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# Type I Data Package

**Prepared for:**

**Stantec**
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 09/22/17

# SDG# ATG99

| GROUP | SAMPLE NUMBERS |
|---|---|
| 1855189 | 9229470-9229489 |

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

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

**Authorized by:** Dana M Kauffman **Date:** **10/23/2017**

Dana M. Kauffman
Manager

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

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## Sample Reference List for SDG Number ATG99
## with a Data Package Type of I

**11289 - Stantec**

Project: Amtrak Wilmington

| Lab Sample Number | Client Sample ID | Collection Date | Date Received |
|---|---|---|---|
| 9229470 | T2-15E | 09/22/2017 10:56 | 09/26/2017 17:15 |
| 9229471 | T2-16W | 09/22/2017 10:57 | 09/26/2017 17:15 |
| 9229472 | T2-16(1.5-1.8) | 09/22/2017 10:58 | 09/26/2017 17:15 |
| 9229473 | T2-16a(1.5-1.8) | 09/22/2017 10:59 | 09/26/2017 17:15 |
| 9229474 | T2-16E | 09/22/2017 11:00 | 09/26/2017 17:15 |
| 9229475 | T2-17W | 09/22/2017 11:01 | 09/26/2017 17:15 |
| 9229476 | T2-17(1.5-1.8) | 09/22/2017 11:02 | 09/26/2017 17:15 |
| 9229477 | T2-17a(1.5-1.8) | 09/22/2017 11:03 | 09/26/2017 17:15 |
| 9229478 | T2-17E | 09/22/2017 11:04 | 09/26/2017 17:15 |
| 9229479 | T2-18W | 09/22/2017 11:05 | 09/26/2017 17:15 |
| 9229480 | T2-33E | 09/22/2017 11:54 | 09/26/2017 17:15 |
| 9229481 | T2-34W | 09/22/2017 11:55 | 09/26/2017 17:15 |
| 9229482 | T2-34(1.5-1.8) | 09/22/2017 11:56 | 09/26/2017 17:15 |
| 9229483 | T2-34E | 09/22/2017 11:57 | 09/26/2017 17:15 |
| 9229484 | T2-35W | 09/22/2017 11:58 | 09/26/2017 17:15 |
| 9229485 | T2-35WMS | 09/22/2017 11:58 | 09/26/2017 17:15 |
| 9229486 | T2-35WMSD | 09/22/2017 11:58 | 09/26/2017 17:15 |
| 9229487 | DUP2-5 | 09/22/2017 11:58 | 09/26/2017 17:15 |
| 9229488 | T2-35(1.5-1.8) | 09/22/2017 11:59 | 09/26/2017 17:15 |
| 9229489 | T2-35E | 09/22/2017 12:00 | 09/26/2017 17:15 |

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**14248 PCB 10g Sonication Ext**

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

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

---

**10225 PCBs in Solids by 8082/3550**

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

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

---

**00111 Moisture**
**00118 Moisture**
**00121 Moisture Duplicate**

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

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

# Analysis Reports / Field Chain of Custody

**ANALYSIS REPORT**

| Prepared by: | Prepared for: |
|---|---|
| Eurofins Lancaster Laboratories Environmental<br>2425 New Holland Pike<br>Lancaster, PA 17601 | Stantec<br>1060 Andrew Drive<br>Suite 140<br>West Chester PA 19380 |

Report Date: October 20, 2017

**Project: Amtrak Wilmington**

Account #: 11289
Group Number: 1855189
SDG: ATG99
PO Number: 213402048
State of Sample Origin: DE

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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**SAMPLE INFORMATION**

| Client Sample Description | Collection Information | ELLE# |
|---|---|---|
| T2-15E Grab Soil | 09/22/2017 10:56 | 9229470 |
| T2-16W Grab Soil | 09/22/2017 10:57 | 9229471 |
| T2-16(1.5-1.8) Grab Soil | 09/22/2017 10:58 | 9229472 |
| T2-16a(1.5-1.8) Grab Soil | 09/22/2017 10:59 | 9229473 |
| T2-16E Grab Soil | 09/22/2017 11:00 | 9229474 |
| T2-17W Grab Soil | 09/22/2017 11:01 | 9229475 |
| T2-17(1.5-1.8) Grab Soil | 09/22/2017 11:02 | 9229476 |
| T2-17a(1.5-1.8) Grab Soil | 09/22/2017 11:03 | 9229477 |
| T2-17E Grab Soil | 09/22/2017 11:04 | 9229478 |
| T2-18W Grab Soil | 09/22/2017 11:05 | 9229479 |
| T2-33E Grab Soil | 09/22/2017 11:54 | 9229480 |
| T2-34W Grab Soil | 09/22/2017 11:55 | 9229481 |
| T2-34(1.5-1.8) Grab Soil | 09/22/2017 11:56 | 9229482 |
| T2-34E Grab Soil | 09/22/2017 11:57 | 9229483 |
| T2-35W Grab Soil | 09/22/2017 11:58 | 9229484 |
| T2-35WMS Grab Soil | 09/22/2017 11:58 | 9229485 |
| T2-35WMSD Grab Soil | 09/22/2017 11:58 | 9229486 |
| DUP2-5 Grab Soil | 09/22/2017 11:58 | 9229487 |
| T2-35(1.5-1.8) Grab Soil | 09/22/2017 11:59 | 9229488 |
| T2-35E Grab Soil | 09/22/2017 12:00 | 9229489 |

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

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# Analysis Report

**Sample Description: T2-15E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229470**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 10:56 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A01 SDG#: ATG99-01

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 11 | D1 | 11 | 200 |
| 10225 | PCB-1221 | 11104-28-2 | < 11 | D1 | 11 | 200 |
| 10225 | PCB-1232 | 11141-16-5 | < 11 | D1 | 11 | 200 |
| 10225 | PCB-1242 | 53469-21-9 | < 11 | D1 | 11 | 200 |
| 10225 | PCB-1248 | 12672-29-6 | < 11 | D1 | 11 | 200 |
| 10225 | PCB-1254 | 11097-69-1 | 74 | D1 | 11 | 200 |
| 10225 | PCB-1260 | 11096-82-5 | < 11 | D1 | 11 | 200 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 5.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 09:42 | Kirby B Turner | 200 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-16W Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229471**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 10:57 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A02 SDG#: ATG99-02

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1221 | 11104-28-2 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1232 | 11141-16-5 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1242 | 53469-21-9 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1248 | 12672-29-6 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1254 | 11097-69-1 | 21 | PD1 | 5.4 | 100 |
| 10225 | PCB-1260 | 11096-82-5 | 13 | D1 | 5.4 | 100 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 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 is on an as-received basis.

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 09:54 | Kirby B Turner | 100 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-16(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229472**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 10:58 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A03 SDG#: ATG99-03

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1221 | 11104-28-2 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1232 | 11141-16-5 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1242 | 53469-21-9 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1248 | 12672-29-6 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1254 | 11097-69-1 | < 27 | D1 | 27 | 500 |
| 10225 | PCB-1260 | 11096-82-5 | < 27 | D1 | 27 | 500 |
| | Reporting limits were raised due to interference from the sample matrix. | | | | | |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 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 is on an as-received basis. | | | | | |

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/19/2017 20:56 | Kirby B Turner | 500 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-16a(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229473**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 10:59 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A04 SDG#: ATG99-04

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 55 | D1 | 55 | 1000 |
| 10225 | PCB-1221 | 11104-28-2 | < 55 | D1 | 55 | 1000 |
| 10225 | PCB-1232 | 11141-16-5 | < 55 | D1 | 55 | 1000 |
| 10225 | PCB-1242 | 53469-21-9 | < 55 | D1 | 55 | 1000 |
| 10225 | PCB-1248 | 12672-29-6 | < 55 | D1 | 55 | 1000 |
| 10225 | PCB-1254 | 11097-69-1 | 150 | D1 | 55 | 1000 |
| 10225 | PCB-1260 | 11096-82-5 | < 55 | D1 | 55 | 1000 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 7.1 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 10:17 | Kirby B Turner | 1000 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-16E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229474**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:00 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A05 SDG#: ATG99-05

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1221 | 11104-28-2 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1232 | 11141-16-5 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1242 | 53469-21-9 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1248 | 12672-29-6 | < 5.4 | D1 | 5.4 | 100 |
| 10225 | PCB-1254 | 11097-69-1 | 27 | D1 | 5.4 | 100 |
| 10225 | PCB-1260 | 11096-82-5 | < 5.4 | D1 | 5.4 | 100 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 4.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 10:28 | Kirby B Turner | 100 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-17W Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229475**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:01 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A06 SDG#: ATG99-06

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.7 | D1 | 2.7 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.7 | D1 | 2.7 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.7 | D1 | 2.7 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.7 | D1 | 2.7 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.7 | D1 | 2.7 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | 24 | D1 | 2.7 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 16 | D2 | 2.7 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 6.8 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 10:40 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-17(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229476**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:02 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A07 SDG#: ATG99-07

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 5.8 | D1 | 5.8 | 100 |
| 10225 | PCB-1221 | 11104-28-2 | < 5.8 | D1 | 5.8 | 100 |
| 10225 | PCB-1232 | 11141-16-5 | < 5.8 | D1 | 5.8 | 100 |
| 10225 | PCB-1242 | 53469-21-9 | < 5.8 | D1 | 5.8 | 100 |
| 10225 | PCB-1248 | 12672-29-6 | < 5.8 | D1 | 5.8 | 100 |
| 10225 | PCB-1254 | 11097-69-1 | 54 | D1 | 5.8 | 100 |
| 10225 | PCB-1260 | 11096-82-5 | < 5.8 | D1 | 5.8 | 100 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 13.0 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 11:03 | Kirby B Turner | 100 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-17a(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229477**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:03 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A08 SDG#: ATG99-08

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 31 | D1 | 31 | 500 |
| 10225 | PCB-1221 | 11104-28-2 | < 31 | D1 | 31 | 500 |
| 10225 | PCB-1232 | 11141-16-5 | < 31 | D1 | 31 | 500 |
| 10225 | PCB-1242 | 53469-21-9 | < 31 | D1 | 31 | 500 |
| 10225 | PCB-1248 | 12672-29-6 | < 31 | D1 | 31 | 500 |
| 10225 | PCB-1254 | 11097-69-1 | 350 | D1 | 31 | 500 |
| 10225 | PCB-1260 | 11096-82-5 | < 31 | D1 | 31 | 500 |
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 17.5 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820027A | 10/12/2017 11:14 | Kirby B Turner | 500 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820027A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005A | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-17E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229478**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:04 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A09 SDG#: ATG99-09

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 10 | D1 | 10 | 200 |
| 10225 | PCB-1221 | 11104-28-2 | < 10 | D1 | 10 | 200 |
| 10225 | PCB-1232 | 11141-16-5 | < 10 | D1 | 10 | 200 |
| 10225 | PCB-1242 | 53469-21-9 | < 10 | D1 | 10 | 200 |
| 10225 | PCB-1248 | 12672-29-6 | < 10 | D1 | 10 | 200 |
| 10225 | PCB-1254 | 11097-69-1 | 40 | ZD1 | 10 | 200 |
| 10225 | PCB-1260 | 11096-82-5 | < 10 | ZD1 | 10 | 200 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 4.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 04:11 | Kirby B Turner | 200 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-18W Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229479**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:05 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A10 SDG#: ATG99-10

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.6 | D1 | 2.6 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.6 | D1 | 2.6 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.6 | D1 | 2.6 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.6 | D1 | 2.6 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.6 | D1 | 2.6 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | 17 | ZD1 | 2.6 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 5.0 | ZD1 | 2.6 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 4.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 04:34 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-33E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229480**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:54 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A11 SDG#: ATG99-11

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | 22 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 12 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 10.2 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 04:45 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-34W Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229481**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:55 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A12 SDG#: ATG99-12

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 13 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 11.0 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 05:08 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-34(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229482**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:56 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A13 SDG#: ATG99-13

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.1 | ZD1 | 1.1 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 4.8 | ZD1 | 1.1 | 20 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 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 is on an as-received basis.

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 05:19 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-34E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229483**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:57 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A14 SDG#: ATG99-14

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1221 | 11104-28-2 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1232 | 11141-16-5 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1242 | 53469-21-9 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1248 | 12672-29-6 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1254 | 11097-69-1 | 36 | ZD1 | 5.6 | 100 |
| 10225 | PCB-1260 | 11096-82-5 | 16 | ZD1 | 5.6 | 100 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 9.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 05:31 | Kirby B Turner | 100 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-35W Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229484**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:58 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A15 SDG#: ATG99-15BKG

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 13 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 9.8 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 05:42 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-35WMS Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229485**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:58 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A15 SDG#: ATG99-15MS

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 13 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00118 | Moisture | n.a. | 9.8 | | 0.50 | 1 |

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 05:54 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00118 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-35WMSD Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229486**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:58 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A15 SDG#: ATG99-15MSD

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 10 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00118 | Moisture | n.a. | 9.8 | | 0.50 | 1 |
| 00121 | Moisture Duplicate | n.a. | 9.5 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 06:05 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00118 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |
| 00121 | Moisture Duplicate | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: DUP2-5 Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229487**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:58 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A16 SDG#: ATG99-16FD

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | D1 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | ZD1 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 11 | ZD1 | 2.8 | 50 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 9.7 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 06:17 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-35(1.5-1.8) Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229488**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 11:59 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A17 SDG#: ATG99-17

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.1 | D1 | 1.1 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.1 | ZD1 | 1.1 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 4.4 | ZD1 | 1.1 | 20 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 12.5 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 06:28 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

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# Analysis Report

**Sample Description: T2-35E Grab Soil**
**Amtrak Wilmington**

**ELLE Sample # SW 9229489**
**ELLE Group # 1855189**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/22/2017 12:00 by JZ

Submitted: 09/26/2017 17:15
Reported: 10/20/2017 15:13

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

99A18 SDG#: ATG99-18

| CAT No. | Analysis Name | CAS Number | Dry Result | | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1221 | 11104-28-2 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1232 | 11141-16-5 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1242 | 53469-21-9 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1248 | 12672-29-6 | < 5.6 | D1 | 5.6 | 100 |
| 10225 | PCB-1254 | 11097-69-1 | < 5.6 | ZD1 | 5.6 | 100 |
| 10225 | PCB-1260 | 11096-82-5 | 31 | ZD1 | 5.6 | 100 |

Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.
This also applies to the DCB surrogate.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2540 G-1997 %Moisture Calc** | | **%** | | **%** | |
| 00111 | Moisture | n.a. | 11.6 | | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 172820028A | 10/12/2017 06:39 | Kirby B Turner | 100 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 172820028A | 10/09/2017 16:30 | Elizabeth E Donovan | 1 |
| 00111 | Moisture | SM 2540 G-1997 %Moisture Calc | 1 | 17276820005B | 10/03/2017 13:33 | Larry E Bevins | 1 |

# Quality Control Summary

Client Name: Stantec
Reported: 10/20/2017 15:13

Group Number: 1855189

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Method Blank

| Analysis Name | Result mg/kg | LOQ mg/kg |
|---|---|---|
| Batch number: 172820027A | Sample number(s): 9229470-9229477 | |
| PCB-1016 | < 0.051 | 0.051 |
| PCB-1221 | < 0.051 | 0.051 |
| PCB-1232 | < 0.051 | 0.051 |
| PCB-1242 | < 0.051 | 0.051 |
| PCB-1248 | < 0.051 | 0.051 |
| PCB-1254 | < 0.051 | 0.051 |
| PCB-1260 | < 0.051 | 0.051 |
| Batch number: 172820028A | Sample number(s): 9229478-9229489 | |
| PCB-1016 | < 0.051 | 0.051 |
| PCB-1221 | < 0.051 | 0.051 |
| PCB-1232 | < 0.051 | 0.051 |
| PCB-1242 | < 0.051 | 0.051 |
| PCB-1248 | < 0.051 | 0.051 |
| PCB-1254 | < 0.051 | 0.051 |
| PCB-1260 | < 0.051 | 0.051 |

## LCS/LCSD

| Analysis Name | LCS Spike Added mg/kg | LCS Conc mg/kg | LCSD Spike Added mg/kg | LCSD Conc mg/kg | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: 172820027A | Sample number(s): 9229470-9229477 | | | | | | | | |
| PCB-1016 | 0.501 | 0.445 | | | 89 | | 80-121 | | |
| PCB-1260 | 0.501 | 0.480 | | | 96 | | 84-125 | | |
| Batch number: 172820028A | Sample number(s): 9229478-9229489 | | | | | | | | |
| PCB-1016 | 0.501 | 0.455 | | | 91 | | 80-121 | | |
| PCB-1260 | 0.501 | 0.468 | | | 93 | | 84-125 | | |
| | % | % | % | % | | | | | |
| Batch number: 17276820005A | Sample number(s): 9229470-9229477 | | | | | | | | |
| Moisture | 89.5 | 89.31 | | | 100 | | 99-101 | | |
| Batch number: 17276820005B | Sample number(s): 9229478-9229489 | | | | | | | | |
| Moisture | 89.5 | 89.31 | | | 100 | | 99-101 | | |
| Moisture | 89.5 | 89.31 | | | 100 | | 99-101 | | |

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

# Quality Control Summary

Client Name: Stantec
Reported: 10/20/2017 15:13

Group Number: 1855189

## LCS/LCSD (continued)

| Analysis Name | LCS Spike Added % | LCS Conc % | LCSD Spike Added % | LCSD Conc % | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Moisture Duplicate | 89.5 | 89.31 | | | 100 | | 99-101 | | |

## MS/MSD

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

| Analysis Name | Unspiked Conc mg/kg | MS Spike Added mg/kg | MS Conc mg/kg | MSD Spike Added mg/kg | MSD Conc mg/kg | MS %Rec | MSD %Rec | MS/MSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|---|---|
| Batch number: 172820027A | Sample number(s): 9229470-9229477 UNSPK: P229465 | | | | | | | | | |
| PCB-1016 | < 1.0 | 0.494 | 0.517 | 0.498 | 0.502 | 105 | 101 | 80-121 | 3 | 50 |
| PCB-1260 | 11.72 | 0.494 | 6.91 | 0.499 | 2.56 | -972 (2) | -1836 (2) | 84-125 | 92* | 50 |
| Batch number: 172820028A | Sample number(s): 9229478-9229489 UNSPK: 9229484 | | | | | | | | | |
| PCB-1016 | < 2.5 | 0.494 | < 2.5 | 0.493 | < 2.5 | 0* | 0* | 80-121 | 0 | 50 |
| PCB-1260 | 11.48 | 0.494 | 11.5 | 0.493 | 9.42 | 4 (2) | -418 (2) | 84-125 | 20 | 50 |

## Laboratory Duplicate

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

| Analysis Name | BKG Conc % | DUP Conc % | DUP RPD | DUP RPD Max |
|---|---|---|---|---|
| Batch number: 17276820005A | Sample number(s): 9229470-9229477 BKG: 9229475 | | | |
| Moisture | 6.84 | 6.37 | 7* | 5 |
| Batch number: 17276820005B | Sample number(s): 9229478-9229489 BKG: 9229484, P229484 | | | |
| Moisture | 9.77 | 9.49 | 3 | 5 |
| Moisture | 9.77 | 9.49 | 3 | 5 |
| Moisture Duplicate | 9.77 | 9.49 | 3 | 5 |

## Surrogate Quality Control

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

# Quality Control Summary

Client Name: Stantec
Reported: 10/20/2017 15:13

Group Number: 1855189

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172820027A

| | Tetrachloro-m-xylene-D1 | Decachlorobiphenyl-D1 | Tetrachloro-m-xylene-D2 | Decachlorobiphenyl-D2 |
|---|---|---|---|---|
| 9229470 | 129 | 140 | 136 | 135 |
| 9229471 | 84 | 91 | 86 | 84 |
| 9229472 | 112 | 113 | 68 | 84 |
| 9229473 | 216* | 161 | 124 | 152 |
| 9229474 | 109 | 113 | 114 | 115 |
| 9229475 | 110 | 124 | 114 | 123 |
| 9229476 | 74 | 97 | 81 | 77 |
| 9229477 | 131 | 134 | 132 | 143 |
| Blank | 102 | 93 | 95 | 93 |
| LCS | 95 | 91 | 92 | 96 |
| MS | 84 | 98 | 76 | 72 |
| MSD | 81 | 86 | 72 | 68 |
| Limits: | 61-152 | 48-164 | 61-152 | 48-164 |

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172820028A

| | Tetrachloro-m-xylene-D1 | Decachlorobiphenyl-D1 | Tetrachloro-m-xylene-D2 | Decachlorobiphenyl-D2 |
|---|---|---|---|---|
| 9229478 | 45* | 71 | 46* | 87 |
| 9229479 | 111 | 135 | 107 | 122 |
| 9229480 | 78 | 109 | 72 | 97 |
| 9229481 | 90 | 115 | 84 | 112 |
| 9229482 | 77 | 101 | 71 | 86 |
| 9229483 | 91 | 136 | 89 | 141 |
| 9229484 | 99 | 140 | 91 | 122 |
| 9229485 | 88 | 130 | 82 | 109 |
| 9229486 | 94 | 127 | 88 | 109 |
| 9229487 | 79 | 113 | 77 | 103 |
| 9229488 | 76 | 103 | 71 | 95 |
| 9229489 | 89 | 136 | 91 | 158 |
| Blank | 101 | 81 | 94 | 82 |
| LCS | 98 | 83 | 94 | 84 |
| MS | 88 | 130 | 82 | 109 |
| MSD | 94 | 127 | 88 | 109 |
| Limits: | 61-152 | 48-164 | 61-152 | 48-164 |

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

# Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1855189 Sample # 9229470-89

**COC #** 528667 12 of 25

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

For Lab Use Only
FSC:
SCR#:

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

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Matrix: Soil ☒ Sediment ☐ Tissue | Matrix: Water Potable ☐ Ground ☐ NPDES ☐ Surface | Matrix: Other: | Total # of Containers | Analysis Requested: PCBs 3550B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| T2-15E | 9-22-17 | 1056 | X | | X | | | 1 | X | |
| T2-16W | | 1057 | X | | X | | | 1 | X | |
| T2-16 (1.5-1.8) | | 1058 | X | | X | | | 1 | X | |
| T2-16a (1.5-1.8) | | 1059 | X | | X | | | 1 | X | |
| T2-16E | | 1100 | X | | X | | | 1 | X | |
| T2-17W | | 1101 | X | | X | | | 1 | X | |
| T2-17 (1.5-1.8) | | 1102 | X | | X | | | 1 | X | |
| T2-17a (1.5-1.8) | | 1103 | X | | X | | | 1 | X | |
| T2-17E | | 1104 | X | | X | | | 1 | X | |
| T2-18W | 9-22-17 | 1105 | X | | X | | | 1 | X | |

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

Date results are needed: _____

E-mail address: _____

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 9-26-17 | 1255 | [signature] | 9-26-17 | 1255 |
| [signature] | 9-26-17 | 1715 | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 9/26/17 | 1715 |

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

EDD Required? Yes No
If yes, format: _____

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

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.1-2.4 °C

# Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1855189 Sample # 9229470-89

**COC # 536861**

19 of 25

**Client Information**

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

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

**Analysis Requested** — Preservation Codes

For Lab Use Only
FSC: ____
SCR#: ____

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

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Soil | Water | Other | Total # of Containers | PCBs 3550B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| T2-33E | 9-22-17 | 1154 | X | | X | | | 1 | X | |
| T2-34W | | 1155 | X | | X | | | 1 | X | |
| T2-34 (1.5-1.8) | | 1156 | X | | X | | | 1 | X | |
| T2-34E | | 1157 | X | | X | | | 1 | X | |
| T2-35W | | 1158 | X | | X | | | 1 | X | |
| T2-35W MS | | 1158 | X | | X | | | 1 | X | |
| T2-35W MSD | | 1158 | X | | X | | | 1 | X | |
| DuP2-5 | | 1158 | X | | X | | | 1 | X | |
| T2-35 (1.5-1.8) | | 1159 | X | | X | | | 1 | X | |
| T2-35E | 9-22-17 | 1200 | X | | X | | | 1 | X | |

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

Date results are needed: ____

E-mail address: ____

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 9-26-17 | 1255 | [signature] | 9-26-17 | 1255 |
| [signature] | 9-26-17 | 1415 | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 9/26/17 | 1715 |

**Data Package Options** (circle if required)

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

EDD Required? Yes No
If yes, format: ____

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

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1-2.4 °C

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# Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855189

Client: Stantec

## Delivery and Receipt Information

| | | | |
|---|---|---|---|
| Delivery Method: | ELLE Courier | Arrival Timestamp: | 09/26/2017 17:15 |
| Number of Packages: | 5 | Number of Projects: | 4 |
| State/Province of Origin: | DE | | |

## Arrival Condition Summary

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

*Unpacked by Simon Nies (25112) at 18:54 on 09/26/2017*

## Samples Chilled Details

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

| Cooler # | Thermometer ID | Corrected Temp | Therm. Type | Ice Type | Ice Present? | Ice Container | Elevated Temp? |
|---|---|---|---|---|---|---|---|
| 1 | DT42-01 | 1.3 | DT | Wet | Y | Bagged | N |
| 2 | DT42-01 | 1.6 | DT | Wet | Y | Bagged | N |
| 3 | DT42-01 | 1.8 | DT | Wet | Y | Bagged | N |
| 4 | DT42-01 | 1.1 | DT | Wet | Y | Bagged | N |
| 5 | DT42-01 | 2.4 | DT | Wet | Y | Bagged | N |



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# Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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

# Data Qualifiers

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

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

# Polychlorinated Biphenyls (PCBs) Data

# Case Narrative/Conformance Summary

# Polychlorinated Biphenyls (PCBs)

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# Case Narrative/Conformance Summary

**CLIENT: Stantec**
**SDG: ATG99**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

| Sample # | Client ID | Matrix Liquid | Matrix Solid | DF | Comments |
|---|---|---|---|---|---|
| 9229470 | T2-15E | | X | 200 | |
| 9229471 | T2-16W | | X | 100 | |
| 9229472 | T2-16(1.5-1.8) | | X | 500 | |
| 9229473 | T2-16a(1.5-1.8) | | X | 1000 | |
| 9229474 | T2-16E | | X | 100 | |
| 9229475 | T2-17W | | X | 50 | |
| 9229476 | T2-17(1.5-1.8) | | X | 100 | |
| 9229477 | T2-17a(1.5-1.8) | | X | 500 | |
| 9229478 | T2-17E | | X | 200 | |
| 9229479 | T2-18W | | X | 50 | |
| 9229480 | T2-33E | | X | 50 | |
| 9229481 | T2-34W | | X | 50 | |
| 9229482 | T2-34(1.5-1.8) | | X | 20 | |
| 9229483 | T2-34E | | X | 100 | |
| 9229484 | T2-35W | | X | 50 | Unspiked |
| 9229485 | T2-35WMS | | X | 50 | Matrix Spike |
| 9229486 | T2-35WMSD | | X | 50 | Matrix Spike Duplicate |
| 9229487 | DUP2-5 | | X | 50 | Field Duplicate Sample |
| 9229488 | T2-35(1.5-1.8) | | X | 20 | |
| 9229489 | T2-35E | | 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: ATG99**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

## CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229470-9229489: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

(Sample number(s): 9229478-9229489: Analysis: 10225)
Z= The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported. This also applies to the DCB surrogate.

## QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

### MS/MSD

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

Batch#: 172820028A (Sample number(s): 9229478-9229489, UNSPK: 9229484)
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1016, PCB-1260

### Surrogate

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

Batch#: 172820028A (Sample number(s): 9229478-9229489, UNSPK: 9229484)
The recovery(ies) for the following surrogate(s) were below the acceptance window:
Tetrachloro-m-xylene-D1 (9229478), Tetrachloro-m-xylene-D2 (9229478)

Batch#: 172820027A (Sample number(s): 9229470-9229477)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window:
Tetrachloro-m-xylene-D1 (9229473)

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# Case Narrative/Conformance Summary

**CLIENT: Stantec**
**SDG: ATG99**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

### SAMPLE ANALYSIS:

(Sample number(s): 9229472: Analysis: 10225)
Reporting limits were raised due to interference from the sample matrix.

No problems were encountered with the analysis of the samples.

**Abbreviation Key**

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

# Quality Control and Calibration Summary Forms

# Polychlorinated Biphenyls (PCBs)

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# Quality Control Reference List
## Pesticide Residue Analysis

**CLIENT: Stantec**
**SDG: ATG99**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| Analysis | Batch Number | Sample Number | Analysis Date |
|---|---|---|---|
| PCBs in Solids by 8082/3550 | 172820027A | PBLK27282 | 10/12/2017 07:25:00 |
| | | LCS27282 | 10/12/2017 08:00:00 |
| | | 9229470 | 10/12/2017 09:42:00 |
| | | 9229471 | 10/12/2017 09:54:00 |
| | | 9229472 | 10/19/2017 20:56:00 |
| | | 9229473 | 10/12/2017 10:17:00 |
| | | 9229474 | 10/12/2017 10:28:00 |
| | | 9229475 | 10/12/2017 10:40:00 |
| | | 9229476 | 10/12/2017 11:03:00 |
| | | 9229477 | 10/12/2017 11:14:00 |
| PCBs in Solids by 8082/3550 | 172820028A | PBLK28282 | 10/12/2017 03:48:00 |
| | | LCS28282 | 10/12/2017 04:00:00 |
| | | 9229478 | 10/12/2017 04:11:00 |
| | | 9229479 | 10/12/2017 04:34:00 |
| | | 9229480 | 10/12/2017 04:45:00 |
| | | 9229481 | 10/12/2017 05:08:00 |
| | | 9229482 | 10/12/2017 05:19:00 |
| | | 9229483 | 10/12/2017 05:31:00 |
| | | 9229484 UNSPK | 10/12/2017 05:42:00 |
| | | 9229485 MS | 10/12/2017 05:54:00 |
| | | 9229486 MSD | 10/12/2017 06:05:00 |
| | | 9229487 | 10/12/2017 06:17:00 |
| | | 9229488 | 10/12/2017 06:28:00 |
| | | 9229489 | 10/12/2017 06:39:00 |

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**Quality Control Summary**
**Method Blank**
**Pesticide Residue Analysis**
**SDG: ATG99**
**Matrix: SOLID**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| **172820027A / PBLK27282**<br>**Analyte** | **Analysis Date** | **Blank Results** | **Units** | **MDL** | **LOQ** |
|---|---|---|---|---|---|
| PCB-1016 | 10/12/17 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1221 | 10/12/17 | N.D. | mg/kg | 0.015 | 0.051 |
| PCB-1232 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1242 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1248 | 10/12/17 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1254 | 10/12/17 | N.D. | mg/kg | 0.013 | 0.051 |
| PCB-1260 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |

| **172820028A / PBLK28282**<br>**Analyte** | **Analysis Date** | **Blank Results** | **Units** | **MDL** | **LOQ** |
|---|---|---|---|---|---|
| PCB-1016 | 10/12/17 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1221 | 10/12/17 | N.D. | mg/kg | 0.015 | 0.051 |
| PCB-1232 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1242 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1248 | 10/12/17 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1254 | 10/12/17 | N.D. | mg/kg | 0.013 | 0.051 |
| PCB-1260 | 10/12/17 | N.D. | mg/kg | 0.012 | 0.051 |

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**Quality Control Summary**
**Surrogates**
**Pesticide Residue Analysis**
**SDG: ATG99**
**Matrix: SOLID**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| 172820027A | Decachlorobiphenyl-D1 | | Decachlorobiphenyl-D2 | | Tetrachloro-m-xylene-D1 | | Tetrachloro-m-xylene-D2 | |
|---|---|---|---|---|---|---|---|---|
| | Spike Added | 27.1 ug/kg | Spike Added | 27.1 ug/kg | Spike Added | 30.6 ug/kg | Spike Added | 30.6 ug/kg |
| Sample | % Recovery | Limits | % Recovery | Limits | % Recovery | Limits | % Recovery | Limits |
| PBLK27282 | 93 | 48 - 164 | 93 | 48 - 164 | 102 | 61 - 152 | 95 | 61 - 152 |
| LCS27282 | 91 | 48 - 164 | 96 | 48 - 164 | 95 | 61 - 152 | 92 | 61 - 152 |
| 9229470 | 140 | 48 - 164 | 135 | 48 - 164 | 129 | 61 - 152 | 136 | 61 - 152 |
| 9229471 | 91 | 48 - 164 | 84 | 48 - 164 | 84 | 61 - 152 | 86 | 61 - 152 |
| 9229472 | 113 | 48 - 164 | 84 | 48 - 164 | 112 | 61 - 152 | 68 | 61 - 152 |
| 9229473 | 161 | 48 - 164 | 152 | 48 - 164 | 216 * | 61 - 152 | 124 | 61 - 152 |
| 9229474 | 113 | 48 - 164 | 115 | 48 - 164 | 109 | 61 - 152 | 114 | 61 - 152 |
| 9229475 | 124 | 48 - 164 | 123 | 48 - 164 | 110 | 61 - 152 | 114 | 61 - 152 |
| 9229476 | 97 | 48 - 164 | 77 | 48 - 164 | 74 | 61 - 152 | 81 | 61 - 152 |
| 9229477 | 134 | 48 - 164 | 143 | 48 - 164 | 131 | 61 - 152 | 132 | 61 - 152 |

| 172820028A | Decachlorobiphenyl-D1 | | Decachlorobiphenyl-D2 | | Tetrachloro-m-xylene-D1 | | Tetrachloro-m-xylene-D2 | |
|---|---|---|---|---|---|---|---|---|
| | Spike Added | 27.1 ug/kg | Spike Added | 27.1 ug/kg | Spike Added | 30.6 ug/kg | Spike Added | 30.6 ug/kg |
| Sample | % Recovery | Limits | % Recovery | Limits | % Recovery | Limits | % Recovery | Limits |
| PBLK28282 | 81 | 48 - 164 | 82 | 48 - 164 | 101 | 61 - 152 | 94 | 61 - 152 |
| LCS28282 | 83 | 48 - 164 | 84 | 48 - 164 | 98 | 61 - 152 | 94 | 61 - 152 |
| 9229478 | 71 | 48 - 164 | 87 | 48 - 164 | 45 * | 61 - 152 | 46 * | 61 - 152 |
| 9229479 | 135 | 48 - 164 | 122 | 48 - 164 | 111 | 61 - 152 | 107 | 61 - 152 |
| 9229480 | 109 | 48 - 164 | 97 | 48 - 164 | 78 | 61 - 152 | 72 | 61 - 152 |
| 9229481 | 115 | 48 - 164 | 112 | 48 - 164 | 90 | 61 - 152 | 84 | 61 - 152 |
| 9229482 | 101 | 48 - 164 | 86 | 48 - 164 | 77 | 61 - 152 | 71 | 61 - 152 |
| 9229483 | 136 | 48 - 164 | 141 | 48 - 164 | 91 | 61 - 152 | 89 | 61 - 152 |
| 9229484 UNSPK | 140 | 48 - 164 | 122 | 48 - 164 | 99 | 61 - 152 | 91 | 61 - 152 |
| 9229485 MS | 130 | 48 - 164 | 109 | 48 - 164 | 88 | 61 - 152 | 82 | 61 - 152 |
| 9229486 MSD | 127 | 48 - 164 | 109 | 48 - 164 | 94 | 61 - 152 | 88 | 61 - 152 |
| 9229487 | 113 | 48 - 164 | 103 | 48 - 164 | 79 | 61 - 152 | 77 | 61 - 152 |
| 9229488 | 103 | 48 - 164 | 95 | 48 - 164 | 76 | 61 - 152 | 71 | 61 - 152 |
| 9229489 | 136 | 48 - 164 | 158 | 48 - 164 | 89 | 61 - 152 | 91 | 61 - 152 |

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

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**Quality Control Summary**
**Matrix Spike/Matrix Spike Duplicate**

**SDG: ATG99**
**Matrix: SOLID**

## Pesticide Residue Analysis
**Fraction: Polychlorinated Biphenyls (PCBs)**

| UNSPK: 9229484<br>MS: 9229485<br>MSD: 9229486<br>**Analyte** | Batch: **172820028A** (Sample number(s): 9229478-9229489 ) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Spike Added mg/kg MS/MSD** | **Unspiked Conc mg/kg** | **MS Conc mg/kg** | **MSD Conc mg/kg** | **MS %Rec** | **MSD %Rec** | **%Rec Limits** | **%RPD** | **%RPD Limits** |
| PCB-1016 | 0.494 / 0.493 | 0 | 0 | 0 | 0 * | 0 * | 80-121 | 0 | 50 |
| PCB-1260 | 0.494 / 0.493 | 11.48 | 11.5 | 9.42 | 4 (2) | -418 (2) | 84-125 | 20 | 50 |

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

Results are being reported on an as received basis.

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

**SDG: ATG99**
**Matrix: SOLID**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

| LCS: LCS27282 | Batch: **172820027A** (Sample number(s): 9229470-9229477 ) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Spike Added mg/kg** | **LCS Conc mg/kg** | **LCSD Conc mg/kg** | **LCS %Rec** | **LCSD %Rec** | **%Rec Limits** | **%RPD** | **%RPD Limits** |
| PCB-1016 | 0.501 | 0.445 | NA | 89 | NA | 80-121 | NA | NA |
| PCB-1260 | 0.501 | 0.480 | NA | 96 | NA | 84-125 | NA | NA |

| LCS: LCS28282 | Batch: **172820028A** (Sample number(s): 9229478-9229489 ) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Spike Added mg/kg** | **LCS Conc mg/kg** | **LCSD Conc mg/kg** | **LCS %Rec** | **LCSD %Rec** | **%Rec Limits** | **%RPD** | **%RPD Limits** |
| PCB-1016 | 0.501 | 0.455 | NA | 91 | NA | 80-121 | NA | NA |
| PCB-1260 | 0.501 | 0.468 | NA | 93 | NA | 84-125 | NA | NA |

# 6D

## INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | RT OF STANDARDS | | | | | | MIDPOINT | RT WINDOW | |
|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | RT | FROM | TO |
| Tetrachloro-m-xylene | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.91 | 2.97 |
| Decachlorobiphenyl | 6.60 | 6.60 | 6.60 | 6.60 | 6.61 | 6.60 | 6.60 | 6.57 | 6.63 |

# 6E

## INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 19843A  Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | CALIBRATION FACTORS | | | | | | | %RSD |
|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | MEAN | |
| Tetrachloro-m-xylene | 2.87E+05 | 2.69E+05 | 2.72E+05 | 2.69E+05 | 2.68E+05 | 2.80E+05 | 2.74E+05 | 3 |
| Decachlorobiphenyl | 2.22E+05 | 2.05E+05 | 1.88E+05 | 1.96E+05 | 1.99E+05 | 2.00E+05 | 2.02E+05 | 6 |

Average % RSD: 5

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 3.19 | 3.17 | 3.21 | 5749 | 4809 | 1 | 25.25 | 145174 | 11.74 |
| | 1 | | | | 5133 | | 2 | 50.5 | 259217 | |
| | 1 | | | | 4840 | | 3 | 101 | 488843 | |
| | 1 | | | | 4544 | | 4 | 202 | 917894 | |
| | 1 | | | | 4276 | | 5 | 505 | 2159376 | |
| | 1 | | | | 4311 | | 6 | 1010 | 4353892 | |
| | 2 | 3.40 | 3.38 | 3.42 | 6000 | 5041 | 1 | 25.25 | 151488 | 12.89 |
| | 2 | | | | 5531 | | 2 | 50.5 | 279295 | |
| | 2 | | | | 5207 | | 3 | 101 | 525911 | |
| | 2 | | | | 4662 | | 4 | 202 | 941819 | |
| | 2 | | | | 4528 | | 5 | 505 | 2286460 | |
| | 2 | | | | 4320 | | 6 | 1010 | 4363358 | |
| | 3 | 3.52 | 3.50 | 3.54 | 7107 | 6055 | 1 | 25.25 | 179441 | 10.85 |
| | 3 | | | | 6482 | | 2 | 50.5 | 327325 | |
| | 3 | | | | 6167 | | 3 | 101 | 622824 | |
| | 3 | | | | 5588 | | 4 | 202 | 1128810 | |
| | 3 | | | | 5562 | | 5 | 505 | 2808996 | |
| | 3 | | | | 5426 | | 6 | 1010 | 5480230 | |
| | 4 | 3.73 | 3.71 | 3.75 | 8583 | 7358 | 1 | 25.25 | 216713 | 9.71 |
| | 4 | | | | 7812 | | 2 | 50.5 | 394499 | |
| | 4 | | | | 7162 | | 3 | 101 | 723394 | |
| | 4 | | | | 6968 | | 4 | 202 | 1407519 | |
| | 4 | | | | 6643 | | 5 | 505 | 3354816 | |
| | 4 | | | | 6980 | | 6 | 1010 | 7049666 | |
| | 5 | 3.79 | 3.77 | 3.81 | 7364 | 6477 | 1 | 25.25 | 185952 | 8.91 |
| | 5 | | | | 7023 | | 2 | 50.5 | 354647 | |
| | 5 | | | | 6299 | | 3 | 101 | 636200 | |
| | 5 | | | | 6074 | | 4 | 202 | 1226921 | |
| | 5 | | | | 5940 | | 5 | 505 | 2999850 | |
| | 5 | | | | 6163 | | 6 | 1010 | 6224808 | |
| | 6 | 3.98 | 3.96 | 4.00 | 5951 | 4940 | 1 | 25.25 | 150267 | 12.94 |
| | 6 | | | | 5322 | | 2 | 50.5 | 268768 | |
| | 6 | | | | 5100 | | 3 | 101 | 515095 | |
| | 6 | | | | 4445 | | 4 | 202 | 897945 | |
| | 6 | | | | 4261 | | 5 | 505 | 2151702 | |
| | 6 | | | | 4560 | | 6 | 1010 | 4605628 | |
| Aroclor-1221 | 1 | 3.09 | 3.07 | 3.11 | 2478 | 2478 | 1 | 200.1 | 495885 | .00 |
| | 2 | 3.14 | 3.12 | 3.16 | 2173 | 2173 | 1 | 200.1 | 434721 | .00 |
| | 3 | 3.19 | 3.17 | 3.21 | 6725 | 6725 | 1 | 200.1 | 1345711 | .00 |

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1232 | 1 | 3.19 | 3.17 | 3.21 | 5589 | 5589 | 1 | 200.6 | 1121102 | .00 |
| | 2 | 3.40 | 3.38 | 3.42 | 2270 | 2270 | 1 | 200.6 | 455398 | .00 |
| | 3 | 3.52 | 3.50 | 3.54 | 2757 | 2757 | 1 | 200.6 | 553049 | .00 |
| | 4 | 3.73 | 3.71 | 3.75 | 3338 | 3338 | 1 | 200.6 | 669615 | .00 |
| | 5 | 3.79 | 3.77 | 3.81 | 2729 | 2729 | 1 | 200.6 | 547486 | .00 |
| | 6 | 3.98 | 3.96 | 4.00 | 1872 | 1872 | 1 | 200.6 | 375507 | .00 |
| Aroclor-1242 | 1 | 3.19 | 3.17 | 3.21 | 6693 | 6693 | 1 | 200 | 1338658 | .00 |
| | 2 | 3.40 | 3.38 | 3.42 | 6771 | 6771 | 1 | 200 | 1354105 | .00 |
| | 3 | 3.52 | 3.50 | 3.54 | 8065 | 8065 | 1 | 200 | 1612994 | .00 |
| | 4 | 3.73 | 3.71 | 3.75 | 10100 | 10100 | 1 | 200 | 2019927 | .00 |
| | 5 | 3.79 | 3.77 | 3.81 | 8665 | 8665 | 1 | 200 | 1732960 | .00 |
| | 6 | 3.98 | 3.96 | 4.00 | 6598 | 6598 | 1 | 200 | 1319686 | .00 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 3.73 | 3.71 | 3.75 | 3955 | 3280 | 1 | 25.08 | 99200 | 12.77 |
| | 1 | | | | 3450 | | 2 | 50.16 | 173030 | |
| | 1 | | | | 3362 | | 3 | 100.32 | 337262 | |
| | 1 | | | | 3214 | | 4 | 200.64 | 644882 | |
| | 1 | | | | 2917 | | 5 | 501.6 | 1462920 | |
| | 1 | | | | 2780 | | 6 | 1003.2 | 2789385 | |
| | 2 | 3.79 | 3.77 | 3.81 | 4291 | 3588 | 1 | 25.08 | 107616 | 11.75 |
| | 2 | | | | 3785 | | 2 | 50.16 | 189880 | |
| | 2 | | | | 3509 | | 3 | 100.32 | 352060 | |
| | 2 | | | | 3604 | | 4 | 200.64 | 723141 | |
| | 2 | | | | 3152 | | 5 | 501.6 | 1581064 | |
| | 2 | | | | 3189 | | 6 | 1003.2 | 3198760 | |
| | 3 | 3.86 | 3.84 | 3.88 | 7294 | 6143 | 1 | 25.08 | 182921 | 11.23 |
| | 3 | | | | 6446 | | 2 | 50.16 | 323330 | |
| | 3 | | | | 6130 | | 3 | 100.32 | 614994 | |
| | 3 | | | | 6078 | | 4 | 200.64 | 1219529 | |
| | 3 | | | | 5544 | | 5 | 501.6 | 2781102 | |
| | 3 | | | | 5367 | | 6 | 1003.2 | 5384091 | |
| | 4 | 3.98 | 3.96 | 4.00 | 8359 | 6892 | 1 | 25.08 | 209652 | 11.64 |
| | 4 | | | | 7057 | | 2 | 50.16 | 353994 | |
| | 4 | | | | 6797 | | 3 | 100.32 | 681921 | |
| | 4 | | | | 6776 | | 4 | 200.64 | 1359448 | |
| | 4 | | | | 6159 | | 5 | 501.6 | 3089287 | |
| | 4 | | | | 6201 | | 6 | 1003.2 | 6220448 | |
| | 5 | 4.07 | 4.05 | 4.09 | 7172 | 6238 | 1 | 25.08 | 179884 | 8.20 |
| | 5 | | | | 6427 | | 2 | 50.16 | 322357 | |
| | 5 | | | | 6132 | | 3 | 100.32 | 615122 | |
| | 5 | | | | 6073 | | 4 | 200.64 | 1218522 | |
| | 5 | | | | 5818 | | 5 | 501.6 | 2918528 | |
| | 5 | | | | 5808 | | 6 | 1003.2 | 5826088 | |
| | 6 | 4.25 | 4.23 | 4.27 | 8106 | 6933 | 1 | 25.08 | 203311 | 8.86 |
| | 6 | | | | 7100 | | 2 | 50.16 | 356158 | |
| | 6 | | | | 6636 | | 3 | 100.32 | 665679 | |
| | 6 | | | | 6723 | | 4 | 200.64 | 1348882 | |
| | 6 | | | | 6477 | | 5 | 501.6 | 3248912 | |
| | 6 | | | | 6557 | | 6 | 1003.2 | 6577990 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.23 | 4.21 | 4.25 | 9463 | 7767 | 1 | 25.12 | 237698 | 13.83 |
| | 1 | | | | 8590 | | 2 | 50.24 | 431573 | |
| | 1 | | | | 7688 | | 3 | 100.48 | 772473 | |
| | 1 | | | | 7348 | | 4 | 251.2 | 1845738 | |
| | 1 | | | | 6740 | | 5 | 502.4 | 3386326 | |
| | 1 | | | | 6775 | | 6 | 1004.8 | 6807404 | |
| | 2 | 4.34 | 4.32 | 4.36 | 3168 | 2593 | 1 | 25.12 | 79592 | 17.18 |
| | 2 | | | | 2987 | | 2 | 50.24 | 150078 | |
| | 2 | | | | 2682 | | 3 | 100.48 | 269474 | |
| | 2 | | | | 2518 | | 4 | 251.2 | 632446 | |
| | 2 | | | | 2155 | | 5 | 502.4 | 1082748 | |
| | 2 | | | | 2045 | | 6 | 1004.8 | 2055100 | |
| | 3 | 4.57 | 4.55 | 4.59 | 10128 | 8589 | 1 | 25.12 | 254425 | 11.28 |
| | 3 | | | | 9154 | | 2 | 50.24 | 459900 | |
| | 3 | | | | 8713 | | 3 | 100.48 | 875504 | |
| | 3 | | | | 8316 | | 4 | 251.2 | 2089072 | |
| | 3 | | | | 7595 | | 5 | 502.4 | 3815800 | |
| | 3 | | | | 7626 | | 6 | 1004.8 | 7663059 | |
| | 4 | 4.63 | 4.61 | 4.65 | 19151 | 17122 | 1 | 25.12 | 481067 | 7.12 |
| | 4 | | | | 17917 | | 2 | 50.24 | 900126 | |
| | 4 | | | | 16318 | | 3 | 100.48 | 1639661 | |
| | 4 | | | | 17103 | | 4 | 251.2 | 4296194 | |
| | 4 | | | | 15977 | | 5 | 502.4 | 8026612 | |
| | 4 | | | | 16270 | | 6 | 1004.8 | 16347640 | |
| | 5 | 5.04 | 5.02 | 5.06 | 6567 | 5981 | 1 | 25.12 | 164967 | 5.74 |
| | 5 | | | | 6188 | | 2 | 50.24 | 310877 | |
| | 5 | | | | 5641 | | 3 | 100.48 | 566758 | |
| | 5 | | | | 5911 | | 4 | 251.2 | 1484775 | |
| | 5 | | | | 5862 | | 5 | 502.4 | 2945283 | |
| | 5 | | | | 5720 | | 6 | 1004.8 | 5747644 | |
| | 6 | 5.16 | 5.14 | 5.18 | 10675 | 9598 | 1 | 25.12 | 268166 | 7.24 |
| | 6 | | | | 10263 | | 2 | 50.24 | 515627 | |
| | 6 | | | | 9355 | | 3 | 100.48 | 939989 | |
| | 6 | | | | 9114 | | 4 | 251.2 | 2289337 | |
| | 6 | | | | 9031 | | 5 | 502.4 | 4536998 | |
| | 6 | | | | 9152 | | 6 | 1004.8 | 9196005 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.76 | 4.74 | 4.78 | 13453 | 11593 | 1 | 25.21 | 339152 | 9.20 |
| | 1 | | | | 11862 | | 2 | 50.41 | 597940 | |
| | 1 | | | | 11717 | | 3 | 100.82 | 1181295 | |
| | 1 | | | | 10732 | | 4 | 201.64 | 2163916 | |
| | 1 | | | | 10431 | | 5 | 504.1 | 5258045 | |
| | 1 | | | | 11363 | | 6 | 1008.2 | 11456500 | |
| | 2 | 4.96 | 4.94 | 4.98 | 13543 | 11721 | 1 | 25.21 | 341426 | 10.59 |
| | 2 | | | | 12516 | | 2 | 50.41 | 630956 | |
| | 2 | | | | 11448 | | 3 | 100.82 | 1154172 | |
| | 2 | | | | 10410 | | 4 | 201.64 | 2099161 | |
| | 2 | | | | 10362 | | 5 | 504.1 | 5223461 | |
| | 2 | | | | 12049 | | 6 | 1008.2 | 12147320 | |
| | 3 | 5.16 | 5.14 | 5.18 | 15177 | 14251 | 1 | 25.21 | 382604 | 5.96 |
| | 3 | | | | 14004 | | 2 | 50.41 | 705957 | |
| | 3 | | | | 13422 | | 3 | 100.82 | 1353196 | |
| | 3 | | | | 13519 | | 4 | 201.64 | 2726046 | |
| | 3 | | | | 13961 | | 5 | 504.1 | 7037652 | |
| | 3 | | | | 15425 | | 6 | 1008.2 | 15551560 | |
| | 4 | 5.39 | 5.37 | 5.41 | 8799 | 7885 | 1 | 25.21 | 221812 | 7.53 |
| | 4 | | | | 8270 | | 2 | 50.41 | 416908 | |
| | 4 | | | | 8042 | | 3 | 100.82 | 810825 | |
| | 4 | | | | 7487 | | 4 | 201.64 | 1509693 | |
| | 4 | | | | 7221 | | 5 | 504.1 | 3639979 | |
| | 4 | | | | 7493 | | 6 | 1008.2 | 7554198 | |
| | 5 | 5.63 | 5.61 | 5.65 | 26170 | 24563 | 1 | 25.21 | 659747 | 6.97 |
| | 5 | | | | 25281 | | 2 | 50.41 | 1274394 | |
| | 5 | | | | 23123 | | 3 | 100.82 | 2331270 | |
| | 5 | | | | 22506 | | 4 | 201.64 | 4538190 | |
| | 5 | | | | 23638 | | 5 | 504.1 | 11916030 | |
| | 5 | | | | 26662 | | 6 | 1008.2 | 26880760 | |
| | 6 | 5.83 | 5.81 | 5.85 | 18857 | 16676 | 1 | 25.21 | 475388 | 7.78 |
| | 6 | | | | 17272 | | 2 | 50.41 | 870702 | |
| | 6 | | | | 16136 | | 3 | 100.82 | 1626788 | |
| | 6 | | | | 15561 | | 4 | 201.64 | 3137778 | |
| | 6 | | | | 15361 | | 5 | 504.1 | 7743584 | |
| | 6 | | | | 16871 | | 6 | 1008.2 | 17009030 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | 1 | 5.23 | 5.21 | 5.25 | 15011 | 15011 | 1 | 200.8 | 3014306 | .00 |
| | 2 | 5.39 | 5.37 | 5.41 | 10716 | 10716 | 1 | 200.8 | 2151775 | .00 |
| | 3 | 5.63 | 5.61 | 5.65 | 28518 | 28518 | 1 | 200.8 | 5726488 | .00 |
| | 4 | 5.83 | 5.81 | 5.85 | 22136 | 22136 | 1 | 200.8 | 4444809 | .00 |
| | 5 | 5.89 | 5.87 | 5.91 | 11152 | 11152 | 1 | 200.8 | 2239286 | .00 |
| | 6 | 6.26 | 6.24 | 6.28 | 11134 | 11134 | 1 | 200.8 | 2235731 | .00 |
| Aroclor-1268 | 1 | 5.83 | 5.81 | 5.85 | 42863 | 42863 | 1 | 201 | 8615493 | .00 |
| | 2 | 5.89 | 5.87 | 5.91 | 37773 | 37773 | 1 | 201 | 7592281 | .00 |
| | 3 | 6.02 | 6.00 | 6.04 | 33419 | 33419 | 1 | 201 | 6717220 | .00 |
| | 4 | 6.08 | 6.06 | 6.10 | 8344 | 8344 | 1 | 201 | 1677155 | .00 |
| | 5 | 6.25 | 6.23 | 6.27 | 12179 | 12179 | 1 | 201 | 2448046 | .00 |
| | 6 | 6.45 | 6.43 | 6.47 | 86860 | 86860 | 1 | 201 | 17458820 | .00 |

File Name: V:\CP7\07PCBS1728401.CAL
Version: 10

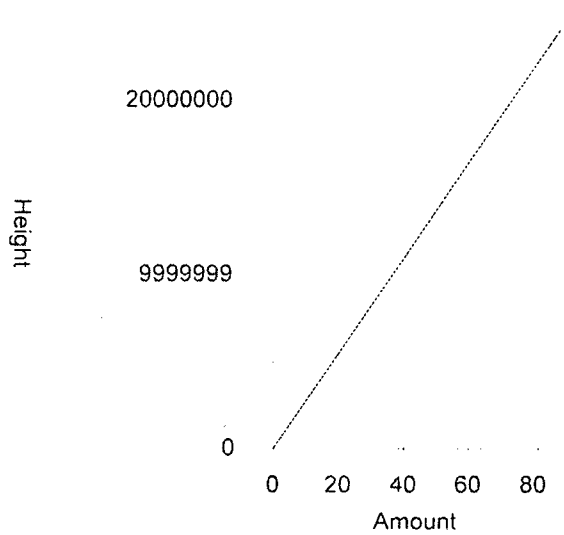
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX




Expected retention time: 2.937 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

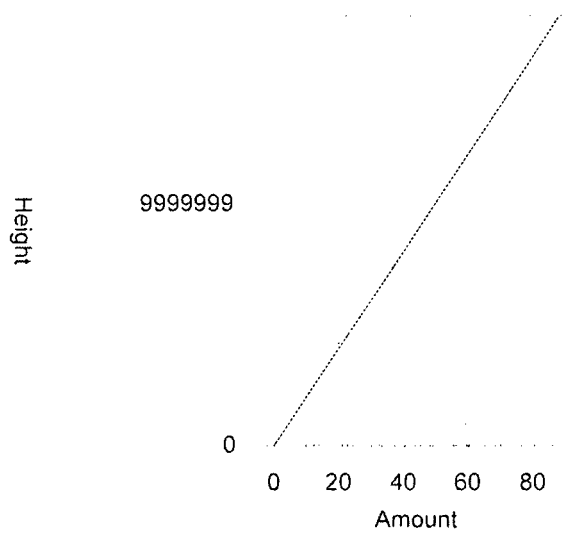
Single peak quantification by height

Y = 274120.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.999029
Average error: 2.224%
Average CF: 274120.5
RSD: 2.752%

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2 | 573763.6 | 286881.8 | 4.655 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0007.I |
| 2 | 4 | 1077407 | 269351.8 | -1.740 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0008.I |
| 3 | 20 | 5436629 | 271831.4 | -0.835 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0009.I |
| 4 | 40 | 1.074707E+07 | 268676.8 | -1.986 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0010.I |
| 5 | 60.8 | 1.631475E+07 | 268334.7 | -2.111 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0011.I |
| 6 | 80 | 2.237172E+07 | 279646.5 | 2.016 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0012.I |

2 DCB




| | |
|---|---|
| Expected retention time: | 6.603 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 = 201784.4 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9991452 |
| Average error: | 3.890% |
| Average CF: | 201784.4 |
| RSD: | 5.644% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2.01 | 446378.4 | 222078.8 | 10.057 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |
| 2 | 4.02 | 824243.2 | 205035.6 | 1.611 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |
| 3 | 20.12 | 3787977 | 188269.2 | -6.698 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |
| 4 | 40.24 | 7885810 | 195969.4 | -2.882 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |
| 5 | 61.16 | 1.217362E+07 | 199045.5 | -1.357 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |
| 6 | 80.48 | 1.612076E+07 | 200307.6 | -0.732 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0( |

# 6D
# INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | RT OF STANDARDS | | | | | | MIDPOINT | RT WINDOW | |
|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | RT | FROM | TO |
| Tetrachloro-m-xylene | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.56 | 2.62 |
| Decachlorobiphenyl | 6.08 | 6.08 | 6.08 | 6.08 | 6.09 | 6.08 | 6.08 | 6.05 | 6.11 |

# 6E

## INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | CALIBRATION FACTORS | | | | | | | %RSD |
|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | MEAN | |
| Tetrachloro-m-xylene | 4.16E+05 | 3.92E+05 | 4.24E+05 | 4.16E+05 | 4.12E+05 | 4.27E+05 | 4.15E+05 | 3 |
| Decachlorobiphenyl | 4.30E+05 | 3.88E+05 | 3.60E+05 | 3.63E+05 | 3.66E+05 | 3.64E+05 | 3.79E+05 | 7 |

Average % RSD: 5

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 2.88 | 2.86 | 2.90 | 8308 | 7000 | 1 | 25.25 | 209776 | 12.96 |
| | 1 | | | | 7610 | | 2 | 50.5 | 384286 | |
| | 1 | | | | 7332 | | 3 | 101 | 740565 | |
| | 1 | | | | 6638 | | 4 | 202 | 1340818 | |
| | 1 | | | | 6145 | | 5 | 505 | 3103431 | |
| | 1 | | | | 5969 | | 6 | 1010 | 6028575 | |
| | 2 | 3.21 | 3.19 | 3.23 | 10478 | 8782 | 1 | 25.25 | 264560 | 12.05 |
| | 2 | | | | 9420 | | 2 | 50.5 | 475711 | |
| | 2 | | | | 8998 | | 3 | 101 | 908793 | |
| | 2 | | | | 8060 | | 4 | 202 | 1628211 | |
| | 2 | | | | 8062 | | 5 | 505 | 4071064 | |
| | 2 | | | | 7673 | | 6 | 1010 | 7749760 | |
| | 3 | 3.40 | 3.38 | 3.42 | 10332 | 9038 | 1 | 25.25 | 260886 | 8.32 |
| | 3 | | | | 9363 | | 2 | 50.5 | 472827 | |
| | 3 | | | | 9152 | | 3 | 101 | 924386 | |
| | 3 | | | | 8346 | | 4 | 202 | 1685870 | |
| | 3 | | | | 8443 | | 5 | 505 | 4263534 | |
| | 3 | | | | 8589 | | 6 | 1010 | 8675015 | |
| | 4 | 3.47 | 3.45 | 3.49 | 10700 | 9586 | 1 | 25.25 | 270172 | 6.60 |
| | 4 | | | | 9621 | | 2 | 50.5 | 485871 | |
| | 4 | | | | 9797 | | 3 | 101 | 989465 | |
| | 4 | | | | 9050 | | 4 | 202 | 1828152 | |
| | 4 | | | | 8963 | | 5 | 505 | 4526304 | |
| | 4 | | | | 9385 | | 6 | 1010 | 9478493 | |
| | 5 | 3.53 | 3.51 | 3.55 | 8536 | 7225 | 1 | 25.25 | 215530 | 11.03 |
| | 5 | | | | 7586 | | 2 | 50.5 | 383072 | |
| | 5 | | | | 7396 | | 3 | 101 | 746977 | |
| | 5 | | | | 6898 | | 4 | 202 | 1393486 | |
| | 5 | | | | 6315 | | 5 | 505 | 3189301 | |
| | 5 | | | | 6621 | | 6 | 1010 | 6687272 | |
| | 6 | 3.63 | 3.61 | 3.65 | 9618 | 8190 | 1 | 25.25 | 242856 | 10.44 |
| | 6 | | | | 8375 | | 2 | 50.5 | 422943 | |
| | 6 | | | | 8518 | | 3 | 101 | 860334 | |
| | 6 | | | | 7674 | | 4 | 202 | 1550078 | |
| | 6 | | | | 7169 | | 5 | 505 | 3620226 | |
| | 6 | | | | 7784 | | 6 | 1010 | 7861880 | |
| Aroclor-1221 | 1 | 2.76 | 2.74 | 2.78 | 4193 | 4193 | 1 | 200.1 | 838994 | .00 |
| | 2 | 2.82 | 2.80 | 2.84 | 2609 | 2609 | 1 | 200.1 | 522058 | .00 |
| | 3 | 2.88 | 2.86 | 2.90 | 10083 | 10083 | 1 | 200.1 | 2017705 | .00 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1232 | 1 | 2.88 | 2.86 | 2.90 | 8097 | 8097 | 1 | 200.6 | 1624329 | .00 |
| | 2 | 3.21 | 3.19 | 3.23 | 4020 | 4020 | 1 | 200.6 | 806459 | .00 |
| | 3 | 3.40 | 3.38 | 3.42 | 4052 | 4052 | 1 | 200.6 | 812733 | .00 |
| | 4 | 3.47 | 3.45 | 3.49 | 4096 | 4096 | 1 | 200.6 | 821609 | .00 |
| | 5 | 3.53 | 3.51 | 3.55 | 2771 | 2771 | 1 | 200.6 | 555914 | .00 |
| | 6 | 3.63 | 3.61 | 3.65 | 3242 | 3242 | 1 | 200.6 | 650247 | .00 |
| Aroclor-1242 | 1 | 2.88 | 2.86 | 2.90 | 9936 | 9936 | 1 | 200 | 1987130 | .00 |
| | 2 | 3.21 | 3.19 | 3.23 | 12142 | 12142 | 1 | 200 | 2428384 | .00 |
| | 3 | 3.40 | 3.38 | 3.42 | 12132 | 12132 | 1 | 200 | 2426360 | .00 |
| | 4 | 3.47 | 3.45 | 3.49 | 13284 | 13284 | 1 | 200 | 2656754 | .00 |
| | 5 | 3.53 | 3.51 | 3.55 | 9399 | 9399 | 1 | 200 | 1879702 | .00 |
| | 6 | 3.63 | 3.61 | 3.65 | 10952 | 10952 | 1 | 200 | 2190494 | .00 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 3.40 | 3.38 | 3.42 | 4431 | 3679 | 1 | 25.08 | 111136 | 11.83 |
| | 1 | | | | 3890 | | 2 | 50.16 | 195115 | |
| | 1 | | | | 3547 | | 3 | 100.32 | 355857 | |
| | 1 | | | | 3645 | | 4 | 200.64 | 731410 | |
| | 1 | | | | 3270 | | 5 | 501.6 | 1640387 | |
| | 1 | | | | 3291 | | 6 | 1003.2 | 3301050 | |
| | 2 | 3.47 | 3.45 | 3.49 | 6242 | 5450 | 1 | 25.08 | 156550 | 9.02 |
| | 2 | | | | 5772 | | 2 | 50.16 | 289543 | |
| | 2 | | | | 5357 | | 3 | 100.32 | 537448 | |
| | 2 | | | | 5384 | | 4 | 200.64 | 1080155 | |
| | 2 | | | | 5026 | | 5 | 501.6 | 2521271 | |
| | 2 | | | | 4917 | | 6 | 1003.2 | 4933084 | |
| | 3 | 3.51 | 3.49 | 3.53 | 11074 | 9285 | 1 | 25.08 | 277744 | 12.14 |
| | 3 | | | | 10152 | | 2 | 50.16 | 509242 | |
| | 3 | | | | 8869 | | 3 | 100.32 | 889700 | |
| | 3 | | | | 9142 | | 4 | 200.64 | 1834271 | |
| | 3 | | | | 8152 | | 5 | 501.6 | 4088988 | |
| | 3 | | | | 8323 | | 6 | 1003.2 | 8349846 | |
| | 4 | 3.63 | 3.61 | 3.65 | 13006 | 11033 | 1 | 25.08 | 326195 | 10.02 |
| | 4 | | | | 11491 | | 2 | 50.16 | 576385 | |
| | 4 | | | | 10501 | | 3 | 100.32 | 1053451 | |
| | 4 | | | | 10984 | | 4 | 200.64 | 2203754 | |
| | 4 | | | | 10182 | | 5 | 501.6 | 5107096 | |
| | 4 | | | | 10036 | | 6 | 1003.2 | 10067980 | |
| | 5 | 3.72 | 3.70 | 3.74 | 9238 | 7986 | 1 | 25.08 | 231689 | 8.94 |
| | 5 | | | | 8291 | | 2 | 50.16 | 415871 | |
| | 5 | | | | 7292 | | 3 | 100.32 | 731557 | |
| | 5 | | | | 8017 | | 4 | 200.64 | 1608495 | |
| | 5 | | | | 7486 | | 5 | 501.6 | 3754953 | |
| | 5 | | | | 7590 | | 6 | 1003.2 | 7614746 | |
| | 6 | 3.86 | 3.84 | 3.88 | 17082 | 15089 | 1 | 25.08 | 428408 | 7.25 |
| | 6 | | | | 15197 | | 2 | 50.16 | 762263 | |
| | 6 | | | | 13927 | | 3 | 100.32 | 1397113 | |
| | 6 | | | | 15257 | | 4 | 200.64 | 3061148 | |
| | 6 | | | | 14462 | | 5 | 501.6 | 7254142 | |
| | 6 | | | | 14608 | | 6 | 1003.2 | 14655040 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.21 | 4.19 | 4.23 | 25323 | 22755 | 1 | 25.12 | 636108 | 6.70 |
| | 1 | | | | 23451 | | 2 | 50.24 | 1178173 | |
| | 1 | | | | 22725 | | 3 | 100.48 | 2283454 | |
| | 1 | | | | 22513 | | 4 | 251.2 | 5655306 | |
| | 1 | | | | 21358 | | 5 | 502.4 | 10730280 | |
| | 1 | | | | 21160 | | 6 | 1004.8 | 21261650 | |
| | 2 | 4.30 | 4.28 | 4.32 | 13089 | 11001 | 1 | 25.12 | 328807 | 11.74 |
| | 2 | | | | 11841 | | 2 | 50.24 | 594887 | |
| | 2 | | | | 10954 | | 3 | 100.48 | 1100649 | |
| | 2 | | | | 10613 | | 4 | 251.2 | 2666027 | |
| | 2 | | | | 9765 | | 5 | 502.4 | 4905944 | |
| | 2 | | | | 9742 | | 6 | 1004.8 | 9788684 | |
| | 3 | 4.37 | 4.35 | 4.39 | 13953 | 12691 | 1 | 25.12 | 350506 | 6.56 |
| | 3 | | | | 13526 | | 2 | 50.24 | 679533 | |
| | 3 | | | | 12318 | | 3 | 100.48 | 1237698 | |
| | 3 | | | | 12192 | | 4 | 251.2 | 3062614 | |
| | 3 | | | | 11943 | | 5 | 502.4 | 6000307 | |
| | 3 | | | | 12213 | | 6 | 1004.8 | 12271740 | |
| | 4 | 4.44 | 4.42 | 4.46 | 10465 | 9012 | 1 | 25.12 | 262878 | 11.08 |
| | 4 | | | | 9870 | | 2 | 50.24 | 495882 | |
| | 4 | | | | 8981 | | 3 | 100.48 | 902442 | |
| | 4 | | | | 8757 | | 4 | 251.2 | 2199736 | |
| | 4 | | | | 7926 | | 5 | 502.4 | 3982054 | |
| | 4 | | | | 8070 | | 6 | 1004.8 | 8108380 | |
| | 5 | 4.59 | 4.57 | 4.61 | 9848 | 9825 | 1 | 25.12 | 247372 | 2.97 |
| | 5 | | | | 9868 | | 2 | 50.24 | 495776 | |
| | 5 | | | | 9341 | | 3 | 100.48 | 938587 | |
| | 5 | | | | 9781 | | 4 | 251.2 | 2456998 | |
| | 5 | | | | 9854 | | 5 | 502.4 | 4950862 | |
| | 5 | | | | 10255 | | 6 | 1004.8 | 10304420 | |
| | 6 | 4.67 | 4.65 | 4.69 | 18061 | 16337 | 1 | 25.12 | 453698 | 6.71 |
| | 6 | | | | 17174 | | 2 | 50.24 | 862839 | |
| | 6 | | | | 16369 | | 3 | 100.48 | 1644750 | |
| | 6 | | | | 15697 | | 4 | 251.2 | 3943108 | |
| | 6 | | | | 15419 | | 5 | 502.4 | 7746373 | |
| | 6 | | | | 15300 | | 6 | 1004.8 | 15372950 | |

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.44 | 4.42 | 4.46 | 22761 | 20627 | 1 | 25.21 | 573808 | 5.90 |
| | 1 | | | | 20760 | | 2 | 50.41 | 1046518 | |
| | 1 | | | | 20709 | | 3 | 100.82 | 2087847 | |
| | 1 | | | | 19809 | | 4 | 201.64 | 3994192 | |
| | 1 | | | | 19161 | | 5 | 504.1 | 9659049 | |
| | 1 | | | | 20564 | | 6 | 1008.2 | 20732590 | |
| | 2 | 4.54 | 4.52 | 4.56 | 16888 | 15481 | 1 | 25.21 | 425736 | 5.68 |
| | 2 | | | | 15515 | | 2 | 50.41 | 782131 | |
| | 2 | | | | 15636 | | 3 | 100.82 | 1576421 | |
| | 2 | | | | 14228 | | 4 | 201.64 | 2868940 | |
| | 2 | | | | 14971 | | 5 | 504.1 | 7546782 | |
| | 2 | | | | 15649 | | 6 | 1008.2 | 15777320 | |
| | 3 | 4.67 | 4.65 | 4.69 | 20303 | 19560 | 1 | 25.21 | 511844 | 4.74 |
| | 3 | | | | 19995 | | 2 | 50.41 | 1007946 | |
| | 3 | | | | 19274 | | 3 | 100.82 | 1943166 | |
| | 3 | | | | 18475 | | 4 | 201.64 | 3725218 | |
| | 3 | | | | 18591 | | 5 | 504.1 | 9371669 | |
| | 3 | | | | 20722 | | 6 | 1008.2 | 20892090 | |
| | 4 | 4.89 | 4.87 | 4.91 | 14539 | 13415 | 1 | 25.21 | 366522 | 4.28 |
| | 4 | | | | 13188 | | 2 | 50.41 | 664819 | |
| | 4 | | | | 13207 | | 3 | 100.82 | 1331503 | |
| | 4 | | | | 13115 | | 4 | 201.64 | 2644500 | |
| | 4 | | | | 12974 | | 5 | 504.1 | 6540140 | |
| | 4 | | | | 13469 | | 6 | 1008.2 | 13579080 | |
| | 5 | 5.08 | 5.06 | 5.10 | 32046 | 31490 | 1 | 25.21 | 807872 | 3.65 |
| | 5 | | | | 30467 | | 2 | 50.41 | 1535863 | |
| | 5 | | | | 31596 | | 3 | 100.82 | 3185476 | |
| | 5 | | | | 30320 | | 4 | 201.64 | 6113648 | |
| | 5 | | | | 31093 | | 5 | 504.1 | 15673990 | |
| | 5 | | | | 33419 | | 6 | 1008.2 | 33693180 | |
| | 6 | 5.34 | 5.32 | 5.36 | 21559 | 20592 | 1 | 25.21 | 543507 | 4.28 |
| | 6 | | | | 21201 | | 2 | 50.41 | 1068767 | |
| | 6 | | | | 19735 | | 3 | 100.82 | 1989653 | |
| | 6 | | | | 20104 | | 4 | 201.64 | 4053723 | |
| | 6 | | | | 19587 | | 5 | 504.1 | 9873970 | |
| | 6 | | | | 21363 | | 6 | 1008.2 | 21538650 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | 1 | 4.70 | 4.68 | 4.72 | 21234 | 21234 | 1 | 200.8 | 4263861 | .00 |
| | 2 | 4.89 | 4.87 | 4.91 | 20815 | 20815 | 1 | 200.8 | 4179563 | .00 |
| | 3 | 5.08 | 5.06 | 5.10 | 41570 | 41570 | 1 | 200.8 | 8347244 | .00 |
| | 4 | 5.30 | 5.28 | 5.32 | 16926 | 16926 | 1 | 200.8 | 3398717 | .00 |
| | 5 | 5.35 | 5.33 | 5.37 | 27428 | 27428 | 1 | 200.8 | 5507533 | .00 |
| | 6 | 5.73 | 5.71 | 5.75 | 16115 | 16115 | 1 | 200.8 | 3235844 | .00 |
| Aroclor-1268 | 1 | 5.30 | 5.28 | 5.32 | 48364 | 48364 | 1 | 201 | 9721103 | .00 |
| | 2 | 5.35 | 5.33 | 5.37 | 45575 | 45575 | 1 | 201 | 9160653 | .00 |
| | 3 | 5.50 | 5.48 | 5.52 | 43002 | 43002 | 1 | 201 | 8643405 | .00 |
| | 4 | 5.57 | 5.55 | 5.59 | 11163 | 11163 | 1 | 201 | 2243786 | .00 |
| | 5 | 5.72 | 5.70 | 5.74 | 18011 | 18011 | 1 | 201 | 3620238 | .00 |
| | 6 | 5.92 | 5.90 | 5.94 | 141221 | 141221 | 1 | 201 | 28385350 | .00 |

File Name: V:\CP7\07PCBS1728401b.CAL
Version: 9

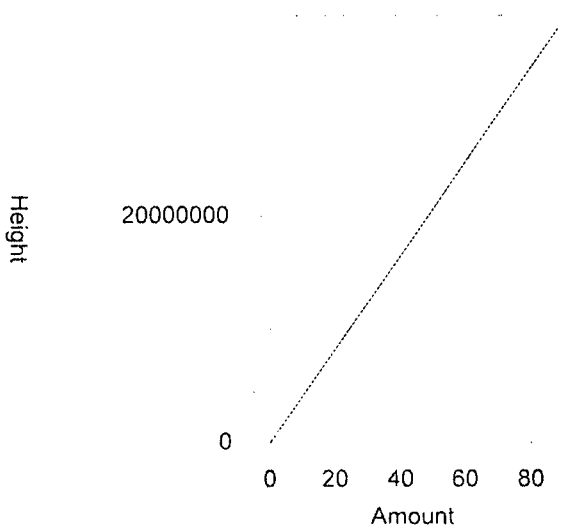
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX




| | |
|---|---|
| Expected retention time: | 2.592 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

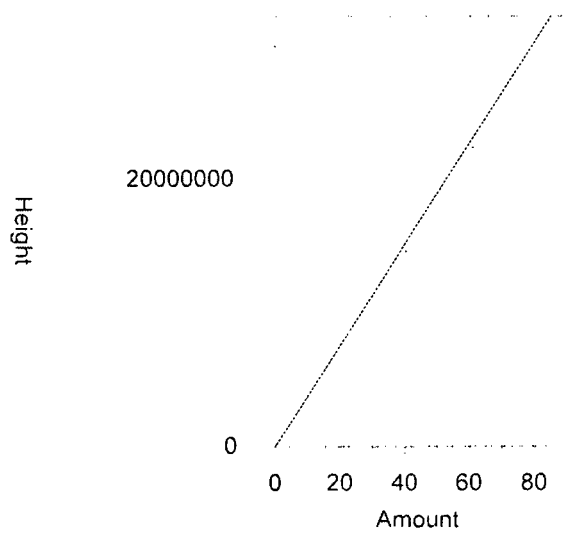
Y = 414527.4 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9987453 |
| Average error: | 1.977% |
| Average CF: | 414527.4 |
| RSD: | 2.969% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2 | 832095.8 | 416047.9 | 0.367 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000 |
| 2 | 4 | 1568783 | 392195.8 | -5.387 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000 |
| 3 | 20 | 8474571 | 423728.6 | 2.220 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000 |
| 4 | 40 | 1.662099E+07 | 415524.8 | 0.241 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001 |
| 5 | 60.8 | 2.506613E+07 | 412271.9 | -0.544 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001 |
| 6 | 80 | 3.419165E+07 | 427395.6 | 3.104 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001 |

2 DCB




| | |
|---|---|
| Expected retention time: | 6.084 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 = 378555.8 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9962716 |
| Average error: | 5.388% |
| Average CF: | 378555.8 |
| RSD: | 7.172% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2.01 | 864063.6 | 429882.4 | 13.559 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |
| 2 | 4.02 | 1561446 | 388419.4 | 2.606 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |
| 3 | 20.12 | 7246212 | 360149.7 | -4.862 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |
| 4 | 40.24 | 1.459791E+07 | 362771.1 | -4.170 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |
| 5 | 61.16 | 2.238017E+07 | 365928.2 | -3.336 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |
| 6 | 80.48 | 2.930952E+07 | 364183.9 | -3.797 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.( |

# 6D

## INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract: -

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | RT OF STANDARDS | | | | | | MIDPOINT | RT WINDOW | |
|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | RT | FROM | TO |
| Tetrachloro-m-xylene | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.90 | 2.96 |
| Decachlorobiphenyl | 6.60 | 6.60 | 6.60 | 6.59 | 6.60 | 6.59 | 6.59 | 6.56 | 6.62 |

# 6E

## INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | CALIBRATION FACTORS | | | | | | | %RSD |
|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | MEAN | |
| Tetrachloro-m-xylene | 1.47E+05 | 1.35E+05 | 1.49E+05 | 1.50E+05 | 1.48E+05 | 1.52E+05 | 1.47E+05 | 4 |
| Decachlorobiphenyl | 1.29E+05 | 1.10E+05 | 1.12E+05 | 1.12E+05 | 1.11E+05 | 1.12E+05 | 1.14E+05 | 6 |

Average % RSD: 5

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 3.18 | 3.16 | 3.20 | 2742 | 2367 | 1 | 25.25 | 69223 | 9.63 |
| | 1 | | | | 2411 | | 2 | 50.5 | 121766 | |
| | 1 | | | | 2425 | | 3 | 101 | 244934 | |
| | 1 | | | | 2356 | | 4 | 202 | 476010 | |
| | 1 | | | | 2179 | | 5 | 505 | 1100373 | |
| | 1 | | | | 2086 | | 6 | 1010 | 2107103 | |
| | 2 | 3.39 | 3.37 | 3.41 | 2625 | 2334 | 1 | 25.25 | 66279 | 8.29 |
| | 2 | | | | 2480 | | 2 | 50.5 | 125257 | |
| | 2 | | | | 2325 | | 3 | 101 | 234864 | |
| | 2 | | | | 2305 | | 4 | 202 | 465689 | |
| | 2 | | | | 2141 | | 5 | 505 | 1081253 | |
| | 2 | | | | 2127 | | 6 | 1010 | 2147908 | |
| | 3 | 3.51 | 3.49 | 3.53 | 3150 | 2868 | 1 | 25.25 | 79545 | 6.55 |
| | 3 | | | | 2998 | | 2 | 50.5 | 151417 | |
| | 3 | | | | 2889 | | 3 | 101 | 291792 | |
| | 3 | | | | 2822 | | 4 | 202 | 570065 | |
| | 3 | | | | 2701 | | 5 | 505 | 1363805 | |
| | 3 | | | | 2647 | | 6 | 1010 | 2673266 | |
| | 4 | 3.72 | 3.70 | 3.74 | 3818 | 3537 | 1 | 25.25 | 96416 | 4.66 |
| | 4 | | | | 3550 | | 2 | 50.5 | 179283 | |
| | 4 | | | | 3613 | | 3 | 101 | 364951 | |
| | 4 | | | | 3464 | | 4 | 202 | 699688 | |
| | 4 | | | | 3420 | | 5 | 505 | 1727062 | |
| | 4 | | | | 3359 | | 6 | 1010 | 3392173 | |
| | 5 | 3.78 | 3.76 | 3.80 | 3327 | 3116 | 1 | 25.25 | 84000 | 3.70 |
| | 5 | | | | 3039 | | 2 | 50.5 | 153449 | |
| | 5 | | | | 3106 | | 3 | 101 | 313699 | |
| | 5 | | | | 3155 | | 4 | 202 | 637324 | |
| | 5 | | | | 3012 | | 5 | 505 | 1521255 | |
| | 5 | | | | 3054 | | 6 | 1010 | 3085021 | |
| | 6 | 3.97 | 3.95 | 3.99 | 2534 | 2259 | 1 | 25.25 | 63993 | 7.25 |
| | 6 | | | | 2329 | | 2 | 50.5 | 117592 | |
| | 6 | | | | 2276 | | 3 | 101 | 229846 | |
| | 6 | | | | 2218 | | 4 | 202 | 448050 | |
| | 6 | | | | 2108 | | 5 | 505 | 1064354 | |
| | 6 | | | | 2090 | | 6 | 1010 | 2111336 | |
| Aroclor-1221 | 1 | 3.08 | 3.06 | 3.10 | 1302 | 1302 | 1 | 200.24 | 260646 | .00 |
| | 2 | 3.13 | 3.11 | 3.15 | 1150 | 1150 | 1 | 200.24 | 230329 | .00 |
| | 3 | 3.18 | 3.16 | 3.20 | 3595 | 3595 | 1 | 200.24 | 719772 | .00 |

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1232 | 1 | 3.18 | 3.16 | 3.20 | 2832 | 2832 | 1 | 200.6 | 568088 | .00 |
| | 2 | 3.40 | 3.38 | 3.42 | 1070 | 1070 | 1 | 200.6 | 214642 | .00 |
| | 3 | 3.51 | 3.49 | 3.53 | 1330 | 1330 | 1 | 200.6 | 266721 | .00 |
| | 4 | 3.72 | 3.70 | 3.74 | 1689 | 1689 | 1 | 200.6 | 338885 | .00 |
| | 5 | 3.78 | 3.76 | 3.80 | 1436 | 1436 | 1 | 200.6 | 287981 | .00 |
| | 6 | 3.97 | 3.95 | 3.99 | 944 | 944 | 1 | 200.6 | 189462 | .00 |
| Aroclor-1242 | 1 | 3.18 | 3.16 | 3.20 | 1958 | 1958 | 1 | 200 | 391670 | .00 |
| | 2 | 3.40 | 3.38 | 3.42 | 1840 | 1840 | 1 | 200 | 368055 | .00 |
| | 3 | 3.51 | 3.49 | 3.53 | 2319 | 2319 | 1 | 200 | 463704 | .00 |
| | 4 | 3.72 | 3.70 | 3.74 | 2834 | 2834 | 1 | 200 | 566784 | .00 |
| | 5 | 3.78 | 3.76 | 3.80 | 2444 | 2444 | 1 | 200 | 488760 | .00 |
| | 6 | 3.97 | 3.95 | 3.99 | 1809 | 1809 | 1 | 200 | 361898 | .00 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 3.73 | 3.71 | 3.75 | 1690 | 1520 | 1 | 25.08 | 42381 | 10.77 |
| | 1 | | | | 1710 | | 2 | 50.16 | 85760 | |
| | 1 | | | | 1592 | | 3 | 100.32 | 159661 | |
| | 1 | | | | 1420 | | 4 | 200.64 | 284909 | |
| | 1 | | | | 1346 | | 5 | 501.6 | 674909 | |
| | 1 | | | | 1366 | | 6 | 1003.2 | 1370190 | |
| | 2 | 3.78 | 3.76 | 3.80 | 1910 | 1758 | 1 | 25.08 | 47905 | 8.21 |
| | 2 | | | | 1925 | | 2 | 50.16 | 96540 | |
| | 2 | | | | 1815 | | 3 | 100.32 | 182079 | |
| | 2 | | | | 1672 | | 4 | 200.64 | 335470 | |
| | 2 | | | | 1593 | | 5 | 501.6 | 798881 | |
| | 2 | | | | 1635 | | 6 | 1003.2 | 1639958 | |
| | 3 | 3.85 | 3.83 | 3.87 | 3326 | 2842 | 1 | 25.08 | 83415 | 11.84 |
| | 3 | | | | 3112 | | 2 | 50.16 | 156075 | |
| | 3 | | | | 2935 | | 3 | 100.32 | 294444 | |
| | 3 | | | | 2586 | | 4 | 200.64 | 518775 | |
| | 3 | | | | 2476 | | 5 | 501.6 | 1242119 | |
| | 3 | | | | 2616 | | 6 | 1003.2 | 2624570 | |
| | 4 | 3.98 | 3.96 | 4.00 | 3734 | 3304 | 1 | 25.08 | 93655 | 9.03 |
| | 4 | | | | 3555 | | 2 | 50.16 | 178297 | |
| | 4 | | | | 3363 | | 3 | 100.32 | 337334 | |
| | 4 | | | | 3097 | | 4 | 200.64 | 621388 | |
| | 4 | | | | 2969 | | 5 | 501.6 | 1489350 | |
| | 4 | | | | 3106 | | 6 | 1003.2 | 3115918 | |
| | 5 | 4.06 | 4.04 | 4.08 | 3009 | 2788 | 1 | 25.08 | 75476 | 6.65 |
| | 5 | | | | 3023 | | 2 | 50.16 | 151610 | |
| | 5 | | | | 2770 | | 3 | 100.32 | 277860 | |
| | 5 | | | | 2655 | | 4 | 200.64 | 532744 | |
| | 5 | | | | 2592 | | 5 | 501.6 | 1300284 | |
| | 5 | | | | 2680 | | 6 | 1003.2 | 2688972 | |
| | 6 | 4.24 | 4.22 | 4.26 | 3153 | 2828 | 1 | 25.08 | 79068 | 7.69 |
| | 6 | | | | 2903 | | 2 | 50.16 | 145614 | |
| | 6 | | | | 2801 | | 3 | 100.32 | 281014 | |
| | 6 | | | | 2658 | | 4 | 200.64 | 533289 | |
| | 6 | | | | 2532 | | 5 | 501.6 | 1269906 | |
| | 6 | | | | 2919 | | 6 | 1003.2 | 2928154 | |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.56 | 4.54 | 4.58 | 4065 | 3679 | 1 | 25.15 | 102230 | 6.88 |
| | 1 | | | | 3823 | | 2 | 50.3 | 192291 | |
| | 1 | | | | 3672 | | 3 | 100.6 | 369371 | |
| | 1 | | | | 3424 | | 4 | 251.5 | 861164 | |
| | 1 | | | | 3387 | | 5 | 503 | 1703867 | |
| | 1 | | | | 3706 | | 6 | 1006 | 3727862 | |
| | 2 | 4.63 | 4.61 | 4.65 | 7764 | 7138 | 1 | 25.15 | 195271 | 5.99 |
| | 2 | | | | 7325 | | 2 | 50.3 | 368448 | |
| | 2 | | | | 6941 | | 3 | 100.6 | 698269 | |
| | 2 | | | | 6635 | | 4 | 251.5 | 1668613 | |
| | 2 | | | | 6775 | | 5 | 503 | 3408002 | |
| | 2 | | | | 7390 | | 6 | 1006 | 7434070 | |
| | 3 | 4.75 | 4.73 | 4.77 | 2746 | 2290 | 1 | 25.15 | 69058 | 12.31 |
| | 3 | | | | 2507 | | 2 | 50.3 | 126086 | |
| | 3 | | | | 2227 | | 3 | 100.6 | 224080 | |
| | 3 | | | | 2180 | | 4 | 251.5 | 548174 | |
| | 3 | | | | 2002 | | 5 | 503 | 1007231 | |
| | 3 | | | | 2080 | | 6 | 1006 | 2092484 | |
| | 4 | 4.84 | 4.82 | 4.86 | 5637 | 5203 | 1 | 25.15 | 141764 | 4.70 |
| | 4 | | | | 5279 | | 2 | 50.3 | 265517 | |
| | 4 | | | | 5075 | | 3 | 100.6 | 510537 | |
| | 4 | | | | 4937 | | 4 | 251.5 | 1241613 | |
| | 4 | | | | 5072 | | 5 | 503 | 2551381 | |
| | 4 | | | | 5216 | | 6 | 1006 | 5247496 | |
| | 5 | 5.03 | 5.01 | 5.05 | 4170 | 3860 | 1 | 25.15 | 104883 | 6.33 |
| | 5 | | | | 3956 | | 2 | 50.3 | 198974 | |
| | 5 | | | | 3701 | | 3 | 100.6 | 372310 | |
| | 5 | | | | 3630 | | 4 | 251.5 | 913045 | |
| | 5 | | | | 3611 | | 5 | 503 | 1816556 | |
| | 5 | | | | 4090 | | 6 | 1006 | 4114681 | |
| | 6 | 5.15 | 5.13 | 5.17 | 5900 | 5246 | 1 | 25.15 | 148377 | 6.55 |
| | 6 | | | | 5277 | | 2 | 50.3 | 265408 | |
| | 6 | | | | 5140 | | 3 | 100.6 | 517130 | |
| | 6 | | | | 5026 | | 4 | 251.5 | 1264105 | |
| | 6 | | | | 4929 | | 5 | 503 | 2479515 | |
| | 6 | | | | 5204 | | 6 | 1006 | 5234809 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.75 | 4.73 | 4.77 | 5754 | 5162 | 1 | 25.21 | 145046 | 6.18 |
| | 1 | | | | 5108 | | 2 | 50.41 | 257489 | |
| | 1 | | | | 5173 | | 3 | 100.82 | 521511 | |
| | 1 | | | | 5103 | | 4 | 201.64 | 1028976 | |
| | 1 | | | | 4791 | | 5 | 504.1 | 2414911 | |
| | 1 | | | | 5042 | | 6 | 1008.2 | 5082846 | |
| | 2 | 4.95 | 4.93 | 4.97 | 6819 | 6266 | 1 | 25.21 | 171907 | 4.74 |
| | 2 | | | | 6281 | | 2 | 50.41 | 316609 | |
| | 2 | | | | 6156 | | 3 | 100.82 | 620614 | |
| | 2 | | | | 6301 | | 4 | 201.64 | 1270567 | |
| | 2 | | | | 6006 | | 5 | 504.1 | 3027382 | |
| | 2 | | | | 6035 | | 6 | 1008.2 | 6084884 | |
| | 3 | 5.15 | 5.13 | 5.17 | 8027 | 7789 | 1 | 25.21 | 202363 | 2.42 |
| | 3 | | | | 7794 | | 2 | 50.41 | 392912 | |
| | 3 | | | | 7646 | | 3 | 100.82 | 770859 | |
| | 3 | | | | 7865 | | 4 | 201.64 | 1585885 | |
| | 3 | | | | 7502 | | 5 | 504.1 | 3781575 | |
| | 3 | | | | 7902 | | 6 | 1008.2 | 7966410 | |
| | 4 | 5.38 | 5.36 | 5.40 | 4386 | 3975 | 1 | 25.21 | 110580 | 5.75 |
| | 4 | | | | 4016 | | 2 | 50.41 | 202440 | |
| | 4 | | | | 3862 | | 3 | 100.82 | 389354 | |
| | 4 | | | | 3936 | | 4 | 201.64 | 793625 | |
| | 4 | | | | 3701 | | 5 | 504.1 | 1865858 | |
| | 4 | | | | 3946 | | 6 | 1008.2 | 3978470 | |
| | 5 | 5.62 | 5.60 | 5.64 | 11541 | 10727 | 1 | 25.21 | 290957 | 4.22 |
| | 5 | | | | 10329 | | 2 | 50.41 | 520694 | |
| | 5 | | | | 10562 | | 3 | 100.82 | 1064861 | |
| | 5 | | | | 10729 | | 4 | 201.64 | 2163371 | |
| | 5 | | | | 10331 | | 5 | 504.1 | 5207845 | |
| | 5 | | | | 10867 | | 6 | 1008.2 | 10955880 | |
| | 6 | 5.82 | 5.80 | 5.84 | 7286 | 6560 | 1 | 25.21 | 183692 | 5.75 |
| | 6 | | | | 6571 | | 2 | 50.41 | 331234 | |
| | 6 | | | | 6356 | | 3 | 100.82 | 640854 | |
| | 6 | | | | 6267 | | 4 | 201.64 | 1263615 | |
| | 6 | | | | 6322 | | 5 | 504.1 | 3186838 | |
| | 6 | | | | 6557 | | 6 | 1008.2 | 6611228 | |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | 1 | 5.22 | 5.20 | 5.24 | 6298 | 6298 | 1 | 200.8 | 1264556 | .00 |
| | 2 | 5.38 | 5.36 | 5.40 | 5304 | 5304 | 1 | 200.8 | 1065136 | .00 |
| | 3 | 5.62 | 5.60 | 5.64 | 13514 | 13514 | 1 | 200.8 | 2713576 | .00 |
| | 4 | 5.82 | 5.80 | 5.84 | 8619 | 8619 | 1 | 200.8 | 1730610 | .00 |
| | 5 | 5.88 | 5.86 | 5.90 | 4187 | 4187 | 1 | 200.8 | 840759 | .00 |
| | 6 | 6.25 | 6.23 | 6.27 | 5168 | 5168 | 1 | 200.8 | 1037727 | .00 |
| Aroclor-1268 | 1 | 5.82 | 5.80 | 5.84 | 15226 | 15226 | 1 | 201 | 3060496 | .00 |
| | 2 | 5.88 | 5.86 | 5.90 | 13200 | 13200 | 1 | 201 | 2653105 | .00 |
| | 3 | 6.01 | 5.99 | 6.03 | 11864 | 11864 | 1 | 201 | 2384634 | .00 |
| | 4 | 6.08 | 6.06 | 6.10 | 3173 | 3173 | 1 | 201 | 637730 | .00 |
| | 5 | 6.25 | 6.23 | 6.27 | 5335 | 5335 | 1 | 201 | 1072416 | .00 |
| | 6 | 6.45 | 6.43 | 6.47 | 43733 | 43733 | 1 | 201 | 8790361 | .00 |

File Name: V:\CP25\25PCBS1728901.CAL
Version: 8

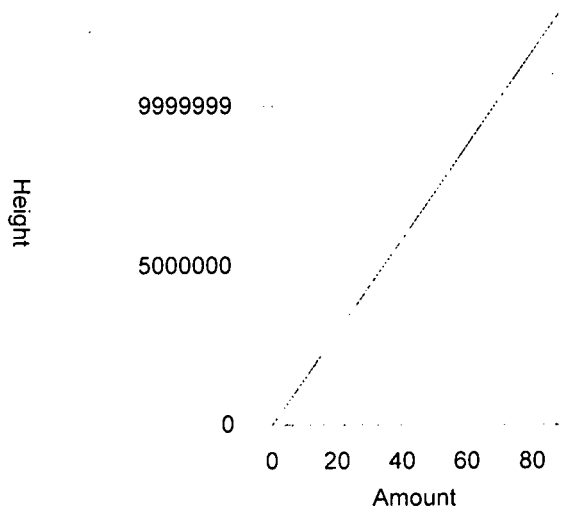
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX




| | |
|---|---|
| Expected retention time: | 2.93 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

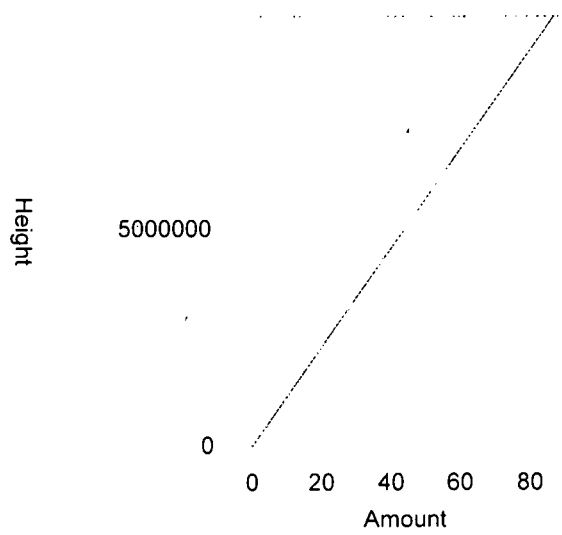
Y = 146685.1 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9982057 |
| Average error: | 2.755% |
| Average CF: | 146685.1 |
| RSD: | 4.172% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2 | 293018.3 | 146509.2 | -0.120 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.E |
| 2 | 4 | 538957.9 | 134739.5 | -8.144 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.E |
| 3 | 20 | 2973586 | 148679.3 | 1.360 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.009.E |
| 4 | 40 | 5997971 | 149949.3 | 2.225 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.E |
| 5 | 60.8 | 9018581 | 148331.9 | 1.123 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.011.E |
| 6 | 80 | 1.215211E+07 | 151901.4 | 3.556 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.012.E |

2 DCB




| | |
|---|---|
| Expected retention time: | 6.594 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 = 114254.5 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9985009 |
| Average error: | 4.380% |
| Average CF: | 114254.5 |
| RSD: | 6.492% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2.01 | 259827.3 | 129267.3 | 13.140 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.B |
| 2 | 4.02 | 440399.4 | 109552.1 | -4.116 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.B |
| 3 | 20.12 | 2261102 | 112380.8 | -1.640 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.009.B |
| 4 | 40.24 | 4488864 | 111552.3 | -2.365 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.B |
| 5 | 61.16 | 6787356 | 110977 | -2.869 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.011.B |
| 6 | 80.48 | 8997452 | 111797.4 | -2.151 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.012.B |

# 6D
# INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | RT OF STANDARDS | | | | | | MIDPOINT | RT WINDOW | |
|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | RT | FROM | TO |
| Tetrachloro-m-xylene | 2.61 | 2.62 | 2.62 | 2.61 | 2.62 | 2.62 | 2.62 | 2.59 | 2.65 |
| Decachlorobiphenyl | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.07 | 6.13 |

# 6E

## INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | CALIBRATION FACTORS | | | | | | | %RSD |
|---|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | LEVEL 6 | MEAN | |
| Tetrachloro-m-xylene | 2.64E+05 | 2.36E+05 | 2.67E+05 | 2.77E+05 | 2.83E+05 | 2.69E+05 | 2.66E+05 | 6 |
| Decachlorobiphenyl | 4.01E+05 | 3.58E+05 | 3.60E+05 | 3.77E+05 | 3.57E+05 | 3.69E+05 | 3.70E+05 | 5 |

Average % RSD: 6

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 2.90 | 2.88 | 2.92 | 4941 | 4266 | 1 | 25.25 | 124767 | 10.26 |
| | 1 | | | | 4377 | | 2 | 50.5 | 221050 | |
| | 1 | | | | 4390 | | 3 | 101 | 443389 | |
| | 1 | | | | 4316 | | 4 | 202 | 871855 | |
| | 1 | | | | 3854 | | 5 | 505 | 1946273 | |
| | 1 | | | | 3716 | | 6 | 1010 | 3753429 | |
| | 2 | 3.23 | 3.21 | 3.25 | 6056 | 5365 | 1 | 25.25 | 152923 | 8.10 |
| | 2 | | | | 5503 | | 2 | 50.5 | 277920 | |
| | 2 | | | | 5436 | | 3 | 101 | 549056 | |
| | 2 | | | | 5371 | | 4 | 202 | 1085028 | |
| | 2 | | | | 5032 | | 5 | 505 | 2541111 | |
| | 2 | | | | 4790 | | 6 | 1010 | 4838058 | |
| | 3 | 3.42 | 3.40 | 3.44 | 6386 | 5863 | 1 | 25.25 | 161248 | 4.67 |
| | 3 | | | | 5720 | | 2 | 50.5 | 288851 | |
| | 3 | | | | 5869 | | 3 | 101 | 592781 | |
| | 3 | | | | 5853 | | 4 | 202 | 1182346 | |
| | 3 | | | | 5747 | | 5 | 505 | 2902247 | |
| | 3 | | | | 5602 | | 6 | 1010 | 5658410 | |
| | 4 | 3.49 | 3.47 | 3.51 | 6731 | 6436 | 1 | 25.25 | 169968 | 2.60 |
| | 4 | | | | 6343 | | 2 | 50.5 | 320341 | |
| | 4 | | | | 6363 | | 3 | 101 | 642644 | |
| | 4 | | | | 6542 | | 4 | 202 | 1321464 | |
| | 4 | | | | 6323 | | 5 | 505 | 3193042 | |
| | 4 | | | | 6315 | | 6 | 1010 | 6378178 | |
| | 5 | 3.55 | 3.53 | 3.57 | 5265 | 4719 | 1 | 25.25 | 132933 | 6.89 |
| | 5 | | | | 4881 | | 2 | 50.5 | 246469 | |
| | 5 | | | | 4736 | | 3 | 101 | 478312 | |
| | 5 | | | | 4608 | | 4 | 202 | 930792 | |
| | 5 | | | | 4375 | | 5 | 505 | 2209338 | |
| | 5 | | | | 4447 | | 6 | 1010 | 4491786 | |
| | 6 | 3.65 | 3.63 | 3.67 | 6247 | 5678 | 1 | 25.25 | 157729 | 5.34 |
| | 6 | | | | 5674 | | 2 | 50.5 | 286561 | |
| | 6 | | | | 5606 | | 3 | 101 | 566247 | |
| | 6 | | | | 5692 | | 4 | 202 | 1149742 | |
| | 6 | | | | 5460 | | 5 | 505 | 2757140 | |
| | 6 | | | | 5389 | | 6 | 1010 | 5443392 | |
| Aroclor-1221 | 1 | 2.79 | 2.77 | 2.81 | 2665 | 2665 | 1 | 200.24 | 533632 | .00 |
| | 2 | 2.85 | 2.83 | 2.87 | 1643 | 1643 | 1 | 200.24 | 329067 | .00 |
| | 3 | 2.90 | 2.88 | 2.92 | 6481 | 6481 | 1 | 200.24 | 1297709 | .00 |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1232 | 1 | 2.90 | 2.88 | 2.92 | 5081 | 5081 | 1 | 200.6 | 1019209 | .00 |
| | 2 | 3.23 | 3.21 | 3.25 | 2546 | 2546 | 1 | 200.6 | 510766 | .00 |
| | 3 | 3.42 | 3.40 | 3.44 | 2764 | 2764 | 1 | 200.6 | 554400 | .00 |
| | 4 | 3.49 | 3.47 | 3.51 | 2815 | 2815 | 1 | 200.6 | 564716 | .00 |
| | 5 | 3.55 | 3.53 | 3.57 | 1950 | 1950 | 1 | 200.6 | 391110 | .00 |
| | 6 | 3.65 | 3.63 | 3.67 | 2389 | 2389 | 1 | 200.6 | 479296 | .00 |
| Aroclor-1242 | 1 | 2.90 | 2.88 | 2.92 | 3433 | 3433 | 1 | 200 | 686675 | .00 |
| | 2 | 3.23 | 3.21 | 3.25 | 4268 | 4268 | 1 | 200 | 853510 | .00 |
| | 3 | 3.42 | 3.40 | 3.44 | 4701 | 4701 | 1 | 200 | 940100 | .00 |
| | 4 | 3.49 | 3.47 | 3.51 | 5189 | 5189 | 1 | 200 | 1037793 | .00 |
| | 5 | 3.55 | 3.53 | 3.57 | 3759 | 3759 | 1 | 200 | 751800 | .00 |
| | 6 | 3.65 | 3.63 | 3.67 | 4600 | 4600 | 1 | 200 | 919960 | .00 |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 3.42 | 3.40 | 3.44 | 2874 | 2413 | 1 | 25.08 | 72073 | 12.56 |
| | 1 | | | | 2647 | | 2 | 50.16 | 132752 | |
| | 1 | | | | 2446 | | 3 | 100.32 | 245360 | |
| | 1 | | | | 2232 | | 4 | 200.64 | 447860 | |
| | 1 | | | | 2069 | | 5 | 501.6 | 1037805 | |
| | 1 | | | | 2211 | | 6 | 1003.2 | 2218366 | |
| | 2 | 3.49 | 3.47 | 3.51 | 4170 | 3686 | 1 | 25.08 | 104593 | 10.02 |
| | 2 | | | | 4084 | | 2 | 50.16 | 204864 | |
| | 2 | | | | 3706 | | 3 | 100.32 | 371818 | |
| | 2 | | | | 3444 | | 4 | 200.64 | 691017 | |
| | 2 | | | | 3277 | | 5 | 501.6 | 1643701 | |
| | 2 | | | | 3435 | | 6 | 1003.2 | 3445522 | |
| | 3 | 3.53 | 3.51 | 3.55 | 7454 | 6327 | 1 | 25.08 | 186943 | 11.54 |
| | 3 | | | | 6886 | | 2 | 50.16 | 345423 | |
| | 3 | | | | 6386 | | 3 | 100.32 | 640653 | |
| | 3 | | | | 5791 | | 4 | 200.64 | 1161872 | |
| | 3 | | | | 5552 | | 5 | 501.6 | 2784918 | |
| | 3 | | | | 5891 | | 6 | 1003.2 | 5909478 | |
| | 4 | 3.65 | 3.63 | 3.67 | 8803 | 7901 | 1 | 25.08 | 220775 | 7.74 |
| | 4 | | | | 8407 | | 2 | 50.16 | 421718 | |
| | 4 | | | | 7976 | | 3 | 100.32 | 800185 | |
| | 4 | | | | 7502 | | 4 | 200.64 | 1505262 | |
| | 4 | | | | 7205 | | 5 | 501.6 | 3614194 | |
| | 4 | | | | 7514 | | 6 | 1003.2 | 7537866 | |
| | 5 | 3.74 | 3.72 | 3.76 | 6243 | 5714 | 1 | 25.08 | 156565 | 7.41 |
| | 5 | | | | 6076 | | 2 | 50.16 | 304793 | |
| | 5 | | | | 5791 | | 3 | 100.32 | 580919 | |
| | 5 | | | | 5286 | | 4 | 200.64 | 1060664 | |
| | 5 | | | | 5169 | | 5 | 501.6 | 2592914 | |
| | 5 | | | | 5721 | | 6 | 1003.2 | 5739088 | |
| | 6 | 3.88 | 3.86 | 3.90 | 11370 | 10592 | 1 | 25.08 | 285148 | 5.21 |
| | 6 | | | | 11109 | | 2 | 50.16 | 557245 | |
| | 6 | | | | 10411 | | 3 | 100.32 | 1044414 | |
| | 6 | | | | 10192 | | 4 | 200.64 | 2044953 | |
| | 6 | | | | 9915 | | 5 | 501.6 | 4973394 | |
| | 6 | | | | 10556 | | 6 | 1003.2 | 10590060 | |

# 6F

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.18 | 4.16 | 4.20 | 9612 | 9130 | 1 | 25.15 | 241737 | 3.77 |
| | 1 | | | | 9287 | | 2 | 50.3 | 467136 | |
| | 1 | | | | 8994 | | 3 | 100.6 | 904764 | |
| | 1 | | | | 8645 | | 4 | 251.5 | 2174109 | |
| | 1 | | | | 8921 | | 5 | 503 | 4487368 | |
| | 1 | | | | 9324 | | 6 | 1006 | 9379964 | |
| | 2 | 4.24 | 4.22 | 4.26 | 16252 | 16013 | 1 | 25.15 | 408740 | 3.24 |
| | 2 | | | | 15698 | | 2 | 50.3 | 789607 | |
| | 2 | | | | 15471 | | 3 | 100.6 | 1556351 | |
| | 2 | | | | 15969 | | 4 | 251.5 | 4016165 | |
| | 2 | | | | 15764 | | 5 | 503 | 7929340 | |
| | 2 | | | | 16923 | | 6 | 1006 | 17024470 | |
| | 3 | 4.33 | 4.31 | 4.35 | 8324 | 7469 | 1 | 25.15 | 209338 | 5.84 |
| | 3 | | | | 7535 | | 2 | 50.3 | 379000 | |
| | 3 | | | | 7251 | | 3 | 100.6 | 729442 | |
| | 3 | | | | 7193 | | 4 | 251.5 | 1809147 | |
| | 3 | | | | 7220 | | 5 | 503 | 3631538 | |
| | 3 | | | | 7289 | | 6 | 1006 | 7332348 | |
| | 4 | 4.40 | 4.38 | 4.42 | 10790 | 10322 | 1 | 25.15 | 271363 | 5.23 |
| | 4 | | | | 9660 | | 2 | 50.3 | 485922 | |
| | 4 | | | | 10361 | | 3 | 100.6 | 1042275 | |
| | 4 | | | | 9770 | | 4 | 251.5 | 2457273 | |
| | 4 | | | | 10324 | | 5 | 503 | 5193105 | |
| | 4 | | | | 11026 | | 6 | 1006 | 11091930 | |
| | 5 | 4.61 | 4.59 | 4.63 | 7304 | 7434 | 1 | 25.15 | 183687 | 5.34 |
| | 5 | | | | 7066 | | 2 | 50.3 | 355398 | |
| | 5 | | | | 7356 | | 3 | 100.6 | 740049 | |
| | 5 | | | | 7250 | | 4 | 251.5 | 1823462 | |
| | 5 | | | | 7425 | | 5 | 503 | 3734793 | |
| | 5 | | | | 8205 | | 6 | 1006 | 8254354 | |
| | 6 | 4.69 | 4.67 | 4.71 | 11537 | 11134 | 1 | 25.15 | 290146 | 4.21 |
| | 6 | | | | 11287 | | 2 | 50.3 | 567747 | |
| | 6 | | | | 11333 | | 3 | 100.6 | 1140145 | |
| | 6 | | | | 10505 | | 4 | 251.5 | 2641970 | |
| | 6 | | | | 10584 | | 5 | 503 | 5323949 | |
| | 6 | | | | 11555 | | 6 | 1006 | 11624810 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.46 | 4.44 | 4.48 | 14680 | 14212 | 1 | 25.21 | 370093 | 2.62 |
| | 1 | | | | 13623 | | 2 | 50.41 | 686715 | |
| | 1 | | | | 14027 | | 3 | 100.82 | 1414225 | |
| | 1 | | | | 14508 | | 4 | 201.64 | 2925361 | |
| | 1 | | | | 14274 | | 5 | 504.1 | 7195716 | |
| | 1 | | | | 14161 | | 6 | 1008.2 | 14276920 | |
| | 2 | 4.56 | 4.54 | 4.58 | 11121 | 10869 | 1 | 25.21 | 280365 | 3.14 |
| | 2 | | | | 10357 | | 2 | 50.41 | 522092 | |
| | 2 | | | | 10580 | | 3 | 100.82 | 1066682 | |
| | 2 | | | | 11272 | | 4 | 201.64 | 2272871 | |
| | 2 | | | | 10956 | | 5 | 504.1 | 5522907 | |
| | 2 | | | | 10926 | | 6 | 1008.2 | 11015160 | |
| | 3 | 4.69 | 4.67 | 4.71 | 13280 | 13203 | 1 | 25.21 | 334792 | 4.83 |
| | 3 | | | | 12292 | | 2 | 50.41 | 619654 | |
| | 3 | | | | 12666 | | 3 | 100.82 | 1276967 | |
| | 3 | | | | 13750 | | 4 | 201.64 | 2772585 | |
| | 3 | | | | 13246 | | 5 | 504.1 | 6677144 | |
| | 3 | | | | 13982 | | 6 | 1008.2 | 14096920 | |
| | 4 | 4.91 | 4.89 | 4.93 | 8988 | 8762 | 1 | 25.21 | 226575 | 2.08 |
| | 4 | | | | 8575 | | 2 | 50.41 | 432265 | |
| | 4 | | | | 8671 | | 3 | 100.82 | 874171 | |
| | 4 | | | | 8656 | | 4 | 201.64 | 1745307 | |
| | 4 | | | | 8685 | | 5 | 504.1 | 4377946 | |
| | 4 | | | | 8997 | | 6 | 1008.2 | 9070288 | |
| | 5 | 5.10 | 5.08 | 5.12 | 20483 | 21239 | 1 | 25.21 | 516389 | 5.06 |
| | 5 | | | | 19676 | | 2 | 50.41 | 991856 | |
| | 5 | | | | 21156 | | 3 | 100.82 | 2132908 | |
| | 5 | | | | 21889 | | 4 | 201.64 | 4413764 | |
| | 5 | | | | 21487 | | 5 | 504.1 | 10831590 | |
| | 5 | | | | 22745 | | 6 | 1008.2 | 22931020 | |
| | 6 | 5.36 | 5.34 | 5.38 | 14716 | 15096 | 1 | 25.21 | 370988 | 5.23 |
| | 6 | | | | 14127 | | 2 | 50.41 | 712118 | |
| | 6 | | | | 14853 | | 3 | 100.82 | 1497503 | |
| | 6 | | | | 15165 | | 4 | 201.64 | 3057777 | |
| | 6 | | | | 15220 | | 5 | 504.1 | 7672535 | |
| | 6 | | | | 16494 | | 6 | 1008.2 | 16628970 | |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | 1 | 4.72 | 4.70 | 4.74 | 13886 | 13886 | 1 | 200.8 | 2788268 | .00 |
| | 2 | 4.91 | 4.89 | 4.93 | 13630 | 13630 | 1 | 200.8 | 2737003 | .00 |
| | 3 | 5.11 | 5.09 | 5.13 | 29557 | 29557 | 1 | 200.8 | 5935056 | .00 |
| | 4 | 5.32 | 5.30 | 5.34 | 11492 | 11492 | 1 | 200.8 | 2307562 | .00 |
| | 5 | 5.37 | 5.35 | 5.39 | 19309 | 19309 | 1 | 200.8 | 3877180 | .00 |
| | 6 | 5.74 | 5.72 | 5.76 | 13319 | 13319 | 1 | 200.8 | 2674358 | .00 |
| Aroclor-1268 | 1 | 5.32 | 5.30 | 5.34 | 36114 | 36114 | 1 | 201 | 7258856 | .00 |
| | 2 | 5.37 | 5.35 | 5.39 | 35424 | 35424 | 1 | 201 | 7120308 | .00 |
| | 3 | 5.52 | 5.50 | 5.54 | 32310 | 32310 | 1 | 201 | 6494218 | .00 |
| | 4 | 5.59 | 5.57 | 5.61 | 8133 | 8133 | 1 | 201 | 1634750 | .00 |
| | 5 | 5.74 | 5.72 | 5.76 | 15501 | 15501 | 1 | 201 | 3115708 | .00 |
| | 6 | 5.94 | 5.92 | 5.96 | 141067 | 141067 | 1 | 201 | 28354480 | .00 |

File Name: V:\CP25\25PCBS1728901b.CAL
Version: 8

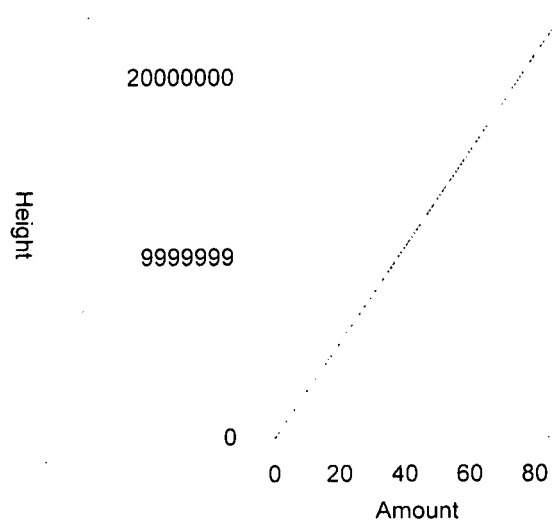
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX




Expected retention time: 2.614 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

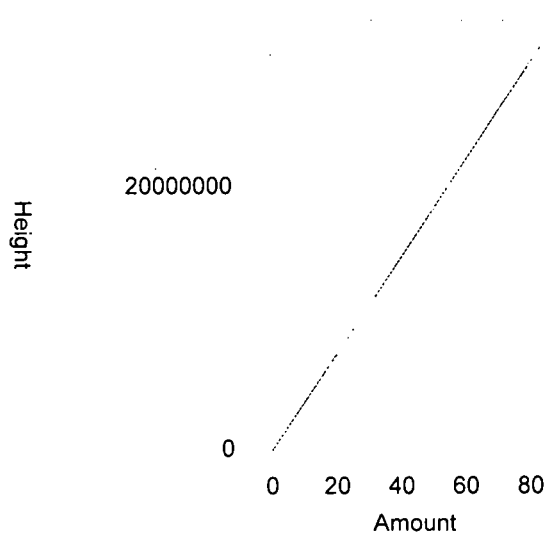
Single peak quantification by height

Y = 266059.6 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9964158
Average error: 4.111%
Average CF: 266059.6
RSD: 6.190%

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2 | 527193.9 | 263596.9 | -0.926 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.007 |
| 2 | 4 | 942845.6 | 235711.4 | -11.407 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.008 |
| 3 | 20 | 5345393 | 267269.7 | 0.455 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.009 |
| 4 | 40 | 1.109673E+07 | 277418.3 | 4.269 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.010 |
| 5 | 60.8 | 1.720834E+07 | 283031.9 | 6.379 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.011 |
| 6 | 80 | 2.154634E+07 | 269329.3 | 1.229 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.012 |

2 DCB




| | |
|---|---|
| Expected retention time: | 6.096 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 = 370230.6 X + 0

Average CF fit with equal weighting, forced to origin

| | |
|---|---|
| Coefficient of determination: | 0.9988856 |
| Average error: | 3.400% |
| Average CF: | 370230.6 |
| RSD: | 4.607% |

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 2.01 | 806745.4 | 401365.9 | 8.410 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |
| 2 | 4.02 | 1437204 | 357513.4 | -3.435 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |
| 3 | 20.12 | 7235337 | 359609.2 | -2.869 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |
| 4 | 40.24 | 1.516473E+07 | 376857.1 | 1.790 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |
| 5 | 61.16 | 2.186036E+07 | 357429 | -3.458 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |
| 6 | 80.48 | 2.966566E+07 | 368609.1 | -0.438 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B |

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 0:57

Lab File ID: 07PCBS17284001.0032.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 40.87 | 40.00 | 2 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 40.46 | 40.24 | 1 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 201.23 | 201.00 | 0 |
| | 3.40 | 3.38 | 3.42 | 201.48 | 201.00 | 0 |
| | 3.52 | 3.50 | 3.54 | 201.32 | 201.00 | 0 |
| | 3.73 | 3.71 | 3.75 | 200.00 | 201.00 | 0 |
| | 3.79 | 3.77 | 3.81 | 193.47 | 201.00 | -4 |
| | 3.98 | 3.96 | 4.00 | 190.76 | 201.00 | -5 |
| Aroclor-1260 | 4.76 | 4.74 | 4.78 | 183.02 | 201.80 | -9 |
| | 4.96 | 4.94 | 4.98 | 177.28 | 201.80 | -12 |
| | 5.16 | 5.14 | 5.18 | 182.83 | 201.80 | -9 |
| | 5.39 | 5.37 | 5.41 | 194.34 | 201.80 | -4 |
| | 5.63 | 5.61 | 5.65 | 175.70 | 201.80 | -13 |
| | 5.83 | 5.81 | 5.85 | 186.85 | 201.80 | -7 |

Compounds 14 Average of %D: 5

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 0:57

Lab File ID: 07PCBS17284001B.0032.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 41.52 | 40.00 | 4 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 36.51 | 40.24 | -9 |
| Aroclor-1016 | 2.88 | 2.86 | 2.90 | 199.57 | 201.00 | -1 |
| | 3.21 | 3.19 | 3.23 | 204.91 | 201.00 | 2 |
| | 3.40 | 3.38 | 3.42 | 195.65 | 201.00 | -3 |
| | 3.47 | 3.45 | 3.49 | 204.25 | 201.00 | 2 |
| | 3.53 | 3.51 | 3.55 | 198.08 | 201.00 | -1 |
| | 3.63 | 3.61 | 3.65 | 194.84 | 201.00 | -3 |
| Aroclor-1260 | 4.44 | 4.42 | 4.46 | 181.82 | 201.80 | -10 |
| | 4.54 | 4.52 | 4.56 | 189.46 | 201.80 | -6 |
| | 4.67 | 4.65 | 4.69 | 181.18 | 201.80 | -10 |
| | 4.89 | 4.87 | 4.91 | 190.42 | 201.80 | -6 |
| | 5.08 | 5.06 | 5.10 | 186.44 | 201.80 | -8 |
| | 5.34 | 5.32 | 5.36 | 193.43 | 201.80 | -4 |

Compounds 14 Average of %D: 5

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:09

Lab File ID: 07PCBS17284001.0033.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 39.95 | 40.00 | 0 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 38.57 | 40.24 | -4 |
| Aroclor-1248 | 3.73 | 3.71 | 3.75 | 189.66 | 200.60 | -5 |
| | 3.79 | 3.77 | 3.81 | 201.14 | 200.60 | 0 |
| | 3.86 | 3.84 | 3.88 | 203.97 | 200.60 | 2 |
| | 3.98 | 3.96 | 4.00 | 202.34 | 200.60 | 1 |
| | 4.07 | 4.05 | 4.09 | 207.80 | 200.60 | 4 |
| | 4.25 | 4.23 | 4.27 | 211.58 | 200.60 | 5 |

Compounds 8 Average of %D: 3

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:09

Lab File ID: 07PCBS17284001B.0033.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 38.45 | 40.00 | -4 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 37.55 | 40.24 | -7 |
| Aroclor-1248 | 3.40 | 3.38 | 3.42 | 180.28 | 200.60 | -10 |
| | 3.47 | 3.45 | 3.49 | 190.29 | 200.60 | -5 |
| | 3.51 | 3.49 | 3.53 | 195.57 | 200.60 | -3 |
| | 3.63 | 3.61 | 3.65 | 199.17 | 200.60 | -1 |
| | 3.72 | 3.70 | 3.74 | 199.57 | 200.60 | -1 |
| | 3.85 | 3.84 | 3.88 | 201.82 | 200.60 | 1 |

Compounds 8 Average of %D: 4

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

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

Lab File ID: 07PCBS17284001.0034.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 19.32 | 20.15 | -4 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 18.38 | 20.19 | -9 |
| Aroclor-1254 | 4.23 | 4.21 | 4.25 | 212.42 | 250.00 | -15 |
| | 4.34 | 4.32 | 4.36 | 212.14 | 250.00 | -15 |
| | 4.57 | 4.55 | 4.59 | 214.81 | 250.00 | -14 |
| | 4.63 | 4.61 | 4.65 | 219.99 | 250.00 | -12 |
| | 5.04 | 5.02 | 5.06 | 215.02 | 250.00 | -14 |
| | 5.16 | 5.14 | 5.18 | 215.12 | 250.00 | -14 |

Compounds 8 Average of %D: 12

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:20

Lab File ID: 07PCBS17284001B.0034.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 18.68 | 20.15 | -7 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 18.65 | 20.19 | -8 |
| Aroclor-1254 | 4.21 | 4.19 | 4.23 | 201.99 | 250.00 | -19 |
| | 4.30 | 4.28 | 4.32 | 195.13 | 250.00 | -22 |
| | 4.37 | 4.35 | 4.39 | 211.31 | 250.00 | -15 |
| | 4.44 | 4.42 | 4.46 | 204.90 | 250.00 | -18 |
| | 4.59 | 4.57 | 4.61 | 205.71 | 250.00 | -18 |
| | 4.67 | 4.65 | 4.69 | 215.21 | 250.00 | -14 |

Compounds 8 Average of %D: 15

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1 ID: .32 (mm)
Time Analyzed: 0:33
Lab File ID: 25PCBS17289001.032.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 44.22 | 40.00 | 11 |
| Decachlorobiphenyl | 6.60 | 6.56 | 6.62 | 40.56 | 40.24 | 1 |
| Aroclor-1016 | 3.18 | 3.16 | 3.20 | 204.79 | 201.00 | 2 |
| | 3.40 | 3.37 | 3.41 | 215.03 | 201.00 | 7 |
| | 3.51 | 3.49 | 3.53 | 217.64 | 201.00 | 8 |
| | 3.72 | 3.70 | 3.74 | 210.45 | 201.00 | 5 |
| | 3.78 | 3.76 | 3.80 | 217.95 | 201.00 | 8 |
| | 3.97 | 3.95 | 3.99 | 201.57 | 201.00 | 0 |
| Aroclor-1260 | 4.75 | 4.73 | 4.77 | 197.57 | 201.80 | -2 |
| | 4.95 | 4.93 | 4.97 | 201.55 | 201.80 | 0 |
| | 5.15 | 5.13 | 5.17 | 199.43 | 201.80 | -1 |
| | 5.38 | 5.36 | 5.40 | 201.91 | 201.80 | 0 |
| | 5.62 | 5.60 | 5.64 | 197.67 | 201.80 | -2 |
| | 5.82 | 5.80 | 5.84 | 203.70 | 201.80 | 1 |

Compounds 14 Average of %D: 3

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274B
Date Analyzed: 10/17/17
GC Column (2) : MR-2 ID: .32 (mm)
Time Analyzed: 0:33
Lab File ID: 25PCBS17289001B.032.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.61 | 2.58 | 2.64 | 43.31 | 40.00 | 8 |
| Decachlorobiphenyl | 6.10 | 6.07 | 6.13 | 42.92 | 40.24 | 7 |
| Aroclor-1016 | 2.90 | 2.88 | 2.92 | 205.13 | 201.00 | 2 |
| | 3.23 | 3.21 | 3.25 | 213.39 | 201.00 | 6 |
| | 3.42 | 3.40 | 3.44 | 211.42 | 201.00 | 5 |
| | 3.49 | 3.47 | 3.51 | 215.39 | 201.00 | 7 |
| | 3.55 | 3.53 | 3.57 | 220.73 | 201.00 | 10 |
| | 3.65 | 3.63 | 3.67 | 208.70 | 201.00 | 4 |
| Aroclor-1260 | 4.46 | 4.44 | 4.48 | 200.75 | 201.80 | -1 |
| | 4.56 | 4.54 | 4.58 | 211.55 | 201.80 | 5 |
| | 4.69 | 4.67 | 4.71 | 191.61 | 201.80 | -5 |
| | 4.91 | 4.89 | 4.93 | 207.04 | 201.80 | 3 |
| | 5.10 | 5.08 | 5.12 | 220.97 | 201.80 | 9 |
| | 5.36 | 5.34 | 5.38 | 212.39 | 201.80 | 5 |

Compounds 14 Average of %D: 6

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1
ID: .32 (mm)
Time Analyzed: 0:45
Lab File ID: 25PCBS17289001.033.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 39.47 | 40.00 | -1 |
| Decachlorobiphenyl | 6.60 | 6.56 | 6.62 | 38.72 | 40.24 | -4 |
| Aroclor-1248 | 3.72 | 3.71 | 3.75 | 187.86 | 200.60 | -6 |
| | 3.78 | 3.76 | 3.80 | 193.23 | 200.60 | -4 |
| | 3.85 | 3.83 | 3.87 | 191.00 | 200.60 | -5 |
| | 3.97 | 3.96 | 4.00 | 195.60 | 200.60 | -2 |
| | 4.06 | 4.04 | 4.08 | 203.14 | 200.60 | 1 |
| | 4.24 | 4.22 | 4.26 | 211.13 | 200.60 | 5 |

Compounds 8
Average of %D: 4

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274B
Date Analyzed: 10/17/17
GC Column (2) : MR-2
ID: .32 (mm)
Time Analyzed: 0:45
Lab File ID: 25PCBS17289001B.033.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.62 | 2.58 | 2.64 | 40.86 | 40.00 | 2 |
| Decachlorobiphenyl | 6.10 | 6.07 | 6.13 | 38.20 | 40.24 | -5 |
| Aroclor-1248 | 3.42 | 3.40 | 3.44 | 177.32 | 200.60 | -12 |
| | 3.49 | 3.47 | 3.51 | 184.27 | 200.60 | -8 |
| | 3.53 | 3.51 | 3.55 | 198.46 | 200.60 | -1 |
| | 3.65 | 3.63 | 3.67 | 201.12 | 200.60 | 0 |
| | 3.74 | 3.72 | 3.76 | 199.80 | 200.60 | 0 |
| | 3.88 | 3.86 | 3.90 | 200.24 | 200.60 | 0 |

Compounds 8
Average of %D: 4

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1
ID: .32 (mm)
Time Analyzed: 0:56
Lab File ID: 25PCBS17289001.034.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC54XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 20.52 | 20.15 | 2 |
| Decachlorobiphenyl | 6.60 | 6.56 | 6.62 | 20.11 | 20.19 | 0 |
| Aroclor-1254 | 4.56 | 4.54 | 4.58 | 234.75 | 250.00 | -6 |
| | 4.62 | 4.61 | 4.65 | 240.56 | 250.00 | -4 |
| | 4.75 | 4.73 | 4.77 | 235.70 | 250.00 | -6 |
| | 4.83 | 4.82 | 4.86 | 244.89 | 250.00 | -2 |
| | 5.03 | 5.01 | 5.05 | 241.19 | 250.00 | -4 |
| | 5.15 | 5.13 | 5.17 | 234.66 | 250.00 | -6 |

Compounds 8
Average of %D: 4

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274B
Date Analyzed: 10/17/17
GC Column (2) : MR-2 ID: .32 (mm)
Time Analyzed: 0:56
Lab File ID: 25PCBS17289001B.034.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC54XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.61 | 2.58 | 2.64 | 21.01 | 20.15 | 4 |
| Decachlorobiphenyl | 6.10 | 6.07 | 6.13 | 19.42 | 20.19 | -4 |
| Aroclor-1254 | 4.17 | 4.16 | 4.20 | 238.24 | 250.00 | -5 |
| | 4.23 | 4.22 | 4.26 | 242.04 | 250.00 | -3 |
| | 4.33 | 4.31 | 4.35 | 239.95 | 250.00 | -4 |
| | 4.39 | 4.38 | 4.42 | 239.85 | 250.00 | -4 |
| | 4.61 | 4.59 | 4.63 | 245.01 | 250.00 | -2 |
| | 4.69 | 4.67 | 4.71 | 245.30 | 250.00 | -2 |

Compounds 8
Average of %D: 4

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:
Lab Code:  Case No.:  SAS No.:  SDG No.:
Instrument: 19843A  Date Analyzed: 10/12/17
GC Column (1) : ZB MR1  ID: .32 (mm)  Time Analyzed: 3:25
Lab File ID: 07PCBS17284001.0045.RAW  Initial Calibration: 07PCBS1728401
Lab Standard ID: AR164KU  Init. Calib Date(s): 10/11/17  10/11/17
Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 40.12 | 40.00 | 0 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 31.86 | 40.24 | -21 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 190.45 | 202.00 | -6 |
| | 3.40 | 3.38 | 3.42 | 190.86 | 202.00 | -6 |
| | 3.52 | 3.50 | 3.54 | 190.61 | 202.00 | -6 |
| | 3.73 | 3.71 | 3.75 | 192.86 | 202.00 | -5 |
| | 3.79 | 3.77 | 3.81 | 184.29 | 202.00 | -9 |
| | 3.98 | 3.96 | 4.00 | 190.67 | 202.00 | -6 |
| Aroclor-1260 | 4.76 | 4.74 | 4.78 | 167.58 | 201.64 | -17 |
| | 4.95 | 4.94 | 4.98 | 168.85 | 201.64 | -16 |
| | 5.16 | 5.14 | 5.18 | 168.93 | 201.64 | -16 |
| | 5.39 | 5.37 | 5.41 | 162.49 | 201.64 | -19 |
| | 5.62 | 5.61 | 5.65 | 165.36 | 201.64 | -18 |
| | 5.83 | 5.81 | 5.85 | 147.13 | 201.64 | -27 |

Compounds 14  Average of %D: 12

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 3:25

Lab File ID: 07PCBS17284001B.0045.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KU Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 37.74 | 40.00 | -6 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 30.17 | 40.24 | -25 |
| Aroclor-1016 | 2.88 | 2.86 | 2.90 | 186.59 | 202.00 | -8 |
| | 3.21 | 3.19 | 3.23 | 186.66 | 202.00 | -8 |
| | 3.40 | 3.38 | 3.42 | 181.31 | 202.00 | -10 |
| | 3.47 | 3.45 | 3.49 | 185.57 | 202.00 | -8 |
| | 3.53 | 3.51 | 3.55 | 172.77 | 202.00 | -14 |
| | 3.63 | 3.61 | 3.65 | 179.80 | 202.00 | -11 |
| Aroclor-1260 | 4.44 | 4.42 | 4.46 | 168.11 | 201.64 | -17 |
| | 4.54 | 4.52 | 4.56 | 169.35 | 201.64 | -16 |
| | 4.67 | 4.65 | 4.69 | 172.60 | 201.64 | -14 |
| | 4.89 | 4.87 | 4.91 | 160.80 | 201.64 | -20 |
| | 5.08 | 5.06 | 5.10 | 164.80 | 201.64 | -18 |
| | 5.34 | 5.32 | 5.36 | 166.82 | 201.64 | -17 |

Compounds 14 Average of %D: 14

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17**24B PIBLKRT Sample ID: RT **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0046.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 95% (53-140) Conc.: 0.191769
%SSR(DCB) : 76% (45-143) Conc.: 0.153452

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1221** | | | | | 1 | | |
| 3.12 | 3.13 | 3.16 | 75259.26 | 0.346415 | | | 2 |
| Height Summation: | | | **75259.26** | | | | |
| Amount Avg CF: | | | **0.346415** | Linear: | | | |
| **Aroclor-1248** | | | | | 3 | 83.06 | |
| 3.84 | 3.85 | 3.88 | 1769.077 | 0.00288 | | | 3 |
| 4.05 | 4.06 | 4.09 | 1488.158 | 0.002386 | | | 5 |
| 4.23 | 4.25 | 4.27 | 6853.663 | 0.009885 | | | 6 |
| Height Summation: | | | **10110.898** | | | | |
| Amount Avg CF: | | | **0.00505** | Linear: | | | |
| **Aroclor-1254** | | | | | 3 | 58.23 | |
| 4.61 | 4.61 | 4.65 | 2754.083 | 0.001608 | | | 4 |
| 5.02 | 5.04 | 5.06 | 3268.064 | 0.005464 | | | 5 |
| 5.14 | 5.16 | 5.18 | 2870.736 | 0.002991 | | | 6 |
| Height Summation: | | | **8892.883** | | | | |
| Amount Avg CF: | | | **0.003354** | Linear: | | | |
| **Aroclor-1260** | | | | | 3 | 25.97 | |
| 4.74 | 4.75 | 4.78 | 1969.78 | 0.001699 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3274.431 | 0.002794 | | | 2 |
| 5.14 | 5.16 | 5.18 | 2870.736 | 0.002014 | | | 3 |
| Height Summation: | | | **8114.947** | | | | |
| Amount Avg CF: | | | **0.002169** | Linear: | | | |
| **Aroclor-1262** | | | | | 2 | 32.61 | |
| 5.21 | 5.23 | 5.25 | 1508.366 | 0.001005 | | | 1 |
| 6.24 | 6.25 | 6.28 | 1789.424 | 0.001607 | | | 6 |
| Height Summation: | | | **3297.79** | | | | |
| Amount Avg CF: | | | **0.001306** | Linear: | | | |
| **Aroclor-1268** | | | | | 4 | 113.16 | |
| 6.00 | 6.02 | 6.04 | 22256.64 | 0.00666 | | | 3 |
| 6.06 | 6.08 | 6.10 | 19058.18 | 0.02284 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1789.424 | 0.001469 | | | 5 |
| 6.43 | 6.46 | 6.47 | 29803.7 | 0.003431 | | | 6 |
| Height Summation: | | | **72907.944** | | | | |
| Amount Avg CF: | | | **0.0086** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0046.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 91% (53-140) Conc.: 0.184338
%SSR(DCB) : 75% (45-143) Conc.: 0.150895

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 1 | | |
| 3.61 | 3.61 | 3.65 | 2480.43 | 0.003029 | | | 6 |
| Height Summation: | | | **2480.43** | | | | |
| Amount Avg CF: | | | **0.003029** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 135.14 | |
| 2.74 | 2.76 | 2.78 | 4116.453 | 0.009818 | | | 1 |
| 2.80 | 2.81 | 2.84 | 112735.4 | 0.432104 | | | 2 |
| Height Summation: | | | **116851.853** | | | | |
| Amount Avg CF: | | | **0.220961** | Linear: | | | |
| **Aroclor-1232** | | | | | 1 | | |
| 3.61 | 3.61 | 3.65 | 2480.43 | 0.007652 | | | 6 |
| Height Summation: | | | **2480.43** | | | | |
| Amount Avg CF: | | | **0.007652** | Linear: | | | |
| **Aroclor-1242** | | | | | 1 | | |
| 3.61 | 3.61 | 3.65 | 2480.43 | 0.002265 | | | 6 |
| Height Summation: | | | **2480.43** | | | | |
| Amount Avg CF: | | | **0.002265** | Linear: | | | |
| **Aroclor-1248** | | | | | 2 | 12.12 | |
| 3.61 | 3.61 | 3.65 | 2480.43 | 0.002248 | | | 4 |
| 3.84 | 3.85 | 3.88 | 4027.871 | 0.002669 | | | 6 |
| Height Summation: | | | **6508.301** | | | | |
| Amount Avg CF: | | | **0.002459** | Linear: | | | |
| **Aroclor-1254** | | | | | 2 | 21.97 | |
| 4.35 | 4.38 | 4.39 | 2353.103 | 0.001854 | | | 3 |
| 4.65 | 4.67 | 4.69 | 4143.491 | 0.002536 | | | 6 |
| Height Summation: | | | **6496.594** | | | | |
| Amount Avg CF: | | | **0.002195** | Linear: | | | |
| **Aroclor-1260** | | | | | 2 | 52.13 | |
| 4.52 | 4.55 | 4.56 | 7108.642 | 0.004592 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4143.491 | 0.002118 | | | 3 |
| Height Summation: | | | **11252.133** | | | | |
| Amount Avg CF: | | | **0.003355** | Linear: | | | |
| **Aroclor-1262** | | | | | 1 | | |
| 5.28 | 5.31 | 5.32 | 15706.47 | 0.00928 | | | 4 |
| Height Summation: | | | **15706.47** | | | | |
| Amount Avg CF: | | | **0.00928** | Linear: | | | |
| **Aroclor-1268** | | | | | 4 | 79.84 | |
| 5.28 | 5.31 | 5.32 | 15706.47 | 0.003248 | | | 1 |
| 5.48 | 5.50 | 5.52 | 27326.56 | 0.006355 | | | 3 |
| 5.55 | 5.57 | 5.59 | 17257.14 | 0.015459 | | | 4 |
| 5.90 | 5.92 | 5.94 | 50166.94 | 0.003552 | | | 6 |
| Height Summation: | | | **110457.11** | | | | |
| Amount Avg CF: | | | **0.007153** | Linear: | | | |

## Summary Report

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

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKRT Sample ID: RT **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0046.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0046.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221 | | | | | | ** 44.22 | 3 | 40 | |
| Aroclor-1232 | | | | | | | 4 | 40 | |
| Aroclor-1242 | | | | | | | 4 | 40 | |
| Aroclor-1248 | | | | | | ** 69.02 | 4 | 40 | |
| Aroclor-1254 | | | | | | ** 41.77 | 4 | 40 | |
| Aroclor-1260 | | | | | | ** 42.94 | 4 | 40 | |
| Aroclor-1262 | | | | | | ** 150.65 | 4 | 40 | |
| Aroclor-1268 | | | | | | 18.37 | 4 | 40 | |

Units: ug/kg

# 7E

## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 7:37

Lab File ID: 07PCBS17284001.0067.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: AR164KV Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 41.85 | 40.00 | 5 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 35.34 | 40.24 | -12 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 202.59 | 202.00 | 0 |
| | 3.40 | 3.38 | 3.42 | 208.42 | 202.00 | 3 |
| | 3.52 | 3.50 | 3.54 | 205.27 | 202.00 | 2 |
| | 3.73 | 3.71 | 3.75 | 210.91 | 202.00 | 4 |
| | 3.79 | 3.77 | 3.81 | 206.80 | 202.00 | 2 |
| | 3.98 | 3.96 | 4.00 | 210.60 | 202.00 | 4 |
| Aroclor-1260 | 4.76 | 4.74 | 4.78 | 201.76 | 201.64 | 0 |
| | 4.96 | 4.94 | 4.98 | 192.23 | 201.64 | -5 |
| | 5.16 | 5.14 | 5.18 | 201.49 | 201.64 | 0 |
| | 5.39 | 5.37 | 5.41 | 204.30 | 201.64 | 1 |
| | 5.63 | 5.61 | 5.65 | 196.46 | 201.64 | -3 |
| | 5.83 | 5.81 | 5.85 | 183.36 | 201.64 | -9 |

Compounds 14 Average of %D: 4

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 7:37

Lab File ID: 07PCBS17284001B.0067.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KV Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 39.44 | 40.00 | -1 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 36.01 | 40.24 | -11 |
| Aroclor-1016 | 2.88 | 2.86 | 2.90 | 194.37 | 202.00 | -4 |
| | 3.21 | 3.19 | 3.23 | 196.63 | 202.00 | -3 |
| | 3.40 | 3.38 | 3.42 | 189.37 | 202.00 | -6 |
| | 3.47 | 3.45 | 3.49 | 197.27 | 202.00 | -2 |
| | 3.53 | 3.51 | 3.55 | 191.48 | 202.00 | -5 |
| | 3.63 | 3.61 | 3.65 | 194.69 | 202.00 | -4 |
| Aroclor-1260 | 4.44 | 4.42 | 4.46 | 194.97 | 201.64 | -3 |
| | 4.54 | 4.52 | 4.56 | 202.18 | 201.64 | 0 |
| | 4.67 | 4.65 | 4.69 | 197.29 | 201.64 | -2 |
| | 4.89 | 4.87 | 4.91 | 197.25 | 201.64 | -2 |
| | 5.08 | 5.06 | 5.10 | 192.44 | 201.64 | -5 |
| | 5.34 | 5.32 | 5.36 | 201.72 | 201.64 | 0 |

Compounds 14 Average of %D: 3

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17** 24B PIBLKRU Sample ID: RU **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0068.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (53-140) Conc.: 0.19954
%SSR(DCB) : 88% (45-143) Conc.: 0.178551

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 3 | 17.81 | |
| 3.50 | 3.51 | 3.54 | 2884.439 | 0.004764 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3186.265 | 0.00433 | | | 4 |
| 3.96 | 3.97 | 4.00 | 1643.035 | 0.003326 | | | 6 |
| Height Summation: | | | 7713.739 | | | | |
| Amount Avg CF: | | | 0.00414 | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.12 | 3.13 | 3.16 | 79555.78 | 0.366191 | | | 2 |
| Height Summation: | | | 79555.78 | | | | |
| Amount Avg CF: | | | 0.366191 | Linear: | | | |
| **Aroclor-1232** | | | | | 3 | 8.79 | |
| 3.50 | 3.51 | 3.54 | 2884.439 | 0.010462 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3186.265 | 0.009545 | | | 4 |
| 3.96 | 3.97 | 4.00 | 1643.035 | 0.008777 | | | 6 |
| Height Summation: | | | 7713.739 | | | | |
| Amount Avg CF: | | | 0.009595 | Linear: | | | |
| **Aroclor-1242** | | | | | 3 | 17.82 | |
| 3.50 | 3.51 | 3.54 | 2884.439 | 0.003577 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3186.265 | 0.003155 | | | 4 |
| 3.96 | 3.97 | 4.00 | 1643.035 | 0.00249 | | | 6 |
| Height Summation: | | | 7713.739 | | | | |
| Amount Avg CF: | | | 0.003074 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 69.58 | |
| 3.71 | 3.73 | 3.75 | 3186.265 | 0.009715 | | | 1 |
| 3.84 | 3.86 | 3.88 | 2067.56 | 0.003366 | | | 3 |
| + 3.84 | 3.88 | 3.88 | 983.1838 | 0.0016 | | | 3 |
| 3.96 | 3.97 | 4.00 | 1643.035 | 0.002384 | | | 4 |
| 4.05 | 4.06 | 4.09 | 1593.907 | 0.002555 | | | 5 |
| 4.23 | 4.26 | 4.27 | 6920.118 | 0.009981 | | | 6 |
| Height Summation: | | | 15410.885 | | | | |
| Amount Avg CF: | | | 0.0056 | Linear: | | | |
| **Aroclor-1254** | | | | | 3 | 63.96 | |
| 4.21 | 4.21 | 4.25 | 6176.043 | 0.007951 | | | 1 |
| 5.02 | 5.04 | 5.06 | 1491.956 | 0.002494 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3201.468 | 0.003335 | | | 6 |
| Height Summation: | | | 10869.467 | | | | |
| Amount Avg CF: | | | 0.004594 | Linear: | | | |
| **Aroclor-1260** | | | | | 5 | 62.66 | |
| 4.74 | 4.76 | 4.78 | 4228.26 | 0.003647 | | | 1 |
| 4.94 | 4.96 | 4.98 | 6351.148 | 0.005418 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3201.468 | 0.002246 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1497.649 | 0.001899 | | | 4 |
| 5.81 | 5.83 | 5.85 | 1438.763 | 0.000863 | | | 6 |
| Height Summation: | | | 16717.288 | | | | |
| Amount Avg CF: | | | 0.002815 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0068.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 94% (53-140) Conc.: 0.189526
%SSR(DCB) : 90% (45-143) Conc.: 0.182697

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 1 | | |
| 3.51 | 3.54 | 3.55 | 5833.312 | 0.008073 | | | 5 |
| Height Summation: | | | 5833.312 | | | | |
| Amount Avg CF: | | | 0.008073 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 136.63 | |
| 2.74 | 2.76 | 2.78 | 3095.427 | 0.007383 | | | 1 |
| 2.80 | 2.81 | 2.84 | 111734.1 | 0.428266 | | | 2 |
| Height Summation: | | | 114829.527 | | | | |
| Amount Avg CF: | | | 0.217825 | Linear: | | | |
| **Aroclor-1232** | | | | | 1 | | |
| 3.51 | 3.54 | 3.55 | 5833.312 | 0.021049 | | | 5 |
| Height Summation: | | | 5833.312 | | | | |
| Amount Avg CF: | | | 0.021049 | Linear: | | | |
| **Aroclor-1242** | | | | | 1 | | |
| 3.51 | 3.54 | 3.55 | 5833.312 | 0.006207 | | | 5 |
| Height Summation: | | | 5833.312 | | | | |
| Amount Avg CF: | | | 0.006207 | Linear: | | | |
| **Aroclor-1248** | | | | | 2 | 11.77 | |
| 3.49 | 3.51 | 3.53 | 4710.507 | 0.005073 | | | 3 |
| 3.84 | 3.85 | 3.88 | 6477.966 | 0.004293 | | | 6 |
| Height Summation: | | | 11188.473 | | | | |
| Amount Avg CF: | | | 0.004683 | Linear: | | | |
| **Aroclor-1254** | | | | | 4 | 27.22 | |
| 4.19 | 4.21 | 4.23 | 5122.538 | 0.002251 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4114.884 | 0.003741 | | | 2 |
| 4.42 | 4.44 | 4.46 | 4061.935 | 0.004507 | | | 4 |
| 4.65 | 4.67 | 4.69 | 5434.396 | 0.003327 | | | 6 |
| Height Summation: | | | 18733.753 | | | | |
| Amount Avg CF: | | | 0.003456 | Linear: | | | |
| **Aroclor-1260** | | | | | 5 | 36.76 | |
| 4.42 | 4.44 | 4.46 | 4061.935 | 0.001969 | | | 1 |
| 4.52 | 4.55 | 4.56 | 7147.356 | 0.004617 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5434.396 | 0.002778 | | | 3 |
| 4.87 | 4.89 | 4.91 | 3975.851 | 0.002964 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6572.171 | 0.002087 | | | 5 |
| Height Summation: | | | 27191.709 | | | | |
| Amount Avg CF: | | | 0.002883 | Linear: | | | |
| **Aroclor-1262** | | | | | 2 | 13.33 | |
| 4.87 | 4.89 | 4.91 | 3975.851 | 0.00191 | | | 2 |
| 5.06 | 5.08 | 5.10 | 6572.171 | 0.001581 | | | 3 |
| Height Summation: | | | 10548.022 | | | | |
| Amount Avg CF: | | | 0.001746 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKRU Sample ID: RU **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0068.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **3** | **53.98** | |
| 5.37 | 5.39 | 5.41 | 1497.649 | 0.001398 | | | 2 |
| 5.81 | 5.83 | 5.85 | 1438.763 | 0.00065 | | | 4 |
| + 6.24 | 6.24 | 6.28 | 2301.294 | 0.002067 | | | 6 |
| 6.24 | 6.25 | 6.28 | 2412.164 | 0.002166 | | | 6 |

Height Summation: **5348.576**
Amount Avg CF: **0.001405** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **5** | **145.37** | |
| 5.81 | 5.83 | 5.85 | 1438.763 | 0.000336 | | | 1 |
| 6.00 | 6.02 | 6.04 | 46845.48 | 0.014018 | | | 3 |
| 6.06 | 6.08 | 6.10 | 40893.79 | 0.049009 | | | 4 |
| + 6.23 | 6.24 | 6.27 | 2301.294 | 0.00189 | | | 5 |
| 6.23 | 6.25 | 6.27 | 2412.164 | 0.001981 | | | 5 |
| 6.43 | 6.46 | 6.47 | 38774.89 | 0.004464 | | | 6 |

Height Summation: **130365.087**
Amount Avg CF: **0.013961** Linear:

## Analysis Report (B)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0068.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **3** | **102.04** | |
| 5.48 | 5.50 | 5.52 | 51072.13 | 0.011877 | | | 3 |
| 5.55 | 5.57 | 5.59 | 48867.82 | 0.043776 | | | 4 |
| 5.90 | 5.93 | 5.94 | 71800.23 | 0.005084 | | | 6 |

Height Summation: **171740.18**
Amount Avg CF: **0.020246** Linear:

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | ** 64.41 | 4 | 40 | |
| Aroclor-1221 | | | | | | ** 50.81 | 3 | 40 | |
| Aroclor-1232 | | | | | | ** 74.76 | 4 | 40 | |
| Aroclor-1242 | | | | | | ** 67.52 | 4 | 40 | |
| Aroclor-1248 | | | | | | 17.84 | 4 | 40 | |
| Aroclor-1254 | | | | | | 28.25 | 4 | 40 | |
| Aroclor-1260 | | | | | | 2.39 | 4 | 40 | |
| Aroclor-1262 | | | | | | 21.64 | 4 | 40 | |
| Aroclor-1268 | | | | | | 36.74 | 4 | 40 | |

Units: ug/kg

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 19843A  Date Analyzed: 10/12/17

GC Column (1) : ZB MR1  ID: .32 (mm)  Time Analyzed: 11:26

Lab File ID: 07PCBS17284001.0087.RAW  Initial Calibration: 07PCBS1728401

Lab Standard ID: AR164KW  Init. Calib Date(s): 10/11/17  10/11/17

Calibration: 07PCBS1728401

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.94 | 2.91 | 2.97 | 41.50 | 40.00 | 4 |
| Decachlorobiphenyl | 6.60 | 6.57 | 6.63 | 36.74 | 40.24 | -9 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 204.73 | 202.00 | 1 |
| | 3.40 | 3.38 | 3.42 | 209.42 | 202.00 | 4 |
| | 3.52 | 3.50 | 3.54 | 204.95 | 202.00 | 1 |
| | 3.73 | 3.71 | 3.75 | 201.59 | 202.00 | 0 |
| | 3.79 | 3.77 | 3.81 | 201.90 | 202.00 | 0 |
| | 3.98 | 3.96 | 4.00 | 207.89 | 202.00 | 3 |
| Aroclor-1260 | 4.76 | 4.74 | 4.78 | 192.85 | 201.64 | -4 |
| | 4.96 | 4.94 | 4.98 | 185.53 | 201.64 | -8 |
| | 5.16 | 5.14 | 5.18 | 193.12 | 201.64 | -4 |
| | 5.39 | 5.37 | 5.41 | 189.34 | 201.64 | -6 |
| | 5.63 | 5.61 | 5.65 | 197.17 | 201.64 | -2 |
| | 5.83 | 5.81 | 5.85 | 183.70 | 201.64 | -9 |

Compounds 14  Average of %D: 4

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 11:26

Lab File ID: 07PCBS17284001B.0087.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KW Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.59 | 2.56 | 2.62 | 44.29 | 40.00 | 11 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 38.66 | 40.24 | -4 |
| Aroclor-1016 | 2.88 | 2.86 | 2.90 | 220.60 | 202.00 | 9 |
| | 3.21 | 3.19 | 3.23 | 214.82 | 202.00 | 6 |
| | 3.40 | 3.38 | 3.42 | 213.88 | 202.00 | 6 |
| | 3.47 | 3.45 | 3.49 | 221.74 | 202.00 | 10 |
| | 3.53 | 3.51 | 3.55 | 214.37 | 202.00 | 6 |
| | 3.63 | 3.61 | 3.65 | 227.43 | 202.00 | 13 |
| Aroclor-1260 | 4.44 | 4.42 | 4.46 | 215.26 | 201.64 | 7 |
| | 4.54 | 4.52 | 4.56 | 209.28 | 201.64 | 4 |
| | 4.67 | 4.65 | 4.69 | 217.71 | 201.64 | 8 |
| | 4.89 | 4.87 | 4.91 | 212.46 | 201.64 | 5 |
| | 5.08 | 5.06 | 5.10 | 202.48 | 201.64 | 0 |
| | 5.34 | 5.32 | 5.36 | 206.31 | 201.64 | 2 |

Compounds 14 Average of %D: 7

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17** 24B PIBLKRV Sample ID: RV **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0088.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.203691
%SSR(DCB) : 91% (45-143) Conc.: 0.183697

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 2 | 54.43 | |
| 3.50 | 3.51 | 3.54 | 5838.798 | 0.009643 | | | 3 |
| 3.96 | 3.99 | 4.00 | 2115.866 | 0.004283 | | | 6 |
| Height Summation: | | | **7954.664** | | | | |
| Amount Avg CF: | | | **0.006963** | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.12 | 3.13 | 3.16 | 81325.95 | 0.374339 | | | 2 |
| Height Summation: | | | **81325.95** | | | | |
| Amount Avg CF: | | | **0.374339** | Linear: | | | |
| **Aroclor-1232** | | | | | 2 | 43.00 | |
| 3.50 | 3.51 | 3.54 | 5838.798 | 0.021178 | | | 3 |
| 3.96 | 3.99 | 4.00 | 2115.866 | 0.011303 | | | 6 |
| Height Summation: | | | **7954.664** | | | | |
| Amount Avg CF: | | | **0.016241** | Linear: | | | |
| **Aroclor-1242** | | | | | 2 | 54.60 | |
| 3.50 | 3.51 | 3.54 | 5838.798 | 0.00724 | | | 3 |
| 3.96 | 3.99 | 4.00 | 2115.866 | 0.003207 | | | 6 |
| Height Summation: | | | **7954.664** | | | | |
| Amount Avg CF: | | | **0.005223** | Linear: | | | |
| **Aroclor-1248** | | | | | 4 | 63.33 | |
| 3.84 | 3.85 | 3.88 | 1157.917 | 0.001885 | | | 3 |
| 3.96 | 3.99 | 4.00 | 2115.866 | 0.00307 | | | 4 |
| 4.05 | 4.06 | 4.09 | 1839.368 | 0.002949 | | | 5 |
| 4.23 | 4.25 | 4.27 | 5091.598 | 0.007344 | | | 6 |
| Height Summation: | | | **10204.749** | | | | |
| Amount Avg CF: | | | **0.003812** | Linear: | | | |
| **Aroclor-1254** | | | | | 4 | 35.81 | |
| 4.21 | 4.22 | 4.25 | 4279.516 | 0.00551 | | | 1 |
| 4.32 | 4.32 | 4.36 | 1806.916 | 0.006969 | | | 2 |
| 5.02 | 5.04 | 5.06 | 1551.483 | 0.002594 | | | 5 |
| 5.14 | 5.16 | 5.18 | 5092.534 | 0.005306 | | | 6 |
| Height Summation: | | | **12730.449** | | | | |
| Amount Avg CF: | | | **0.005095** | Linear: | | | |
| **Aroclor-1260** | | | | | 5 | 14.26 | |
| + 4.74 | 4.74 | 4.78 | 1229.436 | 0.001061 | | | 1 |
| 4.74 | 4.76 | 4.78 | 3240.757 | 0.002795 | | | 1 |
| 4.94 | 4.96 | 4.98 | 4436.441 | 0.003785 | | | 2 |
| 5.14 | 5.16 | 5.18 | 5092.534 | 0.003573 | | | 3 |
| 5.37 | 5.39 | 5.41 | 2316.792 | 0.002938 | | | 4 |
| 5.81 | 5.83 | 5.85 | 4770.998 | 0.002861 | | | 6 |
| Height Summation: | | | **19857.522** | | | | |
| Amount Avg CF: | | | **0.003191** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0088.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 110% (53-140) Conc.: 0.221736
%SSR(DCB) : 92% (45-143) Conc.: 0.184746

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 1 | | |
| 3.61 | 3.63 | 3.65 | 3445.659 | 0.004207 | | | 6 |
| Height Summation: | | | **3445.659** | | | | |
| Amount Avg CF: | | | **0.004207** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 135.40 | |
| 2.74 | 2.76 | 2.78 | 4357.623 | 0.010393 | | | 1 |
| 2.80 | 2.81 | 2.84 | 124561.1 | 0.477431 | | | 2 |
| Height Summation: | | | **128918.723** | | | | |
| Amount Avg CF: | | | **0.243912** | Linear: | | | |
| **Aroclor-1232** | | | | | 1 | | |
| 3.61 | 3.63 | 3.65 | 3445.659 | 0.01063 | | | 6 |
| Height Summation: | | | **3445.659** | | | | |
| Amount Avg CF: | | | **0.01063** | Linear: | | | |
| **Aroclor-1242** | | | | | 1 | | |
| 3.61 | 3.63 | 3.65 | 3445.659 | 0.003146 | | | 6 |
| Height Summation: | | | **3445.659** | | | | |
| Amount Avg CF: | | | **0.003146** | Linear: | | | |
| **Aroclor-1248** | | | | | 3 | 9.03 | |
| 3.49 | 3.51 | 3.53 | 3081.086 | 0.003318 | | | 3 |
| 3.61 | 3.63 | 3.65 | 3445.659 | 0.003123 | | | 4 |
| 3.84 | 3.86 | 3.88 | 5616.743 | 0.003722 | | | 6 |
| Height Summation: | | | **12143.488** | | | | |
| Amount Avg CF: | | | **0.003388** | Linear: | | | |
| **Aroclor-1254** | | | | | 5 | 47.12 | |
| 4.19 | 4.21 | 4.23 | 4353.384 | 0.001913 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5094.048 | 0.004631 | | | 2 |
| 4.42 | 4.44 | 4.46 | 5409.06 | 0.006002 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1971.876 | 0.002007 | | | 5 |
| 4.65 | 4.67 | 4.69 | 7886.856 | 0.004828 | | | 6 |
| Height Summation: | | | **24715.224** | | | | |
| Amount Avg CF: | | | **0.003876** | Linear: | | | |
| **Aroclor-1260** | | | | | 5 | 39.42 | |
| 4.42 | 4.44 | 4.46 | 5409.06 | 0.002622 | | | 1 |
| 4.52 | 4.56 | 4.56 | 8581.935 | 0.005543 | | | 2 |
| 4.65 | 4.67 | 4.69 | 7886.856 | 0.004032 | | | 3 |
| 4.87 | 4.89 | 4.91 | 4050.947 | 0.00302 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6576.753 | 0.002089 | | | 5 |
| Height Summation: | | | **32505.551** | | | | |
| Amount Avg CF: | | | **0.003461** | Linear: | | | |
| **Aroclor-1262** | | | | | 4 | 20.47 | |
| 4.68 | 4.70 | 4.72 | 2511.094 | 0.001183 | | | 1 |
| 4.87 | 4.89 | 4.91 | 4050.947 | 0.001946 | | | 2 |
| 5.06 | 5.08 | 5.10 | 6576.753 | 0.001582 | | | 3 |
| 5.71 | 5.72 | 5.74 | 2911.378 | 0.001807 | | | 6 |
| Height Summation: | | | **16050.172** | | | | |
| Amount Avg CF: | | | **0.001629** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKRV Sample ID: RV **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0088.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **3** | **22.09** | |
| 5.37 | 5.39 | 5.41 | 2316.792 | 0.002162 | | | 2 |
| 5.81 | 5.83 | 5.85 | 4770.998 | 0.002155 | | | 4 |
| 6.24 | 6.26 | 6.28 | 3457.587 | 0.003105 | | | 6 |

Height Summation: **10545.377**
Amount Avg CF: **0.002474** Linear:

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **5** | **138.14** | |
| 5.81 | 5.83 | 5.85 | 4770.998 | 0.001113 | | | 1 |
| 6.00 | 6.02 | 6.04 | 45521.1 | 0.013621 | | | 3 |
| 6.06 | 6.08 | 6.10 | 38923.52 | 0.046648 | | | 4 |
| 6.23 | 6.26 | 6.27 | 3457.587 | 0.002839 | | | 5 |
| 6.43 | 6.46 | 6.47 | 39756.24 | 0.004577 | | | 6 |

Height Summation: **132429.445**
Amount Avg CF: **0.01376** Linear:

## Analysis Report (B)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0088.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **4** | **122.19** | |
| 5.48 | 5.50 | 5.52 | 52870.36 | 0.012295 | | | 3 |
| 5.55 | 5.57 | 5.59 | 48346.62 | 0.043309 | | | 4 |
| 5.70 | 5.72 | 5.74 | 2911.378 | 0.001616 | | | 5 |
| 5.90 | 5.93 | 5.94 | 71334.61 | 0.005051 | | | 6 |

Height Summation: **175462.968**
Amount Avg CF: **0.015568** Linear:

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | ** 49.34 | 4 | 40 | |
| Aroclor-1221 | | | | | | ** 42.19 | 3 | 40 | |
| Aroclor-1232 | | | | | | ** 41.76 | 4 | 40 | |
| Aroclor-1242 | | | | | | ** 49.64 | 4 | 40 | |
| Aroclor-1248 | | | | | | 11.78 | 4 | 40 | |
| Aroclor-1254 | | | | | | 27.16 | 4 | 40 | |
| Aroclor-1260 | | | | | | 8.14 | 4 | 40 | |
| Aroclor-1262 | | | | | | ** 41.18 | 4 | 40 | |
| Aroclor-1268 | | | | | | 12.33 | 4 | 40 | |

Units: ug/kg

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274A  Date Analyzed: 10/19/17

GC Column (1) : MR-1  ID: .32 (mm)  Time Analyzed: 20:10

Lab File ID: 25PCBS17289004.005.RAW  Initial Calibration: 25PCBS1728901

Lab Standard ID: AR164NR  Init. Calib Date(s): 10/16/17  10/16/17

Calibration: 25PCBS1728901

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 44.02 | 40.00 | 10 |
| Decachlorobiphenyl | 6.59 | 6.56 | 6.62 | 40.01 | 40.24 | -1 |
| Aroclor-1016 | 3.18 | 3.16 | 3.20 | 213.86 | 202.00 | 6 |
| | 3.39 | 3.37 | 3.41 | 211.02 | 202.00 | 4 |
| | 3.51 | 3.49 | 3.53 | 220.73 | 202.00 | 9 |
| | 3.72 | 3.70 | 3.74 | 219.02 | 202.00 | 8 |
| | 3.78 | 3.76 | 3.80 | 210.06 | 202.00 | 4 |
| | 3.97 | 3.95 | 3.99 | 210.48 | 202.00 | 4 |
| Aroclor-1260 | 4.75 | 4.73 | 4.77 | 206.79 | 201.64 | 3 |
| | 4.95 | 4.93 | 4.97 | 205.86 | 201.64 | 2 |
| | 5.15 | 5.13 | 5.17 | 216.64 | 201.64 | 7 |
| | 5.38 | 5.36 | 5.40 | 210.32 | 201.64 | 4 |
| | 5.61 | 5.60 | 5.64 | 208.31 | 201.64 | 3 |
| | 5.82 | 5.80 | 5.84 | 209.82 | 201.64 | 4 |

Compounds 14  Average of %D: 5

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/19/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 20:10

Lab File ID: 25PCBS17289004B.005.RAW Initial Calibration: 25PCBS1728901B

Lab Standard ID: AR164NR Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.61 | 2.58 | 2.64 | 42.99 | 40.00 | 7 |
| Decachlorobiphenyl | 6.09 | 6.07 | 6.13 | 41.55 | 40.24 | 3 |
| Aroclor-1016 | 2.90 | 2.88 | 2.92 | 210.53 | 202.00 | 4 |
| | 3.22 | 3.21 | 3.25 | 215.54 | 202.00 | 7 |
| | 3.42 | 3.40 | 3.44 | 216.14 | 202.00 | 7 |
| | 3.49 | 3.47 | 3.51 | 210.17 | 202.00 | 4 |
| | 3.55 | 3.53 | 3.57 | 217.57 | 202.00 | 8 |
| | 3.65 | 3.63 | 3.67 | 212.40 | 202.00 | 5 |
| Aroclor-1260 | 4.46 | 4.44 | 4.48 | 212.38 | 201.64 | 5 |
| | 4.56 | 4.54 | 4.58 | 223.81 | 201.64 | 11 |
| | 4.69 | 4.67 | 4.71 | 224.89 | 201.64 | 12 |
| | 4.91 | 4.89 | 4.93 | 215.22 | 201.64 | 7 |
| | 5.10 | 5.08 | 5.12 | 208.98 | 201.64 | 4 |
| | 5.36 | 5.34 | 5.38 | 211.74 | 201.64 | 5 |

Compounds 14 Average of %D: 6

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKWM Sample ID: WM **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274A
Result file : 25PCBS17289004.006.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 0.210911
%SSR(DCB) : 99% (48-164) Conc.: 0.199769

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **4** | **37.06** | |
| 3.37 | 3.38 | 3.41 | 929.9246 | 0.003984 | | | 2 |
| + 3.49 | 3.49 | 3.53 | 206.5305 | 0.00072 | | | 3 |
| 3.49 | 3.50 | 3.53 | 530.3215 | 0.001849 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1797.841 | 0.005082 | | | 4 |
| 3.95 | 3.98 | 3.99 | 807.697 | 0.003575 | | | 6 |
| Height Summation: | | | **4065.7841** | | | | |
| Amount Avg CF: | | | **0.003623** | Linear: | | | |
| **Aroclor-1221** | | | | | **2** | **138.16** | |
| 3.06 | 3.09 | 3.10 | 513.8156 | 0.003947 | | | 1 |
| 3.11 | 3.13 | 3.15 | 38938.1 | 0.338514 | | | 2 |
| Height Summation: | | | **39451.9156** | | | | |
| Amount Avg CF: | | | **0.171231** | Linear: | | | |
| **Aroclor-1232** | | | | | **4** | **35.39** | |
| 3.38 | 3.38 | 3.42 | 929.9246 | 0.008691 | | | 2 |
| + 3.49 | 3.49 | 3.53 | 206.5305 | 0.001553 | | | 3 |
| 3.49 | 3.50 | 3.53 | 530.3215 | 0.003989 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1797.841 | 0.010642 | | | 4 |
| 3.95 | 3.98 | 3.99 | 807.697 | 0.008552 | | | 6 |
| Height Summation: | | | **4065.7841** | | | | |
| Amount Avg CF: | | | **0.007968** | Linear: | | | |
| **Aroclor-1242** | | | | | **4** | **37.31** | |
| 3.38 | 3.38 | 3.42 | 929.9246 | 0.005053 | | | 2 |
| + 3.49 | 3.49 | 3.53 | 206.5305 | 0.000891 | | | 3 |
| 3.49 | 3.50 | 3.53 | 530.3215 | 0.002287 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1797.841 | 0.006344 | | | 4 |
| 3.95 | 3.98 | 3.99 | 807.697 | 0.004464 | | | 6 |
| Height Summation: | | | **4065.7841** | | | | |
| Amount Avg CF: | | | **0.004537** | Linear: | | | |
| **Aroclor-1248** | | | | | **3** | **79.63** | |
| 3.71 | 3.72 | 3.75 | 1797.841 | 0.011825 | | | 1 |
| 3.96 | 3.98 | 4.00 | 807.697 | 0.002445 | | | 4 |
| 4.04 | 4.08 | 4.08 | 1222.65 | 0.004385 | | | 5 |
| Height Summation: | | | **3828.188** | | | | |
| Amount Avg CF: | | | **0.006218** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **59.09** | |
| + 4.54 | 4.54 | 4.58 | 414.3846 | 0.001126 | | | 1 |
| 4.54 | 4.56 | 4.58 | 923.3203 | 0.002509 | | | 1 |
| 4.61 | 4.61 | 4.64 | 3407.481 | 0.004773 | | | 2 |
| 4.73 | 4.75 | 4.77 | 837.405 | 0.003656 | | | 3 |
| 4.82 | 4.84 | 4.86 | 746.2986 | 0.001434 | | | 4 |
| 5.01 | 5.03 | 5.05 | 445.0045 | 0.001153 | | | 5 |
| 5.13 | 5.15 | 5.17 | 714.3372 | 0.001362 | | | 6 |
| Height Summation: | | | **7073.8466** | | | | |
| Amount Avg CF: | | | **0.002481** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274B
Result file : 25PCBS17289004B.006.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 0.202743
%SSR(DCB) : 98% (48-164) Conc.: 0.198011

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **5** | **23.70** | |
| 3.21 | 3.21 | 3.25 | 942.3257 | 0.001756 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 680.8897 | 0.001269 | | | 2 |
| 3.40 | 3.41 | 3.44 | 832.7618 | 0.00142 | | | 3 |
| + 3.40 | 3.44 | 3.44 | 538.2401 | 0.000918 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 582.3861 | 0.000905 | | | 4 |
| 3.47 | 3.49 | 3.51 | 1678.876 | 0.002608 | | | 4 |
| + 3.53 | 3.54 | 3.57 | 708.2432 | 0.001501 | | | 5 |
| + 3.53 | 3.55 | 3.57 | 382.7665 | 0.000811 | | | 5 |
| 3.53 | 3.56 | 3.57 | 1056.021 | 0.002238 | | | 5 |
| 3.63 | 3.66 | 3.67 | 1010.008 | 0.001779 | | | 6 |
| + 3.63 | 3.67 | 3.67 | 630.311 | 0.00111 | | | 6 |
| Height Summation: | | | **5519.9925** | | | | |
| Amount Avg CF: | | | **0.00196** | Linear: | | | |
| **Aroclor-1221** | | | | | **1** | | |
| 2.83 | 2.83 | 2.87 | 77077.23 | 0.469021 | | | 2 |
| + 2.83 | 2.86 | 2.87 | 1572.378 | 0.009568 | | | 2 |
| Height Summation: | | | **77077.23** | | | | |
| Amount Avg CF: | | | **0.469021** | Linear: | | | |
| **Aroclor-1232** | | | | | **5** | **27.20** | |
| 3.21 | 3.21 | 3.25 | 942.3257 | 0.003701 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 680.8897 | 0.002674 | | | 2 |
| 3.40 | 3.41 | 3.44 | 832.7618 | 0.003013 | | | 3 |
| + 3.40 | 3.44 | 3.44 | 538.2401 | 0.001948 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 582.3861 | 0.002069 | | | 4 |
| 3.47 | 3.49 | 3.51 | 1678.876 | 0.005964 | | | 4 |
| + 3.53 | 3.54 | 3.57 | 708.2432 | 0.003633 | | | 5 |
| + 3.53 | 3.55 | 3.57 | 382.7665 | 0.001963 | | | 5 |
| 3.53 | 3.56 | 3.57 | 1056.021 | 0.005416 | | | 5 |
| 3.63 | 3.66 | 3.67 | 1010.008 | 0.004227 | | | 6 |
| + 3.63 | 3.67 | 3.67 | 630.311 | 0.002638 | | | 6 |
| Height Summation: | | | **5519.9925** | | | | |
| Amount Avg CF: | | | **0.004464** | Linear: | | | |
| **Aroclor-1242** | | | | | **5** | **23.59** | |
| 3.21 | 3.21 | 3.25 | 942.3257 | 0.002208 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 680.8897 | 0.001596 | | | 2 |
| 3.40 | 3.41 | 3.44 | 832.7618 | 0.001772 | | | 3 |
| + 3.40 | 3.44 | 3.44 | 538.2401 | 0.001145 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 582.3861 | 0.001122 | | | 4 |
| 3.47 | 3.49 | 3.51 | 1678.876 | 0.003235 | | | 4 |
| + 3.53 | 3.54 | 3.57 | 708.2432 | 0.001884 | | | 5 |
| + 3.53 | 3.55 | 3.57 | 382.7665 | 0.001018 | | | 5 |
| 3.53 | 3.56 | 3.57 | 1056.021 | 0.002809 | | | 5 |
| 3.63 | 3.66 | 3.67 | 1010.008 | 0.002196 | | | 6 |
| + 3.63 | 3.67 | 3.67 | 630.311 | 0.00137 | | | 6 |
| Height Summation: | | | **5519.9925** | | | | |
| Amount Avg CF: | | | **0.002444** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17** 24B PIBLKWM Sample ID: WM **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274A
Result file : 25PCBS17289004.006.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **5** | **73.20** | |
| 4.73 | 4.75 | 4.77 | 837.405 | 0.001622 | | | 1 |
| 4.93 | 4.97 | 4.97 | 4085.312 | 0.00652 | | | 2 |
| 5.13 | 5.15 | 5.17 | 714.3372 | 0.000917 | | | 3 |
| 5.36 | 5.38 | 5.40 | 1372.628 | 0.003454 | | | 4 |
| 5.80 | 5.82 | 5.84 | 1595.943 | 0.002433 | | | 6 |
| Height Summation: | | | **8605.6252** | | | | |
| Amount Avg CF: | | | **0.002989** | Linear: | | | |
| **Aroclor-1262** | | | | | **5** | **83.35** | |
| 5.20 | 5.22 | 5.24 | 455.5524 | 0.000723 | | | 1 |
| 5.36 | 5.38 | 5.40 | 1372.628 | 0.002588 | | | 2 |
| 5.80 | 5.82 | 5.84 | 1595.943 | 0.001852 | | | 4 |
| 5.86 | 5.88 | 5.90 | 503.4032 | 0.001202 | | | 5 |
| 6.23 | 6.24 | 6.27 | 3037.279 | 0.005877 | | | 6 |
| Height Summation: | | | **6964.8056** | | | | |
| Amount Avg CF: | | | **0.002448** | Linear: | | | |
| **Aroclor-1268** | | | | | **6** | **171.54** | |
| 5.80 | 5.82 | 5.84 | 1595.943 | 0.001048 | | | 1 |
| 5.86 | 5.88 | 5.90 | 503.4032 | 0.000381 | | | 2 |
| 5.99 | 6.01 | 6.03 | 32632.54 | 0.027506 | | | 3 |
| 6.06 | 6.07 | 6.10 | 35425.51 | 0.111654 | | | 4 |
| 6.23 | 6.24 | 6.27 | 3037.279 | 0.005693 | | | 5 |
| 6.43 | 6.45 | 6.47 | 24917.64 | 0.005698 | | | 6 |
| Height Summation: | | | **98112.3152** | | | | |
| Amount Avg CF: | | | **0.02533** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274B
Result file : 25PCBS17289004B.006.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **56.35** | |
| 3.40 | 3.41 | 3.44 | 832.7618 | 0.003451 | | | 1 |
| + 3.40 | 3.44 | 3.44 | 538.2401 | 0.002231 | | | 1 |
| + 3.47 | 3.48 | 3.51 | 582.3861 | 0.00158 | | | 2 |
| 3.47 | 3.49 | 3.51 | 1678.876 | 0.004555 | | | 2 |
| * 3.51 | 3.51 | 3.55 | 1195.056 | 0.001889 | | | 3 |
| +* 3.47 | 3.51 | 3.51 | 1195.056 | 0.003242 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 1013.065 | 0.001601 | | | 3 |
| + 3.51 | 3.54 | 3.55 | 708.2432 | 0.001119 | | | 3 |
| + 3.51 | 3.55 | 3.55 | 382.7665 | 0.000605 | | | 3 |
| 3.63 | 3.66 | 3.67 | 1010.008 | 0.001278 | | | 4 |
| + 3.63 | 3.67 | 3.67 | 630.311 | 0.000798 | | | 4 |
| + 3.72 | 3.73 | 3.76 | 741.5815 | 0.001298 | | | 5 |
| 3.72 | 3.74 | 3.76 | 1152.981 | 0.002018 | | | 5 |
| + 3.72 | 3.76 | 3.76 | 767.8045 | 0.001344 | | | 5 |
| 3.86 | 3.88 | 3.90 | 1191.092 | 0.001124 | | | 6 |
| Height Summation: | | | **7060.7748** | | | | |
| Amount Avg CF: | | | **0.002386** | Linear: | | | |
| **Aroclor-1254** | | | | | **4** | **26.22** | |
| 4.22 | 4.23 | 4.26 | 3172.803 | 0.001981 | | | 2 |
| 4.31 | 4.33 | 4.35 | 1488.313 | 0.001993 | | | 3 |
| 4.59 | 4.62 | 4.63 | 1962.709 | 0.00264 | | | 5 |
| 4.67 | 4.71 | 4.71 | 1514.24 | 0.00136 | | | 6 |
| Height Summation: | | | **8138.065** | | | | |
| Amount Avg CF: | | | **0.001994** | Linear: | | | |
| **Aroclor-1260** | | | | | **3** | **50.19** | |
| 4.67 | 4.71 | 4.71 | 1514.24 | 0.001147 | | | 3 |
| 4.89 | 4.91 | 4.93 | 2382.027 | 0.002719 | | | 4 |
| 5.08 | 5.10 | 5.12 | 2774.138 | 0.001306 | | | 5 |
| Height Summation: | | | **6670.405** | | | | |
| Amount Avg CF: | | | **0.001724** | Linear: | | | |
| **Aroclor-1262** | | | | | **5** | **54.84** | |
| 4.70 | 4.71 | 4.74 | 1514.24 | 0.00109 | | | 1 |
| 4.89 | 4.91 | 4.93 | 2382.027 | 0.001748 | | | 2 |
| 5.09 | 5.10 | 5.13 | 2774.138 | 0.000939 | | | 3 |
| + 5.30 | 5.32 | 5.34 | 1028.8 | 0.000895 | | | 4 |
| 5.30 | 5.33 | 5.34 | 3802.102 | 0.003309 | | | 4 |
| 5.72 | 5.74 | 5.76 | 2032.726 | 0.001526 | | | 6 |
| Height Summation: | | | **12505.233** | | | | |
| Amount Avg CF: | | | **0.001722** | Linear: | | | |
| **Aroclor-1268** | | | | | **5** | **160.26** | |
| + 5.30 | 5.32 | 5.34 | 1028.8 | 0.000285 | | | 1 |
| 5.30 | 5.33 | 5.34 | 3802.102 | 0.001053 | | | 1 |
| 5.50 | 5.52 | 5.54 | 75807.68 | 0.023463 | | | 3 |
| 5.57 | 5.58 | 5.61 | 78452.64 | 0.096461 | | | 4 |
| 5.72 | 5.74 | 5.76 | 2032.726 | 0.001311 | | | 5 |
| 5.92 | 5.94 | 5.96 | 69004.5 | 0.004892 | | | 6 |
| Height Summation: | | | **229099.648** | | | | |
| Amount Avg CF: | | | **0.025436** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKWM Sample ID: WM **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274A
Result file : 25PCBS17289004.006.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 19, 2017 20:22:09
Instrument : CP25--18274B
Result file : 25PCBS17289004B.006.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | ** 59.55 | 4 | 40 | |
| Aroclor-1221 | | | | | | ** 93.02 | 3 | 5 | |
| Aroclor-1232 | | | | | | ** 56.37 | 4 | 10 | |
| Aroclor-1242 | | | | | | ** 59.96 | 4 | 30 | |
| Aroclor-1248 | | | | | | ** 89.08 | 4 | 40 | |
| Aroclor-1254 | | | | | | 21.80 | 4 | 40 | |
| Aroclor-1260 | | | | | | ** 53.69 | 4 | 40 | |
| Aroclor-1262 | | | | | | 34.82 | 4 | 40 | |
| Aroclor-1268 | | | | | | 0.42 | 4 | 40 | |

Units: ug/kg

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 10/19/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:30

Lab File ID: 25PCBS17289004.012.RAW Initial Calibration: 25PCBS1728901

Lab Standard ID: AR164NS Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 41.57 | 40.00 | 4 |
| Decachlorobiphenyl | 6.60 | 6.56 | 6.62 | 41.44 | 40.24 | 3 |
| Aroclor-1016 | 3.18 | 3.16 | 3.20 | 200.38 | 202.00 | -1 |
| | 3.39 | 3.37 | 3.41 | 203.21 | 202.00 | 1 |
| | 3.51 | 3.49 | 3.53 | 206.94 | 202.00 | 2 |
| | 3.72 | 3.70 | 3.74 | 213.63 | 202.00 | 6 |
| | 3.78 | 3.76 | 3.80 | 208.00 | 202.00 | 3 |
| | 3.97 | 3.95 | 3.99 | 206.41 | 202.00 | 2 |
| Aroclor-1260 | 4.75 | 4.73 | 4.77 | 204.82 | 201.64 | 2 |
| | 4.95 | 4.93 | 4.97 | 203.09 | 201.64 | 1 |
| | 5.15 | 5.13 | 5.17 | 208.77 | 201.64 | 4 |
| | 5.38 | 5.36 | 5.40 | 209.31 | 201.64 | 4 |
| | 5.62 | 5.60 | 5.64 | 207.04 | 201.64 | 3 |
| | 5.82 | 5.80 | 5.84 | 204.70 | 201.64 | 2 |

Compounds 14 Average of %D: 3

# 7E
# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/19/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:30

Lab File ID: 25PCBS17289004B.012.RAW Initial Calibration: 25PCBS1728901B

Lab Standard ID: AR164NS Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.61 | 2.58 | 2.64 | 42.53 | 40.00 | 6 |
| Decachlorobiphenyl | 6.10 | 6.07 | 6.13 | 40.62 | 40.24 | 1 |
| Aroclor-1016 | 2.90 | 2.88 | 2.92 | 205.55 | 202.00 | 2 |
| | 3.22 | 3.21 | 3.25 | 203.90 | 202.00 | 1 |
| | 3.42 | 3.40 | 3.44 | 207.99 | 202.00 | 3 |
| | 3.49 | 3.47 | 3.51 | 208.60 | 202.00 | 3 |
| | 3.55 | 3.53 | 3.57 | 212.58 | 202.00 | 5 |
| | 3.65 | 3.63 | 3.67 | 205.54 | 202.00 | 2 |
| Aroclor-1260 | 4.46 | 4.44 | 4.48 | 212.20 | 201.64 | 5 |
| | 4.56 | 4.54 | 4.58 | 218.32 | 201.64 | 8 |
| | 4.69 | 4.67 | 4.71 | 214.90 | 201.64 | 7 |
| | 4.91 | 4.89 | 4.93 | 216.94 | 201.64 | 8 |
| | 5.10 | 5.08 | 5.12 | 211.08 | 201.64 | 5 |
| | 5.36 | 5.34 | 5.38 | 208.49 | 201.64 | 3 |

Compounds 14 Average of %D: 4

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17** 24B PIBLKWN Sample ID: WN **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274A
Result file : 25PCBS17289004.013.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 0.21198
%SSR(DCB) : 101% (48-164) Conc.: 0.202926

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **5** | **30.41** | |
| 3.16 | 3.18 | 3.20 | 537.551 | 0.002271 | | | 1 |
| 3.37 | 3.38 | 3.41 | 835.8145 | 0.003581 | | | 2 |
| 3.49 | 3.51 | 3.53 | 758.0726 | 0.002643 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1747.005 | 0.004939 | | | 4 |
| + 3.95 | 3.97 | 3.99 | 461.8882 | 0.002045 | | | 6 |
| 3.95 | 3.99 | 3.99 | 803.6827 | 0.003557 | | | 6 |
| Height Summation: | | | **4682.1258** | | | | |
| Amount Avg CF: | | | **0.003398** | Linear: | | | |
| **Aroclor-1221** | | | | | **3** | **169.64** | |
| 3.06 | 3.08 | 3.10 | 410.0148 | 0.00315 | | | 1 |
| 3.11 | 3.13 | 3.15 | 38362.19 | 0.333508 | | | 2 |
| 3.16 | 3.18 | 3.20 | 537.551 | 0.001495 | | | 3 |
| Height Summation: | | | **39309.7558** | | | | |
| Amount Avg CF: | | | **0.112718** | Linear: | | | |
| **Aroclor-1232** | | | | | **5** | **47.12** | |
| 3.16 | 3.18 | 3.20 | 537.551 | 0.001898 | | | 1 |
| 3.38 | 3.38 | 3.42 | 835.8145 | 0.007811 | | | 2 |
| 3.49 | 3.51 | 3.53 | 758.0726 | 0.005701 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1747.005 | 0.010341 | | | 4 |
| + 3.95 | 3.97 | 3.99 | 461.8882 | 0.00489 | | | 6 |
| 3.95 | 3.99 | 3.99 | 803.6827 | 0.008509 | | | 6 |
| Height Summation: | | | **4682.1258** | | | | |
| Amount Avg CF: | | | **0.006852** | Linear: | | | |
| **Aroclor-1242** | | | | | **5** | **31.28** | |
| 3.16 | 3.18 | 3.20 | 537.551 | 0.002745 | | | 1 |
| 3.38 | 3.38 | 3.42 | 835.8145 | 0.004542 | | | 2 |
| 3.49 | 3.51 | 3.53 | 758.0726 | 0.00327 | | | 3 |
| 3.70 | 3.72 | 3.74 | 1747.005 | 0.006165 | | | 4 |
| + 3.95 | 3.97 | 3.99 | 461.8882 | 0.002553 | | | 6 |
| 3.95 | 3.99 | 3.99 | 803.6827 | 0.004441 | | | 6 |
| Height Summation: | | | **4682.1258** | | | | |
| Amount Avg CF: | | | **0.004232** | Linear: | | | |
| **Aroclor-1248** | | | | | **3** | **103.05** | |
| 3.71 | 3.72 | 3.75 | 1747.005 | 0.01149 | | | 1 |
| 3.83 | 3.85 | 3.87 | 520.4572 | 0.001831 | | | 3 |
| + 3.96 | 3.97 | 4.00 | 461.8882 | 0.001398 | | | 4 |
| 3.96 | 3.99 | 4.00 | 803.6827 | 0.002433 | | | 4 |
| Height Summation: | | | **3071.1449** | | | | |
| Amount Avg CF: | | | **0.005251** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274B
Result file : 25PCBS17289004B.013.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 0.213356
%SSR(DCB) : 98% (48-164) Conc.: 0.198069

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **5** | **92.88** | |
| 3.21 | 3.21 | 3.25 | 905.7415 | 0.001688 | | | 2 |
| + 3.21 | 3.22 | 3.25 | 706.0005 | 0.001316 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 740.1196 | 0.00138 | | | 2 |
| + 3.21 | 3.24 | 3.25 | 663.0917 | 0.001236 | | | 2 |
| 3.40 | 3.41 | 3.44 | 1186.237 | 0.002023 | | | 3 |
| + 3.40 | 3.42 | 3.44 | 666.4695 | 0.001137 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 564.7903 | 0.000878 | | | 4 |
| 3.47 | 3.48 | 3.51 | 1092.219 | 0.001697 | | | 4 |
| + 3.47 | 3.49 | 3.51 | 955.1044 | 0.001484 | | | 4 |
| 3.53 | 3.56 | 3.57 | 4404.36 | 0.009334 | | | 5 |
| 3.63 | 3.64 | 3.67 | 1659.833 | 0.002923 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 557.1973 | 0.000981 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 484.3908 | 0.000853 | | | 6 |
| + 3.63 | 3.66 | 3.67 | 714.9382 | 0.001259 | | | 6 |
| Height Summation: | | | **9248.3905** | | | | |
| Amount Avg CF: | | | **0.003533** | Linear: | | | |
| **Aroclor-1221** | | | | | **2** | **136.12** | |
| 2.77 | 2.78 | 2.81 | 2435.548 | 0.009139 | | | 1 |
| 2.83 | 2.83 | 2.87 | 78566.23 | 0.478082 | | | 2 |
| + 2.83 | 2.86 | 2.87 | 1065.783 | 0.006485 | | | 2 |
| Height Summation: | | | **81001.778** | | | | |
| Amount Avg CF: | | | **0.243611** | Linear: | | | |
| **Aroclor-1232** | | | | | **5** | **98.46** | |
| 3.21 | 3.21 | 3.25 | 905.7415 | 0.003557 | | | 2 |
| + 3.21 | 3.22 | 3.25 | 706.0005 | 0.002773 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 740.1196 | 0.002907 | | | 2 |
| + 3.21 | 3.24 | 3.25 | 663.0917 | 0.002604 | | | 2 |
| 3.40 | 3.41 | 3.44 | 1186.237 | 0.004292 | | | 3 |
| + 3.40 | 3.42 | 3.44 | 666.4695 | 0.002412 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 564.7903 | 0.002006 | | | 4 |
| 3.47 | 3.48 | 3.51 | 1092.219 | 0.00388 | | | 4 |
| + 3.47 | 3.49 | 3.51 | 955.1044 | 0.003393 | | | 4 |
| 3.53 | 3.56 | 3.57 | 4404.36 | 0.02259 | | | 5 |
| 3.63 | 3.64 | 3.67 | 1659.833 | 0.006947 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 557.1973 | 0.002332 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 484.3908 | 0.002027 | | | 6 |
| + 3.63 | 3.66 | 3.67 | 714.9382 | 0.002992 | | | 6 |
| Height Summation: | | | **9248.3905** | | | | |
| Amount Avg CF: | | | **0.008253** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **IBLKX17** 24B PIBLKWN Sample ID: WN **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274A
Result file : 25PCBS17289004.013.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **37.92** | |
| 4.54 | 4.57 | 4.58 | 1193.757 | 0.003244 | | | 1 |
| 4.61 | 4.61 | 4.64 | 3441.767 | 0.004822 | | | 2 |
| 4.73 | 4.75 | 4.77 | 775.4318 | 0.003386 | | | 3 |
| 4.82 | 4.83 | 4.86 | 1026.86 | 0.001974 | | | 4 |
| 5.01 | 5.04 | 5.05 | 705.8354 | 0.001829 | | | 5 |
| 5.13 | 5.16 | 5.17 | 1278.825 | 0.002438 | | | 6 |
| Height Summation: | | | **8422.4762** | | | | |
| Amount Avg CF: | | | **0.002949** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **85.14** | |
| 4.73 | 4.75 | 4.77 | 775.4318 | 0.001502 | | | 1 |
| 4.93 | 4.94 | 4.97 | 416.7417 | 0.000665 | | | 2 |
| 5.13 | 5.16 | 5.17 | 1278.825 | 0.001642 | | | 3 |
| 5.36 | 5.38 | 5.40 | 2272.514 | 0.005718 | | | 4 |
| 5.60 | 5.62 | 5.64 | 860.7436 | 0.000802 | | | 5 |
| 5.80 | 5.82 | 5.84 | 2128.018 | 0.003244 | | | 6 |
| Height Summation: | | | **7732.2741** | | | | |
| Amount Avg CF: | | | **0.002262** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **71.62** | |
| 5.20 | 5.22 | 5.24 | 522.8165 | 0.00083 | | | 1 |
| 5.36 | 5.38 | 5.40 | 2272.514 | 0.004284 | | | 2 |
| 5.60 | 5.62 | 5.64 | 860.7436 | 0.000637 | | | 3 |
| 5.80 | 5.82 | 5.84 | 2128.018 | 0.002469 | | | 4 |
| 5.86 | 5.87 | 5.90 | 464.8319 | 0.00111 | | | 5 |
| 6.23 | 6.25 | 6.27 | 1879.92 | 0.003638 | | | 6 |
| Height Summation: | | | **8128.844** | | | | |
| Amount Avg CF: | | | **0.002161** | Linear: | | | |
| **Aroclor-1268** | | | | | **6** | **172.36** | |
| 5.80 | 5.82 | 5.84 | 2128.018 | 0.001398 | | | 1 |
| 5.86 | 5.87 | 5.90 | 464.8319 | 0.000352 | | | 2 |
| 5.99 | 6.01 | 6.03 | 31416.34 | 0.026481 | | | 3 |
| 6.06 | 6.08 | 6.10 | 32979.45 | 0.103945 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1879.92 | 0.003523 | | | 5 |
| 6.43 | 6.45 | 6.47 | 24096.35 | 0.00551 | | | 6 |
| Height Summation: | | | **92964.9099** | | | | |
| Amount Avg CF: | | | **0.023535** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274B
Result file : 25PCBS17289004B.013.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1242** | | | | | **5** | **93.48** | |
| 3.21 | 3.21 | 3.25 | 905.7415 | 0.002122 | | | 2 |
| + 3.21 | 3.22 | 3.25 | 706.0005 | 0.001654 | | | 2 |
| + 3.21 | 3.23 | 3.25 | 740.1196 | 0.001734 | | | 2 |
| + 3.21 | 3.24 | 3.25 | 663.0917 | 0.001554 | | | 2 |
| 3.40 | 3.41 | 3.44 | 1186.237 | 0.002524 | | | 3 |
| + 3.40 | 3.42 | 3.44 | 666.4695 | 0.001418 | | | 3 |
| + 3.47 | 3.48 | 3.51 | 564.7903 | 0.001088 | | | 4 |
| 3.47 | 3.48 | 3.51 | 1092.219 | 0.002105 | | | 4 |
| + 3.47 | 3.49 | 3.51 | 955.1044 | 0.001841 | | | 4 |
| 3.53 | 3.56 | 3.57 | 4404.36 | 0.011717 | | | 5 |
| 3.63 | 3.64 | 3.67 | 1659.833 | 0.003608 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 557.1973 | 0.001211 | | | 6 |
| + 3.63 | 3.65 | 3.67 | 484.3908 | 0.001053 | | | 6 |
| + 3.63 | 3.66 | 3.67 | 714.9382 | 0.001554 | | | 6 |
| Height Summation: | | | **9248.3905** | | | | |
| Amount Avg CF: | | | **0.004415** | Linear: | | | |
| **Aroclor-1248** | | | | | **6** | **35.75** | |
| 3.40 | 3.41 | 3.44 | 1186.237 | 0.004916 | | | 1 |
| + 3.40 | 3.42 | 3.44 | 666.4695 | 0.002762 | | | 1 |
| + 3.47 | 3.48 | 3.51 | 564.7903 | 0.001532 | | | 2 |
| 3.47 | 3.48 | 3.51 | 1092.219 | 0.002963 | | | 2 |
| + 3.47 | 3.49 | 3.51 | 955.1044 | 0.002591 | | | 2 |
| 3.51 | 3.53 | 3.55 | 2536.632 | 0.004009 | | | 3 |
| 3.63 | 3.64 | 3.67 | 1659.833 | 0.002101 | | | 4 |
| + 3.63 | 3.65 | 3.67 | 557.1973 | 0.000705 | | | 4 |
| + 3.63 | 3.65 | 3.67 | 484.3908 | 0.000613 | | | 4 |
| + 3.63 | 3.66 | 3.67 | 714.9382 | 0.000905 | | | 4 |
| 3.72 | 3.74 | 3.76 | 1104.152 | 0.001932 | | | 5 |
| + 3.72 | 3.75 | 3.76 | 959.9547 | 0.00168 | | | 5 |
| + 3.72 | 3.76 | 3.76 | 786.6046 | 0.001377 | | | 5 |
| 3.86 | 3.88 | 3.90 | 3356.818 | 0.003169 | | | 6 |
| Height Summation: | | | **10935.891** | | | | |
| Amount Avg CF: | | | **0.003182** | Linear: | | | |
| **Aroclor-1254** | | | | | **4** | **21.04** | |
| 4.22 | 4.24 | 4.26 | 2988.135 | 0.001866 | | | 2 |
| 4.31 | 4.33 | 4.35 | 2373.574 | 0.003178 | | | 3 |
| 4.38 | 4.38 | 4.41 | 2844.651 | 0.002756 | | | 4 |
| 4.59 | 4.62 | 4.63 | 2108.124 | 0.002836 | | | 5 |
| Height Summation: | | | **10314.484** | | | | |
| Amount Avg CF: | | | **0.002659** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: IBLKX17** 24B PIBLKWN Sample ID: WN **Batchnumber: 1729199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274A
Result file : 25PCBS17289004.013.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

## Analysis Report (B)

Injected on : Oct 19, 2017 21:41:49
Instrument : CP25--18274B
Result file : 25PCBS17289004B.013.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **5** | **46.30** | |
| 4.44 | 4.47 | 4.48 | 1390.995 | 0.000979 | | | 1 |
| 4.54 | 4.57 | 4.58 | 2798.806 | 0.002575 | | | 2 |
| 4.89 | 4.91 | 4.93 | 2781.998 | 0.003175 | | | 4 |
| + 5.08 | 5.08 | 5.12 | 1202.234 | 0.000566 | | | 5 |
| 5.08 | 5.10 | 5.12 | 2830.472 | 0.001333 | | | 5 |
| + 5.34 | 5.34 | 5.38 | 1119.628 | 0.000742 | | | 6 |
| 5.34 | 5.37 | 5.38 | 2579.556 | 0.001709 | | | 6 |
| Height Summation: | | | **12381.827** | | | | |
| Amount Avg CF: | | | | **0.001954** Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **41.16** | |
| 4.70 | 4.73 | 4.74 | 932.7358 | 0.000672 | | | 1 |
| 4.89 | 4.91 | 4.93 | 2781.998 | 0.002041 | | | 2 |
| 5.09 | 5.10 | 5.13 | 2830.472 | 0.000958 | | | 3 |
| 5.30 | 5.33 | 5.34 | 1043.112 | 0.000908 | | | 4 |
| 5.35 | 5.37 | 5.39 | 2579.556 | 0.001336 | | | 5 |
| + 5.72 | 5.72 | 5.76 | 1019.563 | 0.000766 | | | 6 |
| 5.72 | 5.74 | 5.76 | 1453.556 | 0.001091 | | | 6 |
| Height Summation: | | | **11621.4298** | | | | |
| Amount Avg CF: | | | | **0.001168** Linear: | | | |
| **Aroclor-1268** | | | | | **6** | **179.61** | |
| 5.30 | 5.33 | 5.34 | 1043.112 | 0.000289 | | | 1 |
| 5.35 | 5.37 | 5.39 | 2579.556 | 0.000728 | | | 2 |
| 5.50 | 5.52 | 5.54 | 69477.3 | 0.021504 | | | 3 |
| 5.57 | 5.59 | 5.61 | 73086.88 | 0.089864 | | | 4 |
| + 5.72 | 5.72 | 5.76 | 1019.563 | 0.000658 | | | 5 |
| 5.72 | 5.74 | 5.76 | 1453.556 | 0.000938 | | | 5 |
| 5.92 | 5.94 | 5.96 | 66214.46 | 0.004694 | | | 6 |
| Height Summation: | | | **213854.864** | | | | |
| Amount Avg CF: | | | | **0.019669** Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | 3.89 | 4 | 40 | |
| Aroclor-1221 | | | | | | ** 73.47 | 3 | 5 | |
| Aroclor-1232 | | | | | | 18.55 | 4 | 10 | |
| Aroclor-1242 | | | | | | 4.23 | 4 | 30 | |
| Aroclor-1248 | | | | | | ** 49.08 | 4 | 40 | |
| Aroclor-1254 | | | | | | 10.33 | 4 | 40 | |
| Aroclor-1260 | | | | | | 14.61 | 4 | 40 | |
| Aroclor-1262 | | | | | | ** 59.71 | 4 | 40 | |
| Aroclor-1268 | | | | | | 17.89 | 4 | 40 | |

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17284001
Instrument CP 7--19843A

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

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 07PCBS17284001.0001 | CONDITIONER | | 10/11/17 19:03 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0002 | CONDITIONER | | 10/11/17 19:14 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0003 | CONDITIONER | | 10/11/17 19:26 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0004 | CONDITIONER | | 10/11/17 19:37 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0005 | IBLKX1724B | PIBLKAA | 10/11/17 19:48 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0006 | EVALX1724A | EVALXAA | 10/11/17 20:00 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0007 | AR1611724B | AR161AA | 10/11/17 20:11 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0008 | AR1621724B | AR162AA | 10/11/17 20:23 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0009 | AR1631724B | AR163AA | 10/11/17 20:34 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0010 | AR1641724B | AR164AA | 10/11/17 20:45 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0011 | AR1651724B | AR165AA | 10/11/17 20:57 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0012 | AR1661724A | AR166AA | 10/11/17 21:08 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0013 | AR4811724C | AR481AA | 10/11/17 21:20 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0014 | AR4821724C | AR482AA | 10/11/17 21:31 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0015 | AR4831724C | AR483AA | 10/11/17 21:42 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0016 | AR4841724C | AR484AA | 10/11/17 21:54 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0017 | AR4851724C | AR485AA | 10/11/17 22:05 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0018 | AR4861724B | AR486AA | 10/11/17 22:17 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0019 | AR5411724C | AR541AA | 10/11/17 22:28 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0020 | AR5421724C | AR542AA | 10/11/17 22:40 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0021 | AR5431724C | AR543AA | 10/11/17 22:51 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0022 | AR5441724C | AR544AA | 10/11/17 23:03 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0023 | AR5451724C | AR545AA | 10/11/17 23:14 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0024 | AR5461724B | AR546AA | 10/11/17 23:25 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0025 | AR6231724A | AR623AA | 10/11/17 23:37 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0026 | AR6831724B | AR683AA | 10/11/17 23:48 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0027 | AR2131724A | AR213AA | 10/12/17 0:00 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0028 | AR3241724A | AR324AA | 10/12/17 0:11 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0029 | AR4231724A | AR423AA | 10/12/17 0:23 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0030 | MD16X1724B | MD16XAA | 10/12/17 0:34 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0031 | AR16XX1724B | AR16XAA | 10/12/17 0:46 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0032 | IC16X1724C | IC16XAA | 10/12/17 0:57 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0033 | IC48X1724B | IC48XAA | 10/12/17 1:09 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0034 | IC54X1724B | IC54XAA | 10/12/17 1:20 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0035 | 9238122MSD RI ACF | R5111 | 10/12/17 1:31 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0036 | 9238124 RI ACF | R5112 | 10/12/17 1:43 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0037 | 9238125 RI ACF | R5113 | 10/12/17 1:54 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0038 | 9238126 RI ACF | R5114 | 10/12/17 2:06 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0039 | 9238127 RI ACF | R5115 | 10/12/17 2:17 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0040 | 9238128 RI ACF | R5116 | 10/12/17 2:29 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0041 | 9238129 RI ACF | R5117 | 10/12/17 2:40 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0042 | 9238130 RI ACF | R5118 | 10/12/17 2:51 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0043 | 9238131 RI ACF | R5119 | 10/12/17 3:03 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0044 | 9238132 RI ACF | R5120 | 10/12/17 3:14 | 172770038A | 10.00 |
| 9065 | 07PCBS17284001.0045 | AR1641724B | AR164KU | 10/12/17 3:25 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0046 | IBLKX1724B | PIBLKRT | 10/12/17 3:37 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0047 | BLANKA 10/9/17 AC | IPBLK28282 | 10/12/17 3:48 | 172820028A | 10.00 |
| 9065 | 07PCBS17284001.0048 | LCSA 10/9/17 ACF | LCS28282 | 10/12/17 4:00 | 172820028A | 10.00 |
| 9065 | 07PCBS17284001.0049 | 9229478 ACF DF20 | C99A09 | 10/12/17 4:11 | 172820028A | 2,000.00 |
| 9065 | 07PCBS17284001.0050 | 9229478 ACF DF50 | C99A09 | 10/12/17 4:23 | 172820028A | 5,000.00 |
| 9065 | 07PCBS17284001.0051 | 9229479 ACF DF50 | 99A10 | 10/12/17 4:34 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0052 | 9229480 ACF DF50 | 99A11 | 10/12/17 4:45 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0053 | 9229480 ACF DF10 | C99A11 | 10/12/17 4:57 | 172820028A | 1,000.00 |
| 9065 | 07PCBS17284001.0054 | 9229481 ACF DF50 | 99A12 | 10/12/17 5:08 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0055 | 9229482 ACF DF20 | 99A13 | 10/12/17 5:19 | 172820028A | 200.00 |
| 9065 | 07PCBS17284001.0056 | 9229483 ACF DF10 | C99A14 | 10/12/17 5:31 | 172820028A | 1,000.00 |

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 07PCBS17284001.0057 | 9229484 ACF DF50 | 99A15 | 10/12/17 5:42 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0058 | 9229485MS ACF DF | 99A15 | 10/12/17 5:54 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0059 | 9229486MSD ACF D | 99A15 | 10/12/17 6:05 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0060 | 9229487 ACF DF50 | 99A16 | 10/12/17 6:17 | 172820028A | 500.00 |
| 9065 | 07PCBS17284001.0061 | 9229488 ACF DF20 | 99A17 | 10/12/17 6:28 | 172820028A | 200.00 |
| 9065 | 07PCBS17284001.0062 | 9229489 ACF DF10 | C99A18 | 10/12/17 6:39 | 172820028A | 1,000.00 |
| 9065 | 07PCBS17284001.0063 | 9229493 ACF DF50 | C01A01 | 10/12/17 6:51 | 172820028A | 5,000.00 |
| 9065 | 07PCBS17284001.0064 | 9229494 ACF DF50 | C01A02 | 10/12/17 7:02 | 172820028A | 5,000.00 |
| 9065 | 07PCBS17284001.0065 | 9229494 ACF DF10 | C01A02 | 10/12/17 7:14 | 172820028A | ######## |
| 9065 | 07PCBS17284001.0066 | BLANKA 10/9/17 AC | PBLK27282 | 10/12/17 7:25 | 172820027A | 10.00 |
| 9065 | 07PCBS17284001.0067 | AR1641724B | AR164KV | 10/12/17 7:37 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0068 | IBLKX1724B | PIBLKRU | 10/12/17 7:48 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0069 | LCSA 10/9/17 ACF | LCS27282 | 10/12/17 8:00 | 172820027A | 10.00 |
| 9065 | 07PCBS17284001.0070 | 9229463 ACF DF10 | 98A14 | 10/12/17 8:11 | 172820027A | 100.00 |
| 9065 | 07PCBS17284001.0071 | 9229464 ACF DF50 | 98A15 | 10/12/17 8:22 | 172820027A | 500.00 |
| 9065 | 07PCBS17284001.0072 | 9229465 ACF DF20 | 98A16 | 10/12/17 8:34 | 172820027A | 200.00 |
| 9065 | 07PCBS17284001.0073 | 9229466MS ACF DF | 98A16 | 10/12/17 8:46 | 172820027A | 200.00 |
| 9065 | 07PCBS17284001.0074 | 9229467MSD ACF D | 98A16 | 10/12/17 8:57 | 172820027A | 200.00 |
| 9065 | 07PCBS17284001.0075 | 9229468 ACF DF10 | 98A17 | 10/12/17 9:08 | 172820027A | 100.00 |
| 9065 | 07PCBS17284001.0076 | 9229468 ACF DF20 | 98A17 | 10/12/17 9:20 | 172820027A | 200.00 |
| 9065 | 07PCBS17284001.0077 | 9229469 ACF DF10 | 98A18 | 10/12/17 9:31 | 172820027A | 100.00 |
| 9065 | 07PCBS17284001.0078 | 9229470 ACF DF20 | C99A01 | 10/12/17 9:42 | 172820027A | 2,000.00 |
| 9065 | 07PCBS17284001.0079 | 9229471 ACF DF10 | C99A02 | 10/12/17 9:54 | 172820027A | 1,000.00 |
| 9065 | 07PCBS17284001.0080 | 9229472 ACF DF10 | C99A03 | 10/12/17 10:05 | 172820027A | ######## |
| 9065 | 07PCBS17284001.0081 | 9229473 ACF DF10 | C99A04 | 10/12/17 10:17 | 172820027A | ######## |
| 9065 | 07PCBS17284001.0082 | 9229474 ACF DF10 | C99A05 | 10/12/17 10:28 | 172820027A | 1,000.00 |
| 9065 | 07PCBS17284001.0083 | 9229475 ACF DF50 | 99A06 | 10/12/17 10:40 | 172820027A | 500.00 |
| 9065 | 07PCBS17284001.0084 | 9229475 ACF DF10 | C99A06 | 10/12/17 10:51 | 172820027A | 1,000.00 |
| 9065 | 07PCBS17284001.0085 | 9229476 ACF DF10 | C99A07 | 10/12/17 11:03 | 172820027A | 1,000.00 |
| 9065 | 07PCBS17284001.0086 | 9229477 ACF DF50 | C99A08 | 10/12/17 11:14 | 172820027A | 5,000.00 |
| 9065 | 07PCBS17284001.0087 | AR1641724B | AR164KW | 10/12/17 11:26 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0088 | IBLKX1724B | PIBLKRV | 10/12/17 11:37 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0089 | BLANKA 10/7/17 AF | PBLK10279 | 10/12/17 11:48 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0090 | LCSA 10/7/17 AF | LCS10279 | 10/12/17 12:00 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0091 | LCSDA 10/7/17 AF | LCSD10279 | 10/12/17 12:11 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0092 | 9234872 AF DF10 | 01F01 | 10/12/17 12:23 | 172790010A | 100.00 |
| 9065 | 07PCBS17284001.0093 | 9234873 AF DF5 | 01F02 | 10/12/17 12:34 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0094 | 9234874 RI AF | 01F03 | 10/12/17 12:45 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0095 | 9234875 AF DF10 | 01F04 | 10/12/17 12:57 | 172790010A | 100.00 |
| 9065 | 07PCBS17284001.0096 | 9234876 AF DF5 | 01F05 | 10/12/17 13:08 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0097 | 9234877 AF DF10 | 01F06 | 10/12/17 13:20 | 172790010A | 100.00 |
| 9065 | 07PCBS17284001.0098 | 9234878 AF DF5 | 01F07 | 10/12/17 13:31 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0099 | AR1641724B | AR164KX | 10/12/17 13:43 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0100 | IBLKX1724B | PIBLKRW | 10/12/17 13:54 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0101 | 9234879 AF DF5 | 01F08 | 10/12/17 14:06 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0102 | 9234880 RI AF | 01F09 | 10/12/17 14:17 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0103 | 9234881 AF DF5 | 01F10 | 10/12/17 14:29 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0104 | 9234882 AF DF5 | 01F11 | 10/12/17 14:40 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0105 | 9234883 AF DF5 | 01F12 | 10/12/17 14:51 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0106 | 9234884 RI AF | 01F13 | 10/12/17 15:03 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0107 | 9234885 AF DF5 | 01F14 | 10/12/17 15:14 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0108 | 9234886 RI AF | 01F15 | 10/12/17 15:26 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0109 | 9234887 AF DF5 | 01F16 | 10/12/17 15:37 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0110 | 9234888 RI AF | 01F17 | 10/12/17 15:49 | 172790010A | 10.00 |
| 9065 | 07PCBS17284001.0111 | AR1641724B | AR164KY | 10/12/17 16:00 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0112 | IBLKX1724B | PIBLKRX | 10/12/17 16:12 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0113 | 9234889 AF DF5 | 01F18 | 10/12/17 16:23 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0114 | 9234890 AF DF5 | 01F19 | 10/12/17 16:35 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0115 | 9234891 AF DF5 | 01F20 | 10/12/17 16:46 | 172790010A | 50.00 |
| 9065 | 07PCBS17284001.0116 | BLANKA 10/7/17 AF | PBLK11279 | 10/12/17 16:58 | 172790011A | 10.00 |
| 9065 | 07PCBS17284001.0117 | LCSA 10/7/17 AF | LCS11279 | 10/12/17 17:09 | 172790011A | 10.00 |
| 9065 | 07PCBS17284001.0118 | LCSDA 10/7/17 AF | LCSD11279 | 10/12/17 17:21 | 172790011A | 10.00 |

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 07PCBS17284001.0119 | 9234912 RI AF | 03F01 | 10/12/17 17:32 | 172790011A | 10.00 |
| 9065 | 07PCBS17284001.0120 | 9234912 AF DF5 | 03F01 | 10/12/17 17:44 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0121 | 9234913 AF DF5 | 03F02 | 10/12/17 17:55 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0122 | 9234914 AF DF5 | 03F03 | 10/12/17 18:07 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0123 | AR1641724B | AR164KZ | 10/12/17 18:18 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0124 | IBLKX1724B | PIBLKRY | 10/12/17 18:30 | 1728399999 | 10.00 |
| 9065 | 07PCBS17284001.0125 | 9234915 AF DF5 | 03F04 | 10/12/17 18:41 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0126 | 9234916 AF DF10 | 03F05 | 10/12/17 18:52 | 172790011A | 100.00 |
| 9065 | 07PCBS17284001.0127 | 9234917 AF DF20 | 03F06 | 10/12/17 19:04 | 172790011A | 200.00 |
| 9065 | 07PCBS17284001.0128 | 9234918 AF DF5 | 03F07 | 10/12/17 19:15 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0129 | 9234919 AF DF5 | 03F08 | 10/12/17 19:27 | 172790011A | 50.00 |
| 9065 | 07PCBS17284001.0130 | AR1641724B | AR164LA | 10/12/17 19:38 | 1728399999 | 1.00 |
| 9065 | 07PCBS17284001.0131 | IBLKX1724B | PIBLKRZ | 10/12/17 19:50 | 1728399999 | 10.00 |

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17289001
Instrument CP25--18274A

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

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 25PCBS17289001.001 | CONDITIONER | | 10/16/17 18:43 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.002 | CONDITIONER | | 10/16/17 18:54 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.003 | CONDITIONER | | 10/16/17 19:05 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.004 | CONDITIONER | | 10/16/17 19:17 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.005 | IBLKX1724B | PIBLKAA | 10/16/17 19:28 | 1728899999 | 10.00 |
| 9065 | 25PCBS17289001.006 | EVALX1724A | EVALXAA | 10/16/17 19:39 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.007 | AR1611724B | AR161AA | 10/16/17 19:51 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.008 | AR1621724B | AR162AA | 10/16/17 20:02 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.009 | AR1631724B | AR163AA | 10/16/17 20:13 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.010 | AR1641724B | AR164AA | 10/16/17 20:25 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.011 | AR1651724B | AR165AA | 10/16/17 20:36 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.012 | AR1661724A | AR166AA | 10/16/17 20:47 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.013 | AR4811724C | AR481AA | 10/16/17 20:59 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.014 | AR4821724C | AR482AA | 10/16/17 21:10 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.015 | AR4831724C | AR483AA | 10/16/17 21:21 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.016 | AR4841724C | AR484AA | 10/16/17 21:33 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.017 | AR4851724C | AR485AA | 10/16/17 21:44 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.018 | AR4861724B | AR486AA | 10/16/17 21:55 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.019 | AR5411724C | AR541AA | 10/16/17 22:06 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.020 | AR5421724C | AR542AA | 10/16/17 22:18 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.021 | AR5431724C | AR543AA | 10/16/17 22:29 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.022 | AR5441724C | AR544AA | 10/16/17 22:40 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.023 | AR5451724C | AR545AA | 10/16/17 22:52 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.024 | AR5461724B | AR546AA | 10/16/17 23:03 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.025 | AR6231724A | AR623AA | 10/16/17 23:14 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.026 | AR6831724B | AR683AA | 10/16/17 23:25 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.027 | AR2141724A | AR214AA | 10/16/17 23:37 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.028 | AR3241724A | AR324AA | 10/16/17 23:48 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.029 | AR4241724A | AR424AA | 10/16/17 23:59 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.030 | AR16XX1724B | AR16XAA | 10/17/17 0:11 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.031 | MD16X1724B | MD16XAA | 10/17/17 0:22 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.032 | IC16X1724C | IC16XAA | 10/17/17 0:33 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.033 | IC48X1724B | IC48XAA | 10/17/17 0:45 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.034 | IC54X1724B | IC54XAA | 10/17/17 0:56 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.035 | 9262085 RI ACF | PN210 | 10/17/17 1:07 | 172860002A | 10.00 |
| 9065 | 25PCBS17289001.036 | BLANKA 10/11/17 RI | PBLK27283 | 10/17/17 1:18 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.037 | LCSA 10/11/17 RI AC | LCS27283 | 10/17/17 1:30 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.039 | IBLKX1724B | PIBLKUZ | 10/17/17 1:52 | 1728899999 | 10.00 |
| 9065 | 25PCBS17289001.040 | 9254439 RI ACF | 67T02 | 10/17/17 2:04 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.041 | 9254439 RI ACF DF5 | 67T02 | 10/17/17 2:15 | 172830027A | 50.00 |
| 9065 | 25PCBS17289001.042 | 9254444 RI ACF | 67T07 | 10/17/17 2:26 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.043 | 9254449 RI ACF | 67T12 | 10/17/17 2:38 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.044 | 9254454 RI ACF | 67T17 | 10/17/17 2:49 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.045 | 9254459 RI ACF | 67T22 | 10/17/17 3:00 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.046 | 9254464 RI ACF | 67T27 | 10/17/17 3:11 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.047 | 9254559 RI ACF | 1629A | 10/17/17 3:22 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.048 | 9254560 RI ACF | 1629B | 10/17/17 3:34 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.049 | 9254561 RI ACF | 1629C | 10/17/17 3:45 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.050 | 9254562 RI ACF | 1629D | 10/17/17 3:56 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.051 | 9254563 RI ACF | 1629E | 10/17/17 4:08 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.052 | 9254563MS RI ACF | 1629EMS | 10/17/17 4:19 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.053 | 9254563MSD RI ACF | 1629EMSD | 10/17/17 4:30 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.054 | 9254564 RI ACF | 1629F | 10/17/17 4:42 | 172830027A | 10.00 |
| 9065 | 25PCBS17289001.055 | AR1641724B | AR164NA | 10/17/17 4:53 | 1728899999 | 1.00 |
| 9065 | 25PCBS17289001.056 | IBLKX1724B | PIBLKVA | 10/17/17 5:04 | 1728899999 | 10.00 |

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17289004
Instrument CP25--18274A

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

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 25PCBS17289004.001 | CONDITIONER | | 10/19/17 19:25 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.002 | CONDITIONER | | 10/19/17 19:36 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.003 | CONDITIONER | | 10/19/17 19:48 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.004 | CONDITIONER | | 10/19/17 19:59 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.005 | AR1641724B | AR164NR | 10/19/17 20:10 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.006 | IBLKX1724B | PIBLKWM | 10/19/17 20:22 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.007 | 9268086 ACF DF10 | 6SW22 | 10/19/17 20:33 | 172910001A | 100.00 |
| 9065 | 25PCBS17289004.008 | 9229472 RI ACF DF2 | 99A03 | 10/19/17 20:44 | 172820027A | 2,000.00 |
| 9065 | 25PCBS17289004.009 | 9229472 RI ACF DF5 | 99A03 | 10/19/17 20:56 | 172820027A | 5,000.00 |
| 9065 | 25PCBS17289004.010 | BLANKA 10/17/17 RI | PBLK22289 | 10/19/17 21:07 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.011 | LCSA 10/17/17 RI AC | LCS22289 | 10/19/17 21:18 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.012 | AR1641724B | AR164NS | 10/19/17 21:30 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.013 | IBLKX1724B | PIBLKWN | 10/19/17 21:41 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.014 | 9254411 RI ACF | RHK01 | 10/19/17 21:53 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.015 | 9254412 RI ACF | RHK02 | 10/19/17 22:04 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.016 | 9254413MS RI ACF | RHK02 | 10/19/17 22:15 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.017 | 9254414MSD RI ACF | RHK02 | 10/19/17 22:27 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.018 | 9255512 RI ACF | 36940 | 10/19/17 22:38 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.019 | 9255515 RI ACF | 36101 | 10/19/17 22:49 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.020 | 9255516 RI ACF | 36107 | 10/19/17 23:00 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.021 | 9264631 RI ACF | AR116 | 10/19/17 23:11 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.022 | 9264654 RI ACF | AR110 | 10/19/17 23:22 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.023 | 9264657 RI ACF | AR111 | 10/19/17 23:34 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.024 | 9264660 RI ACF | AR115 | 10/19/17 23:45 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.025 | 9264663 RI ACF | AR146 | 10/19/17 23:57 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.026 | 9264663 RI ACF DF5 | AR146 | 10/20/17 0:08 | 172890022A | 50.00 |
| 9065 | 25PCBS17289004.027 | 9264666 RI ACF | AR147 | 10/20/17 0:19 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.028 | 9264669 RI ACF | AR148 | 10/20/17 0:30 | 172890022A | 10.00 |
| 9065 | 25PCBS17289004.029 | AR1641724B | AR164NT | 10/20/17 0:42 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.030 | IBLKX1724B | PIBLKWO | 10/20/17 0:53 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.031 | AR4241724A | AA | 10/20/17 1:05 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.032 | AR4841724A | AA | 10/20/17 1:16 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.033 | AR5441724A | AA | 10/20/17 1:27 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.034 | BLANKA 10/18/17 AC | PBLK21290 | 10/20/17 1:38 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.035 | LCSA 10/18/17 ACF | LCS21290 | 10/20/17 1:50 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.036 | AR1641724B | AR164NU | 10/20/17 2:01 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.037 | IBLKX1724B | PIBLKWP | 10/20/17 2:12 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.038 | 9262359 RI ACF | 35721 | 10/20/17 2:24 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.039 | 9262359MS ACF | 35721MS | 10/20/17 2:35 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.040 | 9262359MSD ACF | 35721MSD | 10/20/17 2:46 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.041 | 9262360 RI ACF | 00200 | 10/20/17 2:58 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.042 | 9262361 RI ACF | 35741 | 10/20/17 3:09 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.043 | 9262362 RI ACF | 35731 | 10/20/17 3:20 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.044 | 9263009 RI ACF | OP101 | 10/20/17 3:32 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.045 | 9264278 ACF DF20 | 70T03 | 10/20/17 3:43 | 172900021A | 200.00 |
| 9065 | 25PCBS17289004.046 | 9264510 ACF DF5 | 25G04 | 10/20/17 3:54 | 172900021A | 50.00 |
| 9065 | 25PCBS17289004.047 | 9264517 RI ACF | 25G11 | 10/20/17 4:05 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.048 | 9264517 ACF DF5 | 25G11 | 10/20/17 4:17 | 172900021A | 50.00 |
| 9065 | 25PCBS17289004.049 | 9264518 RI ACF | 25G12 | 10/20/17 4:28 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.050 | 9264520 RI ACF | 25G14 | 10/20/17 4:39 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.051 | 9264521 RI ACF | 25G15 | 10/20/17 4:51 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.052 | 9264524 ACF DF5 | 25G18 | 10/20/17 5:02 | 172900021A | 50.00 |
| 9065 | 25PCBS17289004.053 | 9264526 ACF DF5 | 25G20 | 10/20/17 5:13 | 172900021A | 50.00 |
| 9065 | 25PCBS17289004.054 | 9264598 RI ACF | 3132A | 10/20/17 5:25 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.055 | 9264740 RI ACF | DRUM- | 10/20/17 5:36 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.056 | 9264740 ACF DF5 | DRUM- | 10/20/17 5:48 | 172900021A | 50.00 |

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 25PCBS17289004.057 | 9266678 RI ACF | LPBP1 | 10/20/17 5:59 | 172900021A | 10.00 |
| 9065 | 25PCBS17289004.058 | AR1641724B | AR164NV | 10/20/17 6:10 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.059 | IBLKX1724B | PIBLKWQ | 10/20/17 6:21 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.060 | 9266678 ACF DF5 | LPBP1 | 10/20/17 6:33 | 172900021A | 50.00 |
| 9065 | 25PCBS17289004.061 | 9266678 ACF DF10 | LPBP1 | 10/20/17 6:44 | 172900021A | 100.00 |
| 9065 | 25PCBS17289004.062 | BLANKA 10/10/17 RI | PBLK20283 | 10/20/17 6:56 | 172830020A | 10.00 |
| 9065 | 25PCBS17289004.063 | LCSA 10/10/17 RI AC | LCS20283 | 10/20/17 7:07 | 172830020A | 10.00 |
| 9065 | 25PCBS17289004.064 | AR1641724B | AR164NW | 10/20/17 7:18 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.065 | IBLKX1724B | PIBLKWR | 10/20/17 7:30 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.066 | 9229495 RI ACF DF5 | 01A03 | 10/20/17 7:41 | 172830020A | 5,000.00 |
| 9065 | 25PCBS17289004.067 | 9229496 RI ACF DF5 | 01A04 | 10/20/17 7:52 | 172830020A | 500.00 |
| 9065 | 25PCBS17289004.068 | 9229497 RI ACF DF5 | 01A05 | 10/20/17 8:04 | 172830020A | 500.00 |
| 9065 | 25PCBS17289004.069 | 9229498 RI ACF DF2 | 01A06 | 10/20/17 8:15 | 172830020A | 20,000.00 |
| 9065 | 25PCBS17289004.070 | 9229499 RI ACF DF5 | 01A07 | 10/20/17 8:26 | 172830020A | 5,000.00 |
| 9065 | 25PCBS17289004.071 | 9229500 RI ACF DF5 | 01A08 | 10/20/17 8:38 | 172830020A | 500.00 |
| 9065 | 25PCBS17289004.072 | 9229501 RI ACF DF2 | 01A09 | 10/20/17 8:49 | 172830020A | 2,000.00 |
| 9065 | 25PCBS17289004.073 | 9229502 RI ACF DF2 | 01A10 | 10/20/17 9:00 | 172830020A | 2,000.00 |
| 9065 | 25PCBS17289004.074 | 9229503 RI ACF DF5 | 01A11 | 10/20/17 9:11 | 172830020A | 500.00 |
| 9065 | 25PCBS17289004.075 | 9229504 RI ACF DF5 | 01A12 | 10/20/17 9:23 | 172830020A | 500.00 |
| 9065 | 25PCBS17289004.076 | 9229509 RI ACF DF2 | 01A17 | 10/20/17 9:34 | 172830020A | 200.00 |
| 9065 | 25PCBS17289004.077 | 9229510MS RI ACF D | 01A17 | 10/20/17 9:45 | 172830020A | 200.00 |
| 9065 | 25PCBS17289004.078 | 9229511MSD RI ACF | 01A17 | 10/20/17 9:57 | 172830020A | 200.00 |
| 9065 | 25PCBS17289004.079 | 9229512 RI ACF DF2 | 01A18 | 10/20/17 10:08 | 172830020A | 200.00 |
| 9065 | 25PCBS17289004.080 | AR1641724B | AR164NX | 10/20/17 10:19 | 1729199999 | 1.00 |
| 9065 | 25PCBS17289004.081 | IBLKX1724B | PIBLKWS | 10/20/17 10:31 | 1729199999 | 10.00 |
| 9065 | 25PCBS17289004.082 | BLANKA 10/19/17 AC | PBLK01292 | 10/20/17 10:42 | 172920001A | 10.00 |
| 9065 | 25PCBS17289004.083 | LCSA 10/19/17 ACF | LCS01292 | 10/20/17 10:53 | 172920001A | 10.00 |
| 9065 | 25PCBS17289004.084 | 9270055 ACF DF50 | 6SW23 | 10/20/17 11:05 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.085 | 9270055MS ACF DF | 6SW23MS | 10/20/17 11:16 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.086 | 9270055MSD ACF D | 6SW23MSD | 10/20/17 11:28 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.087 | 9270056 ACF DF50 | FD1PC | 10/20/17 11:39 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.088 | 9270057 ACF | 6SW24 | 10/20/17 11:50 | 172920001A | 10.00 |
| 9065 | 25PCBS17289004.089 | 9270058 ACF | 6SW25 | 10/20/17 12:01 | 172920001A | 10.00 |
| 9065 | 25PCBS17289004.090 | 9270059 ACF DF50 | 6B001 | 10/20/17 12:13 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.091 | 9270060 ACF | 6B002 | 10/20/17 12:24 | 172920001A | 10.00 |
| 9065 | 25PCBS17289004.092 | 9270061 ACF DF100 | 6SW26 | 10/20/17 12:35 | 172920001A | 10,000.00 |
| 9065 | 25PCBS17289004.093 | 9272130 ACF DF50 | 6SW28 | 10/20/17 12:47 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.094 | 9272131 ACF DF50 | PCFD1 | 10/20/17 12:58 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.095 | 9272132 ACF DF50 | 6SW29 | 10/20/17 13:09 | 172920001A | 500.00 |
| 9065 | 25PCBS17289004.096 | 9272133 ACF DF500 | 6SW30 | 10/20/17 13:21 | 172920001A | 50,000.00 |
| 9065 | 25PCBS17289004.097 | AR1641724B | AR164NZ | 10/20/17 13:32 | 1729299999 | 1.00 |
| 9065 | 25PCBS17289004.098 | IBLKX1724B | PIBLKWV | 10/20/17 13:43 | 1729299999 | 10.00 |

# Sample Data

# Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

**LOQ/MDL Summary**
**Pesticide Residue Analysis**

**SDG: ATG99**

**Fraction: Polychlorinated Biphenyls (PCBs)**

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

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229470** ACF DF200 99A01 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.23 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:42:57 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0078.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 129% ( 61 - 152 ) Conc: 38.45358
%SSR(DCB) 140% ( 48 - 164 ) Conc: 37.06259

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:42:57 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0078.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 136% ( 61 - 152 ) Conc: 40.58931
%SSR(DCB) 135% ( 48 - 164 ) Conc: 35.87105

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 53917 | 38.45358 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 86062 | 40.58931 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 38253 | 37.06259 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 69458 | 35.87105 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 40.58931 | | | | 5.40 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 38.45358 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 40.58931 | | | | | |
| ☐ | Decachlorobiphenyl | A | 37.06259 | | | | 3.27 | |
| ☑ | Decachlorobiphenyl-D1 | A | 37.06259 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 35.87105 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **28.44** | |
| 4.21 | 4.23 | 4.25 | 2249814 | 56628.417326 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1156647 | 87220.2031 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1765187 | 40179.602396 | | | 3 |
| 4.61 | 4.63 | 4.65 | 7266017 | 82963.382267 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1936219 | 63284.976854 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4429476 | 90221.695484 | | | 6 |

Height summation: **18803360**
Concentration CF: **70083.046238** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **16.88** | |
| 4.19 | 4.21 | 4.23 | 10197500 | 87613.279741 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5026140 | 89323.865718 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5122909 | 78918.670724 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5209621 | 113021.94024 | | | 4 |
| 4.57 | 4.59 | 4.61 | 3436616 | 68386.682606 | | | 5 |
| 4.65 | 4.67 | 4.69 | 7440084 | 89036.789918 | | | 6 |

Height summation: **36432870**
Concentration CF: **87716.871491** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <9970.6743 | <1935.4838 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <9970.6743 | <2991.2023 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <9970.6743 | <2404.692 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <9970.6743 | <2404.692 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <9970.6743 | <1935.4838 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 70083.046238 | 9970.6743 | 2580.6451 | D1 | 22.35 | 4 | |
| ☑ | PCB-1260 | | | <9970.6743 | <2287.39 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:23

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229470** ACF DF200 99A01 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.23 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0078.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 129% (61-152) Conc.: 38.45358
%SSR(DCB) : 140% (48-164) Conc.: 37.06259

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **6** | **143.39** | |
| 3.17 | 3.19 | 3.21 | 5575.708 | 226.678317 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 15781.43 | 612.017025 | | | 2 |
| 3.38 | 3.42 | 3.42 | 17536.73 | 680.089024 | | | 2 |
| 3.50 | 3.52 | 3.54 | 118441.1 | 3824.077145 | | | 3 |
| 3.71 | 3.74 | 3.75 | 128771.7 | 3421.499173 | | | 4 |
| 3.77 | 3.79 | 3.81 | 58060.18 | 1752.435742 | | | 5 |
| 3.96 | 3.98 | 4.00 | 450612.4 | 17833.641207 | | | 6 |
| Height Summation: | | | **778997.818** | | | | |
| Amount Avg CF: | | | **4623.070101** | Linear: | | | |
| **Aroclor-1221** | | | | | **2** | **33.11** | |
| 3.12 | 3.14 | 3.16 | 2902.525 | 261.196167 | | | 2 |
| 3.17 | 3.19 | 3.21 | 5575.708 | 162.087554 | | | 3 |
| Height Summation: | | | **8478.233** | | | | |
| Amount Avg CF: | | | **211.641861** | Linear: | | | |
| **Aroclor-1232** | | | | | **6** | **154.45** | |
| 3.17 | 3.19 | 3.21 | 5575.708 | 195.047409 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 15781.43 | 1359.065929 | | | 2 |
| 3.38 | 3.42 | 3.42 | 17536.73 | 1510.228936 | | | 2 |
| 3.50 | 3.52 | 3.54 | 118441.1 | 8398.932895 | | | 3 |
| 3.71 | 3.74 | 3.75 | 128771.7 | 7541.896117 | | | 4 |
| 3.77 | 3.79 | 3.81 | 58060.18 | 4159.016568 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 450612.4 | 47062.001338 | | | 6 |
| Height Summation: | | | **778997.818** | | | | |
| Amount Avg CF: | | | **11477.853877** | Linear: | | | |
| **Aroclor-1242** | | | | | **6** | **144.00** | |
| 3.17 | 3.19 | 3.21 | 5575.708 | 162.860117 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 15781.43 | 455.699308 | | | 2 |
| 3.38 | 3.42 | 3.42 | 17536.73 | 506.384765 | | | 2 |
| 3.50 | 3.52 | 3.54 | 118441.1 | 2871.137806 | | | 3 |
| 3.71 | 3.74 | 3.75 | 128771.7 | 2492.694827 | | | 4 |
| 3.77 | 3.79 | 3.81 | 58060.18 | 1310.008752 | | | 5 |
| 3.96 | 3.98 | 4.00 | 450612.4 | 13351.095016 | | | 6 |
| Height Summation: | | | **778997.818** | | | | |
| Amount Avg CF: | | | **3449.030214** | Linear: | | | |
| **Aroclor-1248** | | | | | **6** | **99.69** | |
| 3.71 | 3.74 | 3.75 | 128771.7 | 7676.223417 | | | 1 |
| 3.77 | 3.79 | 3.81 | 58060.18 | 3163.218289 | | | 2 |
| 3.84 | 3.86 | 3.88 | 871304.3 | 27728.57565 | | | 3 |
| 3.96 | 3.98 | 4.00 | 450612.4 | 12783.286836 | | | 4 |
| 4.05 | 4.07 | 4.09 | 558223.2 | 17494.323782 | | | 5 |
| 4.23 | 4.23 | 4.27 | 2249814 | 63440.144331 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 851551.5 | 24012.007244 | | | 6 |
| Height Summation: | | | **4316785.78** | | | | |
| Amount Avg CF: | | | **22047.628718** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0078.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 136% (61-152) Conc.: 40.58931
%SSR(DCB) : 135% (48-164) Conc.: 35.87105

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **6** | **128.53** | |
| 2.86 | 2.89 | 2.90 | 29164.78 | 814.507704 | | | 1 |
| 3.19 | 3.20 | 3.23 | 179166.3 | 3988.677281 | | | 2 |
| 3.38 | 3.38 | 3.42 | 351522.9 | 7604.304372 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 167421.9 | 3621.747221 | | | 3 |
| 3.45 | 3.47 | 3.49 | 92917.85 | 1895.041385 | | | 4 |
| 3.51 | 3.53 | 3.55 | 1496326 | 40487.482413 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 1410980 | 38178.196419 | | | 5 |
| 3.61 | 3.63 | 3.65 | 650102.5 | 15519.291127 | | | 6 |
| Height Summation: | | | **2799200.33** | | | | |
| Amount Avg CF: | | | **11718.21738** | Linear: | | | |
| **Aroclor-1221** | | | | | **2** | **3.35** | |
| 2.74 | 2.76 | 2.78 | 11566.64 | 539.324084 | | | 1 |
| 2.86 | 2.89 | 2.90 | 29164.78 | 565.460776 | | | 3 |
| Height Summation: | | | **40731.42** | | | | |
| Amount Avg CF: | | | **552.39243** | Linear: | | | |
| **Aroclor-1232** | | | | | **6** | **136.05** | |
| 2.86 | 2.89 | 2.90 | 29164.78 | 704.157805 | | | 1 |
| 3.19 | 3.20 | 3.23 | 179166.3 | 8712.831652 | | | 2 |
| 3.38 | 3.38 | 3.42 | 351522.9 | 16962.545241 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 167421.9 | 8078.852197 | | | 3 |
| 3.45 | 3.47 | 3.49 | 92917.85 | 4435.261748 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 1496326 | 105561.098642 | | | 5 |
| E+ 3.51 | 3.55 | 3.55 | 1410980 | 99540.206454 | | | 5 |
| 3.61 | 3.63 | 3.65 | 650102.5 | 39209.271166 | | | 6 |
| Height Summation: | | | **2799200.33** | | | | |
| Amount Avg CF: | | | **29264.194376** | Linear: | | | |
| **Aroclor-1242** | | | | | **6** | **130.89** | |
| 2.86 | 2.89 | 2.90 | 29164.78 | 573.874308 | | | 1 |
| 3.19 | 3.20 | 3.23 | 179166.3 | 2884.850554 | | | 2 |
| 3.38 | 3.38 | 3.42 | 351522.9 | 5664.776012 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 167421.9 | 2697.996526 | | | 3 |
| 3.45 | 3.47 | 3.49 | 92917.85 | 1367.515214 | | | 4 |
| 3.51 | 3.53 | 3.55 | 1496326 | 31125.875527 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 1410980 | 29350.547842 | | | 5 |
| 3.61 | 3.63 | 3.65 | 650102.5 | 11604.438355 | | | 6 |
| Height Summation: | | | **2799200.33** | | | | |
| Amount Avg CF: | | | **8870.221662** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229470** ACF DF200 99A01 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.23 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0078.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 28.44 | |
| 4.21 | 4.23 | 4.25 | 2249814 | 56628.417326 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1156647 | 87220.2031 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1765187 | 40179.602396 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 14335.74 | 326.313492 | | | 3 |
| 4.61 | 4.63 | 4.65 | 7266017 | 82963.382267 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1936219 | 63284.976854 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4429476 | 90221.695484 | | | 6 |
| Height Summation: | | | **18803360** | | | | |
| Amount Avg CF: | | | **70083.046238** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 65.46 | |
| + 4.74 | 4.74 | 4.78 | 12162.31 | 205.107338 | | | 1 |
| 4.74 | 4.76 | 4.78 | 2488032 | 41958.609836 | | | 1 |
| 4.94 | 4.96 | 4.98 | 2802590 | 46744.839696 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4429476 | 60764.572325 | | | 3 |
| 5.37 | 5.39 | 5.41 | 583002.4 | 14454.615159 | | | 4 |
| 5.61 | 5.63 | 5.65 | 1490572 | 11863.657933 | | | 5 |
| 5.81 | 5.83 | 5.85 | 1249364 | 14646.760248 | | | 6 |
| Height Summation: | | | **13043036.4** | | | | |
| Amount Avg CF: | | | **31738.842533** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 51.32 | |
| 5.21 | 5.23 | 5.25 | 476217.1 | 6202.056502 | | | 1 |
| 5.37 | 5.39 | 5.41 | 583002.4 | 10636.323936 | | | 2 |
| 5.61 | 5.63 | 5.65 | 1490572 | 10218.394709 | | | 3 |
| 5.81 | 5.83 | 5.85 | 1249364 | 11034.532922 | | | 4 |
| 5.87 | 5.89 | 5.91 | 91750.12 | 1608.478079 | | | 5 |
| 6.24 | 6.26 | 6.28 | 279649 | 4910.342578 | | | 6 |
| Height Summation: | | | **4170554.62** | | | | |
| Amount Avg CF: | | | **7435.021454** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 93.74 | |
| 5.81 | 5.83 | 5.85 | 1249364 | 5698.483213 | | | 1 |
| 5.87 | 5.89 | 5.91 | 91750.12 | 474.880992 | | | 2 |
| + 6.06 | 6.07 | 6.10 | 47647.86 | 1116.402032 | | | 4 |
| 6.06 | 6.10 | 6.10 | 378794.5 | 8875.255874 | | | 4 |
| 6.23 | 6.26 | 6.27 | 279649 | 4488.943259 | | | 5 |
| 6.43 | 6.46 | 6.47 | 54094.62 | 121.755785 | | | 6 |
| Height Summation: | | | **2053652.24** | | | | |
| Amount Avg CF: | | | **3931.863825** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0078.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 100.84 | |
| 3.38 | 3.38 | 3.42 | 351522.9 | 18679.595399 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 167421.9 | 8896.641877 | | | 1 |
| 3.45 | 3.47 | 3.49 | 92917.85 | 3333.257874 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1421713 | 29934.011635 | | | 3 |
| 3.61 | 3.63 | 3.65 | 650102.5 | 11519.543421 | | | 4 |
| + 3.70 | 3.71 | 3.74 | 11456.86 | 280.482395 | | | 5 |
| 3.70 | 3.72 | 3.74 | 731623.6 | 17911.324732 | | | 5 |
| 3.84 | 3.85 | 3.88 | 6056052 | 78468.030237 | | | 6 |
| Height Summation: | | | **9303931.85** | | | | |
| Amount Avg CF: | | | **26640.96055** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 16.88 | |
| 4.19 | 4.21 | 4.23 | 10197500 | 87613.279741 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5026140 | 89323.865718 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5122909 | 78918.670724 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5209621 | 113021.94024 | | | 4 |
| 4.57 | 4.59 | 4.61 | 3436616 | 68386.682606 | | | 5 |
| 4.65 | 4.67 | 4.69 | 7440084 | 89036.789918 | | | 6 |
| Height Summation: | | | **36432870** | | | | |
| Amount Avg CF: | | | **87716.871491** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 73.75 | |
| 4.42 | 4.44 | 4.46 | 5209621 | 49376.415533 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3367606 | 42527.794784 | | | 2 |
| 4.65 | 4.67 | 4.69 | 7440084 | 74364.45272 | | | 3 |
| 4.87 | 4.89 | 4.91 | 789973.6 | 11512.501798 | | | 4 |
| 5.06 | 5.08 | 5.10 | 1982942 | 12310.916452 | | | 5 |
| 5.32 | 5.34 | 5.36 | 1730602 | 16430.860063 | | | 6 |
| Height Summation: | | | **20520828.6** | | | | |
| Amount Avg CF: | | | **34420.490225** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 59.88 | |
| 4.68 | 4.70 | 4.72 | 245328.3 | 2258.721477 | | | 1 |
| + 4.68 | 4.71 | 4.72 | 225257 | 2073.926342 | | | 1 |
| 4.87 | 4.89 | 4.91 | 789973.6 | 7419.92939 | | | 2 |
| 5.06 | 5.08 | 5.10 | 1982942 | 9325.775862 | | | 3 |
| 5.28 | 5.30 | 5.32 | 277580.6 | 3206.211568 | | | 4 |
| 5.33 | 5.34 | 5.36 | 1730602 | 12335.539937 | | | 5 |
| 5.71 | 5.72 | 5.74 | 368845.5 | 4474.813954 | | | 6 |
| Height Summation: | | | **5395272** | | | | |
| Amount Avg CF: | | | **6503.498698** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 112.72 | |
| 5.28 | 5.30 | 5.32 | 277580.6 | 1122.080422 | | | 1 |
| 5.33 | 5.34 | 5.36 | 1730602 | 7423.713244 | | | 2 |
| 5.48 | 5.50 | 5.52 | 170218.9 | 773.879489 | | | 3 |
| 5.70 | 5.72 | 5.74 | 368845.5 | 4003.665503 | | | 5 |
| 5.90 | 5.93 | 5.94 | 95408.16 | 132.081407 | | | 6 |
| Height Summation: | | | **2642655.16** | | | | |
| Amount Avg CF: | | | **2691.084013** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229470** ACF DF200 99A01 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.23 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0078.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:42:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0078.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 9970.6754 | 1935.484 | | ** 86.84 | 4 | 40 | |
| Aroclor-1221 | | | 9970.6754 | 2991.2026 | | ** 89.20 | 3 | 40 | |
| Aroclor-1232 | | | 9970.6754 | 2404.6923 | E | ** 87.31 | 4 | 40 | |
| Aroclor-1242 | | | 9970.6754 | 2404.6923 | | ** 88.01 | 4 | 40 | |
| Aroclor-1248 | | | 9970.6754 | 1935.484 | | 18.87 | 4 | 40 | |
| Aroclor-1254 | | | 9970.6754 | 2580.6454 | | 22.35 | 4 | 40 | |
| Aroclor-1260 | | | 9970.6754 | 2287.3902 | | 8.11 | 4 | 40 | |
| Aroclor-1262 | | | 9970.6754 | 1935.484 | | 13.37 | 4 | 40 | |
| Aroclor-1268 | | | 9970.6754 | 1935.484 | | 37.47 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:42:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0078.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.518 | | 2556 | 2060 |
| 1.583 | | 92348 | 131980 |
| 1.647 | | 35315 | 53744 |
| 1.688 | | 37987 | 44768 |
| 1.903 | | 1399 | 1573 |
| 2.051 | | 54561 | 100569 |
| 2.091 | | 20641 | 36151 |
| 2.167 | | 2089 | 1682 |
| 2.21 | | 11543 | 7762 |
| 2.333 | | 31879 | 21089 |
| 2.378 | | 1343 | 1077 |
| 2.511 | | 37299 | 94270 |
| 2.544 | | 13617 | 16361 |
| 2.594 | | 2882 | 1541 |
| 2.661 | | 8344 | 4903 |
| 2.718 | | 1991 | 958 |
| 2.785 | | 84620 | 79015 |
| 2.863 | | 29127 | 44807 |
| 2.904 | | 30043 | 44566 |
| 2.937 | TCX | 53917 | 37761 |
| 3.141 | | 2903 | 2325 |
| 3.188 | | 5576 | 4169 |
| 3.261 | | 23444 | 18058 |
| 3.282 | | 3667 | 2803 |
| 3.404 | | 15781 | 8669 |
| 3.421 | | 17537 | 10323 |
| 3.457 | | 3650 | 1466 |
| 3.476 | | 2540 | 1217 |
| 3.519 | | 118441 | 79599 |
| 3.598 | | 19669 | 12665 |
| 3.626 | | 14692 | 8239 |
| 3.696 | | 65974 | 38566 |
| 3.739 | | 128772 | 110358 |
| 3.79 | | 58060 | 44773 |
| 3.831 | | 89024 | 61528 |
| 3.858 | | 871304 | 634131 |
| 3.885 | | 959934 | 630486 |
| 3.907 | | 689218 | 488586 |
| 3.981 | | 450612 | 315951 |
| 4.006 | | 387571 | 275062 |
| 4.037 | | 602996 | 452259 |
| 4.07 | | 558223 | 473958 |
| 4.113 | | 102259 | 96866 |
| 4.143 | | 46132 | 29397 |
| 4.16 | | 14675 | 8202 |
| 4.195 | | 154073 | 113391 |
| 4.229 | | 2249815 | 1552914 |
| 4.248 | | 851552 | 464246 |
| 4.273 | | 2117752 | 1754817 |
| 4.341 | | 1156647 | 938395 |
| 4.383 | | 4443120 | 4656864 |
| 4.418 | | 2629165 | 2099327 |
| 4.458 | | 308858 | 225193 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.48 | | 367781 | 268828 |
| 4.522 | | 1502346 | 1312168 |
| 4.572 | | 1765187 | 1366570 |
| 4.588 | | 14336 | 2703 |
| 4.603 | | 579579 | 380954 |
| 4.633 | | 7266017 | 6095417 |
| 4.682 | | 506453 | 378618 |
| 4.697 | | 122716 | 56754 |
| 4.717 | | 505359 | 344165 |
| 4.739 | | 12162 | 7385 |
| 4.758 | | 2488032 | 2260175 |
| 4.805 | | 569661 | 506016 |
| 4.845 | | 3866799 | 3789625 |
| 4.875 | | 42114 | 27694 |
| 4.905 | | 603176 | 639262 |
| 4.958 | | 2802590 | 3809204 |
| 5.007 | | 123996 | 98998 |
| 5.044 | | 1936219 | 2038352 |
| 5.09 | | 306193 | 238300 |
| 5.116 | | 57909 | 51240 |
| 5.127 | | 191284 | 121270 |
| 5.162 | | 4429476 | 4000965 |
| 5.184 | | 263120 | 139793 |
| 5.202 | | 190683 | 106147 |
| 5.228 | | 476217 | 374178 |
| 5.27 | | 394367 | 419981 |
| 5.314 | | 10185 | 9402 |
| 5.344 | | 10301 | 8991 |
| 5.367 | | 1092400 | 879377 |
| 5.39 | | 583002 | 427106 |
| 5.447 | | 340938 | 310247 |
| 5.484 | | 364427 | 368180 |
| 5.524 | | 51209 | 57646 |
| 5.567 | | 949469 | 907756 |
| 5.601 | | 263581 | 229104 |
| 5.628 | | 1490572 | 1342528 |
| 5.662 | | 40317 | 33346 |
| 5.713 | | 10455 | 7816 |
| 5.765 | | 1357 | 356 |
| 5.786 | | 12290 | 8906 |
| 5.831 | | 1249365 | 1219487 |
| 5.862 | | 201373 | 149887 |
| 5.885 | | 91750 | 82847 |
| 5.952 | | 9691 | 14214 |
| 5.997 | | 137229 | 124071 |
| 6.051 | | 17541 | 13296 |
| 6.074 | | 47648 | 34005 |
| 6.101 | | 378795 | 349679 |
| 6.166 | | 50321 | 50125 |
| 6.228 | | 58911 | 46311 |
| 6.256 | | 279649 | 255318 |
| 6.3 | | 14978 | 13617 |
| 6.332 | | 1351 | 311 |
| 6.457 | | 54095 | 57543 |
| 6.522 | | 1750 | 731 |
| 6.571 | | 12346 | 11941 |
| 6.603 | DCB | 38253 | 35528 |
| 6.638 | | 24450 | 20942 |
| 6.854 | | 2302 | 3329 |
| 6.956 | | 1652 | 634 |
| 7.01 | | 4772 | 10102 |
| 7.086 | | 1028 | 324 |
| 7.195 | | 976 | 643 |
| 7.412 | | 1264 | 1128 |
| 7.493 | | 952 | 304 |
| 7.646 | | 1614 | 2665 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.742 | | 1344 | 416 |
| 7.838 | | 1279 | 1990 |
| 8.034 | | 1268 | 286 |
| 8.159 | | 1447 | 583 |
| 8.193 | | 1523 | 863 |
| 8.4 | | 1176 | 524 |
| 8.438 | | 1009 | 927 |
| 8.552 | | 1503 | 852 |

LANCASTER LABORATORIES

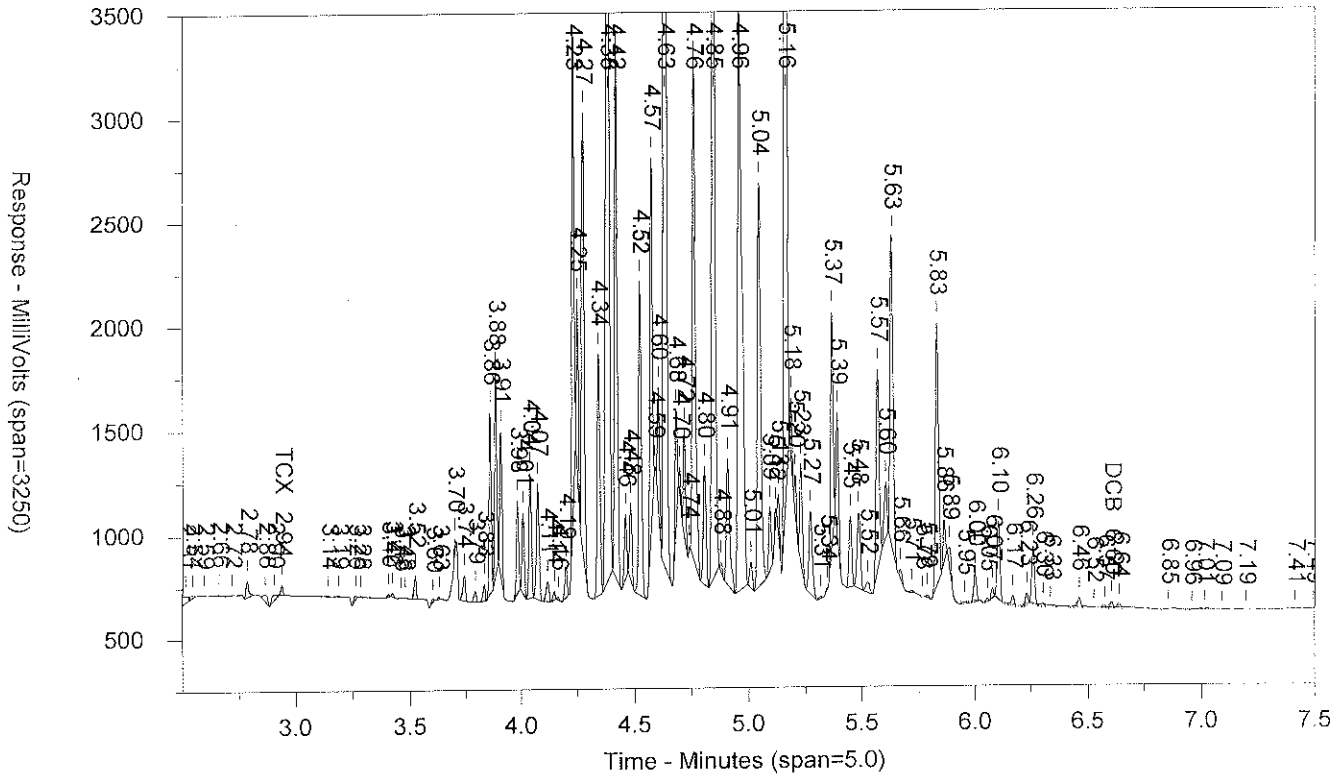
Sample Number: 9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:42:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0078.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 2668 | 1914 |
| 1.593 | | 1953 | 1343 |
| 1.636 | | 2535 | 2934 |
| 1.684 | | 3536 | 5414 |
| 1.771 | | 19008 | 25181 |
| 1.796 | | 16382 | 34202 |
| 1.849 | | 16327 | 38719 |
| 1.899 | | 61217 | 50766 |
| 1.931 | | 25633 | 22356 |
| 1.968 | | 20103 | 47476 |
| 2.086 | | 2176 | 2137 |
| 2.133 | | 13094 | 9564 |
| 2.156 | | 12827 | 20713 |
| 2.206 | | 3569 | 4902 |
| 2.299 | | 4423 | 5544 |
| 2.34 | | 13099 | 9206 |
| 2.386 | | 5380 | 8423 |
| 2.504 | | 8579 | 12861 |
| 2.525 | | 119348 | 121610 |
| 2.591 | TCX | 86062 | 52961 |
| 2.68 | | 3713 | 4773 |
| 2.764 | | 11567 | 12715 |
| 2.799 | | 10760 | 17334 |
| 2.888 | | 29165 | 31151 |
| 2.988 | | 6243 | 4490 |
| 3.046 | | 6875 | 9943 |
| 3.085 | | 13770 | 7795 |
| 3.096 | | 21586 | 10882 |
| 3.135 | | 7042 | 3654 |
| 3.159 | | 8069 | 5903 |
| 3.182 | | 6774 | 3447 |
| 3.204 | | 179166 | 115740 |
| 3.245 | | 16291 | 12451 |
| 3.289 | | 24960 | 12994 |
| 3.305 | | 30090 | 17346 |
| 3.364 | | 363834 | 264222 |
| 3.383 | | 351523 | 201441 |
| 3.413 | | 167422 | 96091 |
| 3.471 | | 92918 | 75421 |
| 3.507 | | 1421713 | 863171 |
| 3.529 | | 1496326 | 784952 |
| 3.547 | | 1410980 | 774304 |
| 3.594 | | 10142 | 9395 |
| 3.632 | | 650103 | 385715 |
| 3.655 | | 550982 | 297680 |
| 3.675 | | 853969 | 570408 |
| 3.705 | | 11457 | 4504 |
| 3.721 | | 731624 | 493533 |
| 3.761 | | 174546 | 148363 |
| 3.802 | | 170616 | 137907 |
| 3.832 | | 291409 | 170890 |
| 3.854 | | 6056053 | 3651097 |
| 3.879 | | 2081253 | 1235883 |
| 3.898 | | 1125251 | 586083 |

| | | | |
|---|---|---|---|
| 3.918 | | 1529584 | 925922 |
| 3.953 | | 6410543 | 4348959 |
| 3.984 | | 3606932 | 2143203 |
| 4 | | 960314 | 464021 |
| 4.023 | | 462705 | 271707 |
| 4.062 | | 645374 | 453095 |
| 4.096 | | 1594569 | 1182146 |
| 4.116 | | 42103 | 25466 |
| 4.152 | | 3321891 | 2401745 |
| 4.185 | | 1164794 | 888185 |
| 4.212 | | 10197500 | 7660743 |
| 4.25 | | 796902 | 716491 |
| 4.303 | | 5026140 | 4036135 |
| 4.34 | | 967090 | 733256 |
| 4.373 | | 5122909 | 3558151 |
| 4.396 | | 1248689 | 847792 |
| 4.44 | | 5209621 | 4420028 |
| 4.537 | | 3367607 | 3518673 |
| 4.589 | | 3436616 | 2643699 |
| 4.63 | | 1370451 | 1136651 |
| 4.668 | | 7440084 | 6496950 |
| 4.7 | | 245328 | 106222 |
| 4.713 | | 225257 | 114669 |
| 4.739 | | 540597 | 406365 |
| 4.796 | | 79050 | 95327 |
| 4.837 | | 88281 | 51183 |
| 4.855 | | 358591 | 254912 |
| 4.888 | | 789974 | 545884 |
| 4.911 | | 1937443 | 1464262 |
| 4.962 | | 776072 | 632458 |
| 4.997 | | 390129 | 307645 |
| 5.028 | | 243025 | 183918 |
| 5.06 | | 1408807 | 1021770 |
| 5.082 | | 1982942 | 1588993 |
| 5.123 | | 44208 | 28211 |
| 5.153 | | 77447 | 67597 |
| 5.22 | | 15941 | 11823 |
| 5.252 | | 7081 | 4599 |
| 5.275 | | 7989 | 4373 |
| 5.298 | | 277581 | 255116 |
| 5.341 | | 1730602 | 1806334 |
| 5.44 | | 7038 | 7131 |
| 5.497 | | 170219 | 142599 |
| 5.527 | | 18606 | 10306 |
| 5.545 | | 71235 | 49797 |
| 5.59 | | 359274 | 275557 |
| 5.616 | | 194292 | 144246 |
| 5.658 | | 19531 | 20048 |
| 5.697 | | 88190 | 64359 |
| 5.724 | | 368846 | 316916 |
| 5.757 | | 20623 | 14186 |
| 5.803 | | 11478 | 9735 |
| 5.925 | | 95408 | 86911 |
| 6.061 | | 16989 | 11264 |
| 6.084 | DCB | 69458 | 55921 |
| 6.122 | | 60144 | 55395 |
| 6.215 | | 8169 | 6930 |
| 6.258 | | 1362 | 934 |
| 6.284 | | 7754 | 6736 |
| 6.452 | | 2802 | 2219 |
| 6.619 | | 2482 | 4175 |
| 6.727 | | 1379 | 1078 |
| 6.863 | | 1781 | 2745 |
| 7.228 | | 1842 | 8416 |
| 7.52 | | 3812 | 5509 |
| 7.589 | | 1631 | 4449 |
| 8.164 | | 9418 | 17159 |

9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0078.RAW

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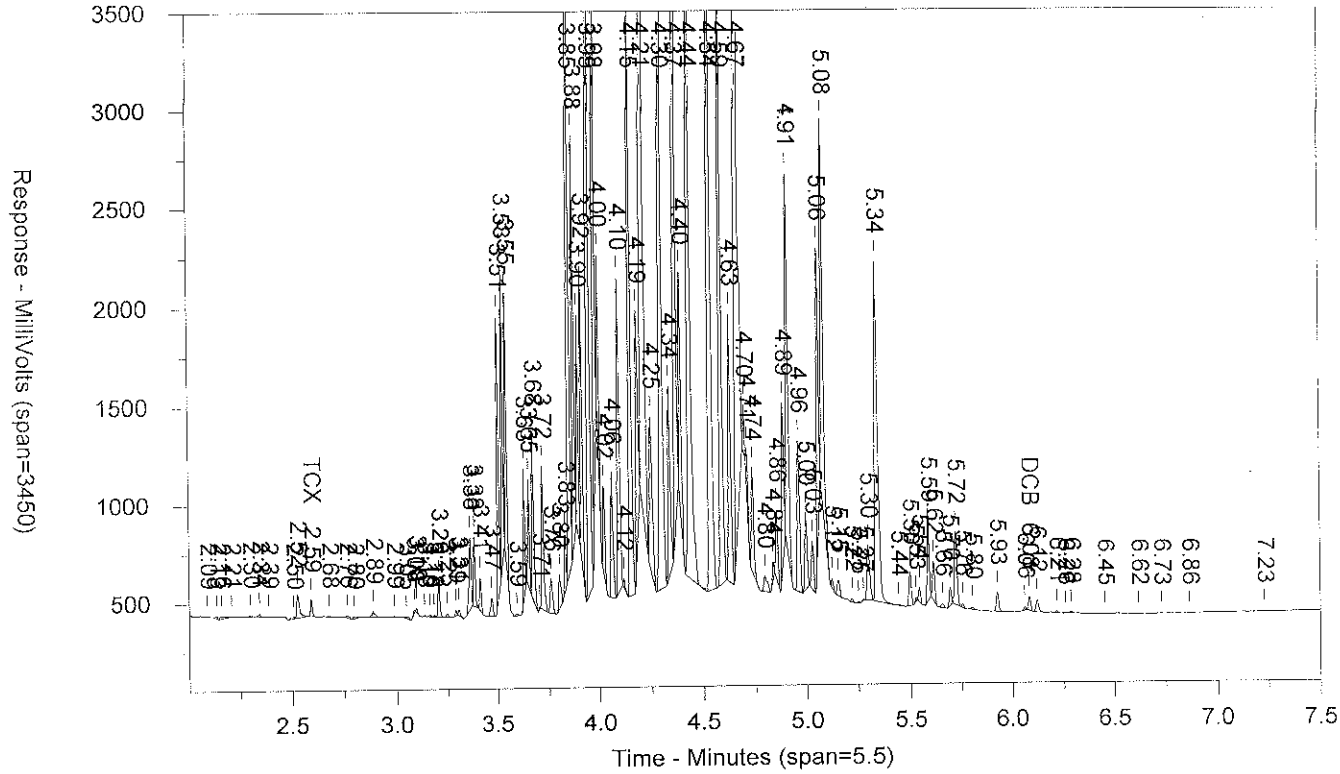


LANCASTER LABORATORIES

Sample Number: 9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:42:57 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.23
Dilution Factor: 2000

Threshold: 8
Calibration Type: external
Quantitation: Height

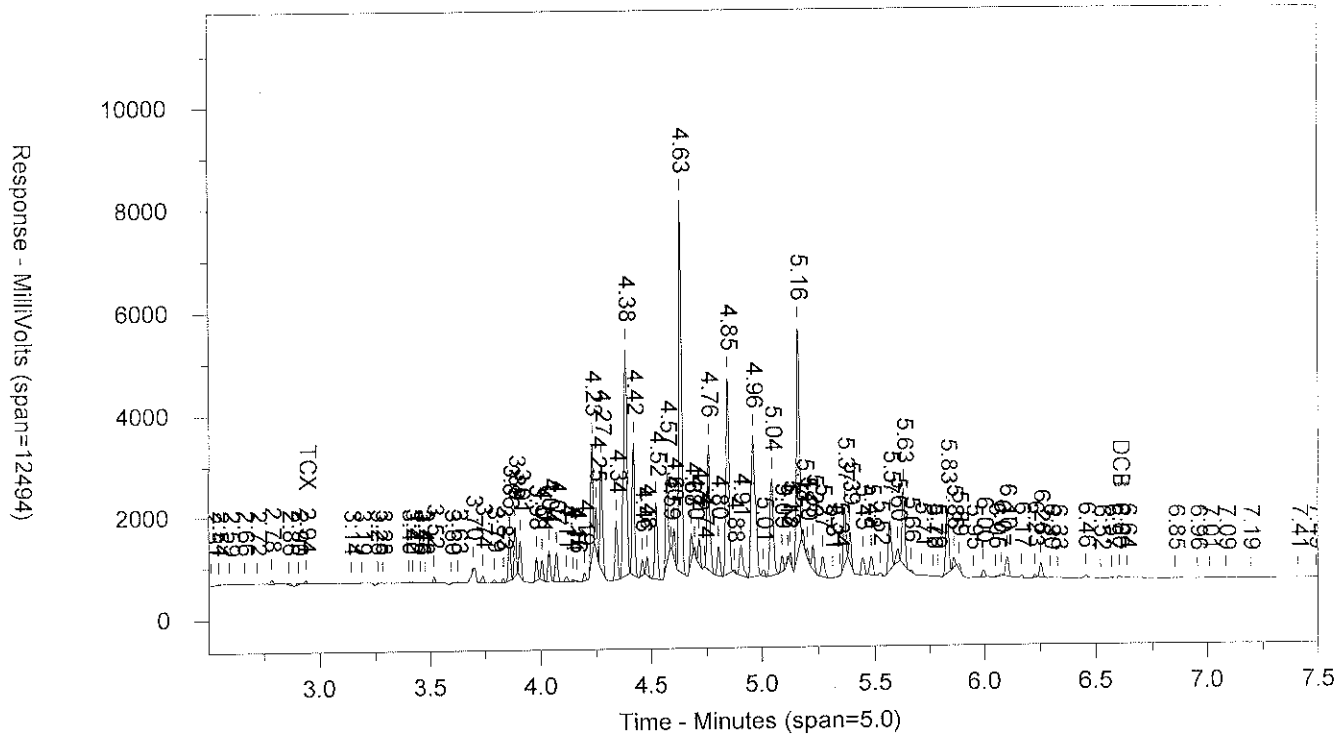
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 53917 | 38.454 | TCX | 2.591 | 86062 | 40.589 | TCX |
| 6.603 | 38253 | 37.063 | DCB | 6.084 | 69458 | 35.871 | DCB |

Files:
Area File: 07PCBS17284001.0078.RAW
Area File: 07PCBS17284001B.0078.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:51:38 AM
File Reported On: 10/12/2017 at 9:51:48 AM

9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0078.RAW

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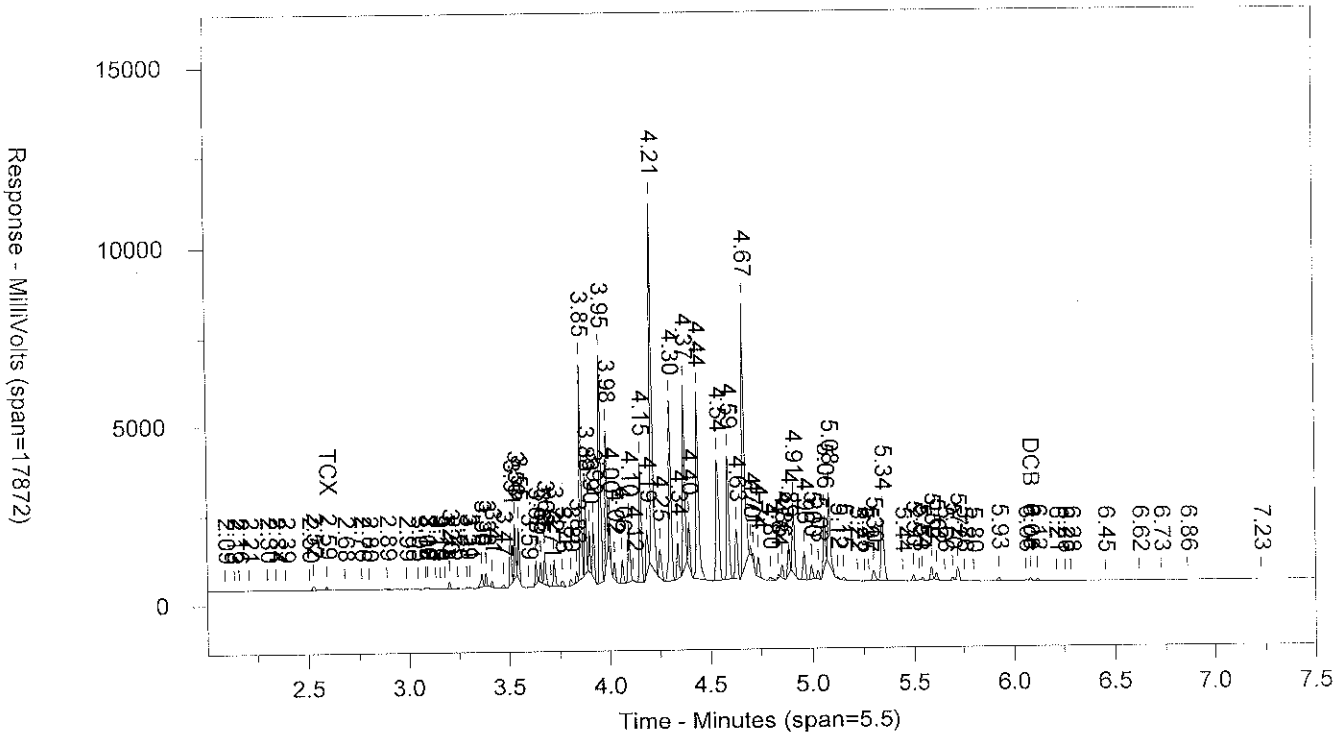
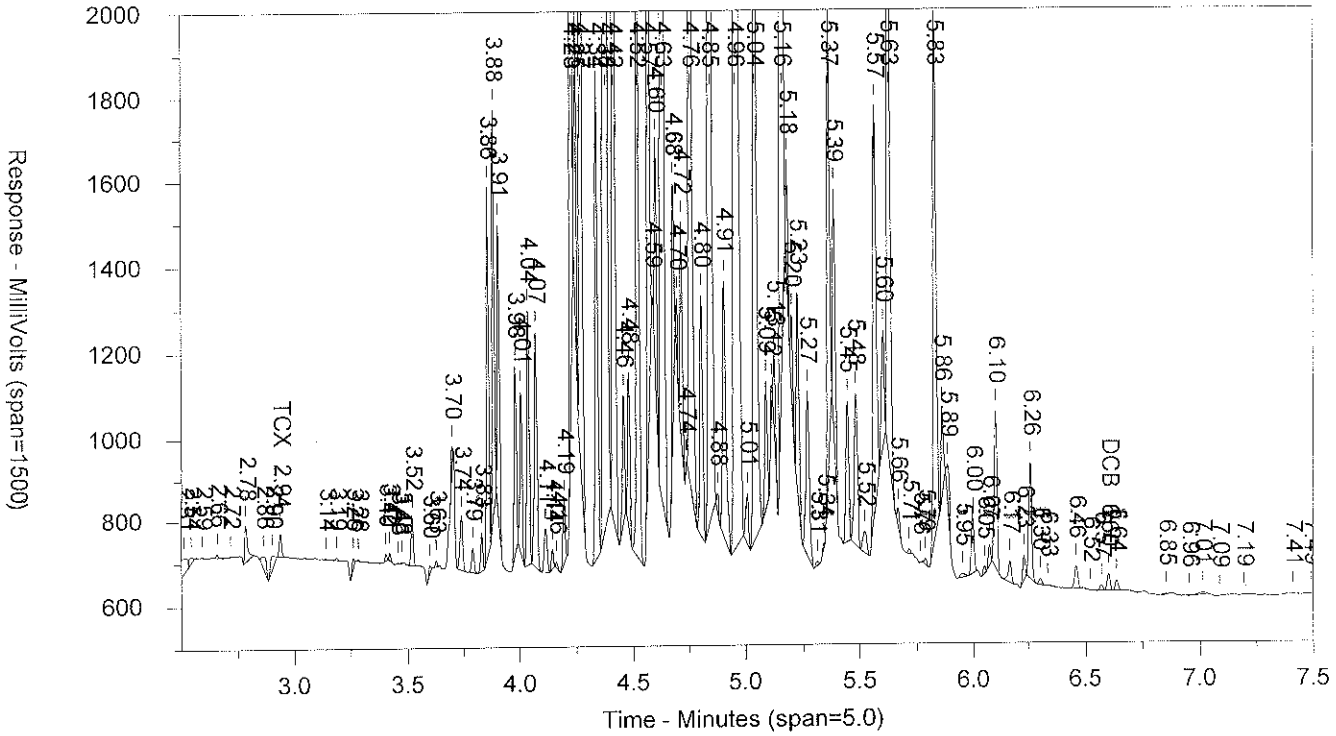
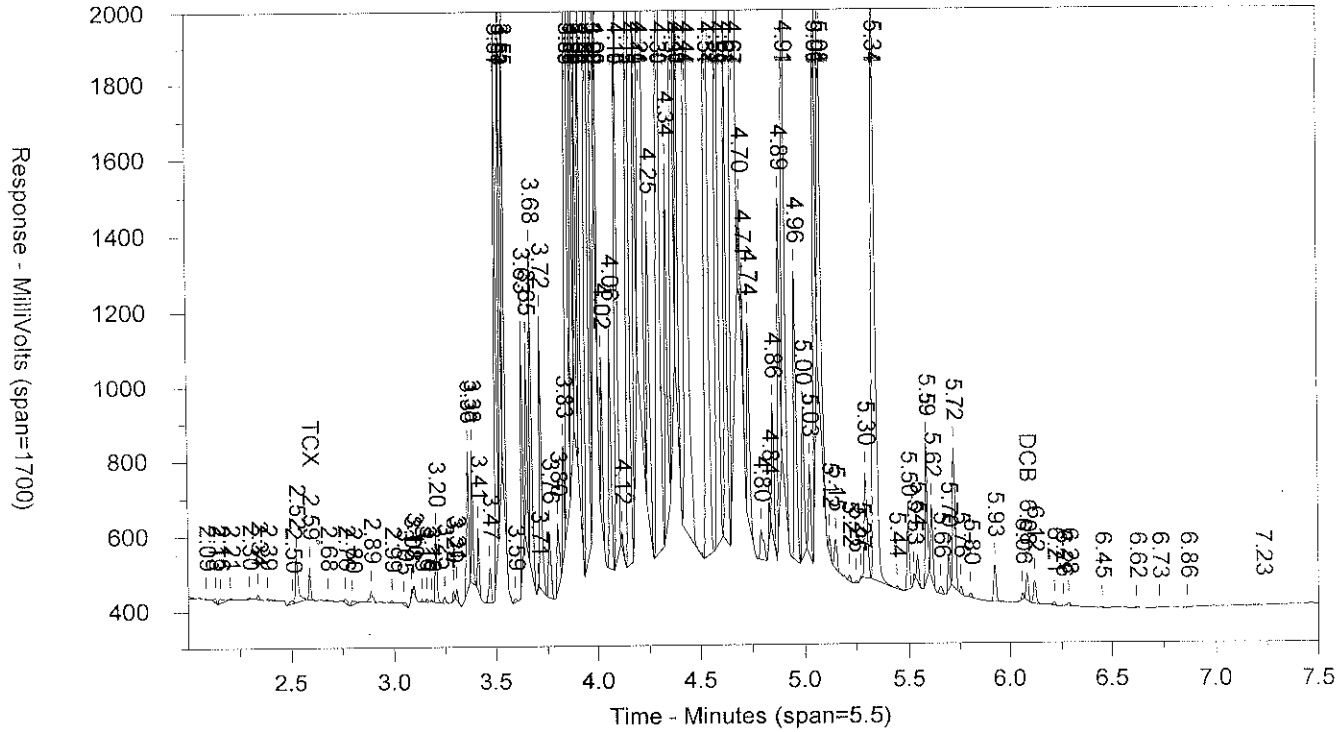


9229470 ACF DF200 AD99A01 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0078.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0078.RAW



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# Data Summary

**Sample Name: 9229471** ACF DF100 99A02 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:54:28 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0079.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 84% ( 61 - 152 ) Conc: 25.53433
%SSR(DCB) 91% ( 48 - 164 ) Conc: 24.60581

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:54:28 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0079.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 86% ( 61 - 152 ) Conc: 26.14074
%SSR(DCB) 84% ( 48 - 164 ) Conc: 22.69214

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 70485 | 25.53433 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 109119 | 26.14074 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 49998 | 24.60581 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 86504 | 22.69214 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 26.14074 | | | | 2.35 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 25.53433 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 26.14074 | | | | | |
| ☐ | Decachlorobiphenyl | A | 24.60581 | | | | 8.09 | |
| ☑ | Decachlorobiphenyl-D1 | A | 24.60581 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 22.69214 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **31.18** | |
| 4.21 | 4.23 | 4.25 | 1532650 | 19595.076623 | | | 1 |
| 4.55 | 4.57 | 4.59 | 1232743 | 14252.912765 | | | 3 |
| 5.02 | 5.05 | 5.06 | 1615111 | 26814.190505 | | | 5 |
| Height summation: | | | **4380504** | | | | |
| Concentration | | CF: | **20220.726631** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **11.99** | |
| 4.19 | 4.21 | 4.23 | 8998070 | 39268.269151 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5212991 | 47058.282354 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4835200 | 37834.999301 | | | 3 |
| Height summation: | | | **19046261** | | | | |
| Concentration | | CF: | **41387.183602** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **4.46** | |
| 5.37 | 5.39 | 5.41 | 996273.6 | 12546.742374 | | | 4 |
| 5.61 | 5.63 | 5.65 | 2956251 | 11951.519646 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2194511 | 13067.921426 | | | 6 |
| Height summation: | | | **6147035.6** | | | | |
| Concentration | | CF: | **12522.061149** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **13.79** | |
| 4.87 | 4.89 | 4.91 | 1450284 | 10735.600857 | | | 4 |
| 5.06 | 5.08 | 5.10 | 3986326 | 12570.986274 | | | 5 |
| 5.32 | 5.34 | 5.36 | 2940268 | 14179.671853 | | | 6 |
| Height summation: | | | **8376878** | | | | |
| Concentration | | CF: | **12495.419661** | L: | | | |

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:25

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Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229471** ACF DF100 99A02 Sample ID: AC **Batchnumber: 172820027A**

Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE

**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:54:28 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0079.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 09:54:28 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0079.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <5064.5484 | <983.1182 | D1 | | 4 | |
| ☑ PCB-1221 | | | <5064.5484 | <1519.3645 | D1 | | 3 | |
| ☑ PCB-1232 | | | <5064.5484 | <1221.4499 | D1 | | 4 | |
| ☑ PCB-1242 | | | <5064.5484 | <1221.4499 | D1 | | 4 | |
| ☑ PCB-1248 | | | <5064.5484 | <983.1182 | D1 | | 4 | |
| ☑ PCB-1254 | A | 20220.726631 | 5064.5484 | 1310.8243 | PD1 | 68.71 | 4 | |
| ☑ PCB-1260 | A | 12522.061149 | 5064.5484 | 1161.867 | D1 | 0.21 | 4 | |

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:25

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229471** ACF DF100 99A02 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0079.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 84% (61-152) Conc.: 25.53433
%SSR(DCB) : 91% (48-164) Conc.: 24.60581

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 91.99 | |
| 3.17 | 3.19 | 3.21 | 16310.16 | 336.80951 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 63882.51 | 1258.39009 | | | 2 |
| 3.38 | 3.42 | 3.42 | 130636 | 2573.334201 | | | 2 |
| 3.50 | 3.52 | 3.54 | 1091050 | 17893.077126 | | | 3 |
| 3.71 | 3.74 | 3.75 | 969486.8 | 13084.408005 | | | 4 |
| 3.77 | 3.79 | 3.81 | 110493.8 | 1694.017145 | | | 5 |
| 3.96 | 3.98 | 4.00 | 625623.9 | 12576.690836 | | | 6 |
| Height Summation: | | | **2943600.66** | | | | |
| Amount Avg CF: | | | **8026.38947** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 60.51 | |
| 3.07 | 3.09 | 3.11 | 15000.38 | 601.089176 | | | 1 |
| 3.17 | 3.19 | 3.21 | 16310.16 | 240.837459 | | | 3 |
| Height Summation: | | | **31310.54** | | | | |
| Amount Avg CF: | | | **420.963318** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 92.07 | |
| 3.17 | 3.19 | 3.21 | 16310.16 | 289.810791 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 63882.51 | 2794.424053 | | | 2 |
| 3.38 | 3.42 | 3.42 | 130636 | 5714.433897 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 1091050 | 39299.09057 | | | 3 |
| E 3.71 | 3.74 | 3.75 | 969486.8 | 28841.522658 | | | 4 |
| 3.77 | 3.79 | 3.81 | 110493.8 | 4020.373018 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 625623.9 | 33189.197544 | | | 6 |
| Height Summation: | | | **2943600.66** | | | | |
| Amount Avg CF: | | | **18559.071413** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 92.28 | |
| 3.17 | 3.19 | 3.21 | 16310.16 | 241.985369 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 63882.51 | 936.979642 | | | 2 |
| 3.38 | 3.42 | 3.42 | 130636 | 1916.068616 | | | 2 |
| 3.50 | 3.52 | 3.54 | 1091050 | 13434.219096 | | | 3 |
| 3.71 | 3.74 | 3.75 | 969486.8 | 9532.49862 | | | 4 |
| 3.77 | 3.79 | 3.81 | 110493.8 | 1266.338749 | | | 5 |
| 3.96 | 3.98 | 4.00 | 625623.9 | 9415.496947 | | | 6 |
| Height Summation: | | | **2943600.66** | | | | |
| Amount Avg CF: | | | **5967.7679** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 59.51 | |
| 3.71 | 3.74 | 3.75 | 969486.8 | 29355.213619 | | | 1 |
| 3.77 | 3.79 | 3.81 | 110493.8 | 3057.770329 | | | 2 |
| 3.84 | 3.86 | 3.88 | 1401155 | 22649.574755 | | | 3 |
| 3.96 | 3.98 | 4.00 | 625623.9 | 9015.065658 | | | 4 |
| 4.05 | 4.07 | 4.09 | 814471.2 | 12965.258428 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1532650 | 21952.131948 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 931129.2 | 13336.555025 | | | 6 |
| Height Summation: | | | **5453880.7** | | | | |
| Amount Avg CF: | | | **16499.169123** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0079.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 86% (61-152) Conc.: 26.14074
%SSR(DCB) : 84% (48-164) Conc.: 22.69214

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 148.86 | |
| 2.86 | 2.89 | 2.90 | 49784.05 | 706.224668 | | | 1 |
| 3.19 | 3.20 | 3.23 | 1721160 | 19463.00913 | | | 2 |
| 3.38 | 3.38 | 3.42 | 2101762 | 23094.340912 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 1484541 | 16312.263687 | | | 3 |
| 3.45 | 3.46 | 3.49 | 215094.3 | 2228.253594 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 5104453 | 70155.209674 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 7976552 | 109629.117563 | | | 5 |
| 3.61 | 3.63 | 3.65 | 885695.9 | 10739.667747 | | | 6 |
| Height Summation: | | | **12950048.25** | | | | |
| Amount Avg CF: | | | **27643.435602** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 65.05 | |
| 2.74 | 2.77 | 2.78 | 26568.95 | 629.264388 | | | 1 |
| 2.80 | 2.81 | 2.84 | 2964.741 | 112.845858 | | | 2 |
| 2.86 | 2.89 | 2.90 | 49784.05 | 490.286767 | | | 3 |
| Height Summation: | | | **79317.741** | | | | |
| Amount Avg CF: | | | **410.799004** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 157.24 | |
| 2.86 | 2.89 | 2.90 | 49784.05 | 610.545007 | | | 1 |
| E 3.19 | 3.20 | 3.23 | 1721160 | 42514.826358 | | | 2 |
| E 3.38 | 3.38 | 3.42 | 2101762 | 51515.402777 | | | 3 |
| E+ 3.38 | 3.41 | 3.42 | 1484541 | 36386.95892 | | | 3 |
| 3.45 | 3.46 | 3.49 | 215094.3 | 5215.130398 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 5104453 | 182912.361235 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 7976552 | 285830.814943 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 885695.9 | 27133.619794 | | | 6 |
| Height Summation: | | | **12950048.25** | | | | |
| Amount Avg CF: | | | **68803.38988** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 151.42 | |
| 2.86 | 2.89 | 2.90 | 49784.05 | 497.58178 | | | 1 |
| 3.19 | 3.20 | 3.23 | 1721160 | 14076.815121 | | | 2 |
| 3.38 | 3.38 | 3.42 | 2101762 | 17203.975803 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 1484541 | 12151.71244 | | | 3 |
| 3.45 | 3.46 | 3.49 | 215094.3 | 1607.970525 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 5104453 | 53933.76406 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 7976552 | 84280.426047 | | | 5 |
| 3.61 | 3.63 | 3.65 | 885695.9 | 8030.509338 | | | 6 |
| Height Summation: | | | **12950048.25** | | | | |
| Amount Avg CF: | | | **20949.546436** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229471** ACF DF100 99A02 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0079.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 57.18 | |
| 4.21 | 4.23 | 4.25 | 1532650 | 19595.076623 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1771137 | 67839.803479 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1232743 | 14252.912765 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 108279.7 | 1251.924463 | | | 3 |
| 4.61 | 4.63 | 4.65 | 6566160 | 38081.817563 | | | 4 |
| 5.02 | 5.05 | 5.06 | 1615111 | 26814.190505 | | | 5 |
| 5.14 | 5.16 | 5.18 | 5481222 | 56709.026377 | | | 6 |
| Height Summation: | | | **18199023** | | | | |
| Amount Avg CF: | | | **37215.471219** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 50.80 | |
| + 4.74 | 4.74 | 4.78 | 106580.8 | 912.977916 | | | 1 |
| 4.74 | 4.76 | 4.78 | 2731225 | 23395.847163 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3556988 | 30135.102587 | | | 2 |
| 5.14 | 5.16 | 5.18 | 5481222 | 38193.69295 | | | 3 |
| 5.37 | 5.39 | 5.41 | 996273.6 | 12546.742374 | | | 4 |
| 5.61 | 5.63 | 5.65 | 2956251 | 11951.519646 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2194511 | 13067.921426 | | | 6 |
| Height Summation: | | | **17916470.6** | | | | |
| Amount Avg CF: | | | **21548.471024** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 42.22 | |
| 5.21 | 5.23 | 5.25 | 915949.6 | 6059.244499 | | | 1 |
| 5.37 | 5.39 | 5.41 | 996273.6 | 9232.429557 | | | 2 |
| 5.61 | 5.63 | 5.65 | 2956251 | 10294.071678 | | | 3 |
| 5.81 | 5.83 | 5.85 | 2194511 | 9845.071999 | | | 4 |
| 5.87 | 5.89 | 5.91 | 288209.2 | 2566.448258 | | | 5 |
| 6.24 | 6.26 | 6.28 | 607172.6 | 5415.354031 | | | 6 |
| Height Summation: | | | **7958367** | | | | |
| Amount Avg CF: | | | **7235.43667** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 102.94 | |
| 5.81 | 5.83 | 5.85 | 2194511 | 5084.218599 | | | 1 |
| 5.87 | 5.89 | 5.91 | 288209.2 | 757.70849 | | | 2 |
| 6.00 | 6.02 | 6.04 | 15892.48 | 47.224643 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 82155.85 | 977.759128 | | | 4 |
| 6.06 | 6.10 | 6.10 | 629777.8 | 7495.156977 | | | 4 |
| 6.23 | 6.26 | 6.27 | 607172.6 | 4950.615275 | | | 5 |
| 6.43 | 6.46 | 6.47 | 122944.6 | 140.559809 | | | 6 |
| Height Summation: | | | **3858507.68** | | | | |
| Amount Avg CF: | | | **3079.247299** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0079.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 84.96 | |
| 3.38 | 3.38 | 3.42 | 2101762 | 56730.099582 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 1484541 | 40070.264266 | | | 1 |
| 3.45 | 3.46 | 3.49 | 215094.3 | 3919.357065 | | | 2 |
| 3.49 | 3.51 | 3.53 | 2247625 | 24037.705501 | | | 3 |
| 3.61 | 3.63 | 3.65 | 885695.9 | 7971.760302 | | | 4 |
| 3.70 | 3.72 | 3.74 | 1055428 | 13124.56085 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4924588 | 32410.760766 | | | 6 |
| Height Summation: | | | **11430193.2** | | | | |
| Amount Avg CF: | | | **23032.374011** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 33.02 | |
| 4.19 | 4.21 | 4.23 | 8998070 | 39268.269151 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5212991 | 47058.282354 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4835200 | 37834.999301 | | | 3 |
| 4.42 | 4.44 | 4.46 | 6232238 | 68677.871458 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2525158 | 25523.795358 | | | 5 |
| 4.65 | 4.67 | 4.69 | 9121806 | 55448.353423 | | | 6 |
| Height Summation: | | | **36925463** | | | | |
| Amount Avg CF: | | | **45635.261841** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 60.13 | |
| 4.42 | 4.44 | 4.46 | 6232238 | 30003.617986 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3466502 | 22236.130367 | | | 2 |
| 4.65 | 4.67 | 4.69 | 9121806 | 46311.041316 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1450284 | 10735.600857 | | | 4 |
| 5.06 | 5.08 | 5.10 | 3986326 | 12570.986274 | | | 5 |
| 5.32 | 5.34 | 5.36 | 2940268 | 14179.671853 | | | 6 |
| Height Summation: | | | **27197424** | | | | |
| Amount Avg CF: | | | **22672.841442** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 42.52 | |
| 4.68 | 4.70 | 4.72 | 919511.8 | 4300.19853 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1450284 | 6919.208502 | | | 2 |
| 5.06 | 5.08 | 5.10 | 3986326 | 9522.784174 | | | 3 |
| 5.28 | 5.30 | 5.32 | 603387.4 | 3540.099519 | | | 4 |
| 5.33 | 5.34 | 5.36 | 2940268 | 10645.450558 | | | 5 |
| 5.71 | 5.72 | 5.74 | 882425.9 | 5437.82101 | | | 6 |
| Height Summation: | | | **10782203.1** | | | | |
| Amount Avg CF: | | | **6727.593715** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 107.68 | |
| 5.28 | 5.30 | 5.32 | 603387.4 | 1238.931454 | | | 1 |
| 5.33 | 5.34 | 5.36 | 2940268 | 6406.592066 | | | 2 |
| 5.48 | 5.50 | 5.52 | 206702.4 | 477.339356 | | | 3 |
| 5.70 | 5.72 | 5.74 | 882425.9 | 4865.278561 | | | 5 |
| 5.90 | 5.93 | 5.94 | 207340.1 | 145.799366 | | | 6 |
| Height Summation: | | | **4840123.8** | | | | |
| Amount Avg CF: | | | **2626.788161** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 5064.5484 | 983.1182 | | ** 109.99 | 4 | 40 | |
| Aroclor-1221 | | | 5064.5484 | 1519.3645 | | 2.44 | 3 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229471** ACF DF100 99A02 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0079.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:54:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0079.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1232 | | | 5064.5484 | 1221.4499 | E | ** 115.02 | 4 | 40 | |
| Aroclor-1242 | | | 5064.5484 | 1221.4499 | | ** 111.32 | 4 | 40 | |
| Aroclor-1248 | | | 5064.5484 | 983.1182 | | 33.05 | 4 | 40 | |
| Aroclor-1254 | | | 5064.5484 | 1310.8243 | | 20.33 | 4 | 40 | |
| Aroclor-1260 | | | 5064.5484 | 1161.867 | | 5.09 | 4 | 40 | |
| Aroclor-1262 | | | 5064.5484 | 983.1182 | | 7.27 | 4 | 40 | |
| Aroclor-1268 | | | 5064.5484 | 983.1182 | | 15.86 | 4 | 40 | |

Units: ug/kg

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Sample Number: 9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:54:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0079.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.582 | | 77034 | 78498 |
| 1.688 | | 53718 | 45254 |
| 1.842 | | 1491 | 691 |
| 2.053 | | 39473 | 64032 |
| 2.09 | | 8279 | 11338 |
| 2.209 | | 29400 | 18131 |
| 2.333 | | 9278 | 5956 |
| 2.39 | | 2985 | 3488 |
| 2.5 | | 30413 | 29501 |
| 2.524 | | 23466 | 36427 |
| 2.578 | | 5599 | 12775 |
| 2.642 | | 3552 | 1510 |
| 2.66 | | 15865 | 9339 |
| 2.9 | | 19424 | 23829 |
| 2.937 | TCX | 70485 | 47183 |
| 3.045 | | 8850 | 6579 |
| 3.091 | | 15000 | 13756 |
| 3.19 | | 16310 | 12643 |
| 3.237 | | 13560 | 7816 |
| 3.258 | | 30495 | 19479 |
| 3.282 | | 28957 | 20312 |
| 3.404 | | 63883 | 35463 |
| 3.421 | | 130636 | 80808 |
| 3.458 | | 19312 | 11109 |
| 3.483 | | 7787 | 6144 |
| 3.519 | | 1091050 | 757266 |
| 3.586 | | 30702 | 21489 |
| 3.626 | | 47852 | 28852 |
| 3.642 | | 10684 | 4955 |
| 3.696 | | 2067246 | 2530621 |
| 3.74 | | 969487 | 711321 |
| 3.791 | | 110494 | 80207 |
| 3.831 | | 505726 | 390942 |
| 3.859 | | 1401155 | 1006401 |
| 3.885 | | 3427005 | 2213959 |
| 3.908 | | 4752162 | 3241829 |
| 3.982 | | 625624 | 423690 |
| 4.006 | | 1353676 | 992698 |
| 4.037 | | 2233342 | 1710664 |
| 4.07 | | 814471 | 763760 |
| 4.116 | | 280655 | 229029 |
| 4.143 | | 223035 | 155971 |
| 4.161 | | 27854 | 12703 |
| 4.196 | | 369376 | 293125 |
| 4.23 | | 1532650 | 1033324 |
| 4.248 | | 931129 | 532054 |
| 4.273 | | 4688783 | 3911394 |
| 4.311 | | 19250 | 11993 |
| 4.342 | | 1771137 | 1455590 |
| 4.383 | | 3855711 | 4337777 |
| 4.418 | | 2625287 | 2141867 |
| 4.458 | | 715175 | 538195 |
| 4.481 | | 495207 | 348846 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.503 | | 15776 | 6376 |
| 4.523 | | 1070239 | 871441 |
| 4.572 | | 1232743 | 932070 |
| 4.589 | | 108280 | 42609 |
| 4.603 | | 308288 | 182361 |
| 4.634 | | 6566160 | 5602621 |
| 4.683 | | 854398 | 633956 |
| 4.697 | | 127154 | 54105 |
| 4.718 | | 271955 | 164079 |
| 4.739 | | 106581 | 56244 |
| 4.758 | | 2731225 | 2290568 |
| 4.805 | | 758842 | 663598 |
| 4.846 | | 3630024 | 3489850 |
| 4.877 | | 36994 | 21357 |
| 4.905 | | 718390 | 697007 |
| 4.957 | | 3556988 | 4372501 |
| 5.008 | | 230281 | 191015 |
| 5.046 | | 1615111 | 1776627 |
| 5.091 | | 312217 | 234478 |
| 5.128 | | 433849 | 546284 |
| 5.162 | | 5481222 | 4849908 |
| 5.185 | | 308032 | 149197 |
| 5.203 | | 133069 | 79687 |
| 5.229 | | 915950 | 758854 |
| 5.271 | | 657706 | 671429 |
| 5.305 | | 3584 | 2278 |
| 5.343 | | 14336 | 8550 |
| 5.368 | | 1071287 | 814423 |
| 5.391 | | 996274 | 749958 |
| 5.447 | | 602104 | 516548 |
| 5.485 | | 523476 | 520529 |
| 5.525 | | 55087 | 69025 |
| 5.567 | | 1089138 | 1040019 |
| 5.602 | | 254379 | 204206 |
| 5.627 | | 2956251 | 2725123 |
| 5.662 | | 49209 | 34513 |
| 5.712 | | 30858 | 31476 |
| 5.744 | | 5055 | 3135 |
| 5.773 | | 3862 | 2685 |
| 5.787 | | 11490 | 9454 |
| 5.832 | | 2194511 | 2102891 |
| 5.862 | | 265809 | 189240 |
| 5.886 | | 288209 | 283798 |
| 5.998 | | 151267 | 135840 |
| 6.022 | | 15892 | 9678 |
| 6.051 | | 23949 | 16549 |
| 6.074 | | 82156 | 59289 |
| 6.101 | | 629778 | 578307 |
| 6.167 | | 66646 | 64052 |
| 6.201 | | 6007 | 3702 |
| 6.229 | | 69732 | 53854 |
| 6.256 | | 607173 | 587467 |
| 6.301 | | 40828 | 36687 |
| 6.457 | | 122945 | 119846 |
| 6.57 | | 19408 | 17017 |
| 6.603 | DCB | 49998 | 48034 |
| 6.638 | | 37485 | 36030 |
| 6.845 | | 1723 | 633 |
| 6.938 | | 1802 | 777 |
| 7.107 | | 1450 | 592 |
| 7.199 | | 1351 | 1330 |
| 7.289 | | 956 | 680 |
| 7.315 | | 1261 | 487 |
| 7.536 | | 1439 | 352 |
| 7.606 | | 1577 | 490 |
| 7.65 | | 1424 | 251 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.804 | | 1256 | 718 |
| 7.951 | | 2126 | 553 |
| 7.966 | | 1467 | 396 |
| 8.047 | | 1149 | 1104 |
| 8.284 | | 1380 | 392 |
| 8.394 | | 1277 | 761 |
| 8.451 | | 1622 | 1150 |
| 8.505 | | 1369 | 246 |
| 8.554 | | 1498 | 903 |
| 8.651 | | 1703 | 338 |
| 8.671 | | 1218 | 280 |

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Sample Number: 9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:54:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0079.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.608 | | 2373 | 2134 |
| 1.71 | | 2122 | 1035 |
| 1.771 | | 18822 | 16474 |
| 1.794 | | 10317 | 9506 |
| 1.818 | | 11455 | 15899 |
| 1.85 | | 13044 | 28066 |
| 1.899 | | 20947 | 22380 |
| 1.932 | | 55485 | 49534 |
| 1.967 | | 13222 | 32231 |
| 2.023 | | 7263 | 10278 |
| 2.123 | | 5120 | 7207 |
| 2.156 | | 4953 | 4148 |
| 2.207 | | 1814 | 1023 |
| 2.298 | | 4895 | 7338 |
| 2.321 | | 3252 | 1525 |
| 2.34 | | 23079 | 13445 |
| 2.414 | | 4084 | 3655 |
| 2.488 | | 4961 | 3578 |
| 2.509 | | 3834 | 2515 |
| 2.591 | TCX | 109119 | 68257 |
| 2.636 | | 5502 | 5804 |
| 2.69 | | 5529 | 5663 |
| 2.766 | | 26569 | 27620 |
| 2.81 | | 2965 | 4213 |
| 2.888 | | 49784 | 56626 |
| 2.988 | | 46703 | 32963 |
| 3.031 | | 4970 | 12334 |
| 3.085 | | 45606 | 24355 |
| 3.096 | | 155351 | 81937 |
| 3.135 | | 31189 | 18072 |
| 3.16 | | 7118 | 4373 |
| 3.182 | | 10070 | 5040 |
| 3.204 | | 1721160 | 1052699 |
| 3.245 | | 12973 | 9112 |
| 3.291 | | 150139 | 136089 |
| 3.364 | | 2712642 | 1729114 |
| 3.383 | | 2101762 | 1176775 |
| 3.414 | | 1484541 | 891297 |
| 3.464 | | 215094 | 223753 |
| 3.507 | | 2247625 | 1422834 |
| 3.53 | | 5104453 | 2621123 |
| 3.547 | | 7976552 | 4502177 |
| 3.593 | | 5259 | 4168 |
| 3.633 | | 885696 | 479512 |
| 3.655 | | 2032011 | 1135568 |
| 3.676 | | 3660907 | 2286130 |
| 3.721 | | 1055429 | 807080 |
| 3.759 | | 433997 | 358413 |
| 3.811 | | 283368 | 275748 |
| 3.832 | | 166339 | 91443 |
| 3.854 | | 4924589 | 3121631 |
| 3.879 | | 4787251 | 2796369 |
| 3.898 | | 2230854 | 1179196 |
| 3.918 | | 2351234 | 1390597 |

| | | | |
|---|---|---|---|
| 3.953 | | 5952207 | 4088385 |
| 3.984 | | 3536780 | 2155807 |
| 4.001 | | 818567 | 385250 |
| 4.024 | | 1114037 | 739407 |
| 4.062 | | 898632 | 681640 |
| 4.096 | | 1314828 | 902933 |
| 4.117 | | 110245 | 60251 |
| 4.153 | | 2479401 | 1784028 |
| 4.186 | | 787825 | 698328 |
| 4.212 | | 8998070 | 7225639 |
| 4.25 | | 928282 | 775263 |
| 4.304 | | 5212991 | 4441965 |
| 4.34 | | 1283815 | 1006450 |
| 4.373 | | 4835200 | 3321131 |
| 4.397 | | 1536611 | 1076251 |
| 4.44 | | 6232239 | 5278799 |
| 4.492 | | 8909 | 4070 |
| 4.504 | | 19266 | 11353 |
| 4.538 | | 3466502 | 3638023 |
| 4.59 | | 2525159 | 2044449 |
| 4.631 | | 1556468 | 1341949 |
| 4.668 | | 9121806 | 7579624 |
| 4.701 | | 919512 | 721471 |
| 4.739 | | 926144 | 705731 |
| 4.797 | | 48781 | 30552 |
| 4.809 | | 21833 | 11039 |
| 4.838 | | 161056 | 96794 |
| 4.855 | | 376584 | 262824 |
| 4.888 | | 1450284 | 1018810 |
| 4.911 | | 1769630 | 1326984 |
| 4.962 | | 1198914 | 1035937 |
| 4.997 | | 606993 | 454174 |
| 5.028 | | 391541 | 313845 |
| 5.06 | | 1412076 | 975050 |
| 5.083 | | 3986326 | 3102087 |
| 5.124 | | 83740 | 57053 |
| 5.154 | | 136884 | 112567 |
| 5.194 | | 5524 | 3869 |
| 5.22 | | 31669 | 21734 |
| 5.253 | | 15020 | 10903 |
| 5.275 | | 18405 | 11012 |
| 5.298 | | 603387 | 526765 |
| 5.341 | | 2940268 | 3157389 |
| 5.44 | | 7840 | 8347 |
| 5.497 | | 206702 | 172082 |
| 5.528 | | 18839 | 12298 |
| 5.544 | | 115930 | 80678 |
| 5.59 | | 466405 | 361344 |
| 5.616 | | 403536 | 309849 |
| 5.659 | | 25035 | 27338 |
| 5.698 | | 114415 | 81918 |
| 5.725 | | 882426 | 723980 |
| 5.756 | | 49132 | 35510 |
| 5.803 | | 17132 | 15763 |
| 5.925 | | 207340 | 178138 |
| 6.061 | | 24577 | 16123 |
| 6.084 | DCB | 86504 | 68716 |
| 6.121 | | 89337 | 78186 |
| 6.214 | | 9543 | 7723 |
| 6.259 | | 3611 | 3030 |
| 6.286 | | 9300 | 8213 |
| 6.451 | | 5219 | 5254 |
| 7.366 | | 1635 | 3445 |
| 7.518 | | 5260 | 12623 |
| 8.063 | | 3496 | 4992 |
| 8.163 | | 9787 | 19255 |
| 8.371 | | 7977 | 13798 |

9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082

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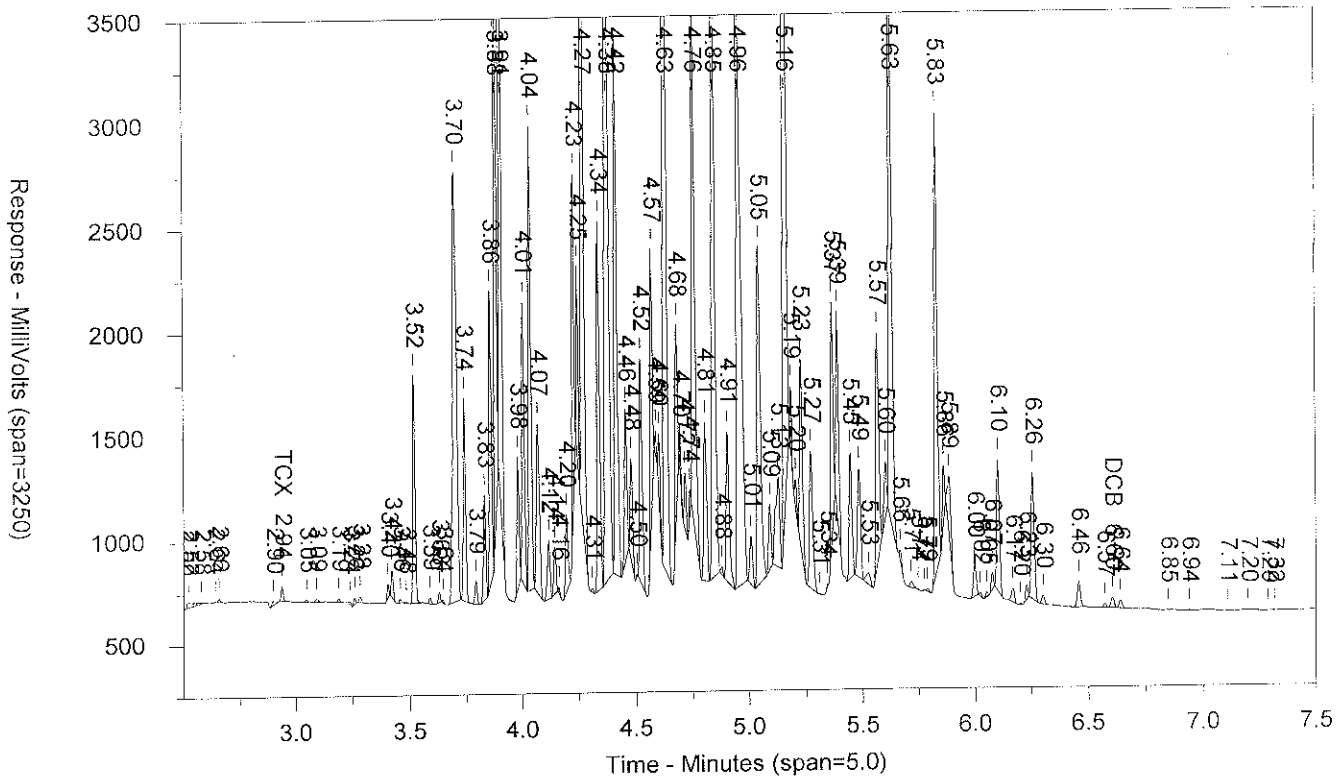


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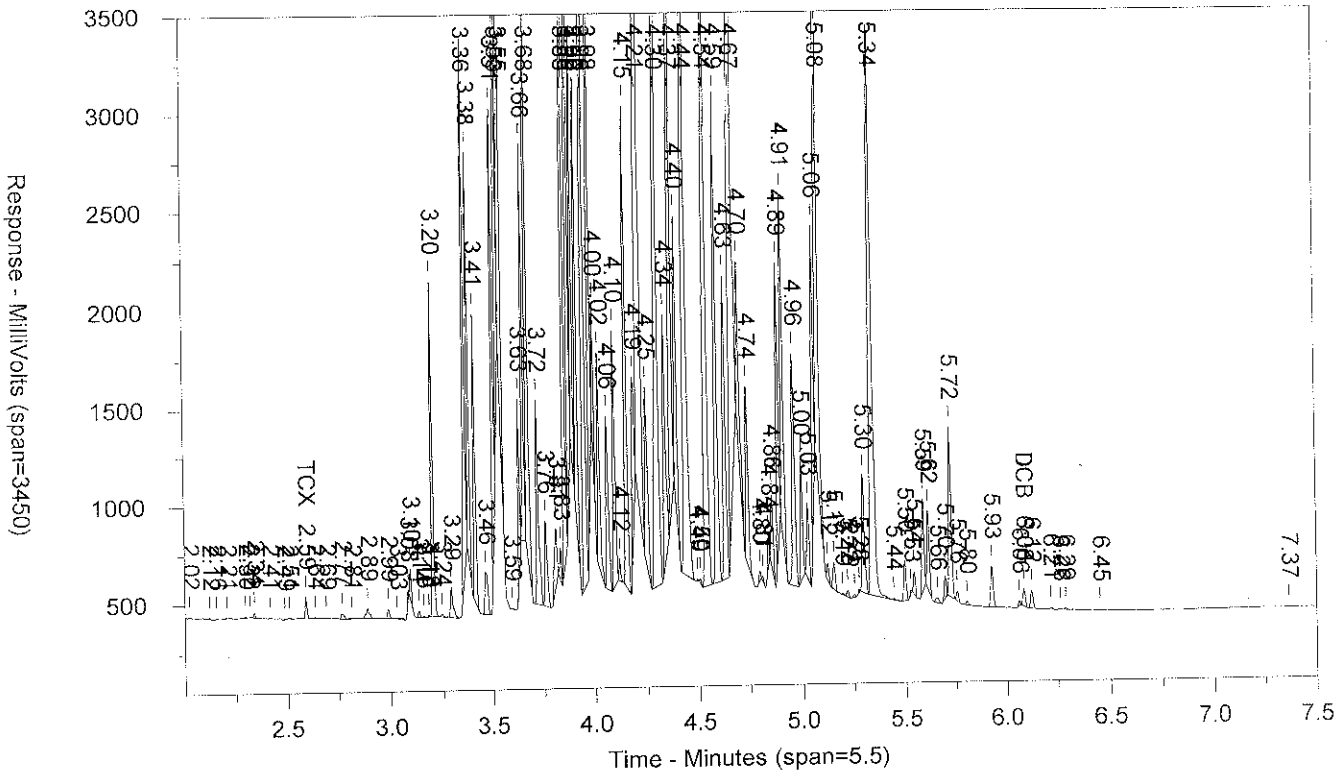


LANCASTER LABORATORIES

Sample Number: 9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:54:28 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.07
Dilution Factor: 1000

Threshold: 8
Calibration Type: external
Quantitation: Height

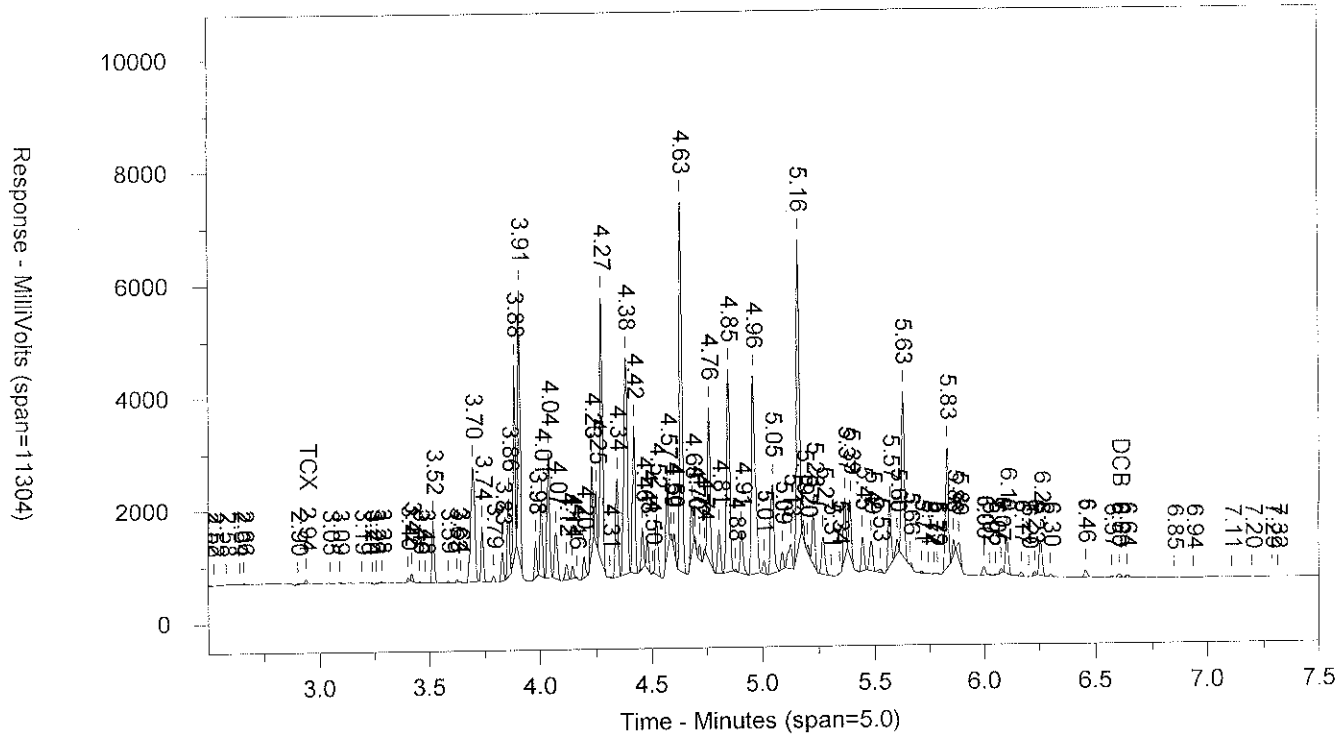
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 70485 | 25.534 | TCX | 2.591 | 109119 | 26.141 | TCX |
| 6.603 | 49998 | 24.606 | DCB | 6.084 | 86504 | 22.692 | DCB |

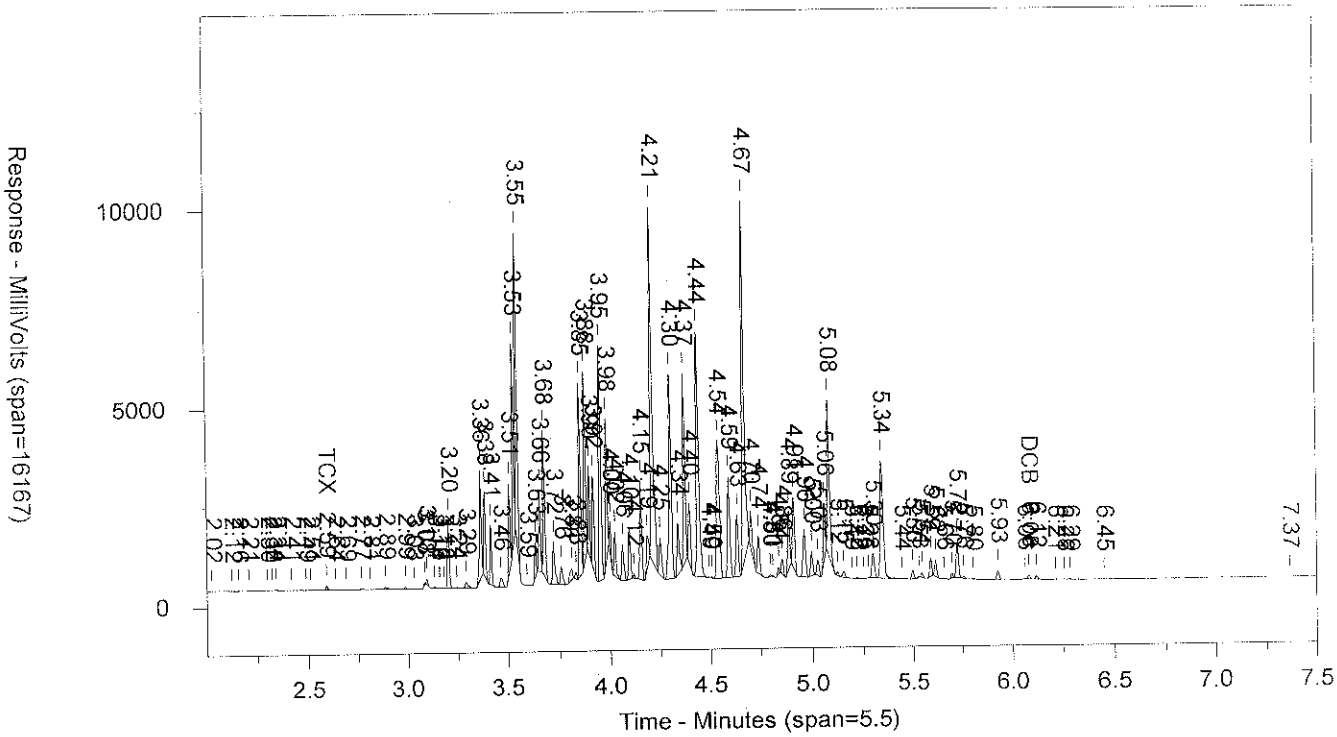
Files:
Area File: 07PCBS17284001.0079.RAW
Area File: 07PCBS17284001B.0079.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 10:03:12 AM
File Reported On: 10/12/2017 at 10:03:22 AM

9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0079.RAW

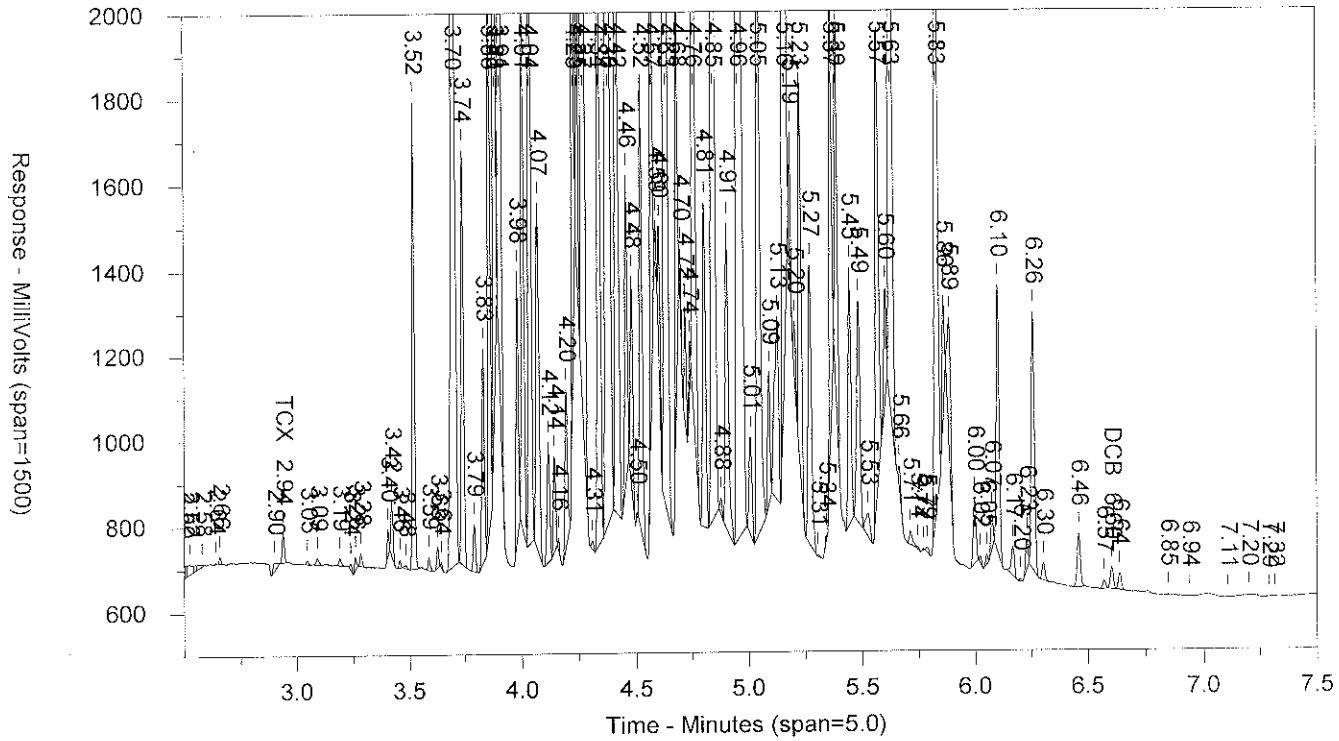



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0079.RAW

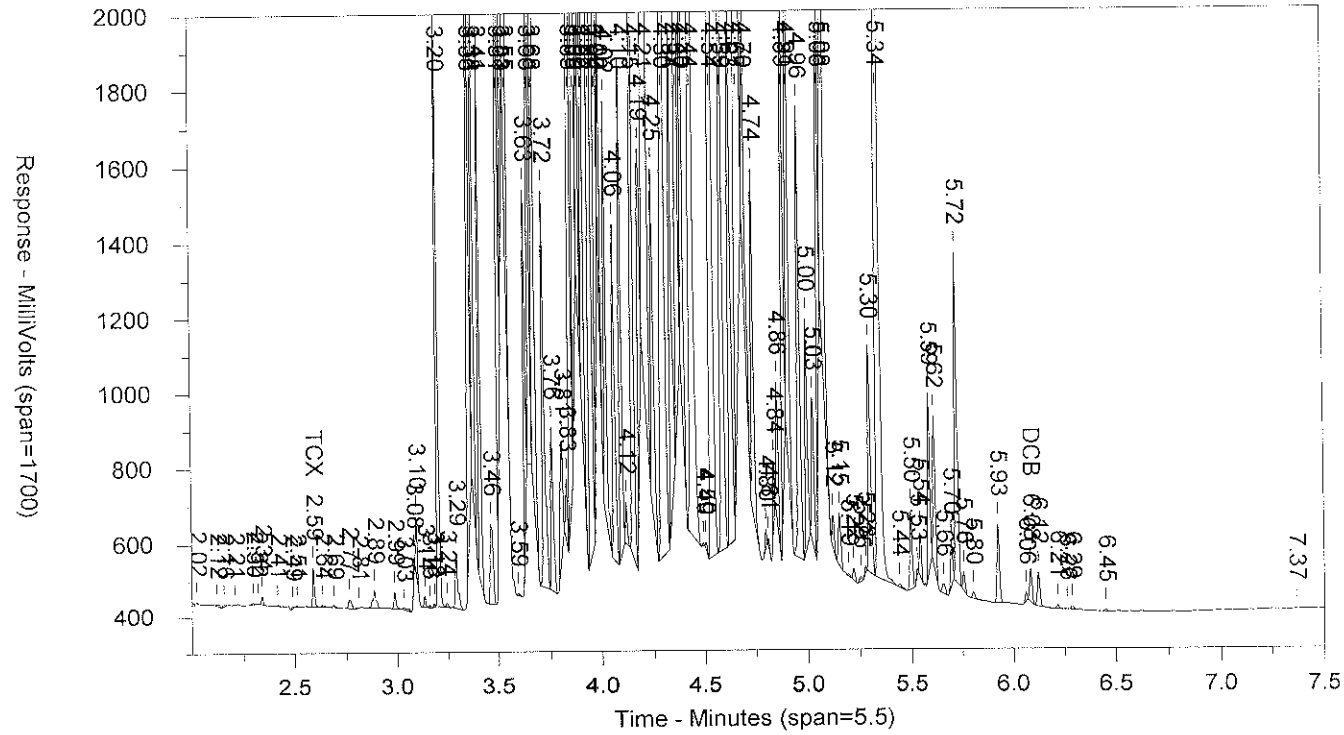


9229471 ACF DF100 AC99A02 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0079.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0079.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229472** RI ACF DF500 99A03 Sample ID: AF **Batchnumber: 172820027A**
Sample Amount: 10.04 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 19, 2017 20:56:12 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS17289004.009.RAW |
| **Calibration file** | 25PCBS1728901 |
| **Method file** | 25PCBS |

%SSR(TCX) 112% ( 61 - 152 ) Conc: 34.13263
%SSR(DCB) 113% ( 48 - 164 ) Conc: 30.41082

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 19, 2017 20:56:12 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS17289004B.009.RAW |
| **Calibration file** | 25PCBS1728901B |
| **Method file** | 25PCBSB |

%SSR(TCX) 68% ( 61 - 152 ) Conc: 20.64048
%SSR(DCB) 84% ( 48 - 164 ) Conc: 22.62533

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 10054 | 34.13263 | Tetrachloro-m-xylene | 2.58 | 2.61 | 2.64 | 11027 | 20.64048 |
| Decachlorobiphenyl | 6.56 | 6.60 | 6.62 | 6977 | 30.41082 | Decachlorobiphenyl | 6.07 | 6.10 | 6.13 | 16820 | 22.62533 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 20.64048 | | | P | 49.27 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 34.13263 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 20.64048 | | | | | |
| ☐ | Decachlorobiphenyl | A | 30.41082 | | | | 29.36 | |
| ☑ | Decachlorobiphenyl-D1 | A | 30.41082 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 22.62533 | | | | | |

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <25398.4067 | <4930.279 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <25398.4067 | <7619.522 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <25398.4067 | <6125.4981 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <25398.4067 | <6125.4981 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <25398.4067 | <4930.279 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <25398.4067 | <6573.7053 | D1 | | 4 | |
| ☑ | PCB-1260 | | | <25398.4067 | <5826.6933 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 2 0 2017

Reviewed and digitally signed by Kirby B Turner on 10/20/2017 12:47:35

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229472** RI ACF DF500 99A03 Sample ID: AF **Batchnumber: 172820027A**
Sample Amount: 10.04 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

AP Poor Pattern interferes in front (new peaks)

## Analysis Report (A)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274A
Result file : 25PCBS17289004.009.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 34.13263
%SSR(DCB) : 113% (48-164) Conc.: 30.41082

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 99.14 | |
| 3.16 | 3.18 | 3.20 | 28281.97 | 5951.475247 | | | 1 |
| + 3.37 | 3.39 | 3.41 | 121010.5 | 25820.574158 | | | 2 |
| 3.37 | 3.41 | 3.41 | 260080.4 | 55494.566631 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1339946 | 232683.135161 | | | 3 |
| 3.70 | 3.73 | 3.74 | 932656.2 | 131303.307752 | | | 4 |
| 3.76 | 3.78 | 3.80 | 127189.7 | 20330.875709 | | | 5 |
| 3.95 | 3.97 | 3.99 | 295855.1 | 65219.064742 | | | 6 |
| Height Summation: | | | 2984009.37 | | | | |
| Amount Avg CF: | | | 85163.73754 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 59.05 | |
| 3.06 | 3.08 | 3.10 | 12162.51 | 4653.280944 | | | 1 |
| 3.11 | 3.13 | 3.15 | 2456.057 | 1063.351744 | | | 2 |
| 3.16 | 3.18 | 3.20 | 28281.97 | 3918.337471 | | | 3 |
| Height Summation: | | | 42900.537 | | | | |
| Amount Avg CF: | | | 3211.65672 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 99.02 | |
| 3.16 | 3.18 | 3.20 | 28281.97 | 4973.490147 | | | 1 |
| + 3.38 | 3.39 | 3.42 | 121010.5 | 56321.675913 | | | 2 |
| E 3.38 | 3.41 | 3.42 | 260080.4 | 121048.702387 | | | 2 |
| E 3.49 | 3.51 | 3.53 | 1339946 | 501877.01472 | | | 3 |
| E 3.70 | 3.73 | 3.74 | 932656.2 | 274939.067696 | | | 4 |
| 3.76 | 3.78 | 3.80 | 127189.7 | 44122.013963 | | | 5 |
| E 3.95 | 3.97 | 3.99 | 295855.1 | 155999.84356 | | | 6 |
| Height Summation: | | | 2984009.37 | | | | |
| Amount Avg CF: | | | 183826.688745 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 98.36 | |
| 3.16 | 3.18 | 3.20 | 28281.97 | 7192.098662 | | | 1 |
| + 3.38 | 3.39 | 3.42 | 121010.5 | 32747.384618 | | | 2 |
| 3.38 | 3.41 | 3.42 | 260080.4 | 70381.932893 | | | 2 |
| E 3.49 | 3.51 | 3.53 | 1339946 | 287814.547582 | | | 3 |
| E 3.70 | 3.73 | 3.74 | 932656.2 | 163896.729309 | | | 4 |
| 3.76 | 3.78 | 3.80 | 127189.7 | 25919.258558 | | | 5 |
| 3.95 | 3.97 | 3.99 | 295855.1 | 81425.261931 | | | 6 |
| Height Summation: | | | 2984009.37 | | | | |
| Amount Avg CF: | | | 106104.971489 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 107.77 | |
| 3.71 | 3.73 | 3.75 | 932656.2 | 305491.742042 | | | 1 |
| 3.76 | 3.78 | 3.80 | 127189.7 | 36026.656393 | | | 2 |
| 3.83 | 3.85 | 3.87 | 834380.9 | 146221.312869 | | | 3 |
| 3.96 | 3.97 | 4.00 | 295855.1 | 44594.779607 | | | 4 |
| 4.04 | 4.06 | 4.08 | 233255.3 | 41661.452152 | | | 5 |
| 4.22 | 4.24 | 4.26 | 186965.8 | 32929.803483 | | | 6 |
| Height Summation: | | | 2610303 | | | | |
| Amount Avg CF: | | | 101154.291091 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274B
Result file : 25PCBS17289004B.009.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 68% (61-152) Conc.: 20.64048
%SSR(DCB) : 84% (48-164) Conc.: 22.62533

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 147.97 | |
| 2.88 | 2.90 | 2.92 | 56765.98 | 6627.087913 | | | 1 |
| 3.21 | 3.22 | 3.25 | 2558421 | 237490.691101 | | | 2 |
| + 3.40 | 3.40 | 3.44 | 1652042 | 140327.349409 | | | 3 |
| 3.40 | 3.43 | 3.44 | 1895075 | 160970.999334 | | | 3 |
| 3.47 | 3.49 | 3.51 | 290677.2 | 22491.354616 | | | 4 |
| E+ 3.53 | 3.55 | 3.57 | 4977527 | 525344.212023 | | | 5 |
| E 3.53 | 3.57 | 3.57 | 8601673 | 907848.23955 | | | 5 |
| 3.63 | 3.65 | 3.67 | 626530.6 | 54951.078836 | | | 6 |
| Height Summation: | | | 14029142.78 | | | | |
| Amount Avg CF: | | | 231729.908558 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 53.41 | |
| 2.77 | 2.79 | 2.81 | 25771.73 | 4816.026147 | | | 1 |
| + 2.83 | 2.83 | 2.87 | 2091.193 | 633.719269 | | | 2 |
| 2.83 | 2.85 | 2.87 | 4497.034 | 1362.790092 | | | 2 |
| 2.88 | 2.90 | 2.92 | 56765.98 | 4362.123442 | | | 3 |
| Height Summation: | | | 87034.744 | | | | |
| Amount Avg CF: | | | 3513.64656 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 155.11 | |
| 2.88 | 2.90 | 2.92 | 56765.98 | 5564.063914 | | | 1 |
| E 3.21 | 3.22 | 3.25 | 2558421 | 500399.942814 | | | 2 |
| E+ 3.40 | 3.40 | 3.44 | 1652042 | 297690.573564 | | | 3 |
| E 3.40 | 3.43 | 3.44 | 1895075 | 341484.032305 | | | 3 |
| 3.47 | 3.49 | 3.51 | 290677.2 | 51421.89718 | | | 4 |
| E+ 3.53 | 3.55 | 3.57 | 4977527 | 1271399.172556 | | | 5 |
| E 3.53 | 3.57 | 3.57 | 8601673 | 2197107.104552 | | | 5 |
| E 3.63 | 3.65 | 3.67 | 626530.6 | 130588.731293 | | | 6 |
| Height Summation: | | | 14029142.78 | | | | |
| Amount Avg CF: | | | 537760.96201 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 148.25 | |
| 2.88 | 2.90 | 2.92 | 56765.98 | 8233.854548 | | | 1 |
| E 3.21 | 3.22 | 3.25 | 2558421 | 298558.668047 | | | 2 |
| E+ 3.40 | 3.40 | 3.44 | 1652042 | 175030.332875 | | | 3 |
| E 3.40 | 3.43 | 3.44 | 1895075 | 200779.161834 | | | 3 |
| 3.47 | 3.49 | 3.51 | 290677.2 | 27897.579142 | | | 4 |
| E+ 3.53 | 3.55 | 3.57 | 4977527 | 659443.497624 | | | 5 |
| E 3.53 | 3.57 | 3.57 | 8601673 | 1139585.446456 | | | 5 |
| 3.63 | 3.65 | 3.67 | 626530.6 | 67832.782094 | | | 6 |
| Height Summation: | | | 14029142.78 | | | | |
| Amount Avg CF: | | | 290481.248687 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229472** RI ACF DF500 99A03 Sample ID: AF **Batchnumber: 172820027A**
Sample Amount: 10.04 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274A
Result file : 25PCBS17289004.009.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 61.18 | |
| 4.54 | 4.56 | 4.58 | 177453 | 24018.1867 | | | 1 |
| + 4.54 | 4.58 | 4.58 | 35192.19 | 4763.247676 | | | 1 |
| 4.61 | 4.62 | 4.64 | 255780.1 | 17844.560559 | | | 2 |
| 4.73 | 4.75 | 4.77 | 82246.34 | 17883.529523 | | | 3 |
| 4.82 | 4.83 | 4.86 | 244935.8 | 23445.900986 | | | 4 |
| 5.01 | 5.03 | 5.05 | 71068.49 | 9169.514406 | | | 5 |
| 5.13 | 5.15 | 5.17 | 548744.4 | 52092.942355 | | | 6 |
| Height Summation: | | | **1380228.13** | | | | |
| Amount Avg CF: | | | **24075.772422** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 64.44 | |
| 4.73 | 4.75 | 4.77 | 82246.34 | 7935.502194 | | | 1 |
| 4.93 | 4.95 | 4.97 | 361235.1 | 28709.090647 | | | 2 |
| 5.13 | 5.15 | 5.17 | 548744.4 | 35084.13422 | | | 3 |
| 5.36 | 5.38 | 5.40 | 67927.83 | 8511.258759 | | | 4 |
| 5.60 | 5.62 | 5.64 | 246346.2 | 11437.290847 | | | 5 |
| 5.80 | 5.82 | 5.84 | 192678.6 | 14627.481215 | | | 6 |
| Height Summation: | | | **1499178.47** | | | | |
| Amount Avg CF: | | | **17717.459647** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.92 | |
| 5.20 | 5.22 | 5.24 | 87365.24 | 6908.767979 | | | 1 |
| 5.36 | 5.38 | 5.40 | 67927.83 | 6377.385611 | | | 2 |
| 5.60 | 5.62 | 5.64 | 246346.2 | 9078.286365 | | | 3 |
| 5.80 | 5.82 | 5.84 | 192678.6 | 11133.565621 | | | 4 |
| 5.86 | 5.87 | 5.90 | 34050.73 | 4049.99887 | | | 5 |
| 6.23 | 6.24 | 6.27 | 84327.83 | 8126.20564 | | | 6 |
| Height Summation: | | | **712696.43** | | | | |
| Amount Avg CF: | | | **7612.368348** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 121.87 | |
| 5.80 | 5.82 | 5.84 | 192678.6 | 6301.936384 | | | 1 |
| 5.86 | 5.87 | 5.90 | 34050.73 | 1284.707732 | | | 2 |
| 5.99 | 6.01 | 6.03 | 2640.452 | 110.838054 | | | 3 |
| + 6.06 | 6.06 | 6.10 | 6787.077 | 1065.315578 | | | 4 |
| 6.06 | 6.09 | 6.10 | 114117.1 | 17912.088572 | | | 4 |
| 6.23 | 6.24 | 6.27 | 84327.83 | 7871.182625 | | | 5 |
| 6.43 | 6.45 | 6.47 | 21592.6 | 245.884174 | | | 6 |
| Height Summation: | | | **449407.312** | | | | |
| Amount Avg CF: | | | **5621.106257** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274B
Result file : 25PCBS17289004B.009.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 123.88 | |
| + 3.40 | 3.40 | 3.44 | 1652042 | 340945.460287 | | | 1 |
| 3.40 | 3.43 | 3.44 | 1895075 | 391102.174251 | | | 1 |
| 3.47 | 3.49 | 3.51 | 290677.2 | 39272.066151 | | | 2 |
| 3.51 | 3.53 | 3.55 | 1670805 | 131518.881872 | | | 3 |
| 3.63 | 3.65 | 3.67 | 626530.6 | 39489.1304 | | | 4 |
| 3.72 | 3.74 | 3.76 | 525297.6 | 45779.809496 | | | 5 |
| 3.86 | 3.87 | 3.90 | 741722.9 | 34873.198991 | | | 6 |
| Height Summation: | | | **5750108.3** | | | | |
| Amount Avg CF: | | | **113672.543527** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 60.92 | |
| 4.16 | 4.17 | 4.19 | 508475.7 | 27734.326451 | | | 1 |
| 4.22 | 4.23 | 4.26 | 368747.5 | 11468.298782 | | | 2 |
| + 4.22 | 4.25 | 4.26 | 158330 | 4924.171001 | | | 2 |
| 4.31 | 4.31 | 4.35 | 335954.5 | 22401.780646 | | | 3 |
| + 4.31 | 4.32 | 4.35 | 124918.1 | 8329.663317 | | | 3 |
| 4.38 | 4.39 | 4.41 | 324724.1 | 15667.203682 | | | 4 |
| 4.59 | 4.61 | 4.63 | 168273.9 | 11272.240043 | | | 5 |
| 4.67 | 4.69 | 4.71 | 1066590 | 47708.47621 | | | 6 |
| Height Summation: | | | **2772765.7** | | | | |
| Amount Avg CF: | | | **22708.720969** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 75.79 | |
| 4.44 | 4.46 | 4.48 | 483812.2 | 16953.194343 | | | 1 |
| 4.54 | 4.56 | 4.58 | 199605.2 | 9146.066215 | | | 2 |
| 4.67 | 4.69 | 4.71 | 1066590 | 40231.87883 | | | 3 |
| 4.89 | 4.91 | 4.93 | 122176.2 | 6944.442378 | | | 4 |
| 5.08 | 5.10 | 5.12 | 457525.3 | 10727.820836 | | | 5 |
| 5.34 | 5.36 | 5.38 | 398209.6 | 13136.958861 | | | 6 |
| Height Summation: | | | **2727918.5** | | | | |
| Amount Avg CF: | | | **16190.060244** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.49 | |
| 4.70 | 4.72 | 4.74 | 154753.1 | 5550.151564 | | | 1 |
| 4.89 | 4.91 | 4.93 | 122176.2 | 4463.867961 | | | 2 |
| 5.09 | 5.10 | 5.13 | 457525.3 | 7708.862393 | | | 3 |
| 5.30 | 5.32 | 5.34 | 100383.4 | 4350.192974 | | | 4 |
| 5.35 | 5.36 | 5.39 | 398209.6 | 10270.598734 | | | 5 |
| 5.72 | 5.74 | 5.76 | 187799.2 | 7022.216173 | | | 6 |
| Height Summation: | | | **1420846.8** | | | | |
| Amount Avg CF: | | | **6560.981633** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 118.93 | |
| 5.30 | 5.32 | 5.34 | 100383.4 | 1384.286773 | | | 1 |
| 5.35 | 5.36 | 5.39 | 398209.6 | 5598.159842 | | | 2 |
| 5.50 | 5.51 | 5.54 | 35030.32 | 539.945083 | | | 3 |
| 5.57 | 5.58 | 5.61 | 1911.903 | 117.070334 | | | 4 |
| 5.72 | 5.74 | 5.76 | 187799.2 | 6033.500283 | | | 5 |
| 5.92 | 5.94 | 5.96 | 60158.84 | 212.378288 | | | 6 |
| Height Summation: | | | **783493.263** | | | | |
| Amount Avg CF: | | | **2314.223434** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229472** RI ACF DF500 99A03 Sample ID: AF **Batchnumber: 172820027A**
Sample Amount: 10.04 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274A
Result file : 25PCBS17289004.009.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 19, 2017 20:56:12
Instrument : CP25--18274B
Result file : 25PCBS17289004B.009.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 25398.4067 | 4930.279 | | ** 92.50 | 4 | 40 | |
| Aroclor-1221 | | | 25398.4067 | 7619.522 | | 8.98 | 3 | 5 | |
| Aroclor-1232 | | | 25398.4067 | 6125.4981 | E | ** 98.10 | 4 | 10 | |
| Aroclor-1242 | | | 25398.4067 | 6125.4981 | E | ** 92.98 | 4 | 30 | |
| Aroclor-1248 | | | 25398.4067 | 4930.279 | | 11.65 | 4 | 40 | |
| Aroclor-1254 | | | 25398.4067 | 6573.7053 | | 5.84 | 4 | 40 | |
| Aroclor-1260 | | | 25398.4067 | 5826.6933 | | 9.01 | 4 | 40 | |
| Aroclor-1262 | | | 25398.4067 | 4930.279 | | 14.84 | 4 | 40 | |
| Aroclor-1268 | | | 25398.4067 | 4930.279 | | ** 83.35 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082
Injected On: 10/19/2017 8:56:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289004.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.035 | | 10152 | 11051 |
| 2.085 | | 6292 | 17691 |
| 2.204 | | 5225 | 4301 |
| 2.253 | | 486 | 406 |
| 2.305 | | 414 | 263 |
| 2.329 | | 7557 | 5327 |
| 2.364 | | 3836 | 6006 |
| 2.488 | | 6449 | 6719 |
| 2.514 | | 442 | 180 |
| 2.535 | | 997 | 506 |
| 2.636 | | 466 | 224 |
| 2.651 | | 2215 | 1682 |
| 2.713 | | 329 | 599 |
| 2.745 | | 2246 | 5427 |
| 2.84 | | 468 | 249 |
| 2.894 | | 4246 | 4012 |
| 2.927 | TCX | 10054 | 9121 |
| 3.079 | | 12163 | 10737 |
| 3.132 | | 2456 | 2047 |
| 3.179 | | 28282 | 20167 |
| 3.272 | | 47206 | 38996 |
| 3.313 | | 872 | 843 |
| 3.363 | | 378 | 165 |
| 3.394 | | 121011 | 68014 |
| 3.411 | | 260080 | 159035 |
| 3.448 | | 13801 | 8686 |
| 3.475 | | 10802 | 7888 |
| 3.51 | | 1339946 | 984440 |
| 3.546 | | 4333 | 2299 |
| 3.577 | | 58620 | 41788 |
| 3.618 | | 52004 | 30834 |
| 3.633 | | 7832 | 3353 |
| 3.688 | | 2292870 | 2682686 |
| 3.732 | | 932656 | 694221 |
| 3.781 | | 127190 | 90977 |
| 3.82 | | 368866 | 290525 |
| 3.85 | | 834381 | 580848 |
| 3.876 | | 2250135 | 1554684 |
| 3.899 | | 3840890 | 2683567 |
| 3.972 | | 295855 | 208865 |
| 3.996 | | 617229 | 461206 |
| 4.028 | | 846081 | 652219 |
| 4.059 | | 233255 | 250379 |
| 4.108 | | 169197 | 134736 |
| 4.135 | | 123105 | 102686 |
| 4.187 | | 203434 | 174154 |
| 4.22 | | 43625 | 24449 |
| 4.238 | | 186966 | 115735 |
| 4.263 | | 1151927 | 1042966 |
| 4.301 | | 15211 | 10074 |
| 4.332 | | 458141 | 394466 |
| 4.367 | | 711533 | 683520 |
| 4.408 | | 159507 | 146466 |
| 4.449 | | 248188 | 189280 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.471 | | 89281 | 60038 |
| 4.494 | | 5641 | 2278 |
| 4.513 | | 35338 | 29692 |
| 4.56 | | 177453 | 141026 |
| 4.577 | | 35192 | 19128 |
| 4.623 | | 255780 | 237319 |
| 4.673 | | 167368 | 182888 |
| 4.729 | | 153889 | 116160 |
| 4.749 | | 82246 | 56632 |
| 4.794 | | 155930 | 135516 |
| 4.833 | | 244936 | 309805 |
| 4.895 | | 60100 | 60603 |
| 4.946 | | 361235 | 397367 |
| 4.997 | | 26430 | 21894 |
| 5.032 | | 71068 | 80387 |
| 5.08 | | 22905 | 18162 |
| 5.117 | | 34644 | 32499 |
| 5.149 | | 548744 | 567675 |
| 5.194 | | 9276 | 5776 |
| 5.218 | | 87365 | 76832 |
| 5.261 | | 49382 | 48803 |
| 5.327 | | 4112 | 5263 |
| 5.356 | | 40718 | 31818 |
| 5.379 | | 67928 | 55141 |
| 5.436 | | 39801 | 34497 |
| 5.473 | | 61901 | 60361 |
| 5.517 | | 3100 | 3406 |
| 5.556 | | 65677 | 64413 |
| 5.591 | | 18633 | 12236 |
| 5.615 | | 246346 | 233742 |
| 5.652 | | 7535 | 6161 |
| 5.71 | | 2137 | 3458 |
| 5.775 | | 972 | 934 |
| 5.82 | | 192679 | 184585 |
| 5.85 | | 16677 | 10981 |
| 5.875 | | 34051 | 36306 |
| 5.92 | | 1376 | 1234 |
| 5.956 | | 2873 | 3021 |
| 5.985 | | 11315 | 9789 |
| 6.011 | | 2640 | 1754 |
| 6.041 | | 4568 | 3354 |
| 6.062 | | 6787 | 4409 |
| 6.09 | | 114117 | 109022 |
| 6.156 | | 13528 | 14242 |
| 6.218 | | 16207 | 12090 |
| 6.245 | | 84328 | 79021 |
| 6.291 | | 4588 | 4459 |
| 6.33 | | 2146 | 1918 |
| 6.396 | | 474 | 719 |
| 6.449 | | 21593 | 24606 |
| 6.511 | | 3578 | 4939 |
| 6.564 | | 5165 | 4847 |
| 6.597 | DCB | 6977 | 6729 |
| 6.633 | | 17637 | 17646 |
| 6.676 | | 610 | 228 |
| 6.688 | | 555 | 169 |
| 6.762 | | 3694 | 5560 |
| 6.812 | | 599 | 503 |
| 6.884 | | 3795 | 9814 |
| 6.959 | | 777 | 504 |
| 6.983 | | 470 | 86 |

LANCASTER LABORATORIES

Sample Number: 9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082
Injected On: 10/19/2017 8:56:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289004B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

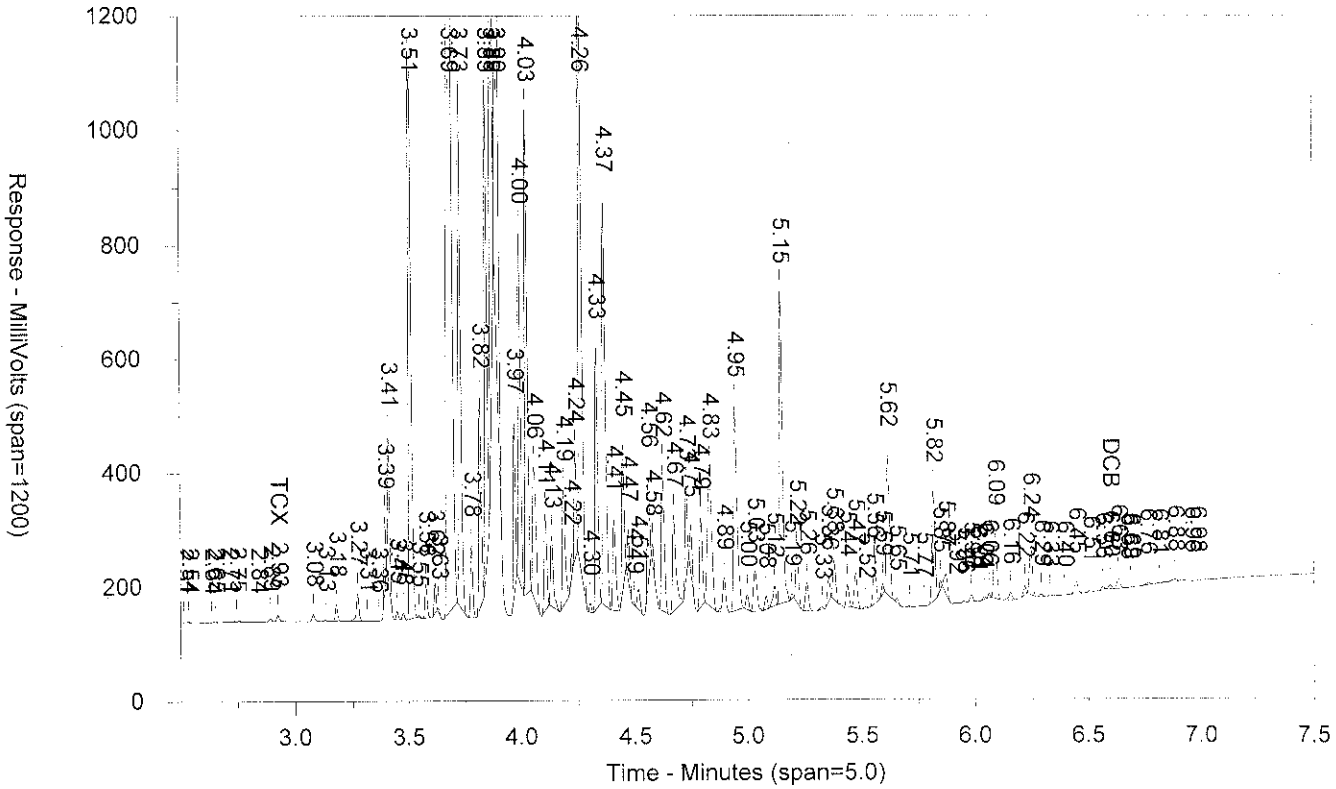
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.113 | | 2073 | 3431 |
| 2.153 | | 5045 | 5211 |
| 2.21 | | 1839 | 6471 |
| 2.231 | | 4418 | 5100 |
| 2.302 | | 1530 | 1872 |
| 2.364 | | 5508 | 5017 |
| 2.388 | | 1731 | 2211 |
| 2.537 | | 2723 | 6581 |
| 2.591 | | 1085 | 1071 |
| 2.613 | TCX | 11027 | 6715 |
| 2.657 | | 11171 | 9405 |
| 2.701 | | 3448 | 5177 |
| 2.785 | | 25772 | 19724 |
| 2.827 | | 2091 | 1696 |
| 2.846 | | 4497 | 2961 |
| 2.897 | | 56766 | 37686 |
| 3.007 | | 93404 | 58965 |
| 3.073 | | 1089 | 992 |
| 3.104 | | 139967 | 62886 |
| 3.115 | | 402686 | 199417 |
| 3.155 | | 30506 | 17713 |
| 3.175 | | 1643 | 816 |
| 3.189 | | 597 | 91 |
| 3.201 | | 20789 | 10684 |
| 3.223 | | 2558421 | 1530558 |
| 3.259 | | 1717 | 1369 |
| 3.31 | | 200615 | 176575 |
| 3.351 | | 4397 | 2265 |
| 3.383 | | 4077224 | 2899197 |
| 3.402 | | 1652042 | 905899 |
| 3.433 | | 1895075 | 1157607 |
| 3.489 | | 290677 | 285848 |
| 3.526 | | 1670805 | 1043296 |
| 3.549 | | 4977527 | 2612685 |
| 3.567 | | 8601673 | 4698783 |
| 3.592 | | 4906 | 2019 |
| 3.624 | | 2045 | 1039 |
| 3.653 | | 626531 | 339357 |
| 3.675 | | 1294479 | 724437 |
| 3.696 | | 1979238 | 1260050 |
| 3.741 | | 525298 | 406691 |
| 3.779 | | 320675 | 231171 |
| 3.806 | | 3401 | 1044 |
| 3.831 | | 430781 | 385008 |
| 3.875 | | 741723 | 467810 |
| 3.899 | | 1684438 | 985744 |
| 3.918 | | 1021816 | 561675 |
| 3.938 | | 930696 | 543053 |
| 3.974 | | 1612968 | 1082278 |
| 4.004 | | 325624 | 197266 |
| 4.021 | | 180610 | 92046 |
| 4.043 | | 659083 | 439777 |
| 4.082 | | 329198 | 278862 |
| 4.115 | | 91866 | 66525 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.137 | | 62737 | 35686 |
| 4.172 | | 508476 | 401225 |
| 4.214 | | 67695 | 51298 |
| 4.233 | | 368748 | 203250 |
| 4.246 | | 158330 | 75223 |
| 4.27 | | 86076 | 59698 |
| 4.31 | | 335955 | 202628 |
| 4.323 | | 124918 | 58599 |
| 4.361 | | 343776 | 381388 |
| 4.393 | | 324724 | 203321 |
| 4.416 | | 243151 | 174948 |
| 4.46 | | 483812 | 651144 |
| 4.56 | | 199605 | 204062 |
| 4.611 | | 168274 | 136325 |
| 4.653 | | 166655 | 143167 |
| 4.686 | | 1066591 | 886735 |
| 4.72 | | 154753 | 108912 |
| 4.758 | | 102972 | 77881 |
| 4.829 | | 7144 | 8826 |
| 4.857 | | 12249 | 7235 |
| 4.875 | | 39111 | 25653 |
| 4.908 | | 122176 | 91526 |
| 4.932 | | 98558 | 73534 |
| 4.981 | | 135174 | 117098 |
| 5.017 | | 61827 | 48593 |
| 5.047 | | 50513 | 39160 |
| 5.08 | | 116555 | 78655 |
| 5.101 | | 457525 | 362768 |
| 5.143 | | 12985 | 8382 |
| 5.174 | | 21471 | 17930 |
| 5.215 | | 2280 | 1443 |
| 5.24 | | 2970 | 5378 |
| 5.292 | | 6014 | 4177 |
| 5.316 | | 100383 | 87129 |
| 5.36 | | 398210 | 415921 |
| 5.479 | | 1132 | 552 |
| 5.514 | | 35030 | 28846 |
| 5.543 | | 11052 | 6961 |
| 5.561 | | 23177 | 14216 |
| 5.583 | | 1912 | 686 |
| 5.605 | | 178938 | 138351 |
| 5.631 | | 79454 | 63077 |
| 5.672 | | 6506 | 7221 |
| 5.711 | | 46057 | 34055 |
| 5.739 | | 187799 | 153078 |
| 5.771 | | 12732 | 9416 |
| 5.82 | | 6226 | 4734 |
| 5.866 | | 566 | 570 |
| 5.895 | | 1140 | 526 |
| 5.938 | | 60159 | 53664 |
| 5.992 | | 813 | 1349 |
| 6.013 | | 938 | 481 |
| 6.05 | | 1688 | 1582 |
| 6.073 | | 16156 | 11390 |
| 6.095 | DCB | 16820 | 12894 |
| 6.132 | | 53514 | 49211 |
| 6.223 | | 7364 | 9276 |
| 6.273 | | 1347 | 1593 |
| 6.299 | | 5528 | 5653 |
| 6.334 | | 1899 | 1262 |
| 6.36 | | 1627 | 1504 |
| 6.404 | | 2479 | 2939 |
| 6.431 | | 1973 | 1472 |
| 6.464 | | 3767 | 3130 |
| 6.506 | | 980 | 815 |
| 6.518 | | 1326 | 672 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.559 | | 772 | 389 |
| 6.575 | | 1321 | 715 |
| 6.598 | | 2141 | 2435 |
| 6.658 | | 775 | 4320 |
| 6.672 | | 1307 | 557 |
| 6.713 | | 926 | 770 |
| 6.739 | | 1150 | 573 |
| 6.769 | | 1716 | 1308 |
| 6.803 | | 901 | 629 |
| 6.835 | | 1443 | 707 |
| 6.864 | | 1392 | 1209 |
| 6.914 | | 1251 | 653 |
| 6.957 | | 1138 | 1071 |

9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.009.RAW

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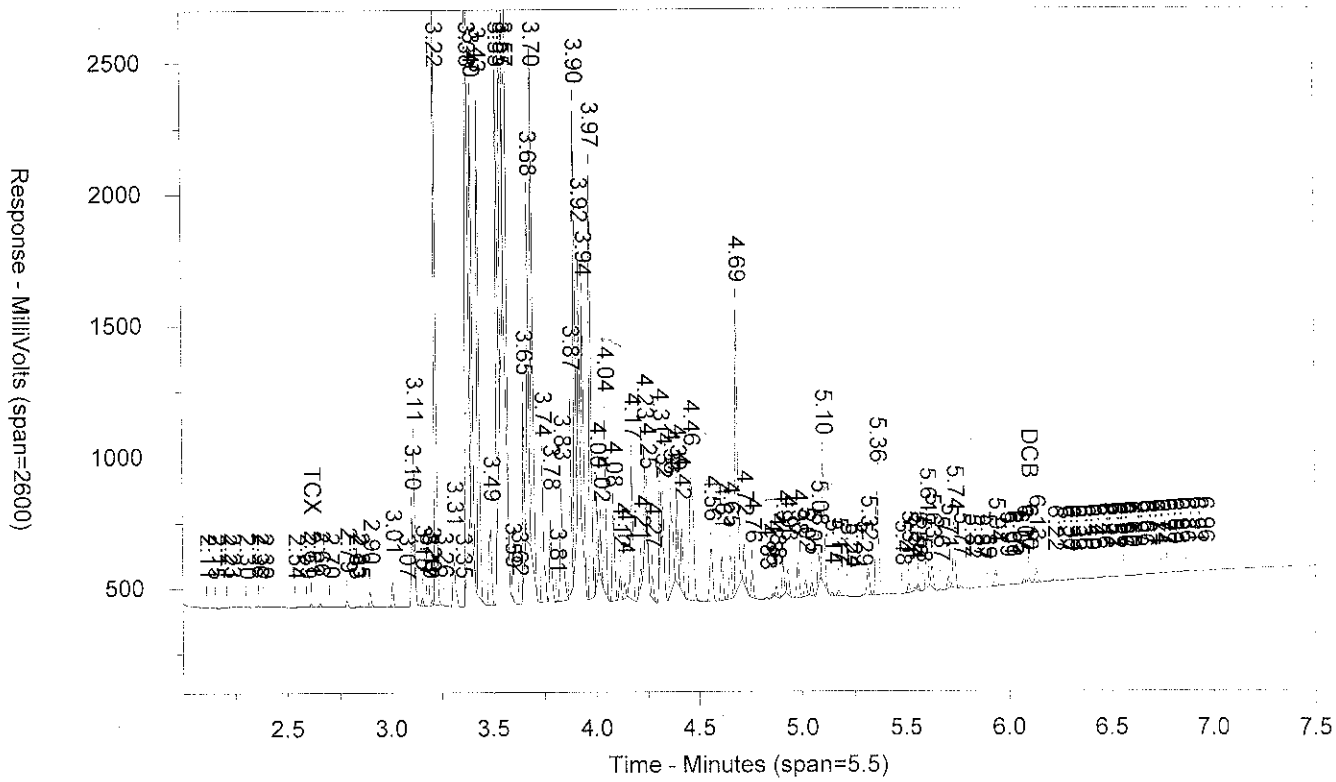


LANCASTER LABORATORIES

Sample Number: 9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082
Injected On: 10/19/2017 8:56:12 PM Sample Weight: 10.04
Instrument ID: CP25-18274 Dilution Factor: 5000
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: 3
Calibration Type: external
Quantitation: Height

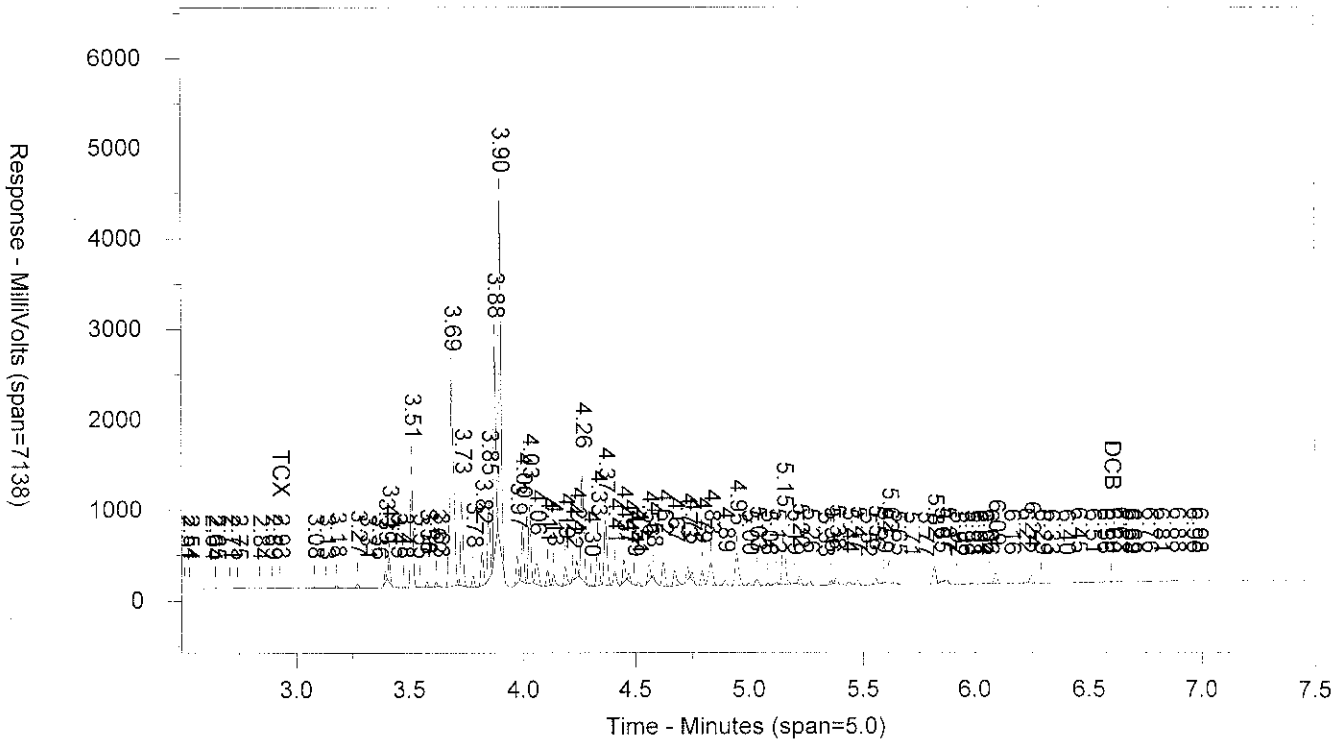
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.927 | 10054 | 34.133 | TCX | 2.613 | 11027 | 20.64 | TCX |
| 6.597 | 6977 | 30.411 | DCB | 6.095 | 16820 | 22.625 | DCB |

Files:
Area File: 25pcbs17289004.009.RAW
Area File: 25pcbs17289004B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/19/2017 9:04:37 PM
File Reported On: 10/19/2017 at 9:04:53 PM

9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.009.RAW

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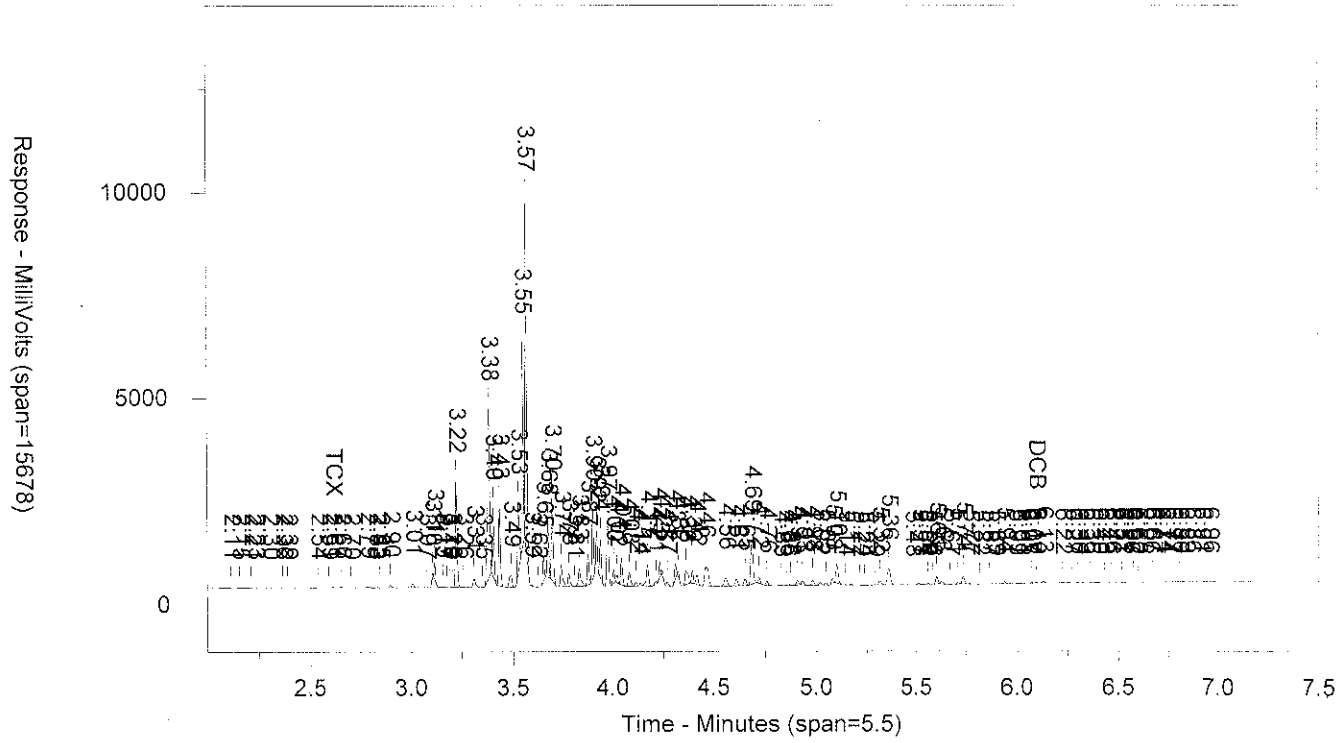

9229472 RI ACF DF500AF99A03 T 172820027A 10225 SW-846 8082

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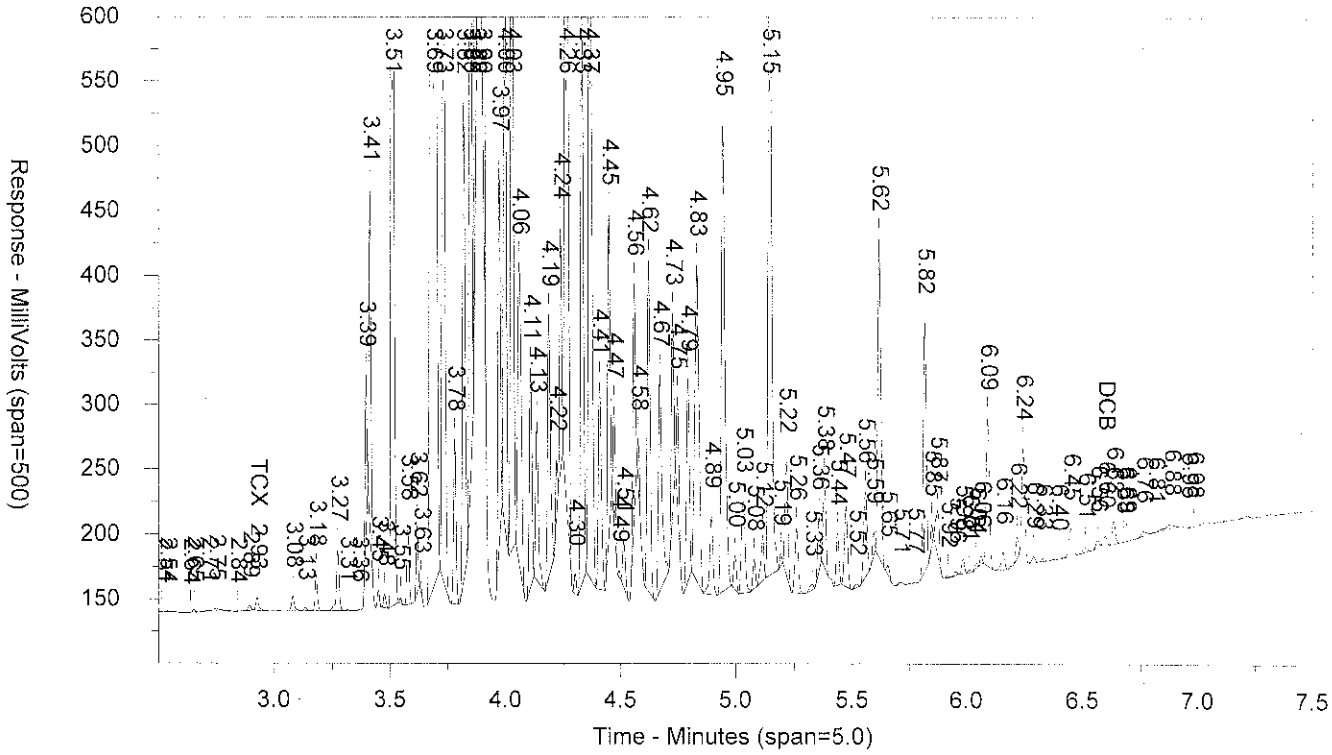


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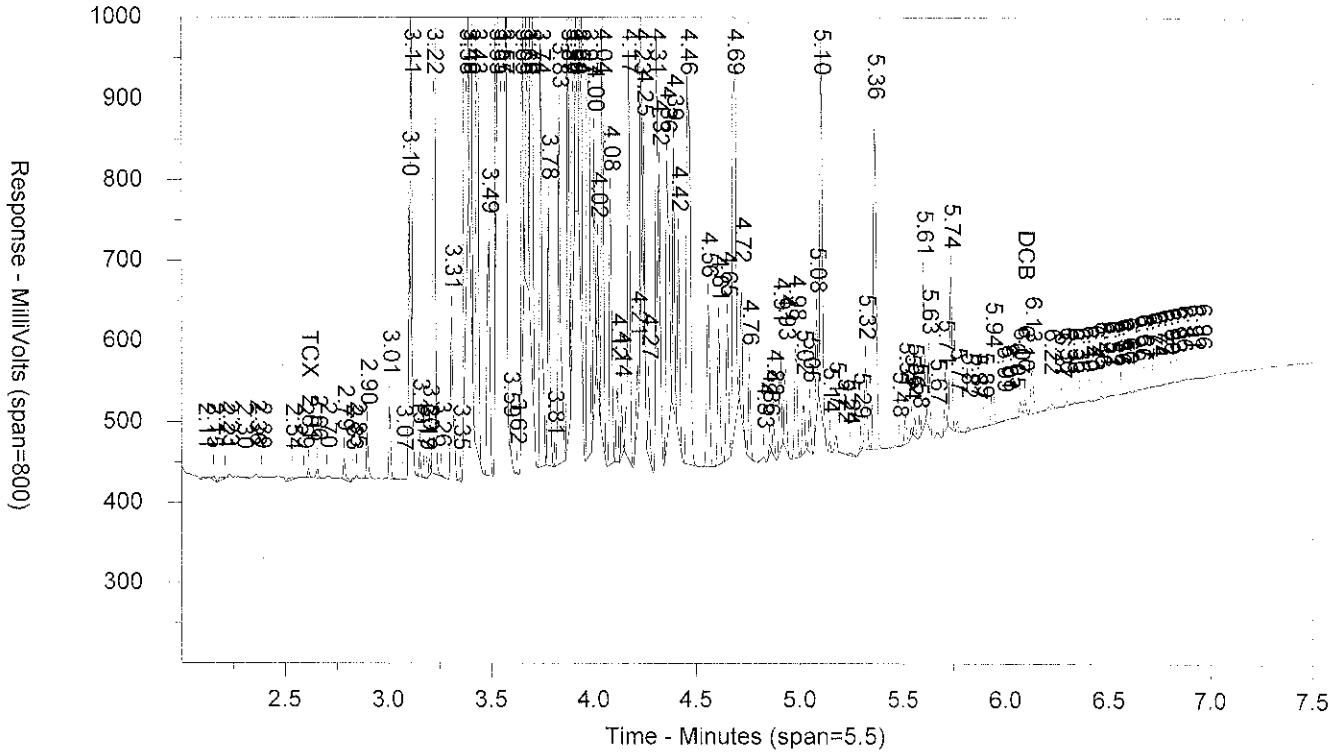


eurofins

Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229473** ACF DF1000 99A04 Sample ID: AD **Batchnumber: 172820027A**

Sample Amount: 10.03 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG99 State: DE

**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:17:12 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0081.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) * 216% ( 61 - 152 ) Conc: 65.77567

%SSR(DCB) 161% ( 48 - 164 ) Conc: 43.61697

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:17:12 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0081.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 124% ( 61 - 152 ) Conc: 37.77773

%SSR(DCB) 152% ( 48 - 164 ) Conc: 41.17271

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 18085 | 65.77567 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 8828 | 43.61697 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 15707 | 37.77773 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 15633 | 41.17271 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 37.77773 | | | P | 54.07 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 65.77567 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 37.77773 | | | | | |
| ☐ | Decachlorobiphenyl | A | 43.61697 | | | | 5.77 | |
| ☑ | Decachlorobiphenyl-D1 | A | 43.61697 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 41.17271 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **27.15** | |
| 4.21 | 4.23 | 4.25 | 1032738 | 132563.106057 | | | 1 |
| 4.55 | 4.57 | 4.59 | 840924.6 | 97615.026558 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2812233 | 163751.785718 | | | 4 |
| 5.02 | 5.04 | 5.06 | 700299.4 | 116727.882522 | | | 5 |
| 5.14 | 5.16 | 5.18 | 1866334 | 193862.006889 | | | 6 |

Height summation: **7252529**

Concentration CF: **140903.961549** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **15.83** | |
| 4.19 | 4.21 | 4.23 | 4042537 | 177122.98912 | | | 1 |
| 4.28 | 4.30 | 4.32 | 1933935 | 175274.810749 | | | 2 |
| 4.35 | 4.37 | 4.39 | 2269362 | 178283.685616 | | | 3 |
| 4.42 | 4.44 | 4.46 | 1862551 | 206067.502417 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1223207 | 124132.411354 | | | 5 |
| 4.65 | 4.67 | 4.69 | 3148782 | 192167.063655 | | | 6 |

Height summation: **14480374**

Concentration CF: **175508.077152** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <50847.4565 | <9870.3886 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <50847.4565 | <15254.237 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <50847.4565 | <12263.2101 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <50847.4565 | <12263.2101 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <50847.4565 | <9870.3886 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 140903.961549 | 50847.4565 | 13160.5182 | D1 | 21.87 | 4 | |
| ☑ | PCB-1260 | | | <50847.4565 | <11665.0047 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:27

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229473** ACF DF1000 99A04 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.03 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:17:12
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0081.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *216% (61-152) Conc.: 65.77567
%SSR(DCB) : 161% (48-164) Conc.: 43.61697

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 81.05 | |
| 3.17 | 3.19 | 3.21 | 49929.26 | 10351.655051 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 165608.2 | 32752.44246 | | | 2 |
| 3.38 | 3.42 | 3.42 | 303202.5 | 59964.557523 | | | 2 |
| 3.50 | 3.52 | 3.54 | 1396221 | 229891.58977 | | | 3 |
| 3.71 | 3.74 | 3.75 | 1025759 | 138990.798964 | | | 4 |
| 3.77 | 3.79 | 3.81 | 219981.4 | 33860.579858 | | | 5 |
| 3.96 | 3.98 | 4.00 | 656847.7 | 132570.310944 | | | 6 |
| Height Summation: | | | **3651940.86** | | | | |
| Amount Avg CF: | | | **100938.248685** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 46.21 | |
| 3.07 | 3.09 | 3.11 | 18981.08 | 7636.354894 | | | 1 |
| 3.12 | 3.14 | 3.16 | 6039.976 | 2771.856535 | | | 2 |
| 3.17 | 3.19 | 3.21 | 49929.26 | 7402.00685 | | | 3 |
| Height Summation: | | | **74950.316** | | | | |
| Amount Avg CF: | | | **5936.739426** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 81.46 | |
| 3.17 | 3.19 | 3.21 | 49929.26 | 8907.175261 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 165608.2 | 72731.193374 | | | 2 |
| 3.38 | 3.42 | 3.42 | 303202.5 | 133159.34633 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 1396221 | 504917.647442 | | | 3 |
| E 3.71 | 3.74 | 3.75 | 1025759 | 306372.76644 | | | 4 |
| 3.77 | 3.79 | 3.81 | 219981.4 | 80360.557165 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 656847.7 | 349845.781836 | | | 6 |
| Height Summation: | | | **3651940.86** | | | | |
| Amount Avg CF: | | | **230593.879079** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 81.58 | |
| 3.17 | 3.19 | 3.21 | 49929.26 | 7437.287229 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 165608.2 | 24387.010079 | | | 2 |
| 3.38 | 3.42 | 3.42 | 303202.5 | 44648.769949 | | | 2 |
| 3.50 | 3.52 | 3.54 | 1396221 | 172603.849165 | | | 3 |
| 3.71 | 3.74 | 3.75 | 1025759 | 101260.18685 | | | 4 |
| 3.77 | 3.79 | 3.81 | 219981.4 | 25312.001398 | | | 5 |
| 3.96 | 3.98 | 4.00 | 656847.7 | 99248.313742 | | | 6 |
| Height Summation: | | | **3651940.86** | | | | |
| Amount Avg CF: | | | **75085.068056** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 61.93 | |
| 3.71 | 3.74 | 3.75 | 1025759 | 311829.514432 | | | 1 |
| 3.77 | 3.79 | 3.81 | 219981.4 | 61119.733472 | | | 2 |
| 3.84 | 3.86 | 3.88 | 1446908 | 234824.457162 | | | 3 |
| 3.96 | 3.98 | 4.00 | 656847.7 | 95027.386221 | | | 4 |
| 4.05 | 4.07 | 4.09 | 574630.9 | 91838.114552 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1032738 | 148508.875549 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 652650.2 | 93851.826241 | | | 6 |
| Height Summation: | | | **4956865** | | | | |
| Amount Avg CF: | | | **157191.346898** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 10:17:12
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0081.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 124% (61-152) Conc.: 37.77773
%SSR(DCB) : 152% (48-164) Conc.: 41.17271

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 136.93 | |
| 2.86 | 2.88 | 2.90 | 74457.72 | 10604.517908 | | | 1 |
| 3.19 | 3.20 | 3.23 | 2089667 | 237243.522604 | | | 2 |
| 3.38 | 3.38 | 3.42 | 1649639 | 181986.632878 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 1595534 | 176017.81984 | | | 3 |
| 3.45 | 3.47 | 3.49 | 355892.6 | 37015.464991 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 5005215 | 690656.323641 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 6998651 | 965725.262572 | | | 5 |
| 3.61 | 3.63 | 3.65 | 1049580 | 127776.296293 | | | 6 |
| Height Summation: | | | **12217887.32** | | | | |
| Amount Avg CF: | | | **260058.616208** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 34.59 | |
| 2.74 | 2.77 | 2.78 | 27425.62 | 6521.443783 | | | 1 |
| 2.80 | 2.82 | 2.84 | 9261.339 | 3539.168025 | | | 2 |
| 2.86 | 2.88 | 2.90 | 74457.72 | 7362.04078 | | | 3 |
| Height Summation: | | | **111144.679** | | | | |
| Amount Avg CF: | | | **5807.550863** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 145.80 | |
| 2.86 | 2.88 | 2.90 | 74457.72 | 9167.812678 | | | 1 |
| E 3.19 | 3.20 | 3.23 | 2089667 | 518232.668989 | | | 2 |
| E 3.38 | 3.38 | 3.42 | 1649639 | 405948.571056 | | | 3 |
| E+ 3.38 | 3.41 | 3.42 | 1595534 | 392634.235352 | | | 3 |
| 3.45 | 3.47 | 3.49 | 355892.6 | 86633.08216 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 5005215 | 1800715.578309 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 6998651 | 2517889.81749 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 1049580 | 322825.018801 | | | 6 |
| Height Summation: | | | **12217887.32** | | | | |
| Amount Avg CF: | | | **643449.495195** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 139.73 | |
| 2.86 | 2.88 | 2.90 | 74457.72 | 7471.58112 | | | 1 |
| 3.19 | 3.20 | 3.23 | 2089667 | 171588.739652 | | | 2 |
| 3.38 | 3.38 | 3.42 | 1649639 | 135569.732879 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 1595534 | 131123.305268 | | | 3 |
| 3.45 | 3.47 | 3.49 | 355892.6 | 26711.401632 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 5005215 | 530961.212703 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 6998651 | 742428.091949 | | | 5 |
| 3.61 | 3.63 | 3.65 | 1049580 | 95543.806828 | | | 6 |
| Height Summation: | | | **12217887.32** | | | | |
| Amount Avg CF: | | | **196552.225676** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229473** ACF DF1000 99A04 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.03 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:17:12
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0081.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **59.43** | |
| 4.21 | 4.23 | 4.25 | 1032738 | 132563.106057 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 652650.2 | 83774.720869 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1024221 | 393871.574378 | | | 2 |
| 4.55 | 4.57 | 4.59 | 840924.6 | 97615.026558 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2812233 | 163751.785718 | | | 4 |
| 5.02 | 5.04 | 5.06 | 700299.4 | 116727.882522 | | | 5 |
| 5.14 | 5.16 | 5.18 | 1866334 | 193862.006889 | | | 6 |

Height Summation: **8276750**
Amount Avg CF: **183065.230354** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **6** | **67.03** | |
| 4.74 | 4.76 | 4.78 | 845742.9 | 72735.795775 | | | 1 |
| 4.94 | 4.96 | 4.98 | 1187804 | 101033.080585 | | | 2 |
| 5.14 | 5.16 | 5.18 | 1866334 | 130566.621205 | | | 3 |
| 5.37 | 5.39 | 5.41 | 208587.1 | 26373.534835 | | | 4 |
| 5.61 | 5.63 | 5.65 | 696971.4 | 28289.503124 | | | 5 |
| 5.81 | 5.83 | 5.85 | 541738.7 | 32388.225264 | | | 6 |

Height Summation: **5347178.1**
Amount Avg CF: **65231.126798** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **6** | **51.72** | |
| 5.21 | 5.23 | 5.25 | 201088.5 | 13355.577505 | | | 1 |
| 5.37 | 5.39 | 5.41 | 208587.1 | 19406.774706 | | | 2 |
| 5.61 | 5.63 | 5.65 | 696971.4 | 24366.288264 | | | 3 |
| 5.81 | 5.83 | 5.85 | 541738.7 | 24400.545371 | | | 4 |
| 5.87 | 5.88 | 5.91 | 42792.63 | 3825.799352 | | | 5 |
| 6.24 | 6.25 | 6.28 | 114985.1 | 10296.385493 | | | 6 |

Height Summation: **1806163.43**
Amount Avg CF: **15941.895115** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **5** | **107.72** | |
| 5.81 | 5.83 | 5.85 | 541738.7 | 12600.995362 | | | 1 |
| 5.87 | 5.88 | 5.91 | 42792.63 | 1129.51455 | | | 2 |
| + 6.06 | 6.07 | 6.10 | 20649.82 | 2467.392234 | | | 4 |
| 6.06 | 6.10 | 6.10 | 227981.8 | 27240.940736 | | | 4 |
| 6.23 | 6.25 | 6.27 | 114985.1 | 9412.762861 | | | 5 |
| 6.43 | 6.46 | 6.47 | 26402.08 | 303.052855 | | | 6 |

Height Summation: **953900.31**
Amount Avg CF: **10137.453273** Linear:

## Analysis Report (B)

Injected on : Oct 12, 2017 10:17:12
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0081.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **74.00** | |
| 3.38 | 3.38 | 3.42 | 1649639 | 447041.110422 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 1595534 | 432379.018122 | | | 1 |
| 3.45 | 3.47 | 3.49 | 355892.6 | 65107.860525 | | | 2 |
| 3.49 | 3.51 | 3.53 | 2324060 | 249542.791835 | | | 3 |
| 3.61 | 3.63 | 3.65 | 1049580 | 94844.834159 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 4676.854 | 583.900059 | | | 5 |
| 3.70 | 3.72 | 3.74 | 804181.4 | 100401.160041 | | | 5 |
| 3.84 | 3.85 | 3.88 | 3079458 | 203480.195143 | | | 6 |

Height Summation: **9262811**
Amount Avg CF: **193402.992021** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **15.83** | |
| 4.19 | 4.21 | 4.23 | 4042537 | 177122.98912 | | | 1 |
| 4.28 | 4.30 | 4.32 | 1933935 | 175274.810749 | | | 2 |
| 4.35 | 4.37 | 4.39 | 2269362 | 178283.685616 | | | 3 |
| 4.42 | 4.44 | 4.46 | 1862551 | 206067.502417 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1223207 | 124132.411354 | | | 5 |
| 4.65 | 4.67 | 4.69 | 3148782 | 192167.063655 | | | 6 |

Height Summation: **14480374**
Amount Avg CF: **175508.077152** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **6** | **80.62** | |
| 4.42 | 4.44 | 4.46 | 1862551 | 90025.658785 | | | 1 |
| 4.52 | 4.54 | 4.56 | 1162400 | 74860.357243 | | | 2 |
| 4.65 | 4.67 | 4.69 | 3148782 | 160499.929667 | | | 3 |
| 4.87 | 4.89 | 4.91 | 280341.8 | 20834.81726 | | | 4 |
| 5.06 | 5.08 | 5.10 | 739044.7 | 23398.918477 | | | 5 |
| 5.32 | 5.34 | 5.36 | 665442.3 | 32219.456098 | | | 6 |

Height Summation: **7858561.8**
Amount Avg CF: **66973.189588** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **6** | **55.92** | |
| 4.68 | 4.70 | 4.72 | 112862.1 | 5299.170143 | | | 1 |
| + 4.68 | 4.71 | 4.72 | 86156.87 | 4045.289899 | | | 1 |
| 4.87 | 4.89 | 4.91 | 280341.8 | 13428.26048 | | | 2 |
| 5.06 | 5.08 | 5.10 | 739044.7 | 17725.168551 | | | 3 |
| 5.28 | 5.30 | 5.32 | 115292.2 | 6791.218413 | | | 4 |
| 5.33 | 5.34 | 5.36 | 665442.3 | 24188.89735 | | | 5 |
| 5.71 | 5.72 | 5.74 | 154263.2 | 9544.156133 | | | 6 |

Height Summation: **2067246.3**
Amount Avg CF: **12829.478512** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **5** | **107.49** | |
| 5.28 | 5.30 | 5.32 | 115292.2 | 2376.728129 | | | 1 |
| 5.33 | 5.34 | 5.36 | 665442.3 | 14557.241801 | | | 2 |
| 5.48 | 5.50 | 5.52 | 78053.26 | 1809.678005 | | | 3 |
| 5.70 | 5.72 | 5.74 | 154263.2 | 8539.261982 | | | 5 |
| 5.90 | 5.92 | 5.94 | 49548.17 | 349.806995 | | | 6 |

Height Summation: **1062599.13**
Amount Avg CF: **5526.543382** Linear:

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229473** ACF DF1000 99A04 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.03 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 10:17:12 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0081.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 10:17:12 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0081.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 50847.4607 | 9870.3894 | | ** 88.16 | 4 | 40 | |
| Aroclor-1221 | | | 50847.4607 | 15254.2382 | | 2.20 | 3 | 40 | |
| Aroclor-1232 | | | 50847.4607 | 12263.2111 | E | ** 94.47 | 4 | 40 | |
| Aroclor-1242 | | | 50847.4607 | 12263.2111 | | ** 89.43 | 4 | 40 | |
| Aroclor-1248 | | | 50847.4607 | 9870.3894 | | 20.66 | 4 | 40 | |
| Aroclor-1254 | | | 50847.4607 | 13160.5192 | | 4.22 | 4 | 40 | |
| Aroclor-1260 | | | 50847.4607 | 11665.0057 | | 2.64 | 4 | 40 | |
| Aroclor-1262 | | | 50847.4607 | 9870.3894 | | 21.64 | 4 | 40 | |
| Aroclor-1268 | | | 50847.4607 | 9870.3894 | | ** 58.87 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:17:12 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0081.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.581 | | 92628 | 107435 |
| 1.687 | | 127577 | 114634 |
| 1.92 | | 2141 | 598 |
| 2.051 | | 21711 | 25191 |
| 2.085 | | 3920 | 3273 |
| 2.209 | | 27637 | 18946 |
| 2.334 | | 4834 | 3188 |
| 2.373 | | 3077 | 2371 |
| 2.495 | | 4079 | 2875 |
| 2.658 | | 11000 | 6553 |
| 2.895 | | 4022 | 4108 |
| 2.935 | TCX | 18085 | 13686 |
| 3.089 | | 18981 | 17944 |
| 3.141 | | 6040 | 4187 |
| 3.189 | | 49929 | 34699 |
| 3.257 | | 3980 | 2390 |
| 3.281 | | 54089 | 37526 |
| 3.403 | | 165608 | 92572 |
| 3.419 | | 303203 | 181163 |
| 3.456 | | 22281 | 14148 |
| 3.483 | | 8756 | 4660 |
| 3.518 | | 1396221 | 936761 |
| 3.551 | | 6252 | 3771 |
| 3.585 | | 60812 | 42620 |
| 3.625 | | 87504 | 50538 |
| 3.64 | | 19263 | 9025 |
| 3.694 | | 2523487 | 2898987 |
| 3.739 | | 1025759 | 761858 |
| 3.79 | | 219981 | 159774 |
| 3.829 | | 479020 | 362028 |
| 3.858 | | 1446908 | 1009055 |
| 3.884 | | 3177673 | 2082245 |
| 3.906 | | 4263944 | 2929748 |
| 3.98 | | 656848 | 475377 |
| 4.004 | | 1006710 | 731989 |
| 4.036 | | 1399190 | 1051794 |
| 4.069 | | 574631 | 548175 |
| 4.115 | | 237568 | 198762 |
| 4.142 | | 169289 | 115152 |
| 4.16 | | 14799 | 6623 |
| 4.195 | | 346784 | 268985 |
| 4.229 | | 1032739 | 710768 |
| 4.247 | | 652650 | 351299 |
| 4.272 | | 2581014 | 2132034 |
| 4.309 | | 20534 | 13250 |
| 4.34 | | 1024221 | 853434 |
| 4.38 | | 2153525 | 2528443 |
| 4.417 | | 1148077 | 954305 |
| 4.457 | | 442155 | 325895 |
| 4.48 | | 295893 | 202219 |
| 4.521 | | 591521 | 532940 |
| 4.571 | | 840925 | 673852 |
| 4.602 | | 184733 | 110306 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.633 | | 2812233 | 2373466 |
| 4.681 | | 352208 | 265354 |
| 4.716 | | 179722 | 109593 |
| 4.737 | | 124009 | 66871 |
| 4.757 | | 845743 | 725802 |
| 4.804 | | 385546 | 326088 |
| 4.845 | | 1574578 | 1521211 |
| 4.875 | | 17416 | 10260 |
| 4.904 | | 248218 | 244798 |
| 4.956 | | 1187804 | 1535519 |
| 5.007 | | 53733 | 45276 |
| 5.043 | | 700299 | 749504 |
| 5.089 | | 127714 | 99964 |
| 5.115 | | 23010 | 19634 |
| 5.127 | | 93565 | 58220 |
| 5.16 | | 1866334 | 1666840 |
| 5.183 | | 96590 | 46372 |
| 5.202 | | 65307 | 37630 |
| 5.227 | | 201089 | 157550 |
| 5.268 | | 151739 | 156865 |
| 5.343 | | 4773 | 3549 |
| 5.367 | | 381602 | 316294 |
| 5.39 | | 208587 | 156486 |
| 5.446 | | 133846 | 116629 |
| 5.484 | | 176500 | 181219 |
| 5.524 | | 17391 | 19040 |
| 5.566 | | 403439 | 382809 |
| 5.601 | | 134482 | 107799 |
| 5.625 | | 696971 | 633677 |
| 5.664 | | 20437 | 15340 |
| 5.713 | | 2444 | 1967 |
| 5.784 | | 5225 | 4922 |
| 5.83 | | 541739 | 545604 |
| 5.861 | | 93504 | 72494 |
| 5.885 | | 42793 | 28660 |
| 5.996 | | 60405 | 56332 |
| 6.049 | | 12097 | 9372 |
| 6.072 | | 20650 | 12646 |
| 6.1 | | 227982 | 211059 |
| 6.165 | | 31618 | 28555 |
| 6.201 | | 2533 | 2619 |
| 6.228 | | 35614 | 29370 |
| 6.254 | | 114985 | 105945 |
| 6.298 | | 7012 | 5887 |
| 6.336 | | 7220 | 8507 |
| 6.455 | | 26402 | 27859 |
| 6.512 | | 1294 | 400 |
| 6.568 | | 7986 | 6908 |
| 6.602 | DCB | 8828 | 8304 |
| 6.638 | | 19257 | 19286 |
| 6.759 | | 1701 | 594 |
| 6.955 | | 1429 | 467 |
| 7.135 | | 1035 | 376 |
| 7.204 | | 1420 | 1495 |
| 7.253 | | 1557 | 530 |
| 7.345 | | 1235 | 758 |
| 7.466 | | 1455 | 896 |
| 7.587 | | 1991 | 388 |
| 7.596 | | 1190 | 459 |
| 7.643 | | 1383 | 618 |
| 7.719 | | 1247 | 294 |
| 8.013 | | 917 | 425 |
| 8.043 | | 1414 | 561 |
| 8.073 | | 1577 | 469 |
| 8.142 | | 1208 | 565 |
| 8.154 | | 1457 | 853 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.402 | | 1289 | 1047 |
| 8.466 | | 1827 | 456 |
| 8.528 | | 1382 | 676 |

LANCASTER LABORATORIES

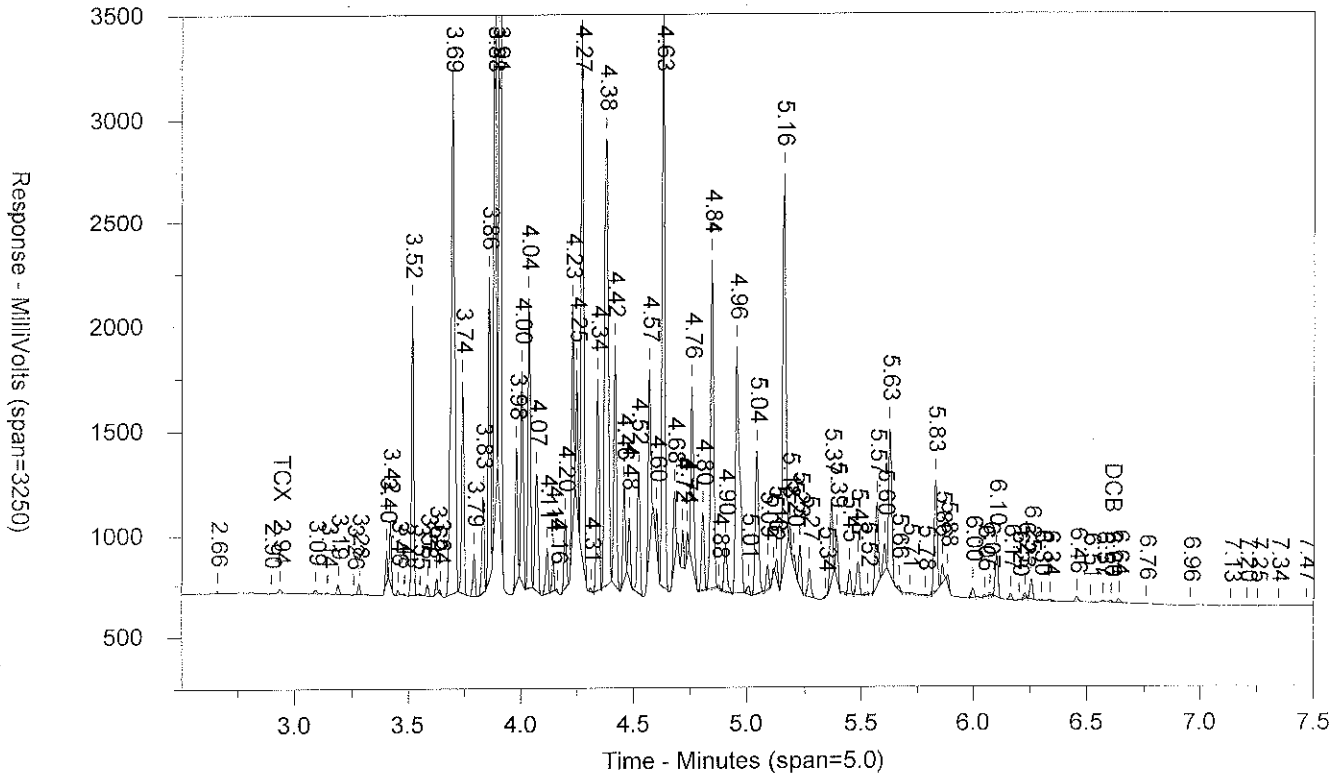
Sample Number: 9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:17:12 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0081.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.771 | | 24424 | 24359 |
| 1.9 | | 9761 | 6293 |
| 1.932 | | 45801 | 31219 |
| 1.969 | | 7184 | 16944 |
| 2.207 | | 3173 | 3902 |
| 2.311 | | 2727 | 2770 |
| 2.34 | | 16840 | 10428 |
| 2.449 | | 2115 | 2577 |
| 2.554 | | 1853 | 1850 |
| 2.591 | TCX | 15707 | 9816 |
| 2.635 | | 15077 | 20027 |
| 2.768 | | 27426 | 25800 |
| 2.824 | | 9261 | 6691 |
| 2.876 | | 74458 | 57638 |
| 2.987 | | 88657 | 60285 |
| 3.084 | | 160304 | 71591 |
| 3.095 | | 356260 | 175568 |
| 3.135 | | 40792 | 24318 |
| 3.157 | | 5606 | 3007 |
| 3.181 | | 13421 | 6618 |
| 3.203 | | 2089667 | 1317613 |
| 3.244 | | 7686 | 5242 |
| 3.29 | | 213398 | 186264 |
| 3.363 | | 3425635 | 2550369 |
| 3.383 | | 1649639 | 888480 |
| 3.413 | | 1595534 | 965859 |
| 3.469 | | 355893 | 311879 |
| 3.506 | | 2324060 | 1431603 |
| 3.529 | | 5005215 | 2566343 |
| 3.547 | | 6998651 | 3846993 |
| 3.632 | | 1049580 | 582020 |
| 3.654 | | 1507703 | 847663 |
| 3.675 | | 2209459 | 1419307 |
| 3.703 | | 4677 | 1538 |
| 3.72 | | 804181 | 579787 |
| 3.759 | | 335943 | 264052 |
| 3.81 | | 360387 | 253232 |
| 3.831 | | 211626 | 113859 |
| 3.853 | | 3079458 | 1961823 |
| 3.878 | | 2610694 | 1492716 |
| 3.897 | | 1328287 | 696212 |
| 3.917 | | 1354312 | 805106 |
| 3.952 | | 3441676 | 2312054 |
| 3.983 | | 1551862 | 921017 |
| 4 | | 610057 | 296232 |
| 4.022 | | 663954 | 422245 |
| 4.061 | | 526617 | 406603 |
| 4.095 | | 803213 | 555483 |
| 4.116 | | 54241 | 27753 |
| 4.151 | | 1620376 | 1181232 |
| 4.185 | | 459996 | 373660 |
| 4.211 | | 4042537 | 3059979 |
| 4.249 | | 347619 | 294481 |
| 4.302 | | 1933935 | 1825337 |

| | | | |
|---|---|---|---|
| 4.339 | | 606936 | 523600 |
| 4.372 | | 2269362 | 1561999 |
| 4.395 | | 561182 | 385373 |
| 4.439 | | 1862551 | 1849585 |
| 4.536 | | 1162400 | 1230583 |
| 4.588 | | 1223207 | 1001194 |
| 4.63 | | 556759 | 460058 |
| 4.667 | | 3148782 | 2795395 |
| 4.699 | | 112862 | 53562 |
| 4.713 | | 86157 | 37771 |
| 4.738 | | 203294 | 153176 |
| 4.795 | | 29180 | 37080 |
| 4.837 | | 26966 | 15559 |
| 4.854 | | 150456 | 104656 |
| 4.887 | | 280342 | 190922 |
| 4.91 | | 685616 | 533846 |
| 4.961 | | 321283 | 270580 |
| 4.997 | | 149084 | 124648 |
| 5.027 | | 101507 | 77928 |
| 5.059 | | 552507 | 393155 |
| 5.082 | | 739045 | 584809 |
| 5.122 | | 16683 | 11467 |
| 5.153 | | 33485 | 28845 |
| 5.274 | | 3643 | 2167 |
| 5.297 | | 115292 | 106132 |
| 5.34 | | 665442 | 716963 |
| 5.442 | | 4186 | 3100 |
| 5.497 | | 78053 | 63559 |
| 5.528 | | 11321 | 6855 |
| 5.544 | | 28458 | 19443 |
| 5.589 | | 240640 | 180661 |
| 5.614 | | 85116 | 64383 |
| 5.66 | | 6589 | 6440 |
| 5.698 | | 56852 | 41970 |
| 5.724 | | 154263 | 131126 |
| 5.757 | | 8128 | 5938 |
| 5.924 | | 49548 | 45382 |
| 6.061 | | 12706 | 9139 |
| 6.083 | DCB | 15633 | 11164 |
| 6.121 | | 44635 | 40781 |
| 6.214 | | 5174 | 4908 |
| 6.284 | | 3204 | 3267 |
| 7.127 | | 1457 | 2629 |
| 7.519 | | 1978 | 3319 |
| 7.823 | | 1669 | 1466 |
| 8.166 | | 9789 | 19723 |

9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0081.RAW

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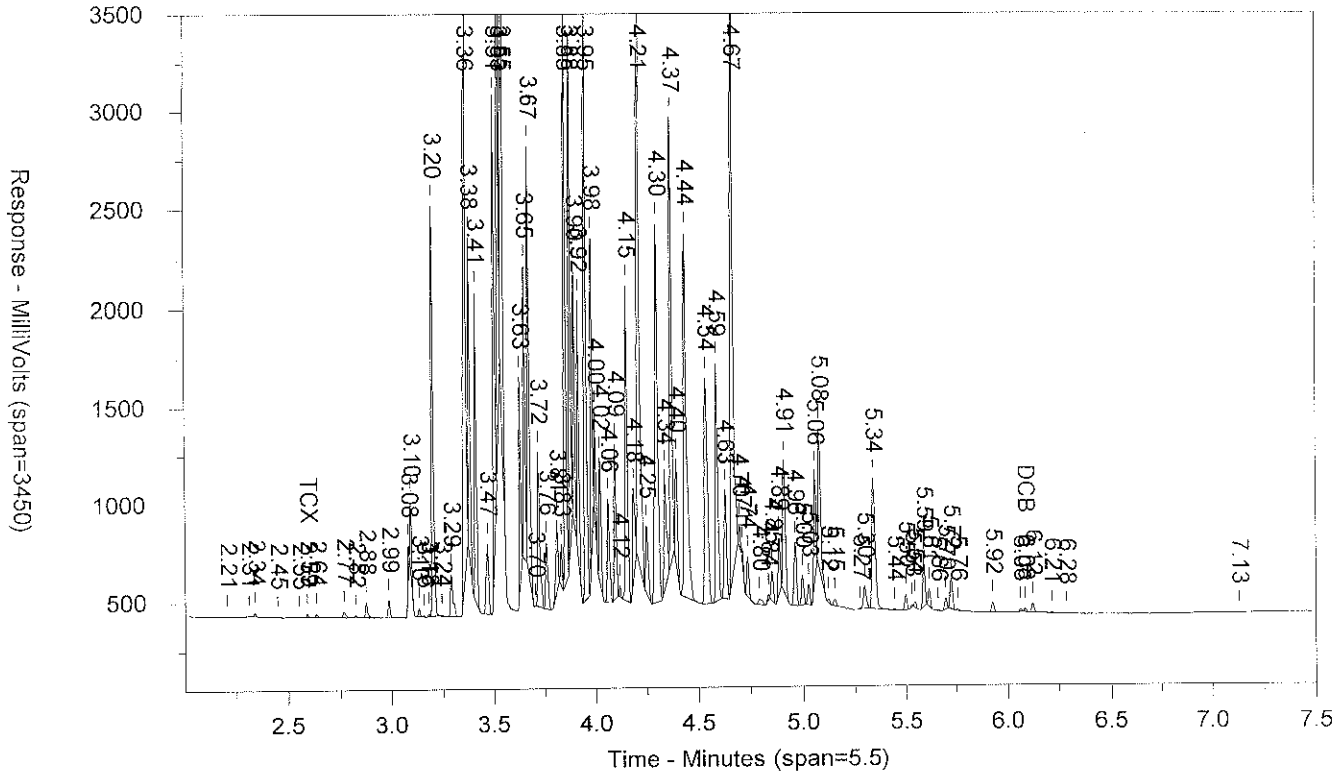


LANCASTER LABORATORIES

Sample Number: 9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:17:12 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.03
Dilution Factor: 10000

Threshold: 8
Calibration Type: external
Quantitation: Height

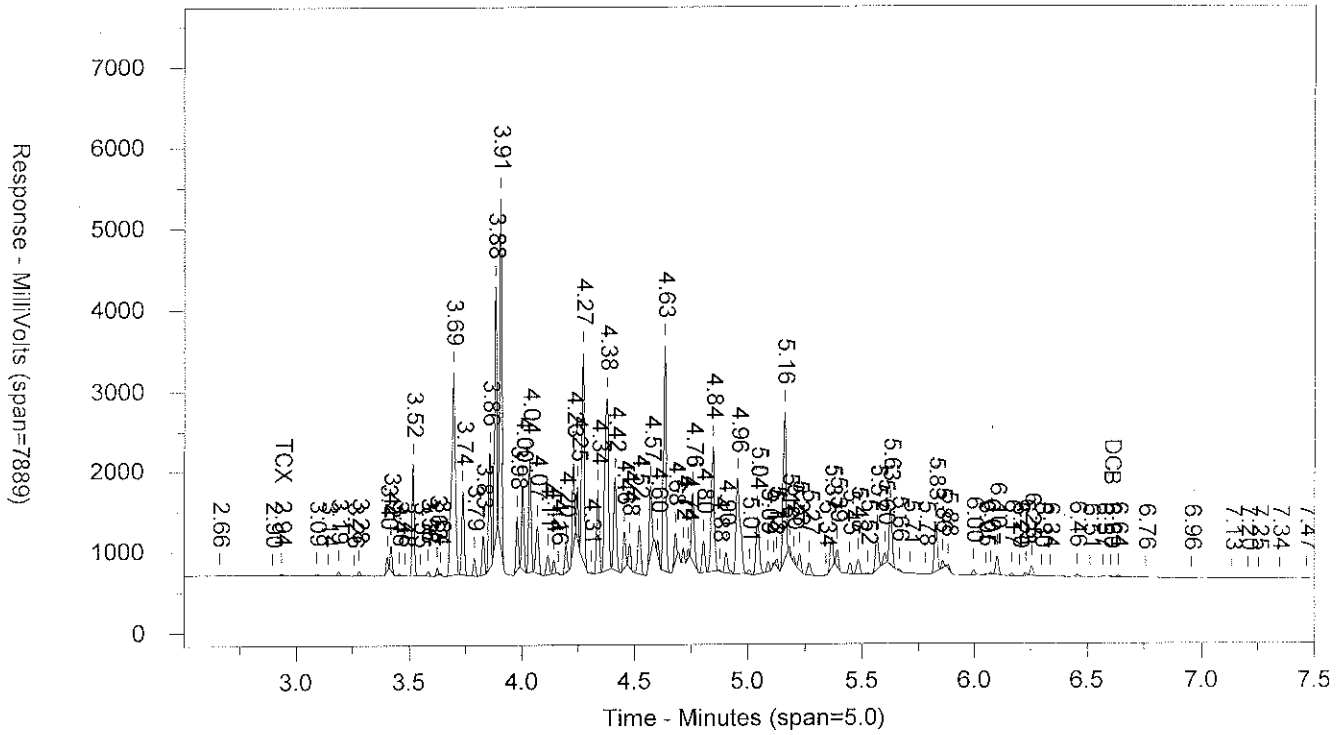
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.935 | 18085 | 65.776 | TCX | 2.591 | 15707 | 37.778 | TCX |
| 6.602 | 8828 | 43.617 | DCB | 6.083 | 15633 | 41.173 | DCB |

Files:
Area File: 07PCBS17284001.0081.RAW
Area File: 07PCBS17284001B.0081.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 10:25:53 AM
File Reported On: 10/12/2017 at 10:26:04 AM

9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0081.RAW

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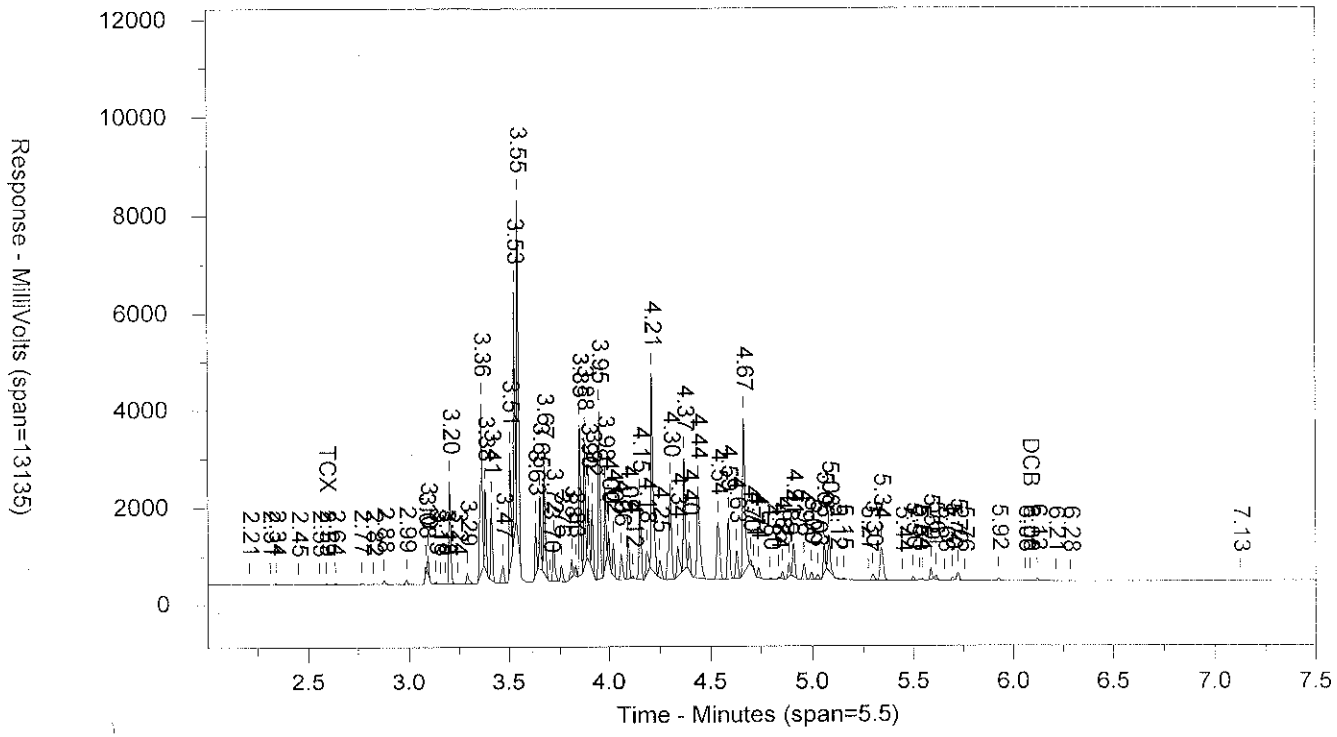
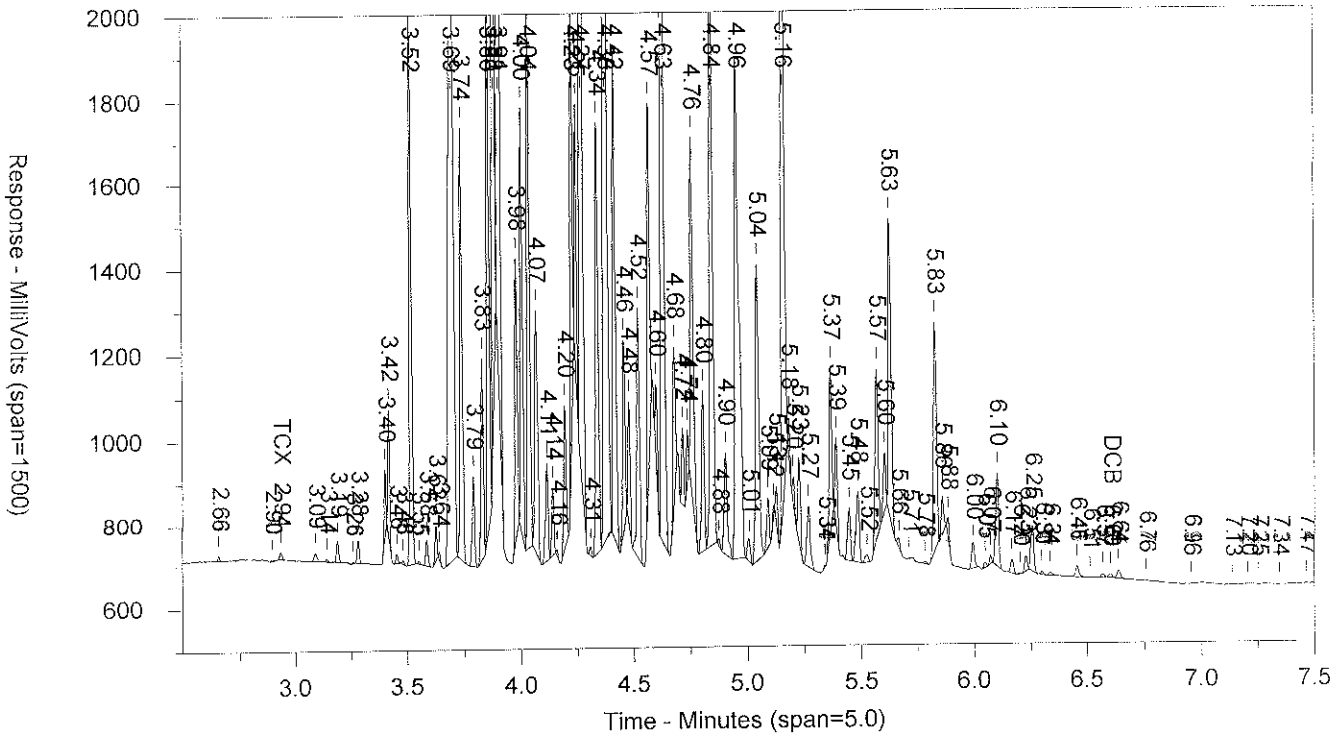


9229473 ACF DF1000 AD99A04 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0081.RAW

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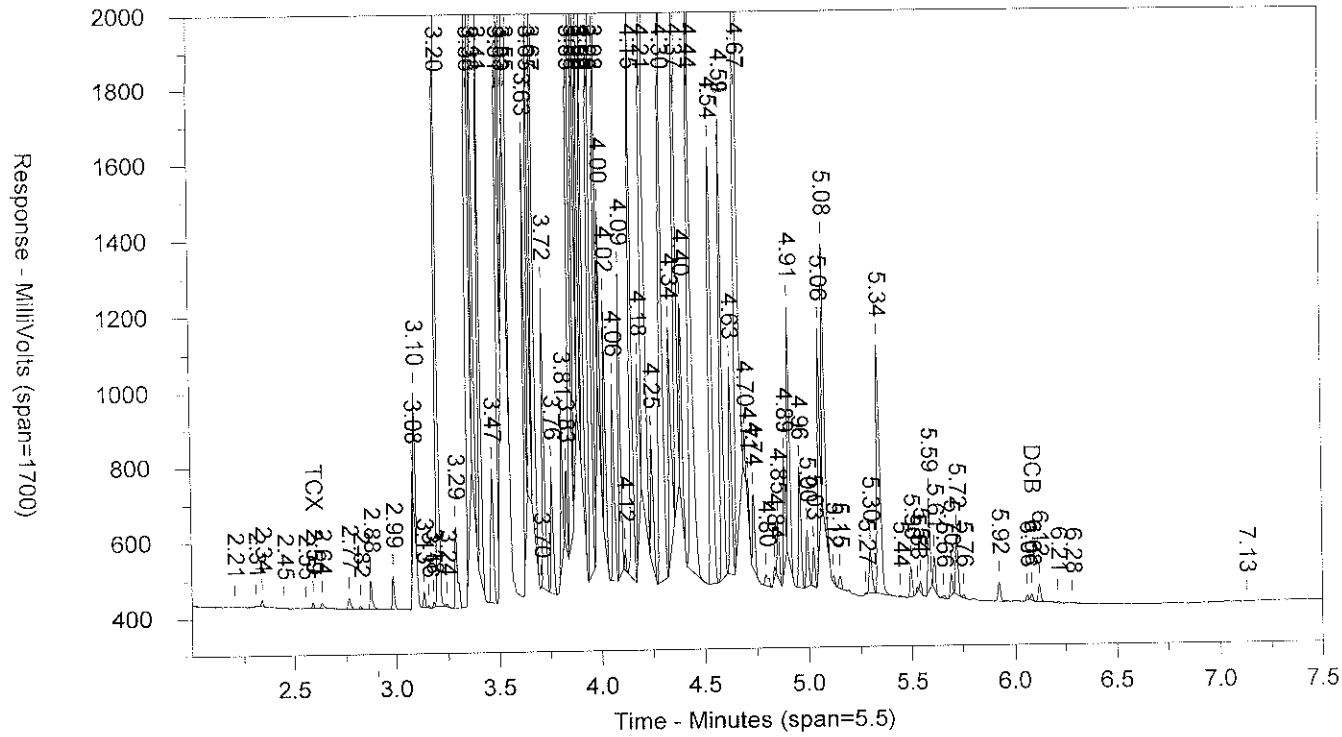

eurofins

Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229474** ACF DF100 99A05 Sample ID: AC **Batchnumber: 172820027A**

Sample Amount: 10 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE

**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:28:41 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0082.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 109% ( 61 - 152 ) Conc: 33.44501

%SSR(DCB) 113% ( 48 - 164 ) Conc: 30.76527

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:28:41 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0082.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 114% ( 61 - 152 ) Conc: 34.7724

%SSR(DCB) 115% ( 48 - 164 ) Conc: 31.14206

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 91680 | 33.44501 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 144141 | 34.7724 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 62080 | 30.76527 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 117890 | 31.14206 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 34.7724 | | | | 3.89 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 33.44501 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 34.7724 | | | | | |
| ☐ | Decachlorobiphenyl | B | 31.14206 | | | | 1.22 | |
| ☑ | Decachlorobiphenyl-D1 | A | 30.76527 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 31.14206 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **29.28** | |
| 4.21 | 4.23 | 4.25 | 1718642 | 22126.813121 | | | 1 |
| 4.32 | 4.34 | 4.36 | 873043 | 33674.218882 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1273860 | 14831.403596 | | | 3 |
| 4.61 | 4.63 | 4.65 | 5120295 | 29904.094789 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1231660 | 20591.245827 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3085305 | 32144.181557 | | | 6 |

Height summation: **13302805**

Concentration CF: **25545.326295** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **19.10** | |
| 4.19 | 4.21 | 4.23 | 7263167 | 31918.898233 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3445251 | 31318.39044 | | | 2 |
| 4.35 | 4.37 | 4.39 | 3763576 | 29655.786647 | | | 3 |
| 4.42 | 4.44 | 4.46 | 3623154 | 40205.832675 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2138992 | 21771.849698 | | | 5 |
| 4.65 | 4.67 | 4.69 | 4912198 | 30068.596484 | | | 6 |

Height summation: **25146338**

Concentration CF: **30823.225696** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <5100 | <990 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <5100 | <1530 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <5100 | <1230 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <5100 | <1230 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <5100 | <990 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 25545.326295 | 5100 | 1320 | D1 | 18.73 | 4 | |
| ☑ | PCB-1260 | | | <5100 | <1170 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:29

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229474** ACF DF100 99A05 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0082.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 33.44501
%SSR(DCB) : 113% (48-164) Conc.: 30.76527

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 124.54 | |
| 3.17 | 3.19 | 3.21 | 7033.383 | 146.258078 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 19901.99 | 394.783772 | | | 2 |
| 3.38 | 3.42 | 3.42 | 23200.59 | 460.216111 | | | 2 |
| 3.50 | 3.52 | 3.54 | 142478 | 2352.976886 | | | 3 |
| 3.71 | 3.74 | 3.75 | 145315.2 | 1974.93448 | | | 4 |
| 3.77 | 3.79 | 3.81 | 62556.82 | 965.79294 | | | 5 |
| 3.96 | 3.98 | 4.00 | 387930.2 | 7853.009354 | | | 6 |
| Height Summation: | | | **768514.193** | | | | |
| Amount Avg CF: | | | **2292.197975** | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.17 | 3.19 | 3.21 | 7033.383 | 104.582629 | | | 3 |
| Height Summation: | | | **7033.383** | | | | |
| Amount Avg CF: | | | **104.582629** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 136.20 | |
| 3.17 | 3.19 | 3.21 | 7033.383 | 125.849087 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 19901.99 | 876.67034 | | | 2 |
| 3.38 | 3.42 | 3.42 | 23200.59 | 1021.971628 | | | 2 |
| 3.50 | 3.52 | 3.54 | 142478 | 5167.91221 | | | 3 |
| 3.71 | 3.74 | 3.75 | 145315.2 | 4353.281978 | | | 4 |
| 3.77 | 3.79 | 3.81 | 62556.82 | 2292.094792 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 387930.2 | 20723.661109 | | | 6 |
| Height Summation: | | | **768514.193** | | | | |
| Amount Avg CF: | | | **5614.128467** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 125.17 | |
| 3.17 | 3.19 | 3.21 | 7033.383 | 105.081104 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 19901.99 | 293.950469 | | | 2 |
| 3.38 | 3.42 | 3.42 | 23200.59 | 342.670472 | | | 2 |
| 3.50 | 3.52 | 3.54 | 142478 | 1766.627774 | | | 3 |
| 3.71 | 3.74 | 3.75 | 145315.2 | 1438.816353 | | | 4 |
| 3.77 | 3.79 | 3.81 | 62556.82 | 721.964962 | | | 5 |
| 3.96 | 3.98 | 4.00 | 387930.2 | 5879.128823 | | | 6 |
| Height Summation: | | | **768514.193** | | | | |
| Amount Avg CF: | | | **1709.048248** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 88.80 | |
| 3.71 | 3.74 | 3.75 | 145315.2 | 4430.817469 | | | 1 |
| 3.77 | 3.79 | 3.81 | 62556.82 | 1743.295812 | | | 2 |
| 3.84 | 3.86 | 3.88 | 712140.6 | 11592.286027 | | | 3 |
| 3.96 | 3.98 | 4.00 | 387930.2 | 5629.095591 | | | 4 |
| 4.05 | 4.07 | 4.09 | 480258 | 7698.560447 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1718642 | 24788.40632 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 599169.4 | 8641.971127 | | | 6 |
| Height Summation: | | | **3506842.82** | | | | |
| Amount Avg CF: | | | **9313.743611** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0082.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 114% (61-152) Conc.: 34.7724
%SSR(DCB) : 115% (48-164) Conc.: 31.14206

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 127.75 | |
| + 2.86 | 2.88 | 2.90 | 3668.219 | 52.400736 | | | 1 |
| 2.86 | 2.89 | 2.90 | 6584.421 | 94.058862 | | | 1 |
| 3.19 | 3.20 | 3.23 | 223393 | 2543.828173 | | | 2 |
| 3.38 | 3.38 | 3.42 | 397569.5 | 4399.107419 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 203043.6 | 2246.677895 | | | 3 |
| 3.45 | 3.47 | 3.49 | 105443.5 | 1099.980529 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 1450421 | 20074.016059 | | | 5 |
| 3.51 | 3.55 | 3.55 | 1512108 | 20927.772195 | | | 5 |
| 3.61 | 3.63 | 3.65 | 587087.4 | 7168.667575 | | | 6 |
| Height Summation: | | | **2832185.821** | | | | |
| Amount Avg CF: | | | **6038.902459** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 62.26 | |
| 2.74 | 2.77 | 2.78 | 10542.7 | 251.443308 | | | 1 |
| 2.80 | 2.81 | 2.84 | 8394.988 | 321.772121 | | | 2 |
| + 2.86 | 2.88 | 2.90 | 3668.219 | 36.378491 | | | 3 |
| 2.86 | 2.89 | 2.90 | 6584.421 | 65.299072 | | | 3 |
| Height Summation: | | | **25522.109** | | | | |
| Amount Avg CF: | | | **212.838167** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 134.53 | |
| + 2.86 | 2.88 | 2.90 | 3668.219 | 45.301459 | | | 1 |
| 2.86 | 2.89 | 2.90 | 6584.421 | 81.315722 | | | 1 |
| 3.19 | 3.20 | 3.23 | 223393 | 5556.71594 | | | 2 |
| 3.38 | 3.38 | 3.42 | 397569.5 | 9812.871103 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 203043.6 | 5011.553137 | | | 3 |
| 3.45 | 3.47 | 3.49 | 105443.5 | 2574.456475 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 1450421 | 52338.032969 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 1512108 | 54563.990977 | | | 5 |
| 3.61 | 3.63 | 3.65 | 587087.4 | 18111.537991 | | | 6 |
| Height Summation: | | | **2832185.821** | | | | |
| Amount Avg CF: | | | **15116.814701** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 130.15 | |
| + 2.86 | 2.88 | 2.90 | 3668.219 | 36.919769 | | | 1 |
| 2.86 | 2.89 | 2.90 | 6584.421 | 66.270662 | | | 1 |
| 3.19 | 3.20 | 3.23 | 223393 | 1839.849052 | | | 2 |
| 3.38 | 3.38 | 3.42 | 397569.5 | 3277.085841 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 203043.6 | 1673.647769 | | | 3 |
| 3.45 | 3.47 | 3.49 | 105443.5 | 793.776917 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 1450421 | 15432.456847 | | | 5 |
| 3.51 | 3.55 | 3.55 | 1512108 | 16088.805566 | | | 5 |
| 3.61 | 3.63 | 3.65 | 587087.4 | 5360.319636 | | | 6 |
| Height Summation: | | | **2832185.821** | | | | |
| Amount Avg CF: | | | **4571.017946** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229474** ACF DF100 99A05 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0082.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **29.28** | |
| 4.21 | 4.23 | 4.25 | 1718642 | 22126.813121 | | | 1 |
| 4.32 | 4.34 | 4.36 | 873043 | 33674.218882 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1273860 | 14831.403596 | | | 3 |
| 4.61 | 4.63 | 4.65 | 5120295 | 29904.094789 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1231660 | 20591.245827 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3085305 | 32144.181557 | | | 6 |
| Height Summation: | | | **13302805** | | | | |
| Amount Avg CF: | | | **25545.326295** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **66.48** | |
| + 4.74 | 4.74 | 4.78 | 15768.8 | 136.02208 | | | 1 |
| 4.74 | 4.76 | 4.78 | 1659610 | 14315.83915 | | | 1 |
| 4.94 | 4.96 | 4.98 | 1881171 | 16049.001581 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3085305 | 21649.19906 | | | 3 |
| 5.37 | 5.39 | 5.41 | 383643.2 | 4865.296742 | | | 4 |
| 5.61 | 5.63 | 5.65 | 991310.3 | 4035.718949 | | | 5 |
| 5.81 | 5.83 | 5.85 | 878666.4 | 5268.927738 | | | 6 |
| Height Summation: | | | **8879705.9** | | | | |
| Amount Avg CF: | | | **11030.66387** | Linear: | | | |
| **Aroclor-1262** | | | | | **5** | **35.98** | |
| 5.21 | 5.23 | 5.25 | 320842.5 | 2137.313664 | | | 1 |
| 5.37 | 5.39 | 5.41 | 383643.2 | 3580.093391 | | | 2 |
| 5.61 | 5.63 | 5.65 | 991310.3 | 3476.041655 | | | 3 |
| 5.81 | 5.83 | 5.85 | 878666.4 | 3969.489198 | | | 4 |
| 6.24 | 6.26 | 6.28 | 167702.2 | 1506.200959 | | | 6 |
| Height Summation: | | | **2742164.6** | | | | |
| Amount Avg CF: | | | **2933.827773** | Linear: | | | |
| **Aroclor-1268** | | | | | **4** | **78.97** | |
| 5.81 | 5.83 | 5.85 | 878666.4 | 2049.934303 | | | 1 |
| + 6.06 | 6.07 | 6.10 | 27844.79 | 333.708142 | | | 4 |
| 6.06 | 6.10 | 6.10 | 266602.4 | 3195.118066 | | | 4 |
| 6.23 | 6.26 | 6.27 | 167702.2 | 1376.940719 | | | 5 |
| 6.43 | 6.46 | 6.47 | 38879.35 | 44.76104 | | | 6 |
| Height Summation: | | | **1351850.35** | | | | |
| Amount Avg CF: | | | **1666.688532** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0082.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **84.38** | |
| 3.38 | 3.38 | 3.42 | 397569.5 | 10806.188535 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 203043.6 | 5518.852483 | | | 1 |
| 3.45 | 3.47 | 3.49 | 105443.5 | 1934.796142 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1122759 | 12091.638971 | | | 3 |
| 3.61 | 3.63 | 3.65 | 587087.4 | 5321.104986 | | | 4 |
| + 3.70 | 3.71 | 3.74 | 9704.884 | 121.527899 | | | 5 |
| 3.70 | 3.72 | 3.74 | 622309.1 | 7792.768797 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4331108 | 28704.355933 | | | 6 |
| Height Summation: | | | **7166276.5** | | | | |
| Amount Avg CF: | | | **11108.475561** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **19.10** | |
| 4.19 | 4.21 | 4.23 | 7263167 | 31918.898233 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3445251 | 31318.39044 | | | 2 |
| 4.35 | 4.37 | 4.39 | 3763576 | 29655.786647 | | | 3 |
| 4.42 | 4.44 | 4.46 | 3623154 | 40205.832675 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2138992 | 21771.849698 | | | 5 |
| 4.65 | 4.67 | 4.69 | 4912198 | 30068.596484 | | | 6 |
| Height Summation: | | | **25146338** | | | | |
| Amount Avg CF: | | | **30823.225696** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **74.49** | |
| 4.42 | 4.44 | 4.46 | 3623154 | 17564.907281 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2200928 | 14216.839566 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4912198 | 25113.604429 | | | 3 |
| 4.87 | 4.89 | 4.91 | 536887.6 | 4002.083492 | | | 4 |
| 5.06 | 5.08 | 5.10 | 1261961 | 4007.485356 | | | 5 |
| 5.32 | 5.34 | 5.36 | 1093488 | 5310.345221 | | | 6 |
| Height Summation: | | | **13628616.6** | | | | |
| Amount Avg CF: | | | **11702.544224** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **57.66** | |
| + 4.68 | 4.70 | 4.72 | 148712.6 | 700.339201 | | | 1 |
| 4.68 | 4.71 | 4.72 | 181393.2 | 854.243479 | | | 1 |
| 4.87 | 4.89 | 4.91 | 536887.6 | 2579.385215 | | | 2 |
| 5.06 | 5.08 | 5.10 | 1261961 | 3035.753703 | | | 3 |
| 5.28 | 5.30 | 5.32 | 173896.2 | 1027.398191 | | | 4 |
| 5.33 | 5.34 | 5.36 | 1093488 | 3986.764862 | | | 5 |
| 5.71 | 5.73 | 5.74 | 236545.6 | 1467.881532 | | | 6 |
| Height Summation: | | | **3484171.6** | | | | |
| Amount Avg CF: | | | **2158.571164** | Linear: | | | |
| **Aroclor-1268** | | | | | **6** | **112.58** | |
| 5.28 | 5.30 | 5.32 | 173896.2 | 359.559365 | | | 1 |
| 5.33 | 5.34 | 5.36 | 1093488 | 2399.294985 | | | 2 |
| 5.48 | 5.50 | 5.52 | 111330.5 | 258.896008 | | | 3 |
| 5.55 | 5.55 | 5.59 | 44999.32 | 403.107218 | | | 4 |
| 5.70 | 5.73 | 5.74 | 236545.6 | 1313.329831 | | | 5 |
| 5.90 | 5.93 | 5.94 | 69985.44 | 49.557513 | | | 6 |
| Height Summation: | | | **1730245.06** | | | | |
| Amount Avg CF: | | | **797.29082** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229474** ACF DF100 99A05 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0082.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 10:28:41
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0082.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 5100 | 990 | | ** 89.95 | 4 | 40 | |
| Aroclor-1221 | | | 5100 | 1530 | | ** 68.21 | 3 | 40 | |
| Aroclor-1232 | | | 5100 | 1230 | E | ** 91.68 | 4 | 40 | |
| Aroclor-1242 | | | 5100 | 1230 | | ** 91.14 | 4 | 40 | |
| Aroclor-1248 | | | 5100 | 990 | | 17.58 | 4 | 40 | |
| Aroclor-1254 | | | 5100 | 1320 | | 18.73 | 4 | 40 | |
| Aroclor-1260 | | | 5100 | 1170 | | 5.91 | 4 | 40 | |
| Aroclor-1262 | | | 5100 | 990 | | 30.45 | 4 | 40 | |
| Aroclor-1268 | | | 5100 | 990 | | ** 70.57 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:28:41 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0082.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.582 | | 53325 | 57398 |
| 1.688 | | 24166 | 20300 |
| 2.052 | | 21737 | 38818 |
| 2.208 | | 8678 | 5231 |
| 2.334 | | 11392 | 10603 |
| 2.408 | | 1897 | 1113 |
| 2.504 | | 13754 | 25962 |
| 2.659 | | 6074 | 4096 |
| 2.904 | | 16491 | 23444 |
| 2.937 | TCX | 91680 | 63900 |
| 3.19 | | 7033 | 5660 |
| 3.261 | | 15342 | 13041 |
| 3.284 | | 4472 | 2322 |
| 3.404 | | 19902 | 10784 |
| 3.42 | | 23201 | 13947 |
| 3.476 | | 3716 | 3996 |
| 3.518 | | 142478 | 99120 |
| 3.596 | | 16486 | 13473 |
| 3.626 | | 19031 | 10867 |
| 3.642 | | 5857 | 2378 |
| 3.695 | | 97547 | 47539 |
| 3.739 | | 145315 | 122241 |
| 3.79 | | 62557 | 46909 |
| 3.83 | | 97964 | 71009 |
| 3.859 | | 712141 | 508539 |
| 3.885 | | 879268 | 598214 |
| 3.907 | | 857886 | 581668 |
| 3.957 | | 2128 | 888 |
| 3.981 | | 387930 | 266252 |
| 4.006 | | 401112 | 283326 |
| 4.037 | | 561754 | 440141 |
| 4.07 | | 480258 | 406868 |
| 4.113 | | 105817 | 93416 |
| 4.143 | | 43916 | 28127 |
| 4.16 | | 11182 | 5823 |
| 4.195 | | 137436 | 105723 |
| 4.23 | | 1718642 | 1201874 |
| 4.248 | | 599169 | 328253 |
| 4.273 | | 1867215 | 1530886 |
| 4.341 | | 873043 | 715804 |
| 4.382 | | 3134860 | 3409007 |
| 4.418 | | 1869332 | 1556677 |
| 4.458 | | 255139 | 189498 |
| 4.481 | | 300749 | 216149 |
| 4.522 | | 1112658 | 947749 |
| 4.572 | | 1273861 | 1104982 |
| 4.604 | | 399128 | 258638 |
| 4.633 | | 5120295 | 4291862 |
| 4.682 | | 390057 | 274697 |
| 4.697 | | 79836 | 34091 |
| 4.717 | | 339540 | 228935 |
| 4.738 | | 15769 | 6525 |
| 4.758 | | 1659610 | 1549646 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.804 | | 405490 | 373509 |
| 4.845 | | 2668282 | 2565997 |
| 4.873 | | 15270 | 12565 |
| 4.905 | | 437238 | 445792 |
| 4.957 | | 1881171 | 2612261 |
| 5.007 | | 82857 | 66656 |
| 5.044 | | 1231660 | 1330288 |
| 5.09 | | 210643 | 157176 |
| 5.116 | | 43889 | 38453 |
| 5.128 | | 126205 | 86933 |
| 5.161 | | 3085305 | 2647337 |
| 5.183 | | 143970 | 69586 |
| 5.202 | | 104577 | 59418 |
| 5.227 | | 320843 | 252989 |
| 5.27 | | 271091 | 282809 |
| 5.314 | | 10543 | 9360 |
| 5.367 | | 695435 | 570274 |
| 5.39 | | 383643 | 281679 |
| 5.447 | | 252396 | 210864 |
| 5.484 | | 266169 | 256548 |
| 5.523 | | 31859 | 37077 |
| 5.567 | | 652602 | 618869 |
| 5.601 | | 167134 | 147829 |
| 5.627 | | 991310 | 929355 |
| 5.662 | | 20829 | 19715 |
| 5.714 | | 7128 | 4691 |
| 5.775 | | 1617 | 332 |
| 5.786 | | 7668 | 6564 |
| 5.831 | | 878666 | 847662 |
| 5.861 | | 123155 | 94342 |
| 5.951 | | 6925 | 9761 |
| 5.998 | | 87125 | 78286 |
| 6.05 | | 12559 | 9162 |
| 6.075 | | 27845 | 20833 |
| 6.102 | | 266602 | 246299 |
| 6.166 | | 38215 | 41653 |
| 6.228 | | 38700 | 31852 |
| 6.257 | | 167702 | 163405 |
| 6.3 | | 9665 | 8416 |
| 6.334 | | 1655 | 475 |
| 6.457 | | 38879 | 37433 |
| 6.49 | | 1511 | 652 |
| 6.571 | | 6952 | 5499 |
| 6.603 | DCB | 62080 | 56815 |
| 6.638 | | 17288 | 16630 |
| 6.923 | | 1177 | 430 |
| 6.937 | | 1429 | 844 |
| 6.961 | | 1802 | 1038 |
| 6.989 | | 1362 | 562 |
| 7.172 | | 1640 | 707 |
| 7.313 | | 1693 | 506 |
| 7.594 | | 1777 | 558 |
| 7.642 | | 1327 | 763 |
| 7.82 | | 1304 | 602 |
| 7.834 | | 1737 | 617 |
| 7.856 | | 1886 | 982 |
| 7.889 | | 1937 | 670 |
| 7.941 | | 1669 | 650 |
| 8.029 | | 1112 | 479 |
| 8.104 | | 1530 | 472 |
| 8.149 | | 1633 | 687 |
| 8.283 | | 1210 | 389 |
| 8.341 | | 1701 | 1379 |
| 8.521 | | 1232 | 421 |
| 8.547 | | 1215 | 505 |
| 8.576 | | 1808 | 825 |

LANCASTER LABORATORIES

Sample Number: 9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:28:41 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0082.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.723 | | 3760 | 7432 |
| 1.771 | | 15465 | 16693 |
| 1.795 | | 11808 | 14111 |
| 1.851 | | 11815 | 30205 |
| 1.899 | | 27526 | 30215 |
| 1.932 | | 21850 | 21827 |
| 1.968 | | 11233 | 36442 |
| 2.09 | | 2079 | 1859 |
| 2.157 | | 6867 | 6881 |
| 2.207 | | 2775 | 3045 |
| 2.295 | | 3810 | 5283 |
| 2.34 | | 8426 | 5681 |
| 2.49 | | 9571 | 24263 |
| 2.591 | TCX | 144141 | 87180 |
| 2.681 | | 2521 | 3575 |
| 2.766 | | 10543 | 12353 |
| 2.811 | | 8395 | 20811 |
| 2.877 | | 3668 | 2043 |
| 2.889 | | 6584 | 3718 |
| 2.987 | | 7478 | 4598 |
| 3.085 | | 18339 | 9819 |
| 3.096 | | 26813 | 13073 |
| 3.136 | | 8770 | 4758 |
| 3.158 | | 6317 | 3895 |
| 3.182 | | 5429 | 2551 |
| 3.204 | | 223393 | 140750 |
| 3.245 | | 12438 | 8828 |
| 3.29 | | 31832 | 17477 |
| 3.304 | | 12906 | 6224 |
| 3.364 | | 433057 | 305354 |
| 3.383 | | 397570 | 225449 |
| 3.413 | | 203044 | 114176 |
| 3.471 | | 105444 | 83016 |
| 3.506 | | 1122759 | 699697 |
| 3.529 | | 1450421 | 762650 |
| 3.547 | | 1512108 | 848879 |
| 3.596 | | 7246 | 7644 |
| 3.632 | | 587087 | 340265 |
| 3.655 | | 578156 | 323813 |
| 3.675 | | 879648 | 583987 |
| 3.705 | | 9705 | 3949 |
| 3.721 | | 622309 | 434399 |
| 3.761 | | 166895 | 137182 |
| 3.802 | | 136737 | 121561 |
| 3.832 | | 289283 | 167564 |
| 3.854 | | 4331108 | 2771978 |
| 3.879 | | 1970907 | 1131042 |
| 3.898 | | 961976 | 495159 |
| 3.918 | | 1158001 | 711181 |
| 3.953 | | 4607897 | 3105999 |
| 3.984 | | 2648071 | 1590836 |
| 4 | | 764204 | 369147 |
| 4.023 | | 378520 | 222358 |
| 4.061 | | 505856 | 360850 |

| | | | |
|---|---|---|---|
| 4.096 | | 1243789 | 893389 |
| 4.117 | | 42831 | 24673 |
| 4.152 | | 2321448 | 1660625 |
| 4.185 | | 793858 | 609845 |
| 4.212 | | 7263167 | 5339148 |
| 4.25 | | 569768 | 503826 |
| 4.303 | | 3445251 | 2813547 |
| 4.34 | | 715718 | 551194 |
| 4.373 | | 3763576 | 2575371 |
| 4.396 | | 861738 | 589516 |
| 4.439 | | 3623154 | 3012117 |
| 4.536 | | 2200928 | 2338817 |
| 4.589 | | 2138993 | 1745432 |
| 4.63 | | 925573 | 775635 |
| 4.668 | | 4912198 | 4365066 |
| 4.7 | | 148713 | 62910 |
| 4.714 | | 181393 | 83252 |
| 4.739 | | 344204 | 258877 |
| 4.796 | | 45316 | 57684 |
| 4.838 | | 52402 | 29748 |
| 4.856 | | 234259 | 169476 |
| 4.888 | | 536888 | 359740 |
| 4.911 | | 1315702 | 984524 |
| 4.961 | | 516160 | 420641 |
| 4.997 | | 251123 | 199086 |
| 5.028 | | 152069 | 118255 |
| 5.061 | | 878627 | 650510 |
| 5.083 | | 1261961 | 1003502 |
| 5.123 | | 25478 | 14435 |
| 5.154 | | 51706 | 44587 |
| 5.218 | | 9930 | 7128 |
| 5.254 | | 3240 | 1939 |
| 5.298 | | 173896 | 177297 |
| 5.341 | | 1093488 | 1204646 |
| 5.443 | | 4991 | 4056 |
| 5.498 | | 111331 | 95192 |
| 5.528 | | 12874 | 7230 |
| 5.546 | | 44999 | 32722 |
| 5.591 | | 239330 | 186428 |
| 5.617 | | 124920 | 94428 |
| 5.661 | | 10888 | 12128 |
| 5.698 | | 60388 | 44033 |
| 5.725 | | 236546 | 201238 |
| 5.757 | | 11146 | 7764 |
| 5.805 | | 4889 | 4260 |
| 5.926 | | 69985 | 63289 |
| 6.062 | | 9141 | 5409 |
| 6.085 | DCB | 117890 | 97965 |
| 6.122 | | 43740 | 42815 |
| 6.216 | | 3715 | 2956 |
| 6.286 | | 1807 | 1539 |
| 7.08 | | 1441 | 846 |
| 7.187 | | 1632 | 1990 |
| 7.517 | | 1923 | 3306 |
| 8.166 | | 10983 | 21948 |

9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082

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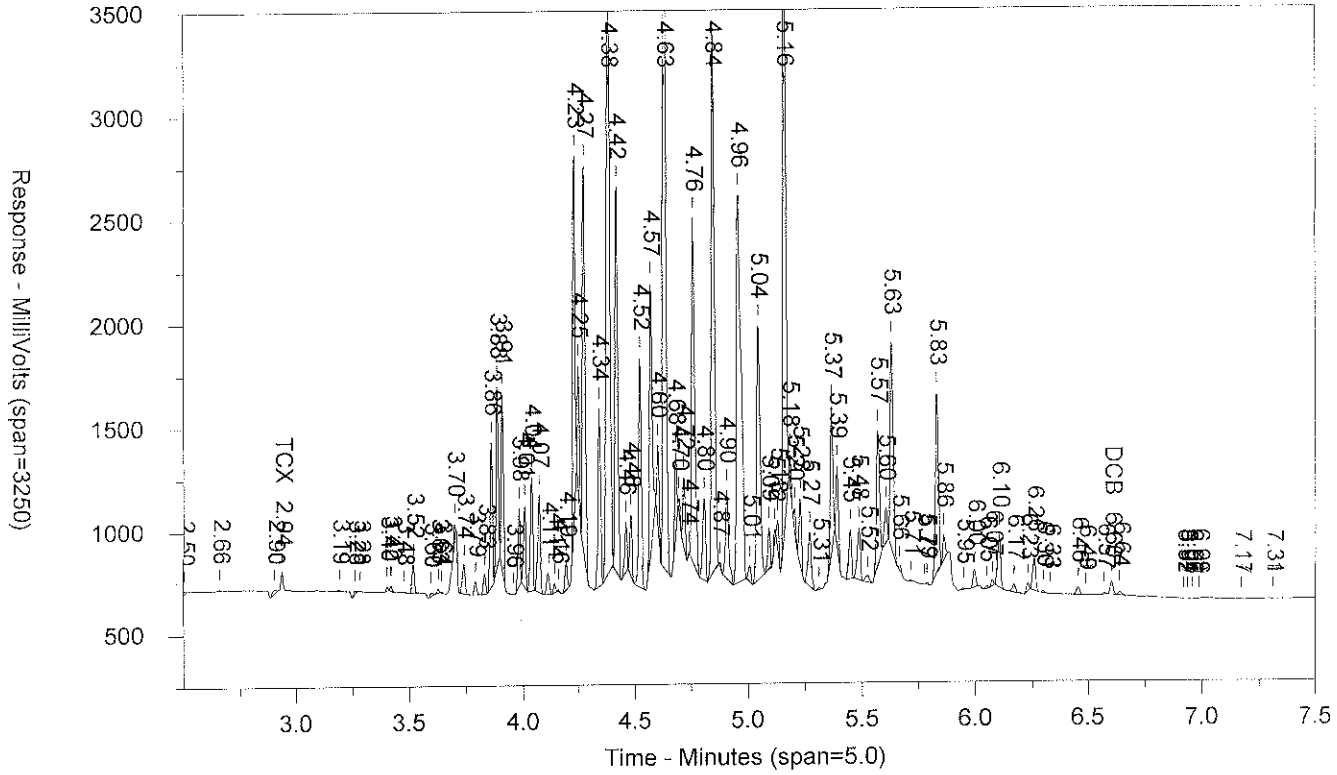


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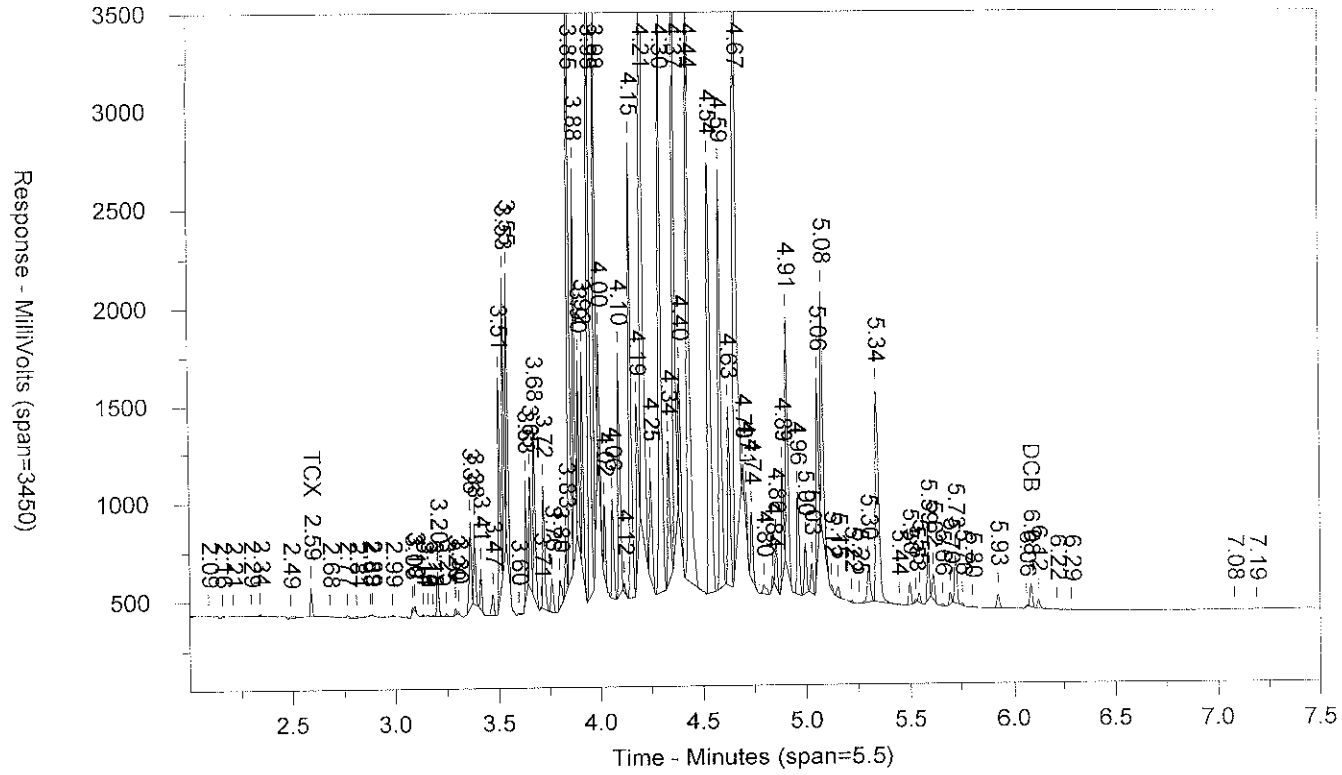

LANCASTER LABORATORIES

Sample Number: 9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:28:41 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 1000

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 91680 | 33.445 | TCX | 2.591 | 144141 | 34.772 | TCX |
| 6.603 | 62080 | 30.765 | DCB | 6.085 | 117890 | 31.142 | DCB |

Files:
Area File: 07PCBS17284001.0082.RAW
Area File: 07PCBS17284001B.0082.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 10:37:24 AM
File Reported On: 10/12/2017 at 10:37:34 AM

9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082

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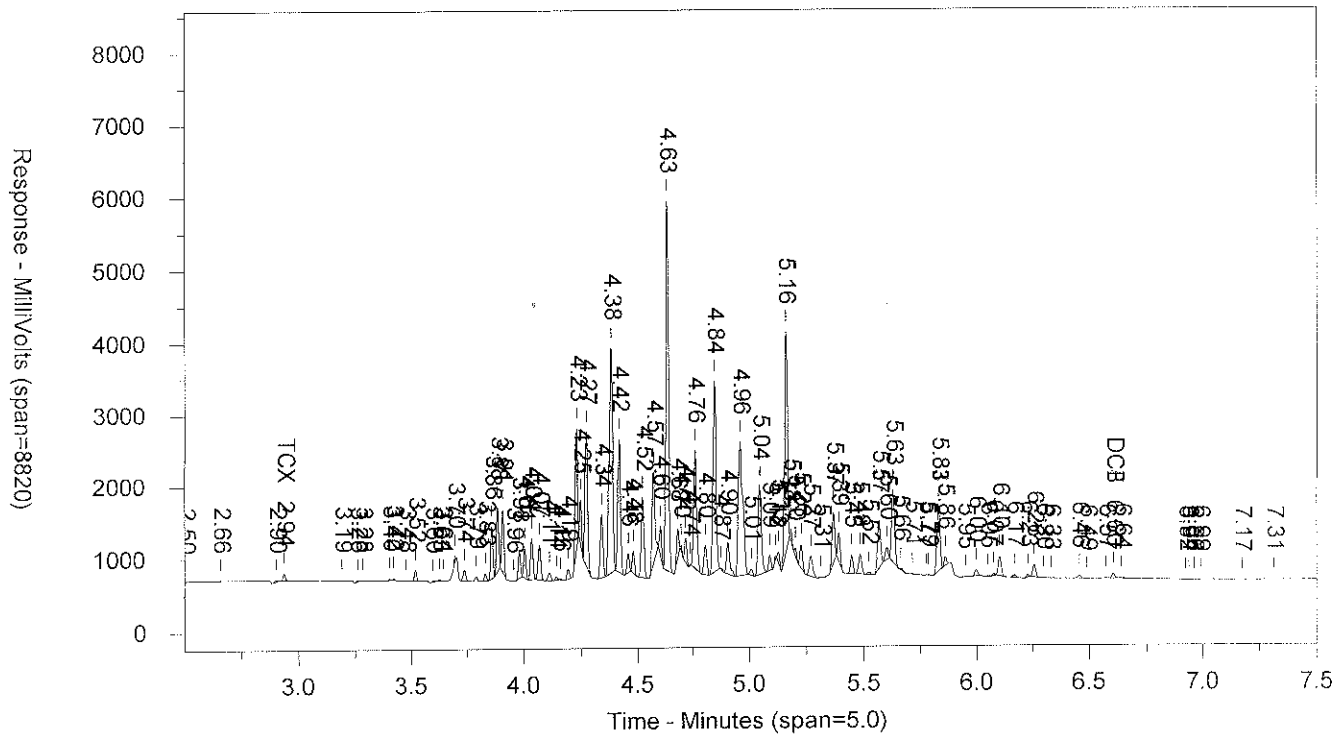


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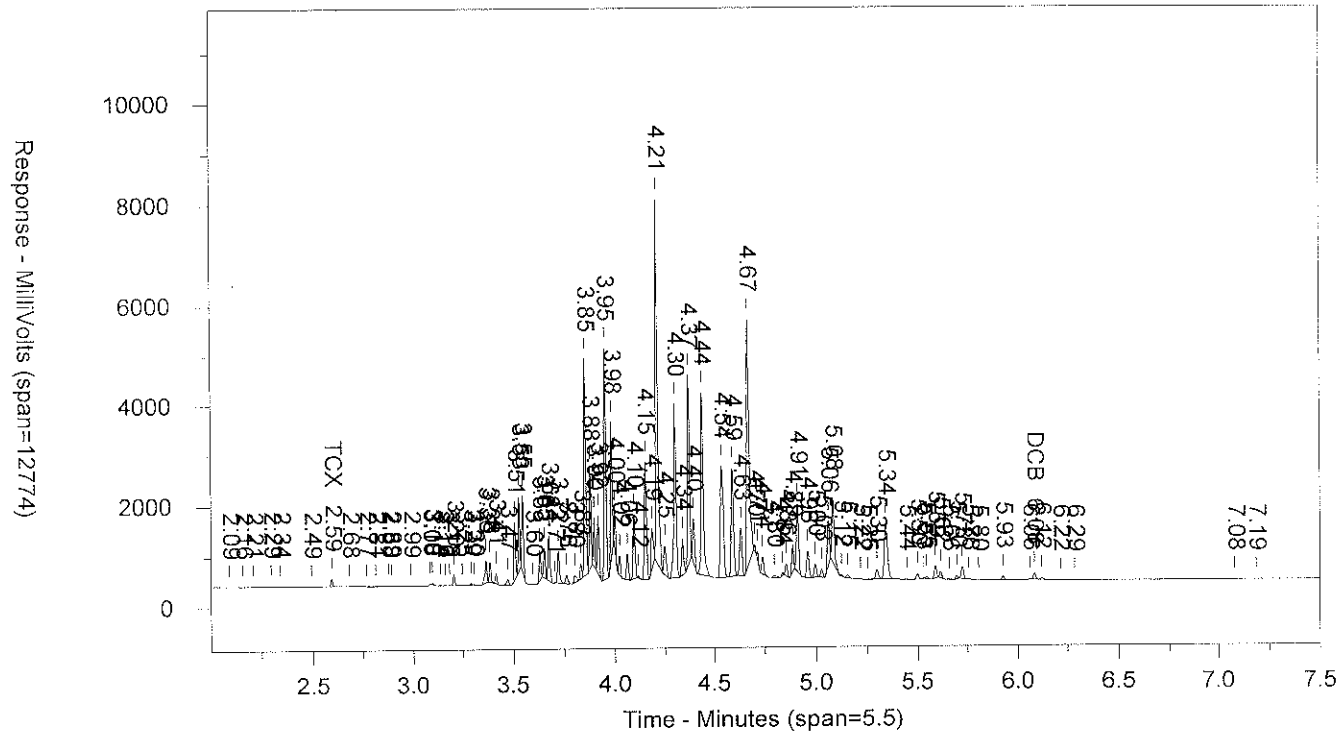

9229474 ACF DF100 AC99A05 T 172820027A 10225 SW-846 8082

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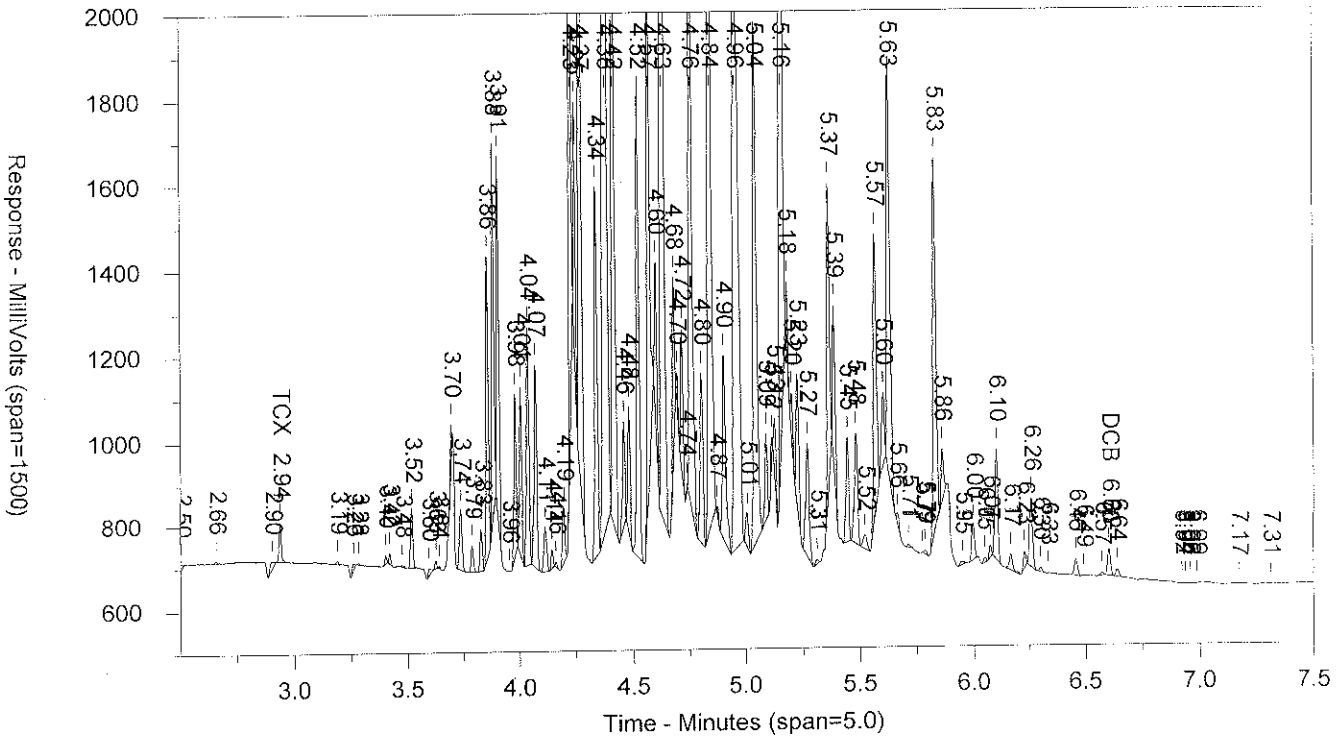


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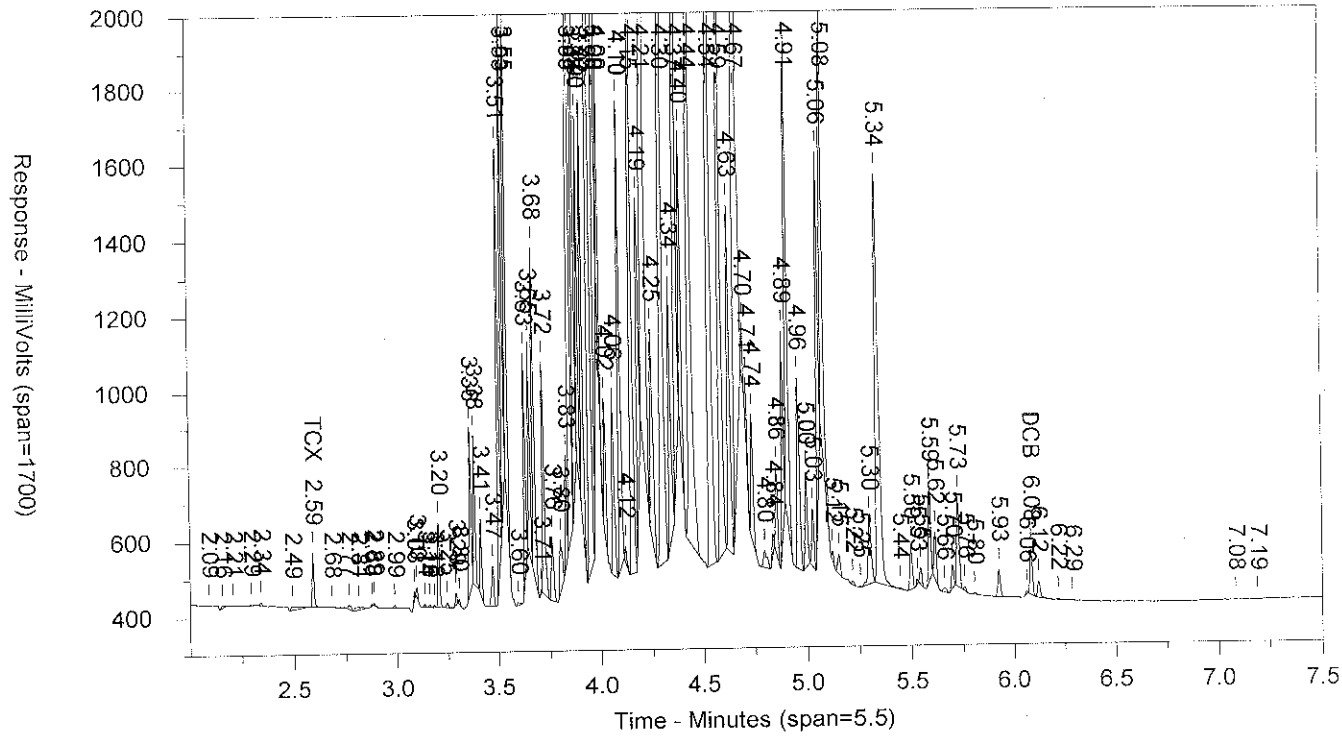

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229475** ACF DF50 99A06 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

**Injected on** Oct 12, 2017 10:40:09
**Instrument** 19843A
**Result file** 07PCBS17284001.0083.RAW
**Calibration file** 07PCBS1728401
**Method file** 07PCBS

%SSR(TCX) 110% ( 61 - 152 ) Conc: 32.87462
%SSR(DCB) 124% ( 48 - 164 ) Conc: 32.9105

## Analysis Report (B)

**Injected on** Oct 12, 2017 10:40:09
**Instrument** 19843B
**Result file** 07PCBS17284001B.0083.RAW
**Calibration file** 07PCBS1728401B
**Method file** 07PCBSB

%SSR(TCX) 114% ( 61 - 152 ) Conc: 34.08197
%SSR(DCB) 123% ( 48 - 164 ) Conc: 32.42388

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 184918 | 32.87462 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 136270 | 32.9105 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 289905 | 34.08197 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 251868 | 32.42388 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 34.08197 | | | | 3.61 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 32.87462 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 34.08197 | | | | | |
| ☐ | Decachlorobiphenyl | A | 32.9105 | | | | 1.49 | |
| ☑ | Decachlorobiphenyl-D1 | A | 32.9105 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 32.42388 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **38.87** | |
| 4.21 | 4.23 | 4.25 | 1930215 | 12110.491715 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1418347 | 26660.422888 | | | 2 |
| 4.61 | 4.63 | 4.65 | 9531012 | 27126.723299 | | | 4 |
| Height summation: | | | **12879574** | | | | |
| Concentration | | CF: | **21965.879301** | L: | | | |
| **Aroclor-1260** | | | | | | **7.77** | |
| 5.37 | 5.39 | 5.41 | 2193746 | 13557.849679 | | | 4 |
| 5.61 | 5.63 | 5.65 | 7250069 | 14383.880909 | | | 5 |
| 5.81 | 5.83 | 5.85 | 5405742 | 15797.05684 | | | 6 |
| Height summation: | | | **14849557** | | | | |
| Concentration | | CF: | **14579.595809** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **29.57** | |
| 4.19 | 4.21 | 4.23 | 13233850 | 28342.014348 | | | 1 |
| 4.28 | 4.30 | 4.32 | 9007298 | 39902.098971 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5816778 | 22336.436642 | | | 3 |
| Height summation: | | | **28057926** | | | | |
| Concentration | | CF: | **30193.516654** | L: | | | |
| **Aroclor-1260** | | | | | | **12.19** | |
| 4.87 | 4.89 | 4.91 | 3597269 | 13067.675152 | | | 4 |
| 5.06 | 5.08 | 5.10 | 10412360 | 16113.794813 | | | 5 |
| 5.32 | 5.34 | 5.36 | 6936772 | 16416.810965 | | | 6 |
| Height summation: | | | **20946401** | | | | |
| Concentration | | CF: | **15199.426977** | L: | | | |

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:31

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229475** ACF DF50 99A06 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:40:09 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0083.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 10:40:09 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0083.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2485.3802 | <482.4562 | D1 | | 4 | |
| ☑ PCB-1221 | | | <2485.3802 | <745.6141 | D1 | | 3 | |
| ☑ PCB-1232 | | | <2485.3802 | <599.4152 | D1 | | 4 | |
| ☑ PCB-1242 | | | <2485.3802 | <599.4152 | D1 | | 4 | |
| ☑ PCB-1248 | | | <2485.3802 | <482.4562 | D1 | | 4 | |
| ☑ PCB-1254 | A | 21965.879301 | 2485.3802 | 643.2749 | D1 | 31.55 | 4 | |
| ☑ PCB-1260 | B | 15199.426977 | 2485.3802 | 570.1755 | D2 | 4.16 | 4 | |

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:31

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229475** ACF DF50 99A06 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0083.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 110% (61-152) Conc.: 32.87462
%SSR(DCB) : 124% (48-164) Conc.: 32.9105

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 160.94 | |
| 3.17 | 3.19 | 3.21 | 5471.083 | 55.443615 | | | 1 |
| 3.38 | 3.41 | 3.42 | 9207.969 | 89.012148 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 5953.014 | 57.546953 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24772.6 | 199.371963 | | | 3 |
| 3.71 | 3.73 | 3.75 | 42545.23 | 281.783246 | | | 4 |
| 3.77 | 3.79 | 3.81 | 24453.64 | 183.982078 | | | 5 |
| 3.96 | 3.98 | 4.00 | 201910.7 | 1991.886107 | | | 6 |
| Height Summation: | | | **308361.222** | | | | |
| Amount Avg CF: | | | **466.913193** | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.17 | 3.19 | 3.21 | 5471.083 | 39.645257 | | | 3 |
| Height Summation: | | | **5471.083** | | | | |
| Amount Avg CF: | | | **39.645257** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 172.68 | |
| 3.17 | 3.19 | 3.21 | 5471.083 | 47.706961 | | | 1 |
| 3.38 | 3.41 | 3.42 | 9207.969 | 197.663418 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 5953.014 | 127.790732 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24772.6 | 437.886495 | | | 3 |
| 3.71 | 3.73 | 3.75 | 42545.23 | 621.125378 | | | 4 |
| 3.77 | 3.79 | 3.81 | 24453.64 | 436.640553 | | | 5 |
| 3.96 | 3.98 | 4.00 | 201910.7 | 5256.478221 | | | 6 |
| Height Summation: | | | **308361.222** | | | | |
| Amount Avg CF: | | | **1166.250171** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 161.66 | |
| 3.17 | 3.19 | 3.21 | 5471.083 | 39.834219 | | | 1 |
| 3.38 | 3.41 | 3.42 | 9207.969 | 66.277199 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 5953.014 | 42.848656 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24772.6 | 149.689548 | | | 3 |
| 3.71 | 3.73 | 3.75 | 42545.23 | 205.290022 | | | 4 |
| 3.77 | 3.79 | 3.81 | 24453.64 | 137.533221 | | | 5 |
| 3.96 | 3.98 | 4.00 | 201910.7 | 1491.218779 | | | 6 |
| Height Summation: | | | **308361.222** | | | | |
| Amount Avg CF: | | | **348.307165** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 124.56 | |
| 3.71 | 3.73 | 3.75 | 42545.23 | 632.188126 | | | 1 |
| 3.77 | 3.79 | 3.81 | 24453.64 | 332.095187 | | | 2 |
| 3.84 | 3.86 | 3.88 | 734057.1 | 5823.1212 | | | 3 |
| 3.96 | 3.98 | 4.00 | 201910.7 | 1427.798796 | | | 4 |
| 4.05 | 4.07 | 4.09 | 333706.2 | 2606.884773 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1930215 | 13567.24024 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 511160.2 | 3592.881226 | | | 6 |
| Height Summation: | | | **3266887.87** | | | | |
| Amount Avg CF: | | | **4064.888054** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0083.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 114% (61-152) Conc.: 34.08197
%SSR(DCB) : 123% (48-164) Conc.: 32.42388

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 128.60 | |
| 2.86 | 2.89 | 2.90 | 117155.7 | 815.583059 | | | 1 |
| 3.19 | 3.20 | 3.23 | 42539.57 | 236.066277 | | | 2 |
| 3.38 | 3.38 | 3.42 | 98946.09 | 533.54713 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 17580.13 | 94.797358 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 20118.07 | 108.482695 | | | 3 |
| 3.45 | 3.47 | 3.49 | 39656.96 | 201.607761 | | | 4 |
| 3.51 | 3.53 | 3.55 | 726787.8 | 4901.967869 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 385522.9 | 2600.237468 | | | 5 |
| 3.61 | 3.63 | 3.65 | 289476.6 | 1722.549809 | | | 6 |
| Height Summation: | | | **1314562.72** | | | | |
| Amount Avg CF: | | | **1401.886984** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 65.01 | |
| 2.74 | 2.76 | 2.78 | 31802.6 | 369.635355 | | | 1 |
| 2.80 | 2.81 | 2.84 | 6048.889 | 112.986509 | | | 2 |
| 2.86 | 2.89 | 2.90 | 117155.7 | 566.207327 | | | 3 |
| Height Summation: | | | **155007.189** | | | | |
| Amount Avg CF: | | | **349.609731** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 145.58 | |
| 2.86 | 2.89 | 2.90 | 117155.7 | 705.087471 | | | 1 |
| 3.19 | 3.20 | 3.23 | 42539.57 | 515.661105 | | | 2 |
| 3.38 | 3.38 | 3.42 | 98946.09 | 1190.157164 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 17580.13 | 211.459772 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 20118.07 | 241.986976 | | | 3 |
| 3.45 | 3.47 | 3.49 | 39656.96 | 471.854177 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 726787.8 | 12780.66906 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 385522.9 | 6779.47621 | | | 5 |
| 3.61 | 3.63 | 3.65 | 289476.6 | 4351.99791 | | | 6 |
| Height Summation: | | | **1314562.72** | | | | |
| Amount Avg CF: | | | **3335.904481** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 131.64 | |
| 2.86 | 2.89 | 2.90 | 117155.7 | 574.631967 | | | 1 |
| 3.19 | 3.20 | 3.23 | 42539.57 | 170.737285 | | | 2 |
| 3.38 | 3.38 | 3.42 | 98946.09 | 397.462389 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 17580.13 | 70.618662 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 20118.07 | 80.813463 | | | 3 |
| 3.45 | 3.47 | 3.49 | 39656.96 | 145.485836 | | | 4 |
| 3.51 | 3.53 | 3.55 | 726787.8 | 3768.523816 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 385522.9 | 1999.004703 | | | 5 |
| 3.61 | 3.63 | 3.65 | 289476.6 | 1288.024234 | | | 6 |
| Height Summation: | | | **1314562.72** | | | | |
| Amount Avg CF: | | | **1057.477588** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229475** ACF DF50 99A06 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0083.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 54.12 | |
| 4.21 | 4.23 | 4.25 | 1930215 | 12110.491715 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1418347 | 26660.422888 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1780712 | 10103.61715 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 62341.95 | 353.723227 | | | 3 |
| 4.61 | 4.63 | 4.65 | 9531012 | 27126.723299 | | | 4 |
| 5.02 | 5.05 | 5.06 | 3259348 | 26554.930076 | | | 5 |
| E 5.14 | 5.16 | 5.18 | 9426557 | 47860.806313 | | | 6 |
| Height Summation: | | | **27346191** | | | | |
| Amount Avg CF: | | | **25069.498573** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 35.60 | |
| 4.74 | 4.76 | 4.78 | 4817051 | 20249.516363 | | | 1 |
| 4.94 | 4.96 | 4.98 | 5613934 | 23340.475043 | | | 2 |
| 5.14 | 5.16 | 5.18 | 9426557 | 32234.391198 | | | 3 |
| 5.37 | 5.39 | 5.41 | 2193746 | 13557.849679 | | | 4 |
| 5.61 | 5.63 | 5.65 | 7250069 | 14383.880909 | | | 5 |
| 5.81 | 5.83 | 5.85 | 5405742 | 15797.05684 | | | 6 |
| Height Summation: | | | **34707099** | | | | |
| Amount Avg CF: | | | **19927.195005** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 38.83 | |
| 5.21 | 5.23 | 5.25 | 2259196 | 7334.202967 | | | 1 |
| E 5.37 | 5.39 | 5.41 | 2193746 | 9976.445549 | | | 2 |
| E 5.61 | 5.63 | 5.65 | 7250069 | 12389.110797 | | | 3 |
| E 5.81 | 5.83 | 5.85 | 5405742 | 11901.139967 | | | 4 |
| 5.87 | 5.88 | 5.91 | 767089.2 | 3352.143914 | | | 5 |
| 6.24 | 6.26 | 6.28 | 1702001 | 7449.491249 | | | 6 |
| Height Summation: | | | **19577843.2** | | | | |
| Amount Avg CF: | | | **8733.75574** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 97.07 | |
| 5.81 | 5.83 | 5.85 | 5405742 | 6146.018757 | | | 1 |
| 5.87 | 5.88 | 5.91 | 767089.2 | 989.674307 | | | 2 |
| 6.00 | 6.02 | 6.04 | 43893.15 | 64.006765 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 180689.5 | 1055.306021 | | | 4 |
| 6.06 | 6.10 | 6.10 | 1058603 | 6182.706352 | | | 4 |
| 6.23 | 6.26 | 6.27 | 1702001 | 6810.185439 | | | 5 |
| 6.43 | 6.46 | 6.47 | 306270.6 | 171.834009 | | | 6 |
| Height Summation: | | | **9283598.95** | | | | |
| Amount Avg CF: | | | **3394.070938** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0083.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 123.48 | |
| 3.38 | 3.38 | 3.42 | 98946.09 | 1310.631982 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 17580.13 | 232.864994 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 20118.07 | 266.482344 | | | 1 |
| 3.45 | 3.47 | 3.49 | 39656.96 | 354.615294 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1174473 | 6164.023807 | | | 3 |
| 3.61 | 3.63 | 3.65 | 289476.6 | 1278.601397 | | | 4 |
| + 3.70 | 3.71 | 3.74 | 23557.72 | 143.76115 | | | 5 |
| 3.70 | 3.72 | 3.74 | 431646.5 | 2634.12577 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4554048 | 14708.52221 | | | 6 |
| Height Summation: | | | **6588247.15** | | | | |
| Amount Avg CF: | | | **4408.420077** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 43.86 | |
| 4.19 | 4.21 | 4.23 | 13233850 | 28342.014348 | | | 1 |
| 4.28 | 4.30 | 4.32 | 9007298 | 39902.098971 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5816778 | 22336.436642 | | | 3 |
| E 4.42 | 4.44 | 4.46 | 11290450 | 61057.098518 | | | 4 |
| 4.57 | 4.59 | 4.61 | 3879140 | 19241.736567 | | | 5 |
| 4.65 | 4.67 | 4.69 | 14799720 | 44148.244136 | | | 6 |
| Height Summation: | | | **58027236** | | | | |
| Amount Avg CF: | | | **35837.938197** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 40.75 | |
| 4.42 | 4.44 | 4.46 | 11290450 | 26674.295816 | | | 1 |
| 4.52 | 4.54 | 4.56 | 6605552 | 20793.566533 | | | 2 |
| 4.65 | 4.67 | 4.69 | 14799720 | 36873.072544 | | | 3 |
| 4.87 | 4.89 | 4.91 | 3597269 | 13067.675152 | | | 4 |
| 5.06 | 5.08 | 5.10 | 10412360 | 16113.794813 | | | 5 |
| 5.32 | 5.34 | 5.36 | 6936772 | 16416.810965 | | | 6 |
| Height Summation: | | | **53642123** | | | | |
| Amount Avg CF: | | | **21656.53597** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 39.66 | |
| 4.68 | 4.70 | 4.72 | 2333772 | 5356.014432 | | | 1 |
| 4.87 | 4.89 | 4.91 | 3597269 | 8422.255095 | | | 2 |
| E 5.06 | 5.08 | 5.10 | 10412360 | 12206.5355 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1588682 | 4574.128102 | | | 4 |
| E 5.33 | 5.34 | 5.36 | 6936772 | 12324.992515 | | | 5 |
| 5.71 | 5.73 | 5.74 | 2412834 | 7296.695449 | | | 6 |
| Height Summation: | | | **27281689** | | | | |
| Amount Avg CF: | | | **8363.436849** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.48 | |
| 5.28 | 5.30 | 5.32 | 1588682 | 1600.811263 | | | 1 |
| 5.33 | 5.34 | 5.36 | 6936772 | 7417.365647 | | | 2 |
| 5.48 | 5.50 | 5.52 | 276309.1 | 313.133135 | | | 3 |
| 5.55 | 5.57 | 5.59 | 23077.84 | 100.74707 | | | 4 |
| 5.70 | 5.73 | 5.74 | 2412834 | 6528.434066 | | | 5 |
| 5.90 | 5.93 | 5.94 | 508876.7 | 175.605055 | | | 6 |
| Height Summation: | | | **11746551.64** | | | | |
| Amount Avg CF: | | | **2689.349373** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229475** ACF DF50 99A06 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0083.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 10:40:09
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0083.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2485.38 | 482.4561 | | ** 100.06 | 4 | 40 | |
| Aroclor-1221 | | | 2485.38 | 745.614 | | ** 159.26 | 3 | 40 | |
| Aroclor-1232 | | | 2485.38 | 599.4152 | | ** 96.38 | 4 | 40 | |
| Aroclor-1242 | | | 2485.38 | 599.4152 | | ** 100.89 | 4 | 40 | |
| Aroclor-1248 | | | 2485.38 | 482.4561 | | 8.11 | 4 | 40 | |
| Aroclor-1254 | | | 2485.38 | 643.2748 | E | 35.36 | 4 | 40 | |
| Aroclor-1260 | | | 2485.38 | 570.1754 | | 8.32 | 4 | 40 | |
| Aroclor-1262 | | | 2485.38 | 482.4561 | E | 4.33 | 4 | 40 | |
| Aroclor-1268 | | | 2485.38 | 482.4561 | | 23.17 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:40:09 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0083.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.583 | | 49569 | 51794 |
| 1.688 | | 31731 | 26459 |
| 2.006 | | 29015 | 44341 |
| 2.053 | | 34287 | 65683 |
| 2.21 | | 66946 | 45662 |
| 2.288 | | 2666 | 1149 |
| 2.335 | | 6710 | 4524 |
| 2.367 | | 1734 | 719 |
| 2.498 | | 9999 | 12820 |
| 2.642 | | 7130 | 3555 |
| 2.659 | | 40194 | 24135 |
| 2.912 | | 7387 | 26042 |
| 2.937 | TCX | 184918 | 130294 |
| 3.045 | | 16016 | 9888 |
| 3.188 | | 5471 | 3936 |
| 3.238 | | 26995 | 14806 |
| 3.257 | | 74704 | 50609 |
| 3.406 | | 9208 | 5881 |
| 3.421 | | 5953 | 4481 |
| 3.475 | | 8559 | 7103 |
| 3.52 | | 24773 | 16595 |
| 3.598 | | 19945 | 14601 |
| 3.625 | | 7240 | 3996 |
| 3.697 | | 14374 | 7973 |
| 3.734 | | 42545 | 41276 |
| 3.79 | | 24454 | 17593 |
| 3.828 | | 20663 | 14978 |
| 3.859 | | 734057 | 525344 |
| 3.885 | | 422988 | 291427 |
| 3.907 | | 168394 | 104732 |
| 3.948 | | 1302 | 339 |
| 3.981 | | 201911 | 141637 |
| 4.006 | | 117734 | 80202 |
| 4.037 | | 423897 | 318761 |
| 4.07 | | 333706 | 294198 |
| 4.115 | | 35014 | 29630 |
| 4.143 | | 55323 | 37009 |
| 4.161 | | 14329 | 7539 |
| 4.194 | | 113733 | 84075 |
| 4.23 | | 1930215 | 1324112 |
| 4.249 | | 511160 | 275314 |
| 4.273 | | 1528314 | 1322594 |
| 4.341 | | 1418347 | 1153932 |
| 4.384 | | 4618841 | 4554855 |
| 4.418 | | 2387919 | 1971653 |
| 4.458 | | 355084 | 249590 |
| 4.48 | | 356855 | 256614 |
| 4.522 | | 1394366 | 1247832 |
| 4.573 | | 1780712 | 1345193 |
| 4.589 | | 62342 | 19378 |
| 4.603 | | 679638 | 422056 |
| 4.634 | | 9531012 | 7936666 |
| 4.682 | | 1156390 | 879260 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.696 | | 168423 | 89140 |
| 4.718 | | 566736 | 366867 |
| 4.758 | | 4817051 | 4486534 |
| 4.805 | | 609799 | 543591 |
| 4.846 | | 4711434 | 4361085 |
| 4.876 | | 60817 | 37457 |
| 4.905 | | 1124094 | 1056782 |
| 4.958 | | 5613935 | 7235105 |
| 5.008 | | 498034 | 437041 |
| 5.046 | | 3259349 | 3250529 |
| 5.091 | | 387756 | 291515 |
| 5.115 | | 122084 | 79911 |
| 5.127 | | 361959 | 245892 |
| 5.162 | | 9426557 | 8289170 |
| 5.184 | | 482740 | 250820 |
| 5.203 | | 245144 | 119555 |
| 5.228 | | 2259196 | 1914847 |
| 5.271 | | 1541480 | 1509327 |
| 5.307 | | 10432 | 8887 |
| 5.367 | | 1730001 | 1369163 |
| 5.39 | | 2193747 | 1736305 |
| 5.446 | | 1357944 | 1188536 |
| 5.485 | | 901896 | 871351 |
| 5.51 | | 22757 | 9898 |
| 5.525 | | 62446 | 65365 |
| 5.568 | | 1604315 | 1629908 |
| 5.6 | | 255263 | 188409 |
| 5.627 | | 7250069 | 7109855 |
| 5.713 | | 62507 | 51515 |
| 5.746 | | 16024 | 8948 |
| 5.77 | | 16692 | 12542 |
| 5.831 | | 5405743 | 4950526 |
| 5.862 | | 448766 | 299273 |
| 5.885 | | 767089 | 872518 |
| 5.953 | | 10950 | 12659 |
| 5.998 | | 164525 | 139653 |
| 6.022 | | 43893 | 31771 |
| 6.051 | | 16553 | 10032 |
| 6.073 | | 180690 | 127794 |
| 6.1 | | 1058603 | 944235 |
| 6.138 | | 16306 | 11102 |
| 6.166 | | 50616 | 41823 |
| 6.196 | | 5018 | 2808 |
| 6.228 | | 54973 | 36831 |
| 6.256 | | 1702001 | 1616531 |
| 6.3 | | 104258 | 95436 |
| 6.456 | | 306271 | 311876 |
| 6.569 | | 14799 | 13357 |
| 6.603 | DCB | 136270 | 132478 |
| 6.638 | | 30906 | 27296 |
| 6.762 | | 3822 | 3790 |
| 6.835 | | 1829 | 768 |
| 6.877 | | 1903 | 578 |
| 6.932 | | 2066 | 831 |
| 7 | | 1447 | 1190 |
| 7.121 | | 1209 | 580 |
| 7.27 | | 1306 | 575 |
| 7.35 | | 832 | 586 |
| 7.451 | | 1449 | 434 |
| 7.531 | | 2330 | 2566 |
| 7.792 | | 1643 | 325 |
| 7.819 | | 1216 | 396 |
| 7.903 | | 1932 | 439 |
| 7.949 | | 3293 | 2550 |
| 8.117 | | 868 | 415 |
| 8.144 | | 1637 | 422 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.153 | | 1294 | 592 |
| 8.222 | | 1751 | 727 |
| 8.259 | | 2103 | 557 |
| 8.351 | | 1594 | 533 |
| 8.547 | | 1730 | 1069 |

LANCASTER LABORATORIES

Sample Number: 9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:40:09 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0083.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.597 | | 1489 | 879 |
| 1.723 | | 2835 | 1663 |
| 1.771 | | 20080 | 18564 |
| 1.795 | | 6553 | 4343 |
| 1.85 | | 4405 | 5010 |
| 1.899 | | 12266 | 8892 |
| 1.932 | | 103626 | 76326 |
| 1.964 | | 9117 | 23756 |
| 2.09 | | 2914 | 2166 |
| 2.133 | | 9021 | 5114 |
| 2.159 | | 10432 | 16789 |
| 2.205 | | 3167 | 4596 |
| 2.287 | | 4287 | 1809 |
| 2.34 | | 65600 | 43532 |
| 2.491 | | 8917 | 13486 |
| 2.591 | TCX | 289905 | 185620 |
| 2.763 | | 31803 | 25807 |
| 2.809 | | 6049 | 8848 |
| 2.889 | | 117156 | 102929 |
| 2.987 | | 2139 | 1853 |
| 3.086 | | 11730 | 7502 |
| 3.135 | | 2127 | 1153 |
| 3.159 | | 9424 | 6974 |
| 3.182 | | 4923 | 2510 |
| 3.205 | | 42540 | 31808 |
| 3.245 | | 22213 | 17024 |
| 3.29 | | 10258 | 5853 |
| 3.306 | | 10592 | 9751 |
| 3.364 | | 105304 | 88795 |
| 3.383 | | 98946 | 50241 |
| 3.399 | | 17580 | 7734 |
| 3.413 | | 20118 | 9182 |
| 3.472 | | 39657 | 42208 |
| 3.507 | | 1174473 | 718300 |
| 3.53 | | 726788 | 398913 |
| 3.548 | | 385523 | 205639 |
| 3.601 | | 5670 | 7074 |
| 3.633 | | 289477 | 154403 |
| 3.654 | | 146996 | 87241 |
| 3.676 | | 650617 | 424106 |
| 3.705 | | 23558 | 10124 |
| 3.721 | | 431647 | 279231 |
| 3.759 | | 123012 | 101724 |
| 3.802 | | 161654 | 118426 |
| 3.832 | | 96497 | 53397 |
| 3.854 | | 4554048 | 2975802 |
| 3.879 | | 1507005 | 829854 |
| 3.898 | | 985641 | 527615 |
| 3.917 | | 1973440 | 1192497 |
| 3.953 | | 7251886 | 4749013 |
| 3.983 | | 3372313 | 2060080 |
| 4 | | 539914 | 252724 |
| 4.023 | | 538948 | 338204 |
| 4.062 | | 619150 | 452070 |

| | | | |
|---|---|---|---|
| 4.096 | | 1580581 | 1130291 |
| 4.116 | | 85209 | 55830 |
| 4.152 | | 3667142 | 2588323 |
| 4.185 | | 1327218 | 1151749 |
| 4.212 | | 13233850 | 10335510 |
| 4.25 | | 1412734 | 1302758 |
| 4.303 | | 9007298 | 6806572 |
| 4.34 | | 1060590 | 816971 |
| 4.373 | | 5816779 | 3985663 |
| 4.397 | | 2346818 | 1583996 |
| 4.44 | | 11290450 | 8571335 |
| 4.489 | | 42146 | 37602 |
| 4.539 | | 6605553 | 7214742 |
| 4.59 | | 3879141 | 3121813 |
| 4.63 | | 2760306 | 2268653 |
| 4.669 | | 14799720 | 11817820 |
| 4.7 | | 2333773 | 1632158 |
| 4.738 | | 2263594 | 1695404 |
| 4.795 | | 90749 | 54140 |
| 4.809 | | 38806 | 20193 |
| 4.837 | | 486942 | 301588 |
| 4.854 | | 488607 | 320056 |
| 4.888 | | 3597269 | 2684380 |
| 4.911 | | 3016516 | 2125795 |
| 4.962 | | 2407374 | 2128757 |
| 4.997 | | 1235102 | 955747 |
| 5.028 | | 885418 | 692339 |
| 5.06 | | 1688247 | 1122355 |
| 5.083 | | 10412360 | 8194223 |
| 5.124 | | 197319 | 131466 |
| 5.154 | | 290873 | 243451 |
| 5.199 | | 11436 | 6235 |
| 5.219 | | 72539 | 55420 |
| 5.253 | | 48063 | 35447 |
| 5.275 | | 57689 | 31769 |
| 5.297 | | 1588682 | 1348484 |
| 5.342 | | 6936773 | 7526836 |
| 5.439 | | 9018 | 9082 |
| 5.497 | | 276309 | 224937 |
| 5.527 | | 14498 | 9046 |
| 5.545 | | 255086 | 183712 |
| 5.566 | | 23078 | 10472 |
| 5.59 | | 403989 | 288406 |
| 5.616 | | 1029308 | 824858 |
| 5.656 | | 34150 | 36360 |
| 5.698 | | 85113 | 61228 |
| 5.725 | | 2412834 | 2039325 |
| 5.757 | | 128873 | 91191 |
| 5.803 | | 21920 | 16579 |
| 5.869 | | 5914 | 5864 |
| 5.925 | | 508877 | 443638 |
| 5.973 | | 13658 | 10837 |
| 6.063 | | 10752 | 7508 |
| 6.084 | DCB | 251868 | 202537 |
| 6.121 | | 77243 | 72469 |
| 6.212 | | 7029 | 5703 |
| 6.258 | | 10009 | 7049 |
| 6.284 | | 17064 | 14966 |
| 6.321 | | 4329 | 3971 |
| 6.449 | | 7276 | 7399 |
| 6.564 | | 3969 | 4646 |
| 6.931 | | 1714 | 1004 |
| 7.516 | | 15312 | 22855 |
| 8.018 | | 1275 | 1586 |
| 8.058 | | 9083 | 16880 |
| 8.167 | | 9418 | 17827 |
| 8.328 | | 1209 | 2469 |

| | | |
|---|---|---|
| 8.369 | 17009 | 31481 |

9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082

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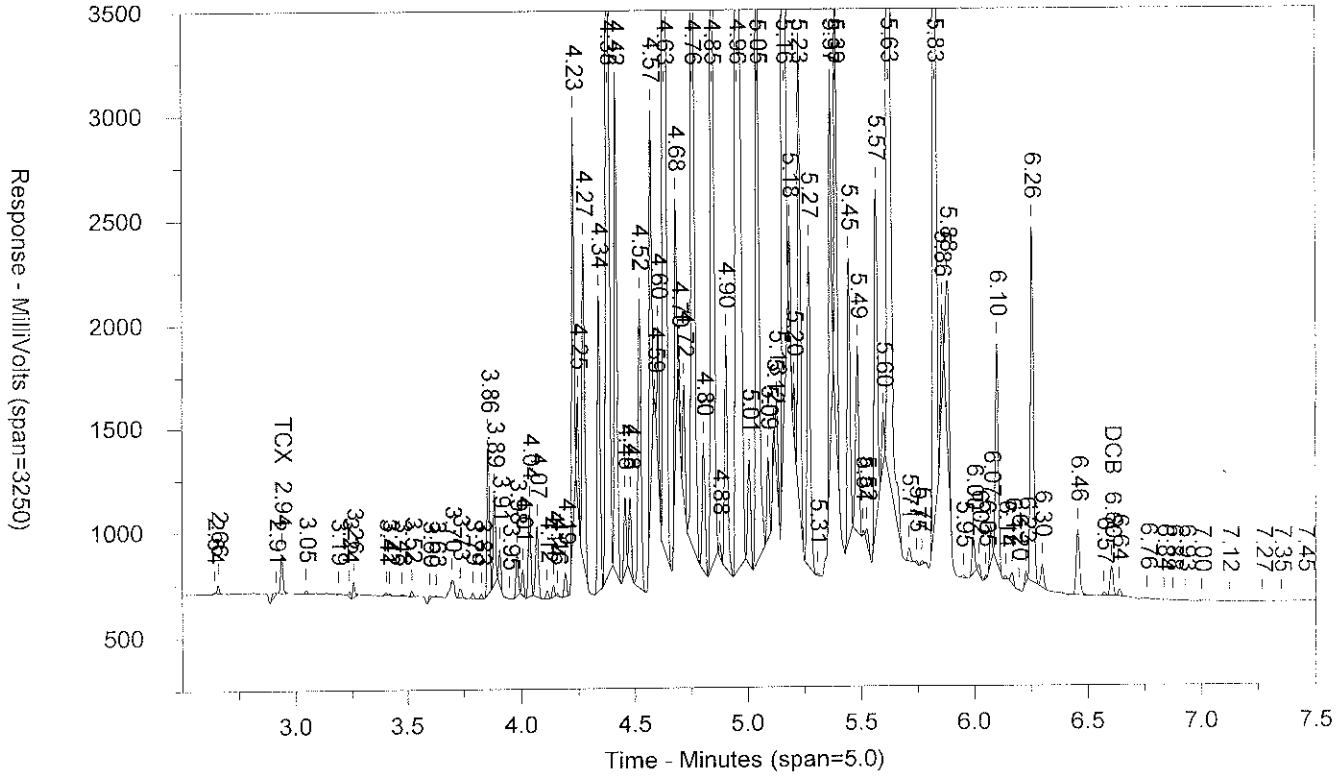


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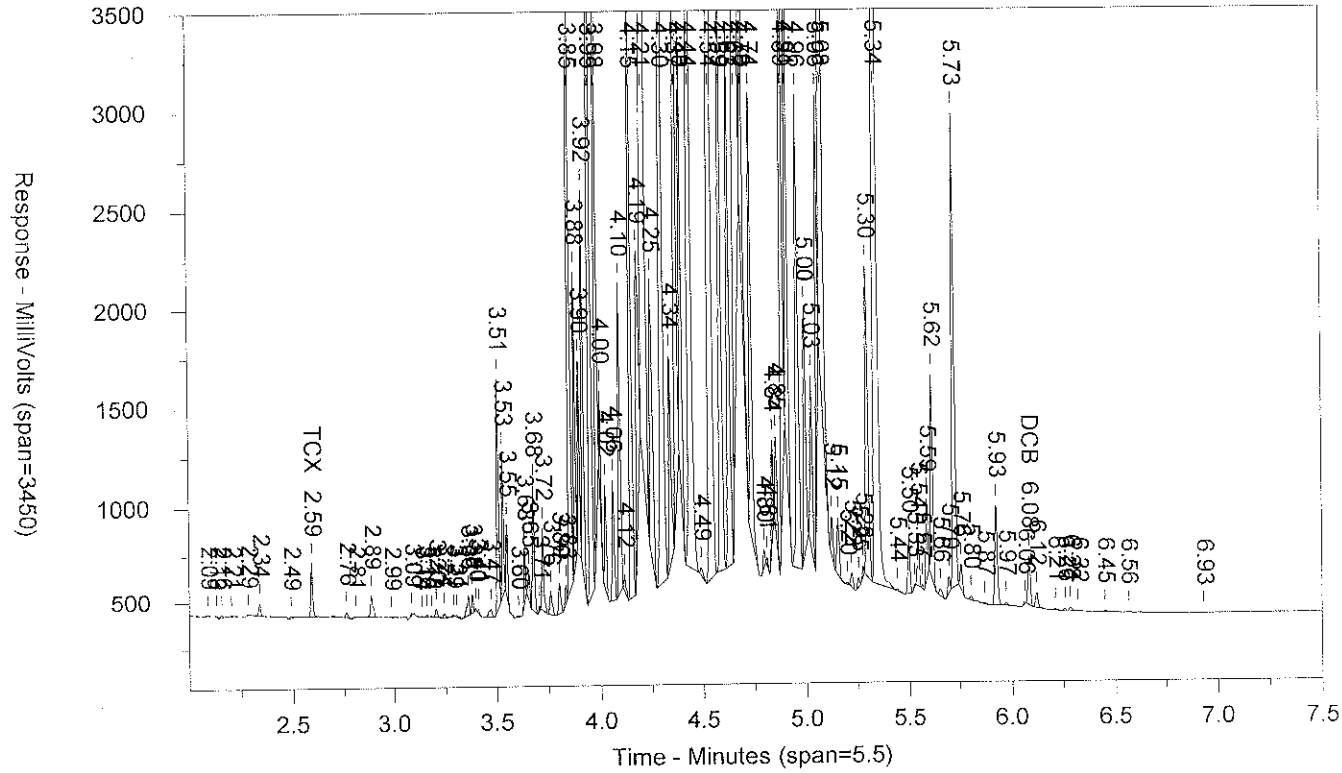


LANCASTER LABORATORIES

Sample Number: 9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 10:40:09 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.26
Dilution Factor: 500

Threshold: 8
Calibration Type: external
Quantitation: Height

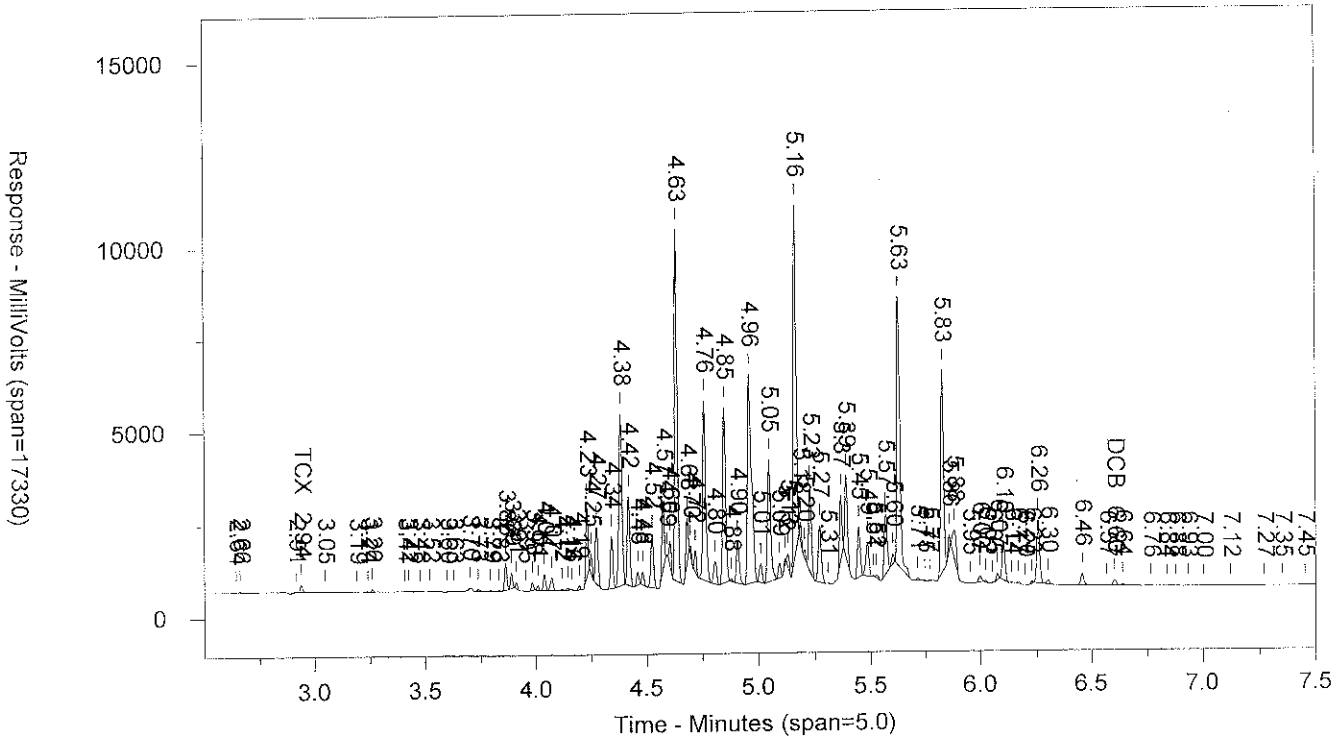
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 184918 | 32.875 | TCX | 2.591 | 289905 | 34.082 | TCX |
| 6.603 | 136270 | 32.911 | DCB | 6.084 | 251868 | 32.424 | DCB |

Files:
Area File: 07PCBS17284001.0083.RAW
Area File: 07PCBS17284001B.0083.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 10:48:51 AM
File Reported On: 10/12/2017 at 10:49:02 AM

9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0083.RAW

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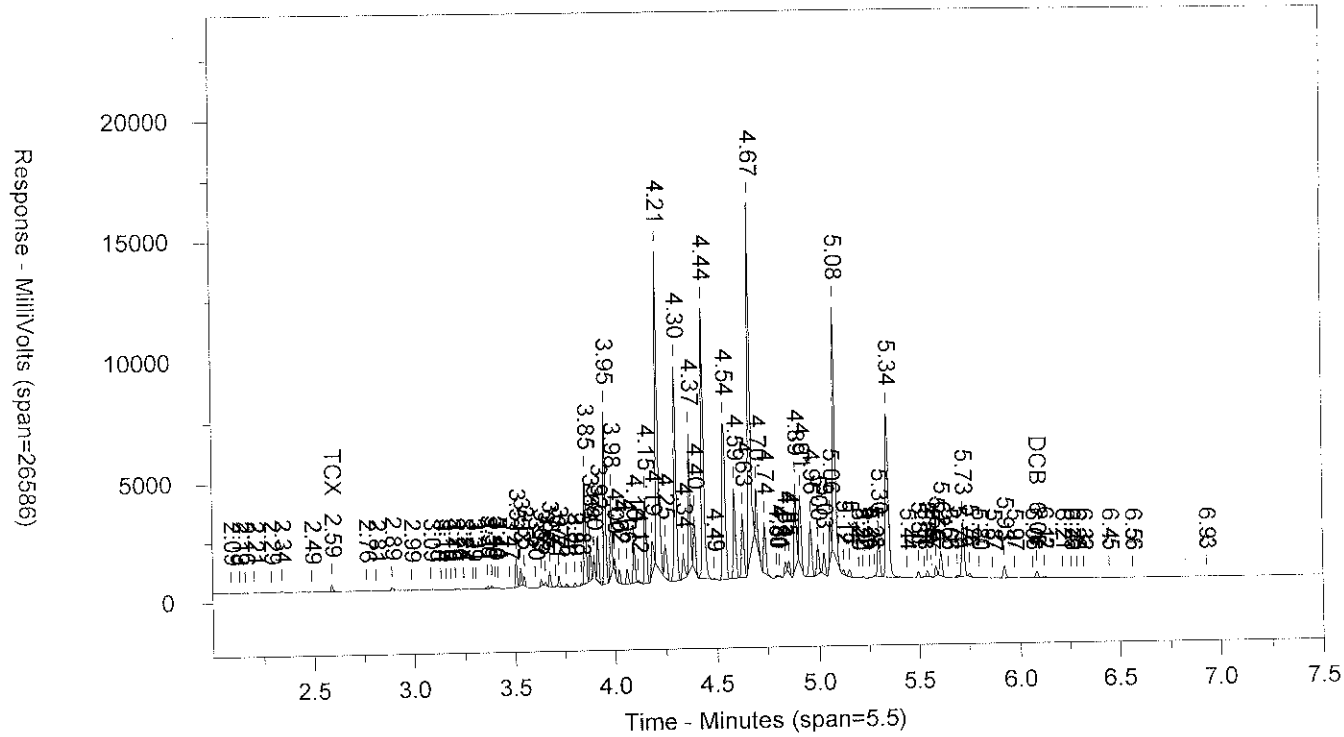

9229475 ACF DF50 AC99A06 T 172820027A 10225 SW-846 8082

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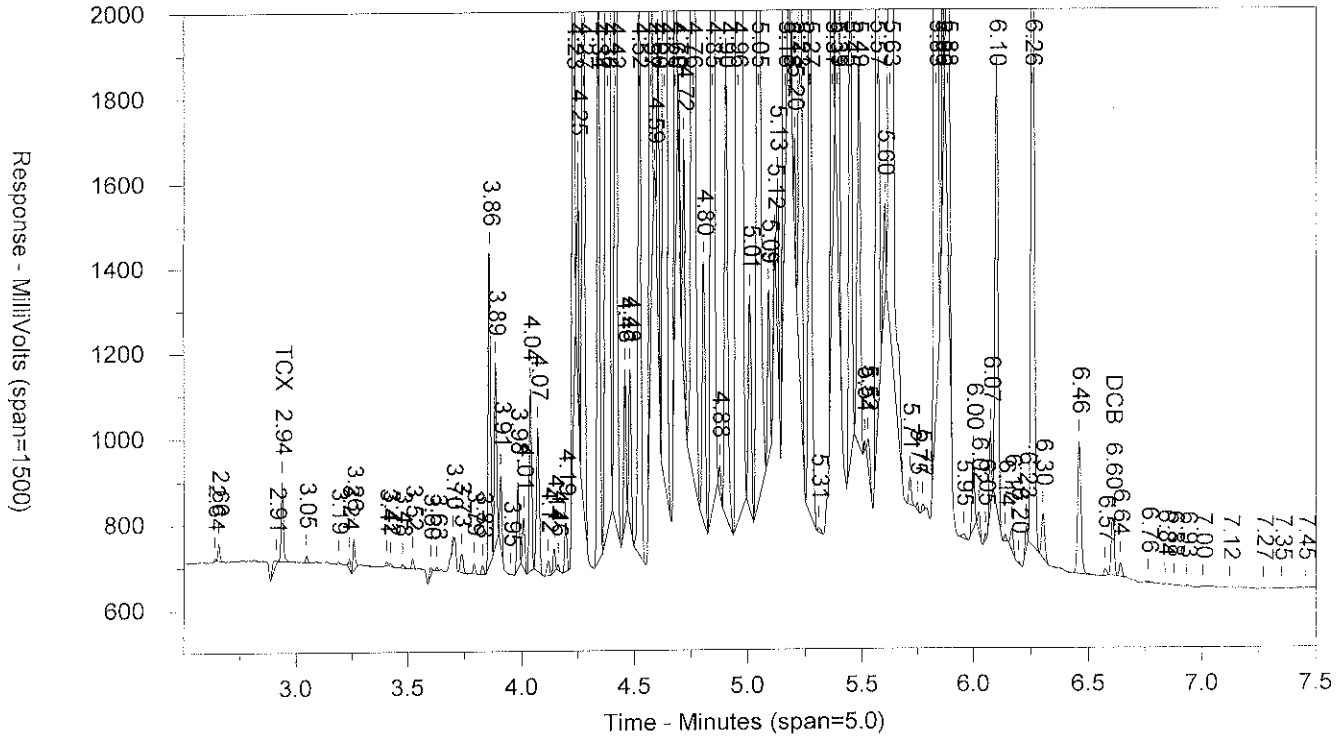


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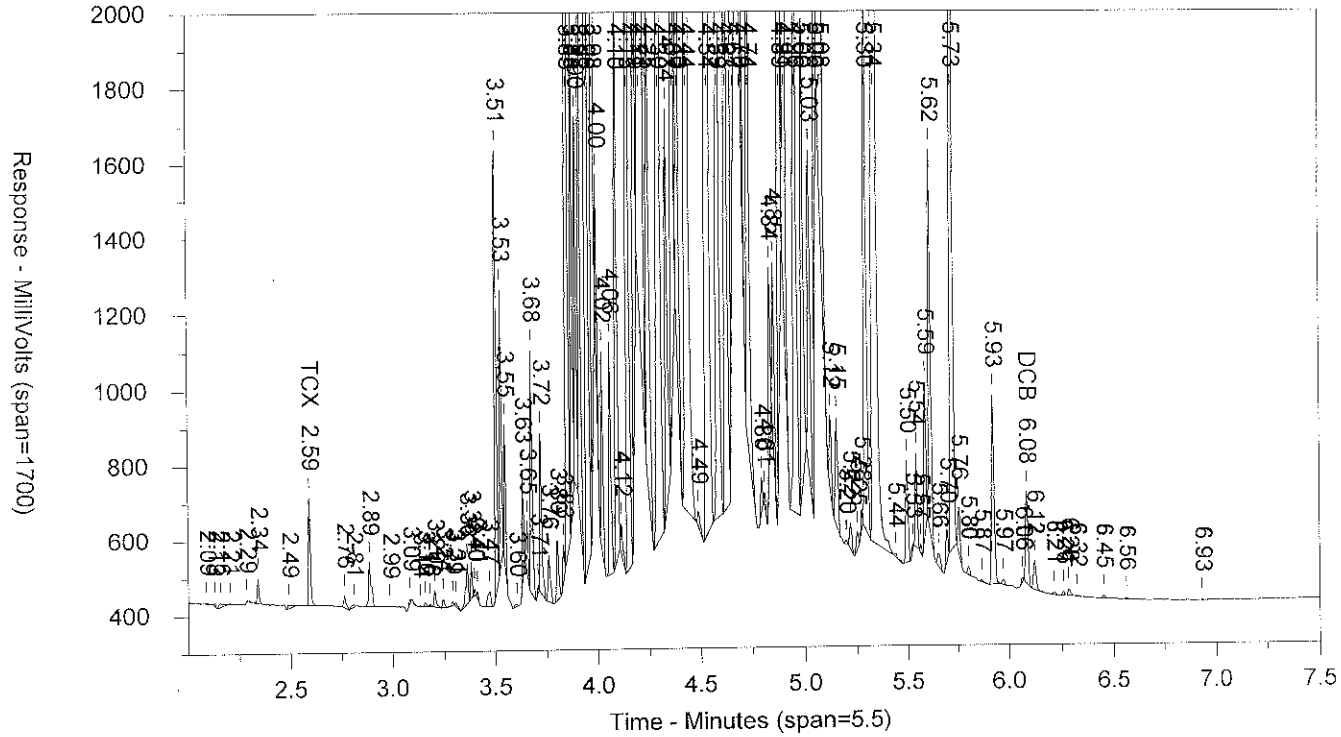


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229476** ACF DF100 99A07 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.19 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 11:03:05 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0085.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 74% ( 61 - 152 ) Conc: 22.12576
%SSR(DCB) 97% ( 48 - 164 ) Conc: 25.79609

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 11:03:05 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0085.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 81% ( 61 - 152 ) Conc: 24.18891
%SSR(DCB) 77% ( 48 - 164 ) Conc: 20.60963

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 61804 | 22.12576 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 102175 | 24.18891 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 53041 | 25.79609 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 79501 | 20.60963 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 24.18891 | | | | 8.91 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 22.12576 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 24.18891 | | | | | |
| ☐ | Decachlorobiphenyl | A | 25.79609 | | | | 22.35 | |
| ☑ | Decachlorobiphenyl-D1 | A | 25.79609 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 20.60963 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **21.57** | |
| 4.21 | 4.23 | 4.25 | 3571128 | 45119.541729 | | | 1 |
| 4.32 | 4.34 | 4.36 | 993785.3 | 37616.66421 | | | 2 |
| 4.55 | 4.57 | 4.59 | 3002115 | 34301.545876 | | | 3 |
| 4.61 | 4.63 | 4.65 | 9261168 | 53079.552899 | | | 4 |
| 5.02 | 5.04 | 5.06 | 2931413 | 48094.411134 | | | 5 |
| 5.14 | 5.16 | 5.18 | 6033960 | 61692.520242 | | | 6 |

Height summation: **25793569.3**
Concentration CF: **46650.706015** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **9.69** | |
| 4.19 | 4.21 | 4.23 | 12803350 | 55216.807855 | | | 1 |
| 4.28 | 4.30 | 4.32 | 6291644 | 56126.572728 | | | 2 |
| 4.35 | 4.37 | 4.39 | 6810310 | 52662.497956 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5764772 | 62778.396467 | | | 4 |
| 4.57 | 4.59 | 4.61 | 4695549 | 46902.755741 | | | 5 |
| 4.65 | 4.67 | 4.69 | 9727091 | 58431.372532 | | | 6 |

Height summation: **46092716**
Concentration CF: **55353.067213** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <5004.9068 | <971.5407 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <5004.9068 | <1501.472 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <5004.9068 | <1207.0658 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <5004.9068 | <1207.0658 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <5004.9068 | <971.5407 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 46650.706015 | 5004.9068 | 1295.3876 | D1 | 17.06 | 4 | |
| ☑ | PCB-1260 | | | <5004.9068 | <1148.1845 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:33

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229476** ACF DF100 99A07 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.19 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0085.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 74% (61-152) Conc.: 22.12576
%SSR(DCB) : 97% (48-164) Conc.: 25.79609

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 113.73 | |
| 3.17 | 3.19 | 3.21 | 9518.991 | 194.255054 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 13843.18 | 269.478717 | | | 2 |
| 3.38 | 3.42 | 3.42 | 14099.65 | 274.471298 | | | 2 |
| 3.50 | 3.52 | 3.54 | 78406.59 | 1270.715224 | | | 3 |
| 3.71 | 3.74 | 3.75 | 84548.4 | 1127.646192 | | | 4 |
| 3.77 | 3.79 | 3.81 | 79127.54 | 1198.844465 | | | 5 |
| 3.96 | 3.98 | 4.00 | 237872.3 | 4725.548362 | | | 6 |
| Height Summation: | | | **503573.471** | | | | |
| Amount Avg CF: | | | **1465.246766** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 56.20 | |
| 3.07 | 3.10 | 3.11 | 7358.894 | 291.41002 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 8096.902 | 365.747333 | | | 2 |
| 3.12 | 3.15 | 3.16 | 10603.01 | 478.951409 | | | 2 |
| 3.17 | 3.19 | 3.21 | 9518.991 | 138.903126 | | | 3 |
| Height Summation: | | | **27480.895** | | | | |
| Amount Avg CF: | | | **303.088185** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 126.74 | |
| 3.17 | 3.19 | 3.21 | 9518.991 | 167.148519 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 13843.18 | 598.41365 | | | 2 |
| 3.38 | 3.42 | 3.42 | 14099.65 | 609.500348 | | | 2 |
| 3.50 | 3.52 | 3.54 | 78406.59 | 2790.90915 | | | 3 |
| 3.71 | 3.74 | 3.75 | 84548.4 | 2485.632761 | | | 4 |
| 3.77 | 3.79 | 3.81 | 79127.54 | 2845.190767 | | | 5 |
| 3.96 | 3.98 | 4.00 | 237872.3 | 12470.46303 | | | 6 |
| Height Summation: | | | **503573.471** | | | | |
| Amount Avg CF: | | | **3561.474096** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 114.41 | |
| 3.17 | 3.19 | 3.21 | 9518.991 | 139.565183 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 13843.18 | 200.650079 | | | 2 |
| 3.38 | 3.42 | 3.42 | 14099.65 | 204.367486 | | | 2 |
| 3.50 | 3.52 | 3.54 | 78406.59 | 954.059864 | | | 3 |
| 3.71 | 3.74 | 3.75 | 84548.4 | 821.533979 | | | 4 |
| 3.77 | 3.79 | 3.81 | 79127.54 | 896.17936 | | | 5 |
| 3.96 | 3.98 | 4.00 | 237872.3 | 3537.765757 | | | 6 |
| Height Summation: | | | **503573.471** | | | | |
| Amount Avg CF: | | | **1092.245271** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 142.46 | |
| 3.71 | 3.74 | 3.75 | 84548.4 | 2529.903901 | | | 1 |
| 3.77 | 3.79 | 3.81 | 79127.54 | 2163.963361 | | | 2 |
| 3.84 | 3.86 | 3.88 | 607048.6 | 9697.33994 | | | 3 |
| 3.96 | 3.98 | 4.00 | 237872.3 | 3387.30826 | | | 4 |
| 4.05 | 4.07 | 4.09 | 661015.4 | 10398.538635 | | | 5 |
| 4.23 | 4.23 | 4.27 | 3571128 | 50546.887492 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 1036547 | 14671.617648 | | | 6 |
| Height Summation: | | | **5240740.24** | | | | |
| Amount Avg CF: | | | **13120.656932** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0085.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 81% (61-152) Conc.: 24.18891
%SSR(DCB) : 77% (48-164) Conc.: 20.60963

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 91.43 | |
| 2.86 | 2.89 | 2.90 | 48141.14 | 674.876516 | | | 1 |
| 3.19 | 3.20 | 3.23 | 131077 | 1464.773659 | | | 2 |
| 3.38 | 3.38 | 3.42 | 218925.4 | 2377.242441 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 11426.17 | 124.073206 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 88979.77 | 966.203491 | | | 3 |
| 3.45 | 3.47 | 3.49 | 123941.8 | 1268.845663 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 594546 | 8075.166129 | | | 5 |
| 3.51 | 3.55 | 3.55 | 596737.8 | 8104.935313 | | | 5 |
| 3.61 | 3.63 | 3.65 | 386073.7 | 4626.277885 | | | 6 |
| Height Summation: | | | **1504896.84** | | | | |
| Amount Avg CF: | | | **3086.158579** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 28.71 | |
| 2.74 | 2.76 | 2.78 | 11704.03 | 273.936231 | | | 1 |
| 2.80 | 2.81 | 2.84 | 8508.291 | 320.034269 | | | 2 |
| 2.86 | 2.89 | 2.90 | 48141.14 | 468.523744 | | | 3 |
| Height Summation: | | | **68353.461** | | | | |
| Amount Avg CF: | | | **354.164748** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 102.71 | |
| 2.86 | 2.89 | 2.90 | 48141.14 | 583.443918 | | | 1 |
| 3.19 | 3.20 | 3.23 | 131077 | 3199.638727 | | | 2 |
| 3.38 | 3.38 | 3.42 | 218925.4 | 5302.797007 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 11426.17 | 276.763957 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 88979.77 | 2155.262286 | | | 3 |
| 3.45 | 3.47 | 3.49 | 123941.8 | 2969.67796 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 594546 | 21053.998853 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 596737.8 | 21131.614638 | | | 5 |
| 3.61 | 3.63 | 3.65 | 386073.7 | 11688.22613 | | | 6 |
| Height Summation: | | | **1504896.84** | | | | |
| Amount Avg CF: | | | **7479.233063** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 94.21 | |
| 2.86 | 2.89 | 2.90 | 48141.14 | 475.494942 | | | 1 |
| 3.19 | 3.20 | 3.23 | 131077 | 1059.412132 | | | 2 |
| 3.38 | 3.38 | 3.42 | 218925.4 | 1770.91096 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 11426.17 | 92.42751 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 88979.77 | 719.76687 | | | 3 |
| 3.45 | 3.47 | 3.49 | 123941.8 | 915.634752 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 594546 | 6208.008026 | | | 5 |
| 3.51 | 3.55 | 3.55 | 596737.8 | 6230.893912 | | | 5 |
| 3.61 | 3.63 | 3.65 | 386073.7 | 3459.266025 | | | 6 |
| Height Summation: | | | **1504896.84** | | | | |
| Amount Avg CF: | | | **2318.602121** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229476** ACF DF100 99A07 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.19 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0085.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **21.57** | |
| 4.21 | 4.23 | 4.25 | 3571128 | 45119.541729 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 1036547 | 13096.289357 | | | 1 |
| 4.32 | 4.34 | 4.36 | 993785.3 | 37616.66421 | | | 2 |
| 4.55 | 4.57 | 4.59 | 3002115 | 34301.545876 | | | 3 |
| 4.61 | 4.63 | 4.65 | 9261168 | 53079.552899 | | | 4 |
| 5.02 | 5.04 | 5.06 | 2931413 | 48094.411134 | | | 5 |
| 5.14 | 5.16 | 5.18 | 6033960 | 61692.520242 | | | 6 |

Height Summation: **25793569.3**
Amount Avg CF: **46650.706015** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **6** | **66.25** | |
| + 4.74 | 4.74 | 4.78 | 8622.927 | 72.994694 | | | 1 |
| 4.74 | 4.76 | 4.78 | 2989682 | 25308.21876 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3407496 | 28528.629931 | | | 2 |
| 5.14 | 5.16 | 5.18 | 6033960 | 41550.090453 | | | 3 |
| 5.37 | 5.39 | 5.41 | 722517.8 | 8991.997879 | | | 4 |
| 5.61 | 5.63 | 5.65 | 2121846 | 8477.171544 | | | 5 |
| 5.81 | 5.83 | 5.85 | 1689414 | 9941.687959 | | | 6 |

Height Summation: **16964915.8**
Amount Avg CF: **20466.299421** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **6** | **47.20** | |
| 5.21 | 5.23 | 5.25 | 622366.4 | 4068.631195 | | | 1 |
| 5.37 | 5.39 | 5.41 | 722517.8 | 6616.696551 | | | 2 |
| 5.61 | 5.63 | 5.65 | 2121846 | 7301.549433 | | | 3 |
| 5.81 | 5.83 | 5.85 | 1689414 | 7489.839475 | | | 4 |
| 5.87 | 5.89 | 5.91 | 184078.9 | 1619.884202 | | | 5 |
| 6.24 | 6.26 | 6.28 | 388853.7 | 3427.332281 | | | 6 |

Height Summation: **5729076.8**
Amount Avg CF: **5087.32219** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **6** | **105.35** | |
| 5.81 | 5.83 | 5.85 | 1689414 | 3867.923075 | | | 1 |
| 5.87 | 5.89 | 5.91 | 184078.9 | 478.248493 | | | 2 |
| 6.00 | 6.02 | 6.04 | 6581.062 | 19.325391 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 66110.26 | 777.530685 | | | 4 |
| 6.06 | 6.10 | 6.10 | 456087.8 | 5364.103235 | | | 4 |
| 6.23 | 6.26 | 6.27 | 388853.7 | 3133.203009 | | | 5 |
| 6.43 | 6.46 | 6.47 | 75873.16 | 85.722565 | | | 6 |

Height Summation: **2800888.622**
Amount Avg CF: **2158.087628** Linear:

## Analysis Report (B)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0085.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **137.09** | |
| 3.38 | 3.38 | 3.42 | 218925.4 | 5839.577797 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 11426.17 | 304.779658 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 88979.77 | 2373.430809 | | | 1 |
| 3.45 | 3.47 | 3.49 | 123941.8 | 2231.819227 | | | 2 |
| 3.49 | 3.51 | 3.53 | 950554.2 | 10046.188615 | | | 3 |
| 3.61 | 3.63 | 3.65 | 386073.7 | 3433.95897 | | | 4 |
| + 3.70 | 3.71 | 3.74 | 21605.97 | 265.512654 | | | 5 |
| 3.70 | 3.72 | 3.74 | 923026.5 | 11342.939755 | | | 5 |
| 3.84 | 3.85 | 3.88 | 8450312 | 54960.079643 | | | 6 |

Height Summation: **11052833.6**
Amount Avg CF: **14642.427334** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **9.69** | |
| 4.19 | 4.21 | 4.23 | 12803350 | 55216.807855 | | | 1 |
| 4.28 | 4.30 | 4.32 | 6291644 | 56126.572728 | | | 2 |
| 4.35 | 4.37 | 4.39 | 6810310 | 52662.497956 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5764772 | 62778.396467 | | | 4 |
| 4.57 | 4.59 | 4.61 | 4695549 | 46902.755741 | | | 5 |
| 4.65 | 4.67 | 4.69 | 9727091 | 58431.372532 | | | 6 |

Height Summation: **46092716**
Amount Avg CF: **55353.067213** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **6** | **76.19** | |
| 4.42 | 4.44 | 4.46 | 5764772 | 27426.287178 | | | 1 |
| 4.52 | 4.54 | 4.56 | 4557290 | 28888.813721 | | | 2 |
| 4.65 | 4.67 | 4.69 | 9727091 | 48802.489893 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1028334 | 7522.510149 | | | 4 |
| 5.06 | 5.08 | 5.10 | 2518763 | 7849.448267 | | | 5 |
| 5.32 | 5.34 | 5.36 | 1985936 | 9464.546259 | | | 6 |

Height Summation: **25582186**
Amount Avg CF: **21659.015911** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1262** | | | | | **6** | **52.19** | |
| + 4.68 | 4.70 | 4.72 | 298717 | 1380.531832 | | | 1 |
| 4.68 | 4.71 | 4.72 | 346151.5 | 1599.752155 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1028334 | 4848.337496 | | | 2 |
| 5.06 | 5.08 | 5.10 | 2518763 | 5946.120702 | | | 3 |
| 5.28 | 5.30 | 5.32 | 375733 | 2178.481423 | | | 4 |
| 5.33 | 5.34 | 5.36 | 1985936 | 7105.54943 | | | 5 |
| 5.71 | 5.72 | 5.74 | 540052.1 | 3288.801089 | | | 6 |

Height Summation: **6794969.6**
Amount Avg CF: **4161.173716** Linear:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1268** | | | | | **6** | **123.59** | |
| 5.28 | 5.30 | 5.32 | 375733 | 762.404882 | | | 1 |
| 5.33 | 5.34 | 5.36 | 1985936 | 4276.22639 | | | 2 |
| 5.48 | 5.50 | 5.52 | 199341.1 | 454.918775 | | | 3 |
| 5.55 | 5.57 | 5.59 | 3900.408 | 34.288657 | | | 4 |
| 5.70 | 5.72 | 5.74 | 540052.1 | 2942.526684 | | | 5 |
| 5.90 | 5.92 | 5.94 | 125476 | 87.194338 | | | 6 |

Height Summation: **3230438.608**
Amount Avg CF: **1426.259954** Linear:

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229476** ACF DF100 99A07 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.19 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0085.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 11:03:05
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0085.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 5004.9068 | 971.5407 | | ** 71.23 | 4 | 40 | |
| Aroclor-1221 | | | 5004.9068 | 1501.472 | | 15.54 | 3 | 40 | |
| Aroclor-1232 | | | 5004.9068 | 1207.0658 | | ** 70.97 | 4 | 40 | |
| Aroclor-1242 | | | 5004.9068 | 1207.0658 | | ** 71.91 | 4 | 40 | |
| Aroclor-1248 | | | 5004.9068 | 971.5407 | | 10.96 | 4 | 40 | |
| Aroclor-1254 | | | 5004.9068 | 1295.3876 | | 17.06 | 4 | 40 | |
| Aroclor-1260 | | | 5004.9068 | 1148.1845 | | 5.66 | 4 | 40 | |
| Aroclor-1262 | | | 5004.9068 | 971.5407 | | 20.03 | 4 | 40 | |
| Aroclor-1268 | | | 5004.9068 | 971.5407 | | ** 40.83 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:03:05 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0085.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.526 | | 2689 | 4186 |
| 1.582 | | 213113 | 249415 |
| 1.64 | | 40472 | 59129 |
| 1.664 | | 30091 | 30261 |
| 1.689 | | 234939 | 237362 |
| 1.736 | | 11411 | 14579 |
| 1.816 | | 5740 | 3209 |
| 1.837 | | 12130 | 9402 |
| 1.863 | | 8112 | 6482 |
| 1.887 | | 5088 | 3609 |
| 1.927 | | 9282 | 7681 |
| 1.949 | | 13349 | 11231 |
| 1.972 | | 7916 | 3443 |
| 1.995 | | 20556 | 14678 |
| 2.011 | | 34874 | 38076 |
| 2.053 | | 62145 | 92075 |
| 2.084 | | 23860 | 32999 |
| 2.101 | | 17561 | 14205 |
| 2.12 | | 17204 | 21224 |
| 2.157 | | 4783 | 2389 |
| 2.21 | | 74178 | 46178 |
| 2.231 | | 10408 | 11799 |
| 2.264 | | 7959 | 5184 |
| 2.285 | | 18160 | 19139 |
| 2.321 | | 31046 | 27736 |
| 2.334 | | 32493 | 24079 |
| 2.354 | | 20943 | 15540 |
| 2.394 | | 37359 | 87644 |
| 2.459 | | 33316 | 90042 |
| 2.504 | | 31544 | 50206 |
| 2.527 | | 29069 | 36656 |
| 2.548 | | 25290 | 23757 |
| 2.577 | | 25613 | 46585 |
| 2.617 | | 6360 | 6675 |
| 2.631 | | 10472 | 10989 |
| 2.659 | | 23721 | 11185 |
| 2.68 | | 3839 | 2636 |
| 2.715 | | 18307 | 25010 |
| 2.743 | | 20265 | 18315 |
| 2.772 | | 14893 | 18371 |
| 2.795 | | 10604 | 4278 |
| 2.813 | | 14395 | 12062 |
| 2.836 | | 4752 | 9774 |
| 2.9 | | 16278 | 14638 |
| 2.938 | TCX | 61804 | 43714 |
| 2.986 | | 7929 | 7093 |
| 3.014 | | 14187 | 16159 |
| 3.048 | | 8497 | 9031 |
| 3.099 | | 7359 | 9187 |
| 3.122 | | 8097 | 6690 |
| 3.147 | | 10603 | 6059 |
| 3.166 | | 4790 | 2064 |
| 3.189 | | 9519 | 10956 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.237 | | 11501 | 7672 |
| 3.257 | | 26354 | 14513 |
| 3.282 | | 12918 | 10233 |
| 3.302 | | 3103 | 1301 |
| 3.335 | | 3964 | 2279 |
| 3.358 | | 7487 | 7082 |
| 3.381 | | 6394 | 4509 |
| 3.405 | | 13843 | 8792 |
| 3.421 | | 14100 | 8183 |
| 3.453 | | 2602 | 1158 |
| 3.474 | | 8425 | 8909 |
| 3.519 | | 78407 | 51529 |
| 3.548 | | 3066 | 1756 |
| 3.595 | | 13122 | 8341 |
| 3.626 | | 7088 | 3314 |
| 3.642 | | 4654 | 3153 |
| 3.696 | | 31289 | 15605 |
| 3.703 | | 48234 | 23429 |
| 3.738 | | 84548 | 73948 |
| 3.789 | | 79128 | 64963 |
| 3.831 | | 51987 | 36822 |
| 3.859 | | 607049 | 437412 |
| 3.885 | | 363301 | 240744 |
| 3.907 | | 305833 | 203025 |
| 3.929 | | 2586 | 913 |
| 3.981 | | 237872 | 162588 |
| 4.005 | | 136607 | 90746 |
| 4.037 | | 291751 | 219648 |
| 4.07 | | 661015 | 537453 |
| 4.111 | | 97010 | 84370 |
| 4.142 | | 37165 | 30134 |
| 4.172 | | 5293 | 2284 |
| 4.194 | | 151831 | 113882 |
| 4.23 | | 3571128 | 2432732 |
| 4.248 | | 1036547 | 550685 |
| 4.273 | | 1462968 | 1223092 |
| 4.341 | | 993785 | 805014 |
| 4.383 | | 5816683 | 6015974 |
| 4.417 | | 2610408 | 2112693 |
| 4.458 | | 151202 | 102585 |
| 4.48 | | 412413 | 315134 |
| 4.521 | | 2029654 | 1752353 |
| 4.572 | | 3002115 | 2541065 |
| 4.603 | | 1074381 | 679032 |
| 4.633 | | 9261168 | 7657979 |
| 4.682 | | 648189 | 454595 |
| 4.696 | | 133974 | 52492 |
| 4.716 | | 995493 | 711117 |
| 4.738 | | 8623 | 2943 |
| 4.758 | | 2989682 | 2854751 |
| 4.804 | | 523726 | 466440 |
| 4.845 | | 4803777 | 4487711 |
| 4.877 | | 97504 | 60682 |
| 4.905 | | 641931 | 666951 |
| 4.957 | | 3407496 | 4604804 |
| 5.006 | | 162189 | 137719 |
| 5.044 | | 2931413 | 2963012 |
| 5.09 | | 410574 | 312051 |
| 5.115 | | 146673 | 99100 |
| 5.127 | | 183450 | 111448 |
| 5.161 | | 6033960 | 5144132 |
| 5.184 | | 422134 | 211301 |
| 5.201 | | 207495 | 120741 |
| 5.227 | | 622366 | 498009 |
| 5.27 | | 498261 | 561668 |
| 5.308 | | 4384 | 3273 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.343 | | 12690 | 10813 |
| 5.367 | | 1524366 | 1242741 |
| 5.39 | | 722518 | 556706 |
| 5.421 | | 12584 | 5508 |
| 5.446 | | 450764 | 400967 |
| 5.485 | | 467115 | 471307 |
| 5.523 | | 73575 | 85959 |
| 5.566 | | 1299441 | 1184959 |
| 5.6 | | 340985 | 293461 |
| 5.626 | | 2121846 | 1910174 |
| 5.663 | | 66394 | 49061 |
| 5.713 | | 9626 | 14693 |
| 5.789 | | 19361 | 18752 |
| 5.831 | | 1689414 | 1631531 |
| 5.861 | | 254068 | 184561 |
| 5.887 | | 184079 | 165942 |
| 5.997 | | 163860 | 151050 |
| 6.019 | | 6581 | 4802 |
| 6.051 | | 18185 | 11271 |
| 6.073 | | 66110 | 46716 |
| 6.1 | | 456088 | 407165 |
| 6.166 | | 64776 | 59878 |
| 6.197 | | 3505 | 2313 |
| 6.228 | | 60093 | 46113 |
| 6.256 | | 388854 | 367580 |
| 6.301 | | 23120 | 21205 |
| 6.339 | | 4557 | 6814 |
| 6.456 | | 75873 | 73058 |
| 6.571 | | 14137 | 12367 |
| 6.603 | DCB | 53041 | 49122 |
| 6.639 | | 24591 | 22919 |
| 6.738 | | 1892 | 749 |
| 6.762 | | 2933 | 1982 |
| 6.792 | | 1649 | 421 |
| 6.855 | | 2459 | 760 |
| 6.93 | | 1248 | 758 |
| 7.003 | | 1899 | 1449 |
| 7.012 | | 1661 | 618 |
| 7.106 | | 2061 | 1251 |
| 7.163 | | 1597 | 706 |
| 7.329 | | 1610 | 859 |
| 7.403 | | 2155 | 1597 |
| 7.474 | | 1534 | 1325 |
| 7.544 | | 1775 | 1422 |
| 7.642 | | 1747 | 550 |
| 7.659 | | 1612 | 482 |
| 7.841 | | 1534 | 644 |
| 7.869 | | 1749 | 446 |
| 7.906 | | 1132 | 399 |
| 7.955 | | 6836 | 10127 |
| 8.036 | | 1098 | 301 |
| 8.078 | | 1084 | 722 |
| 8.195 | | 1644 | 575 |
| 8.278 | | 1224 | 291 |
| 8.562 | | 1920 | 725 |

LANCASTER LABORATORIES

Sample Number: 9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:03:05 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0085.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

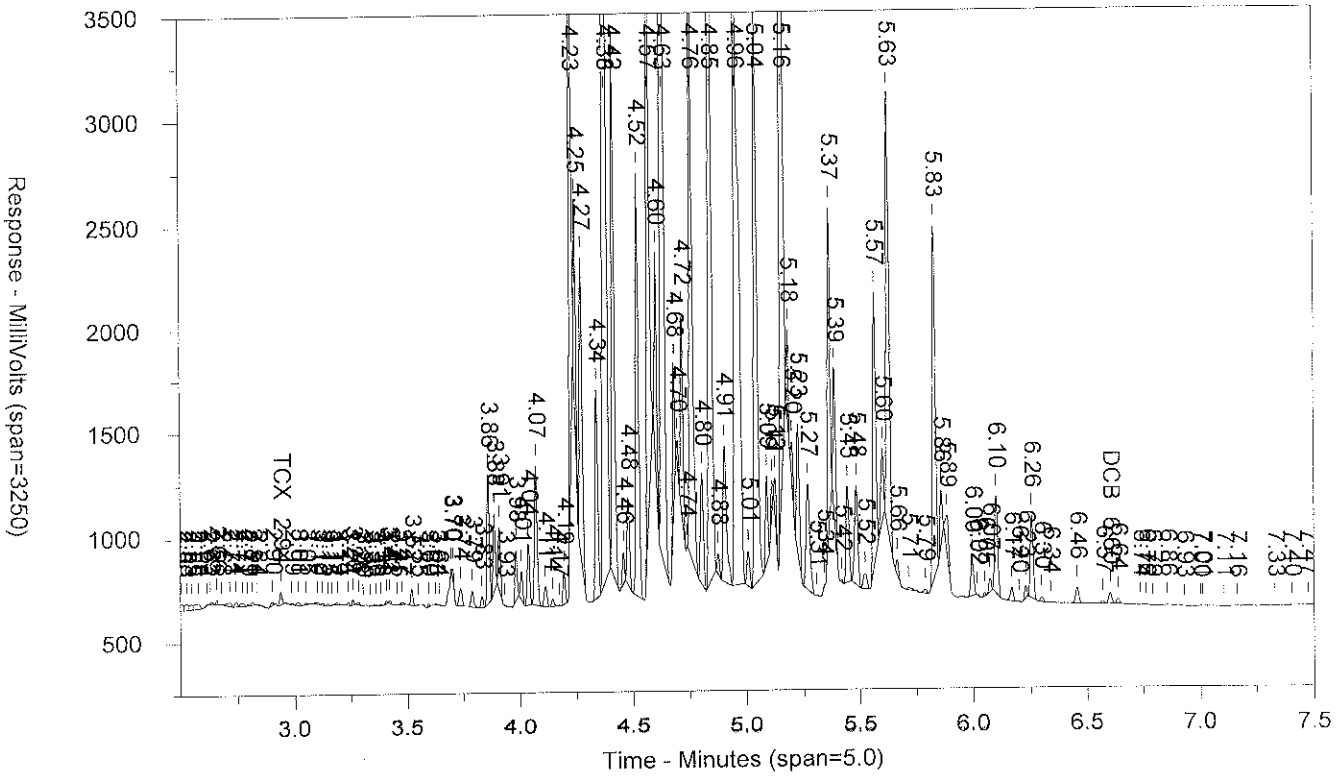
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 7164 | 3849 |
| 1.555 | | 11771 | 10416 |
| 1.583 | | 6789 | 6793 |
| 1.619 | | 8464 | 12119 |
| 1.648 | | 8744 | 7211 |
| 1.688 | | 17148 | 25097 |
| 1.71 | | 16519 | 22010 |
| 1.742 | | 14429 | 12247 |
| 1.771 | | 56531 | 61602 |
| 1.813 | | 17547 | 53456 |
| 1.858 | | 16562 | 18292 |
| 1.878 | | 15446 | 11786 |
| 1.9 | | 29955 | 22069 |
| 1.931 | | 121375 | 84752 |
| 1.96 | | 6754 | 4774 |
| 2.001 | | 8023 | 3478 |
| 2.026 | | 17187 | 16720 |
| 2.045 | | 16287 | 15076 |
| 2.076 | | 18216 | 35892 |
| 2.136 | | 12959 | 14023 |
| 2.166 | | 4667 | 2511 |
| 2.185 | | 4923 | 3036 |
| 2.207 | | 10400 | 5653 |
| 2.226 | | 2381 | 1187 |
| 2.266 | | 7920 | 8811 |
| 2.285 | | 3434 | 1832 |
| 2.298 | | 6685 | 6014 |
| 2.322 | | 3869 | 1100 |
| 2.34 | | 56912 | 36115 |
| 2.406 | | 5088 | 1776 |
| 2.422 | | 7641 | 5299 |
| 2.439 | | 6326 | 3290 |
| 2.465 | | 12020 | 8574 |
| 2.482 | | 8054 | 4262 |
| 2.515 | | 14456 | 19031 |
| 2.541 | | 4163 | 2456 |
| 2.57 | | 3726 | 2276 |
| 2.591 | TCX | 102175 | 65665 |
| 2.652 | | 7988 | 4170 |
| 2.682 | | 10914 | 17961 |
| 2.738 | | 3202 | 2652 |
| 2.764 | | 11704 | 6742 |
| 2.812 | | 8508 | 16192 |
| 2.848 | | 3332 | 1656 |
| 2.888 | | 48141 | 48676 |
| 2.928 | | 4401 | 2805 |
| 2.95 | | 4161 | 2245 |
| 2.987 | | 12047 | 15303 |
| 3.052 | | 6597 | 7570 |
| 3.085 | | 12694 | 6941 |
| 3.095 | | 15590 | 6911 |
| 3.135 | | 7293 | 3843 |
| 3.159 | | 12390 | 8374 |
| 3.181 | | 9636 | 4632 |

| | | |
|---|---|---|
| 3.204 | 131077 | 86372 |
| 3.244 | 21858 | 17051 |
| 3.29 | 18439 | 10485 |
| 3.305 | 8685 | 3930 |
| 3.364 | 231398 | 179001 |
| 3.383 | 218925 | 117401 |
| 3.399 | 11426 | 3827 |
| 3.413 | 88980 | 47615 |
| 3.472 | 123942 | 87295 |
| 3.506 | 950554 | 576631 |
| 3.529 | 594546 | 325318 |
| 3.547 | 596738 | 325260 |
| 3.632 | 386074 | 241119 |
| 3.655 | 207941 | 108460 |
| 3.675 | 450454 | 311534 |
| 3.705 | 21606 | 9029 |
| 3.721 | 923027 | 597957 |
| 3.761 | 171897 | 124157 |
| 3.802 | 193431 | 141029 |
| 3.832 | 293483 | 160452 |
| 3.853 | 8450312 | 5344180 |
| 3.878 | 1253725 | 708610 |
| 3.898 | 1126067 | 603241 |
| 3.918 | 1285664 | 771614 |
| 3.952 | 8192301 | 5291477 |
| 3.983 | 3454757 | 1989143 |
| 4 | 1688873 | 879027 |
| 4.023 | 220681 | 120964 |
| 4.061 | 656730 | 454893 |
| 4.095 | 2528112 | 1741961 |
| 4.116 | 42029 | 24525 |
| 4.152 | 5175876 | 3724652 |
| 4.185 | 1858110 | 1410333 |
| 4.212 | 12803350 | 9160142 |
| 4.249 | 967916 | 924524 |
| 4.302 | 6291644 | 5069300 |
| 4.34 | 882874 | 657229 |
| 4.372 | 6810310 | 4728955 |
| 4.396 | 1398510 | 919128 |
| 4.439 | 5764772 | 4894560 |
| 4.493 | 53864 | 37328 |
| 4.536 | 4557291 | 4627611 |
| 4.589 | 4695549 | 3692698 |
| 4.629 | 1586565 | 1346063 |
| 4.668 | 9727091 | 8478472 |
| 4.7 | 298717 | 130895 |
| 4.713 | 346152 | 171020 |
| 4.738 | 698447 | 516644 |
| 4.796 | 94585 | 106510 |
| 4.836 | 122785 | 74120 |
| 4.854 | 417718 | 288062 |
| 4.887 | 1028334 | 710240 |
| 4.91 | 2589020 | 1943217 |
| 4.96 | 915364 | 754195 |
| 4.996 | 467151 | 384795 |
| 5.027 | 299035 | 225057 |
| 5.059 | 1660936 | 1224173 |
| 5.082 | 2518763 | 2027547 |
| 5.123 | 63014 | 39183 |
| 5.153 | 106085 | 85110 |
| 5.218 | 7758 | 5800 |
| 5.252 | 5676 | 3698 |
| 5.275 | 12168 | 7010 |
| 5.298 | 375733 | 342184 |
| 5.34 | 1985936 | 2201368 |
| 5.441 | 6859 | 6686 |
| 5.496 | 199341 | 165780 |

| | | | |
|---|---|---|---|
| 5.528 | | 10799 | 7260 |
| 5.544 | | 84883 | 59582 |
| 5.566 | | 3900 | 1461 |
| 5.589 | | 333363 | 263763 |
| 5.615 | | 254785 | 197792 |
| 5.661 | | 17494 | 16064 |
| 5.697 | | 90857 | 65517 |
| 5.725 | | 540052 | 435463 |
| 5.755 | | 29859 | 22215 |
| 5.802 | | 4636 | 4972 |
| 5.925 | | 125476 | 105886 |
| 6.061 | | 17633 | 11626 |
| 6.084 | DCB | 79501 | 64159 |
| 6.121 | | 60214 | 51546 |
| 6.215 | | 6784 | 5638 |
| 6.258 | | 2516 | 2116 |
| 6.283 | | 13020 | 11899 |
| 6.509 | | 3701 | 7227 |
| 6.562 | | 3696 | 7781 |
| 6.623 | | 3548 | 5410 |
| 6.726 | | 1747 | 1627 |
| 6.809 | | 1457 | 1514 |
| 6.985 | | 1515 | 964 |
| 7.115 | | 819 | 2511 |
| 7.515 | | 11279 | 15548 |
| 8.165 | | 10693 | 21621 |

9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0085.RAW

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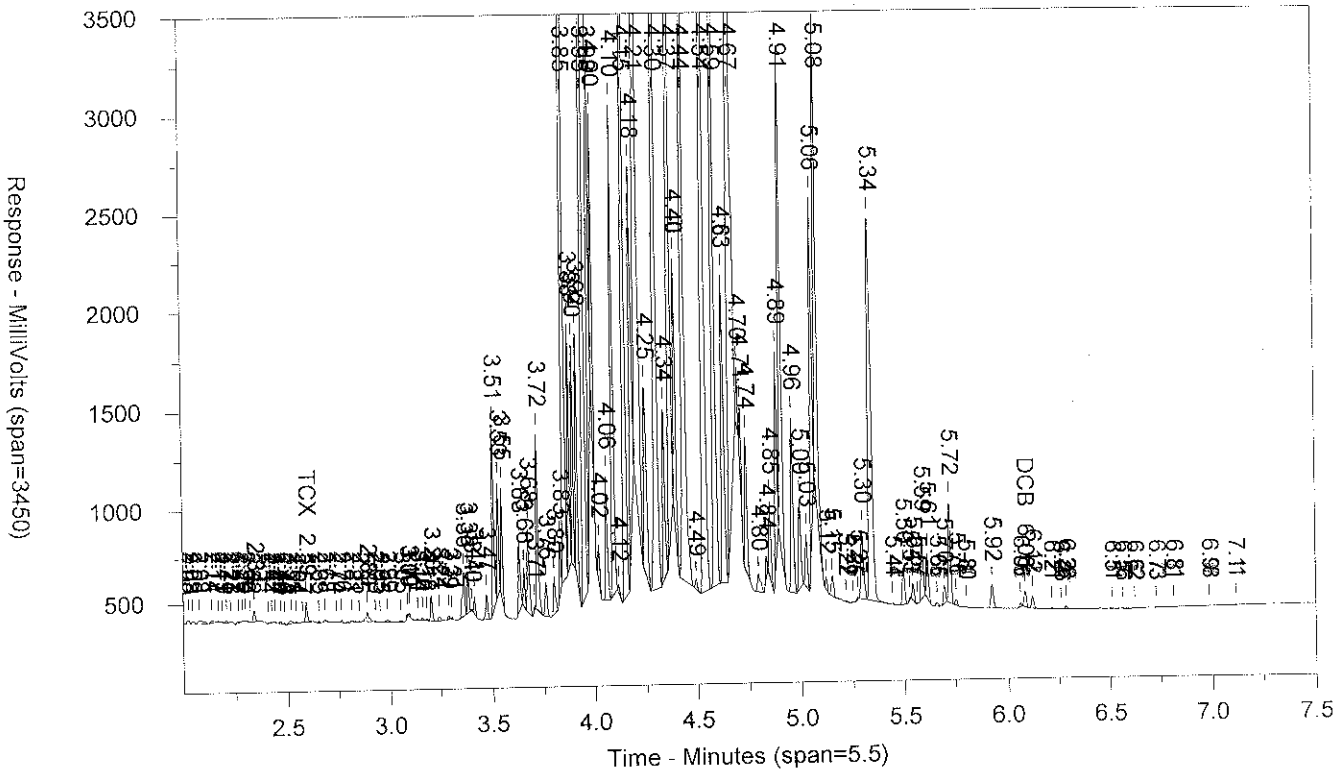


LANCASTER LABORATORIES

Sample Number: 9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:03:05 AM
Sample Weight: 10.19
Dilution Factor: 1000
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

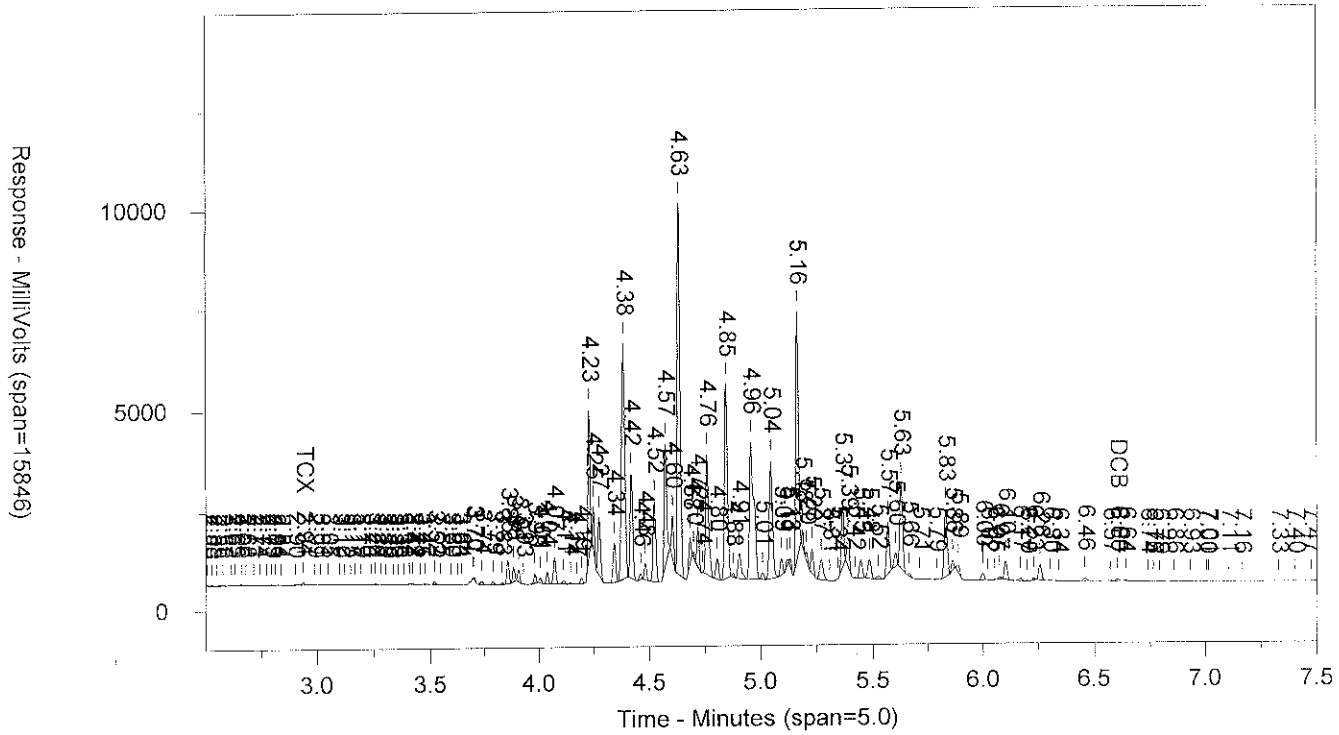
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.938 | 61804 | 22.126 | TCX | 2.591 | 102175 | 24.189 | TCX |
| 6.603 | 53041 | 25.796 | DCB | 6.084 | 79501 | 20.61 | DCB |

Files:
Area File: 07PCBS17284001.0085.RAW
Area File: 07PCBS17284001B.0085.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:11:46 AM
File Reported On: 10/12/2017 at 11:12:04 AM

9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0085.RAW

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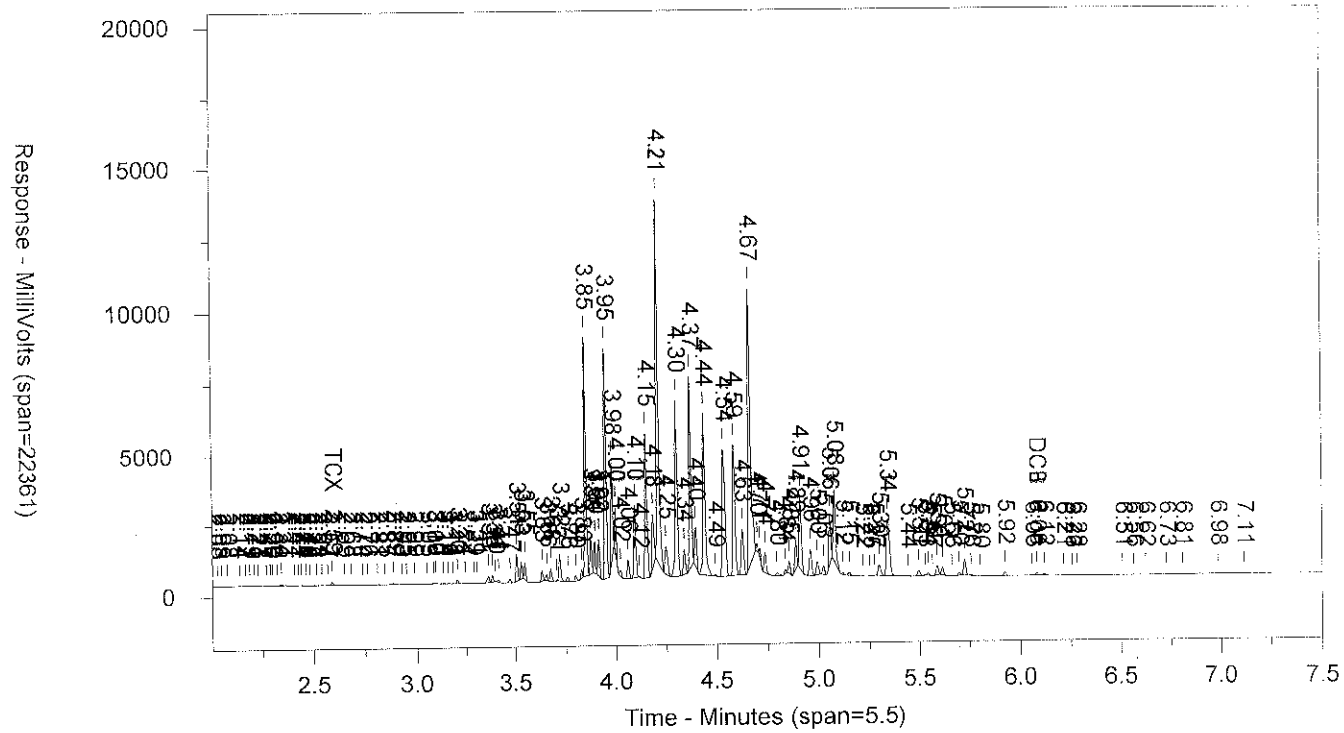

9229476 ACF DF100 AC99A07 T 172820027A 10225 SW-846 8082

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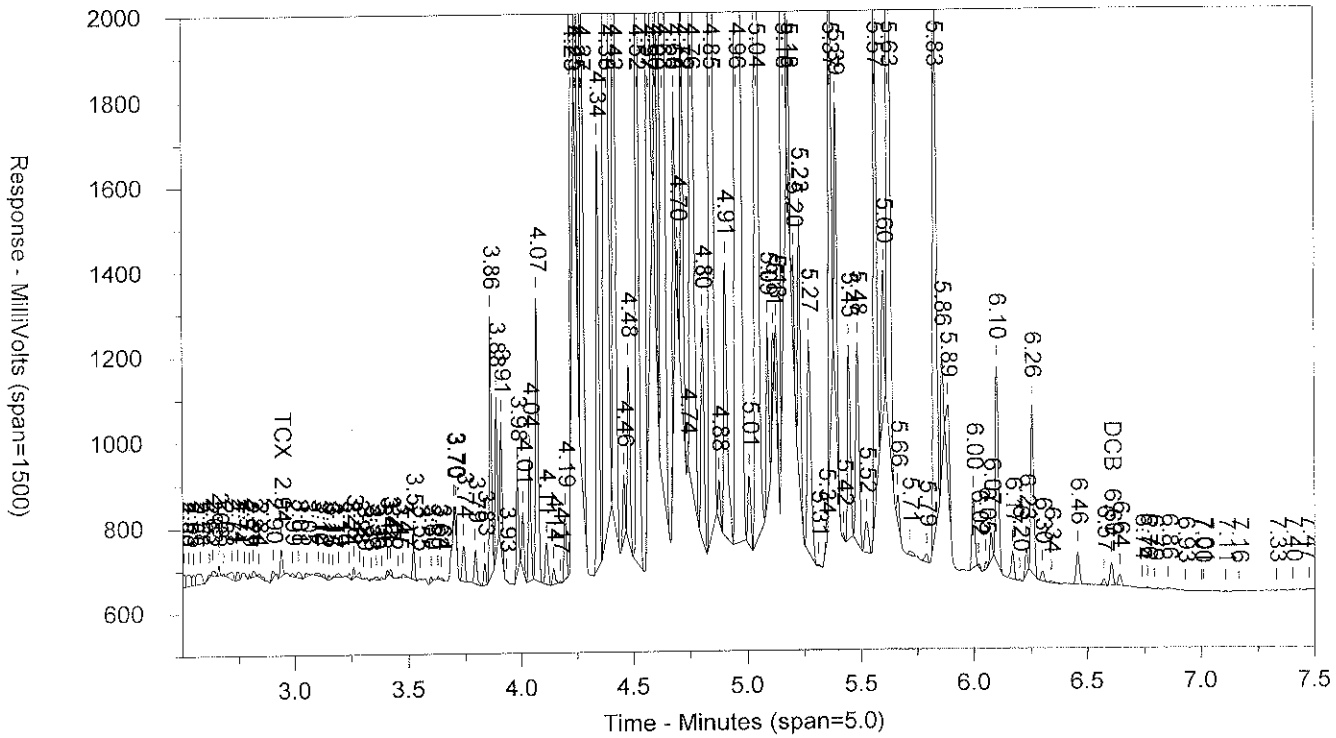


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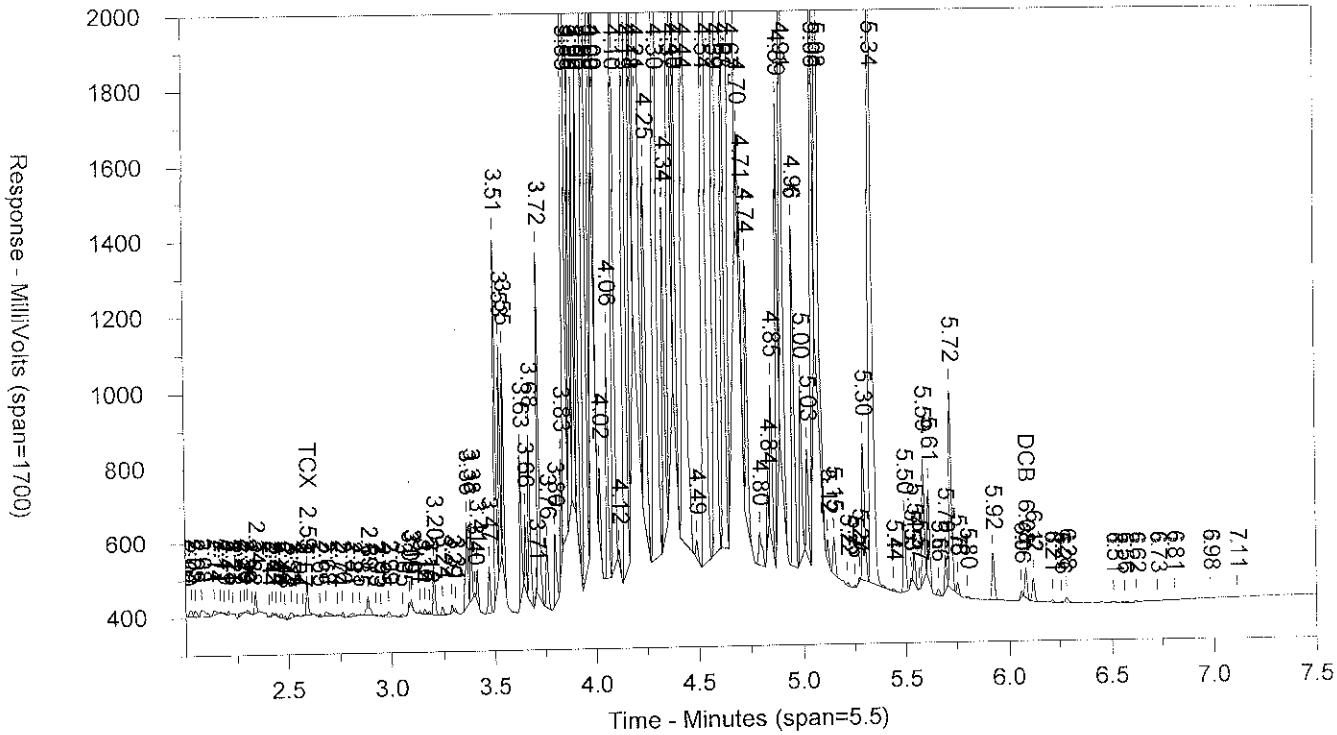


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229477** ACF DF500 99A08 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.08 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 11:14:32 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0086.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 131% ( 61 - 152 ) Conc: 39.62421
%SSR(DCB) 134% ( 48 - 164 ) Conc: 36.10183

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 11:14:32 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0086.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 132% ( 61 - 152 ) Conc: 40.09929
%SSR(DCB) 143% ( 48 - 164 ) Conc: 38.44926

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 21897 | 39.62421 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 14686 | 36.10183 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 33510 | 40.09929 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 29343 | 38.44926 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 40.09929 | | | | 1.19 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 39.62421 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 40.09929 | | | | | |
| ☐ | Decachlorobiphenyl | B | 38.44926 | | | | 6.30 | |
| ☑ | Decachlorobiphenyl-D1 | A | 36.10183 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 38.44926 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **15.54** | |
| 4.21 | 4.23 | 4.25 | 4881714 | 311756.309361 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1365286 | 261213.131124 | | | 2 |
| 4.55 | 4.57 | 4.59 | 3679164 | 212480.545086 | | | 3 |
| 4.61 | 4.63 | 4.65 | 11305940 | 327530.55879 | | | 4 |
| 5.02 | 5.04 | 5.06 | 3318112 | 275164.434299 | | | 5 |
| 5.14 | 5.16 | 5.18 | 6226992 | 321804.453016 | | | 6 |

Height summation: **30777208**
Concentration CF: **284991.571946** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **7.05** | |
| 4.19 | 4.21 | 4.23 | 16142170 | 351878.920661 | | | 1 |
| 4.28 | 4.30 | 4.32 | 7016906 | 316397.976632 | | | 2 |
| 4.35 | 4.37 | 4.39 | 9190477 | 359216.504878 | | | 3 |
| 4.42 | 4.44 | 4.46 | 6505723 | 358102.462351 | | | 4 |
| 4.57 | 4.59 | 4.61 | 6005210 | 303196.259094 | | | 5 |
| 4.65 | 4.67 | 4.69 | 10798810 | 327885.842663 | | | 6 |

Height summation: **55659296**
Concentration CF: **336112.99438** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <25297.6187 | <4910.7142 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <25297.6187 | <7589.2856 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <25297.6187 | <6101.1904 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <25297.6187 | <6101.1904 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <25297.6187 | <4910.7142 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 284991.571946 | 25297.6187 | 6547.6189 | D1 | 16.46 | 4 | |
| ☑ | PCB-1260 | | | <25297.6187 | <5803.5713 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:35

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229477** ACF DF500 99A08 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.08 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0086.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 131% (61-152) Conc.: 39.62421
%SSR(DCB) : 134% (48-164) Conc.: 36.10183

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **6** | **87.38** | |
| 3.17 | 3.19 | 3.21 | 27375.87 | 2823.79391 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 34987.04 | 3442.543703 | | | 2 |
| 3.38 | 3.42 | 3.42 | 43005.26 | 4231.495062 | | | 2 |
| 3.50 | 3.52 | 3.54 | 277512.8 | 22733.292631 | | | 3 |
| 3.71 | 3.74 | 3.75 | 239329.5 | 16134.196947 | | | 4 |
| 3.77 | 3.79 | 3.81 | 196153.4 | 15021.547485 | | | 5 |
| 3.96 | 3.98 | 4.00 | 450437.1 | 45229.954449 | | | 6 |
| Height Summation: | | | **1233813.93** | | | | |
| Amount Avg CF: | | | **17695.713414** | Linear: | | | |
| **Aroclor-1221** | | | | | **3** | **43.78** | |
| 3.07 | 3.09 | 3.11 | 10363.96 | 2074.442099 | | | 1 |
| 3.12 | 3.13 | 3.16 | 3541.497 | 808.598291 | | | 2 |
| 3.17 | 3.19 | 3.21 | 27375.87 | 2019.169085 | | | 3 |
| Height Summation: | | | **41281.327** | | | | |
| Amount Avg CF: | | | **1634.069825** | Linear: | | | |
| **Aroclor-1232** | | | | | **6** | **99.52** | |
| 3.17 | 3.19 | 3.21 | 27375.87 | 2429.759022 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 34987.04 | 7644.63023 | | | 2 |
| 3.38 | 3.42 | 3.42 | 43005.26 | 9396.602589 | | | 2 |
| 3.50 | 3.52 | 3.54 | 277512.8 | 49929.797977 | | | 3 |
| 3.71 | 3.74 | 3.75 | 239329.5 | 35564.070354 | | | 4 |
| 3.77 | 3.79 | 3.81 | 196153.4 | 35650.302814 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 450437.1 | 119359.369862 | | | 6 |
| Height Summation: | | | **1233813.93** | | | | |
| Amount Avg CF: | | | **42054.98377** | Linear: | | | |
| **Aroclor-1242** | | | | | **6** | **88.05** | |
| 3.17 | 3.19 | 3.21 | 27375.87 | 2028.793104 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 34987.04 | 2563.269841 | | | 2 |
| 3.38 | 3.42 | 3.42 | 43005.26 | 3150.711977 | | | 2 |
| 3.50 | 3.52 | 3.54 | 277512.8 | 17068.27908 | | | 3 |
| 3.71 | 3.74 | 3.75 | 239329.5 | 11754.38813 | | | 4 |
| 3.77 | 3.79 | 3.81 | 196153.4 | 11229.147065 | | | 5 |
| 3.96 | 3.98 | 4.00 | 450437.1 | 33861.252024 | | | 6 |
| Height Summation: | | | **1233813.93** | | | | |
| Amount Avg CF: | | | **13182.09523** | Linear: | | | |
| **Aroclor-1248** | | | | | **6** | **121.62** | |
| 3.71 | 3.74 | 3.75 | 239329.5 | 36197.495354 | | | 1 |
| 3.77 | 3.79 | 3.81 | 196153.4 | 27114.508449 | | | 2 |
| 3.84 | 3.86 | 3.88 | 996900.2 | 80494.183153 | | | 3 |
| 3.96 | 3.98 | 4.00 | 450437.1 | 32421.168206 | | | 4 |
| 4.05 | 4.07 | 4.09 | 1073372 | 85348.255858 | | | 5 |
| 4.23 | 4.23 | 4.27 | 4881714 | 349256.896023 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 1298194 | 92877.871763 | | | 6 |
| Height Summation: | | | **7837906.2** | | | | |
| Amount Avg CF: | | | **101805.41784** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0086.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 132% (61-152) Conc.: 40.09929
%SSR(DCB) : 143% (48-164) Conc.: 38.44926

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **6** | **113.10** | |
| 2.86 | 2.88 | 2.90 | 37085 | 2627.785338 | | | 1 |
| 3.19 | 3.20 | 3.23 | 419381.8 | 23688.483789 | | | 2 |
| 3.38 | 3.38 | 3.42 | 524246.4 | 28773.748043 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 23222.76 | 1274.602639 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 294604.4 | 16169.634694 | | | 3 |
| 3.45 | 3.47 | 3.49 | 321308 | 16626.322322 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 1582519 | 108642.21047 | | | 5 |
| 3.51 | 3.55 | 3.55 | 1953317 | 134098.027656 | | | 5 |
| 3.61 | 3.63 | 3.65 | 746616.6 | 45221.274267 | | | 6 |
| Height Summation: | | | **4001954.8** | | | | |
| Amount Avg CF: | | | **41839.273569** | Linear: | | | |
| **Aroclor-1221** | | | | | **3** | **11.52** | |
| 2.74 | 2.77 | 2.78 | 17899.77 | 2117.605989 | | | 1 |
| 2.80 | 2.82 | 2.84 | 8916.848 | 1695.310177 | | | 2 |
| 2.86 | 2.88 | 2.90 | 37085 | 1824.303847 | | | 3 |
| Height Summation: | | | **63901.618** | | | | |
| Amount Avg CF: | | | **1879.073338** | Linear: | | | |
| **Aroclor-1232** | | | | | **6** | **121.71** | |
| 2.86 | 2.88 | 2.90 | 37085 | 2271.771706 | | | 1 |
| 3.19 | 3.20 | 3.23 | 419381.8 | 51744.916125 | | | 2 |
| 3.38 | 3.38 | 3.42 | 524246.4 | 64184.175052 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 23222.76 | 2843.192997 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 294604.4 | 36068.803488 | | | 3 |
| 3.45 | 3.47 | 3.49 | 321308 | 38913.182587 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 1582519 | 283257.69874 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 1953317 | 349627.447335 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 746616.6 | 114250.914598 | | | 6 |
| Height Summation: | | | **4001954.8** | | | | |
| Amount Avg CF: | | | **103498.734567** | Linear: | | | |
| **Aroclor-1242** | | | | | **6** | **115.99** | |
| 2.86 | 2.88 | 2.90 | 37085 | 1851.447797 | | | 1 |
| 3.19 | 3.20 | 3.23 | 419381.8 | 17132.931736 | | | 2 |
| 3.38 | 3.38 | 3.42 | 524246.4 | 21434.812406 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 23222.76 | 949.506767 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 294604.4 | 12045.46192 | | | 3 |
| 3.45 | 3.47 | 3.49 | 321308 | 11998.022267 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 1582519 | 83521.713835 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 1953317 | 103091.579629 | | | 5 |
| 3.61 | 3.63 | 3.65 | 746616.6 | 33813.882687 | | | 6 |
| Height Summation: | | | **4001954.8** | | | | |
| Amount Avg CF: | | | **31553.77942** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229477** ACF DF500 99A08 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.08 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0086.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | **6** | **15.54** | |
| 4.21 | 4.23 | 4.25 | 4881714 | 311756.309361 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 1298194 | 82905.342319 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1365286 | 261213.131124 | | | 2 |
| 4.55 | 4.57 | 4.59 | 3679164 | 212480.545086 | | | 3 |
| 4.61 | 4.63 | 4.65 | 11305940 | 327530.55879 | | | 4 |
| 5.02 | 5.04 | 5.06 | 3318112 | 275164.434299 | | | 5 |
| 5.14 | 5.16 | 5.18 | 6226992 | 321804.453016 | | | 6 |
| Height Summation: | | | **30777208** | | | | |
| Amount Avg CF: | | | **284991.571946** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **77.16** | |
| 4.74 | 4.76 | 4.78 | 3214790 | 137553.880935 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3565565 | 150888.998157 | | | 2 |
| 5.14 | 5.16 | 5.18 | 6226992 | 216736.227965 | | | 3 |
| 5.37 | 5.39 | 5.41 | 555148.2 | 34922.090796 | | | 4 |
| 5.61 | 5.63 | 5.65 | 1450460 | 29290.482381 | | | 5 |
| 5.81 | 5.83 | 5.85 | 1306262 | 38854.201518 | | | 6 |
| Height Summation: | | | **16319217.2** | | | | |
| Amount Avg CF: | | | **101374.313625** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **63.97** | |
| 5.21 | 5.23 | 5.25 | 392585.6 | 12972.396321 | | | 1 |
| 5.37 | 5.39 | 5.41 | 555148.2 | 25697.167731 | | | 2 |
| 5.61 | 5.63 | 5.65 | 1450460 | 25228.450777 | | | 3 |
| 5.81 | 5.83 | 5.85 | 1306262 | 29271.86344 | | | 4 |
| 5.87 | 5.89 | 5.91 | 46995.93 | 2090.37337 | | | 5 |
| 6.24 | 6.26 | 6.28 | 184993.8 | 8241.586202 | | | 6 |
| Height Summation: | | | **3936445.53** | | | | |
| Amount Avg CF: | | | **17250.306307** | Linear: | | | |
| **Aroclor-1268** | | | | | **5** | **107.95** | |
| 5.81 | 5.83 | 5.85 | 1306262 | 15116.65456 | | | 1 |
| 5.87 | 5.89 | 5.91 | 46995.93 | 617.153938 | | | 2 |
| + 6.06 | 6.07 | 6.10 | 49087.11 | 2918.097457 | | | 4 |
| 6.06 | 6.10 | 6.10 | 418436.1 | 24874.907475 | | | 4 |
| 6.23 | 6.26 | 6.27 | 184993.8 | 7534.303817 | | | 5 |
| 6.43 | 6.46 | 6.47 | 41276.68 | 235.71944 | | | 6 |
| Height Summation: | | | **1997964.51** | | | | |
| Amount Avg CF: | | | **9675.747846** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0086.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **112.62** | |
| 3.38 | 3.38 | 3.42 | 524246.4 | 70681.280666 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 23222.76 | 3130.997976 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 294604.4 | 39719.90324 | | | 1 |
| 3.45 | 3.47 | 3.49 | 321308 | 29244.648826 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1555658 | 83104.056941 | | | 3 |
| 3.61 | 3.63 | 3.65 | 746616.6 | 33566.50946 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 35398.55 | 2198.773958 | | | 5 |
| 3.70 | 3.72 | 3.74 | 1544298 | 95923.765985 | | | 5 |
| 3.84 | 3.85 | 3.88 | 11222180 | 368922.799756 | | | 6 |
| Height Summation: | | | **15914307** | | | | |
| Amount Avg CF: | | | **113573.843606** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **7.05** | |
| 4.19 | 4.21 | 4.23 | 16142170 | 351878.920661 | | | 1 |
| 4.28 | 4.30 | 4.32 | 7016906 | 316397.976632 | | | 2 |
| 4.35 | 4.37 | 4.39 | 9190477 | 359216.504878 | | | 3 |
| 4.42 | 4.44 | 4.46 | 6505723 | 358102.462351 | | | 4 |
| 4.57 | 4.59 | 4.61 | 6005210 | 303196.259094 | | | 5 |
| 4.65 | 4.67 | 4.69 | 10798810 | 327885.842663 | | | 6 |
| Height Summation: | | | **55659296** | | | | |
| Amount Avg CF: | | | **336112.99438** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **88.36** | |
| 4.42 | 4.44 | 4.46 | 6505723 | 156445.871898 | | | 1 |
| 4.52 | 4.54 | 4.56 | 4738626 | 151830.538463 | | | 2 |
| 4.65 | 4.67 | 4.69 | 10798810 | 273853.665062 | | | 3 |
| 4.87 | 4.89 | 4.91 | 687905.1 | 25435.528898 | | | 4 |
| 5.06 | 5.08 | 5.10 | 1741222 | 27427.715025 | | | 5 |
| 5.32 | 5.34 | 5.36 | 1687035 | 40638.933177 | | | 6 |
| Height Summation: | | | **26159321.1** | | | | |
| Amount Avg CF: | | | **112605.375421** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **57.45** | |
| + 4.68 | 4.70 | 4.72 | 102187.2 | 2387.078173 | | | 1 |
| 4.68 | 4.71 | 4.72 | 553904.9 | 12939.138135 | | | 1 |
| 4.87 | 4.89 | 4.91 | 687905.1 | 16393.467878 | | | 2 |
| 5.06 | 5.08 | 5.10 | 1741222 | 20777.065926 | | | 3 |
| 5.28 | 5.30 | 5.32 | 196569.7 | 5760.693271 | | | 4 |
| 5.33 | 5.34 | 5.36 | 1687035 | 30509.85653 | | | 5 |
| 5.71 | 5.72 | 5.74 | 263909.9 | 8123.464496 | | | 6 |
| Height Summation: | | | **5130546.6** | | | | |
| Amount Avg CF: | | | **15750.614373** | Linear: | | | |
| **Aroclor-1268** | | | | | **5** | **120.62** | |
| 5.28 | 5.30 | 5.32 | 196569.7 | 2016.074422 | | | 1 |
| 5.33 | 5.34 | 5.36 | 1687035 | 18361.289992 | | | 2 |
| 5.48 | 5.50 | 5.52 | 218586.6 | 2521.414242 | | | 3 |
| 5.70 | 5.72 | 5.74 | 263909.9 | 7268.153471 | | | 5 |
| 5.90 | 5.92 | 5.94 | 71539.05 | 251.277987 | | | 6 |
| Height Summation: | | | **2437640.25** | | | | |
| Amount Avg CF: | | | **6083.642023** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229477** ACF DF500 99A08 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.08 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0086.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 11:14:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0086.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 25297.6187 | 4910.7142 | | ** 81.11 | 4 | 40 | |
| Aroclor-1221 | | | 25297.6187 | 7589.2856 | | 13.95 | 3 | 40 | |
| Aroclor-1232 | | | 25297.6187 | 6101.1904 | E | ** 84.43 | 4 | 40 | |
| Aroclor-1242 | | | 25297.6187 | 6101.1904 | | ** 82.13 | 4 | 40 | |
| Aroclor-1248 | | | 25297.6187 | 4910.7142 | | 10.93 | 4 | 40 | |
| Aroclor-1254 | | | 25297.6187 | 6547.6189 | | 16.46 | 4 | 40 | |
| Aroclor-1260 | | | 25297.6187 | 5803.5713 | | 10.50 | 4 | 40 | |
| Aroclor-1262 | | | 25297.6187 | 4910.7142 | | 9.09 | 4 | 40 | |
| Aroclor-1268 | | | 25297.6187 | 4910.7142 | | ** 45.59 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:14:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0086.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.582 | | 198424 | 236053 |
| 1.688 | | 623259 | 591758 |
| 2.043 | | 94375 | 121291 |
| 2.087 | | 14455 | 19657 |
| 2.165 | | 6238 | 5501 |
| 2.209 | | 186096 | 135480 |
| 2.333 | | 22399 | 14336 |
| 2.429 | | 2438 | 911 |
| 2.51 | | 1497 | 9321 |
| 2.592 | | 14798 | 10988 |
| 2.613 | | 2953 | 2271 |
| 2.659 | | 68698 | 43594 |
| 2.705 | | 2835 | 1482 |
| 2.786 | | 36131 | 34632 |
| 2.861 | | 3006 | 2702 |
| 2.898 | | 5976 | 5499 |
| 2.936 | TCX | 21897 | 15674 |
| 2.964 | | 3977 | 3392 |
| 3.045 | | 8249 | 5615 |
| 3.09 | | 10364 | 9878 |
| 3.126 | | 3541 | 1632 |
| 3.189 | | 27376 | 21541 |
| 3.259 | | 6315 | 3649 |
| 3.282 | | 15608 | 11511 |
| 3.403 | | 34987 | 20077 |
| 3.42 | | 43005 | 26132 |
| 3.457 | | 21960 | 12471 |
| 3.472 | | 14367 | 14921 |
| 3.518 | | 277513 | 195627 |
| 3.593 | | 26627 | 18982 |
| 3.625 | | 30431 | 17746 |
| 3.64 | | 12718 | 5841 |
| 3.695 | | 603400 | 797968 |
| 3.738 | | 239330 | 211162 |
| 3.789 | | 196153 | 148846 |
| 3.83 | | 140208 | 100528 |
| 3.858 | | 996900 | 691513 |
| 3.884 | | 887414 | 580674 |
| 3.907 | | 1090246 | 757457 |
| 3.981 | | 450437 | 312919 |
| 4.005 | | 417598 | 293950 |
| 4.036 | | 724269 | 538625 |
| 4.07 | | 1073373 | 865846 |
| 4.111 | | 219246 | 197064 |
| 4.142 | | 57050 | 35041 |
| 4.158 | | 16081 | 6878 |
| 4.194 | | 235835 | 183862 |
| 4.229 | | 4881714 | 3327905 |
| 4.247 | | 1298194 | 692562 |
| 4.272 | | 2673776 | 2214744 |
| 4.34 | | 1365286 | 1121157 |
| 4.383 | | 7638907 | 7934106 |
| 4.417 | | 3684385 | 2869861 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.457 | | 294210 | 208467 |
| 4.479 | | 575641 | 422498 |
| 4.522 | | 2579923 | 2218402 |
| 4.572 | | 3679164 | 2973404 |
| 4.603 | | 1082045 | 705584 |
| 4.633 | | 11305940 | 9613561 |
| 4.682 | | 651747 | 470869 |
| 4.696 | | 121460 | 55202 |
| 4.716 | | 991791 | 742355 |
| 4.737 | | 13630 | 4431 |
| 4.758 | | 3214791 | 3091650 |
| 4.804 | | 720117 | 633101 |
| 4.845 | | 6135692 | 5535852 |
| 4.875 | | 80931 | 53499 |
| 4.904 | | 707084 | 767586 |
| 4.956 | | 3565565 | 4999156 |
| 5.007 | | 115878 | 90301 |
| 5.043 | | 3318112 | 3406800 |
| 5.09 | | 447680 | 342204 |
| 5.114 | | 150394 | 101737 |
| 5.127 | | 197010 | 122944 |
| 5.161 | | 6226993 | 5395048 |
| 5.184 | | 421310 | 208991 |
| 5.202 | | 269623 | 148907 |
| 5.228 | | 392586 | 292279 |
| 5.27 | | 383153 | 423658 |
| 5.343 | | 12845 | 9401 |
| 5.367 | | 1562339 | 1290504 |
| 5.39 | | 555148 | 398976 |
| 5.42 | | 16673 | 8849 |
| 5.446 | | 354446 | 305993 |
| 5.484 | | 440440 | 435681 |
| 5.522 | | 61618 | 67611 |
| 5.566 | | 1266887 | 1225249 |
| 5.601 | | 372511 | 326580 |
| 5.626 | | 1450460 | 1307939 |
| 5.663 | | 52581 | 40912 |
| 5.712 | | 2801 | 1782 |
| 5.787 | | 17157 | 15550 |
| 5.831 | | 1306262 | 1228932 |
| 5.861 | | 244049 | 202267 |
| 5.886 | | 46996 | 32161 |
| 5.997 | | 180467 | 189357 |
| 6.05 | | 23846 | 16676 |
| 6.074 | | 49087 | 35038 |
| 6.101 | | 418436 | 380164 |
| 6.166 | | 66571 | 63613 |
| 6.201 | | 4184 | 2327 |
| 6.228 | | 71425 | 59250 |
| 6.256 | | 184994 | 164714 |
| 6.302 | | 10605 | 8560 |
| 6.342 | | 2406 | 1670 |
| 6.429 | | 1654 | 480 |
| 6.456 | | 41277 | 39945 |
| 6.569 | | 16060 | 15274 |
| 6.602 | DCB | 14686 | 13619 |
| 6.638 | | 31193 | 29881 |
| 6.756 | | 1261 | 512 |
| 6.79 | | 1537 | 446 |
| 6.934 | | 1678 | 1033 |
| 7.007 | | 1406 | 665 |
| 7.026 | | 2149 | 1310 |
| 7.301 | | 1431 | 398 |
| 7.451 | | 2066 | 518 |
| 7.621 | | 1220 | 467 |
| 7.663 | | 1669 | 786 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.812 | | 1601 | 381 |
| 7.829 | | 1448 | 576 |
| 7.877 | | 1936 | 465 |
| 8.019 | | 1453 | 648 |
| 8.034 | | 1706 | 580 |
| 8.103 | | 1928 | 461 |
| 8.157 | | 1729 | 762 |
| 8.429 | | 1394 | 323 |
| 8.567 | | 2545 | 3221 |
| 8.619 | | 1846 | 471 |

LANCASTER LABORATORIES

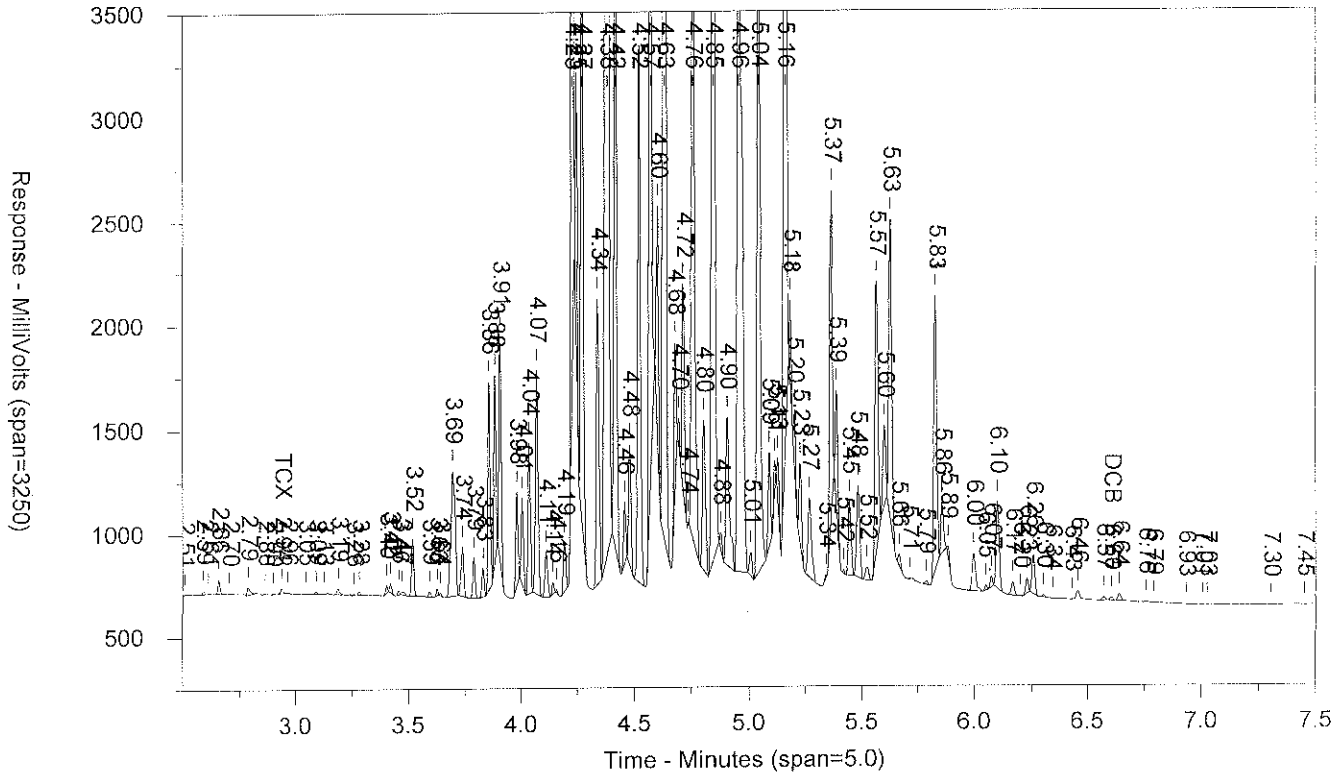
Sample Number: 9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:14:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0086.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.76 | | 123686 | 173161 |
| 1.899 | | 40550 | 29000 |
| 1.931 | | 293146 | 211420 |
| 1.968 | | 16880 | 30249 |
| 2.134 | | 8772 | 7933 |
| 2.153 | | 2608 | 2269 |
| 2.208 | | 2421 | 1198 |
| 2.222 | | 4820 | 2667 |
| 2.299 | | 2753 | 2000 |
| 2.34 | | 110466 | 82747 |
| 2.387 | | 3098 | 2077 |
| 2.415 | | 6504 | 4554 |
| 2.509 | | 8833 | 8609 |
| 2.525 | | 51832 | 46207 |
| 2.591 | TCX | 33510 | 24736 |
| 2.635 | | 5747 | 6746 |
| 2.69 | | 6863 | 5534 |
| 2.726 | | 2213 | 2331 |
| 2.765 | | 17900 | 19595 |
| 2.825 | | 8917 | 5504 |
| 2.876 | | 37085 | 27295 |
| 2.948 | | 4844 | 4684 |
| 2.987 | | 23989 | 16767 |
| 3.031 | | 4709 | 4007 |
| 3.085 | | 36260 | 16113 |
| 3.095 | | 46879 | 22621 |
| 3.135 | | 41714 | 22767 |
| 3.158 | | 26880 | 17669 |
| 3.182 | | 17834 | 8757 |
| 3.204 | | 419382 | 269666 |
| 3.245 | | 38005 | 25718 |
| 3.289 | | 56785 | 30789 |
| 3.304 | | 25830 | 11952 |
| 3.363 | | 831391 | 614093 |
| 3.383 | | 524246 | 285268 |
| 3.397 | | 23223 | 7142 |
| 3.413 | | 294604 | 158982 |
| 3.471 | | 321308 | 219772 |
| 3.506 | | 1555658 | 988979 |
| 3.529 | | 1582519 | 814601 |
| 3.547 | | 1953317 | 1078232 |
| 3.593 | | 4025 | 3614 |
| 3.632 | | 746617 | 440480 |
| 3.654 | | 649870 | 350596 |
| 3.675 | | 1136283 | 740947 |
| 3.705 | | 35399 | 15189 |
| 3.72 | | 1544298 | 974217 |
| 3.761 | | 377539 | 277842 |
| 3.801 | | 270838 | 225998 |
| 3.831 | | 813608 | 454650 |
| 3.853 | | 11222180 | 7092350 |
| 3.878 | | 2740216 | 1560478 |
| 3.897 | | 1684002 | 885292 |
| 3.917 | | 1949125 | 1138279 |

| | | | |
|---|---|---|---|
| 3.952 | | 10633750 | 6923001 |
| 3.983 | | 5132702 | 2965100 |
| 3.999 | | 2152528 | 1096665 |
| 4.022 | | 385170 | 204061 |
| 4.06 | | 904189 | 638909 |
| 4.095 | | 3390919 | 2312322 |
| 4.116 | | 47215 | 19086 |
| 4.151 | | 6087147 | 4364706 |
| 4.184 | | 2255148 | 1689198 |
| 4.212 | | 16142170 | 11650670 |
| 4.249 | | 1137650 | 1023438 |
| 4.303 | | 7016906 | 5791524 |
| 4.34 | | 1219737 | 922874 |
| 4.372 | | 9190477 | 6283198 |
| 4.395 | | 1510017 | 1020037 |
| 4.439 | | 6505723 | 5532492 |
| 4.536 | | 4738627 | 4970413 |
| 4.589 | | 6005210 | 4707404 |
| 4.629 | | 1678796 | 1455607 |
| 4.667 | | 10798810 | 9725879 |
| 4.699 | | 102187 | 32594 |
| 4.713 | | 553905 | 304636 |
| 4.739 | | 513163 | 379059 |
| 4.796 | | 111903 | 118638 |
| 4.837 | | 64234 | 34880 |
| 4.854 | | 474224 | 348451 |
| 4.887 | | 687905 | 482488 |
| 4.911 | | 3005604 | 2261924 |
| 4.961 | | 791920 | 661108 |
| 4.996 | | 409702 | 338273 |
| 5.027 | | 244537 | 183471 |
| 5.059 | | 2162562 | 1544184 |
| 5.082 | | 1741222 | 1402490 |
| 5.122 | | 35598 | 20557 |
| 5.152 | | 75531 | 64237 |
| 5.22 | | 8898 | 6152 |
| 5.298 | | 196570 | 207573 |
| 5.34 | | 1687035 | 1778570 |
| 5.439 | | 7169 | 7611 |
| 5.497 | | 218587 | 177190 |
| 5.527 | | 18079 | 10654 |
| 5.544 | | 67100 | 46804 |
| 5.589 | | 418370 | 334794 |
| 5.614 | | 146989 | 109919 |
| 5.662 | | 17464 | 15084 |
| 5.697 | | 104935 | 82478 |
| 5.724 | | 263910 | 209821 |
| 5.756 | | 11938 | 9159 |
| 5.801 | | 3970 | 4089 |
| 5.924 | | 71539 | 65956 |
| 6.062 | | 25443 | 18143 |
| 6.083 | DCB | 29343 | 21512 |
| 6.121 | | 71740 | 66954 |
| 6.213 | | 8104 | 6915 |
| 6.259 | | 2320 | 1764 |
| 7.524 | | 2571 | 3903 |
| 8.163 | | 10105 | 18952 |

9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0086.RAW

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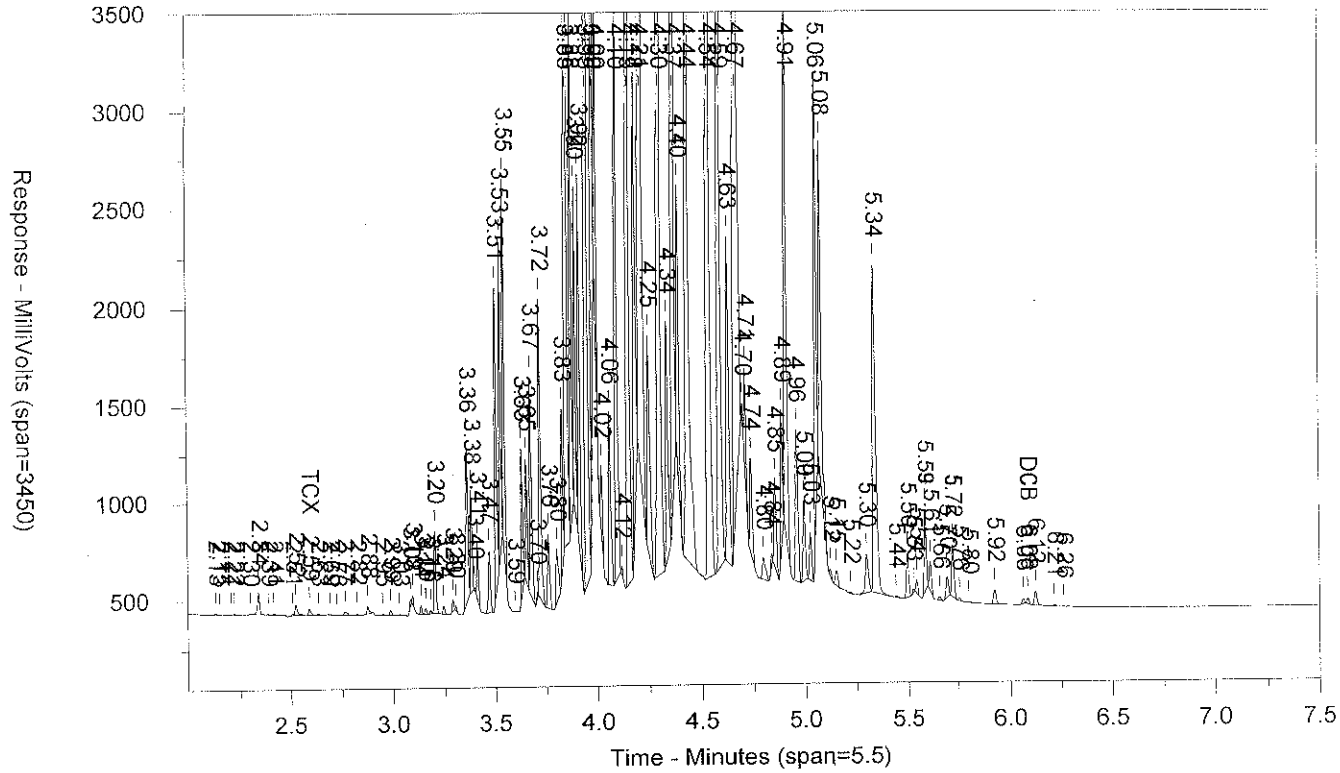


LANCASTER LABORATORIES

Sample Number: 9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 11:14:32 AM
Sample Weight: 10.08
Instrument ID: CP7-19843A
Dilution Factor: 5000
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: 8
Calibration Type: external
Quantitation: Height

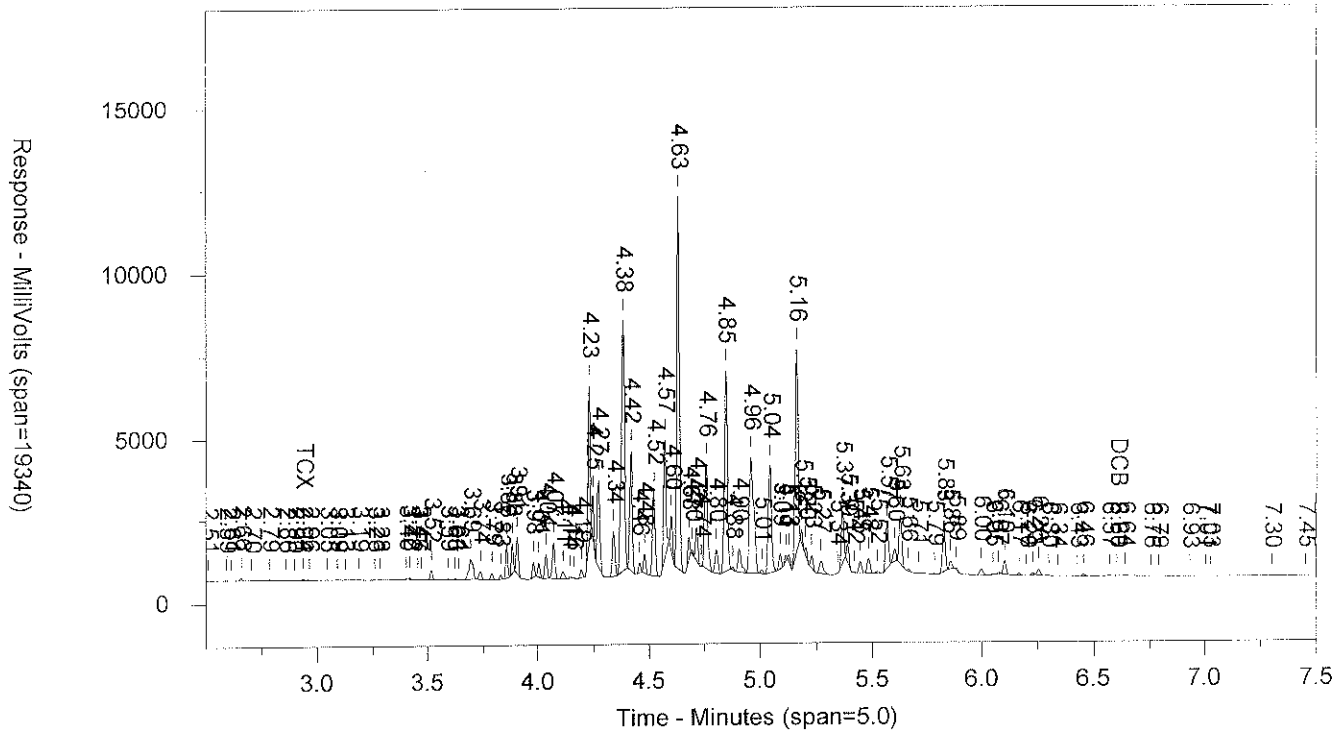
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 21897 | 39.624 | TCX | 2.591 | 33510 | 40.099 | TCX |
| 6.602 | 14686 | 36.102 | DCB | 6.083 | 29343 | 38.449 | DCB |

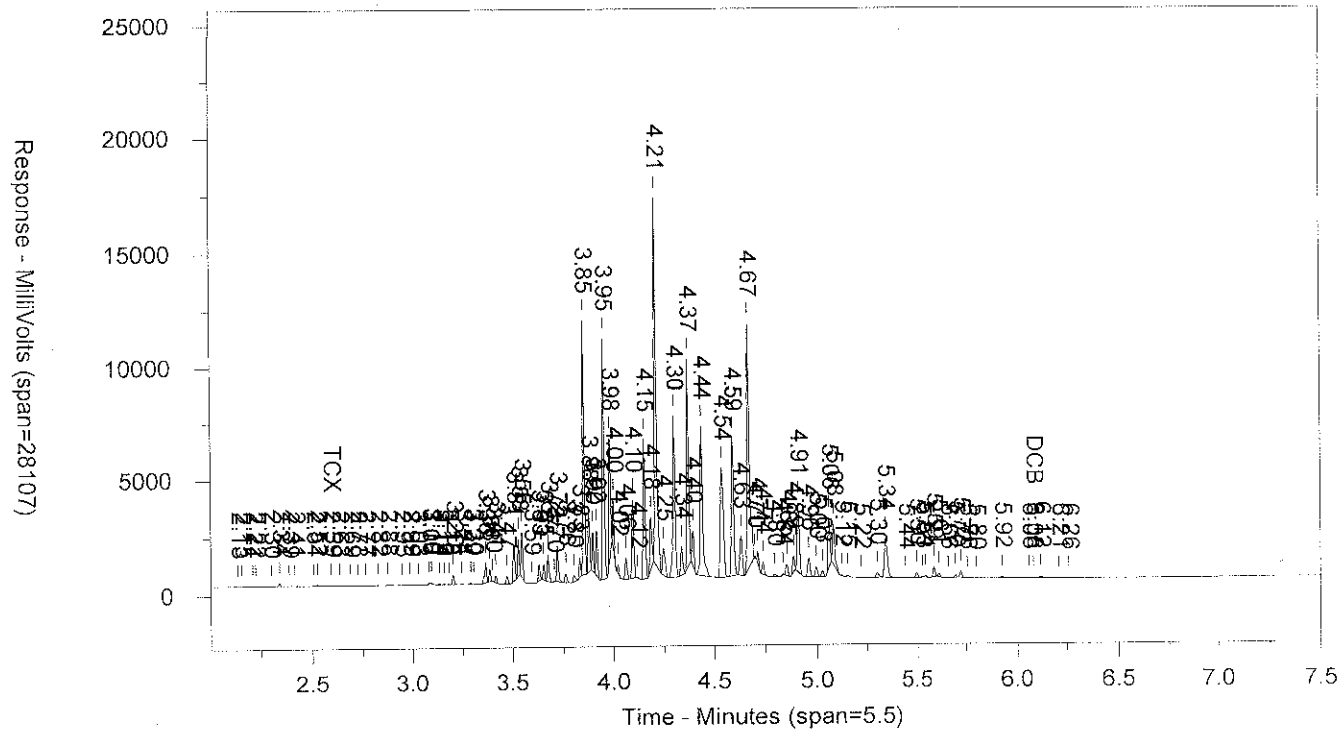
Files:
Area File: 07PCBS17284001.0086.RAW
Area File: 07PCBS17284001B.0086.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:23:13 AM
File Reported On: 10/12/2017 at 11:23:24 AM

9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0086.RAW

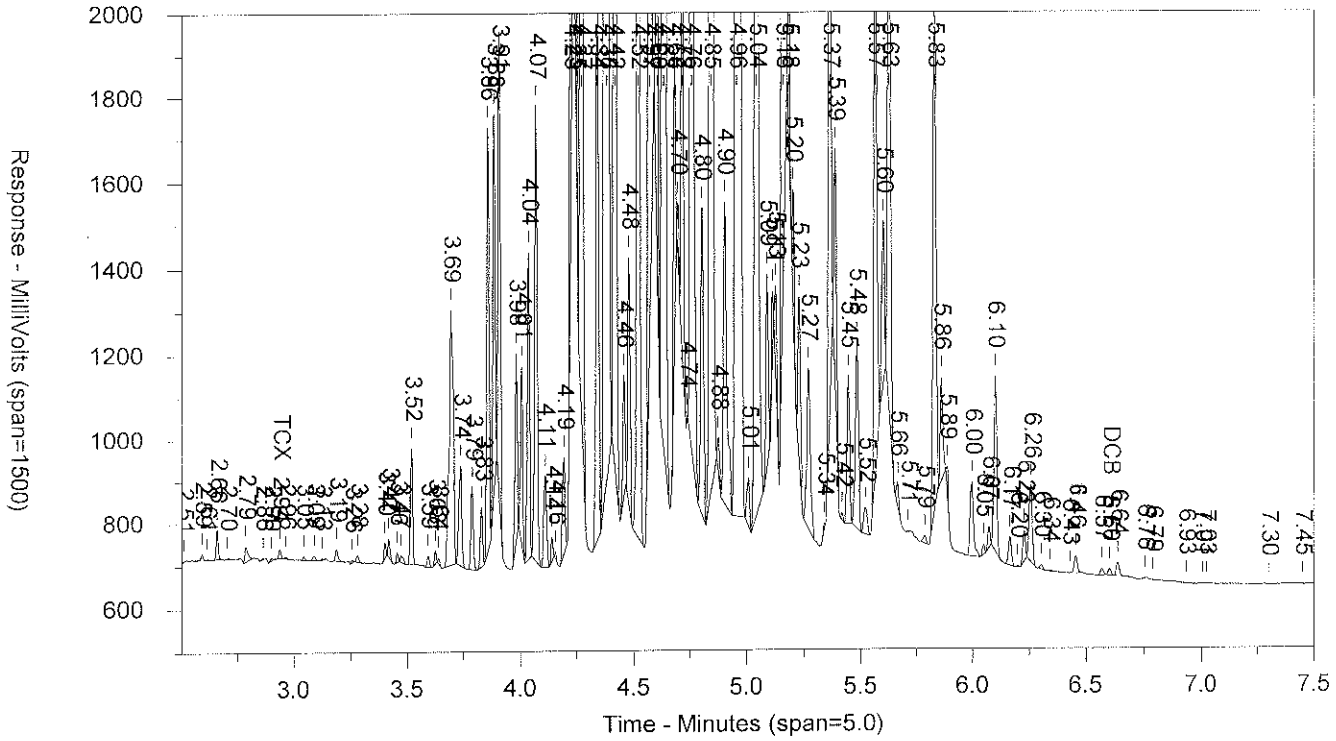



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0086.RAW

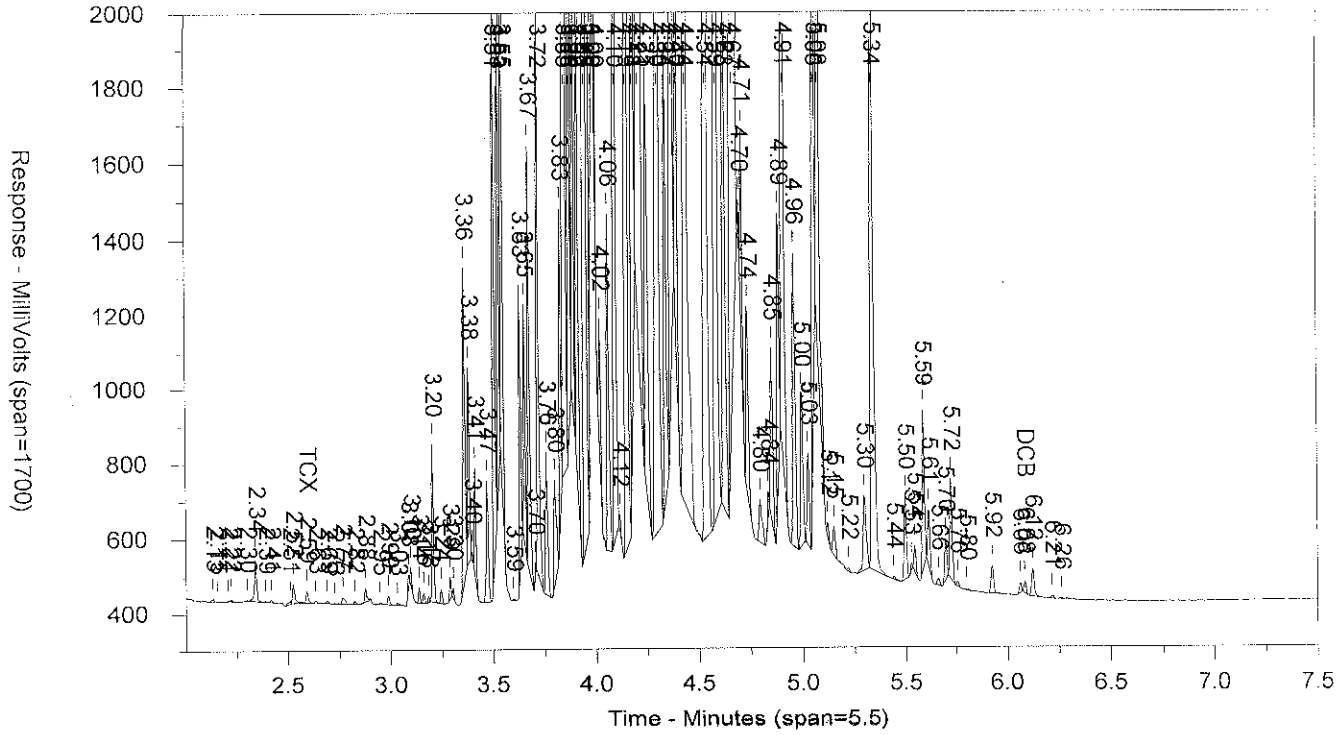


9229477 ACF DF500 AD99A08 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0086.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0086.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229478** ACF DF200 99A09 Sample ID: AD **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:11:34 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0049.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) * 45% ( 61 - 152 ) Conc: 13.56224
%SSR(DCB) 71% ( 48 - 164 ) Conc: 18.83756

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:11:34 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0049.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) * 46% ( 61 - 152 ) Conc: 13.76858
%SSR(DCB) 87% ( 48 - 164 ) Conc: 23.16758

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 18979 | 13.56224 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 29137 | 13.76858 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 19405 | 18.83756 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 44772 | 23.16758 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 13.76858 | | | | 1.51 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 13.56224 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 13.76858 | | | | | |
| ☐ | Decachlorobiphenyl | B | 23.16758 | | | | 20.62 | |
| ☑ | Decachlorobiphenyl-D1 | A | 18.83756 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 23.16758 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **23.48** | |
| 4.21 | 4.23 | 4.25 | 1138492 | 28712.28022 | | | 1 |
| 4.32 | 4.34 | 4.36 | 598591.7 | 45226.902018 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1134563 | 25875.778356 | | | 3 |
| 4.61 | 4.63 | 4.65 | 3563868 | 40771.955471 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1153189 | 37765.612338 | | | 5 |
| 5.14 | 5.16 | 5.18 | 2350552 | 47970.957414 | | | 6 |

Height summation: **9939255.7**
Concentration CF: **37720.58097** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **15.19** | |
| 4.19 | 4.21 | 4.23 | 4770870 | 41069.905025 | | | 1 |
| 4.28 | 4.30 | 4.32 | 2411564 | 42941.935202 | | | 2 |
| 4.35 | 4.37 | 4.39 | 2911958 | 44946.731801 | | | 3 |
| 4.42 | 4.44 | 4.46 | 2557628 | 55596.045084 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1766882 | 35228.809504 | | | 5 |
| 4.65 | 4.67 | 4.69 | 3868268 | 46382.921692 | | | 6 |

Height summation: **18287170**
Concentration CF: **44361.058051** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <9990.2061 | <1939.2753 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <9990.2061 | <2997.0618 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <9990.2061 | <2409.4026 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <9990.2061 | <2409.4026 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <9990.2061 | <1939.2753 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 37720.58097 | 9990.2061 | 2585.7004 | D1 | 16.18 | 4 | |
| ☑ | PCB-1260 | | | <9990.2061 | <2291.8708 | D1 | | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:56

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229478** ACF DF200 99A09 Sample ID: AD **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:11:34
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0049.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *45% (61-152) Conc.: 13.56224
%SSR(DCB) : 71% (48-164) Conc.: 18.83756

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 147.22 | |
| + 3.38 | 3.40 | 3.42 | 7613.415 | 295.832951 | | | 2 |
| 3.38 | 3.42 | 3.42 | 8225.441 | 319.614323 | | | 2 |
| 3.50 | 3.52 | 3.54 | 47785.4 | 1545.857047 | | | 3 |
| 3.71 | 3.74 | 3.75 | 52104.37 | 1387.13922 | | | 4 |
| 3.77 | 3.79 | 3.81 | 29353.64 | 887.719132 | | | 5 |
| 3.96 | 3.98 | 4.00 | 273350.1 | 10839.419268 | | | 6 |
| Height Summation: | | | **410818.951** | | | | |
| Amount Avg CF: | | | **2995.949798** | Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 155.81 | |
| + 3.38 | 3.40 | 3.42 | 7613.415 | 656.936764 | | | 2 |
| 3.38 | 3.42 | 3.42 | 8225.441 | 709.746492 | | | 2 |
| 3.50 | 3.52 | 3.54 | 47785.4 | 3395.211214 | | | 3 |
| 3.71 | 3.74 | 3.75 | 52104.37 | 3057.624557 | | | 4 |
| 3.77 | 3.79 | 3.81 | 29353.64 | 2106.803969 | | | 5 |
| 3.96 | 3.98 | 4.00 | 273350.1 | 28604.63313 | | | 6 |
| Height Summation: | | | **410818.951** | | | | |
| Amount Avg CF: | | | **7574.803872** | Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 147.69 | |
| + 3.38 | 3.40 | 3.42 | 7613.415 | 220.273073 | | | 2 |
| 3.38 | 3.42 | 3.42 | 8225.441 | 237.98035 | | | 2 |
| 3.50 | 3.52 | 3.54 | 47785.4 | 1160.637833 | | | 3 |
| 3.71 | 3.74 | 3.75 | 52104.37 | 1010.584712 | | | 4 |
| 3.77 | 3.79 | 3.81 | 29353.64 | 663.601982 | | | 5 |
| 3.96 | 3.98 | 4.00 | 273350.1 | 8114.894478 | | | 6 |
| Height Summation: | | | **410818.951** | | | | |
| Amount Avg CF: | | | **2237.539871** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 97.78 | |
| 3.71 | 3.74 | 3.75 | 52104.37 | 3112.083336 | | | 1 |
| 3.77 | 3.79 | 3.81 | 29353.64 | 1602.369391 | | | 2 |
| 3.84 | 3.86 | 3.88 | 515608.6 | 16440.981788 | | | 3 |
| 3.96 | 3.98 | 4.00 | 273350.1 | 7769.776459 | | | 4 |
| 4.05 | 4.07 | 4.09 | 270120.2 | 8481.96024 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1138492 | 32166.02701 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 446648.3 | 12619.2378 | | | 6 |
| Height Summation: | | | **2279028.91** | | | | |
| Amount Avg CF: | | | **11595.533037** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 23.48 | |
| 4.21 | 4.23 | 4.25 | 1138492 | 28712.28022 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 446648.3 | 11264.278668 | | | 1 |
| 4.32 | 4.34 | 4.36 | 598591.7 | 45226.902018 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1134563 | 25875.778356 | | | 3 |
| 4.61 | 4.63 | 4.65 | 3563868 | 40771.955471 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1153189 | 37765.612338 | | | 5 |
| 5.14 | 5.16 | 5.18 | 2350582 | 47970.957414 | | | 6 |
| Height Summation: | | | **9939255.7** | | | | |
| Amount Avg CF: | | | **37720.58097** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:11:34
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0049.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : *46% (61-152) Conc.: 13.76858
%SSR(DCB) : 87% (48-164) Conc.: 23.16758

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 123.87 | |
| 2.86 | 2.89 | 2.90 | 12042.69 | 336.984473 | | | 1 |
| 3.19 | 3.20 | 3.23 | 66577.36 | 1485.077219 | | | 2 |
| 3.38 | 3.38 | 3.42 | 135611.4 | 2939.354454 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 60976.04 | 1321.645487 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43674.37 | 892.475057 | | | 4 |
| 3.51 | 3.53 | 3.55 | 631614.2 | 17123.649391 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 525816.8 | 14255.383314 | | | 5 |
| 3.61 | 3.63 | 3.65 | 393844 | 9420.287759 | | | 6 |
| Height Summation: | | | **1283364.02** | | | | |
| Amount Avg CF: | | | **5366.304725** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 11.07 | |
| 2.74 | 2.76 | 2.78 | 5857.783 | 273.669102 | | | 1 |
| 2.86 | 2.89 | 2.90 | 12042.69 | 233.946838 | | | 3 |
| Height Summation: | | | **17900.473** | | | | |
| Amount Avg CF: | | | **253.80797** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 130.36 | |
| 2.86 | 2.89 | 2.90 | 12042.69 | 291.329653 | | | 1 |
| 3.19 | 3.20 | 3.23 | 66577.36 | 3243.989646 | | | 2 |
| 3.38 | 3.38 | 3.42 | 135611.4 | 6556.672441 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 60976.04 | 2948.129147 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43674.37 | 2088.798964 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 631614.2 | 44645.68145 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 525816.8 | 37167.386917 | | | 5 |
| 3.61 | 3.63 | 3.65 | 393844 | 23800.224776 | | | 6 |
| Height Summation: | | | **1283364.02** | | | | |
| Amount Avg CF: | | | **13437.782821** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 125.86 | |
| 2.86 | 2.89 | 2.90 | 12042.69 | 237.42775 | | | 1 |
| 3.19 | 3.20 | 3.23 | 66577.36 | 1074.096884 | | | 2 |
| 3.38 | 3.38 | 3.42 | 135611.4 | 2189.652569 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 60976.04 | 984.551023 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43674.37 | 644.035127 | | | 4 |
| 3.51 | 3.53 | 3.55 | 631614.2 | 13164.280606 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 525816.8 | 10959.221472 | | | 5 |
| 3.61 | 3.63 | 3.65 | 393844 | 7043.952439 | | | 6 |
| Height Summation: | | | **1283364.02** | | | | |
| Amount Avg CF: | | | **4058.907562** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229478** ACF DF200 99A09 Sample ID: AD **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:11:34
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0049.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | **6** | **64.12** | |
| 4.74 | 4.76 | 4.78 | 1249800 | 21118.133987 | | | 1 |
| 4.94 | 4.95 | 4.98 | 1532684 | 25613.953813 | | | 2 |
| 5.14 | 5.16 | 5.18 | 2350552 | 32308.578282 | | | 3 |
| 5.37 | 5.39 | 5.41 | 300061.7 | 7454.1246 | | | 4 |
| 5.61 | 5.62 | 5.65 | 850627.8 | 6783.520175 | | | 5 |
| 5.81 | 5.83 | 5.85 | 728786.3 | 8560.569876 | | | 6 |
| Height Summation: | | | **7012511.8** | | | | |
| Amount Avg CF: | | | **16973.146789** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **56.80** | |
| 5.21 | 5.23 | 5.25 | 251171.9 | 3277.567729 | | | 1 |
| 5.37 | 5.39 | 5.41 | 300061.7 | 5485.06363 | | | 2 |
| 5.61 | 5.62 | 5.65 | 850627.8 | 5842.775227 | | | 3 |
| 5.81 | 5.83 | 5.85 | 728786.3 | 6449.336818 | | | 4 |
| 5.87 | 5.88 | 5.91 | 34971.18 | 614.283265 | | | 5 |
| 6.24 | 6.26 | 6.28 | 138393.5 | 2434.804559 | | | 6 |
| Height Summation: | | | **2304012.38** | | | | |
| Amount Avg CF: | | | **4017.305205** | Linear: | | | |
| **Aroclor-1268** | | | | | **5** | **96.70** | |
| 5.81 | 5.83 | 5.85 | 728786.3 | 3330.58389 | | | 1 |
| 5.87 | 5.88 | 5.91 | 34971.18 | 181.358671 | | | 2 |
| + 6.06 | 6.07 | 6.10 | 26287.86 | 617.138077 | | | 4 |
| 6.06 | 6.10 | 6.10 | 206609 | 4850.386488 | | | 4 |
| 6.23 | 6.26 | 6.27 | 138393.5 | 2225.852746 | | | 5 |
| 6.43 | 6.46 | 6.47 | 24799.66 | 55.92824 | | | 6 |
| Height Summation: | | | **1133559.64** | | | | |
| Amount Avg CF: | | | **2128.822007** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:11:34
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0049.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | **6** | **95.90** | |
| 3.38 | 3.38 | 3.42 | 135611.4 | 7220.377992 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 60976.04 | 3246.55639 | | | 1 |
| 3.45 | 3.47 | 3.49 | 43674.37 | 1569.807148 | | | 2 |
| 3.49 | 3.51 | 3.53 | 748246.2 | 15785.102275 | | | 3 |
| 3.61 | 3.63 | 3.65 | 393844 | 6992.420786 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 7547.19 | 185.129308 | | | 5 |
| 3.70 | 3.72 | 3.74 | 326861.5 | 8017.771271 | | | 5 |
| 3.84 | 3.85 | 3.88 | 2683302 | 34835.544338 | | | 6 |
| Height Summation: | | | **4331539.47** | | | | |
| Amount Avg CF: | | | **12403.503968** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **15.19** | |
| 4.19 | 4.21 | 4.23 | 4770870 | 41069.905025 | | | 1 |
| 4.28 | 4.30 | 4.32 | 2411564 | 42941.935202 | | | 2 |
| 4.35 | 4.37 | 4.39 | 2911958 | 44946.731801 | | | 3 |
| 4.42 | 4.44 | 4.46 | 2557628 | 55596.045084 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1766882 | 35228.809504 | | | 5 |
| 4.65 | 4.67 | 4.69 | 3868268 | 46382.921692 | | | 6 |
| Height Summation: | | | **18287170** | | | | |
| Amount Avg CF: | | | **44361.058051** | Linear: | | | |
| **Aroclor-1260** | | | | | **6** | **76.17** | |
| 4.42 | 4.44 | 4.46 | 2557628 | 24288.500252 | | | 1 |
| 4.52 | 4.54 | 4.56 | 1657766 | 20976.098263 | | | 2 |
| 4.65 | 4.67 | 4.69 | 3868268 | 38739.498475 | | | 3 |
| 4.87 | 4.89 | 4.91 | 393774.1 | 5749.818982 | | | 4 |
| 5.06 | 5.08 | 5.10 | 989827.3 | 6157.291178 | | | 5 |
| 5.32 | 5.34 | 5.36 | 828823.7 | 7884.517989 | | | 6 |
| Height Summation: | | | **10296087.1** | | | | |
| Amount Avg CF: | | | **17299.287523** | Linear: | | | |
| **Aroclor-1262** | | | | | **6** | **56.36** | |
| + 4.68 | 4.70 | 4.72 | 100577.7 | 927.826182 | | | 1 |
| 4.68 | 4.71 | 4.72 | 139188.6 | 1284.010544 | | | 1 |
| 4.87 | 4.89 | 4.91 | 393774.1 | 3705.819257 | | | 2 |
| 5.06 | 5.08 | 5.10 | 989827.3 | 4664.27643 | | | 3 |
| 5.28 | 5.30 | 5.32 | 140705.8 | 1628.414489 | | | 4 |
| 5.33 | 5.34 | 5.36 | 828823.7 | 5919.336307 | | | 5 |
| 5.71 | 5.72 | 5.74 | 188078.6 | 2286.229211 | | | 6 |
| Height Summation: | | | **2680398.1** | | | | |
| Amount Avg CF: | | | **3248.014373** | Linear: | | | |
| **Aroclor-1268** | | | | | **5** | **109.39** | |
| 5.28 | 5.30 | 5.32 | 140705.8 | 569.897519 | | | 1 |
| 5.33 | 5.34 | 5.36 | 828823.7 | 3562.345513 | | | 2 |
| 5.48 | 5.50 | 5.52 | 92676.4 | 422.167312 | | | 3 |
| 5.70 | 5.72 | 5.74 | 188078.6 | 2045.514544 | | | 5 |
| 5.90 | 5.92 | 5.94 | 45811.84 | 63.545352 | | | 6 |
| Height Summation: | | | **1296096.34** | | | | |
| Amount Avg CF: | | | **1332.694048** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229478** ACF DF200 99A09 Sample ID: AD **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:11:34 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0049.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:11:34 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0049.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 9990.2061 | 1939.2753 | | ** 56.69 | 4 | 40 | |
| Aroclor-1221 | | | 9990.2061 | 2997.0618 | | | 3 | 40 | |
| Aroclor-1232 | | | 9990.2061 | 2409.4026 | | ** 55.80 | 4 | 40 | |
| Aroclor-1242 | | | 9990.2061 | 2409.4026 | | ** 57.85 | 4 | 40 | |
| Aroclor-1248 | | | 9990.2061 | 1939.2753 | | 6.73 | 4 | 40 | |
| Aroclor-1254 | | | 9990.2061 | 2585.7004 | | 16.18 | 4 | 40 | |
| Aroclor-1260 | | | 9990.2061 | 2291.8708 | | 1.90 | 4 | 40 | |
| Aroclor-1262 | | | 9990.2061 | 1939.2753 | | 21.18 | 4 | 40 | |
| Aroclor-1268 | | | 9990.2061 | 1939.2753 | | ** 46.00 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:11:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0049.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.581 | | 26457 | 29317 |
| 1.687 | | 13679 | 11698 |
| 1.733 | | 2024 | 629 |
| 2.05 | | 17050 | 29286 |
| 2.089 | | 4984 | 8038 |
| 2.21 | | 6429 | 4471 |
| 2.333 | | 6872 | 4192 |
| 2.504 | | 11749 | 19774 |
| 2.545 | | 3879 | 3610 |
| 2.659 | | 4480 | 4323 |
| 2.896 | | 7576 | 5300 |
| 2.936 | TCX | 18979 | 12181 |
| 3.26 | | 9517 | 7792 |
| 3.359 | | 1908 | 985 |
| 3.403 | | 7613 | 4340 |
| 3.42 | | 8225 | 4691 |
| 3.518 | | 47785 | 31708 |
| 3.594 | | 7214 | 5317 |
| 3.624 | | 8170 | 4375 |
| 3.694 | | 28705 | 15031 |
| 3.738 | | 52104 | 46621 |
| 3.789 | | 29354 | 20863 |
| 3.83 | | 35968 | 25527 |
| 3.857 | | 515609 | 365363 |
| 3.883 | | 451501 | 299948 |
| 3.905 | | 353537 | 237689 |
| 3.945 | | 912 | 235 |
| 3.98 | | 273350 | 197776 |
| 4.004 | | 177257 | 121117 |
| 4.036 | | 275938 | 208551 |
| 4.069 | | 270120 | 232011 |
| 4.111 | | 49540 | 46408 |
| 4.141 | | 21001 | 12712 |
| 4.16 | | 4950 | 1965 |
| 4.171 | | 2981 | 1072 |
| 4.193 | | 74825 | 55022 |
| 4.228 | | 1138492 | 798736 |
| 4.246 | | 446648 | 252822 |
| 4.271 | | 996739 | 826453 |
| 4.34 | | 598592 | 483239 |
| 4.381 | | 2219651 | 2353008 |
| 4.416 | | 1276534 | 1020867 |
| 4.456 | | 143274 | 102938 |
| 4.479 | | 197377 | 142707 |
| 4.521 | | 804597 | 711409 |
| 4.57 | | 1134563 | 954554 |
| 4.601 | | 325445 | 204309 |
| 4.632 | | 3563868 | 3118974 |
| 4.681 | | 274547 | 195479 |
| 4.695 | | 59853 | 26826 |
| 4.716 | | 316362 | 211539 |
| 4.737 | | 7630 | 3080 |
| 4.757 | | 1249800 | 1201333 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.803 | | 301807 | 269711 |
| 4.844 | | 2167579 | 2012514 |
| 4.873 | | 25476 | 16411 |
| 4.903 | | 324527 | 339620 |
| 4.955 | | 1532684 | 2064662 |
| 5.006 | | 63133 | 51846 |
| 5.043 | | 1153189 | 1198882 |
| 5.089 | | 176084 | 132972 |
| 5.114 | | 34619 | 26961 |
| 5.126 | | 104481 | 67520 |
| 5.16 | | 2350553 | 2117029 |
| 5.182 | | 158268 | 77463 |
| 5.201 | | 102252 | 59265 |
| 5.226 | | 251172 | 194452 |
| 5.268 | | 199717 | 221069 |
| 5.366 | | 576853 | 488502 |
| 5.389 | | 300062 | 210383 |
| 5.421 | | 8504 | 3765 |
| 5.446 | | 190433 | 165354 |
| 5.483 | | 199581 | 199910 |
| 5.52 | | 24914 | 29835 |
| 5.565 | | 574880 | 524752 |
| 5.6 | | 150143 | 126833 |
| 5.625 | | 850628 | 793288 |
| 5.662 | | 21804 | 16558 |
| 5.711 | | 4198 | 1547 |
| 5.73 | | 15670 | 13628 |
| 5.766 | | 2612 | 1403 |
| 5.784 | | 5978 | 5699 |
| 5.829 | | 728786 | 684055 |
| 5.861 | | 112250 | 91533 |
| 5.885 | | 34971 | 24579 |
| 5.968 | | 2714 | 1269 |
| 5.996 | | 77177 | 77410 |
| 6.05 | | 10426 | 6947 |
| 6.073 | | 26288 | 18422 |
| 6.1 | | 206609 | 190355 |
| 6.164 | | 31603 | 32103 |
| 6.202 | | 4836 | 6962 |
| 6.227 | | 31638 | 24021 |
| 6.255 | | 138394 | 128882 |
| 6.3 | | 8239 | 7727 |
| 6.457 | | 24800 | 22531 |
| 6.481 | | 3768 | 3263 |
| 6.569 | | 6316 | 6486 |
| 6.603 | DCB | 19405 | 18141 |
| 6.639 | | 14308 | 13603 |
| 6.708 | | 1780 | 510 |
| 7.003 | | 1507 | 2099 |
| 7.144 | | 1153 | 355 |
| 7.182 | | 1850 | 831 |
| 7.266 | | 1116 | 582 |
| 7.335 | | 1461 | 907 |
| 7.399 | | 1525 | 691 |
| 7.508 | | 1650 | 551 |
| 7.635 | | 1690 | 442 |
| 7.655 | | 1411 | 495 |
| 7.677 | | 1224 | 1039 |
| 7.814 | | 1320 | 665 |
| 8.043 | | 1267 | 695 |
| 8.093 | | 1313 | 1546 |
| 8.242 | | 1417 | 536 |
| 8.305 | | 1649 | 450 |
| 8.351 | | 1205 | 927 |
| 8.446 | | 1800 | 503 |
| 8.469 | | 1052 | 642 |

LANCASTER LABORATORIES

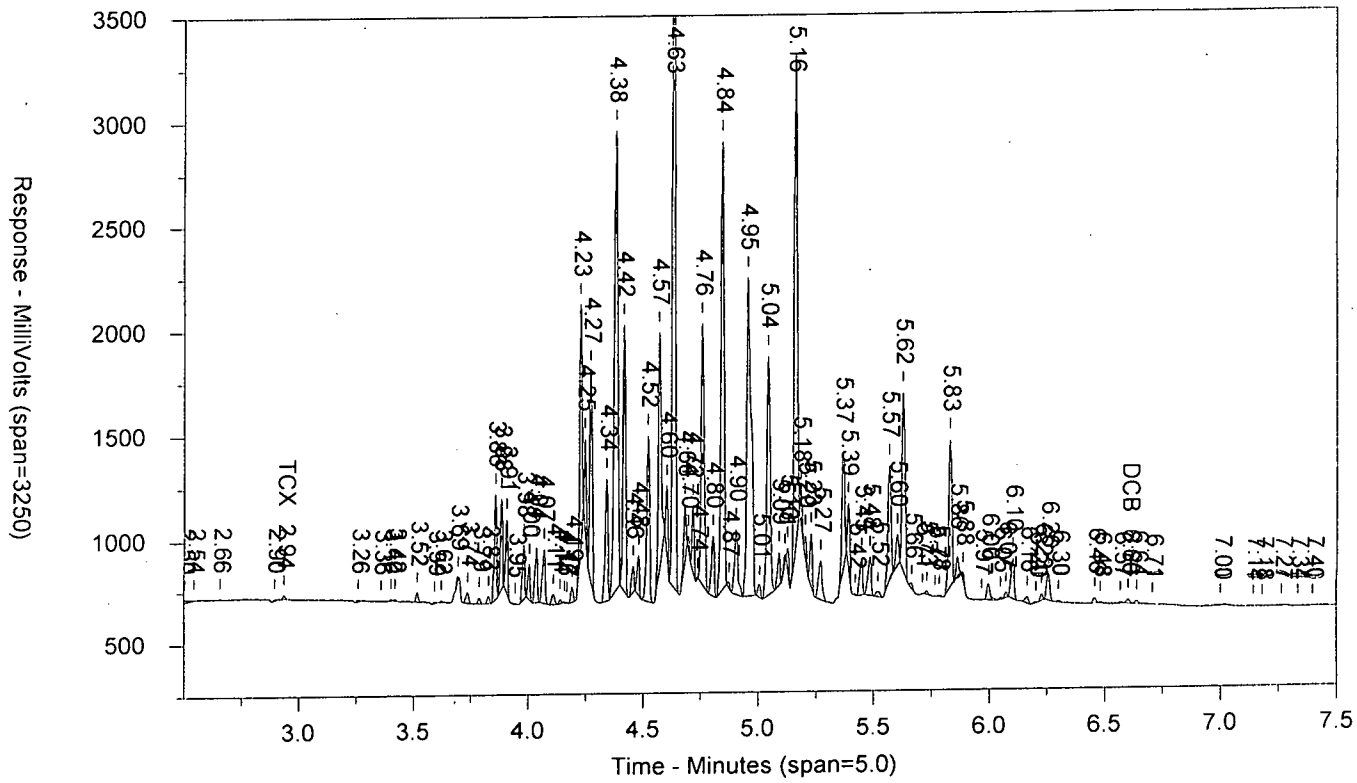
Sample Number: 9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:11:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0049.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.557 | | 2873 | 2746 |
| 1.771 | | 5974 | 4557 |
| 1.819 | | 4833 | 8769 |
| 1.849 | | 7630 | 12493 |
| 1.9 | | 17336 | 17892 |
| 1.932 | | 14103 | 15021 |
| 1.971 | | 7889 | 21141 |
| 2.155 | | 4156 | 7324 |
| 2.209 | | 3464 | 6698 |
| 2.311 | | 2794 | 3796 |
| 2.339 | | 5479 | 3765 |
| 2.49 | | 4622 | 9394 |
| 2.552 | | 2308 | 2583 |
| 2.591 | TCX | 29137 | 18272 |
| 2.678 | | 2882 | 5176 |
| 2.764 | | 5858 | 6518 |
| 2.799 | | 3855 | 7408 |
| 2.889 | | 12043 | 12853 |
| 2.99 | | 2141 | 2060 |
| 3.086 | | 6669 | 3857 |
| 3.134 | | 2858 | 1443 |
| 3.155 | | 2985 | 2335 |
| 3.182 | | 3122 | 1628 |
| 3.204 | | 66577 | 43013 |
| 3.245 | | 8266 | 6482 |
| 3.289 | | 11773 | 6415 |
| 3.306 | | 10160 | 5907 |
| 3.363 | | 150652 | 117486 |
| 3.383 | | 135611 | 78874 |
| 3.413 | | 60976 | 33032 |
| 3.47 | | 43674 | 34141 |
| 3.506 | | 748246 | 459182 |
| 3.528 | | 631614 | 343549 |
| 3.546 | | 525817 | 291758 |
| 3.595 | | 3223 | 2904 |
| 3.631 | | 393844 | 234481 |
| 3.653 | | 230455 | 123885 |
| 3.674 | | 372702 | 251228 |
| 3.704 | | 7547 | 3624 |
| 3.72 | | 326862 | 221604 |
| 3.759 | | 83079 | 66390 |
| 3.801 | | 79486 | 64679 |
| 3.831 | | 172498 | 101400 |
| 3.853 | | 2683302 | 1737576 |
| 3.877 | | 908277 | 526095 |
| 3.896 | | 470799 | 252517 |
| 3.916 | | 717832 | 444101 |
| 3.951 | | 2923738 | 2039049 |
| 3.982 | | 1528903 | 946670 |
| 3.999 | | 436383 | 211351 |
| 4.022 | | 178888 | 102361 |
| 4.06 | | 305896 | 217529 |
| 4.094 | | 975782 | 682080 |
| 4.15 | | 1758358 | 1284502 |

| | | | |
|---|---|---|---|
| 4.183 | | 582487 | 442639 |
| 4.211 | | 4770871 | 3679556 |
| 4.248 | | 395944 | 357531 |
| 4.302 | | 2411564 | 2002974 |
| 4.339 | | 450587 | 348872 |
| 4.371 | | 2911959 | 2097254 |
| 4.395 | | 571949 | 378396 |
| 4.438 | | 2557629 | 2198679 |
| 4.535 | | 1657766 | 1805204 |
| 4.588 | | 1766882 | 1440972 |
| 4.628 | | 678334 | 582769 |
| 4.667 | | 3868268 | 3584747 |
| 4.698 | | 100578 | 38349 |
| 4.712 | | 139189 | 70972 |
| 4.737 | | 257477 | 195248 |
| 4.795 | | 41691 | 52007 |
| 4.836 | | 32366 | 19527 |
| 4.854 | | 185586 | 135125 |
| 4.886 | | 393774 | 271886 |
| 4.909 | | 1044675 | 808010 |
| 4.96 | | 397324 | 338754 |
| 4.996 | | 193383 | 159208 |
| 5.026 | | 120425 | 90525 |
| 5.059 | | 722743 | 528229 |
| 5.081 | | 989827 | 784516 |
| 5.122 | | 22232 | 13091 |
| 5.153 | | 40736 | 35228 |
| 5.218 | | 9755 | 7471 |
| 5.252 | | 5410 | 3449 |
| 5.297 | | 140706 | 131975 |
| 5.34 | | 828824 | 895565 |
| 5.411 | | 5251 | 3919 |
| 5.439 | | 3787 | 4617 |
| 5.497 | | 92676 | 78145 |
| 5.526 | | 8207 | 4997 |
| 5.543 | | 36269 | 24680 |
| 5.589 | | 192977 | 147996 |
| 5.614 | | 93953 | 73065 |
| 5.657 | | 10520 | 11404 |
| 5.697 | | 45614 | 34397 |
| 5.724 | | 188079 | 158280 |
| 5.754 | | 8787 | 7224 |
| 5.802 | | 5460 | 5622 |
| 5.924 | | 45812 | 44756 |
| 6.062 | | 7146 | 4814 |
| 6.083 | DCB | 44772 | 36604 |
| 6.12 | | 32824 | 28961 |
| 6.214 | | 3312 | 2925 |
| 6.51 | | 2132 | 1584 |
| 6.717 | | 1222 | 1006 |
| 7.384 | | 873 | 1229 |
| 8.005 | | 1764 | 7312 |
| 8.167 | | 9116 | 18311 |
| 8.516 | | 1228 | 1356 |

9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0049.RAW

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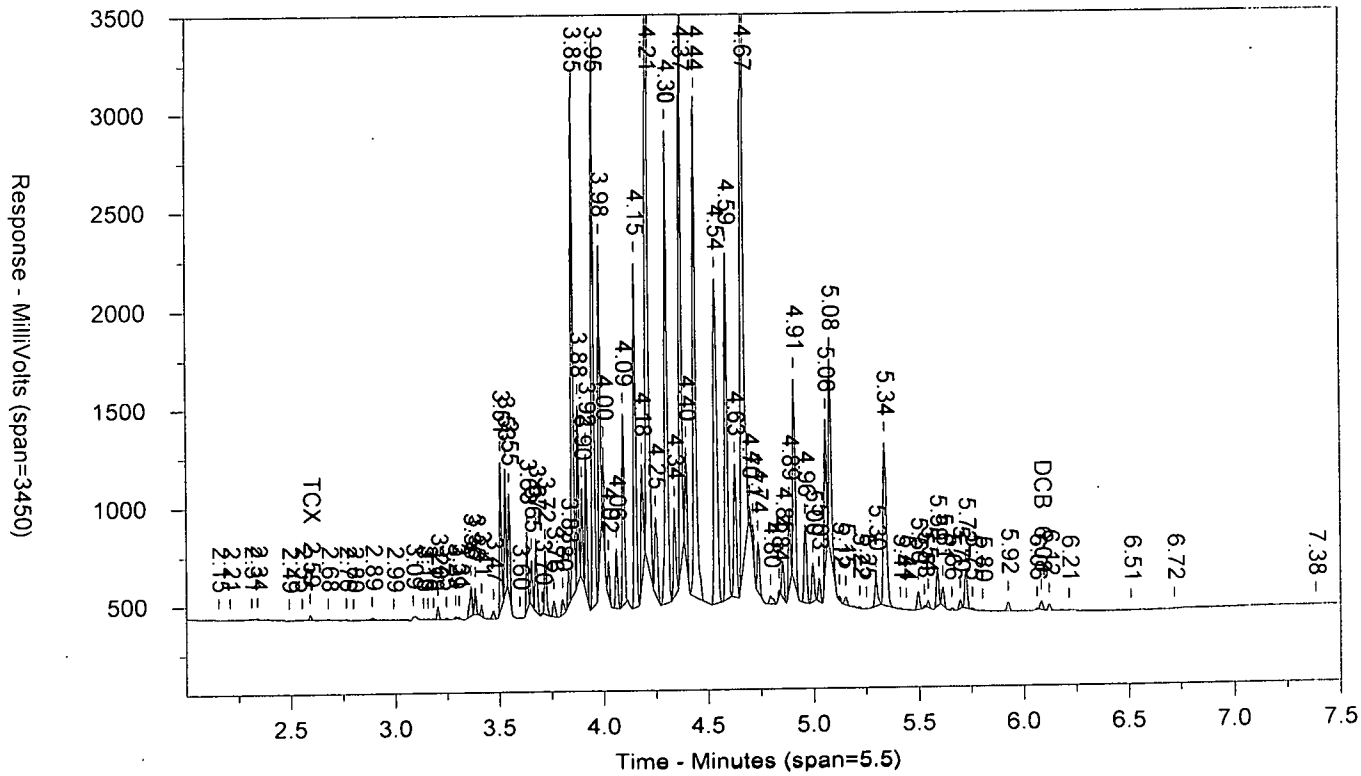


LANCASTER LABORATORIES

Sample Number: 9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:11:34 AM
Sample Weight: 10.21
Dilution Factor: 2000
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

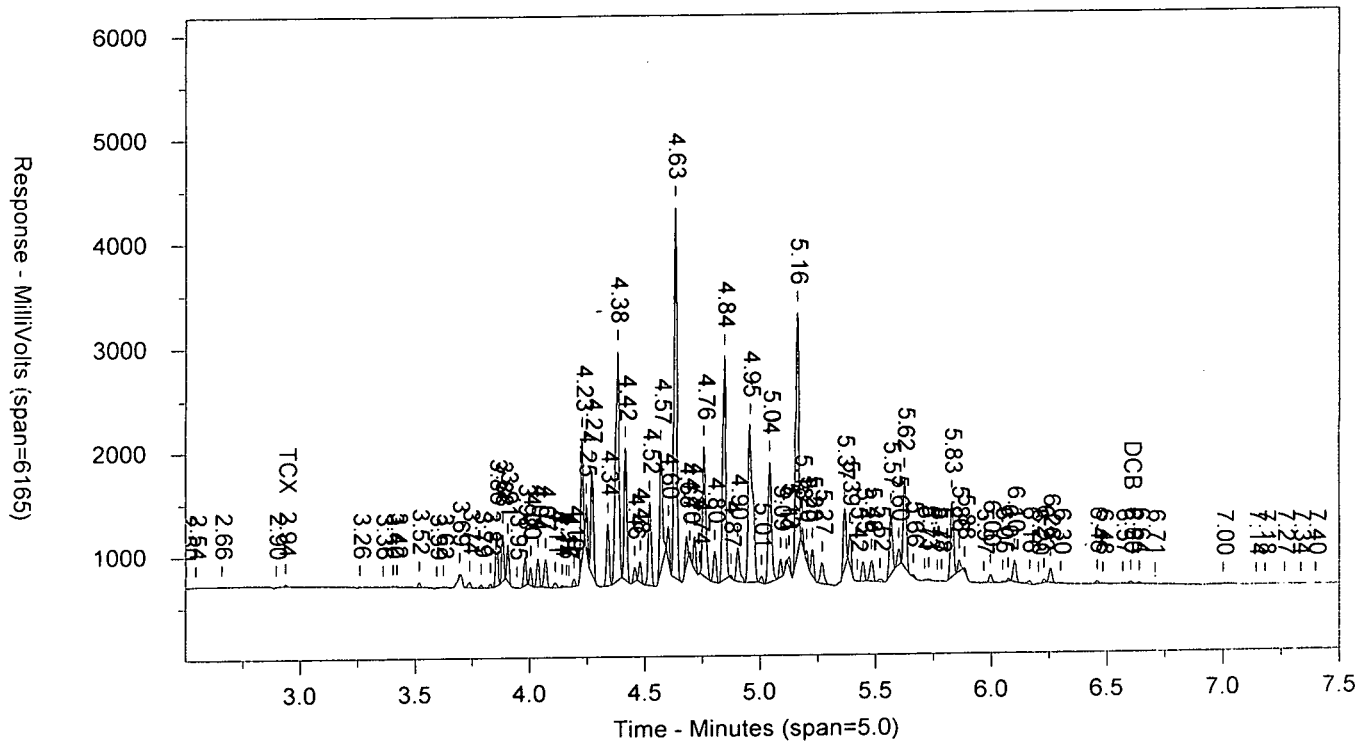
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 18979 | 13.562 | TCX | 2.591 | 29137 | 13.769 | TCX |
| 6.603 | 19405 | 18.838 | DCB | 6.083 | 44772 | 23.168 | DCB |

Files:
Area File: 07PCBS17284001.0049.RAW
Area File: 07PCBS17284001B.0049.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:30:26 AM

9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0049.RAW

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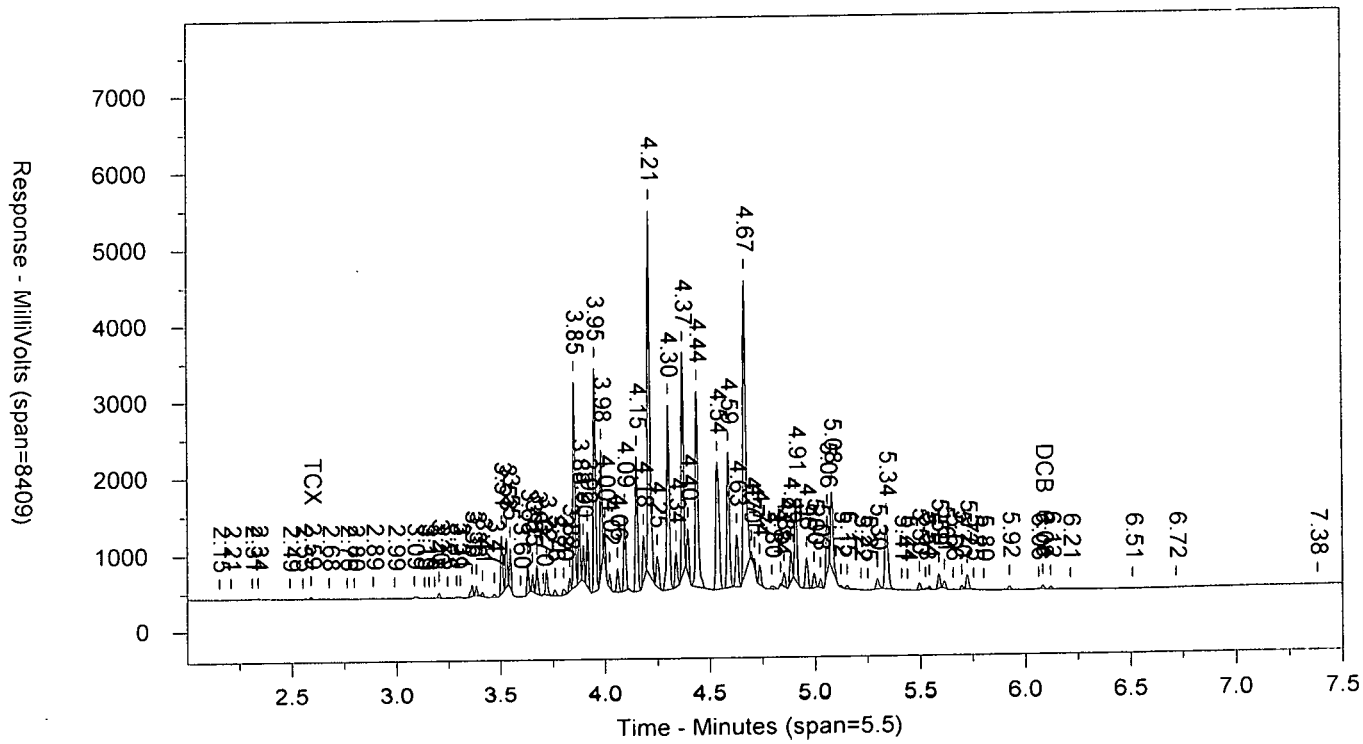

**9229478 ACF DF200 AD99A09 T 172820028A 10225 SW-846 8082**

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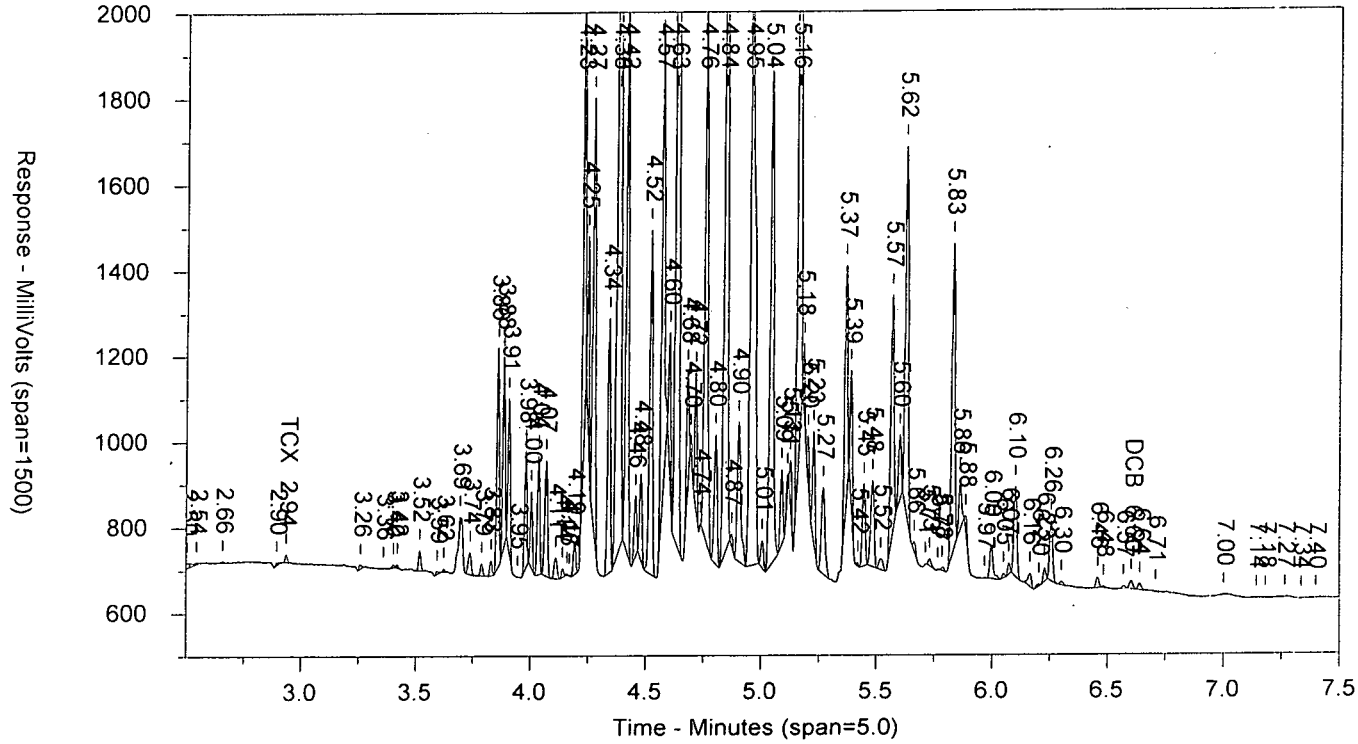


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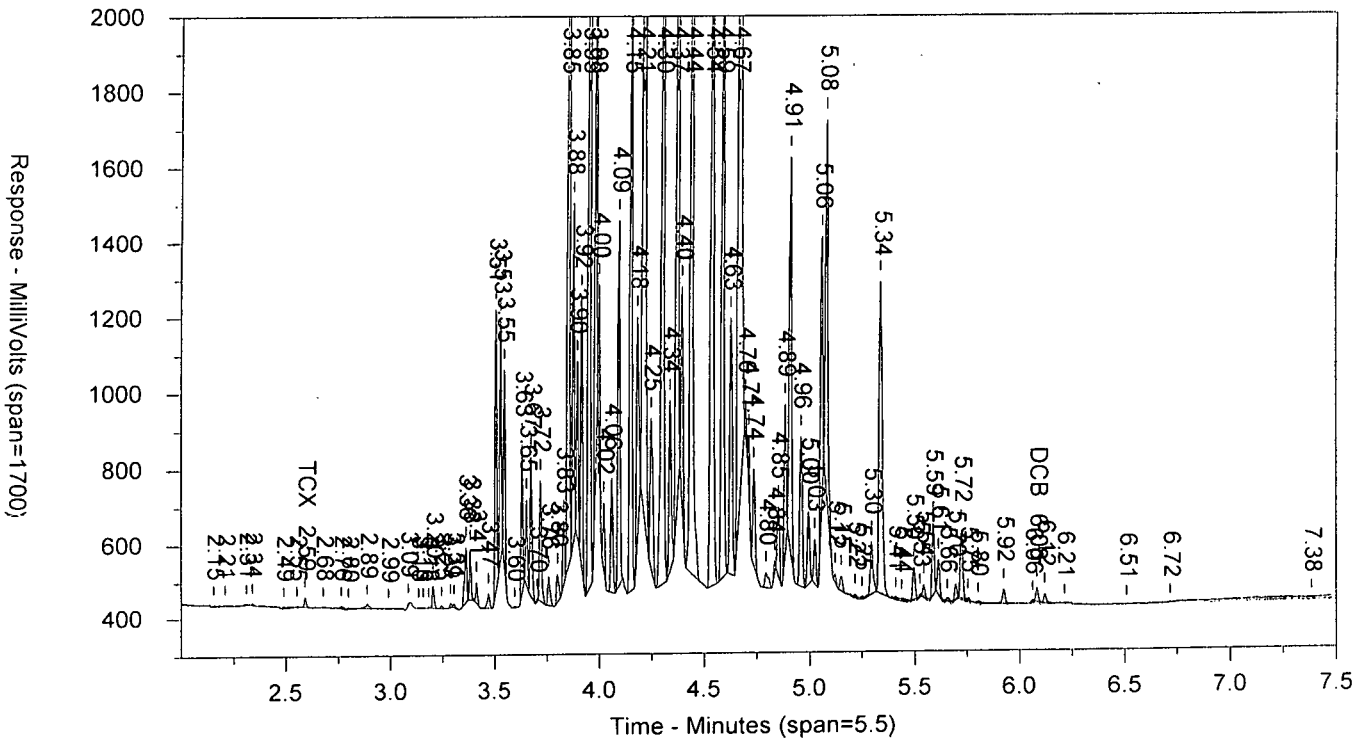

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# Data Summary

**Sample Name: 9229479** ACF DF50 99A10 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:34:32 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0051.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 111% ( 61 - 152 ) Conc: 33.08389
%SSR(DCB) 135% ( 48 - 164 ) Conc: 35.92089

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:34:32 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0051.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 107% ( 61 - 152 ) Conc: 31.99549
%SSR(DCB) 122% ( 48 - 164 ) Conc: 32.53333

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 185188 | 33.08389 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 148010 | 35.92089 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 270831 | 31.99549 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 251486 | 32.53333 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 33.08389 | | | | 3.34 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 33.08389 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 31.99549 | | | | | |
| ☐ | Decachlorobiphenyl | A | 35.92089 | | | | 9.90 | |
| ☑ | Decachlorobiphenyl-D1 | A | 35.92089 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 32.53333 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **34.54** | |
| 4.21 | 4.23 | 4.25 | 1507965 | 9507.557726 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1024069 | 19343.514253 | | | 2 |
| 4.61 | 4.63 | 4.65 | 6467522 | 18497.705232 | | | 4 |
| Height summation: | | | **8999556** | | | | |
| Concentration | | CF: | **15782.925737** | L: | | | |
| **Aroclor-1260** | | | | | | **4.50** | |
| 5.37 | 5.39 | 5.41 | 731675.4 | 4544.065102 | | | 4 |
| 5.61 | 5.62 | 5.65 | 2376337 | 4737.656699 | | | 5 |
| 5.81 | 5.83 | 5.85 | 1692792 | 4971.026555 | | | 6 |
| Height summation: | | | **4800804.4** | | | | |
| Concentration | | CF: | **4750.916119** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **4.59** | |
| 4.19 | 4.21 | 4.23 | 8391457 | 18059.407509 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4446130 | 19792.697432 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4941516 | 19068.354896 | | | 3 |
| Height summation: | | | **17779103** | | | | |
| Concentration | | CF: | **18973.486612** | L: | | | |
| **Aroclor-1260** | | | | | | **18.34** | |
| 4.87 | 4.89 | 4.91 | 1001460 | 3655.784953 | | | 4 |
| 5.06 | 5.08 | 5.10 | 2983937 | 4640.448128 | | | 5 |
| 5.32 | 5.34 | 5.36 | 2232470 | 5309.316648 | | | 6 |
| Height summation: | | | **6217867** | | | | |
| Concentration | | CF: | **4535.183243** | L: | | | |

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:58

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# Data Summary

**Sample Name: 9229479** ACF DF50 99A10 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:34:32 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0051.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:34:32 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0051.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2497.5515 | <484.8188 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <2497.5515 | <749.2655 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <2497.5515 | <602.3507 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <2497.5515 | <602.3507 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <2497.5515 | <484.8188 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 15782.925737 | 2497.5515 | 646.4251 | D1 | 18.36 | 4 | |
| ☑ | PCB-1260 | A | 4750.916119 | 2497.5515 | 572.9677 | D1 | 4.65 | 4 | |

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:58

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229479** ACF DF50 99A10 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0051.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 111% (61-152) Conc.: 33.08389
%SSR(DCB) : 135% (48-164) Conc.: 35.92089 Cm

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 157.89 | |
| 3.17 | 3.19 | 3.21 | 6217.904 | 63.320432 | | | 1 |
| 3.38 | 3.40 | 3.42 | 9865.835 | 95.838697 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 9743.622 | 94.651495 | | | 2 |
| 3.50 | 3.52 | 3.54 | 48619.44 | 393.209557 | | | 3 |
| 3.71 | 3.74 | 3.75 | 73664.5 | 490.279976 | | | 4 |
| 3.77 | 3.79 | 3.81 | 30157.56 | 228.007864 | | | 5 |
| 3.96 | 3.98 | 4.00 | 295898.7 | 2933.390248 | | | 6 |
| Height Summation: | | | **464423.939** | | | | |
| Amount Avg CF: | | | **700.674462** | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.17 | 3.19 | 3.21 | 6217.904 | 45.277617 | | | 3 |
| Height Summation: | | | **6217.904** | | | | |
| Amount Avg CF: | | | **45.277617** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 169.28 | |
| 3.17 | 3.19 | 3.21 | 6217.904 | 54.484639 | | | 1 |
| 3.38 | 3.40 | 3.42 | 9865.835 | 212.822686 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 9743.622 | 210.186346 | | | 2 |
| 3.50 | 3.52 | 3.54 | 48619.44 | 863.617694 | | | 3 |
| 3.71 | 3.74 | 3.75 | 73664.5 | 1080.707742 | | | 4 |
| 3.77 | 3.79 | 3.81 | 30157.56 | 541.125965 | | | 5 |
| 3.96 | 3.98 | 4.00 | 295898.7 | 7741.056028 | | | 6 |
| Height Summation: | | | **464423.939** | | | | |
| Amount Avg CF: | | | **1748.969126** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 158.59 | |
| 3.17 | 3.19 | 3.21 | 6217.904 | 45.493425 | | | 1 |
| 3.38 | 3.40 | 3.42 | 9865.835 | 71.360152 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 9743.622 | 70.476178 | | | 2 |
| 3.50 | 3.52 | 3.54 | 48619.44 | 295.223863 | | | 3 |
| 3.71 | 3.74 | 3.75 | 73664.5 | 357.187974 | | | 4 |
| 3.77 | 3.79 | 3.81 | 30157.56 | 170.444079 | | | 5 |
| 3.96 | 3.98 | 4.00 | 295898.7 | 2196.072662 | | | 6 |
| Height Summation: | | | **464423.939** | | | | |
| Amount Avg CF: | | | **522.630359** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 102.90 | |
| 3.71 | 3.74 | 3.75 | 73664.5 | 1099.956025 | | | 1 |
| 3.77 | 3.79 | 3.81 | 30157.56 | 411.563532 | | | 2 |
| 3.84 | 3.86 | 3.88 | 635321.2 | 5064.551037 | | | 3 |
| 3.96 | 3.98 | 4.00 | 295898.7 | 2102.675976 | | | 4 |
| 4.05 | 4.07 | 4.09 | 342812.7 | 2691.138696 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1507965 | 10651.204163 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 542238.8 | 3829.99351 | | | 6 |
| Height Summation: | | | **2885819.66** | | | | |
| Amount Avg CF: | | | **3670.181572** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0051.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 31.99549
%SSR(DCB) : 122% (48-164) Conc.: 32.53333

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 135.14 | |
| 2.86 | 2.89 | 2.90 | 6565.663 | 45.930903 | | | 1 |
| 3.19 | 3.20 | 3.23 | 91080.97 | 507.913928 | | | 2 |
| 3.38 | 3.38 | 3.42 | 137423.2 | 744.656229 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 8069.171 | 43.724484 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 77587.42 | 420.423594 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43649.29 | 222.990638 | | | 4 |
| 3.51 | 3.53 | 3.55 | 819254 | 5552.684795 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 692618 | 4694.379811 | | | 5 |
| 3.61 | 3.63 | 3.65 | 387237.2 | 2315.565208 | | | 6 |
| Height Summation: | | | **1485210.323** | | | | |
| Amount Avg CF: | | | **1564.95695** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 46.47 | |
| 2.74 | 2.76 | 2.78 | 7773.708 | 90.794746 | | | 1 |
| 2.80 | 2.81 | 2.84 | 3754.074 | 70.465319 | | | 2 |
| 2.86 | 2.89 | 2.90 | 6565.663 | 31.886898 | | | 3 |
| Height Summation: | | | **18093.445** | | | | |
| Amount Avg CF: | | | **64.382321** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 141.10 | |
| 2.86 | 2.89 | 2.90 | 6565.663 | 39.708162 | | | 1 |
| 3.19 | 3.20 | 3.23 | 91080.97 | 1109.482727 | | | 2 |
| 3.38 | 3.38 | 3.42 | 137423.2 | 1661.067779 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 8069.171 | 97.53404 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 77587.42 | 937.818094 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43649.29 | 521.899868 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 819254 | 14477.252534 | | | 5 |
| E+ 3.51 | 3.55 | 3.55 | 692618 | 12239.434529 | | | 5 |
| 3.61 | 3.63 | 3.65 | 387237.2 | 5850.242991 | | | 6 |
| Height Summation: | | | **1485210.323** | | | | |
| Amount Avg CF: | | | **3943.275677** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 137.27 | |
| 2.86 | 2.89 | 2.90 | 6565.663 | 32.361345 | | | 1 |
| 3.19 | 3.20 | 3.23 | 91080.97 | 367.353805 | | | 2 |
| 3.38 | 3.38 | 3.42 | 137423.2 | 554.72671 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 8069.171 | 32.572263 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 77587.42 | 313.191762 | | | 3 |
| 3.45 | 3.47 | 3.49 | 43649.29 | 160.916322 | | | 4 |
| 3.51 | 3.53 | 3.55 | 819254 | 4268.780509 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 692618 | 3608.934736 | | | 5 |
| 3.61 | 3.63 | 3.65 | 387237.2 | 1731.447235 | | | 6 |
| Height Summation: | | | **1485210.323** | | | | |
| Amount Avg CF: | | | **1185.930988** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229479** ACF DF50 99A10 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0051.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 41.73 | |
| 4.21 | 4.23 | 4.25 | 1507965 | 9507.557726 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 542238.8 | 3418.757526 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1024069 | 19343.514253 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1372073 | 7823.156765 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 32528.84 | 185.46988 | | | 3 |
| 4.61 | 4.63 | 4.65 | 6467522 | 18497.705232 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1975746 | 16184.039027 | | | 5 |
| 5.14 | 5.16 | 5.18 | 5136200 | 26205.379786 | | | 6 |
| Height Summation: | | | **17484575** | | | | |
| Amount Avg CF: | | | **16260.225465** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 58.69 | |
| 4.74 | 4.76 | 4.78 | 2450343 | 10350.990516 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3047831 | 12733.708068 | | | 2 |
| 5.14 | 5.16 | 5.18 | 5136200 | 17649.398926 | | | 3 |
| 5.37 | 5.39 | 5.41 | 731675.4 | 4544.065102 | | | 4 |
| 5.61 | 5.62 | 5.65 | 2376337 | 4737.656699 | | | 5 |
| 5.81 | 5.83 | 5.85 | 1692792 | 4971.026555 | | | 6 |
| Height Summation: | | | **15435178.4** | | | | |
| Amount Avg CF: | | | **9164.474311** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 47.42 | |
| 5.21 | 5.23 | 5.25 | 671505.9 | 2190.637236 | | | 1 |
| 5.37 | 5.39 | 5.41 | 731675.4 | 3343.717414 | | | 2 |
| 5.61 | 5.62 | 5.65 | 2376337 | 4080.634019 | | | 3 |
| 5.81 | 5.83 | 5.85 | 1692792 | 3745.057286 | | | 4 |
| 5.87 | 5.88 | 5.91 | 171316.1 | 752.309567 | | | 5 |
| 6.24 | 6.26 | 6.28 | 440363.8 | 1936.868039 | | | 6 |
| Height Summation: | | | **6083990.2** | | | | |
| Amount Avg CF: | | | **2674.870594** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 103.45 | |
| 5.81 | 5.83 | 5.85 | 1692792 | 1934.032571 | | | 1 |
| 5.87 | 5.88 | 5.91 | 171316.1 | 222.109035 | | | 2 |
| 6.00 | 6.02 | 6.04 | 9923.663 | 14.541954 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 71120.72 | 417.410398 | | | 4 |
| 6.06 | 6.10 | 6.10 | 440325.8 | 2584.290025 | | | 4 |
| 6.23 | 6.26 | 6.27 | 440363.8 | 1770.648501 | | | 5 |
| 6.43 | 6.45 | 6.47 | 76805.27 | 43.302847 | | | 6 |
| Height Summation: | | | **2831526.633** | | | | |
| Amount Avg CF: | | | **1094.820822** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0051.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 102.34 | |
| 3.38 | 3.38 | 3.42 | 137423.2 | 1829.210983 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 8069.171 | 107.407019 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 77587.42 | 1032.749643 | | | 1 |
| 3.45 | 3.47 | 3.49 | 43649.29 | 392.226422 | | | 2 |
| 3.49 | 3.51 | 3.53 | 883030.9 | 4657.1346 | | | 3 |
| 3.61 | 3.63 | 3.65 | 387237.2 | 1718.780435 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 13597.94 | 83.387897 | | | 5 |
| 3.70 | 3.72 | 3.74 | 403148.1 | 2472.262146 | | | 5 |
| 3.84 | 3.85 | 3.88 | 3264263 | 10594.444687 | | | 6 |
| Height Summation: | | | **5118751.69** | | | | |
| Amount Avg CF: | | | **3610.676545** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 23.46 | |
| 4.19 | 4.21 | 4.23 | 8391457 | 18059.407509 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4446130 | 19792.697432 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4941516 | 19068.354896 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5194916 | 28230.92179 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2883722 | 14374.204531 | | | 5 |
| 4.65 | 4.67 | 4.69 | 7909522 | 23710.013083 | | | 6 |
| Height Summation: | | | **33767263** | | | | |
| Amount Avg CF: | | | **20539.26654** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 66.28 | |
| 4.42 | 4.44 | 4.46 | 5194916 | 12333.372814 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3157446 | 9987.974412 | | | 2 |
| 4.65 | 4.67 | 4.69 | 7909522 | 19802.849457 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1001460 | 3655.784953 | | | 4 |
| 5.06 | 5.08 | 5.10 | 2983937 | 4640.448128 | | | 5 |
| 5.32 | 5.34 | 5.36 | 2232470 | 5309.316648 | | | 6 |
| Height Summation: | | | **22479751** | | | | |
| Amount Avg CF: | | | **9288.291069** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 50.68 | |
| 4.68 | 4.70 | 4.72 | 511172.9 | 1178.888561 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1001460 | 2356.192137 | | | 2 |
| 5.06 | 5.08 | 5.10 | 2983937 | 3515.236198 | | | 3 |
| 5.28 | 5.30 | 5.32 | 413987 | 1197.787208 | | | 4 |
| 5.33 | 5.34 | 5.36 | 2232470 | 3985.992656 | | | 5 |
| 5.71 | 5.72 | 5.74 | 593586.3 | 1803.865961 | | | 6 |
| Height Summation: | | | **7736613.2** | | | | |
| Amount Avg CF: | | | **2339.660453** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 109.52 | |
| 5.28 | 5.30 | 5.32 | 413987 | 419.190545 | | | 1 |
| 5.33 | 5.34 | 5.36 | 2232470 | 2398.83026 | | | 2 |
| 5.48 | 5.50 | 5.52 | 172979.8 | 196.993024 | | | 3 |
| 5.70 | 5.72 | 5.74 | 593586.3 | 1613.938813 | | | 5 |
| 5.90 | 5.92 | 5.94 | 140842.1 | 48.840326 | | | 6 |
| Height Summation: | | | **3553865.2** | | | | |
| Amount Avg CF: | | | **935.558594** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229479** ACF DF50 99A10 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.21 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0051.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 04:34:32
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0051.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2497.5515 | 484.8188 | | ** 76.30 | 4 | 40 | |
| Aroclor-1221 | | | 2497.5515 | 749.2655 | | 34.84 | 3 | 40 | |
| Aroclor-1232 | | | 2497.5515 | 602.3507 | | ** 77.10 | 4 | 40 | |
| Aroclor-1242 | | | 2497.5515 | 602.3507 | | ** 77.64 | 4 | 40 | |
| Aroclor-1248 | | | 2497.5515 | 484.8188 | | 1.63 | 4 | 40 | |
| Aroclor-1254 | | | 2497.5515 | 646.4251 | | 23.26 | 4 | 40 | |
| Aroclor-1260 | | | 2497.5515 | 572.9677 | | 1.34 | 4 | 40 | |
| Aroclor-1262 | | | 2497.5515 | 484.8188 | | 13.37 | 4 | 40 | |
| Aroclor-1268 | | | 2497.5515 | 484.8188 | | 15.69 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229479 ACF DF50 AC99A10 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:34:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0051.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.582 | | 37271 | 39891 |
| 1.688 | | 30875 | 26382 |
| 1.984 | | 1661 | 1019 |
| 2.051 | | 19842 | 29913 |
| 2.09 | | 7900 | 7587 |
| 2.144 | | 2507 | 1454 |
| 2.209 | | 14702 | 9460 |
| 2.333 | | 6234 | 3803 |
| 2.503 | | 5495 | 8807 |
| 2.658 | | 9742 | 8719 |
| 2.707 | | 2835 | 3549 |
| 2.899 | | 15588 | 13553 |
| 2.937 | TCX | 185188 | 134136 |
| 3.046 | | 4684 | 2503 |
| 3.187 | | 6218 | 5680 |
| 3.238 | | 8362 | 5685 |
| 3.257 | | 9847 | 6156 |
| 3.403 | | 9866 | 5587 |
| 3.42 | | 9744 | 4617 |
| 3.475 | | 4421 | 4672 |
| 3.522 | | 48619 | 35560 |
| 3.594 | | 10343 | 8108 |
| 3.625 | | 6871 | 3616 |
| 3.695 | | 153461 | 199055 |
| 3.738 | | 73665 | 64725 |
| 3.789 | | 30158 | 25727 |
| 3.829 | | 48568 | 35957 |
| 3.859 | | 635321 | 445284 |
| 3.884 | | 603816 | 402124 |
| 3.907 | | 468481 | 309795 |
| 3.981 | | 295899 | 210106 |
| 4.005 | | 221962 | 158378 |
| 4.036 | | 490071 | 366226 |
| 4.069 | | 342813 | 301504 |
| 4.113 | | 66739 | 61262 |
| 4.142 | | 52159 | 34844 |
| 4.159 | | 8685 | 4630 |
| 4.194 | | 112856 | 84646 |
| 4.229 | | 1507965 | 1022479 |
| 4.247 | | 542239 | 292255 |
| 4.272 | | 1589488 | 1368305 |
| 4.341 | | 1024069 | 849026 |
| 4.382 | | 3221641 | 3285884 |
| 4.417 | | 1963176 | 1621998 |
| 4.457 | | 297398 | 215833 |
| 4.48 | | 296151 | 211501 |
| 4.521 | | 1100915 | 973698 |
| 4.571 | | 1372073 | 1042369 |
| 4.588 | | 32529 | 9188 |
| 4.602 | | 504023 | 288312 |
| 4.633 | | 6467522 | 5453751 |
| 4.681 | | 565625 | 425283 |
| 4.697 | | 134662 | 57680 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.716 | | 437874 | 287630 |
| 4.758 | | 2450343 | 2377024 |
| 4.804 | | 547055 | 476642 |
| 4.844 | | 3816172 | 3430256 |
| 4.875 | | 49694 | 31277 |
| 4.904 | | 621819 | 614039 |
| 4.956 | | 3047831 | 3967333 |
| 5.007 | | 162834 | 135563 |
| 5.044 | | 1976746 | 2075198 |
| 5.09 | | 316641 | 239031 |
| 5.114 | | 98866 | 70101 |
| 5.126 | | 201434 | 128276 |
| 5.161 | | 5136201 | 4416948 |
| 5.183 | | 283015 | 145023 |
| 5.201 | | 170472 | 99664 |
| 5.227 | | 671506 | 547545 |
| 5.269 | | 518947 | 525532 |
| 5.343 | | 11923 | 9447 |
| 5.367 | | 1063010 | 877891 |
| 5.389 | | 731675 | 542859 |
| 5.42 | | 8578 | 3546 |
| 5.446 | | 462979 | 401377 |
| 5.483 | | 418211 | 408213 |
| 5.52 | | 46320 | 63732 |
| 5.565 | | 1019199 | 976701 |
| 5.599 | | 227458 | 199782 |
| 5.625 | | 2376337 | 2123208 |
| 5.662 | | 54134 | 41914 |
| 5.713 | | 13421 | 9859 |
| 5.73 | | 21419 | 18469 |
| 5.767 | | 4507 | 2609 |
| 5.787 | | 13868 | 11010 |
| 5.83 | | 1692792 | 1657005 |
| 5.861 | | 226178 | 167196 |
| 5.884 | | 171316 | 166969 |
| 5.973 | | 4731 | 2676 |
| 5.996 | | 132011 | 115216 |
| 6.019 | | 9924 | 6000 |
| 6.049 | | 17675 | 11950 |
| 6.072 | | 71121 | 51196 |
| 6.099 | | 440326 | 414334 |
| 6.149 | | 3409 | 1771 |
| 6.164 | | 41846 | 33825 |
| 6.199 | | 6865 | 6050 |
| 6.227 | | 55598 | 40859 |
| 6.255 | | 440364 | 419236 |
| 6.3 | | 30225 | 28012 |
| 6.429 | | 1766 | 811 |
| 6.455 | | 76805 | 73433 |
| 6.569 | | 12604 | 11341 |
| 6.6 | DCB | 148010 | 139860 |
| 6.636 | | 27644 | 24217 |
| 6.742 | | 1508 | 417 |
| 6.834 | | 1552 | 522 |
| 6.852 | | 2100 | 900 |
| 6.923 | | 1984 | 446 |
| 7.006 | | 1460 | 1193 |
| 7.176 | | 1904 | 739 |
| 7.281 | | 1469 | 511 |
| 7.357 | | 1425 | 1137 |
| 7.444 | | 2127 | 680 |
| 7.466 | | 1203 | 804 |
| 7.514 | | 1496 | 578 |
| 7.687 | | 1307 | 464 |
| 7.836 | | 1151 | 459 |
| 7.907 | | 1307 | 346 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.952 | | 7437 | 9624 |
| 8.04 | | 1209 | 953 |
| 8.076 | | 1508 | 982 |
| 8.137 | | 1001 | 266 |
| 8.188 | | 1254 | 346 |
| 8.288 | | 1517 | 378 |
| 8.39 | | 1601 | 2408 |
| 8.491 | | 1845 | 371 |
| 8.528 | | 1480 | 595 |
| 8.617 | | 1468 | 754 |

LANCASTER LABORATORIES

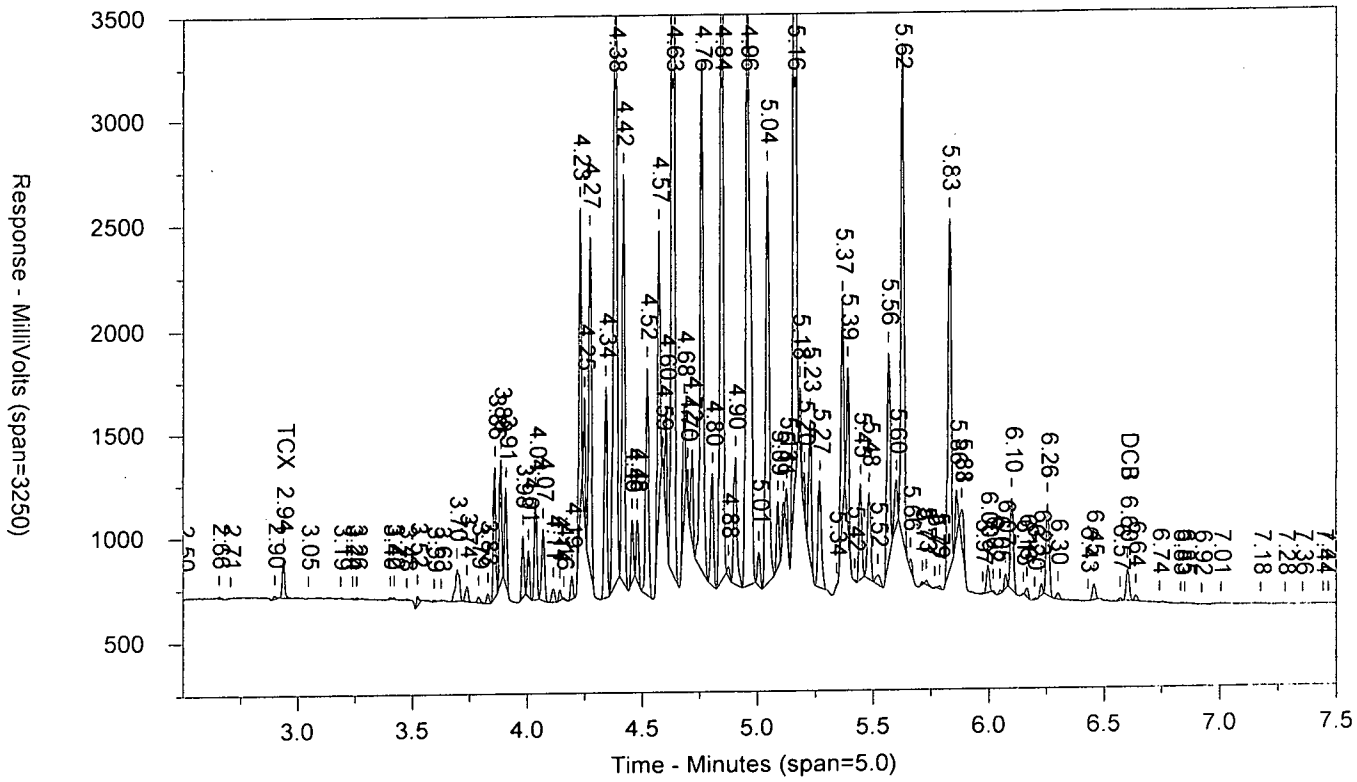
Sample Number: 9229479 ACF DF50 AC99A10 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:34:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0051.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.772 | | 10196 | 8405 |
| 1.849 | | 10061 | 32146 |
| 1.899 | | 13675 | 14512 |
| 1.932 | | 27013 | 25763 |
| 1.971 | | 8821 | 27789 |
| 2.093 | | 2750 | 2258 |
| 2.156 | | 3840 | 5671 |
| 2.224 | | 3442 | 4849 |
| 2.297 | | 2845 | 2596 |
| 2.34 | | 10918 | 6726 |
| 2.415 | | 5445 | 21046 |
| 2.512 | | 3251 | 7744 |
| 2.591 | TCX | 270831 | 168925 |
| 2.689 | | 6078 | 11024 |
| 2.728 | | 2406 | 2192 |
| 2.764 | | 7774 | 7628 |
| 2.808 | | 3754 | 3372 |
| 2.888 | | 6566 | 4068 |
| 2.9 | | 11395 | 5131 |
| 2.934 | | 1860 | 2681 |
| 2.988 | | 3121 | 3300 |
| 3.086 | | 6228 | 3832 |
| 3.095 | | 9778 | 4947 |
| 3.16 | | 5161 | 3371 |
| 3.182 | | 4589 | 2395 |
| 3.204 | | 91081 | 88702 |
| 3.245 | | 40900 | 51611 |
| 3.29 | | 10846 | 5873 |
| 3.363 | | 173827 | 126828 |
| 3.383 | | 137423 | 73962 |
| 3.398 | | 8069 | 2414 |
| 3.413 | | 77587 | 43572 |
| 3.47 | | 43649 | 42302 |
| 3.506 | | 883031 | 537583 |
| 3.529 | | 819254 | 454986 |
| 3.547 | | 692618 | 384499 |
| 3.631 | | 387237 | 226289 |
| 3.654 | | 282747 | 155200 |
| 3.674 | | 672233 | 445540 |
| 3.704 | | 13598 | 5720 |
| 3.72 | | 403148 | 276482 |
| 3.759 | | 125910 | 102492 |
| 3.801 | | 128880 | 97831 |
| 3.831 | | 178948 | 101380 |
| 3.853 | | 3264263 | 2141535 |
| 3.878 | | 1368456 | 790607 |
| 3.897 | | 808734 | 431056 |
| 3.917 | | 1174151 | 726605 |
| 3.952 | | 4426739 | 2995049 |
| 3.983 | | 2373419 | 1470285 |
| 3.999 | | 491146 | 230949 |
| 4.022 | | 407539 | 255025 |
| 4.061 | | 479878 | 374012 |
| 4.094 | | 1352969 | 931867 |

| | | | |
|---|---|---|---|
| 4.115 | | 43701 | 24964 |
| 4.151 | | 2335147 | 1722780 |
| 4.184 | | 846220 | 672413 |
| 4.211 | | 8391457 | 6349374 |
| 4.249 | | 694144 | 648157 |
| 4.302 | | 4446131 | 3677776 |
| 4.339 | | 799775 | 626251 |
| 4.372 | | 4941516 | 3540580 |
| 4.395 | | 1191031 | 783546 |
| 4.438 | | 5194916 | 4287907 |
| 4.538 | | 3157446 | 3441083 |
| 4.589 | | 2883722 | 2358979 |
| 4.629 | | 1332444 | 1171771 |
| 4.667 | | 7909523 | 7128695 |
| 4.7 | | 511173 | 483310 |
| 4.738 | | 657825 | 497763 |
| 4.796 | | 40556 | 25589 |
| 4.808 | | 26184 | 14692 |
| 4.836 | | 104308 | 59940 |
| 4.854 | | 374649 | 261149 |
| 4.887 | | 1001460 | 715855 |
| 4.91 | | 1948264 | 1465587 |
| 4.961 | | 949088 | 804827 |
| 4.996 | | 449828 | 362796 |
| 5.026 | | 307825 | 234472 |
| 5.059 | | 1283782 | 929926 |
| 5.082 | | 2983937 | 2332491 |
| 5.123 | | 63267 | 41684 |
| 5.153 | | 101974 | 82761 |
| 5.219 | | 28087 | 19877 |
| 5.252 | | 16109 | 11255 |
| 5.274 | | 10661 | 6202 |
| 5.297 | | 413987 | 372771 |
| 5.339 | | 2232470 | 2348203 |
| 5.409 | | 11322 | 8548 |
| 5.44 | | 7793 | 7132 |
| 5.497 | | 172980 | 147805 |
| 5.528 | | 14465 | 8767 |
| 5.544 | | 99083 | 66296 |
| 5.59 | | 343491 | 269898 |
| 5.615 | | 285243 | 218810 |
| 5.654 | | 24299 | 27650 |
| 5.697 | | 81769 | 61438 |
| 5.724 | | 593586 | 514562 |
| 5.756 | | 33218 | 23560 |
| 5.802 | | 18664 | 15275 |
| 5.924 | | 140842 | 124630 |
| 5.992 | | 2331 | 2397 |
| 6.061 | | 10223 | 6440 |
| 6.083 | DCB | 251486 | 213792 |
| 6.12 | | 63432 | 59408 |
| 6.215 | | 6183 | 5339 |
| 6.284 | | 26621 | 25020 |
| 6.448 | | 5540 | 5537 |
| 6.563 | | 3634 | 4331 |
| 6.62 | | 2303 | 2043 |
| 6.763 | | 1370 | 929 |
| 6.987 | | 1887 | 2200 |
| 7.513 | | 13006 | 19007 |
| 7.787 | | 1134 | 2330 |
| 8.061 | | 10742 | 18664 |
| 8.162 | | 9275 | 12529 |
| 8.368 | | 24836 | 47819 |

9229479 ACF DF50 AC99A10 T 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0051.RAW

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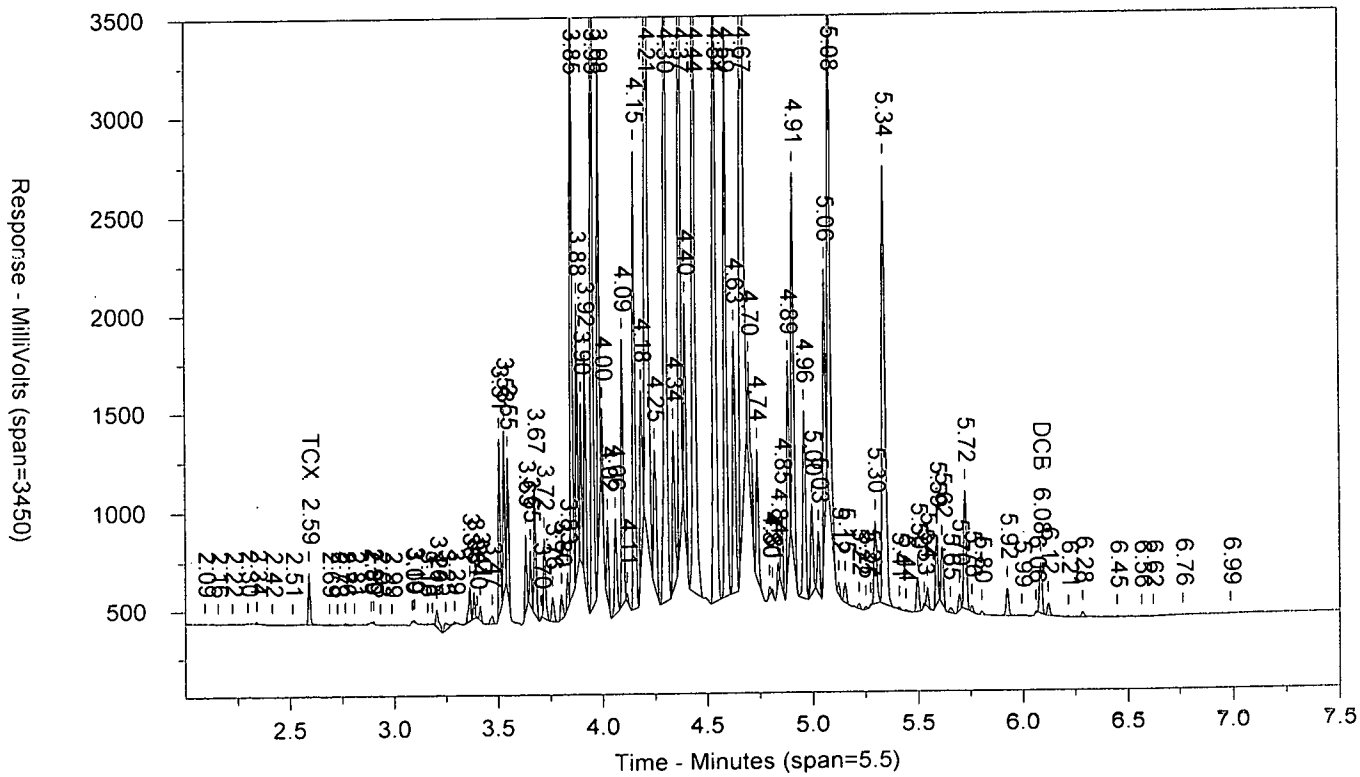


LANCASTER LABORATORIES

Sample Number: 9229479 ACF DF50 AC99A10 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:34:32 AM
Sample Weight: 10.21
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

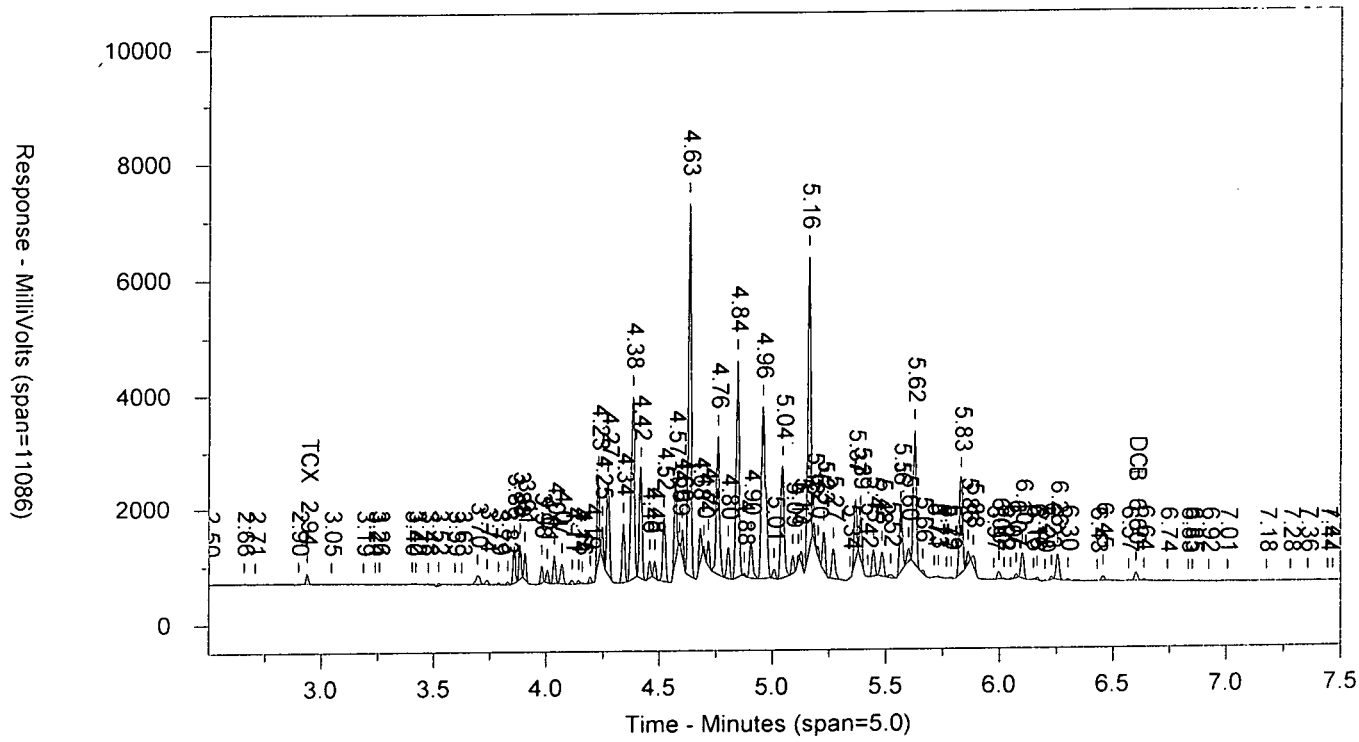
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 185188 | 33.084 | TCX | 2.591 | 270831 | 31.995 | TCX |
| 6.6 | 148010 | 35.921 | DCB | 6.083 | 251486 | 32.533 | DCB |

Files:
Area File: 07PCBS17284001.0051.RAW
Area File: 07PCBS17284001B.0051.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:30:52 AM

9229479 ACF DF50 AC99A10 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0051.RAW

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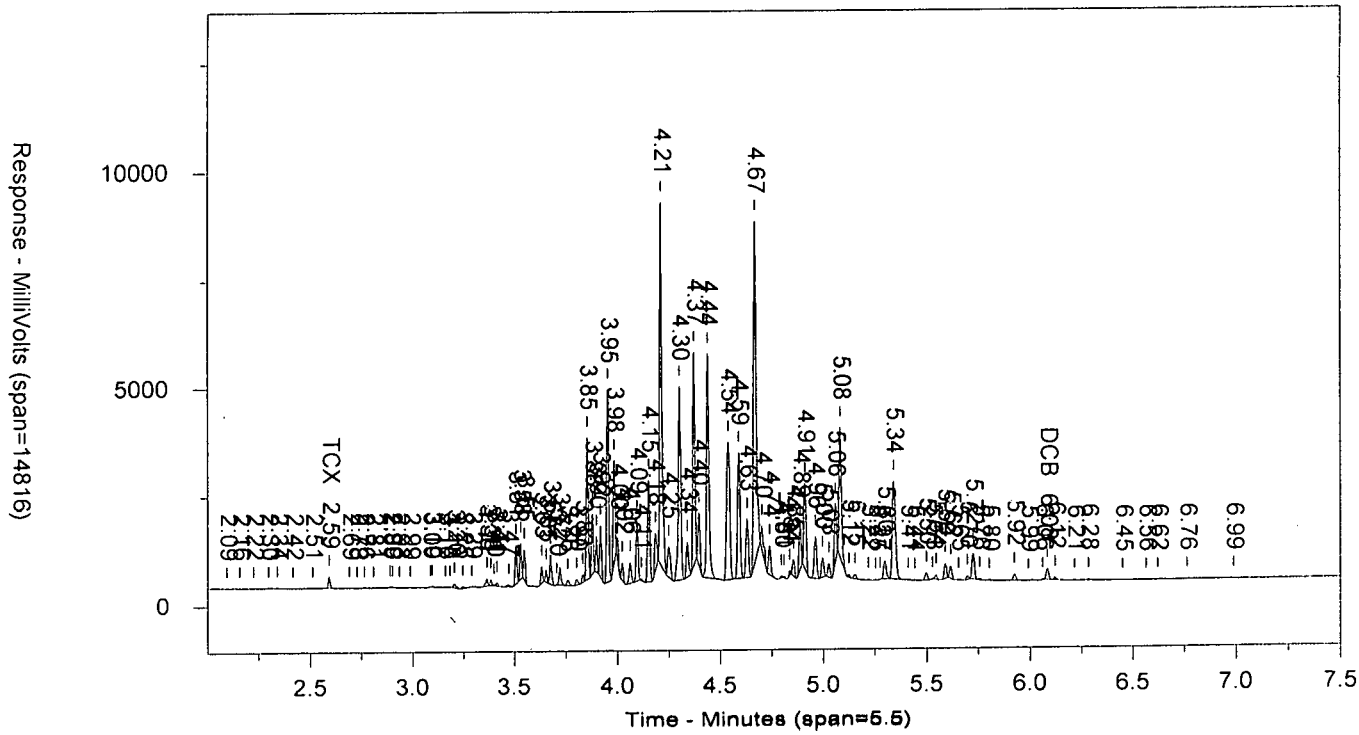

9229479 ACF DF50 AC99A10 T 172820028A 10225 **SW-846 8082**

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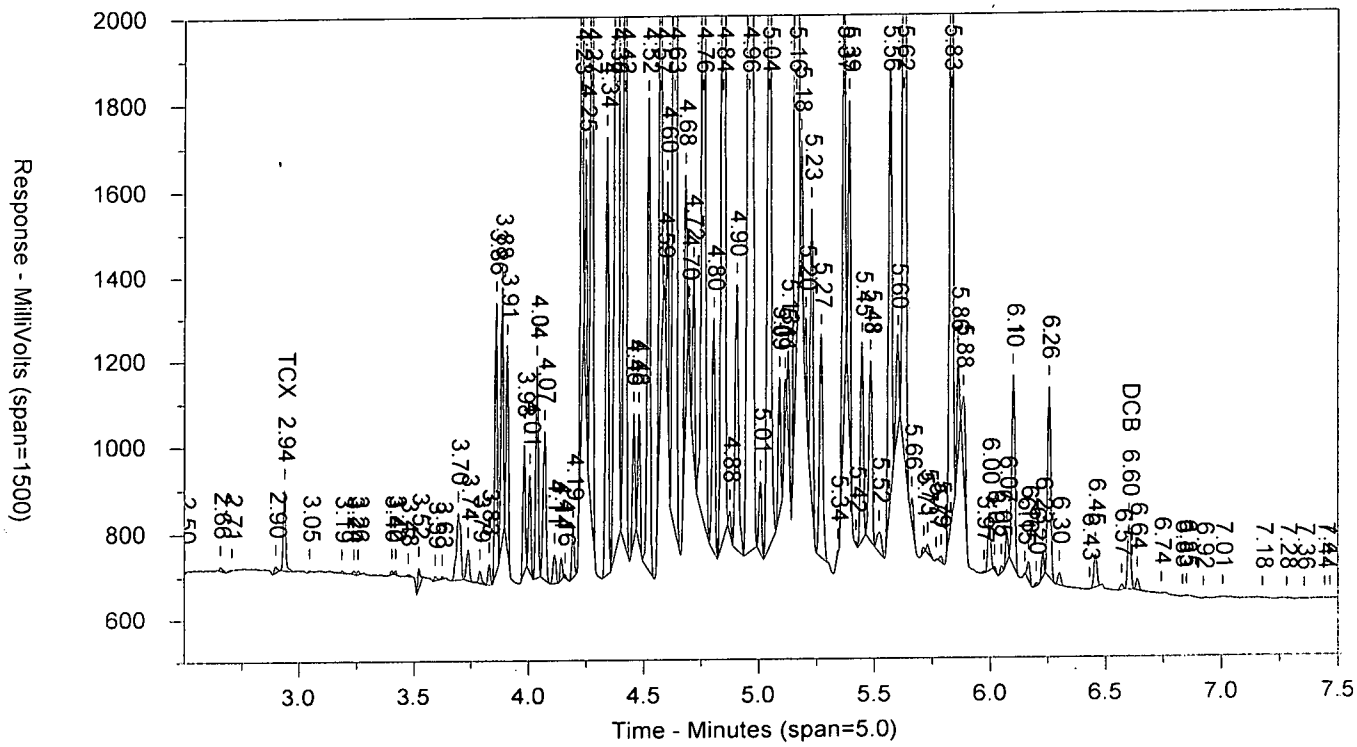


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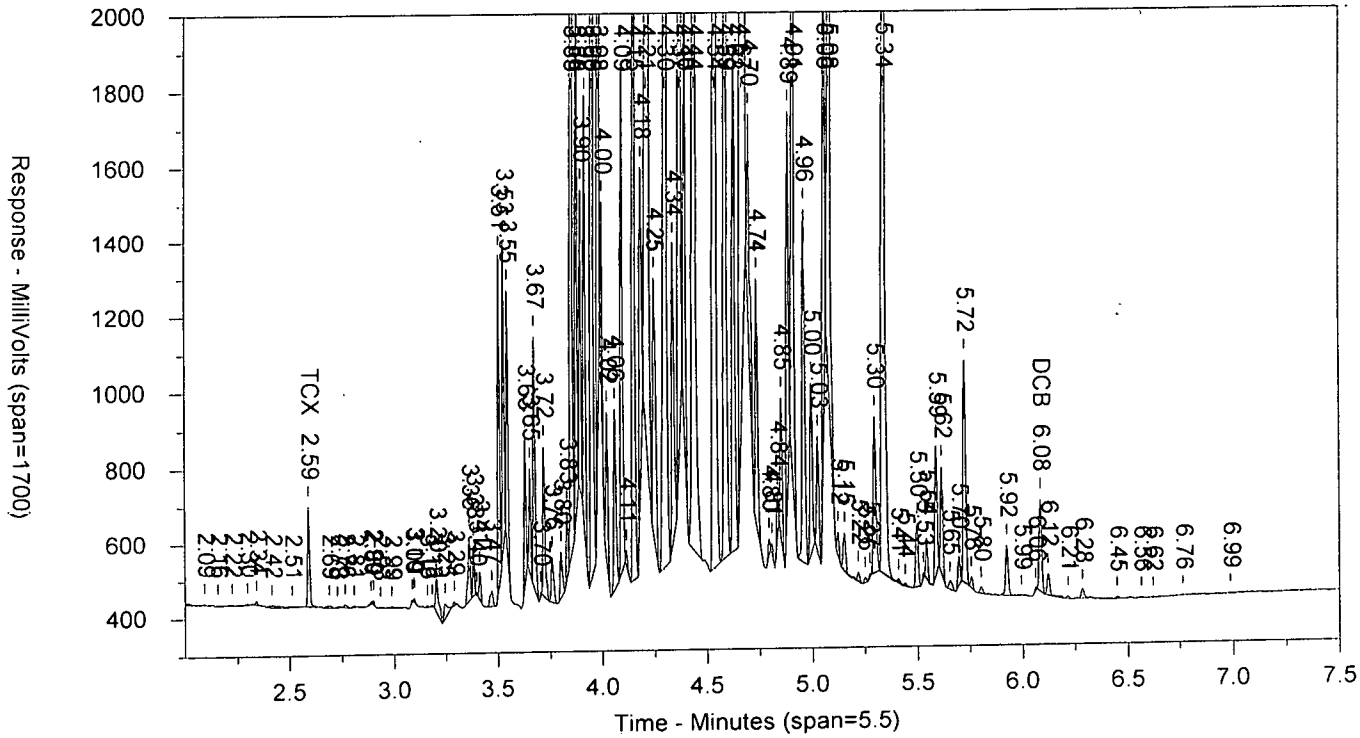

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# Data Summary

**Sample Name: 9229480** ACF DF50 99A11 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:45:50 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0052.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 78% ( 61 - 152 ) Conc: 23.19374
%SSR(DCB) 109% ( 48 - 164 ) Conc: 28.74104

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:45:50 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0052.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 72% ( 61 - 152 ) Conc: 21.43757
%SSR(DCB) 97% ( 48 - 164 ) Conc: 25.55739

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 130972 | 23.19374 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 119470 | 28.74104 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 183061 | 21.43757 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 199303 | 25.55739 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 23.19374 | | | | 7.87 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 23.19374 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 21.43757 | | | | | |
| ☐ | Decachlorobiphenyl | A | 28.74104 | | | | 11.73 | |
| ☑ | Decachlorobiphenyl-D1 | A | 28.74104 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 25.55739 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **26.12** | |
| 4.21 | 4.23 | 4.25 | 2440020 | 15249.640753 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1353557 | 25343.770358 | | | 2 |
| 4.61 | 4.63 | 4.65 | 6539648 | 18540.559255 | | | 4 |
| Height summation: | | | **10333225** | | | | |
| Concentration | | CF: | **19711.323455** | L: | | | |
| **Aroclor-1260** | | | | | | **5.82** | |
| 5.37 | 5.39 | 5.41 | 1672207 | 10294.485486 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5842752 | 11546.796919 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3832124 | 11155.025211 | | | 6 |
| Height summation: | | | **11347083** | | | | |
| Concentration | | CF: | **10998.769205** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **19.27** | |
| 4.19 | 4.21 | 4.23 | 7961766 | 16984.941334 | | | 1 |
| 4.35 | 4.37 | 4.39 | 5124554 | 19601.874832 | | | 3 |
| 4.57 | 4.59 | 4.61 | 2678564 | 13234.909454 | | | 5 |
| Height summation: | | | **15764884** | | | | |
| Concentration | | CF: | **16607.241873** | L: | | | |
| **Aroclor-1260** | | | | | | **13.18** | |
| 4.87 | 4.89 | 4.91 | 2387892 | 8640.725952 | | | 4 |
| 5.06 | 5.08 | 5.10 | 7197574 | 11095.450207 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4583918 | 10806.333177 | | | 6 |
| Height summation: | | | **14169384** | | | | |
| Concentration | | CF: | **10180.836445** | L: | | | |

Valerie L Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:00

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# Data Summary

**Sample Name: 9229480** ACF DF50 99A11 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:45:50 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0052.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:45:50 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0052.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2475.7282 | <480.5825 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <2475.7282 | <742.7185 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <2475.7282 | <597.0874 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <2475.7282 | <597.0874 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <2475.7282 | <480.5825 | D1 | | 4 | |
| ☑ | PCB-1254 | A | 19711.323455 | 2475.7282 | 640.7767 | D1 | 17.09 | 4 | |
| ☑ | PCB-1260 | A | 10998.769205 | 2475.7282 | 567.9612 | D1 | 7.72 | 4 | |

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:00

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229480** ACF DF50 99A11 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:45:50
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0052.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 78% (61-152) Conc.: 23.19374
%SSR(DCB) : 109% (48-164) Conc.: 28.74104 Cv

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 95.22 | |
| 3.17 | 3.19 | 3.21 | 28030.39 | 282.955093 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 76725.65 | 738.815749 | | | 2 |
| 3.38 | 3.42 | 3.42 | 115113.3 | 1108.462671 | | | 2 |
| 3.50 | 3.52 | 3.54 | 479989 | 3847.989826 | | | 3 |
| 3.71 | 3.74 | 3.75 | 555829.5 | 3667.043153 | | | 4 |
| 3.77 | 3.79 | 3.81 | 141599.9 | 1061.219175 | | | 5 |
| 3.96 | 3.98 | 4.00 | 809868.5 | 7958.474175 | | | 6 |
| Height Summation: | | | 2130430.59 | | | | |
| Amount Avg CF: | | | 2987.690682 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 30.08 | |
| + 3.07 | 3.07 | 3.11 | 4043.366 | 79.203058 | | | 1 |
| 3.07 | 3.10 | 3.11 | 14840.57 | 290.702976 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 14871.36 | 332.292038 | | | 2 |
| 3.12 | 3.15 | 3.16 | 16861.67 | 376.764377 | | | 2 |
| 3.17 | 3.19 | 3.21 | 28030.39 | 202.328567 | | | 3 |
| Height Summation: | | | 59732.63 | | | | |
| Amount Avg CF: | | | 289.931974 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 106.04 | |
| 3.17 | 3.19 | 3.21 | 28030.39 | 243.47127 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 76725.65 | 1640.639509 | | | 2 |
| 3.38 | 3.42 | 3.42 | 115113.3 | 2461.490101 | | | 2 |
| 3.50 | 3.52 | 3.54 | 479989 | 8451.453019 | | | 3 |
| 3.71 | 3.74 | 3.75 | 555829.5 | 8083.140493 | | | 4 |
| 3.77 | 3.79 | 3.81 | 141599.9 | 2518.567743 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 809868.5 | 21001.976991 | | | 6 |
| Height Summation: | | | 2130430.59 | | | | |
| Amount Avg CF: | | | 7126.68327 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 95.77 | |
| 3.17 | 3.19 | 3.21 | 28030.39 | 203.292931 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 76725.65 | 550.111862 | | | 2 |
| 3.38 | 3.42 | 3.42 | 115113.3 | 825.345785 | | | 2 |
| 3.50 | 3.52 | 3.54 | 479989 | 2889.091577 | | | 3 |
| 3.71 | 3.74 | 3.75 | 555829.5 | 2671.583138 | | | 4 |
| 3.77 | 3.79 | 3.81 | 141599.9 | 793.299505 | | | 5 |
| 3.96 | 3.98 | 4.00 | 809868.5 | 5958.084704 | | | 6 |
| Height Summation: | | | 2130430.59 | | | | |
| Amount Avg CF: | | | 2223.449607 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 64.22 | |
| 3.71 | 3.74 | 3.75 | 555829.5 | 8227.107795 | | | 1 |
| 3.77 | 3.79 | 3.81 | 141599.9 | 1915.544076 | | | 2 |
| 3.84 | 3.86 | 3.88 | 1452377 | 11476.659178 | | | 3 |
| 3.96 | 3.98 | 4.00 | 809868.5 | 5704.693561 | | | 4 |
| 4.05 | 4.07 | 4.09 | 705795.2 | 5492.200663 | | | 5 |
| 4.23 | 4.23 | 4.27 | 2440020 | 17083.991678 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 984252 | 6891.317685 | | | 6 |
| Height Summation: | | | 6105490.1 | | | | |
| Amount Avg CF: | | | 8316.699492 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:45:50
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0052.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.43757
%SSR(DCB) : 97% (48-164) Conc.: 25.55739

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 133.13 | |
| + 2.86 | 2.88 | 2.90 | 11212.35 | 77.751998 | | | 1 |
| 2.86 | 2.89 | 2.90 | 109741 | 760.998538 | | | 1 |
| 3.19 | 3.20 | 3.23 | 696894.9 | 3852.283836 | | | 2 |
| 3.38 | 3.38 | 3.42 | 920730.5 | 4945.575277 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 743588.4 | 3994.08123 | | | 3 |
| 3.45 | 3.47 | 3.49 | 205418.9 | 1040.25153 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 3123570 | 20985.736275 | | | 5 |
| 3.51 | 3.55 | 3.55 | 3858697 | 25924.694374 | | | 5 |
| 3.61 | 3.63 | 3.65 | 1030779 | 6109.898896 | | | 6 |
| Height Summation: | | | 6822261.3 | | | | |
| Amount Avg CF: | | | 7105.617075 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 98.13 | |
| 2.74 | 2.76 | 2.78 | 9505.052 | 110.046317 | | | 1 |
| 2.80 | 2.81 | 2.84 | 5626.206 | 104.68314 | | | 2 |
| + 2.86 | 2.88 | 2.90 | 11212.35 | 53.978255 | | | 3 |
| 2.86 | 2.89 | 2.90 | 109741 | 528.312774 | | | 3 |
| Height Summation: | | | 124872.258 | | | | |
| Amount Avg CF: | | | 247.680744 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 142.62 | |
| + 2.86 | 2.88 | 2.90 | 11212.35 | 67.218119 | | | 1 |
| 2.86 | 2.89 | 2.90 | 109741 | 657.898087 | | | 1 |
| 3.19 | 3.20 | 3.23 | 696894.9 | 8414.895007 | | | 2 |
| E 3.38 | 3.38 | 3.42 | 920730.5 | 11031.849896 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 743588.4 | 8909.399236 | | | 3 |
| 3.45 | 3.47 | 3.49 | 205418.9 | 2434.663358 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 3123570 | 54715.117981 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 3858697 | 67592.229918 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 1030779 | 15436.573788 | | | 6 |
| Height Summation: | | | 6822261.3 | | | | |
| Amount Avg CF: | | | 17594.685009 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 135.89 | |
| + 2.86 | 2.88 | 2.90 | 11212.35 | 54.781402 | | | 1 |
| 2.86 | 2.89 | 2.90 | 109741 | 536.173578 | | | 1 |
| 3.19 | 3.20 | 3.23 | 696894.9 | 2786.202636 | | | 2 |
| 3.38 | 3.38 | 3.42 | 920730.5 | 3684.17344 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 743588.4 | 2975.364272 | | | 3 |
| 3.45 | 3.47 | 3.49 | 205418.9 | 750.674791 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 3123570 | 16133.36706 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 3858697 | 19930.328142 | | | 5 |
| 3.61 | 3.63 | 3.65 | 1030779 | 4568.632969 | | | 6 |
| Height Summation: | | | 6822261.3 | | | | |
| Amount Avg CF: | | | 5376.030926 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229480** ACF DF50 99A11 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:45:50
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0052.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 43.66 | |
| 4.21 | 4.23 | 4.25 | 2440020 | 15249.640753 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 984252 | 6151.379665 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1353557 | 25343.770358 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1475489 | 8339.294445 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 153657.2 | 868.452855 | | | 3 |
| 4.61 | 4.63 | 4.65 | 6539648 | 18540.559255 | | | 4 |
| 5.02 | 5.04 | 5.06 | 2379153 | 19308.428913 | | | 5 |
| 5.14 | 5.16 | 5.18 | 6727944 | 34026.667478 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 340281.2 | 1720.976756 | | | 6 |
| Height Summation: | | | **20915811** | | | | |
| Amount Avg CF: | | | **20134.726867** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 34.10 | |
| 4.74 | 4.76 | 4.78 | 3486506 | 14599.364903 | | | 1 |
| 4.94 | 4.95 | 4.98 | 4665704 | 19322.784366 | | | 2 |
| 5.14 | 5.16 | 5.18 | 6727944 | 22917.058761 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1672207 | 10294.485486 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5842752 | 11546.796919 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3832124 | 11155.025211 | | | 6 |
| Height Summation: | | | **26227237** | | | | |
| Amount Avg CF: | | | **14972.585941** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 36.83 | |
| 5.21 | 5.23 | 5.25 | 1827214 | 5908.790121 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1672207 | 7575.122629 | | | 2 |
| E 5.61 | 5.62 | 5.65 | 5842752 | 9945.476278 | | | 3 |
| 5.81 | 5.83 | 5.85 | 3832124 | 8403.939906 | | | 4 |
| 5.87 | 5.88 | 5.91 | 680232.7 | 2961.041053 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1241658 | 5413.50984 | | | 6 |
| Height Summation: | | | **15096187.7** | | | | |
| Amount Avg CF: | | | **6701.313304** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 94.85 | |
| 5.81 | 5.83 | 5.85 | 3832124 | 4339.985282 | | | 1 |
| 5.87 | 5.88 | 5.91 | 680232.7 | 874.206576 | | | 2 |
| 6.00 | 6.02 | 6.04 | 39526.96 | 57.415966 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 119458.1 | 694.978291 | | | 4 |
| 6.06 | 6.10 | 6.10 | 766692.2 | 4460.429513 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1241658 | 4948.92935 | | | 5 |
| 6.43 | 6.45 | 6.47 | 240801.4 | 134.577655 | | | 6 |
| Height Summation: | | | **6801035.26** | | | | |
| Amount Avg CF: | | | **2469.25739** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:45:50
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0052.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 65.02 | |
| 3.38 | 3.38 | 3.42 | 920730.5 | 12148.559643 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 743588.4 | 9811.261848 | | | 1 |
| 3.45 | 3.47 | 3.49 | 205418.9 | 1829.736613 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1882132 | 9839.691556 | | | 3 |
| 3.61 | 3.63 | 3.65 | 1030779 | 4535.210085 | | | 4 |
| 3.70 | 3.72 | 3.74 | 896549.2 | 5449.950361 | | | 5 |
| 3.84 | 3.85 | 3.88 | 5130058 | 16504.556097 | | | 6 |
| Height Summation: | | | **10065667.6** | | | | |
| Amount Avg CF: | | | **8384.617392** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 39.97 | |
| 4.19 | 4.21 | 4.23 | 7961766 | 16984.941334 | | | 1 |
| 4.28 | 4.30 | 4.32 | 5891941 | 25999.783736 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5124554 | 19601.874832 | | | 3 |
| 4.42 | 4.44 | 4.46 | 7404197 | 39885.313686 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2678564 | 13234.909454 | | | 5 |
| 4.65 | 4.67 | 4.69 | 9647653 | 28667.627143 | | | 6 |
| Height Summation: | | | **38708675** | | | | |
| Amount Avg CF: | | | **24062.408364** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 38.95 | |
| 4.42 | 4.44 | 4.46 | 7404197 | 17424.880674 | | | 1 |
| 4.52 | 4.54 | 4.56 | 4616852 | 14476.912833 | | | 2 |
| 4.65 | 4.67 | 4.69 | 9647653 | 23943.500268 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2387892 | 8640.725952 | | | 4 |
| 5.06 | 5.08 | 5.10 | 7197574 | 11095.450207 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4583918 | 10806.333177 | | | 6 |
| Height Summation: | | | **35838086** | | | | |
| Amount Avg CF: | | | **14397.967185** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.73 | |
| 4.68 | 4.70 | 4.72 | 1856245 | 4243.544361 | | | 1 |
| 4.87 | 4.89 | 4.91 | 2387892 | 5569.03943 | | | 2 |
| 5.06 | 5.08 | 5.10 | 7197574 | 8405.034843 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1167862 | 3349.446242 | | | 4 |
| 5.33 | 5.34 | 5.36 | 4583918 | 8112.901817 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1816932 | 5473.278987 | | | 6 |
| Height Summation: | | | **19010423** | | | | |
| Amount Avg CF: | | | **5858.87428** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.20 | |
| 5.28 | 5.30 | 5.32 | 1167862 | 1172.208375 | | | 1 |
| 5.33 | 5.34 | 5.36 | 4583918 | 4882.466189 | | | 2 |
| 5.48 | 5.50 | 5.52 | 216353.4 | 244.234886 | | | 3 |
| 5.55 | 5.57 | 5.59 | 23755.59 | 103.303069 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1816932 | 4897.003205 | | | 5 |
| 5.90 | 5.92 | 5.94 | 368861.1 | 126.793631 | | | 6 |
| Height Summation: | | | **8177682.09** | | | | |
| Amount Avg CF: | | | **1904.334893** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2475.728 | 480.5825 | | ** 81.60 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229480** ACF DF50 99A11 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.3 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:45:50 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0052.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:45:50 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0052.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221 | | | 2475.728 | 742.7184 | | 15.72 | 3 | 40 | |
| Aroclor-1232 | | | 2475.728 | 597.0873 | E | ** 84.69 | 4 | 40 | |
| Aroclor-1242 | | | 2475.728 | 597.0873 | | ** 82.97 | 4 | 40 | |
| Aroclor-1248 | | | 2475.728 | 480.5825 | | 0.81 | 4 | 40 | |
| Aroclor-1254 | | | 2475.728 | 640.7767 | | 17.77 | 4 | 40 | |
| Aroclor-1260 | | | 2475.728 | 567.9611 | | 3.91 | 4 | 40 | |
| Aroclor-1262 | | | 2475.728 | 480.5825 | E | 13.41 | 4 | 40 | |
| Aroclor-1268 | | | 2475.728 | 480.5825 | | 25.83 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:45:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0052.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.527 | | 26358 | 77102 |
| 1.581 | | 169055 | 164119 |
| 1.638 | | 36141 | 87872 |
| 1.662 | | 34336 | 39678 |
| 1.687 | | 120748 | 115343 |
| 1.713 | | 24962 | 22061 |
| 1.734 | | 43041 | 63950 |
| 1.758 | | 38028 | 39588 |
| 1.788 | | 27949 | 25879 |
| 1.817 | | 27778 | 23624 |
| 1.836 | | 39426 | 36928 |
| 1.861 | | 32207 | 38397 |
| 1.884 | | 33494 | 67818 |
| 1.927 | | 40350 | 41566 |
| 1.947 | | 43759 | 45271 |
| 1.971 | | 26193 | 20645 |
| 1.992 | | 27080 | 18384 |
| 2.011 | | 39599 | 42663 |
| 2.031 | | 35445 | 30084 |
| 2.052 | | 55938 | 78963 |
| 2.081 | | 36227 | 47299 |
| 2.1 | | 36171 | 24621 |
| 2.117 | | 52464 | 70601 |
| 2.138 | | 44894 | 35352 |
| 2.156 | | 53456 | 87268 |
| 2.208 | | 117924 | 105250 |
| 2.231 | | 51073 | 46120 |
| 2.285 | | 43510 | 97715 |
| 2.32 | | 56325 | 57546 |
| 2.336 | | 36787 | 21370 |
| 2.353 | | 37493 | 28560 |
| 2.397 | | 52600 | 79689 |
| 2.408 | | 51454 | 42105 |
| 2.437 | | 40500 | 48917 |
| 2.454 | | 46549 | 82772 |
| 2.49 | | 45101 | 58309 |
| 2.528 | | 44327 | 52858 |
| 2.546 | | 39822 | 34322 |
| 2.576 | | 45162 | 75220 |
| 2.635 | | 31714 | 63479 |
| 2.658 | | 63998 | 33536 |
| 2.698 | | 5011 | 2573 |
| 2.713 | | 16842 | 16954 |
| 2.743 | | 29338 | 24729 |
| 2.764 | | 6226 | 3583 |
| 2.795 | | 11936 | 4924 |
| 2.812 | | 26669 | 20889 |
| 2.839 | | 11918 | 15223 |
| 2.898 | | 32507 | 41234 |
| 2.914 | | 9650 | 3854 |
| 2.937 | TCX | 130972 | 91820 |
| 2.987 | | 13985 | 12043 |
| 3.014 | | 22318 | 25084 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.057 | | 8862 | 12601 |
| 3.072 | | 4043 | 1703 |
| 3.101 | | 14841 | 14704 |
| 3.122 | | 14871 | 12223 |
| 3.146 | | 16862 | 8837 |
| 3.166 | | 7792 | 3708 |
| 3.188 | | 28030 | 27960 |
| 3.218 | | 6876 | 3713 |
| 3.243 | | 7114 | 5624 |
| 3.255 | | 83813 | 46770 |
| 3.282 | | 41566 | 29083 |
| 3.302 | | 2923 | 1100 |
| 3.334 | | 6118 | 3536 |
| 3.357 | | 11884 | 11898 |
| 3.379 | | 9672 | 5727 |
| 3.402 | | 76726 | 43532 |
| 3.419 | | 115113 | 70302 |
| 3.454 | | 12398 | 7591 |
| 3.483 | | 4026 | 1905 |
| 3.517 | | 479989 | 328984 |
| 3.548 | | 8634 | 5506 |
| 3.584 | | 34076 | 25171 |
| 3.625 | | 39258 | 21169 |
| 3.639 | | 16258 | 8205 |
| 3.693 | | 1037522 | 1432973 |
| 3.738 | | 555830 | 434429 |
| 3.789 | | 141600 | 108842 |
| 3.829 | | 296683 | 215916 |
| 3.857 | | 1452377 | 1004323 |
| 3.883 | | 2384486 | 1576154 |
| 3.905 | | 2670600 | 1823401 |
| 3.945 | | 763 | 145 |
| 3.98 | | 809869 | 560172 |
| 4.004 | | 873538 | 619979 |
| 4.035 | | 1217328 | 916001 |
| 4.069 | | 705795 | 629537 |
| 4.113 | | 204500 | 198711 |
| 4.142 | | 137206 | 96843 |
| 4.193 | | 293476 | 234067 |
| 4.228 | | 2440020 | 1585977 |
| 4.246 | | 984252 | 531971 |
| 4.27 | | 3273641 | 2671511 |
| 4.312 | | 9983 | 6473 |
| 4.339 | | 1353557 | 1109711 |
| 4.381 | | 4266835 | 4563215 |
| 4.416 | | 2512578 | 2006328 |
| 4.457 | | 466436 | 337194 |
| 4.479 | | 376751 | 271246 |
| 4.52 | | 1269746 | 1105133 |
| 4.57 | | 1475489 | 1084060 |
| 4.586 | | 153657 | 56432 |
| 4.601 | | 315568 | 178534 |
| 4.631 | | 6539649 | 5553665 |
| 4.68 | | 1158569 | 881661 |
| 4.694 | | 103780 | 52366 |
| 4.715 | | 481554 | 324465 |
| 4.736 | | 56228 | 26070 |
| 4.756 | | 3486506 | 3225598 |
| 4.803 | | 647386 | 555104 |
| 4.843 | | 3936306 | 3650320 |
| 4.874 | | 61471 | 38786 |
| 4.903 | | 847949 | 823610 |
| 4.954 | | 4665704 | 5606513 |
| 5.006 | | 481903 | 410005 |
| 5.043 | | 2379153 | 2536375 |
| 5.088 | | 291395 | 207932 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.126 | | 488145 | 619785 |
| 5.159 | | 6727944 | 5773957 |
| 5.182 | | 340281 | 170509 |
| 5.202 | | 177222 | 88211 |
| 5.225 | | 1827214 | 1537693 |
| 5.268 | | 1231418 | 1202868 |
| 5.364 | | 1197589 | 891894 |
| 5.388 | | 1672207 | 1330887 |
| 5.445 | | 997265 | 906629 |
| 5.483 | | 747005 | 751370 |
| 5.525 | | 110513 | 127782 |
| 5.565 | | 1300236 | 1280977 |
| 5.598 | | 204994 | 144984 |
| 5.625 | | 5842753 | 5286104 |
| 5.66 | | 53727 | 36904 |
| 5.728 | | 48284 | 56687 |
| 5.784 | | 12231 | 13447 |
| 5.829 | | 3832124 | 3568503 |
| 5.859 | | 380695 | 259520 |
| 5.885 | | 680233 | 651089 |
| 5.968 | | 6540 | 4362 |
| 5.995 | | 137241 | 119319 |
| 6.02 | | 39527 | 27589 |
| 6.048 | | 14206 | 8788 |
| 6.071 | | 119458 | 90523 |
| 6.098 | | 766692 | 728171 |
| 6.163 | | 57826 | 59523 |
| 6.201 | | 5505 | 5002 |
| 6.225 | | 44807 | 31592 |
| 6.254 | | 1241658 | 1206322 |
| 6.298 | | 89377 | 79706 |
| 6.454 | | 240801 | 218119 |
| 6.478 | | 9959 | 7257 |
| 6.536 | | 1339 | 864 |
| 6.567 | | 13910 | 11068 |
| 6.6 | DCB | 119470 | 112840 |
| 6.636 | | 27170 | 22759 |
| 6.761 | | 3582 | 2996 |
| 6.807 | | 3664 | 2906 |
| 6.847 | | 3673 | 3741 |
| 7.024 | | 1546 | 681 |
| 7.046 | | 1698 | 954 |
| 7.151 | | 2640 | 1746 |
| 7.209 | | 3317 | 2826 |
| 7.274 | | 2945 | 2735 |
| 7.299 | | 1918 | 751 |
| 7.349 | | 1881 | 1420 |
| 7.401 | | 2456 | 3273 |
| 7.464 | | 1737 | 1479 |
| 7.542 | | 1879 | 1191 |
| 7.579 | | 1489 | 375 |
| 7.6 | | 1826 | 1670 |
| 7.682 | | 1978 | 3932 |
| 7.721 | | 1358 | 440 |
| 7.801 | | 1162 | 379 |
| 7.822 | | 872 | 729 |
| 7.89 | | 1687 | 729 |
| 7.951 | | 6387 | 9011 |
| 8.033 | | 1172 | 365 |
| 8.112 | | 973 | 342 |
| 8.154 | | 1615 | 734 |
| 8.243 | | 664 | 422 |
| 8.342 | | 1246 | 1052 |
| 8.411 | | 1848 | 532 |
| 8.552 | | 1890 | 2033 |
| 8.673 | | 1618 | 400 |

LANCASTER LABORATORIES

Sample Number: 9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:45:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0052.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

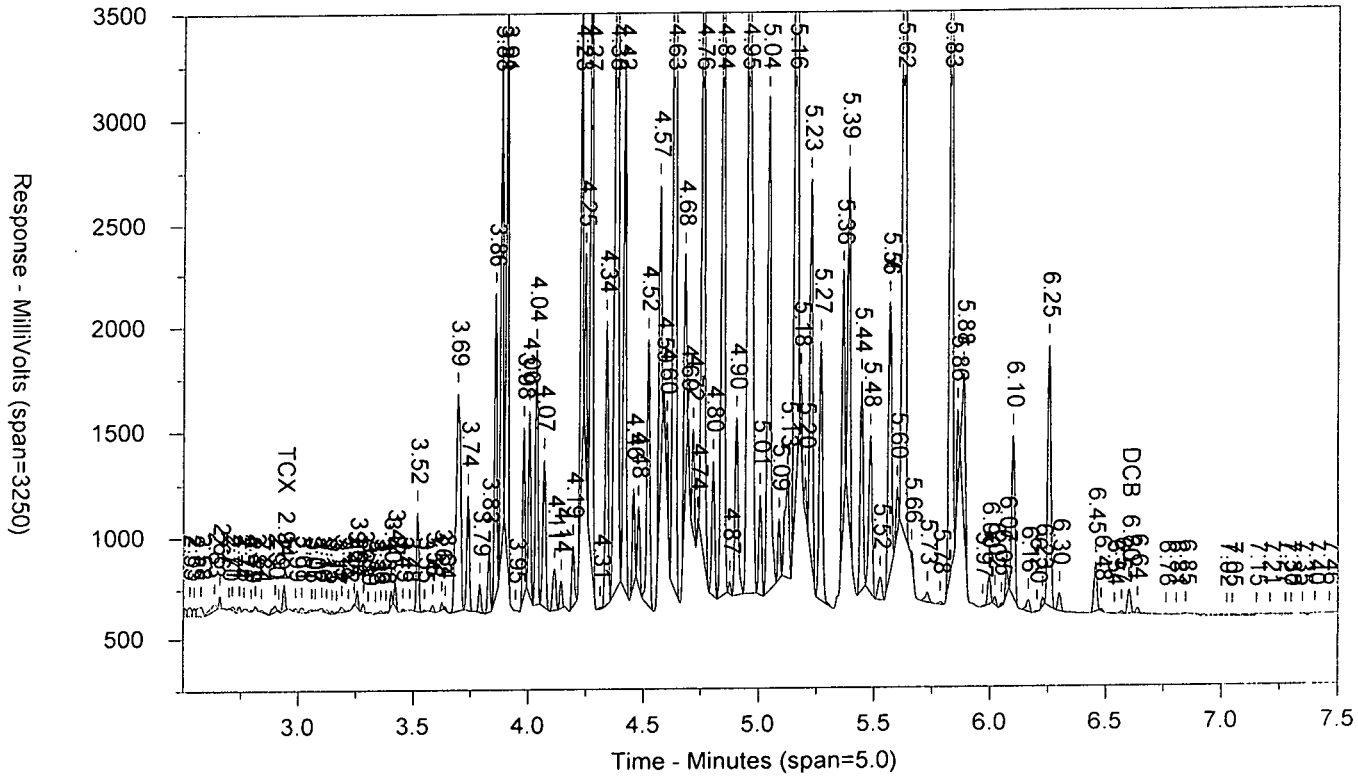
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.506 | | 6108 | 3863 |
| 1.529 | | 8785 | 5255 |
| 1.554 | | 20302 | 21419 |
| 1.583 | | 14554 | 14306 |
| 1.621 | | 20739 | 35273 |
| 1.648 | | 14671 | 14517 |
| 1.689 | | 21445 | 30731 |
| 1.71 | | 22145 | 26802 |
| 1.742 | | 19848 | 18985 |
| 1.77 | | 48614 | 50465 |
| 1.816 | | 27014 | 81052 |
| 1.856 | | 27053 | 30614 |
| 1.878 | | 28784 | 23211 |
| 1.901 | | 29850 | 30004 |
| 1.932 | | 137641 | 115435 |
| 1.958 | | 29607 | 28576 |
| 1.978 | | 25999 | 29380 |
| 2 | | 14053 | 7112 |
| 2.025 | | 20049 | 20051 |
| 2.046 | | 20076 | 18740 |
| 2.077 | | 19387 | 22519 |
| 2.143 | | 15473 | 16986 |
| 2.168 | | 9158 | 10800 |
| 2.206 | | 12292 | 6525 |
| 2.227 | | 4059 | 2760 |
| 2.268 | | 7427 | 8656 |
| 2.286 | | 8047 | 3858 |
| 2.297 | | 10225 | 5686 |
| 2.341 | | 113213 | 84019 |
| 2.406 | | 3479 | 1323 |
| 2.42 | | 7394 | 5218 |
| 2.44 | | 7463 | 4094 |
| 2.466 | | 11336 | 7523 |
| 2.516 | | 15862 | 18194 |
| 2.542 | | 3139 | 1543 |
| 2.569 | | 3607 | 2210 |
| 2.592 | TCX | 183061 | 120744 |
| 2.625 | | 4358 | 1905 |
| 2.638 | | 11846 | 4580 |
| 2.653 | | 5903 | 2731 |
| 2.683 | | 10223 | 11568 |
| 2.709 | | 2637 | 1512 |
| 2.738 | | 2893 | 1135 |
| 2.764 | | 9505 | 5796 |
| 2.789 | | 7348 | 4442 |
| 2.81 | | 5626 | 3872 |
| 2.847 | | 4478 | 2345 |
| 2.877 | | 11212 | 5597 |
| 2.889 | | 109741 | 69902 |
| 2.949 | | 10228 | 5976 |
| 2.987 | | 39162 | 31908 |
| 3.053 | | 4675 | 4745 |
| 3.084 | | 70475 | 33166 |
| 3.095 | | 113369 | 55592 |

| | | |
|---|---|---|
| 3.135 | 24739 | 15453 |
| 3.16 | 4638 | 2785 |
| 3.181 | 11043 | 5412 |
| 3.204 | 696895 | 445218 |
| 3.245 | 8907 | 8149 |
| 3.29 | 97386 | 88005 |
| 3.333 | 5117 | 2649 |
| 3.363 | 1249172 | 919443 |
| 3.383 | 920731 | 528527 |
| 3.413 | 743588 | 465351 |
| 3.47 | 205419 | 173729 |
| 3.506 | 1882132 | 1194817 |
| 3.529 | 3123570 | 1623370 |
| 3.547 | 3858697 | 2135639 |
| 3.631 | 1030779 | 619756 |
| 3.654 | 1084987 | 605873 |
| 3.674 | 1693431 | 1077272 |
| 3.72 | 896549 | 655115 |
| 3.759 | 276061 | 223784 |
| 3.809 | 177298 | 198619 |
| 3.831 | 354285 | 197725 |
| 3.853 | 5130058 | 3233351 |
| 3.877 | 2815824 | 1618019 |
| 3.897 | 1337742 | 712202 |
| 3.916 | 1456406 | 889572 |
| 3.952 | 5587328 | 3767045 |
| 3.983 | 2867958 | 1752848 |
| 3.999 | 773493 | 369940 |
| 4.022 | 600388 | 368062 |
| 4.061 | 595065 | 456999 |
| 4.095 | 1468046 | 1016373 |
| 4.115 | 90993 | 59776 |
| 4.151 | 2524874 | 1853593 |
| 4.186 | 751656 | 706094 |
| 4.211 | 7961767 | 6557178 |
| 4.249 | 960274 | 889038 |
| 4.302 | 5891941 | 5028677 |
| 4.339 | 871398 | 699438 |
| 4.371 | 5124554 | 3482439 |
| 4.395 | 1513477 | 1061987 |
| 4.439 | 7404197 | 5974722 |
| 4.492 | 86394 | 65103 |
| 4.539 | 4616853 | 4673243 |
| 4.589 | 2678564 | 2244890 |
| 4.63 | 1648822 | 1451253 |
| 4.667 | 9647653 | 8033024 |
| 4.699 | 1856245 | 1272862 |
| 4.738 | 1552056 | 1219441 |
| 4.796 | 27624 | 16225 |
| 4.808 | 20338 | 10568 |
| 4.836 | 345352 | 222782 |
| 4.854 | 330604 | 208498 |
| 4.887 | 2387893 | 1800328 |
| 4.91 | 1525598 | 1092418 |
| 4.96 | 1754388 | 1516757 |
| 4.996 | 872725 | 689714 |
| 5.026 | 619915 | 494758 |
| 5.058 | 1259420 | 838651 |
| 5.082 | 7197575 | 5682300 |
| 5.123 | 147304 | 104613 |
| 5.153 | 223761 | 182643 |
| 5.219 | 9165 | 6060 |
| 5.273 | 60970 | 37179 |
| 5.296 | 1167863 | 1008754 |
| 5.34 | 4583918 | 4996265 |
| 5.41 | 13236 | 9527 |
| 5.44 | 6463 | 4033 |

| | | | |
|---|---|---|---|
| 5.496 | | 216353 | 180564 |
| 5.543 | | 201965 | 176279 |
| 5.565 | | 23756 | 12107 |
| 5.588 | | 319949 | 240445 |
| 5.614 | | 712518 | 594738 |
| 5.658 | | 18214 | 20124 |
| 5.696 | | 79655 | 54673 |
| 5.723 | | 1816932 | 1440367 |
| 5.755 | | 107583 | 79409 |
| 5.802 | | 12635 | 10271 |
| 5.923 | | 368861 | 337277 |
| 5.991 | | 2978 | 2989 |
| 6.06 | | 12487 | 8012 |
| 6.082 | DCB | 199303 | 171933 |
| 6.119 | | 63235 | 56083 |
| 6.165 | | 1943 | 1342 |
| 6.211 | | 5479 | 4349 |
| 6.258 | | 7994 | 5411 |
| 6.283 | | 24856 | 20049 |
| 6.383 | | 2198 | 2165 |
| 6.447 | | 5557 | 5049 |
| 6.513 | | 4821 | 9426 |
| 6.555 | | 2720 | 3522 |
| 6.618 | | 3574 | 3596 |
| 6.728 | | 1960 | 1225 |
| 6.761 | | 4119 | 4873 |
| 6.929 | | 2628 | 13287 |
| 6.982 | | 4707 | 4979 |
| 7.024 | | 3099 | 4353 |
| 7.087 | | 2075 | 3772 |
| 7.4 | | 1081 | 667 |
| 7.465 | | 1700 | 2229 |
| 7.512 | | 11486 | 15622 |
| 7.96 | | 2576 | 7602 |
| 8.064 | | 4072 | 8755 |
| 8.159 | | 9957 | 18355 |
| 8.296 | | 2169 | 3673 |
| 8.368 | | 6095 | 10785 |

9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0052.RAW

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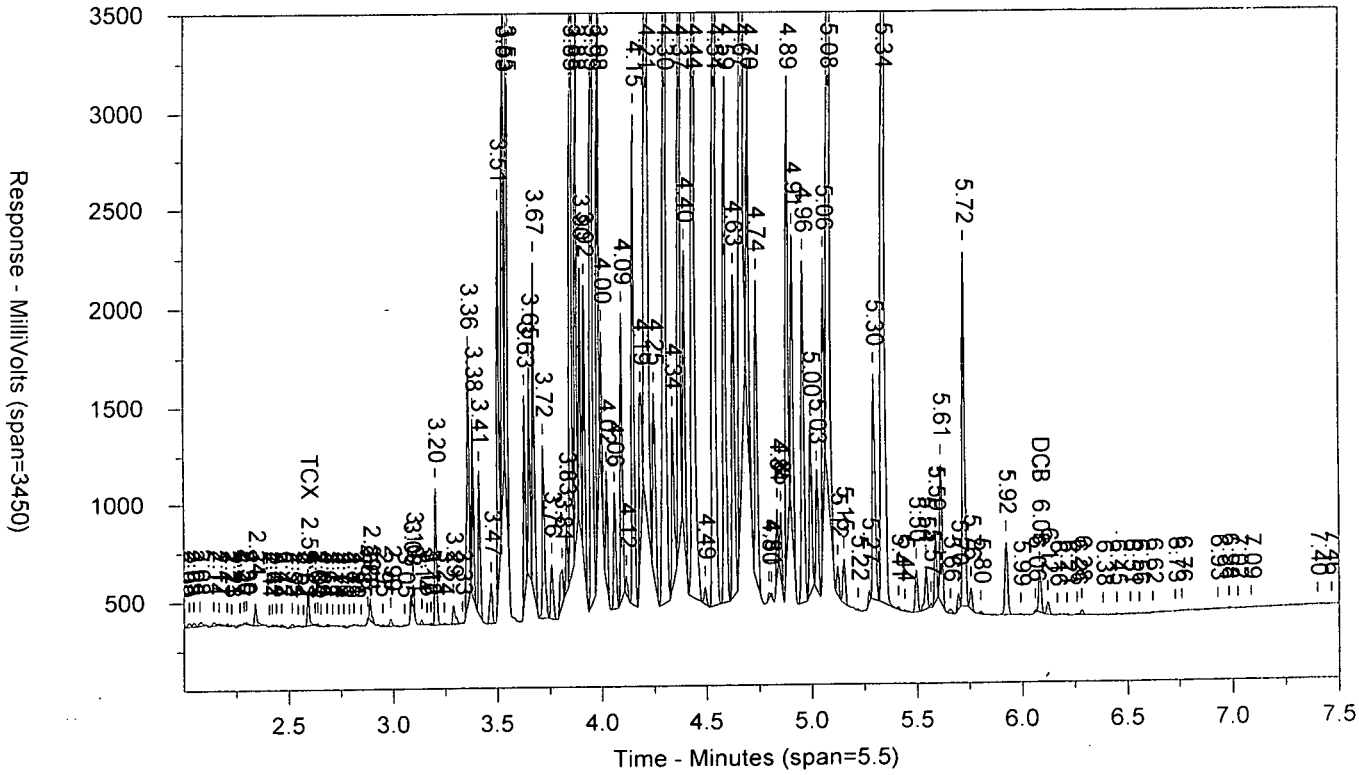


LANCASTER LABORATORIES

Sample Number: 9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:45:50 AM
Sample Weight: 10.3
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

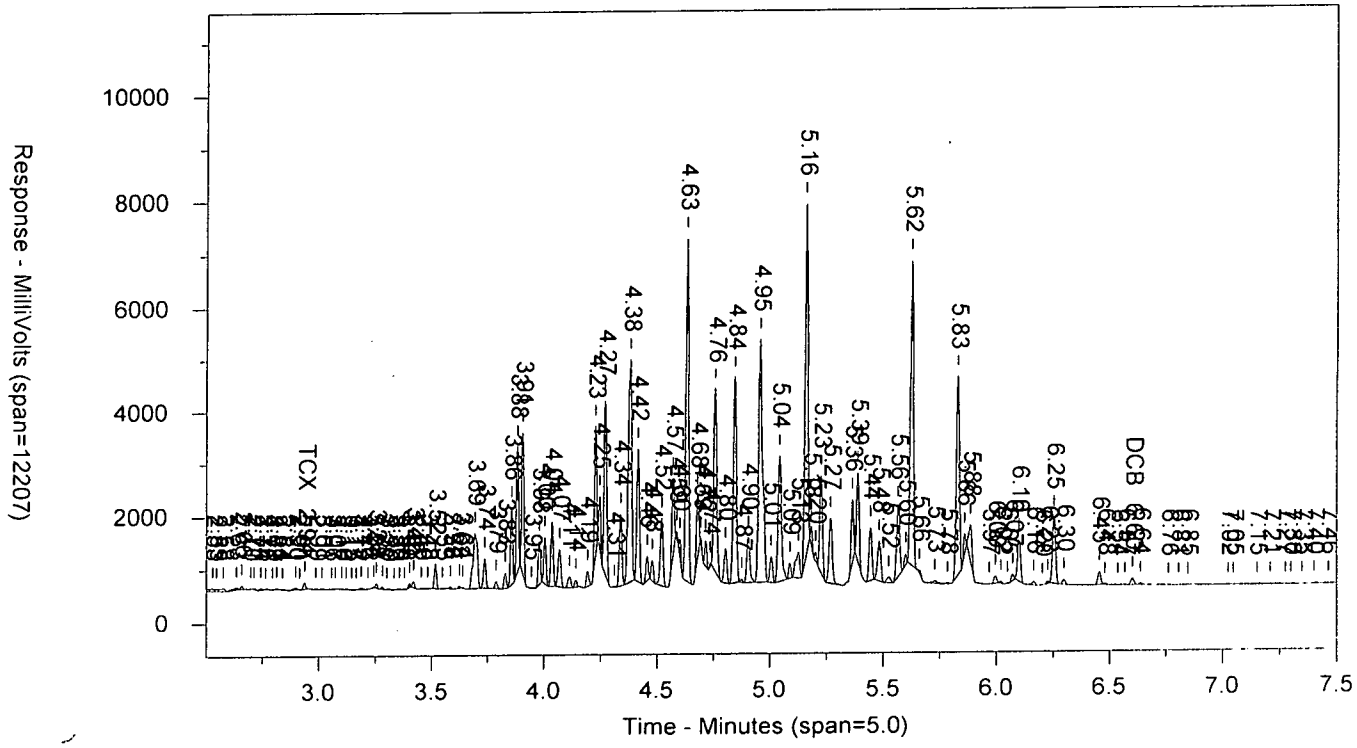
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 130972 | 23.194 | TCX | 2.592 | 183061 | 21.438 | TCX |
| 6.6 | 119470 | 28.741 | DCB | 6.082 | 199303 | 25.557 | DCB |

Files:
Area File: 07PCBS17284001.0052.RAW
Area File: 07PCBS17284001B.0052.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:31:08 AM

9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0052.RAW

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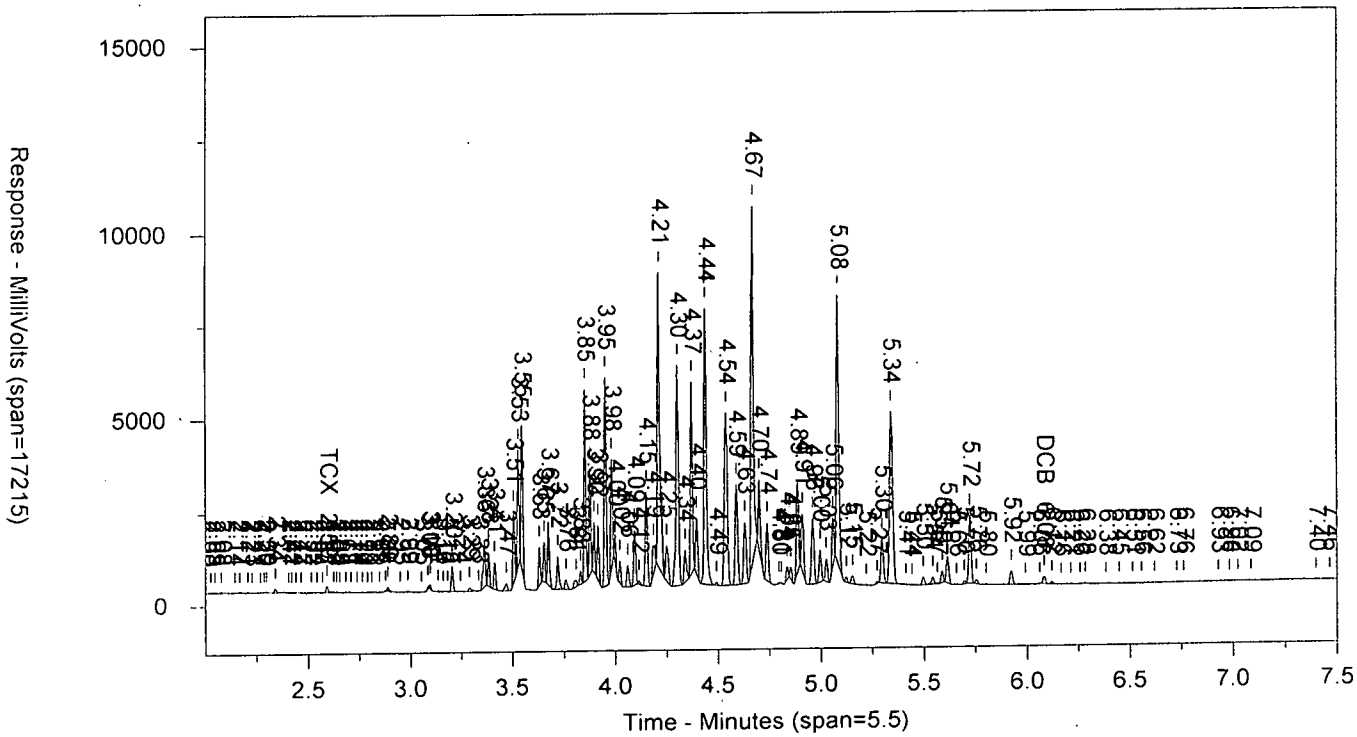

9229480 ACF DF50 AC99A11 T 172820028A 10225 SW-846 8082

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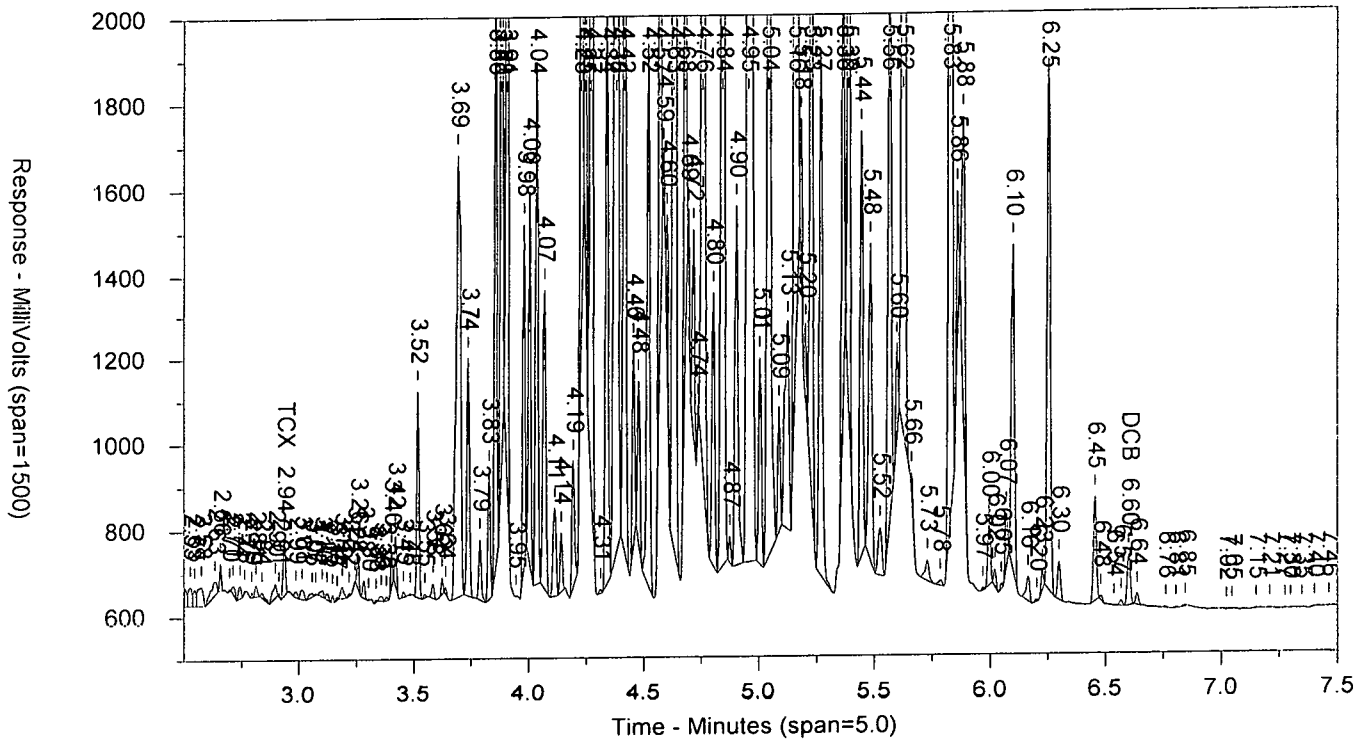


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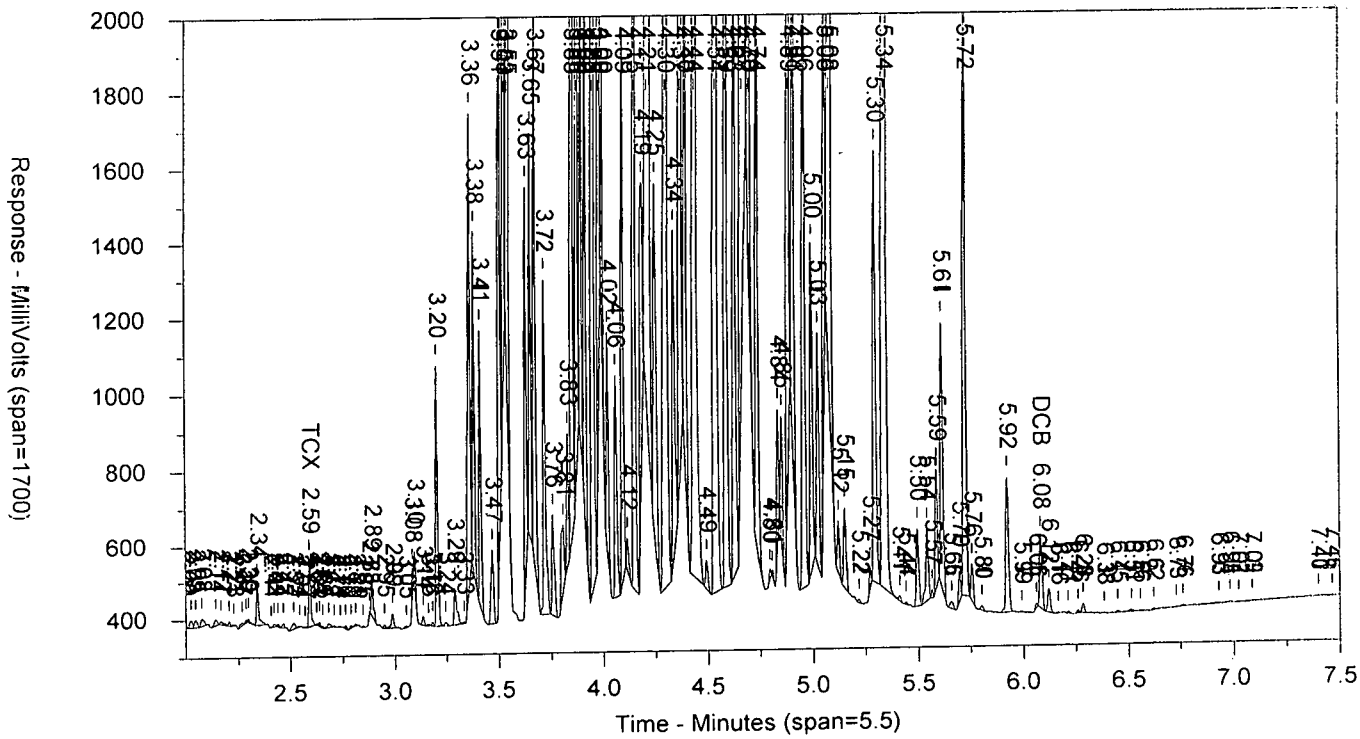


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229481** ACF DF50 99A12 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.31 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:08:25 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0054.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 90% ( 61 - 152 ) Conc: 26.63451
%SSR(DCB) 115% ( 48 - 164 ) Conc: 30.15749

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:08:25 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0054.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 84% ( 61 - 152 ) Conc: 24.87276
%SSR(DCB) 112% ( 48 - 164 ) Conc: 29.43469

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 150548 | 26.63451 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 212601 | 24.87276 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 125479 | 30.15749 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 229762 | 29.43469 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 26.63451 | | | | 6.84 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 26.63451 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 24.87276 | | | | | |
| ☐ | Decachlorobiphenyl | A | 30.15749 | | | | 2.43 | |
| ☑ | Decachlorobiphenyl-D1 | A | 30.15749 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 29.43469 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **14.08** | |
| 4.74 | 4.76 | 4.78 | 2512612 | 10511.084701 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3055913 | 12643.638487 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4282392 | 14572.749139 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1685736 | 10367.707343 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5951883 | 11751.059351 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3629011 | 10553.532372 | | | 6 |

Height summation: **21117547**
Concentration CF: **11733.295232** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **18.33** | |
| 4.42 | 4.44 | 4.46 | 5264900 | 12378.286591 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3220627 | 10089.020293 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5983832 | 14836.242261 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2540602 | 9184.399068 | | | 4 |
| 5.06 | 5.08 | 5.10 | 7059854 | 10872.591453 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4285317 | 10092.599193 | | | 6 |

Height summation: **28355132**
Concentration CF: **11242.18981** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2473.327 | <480.1164 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <2473.327 | <741.9981 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <2473.327 | <596.5083 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <2473.327 | <596.5083 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <2473.327 | <480.1164 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <2473.327 | <640.1552 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 11733.295232 | 2473.327 | 567.4103 | D1 | 4.28 | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:02

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229481** ACF DF50 99A12 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.31 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0054.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 90% (61-152) Conc.: 26.63451
%SSR(DCB) : 115% (48-164) Conc.: 30.15749 CM

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 135.93 | |
| 3.17 | 3.18 | 3.21 | 5487.127 | 55.336533 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 10065.3 | 96.827975 | | | 2 |
| 3.38 | 3.42 | 3.42 | 11545.26 | 111.06516 | | | 2 |
| 3.50 | 3.52 | 3.54 | 33467.63 | 268.044036 | | | 3 |
| 3.71 | 3.74 | 3.75 | 54878.98 | 361.708753 | | | 4 |
| 3.77 | 3.79 | 3.81 | 17850.65 | 133.651777 | | | 5 |
| 3.96 | 3.98 | 4.00 | 154198.3 | 1513.817248 | | | 6 |
| Height Summation: | | | **277427.947** | | | | |
| Amount Avg CF: | | | **407.270584** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 68.17 | |
| + 3.07 | 3.07 | 3.11 | 3290.261 | 64.388426 | | | 1 |
| 3.07 | 3.10 | 3.11 | 8538.021 | 167.083927 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 8645.186 | 192.984376 | | | 2 |
| 3.12 | 3.15 | 3.16 | 10759.47 | 240.181021 | | | 2 |
| 3.17 | 3.18 | 3.21 | 5487.127 | 39.568687 | | | 3 |
| Height Summation: | | | **24784.618** | | | | |
| Amount Avg CF: | | | **148.944545** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 149.32 | |
| 3.17 | 3.18 | 3.21 | 5487.127 | 47.614821 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 10065.3 | 215.019512 | | | 2 |
| 3.38 | 3.42 | 3.42 | 11545.26 | 246.63509 | | | 2 |
| 3.50 | 3.52 | 3.54 | 33467.63 | 588.712986 | | | 3 |
| 3.71 | 3.74 | 3.75 | 54878.98 | 797.302498 | | | 4 |
| 3.77 | 3.79 | 3.81 | 17850.65 | 317.192774 | | | 5 |
| 3.96 | 3.98 | 4.00 | 154198.3 | 3994.880716 | | | 6 |
| Height Summation: | | | **277427.947** | | | | |
| Amount Avg CF: | | | **998.723147** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 136.72 | |
| 3.17 | 3.18 | 3.21 | 5487.127 | 39.757284 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 10065.3 | 72.096755 | | | 2 |
| 3.38 | 3.42 | 3.42 | 11545.26 | 82.697563 | | | 2 |
| 3.50 | 3.52 | 3.54 | 33467.63 | 201.248912 | | | 3 |
| 3.71 | 3.74 | 3.75 | 54878.98 | 263.518853 | | | 4 |
| 3.77 | 3.79 | 3.81 | 17850.65 | 99.90951 | | | 5 |
| 3.96 | 3.98 | 4.00 | 154198.3 | 1133.314149 | | | 6 |
| Height Summation: | | | **277427.947** | | | | |
| Amount Avg CF: | | | **303.407712** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 110.12 | |
| 3.71 | 3.74 | 3.75 | 54878.98 | 811.503104 | | | 1 |
| 3.77 | 3.79 | 3.81 | 17850.65 | 241.246931 | | | 2 |
| 3.84 | 3.86 | 3.88 | 276099.5 | 2179.617577 | | | 3 |
| 3.96 | 3.98 | 4.00 | 154198.3 | 1085.115478 | | | 4 |
| 4.05 | 4.07 | 4.09 | 125063.2 | 972.245165 | | | 5 |
| 4.23 | 4.23 | 4.27 | 828549.1 | 5795.524878 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 123413.8 | 863.253304 | | | 6 |
| Height Summation: | | | **1456639.73** | | | | |
| Amount Avg CF: | | | **1847.542189** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0054.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 84% (61-152) Conc.: 24.87276
%SSR(DCB) : 112% (48-164) Conc.: 29.43469

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 88.62 | |
| 2.86 | 2.89 | 2.90 | 100428 | 695.742098 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64051.18 | 353.717614 | | | 2 |
| 3.38 | 3.38 | 3.42 | 106083.2 | 569.258414 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 72901.41 | 391.199936 | | | 3 |
| 3.45 | 3.47 | 3.49 | 32614.73 | 165.002419 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 344007.9 | 2308.978789 | | | 5 |
| 3.51 | 3.55 | 3.55 | 345602.6 | 2319.682405 | | | 5 |
| 3.61 | 3.63 | 3.65 | 211487.8 | 1252.369091 | | | 6 |
| Height Summation: | | | **860267.51** | | | | |
| Amount Avg CF: | | | **892.628673** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 81.97 | |
| 2.80 | 2.81 | 2.84 | 6914.858 | 128.535455 | | | 2 |
| 2.86 | 2.89 | 2.90 | 100428 | 483.009387 | | | 3 |
| Height Summation: | | | **107342.858** | | | | |
| Amount Avg CF: | | | **305.772421** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 108.12 | |
| 2.86 | 2.89 | 2.90 | 100428 | 601.482621 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64051.18 | 772.657652 | | | 2 |
| 3.38 | 3.38 | 3.42 | 106083.2 | 1269.816557 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 72901.41 | 872.630326 | | | 3 |
| 3.45 | 3.47 | 3.49 | 32614.73 | 386.180969 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 344007.9 | 6020.091227 | | | 5 |
| 3.51 | 3.55 | 3.55 | 345602.6 | 6047.998259 | | | 5 |
| 3.61 | 3.63 | 3.65 | 211487.8 | 3164.092928 | | | 6 |
| Height Summation: | | | **860267.51** | | | | |
| Amount Avg CF: | | | **2040.371497** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 91.73 | |
| 2.86 | 2.89 | 2.90 | 100428 | 490.196119 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64051.18 | 255.829786 | | | 2 |
| 3.38 | 3.38 | 3.42 | 106083.2 | 424.065272 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 72901.41 | 291.421792 | | | 3 |
| 3.45 | 3.47 | 3.49 | 32614.73 | 119.070391 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 344007.9 | 1775.091512 | | | 5 |
| 3.51 | 3.55 | 3.55 | 345602.6 | 1783.320214 | | | 5 |
| 3.61 | 3.63 | 3.65 | 211487.8 | 936.449983 | | | 6 |
| Height Summation: | | | **860267.51** | | | | |
| Amount Avg CF: | | | **668.155294** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229481** ACF DF50 99A12 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.31 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0054.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 74.66 | |
| 4.21 | 4.23 | 4.25 | 828549.1 | 5173.244873 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 123413.8 | 770.563637 | | | 1 |
| 4.32 | 4.34 | 4.36 | 395754.7 | 7402.85625 | | | 2 |
| 4.55 | 4.57 | 4.59 | 469288.2 | 2649.790421 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 120043.2 | 677.812315 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2260118 | 6401.446655 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1355842 | 10992.898249 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4282392 | 21637.248233 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 170635.8 | 862.155814 | | | 6 |
| Height Summation: | | | **9591944** | | | | |
| Amount Avg CF: | | | **9042.914113** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 14.08 | |
| 4.74 | 4.76 | 4.78 | 2512612 | 10511.084701 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3055913 | 12643.638487 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4282392 | 14572.749139 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1685736 | 10367.707343 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5951883 | 11751.059351 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3629011 | 10553.532372 | | | 6 |
| Height Summation: | | | **21117547** | | | | |
| Amount Avg CF: | | | **11733.295232** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 37.27 | |
| 5.21 | 5.23 | 5.25 | 1760001 | 5685.918418 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1685736 | 7629.002402 | | | 2 |
| E 5.61 | 5.62 | 5.65 | 5951883 | 10121.411404 | | | 3 |
| 5.81 | 5.83 | 5.85 | 3629011 | 7950.789009 | | | 4 |
| 5.87 | 5.88 | 5.91 | 667099.8 | 2901.057208 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1291722 | 5626.321632 | | | 6 |
| Height Summation: | | | **14985452.8** | | | | |
| Amount Avg CF: | | | **6652.416679** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 95.99 | |
| 5.81 | 5.83 | 5.85 | 3629011 | 4105.967875 | | | 1 |
| 5.87 | 5.88 | 5.91 | 667099.8 | 856.497172 | | | 2 |
| 6.00 | 6.02 | 6.04 | 41381.35 | 60.051309 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 110301.4 | 641.084416 | | | 4 |
| 6.06 | 6.10 | 6.10 | 650065.7 | 3778.256575 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1291722 | 5143.477906 | | | 5 |
| 6.43 | 6.45 | 6.47 | 228837.5 | 127.767296 | | | 6 |
| Height Summation: | | | **6508117.35** | | | | |
| Amount Avg CF: | | | **2345.336356** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0054.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 90.48 | |
| 3.38 | 3.38 | 3.42 | 106083.2 | 1398.354974 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 72901.41 | 960.963181 | | | 1 |
| 3.45 | 3.47 | 3.49 | 32614.73 | 290.228813 | | | 2 |
| 3.49 | 3.51 | 3.53 | 380832 | 1989.039461 | | | 3 |
| 3.61 | 3.63 | 3.65 | 211487.8 | 929.599168 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 7185.475 | 43.636756 | | | 5 |
| 3.70 | 3.72 | 3.74 | 146329.4 | 888.64555 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1410472 | 4533.405858 | | | 6 |
| Height Summation: | | | **2287819.13** | | | | |
| Amount Avg CF: | | | **1671.545637** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 78.44 | |
| + 4.19 | 4.19 | 4.23 | 363922.2 | 775.607054 | | | 1 |
| 4.19 | 4.21 | 4.23 | 1919590 | 4091.11493 | | | 1 |
| + 4.19 | 4.22 | 4.23 | 479832.6 | 1022.640415 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3908802 | 17231.916342 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1114451 | 4258.739497 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5264900 | 28333.728811 | | | 4 |
| 4.57 | 4.59 | 4.61 | 962399.7 | 4750.649452 | | | 5 |
| 4.65 | 4.67 | 4.69 | 5983832 | 17763.478881 | | | 6 |
| Height Summation: | | | **19153974.7** | | | | |
| Amount Avg CF: | | | **12738.271319** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 18.33 | |
| 4.42 | 4.44 | 4.46 | 5264900 | 12378.286591 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3220627 | 10089.020293 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5983832 | 14836.242261 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2540602 | 9184.399068 | | | 4 |
| 5.06 | 5.08 | 5.10 | 7059854 | 10872.591453 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4285317 | 10092.599193 | | | 6 |
| Height Summation: | | | **28355132** | | | | |
| Amount Avg CF: | | | **11242.18981** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.24 | |
| 4.68 | 4.70 | 4.72 | 1997683 | 4562.454884 | | | 1 |
| 4.87 | 4.89 | 4.91 | 2540602 | 5919.442513 | | | 2 |
| 5.06 | 5.08 | 5.10 | 7059854 | 8236.21469 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1188254 | 3404.625351 | | | 4 |
| 5.33 | 5.34 | 5.36 | 4285317 | 7577.062913 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1763617 | 5307.521326 | | | 6 |
| Height Summation: | | | **18835327** | | | | |
| Amount Avg CF: | | | **5834.553613** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.41 | |
| 5.28 | 5.30 | 5.32 | 1188254 | 1191.519452 | | | 1 |
| 5.33 | 5.34 | 5.36 | 4285317 | 4559.990287 | | | 2 |
| 5.48 | 5.50 | 5.52 | 124529.5 | 140.44128 | | | 3 |
| 5.55 | 5.57 | 5.59 | 27378.54 | 118.942277 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1763617 | 4748.697993 | | | 5 |
| 5.90 | 5.92 | 5.94 | 366784 | 125.957353 | | | 6 |
| Height Summation: | | | **7755880.04** | | | | |
| Amount Avg CF: | | | **1814.258107** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229481** ACF DF50 99A12 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.31 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0054.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:08:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0054.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2473.3267 | 480.1164 | | ** 74.68 | 4 | 40 | |
| Aroclor-1221 | | | 2473.3267 | 741.998 | | ** 68.98 | 3 | 40 | |
| Aroclor-1232 | | | 2473.3267 | 596.5082 | | ** 68.55 | 4 | 40 | |
| Aroclor-1242 | | | 2473.3267 | 596.5082 | | ** 75.08 | 4 | 40 | |
| Aroclor-1248 | | | 2473.3267 | 480.1164 | | 10.00 | 4 | 40 | |
| Aroclor-1254 | | | 2473.3267 | 640.1552 | | 33.93 | 4 | 40 | |
| Aroclor-1260 | | | 2473.3267 | 567.4102 | | 4.28 | 4 | 40 | |
| Aroclor-1262 | | | 2473.3267 | 480.1164 | E | 13.10 | 4 | 40 | |
| Aroclor-1268 | | | 2473.3267 | 480.1164 | | 25.54 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:08:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0054.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.516 | | 2891 | 2492 |
| 1.582 | | 63074 | 70580 |
| 1.612 | | 22153 | 16398 |
| 1.639 | | 20427 | 36915 |
| 1.66 | | 17107 | 17324 |
| 1.687 | | 29704 | 30333 |
| 1.738 | | 10954 | 17795 |
| 1.761 | | 5623 | 4807 |
| 1.816 | | 4196 | 2055 |
| 1.834 | | 11098 | 6886 |
| 1.861 | | 9382 | 7982 |
| 1.886 | | 9077 | 10518 |
| 1.927 | | 13525 | 12174 |
| 1.946 | | 15370 | 11856 |
| 1.971 | | 8807 | 5439 |
| 1.994 | | 13827 | 9836 |
| 2.01 | | 18279 | 18318 |
| 2.034 | | 7983 | 4466 |
| 2.055 | | 18415 | 25122 |
| 2.074 | | 11879 | 11846 |
| 2.101 | | 12031 | 9805 |
| 2.116 | | 18689 | 19818 |
| 2.137 | | 11526 | 8854 |
| 2.156 | | 14014 | 16701 |
| 2.184 | | 5781 | 3625 |
| 2.209 | | 45671 | 27513 |
| 2.23 | | 6409 | 2875 |
| 2.284 | | 22321 | 35877 |
| 2.32 | | 36229 | 33395 |
| 2.335 | | 26452 | 16152 |
| 2.352 | | 17570 | 14916 |
| 2.408 | | 32118 | 70262 |
| 2.437 | | 24657 | 32278 |
| 2.456 | | 29269 | 44721 |
| 2.49 | | 26666 | 47592 |
| 2.527 | | 27819 | 33267 |
| 2.546 | | 24009 | 17717 |
| 2.567 | | 27698 | 48126 |
| 2.616 | | 5567 | 5265 |
| 2.639 | | 13001 | 12760 |
| 2.658 | | 48270 | 26112 |
| 2.697 | | 3131 | 1333 |
| 2.713 | | 11532 | 11215 |
| 2.743 | | 15695 | 14699 |
| 2.762 | | 5445 | 2842 |
| 2.793 | | 7139 | 2911 |
| 2.814 | | 16682 | 13515 |
| 2.838 | | 8059 | 5405 |
| 2.9 | | 14718 | 18506 |
| 2.937 | TCX | 150548 | 101807 |
| 2.986 | | 8045 | 7635 |
| 3.015 | | 12543 | 14405 |
| 3.056 | | 6294 | 7564 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.073 | | 3290 | 1964 |
| 3.1 | | 8538 | 7634 |
| 3.122 | | 8645 | 8552 |
| 3.146 | | 10759 | 5931 |
| 3.165 | | 4779 | 2201 |
| 3.185 | | 5487 | 4784 |
| 3.218 | | 2952 | 1638 |
| 3.256 | | 68670 | 61081 |
| 3.281 | | 10900 | 7393 |
| 3.301 | | 2848 | 921 |
| 3.315 | | 5535 | 2645 |
| 3.334 | | 3999 | 2066 |
| 3.357 | | 8453 | 7167 |
| 3.381 | | 6180 | 4631 |
| 3.404 | | 10065 | 5613 |
| 3.419 | | 11545 | 7029 |
| 3.439 | | 2399 | 912 |
| 3.471 | | 4030 | 3817 |
| 3.518 | | 33468 | 22074 |
| 3.546 | | 5895 | 3451 |
| 3.612 | | 4145 | 1753 |
| 3.694 | | 19929 | 10165 |
| 3.701 | | 27040 | 12981 |
| 3.737 | | 54879 | 44838 |
| 3.76 | | 1814 | 913 |
| 3.789 | | 17851 | 14515 |
| 3.829 | | 27945 | 20555 |
| 3.857 | | 276100 | 194431 |
| 3.883 | | 246133 | 164749 |
| 3.906 | | 242059 | 159073 |
| 3.927 | | 3073 | 1030 |
| 3.944 | | 2047 | 2243 |
| 3.98 | | 154198 | 109201 |
| 4.004 | | 88982 | 59291 |
| 4.036 | | 133027 | 94091 |
| 4.069 | | 125063 | 110458 |
| 4.112 | | 29232 | 26179 |
| 4.141 | | 24637 | 19130 |
| 4.17 | | 10466 | 6420 |
| 4.193 | | 50476 | 37239 |
| 4.228 | | 828549 | 609737 |
| 4.247 | | 123414 | 61239 |
| 4.272 | | 471666 | 401618 |
| 4.34 | | 395755 | 330722 |
| 4.382 | | 1345951 | 1384763 |
| 4.416 | | 600207 | 494120 |
| 4.456 | | 87656 | 61959 |
| 4.479 | | 92587 | 66681 |
| 4.52 | | 392937 | 371698 |
| 4.571 | | 469288 | 353135 |
| 4.587 | | 120043 | 57391 |
| 4.632 | | 2260118 | 1973031 |
| 4.68 | | 1071607 | 1203164 |
| 4.716 | | 277700 | 196510 |
| 4.756 | | 2512613 | 2371362 |
| 4.803 | | 142592 | 126778 |
| 4.843 | | 1009607 | 976859 |
| 4.874 | | 31342 | 21091 |
| 4.903 | | 602282 | 537895 |
| 4.955 | | 3055913 | 3852207 |
| 5.006 | | 433673 | 399166 |
| 5.044 | | 1355842 | 1479327 |
| 5.089 | | 116010 | 75437 |
| 5.126 | | 325604 | 413864 |
| 5.159 | | 4282392 | 3776548 |
| 5.182 | | 170636 | 90666 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.201 | | 83097 | 38085 |
| 5.226 | | 1760001 | 1579316 |
| 5.268 | | 1184294 | 1135329 |
| 5.364 | | 675061 | 529189 |
| 5.388 | | 1685736 | 1345492 |
| 5.445 | | 975327 | 884105 |
| 5.483 | | 615086 | 606796 |
| 5.526 | | 96049 | 108182 |
| 5.567 | | 744092 | 756760 |
| 5.599 | | 48300 | 29335 |
| 5.624 | | 5951883 | 5723268 |
| 5.712 | | 4474 | 2825 |
| 5.729 | | 26325 | 20767 |
| 5.77 | | 4163 | 2421 |
| 5.83 | | 3629011 | 3385463 |
| 5.86 | | 299154 | 203487 |
| 5.884 | | 667100 | 713462 |
| 5.971 | | 6297 | 4101 |
| 5.995 | | 58351 | 47098 |
| 6.02 | | 41381 | 33557 |
| 6.072 | | 110301 | 87125 |
| 6.1 | | 650066 | 583278 |
| 6.162 | | 17938 | 13803 |
| 6.199 | | 5044 | 5743 |
| 6.227 | | 10391 | 7592 |
| 6.254 | | 1291723 | 1254173 |
| 6.299 | | 85338 | 79035 |
| 6.335 | | 1812 | 516 |
| 6.454 | | 228838 | 214414 |
| 6.566 | | 5999 | 4162 |
| 6.6 | DCB | 125479 | 118776 |
| 6.638 | | 5947 | 4032 |
| 6.763 | | 2285 | 2268 |
| 6.803 | | 3628 | 3585 |
| 6.996 | | 2440 | 1611 |
| 7.013 | | 2066 | 1589 |
| 7.061 | | 2206 | 1442 |
| 7.155 | | 1204 | 427 |
| 7.208 | | 3018 | 2493 |
| 7.307 | | 1627 | 766 |
| 7.412 | | 780 | 2648 |
| 7.436 | | 1136 | 357 |
| 7.46 | | 1252 | 470 |
| 7.623 | | 1211 | 1714 |
| 7.592 | | 1731 | 1960 |
| 7.615 | | 1537 | 1105 |
| 7.665 | | 1831 | 1349 |
| 7.733 | | 1868 | 1330 |
| 7.799 | | 1089 | 748 |
| 7.844 | | 1765 | 846 |
| 7.947 | | 4003 | 5036 |
| 8.011 | | 1246 | 501 |
| 8.09 | | 1247 | 303 |
| 8.134 | | 2118 | 693 |
| 8.259 | | 1251 | 861 |
| 8.266 | | 1554 | 415 |
| 8.295 | | 1987 | 625 |
| 8.468 | | 987 | 579 |
| 8.547 | | 1728 | 459 |
| 8.569 | | 1392 | 672 |
| 8.67 | | 1577 | 704 |

LANCASTER LABORATORIES

Sample Number: 9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:08:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0054.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

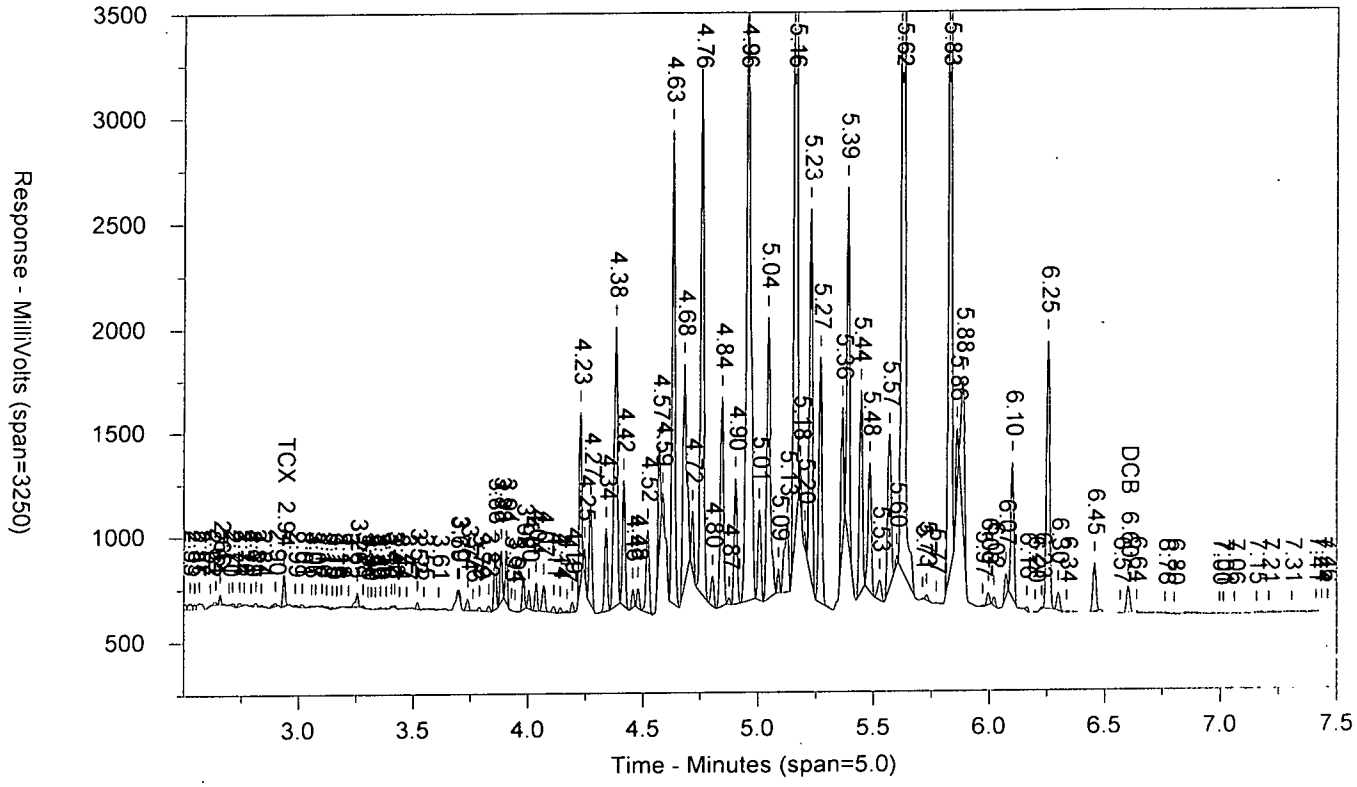
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 5876 | 3157 |
| 1.556 | | 13033 | 11841 |
| 1.622 | | 14291 | 22722 |
| 1.65 | | 10880 | 11032 |
| 1.688 | | 15206 | 21363 |
| 1.711 | | 15413 | 21378 |
| 1.743 | | 13066 | 14520 |
| 1.77 | | 19749 | 20531 |
| 1.817 | | 18142 | 57108 |
| 1.856 | | 19333 | 21711 |
| 1.878 | | 20716 | 17347 |
| 1.901 | | 23069 | 22899 |
| 1.932 | | 77492 | 67241 |
| 1.958 | | 20103 | 20378 |
| 1.978 | | 17690 | 18082 |
| 2.001 | | 9098 | 3998 |
| 2.025 | | 14579 | 13364 |
| 2.045 | | 12716 | 10965 |
| 2.077 | | 15633 | 30130 |
| 2.143 | | 9952 | 12086 |
| 2.165 | | 4356 | 2261 |
| 2.188 | | 3955 | 2120 |
| 2.207 | | 9403 | 5085 |
| 2.226 | | 3524 | 2120 |
| 2.266 | | 7631 | 7340 |
| 2.286 | | 4701 | 2357 |
| 2.298 | | 4424 | 1829 |
| 2.34 | | 83920 | 74921 |
| 2.422 | | 5679 | 5508 |
| 2.44 | | 6095 | 3263 |
| 2.466 | | 8584 | 5437 |
| 2.481 | | 5212 | 2940 |
| 2.516 | | 12583 | 14252 |
| 2.543 | | 2812 | 1198 |
| 2.591 | TCX | 212601 | 138753 |
| 2.653 | | 5592 | 2839 |
| 2.682 | | 8167 | 9945 |
| 2.789 | | 5195 | 3416 |
| 2.81 | | 6915 | 6201 |
| 2.847 | | 3064 | 1573 |
| 2.889 | | 100428 | 84779 |
| 2.952 | | 3959 | 2015 |
| 2.986 | | 7824 | 10742 |
| 3.05 | | 3910 | 2957 |
| 3.085 | | 10171 | 4611 |
| 3.096 | | 11180 | 4796 |
| 3.135 | | 3124 | 2021 |
| 3.16 | | 3472 | 6092 |
| 3.204 | | 64051 | 45609 |
| 3.244 | | 7335 | 6430 |
| 3.29 | | 9254 | 5556 |
| 3.334 | | 3829 | 2353 |
| 3.364 | | 113779 | 84565 |
| 3.383 | | 106083 | 62910 |

| | | |
|---|---|---|
| 3.413 | 72901 | 42461 |
| 3.471 | 32615 | 28792 |
| 3.506 | 380832 | 235360 |
| 3.528 | 344008 | 185470 |
| 3.546 | 345603 | 189793 |
| 3.582 | 6935 | 4727 |
| 3.631 | 211488 | 128558 |
| 3.654 | 121062 | 65781 |
| 3.674 | 183653 | 128179 |
| 3.705 | 7185 | 3371 |
| 3.72 | 146329 | 97048 |
| 3.759 | 52619 | 38228 |
| 3.801 | 49639 | 39077 |
| 3.831 | 71072 | 39431 |
| 3.852 | 1410472 | 927884 |
| 3.877 | 295638 | 172045 |
| 3.896 | 291391 | 162991 |
| 3.916 | 424604 | 281967 |
| 3.951 | 1721363 | 1171107 |
| 3.982 | 641128 | 395044 |
| 3.999 | 232163 | 115870 |
| 4.022 | 108976 | 64511 |
| 4.06 | 143833 | 117860 |
| 4.094 | 461064 | 329703 |
| 4.123 | 183330 | 134588 |
| 4.151 | 817323 | 599537 |
| 4.191 | 363922 | 325399 |
| 4.211 | 1919590 | 1083135 |
| 4.224 | 479833 | 228225 |
| 4.249 | 639379 | 599194 |
| 4.301 | 3908802 | 3060468 |
| 4.339 | 200093 | 180487 |
| 4.371 | 1114451 | 759352 |
| 4.396 | 1006545 | 756620 |
| 4.438 | 5264900 | 3928761 |
| 4.492 | 361692 | 265884 |
| 4.539 | 3220627 | 3437667 |
| 4.59 | 962400 | 845112 |
| 4.63 | 1168346 | 1023194 |
| 4.667 | 5983832 | 5032674 |
| 4.7 | 1997683 | 1434134 |
| 4.738 | 1549686 | 1219325 |
| 4.795 | 11621 | 6414 |
| 4.808 | 17191 | 9649 |
| 4.836 | 377584 | 257063 |
| 4.854 | 148233 | 87675 |
| 4.886 | 2540603 | 1940239 |
| 4.91 | 828508 | 544920 |
| 4.96 | 1554797 | 1401886 |
| 4.995 | 789254 | 643434 |
| 5.026 | 612631 | 490836 |
| 5.059 | 389769 | 234148 |
| 5.082 | 7059854 | 5907964 |
| 5.123 | 151485 | 107220 |
| 5.153 | 208951 | 167027 |
| 5.218 | 12588 | 8659 |
| 5.273 | 59502 | 36584 |
| 5.296 | 1188254 | 1015650 |
| 5.34 | 4285317 | 4785278 |
| 5.407 | 11782 | 10945 |
| 5.497 | 124530 | 106725 |
| 5.543 | 167659 | 138799 |
| 5.566 | 27379 | 15424 |
| 5.589 | 99221 | 63846 |
| 5.615 | 764267 | 622116 |
| 5.655 | 9605 | 9199 |
| 5.696 | 22817 | 14134 |

| | | | |
|---|---|---|---|
| 5.724 | | 1763617 | 1497090 |
| 5.755 | | 102596 | 80355 |
| 5.802 | | 5457 | 4076 |
| 5.924 | | 366784 | 332101 |
| 6.083 | DCB | 229762 | 202482 |
| 6.119 | | 18955 | 17388 |
| 6.256 | | 4353 | 2854 |
| 6.283 | | 15236 | 13238 |
| 6.386 | | 2779 | 3367 |
| 6.451 | | 3733 | 5039 |
| 6.492 | | 1487 | 1548 |
| 6.508 | | 2351 | 2556 |
| 6.563 | | 4682 | 5789 |
| 6.614 | | 3851 | 4184 |
| 6.742 | | 726 | 1438 |
| 6.763 | | 2232 | 2168 |
| 6.924 | | 3040 | 10442 |
| 6.985 | | 3259 | 2542 |
| 7.512 | | 7538 | 10261 |
| 7.971 | | 1571 | 4193 |
| 8.057 | | 10444 | 17732 |
| 8.16 | | 8962 | 15041 |
| 8.365 | | 27372 | 53277 |

9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0054.RAW

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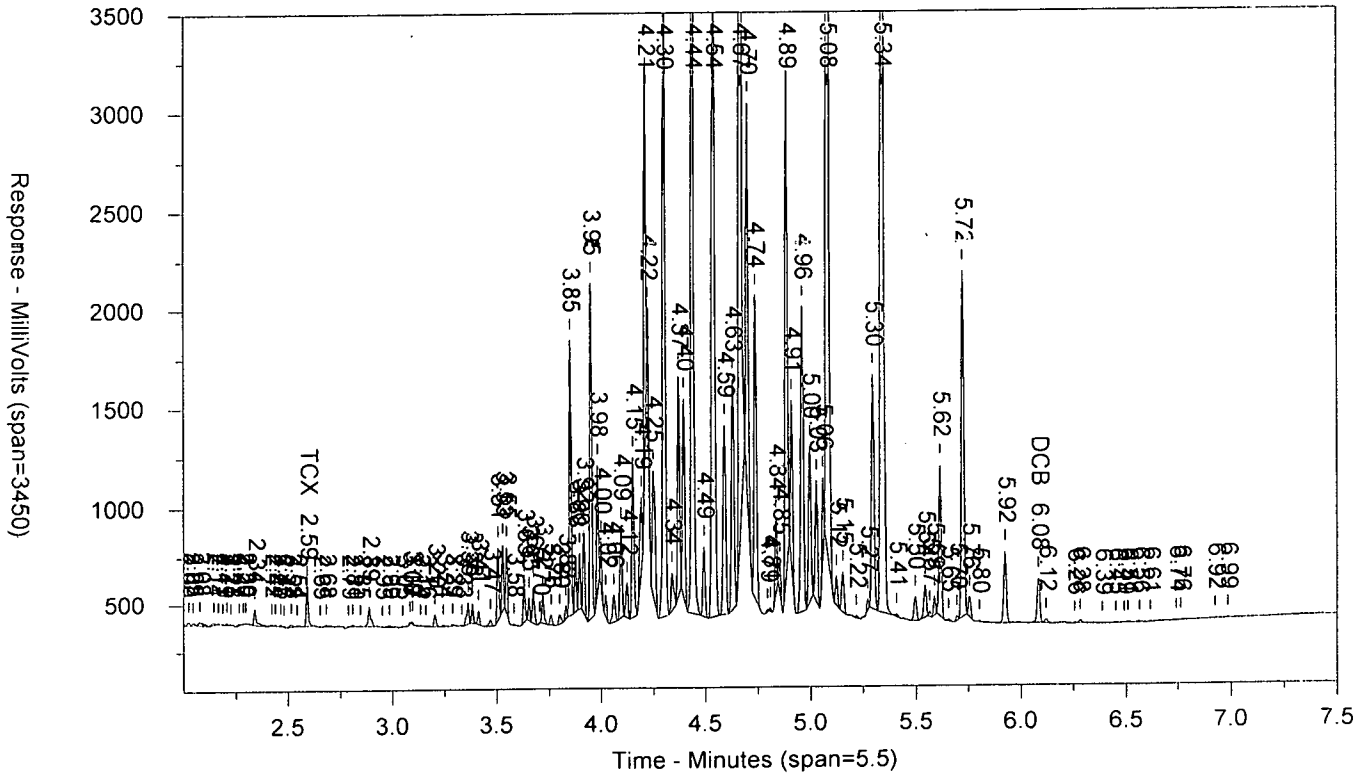


LANCASTER LABORATORIES

Sample Number: 9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:08:25 AM
Sample Weight: 10.31
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

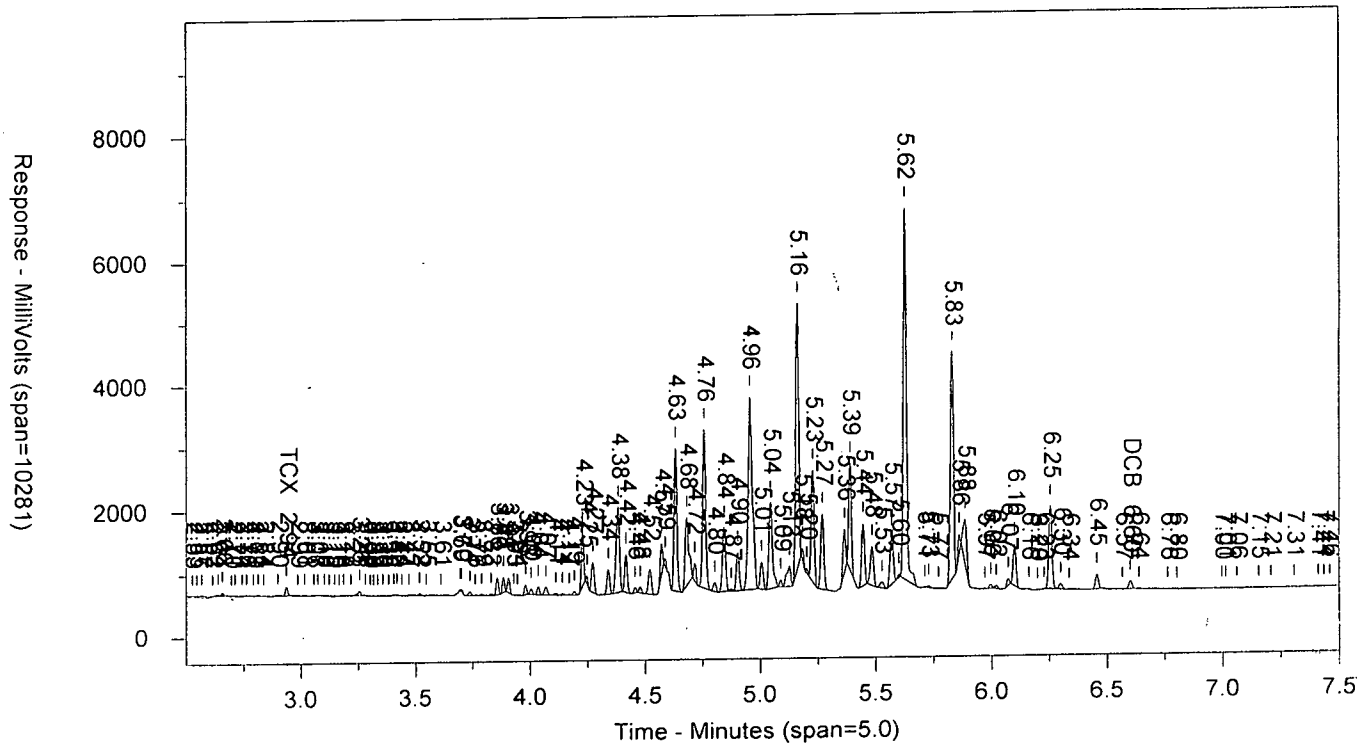
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 150548 | 26.635 | TCX | 2.591 | 212601 | 24.873 | TCX |
| 6.6 | 125479 | 30.157 | DCB | 6.083 | 229762 | 29.435 | DCB |

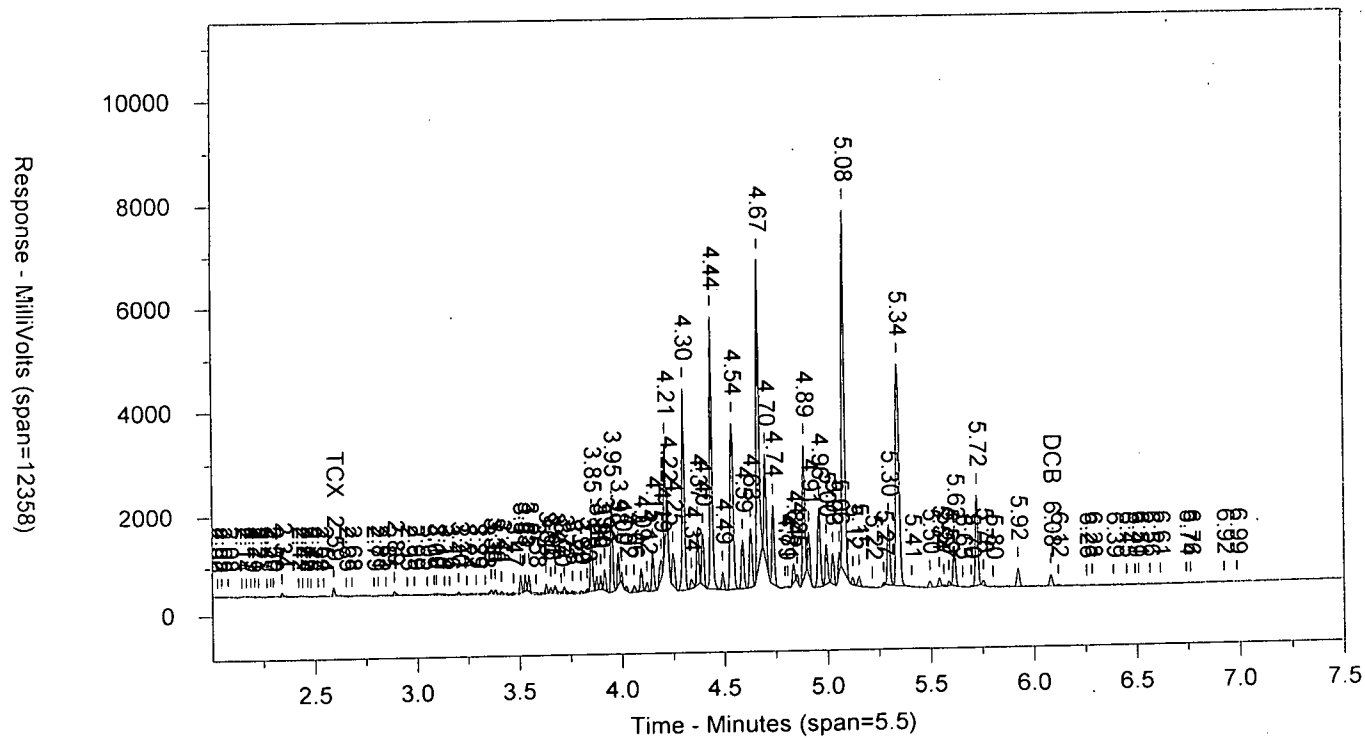
Files:
Area File: 07PCBS17284001.0054.RAW
Area File: 07PCBS17284001B.0054.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:31:40 AM

9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0054.RAW

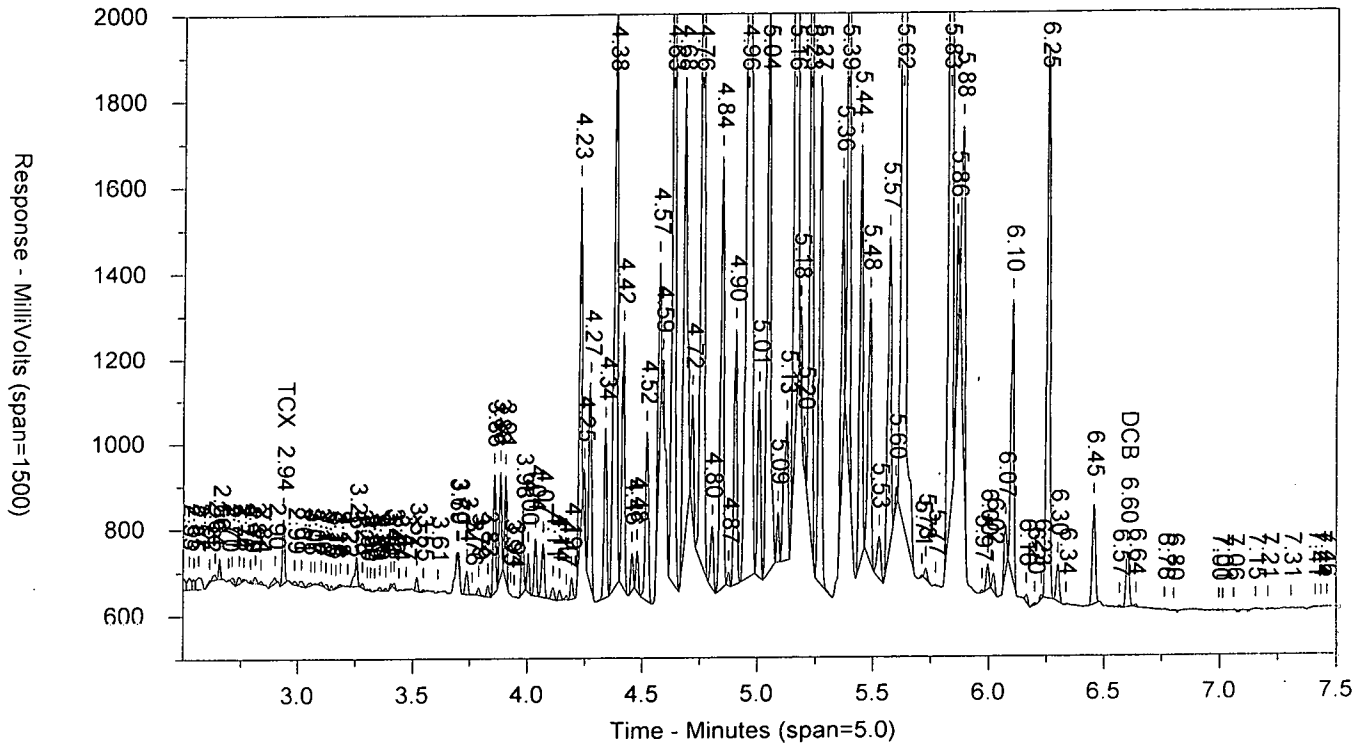



—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0054.RAW



9229481 ACF DF50 AC99A12 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0054.RAW

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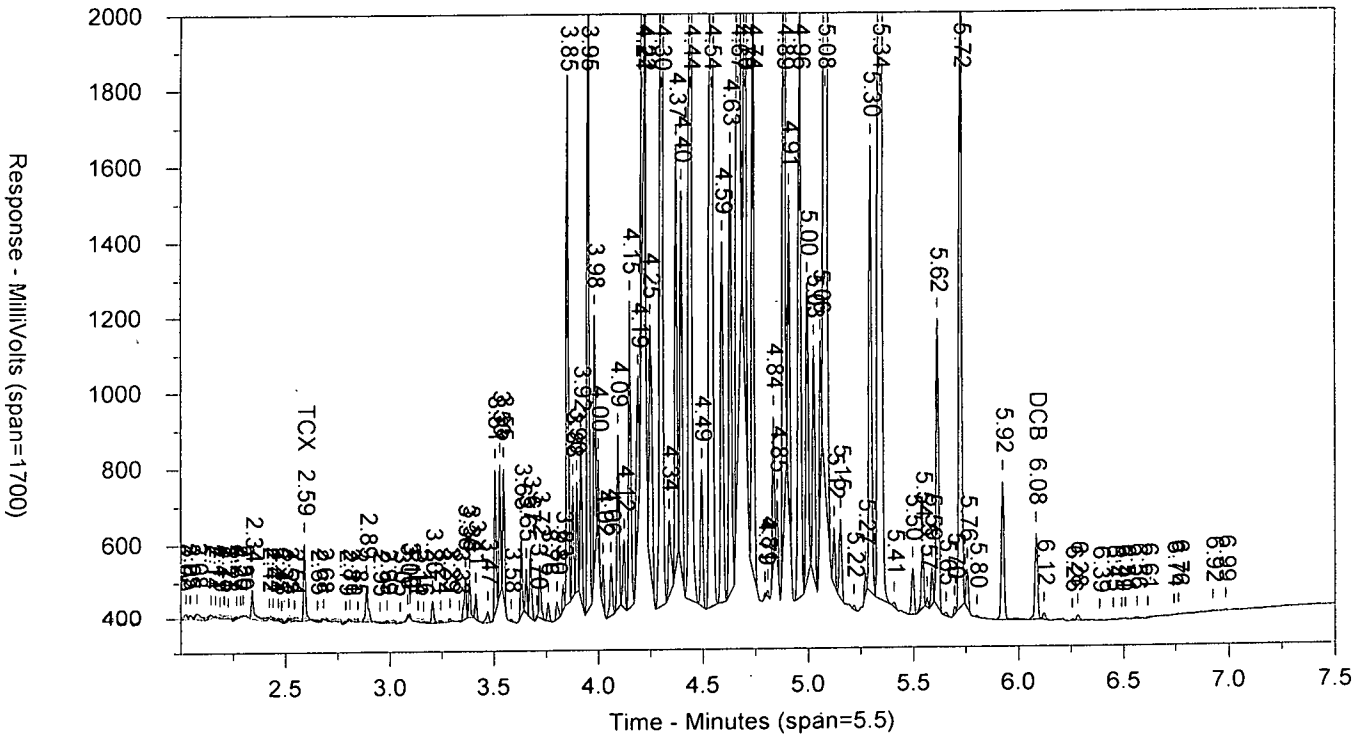

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# Data Summary

**Sample Name: 9229482** ACF DF20 99A13 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:19:55 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0055.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 77% ( 61 - 152 ) Conc: 22.85447
%SSR(DCB) 101% ( 48 - 164 ) Conc: 26.53918

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:19:55 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0055.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 71% ( 61 - 152 ) Conc: 20.95542
%SSR(DCB) 86% ( 48 - 164 ) Conc: 22.58338

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 323581 | 22.85447 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 448663 | 20.95542 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 276596 | 26.53918 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 441559 | 22.58338 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 22.85447 | | | | 8.67 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 22.85447 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 20.95542 | | | | | |
| ☐ | Decachlorobiphenyl | A | 26.53918 | | | | 16.11 | |
| ☑ | Decachlorobiphenyl-D1 | A | 26.53918 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 22.58338 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **13.77** | |
| 4.74 | 4.76 | 4.78 | 2324478 | 3882.092519 | | | 1 |
| 4.94 | 4.96 | 4.98 | 2800931 | 4626.492145 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3707190 | 5036.377207 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1444305 | 3546.258729 | | | 4 |
| 5.61 | 5.63 | 5.65 | 5228152 | 4120.872474 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3201436 | 3716.830201 | | | 6 |

Height summation: **18706492**
Concentration CF: **4154.820546** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **17.21** | |
| 4.42 | 4.44 | 4.46 | 4505506 | 4228.947701 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3103856 | 3881.758079 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5252729 | 5199.335648 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2162947 | 3121.607698 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6340532 | 3898.354984 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3935612 | 3700.41714 | | | 6 |

Height summation: **25301182**
Concentration CF: **4005.070208** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <987.4153 | <191.6747 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <987.4153 | <296.2246 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <987.4153 | <238.1413 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <987.4153 | <238.1413 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <987.4153 | <191.6747 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <987.4153 | <255.5663 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 4154.820546 | 987.4153 | 226.5247 | D1 | 3.67 | 4 | |

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:04

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229482** ACF DF20 99A13 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0055.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 77% (61-152) Conc.: 22.85447
%SSR(DCB) : 101% (48-164) Conc.: 26.53918

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 181.83 | |
| 3.17 | 3.18 | 3.21 | 11990.3 | 48.274226 | | | 1 |
| 3.38 | 3.40 | 3.42 | 15147.86 | 58.175985 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 10495.36 | 40.307866 | | | 2 |
| 3.50 | 3.53 | 3.54 | 11111.06 | 35.526712 | | | 3 |
| 3.71 | 3.73 | 3.75 | 39498.8 | 103.933421 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 4332.652 | 12.950688 | | | 5 |
| 3.77 | 3.79 | 3.81 | 18924.28 | 56.566382 | | | 5 |
| 3.96 | 3.98 | 4.00 | 280694.6 | 1100.135696 | | | 6 |
| Height Summation: | | | **377366.9** | | | | |
| Amount Avg CF: | | | **233.768737** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 61.18 | |
| + 3.07 | 3.07 | 3.11 | 5630.601 | 43.989654 | | | 1 |
| 3.07 | 3.10 | 3.11 | 20663.85 | 161.43847 | | | 1 |
| 3.12 | 3.12 | 3.16 | 17533.38 | 156.254232 | | | 2 |
| + 3.12 | 3.15 | 3.16 | 17160.71 | 152.933066 | | | 2 |
| 3.17 | 3.18 | 3.21 | 11990.3 | 34.518746 | | | 3 |
| Height Summation: | | | **50187.53** | | | | |
| Amount Avg CF: | | | **117.403816** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 194.07 | |
| 3.17 | 3.18 | 3.21 | 11990.3 | 41.537995 | | | 1 |
| 3.38 | 3.40 | 3.42 | 15147.86 | 129.187581 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 10495.36 | 89.509024 | | | 2 |
| 3.50 | 3.53 | 3.54 | 11111.06 | 78.028361 | | | 3 |
| 3.71 | 3.73 | 3.75 | 39498.8 | 229.096962 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 4332.652 | 30.735579 | | | 5 |
| 3.77 | 3.79 | 3.81 | 18924.28 | 134.24773 | | | 5 |
| 3.96 | 3.98 | 4.00 | 280694.6 | 2903.197781 | | | 6 |
| Height Summation: | | | **377366.9** | | | | |
| Amount Avg CF: | | | **585.882735** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 182.64 | |
| 3.17 | 3.18 | 3.21 | 11990.3 | 34.683274 | | | 1 |
| 3.38 | 3.40 | 3.42 | 15147.86 | 43.317024 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 10495.36 | 30.012672 | | | 2 |
| 3.50 | 3.53 | 3.54 | 11111.06 | 26.673648 | | | 3 |
| 3.71 | 3.73 | 3.75 | 39498.8 | 75.719528 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 4332.652 | 9.681105 | | | 5 |
| 3.77 | 3.79 | 3.81 | 18924.28 | 42.285405 | | | 5 |
| 3.96 | 3.98 | 4.00 | 280694.6 | 823.612858 | | | 6 |
| Height Summation: | | | **377366.9** | | | | |
| Amount Avg CF: | | | **174.381956** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0055.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 71% (61-152) Conc.: 20.95542
%SSR(DCB) : 86% (48-164) Conc.: 22.58338

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 90.22 | |
| 2.86 | 2.89 | 2.90 | 159783.5 | 441.920078 | | | 1 |
| 3.19 | 3.21 | 3.23 | 58332.27 | 128.604677 | | | 2 |
| 3.38 | 3.38 | 3.42 | 56742.1 | 121.558851 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 16897.93 | 36.20051 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 41697.69 | 89.329145 | | | 3 |
| 3.45 | 3.47 | 3.49 | 44684.01 | 90.249956 | | | 4 |
| 3.51 | 3.53 | 3.55 | 340042.5 | 911.177659 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 240353.2 | 644.050276 | | | 5 |
| 3.61 | 3.63 | 3.65 | 388254.5 | 917.871435 | | | 6 |
| Height Summation: | | | **1047838.88** | | | | |
| Amount Avg CF: | | | **435.230443** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 73.62 | |
| 2.80 | 2.81 | 2.84 | 13035.07 | 96.732269 | | | 2 |
| 2.86 | 2.89 | 2.90 | 159783.5 | 306.796939 | | | 3 |
| Height Summation: | | | **172818.57** | | | | |
| Amount Avg CF: | | | **201.764604** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 109.51 | |
| 2.86 | 2.89 | 2.90 | 159783.5 | 382.048532 | | | 1 |
| 3.19 | 3.21 | 3.23 | 58332.27 | 280.922929 | | | 2 |
| 3.38 | 3.38 | 3.42 | 56742.1 | 271.15531 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 16897.93 | 80.750685 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 41697.69 | 199.262101 | | | 3 |
| 3.45 | 3.47 | 3.49 | 44684.01 | 211.226088 | | | 4 |
| 3.51 | 3.53 | 3.55 | 340042.5 | 2375.670429 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 240353.2 | 1679.201835 | | | 5 |
| 3.61 | 3.63 | 3.65 | 388254.5 | 2318.989294 | | | 6 |
| Height Summation: | | | **1047838.88** | | | | |
| Amount Avg CF: | | | **973.33543** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 92.26 | |
| 2.86 | 2.89 | 2.90 | 159783.5 | 311.361793 | | | 1 |
| 3.19 | 3.21 | 3.23 | 58332.27 | 93.014613 | | | 2 |
| 3.38 | 3.38 | 3.42 | 56742.1 | 90.554458 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 16897.93 | 26.967329 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 41697.69 | 66.545153 | | | 3 |
| 3.45 | 3.47 | 3.49 | 44684.01 | 65.126909 | | | 4 |
| 3.51 | 3.53 | 3.55 | 340042.5 | 700.493108 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 240353.2 | 495.131521 | | | 5 |
| 3.61 | 3.63 | 3.65 | 388254.5 | 686.331766 | | | 6 |
| Height Summation: | | | **1047838.88** | | | | |
| Amount Avg CF: | | | **324.480441** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229482** ACF DF20 99A13 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0055.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 102.62 | |
| 3.71 | 3.73 | 3.75 | 39498.8 | 233.177365 | | | 1 |
| + 3.77 | 3.77 | 3.81 | 4332.652 | 23.376522 | | | 2 |
| 3.77 | 3.79 | 3.81 | 18924.28 | 102.104636 | | | 2 |
| 3.84 | 3.86 | 3.88 | 423859.9 | 1335.842781 | | | 3 |
| 3.96 | 3.98 | 4.00 | 280694.6 | 788.58546 | | | 4 |
| 4.05 | 4.07 | 4.09 | 165423.8 | 513.407943 | | | 5 |
| 4.23 | 4.23 | 4.27 | 975830.6 | 2725.004929 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 279582.4 | 780.733273 | | | 6 |
| Height Summation: | | | **1904231.98** | | | | |
| Amount Avg CF: | | | **949.687186** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 60.06 | |
| 4.21 | 4.23 | 4.25 | 975830.6 | 2432.414333 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 279582.4 | 696.903988 | | | 1 |
| 4.32 | 4.34 | 4.36 | 378899.9 | 2829.541453 | | | 2 |
| 4.55 | 4.57 | 4.59 | 746933.8 | 1683.72957 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 60440.75 | 136.244843 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2144120 | 2424.456741 | | | 4 |
| 5.02 | 5.05 | 5.06 | 1419448 | 4594.528476 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3707190 | 7477.885112 | | | 6 |
| Height Summation: | | | **9372422.3** | | | | |
| Amount Avg CF: | | | **3573.759281** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 13.77 | |
| 4.74 | 4.76 | 4.78 | 2324478 | 3882.092519 | | | 1 |
| 4.94 | 4.96 | 4.98 | 2800931 | 4626.492145 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3707190 | 5036.377207 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1444305 | 3546.258729 | | | 4 |
| 5.61 | 5.63 | 5.65 | 5228152 | 4120.872474 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3201436 | 3716.830201 | | | 6 |
| Height Summation: | | | **18706492** | | | | |
| Amount Avg CF: | | | **4154.820546** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 36.84 | |
| 5.21 | 5.23 | 5.25 | 1568828 | 2023.39828 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1444305 | 2609.488816 | | | 2 |
| 5.61 | 5.63 | 5.65 | 5228152 | 3549.38601 | | | 3 |
| 5.81 | 5.83 | 5.85 | 3201436 | 2800.174546 | | | 4 |
| 5.87 | 5.89 | 5.91 | 611192.1 | 1061.112791 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1097222 | 1907.955938 | | | 6 |
| Height Summation: | | | **13151135.1** | | | | |
| Amount Avg CF: | | | **2325.25273** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 94.98 | |
| 5.81 | 5.83 | 5.85 | 3201436 | 1446.073681 | | | 1 |
| 5.87 | 5.89 | 5.91 | 611192.1 | 313.278932 | | | 2 |
| 6.00 | 6.02 | 6.04 | 37873.35 | 21.94168 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 104968 | 243.561956 | | | 4 |
| 6.06 | 6.10 | 6.10 | 560718.3 | 1301.059807 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1097222 | 1744.2176 | | | 5 |
| 6.43 | 6.46 | 6.47 | 198252.3 | 44.190517 | | | 6 |
| Height Summation: | | | **5706694.05** | | | | |
| Amount Avg CF: | | | **811.793703** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0055.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 94.17 | |
| 3.38 | 3.38 | 3.42 | 56742.1 | 298.60327 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 16897.93 | 88.924752 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 41697.69 | 219.432601 | | | 1 |
| 3.45 | 3.47 | 3.49 | 44684.01 | 158.743962 | | | 2 |
| 3.49 | 3.51 | 3.53 | 572858.8 | 1194.471769 | | | 3 |
| 3.61 | 3.63 | 3.65 | 388254.5 | 681.310748 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 10958.34 | 26.568075 | | | 5 |
| 3.70 | 3.72 | 3.74 | 204667 | 496.207287 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1831742 | 2350.405371 | | | 6 |
| Height Summation: | | | **3098948.41** | | | | |
| Amount Avg CF: | | | **863.290401** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 64.04 | |
| + 4.19 | 4.19 | 4.23 | 314758.6 | 267.81145 | | | 1 |
| 4.19 | 4.21 | 4.23 | 2370816 | 2017.20198 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3589622 | 6317.67032 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1561936 | 2382.877229 | | | 3 |
| 4.42 | 4.44 | 4.46 | 4505506 | 9680.003483 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1187271 | 2339.729772 | | | 5 |
| 4.65 | 4.67 | 4.69 | 5252729 | 6225.1807 | | | 6 |
| Height Summation: | | | **18467880** | | | | |
| Amount Avg CF: | | | **4827.110581** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 17.21 | |
| 4.42 | 4.44 | 4.46 | 4505506 | 4228.947701 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3103856 | 3881.758079 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5252729 | 5199.335648 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2162947 | 3121.607698 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6340532 | 3898.354984 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3935612 | 3700.41714 | | | 6 |
| Height Summation: | | | **25301182** | | | | |
| Amount Avg CF: | | | **4005.070208** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.65 | |
| 4.68 | 4.70 | 4.72 | 1715468 | 1564.130431 | | | 1 |
| 4.87 | 4.89 | 4.91 | 2162947 | 2011.909237 | | | 2 |
| 5.06 | 5.08 | 5.10 | 6340532 | 2953.08517 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1020017 | 1166.771437 | | | 4 |
| 5.33 | 5.34 | 5.36 | 3935612 | 2778.104326 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1555760 | 1869.168303 | | | 6 |
| Height Summation: | | | **16730336** | | | | |
| Amount Avg CF: | | | **2057.194817** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 124.03 | |
| 5.28 | 5.30 | 5.32 | 1020017 | 408.335931 | | | 1 |
| 5.33 | 5.34 | 5.36 | 3935612 | 1671.904917 | | | 2 |
| 5.48 | 5.50 | 5.52 | 123564.4 | 55.633225 | | | 3 |
| 5.55 | 5.57 | 5.59 | 23773.76 | 41.232738 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1555760 | 1672.36554 | | | 5 |
| 5.90 | 5.93 | 5.94 | 320638.5 | 43.958933 | | | 6 |
| Height Summation: | | | **6979365.66** | | | | |
| Amount Avg CF: | | | **648.905214** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229482** ACF DF20 99A13 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0055.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:19:55
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0055.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 987.4153 | 191.6747 | | ** 60.23 | 4 | 40 | |
| Aroclor-1221 | | | 987.4153 | 296.2246 | | ** 52.86 | 3 | 40 | |
| Aroclor-1232 | | | 987.4153 | 238.1413 | | ** 49.70 | 4 | 40 | |
| Aroclor-1242 | | | 987.4153 | 238.1413 | | ** 60.18 | 4 | 40 | |
| Aroclor-1248 | | | 987.4153 | 191.6747 | | 9.53 | 4 | 40 | |
| Aroclor-1254 | | | 987.4153 | 255.5663 | | 29.84 | 4 | 40 | |
| Aroclor-1260 | | | 987.4153 | 226.5247 | | 3.67 | 4 | 40 | |
| Aroclor-1262 | | | 987.4153 | 191.6747 | | 12.23 | 4 | 40 | |
| Aroclor-1268 | | | 987.4153 | 191.6747 | | 22.30 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:19:55 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0055.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.526 | | 53446 | 150129 |
| 1.583 | | 91388 | 90737 |
| 1.634 | | 49499 | 113023 |
| 1.662 | | 49986 | 52084 |
| 1.688 | | 39062 | 36938 |
| 1.737 | | 55631 | 86106 |
| 1.757 | | 43135 | 39108 |
| 1.775 | | 26790 | 21857 |
| 1.789 | | 24953 | 15995 |
| 1.816 | | 21139 | 18870 |
| 1.837 | | 41012 | 28917 |
| 1.862 | | 26470 | 22852 |
| 1.888 | | 29923 | 46117 |
| 1.927 | | 38464 | 28382 |
| 1.947 | | 43464 | 37566 |
| 1.971 | | 20228 | 10625 |
| 1.994 | | 37375 | 26696 |
| 2.011 | | 58968 | 61829 |
| 2.033 | | 46389 | 40771 |
| 2.058 | | 57072 | 62812 |
| 2.081 | | 45452 | 60591 |
| 2.102 | | 44066 | 27573 |
| 2.118 | | 72950 | 89517 |
| 2.139 | | 56987 | 49915 |
| 2.157 | | 70491 | 58545 |
| 2.183 | | 50750 | 47959 |
| 2.208 | | 70377 | 68057 |
| 2.232 | | 61227 | 53910 |
| 2.285 | | 51244 | 87738 |
| 2.321 | | 61639 | 50029 |
| 2.335 | | 34284 | 17871 |
| 2.353 | | 19644 | 13031 |
| 2.397 | | 69268 | 103489 |
| 2.436 | | 45385 | 53225 |
| 2.456 | | 56820 | 82354 |
| 2.489 | | 53973 | 49975 |
| 2.524 | | 43594 | 53061 |
| 2.547 | | 43350 | 36433 |
| 2.576 | | 51636 | 80606 |
| 2.617 | | 11383 | 8894 |
| 2.635 | | 34753 | 34642 |
| 2.658 | | 34960 | 16413 |
| 2.675 | | 9256 | 5992 |
| 2.699 | | 7115 | 3846 |
| 2.714 | | 21152 | 19537 |
| 2.743 | | 35796 | 28567 |
| 2.763 | | 21997 | 24834 |
| 2.795 | | 13146 | 5475 |
| 2.813 | | 29699 | 23499 |
| 2.842 | | 12698 | 13265 |
| 2.897 | | 125178 | 102029 |
| 2.937 | TCX | 323581 | 253503 |
| 2.987 | | 18367 | 15873 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.015 | | 30774 | 32066 |
| 3.057 | | 10642 | 12920 |
| 3.072 | | 5631 | 2614 |
| 3.102 | | 20664 | 18663 |
| 3.122 | | 17533 | 13989 |
| 3.147 | | 17161 | 8703 |
| 3.165 | | 10242 | 4802 |
| 3.181 | | 11990 | 8732 |
| 3.219 | | 23126 | 12406 |
| 3.235 | | 31475 | 19622 |
| 3.255 | | 152146 | 92039 |
| 3.283 | | 54496 | 38509 |
| 3.303 | | 10904 | 4431 |
| 3.334 | | 8306 | 3984 |
| 3.359 | | 16236 | 14826 |
| 3.382 | | 16103 | 9649 |
| 3.405 | | 15148 | 9242 |
| 3.42 | | 10495 | 5658 |
| 3.449 | | 3845 | 2804 |
| 3.476 | | 7570 | 4265 |
| 3.495 | | 24601 | 22029 |
| 3.526 | | 11111 | 10818 |
| 3.549 | | 19021 | 10173 |
| 3.561 | | 9005 | 3762 |
| 3.58 | | 40797 | 33701 |
| 3.605 | | 3579 | 1485 |
| 3.629 | | 21630 | 27401 |
| 3.683 | | 19487 | 11443 |
| 3.694 | | 19708 | 7605 |
| 3.734 | | 39499 | 39386 |
| 3.775 | | 4333 | 6153 |
| 3.79 | | 18924 | 10565 |
| 3.833 | | 26747 | 20377 |
| 3.858 | | 423860 | 299033 |
| 3.884 | | 232329 | 156876 |
| 3.906 | | 167807 | 108581 |
| 3.929 | | 7676 | 4092 |
| 3.955 | | 14460 | 12444 |
| 3.981 | | 280695 | 200927 |
| 4.005 | | 66492 | 39337 |
| 4.036 | | 80068 | 50318 |
| 4.07 | | 165424 | 142516 |
| 4.11 | | 33158 | 27984 |
| 4.143 | | 25458 | 26217 |
| 4.172 | | 19154 | 13362 |
| 4.194 | | 58740 | 49266 |
| 4.229 | | 975831 | 685573 |
| 4.247 | | 279582 | 151019 |
| 4.272 | | 420086 | 340300 |
| 4.341 | | 378900 | 324742 |
| 4.383 | | 1732520 | 1676003 |
| 4.417 | | 626137 | 494780 |
| 4.458 | | 46503 | 32474 |
| 4.48 | | 93455 | 67298 |
| 4.521 | | 513481 | 441440 |
| 4.572 | | 746934 | 564732 |
| 4.587 | | 60441 | 26986 |
| 4.602 | | 91408 | 45204 |
| 4.633 | | 2144120 | 1853480 |
| 4.682 | | 949186 | 1024113 |
| 4.718 | | 338062 | 244686 |
| 4.757 | | 2324478 | 2161908 |
| 4.804 | | 154469 | 135028 |
| 4.844 | | 1333077 | 1234102 |
| 4.876 | | 33590 | 20544 |
| 4.904 | | 481927 | 442248 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.956 | | 2800931 | 3672147 |
| 5.007 | | 401626 | 355945 |
| 5.046 | | 1419448 | 1582410 |
| 5.09 | | 90129 | 59268 |
| 5.127 | | 295828 | 367698 |
| 5.161 | | 3707190 | 3361038 |
| 5.183 | | 198602 | 100699 |
| 5.203 | | 80561 | 39089 |
| 5.227 | | 1568828 | 1376030 |
| 5.269 | | 1047903 | 1043883 |
| 5.303 | | 6096 | 6506 |
| 5.365 | | 586887 | 470168 |
| 5.389 | | 1444305 | 1207100 |
| 5.445 | | 895126 | 795203 |
| 5.484 | | 572829 | 582803 |
| 5.526 | | 94131 | 116526 |
| 5.568 | | 750538 | 793458 |
| 5.6 | | 48964 | 31841 |
| 5.625 | | 5228153 | 4788275 |
| 5.66 | | 40919 | 30709 |
| 5.73 | | 42887 | 41511 |
| 5.83 | | 3201436 | 2994070 |
| 5.861 | | 254451 | 202576 |
| 5.886 | | 611192 | 626643 |
| 5.972 | | 7081 | 6045 |
| 5.997 | | 65313 | 51760 |
| 6.021 | | 37873 | 28029 |
| 6.072 | | 104968 | 80932 |
| 6.1 | | 560718 | 510472 |
| 6.165 | | 19565 | 21631 |
| 6.228 | | 7522 | 5143 |
| 6.255 | | 1097222 | 1103377 |
| 6.3 | | 75749 | 68874 |
| 6.39 | | 1289 | 497 |
| 6.455 | | 198252 | 184153 |
| 6.481 | | 5636 | 3933 |
| 6.515 | | 3505 | 2850 |
| 6.567 | | 3465 | 2595 |
| 6.601 | DCB | 276596 | 272988 |
| 6.638 | | 3430 | 1936 |
| 6.804 | | 1635 | 1496 |
| 6.854 | | 6122 | 10936 |
| 6.954 | | 1114 | 282 |
| 7.054 | | 2232 | 1947 |
| 7.107 | | 2628 | 2266 |
| 7.154 | | 2399 | 2598 |
| 7.201 | | 1526 | 524 |
| 7.244 | | 1683 | 918 |
| 7.275 | | 2334 | 1341 |
| 7.31 | | 2316 | 1739 |
| 7.34 | | 1509 | 789 |
| 7.404 | | 2662 | 3266 |
| 7.422 | | 2139 | 1121 |
| 7.45 | | 2260 | 639 |
| 7.467 | | 1124 | 635 |
| 7.515 | | 1211 | 1433 |
| 7.532 | | 1520 | 382 |
| 7.595 | | 2247 | 1808 |
| 7.618 | | 1148 | 282 |
| 7.653 | | 1195 | 435 |
| 7.679 | | 2466 | 1156 |
| 7.733 | | 3313 | 4048 |
| 7.784 | | 1609 | 1820 |
| 7.799 | | 1779 | 768 |
| 7.825 | | 936 | 750 |
| 7.904 | | 1272 | 1689 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.95 | | 18807 | 31474 |
| 8.035 | | 1476 | 1165 |
| 8.191 | | 1392 | 428 |
| 8.264 | | 1799 | 1457 |
| 8.292 | | 1849 | 868 |
| 8.323 | | 1709 | 1137 |
| 8.368 | | 1529 | 1698 |
| 8.384 | | 1463 | 672 |
| 8.528 | | 1670 | 593 |
| 8.564 | | 1419 | 1629 |
| 8.612 | | 1559 | 369 |

LANCASTER LABORATORIES

Sample Number: 9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:19:55 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0055.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

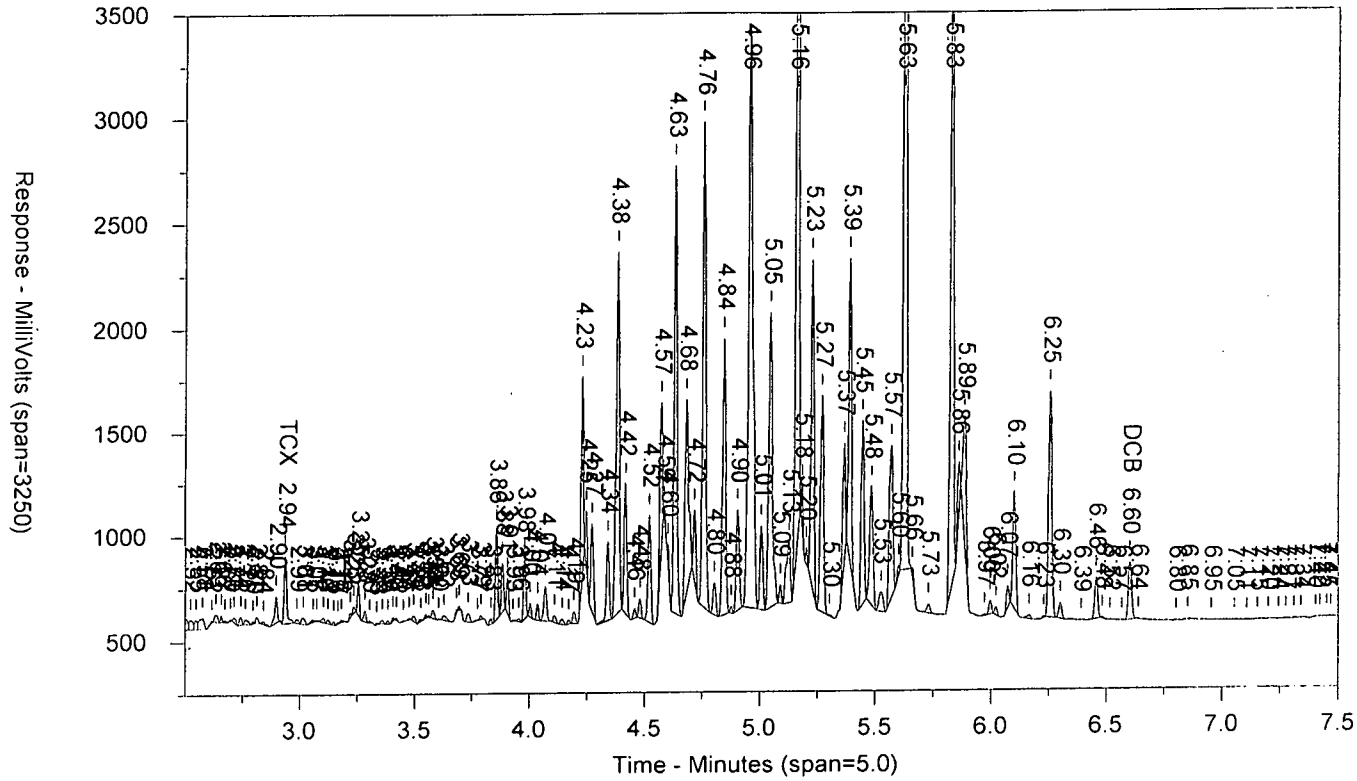
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.507 | | 7850 | 3930 |
| 1.529 | | 8627 | 4914 |
| 1.555 | | 18099 | 18174 |
| 1.583 | | 14053 | 14471 |
| 1.619 | | 22528 | 37664 |
| 1.648 | | 15003 | 14729 |
| 1.688 | | 19877 | 28468 |
| 1.71 | | 21064 | 24377 |
| 1.743 | | 17929 | 16172 |
| 1.769 | | 26521 | 27640 |
| 1.815 | | 24909 | 52434 |
| 1.837 | | 20069 | 17622 |
| 1.856 | | 24603 | 27942 |
| 1.878 | | 24081 | 16281 |
| 1.901 | | 31988 | 28570 |
| 1.932 | | 68868 | 61701 |
| 1.957 | | 24777 | 22557 |
| 1.981 | | 23163 | 26496 |
| 1.999 | | 15460 | 9790 |
| 2.026 | | 19800 | 19003 |
| 2:045 | | 16513 | 15892 |
| 2.078 | | 17825 | 19082 |
| 2.142 | | 18666 | 18168 |
| 2.167 | | 6873 | 4139 |
| 2.206 | | 11323 | 6196 |
| 2.225 | | 6050 | 3142 |
| 2.266 | | 7219 | 6401 |
| 2.286 | | 7771 | 3990 |
| 2.297 | | 9452 | 4504 |
| 2.34 | | 71893 | 49081 |
| 2.42 | | 6121 | 3979 |
| 2.439 | | 5215 | 2369 |
| 2.466 | | 11887 | 12102 |
| 2.515 | | 13935 | 14385 |
| 2.591 | TCX | 448663 | 308662 |
| 2.624 | | 14056 | 6133 |
| 2.652 | | 5312 | 2730 |
| 2.683 | | 9187 | 8781 |
| 2.709 | | 3291 | 2041 |
| 2.788 | | 6021 | 3229 |
| 2.809 | | 13035 | 12658 |
| 2.847 | | 4312 | 2030 |
| 2.888 | | 159784 | 117572 |
| 2.92 | | 21249 | 12747 |
| 2.947 | | 38855 | 23838 |
| 2.984 | | 21960 | 28751 |
| 3.049 | | 4955 | 3077 |
| 3.084 | | 23152 | 10824 |
| 3.095 | | 12009 | 4796 |
| 3.128 | | 7604 | 7487 |
| 3.163 | | 9005 | 5614 |
| 3.205 | | 58332 | 50572 |
| 3.245 | | 16102 | 15812 |
| 3.27 | | 3214 | 1234 |

| | | |
|---|---|---|
| 3.288 | 11290 | 7399 |
| 3.317 | 26575 | 28950 |
| 3.363 | 118132 | 104756 |
| 3.383 | 56742 | 27590 |
| 3.397 | 16898 | 6257 |
| 3.413 | 41698 | 21584 |
| 3.451 | 5191 | 2517 |
| 3.47 | 44684 | 29231 |
| 3.506 | 572859 | 352602 |
| 3.528 | 340043 | 183198 |
| 3.546 | 240353 | 131595 |
| 3.583 | 16554 | 11063 |
| 3.61 | 3471 | 3528 |
| 3.631 | 388255 | 245120 |
| 3.654 | 101683 | 54799 |
| 3.674 | 130588 | 89845 |
| 3.704 | 10958 | 4862 |
| 3.72 | 204667 | 131744 |
| 3.76 | 54148 | 36403 |
| 3.802 | 45935 | 37144 |
| 3.831 | 154257 | 89169 |
| 3.853 | 1831742 | 1205479 |
| 3.878 | 311055 | 174785 |
| 3.897 | 237262 | 131767 |
| 3.917 | 422198 | 275811 |
| 3.952 | 2031541 | 1427495 |
| 3.983 | 661939 | 409746 |
| 4 | 266063 | 129234 |
| 4.021 | 34199 | 17597 |
| 4.061 | 137125 | 107851 |
| 4.095 | 570886 | 412098 |
| 4.124 | 191099 | 133506 |
| 4.151 | 1214685 | 861663 |
| 4.192 | 314759 | 323201 |
| 4.211 | 2370816 | 2367531 |
| 4.25 | 540977 | 542788 |
| 4.302 | 3589622 | 2809577 |
| 4.339 | 205253 | 177245 |
| 4.372 | 1561936 | 1085363 |
| 4.396 | 838758 | 600738 |
| 4.439 | 4505507 | 3682868 |
| 4.493 | 542170 | 405013 |
| 4.54 | 3103856 | 3086402 |
| 4.589 | 1187271 | 1016299 |
| 4.632 | 1006401 | 882295 |
| 4.668 | 5252729 | 4450737 |
| 4.7 | 1715468 | 1205176 |
| 4.738 | 1417087 | 1118267 |
| 4.779 | 5437 | 2521 |
| 4.809 | 22280 | 21169 |
| 4.837 | 319294 | 220435 |
| 4.854 | 124113 | 76807 |
| 4.888 | 2162947 | 1645258 |
| 4.91 | 625748 | 431767 |
| 4.961 | 1373025 | 1222135 |
| 4.996 | 710410 | 573640 |
| 5.027 | 501384 | 412524 |
| 5.059 | 461417 | 295919 |
| 5.082 | 6340532 | 5107487 |
| 5.123 | 139798 | 98057 |
| 5.154 | 178991 | 147211 |
| 5.274 | 56212 | 35571 |
| 5.298 | 1020017 | 856938 |
| 5.342 | 3935612 | 4238488 |
| 5.41 | 14007 | 10901 |
| 5.497 | 123564 | 102944 |
| 5.545 | 156817 | 125180 |

| | | | |
|---|---|---|---|
| 5.567 | | 23774 | 13413 |
| 5.59 | | 84129 | 54971 |
| 5.616 | | 655216 | 545546 |
| 5.657 | | 8854 | 9708 |
| 5.698 | | 14561 | 9122 |
| 5.725 | | 1555760 | 1295227 |
| 5.756 | | 94440 | 69930 |
| 5.802 | | 5891 | 4568 |
| 5.925 | | 320639 | 284925 |
| 5.991 | | 4601 | 4024 |
| 6.084 | DCB | 441559 | 401366 |
| 6.12 | | 12707 | 11474 |
| 6.26 | | 7618 | 5400 |
| 6.283 | | 50102 | 41095 |
| 6.353 | | 1704 | 1115 |
| 6.39 | | 1467 | 1452 |
| 6.455 | | 3485 | 3599 |
| 6.513 | | 2783 | 5573 |
| 6.564 | | 2451 | 3346 |
| 6.587 | | 1722 | 947 |
| 6.617 | | 2716 | 2264 |
| 6.763 | | 3729 | 5879 |
| 6.846 | | 1765 | 1396 |
| 6.986 | | 6425 | 17038 |
| 7.151 | | 514 | 7738 |
| 7.279 | | 2104 | 2314 |
| 7.37 | | 1810 | 4507 |
| 7.512 | | 32211 | 43517 |
| 7.714 | | 4576 | 8023 |
| 7.819 | | 2391 | 3433 |
| 8.081 | | 2540 | 6351 |
| 8.161 | | 9343 | 15902 |
| 8.307 | | 2289 | 5680 |
| 8.533 | | 990 | 3732 |

9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0055.RAW

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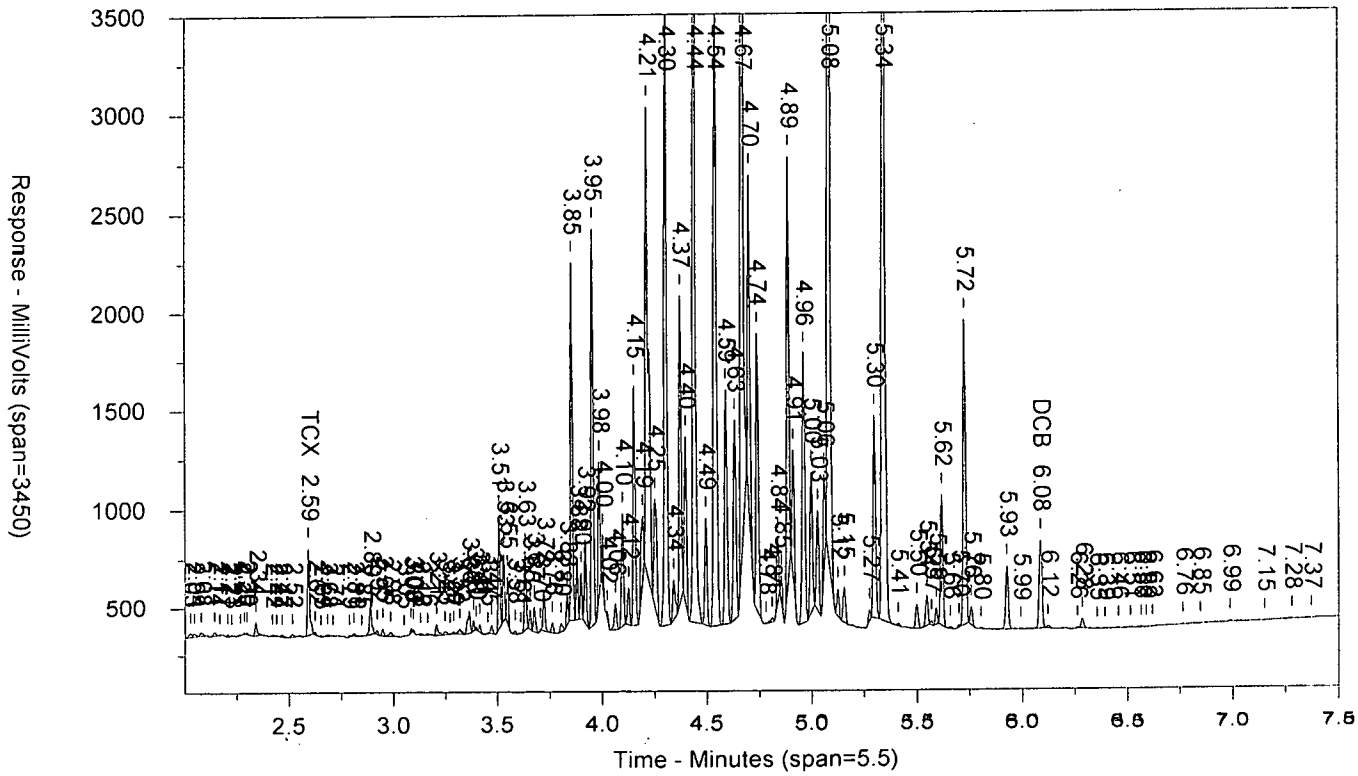


LANCASTER LABORATORIES

Sample Number: 9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:19:55 AM
Sample Weight: 10.33
Dilution Factor: 200
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

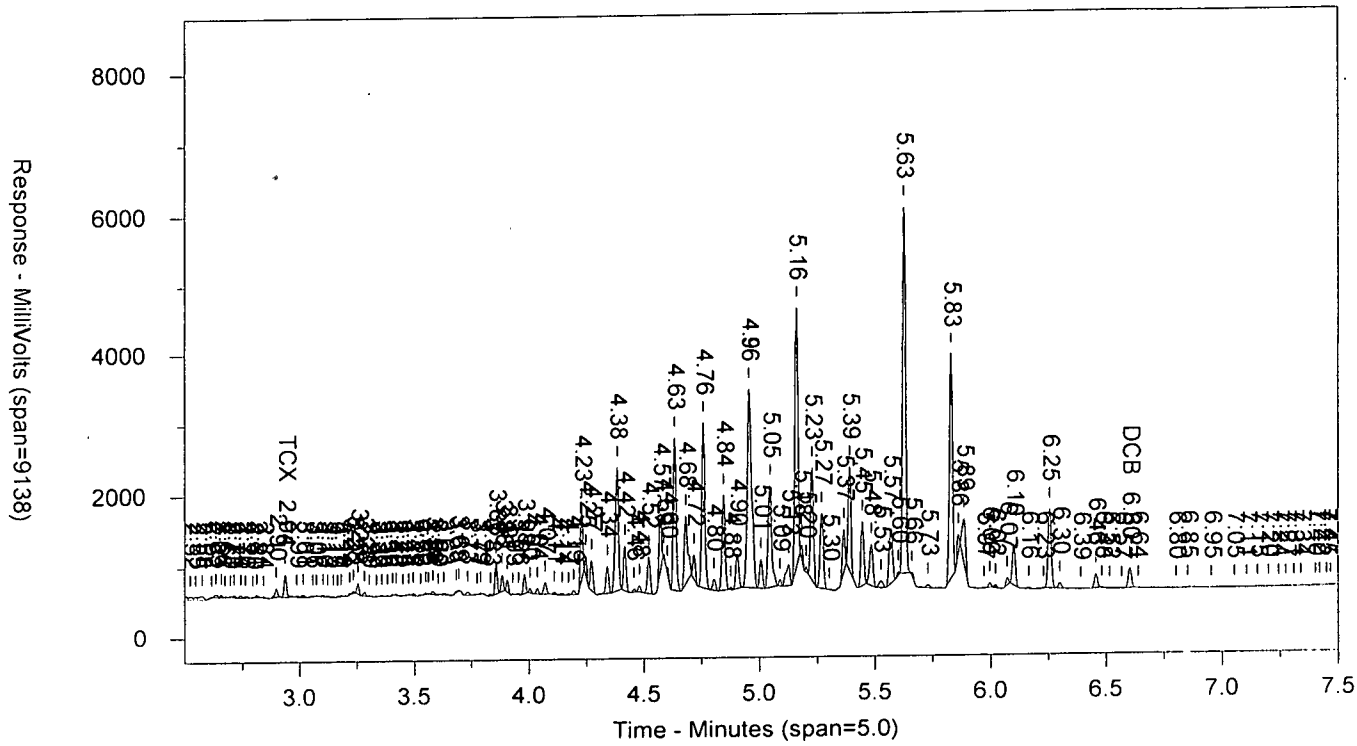
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 323581 | 22.854 | TCX | 2.591 | 448663 | 20.955 | TCX |
| 6.601 | 276596 | 26.539 | DCB | 6.084 | 441559 | 22.583 | DCB |

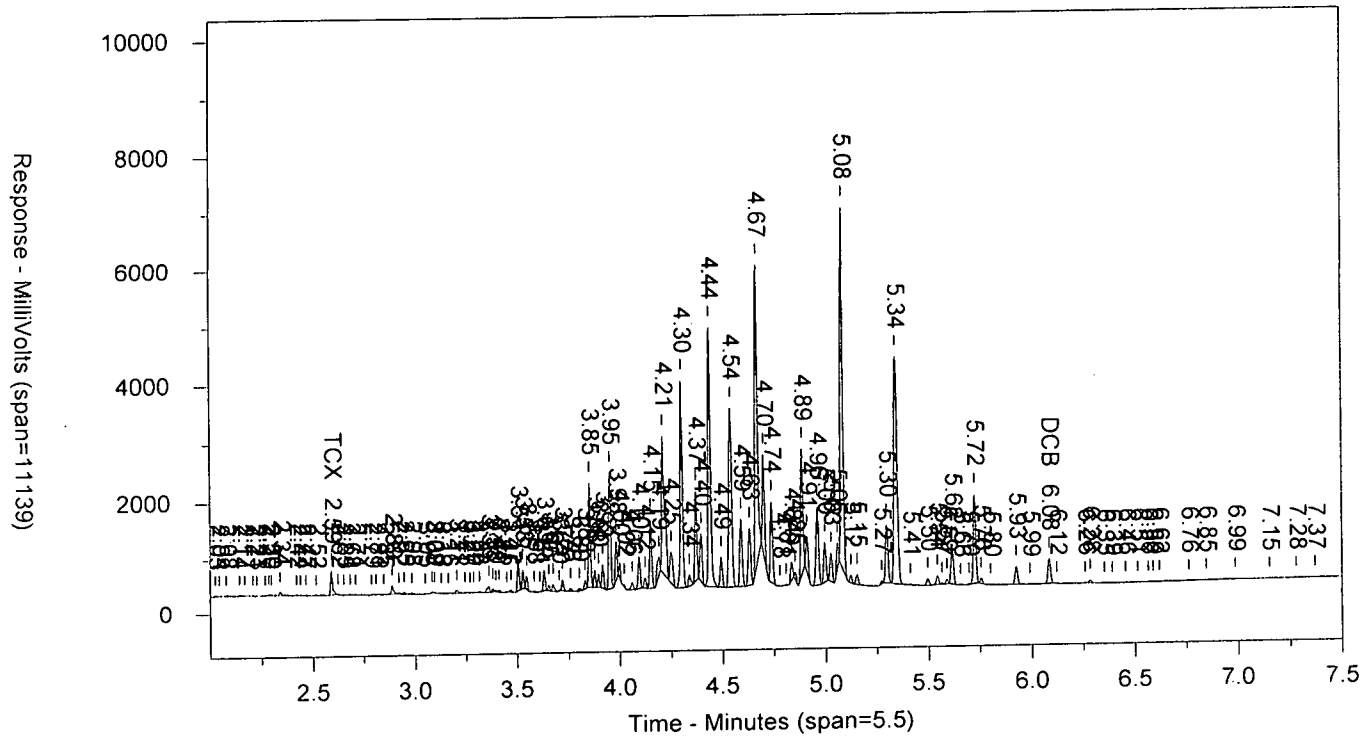
Files:
Area File: 07PCBS17284001.0055.RAW
Area File: 07PCBS17284001B.0055.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:32:00 AM

9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0055.RAW

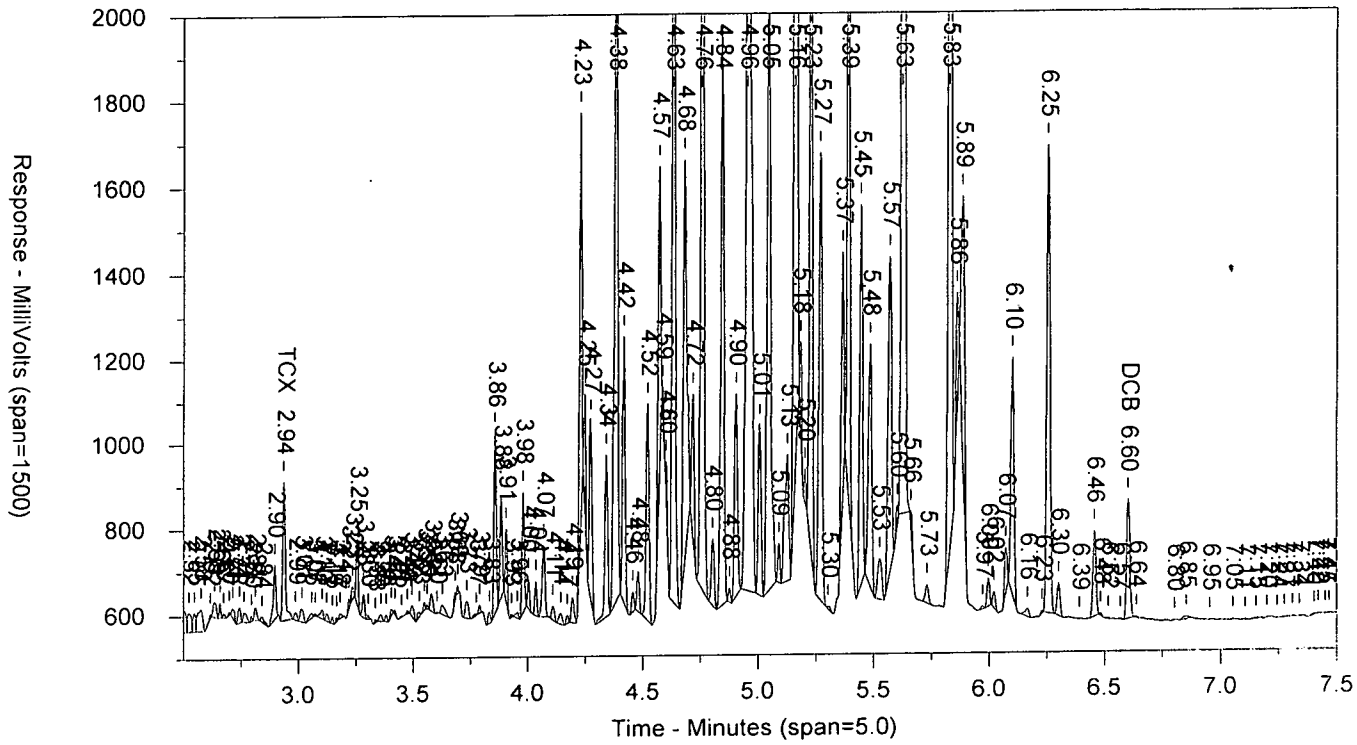



—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0055.RAW

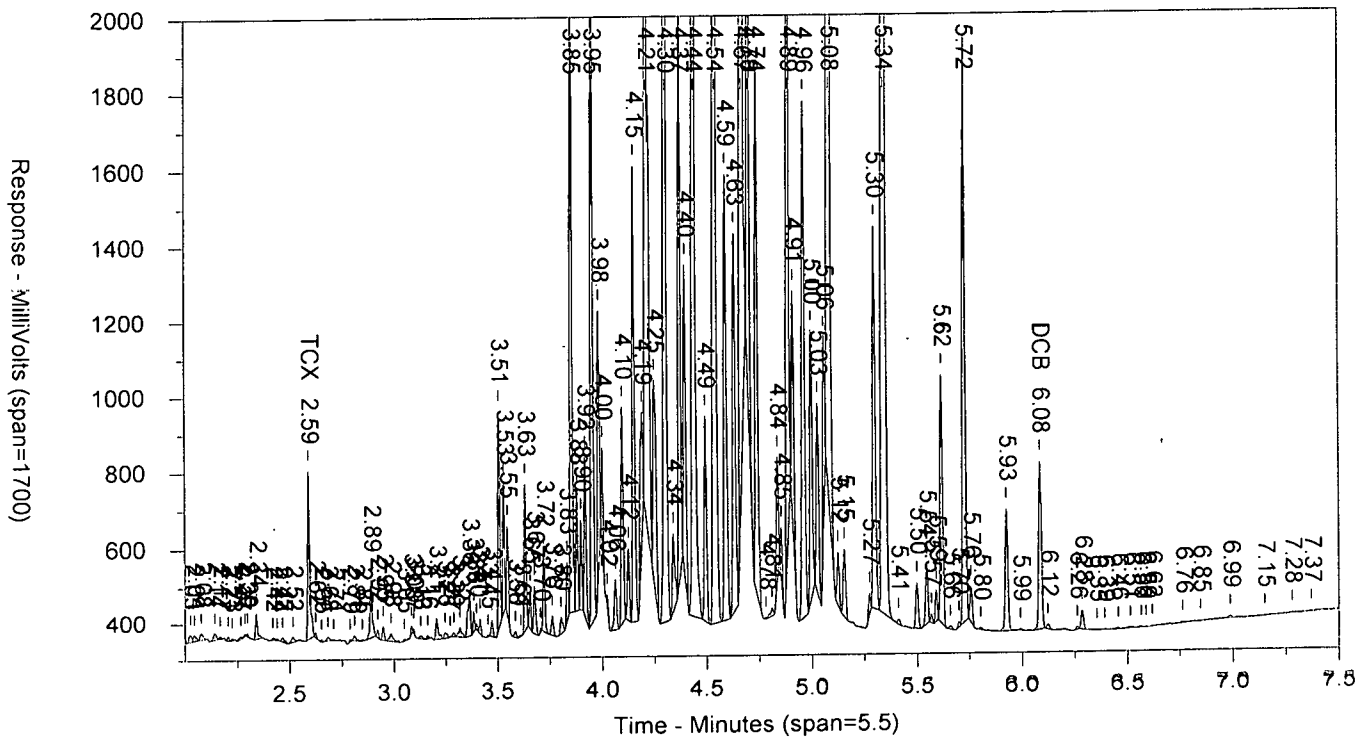


9229482 ACF DF20 AC99A13 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0055.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0055.RAW



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# Data Summary

**Sample Name: 9229483** ACF DF100 99A14 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.04 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:31:24 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0056.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 91% ( 61 - 152 ) Conc: 27.57362
%SSR(DCB) 136% ( 48 - 164 ) Conc: 36.86604

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:31:24 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0056.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 89% ( 61 - 152 ) Conc: 26.98186
%SSR(DCB) 141% ( 48 - 164 ) Conc: 38.04036

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 75887 | 27.57362 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 74687 | 36.86604 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 112295 | 26.98186 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 144580 | 38.04036 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 27.57362 | | | | 2.17 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 27.57362 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 26.98186 | | | | | |
| ☐ | Decachlorobiphenyl | B | 38.04036 | | | | 3.14 | |
| ☑ | Decachlorobiphenyl-D1 | A | 36.86604 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 38.04036 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **13.95** | |
| 4.21 | 4.23 | 4.25 | 2136881 | 27401.86181 | | | 1 |
| 4.61 | 4.63 | 4.65 | 6237148 | 36281.732266 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1987897 | 33101.826012 | | | 5 |
| Height summation: | | | **10361926** | | | | |
| Concentration | | CF: | **32261.806696** | L: | | | |
| **Aroclor-1260** | | | | | | **3.26** | |
| 5.37 | 5.39 | 5.41 | 1117814 | 14119.446128 | | | 4 |
| 5.61 | 5.62 | 5.65 | 3689674 | 14961.170711 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2500716 | 14935.813532 | | | 6 |
| Height summation: | | | **7308204** | | | | |
| Concentration | | CF: | **14672.143457** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | | **14.34** | |
| 4.19 | 4.21 | 4.23 | 7635284 | 33420.530932 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4927704 | 44615.8803 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4981562 | 39096.743517 | | | 3 |
| Height summation: | | | **17544550** | | | | |
| Concentration | | CF: | **39044.384916** | L: | | | |
| **Aroclor-1260** | | | | | | **10.32** | |
| 4.87 | 4.89 | 4.91 | 1622108 | 12043.392059 | | | 4 |
| 5.06 | 5.08 | 5.10 | 4457654 | 14099.33578 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3046083 | 14733.867288 | | | 6 |
| Height summation: | | | **9125845** | | | | |
| Concentration | | CF: | **13625.531709** | L: | | | |

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:06

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# Data Summary

**Sample Name: 9229483** ACF DF100 99A14 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.04 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:31:24 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0056.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:31:24 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0056.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <5079.6812 | <986.0558 | D1 | | 4 | |
| ☑ PCB-1221 | | | <5079.6812 | <1523.9044 | D1 | | 3 | |
| ☑ PCB-1232 | | | <5079.6812 | <1225.0996 | D1 | | 4 | |
| ☑ PCB-1242 | | | <5079.6812 | <1225.0996 | D1 | | 4 | |
| ☑ PCB-1248 | | | <5079.6812 | <986.0558 | D1 | | 4 | |
| ☑ PCB-1254 | A | 32261.806696 | 5079.6812 | 1314.741 | D1 | 19.02 | 4 | |
| ☑ PCB-1260 | A | 14672.143457 | 5079.6812 | 1165.3386 | D1 | 7.40 | 4 | |

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:06

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229483** ACF DF100 99A14 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.04 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0056.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.57362
%SSR(DCB) : 136% (48-164) Conc.: 36.86604 6.0

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 93.54 | |
| 3.17 | 3.19 | 3.21 | 25209.45 | 522.137942 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 75025.29 | 1482.302218 | | | 2 |
| 3.38 | 3.42 | 3.42 | 114572 | 2263.641097 | | | 2 |
| 3.50 | 3.52 | 3.54 | 484619.9 | 7971.451015 | | | 3 |
| 3.71 | 3.74 | 3.75 | 521722.9 | 7062.327206 | | | 4 |
| 3.77 | 3.79 | 3.81 | 131085.7 | 2015.723538 | | | 5 |
| 3.96 | 3.98 | 4.00 | 753090.8 | 15184.348183 | | | 6 |
| Height Summation: | | | 2030300.75 | | | | |
| Amount Avg CF: | | | 5836.60483 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 27.51 | |
| + 3.07 | 3.07 | 3.11 | 2192.806 | 88.131795 | | | 1 |
| 3.07 | 3.10 | 3.11 | 11897.79 | 478.188033 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 10882.86 | 498.9371 | | | 2 |
| 3.12 | 3.15 | 3.16 | 14079.36 | 645.484279 | | | 2 |
| 3.17 | 3.19 | 3.21 | 25209.45 | 373.357555 | | | 3 |
| Height Summation: | | | 51186.6 | | | | |
| Amount Avg CF: | | | 499.009956 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 103.92 | |
| 3.17 | 3.19 | 3.21 | 25209.45 | 449.278317 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 75025.29 | 3291.650979 | | | 2 |
| 3.38 | 3.42 | 3.42 | 114572 | 5026.718803 | | | 2 |
| 3.50 | 3.52 | 3.54 | 484619.9 | 17507.931878 | | | 3 |
| 3.71 | 3.74 | 3.75 | 521722.9 | 15567.251501 | | | 4 |
| 3.77 | 3.79 | 3.81 | 131085.7 | 4783.871608 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 753090.8 | 40070.662308 | | | 6 |
| Height Summation: | | | 2030300.75 | | | | |
| Amount Avg CF: | | | 13900.952402 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 94.09 | |
| 3.17 | 3.19 | 3.21 | 25209.45 | 375.137099 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 75025.29 | 1103.701478 | | | 2 |
| 3.38 | 3.42 | 3.42 | 114572 | 1685.475467 | | | 2 |
| 3.50 | 3.52 | 3.54 | 484619.9 | 5985.008542 | | | 3 |
| 3.71 | 3.74 | 3.75 | 521722.9 | 5145.179234 | | | 4 |
| 3.77 | 3.79 | 3.81 | 131085.7 | 1506.82585 | | | 5 |
| 3.96 | 3.98 | 4.00 | 753090.8 | 11367.710777 | | | 6 |
| Height Summation: | | | 2030300.75 | | | | |
| Amount Avg CF: | | | 4344.222828 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 61.20 | |
| 3.71 | 3.74 | 3.75 | 521722.9 | 15844.516903 | | | 1 |
| 3.77 | 3.79 | 3.81 | 131085.7 | 3638.463544 | | | 2 |
| 3.84 | 3.86 | 3.88 | 1419784 | 23019.289089 | | | 3 |
| 3.96 | 3.98 | 4.00 | 753090.8 | 10884.253865 | | | 4 |
| 4.05 | 4.07 | 4.09 | 685216.1 | 10940.288182 | | | 5 |
| 4.23 | 4.23 | 4.27 | 2136881 | 30697.980807 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 953854.4 | 13702.870709 | | | 6 |
| Height Summation: | | | 5647780.5 | | | | |
| Amount Avg CF: | | | 15837.465398 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0056.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 89% (61-152) Conc.: 26.98186
%SSR(DCB) : 141% (48-164) Conc.: 38.04036

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 130.79 | |
| + 2.86 | 2.88 | 2.90 | 15068.7 | 214.399715 | | | 1 |
| 2.86 | 2.89 | 2.90 | 60682.21 | 863.39555 | | | 1 |
| 3.19 | 3.20 | 3.23 | 694079 | 7872.150789 | | | 2 |
| 3.38 | 3.38 | 3.42 | 916811.7 | 10104.107112 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 707779.4 | 7800.37915 | | | 3 |
| 3.45 | 3.47 | 3.49 | 198262.8 | 2060.026025 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 3188716 | 43956.420193 | | | 5 |
| 3.51 | 3.55 | 3.55 | 3686584 | 50819.52591 | | | 5 |
| + 3.61 | 3.63 | 3.65 | 1015255 | 12347.445169 | | | 6 |
| 3.61 | 3.65 | 3.65 | 1106473 | 13456.830745 | | | 6 |
| Height Summation: | | | 6662892.71 | | | | |
| Amount Avg CF: | | | 14196.006022 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 69.65 | |
| 2.74 | 2.76 | 2.78 | 9546.713 | 226.781899 | | | 1 |
| 2.80 | 2.81 | 2.84 | 4543.289 | 173.446278 | | | 2 |
| + 2.86 | 2.88 | 2.90 | 15068.7 | 148.844055 | | | 3 |
| 2.86 | 2.89 | 2.90 | 60682.21 | 599.400491 | | | 3 |
| Height Summation: | | | 74772.212 | | | | |
| Amount Avg CF: | | | 333.209556 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 141.09 | |
| + 2.86 | 2.88 | 2.90 | 15068.7 | 185.352737 | | | 1 |
| 2.86 | 2.89 | 2.90 | 60682.21 | 746.422302 | | | 1 |
| 3.19 | 3.20 | 3.23 | 694079 | 17195.857105 | | | 2 |
| E 3.38 | 3.38 | 3.42 | 916811.7 | 22538.731439 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 707779.4 | 17399.919542 | | | 3 |
| 3.45 | 3.47 | 3.49 | 198262.8 | 4821.401107 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 3188716 | 114605.496104 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 3686584 | 132499.34715 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 1015255 | 31195.64688 | | | 6 |
| Height Summation: | | | 6571674.71 | | | | |
| Amount Avg CF: | | | 34832.900997 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 135.28 | |
| + 2.86 | 2.88 | 2.90 | 15068.7 | 151.058716 | | | 1 |
| 2.86 | 2.89 | 2.90 | 60682.21 | 608.319015 | | | 1 |
| 3.19 | 3.20 | 3.23 | 694079 | 5693.611431 | | | 2 |
| 3.38 | 3.38 | 3.42 | 916811.7 | 7526.987452 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 707779.4 | 5810.840615 | | | 3 |
| 3.45 | 3.47 | 3.49 | 198262.8 | 1486.572775 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 3188716 | 33792.717699 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 3686584 | 39068.920652 | | | 5 |
| 3.61 | 3.63 | 3.65 | 1015255 | 9232.713346 | | | 6 |
| Height Summation: | | | 6571674.71 | | | | |
| Amount Avg CF: | | | 10602.854112 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229483** ACF DF100 99A14 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.04 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0056.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 41.19 | |
| 4.21 | 4.23 | 4.25 | 2136881 | 27401.86181 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 953854.4 | 12231.559201 | | | 1 |
| 4.32 | 4.34 | 4.36 | 1320953 | 50747.604746 | | | 2 |
| 4.55 | 4.57 | 4.59 | 1365708 | 15837.429444 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 99449.8 | 1153.26936 | | | 3 |
| 4.61 | 4.63 | 4.65 | 6237148 | 36281.732266 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1987897 | 33101.826012 | | | 5 |
| 5.14 | 5.16 | 5.18 | 5492464 | 56995.133554 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 271153.8 | 2813.754818 | | | 6 |
| Height Summation: | | | **18541051** | | | | |
| Amount Avg CF: | | | **36727.597972** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 43.97 | |
| 4.74 | 4.76 | 4.78 | 2863276 | 24600.292294 | | | 1 |
| 4.94 | 4.95 | 4.98 | 3640778 | 30937.14481 | | | 2 |
| 5.14 | 5.16 | 5.18 | 5492464 | 38386.38696 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1117814 | 14119.446128 | | | 4 |
| 5.61 | 5.62 | 5.65 | 3689674 | 14961.170711 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2500716 | 14935.813532 | | | 6 |
| Height Summation: | | | **19304722** | | | | |
| Amount Avg CF: | | | **22990.042406** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 39.30 | |
| 5.21 | 5.23 | 5.25 | 1151837 | 7642.468946 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1117814 | 10389.692231 | | | 2 |
| 5.61 | 5.62 | 5.65 | 3689674 | 12886.341506 | | | 3 |
| 5.81 | 5.83 | 5.85 | 2500716 | 11252.29903 | | | 4 |
| 5.87 | 5.88 | 5.91 | 374315.8 | 3343.170993 | | | 5 |
| 6.24 | 6.25 | 6.28 | 790786.9 | 7074.079127 | | | 6 |
| Height Summation: | | | **9625143.7** | | | | |
| Amount Avg CF: | | | **8764.675306** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 97.69 | |
| 5.81 | 5.83 | 5.85 | 2500716 | 5810.942573 | | | 1 |
| 5.87 | 5.88 | 5.91 | 374315.8 | 987.025176 | | | 2 |
| 6.00 | 6.02 | 6.04 | 22293.4 | 66.442977 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 84586.12 | 1009.690447 | | | 4 |
| 6.06 | 6.10 | 6.10 | 589883 | 7041.335272 | | | 4 |
| 6.23 | 6.25 | 6.27 | 790786.9 | 6466.990705 | | | 5 |
| 6.43 | 6.45 | 6.47 | 141462.4 | 162.214054 | | | 6 |
| Height Summation: | | | **4419457.5** | | | | |
| Amount Avg CF: | | | **3422.491793** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0056.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 64.32 | |
| 3.38 | 3.38 | 3.42 | 916811.7 | 24820.236474 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 707779.4 | 19161.243339 | | | 1 |
| 3.45 | 3.47 | 3.49 | 198262.8 | 3623.455416 | | | 2 |
| 3.49 | 3.51 | 3.53 | 1911285 | 20501.723178 | | | 3 |
| 3.61 | 3.63 | 3.65 | 1015255 | 9165.16931 | | | 4 |
| 3.70 | 3.72 | 3.74 | 852947.6 | 10638.350097 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4881998 | 32226.465617 | | | 6 |
| Height Summation: | | | **9776560.1** | | | | |
| Amount Avg CF: | | | **16829.233349** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 31.60 | |
| 4.19 | 4.21 | 4.23 | 7635284 | 33420.530932 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4927704 | 44615.8803 | | | 2 |
| 4.35 | 4.37 | 4.39 | 4981562 | 39096.743517 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5888792 | 65087.077114 | | | 4 |
| 4.57 | 4.59 | 4.61 | 2582847 | 26184.912986 | | | 5 |
| 4.65 | 4.67 | 4.69 | 8124451 | 49533.338946 | | | 6 |
| Height Summation: | | | **34140640** | | | | |
| Amount Avg CF: | | | **42989.747299** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 50.92 | |
| 4.42 | 4.44 | 4.46 | 5888792 | 28434.891124 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3371368 | 21690.505555 | | | 2 |
| 4.65 | 4.67 | 4.69 | 8124451 | 41370.759722 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1622108 | 12043.392059 | | | 4 |
| 5.06 | 5.08 | 5.10 | 4457654 | 14099.33578 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3046083 | 14733.867288 | | | 6 |
| Height Summation: | | | **26510456** | | | | |
| Amount Avg CF: | | | **22062.125255** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 37.31 | |
| 4.68 | 4.70 | 4.72 | 1103911 | 5177.987744 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1622108 | 7762.093788 | | | 2 |
| 5.06 | 5.08 | 5.10 | 4457654 | 10680.540787 | | | 3 |
| 5.28 | 5.30 | 5.32 | 736611.4 | 4334.643926 | | | 4 |
| 5.33 | 5.34 | 5.36 | 3046083 | 11061.515201 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1019427 | 6300.84145 | | | 6 |
| Height Summation: | | | **11985794.4** | | | | |
| Amount Avg CF: | | | **7552.937149** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 121.72 | |
| 5.28 | 5.30 | 5.32 | 736611.4 | 1516.998795 | | | 1 |
| 5.33 | 5.34 | 5.36 | 3046083 | 6656.986019 | | | 2 |
| 5.48 | 5.50 | 5.52 | 189431.9 | 438.763606 | | | 3 |
| 5.55 | 5.57 | 5.59 | 12222.61 | 109.05482 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1019427 | 5637.432487 | | | 5 |
| 5.90 | 5.92 | 5.94 | 241757.2 | 170.509079 | | | 6 |
| Height Summation: | | | **5245533.11** | | | | |
| Amount Avg CF: | | | **2421.624134** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 5079.6812 | 986.0558 | | ** 83.46 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229483** ACF DF100 99A14 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.04 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0056.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:31:24
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0056.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221 | | | 5079.6812 | 1523.9044 | | 39.85 | 3 | 40 | |
| Aroclor-1232 | | | 5079.6812 | 1225.0996 | E | ** 85.90 | 4 | 40 | |
| Aroclor-1242 | | | 5079.6812 | 1225.0996 | | ** 83.74 | 4 | 40 | |
| Aroclor-1248 | | | 5079.6812 | 986.0558 | | 6.07 | 4 | 40 | |
| Aroclor-1254 | | | 5079.6812 | 1314.741 | | 15.71 | 4 | 40 | |
| Aroclor-1260 | | | 5079.6812 | 1165.3386 | | 4.12 | 4 | 40 | |
| Aroclor-1262 | | | 5079.6812 | 986.0558 | | 14.85 | 4 | 40 | |
| Aroclor-1268 | | | 5079.6812 | 986.0558 | | 34.25 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:31:24 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0056.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.527 | | 20085 | 59535 |
| 1.582 | | 107106 | 111394 |
| 1.609 | | 22972 | 25058 |
| 1.637 | | 27037 | 42422 |
| 1.663 | | 24568 | 28118 |
| 1.688 | | 80946 | 78041 |
| 1.714 | | 15237 | 12748 |
| 1.734 | | 26042 | 35892 |
| 1.76 | | 20804 | 26886 |
| 1.79 | | 14492 | 10279 |
| 1.815 | | 12154 | 8531 |
| 1.837 | | 16575 | 12457 |
| 1.862 | | 9872 | 8356 |
| 1.888 | | 6483 | 5004 |
| 1.927 | | 14548 | 10187 |
| 1.947 | | 18537 | 15907 |
| 1.971 | | 14792 | 8934 |
| 1.992 | | 20342 | 14638 |
| 2.011 | | 24599 | 29506 |
| 2.033 | | 14773 | 8899 |
| 2.053 | | 27482 | 32696 |
| 2.082 | | 10304 | 10979 |
| 2.102 | | 6365 | 3717 |
| 2.115 | | 13020 | 11125 |
| 2.137 | | 4682 | 2378 |
| 2.156 | | 6713 | 3070 |
| 2.209 | | 55539 | 33380 |
| 2.231 | | 10610 | 5420 |
| 2.286 | | 23718 | 40684 |
| 2.321 | | 40252 | 37859 |
| 2.335 | | 27135 | 17572 |
| 2.354 | | 28699 | 19914 |
| 2.394 | | 43907 | 75900 |
| 2.437 | | 33564 | 41046 |
| 2.456 | | 39217 | 68741 |
| 2.491 | | 37886 | 40576 |
| 2.529 | | 37377 | 45551 |
| 2.546 | | 34086 | 26823 |
| 2.575 | | 37398 | 67636 |
| 2.617 | | 6027 | 7965 |
| 2.639 | | 17531 | 18284 |
| 2.659 | | 36876 | 19139 |
| 2.676 | | 4452 | 3034 |
| 2.698 | | 4191 | 1858 |
| 2.712 | | 12807 | 14959 |
| 2.742 | | 26398 | 22346 |
| 2.764 | | 7501 | 4115 |
| 2.795 | | 10385 | 4070 |
| 2.812 | | 19600 | 15343 |
| 2.839 | | 6672 | 5029 |
| 2.899 | | 21255 | 28898 |
| 2.937 | TCX | 75887 | 53773 |
| 2.986 | | 10943 | 10439 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.014 | | 17768 | 19286 |
| 3.052 | | 6765 | 8302 |
| 3.071 | | 2193 | 986 |
| 3.101 | | 11898 | 12784 |
| 3.121 | | 10883 | 9255 |
| 3.147 | | 14079 | 8519 |
| 3.165 | | 6218 | 2675 |
| 3.188 | | 25209 | 24261 |
| 3.217 | | 3322 | 2158 |
| 3.241 | | 7183 | 5479 |
| 3.255 | | 49394 | 27200 |
| 3.282 | | 33974 | 24060 |
| 3.314 | | 6649 | 3334 |
| 3.333 | | 4794 | 2152 |
| 3.358 | | 9617 | 8295 |
| 3.38 | | 6357 | 3981 |
| 3.403 | | 75025 | 40500 |
| 3.419 | | 114572 | 67894 |
| 3.455 | | 12309 | 7566 |
| 3.482 | | 4749 | 2898 |
| 3.517 | | 484620 | 330855 |
| 3.546 | | 6046 | 4556 |
| 3.585 | | 26144 | 19338 |
| 3.625 | | 36186 | 19694 |
| 3.639 | | 14872 | 7884 |
| 3.693 | | 982659 | 1379695 |
| 3.738 | | 521723 | 408124 |
| 3.788 | | 131086 | 100764 |
| 3.829 | | 294103 | 216864 |
| 3.857 | | 1419784 | 972732 |
| 3.883 | | 2453384 | 1580091 |
| 3.905 | | 2590839 | 1759706 |
| 3.979 | | 753091 | 529667 |
| 4.004 | | 912845 | 630222 |
| 4.035 | | 1304391 | 961580 |
| 4.068 | | 685216 | 616097 |
| 4.113 | | 191631 | 178659 |
| 4.141 | | 132427 | 91751 |
| 4.16 | | 13180 | 5646 |
| 4.193 | | 287874 | 225059 |
| 4.228 | | 2136881 | 1421168 |
| 4.246 | | 953854 | 519403 |
| 4.271 | | 3345703 | 2677162 |
| 4.31 | | 8445 | 5043 |
| 4.339 | | 1320953 | 1074165 |
| 4.381 | | 3926362 | 4229840 |
| 4.416 | | 2378079 | 1958661 |
| 4.456 | | 446203 | 336229 |
| 4.478 | | 384285 | 269685 |
| 4.521 | | 1196331 | 1049887 |
| 4.57 | | 1365708 | 1018175 |
| 4.586 | | 99450 | 32691 |
| 4.601 | | 317299 | 183294 |
| 4.632 | | 6237149 | 5311924 |
| 4.68 | | 905974 | 662968 |
| 4.695 | | 114763 | 47565 |
| 4.716 | | 433011 | 276694 |
| 4.737 | | 43146 | 23402 |
| 4.756 | | 2863276 | 2556428 |
| 4.803 | | 642779 | 555767 |
| 4.843 | | 3908811 | 3519512 |
| 4.874 | | 48595 | 30842 |
| 4.903 | | 701739 | 692070 |
| 4.954 | | 3640778 | 4518872 |
| 5.006 | | 305325 | 261690 |
| 5.042 | | 1987897 | 2107060 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.088 | | 283993 | 210483 |
| 5.114 | | 46907 | 40666 |
| 5.126 | | 260833 | 178468 |
| 5.159 | | 5492465 | 4691694 |
| 5.182 | | 271154 | 138891 |
| 5.201 | | 159871 | 87257 |
| 5.226 | | 1151837 | 976685 |
| 5.269 | | 799120 | 817604 |
| 5.34 | | 14244 | 8515 |
| 5.364 | | 984213 | 789569 |
| 5.388 | | 1117814 | 865272 |
| 5.444 | | 675609 | 606838 |
| 5.483 | | 569470 | 558385 |
| 5.522 | | 75656 | 89730 |
| 5.566 | | 1050953 | 1059437 |
| 5.599 | | 212135 | 162431 |
| 5.625 | | 3689674 | 3351173 |
| 5.661 | | 50762 | 38196 |
| 5.729 | | 65848 | 74888 |
| 5.787 | | 14014 | 13078 |
| 5.83 | | 2500717 | 2364570 |
| 5.859 | | 272864 | 185846 |
| 5.884 | | 374316 | 409491 |
| 5.972 | | 11712 | 7390 |
| 5.995 | | 133846 | 111238 |
| 6.02 | | 22293 | 14707 |
| 6.048 | | 15932 | 10102 |
| 6.072 | | 84586 | 63894 |
| 6.099 | | 589883 | 544301 |
| 6.163 | | 60582 | 60841 |
| 6.2 | | 7147 | 8244 |
| 6.226 | | 50764 | 34921 |
| 6.253 | | 790787 | 738696 |
| 6.298 | | 55316 | 50370 |
| 6.453 | | 141462 | 128967 |
| 6.479 | | 13801 | 9727 |
| 6.54 | | 1278 | 349 |
| 6.567 | | 12588 | 11033 |
| 6.599 | DCB | 74687 | 68958 |
| 6.635 | | 28375 | 25986 |
| 6.762 | | 5383 | 6457 |
| 6.872 | | 2047 | 3558 |
| 6.974 | | 1244 | 468 |
| 7.004 | | 1810 | 1014 |
| 7.051 | | 1342 | 691 |
| 7.064 | | 1446 | 557 |
| 7.109 | | 1790 | 480 |
| 7.207 | | 2265 | 1890 |
| 7.304 | | 1318 | 446 |
| 7.325 | | 1391 | 490 |
| 7.368 | | 1700 | 664 |
| 7.398 | | 2729 | 3050 |
| 7.424 | | 1048 | 515 |
| 7.506 | | 1856 | 959 |
| 7.556 | | 1801 | 866 |
| 7.579 | | 1512 | 857 |
| 7.653 | | 1018 | 331 |
| 7.724 | | 1386 | 763 |
| 7.819 | | 1690 | 1039 |
| 7.949 | | 3820 | 4540 |
| 7.983 | | 1508 | 850 |
| 8.173 | | 1635 | 485 |
| 8.226 | | 1582 | 401 |
| 8.251 | | 1208 | 581 |
| 8.273 | | 1163 | 754 |
| 8.348 | | 1679 | 644 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.521 | | 1048 | 336 |
| 8.568 | | 1866 | 1079 |
| 8.636 | | 2080 | 564 |
| 8.65 | | 1441 | 785 |

LANCASTER LABORATORIES

Sample Number: 9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:31:24 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0056.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

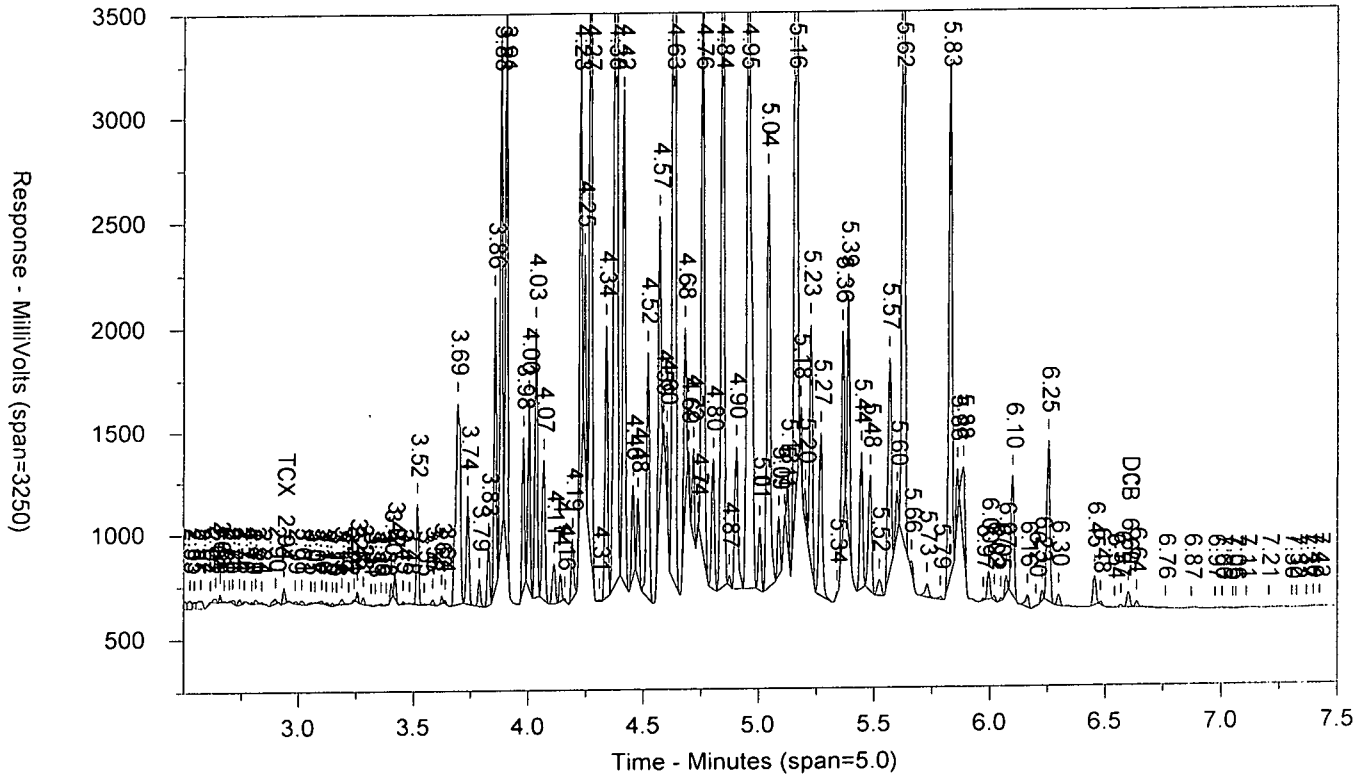
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.506 | | 4792 | 2759 |
| 1.529 | | 7408 | 4121 |
| 1.556 | | 19563 | 20763 |
| 1.585 | | 14398 | 15925 |
| 1.618 | | 19537 | 36696 |
| 1.649 | | 15351 | 15438 |
| 1.688 | | 20234 | 30048 |
| 1.71 | | 21455 | 29424 |
| 1.742 | | 19289 | 20250 |
| 1.77 | | 37164 | 41105 |
| 1.815 | | 25775 | 78367 |
| 1.855 | | 25333 | 29509 |
| 1.877 | | 26236 | 23501 |
| 1.902 | | 24865 | 26123 |
| 1.932 | | 101287 | 90738 |
| 1.959 | | 27046 | 27898 |
| 1.976 | | 24882 | 27670 |
| 2 | | 11514 | 5645 |
| 2.025 | | 20122 | 20591 |
| 2.046 | | 20588 | 18625 |
| 2.077 | | 17660 | 22268 |
| 2.142 | | 13407 | 14907 |
| 2.166 | | 6923 | 3846 |
| 2.206 | | 11521 | 6496 |
| 2.226 | | 8445 | 11063 |
| 2.267 | | 9318 | 9929 |
| 2.285 | | 6225 | 3035 |
| 2.297 | | 8465 | 6579 |
| 2.34 | | 69463 | 40045 |
| 2.406 | | 3678 | 1599 |
| 2.42 | | 7880 | 5120 |
| 2.44 | | 6680 | 3146 |
| 2.466 | | 12979 | 8502 |
| 2.481 | | 6479 | 3475 |
| 2.515 | | 16771 | 19902 |
| 2.541 | | 5838 | 4457 |
| 2.568 | | 4235 | 2665 |
| 2.591 | TCX | 112295 | 73658 |
| 2.625 | | 3636 | 1608 |
| 2.653 | | 7414 | 3535 |
| 2.683 | | 10062 | 11389 |
| 2.765 | | 9547 | 5248 |
| 2.789 | | 4678 | 2710 |
| 2.808 | | 4543 | 3449 |
| 2.848 | | 4274 | 1829 |
| 2.877 | | 15069 | 6964 |
| 2.888 | | 60682 | 33057 |
| 2.949 | | 6743 | 3659 |
| 2.987 | | 39198 | 32693 |
| 3.049 | | 5244 | 4941 |
| 3.084 | | 58167 | 29726 |
| 3.095 | | 118438 | 57254 |
| 3.135 | | 24602 | 14216 |
| 3.158 | | 4539 | 2818 |

| | | |
|---|---|---|
| 3.181 | 10828 | 5185 |
| 3.204 | 694079 | 446764 |
| 3.243 | 11097 | 9806 |
| 3.29 | 95617 | 86499 |
| 3.332 | 6182 | 3242 |
| 3.363 | 1232436 | 881859 |
| 3.383 | 916812 | 537056 |
| 3.413 | 707779 | 438451 |
| 3.469 | 198263 | 165026 |
| 3.505 | 1911285 | 1178612 |
| 3.528 | 3188716 | 1653283 |
| 3.546 | 3686584 | 2073495 |
| 3.631 | 1015255 | 586646 |
| 3.653 | 1106473 | 621369 |
| 3.673 | 1750421 | 1129145 |
| 3.719 | 852948 | 626469 |
| 3.758 | 274148 | 221131 |
| 3.808 | 194744 | 199884 |
| 3.83 | 334777 | 191609 |
| 3.852 | 4881998 | 3065897 |
| 3.877 | 2887013 | 1711957 |
| 3.896 | 1325679 | 706002 |
| 3.915 | 1460866 | 883256 |
| 3.951 | 5071235 | 3540461 |
| 3.982 | 2933561 | 1745645 |
| 3.998 | 761485 | 362473 |
| 4.021 | 584206 | 368011 |
| 4.06 | 586696 | 458440 |
| 4.094 | 1424180 | 991233 |
| 4.114 | 67779 | 39893 |
| 4.15 | 2453080 | 1734759 |
| 4.184 | 710370 | 616936 |
| 4.21 | 7635284 | 6169856 |
| 4.248 | 795149 | 725004 |
| 4.301 | 4927704 | 4145619 |
| 4.338 | 894087 | 703708 |
| 4.37 | 4981562 | 3430827 |
| 4.394 | 1255299 | 873260 |
| 4.437 | 5888792 | 4848775 |
| 4.492 | 45280 | 36661 |
| 4.536 | 3371368 | 3686839 |
| 4.588 | 2582847 | 2083155 |
| 4.629 | 1376039 | 1199066 |
| 4.666 | 8124451 | 6858386 |
| 4.608 | 1103911 | 817502 |
| 4.737 | 1034592 | 805964 |
| 4.795 | 30526 | 17338 |
| 4.807 | 18868 | 10439 |
| 4.835 | 203002 | 124862 |
| 4.853 | 316365 | 207539 |
| 4.886 | 1622108 | 1157450 |
| 4.909 | 1516278 | 1106591 |
| 4.96 | 1228847 | 1080302 |
| 4.995 | 618289 | 496097 |
| 5.026 | 427330 | 339871 |
| 5.058 | 1272192 | 824320 |
| 5.08 | 4457654 | 3588980 |
| 5.121 | 95943 | 66923 |
| 5.152 | 147123 | 124856 |
| 5.218 | 8894 | 6157 |
| 5.247 | 2867 | 1617 |
| 5.273 | 34784 | 21770 |
| 5.296 | 736611 | 647048 |
| 5.339 | 3046083 | 3227606 |
| 5.409 | 25100 | 20259 |
| 5.44 | 8594 | 9315 |
| 5.495 | 189432 | 157335 |

| | | | |
|---|---|---|---|
| 5.543 | | 146662 | 139042 |
| 5.565 | | 12223 | 5774 |
| 5.588 | | 335390 | 254415 |
| 5.613 | | 465806 | 377400 |
| 5.658 | | 16909 | 18930 |
| 5.696 | | 83109 | 58778 |
| 5.723 | | 1019427 | 895449 |
| 5.755 | | 67217 | 49251 |
| 5.801 | | 11733 | 10065 |
| 5.923 | | 241757 | 222397 |
| 5.988 | | 3200 | 4012 |
| 6.06 | | 14129 | 8720 |
| 6.081 | DCB | 144580 | 120725 |
| 6.119 | | 62924 | 56159 |
| 6.211 | | 8193 | 5777 |
| 6.257 | | 3943 | 2770 |
| 6.282 | | 15881 | 15646 |
| 6.448 | | 4577 | 4645 |
| 6.48 | | 1722 | 1091 |
| 6.51 | | 3904 | 4425 |
| 6.558 | | 2798 | 3632 |
| 6.617 | | 5261 | 10279 |
| 6.757 | | 4243 | 4730 |
| 6.87 | | 1522 | 2845 |
| 6.98 | | 3191 | 2936 |
| 7.123 | | 1648 | 6316 |
| 7.512 | | 6223 | 9222 |
| 8.061 | | 2540 | 4432 |
| 8.158 | | 9508 | 15792 |
| 8.364 | | 3642 | 5688 |

9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0056.RAW

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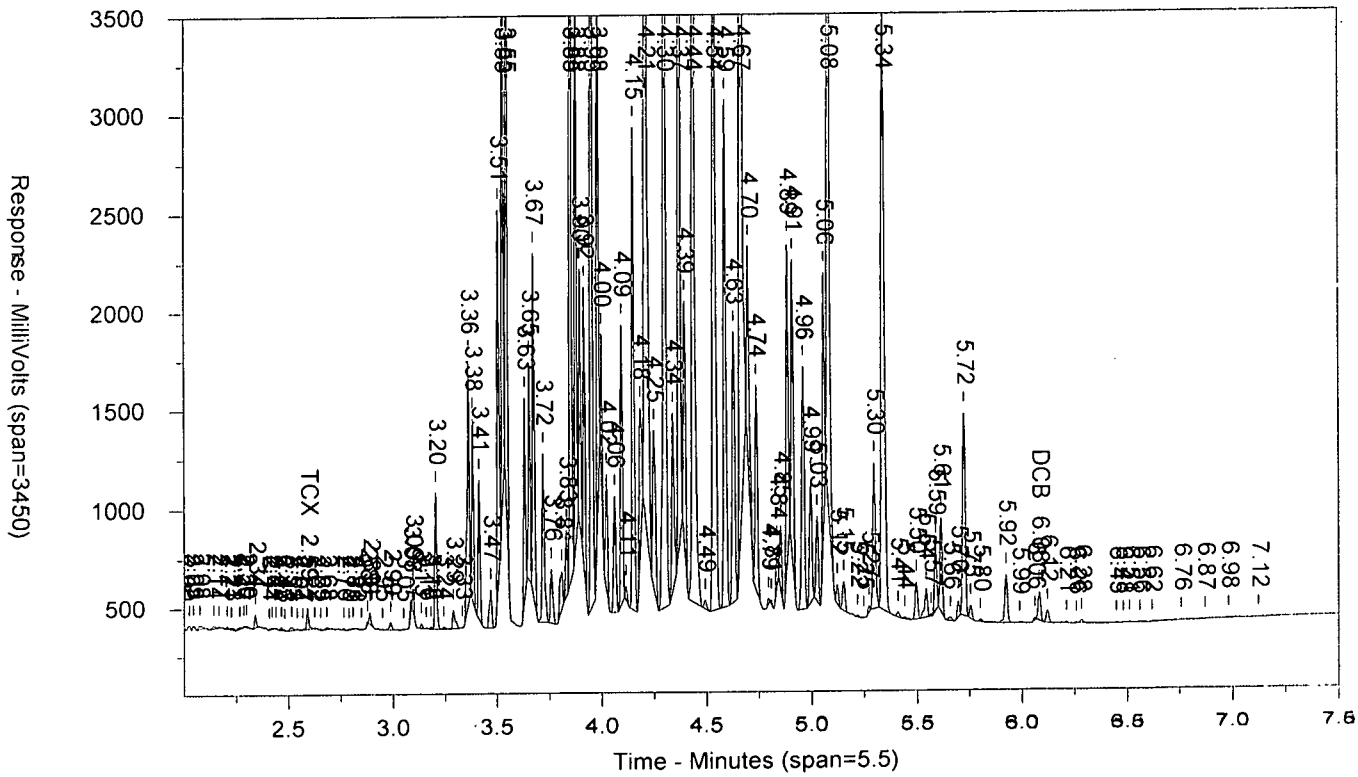


LANCASTER LABORATORIES

Sample Number: 9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:31:24 AM
Sample Weight: 10.04
Dilution Factor: 1000
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

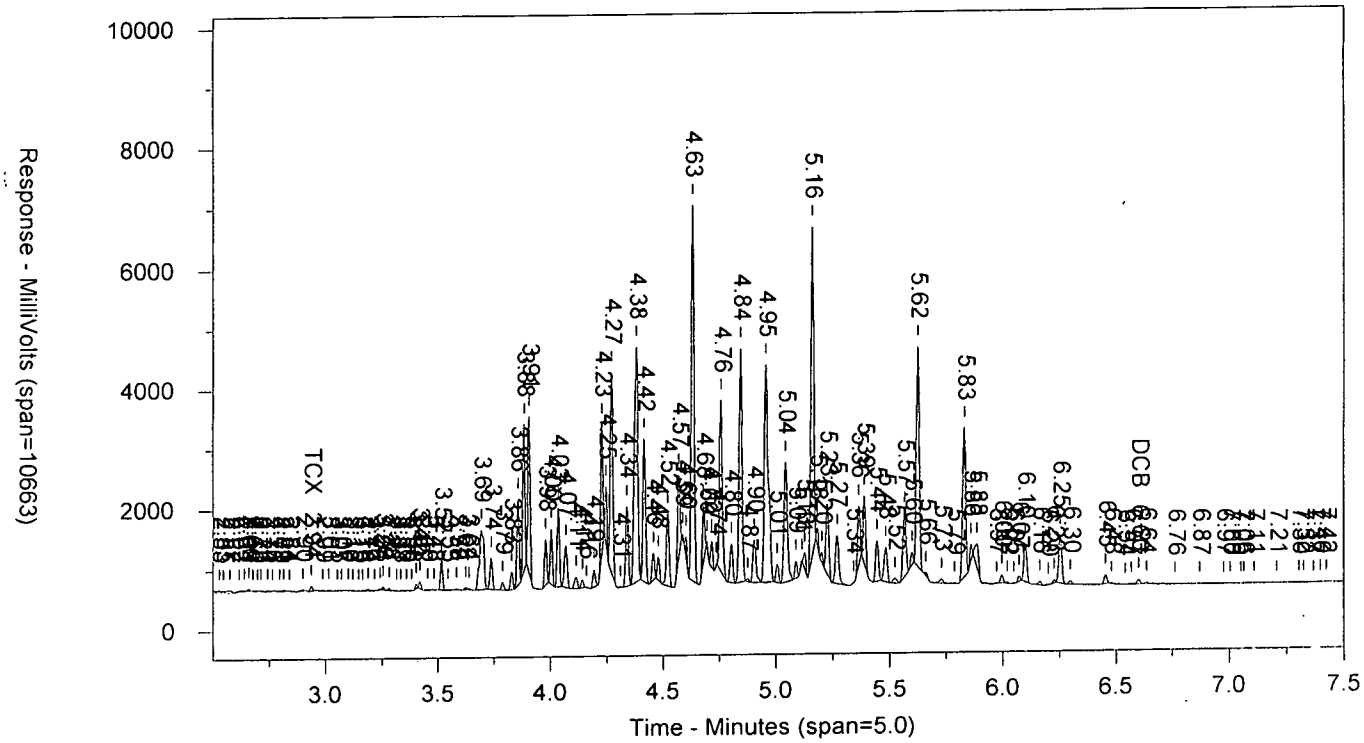
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 75887 | 27.574 | TCX | 2.591 | 112295 | 26.982 | TCX |
| 6.599 | 74687 | 36.866 | DCB | 6.081 | 144580 | 38.04 | DCB |

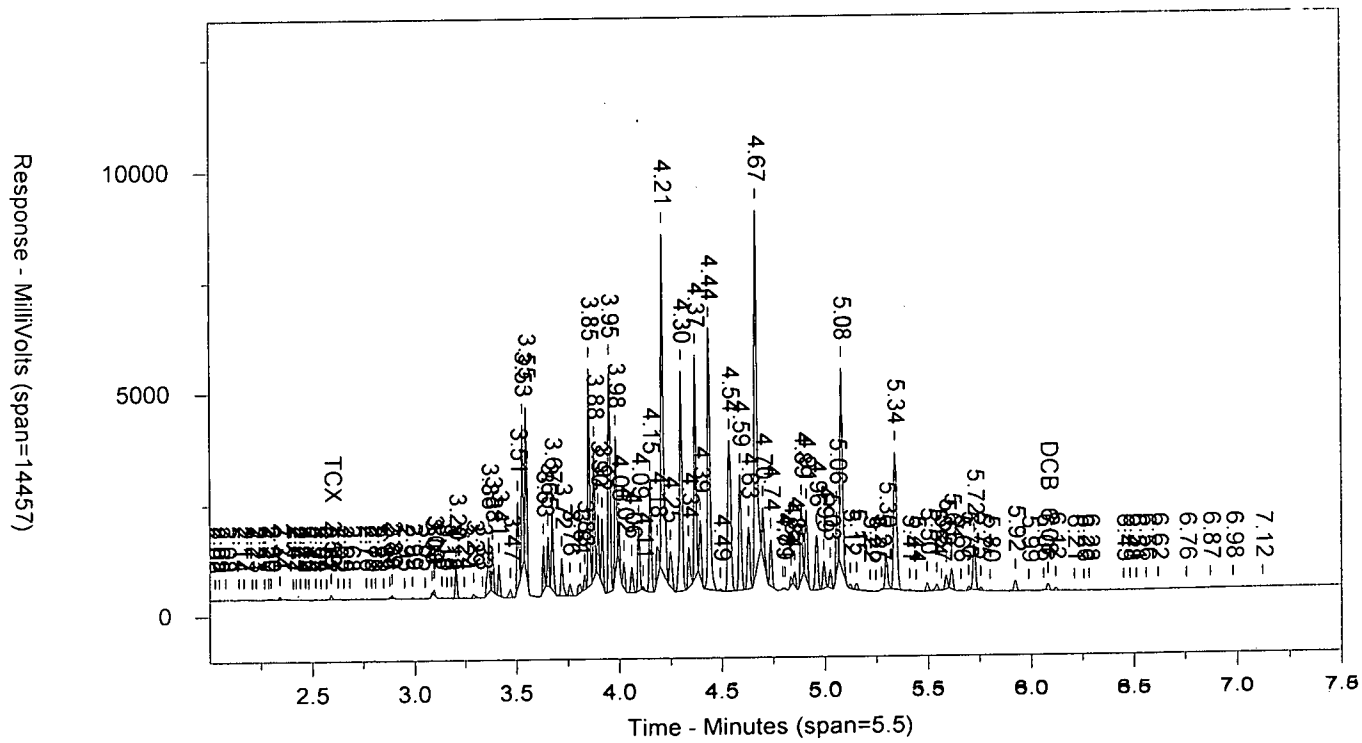
Files:
Area File: 07PCBS17284001.0056.RAW
Area File: 07PCBS17284001B.0056.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:32:21 AM

9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0056.RAW

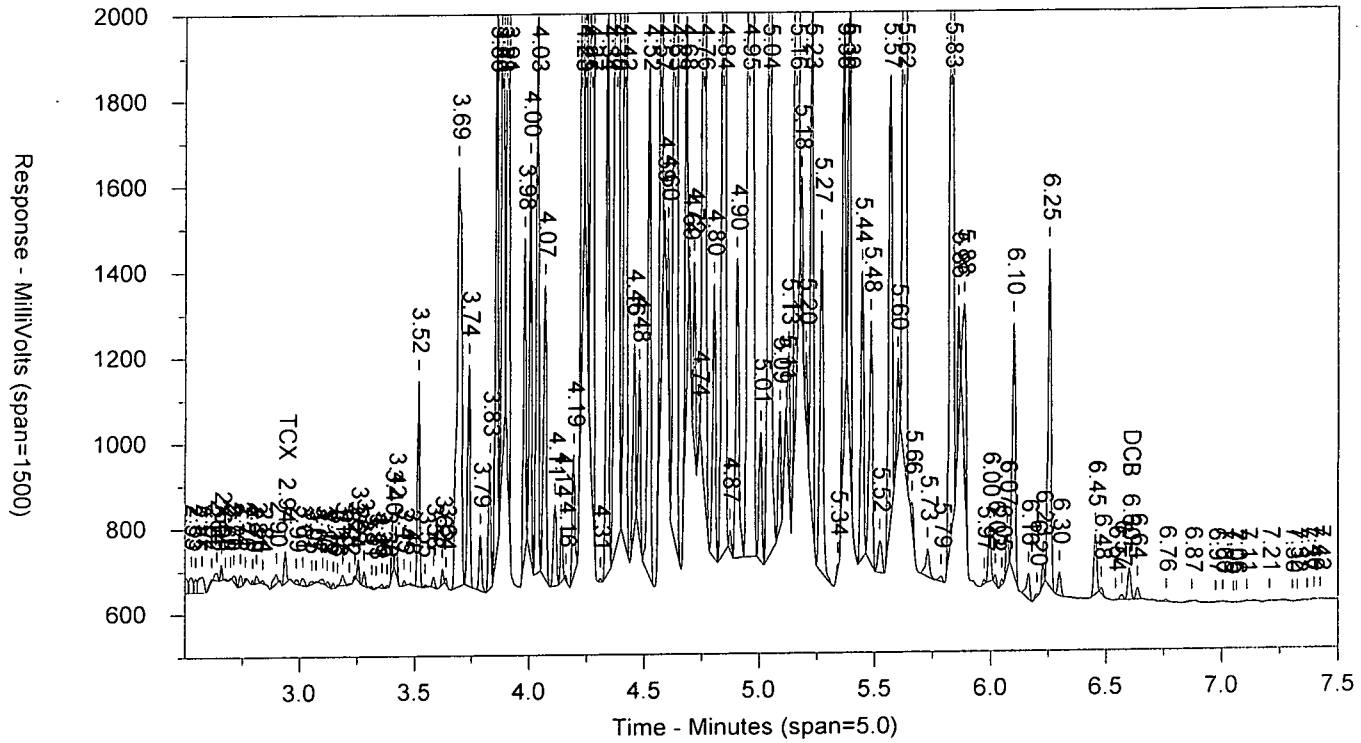



—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0056.RAW

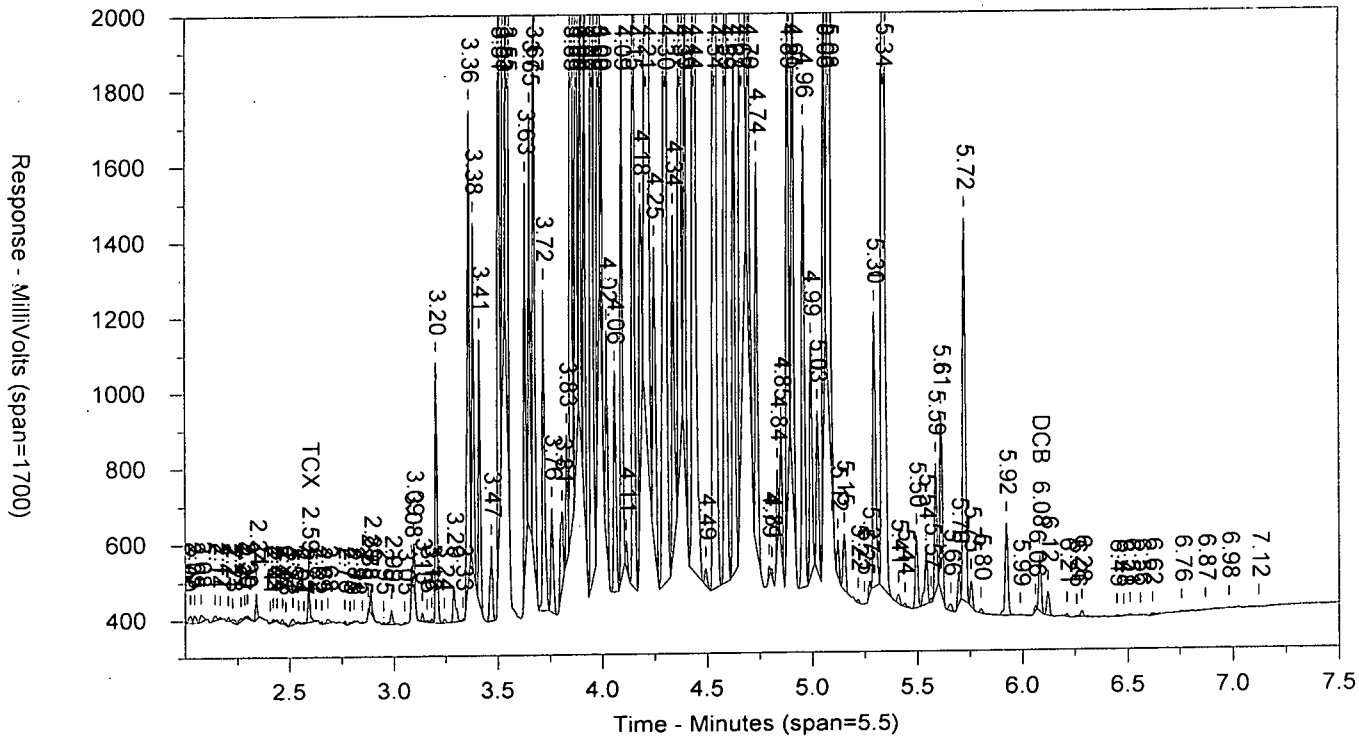


9229483 ACF DF100 AC99A14 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0056.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0056.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229484** ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:42:51 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0057.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 99% ( 61 - 152 ) Conc: 29.99284
%SSR(DCB) 140% ( 48 - 164 ) Conc: 37.72933

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:42:51 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0057.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 91% ( 61 - 152 ) Conc: 27.56809
%SSR(DCB) 122% ( 48 - 164 ) Conc: 32.88585

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 165255 | 29.99284 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 229697 | 27.56809 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 153025 | 37.72933 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 250228 | 32.88585 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 29.99284 | | | | 8.42 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 29.99284 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 27.56809 | | | | | |
| ☐ | Decachlorobiphenyl | A | 37.72933 | | | | 13.72 | |
| ☑ | Decachlorobiphenyl-D1 | A | 37.72933 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 32.88585 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **16.05** | |
| 4.74 | 4.76 | 4.78 | 2411472 | 10348.96536 | | | 1 |
| 4.94 | 4.95 | 4.98 | 3063546 | 13003.135648 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4106279 | 14334.948181 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1493233 | 9421.354613 | | | 4 |
| 5.61 | 5.63 | 5.65 | 5562632 | 11266.669835 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3523734 | 10512.482418 | | | 6 |

Height summation: **20160896**
Concentration CF: **11481.259343** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **17.61** | |
| 4.42 | 4.44 | 4.46 | 5051134 | 12182.934248 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3041100 | 9773.089384 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5716674 | 14540.540644 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2456808 | 9111.249331 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6761844 | 10683.046043 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4357044 | 10526.999977 | | | 6 |

Height summation: **27384604**
Concentration CF: **11136.309938** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2537.3136 | <492.5373 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <2537.3136 | <761.1941 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <2537.3136 | <611.9403 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <2537.3136 | <611.9403 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <2537.3136 | <492.5373 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <2537.3136 | <656.7164 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 11481.259343 | 2537.3136 | 582.0896 | D1 | 3.05 | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:08

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229484** ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:42:51
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0057.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (61-152) Conc.: 29.99284
%SSR(DCB) : 140% (48-164) Conc.: 37.72933

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 147.39 | |
| 3.17 | 3.18 | 3.21 | 13277.41 | 137.363992 | | | 1 |
| 3.38 | 3.40 | 3.42 | 20334.23 | 200.67555 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 17612.88 | 173.818944 | | | 2 |
| 3.50 | 3.52 | 3.54 | 41753.33 | 343.055915 | | | 3 |
| 3.71 | 3.74 | 3.75 | 72869.3 | 492.708652 | | | 4 |
| 3.77 | 3.79 | 3.81 | 35647.84 | 273.808247 | | | 5 |
| 3.96 | 3.98 | 4.00 | 284978.7 | 2870.112155 | | | 6 |
| Height Summation: | | | **468860.81** | | | | |
| Amount Avg CF: | | | **719.620752** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 62.92 | |
| + 3.07 | 3.07 | 3.11 | 3475.228 | 69.767532 | | | 1 |
| 3.07 | 3.10 | 3.11 | 14565.21 | 292.406357 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 16665.75 | 381.650006 | | | 2 |
| 3.12 | 3.15 | 3.16 | 19665.79 | 450.351702 | | | 2 |
| 3.17 | 3.18 | 3.21 | 13277.41 | 98.222864 | | | 3 |
| Height Summation: | | | **47508.41** | | | | |
| Amount Avg CF: | | | **280.326975** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 161.53 | |
| 3.17 | 3.18 | 3.21 | 13277.41 | 118.19609 | | | 1 |
| 3.38 | 3.40 | 3.42 | 20334.23 | 445.626987 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 17612.88 | 385.988289 | | | 2 |
| 3.50 | 3.52 | 3.54 | 41753.33 | 753.463776 | | | 3 |
| 3.71 | 3.74 | 3.75 | 72869.3 | 1086.061191 | | | 4 |
| 3.77 | 3.79 | 3.81 | 35647.84 | 649.822991 | | | 5 |
| 3.96 | 3.98 | 4.00 | 284978.7 | 7574.068611 | | | 6 |
| Height Summation: | | | **468860.81** | | | | |
| Amount Avg CF: | | | **1771.206608** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 148.23 | |
| 3.17 | 3.18 | 3.21 | 13277.41 | 98.691027 | | | 1 |
| 3.38 | 3.40 | 3.42 | 20334.23 | 149.420205 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 17612.88 | 129.423152 | | | 2 |
| 3.50 | 3.52 | 3.54 | 41753.33 | 257.568236 | | | 3 |
| 3.71 | 3.74 | 3.75 | 72869.3 | 358.957359 | | | 4 |
| 3.77 | 3.79 | 3.81 | 35647.84 | 204.681513 | | | 5 |
| 3.96 | 3.98 | 4.00 | 284978.7 | 2148.699733 | | | 6 |
| Height Summation: | | | **468860.81** | | | | |
| Amount Avg CF: | | | **536.336346** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 63.55 | |
| 3.71 | 3.74 | 3.75 | 72869.3 | 1105.404824 | | | 1 |
| 3.77 | 3.79 | 3.81 | 35647.84 | 494.2351 | | | 2 |
| 3.84 | 3.86 | 3.88 | 478837.1 | 3877.886347 | | | 3 |
| 3.96 | 3.98 | 4.00 | 284978.7 | 2057.317768 | | | 4 |
| 4.05 | 4.07 | 4.09 | 190323.5 | 1517.858456 | | | 5 |
| 4.23 | 4.25 | 4.27 | 256033.3 | 1837.230226 | | | 6 |
| Height Summation: | | | **1318689.74** | | | | |
| Amount Avg CF: | | | **1814.988787** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:42:51
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0057.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.56809
%SSR(DCB) : 122% (48-164) Conc.: 32.88585

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 87.64 | |
| 2.86 | 2.89 | 2.90 | 148011 | 1051.913588 | | | 1 |
| 3.19 | 3.20 | 3.23 | 93492.04 | 529.659531 | | | 2 |
| 3.38 | 3.38 | 3.42 | 128338.1 | 706.498193 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 82389.12 | 453.550149 | | | 3 |
| 3.45 | 3.47 | 3.49 | 55444.77 | 287.759529 | | | 4 |
| 3.51 | 3.53 | 3.55 | 485605.8 | 3343.705318 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440062.7 | 3030.112059 | | | 5 |
| 3.61 | 3.63 | 3.65 | 400661.4 | 2433.980692 | | | 6 |
| + 3.61 | 3.65 | 3.65 | 160878.2 | 977.320083 | | | 6 |
| Height Summation: | | | **1311553.11** | | | | |
| Amount Avg CF: | | | **1392.252808** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 86.75 | |
| 2.80 | 2.81 | 2.84 | 9175.27 | 174.964979 | | | 2 |
| 2.86 | 2.89 | 2.90 | 148011 | 730.276548 | | | 3 |
| Height Summation: | | | **157186.27** | | | | |
| Amount Avg CF: | | | **452.620763** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 106.15 | |
| 2.86 | 2.89 | 2.90 | 148011 | 909.399824 | | | 1 |
| 3.19 | 3.20 | 3.23 | 93492.04 | 1156.983631 | | | 2 |
| 3.38 | 3.38 | 3.42 | 128338.1 | 1575.950537 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 82389.12 | 1011.711861 | | | 3 |
| 3.45 | 3.47 | 3.49 | 55444.77 | 673.488632 | | | 4 |
| 3.51 | 3.53 | 3.55 | 485605.8 | 8717.884786 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440062.7 | 7900.267907 | | | 5 |
| 3.61 | 3.63 | 3.65 | 400661.4 | 6149.41805 | | | 6 |
| Height Summation: | | | **1311553.11** | | | | |
| Amount Avg CF: | | | **3197.187577** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 90.37 | |
| 2.86 | 2.89 | 2.90 | 148011 | 741.142386 | | | 1 |
| 3.19 | 3.20 | 3.23 | 93492.04 | 383.081529 | | | 2 |
| 3.38 | 3.38 | 3.42 | 128338.1 | 526.301134 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 82389.12 | 337.86917 | | | 3 |
| 3.45 | 3.47 | 3.49 | 55444.77 | 207.655377 | | | 4 |
| 3.51 | 3.53 | 3.55 | 485605.8 | 2570.566243 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440062.7 | 2329.482723 | | | 5 |
| 3.61 | 3.63 | 3.65 | 400661.4 | 1819.991562 | | | 6 |
| Height Summation: | | | **1311553.11** | | | | |
| Amount Avg CF: | | | **1041.456372** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229484** ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:42:51
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0057.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 61.60 | |
| 4.21 | 4.23 | 4.25 | 1094834 | 7012.706543 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 256033.3 | 1639.962221 | | | 1 |
| 4.32 | 4.34 | 4.36 | 439360.9 | 8431.158303 | | | 2 |
| 4.55 | 4.57 | 4.59 | 691564.6 | 4005.873673 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 97275.17 | 563.464415 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2396555 | 6963.49103 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1443150 | 12003.480808 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4106279 | 21284.167403 | | | 6 |
| Height Summation: | | | 10171743.5 | | | | |
| Amount Avg CF: | | | 9950.146293 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 16.05 | |
| 4.74 | 4.76 | 4.78 | 2411472 | 10348.96536 | | | 1 |
| 4.94 | 4.95 | 4.98 | 3063546 | 13003.135648 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4106279 | 14334.948181 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1493233 | 9421.354613 | | | 4 |
| 5.61 | 5.63 | 5.65 | 5562632 | 11266.669835 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3523734 | 10512.482418 | | | 6 |
| Height Summation: | | | 20160896 | | | | |
| Amount Avg CF: | | | 11481.259343 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 36.09 | |
| 5.21 | 5.23 | 5.25 | 1649716 | 5467.508911 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1493233 | 6932.635596 | | | 2 |
| 5.61 | 5.63 | 5.65 | 5562632 | 9704.197482 | | | 3 |
| 5.81 | 5.83 | 5.85 | 3523734 | 7919.862917 | | | 4 |
| 5.87 | 5.88 | 5.91 | 658911.1 | 2939.577468 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1259852 | 5629.471595 | | | 6 |
| Height Summation: | | | 14148078.1 | | | | |
| Amount Avg CF: | | | 6432.208995 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 95.90 | |
| 5.81 | 5.83 | 5.85 | 3523734 | 4089.996939 | | | 1 |
| 5.87 | 5.88 | 5.91 | 658911.1 | 867.869748 | | | 2 |
| 6.00 | 6.02 | 6.04 | 43801.88 | 65.208345 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 109060.7 | 650.272038 | | | 4 |
| 6.06 | 6.10 | 6.10 | 613567.1 | 3658.380412 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1259852 | 5146.357544 | | | 5 |
| 6.43 | 6.45 | 6.47 | 230419.5 | 131.978851 | | | 6 |
| Height Summation: | | | 6330285.58 | | | | |
| Amount Avg CF: | | | 2326.631973 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:42:51
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0057.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 82.20 | |
| 3.38 | 3.38 | 3.42 | 128338.1 | 1735.477665 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 82389.12 | 1114.123379 | | | 1 |
| 3.45 | 3.47 | 3.49 | 55444.77 | 506.150801 | | | 2 |
| 3.49 | 3.51 | 3.53 | 622567.9 | 3335.717732 | | | 3 |
| 3.61 | 3.63 | 3.65 | 400661.4 | 1806.676996 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 17015.86 | 106.009183 | | | 5 |
| 3.70 | 3.72 | 3.74 | 222787.9 | 1387.973525 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1904360 | 6279.163428 | | | 6 |
| Height Summation: | | | 3334160.07 | | | | |
| Amount Avg CF: | | | 2508.526691 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 64.62 | |
| 4.19 | 4.21 | 4.23 | 2797369 | 6116.113871 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3916858 | 17714.150752 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1668259 | 6539.976341 | | | 3 |
| 4.42 | 4.44 | 4.46 | 5051134 | 27886.569967 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1285474 | 6509.586567 | | | 5 |
| 4.65 | 4.67 | 4.69 | 5716674 | 17409.434417 | | | 6 |
| Height Summation: | | | 20435768 | | | | |
| Amount Avg CF: | | | 13695.971986 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 17.61 | |
| 4.42 | 4.44 | 4.46 | 5051134 | 12182.934248 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3041100 | 9773.089384 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5716674 | 14540.540644 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2456808 | 9111.249331 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6761844 | 10683.046043 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4357044 | 10526.999977 | | | 6 |
| Height Summation: | | | 27384604 | | | | |
| Amount Avg CF: | | | 11136.309938 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.19 | |
| 4.68 | 4.70 | 4.72 | 1032601 | 4293.708253 | | | 1 |
| 4.87 | 4.89 | 4.91 | 2456808 | 5872.296733 | | | 2 |
| 5.06 | 5.08 | 5.10 | 6761844 | 8092.630091 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1133390 | 3331.440213 | | | 4 |
| 5.33 | 5.34 | 5.36 | 4357044 | 7903.191198 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1683384 | 5197.126286 | | | 6 |
| Height Summation: | | | 18225071 | | | | |
| Amount Avg CF: | | | 5781.732129 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.62 | |
| 5.28 | 5.30 | 5.32 | 1133390 | 1165.906791 | | | 1 |
| 5.33 | 5.34 | 5.36 | 4357044 | 4756.259188 | | | 2 |
| 5.48 | 5.50 | 5.52 | 132848.8 | 153.699613 | | | 3 |
| 5.55 | 5.56 | 5.59 | 28382.66 | 126.494505 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1683384 | 4649.926331 | | | 5 |
| 5.90 | 5.92 | 5.94 | 354926.9 | 125.038761 | | | 6 |
| Height Summation: | | | 7689976.36 | | | | |
| Amount Avg CF: | | | 1829.554198 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229484** ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 05:42:51 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0057.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 05:42:51 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0057.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2537.3133 | 492.5373 | | ** 63.70 | 4 | 40 | |
| Aroclor-1221 | | | 2537.3133 | 761.194 | | ** 47.01 | 3 | 40 | |
| Aroclor-1232 | | | 2537.3133 | 611.9403 | | ** 57.40 | 4 | 40 | |
| Aroclor-1242 | | | 2537.3133 | 611.9403 | | ** 64.03 | 4 | 40 | |
| Aroclor-1248 | | | 2537.3133 | 492.5373 | | 32.08 | 4 | 40 | |
| Aroclor-1254 | | | 2537.3133 | 656.7164 | | 31.68 | 4 | 40 | |
| Aroclor-1260 | | | 2537.3133 | 582.0895 | | 3.05 | 4 | 40 | |
| Aroclor-1262 | | | 2537.3133 | 492.5373 | | 10.65 | 4 | 40 | |
| Aroclor-1268 | | | 2537.3133 | 492.5373 | | 23.92 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229484 ACF DF50 AC99A15 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:42:51 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 10c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0057.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.521 | | 7776 | 13422 |
| 1.582 | | 112996 | 117567 |
| 1.613 | | 35275 | 34634 |
| 1.64 | | 41154 | 71057 |
| 1.662 | | 40415 | 45703 |
| 1.688 | | 56936 | 57930 |
| 1.738 | | 44119 | 82407 |
| 1.756 | | 38505 | 57452 |
| 1.788 | | 25523 | 22883 |
| 1.816 | | 21382 | 14177 |
| 1.836 | | 33152 | 24696 |
| 1.861 | | 25800 | 23696 |
| 1.886 | | 26171 | 43581 |
| 1.927 | | 30721 | 23312 |
| 1.947 | | 33356 | 29963 |
| 1.971 | | 18349 | 9123 |
| 1.994 | | 36163 | 26014 |
| 2.011 | | 54020 | 59872 |
| 2.032 | | 43619 | 40173 |
| 2.057 | | 56786 | 77037 |
| 2.08 | | 44164 | 55295 |
| 2.102 | | 42779 | 30144 |
| 2.117 | | 63512 | 76894 |
| 2.139 | | 51429 | 47672 |
| 2.156 | | 62321 | 98157 |
| 2.209 | | 114101 | 97928 |
| 2.232 | | 54756 | 81647 |
| 2.285 | | 45955 | 85992 |
| 2.321 | | 58229 | 48186 |
| 2.336 | | 30246 | 16062 |
| 2.353 | | 27836 | 17384 |
| 2.307 | | 65115 | 102653 |
| 2.436 | | 46360 | 56243 |
| 2.456 | | 53721 | 87678 |
| 2.49 | | 52208 | 57710 |
| 2.525 | | 44743 | 53805 |
| 2.546 | | 44308 | 38775 |
| 2.575 | | 48546 | 78831 |
| 2.617 | | 9295 | 8924 |
| 2.638 | | 27566 | 27978 |
| 2.659 | | 73082 | 38419 |
| 2.699 | | 5770 | 3012 |
| 2.712 | | 17580 | 18639 |
| 2.742 | | 31295 | 26632 |
| 2.763 | | 9085 | 5203 |
| 2.795 | | 13712 | 5902 |
| 2.812 | | 29305 | 24046 |
| 2.84 | | 11042 | 7245 |
| 2.898 | | 51758 | 50003 |
| 2.915 | | 9834 | 3721 |
| 2.937 | TCX | 165255 | 112177 |
| 2.958 | | 6214 | 4822 |
| 2.988 | | 15076 | 12310 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.016 | | 24147 | 26175 |
| 3.055 | | 8309 | 9768 |
| 3.073 | | 3475 | 1876 |
| 3.103 | | 14565 | 8759 |
| 3.124 | | 16666 | 14075 |
| 3.147 | | 19666 | 10382 |
| 3.166 | | 6570 | 3251 |
| 3.182 | | 13277 | 16648 |
| 3.219 | | 9797 | 5778 |
| 3.256 | | 118554 | 106001 |
| 3.281 | | 30201 | 21350 |
| 3.301 | | 4721 | 1739 |
| 3.315 | | 8262 | 3642 |
| 3.334 | | 7378 | 3508 |
| 3.356 | | 15792 | 14217 |
| 3.381 | | 13726 | 8359 |
| 3.404 | | 20334 | 12257 |
| 3.419 | | 17613 | 10809 |
| 3.45 | | 2823 | 2661 |
| 3.472 | | 5544 | 4495 |
| 3.495 | | 13143 | 9996 |
| 3.518 | | 41753 | 24209 |
| 3.548 | | 11272 | 6558 |
| 3.562 | | 3553 | 1586 |
| 3.579 | | 13522 | 13559 |
| 3.613 | | 2774 | 2139 |
| 3.626 | | 4281 | 2540 |
| 3.693 | | 32203 | 14355 |
| 3.702 | | 31436 | 13328 |
| 3.737 | | 72869 | 65397 |
| 3.765 | | 2627 | 1911 |
| 3.788 | | 35648 | 34613 |
| 3.83 | | 41206 | 30061 |
| 3.857 | | 478837 | 336669 |
| 3.882 | | 350767 | 233215 |
| 3.905 | | 300348 | 198425 |
| 3.927 | | 3875 | 1669 |
| 3.952 | | 3300 | 2848 |
| 3.98 | | 284979 | 208853 |
| 4.004 | | 122815 | 78501 |
| 4.035 | | 165121 | 111292 |
| 4.069 | | 190324 | 170500 |
| 4.111 | | 43679 | 38249 |
| 4.141 | | 28367 | 26509 |
| 4.171 | | 15516 | 10148 |
| 4.193 | | 72050 | 56001 |
| 4.228 | | 1094834 | 768217 |
| 4.246 | | 256033 | 136814 |
| 4.271 | | 580489 | 472324 |
| 4.34 | | 439361 | 367284 |
| 4.382 | | 1825445 | 1856097 |
| 4.416 | | 712480 | 611640 |
| 4.457 | | 79729 | 55734 |
| 4.479 | | 115653 | 84011 |
| 4.52 | | 566733 | 498322 |
| 4.57 | | 691565 | 510056 |
| 4.587 | | 97275 | 41830 |
| 4.6 | | 102122 | 60817 |
| 4.631 | | 2396555 | 2063522 |
| 4.68 | | 1050689 | 1110421 |
| 4.716 | | 362393 | 252877 |
| 4.757 | | 2411473 | 2288636 |
| 4.803 | | 181227 | 161867 |
| 4.843 | | 1389281 | 1331777 |
| 4.874 | | 35192 | 22415 |
| 4.903 | | 552632 | 530249 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.955 | | 3063546 | 3677145 |
| 5.006 | | 424832 | 376205 |
| 5.044 | | 1443150 | 1626781 |
| 5.089 | | 103926 | 70221 |
| 5.125 | | 306391 | 391977 |
| 5.16 | | 4106279 | 3641861 |
| 5.182 | | 199508 | 99376 |
| 5.202 | | 85923 | 42618 |
| 5.226 | | 1649717 | 1487007 |
| 5.268 | | 1141651 | 1083655 |
| 5.364 | | 648574 | 491972 |
| 5.388 | | 1493233 | 1262884 |
| 5.445 | | 906942 | 854057 |
| 5.484 | | 616115 | 622764 |
| 5.526 | | 102772 | 119644 |
| 5.567 | | 884296 | 878028 |
| 5.598 | | 40579 | 27622 |
| 5.625 | | 5562632 | 5217871 |
| 5.66 | | 58604 | 36650 |
| 5.729 | | 36348 | 33169 |
| 5.78 | | 3928 | 3995 |
| 5.829 | | 3523734 | 3276746 |
| 5.859 | | 282862 | 183899 |
| 5.884 | | 658911 | 710275 |
| 5.972 | | 11414 | 8337 |
| 5.996 | | 61695 | 47740 |
| 6.019 | | 43802 | 33268 |
| 6.048 | | 2619 | 1004 |
| 6.072 | | 109061 | 86053 |
| 6.099 | | 613567 | 565848 |
| 6.163 | | 20199 | 22637 |
| 6.195 | | 2757 | 2190 |
| 6.226 | | 9663 | 6008 |
| 6.254 | | 1259852 | 1220105 |
| 6.298 | | 87175 | 76423 |
| 6.335 | | 5708 | 6977 |
| 6.41 | | 2179 | 466 |
| 6.454 | | 230420 | 210366 |
| 6.48 | | 6266 | 3317 |
| 6.567 | | 4289 | 3934 |
| 6.6 | DCB | 153025 | 144752 |
| 6.634 | | 5406 | 3298 |
| 6.693 | | 1871 | 1407 |
| 6.763 | | 3017 | 3097 |
| 6.843 | | 1626 | 841 |
| 6.881 | | 1757 | 845 |
| 6.893 | | 1790 | 869 |
| 6.989 | | 1681 | 833 |
| 7.015 | | 3168 | 2332 |
| 7.033 | | 1476 | 488 |
| 7.057 | | 2413 | 2071 |
| 7.099 | | 3159 | 2533 |
| 7.152 | | 2718 | 2984 |
| 7.197 | | 1475 | 503 |
| 7.277 | | 1963 | 1901 |
| 7.308 | | 2375 | 1877 |
| 7.346 | | 2798 | 2195 |
| 7.399 | | 1929 | 1631 |
| 7.462 | | 1525 | 362 |
| 7.502 | | 1438 | 1260 |
| 7.54 | | 1234 | 330 |
| 7.586 | | 1904 | 592 |
| 7.665 | | 1286 | 1661 |
| 7.733 | | 2425 | 1859 |
| 7.759 | | 1219 | 481 |
| 7.826 | | 1199 | 1352 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.837 | | 1644 | 1240 |
| 7.89 | | 1212 | 316 |
| 7.947 | | 9890 | 16224 |
| 8.038 | | 1145 | 2390 |
| 8.112 | | 1523 | 730 |
| 8.256 | | 1469 | 759 |
| 8.28 | | 2073 | 840 |
| 8.338 | | 1514 | 620 |
| 8.571 | | 2198 | 3168 |
| 8.631 | | 1674 | 745 |
| 8.673 | | 1340 | 1114 |

LANCASTER LABORATORIES

Sample Number: 9229484 ACF DF50 AC99A15 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:42:51 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0057.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

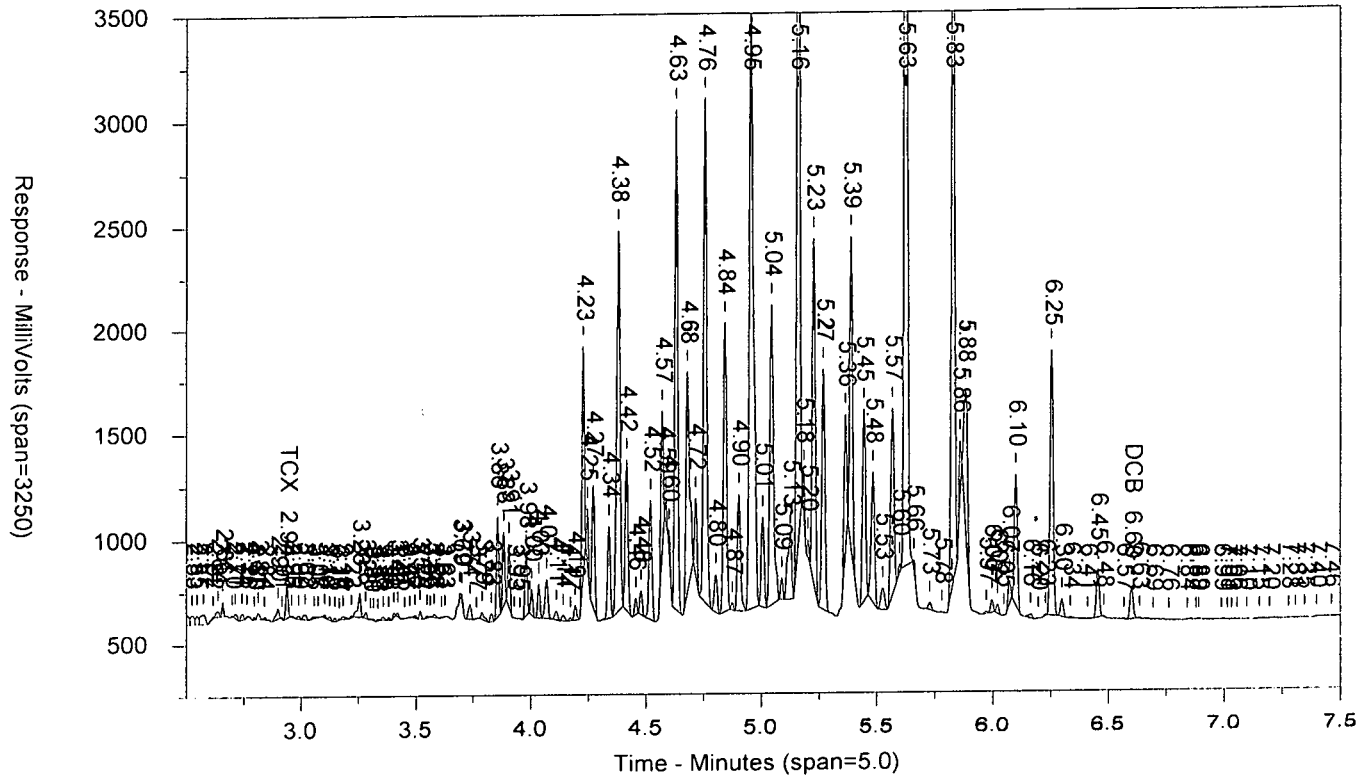
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.506 | | 6494 | 3526 |
| 1.529 | | 9827 | 5469 |
| 1.556 | | 22222 | 22536 |
| 1.583 | | 17507 | 20402 |
| 1.619 | | 27418 | 45214 |
| 1.647 | | 18273 | 18228 |
| 1.688 | | 24375 | 34427 |
| 1.71 | | 25912 | 33814 |
| 1.742 | | 22538 | 21562 |
| 1.769 | | 37265 | 41154 |
| 1.815 | | 31156 | 77594 |
| 1.854 | | 33895 | 40230 |
| 1.878 | | 31701 | 23710 |
| 1.902 | | 29254 | 30686 |
| 1.932 | | 133481 | 116177 |
| 1.958 | | 30973 | 31874 |
| 1.978 | | 27951 | 31045 |
| 1.999 | | 16269 | 8996 |
| 2.026 | | 22420 | 21386 |
| 2.045 | | 20060 | 17007 |
| 2.079 | | 19050 | 21893 |
| 2.143 | | 17800 | 17877 |
| 2.167 | | 6366 | 3706 |
| 2.206 | | 11993 | 6283 |
| 2.225 | | 8644 | 9517 |
| 2.266 | | 9119 | 8403 |
| 2.286 | | 7377 | 3928 |
| 2.298 | | 10148 | 5747 |
| 2.34 | | 126751 | 85812 |
| 2.419 | | 7517 | 6399 |
| 2.439 | | 6097 | 3104 |
| 2.467 | | 15061 | 15900 |
| 2.516 | | 16453 | 18041 |
| 2.542 | | 4090 | 3355 |
| 2.567 | | 2664 | 1397 |
| 2.591 | TCX | 229697 | 153934 |
| 2.624 | | 8041 | 5584 |
| 2.652 | | 6386 | 3029 |
| 2.682 | | 10492 | 12341 |
| 2.739 | | 5741 | 13908 |
| 2.789 | | 7076 | 4117 |
| 2.81 | | 9175 | 10509 |
| 2.848 | | 4563 | 2184 |
| 2.889 | | 148011 | 115828 |
| 2.92 | | 6665 | 4877 |
| 2.948 | | 15600 | 9356 |
| 2.987 | | 14724 | 16980 |
| 3.05 | | 5468 | 4477 |
| 3.084 | | 26892 | 12290 |
| 3.095 | | 19711 | 8174 |
| 3.134 | | 6012 | 4838 |
| 3.162 | | 6666 | 4345 |
| 3.204 | | 93492 | 67413 |
| 3.245 | | 14230 | 13058 |

| | | |
|---|---|---|
| 3.289 | 12926 | 7647 |
| 3.305 | 4348 | 3309 |
| 3.333 | 6265 | 3486 |
| 3.363 | 159482 | 132091 |
| 3.383 | 128338 | 79651 |
| 3.413 | 82389 | 47846 |
| 3.47 | 55445 | 40938 |
| 3.506 | 622568 | 397330 |
| 3.528 | 485606 | 260102 |
| 3.546 | 440063 | 239571 |
| 3.581 | 7435 | 5441 |
| 3.63 | 400661 | 248120 |
| 3.653 | 160878 | 87855 |
| 3.674 | 223292 | 156431 |
| 3.704 | 17016 | 7201 |
| 3.719 | 222788 | 146621 |
| 3.76 | 71315 | 51564 |
| 3.801 | 64450 | 51370 |
| 3.831 | 141501 | 80363 |
| 3.852 | 1904360 | 1274520 |
| 3.877 | 416756 | 233054 |
| 3.896 | 322145 | 178774 |
| 3.916 | 487030 | 313312 |
| 3.951 | 2291527 | 1575023 |
| 3.982 | 803157 | 499967 |
| 3.999 | 310695 | 154651 |
| 4.021 | 85893 | 48901 |
| 4.06 | 167160 | 132388 |
| 4.094 | 640487 | 452852 |
| 4.115 | 31736 | 19314 |
| 4.15 | 1265762 | 930158 |
| 4.191 | 353245 | 365616 |
| 4.211 | 2797369 | 2670229 |
| 4.249 | 584250 | 596236 |
| 4.302 | 3916858 | 3007916 |
| 4.339 | 254436 | 213935 |
| 4.371 | 1668259 | 1160598 |
| 4.395 | 930095 | 660201 |
| 4.438 | 5051134 | 3919043 |
| 4.491 | 24918 | 18421 |
| 4.539 | 3041100 | 3297147 |
| 4.589 | 1285474 | 1085960 |
| 4.63 | 1059137 | 957127 |
| 4.667 | 5716674 | 4772016 |
| 4.699 | 1832601 | 1287134 |
| 4.737 | 1453242 | 1163180 |
| 4.808 | 28519 | 29116 |
| 4.836 | 329836 | 233488 |
| 4.853 | 163215 | 93163 |
| 4.886 | 2456808 | 1797150 |
| 4.909 | 775717 | 516346 |
| 4.96 | 1514608 | 1311474 |
| 4.995 | 759497 | 614223 |
| 5.026 | 579919 | 457364 |
| 5.058 | 491519 | 318968 |
| 5.081 | 6761845 | 5533000 |
| 5.122 | 140891 | 103279 |
| 5.153 | 193741 | 159345 |
| 5.273 | 66004 | 39875 |
| 5.296 | 1133390 | 963623 |
| 5.34 | 4357044 | 4608010 |
| 5.41 | 18025 | 14747 |
| 5.496 | 132849 | 106420 |
| 5.543 | 174753 | 136115 |
| 5.565 | 28383 | 16418 |
| 5.588 | 91980 | 63865 |
| 5.614 | 708817 | 603655 |

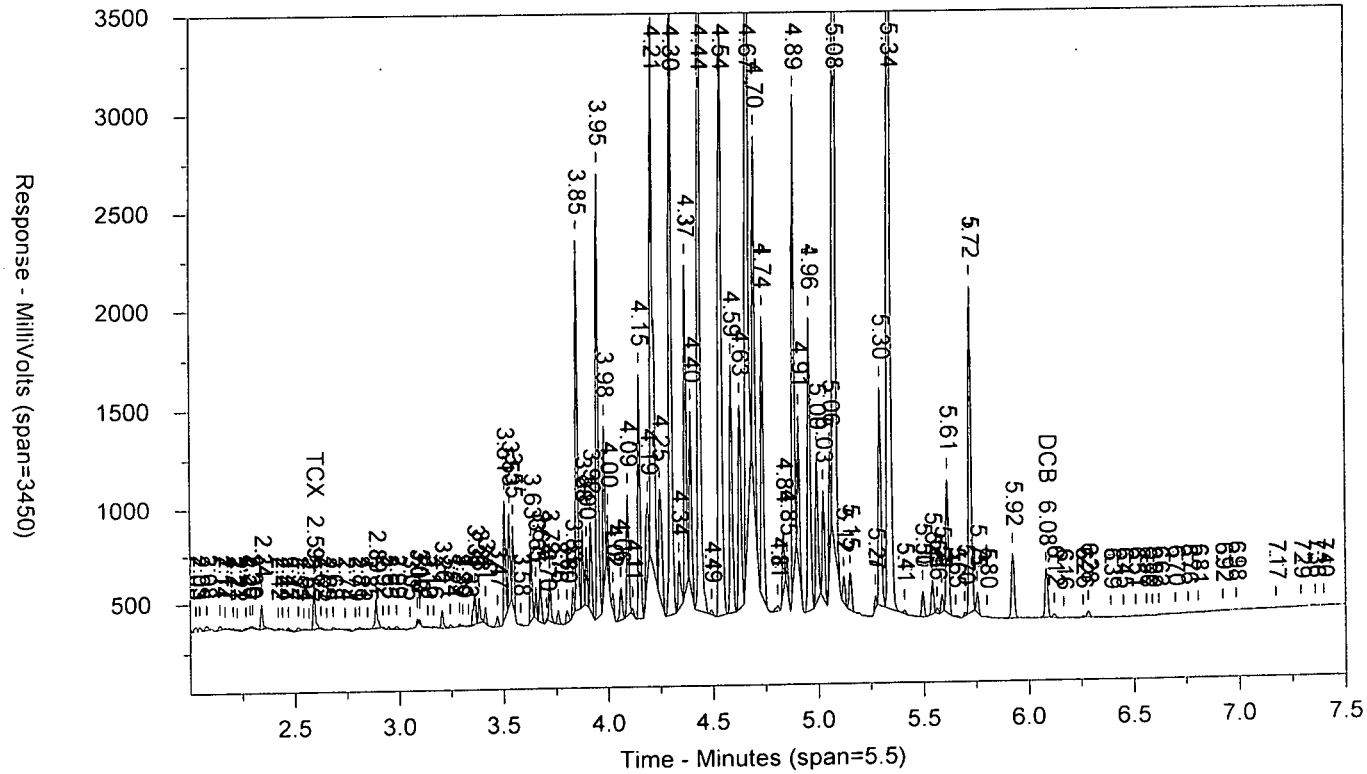
| | | | |
|---|---|---|---|
| 5.653 | | 6503 | 8191 |
| 5.696 | | 20287 | 12458 |
| 5.723 | | 1683384 | 1451948 |
| 5.755 | | 104189 | 77921 |
| 5.801 | | 5461 | 3507 |
| 5.924 | | 354927 | 317465 |
| 6.082 | DCB | 250228 | 225262 |
| 6.119 | | 17688 | 16931 |
| 6.164 | | 1732 | 1531 |
| 6.257 | | 7595 | 5187 |
| 6.282 | | 29882 | 25657 |
| 6.389 | | 2795 | 3781 |
| 6.45 | | 4315 | 4563 |
| 6.507 | | 4001 | 7760 |
| 6.558 | | 3344 | 4294 |
| 6.587 | | 2280 | 1436 |
| 6.618 | | 3493 | 3259 |
| 6.697 | | 1596 | 2358 |
| 6.759 | | 4079 | 8761 |
| 6.807 | | 2334 | 2760 |
| 6.922 | | 2550 | 10881 |
| 6.984 | | 4328 | 3769 |
| 7.173 | | 1254 | 553 |
| 7.29 | | 2150 | 7566 |
| 7.358 | | 1453 | 2612 |
| 7.398 | | 927 | 1169 |
| 7.511 | | 15468 | 20808 |
| 7.715 | | 2649 | 4113 |
| 7.82 | | 2354 | 4334 |
| 8.062 | | 5236 | 12022 |
| 8.161 | | 9792 | 16188 |
| 8.304 | | 1979 | 2461 |
| 8.368 | | 7729 | 15774 |

**9229484 ACF DF50 AC99A15 T 172820028A 10225** **SW-846 8082**

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0057.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0057.RAW



LANCASTER LABORATORIES

Sample Number: 9229484 ACF DF50 AC99A15 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:42:51 AM
Sample Weight: 10.05
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 165255 | 29.993 | TCX | 2.591 | 229697 | 27.568 | TCX |
| 6.6 | 153025 | 37.729 | DCB | 6.082 | 250228 | 32.886 | DCB |

Files:
Area File: 07PCBS17284001.0057.RAW
Area File: 07PCBS17284001B.0057.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:32:44 AM

9229484 ACF DF50 AC99A15 T 172820028A 10225 SW-846 8082

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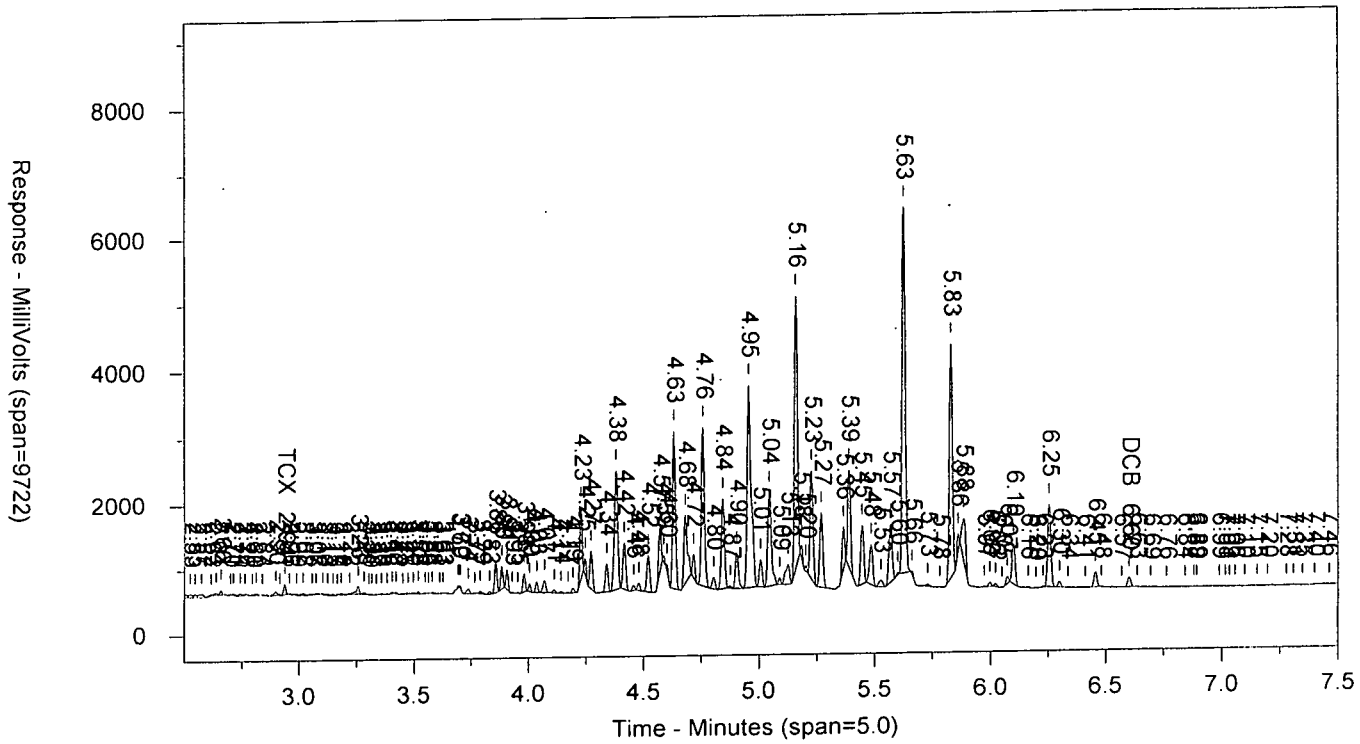


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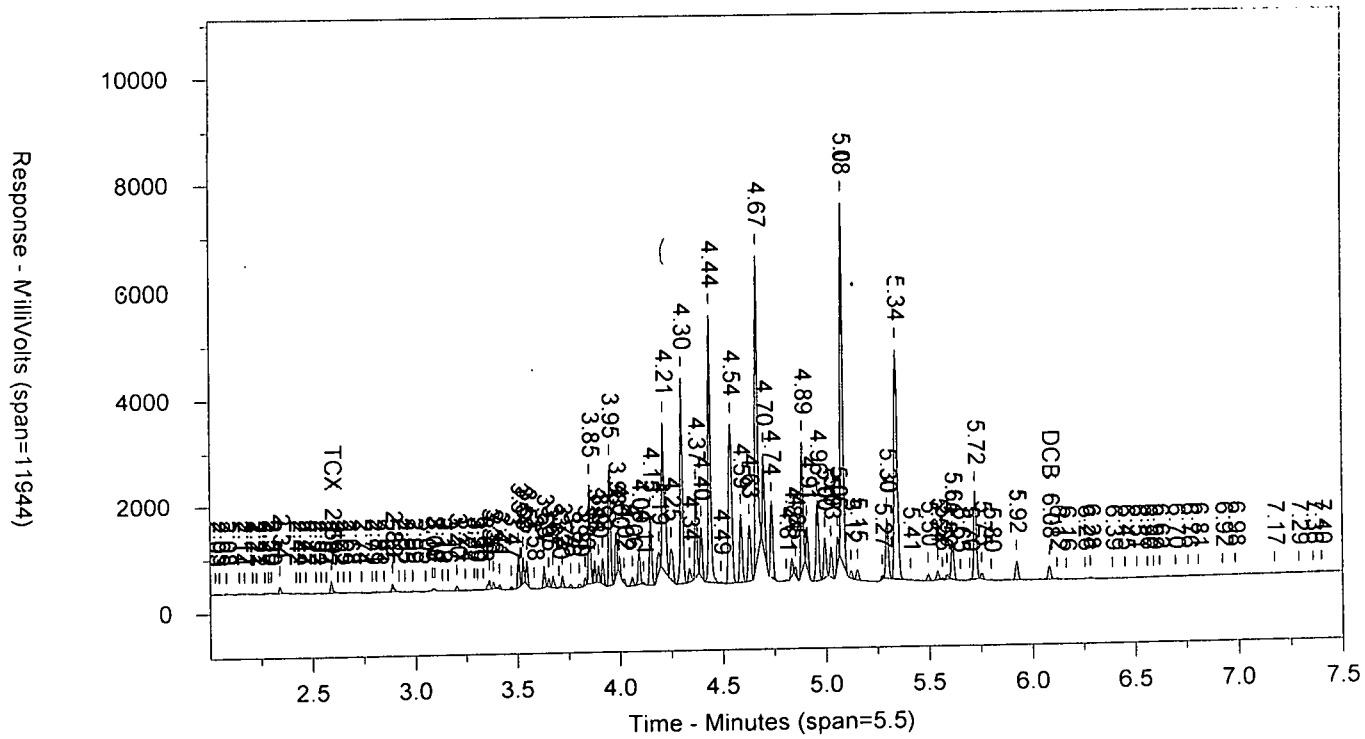

9229484 ACF DF50 AC99A15 T 172820028A 10225 SW-846 8082

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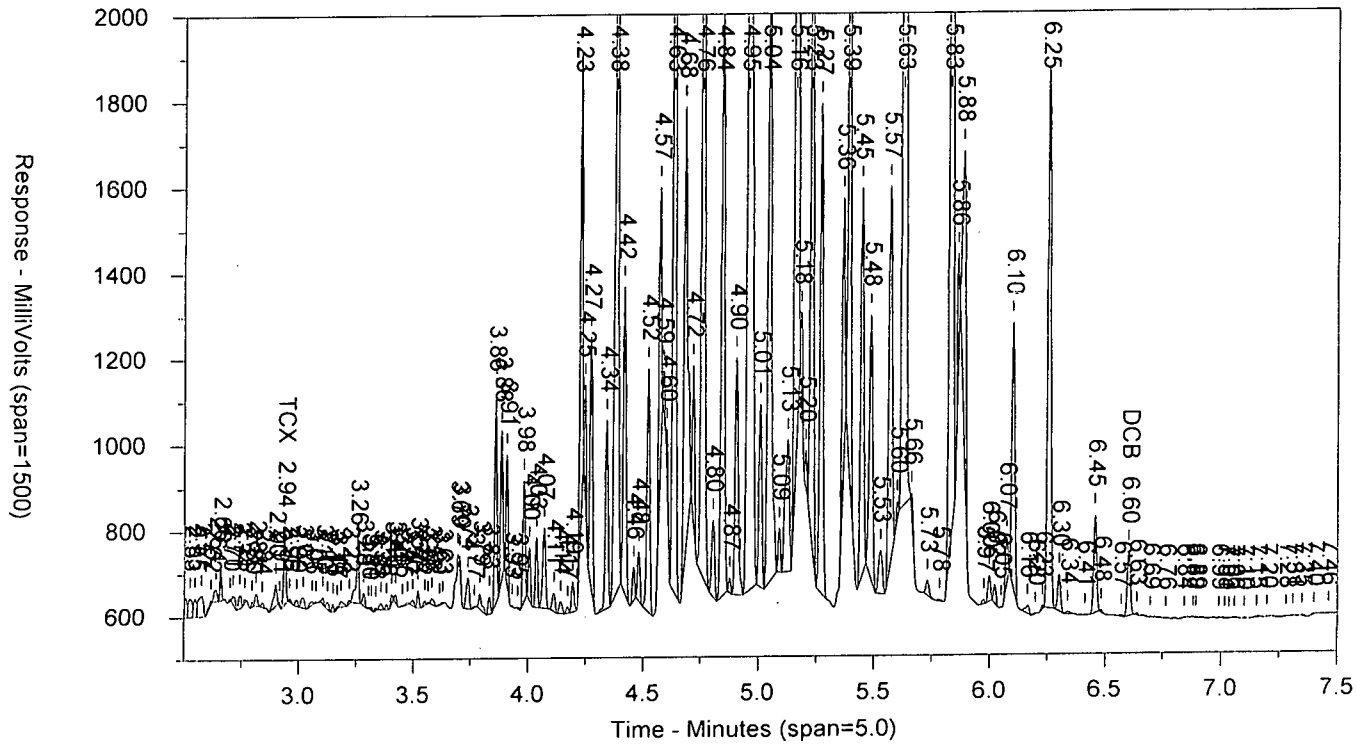


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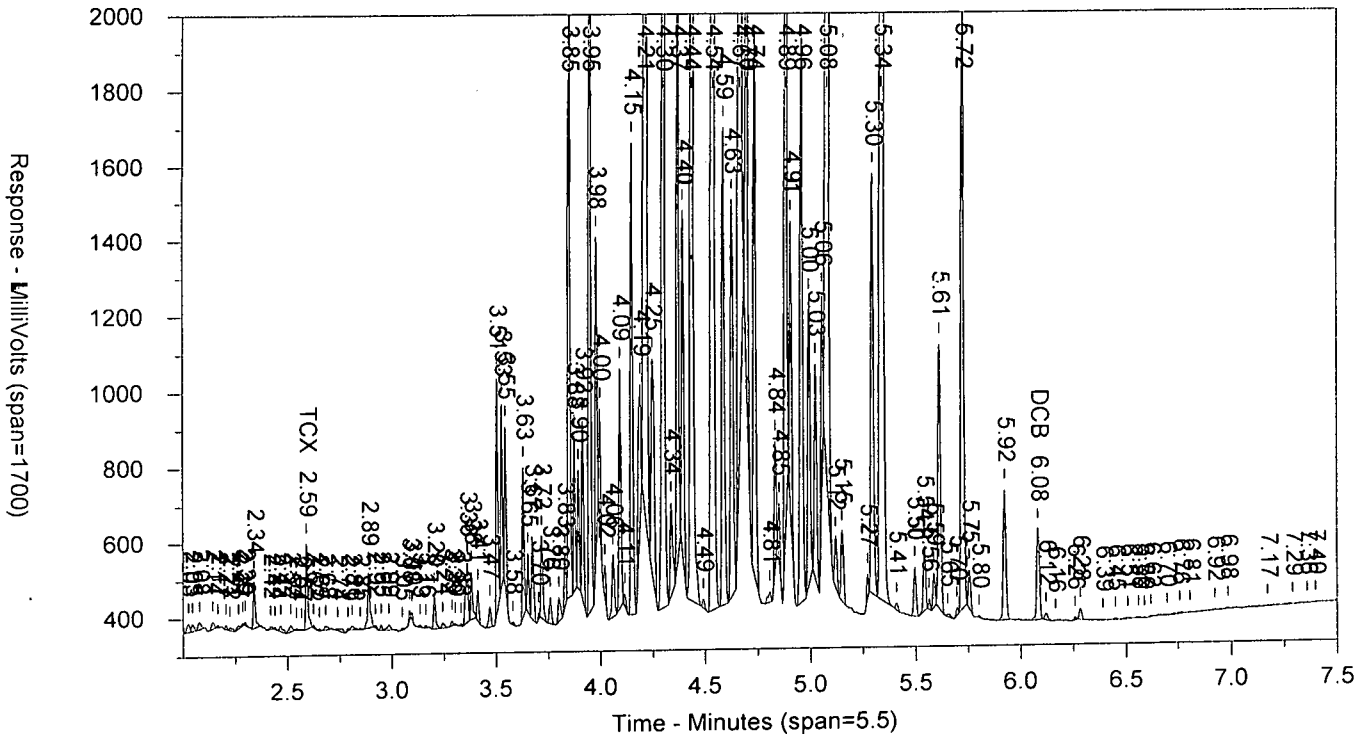


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229487** ACF DF50 99A16 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:17:02 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0060.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 79% ( 61 - 152 ) Conc: 23.95704
%SSR(DCB) 113% ( 48 - 164 ) Conc: 30.27408

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:17:02 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0060.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 77% ( 61 - 152 ) Conc: 23.30582
%SSR(DCB) 103% ( 48 - 164 ) Conc: 27.6207

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 132918 | 23.95704 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 195537 | 23.30582 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 123643 | 30.27408 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 211629 | 27.6207 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 23.95704 | | | | 2.76 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 23.95704 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 23.30582 | | | | | |
| ☐ | Decachlorobiphenyl | A | 30.27408 | | | | 9.17 | |
| ☑ | Decachlorobiphenyl-D1 | A | 30.27408 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 27.6207 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **14.25** | |
| 4.74 | 4.76 | 4.78 | 2111509 | 8998.978119 | | | 1 |
| 4.94 | 4.95 | 4.98 | 2475773 | 10435.663313 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3471346 | 12034.5852 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1338072 | 8383.991004 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4649004 | 9351.057058 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2916990 | 8642.167016 | | | 6 |
| Height summation: | | | **16962694** | | | | |
| Concentration | | CF: | **9641.073618** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.13** | |
| 4.42 | 4.44 | 4.46 | 4134513 | 9903.140062 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2629753 | 8392.699588 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4865333 | 12289.529245 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1981482 | 7297.639313 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5414168 | 8494.684042 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3537825 | 8488.570737 | | | 6 |
| Height summation: | | | **22563074** | | | | |
| Concentration | | CF: | **9144.377165** | L: | | | |

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hito Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2519.7628 | <489.1304 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <2519.7628 | <755.9289 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <2519.7628 | <607.7075 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <2519.7628 | <607.7075 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <2519.7628 | <489.1304 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <2519.7628 | <652.1739 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 9641.073618 | 2519.7628 | 578.0632 | D1 | 5.29 | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Operations

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:15

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229487** ACF DF50 99A16 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0060.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 79% (61-152) Conc.: 23.95704
%SSR(DCB) : 113% (48-164) Conc.: 30.27408 EOM

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 157.43 | |
| 3.17 | 3.18 | 3.21 | 8821.244 | 90.630614 | | | 1 |
| 3.38 | 3.40 | 3.42 | 14521.21 | 142.316445 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 11998.81 | 117.595433 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24692.64 | 201.477646 | | | 3 |
| 3.71 | 3.74 | 3.75 | 50016.08 | 335.846472 | | | 4 |
| 3.77 | 3.79 | 3.81 | 25934.2 | 197.820689 | | | 5 |
| 3.96 | 3.98 | 4.00 | 225568 | 2256.054076 | | | 6 |
| Height Summation: | | | **349553.374** | | | | |
| Amount Avg CF: | | | **537.357657** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 66.02 | |
| + 3.07 | 3.07 | 3.11 | 6763.909 | 134.85075 | | | 1 |
| 3.07 | 3.10 | 3.11 | 17035.43 | 339.632083 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 16947.83 | 385.425158 | | | 2 |
| 3.12 | 3.15 | 3.16 | 17083.99 | 388.52169 | | | 2 |
| 3.17 | 3.18 | 3.21 | 8821.244 | 64.80591 | | | 3 |
| Height Summation: | | | **42940.664** | | | | |
| Amount Avg CF: | | | **264.319894** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 170.53 | |
| 3.17 | 3.18 | 3.21 | 8821.244 | 77.983932 | | | 1 |
| 3.38 | 3.40 | 3.42 | 14521.21 | 316.032763 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 11998.81 | 261.136439 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24692.64 | 442.511268 | | | 3 |
| 3.71 | 3.74 | 3.75 | 50016.08 | 740.295139 | | | 4 |
| 3.77 | 3.79 | 3.81 | 25934.2 | 469.483418 | | | 5 |
| 3.96 | 3.98 | 4.00 | 225568 | 5953.603008 | | | 6 |
| Height Summation: | | | **349553.374** | | | | |
| Amount Avg CF: | | | **1333.318255** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 158.24 | |
| 3.17 | 3.18 | 3.21 | 8821.244 | 65.114796 | | | 1 |
| 3.38 | 3.40 | 3.42 | 14521.21 | 105.966832 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 11998.81 | 87.559913 | | | 2 |
| 3.50 | 3.52 | 3.54 | 24692.64 | 151.270506 | | | 3 |
| 3.71 | 3.74 | 3.75 | 50016.08 | 244.677179 | | | 4 |
| 3.77 | 3.79 | 3.81 | 25934.2 | 147.878081 | | | 5 |
| 3.96 | 3.98 | 4.00 | 225568 | 1688.987234 | | | 6 |
| Height Summation: | | | **349553.374** | | | | |
| Amount Avg CF: | | | **400.649105** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 98.97 | |
| 3.71 | 3.74 | 3.75 | 50016.08 | 753.480397 | | | 1 |
| 3.77 | 3.79 | 3.81 | 25934.2 | 357.074446 | | | 2 |
| 3.84 | 3.86 | 3.88 | 375159.9 | 3017.235754 | | | 3 |
| 3.96 | 3.98 | 4.00 | 225568 | 1617.156364 | | | 4 |
| 4.05 | 4.07 | 4.09 | 150118.5 | 1188.936402 | | | 5 |
| 4.23 | 4.23 | 4.27 | 868390.6 | 6188.249153 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 195106.5 | 1390.350878 | | | 6 |
| Height Summation: | | | **1695187.28** | | | | |
| Amount Avg CF: | | | **2187.022086** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0060.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 77% (61-152) Conc.: 23.30582
%SSR(DCB) : 103% (48-164) Conc.: 27.6207

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 87.19 | |
| 2.86 | 2.89 | 2.90 | 125469.8 | 885.545391 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64892.38 | 365.091235 | | | 2 |
| 3.38 | 3.38 | 3.42 | 91699.27 | 501.310588 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 59870.16 | 327.304079 | | | 3 |
| 3.45 | 3.47 | 3.49 | 41349.21 | 213.118864 | | | 4 |
| 3.51 | 3.53 | 3.55 | 360746 | 2466.784462 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 320589.7 | 2192.195314 | | | 5 |
| 3.61 | 3.63 | 3.65 | 317779.7 | 1917.128947 | | | 6 |
| Height Summation: | | | **1001936.36** | | | | |
| Amount Avg CF: | | | **1058.163248** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 87.38 | |
| 2.80 | 2.81 | 2.84 | 7667.036 | 145.192883 | | | 2 |
| 2.86 | 2.89 | 2.90 | 125469.8 | 614.777714 | | | 3 |
| Height Summation: | | | **133136.836** | | | | |
| Amount Avg CF: | | | **379.985298** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 106.18 | |
| 2.86 | 2.89 | 2.90 | 125469.8 | 765.571272 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64892.38 | 797.502091 | | | 2 |
| 3.38 | 3.38 | 3.42 | 91699.27 | 1118.248707 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 59870.16 | 730.101003 | | | 3 |
| 3.45 | 3.47 | 3.49 | 41349.21 | 498.795411 | | | 4 |
| 3.51 | 3.53 | 3.55 | 360746 | 6431.530499 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 320589.7 | 5715.607195 | | | 5 |
| 3.61 | 3.63 | 3.65 | 317779.7 | 4843.59937 | | | 6 |
| Height Summation: | | | **1001936.36** | | | | |
| Amount Avg CF: | | | **2409.207892** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 89.78 | |
| 2.86 | 2.89 | 2.90 | 125469.8 | 623.925037 | | | 1 |
| 3.19 | 3.20 | 3.23 | 64892.38 | 264.055871 | | | 2 |
| 3.38 | 3.38 | 3.42 | 91699.27 | 373.447992 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 59870.16 | 243.822999 | | | 3 |
| 3.45 | 3.47 | 3.49 | 41349.21 | 153.792572 | | | 4 |
| 3.51 | 3.53 | 3.55 | 360746 | 1896.409002 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 320589.7 | 1685.310975 | | | 5 |
| 3.61 | 3.63 | 3.65 | 317779.7 | 1433.519385 | | | 6 |
| Height Summation: | | | **1001936.36** | | | | |
| Amount Avg CF: | | | **790.85831** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229487** ACF DF50 99A16 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0060.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 63.65 | |
| 4.21 | 4.23 | 4.25 | 868390.6 | 5523.80136 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 195106.5 | 1241.065426 | | | 1 |
| 4.32 | 4.34 | 4.36 | 362347.2 | 6905.200566 | | | 2 |
| 4.55 | 4.57 | 4.59 | 564397.6 | 3246.647981 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 92482.47 | 531.997345 | | | 3 |
| 4.61 | 4.63 | 4.65 | 1960864 | 5658.126367 | | | 4 |
| 5.02 | 5.05 | 5.06 | 1233517 | 10188.879292 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3471346 | 17868.646805 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 171270 | 881.607059 | | | 6 |
| Height Summation: | | | **8460862.4** | | | | |
| Amount Avg CF: | | | **8231.883729** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 14.25 | |
| 4.74 | 4.76 | 4.78 | 2111509 | 8998.978119 | | | 1 |
| 4.94 | 4.96 | 4.98 | 2475773 | 10435.663313 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3471346 | 12034.5852 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1338072 | 8383.991004 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4649004 | 9351.057058 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2916990 | 8642.167016 | | | 6 |
| Height Summation: | | | **16962694** | | | | |
| Amount Avg CF: | | | **9641.073618** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 35.19 | |
| 5.21 | 5.23 | 5.25 | 1357724 | 4468.660461 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1338072 | 6169.299094 | | | 2 |
| 5.61 | 5.62 | 5.65 | 4649004 | 8054.243683 | | | 3 |
| 5.81 | 5.83 | 5.85 | 2916990 | 6510.810229 | | | 4 |
| 5.87 | 5.89 | 5.91 | 570116.9 | 2525.849968 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1097436 | 4869.819386 | | | 6 |
| Height Summation: | | | **11929342.9** | | | | |
| Amount Avg CF: | | | **5433.113804** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 96.45 | |
| 5.81 | 5.83 | 5.85 | 2916990 | 3362.330155 | | | 1 |
| 5.87 | 5.89 | 5.91 | 570116.9 | 745.722404 | | | 2 |
| 6.00 | 6.02 | 6.04 | 32571.44 | 48.154063 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 89411.48 | 529.426446 | | | 4 |
| 6.06 | 6.10 | 6.10 | 523668.3 | 3100.763426 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1097436 | 4451.897716 | | | 5 |
| 6.43 | 6.45 | 6.47 | 188431 | 107.182286 | | | 6 |
| Height Summation: | | | **5329213.64** | | | | |
| Amount Avg CF: | | | **1969.341675** | Linear: | | | |

GM

## Analysis Report (B)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0060.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 84.55 | |
| 3.38 | 3.38 | 3.42 | 91699.27 | 1231.444521 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 59870.16 | 804.006188 | | | 1 |
| 3.45 | 3.47 | 3.49 | 41349.21 | 374.862596 | | | 2 |
| 3.49 | 3.51 | 3.53 | 502044.6 | 2671.347697 | | | 3 |
| 3.61 | 3.63 | 3.65 | 317779.7 | 1423.032145 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 11243.96 | 69.565582 | | | 5 |
| 3.70 | 3.72 | 3.74 | 175847.5 | 1087.955996 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1523512 | 4988.662971 | | | 6 |
| Height Summation: | | | **2652232.28** | | | | |
| Amount Avg CF: | | | **1962.884321** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 65.65 | |
| 4.19 | 4.21 | 4.23 | 2229052 | 4839.846123 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3180698 | 14285.337136 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1338704 | 5211.740831 | | | 3 |
| 4.42 | 4.44 | 4.46 | 4134513 | 22668.152239 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1010265 | 5080.552768 | | | 5 |
| 4.65 | 4.67 | 4.69 | 4865333 | 14714.291486 | | | 6 |
| Height Summation: | | | **16758565** | | | | |
| Amount Avg CF: | | | **11133.320097** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 19.13 | |
| 4.42 | 4.44 | 4.46 | 4134513 | 9903.140062 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2629753 | 8392.699588 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4865333 | 12289.529245 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1981482 | 7297.639313 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5414168 | 8494.684042 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3537825 | 8488.570737 | | | 6 |
| Height Summation: | | | **22563074** | | | | |
| Amount Avg CF: | | | **9144.377165** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.36 | |
| 4.68 | 4.70 | 4.72 | 1541994 | 3587.838169 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1981482 | 4703.40586 | | | 2 |
| 5.06 | 5.08 | 5.10 | 5414168 | 6434.900253 | | | 3 |
| 5.28 | 5.30 | 5.32 | 955133.9 | 2788.062185 | | | 4 |
| 5.33 | 5.34 | 5.36 | 3537825 | 6372.831545 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1404976 | 4307.591684 | | | 6 |
| Height Summation: | | | **14835578.9** | | | | |
| Amount Avg CF: | | | **4699.104949** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.29 | |
| 5.28 | 5.30 | 5.32 | 955133.9 | 975.740348 | | | 1 |
| 5.33 | 5.34 | 5.36 | 3537825 | 3835.265759 | | | 2 |
| 5.48 | 5.50 | 5.52 | 98653.97 | 113.348363 | | | 3 |
| 5.55 | 5.56 | 5.59 | 25802.92 | 114.201806 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1404976 | 3854.04989 | | | 5 |
| 5.90 | 5.92 | 5.94 | 285782.5 | 99.983176 | | | 6 |
| Height Summation: | | | **6308174.29** | | | | |
| Amount Avg CF: | | | **1498.76489** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229487** ACF DF50 99A16 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0060.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:17:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0060.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2519.7628 | 489.1304 | | ** 65.28 | 4 | 40 | |
| Aroclor-1221 | | | 2519.7628 | 755.9289 | | 35.90 | 3 | 40 | |
| Aroclor-1232 | | | 2519.7628 | 607.7075 | | ** 57.50 | 4 | 40 | |
| Aroclor-1242 | | | 2519.7628 | 607.7075 | | ** 65.50 | 4 | 40 | |
| Aroclor-1248 | | | 2519.7628 | 489.1304 | | 10.80 | 4 | 40 | |
| Aroclor-1254 | | | 2519.7628 | 652.1739 | | 29.97 | 4 | 40 | |
| Aroclor-1260 | | | 2519.7628 | 578.0632 | | 5.29 | 4 | 40 | |
| Aroclor-1262 | | | 2519.7628 | 489.1304 | | 14.49 | 4 | 40 | |
| Aroclor-1268 | | | 2519.7628 | 489.1304 | | 27.14 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:17:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0060.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.526 | | 6473 | 13376 |
| 1.582 | | 83754 | 88099 |
| 1.613 | | 25604 | 28579 |
| 1.64 | | 33337 | 52829 |
| 1.662 | | 31483 | 35183 |
| 1.688 | | 42785 | 42667 |
| 1.737 | | 35249 | 64036 |
| 1.757 | | 31125 | 49508 |
| 1.816 | | 17838 | 12849 |
| 1.836 | | 27716 | 21053 |
| 1.862 | | 21232 | 20461 |
| 1.887 | | 21831 | 26262 |
| 1.927 | | 27530 | 21219 |
| 1.946 | | 29518 | 25448 |
| 1.971 | | 21208 | 12388 |
| 1.993 | | 34116 | 25058 |
| 2.01 | | 49994 | 55823 |
| 2.033 | | 42175 | 37161 |
| 2.058 | | 51413 | 73602 |
| 2.082 | | 41571 | 54575 |
| 2.103 | | 41161 | 29793 |
| 2.117 | | 58207 | 70122 |
| 2.138 | | 47717 | 44190 |
| 2.157 | | 56366 | 52879 |
| 2.184 | | 42850 | 38593 |
| 2.208 | | 97773 | 83832 |
| 2.232 | | 50131 | 44341 |
| 2.284 | | 42633 | 81479 |
| 2.321 | | 53456 | 47287 |
| 2.335 | | 32169 | 16010 |
| 2.354 | | 25879 | 16444 |
| 2.399 | | 59934 | 90027 |
| 2.436 | | 44528 | 57761 |
| 2.456 | | 49910 | 77244 |
| 2.491 | | 46931 | 58850 |
| 2.525 | | 42215 | 53964 |
| 2.547 | | 40113 | 31409 |
| 2.576 | | 44919 | 74317 |
| 2.616 | | 10422 | 9880 |
| 2.637 | | 24452 | 23746 |
| 2.659 | | 61391 | 32080 |
| 2.699 | | 4855 | 2139 |
| 2.713 | | 17269 | 17592 |
| 2.745 | | 28473 | 25315 |
| 2.763 | | 17648 | 18849 |
| 2.795 | | 11263 | 4739 |
| 2.812 | | 24573 | 20405 |
| 2.84 | | 9839 | 6423 |
| 2.898 | | 39755 | 44405 |
| 2.914 | | 8175 | 3010 |
| 2.937 | TCX | 132918 | 93388 |
| 2.959 | | 5884 | 4366 |
| 2.987 | | 13901 | 11357 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.016 | | 23247 | 24702 |
| 3.058 | | 9698 | 12377 |
| 3.072 | | 6764 | 2674 |
| 3.101 | | 17035 | 15085 |
| 3.122 | | 16948 | 14524 |
| 3.147 | | 17084 | 9250 |
| 3.165 | | 6719 | 2907 |
| 3.183 | | 8821 | 8119 |
| 3.219 | | 9166 | 5261 |
| 3.256 | | 96965 | 85578 |
| 3.282 | | 24266 | 17235 |
| 3.302 | | 3045 | 1219 |
| 3.315 | | 6531 | 3089 |
| 3.334 | | 7380 | 4295 |
| 3.356 | | 14745 | 12195 |
| 3.382 | | 11345 | 7917 |
| 3.405 | | 14521 | 8946 |
| 3.419 | | 11999 | 8050 |
| 3.451 | | 3535 | 3172 |
| 3.474 | | 3456 | 2662 |
| 3.496 | | 11272 | 9478 |
| 3.519 | | 24693 | 15217 |
| 3.549 | | 8300 | 5638 |
| 3.582 | | 9024 | 7957 |
| 3.612 | | 3044 | 1152 |
| 3.637 | | 7023 | 8735 |
| 3.694 | | 18633 | 8644 |
| 3.737 | | 50016 | 44672 |
| 3.768 | | 3115 | 2378 |
| 3.789 | | 25934 | 30306 |
| 3.83 | | 32630 | 23861 |
| 3.857 | | 375160 | 270463 |
| 3.884 | | 264877 | 174142 |
| 3.906 | | 217285 | 144424 |
| 3.927 | | 5157 | 2463 |
| 3.949 | | 1659 | 572 |
| 3.98 | | 225568 | 164483 |
| 4.004 | | 87015 | 56043 |
| 4.035 | | 118638 | 80869 |
| 4.069 | | 150119 | 131697 |
| 4.11 | | 31060 | 27653 |
| 4.142 | | 23901 | 22042 |
| 4.17 | | 17148 | 10905 |
| 4.193 | | 56285 | 46173 |
| 4.229 | | 868391 | 630261 |
| 4.246 | | 195107 | 99660 |
| 4.272 | | 433570 | 370684 |
| 4.34 | | 362347 | 297613 |
| 4.382 | | 1529851 | 1515604 |
| 4.416 | | 602440 | 487149 |
| 4.457 | | 59584 | 43670 |
| 4.479 | | 89835 | 65784 |
| 4.52 | | 449539 | 403958 |
| 4.571 | | 564398 | 409664 |
| 4.587 | | 92482 | 42745 |
| 4.6 | | 83241 | 43836 |
| 4.632 | | 1960864 | 1666749 |
| 4.681 | | 903859 | 965037 |
| 4.716 | | 298353 | 216504 |
| 4.757 | | 2111509 | 1940802 |
| 4.803 | | 151226 | 126719 |
| 4.843 | | 1118324 | 1059007 |
| 4.874 | | 28528 | 17655 |
| 4.903 | | 458497 | 447928 |
| 4.954 | | 2475773 | 3067958 |
| 5.006 | | 359099 | 323002 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.045 | | 1233517 | 1339723 |
| 5.088 | | 84352 | 57094 |
| 5.126 | | 257014 | 329069 |
| 5.16 | | 3471347 | 3002168 |
| 5.182 | | 171270 | 93683 |
| 5.202 | | 78557 | 37697 |
| 5.227 | | 1357724 | 1273182 |
| 5.269 | | 947564 | 928917 |
| 5.364 | | 531247 | 420720 |
| 5.389 | | 1338072 | 1097075 |
| 5.445 | | 774889 | 728877 |
| 5.484 | | 532260 | 529473 |
| 5.525 | | 83765 | 100127 |
| 5.567 | | 722603 | 726550 |
| 5.599 | | 37080 | 26484 |
| 5.625 | | 4649005 | 4367496 |
| 5.661 | | 39879 | 21911 |
| 5.729 | | 32985 | 34102 |
| 5.771 | | 2047 | 996 |
| 5.829 | | 2916990 | 2722015 |
| 5.86 | | 225322 | 154176 |
| 5.885 | | 570117 | 612285 |
| 5.969 | | 7641 | 5090 |
| 5.995 | | 47971 | 38673 |
| 6.02 | | 32571 | 25284 |
| 6.071 | | 89411 | 71194 |
| 6.099 | | 523668 | 480344 |
| 6.162 | | 15743 | 16590 |
| 6.201 | | 4078 | 5382 |
| 6.228 | | 6227 | 4289 |
| 6.254 | | 1097436 | 1028778 |
| 6.298 | | 71075 | 63464 |
| 6.34 | | 2831 | 2366 |
| 6.409 | | 1465 | 406 |
| 6.453 | | 188431 | 172836 |
| 6.479 | | 4521 | 2496 |
| 6.563 | | 1413 | 794 |
| 6.6 | DCB | 123643 | 121480 |
| 6.633 | | 4542 | 3238 |
| 6.702 | | 1774 | 593 |
| 6.853 | | 1375 | 1920 |
| 7.009 | | 2108 | 1276 |
| 7.104 | | 2621 | 2146 |
| 7.16 | | 1878 | 438 |
| 7.202 | | 2127 | 1930 |
| 7.272 | | 1944 | 1361 |
| 7.302 | | 1589 | 793 |
| 7.35 | | 1532 | 329 |
| 7.416 | | 1978 | 4998 |
| 7.505 | | 1112 | 273 |
| 7.548 | | 1941 | 1374 |
| 7.594 | | 1119 | 741 |
| 7.627 | | 814 | 508 |
| 7.732 | | 1770 | 1941 |
| 7.787 | | 1351 | 1817 |
| 7.87 | | 758 | 363 |
| 7.95 | | 7389 | 11410 |
| 8.039 | | 1478 | 2776 |
| 8.124 | | 1219 | 315 |
| 8.381 | | 1457 | 590 |
| 8.517 | | 1336 | 314 |
| 8.568 | | 2428 | 2292 |
| 8.641 | | 1466 | 733 |
| 8.655 | | 1374 | 609 |

LANCASTER LABORATORIES

Sample Number: 9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:17:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0060.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

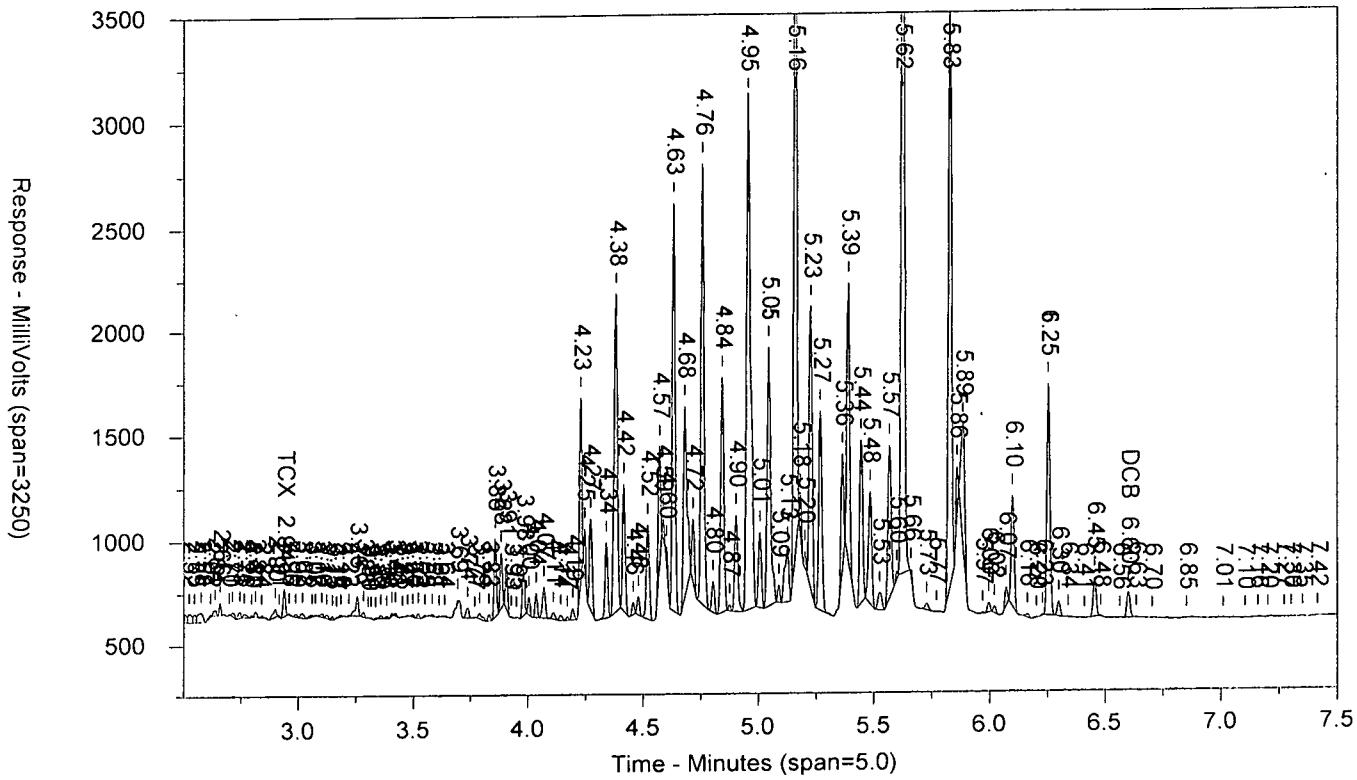
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.504 | | 4128 | 2676 |
| 1.529 | | 10231 | 5634 |
| 1.555 | | 20210 | 20622 |
| 1.583 | | 17620 | 21322 |
| 1.62 | | 25641 | 44600 |
| 1.648 | | 19665 | 20054 |
| 1.688 | | 25133 | 36996 |
| 1.71 | | 27898 | 36660 |
| 1.742 | | 22937 | 23009 |
| 1.769 | | 33412 | 36313 |
| 1.815 | | 31716 | 76046 |
| 1.855 | | 32032 | 37574 |
| 1.878 | | 31375 | 25007 |
| 1.901 | | 36552 | 35955 |
| 1.932 | | 111840 | 102699 |
| 1.957 | | 30973 | 29256 |
| 1.979 | | 28083 | 32461 |
| 1.999 | | 16440 | 9059 |
| 2.024 | | 22894 | 21493 |
| 2.045 | | 20596 | 18031 |
| 2.077 | | 23012 | 36839 |
| 2.142 | | 17195 | 17869 |
| 2.166 | | 7288 | 3926 |
| 2.187 | | 3964 | 2114 |
| 2.206 | | 11021 | 5668 |
| 2.224 | | 5907 | 3255 |
| 2.266 | | 8248 | 8135 |
| 2.286 | | 6343 | 2923 |
| 2.297 | | 9316 | 5050 |
| 2.34 | | 113536 | 85487 |
| 2.42 | | 8810 | 8097 |
| 2.44 | | 6723 | 3279 |
| 2.466 | | 14960 | 16364 |
| 2.516 | | 16161 | 19411 |
| 2.542 | | 3237 | 1497 |
| 2.566 | | 2808 | 1357 |
| 2.591 | TCX | 195537 | 130743 |
| 2.623 | | 6679 | 4724 |
| 2.652 | | 6400 | 3293 |
| 2.682 | | 9674 | 10838 |
| 2.737 | | 5950 | 14921 |
| 2.789 | | 6561 | 4162 |
| 2.81 | | 7667 | 6233 |
| 2.848 | | 4725 | 2235 |
| 2.888 | | 125470 | 98813 |
| 2.921 | | 5080 | 3775 |
| 2.948 | | 12416 | 7529 |
| 2.987 | | 11816 | 15955 |
| 3.051 | | 4773 | 3696 |
| 3.084 | | 19849 | 9327 |
| 3.095 | | 13110 | 5535 |
| 3.161 | | 6246 | 6888 |
| 3.205 | | 64892 | 47860 |
| 3.244 | | 11398 | 10652 |

| | | |
|---|---|---|
| 3.289 | 10264 | 6044 |
| 3.304 | 3921 | 2216 |
| 3.334 | 5095 | 2839 |
| 3.363 | 114948 | 93706 |
| 3.383 | 91699 | 57070 |
| 3.413 | 59870 | 34194 |
| 3.47 | 41349 | 30825 |
| 3.506 | 502045 | 313797 |
| 3.529 | 360746 | 196631 |
| 3.546 | 320590 | 177719 |
| 3.577 | 4977 | 4318 |
| 3.631 | 317780 | 198376 |
| 3.653 | 118990 | 65054 |
| 3.674 | 169098 | 116597 |
| 3.704 | 11244 | 5066 |
| 3.719 | 175848 | 113667 |
| 3.759 | 54221 | 37503 |
| 3.801 | 49310 | 38358 |
| 3.831 | 108470 | 61693 |
| 3.852 | 1523512 | 1036879 |
| 3.877 | 323249 | 177640 |
| 3.896 | 268052 | 144319 |
| 3.917 | 408649 | 259675 |
| 3.951 | 1831622 | 1299508 |
| 3.982 | 655477 | 402714 |
| 3.999 | 241696 | 122690 |
| 4.021 | 63335 | 35495 |
| 4.06 | 135845 | 110149 |
| 4.095 | 512971 | 366626 |
| 4.115 | 24268 | 13406 |
| 4.151 | 994806 | 749123 |
| 4.191 | 315559 | 317971 |
| 4.211 | 2229053 | 2192756 |
| 4.249 | 516699 | 512692 |
| 4.301 | 3180698 | 2534837 |
| 4.339 | 206955 | 172336 |
| 4.371 | 1338705 | 912531 |
| 4.396 | 791905 | 575108 |
| 4.438 | 4134513 | 3291567 |
| 4.491 | 9672 | 7468 |
| 4.539 | 2629753 | 2771756 |
| 4.589 | 1010265 | 864115 |
| 4.63 | 926185 | 807584 |
| 4.666 | 4865333 | 3930614 |
| 4.699 | 1541994 | 1086345 |
| 4.738 | 1242848 | 993943 |
| 4.808 | 22560 | 23055 |
| 4.836 | 302675 | 204052 |
| 4.853 | 119781 | 71361 |
| 4.886 | 1981482 | 1526703 |
| 4.91 | 588389 | 403883 |
| 4.96 | 1240671 | 1117107 |
| 4.996 | 632617 | 518069 |
| 5.026 | 478647 | 385773 |
| 5.058 | 393934 | 248449 |
| 5.081 | 5414168 | 4615647 |
| 5.123 | 121666 | 87730 |
| 5.153 | 163137 | 135648 |
| 5.273 | 46746 | 30070 |
| 5.296 | 955134 | 816355 |
| 5.34 | 3537825 | 3804985 |
| 5.408 | 9272 | 7848 |
| 5.441 | 3449 | 3721 |
| 5.496 | 98654 | 86407 |
| 5.543 | 139996 | 112040 |
| 5.565 | 25803 | 14092 |
| 5.588 | 73109 | 48696 |

| | | | |
|---|---|---|---|
| 5.614 | | 625389 | 508307 |
| 5.656 | | 6941 | 7556 |
| 5.697 | | 13593 | 8867 |
| 5.723 | | 1404976 | 1206849 |
| 5.755 | | 87721 | 63975 |
| 5.801 | | 3974 | 3713 |
| 5.924 | | 285783 | 255740 |
| 5.986 | | 1778 | 2143 |
| 6.081 | DCB | 211629 | 188298 |
| 6.119 | | 13602 | 12682 |
| 6.258 | | 4253 | 3341 |
| 6.283 | | 21889 | 19121 |
| 6.416 | | 1504 | 740 |
| 6.451 | | 3515 | 3696 |
| 6.503 | | 2287 | 2439 |
| 6.559 | | 3336 | 4001 |
| 6.614 | | 3373 | 2758 |
| 6.656 | | 1926 | 1701 |
| 6.769 | | 2374 | 7135 |
| 6.808 | | 2360 | 2624 |
| 6.927 | | 2336 | 12633 |
| 6.983 | | 3975 | 4045 |
| 7.344 | | 1265 | 985 |
| 7.51 | | 12593 | 16655 |
| 7.762 | | 1361 | 1531 |
| 7.886 | | 1457 | 1310 |
| 8.056 | | 6431 | 12376 |
| 8.155 | | 10122 | 20169 |
| 8.366 | | 9809 | 17935 |
| 8.477 | | 1169 | 1098 |

9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0060.RAW

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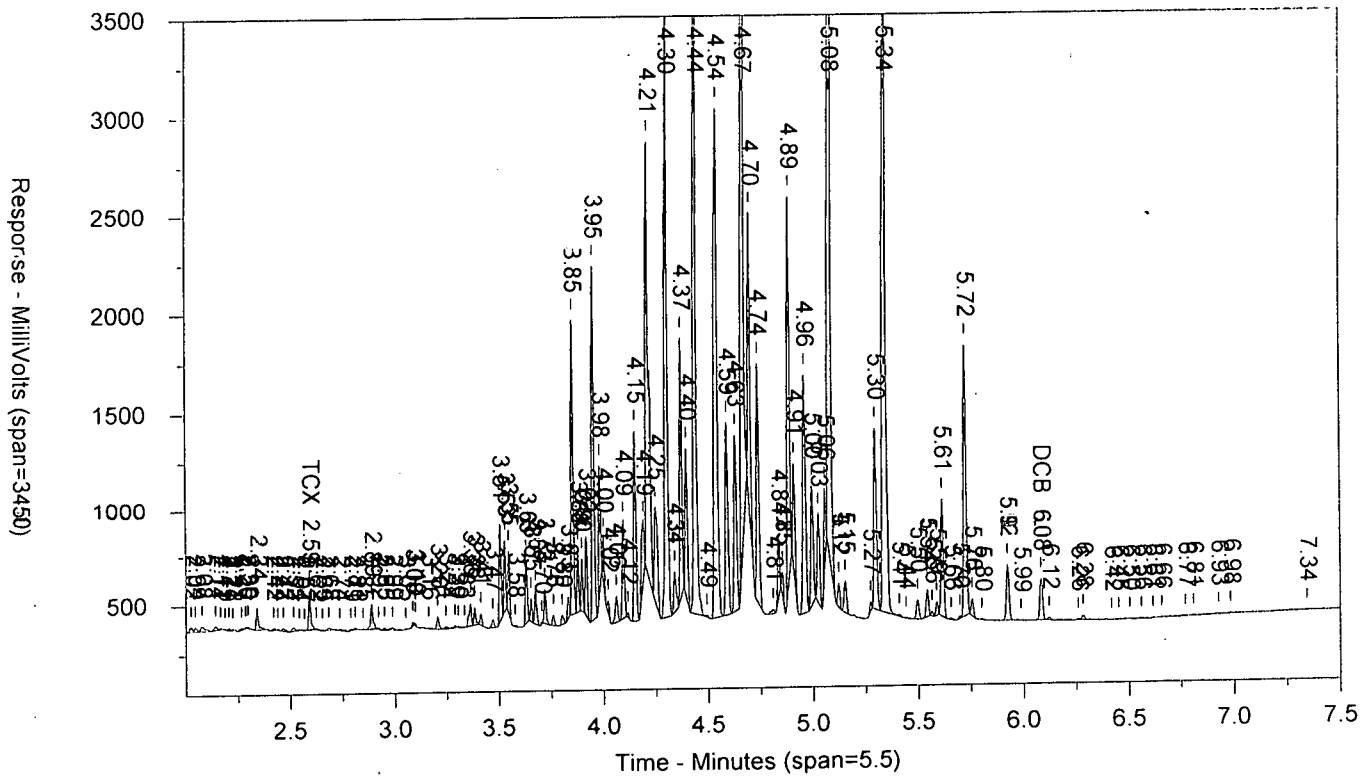


LANCASTER LABORATORIES

Sample Number: 9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:17:02 AM
Sample Weight: 10.12
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

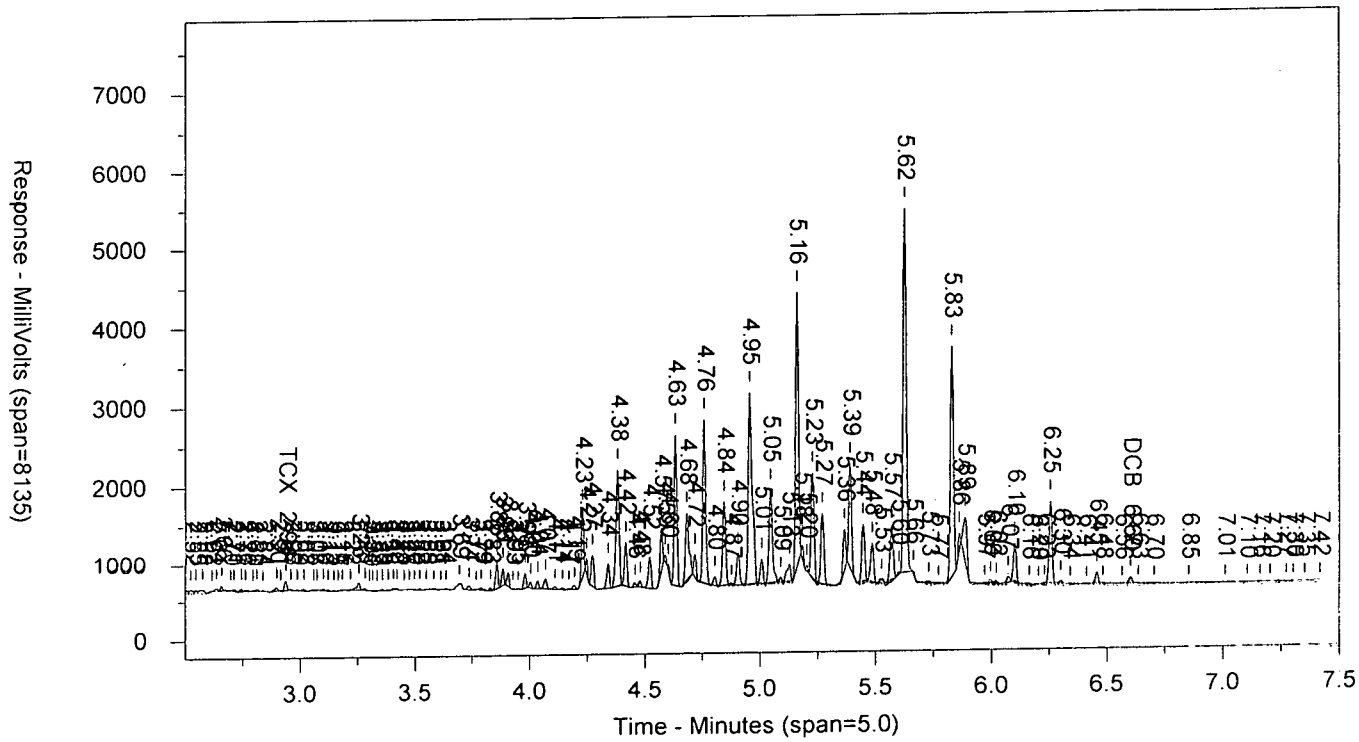
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 132918 | 23.957 | TCX | 2.591 | 195537 | 23.306 | TCX |
| 6.6 | 123643 | 30.274 | DCB | 6.081 | 211629 | 27.621 | DCB |

Files:
Area File: 07PCBS17284001.0060.RAW
Area File: 07PCBS17284001B.0060.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:33:48 AM

9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0060.RAW

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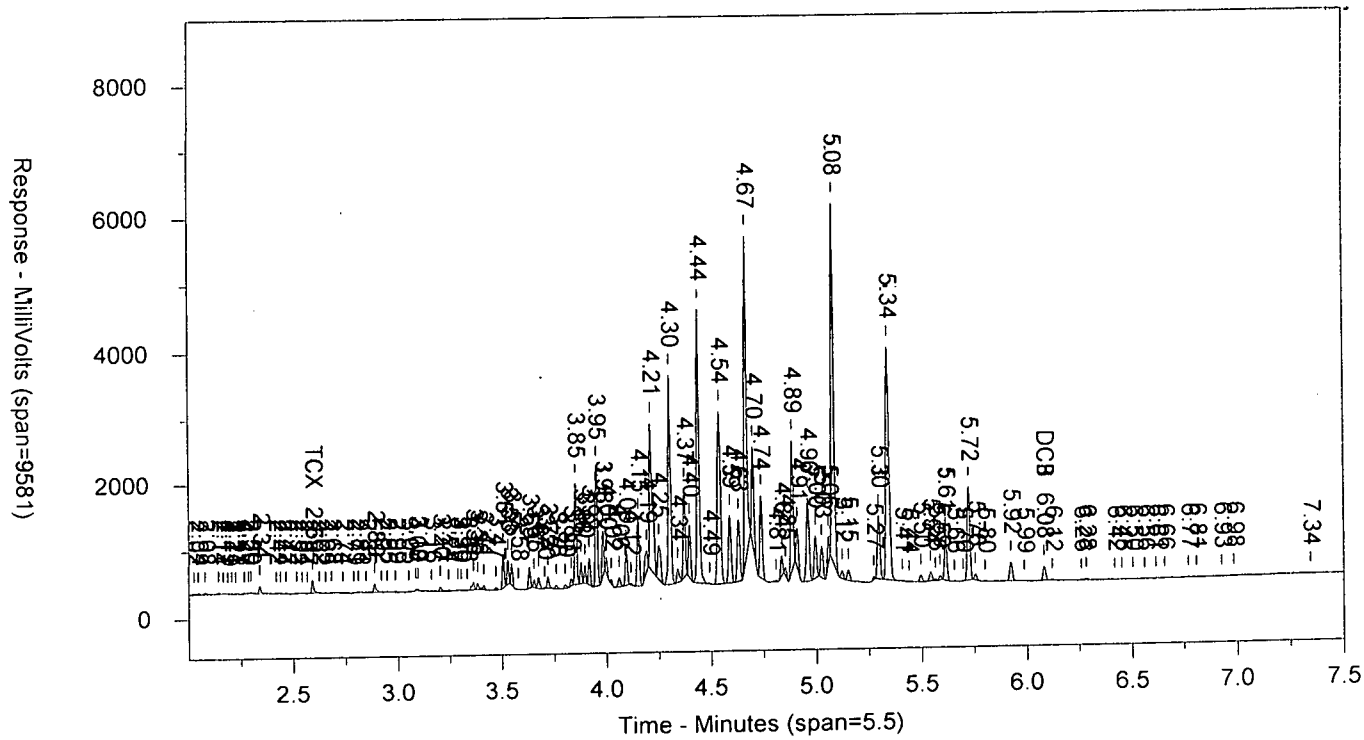

9229487 ACF DF50 AC99A16 T 172820028A 10225 SW-846 8082

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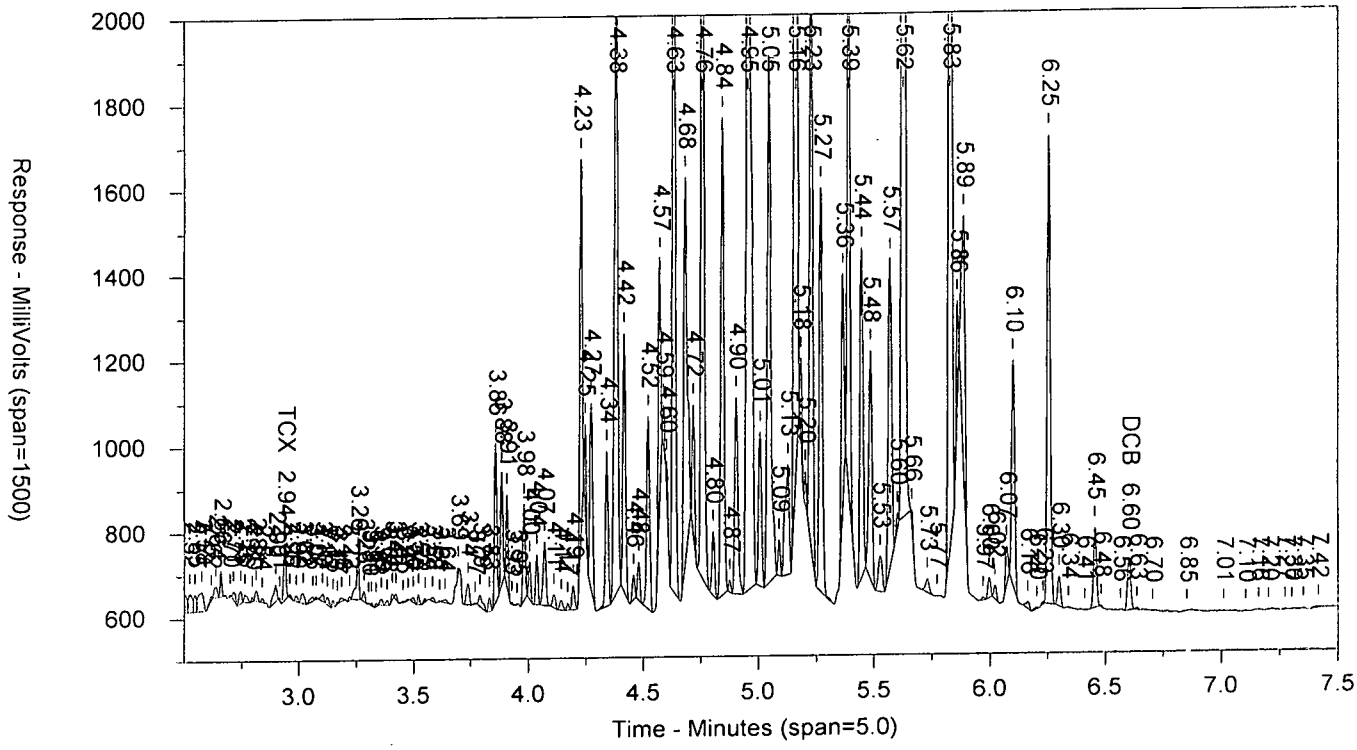


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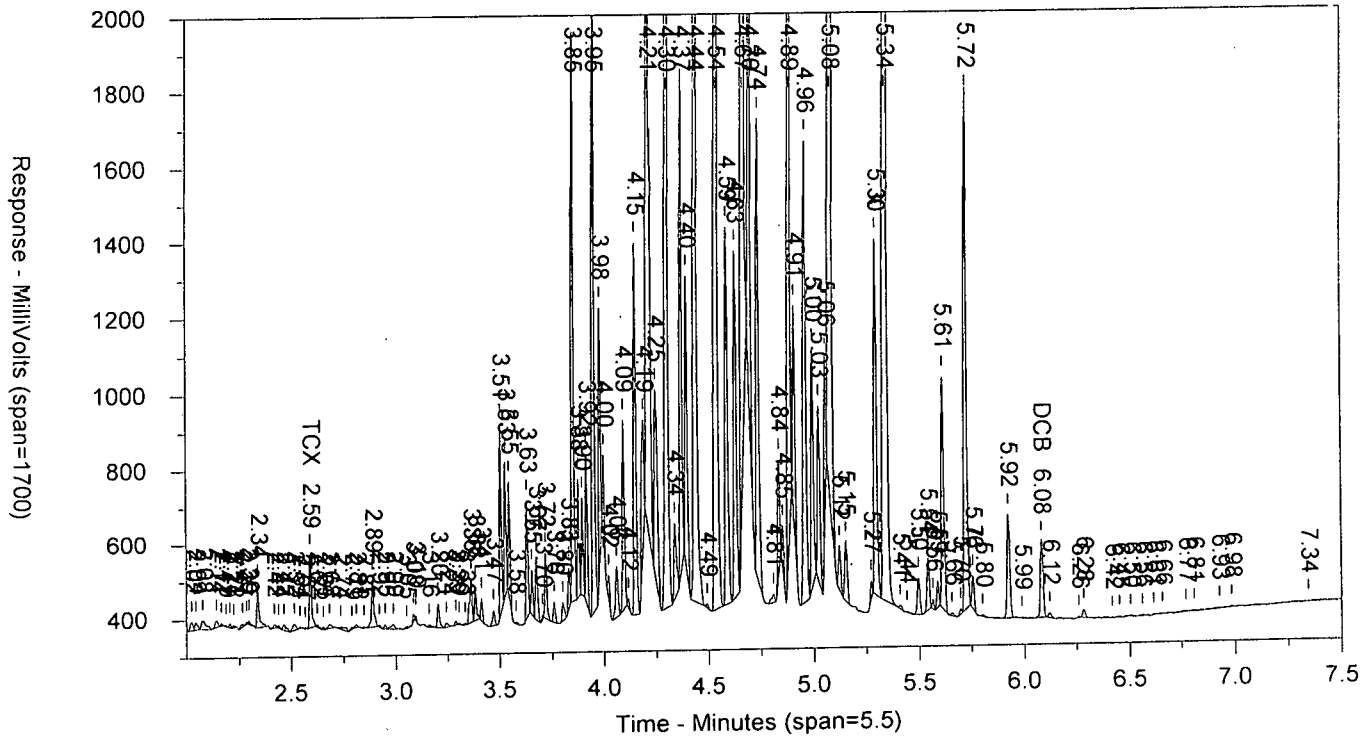


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229488** ACF DF20 99A17 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:28:25 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0061.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 76% ( 61 - 152 ) Conc: 22.88578
%SSR(DCB) 103% ( 48 - 164 ) Conc: 27.58023

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:28:25 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0061.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 71% ( 61 - 152 ) Conc: 21.27207
%SSR(DCB) 95% ( 48 - 164 ) Conc: 25.35008

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 318378 | 22.88578 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 447506 | 21.27207 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 282437 | 27.58023 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 487018 | 25.35008 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | A | 22.88578 | | | | 7.31 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 22.88578 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 21.27207 | | | | | |
| ☐ | Decachlorobiphenyl | A | 27.58023 | | | | 8.43 | |
| ☑ | Decachlorobiphenyl-D1 | A | 27.58023 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 25.35008 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **14.55** | |
| 4.74 | 4.76 | 4.78 | 2105265 | 3578.339075 | | | 1 |
| 4.94 | 4.95 | 4.98 | 2512156 | 4223.089669 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3423388 | 4733.297568 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1295707 | 3237.81915 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4806324 | 3855.567337 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2886556 | 3410.689339 | | | 6 |

Height summation: **17029396**
Concentration CF: **3839.800356** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **16.98** | |
| 4.42 | 4.44 | 4.46 | 4226189 | 4037.122583 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2755878 | 3507.689707 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4694530 | 4729.217168 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1928957 | 2833.278533 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5683700 | 3556.486059 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3779750 | 3616.893847 | | | 6 |

Height summation: **23069004**
Concentration CF: **3713.447983** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <1004.9261 | <195.0739 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <1004.9261 | <301.4778 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <1004.9261 | <242.3645 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <1004.9261 | <242.3645 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <1004.9261 | <195.0739 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <1004.9261 | <260.0985 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 3839.800356 | 1004.9261 | 230.5419 | D1 | 3.35 | 4 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Spectrum

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:17

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229488** ACF DF20 99A17 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0061.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 76% (61-152) Conc.: 22.88578
%SSR(DCB) : 103% (48-164) Conc.: 27.58023

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 161.01 | |
| 3.17 | 3.18 | 3.21 | 12203.36 | 50.003335 | | | 1 |
| 3.38 | 3.41 | 3.42 | 17279.4 | 67.53912 | | | 2 |
| 3.71 | 3.73 | 3.75 | 39572.27 | 105.973326 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 3736.378 | 11.366431 | | | 5 |
| 3.77 | 3.79 | 3.81 | 19923.53 | 60.609347 | | | 5 |
| 3.96 | 3.98 | 4.00 | 245728.6 | 980.171756 | | | 6 |
| Height Summation: | | | **334707.16** | | | | |
| Amount Avg CF: | | | **252.859377** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 63.38 | |
| + 3.07 | 3.07 | 3.11 | 5413.617 | 43.044493 | | | 1 |
| 3.07 | 3.10 | 3.11 | 23091.94 | 183.607531 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 17376.48 | 157.602182 | | | 2 |
| 3.12 | 3.15 | 3.16 | 19895.87 | 180.452688 | | | 2 |
| 3.17 | 3.18 | 3.21 | 12203.36 | 35.755155 | | | 3 |
| Height Summation: | | | **55191.17** | | | | |
| Amount Avg CF: | | | **133.271791** | Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 173.43 | |
| 3.17 | 3.18 | 3.21 | 12203.36 | 43.025822 | | | 1 |
| 3.38 | 3.41 | 3.42 | 17279.4 | 149.97968 | | | 2 |
| 3.71 | 3.73 | 3.75 | 39572.27 | 233.593456 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 3736.378 | 26.975697 | | | 5 |
| 3.77 | 3.79 | 3.81 | 19923.53 | 143.842808 | | | 5 |
| 3.96 | 3.98 | 4.00 | 245728.6 | 2586.619523 | | | 6 |
| Height Summation: | | | **334707.16** | | | | |
| Amount Avg CF: | | | **631.412258** | Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 161.91 | |
| 3.17 | 3.18 | 3.21 | 12203.36 | 35.925576 | | | 1 |
| 3.38 | 3.41 | 3.42 | 17279.4 | 50.208003 | | | 2 |
| 3.71 | 3.73 | 3.75 | 39572.27 | 77.205677 | | | 4 |
| + 3.77 | 3.77 | 3.81 | 3736.378 | 8.496816 | | | 5 |
| 3.77 | 3.79 | 3.81 | 19923.53 | 45.307667 | | | 5 |
| 3.96 | 3.98 | 4.00 | 245728.6 | 733.802262 | | | 6 |
| Height Summation: | | | **334707.16** | | | | |
| Amount Avg CF: | | | **188.505973** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 71.41 | |
| 3.71 | 3.73 | 3.75 | 39572.27 | 237.753945 | | | 1 |
| + 3.77 | 3.77 | 3.81 | 3736.378 | 20.516874 | | | 2 |
| 3.77 | 3.79 | 3.81 | 19923.53 | 109.402353 | | | 2 |
| 3.84 | 3.86 | 3.88 | 390764.5 | 1253.378954 | | | 3 |
| 3.96 | 3.98 | 4.00 | 245728.6 | 702.594415 | | | 4 |
| 4.05 | 4.07 | 4.09 | 142408.1 | 449.814615 | | | 5 |
| 4.23 | 4.25 | 4.27 | 237808.1 | 675.85539 | | | 6 |
| Height Summation: | | | **1076205.1** | | | | |
| Amount Avg CF: | | | **571.466612** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0061.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 71% (61-152) Conc.: 21.27207
%SSR(DCB) : 95% (48-164) Conc.: 25.35008

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 88.57 | |
| 2.86 | 2.89 | 2.90 | 222661.2 | 626.74464 | | | 1 |
| 3.19 | 3.21 | 3.23 | 36964.35 | 82.940231 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 14504.11 | 31.623253 | | | 3 |
| 3.38 | 3.40 | 3.42 | 30485.52 | 66.467458 | | | 3 |
| 3.45 | 3.47 | 3.49 | 49147.82 | 101.026056 | | | 4 |
| 3.51 | 3.53 | 3.55 | 231448 | 631.186315 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 66431.2 | 181.16581 | | | 5 |
| 3.61 | 3.63 | 3.65 | 350952.9 | 844.400479 | | | 6 |
| + 3.61 | 3.65 | 3.65 | 59666.34 | 143.55854 | | | 6 |
| Height Summation: | | | **921659.79** | | | | |
| Amount Avg CF: | | | **392.12753** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 85.66 | |
| 2.80 | 2.81 | 2.84 | 14145.54 | 106.834573 | | | 2 |
| 2.86 | 2.89 | 2.90 | 222661.2 | 435.10885 | | | 3 |
| Height Summation: | | | **236806.74** | | | | |
| Amount Avg CF: | | | **270.971712** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 105.39 | |
| 2.86 | 2.89 | 2.90 | 222661.2 | 541.832972 | | | 1 |
| 3.19 | 3.21 | 3.23 | 36964.35 | 181.173912 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 14504.11 | 70.540425 | | | 3 |
| 3.38 | 3.40 | 3.42 | 30485.52 | 148.265667 | | | 3 |
| 3.45 | 3.47 | 3.49 | 49147.82 | 236.447079 | | | 4 |
| 3.51 | 3.53 | 3.55 | 231448 | 1645.662235 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 66431.2 | 472.34505 | | | 5 |
| 3.61 | 3.63 | 3.65 | 350952.9 | 2133.365956 | | | 6 |
| Height Summation: | | | **921659.79** | | | | |
| Amount Avg CF: | | | **814.45797** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 89.29 | |
| 2.86 | 2.89 | 2.90 | 222661.2 | 441.582867 | | | 1 |
| 3.19 | 3.21 | 3.23 | 36964.35 | 59.987348 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 14504.11 | 23.557532 | | | 3 |
| 3.38 | 3.40 | 3.42 | 30485.52 | 49.514491 | | | 3 |
| 3.45 | 3.47 | 3.49 | 49147.82 | 72.903246 | | | 4 |
| 3.51 | 3.53 | 3.55 | 231448 | 485.241993 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 66431.2 | 139.276243 | | | 5 |
| 3.61 | 3.63 | 3.65 | 350952.9 | 631.394387 | | | 6 |
| Height Summation: | | | **921659.79** | | | | |
| Amount Avg CF: | | | **290.104055** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229488** ACF DF20 99A17 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0061.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 63.71 | |
| 4.21 | 4.23 | 4.25 | 915005.2 | 2321.2449 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 237808.1 | 603.287106 | | | 1 |
| 4.32 | 4.34 | 4.36 | 315045.4 | 2394.412616 | | | 2 |
| 4.55 | 4.57 | 4.59 | 608086.7 | 1395.050762 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 98589.02 | 226.179404 | | | 3 |
| 4.61 | 4.63 | 4.65 | 1876972 | 2160.018272 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1245175 | 4101.910045 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3423388 | 7027.880153 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 186578 | 383.026354 | | | 6 |
| Height Summation: | | | 8383672.3 | | | | |
| Amount Avg CF: | | | 3233.419458 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 14.55 | |
| 4.74 | 4.76 | 4.78 | 2105265 | 3578.339075 | | | 1 |
| 4.94 | 4.95 | 4.98 | 2512156 | 4223.089669 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3423388 | 4733.297568 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1295707 | 3237.81915 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4806324 | 3855.567337 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2886556 | 3410.689339 | | | 6 |
| Height Summation: | | | 17029396 | | | | |
| Amount Avg CF: | | | 3839.800357 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 36.78 | |
| 5.21 | 5.23 | 5.25 | 1384259 | 1817.011516 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1295707 | 2382.525785 | | | 2 |
| 5.61 | 5.62 | 5.65 | 4806324 | 3320.873638 | | | 3 |
| 5.81 | 5.83 | 5.85 | 2886556 | 2569.535048 | | | 4 |
| 5.87 | 5.88 | 5.91 | 552003.1 | 975.348036 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1070686 | 1894.829935 | | | 6 |
| Height Summation: | | | 11995535.1 | | | | |
| Amount Avg CF: | | | 2160.02066 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 96.17 | |
| 5.81 | 5.83 | 5.85 | 2886556 | 1326.966211 | | | 1 |
| 5.87 | 5.88 | 5.91 | 552003.1 | 287.95807 | | | 2 |
| 6.00 | 6.02 | 6.04 | 34600.91 | 20.401306 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 92928.69 | 219.450525 | | | 4 |
| 6.06 | 6.10 | 6.10 | 527277 | 1245.161366 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1070686 | 1732.218054 | | | 5 |
| 6.43 | 6.45 | 6.47 | 189550.6 | 43.000181 | | | 6 |
| Height Summation: | | | 5260673.61 | | | | |
| Amount Avg CF: | | | 775.950865 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0061.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 98.16 | |
| + 3.38 | 3.38 | 3.42 | 14504.11 | 77.680948 | | | 1 |
| 3.38 | 3.40 | 3.42 | 30485.52 | 163.274003 | | | 1 |
| 3.45 | 3.47 | 3.49 | 49147.82 | 177.698439 | | | 2 |
| 3.49 | 3.51 | 3.53 | 517157.3 | 1097.451255 | | | 3 |
| 3.61 | 3.63 | 3.65 | 350952.9 | 626.775276 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 18729.57 | 46.214409 | | | 5 |
| 3.70 | 3.72 | 3.74 | 166852.6 | 411.701616 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1638999 | 2140.382716 | | | 6 |
| Height Summation: | | | 2753595.14 | | | | |
| Amount Avg CF: | | | 769.547217 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 65.48 | |
| 4.19 | 4.21 | 4.23 | 2077214 | 1798.734467 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3216245 | 5760.917344 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1420942 | 2206.221248 | | | 3 |
| 4.42 | 4.44 | 4.46 | 4226189 | 9240.91841 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1114649 | 2235.569889 | | | 5 |
| 4.65 | 4.67 | 4.69 | 4694530 | 5662.306385 | | | 6 |
| Height Summation: | | | 16749769 | | | | |
| Amount Avg CF: | | | 4484.11129 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 16.98 | |
| 4.42 | 4.44 | 4.46 | 4226189 | 4037.122583 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2755878 | 3507.689707 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4694530 | 4729.217168 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1928957 | 2833.278533 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5683700 | 3556.486059 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3779750 | 3616.893847 | | | 6 |
| Height Summation: | | | 23069004 | | | | |
| Amount Avg CF: | | | 3713.447983 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.28 | |
| 4.68 | 4.70 | 4.72 | 1626419 | 1509.235676 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1928957 | 1826.078035 | | | 2 |
| 5.06 | 5.08 | 5.10 | 5683700 | 2694.112333 | | | 3 |
| 5.28 | 5.30 | 5.32 | 962996.4 | 1121.08185 | | | 4 |
| 5.33 | 5.34 | 5.36 | 3779750 | 2715.398849 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1430936 | 1749.686721 | | | 6 |
| Height Summation: | | | 15412758.4 | | | | |
| Amount Avg CF: | | | 1935.932244 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.17 | |
| 5.28 | 5.30 | 5.32 | 962996.4 | 392.34591 | | | 1 |
| 5.33 | 5.34 | 5.36 | 3779750 | 1634.167819 | | | 2 |
| 5.48 | 5.50 | 5.52 | 138069.8 | 63.266505 | | | 3 |
| 5.55 | 5.57 | 5.59 | 25234.61 | 44.54256 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1430936 | 1565.464048 | | | 5 |
| 5.90 | 5.92 | 5.94 | 298621.2 | 41.66644 | | | 6 |
| Height Summation: | | | 6635608.01 | | | | |
| Amount Avg CF: | | | 623.575547 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229488** ACF DF20 99A17 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0061.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:28:25
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0061.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 1004.9262 | 195.0739 | | ** 43.18 | 4 | 40 | |
| Aroclor-1221 | | | 1004.9262 | 301.4779 | | ** 68.13 | 3 | 40 | |
| Aroclor-1232 | | | 1004.9262 | 242.3645 | | 25.32 | 4 | 40 | |
| Aroclor-1242 | | | 1004.9262 | 242.3645 | | ** 42.46 | 4 | 40 | |
| Aroclor-1248 | | | 1004.9262 | 195.0739 | | 29.54 | 4 | 40 | |
| Aroclor-1254 | | | 1004.9262 | 260.0985 | | 32.41 | 4 | 40 | |
| Aroclor-1260 | | | 1004.9262 | 230.5419 | | 3.35 | 4 | 40 | |
| Aroclor-1262 | | | 1004.9262 | 195.0739 | | 10.94 | 4 | 40 | |
| Aroclor-1268 | | | 1004.9262 | 195.0739 | | 21.78 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:28:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0061.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.525 | | 14797 | 33047 |
| 1.583 | | 76774 | 73543 |
| 1.615 | | 40368 | 35448 |
| 1.638 | | 57117 | 88110 |
| 1.662 | | 52687 | 56385 |
| 1.688 | | 52682 | 48451 |
| 1.736 | | 58982 | 91313 |
| 1.775 | | 23459 | 18256 |
| 1.788 | | 18139 | 9246 |
| 1.816 | | 16977 | 8211 |
| 1.837 | | 46687 | 34447 |
| 1.862 | | 26247 | 24524 |
| 1.889 | | 34976 | 52219 |
| 1.927 | | 39980 | 30998 |
| 1.947 | | 45693 | 37906 |
| 1.972 | | 16259 | 8706 |
| 2.011 | | 52068 | 74713 |
| 2.032 | | 37555 | 31513 |
| 2.058 | | 49367 | 62755 |
| 2.082 | | 36228 | 45931 |
| 2.1 | | 34055 | 24859 |
| 2.118 | | 66143 | 73015 |
| 2.139 | | 51006 | 46419 |
| 2.156 | | 65042 | 100672 |
| 2.209 | | 65942 | 54744 |
| 2.232 | | 54455 | 46099 |
| 2.243 | | 46044 | 32800 |
| 2.286 | | 44377 | 65522 |
| 2.321 | | 57817 | 45008 |
| 2.335 | | 28966 | 15130 |
| 2.354 | | 13254 | 8753 |
| 2.397 | | 64716 | 94258 |
| 2.437 | | 41651 | 49000 |
| 2.457 | | 55012 | 76822 |
| 2.489 | | 54594 | 65846 |
| 2.522 | | 40247 | 48625 |
| 2.547 | | 41195 | 30576 |
| 2.577 | | 49659 | 78592 |
| 2.616 | | 13529 | 10924 |
| 2.634 | | 36750 | 36545 |
| 2.658 | | 17993 | 8036 |
| 2.679 | | 8675 | 7647 |
| 2.7 | | 5641 | 3307 |
| 2.713 | | 22086 | 20770 |
| 2.743 | | 38144 | 29755 |
| 2.763 | | 22832 | 25358 |
| 2.795 | | 12682 | 5397 |
| 2.813 | | 30738 | 24761 |
| 2.839 | | 10979 | 11722 |
| 2.898 | | 128971 | 105584 |
| 2.936 | TCX | 318378 | 223517 |
| 2.986 | | 17579 | 14709 |
| 3.013 | | 32800 | 34815 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.058 | | 8625 | 12161 |
| 3.072 | | 5414 | 2288 |
| 3.102 | | 23092 | 19645 |
| 3.122 | | 17376 | 13483 |
| 3.146 | | 19896 | 9923 |
| 3.165 | | 11577 | 5456 |
| 3.183 | | 12203 | 9177 |
| 3.219 | | 31725 | 16531 |
| 3.234 | | 42017 | 27715 |
| 3.254 | | 204302 | 127620 |
| 3.283 | | 65946 | 43998 |
| 3.303 | | 10750 | 4835 |
| 3.335 | | 7092 | 4116 |
| 3.357 | | 17666 | 15911 |
| 3.38 | | 16889 | 11173 |
| 3.405 | | 17279 | 10891 |
| 3.45 | | 2613 | 2866 |
| 3.475 | | 12953 | 8407 |
| 3.495 | | 30752 | 26428 |
| 3.547 | | 23484 | 19230 |
| 3.561 | | 12642 | 4787 |
| 3.578 | | 45735 | 36878 |
| 3.602 | | 3499 | 1107 |
| 3.625 | | 25959 | 35761 |
| 3.681 | | 25956 | 15505 |
| 3.692 | | 10415 | 3296 |
| 3.73 | | 39572 | 28821 |
| 3.774 | | 3736 | 7048 |
| 3.789 | | 19924 | 10252 |
| 3.831 | | 23599 | 17133 |
| 3.856 | | 390765 | 274450 |
| 3.883 | | 141236 | 108070 |
| 3.905 | | 32018 | 16303 |
| 3.928 | | 9250 | 5652 |
| 3.955 | | 16055 | 14984 |
| 3.979 | | 245729 | 180682 |
| 4.003 | | 32409 | 17832 |
| 4.035 | | 39727 | 22515 |
| 4.068 | | 142408 | 131795 |
| 4.107 | | 27832 | 21486 |
| 4.138 | | 24351 | 28830 |
| 4.17 | | 22667 | 15735 |
| 4.193 | | 54524 | 48549 |
| 4.228 | | 915005 | 626427 |
| 4.245 | | 237808 | 129762 |
| 4.271 | | 287310 | 240336 |
| 4.339 | | 315045 | 270791 |
| 4.381 | | 1571258 | 1545676 |
| 4.415 | | 502794 | 407530 |
| 4.456 | | 20497 | 13358 |
| 4.478 | | 81267 | 62558 |
| 4.519 | | 474148 | 425856 |
| 4.57 | | 608087 | 455834 |
| 4.586 | | 98589 | 44002 |
| 4.631 | | 1876972 | 1601095 |
| 4.68 | | 881577 | 936741 |
| 4.715 | | 335589 | 240304 |
| 4.755 | | 2105265 | 1985789 |
| 4.802 | | 135288 | 111750 |
| 4.842 | | 1188844 | 1134221 |
| 4.874 | | 31276 | 19959 |
| 4.902 | | 452617 | 436664 |
| 4.954 | | 2512156 | 3125900 |
| 5.006 | | 352857 | 317377 |
| 5.043 | | 1245175 | 1431493 |
| 5.088 | | 80235 | 53279 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.125 | | 274420 | 340807 |
| 5.159 | | 3423388 | 3059727 |
| 5.181 | | 186578 | 98300 |
| 5.201 | | 84981 | 42435 |
| 5.226 | | 1384259 | 1241661 |
| 5.268 | | 970166 | 985028 |
| 5.308 | | 11190 | 8797 |
| 5.363 | | 524053 | 424024 |
| 5.387 | | 1295707 | 1079315 |
| 5.444 | | 805388 | 741492 |
| 5.483 | | 554439 | 565843 |
| 5.524 | | 99159 | 124952 |
| 5.566 | | 757467 | 756930 |
| 5.599 | | 71697 | 46719 |
| 5.624 | | 4806324 | 4381700 |
| 5.778 | | 1350 | 419 |
| 5.828 | | 2886557 | 2757370 |
| 5.859 | | 282427 | 192592 |
| 5.884 | | 552003 | 595901 |
| 5.971 | | 5041 | 4196 |
| 5.995 | | 81436 | 63151 |
| 6.019 | | 34601 | 26389 |
| 6.045 | | 2310 | 877 |
| 6.071 | | 92929 | 72214 |
| 6.098 | | 527277 | 483695 |
| 6.163 | | 20591 | 21572 |
| 6.225 | | 9022 | 5642 |
| 6.253 | | 1070686 | 1010307 |
| 6.297 | | 65830 | 59394 |
| 6.331 | | 2127 | 1364 |
| 6.453 | | 189551 | 183337 |
| 6.508 | | 2895 | 1531 |
| 6.524 | | 2324 | 872 |
| 6.566 | | 4915 | 4338 |
| 6.6 | DCB | 282437 | 275688 |
| 6.632 | | 4393 | 3001 |
| 6.73 | | 2163 | 701 |
| 6.76 | | 2808 | 2315 |
| 6.805 | | 2829 | 2721 |
| 6.859 | | 2011 | 1822 |
| 6.889 | | 2584 | 1532 |
| 6.958 | | 628 | 671 |
| 7.107 | | 2397 | 2234 |
| 7.154 | | 2039 | 1903 |
| 7.211 | | 1437 | 1334 |
| 7.268 | | 1401 | 480 |
| 7.316 | | 1943 | 1717 |
| 7.392 | | 2703 | 2299 |
| 7.417 | | 1837 | 588 |
| 7.452 | | 1075 | 636 |
| 7.592 | | 1231 | 263 |
| 7.788 | | 1382 | 1236 |
| 7.874 | | 1597 | 893 |
| 7.945 | | 9443 | 14544 |
| 8.01 | | 1878 | 1404 |
| 8.089 | | 1215 | 339 |
| 8.186 | | 1417 | 1923 |
| 8.206 | | 1617 | 416 |
| 8.248 | | 1003 | 408 |
| 8.369 | | 1131 | 1291 |
| 8.661 | | 1771 | 457 |

LANCASTER LABORATORIES

Sample Number: 9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:28:25 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0061.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

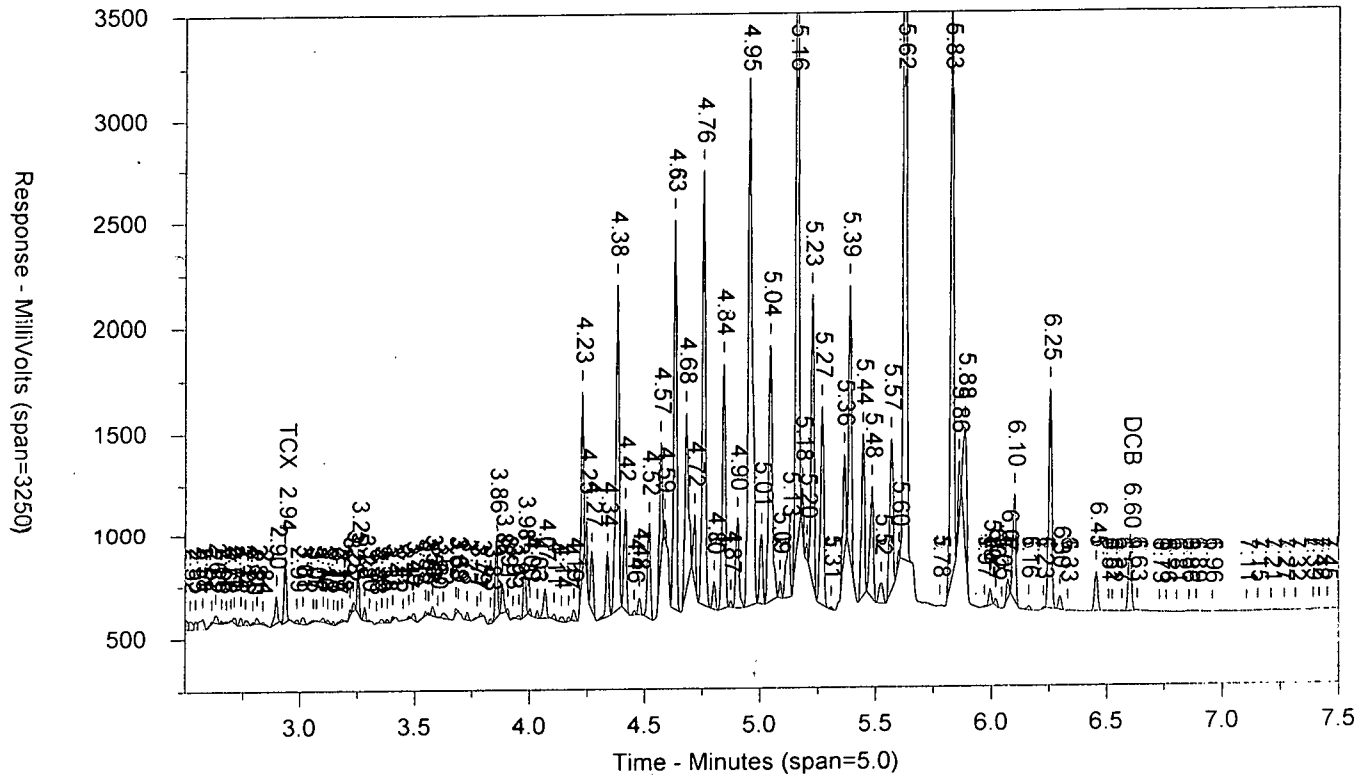
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.507 | | 7285 | 4064 |
| 1.53 | | 7531 | 4099 |
| 1.555 | | 13274 | 13012 |
| 1.584 | | 10269 | 10745 |
| 1.62 | | 19591 | 29593 |
| 1.65 | | 10705 | 11122 |
| 1.688 | | 16753 | 22151 |
| 1.71 | | 15973 | 15985 |
| 1.744 | | 14992 | 13252 |
| 1.77 | | 23821 | 22257 |
| 1.815 | | 21104 | 57779 |
| 1.853 | | 22919 | 24699 |
| 1.878 | | 20469 | 13177 |
| 1.901 | | 28598 | 23982 |
| 1.932 | | 66011 | 56085 |
| 1.958 | | 20457 | 18311 |
| 1.982 | | 18431 | 21534 |
| 1.998 | | 14638 | 9656 |
| 2.026 | | 16867 | 16290 |
| 2.044 | | 14249 | 13579 |
| 2.078 | | 15143 | 16760 |
| 2.143 | | 18134 | 18017 |
| 2.167 | | 5616 | 3224 |
| 2.207 | | 9220 | 4888 |
| 2.225 | | 7415 | 6729 |
| 2.267 | | 5764 | 5181 |
| 2.285 | | 8140 | 4062 |
| 2.298 | | 7794 | 3924 |
| 2.341 | | 41307 | 29249 |
| 2.391 | | 3233 | 1493 |
| 2.42 | | 7095 | 6336 |
| 2.44 | | 4536 | 2361 |
| 2.467 | | 11314 | 11918 |
| 2.515 | | 13759 | 13760 |
| 2.591 | TCX | 447506 | 307794 |
| 2.624 | | 17883 | 8203 |
| 2.651 | | 4404 | 2344 |
| 2.683 | | 9383 | 10153 |
| 2.789 | | 5200 | 2551 |
| 2.809 | | 14146 | 13569 |
| 2.848 | | 3947 | 1630 |
| 2.889 | | 222661 | 160726 |
| 2.921 | | 28753 | 17706 |
| 2.948 | | 52186 | 31840 |
| 2.985 | | 26651 | 33405 |
| 3.052 | | 3964 | 3646 |
| 3.084 | | 38157 | 42287 |
| 3.128 | | 8440 | 7634 |
| 3.162 | | 12885 | 7715 |
| 3.18 | | 4544 | 1925 |
| 3.206 | | 36964 | 22894 |
| 3.226 | | 8829 | 4073 |
| 3.246 | | 20875 | 19371 |
| 3.287 | | 11199 | 9523 |

| | | |
|---|---|---|
| 3.315 | 13064 | 12612 |
| 3.354 | 19826 | 10545 |
| 3.363 | 47892 | 20813 |
| 3.383 | 14504 | 6226 |
| 3.397 | 30486 | 21008 |
| 3.435 | 2762 | 1461 |
| 3.471 | 49148 | 34502 |
| 3.505 | 517157 | 320860 |
| 3.528 | 231448 | 129309 |
| 3.546 | 66431 | 30895 |
| 3.583 | 11287 | 7655 |
| 3.601 | 5180 | 2260 |
| 3.63 | 350953 | 223614 |
| 3.653 | 59666 | 31286 |
| 3.674 | 70036 | 46905 |
| 3.703 | 18730 | 8968 |
| 3.719 | 166853 | 103164 |
| 3.76 | 41260 | 25224 |
| 3.801 | 38077 | 33039 |
| 3.83 | 147055 | 82345 |
| 3.851 | 1638999 | 1089266 |
| 3.876 | 219002 | 124584 |
| 3.896 | 162006 | 89210 |
| 3.915 | 360850 | 234374 |
| 3.95 | 1851072 | 1306175 |
| 3.982 | 563915 | 350140 |
| 3.998 | 244494 | 121140 |
| 4.059 | 113110 | 90775 |
| 4.094 | 550990 | 440324 |
| 4.15 | 1126255 | 830654 |
| 4.191 | 284995 | 296634 |
| 4.21 | 2077214 | 2079575 |
| 4.248 | 502667 | 523531 |
| 4.301 | 3216245 | 2544232 |
| 4.338 | 187572 | 156548 |
| 4.37 | 1420942 | 1000945 |
| 4.395 | 752818 | 544042 |
| 4.438 | 4226189 | 3379854 |
| 4.491 | 11647 | 7850 |
| 4.538 | 2755878 | 2869363 |
| 4.588 | 1114649 | 955792 |
| 4.629 | 904121 | 810896 |
| 4.666 | 4694530 | 4114091 |
| 4.699 | 1626419 | 1105272 |
| 4.736 | 1311313 | 1054437 |
| 4.778 | 6237 | 2969 |
| 4.795 | 4171 | 2283 |
| 4.808 | 9802 | 5688 |
| 4.835 | 319016 | 206908 |
| 4.852 | 130514 | 71077 |
| 4.885 | 1928957 | 1518609 |
| 4.909 | 609812 | 413055 |
| 4.959 | 1309193 | 1148336 |
| 4.995 | 645318 | 551092 |
| 5.025 | 493135 | 387505 |
| 5.057 | 465981 | 294387 |
| 5.08 | 5683700 | 4629606 |
| 5.122 | 122608 | 89651 |
| 5.152 | 168235 | 140232 |
| 5.272 | 52039 | 33837 |
| 5.296 | 962996 | 813305 |
| 5.339 | 3779751 | 4006342 |
| 5.408 | 8955 | 6762 |
| 5.496 | 138070 | 114897 |
| 5.543 | 150634 | 118819 |
| 5.565 | 25235 | 13720 |
| 5.588 | 90922 | 62295 |

| | | | |
|---|---|---|---|
| 5.613 | | 621477 | 509526 |
| 5.657 | | 9505 | 9972 |
| 5.695 | | 20218 | 12330 |
| 5.722 | | 1430936 | 1197068 |
| 5.754 | | 86569 | 64262 |
| 5.802 | | 5325 | 3997 |
| 5.922 | | 298621 | 260018 |
| 6.082 | DCB | 487018 | 427664 |
| 6.12 | | 13962 | 12344 |
| 6.202 | | 4015 | 5402 |
| 6.256 | | 7313 | 4902 |
| 6.282 | | 18263 | 14213 |
| 6.414 | | 1735 | 894 |
| 6.447 | | 3865 | 4206 |
| 6.502 | | 3052 | 6152 |
| 6.563 | | 2259 | 2483 |
| 6.614 | | 3358 | 3962 |
| 6.694 | | 1504 | 1653 |
| 6.73 | | 1580 | 1005 |
| 6.758 | | 1748 | 1198 |
| 6.844 | | 1421 | 1422 |
| 6.944 | | 1163 | 5507 |
| 6.982 | | 2493 | 2459 |
| 7.137 | | 1225 | 6448 |
| 7.279 | | 1583 | 1576 |
| 7.363 | | 1308 | 2548 |
| 7.511 | | 17414 | 24151 |
| 7.711 | | 3028 | 3667 |
| 8.161 | | 10462 | 20587 |

9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0061.RAW

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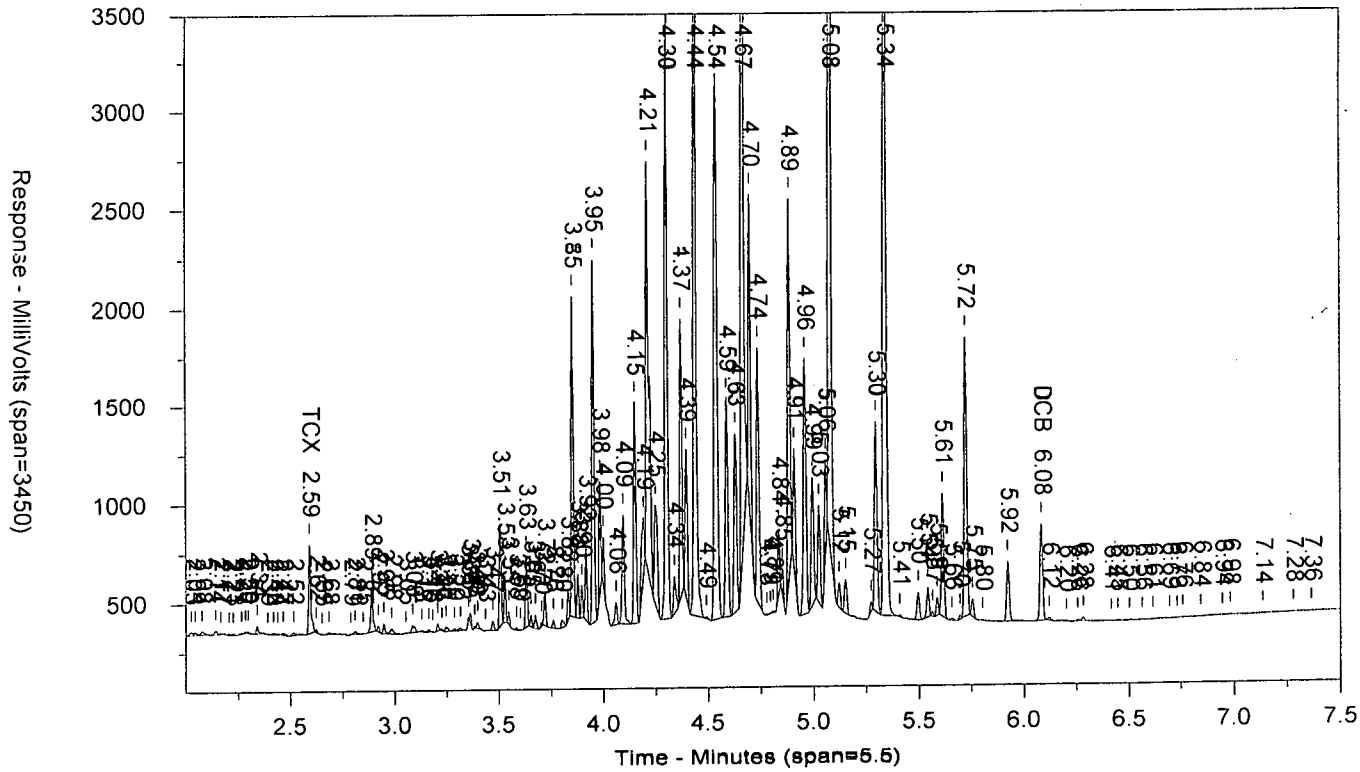

LANCASTER LABORATORIES

Sample Number: 9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:28:25 AM
Sample Weight: 10.15
Instrument ID: CP7-19843A
Dilution Factor: 200
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 318378 | 22.886 | TCX | 2.591 | 447506 | 21.272 | TCX |
| 6.6 | 282437 | 27.58 | DCB | 6.082 | 487018 | 25.35 | DCB |

Files:
Area File: 07PCBS17284001.0061.RAW
Area File: 07PCBS17284001B.0061.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:34:14 AM

9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082

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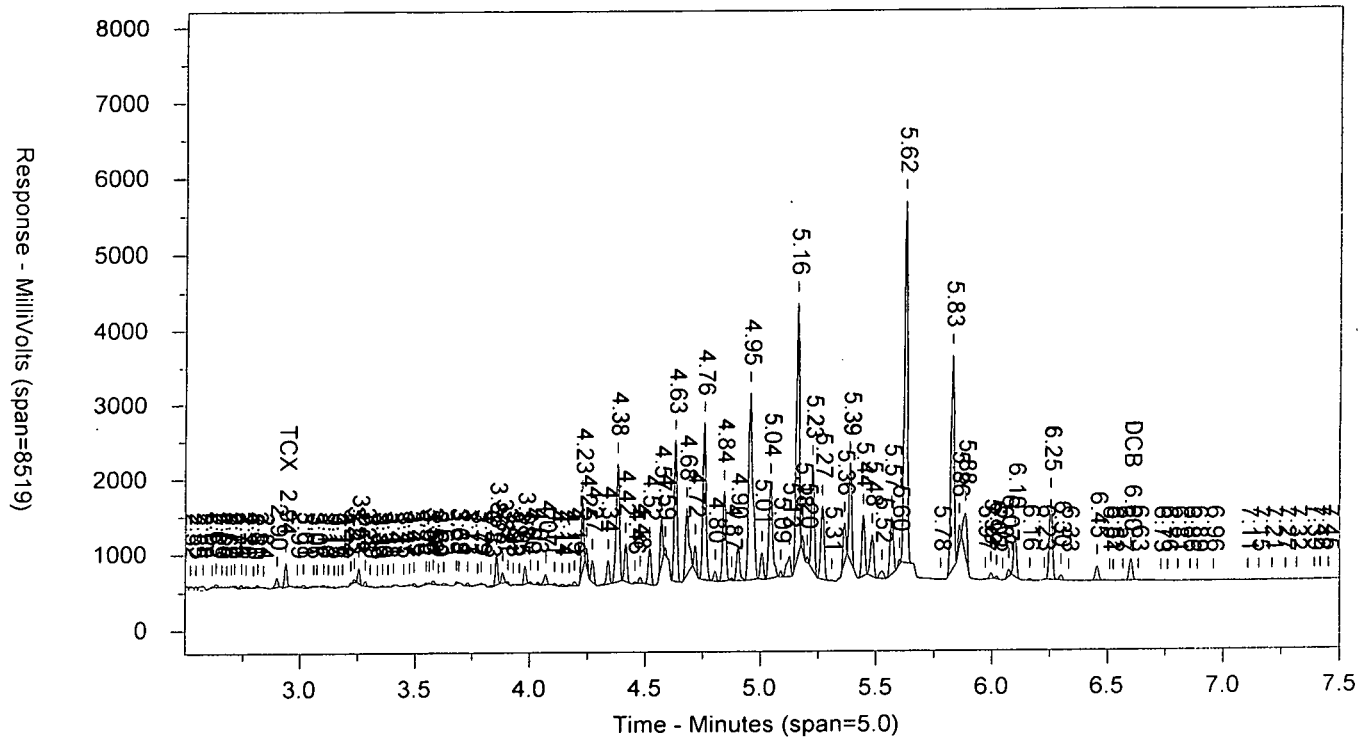


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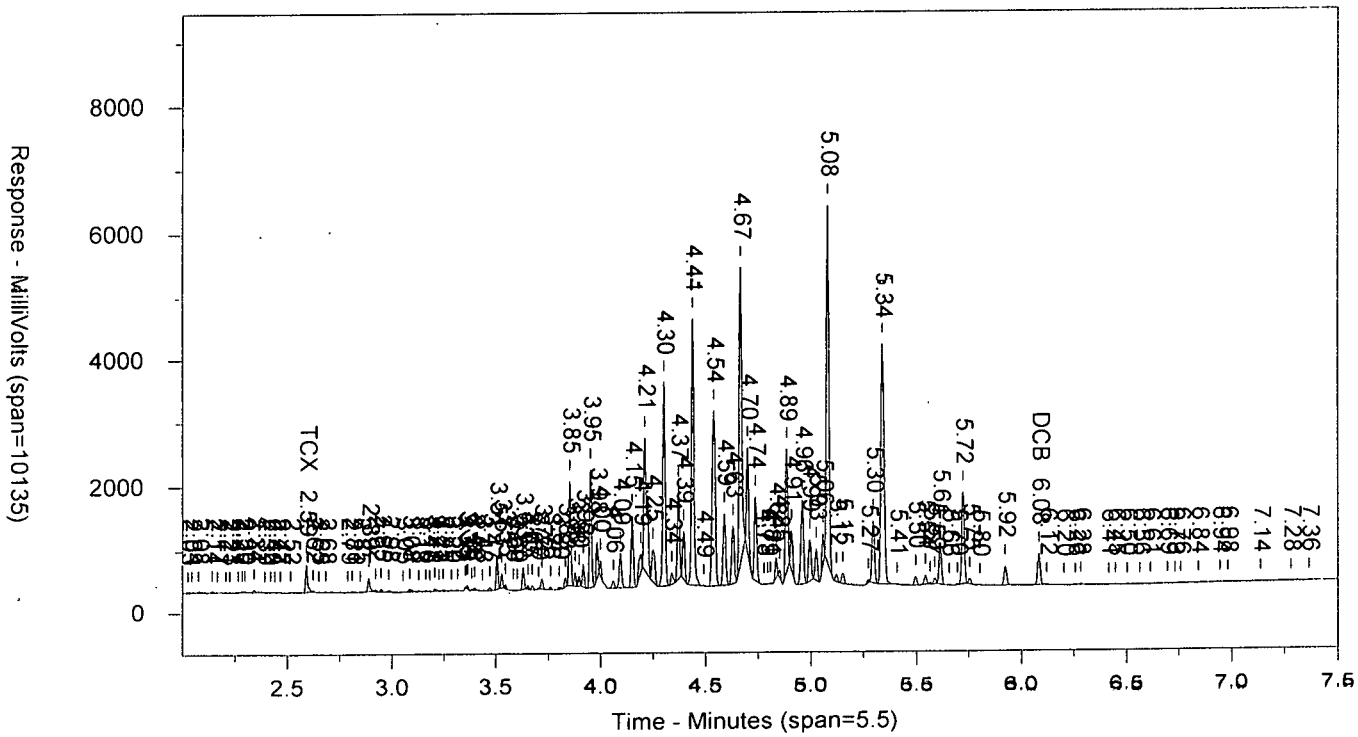

9229488 ACF DF20 AC99A17 T 172820028A 10225 SW-846 8082

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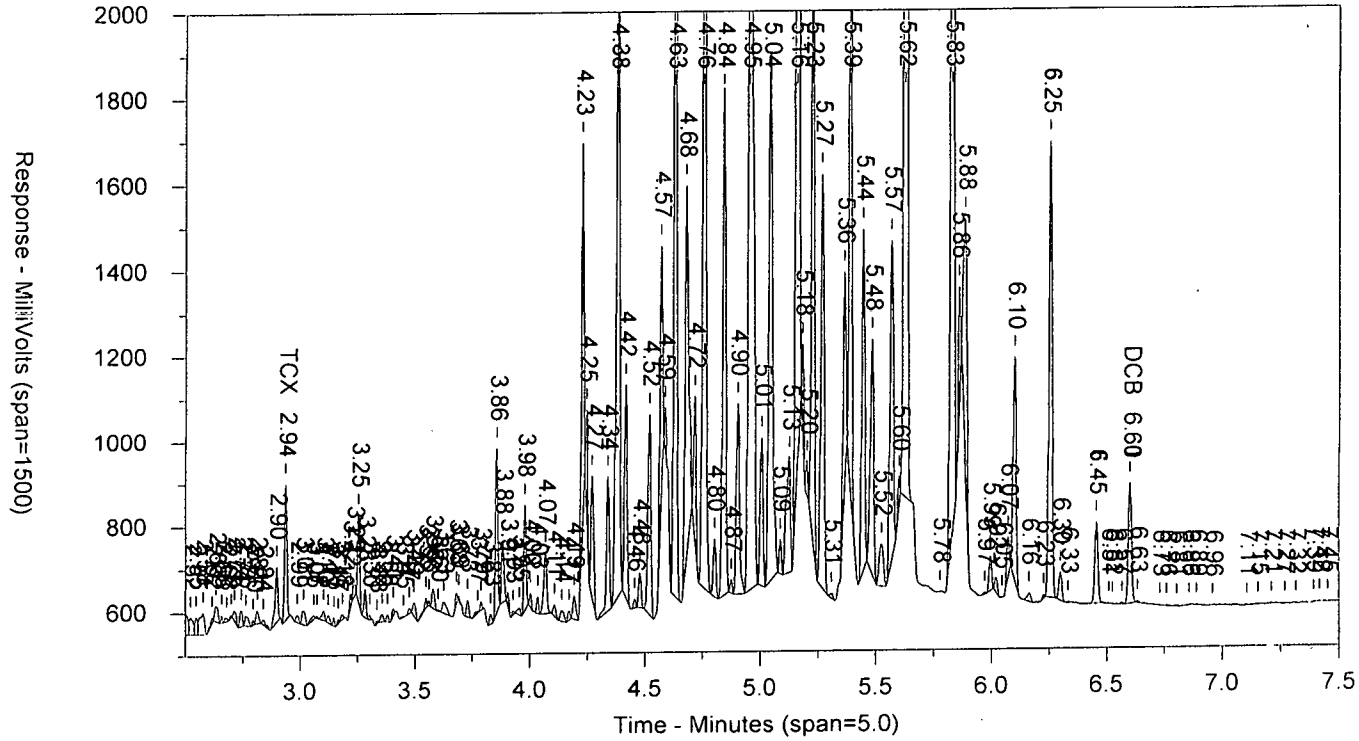


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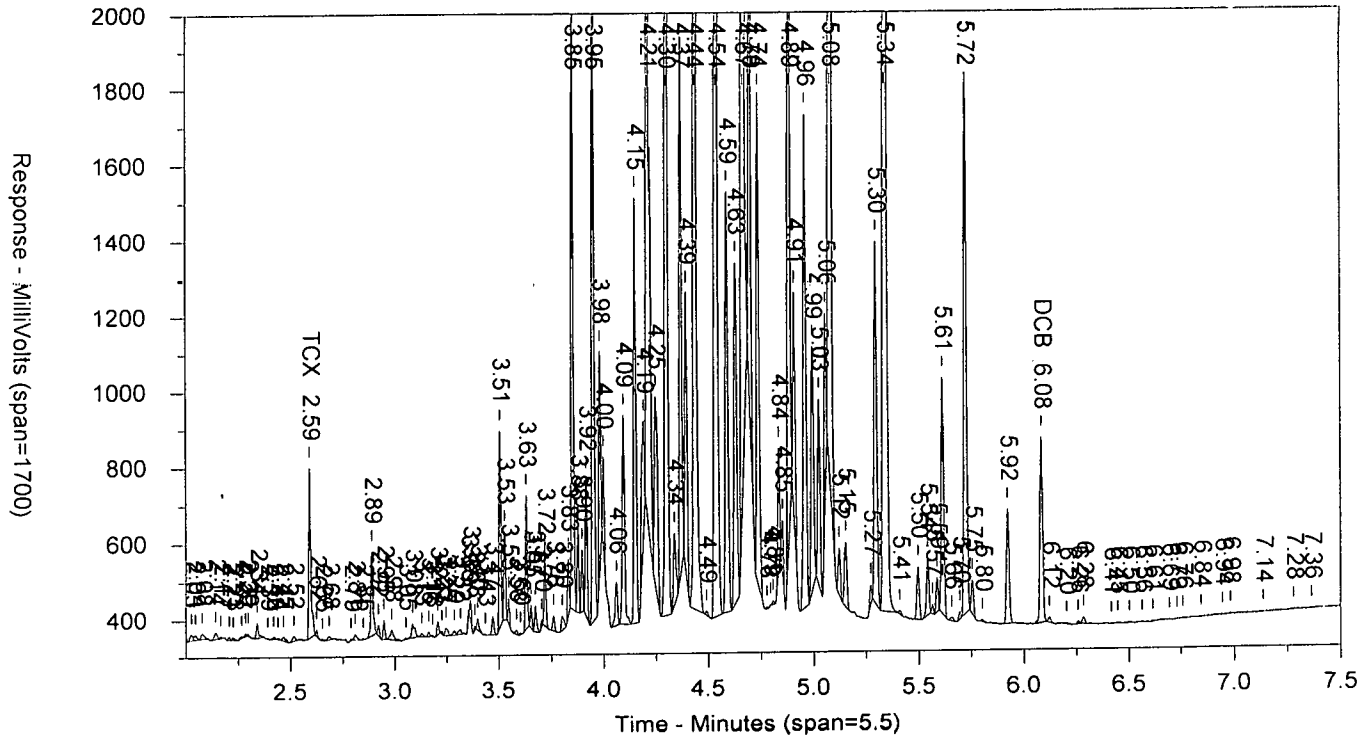

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229489** ACF DF100 99A18 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:39:52 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0062.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 89% ( 61 - 152 ) Conc: 26.53477
%SSR(DCB) 136% ( 48 - 164 ) Conc: 36.13272

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:39:52 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0062.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 91% ( 61 - 152 ) Conc: 27.25728
%SSR(DCB) 158% ( 48 - 164 ) Conc: 41.8689

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 74337 | 26.53477 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 115475 | 27.25728 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 74514 | 36.13272 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 161984 | 41.8689 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ | Tetrachloro-m-xylene | B | 27.25728 | | | | 2.69 | |
| ☑ | Tetrachloro-m-xylene-D1 | A | 26.53477 | | | | | |
| ☑ | Tetrachloro-m-xylene-D2 | B | 27.25728 | | | | | |
| ☐ | Decachlorobiphenyl | B | 41.8689 | | | | 14.71 | |
| ☑ | Decachlorobiphenyl-D1 | A | 36.13272 | | | | | |
| ☑ | Decachlorobiphenyl-D2 | B | 41.8689 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **12.68** | |
| 4.74 | 4.76 | 4.78 | 3096009 | 26131.364376 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3800737 | 31727.559533 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4735238 | 32511.323319 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1953412 | 24239.562916 | | | 4 |
| 5.61 | 5.63 | 5.65 | 6953981 | 27700.90126 | | | 5 |
| 5.81 | 5.83 | 5.85 | 4218965 | 24754.448187 | | | 6 |

Height summation: **24758342**
Concentration CF: **27844.193265** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **12.60** | |
| 4.42 | 4.44 | 4.46 | 6285046 | 29813.751866 | | | 1 |
| 4.52 | 4.54 | 4.56 | 4055299 | 25631.216074 | | | 2 |
| 4.65 | 4.67 | 4.69 | 6526464 | 32648.274732 | | | 3 |
| 4.87 | 4.89 | 4.91 | 3269614 | 23847.802133 | | | 4 |
| 5.06 | 5.08 | 5.10 | 8876511 | 27581.470089 | | | 5 |
| 5.32 | 5.34 | 5.36 | 5098664 | 24227.814004 | | | 6 |

Height summation: **34111598**
Concentration CF: **27291.721483** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <4990.2154 | <968.6889 | D1 | | 4 | |
| ☑ | PCB-1221 | | | <4990.2154 | <1497.0646 | D1 | | 3 | |
| ☑ | PCB-1232 | | | <4990.2154 | <1203.5225 | D1 | | 4 | |
| ☑ | PCB-1242 | | | <4990.2154 | <1203.5225 | D1 | | 4 | |
| ☑ | PCB-1248 | | | <4990.2154 | <968.6889 | D1 | | 4 | |
| ☑ | PCB-1254 | | | <4990.2154 | <1291.5852 | D1 | | 4 | |
| ☑ | PCB-1260 | A | 27844.193265 | 4990.2154 | 1144.8141 | D1 | 2.00 | 4 | |

Units: ug/kg

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

Valeria L. Tomaylla
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:19

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229489** ACF DF100 99A18 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0062.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 89% (61-152) Conc.: 26.53477
%SSR(DCB) : 136% (48-164) Conc.: 36.13272 GM

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 100.70 | |
| 3.17 | 3.19 | 3.21 | 11658.54 | 237.21867 | | | 1 |
| + 3.38 | 3.38 | 3.42 | 7922.907 | 153.778794 | | | 2 |
| + 3.38 | 3.40 | 3.42 | 19230.73 | 373.256744 | | | 2 |
| 3.38 | 3.42 | 3.42 | 31575.77 | 612.866443 | | | 2 |
| 3.50 | 3.52 | 3.54 | 90815.26 | 1467.498904 | | | 3 |
| 3.71 | 3.74 | 3.75 | 356361 | 4738.93685 | | | 4 |
| 3.77 | 3.79 | 3.81 | 43234.13 | 653.108282 | | | 5 |
| 3.96 | 3.98 | 4.00 | 231236.9 | 4580.24561 | | | 6 |
| Height Summation: | | | **764881.6** | | | | |
| Amount Avg CF: | | | **2048.31246** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 58.08 | |
| 3.07 | 3.10 | 3.11 | 13150.35 | 519.221339 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 12727.5 | 573.229693 | | | 2 |
| 3.12 | 3.15 | 3.16 | 15474.53 | 696.952275 | | | 2 |
| 3.17 | 3.19 | 3.21 | 11658.54 | 169.624491 | | | 3 |
| Height Summation: | | | **40283.42** | | | | |
| Amount Avg CF: | | | **461.932702** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 106.36 | |
| 3.17 | 3.19 | 3.21 | 11658.54 | 204.116951 | | | 1 |
| + 3.38 | 3.38 | 3.42 | 7922.907 | 341.486447 | | | 2 |
| + 3.38 | 3.40 | 3.42 | 19230.73 | 828.866685 | | | 2 |
| 3.38 | 3.42 | 3.42 | 31575.77 | 1360.952175 | | | 2 |
| 3.50 | 3.52 | 3.54 | 90815.26 | 3223.110924 | | | 3 |
| 3.71 | 3.74 | 3.75 | 356361 | 10445.879897 | | | 4 |
| 3.77 | 3.79 | 3.81 | 43234.13 | 1550.007283 | | | 5 |
| 3.96 | 3.98 | 4.00 | 231236.9 | 12087.017033 | | | 6 |
| Height Summation: | | | **764881.6** | | | | |
| Amount Avg CF: | | | **4811.847377** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 100.32 | |
| 3.17 | 3.19 | 3.21 | 11658.54 | 170.432977 | | | 1 |
| + 3.38 | 3.38 | 3.42 | 7922.907 | 114.501537 | | | 2 |
| + 3.38 | 3.40 | 3.42 | 19230.73 | 277.921745 | | | 2 |
| 3.38 | 3.42 | 3.42 | 31575.77 | 456.331773 | | | 2 |
| 3.50 | 3.52 | 3.54 | 90815.26 | 1101.806116 | | | 3 |
| 3.71 | 3.74 | 3.75 | 356361 | 3452.499262 | | | 4 |
| 3.77 | 3.79 | 3.81 | 43234.13 | 488.221933 | | | 5 |
| 3.96 | 3.98 | 4.00 | 231236.9 | 3428.985344 | | | 6 |
| Height Summation: | | | **764881.6** | | | | |
| Amount Avg CF: | | | **1516.379567** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0062.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.25728
%SSR(DCB) : 158% (48-164) Conc.: 41.8689

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 145.52 | |
| 2.86 | 2.89 | 2.90 | 57073.36 | 797.746072 | | | 1 |
| 3.19 | 3.20 | 3.23 | 155696.2 | 1734.783688 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 413406.9 | 4475.87895 | | | 3 |
| 3.38 | 3.41 | 3.42 | 494429.3 | 5353.093274 | | | 3 |
| 3.45 | 3.47 | 3.49 | 64861.7 | 662.068028 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 995257.6 | 13477.979609 | | | 5 |
| 3.51 | 3.55 | 3.55 | 1696864 | 22979.275307 | | | 5 |
| 3.61 | 3.63 | 3.65 | 318670.2 | 3807.380131 | | | 6 |
| Height Summation: | | | **2787594.76** | | | | |
| Amount Avg CF: | | | **5889.05775** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 59.15 | |
| 2.74 | 2.76 | 2.78 | 6055.972 | 141.325717 | | | 1 |
| 2.80 | 2.81 | 2.84 | 9357.346 | 350.937781 | | | 2 |
| 2.86 | 2.89 | 2.90 | 57073.36 | 553.824244 | | | 3 |
| Height Summation: | | | **72486.678** | | | | |
| Amount Avg CF: | | | **348.695914** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 155.33 | |
| 2.86 | 2.89 | 2.90 | 57073.36 | 689.667047 | | | 1 |
| 3.19 | 3.20 | 3.23 | 155696.2 | 3789.446264 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 413406.9 | 9984.121554 | | | 3 |
| 3.38 | 3.41 | 3.42 | 494429.3 | 11940.880113 | | | 3 |
| 3.45 | 3.47 | 3.49 | 64861.7 | 1549.541358 | | | 4 |
| E+ 3.51 | 3.53 | 3.55 | 995257.6 | 35140.498995 | | | 5 |
| E 3.51 | 3.55 | 3.55 | 1696864 | 59912.778045 | | | 5 |
| 3.61 | 3.63 | 3.65 | 318670.2 | 9619.292451 | | | 6 |
| Height Summation: | | | **2787594.76** | | | | |
| Amount Avg CF: | | | **14583.60088** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 148.04 | |
| 2.86 | 2.89 | 2.90 | 57073.36 | 562.064635 | | | 1 |
| 3.19 | 3.20 | 3.23 | 155696.2 | 1254.699573 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 413406.9 | 3334.276282 | | | 3 |
| 3.38 | 3.41 | 3.42 | 494429.3 | 3987.751264 | | | 3 |
| 3.45 | 3.47 | 3.49 | 64861.7 | 477.766928 | | | 4 |
| + 3.51 | 3.53 | 3.55 | 995257.6 | 10361.570803 | | | 5 |
| 3.51 | 3.55 | 3.55 | 1696864 | 17665.955507 | | | 5 |
| 3.61 | 3.63 | 3.65 | 318670.2 | 2846.941118 | | | 6 |
| Height Summation: | | | **2787594.76** | | | | |
| Amount Avg CF: | | | **4465.863171** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229489** ACF DF100 99A18 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0062.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 76.32 | |
| 3.71 | 3.74 | 3.75 | 356361 | 10631.929508 | | | 1 |
| 3.77 | 3.79 | 3.81 | 43234.13 | 1178.887198 | | | 2 |
| 3.84 | 3.86 | 3.88 | 435596.9 | 6938.046828 | | | 3 |
| 3.96 | 3.98 | 4.00 | 231236.9 | 3283.154165 | | | 4 |
| 4.05 | 4.07 | 4.09 | 321212.4 | 5038.210663 | | | 5 |
| 4.23 | 4.23 | 4.27 | 1162938 | 16412.277497 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 220213 | 3107.815605 | | | 6 |
| Height Summation: | | | 2550579.33 | | | | |
| Amount Avg CF: | | | 7247.08431 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 70.84 | |
| 4.21 | 4.23 | 4.25 | 1162938 | 14650.050204 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 220213 | 2774.121669 | | | 1 |
| 4.32 | 4.34 | 4.36 | 628865.4 | 23733.877734 | | | 2 |
| + 4.55 | 4.57 | 4.59 | 394545.3 | 4494.760244 | | | 3 |
| 4.55 | 4.59 | 4.59 | 418316.3 | 4765.565513 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2110362 | 12059.845387 | | | 4 |
| 5.02 | 5.05 | 5.06 | 1526014 | 24963.151261 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4735238 | 48271.988102 | | | 6 |
| Height Summation: | | | 10581733.7 | | | | |
| Amount Avg CF: | | | 21407.413033 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 12.68 | |
| 4.74 | 4.76 | 4.78 | 3096009 | 26131.364376 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3800737 | 31727.559533 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4735238 | 32511.323319 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1953412 | 24239.562916 | | | 4 |
| 5.61 | 5.63 | 5.65 | 6953981 | 27700.90126 | | | 5 |
| 5.81 | 5.83 | 5.85 | 4218965 | 24754.448187 | | | 6 |
| Height Summation: | | | 24758342 | | | | |
| Amount Avg CF: | | | 27844.193265 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.33 | |
| 5.21 | 5.23 | 5.25 | 2303792 | 15016.500694 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1953412 | 17836.506915 | | | 2 |
| E 5.61 | 5.63 | 5.65 | 6953981 | 23859.314259 | | | 3 |
| 5.81 | 5.83 | 5.85 | 4218965 | 18649.432971 | | | 4 |
| 5.87 | 5.88 | 5.91 | 854660.1 | 7498.884717 | | | 5 |
| 6.24 | 6.26 | 6.28 | 1531702 | 13460.696846 | | | 6 |
| Height Summation: | | | 17816512.1 | | | | |
| Amount Avg CF: | | | 16053.556067 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 95.33 | |
| 5.81 | 5.83 | 5.85 | 4218965 | 9630.990407 | | | 1 |
| 5.87 | 5.88 | 5.91 | 854660.1 | 2213.942399 | | | 2 |
| 6.00 | 6.02 | 6.04 | 51302.98 | 150.20977 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 116377.9 | 1364.716607 | | | 4 |
| 6.06 | 6.10 | 6.10 | 748043.6 | 8772.005029 | | | 4 |
| 6.23 | 6.26 | 6.27 | 1531702 | 12305.517061 | | | 5 |
| 6.43 | 6.45 | 6.47 | 263458.5 | 296.78537 | | | 6 |
| Height Summation: | | | 7668132.18 | | | | |
| Amount Avg CF: | | | 5561.575006 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0062.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 74.64 | |
| + 3.38 | 3.38 | 3.42 | 413406.9 | 10994.773979 | | | 1 |
| 3.38 | 3.41 | 3.42 | 494429.3 | 13149.607329 | | | 1 |
| 3.45 | 3.47 | 3.49 | 64861.7 | 1164.535765 | | | 2 |
| 3.49 | 3.51 | 3.53 | 568858.1 | 5994.482231 | | | 3 |
| 3.61 | 3.63 | 3.65 | 318670.2 | 2826.113666 | | | 4 |
| 3.70 | 3.72 | 3.74 | 410940.2 | 5035.161117 | | | 5 |
| 3.84 | 3.85 | 3.88 | 2032932 | 13183.197231 | | | 6 |
| Height Summation: | | | 3890691.5 | | | | |
| Amount Avg CF: | | | 6892.18289 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 83.58 | |
| + 4.19 | 4.19 | 4.23 | 535126.2 | 2301.055963 | | | 1 |
| 4.19 | 4.21 | 4.23 | 1509461 | 6490.719825 | | | 1 |
| + 4.19 | 4.23 | 4.23 | 1205366 | 5183.103765 | | | 1 |
| 4.28 | 4.30 | 4.32 | 4872406 | 43338.227012 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1351825 | 10422.65437 | | | 3 |
| 4.42 | 4.44 | 4.46 | 6285046 | 68243.270505 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1001468 | 9974.068538 | | | 5 |
| 4.65 | 4.67 | 4.69 | 6526464 | 39089.88061 | | | 6 |
| Height Summation: | | | 21546670 | | | | |
| Amount Avg CF: | | | 29593.13681 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 12.60 | |
| 4.42 | 4.44 | 4.46 | 6285046 | 29813.751866 | | | 1 |
| 4.52 | 4.54 | 4.56 | 4055299 | 25631.216074 | | | 2 |
| 4.65 | 4.67 | 4.69 | 6526464 | 32648.274732 | | | 3 |
| 4.87 | 4.89 | 4.91 | 3269614 | 23847.802133 | | | 4 |
| 5.06 | 5.08 | 5.10 | 8876511 | 27581.470089 | | | 5 |
| 5.32 | 5.34 | 5.36 | 5098664 | 24227.814004 | | | 6 |
| Height Summation: | | | 34111598 | | | | |
| Amount Avg CF: | | | 27291.721483 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 29.42 | |
| 4.68 | 4.70 | 4.72 | 2707532 | 12476.230001 | | | 1 |
| 4.87 | 4.89 | 4.91 | 3269614 | 15370.161155 | | | 2 |
| E 5.06 | 5.08 | 5.10 | 8876511 | 20893.538593 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1518324 | 8777.326747 | | | 4 |
| 5.33 | 5.34 | 5.36 | 5098664 | 18189.137153 | | | 5 |
| 5.71 | 5.72 | 5.74 | 2120270 | 12874.085974 | | | 6 |
| Height Summation: | | | 23590915 | | | | |
| Amount Avg CF: | | | 14763.41327 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 122.62 | |
| 5.28 | 5.30 | 5.32 | 1518324 | 3071.808048 | | | 1 |
| 5.33 | 5.34 | 5.36 | 5098664 | 10946.495984 | | | 2 |
| 5.48 | 5.50 | 5.52 | 109169.2 | 248.405053 | | | 3 |
| 5.55 | 5.57 | 5.59 | 37005.76 | 324.364305 | | | 4 |
| 5.70 | 5.72 | 5.74 | 2120270 | 11518.587015 | | | 5 |
| 5.90 | 5.92 | 5.94 | 455792.7 | 315.80447 | | | 6 |
| Height Summation: | | | 9339225.66 | | | | |
| Amount Avg CF: | | | 4404.244146 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229489** ACF DF100 99A18 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.22 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0062.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:39:52
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0062.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 4990.2149 | 968.6888 | | ** 96.78 | 4 | 40 | |
| Aroclor-1221 | | | 4990.2149 | 1497.0645 | | 27.94 | 3 | 40 | |
| Aroclor-1232 | | | 4990.2149 | 1203.5224 | | ** 100.76 | 4 | 40 | |
| Aroclor-1242 | | | 4990.2149 | 1203.5224 | | ** 98.61 | 4 | 40 | |
| Aroclor-1248 | | | 4990.2149 | 968.6888 | | 5.02 | 4 | 40 | |
| Aroclor-1254 | | | 4990.2149 | 1291.585 | | 32.10 | 4 | 40 | |
| Aroclor-1260 | | | 4990.2149 | 1144.814 | | 2.00 | 4 | 40 | |
| Aroclor-1262 | | | 4990.2149 | 968.6888 | E | 8.37 | 4 | 40 | |
| Aroclor-1268 | | | 4990.2149 | 968.6888 | | 23.23 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:39:52 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0062.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.531 | | 22490 | 63266 |
| 1.582 | | 56617 | 60706 |
| 1.637 | | 28227 | 69285 |
| 1.663 | | 24409 | 29306 |
| 1.687 | | 24671 | 22095 |
| 1.717 | | 6952 | 4894 |
| 1.738 | | 16611 | 21510 |
| 1.756 | | 10523 | 7341 |
| 1.815 | | 11209 | 5610 |
| 1.837 | | 25763 | 20519 |
| 1.862 | | 18234 | 18964 |
| 1.888 | | 18704 | 29866 |
| 1.927 | | 20561 | 16981 |
| 1.947 | | 23209 | 20143 |
| 1.971 | | 18459 | 11931 |
| 1.993 | | 22980 | 17150 |
| 2.011 | | 30977 | 33620 |
| 2.033 | | 17845 | 14417 |
| 2.055 | | 27502 | 29593 |
| 2.083 | | 12205 | 13397 |
| 2.099 | | 8661 | 5272 |
| 2.117 | | 17404 | 16428 |
| 2.139 | | 6102 | 3125 |
| 2.157 | | 5836 | 3107 |
| 2.208 | | 16145 | 8194 |
| 2.231 | | 12767 | 7131 |
| 2.287 | | 35695 | 56104 |
| 2.321 | | 53387 | 51578 |
| 2.352 | | 26177 | 21497 |
| 2.396 | | 57478 | 105152 |
| 2.456 | | 50866 | 134343 |
| 2.491 | | 49863 | 59791 |
| 2.524 | | 42566 | 54408 |
| 2.547 | | 42379 | 35623 |
| 2.578 | | 46390 | 82209 |
| 2.617 | | 11849 | 14314 |
| 2.635 | | 23664 | 28658 |
| 2.675 | | 13239 | 11345 |
| 2.713 | | 26083 | 37671 |
| 2.744 | | 31090 | 26163 |
| 2.764 | | 21201 | 23146 |
| 2.795 | | 13157 | 5668 |
| 2.814 | | 20006 | 18170 |
| 2.838 | | 8911 | 13272 |
| 2.898 | | 24135 | 31211 |
| 2.937 | TCX | 74337 | 52541 |
| 2.985 | | 12426 | 10491 |
| 3.015 | | 20799 | 22774 |
| 3.055 | | 6739 | 8874 |
| 3.101 | | 13150 | 12195 |
| 3.121 | | 12728 | 10561 |
| 3.147 | | 15475 | 8019 |
| 3.166 | | 7428 | 3692 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.188 | | 11659 | 16103 |
| 3.22 | | 4436 | 2930 |
| 3.239 | | 8459 | 5977 |
| 3.256 | | 35209 | 19453 |
| 3.28 | | 19176 | 15769 |
| 3.302 | | 3021 | 1241 |
| 3.315 | | 7918 | 4431 |
| 3.335 | | 6534 | 3070 |
| 3.356 | | 10134 | 9400 |
| 3.383 | | 7923 | 5427 |
| 3.404 | | 19231 | 10415 |
| 3.42 | | 31576 | 18902 |
| 3.452 | | 2751 | 1075 |
| 3.472 | | 3905 | 3205 |
| 3.496 | | 4562 | 2108 |
| 3.519 | | 90815 | 59952 |
| 3.549 | | 6707 | 4805 |
| 3.584 | | 21084 | 21253 |
| 3.626 | | 4141 | 4117 |
| 3.641 | | 6872 | 4875 |
| 3.703 | | 338835 | 380520 |
| 3.739 | | 356361 | 278002 |
| 3.79 | | 43234 | 42707 |
| 3.829 | | 83581 | 63749 |
| 3.858 | | 435597 | 305803 |
| 3.884 | | 760852 | 504648 |
| 3.907 | | 1199714 | 810079 |
| 3.948 | | 2265 | 2463 |
| 3.981 | | 231237 | 162636 |
| 4.005 | | 177392 | 122514 |
| 4.036 | | 315602 | 223770 |
| 4.072 | | 321212 | 273600 |
| 4.116 | | 177698 | 140412 |
| 4.143 | | 118163 | 88495 |
| 4.172 | | 9583 | 5952 |
| 4.194 | | 129462 | 105975 |
| 4.23 | | 1162938 | 834084 |
| 4.247 | | 220213 | 106955 |
| 4.274 | | 1038947 | 909731 |
| 4.341 | | 628865 | 513619 |
| 4.383 | | 2007730 | 2115955 |
| 4.417 | | 1014040 | 866820 |
| 4.458 | | 201792 | 147463 |
| 4.479 | | 92002 | 62834 |
| 4.521 | | 417942 | 385225 |
| 4.572 | | 394545 | 261117 |
| 4.588 | | 418316 | 327271 |
| 4.633 | | 2110362 | 1812201 |
| 4.682 | | 1680330 | 1781752 |
| 4.717 | | 263580 | 159296 |
| 4.738 | | 54689 | 25140 |
| 4.758 | | 3096009 | 2693439 |
| 4.805 | | 159144 | 146706 |
| 4.845 | | 1214629 | 1190417 |
| 4.876 | | 25773 | 15398 |
| 4.905 | | 739587 | 691886 |
| 4.956 | | 3800737 | 4348074 |
| 5.007 | | 571260 | 534791 |
| 5.047 | | 1526014 | 1639465 |
| 5.09 | | 77599 | 50182 |
| 5.128 | | 352178 | 416458 |
| 5.161 | | 4735238 | 4151788 |
| 5.183 | | 207786 | 105129 |
| 5.203 | | 64287 | 29443 |
| 5.228 | | 2303792 | 2049578 |
| 5.269 | | 1366992 | 1337024 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.365 | | 621511 | 481908 |
| 5.389 | | 1953412 | 1657143 |
| 5.446 | | 1155665 | 1083636 |
| 5.485 | | 726424 | 725887 |
| 5.528 | | 121004 | 135981 |
| 5.569 | | 920403 | 968806 |
| 5.601 | | 12371 | 11317 |
| 5.626 | | 6953981 | 6446324 |
| 5.66 | | 47011 | 33832 |
| 5.731 | | 51910 | 51012 |
| 5.83 | | 4218965 | 3939563 |
| 5.861 | | 314444 | 222883 |
| 5.885 | | 854660 | 903458 |
| 5.969 | | 11941 | 9331 |
| 5.997 | | 36320 | 26695 |
| 6.021 | | 51303 | 41924 |
| 6.046 | | 1992 | 659 |
| 6.072 | | 116378 | 91404 |
| 6.1 | | 748044 | 675916 |
| 6.16 | | 16154 | 13778 |
| 6.202 | | 5902 | 11409 |
| 6.228 | | 5223 | 3350 |
| 6.255 | | 1531702 | 1475274 |
| 6.299 | | 103926 | 96370 |
| 6.412 | | 1935 | 771 |
| 6.454 | | 263459 | 253084 |
| 6.481 | | 7953 | 5090 |
| 6.569 | | 3757 | 2522 |
| 6.601 | DCB | 74514 | 70709 |
| 6.635 | | 3307 | 2496 |
| 6.666 | | 5420 | 4670 |
| 6.72 | | 1122 | 551 |
| 6.994 | | 1180 | 402 |
| 7.14 | | 1487 | 1127 |
| 7.212 | | 2070 | 2509 |
| 7.332 | | 1378 | 1487 |
| 7.355 | | 1140 | 339 |
| 7.387 | | 2016 | 722 |
| 7.401 | | 1628 | 733 |
| 7.417 | | 2241 | 565 |
| 7.468 | | 1064 | 395 |
| 7.495 | | 1336 | 404 |
| 7.513 | | 1685 | 856 |
| 7.608 | | 1519 | 491 |
| 7.783 | | 1363 | 757 |
| 7.818 | | 1097 | 562 |
| 7.946 | | 1144 | 355 |
| 8.184 | | 1562 | 777 |
| 8.212 | | 1852 | 585 |
| 8.264 | | 563 | 684 |
| 8.398 | | 1723 | 628 |
| 8.565 | | 2627 | 4290 |
| 8.645 | | 930 | 631 |

LANCASTER LABORATORIES

Sample Number: 9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:39:52 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0062.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 9048 | 5366 |
| 1.555 | | 20258 | 22061 |
| 1.584 | | 18227 | 20760 |
| 1.618 | | 22971 | 45730 |
| 1.647 | | 18961 | 19806 |
| 1.688 | | 24661 | 38459 |
| 1.71 | | 26373 | 36054 |
| 1.742 | | 23755 | 24788 |
| 1.77 | | 33106 | 31794 |
| 1.816 | | 30506 | 93152 |
| 1.855 | | 30682 | 39795 |
| 1.878 | | 30044 | 24827 |
| 1.901 | | 31956 | 33023 |
| 1.932 | | 42579 | 54979 |
| 1.958 | | 28948 | 27301 |
| 1.979 | | 27532 | 29601 |
| 2 | | 11799 | 5308 |
| 2.025 | | 24017 | 23019 |
| 2.045 | | 23224 | 18350 |
| 2.077 | | 21232 | 26288 |
| 2.142 | | 15429 | 17499 |
| 2.165 | | 6569 | 2809 |
| 2.185 | | 8116 | 5727 |
| 2.206 | | 12301 | 7173 |
| 2.227 | | 10717 | 14796 |
| 2.266 | | 11403 | 11146 |
| 2.284 | | 5971 | 3412 |
| 2.298 | | 8502 | 7072 |
| 2.34 | | 15047 | 9930 |
| 2.357 | | 5773 | 2973 |
| 2.406 | | 4811 | 1642 |
| 2.421 | | 9304 | 6413 |
| 2.439 | | 7746 | 3690 |
| 2.465 | | 13882 | 9312 |
| 2.514 | | 18612 | 22438 |
| 2.541 | | 5440 | 3344 |
| 2.57 | | 3814 | 2639 |
| 2.591 | TCX | 115475 | 76402 |
| 2.638 | | 3191 | 1127 |
| 2.652 | | 8212 | 4347 |
| 2.683 | | 11059 | 13212 |
| 2.737 | | 3880 | 3433 |
| 2.763 | | 6056 | 3292 |
| 2.787 | | 4340 | 2425 |
| 2.813 | | 9357 | 12758 |
| 2.848 | | 4108 | 1790 |
| 2.888 | | 57073 | 52576 |
| 2.925 | | 5728 | 4380 |
| 2.95 | | 6903 | 3844 |
| 2.987 | | 14069 | 15845 |
| 3.051 | | 6573 | 6241 |
| 3.084 | | 19087 | 9398 |
| 3.096 | | 34734 | 17133 |
| 3.16 | | 4466 | 3594 |

| | | |
|---|---|---|
| 3.204 | 155696 | 107100 |
| 3.243 | 11672 | 12391 |
| 3.292 | 43740 | 37655 |
| 3.334 | 6802 | 4095 |
| 3.364 | 224228 | 169924 |
| 3.383 | 413407 | 251632 |
| 3.413 | 494429 | 317797 |
| 3.47 | 64862 | 68721 |
| 3.506 | 568858 | 346342 |
| 3.529 | 995258 | 532778 |
| 3.547 | 1696864 | 983071 |
| 3.632 | 318670 | 190913 |
| 3.655 | 230993 | 127198 |
| 3.675 | 423299 | 364051 |
| 3.721 | 410940 | 334595 |
| 3.759 | 174687 | 122734 |
| 3.802 | 130491 | 98318 |
| 3.831 | 104348 | 61310 |
| 3.853 | 2032932 | 1339389 |
| 3.878 | 511385 | 289104 |
| 3.897 | 842793 | 496344 |
| 3.918 | 686039 | 417251 |
| 3.953 | 2838090 | 1965162 |
| 3.983 | 1213925 | 758586 |
| 4 | 216721 | 98787 |
| 4.023 | 294739 | 195694 |
| 4.063 | 173914 | 161430 |
| 4.096 | 440628 | 298718 |
| 4.116 | 157119 | 96075 |
| 4.152 | 953511 | 687762 |
| 4.194 | 535126 | 397243 |
| 4.212 | 1509461 | 813191 |
| 4.226 | 1205366 | 593576 |
| 4.25 | 818843 | 783475 |
| 4.303 | 4872406 | 4114358 |
| 4.34 | 227741 | 225973 |
| 4.372 | 1351825 | 924155 |
| 4.397 | 1326534 | 983688 |
| 4.44 | 6285046 | 5010942 |
| 4.54 | 4055299 | 4039193 |
| 4.591 | 1001468 | 902007 |
| 4.632 | 1352857 | 1190278 |
| 4.668 | 6526465 | 5425049 |
| 4.7 | 2707532 | 1885620 |
| 4.739 | 1923260 | 1528124 |
| 4.796 | 5714 | 2900 |
| 4.809 | 8741 | 4222 |
| 4.838 | 494104 | 345937 |
| 4.855 | 128696 | 69200 |
| 4.887 | 3269614 | 2470964 |
| 4.91 | 596702 | 399578 |
| 4.961 | 1872870 | 1700846 |
| 4.996 | 943019 | 769901 |
| 5.027 | 731005 | 583180 |
| 5.059 | 431841 | 283795 |
| 5.083 | 8876511 | 7238972 |
| 5.124 | 180853 | 131673 |
| 5.154 | 246394 | 197033 |
| 5.275 | 80902 | 49909 |
| 5.298 | 1518324 | 1249990 |
| 5.34 | 5098664 | 5572428 |
| 5.411 | 19658 | 15514 |
| 5.497 | 109169 | 93670 |
| 5.545 | 198332 | 149590 |
| 5.567 | 37006 | 21524 |
| 5.59 | 70455 | 43349 |
| 5.616 | 929260 | 793674 |

| | | | |
|---|---|---|---|
| 5.697 | | 13469 | 7764 |
| 5.724 | | 2120270 | 1837943 |
| 5.756 | | 129530 | 96115 |
| 5.925 | | 455793 | 411197 |
| 6.082 | DCB | 161984 | 146474 |
| 6.12 | | 14232 | 13432 |
| 6.214 | | 2008 | 1573 |
| 6.258 | | 12274 | 9277 |
| 6.285 | | 4913 | 3870 |
| 6.484 | | 1568 | 1422 |
| 6.51 | | 2863 | 3068 |
| 6.643 | | 3191 | 8675 |
| 6.762 | | 3133 | 4015 |
| 6.885 | | 1362 | 2758 |
| 6.984 | | 4630 | 5220 |
| 7.517 | | 3355 | 5214 |
| 8.073 | | 2414 | 4408 |
| 8.16 | | 9917 | 18047 |
| 8.64 | | 1085 | 823 |

9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082

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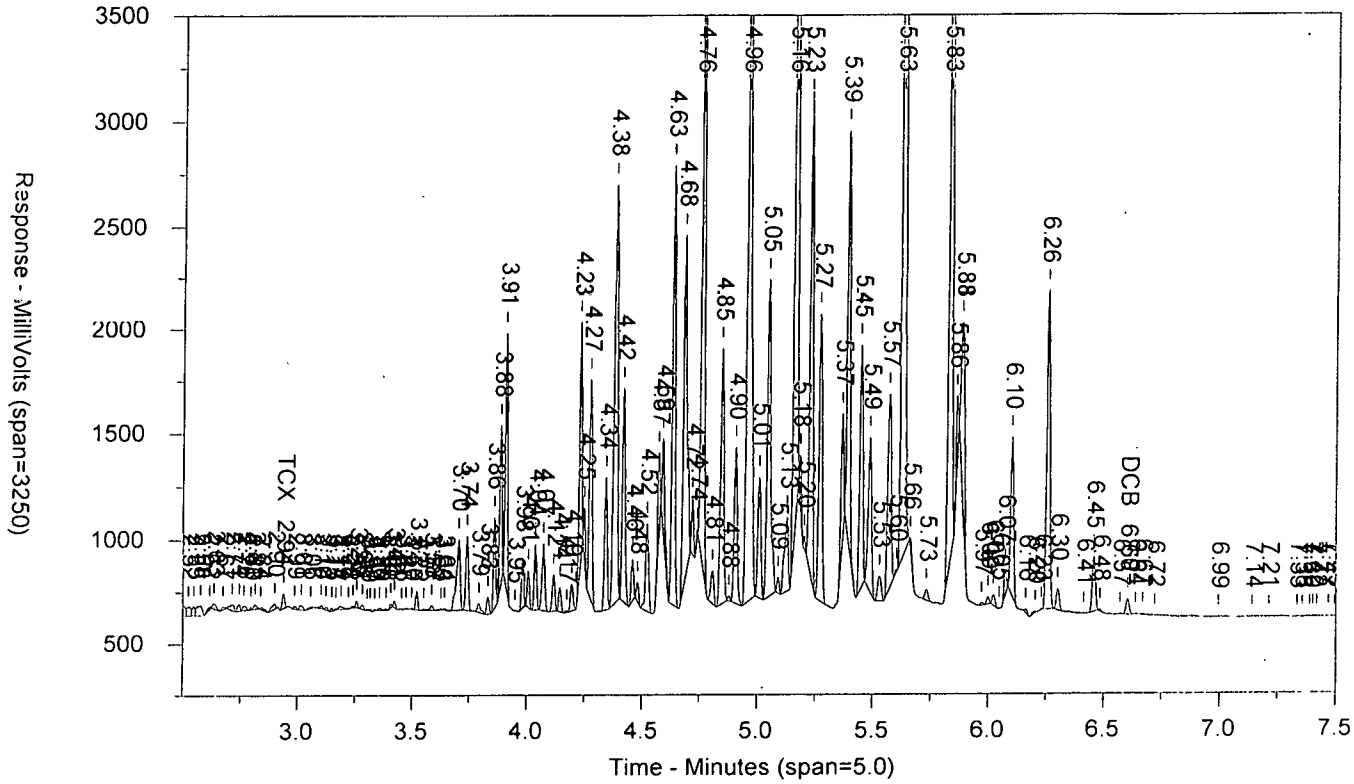


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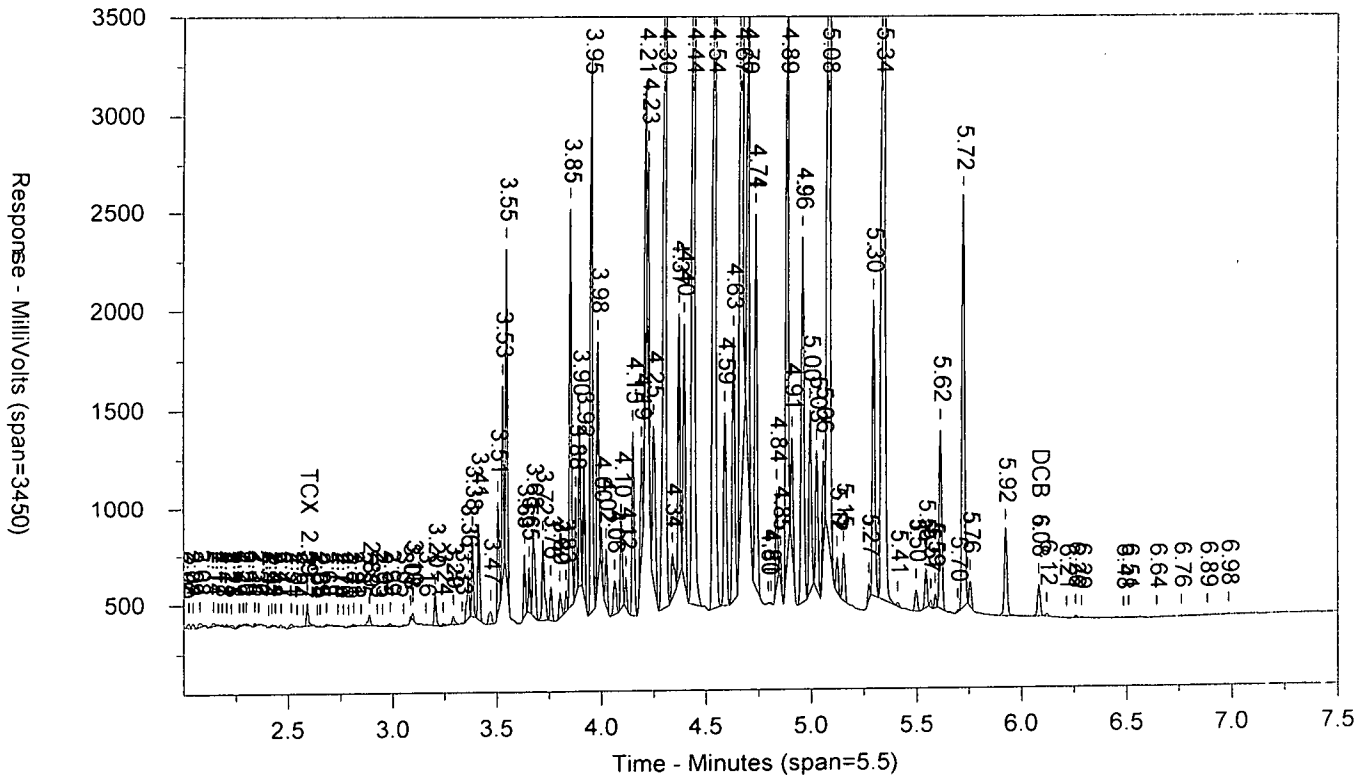

LANCASTER LABORATORIES

Sample Number: 9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:39:52 AM
Sample Weight: 10.22
Instrument ID: CP7-19843A
Dilution Factor: 1000
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: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 74337 | 26.535 | TCX | 2.591 | 115475 | 27.257 | TCX |
| 6.601 | 74514 | 36.133 | DCB | 6.082 | 161984 | 41.869 | DCB |

Files:
Area File: 07PCBS17284001.0062.RAW
Area File: 07PCBS17284001B.0062.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:34:34 AM

9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082

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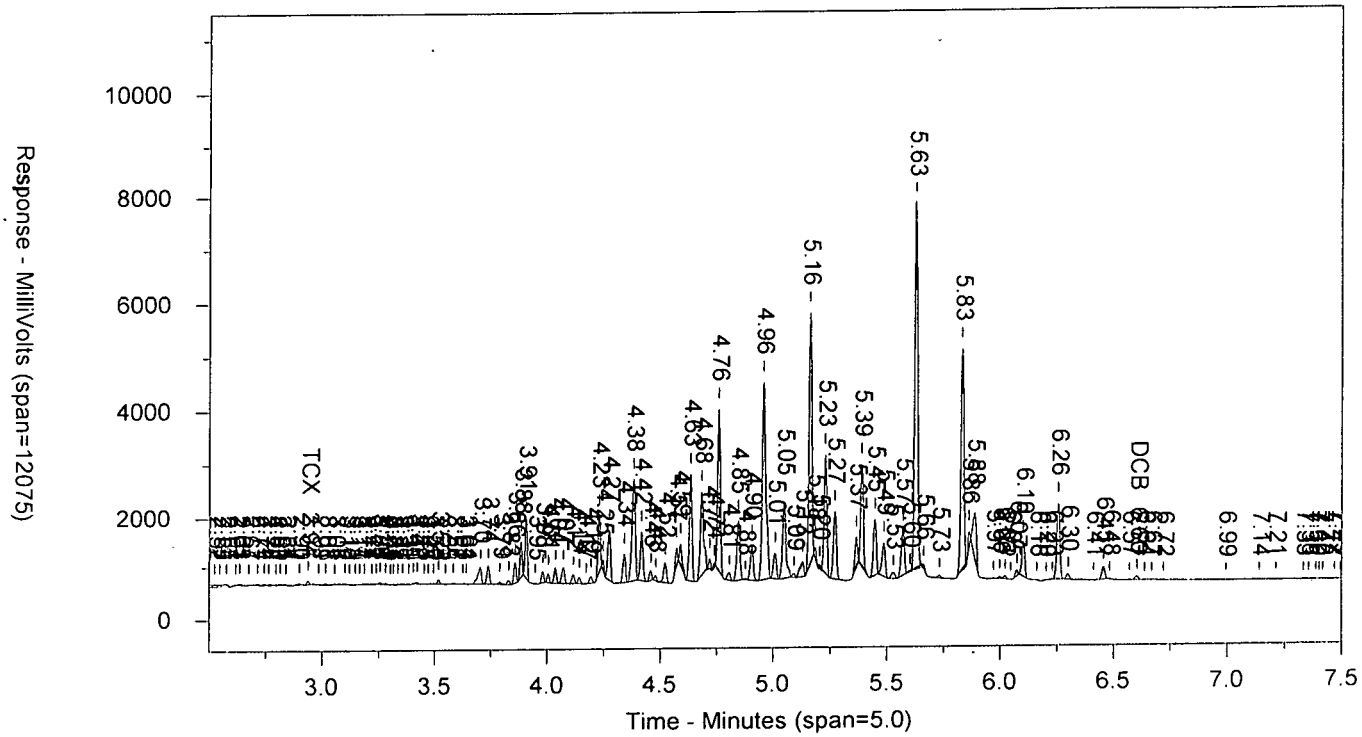


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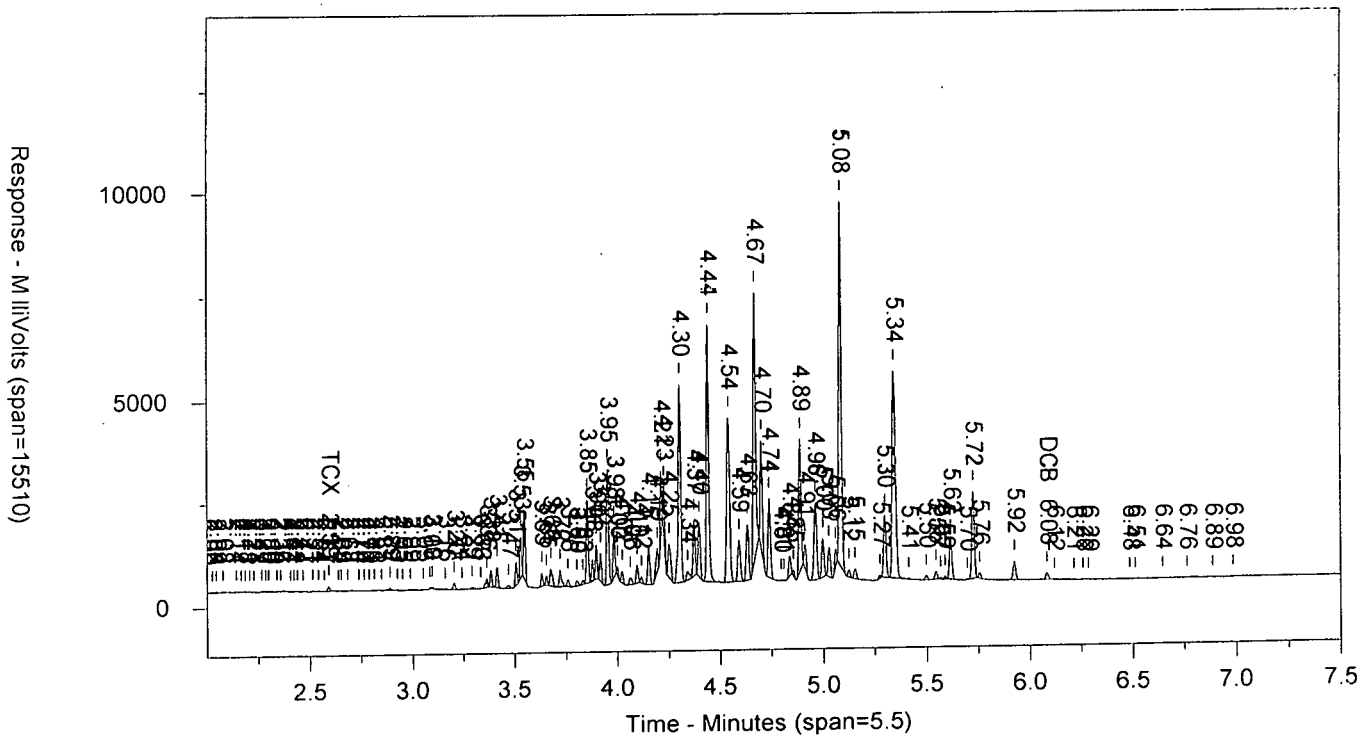

9229489 ACF DF100 AC99A18 T 172820028A 10225 SW-846 8082

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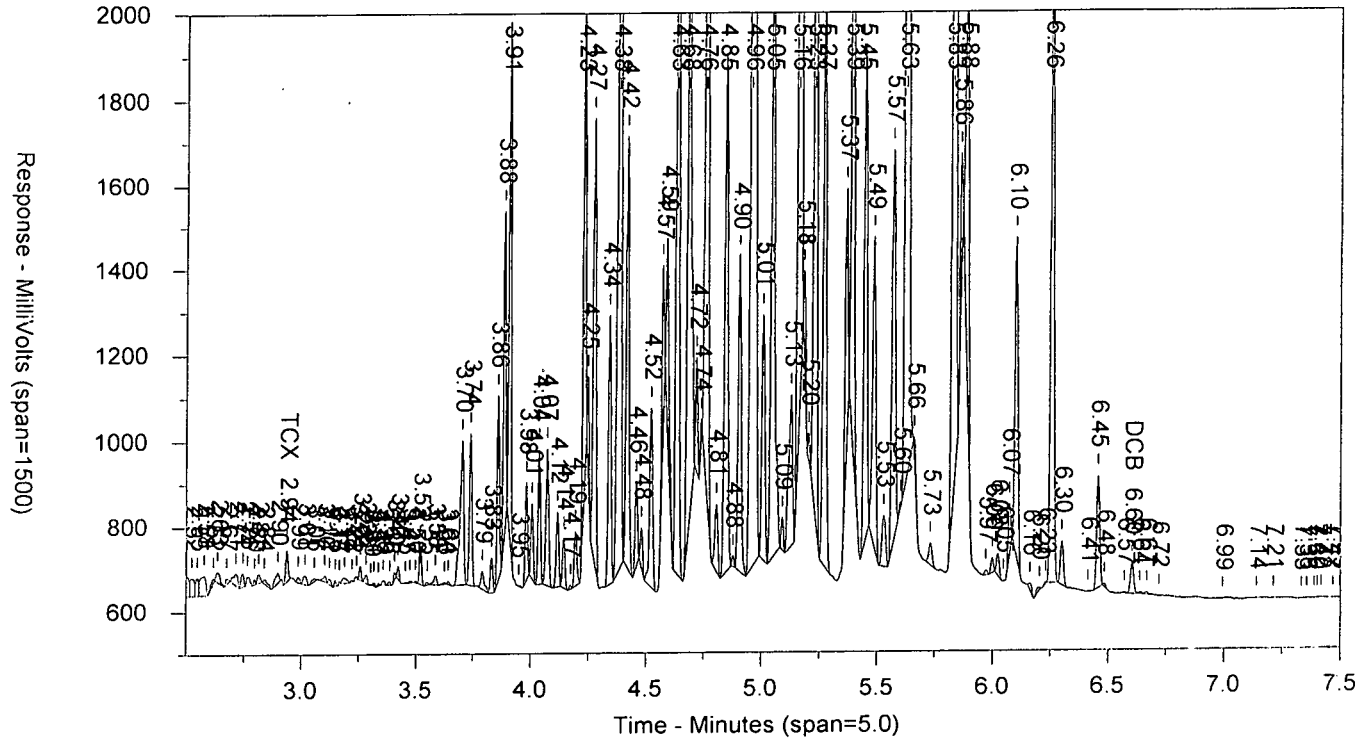


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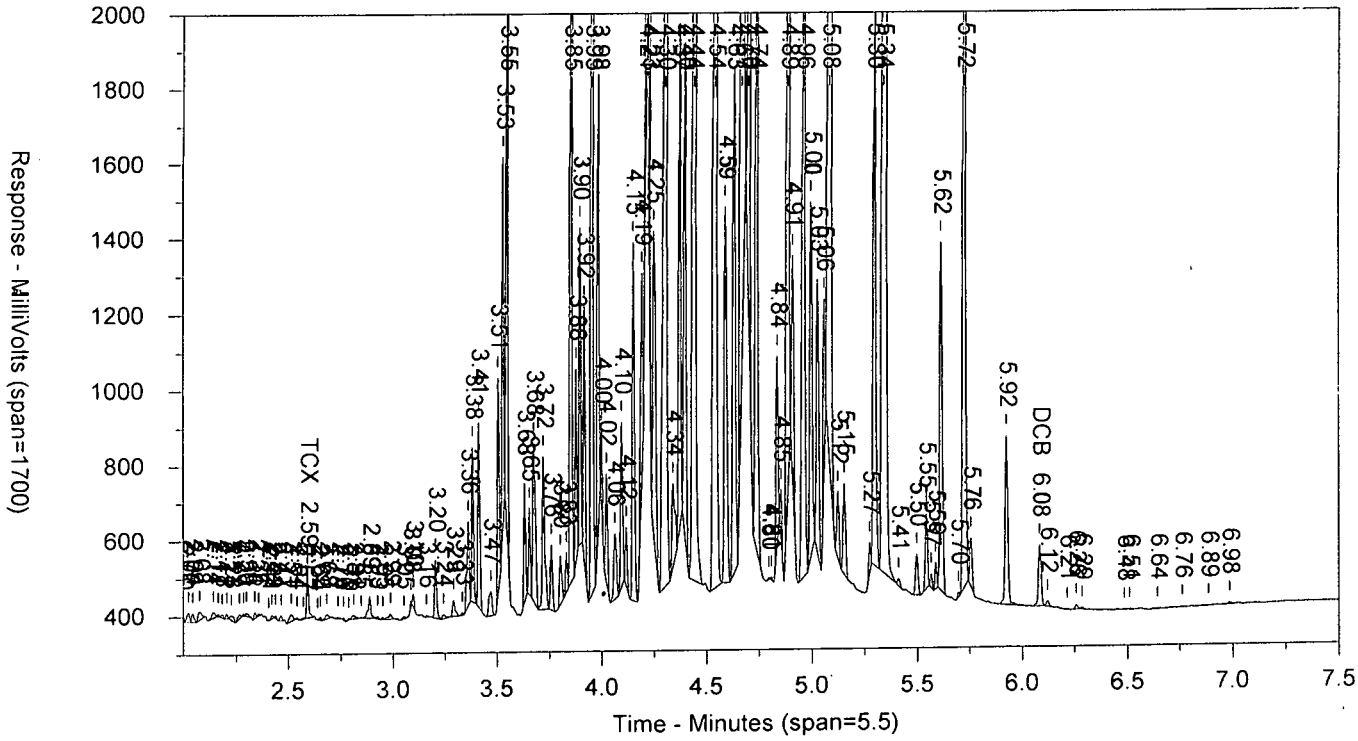

# Standards Data

# Polychlorinated Biphenyls (PCBs)

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17284001.seq

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

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

Number of Entries: 131

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 CONDITIONER | 1 | MISC | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | |
| 2 CONDITIONER | 2 | MISC | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | |
| 3 CONDITIONER | 3 | MISC | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | |
| 4 CONDITIONER | 4 | MISC | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | |
| 5 IBLKX1724B | 5 | PIBLK | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 6 EVALX1724A | 6 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 7 AR1611724B | 7 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 1 | 1728399999 | 10736 |
| 8 AR1621724B | 8 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 2 | 1728399999 | 10736 |
| 9 AR1631724B | 9 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 3 | 1728399999 | 10736 |
| 10 AR1641724B | 10 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 4 | 1728399999 | 10736 |
| 11 AR1651724B | 11 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 5 | 1728399999 | 10736 |
| 12 AR1661724A | 12 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 6 | 1728399999 | 10736 |
| 13 AR4811724C | 13 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 14 AR4821724C | 14 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 15 AR4831724C | 15 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 16 AR4841724C | 16 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 17 AR4851724C | 17 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 18 AR4861724B | 18 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 19 AR5411724C | 19 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 20 AR5421724C | 20 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 21 AR5431724C | 21 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 22 AR5441724C | 22 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 23 AR5451724C | 23 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 24 AR5461724B | 24 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 25 AR6231724A | 25 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 26 AR6831724B | 26 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 27 AR2131724A | 27 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 28 AR3241724A | 28 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 29 AR4231724A | 29 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 30 MD16X1724B | 30 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 31 AR16XX1724B | 31 | ICAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 32 IC16X1724C | 32 | CCAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 33 IC48X1724B | 33 | CCAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 34 IC54X1724B | 34 | CCAL | AA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 35 9238122MSD RI ACF | 35 | MSD | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.21 | 10 | 1 | 0 | 172770038A | 10885 |
| 36 9238124 RI ACF | 36 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.09 | 10 | 1 | 0 | 172770038A | 10885 |
| 37 9238125 RI ACF | 37 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.19 | 10 | 1 | 0 | 172770038A | 10885 |
| 38 9238126 RI ACF | 38 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.16 | 10 | 1 | 0 | 172770038A | 10885 |
| 39 9238127 RI ACF | 39 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.01 | 10 | 1 | 0 | 172770038A | 10885 |
| 40 9238128 RI ACF | 40 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.4 | 10 | 1 | 0 | 172770038A | 10885 |
| 41 9238129 RI ACF | 41 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.37 | 10 | 1 | 0 | 172770038A | 10885 |
| 42 9238130 RI ACF | 42 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.34 | 10 | 1 | 0 | 172770038A | 10885 |
| 43 9238131 RI ACF | 43 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.06 | 10 | 1 | 0 | 172770038A | 10885 |
| 44 9238132 RI ACF | 44 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 30.27 | 10 | 1 | 0 | 172770038A | 10885 |
| 45 AR1641724B | 45 | CCAL | KU | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 46 IBLKX1724B | 46 | PIBLK | RT | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 47 BLANKA 10/9/17 ACF | 47 | BLK | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10 | 10 | 1 | 0 | 172820028A | 10225 |
| 48 LCSA 10/9/17 ACF | 48 | LCS | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10 | 10 | 1 | 0 | 172820028A | 10225 |
| 49 9229478 ACF DF200 | 49 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.21 | 2000 | 1 | 0 | 172820028A | 10225 |
| 50 9229478 ACF DF500 | 50 | T | AE | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.21 | 5000 | 1 | 0 | 172820028A | 10225 |

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17284001.seq

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

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

Number of Entries: 131

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 9229479 ACF DF50 | 51 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.21 | 500 | 1 | 0 | 172820028A | 10225 |
| 52 9229480 ACF DF50 | 52 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.3 | 500 | 1 | 0 | 172820028A | 10225 |
| 53 9229480 ACF DF100 | 53 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.3 | 1000 | 1 | 0 | 172820028A | 10225 |
| 54 9229481 ACF DF50 | 54 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.31 | 500 | 1 | 0 | 172820028A | 10225 |
| 55 9229482 ACF DF20 | 55 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.33 | 200 | 1 | 0 | 172820028A | 10225 |
| 56 9229483 ACF DF100 | 56 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.04 | 1000 | 1 | 0 | 172820028A | 10225 |
| 57 9229484 ACF DF50 | 57 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.05 | 500 | 1 | 0 | 172820028A | 10225 |
| 58 9229485MS ACF DF50 | 58 | MS | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.15 | 500 | 1 | 0 | 172820028A | 10225 |
| 59 9229486MSD ACF DF50 | 59 | MSD | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.17 | 500 | 1 | 0 | 172820028A | 10225 |
| 60 9229487 ACF DF50 | 60 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.12 | 500 | 1 | 0 | 172820028A | 10225 |
| 61 9229488 ACF DF20 | 61 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.15 | 200 | 1 | 0 | 172820028A | 10225 |
| 62 9229489 ACF DF100 | 62 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.22 | 1000 | 1 | 0 | 172820028A | 10225 |
| 63 9229493 ACF DF500 | 63 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.31 | 5000 | 1 | 0 | 172820028A | 10225 |
| 64 9229494 ACF DF500 | 64 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.28 | 5000 | 1 | 0 | 172820028A | 10225 |
| 65 9229494 ACF DF1000 | 65 | T | AE | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.28 | 10000 | 1 | 0 | 172820028A | 10225 |
| 66 BLANKA 10/9/17 ACF | 66 | BLK | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10 | 10 | 1 | 0 | 172820027A | 10225 |
| 67 AR1641724B | 67 | CCAL | KV | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 68 IBLKX1724B | 68 | PIBLK | RU | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 69 LCSA 10/9/17 ACF | 69 | LCS | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10 | 10 | 1 | 0 | 172820027A | 10225 |
| 70 9229463 ACF DF10 | 70 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.26 | 100 | 1 | 0 | 172820027A | 10225 |
| 71 9229464 ACF DF50 | 71 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.05 | 500 | 1 | 0 | 172820027A | 10225 |
| 72 9229465 ACF DF20 | 72 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.1 | 200 | 1 | 0 | 172820027A | 10225 |
| 73 9229466MS ACF DF20 | 73 | MS | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.15 | 200 | 1 | 0 | 172820027A | 10225 |
| 74 9229467MSD ACF DF20 | 74 | MSD | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.05 | 200 | 1 | 0 | 172820027A | 10225 |
| 75 9229468 ACF DF10 | 75 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.12 | 100 | 1 | 0 | 172820027A | 10225 |
| 76 9229468 ACF DF20 | 76 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.12 | 200 | 1 | 0 | 172820027A | 10225 |
| 77 9229469 ACF DF10 | 77 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.49 | 100 | 1 | 0 | 172820027A | 10225 |
| 78 9229470 ACF DF200 | 78 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.23 | 2000 | 1 | 0 | 172820027A | 10225 |
| 79 9229471 ACF DF100 | 79 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.07 | 1000 | 1 | 0 | 172820027A | 10225 |
| 80 9229472 ACF DF1000 | 80 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.04 | 10000 | 1 | 0 | 172820027A | 10225 |
| 81 9229473 ACF DF1000 | 81 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.03 | 10000 | 1 | 0 | 172820027A | 10225 |
| 82 9229474 ACF DF100 | 82 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10 | 1000 | 1 | 0 | 172820027A | 10225 |
| 83 9229475 ACF DF50 | 83 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.26 | 500 | 1 | 0 | 172820027A | 10225 |
| 84 9229475 ACF DF100 | 84 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.26 | 1000 | 1 | 0 | 172820027A | 10225 |
| 85 9229476 ACF DF100 | 85 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.19 | 1000 | 1 | 0 | 172820027A | 10225 |
| 86 9229477 ACF DF500 | 86 | T | AD | DEPT-24\ACTIVE\CP7\07PCBS.MET | 10.08 | 5000 | 1 | 0 | 172820027A | 10225 |
| 87 AR1641724B | 87 | CCAL | KW | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 88 IBLKX1724B | 88 | PIBLK | RV | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 89 BLANKA 10/7/17 AF | 89 | BLK | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 10 | 1 | 0 | 172790010A | 13713 |
| 90 LCSA 10/7/17 AF | 90 | LCS | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 10 | 1 | 0 | 172790010A | 13713 |
| 91 LCSDA 10/7/17 AF | 91 | LCSD | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 10 | 1 | 0 | 172790010A | 13713 |
| 92 9234872 AF DF10 | 92 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 100 | 1 | 0 | 172790010A | 13713 |
| 93 9234873 AF DF5 | 93 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 50 | 1 | 0 | 172790010A | 13713 |
| 94 9234874 RI AF | 94 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 10 | 1 | 0 | 172790010A | 13713 |
| 95 9234875 AF DF10 | 95 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 100 | 1 | 0 | 172790010A | 13713 |
| 96 9234876 AF DF5 | 96 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 50 | 1 | 0 | 172790010A | 13713 |
| 97 9234877 AF DF10 | 97 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 100 | 1 | 0 | 172790010A | 13713 |
| 98 9234878 AF DF5 | 98 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 50 | 1 | 0 | 172790010A | 13713 |
| 99 AR1641724B | 99 | CCAL | KX | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 100 IBLKX1724B | 100 | PIBLK | RW | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |

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## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17284001.seq

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

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

Number of Entries: 131

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 101 9234879 AF DF5 | 101 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 50 | 1 | 0 | 172790010A | 13713 |
| 102 9234880 RI AF | 102 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 10 | 1 | 0 | 172790010A | 13713 |
| 103 9234881 AF DF5 | 103 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 50 | 1 | 0 | 172790010A | 13713 |
| 104 9234882 AF DF5 | 104 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 50 | 1 | 0 | 172790010A | 13713 |
| 105 9234883 AF DF5 | 105 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 50 | 1 | 0 | 172790010A | 13713 |
| 106 9234884 RI AF | 106 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 10 | 1 | 0 | 172790010A | 13713 |
| 107 9234885 AF DF5 | 107 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 50 | 1 | 0 | 172790010A | 13713 |
| 108 9234886 RI AF | 108 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 10 | 1 | 0 | 172790010A | 13713 |
| 109 9234887 AF DF5 | 109 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 50 | 1 | 0 | 172790010A | 13713 |
| 110 9234888 RI AF | 110 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 10 | 1 | 0 | 172790010A | 13713 |
| 111 AR1641724B | 111 | CCAL | KY | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 112 IBLKX1724B | 112 | PIBLK | RX | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 113 9234889 AF DF5 | 113 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.1 | 50 | 1 | 0 | 172790010A | 13713 |
| 114 9234890 AF DF5 | 114 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 50 | 1 | 0 | 172790010A | 13713 |
| 115 9234891 AF DF5 | 115 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 50 | 1 | 0 | 172790010A | 13713 |
| 116 BLANKA 10/7/17 AF | 116 | BLK | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 10 | 1 | 0 | 172790011A | 13713 |
| 117 LCSA 10/7/17 AF | 117 | LCS | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 10 | 1 | 0 | 172790011A | 13713 |
| 118 LCSDA 10/7/17 AF | 118 | LCSD | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 10 | 1 | 0 | 172790011A | 13713 |
| 119 9234912 RI AF | 119 | T | AB | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 10 | 1 | 0 | 172790011A | 13713 |
| 120 9234912 AF DF5 | 120 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.3 | 50 | 1 | 0 | 172790011A | 13713 |
| 121 9234913 AF DF5 | 121 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 50 | 1 | 0 | 172790011A | 13713 |
| 122 9234914 AF DF5 | 122 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15 | 50 | 1 | 0 | 172790011A | 13713 |
| 123 AR1641724B | 123 | CCAL | KZ | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 124 IBLKX1724B | 124 | PIBLK | RY | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |
| 125 9234915 AF DF5 | 125 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 50 | 1 | 0 | 172790011A | 13713 |
| 126 9234916 AF DF10 | 126 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.4 | 100 | 1 | 0 | 172790011A | 13713 |
| 127 9234917 AF DF20 | 127 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 200 | 1 | 0 | 172790011A | 13713 |
| 128 9234918 AF DF5 | 128 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.2 | 50 | 1 | 0 | 172790011A | 13713 |
| 129 9234919 AF DF5 | 129 | T | AC | DEPT-24\ACTIVE\CP7\07PCBS.MET | 15.5 | 50 | 1 | 0 | 172790011A | 13713 |
| 130 AR1641724B | 130 | CCAL | LA | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1 | 1 | 1 | 0 | 1728399999 | 10736 |
| 131 IBLKX1724B | 131 | PIBLK | RZ | DEPT-24\ACTIVE\CP7\07PCBS.MET | 1000 | 10 | 1 | 0 | 1728399999 | 10736 |

DB12669

10/12/17

Set-up by: 285S Date: 12Oct17

10/12/2017

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## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs17289001.seq

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

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

Number of Entries: 56

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 CONDITIONER | 1 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | |
| 2 CONDITIONER | 2 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | |
| 3 CONDITIONER | 3 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | |
| 4 CONDITIONER | 4 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | |
| 5 IBLKX1724B | 5 | PIBLK | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1728899999 | 10225 |
| 6 EVALX1724A | 6 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 7 AR1611724B | 7 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 1 | 1728899999 | 10225 |
| 8 AR1621724B | 8 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 2 | 1728899999 | 10225 |
| 9 AR1631724B | 9 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 3 | 1728899999 | 10225 |
| 10 AR1641724B | 10 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 4 | 1728899999 | 10225 |
| 11 AR1651724B | 11 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 5 | 1728899999 | 10225 |
| 12 AR1661724A | 12 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 6 | 1728899999 | 10225 |
| 13 AR4811724C | 13 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 14 AR4821724C | 14 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 15 AR4831724C | 15 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 16 AR4841724C | 16 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 17 AR4851724C | 17 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 18 AR4861724B | 18 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 19 AR5411724C | 19 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 20 AR5421724C | 20 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 21 AR5431724C | 21 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 22 AR5441724C | 22 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 23 AR5451724C | 23 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 24 AR5461724B | 24 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 25 AR6231724A | 25 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 26 AR6831724B | 26 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 27 AR2141724A | 27 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 28 AR3241724A | 28 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 29 AR4241724A | 29 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 30 AR16XX1724B | 30 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 31 MD16X1724B | 31 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 32 IC16X1724C | 32 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 33 IC48X1724B | 33 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 34 IC54X1724B | 34 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 35 9262085 RI ACF | 35 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.2 | 10 | 1 | 0 | 172860002A | 10736 |
| 36 BLANKA 10/11/17 RI ACF | 36 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172830027A | 10736 |
| 37 LCSA 10/11/17 RI ACF | 37 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172830027A | 10736 |
| 38 AR1641724B | 38 | CCAL | MZ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 39 IBLKX1724B | 39 | PIBLK | UZ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1728899999 | 10225 |
| 40 9254439 RI ACF | 40 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 10 | 1 | 0 | 172830027A | 10736 |
| 41 9254439 RI ACF DF5 | 41 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 50 | 1 | 0 | 172830027A | 10736 |
| 42 9254444 RI ACF | 42 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.09 | 10 | 1 | 0 | 172830027A | 10736 |
| 43 9254449 RI ACF | 43 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.46 | 10 | 1 | 0 | 172830027A | 10736 |
| 44 9254454 RI ACF | 44 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.22 | 10 | 1 | 0 | 172830027A | 10736 |
| 45 9254459 RI ACF | 45 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.3 | 10 | 1 | 0 | 172830027A | 10736 |
| 46 9254464 RI ACF | 46 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.23 | 10 | 1 | 0 | 172830027A | 10736 |
| 47 9254559 RI ACF | 47 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.12 | 10 | 1 | 0 | 172830027A | 10736 |
| 48 9254560 RI ACF | 48 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 10 | 1 | 0 | 172830027A | 10736 |
| 49 9254561 RI ACF | 49 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 10 | 1 | 0 | 172830027A | 10736 |
| 50 9254562 RI ACF | 50 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.22 | 10 | 1 | 0 | 172830027A | 10736 |

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

Number of Entries: 56

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 9254563 RI ACF | 51 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.31 | 10 | 1 | 0 | 172830027A | 10736 |
| 52 9254563MS RI ACF | 52 | MS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.37 | 10 | 1 | 0 | 172830027A | 10736 |
| 53 9254563MSD RI ACF | 53 | MSD | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.32 | 10 | 1 | 0 | 172830027A | 10736 |
| 54 9254564 RI ACF | 54 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.26 | 10 | 1 | 0 | 172830027A | 10736 |
| 55 AR1641724B | 55 | CCAL | NA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1728899999 | 10225 |
| 56 IBLKX1724B | 56 | PIBLK | VA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1728899999 | 10225 |

✓ DD 10/16/17

Set-up by: 12855 Date: 16 Oct 17

10/16/2017

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17289004.seq

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

Number of Entries: 98

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 CONDITIONER | 1 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | |
| 2 CONDITIONER | 2 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | |
| 3 CONDITIONER | 3 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | |
| 4 CONDITIONER | 4 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | |
| 5 AR1641724B | 5 | CCAL | NR | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 6 IBLKX1724B | 6 | PIBLK | WM | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 7 9268086 ACF DF10 | 7 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.26 | 100 | 1 | 0 | 172910001A | 10592 |
| 8 9229472 RI ACF DF200 | 8 | T | AE | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.04 | 2000 | 1 | 0 | 172820027A | 10225 |
| 9 9229472 RI ACF DF500 | 9 | T | AF | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.04 | 5000 | 1 | 0 | 172820027A | 10225 |
| 10 BLANKA 10/17/17 RI A | 10 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172890022A | 10885 |
| 11 LCSA 10/17/17 RI ACF | 11 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172890022A | 10885 |
| 12 AR1641724B | 12 | CCAL | NS | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 13 IBLKX1724B | 13 | PIBLK | WN | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 14 9254411 RI ACF | 14 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.28 | 10 | 1 | 0 | 172890022A | 10885 |
| 15 9254412 RI ACF | 15 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172890022A | 10885 |
| 16 9254413MS RI ACF | 16 | MS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.15 | 10 | 1 | 0 | 172890022A | 10885 |
| 17 9254414MSD RI ACF | 17 | MSD | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.22 | 10 | 1 | 0 | 172890022A | 10885 |
| 18 9255512 RI ACF | 18 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.08 | 10 | 1 | 0 | 172890022A | 10885 |
| 19 9255515 RI ACF | 19 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.01 | 10 | 1 | 0 | 172890022A | 10885 |
| 20 9255516 RI ACF | 20 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.17 | 10 | 1 | 0 | 172890022A | 10885 |
| 21 9264631 RI ACF | 21 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172890022A | 10885 |
| 22 9264654 RI ACF | 22 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.34 | 10 | 1 | 0 | 172890022A | 10885 |
| 23 9264657 RI ACF | 23 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.22 | 10 | 1 | 0 | 172890022A | 10885 |
| 24 9264660 RI ACF | 24 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.29 | 10 | 1 | 0 | 172890022A | 10885 |
| 25 9264663 RI ACF | 25 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 10 | 1 | 0 | 172890022A | 10885 |
| 26 9264663 RI ACF DF5 | 26 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 50 | 1 | 0 | 172890022A | 10885 |
| 27 9264666 RI ACF | 27 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.39 | 10 | 1 | 0 | 172890022A | 10885 |
| 28 9264669 RI ACF | 28 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172890022A | 10885 |
| 29 AR1641724B | 29 | CCAL | NT | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 30 IBLKX1724B | 30 | PIBLK | WO | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 31 AR4241724A | 31 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 32 AR4841724A | 32 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 33 AR5441724A | 33 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 34 BLANKA 10/18/17 ACF | 34 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172900021A | 10736 |
| 35 LCSA 10/18/17 ACF | 35 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172900021A | 10736 |
| 36 AR1641724B | 36 | CCAL | NU | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 37 IBLKX1724B | 37 | PIBLK | WP | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 38 9262359 RI ACF | 38 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.22 | 10 | 1 | 0 | 172900021A | 10736 |
| 39 9262359MS ACF | 39 | MS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172900021A | 10736 |
| 40 9262359MSD ACF | 40 | MSD | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.3 | 10 | 1 | 0 | 172900021A | 10736 |
| 41 9262360 RI ACF | 41 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 10 | 1 | 0 | 172900021A | 10736 |
| 42 9262361 RI ACF | 42 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.46 | 10 | 1 | 0 | 172900021A | 10736 |
| 43 9262362 RI ACF | 43 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.06 | 10 | 1 | 0 | 172900021A | 10736 |
| 44 9263009 RI ACF | 44 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 5.1 | 10 | 1 | 0 | 172900021A | 10736 |
| 45 9264278 ACF DF20 | 45 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 200 | 1 | 0 | 172900021A | 10736 |
| 46 9264510 ACF DF5 | 46 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.02 | 50 | 1 | 0 | 172900021A | 10736 |
| 47 9264517 RI ACF | 47 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.4 | 10 | 1 | 0 | 172900021A | 10736 |
| 48 9264517 ACF DF5 | 48 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.4 | 50 | 1 | 0 | 172900021A | 10736 |
| 49 9264518 RI ACF | 49 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 10 | 1 | 0 | 172900021A | 10736 |
| 50 9264520 RI ACF | 50 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 10 | 1 | 0 | 172900021A | 10736 |

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17289004.seq

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

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

Number of Entries: 98

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 9264521 RI ACF | 51 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.2 | 10 | 1 | 0 | 172900021A | 10736 |
| 52 9264524 ACF DF5 | 52 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.14 | 50 | 1 | 0 | 172900021A | 10736 |
| 53 9264526 ACF DF5 | 53 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.45 | 50 | 1 | 0 | 172900021A | 10736 |
| 54 9264598 RI ACF | 54 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.08 | 10 | 1 | 0 | 172900021A | 10736 |
| 55 9264740 RI ACF | 55 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 10 | 1 | 0 | 172900021A | 10736 |
| 56 9264740 ACF DF5 | 56 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 50 | 1 | 0 | 172900021A | 10736 |
| 57 9266678 RI ACF | 57 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 10 | 1 | 0 | 172900021A | 10736 |
| 58 AR1641724B | 58 | CCAL | NV | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 59 IBLKX1724B | 59 | PIBLK | WQ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 60 9266678 ACF DF5 | 60 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 50 | 1 | 0 | 172900021A | 10736 |
| 61 9266678 ACF DF10 | 61 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 100 | 1 | 0 | 172900021A | 10736 |
| 62 BLANKA 10/10/17 RI A | 62 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10 | 10 | 1 | 0 | 172830020A | 10225 |
| 63 LCSA 10/10/17 RI ACF | 63 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10 | 10 | 1 | 0 | 172830020A | 10225 |
| 64 AR1641724B | 64 | CCAL | NW | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 65 IBLKX1724B | 65 | PIBLK | WR | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 66 9229495 RI ACF DF500 | 66 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.04 | 5000 | 1 | 0 | 172830020A | 10225 |
| 67 9229496 RI ACF DF50 | 67 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.49 | 500 | 1 | 0 | 172830020A | 10225 |
| 68 9229497 RI ACF DF50 | 68 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.19 | 500 | 1 | 0 | 172830020A | 10225 |
| 69 9229498 RI ACF DF200 | 69 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.38 | 20000 | 1 | 0 | 172830020A | 10225 |
| 70 9229499 RI ACF DF500 | 70 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.1 | 5000 | 1 | 0 | 172830020A | 10225 |
| 71 9229500 RI ACF DF50 | 71 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.06 | 500 | 1 | 0 | 172830020A | 10225 |
| 72 9229501 RI ACF DF200 | 72 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.4 | 2000 | 1 | 0 | 172830020A | 10225 |
| 73 9229502 RI ACF DF200 | 73 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.37 | 2000 | 1 | 0 | 172830020A | 10225 |
| 74 9229503 RI ACF DF50 | 74 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.31 | 500 | 1 | 0 | 172830020A | 10225 |
| 75 9229504 RI ACF DF50 | 75 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.43 | 500 | 1 | 0 | 172830020A | 10225 |
| 76 9229509 RI ACF DF20 | 76 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.36 | 200 | 1 | 0 | 172830020A | 10225 |
| 77 9229510MS RI ACF DF2 | 77 | MS | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.22 | 200 | 1 | 0 | 172830020A | 10225 |
| 78 9229511MSD RI ACF DF | 78 | MSD | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.39 | 200 | 1 | 0 | 172830020A | 10225 |
| 79 9229512 RI ACF DF20 | 79 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.13 | 200 | 1 | 0 | 172830020A | 10225 |
| 80 AR1641724B | 80 | CCAL | NX | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729199999 | 10225 |
| 81 IBLKX1724B | 81 | PIBLK | WS | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729199999 | 10225 |
| 82 BLANKA 10/19/17 ACF | 82 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172920001A | 10592 |
| 83 LCSA 10/19/17 ACF | 83 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 172920001A | 10592 |
| 84 9270055 ACF DF50 | 84 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.09 | 500 | 1 | 0 | 172920001A | 10592 |
| 85 9270055MS ACF DF50 | 85 | MS | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.5 | 500 | 1 | 0 | 172920001A | 10592 |
| 86 9270055MSD ACF DF50 | 86 | MSD | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.5 | 500 | 1 | 0 | 172920001A | 10592 |
| 87 9270056 ACF DF50 | 87 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.21 | 500 | 1 | 0 | 172920001A | 10592 |
| 88 9270057 ACF | 88 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.14 | 10 | 1 | 0 | 172920001A | 10592 |
| 89 9270058 ACF | 89 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.36 | 10 | 1 | 0 | 172920001A | 10592 |
| 90 9270059 ACF DF50 | 90 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.38 | 500 | 1 | 0 | 172920001A | 10592 |
| 91 9270060 ACF | 91 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.41 | 10 | 1 | 0 | 172920001A | 10592 |
| 92 9270061 ACF DF1000 | 92 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.2 | 10000 | 1 | 0 | 172920001A | 10592 |
| 93 9272130 ACF DF50 | 93 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.47 | 500 | 1 | 0 | 172920001A | 10592 |
| 94 9272131 ACF DF50 | 94 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.07 | 500 | 1 | 0 | 172920001A | 10592 |
| 95 9272132 ACF DF50 | 95 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 500 | 1 | 0 | 172920001A | 10592 |
| 96 9272133 ACF DF5000 | 96 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.1 | 50000 | 1 | 0 | 172920001A | 10592 |
| 97 AR1641724B | 97 | CCAL | NZ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1729299999 | 10225 |
| 98 IBLKX1724B | 98 | PIBLK | WV | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1729299999 | 10225 |

LWR 10/20/17

Set-up by: 9006 Date: 10/20/17

10/20/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.517 | | 3253 | 2901 |
| 1.613 | | 7417 | 64507 |
| 1.736 | | 5882 | 4647 |
| 1.921 | | 1776 | 2265 |
| 2.055 | | 23002 | 47217 |
| 2.089 | | 10644 | 11516 |
| 2.234 | | 26633 | 17298 |
| 2.333 | | 34875 | 27869 |
| 2.431 | | 3516 | 2056 |
| 2.502 | | 21729 | 28917 |
| 2.543 | | 8769 | 6602 |
| 2.615 | | 4111 | 2554 |
| 2.679 | | 2007 | 1289 |
| 2.707 | | 2982 | 1410 |
| 2.786 | | 29314 | 28750 |
| 2.868 | | 21082 | 32536 |
| 2.902 | | 10050 | 13065 |
| 2.937 | TCX | 5371429 | 3509495 |
| 3.134 | | 77041 | 53397 |
| 3.265 | | 24097 | 19607 |
| 3.392 | | 2426 | 2008 |
| 3.574 | | 27716 | 18347 |
| 3.606 | | 11676 | 17704 |
| 3.677 | | 9672 | 10454 |
| 3.776 | | 2241 | 860 |
| 3.845 | | 1713 | 503 |
| 3.853 | | 1085 | 162 |
| 3.877 | | 1796 | 495 |
| 3.926 | | 14355 | 17427 |
| 4.014 | | 1293 | 404 |
| 4.147 | | 2635 | 1712 |
| 4.175 | | 9947 | 8015 |
| 4.259 | | 8165 | 10473 |
| 4.282 | | 9238 | 8413 |
| 4.377 | | 2087 | 1231 |
| 4.494 | | 1211 | 577 |
| 4.606 | | 9604 | 11476 |
| 4.835 | | 1503 | 583 |
| 4.876 | | 1481 | 680 |
| 4.902 | | 9979 | 26249 |
| 4.972 | | 4713 | 12014 |
| 5.057 | | 1705 | 580 |
| 5.256 | | 3740 | 15143 |
| 5.323 | | 8032 | 13466 |
| 5.428 | | 5410 | 6706 |
| 5.53 | | 2050 | 1926 |
| 5.574 | | 2588 | 979 |
| 5.596 | | 6901 | 10609 |
| 5.652 | | 21292 | 29352 |
| 5.696 | | 1258 | 739 |
| 5.733 | | 9746 | 10078 |
| 5.833 | | 2014 | 1368 |
| 5.949 | | 4319 | 3580 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.022 | | 49453 | 47908 |
| 6.085 | | 43694 | 43020 |
| 6.237 | | 529 | 2558 |
| 6.296 | | 1176 | 349 |
| 6.325 | | 1333 | 599 |
| 6.374 | | 1549 | 397 |
| 6.458 | | 47660 | 46207 |
| 6.495 | | 2501 | 1946 |
| 6.605 | DCB | 3855121 | 3995215 |
| 7.502 | | 1900 | 428 |
| 7.578 | | 1073 | 508 |
| 7.594 | | 1162 | 399 |
| 7.947 | | 1318 | 425 |
| 8.022 | | 1226 | 287 |
| 8.215 | | 1409 | 533 |
| 8.239 | | 1734 | 612 |
| 8.253 | | 1643 | 649 |
| 8.389 | | 1125 | 1201 |
| 8.425 | | 1235 | 528 |
| 8.442 | | 1541 | 751 |
| 8.546 | | 1641 | 841 |
| 8.576 | | 2058 | 1379 |

LANCASTER LABORATORIES

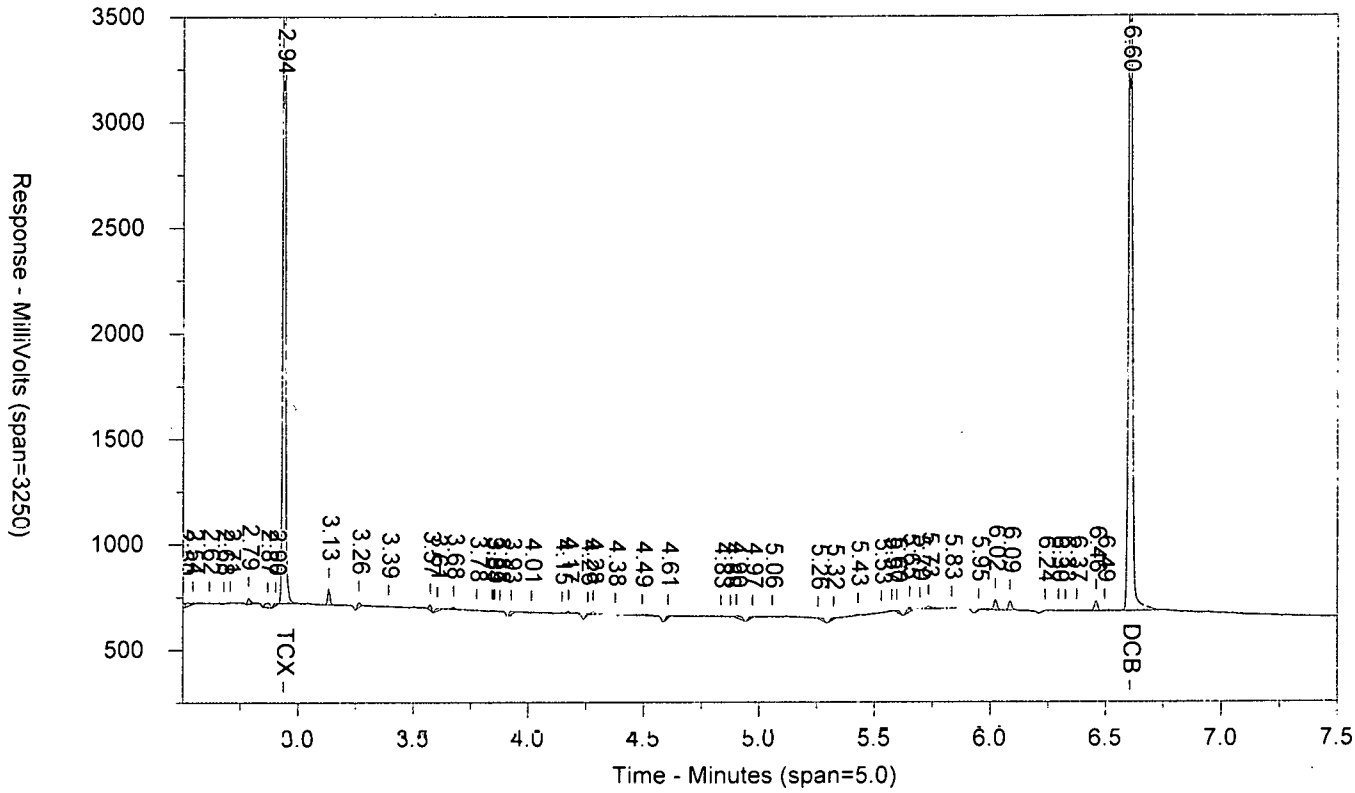
Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.53 | | 10796 | 8830 |
| 1.607 | | 3533 | 2620 |
| 1.683 | | 4424 | 5261 |
| 1.75 | | 1788 | 1156 |
| 1.799 | | 6579 | 6872 |
| 1.816 | | 6818 | 6402 |
| 1.901 | | 73708 | 54010 |
| 1.967 | | 12462 | 21908 |
| 2.029 | | 17183 | 12611 |
| 2.124 | | 9643 | 12191 |
| 2.159 | | 8082 | 13697 |
| 2.222 | | 6622 | 7818 |
| 2.3 | | 2276 | 1450 |
| 2.321 | | 7859 | 7891 |
| 2.388 | | 4280 | 3050 |
| 2.414 | | 6193 | 4340 |
| 2.508 | | 11327 | 15405 |
| 2.525 | | 46918 | 40047 |
| 2.591 | TCX | 7953808 | 4996216 |
| 2.691 | | 5154 | 3775 |
| 2.777 | | 6881 | 3604 |
| 2.809 | | 117063 | 78459 |
| 2.864 | | 6104 | 7427 |
| 2.925 | | 21825 | 12270 |
| 2.949 | | 3676 | 2288 |
| 3.033 | | 3691 | 2411 |
| 3.084 | | 6562 | 7025 |
| 3.113 | | 3860 | 3271 |
| 3.163 | | 2537 | 1261 |
| 3.194 | | 2830 | 2399 |
| 3.27 | | 34606 | 21584 |
| 3.306 | | 15737 | 14509 |
| 3.352 | | 9254 | 15046 |
| 3.428 | | 4535 | 4034 |
| 3.622 | | 4896 | 15558 |
| 3.694 | | 3622 | 2896 |
| 3.807 | | 9231 | 23563 |
| 3.871 | | 8605 | 18088 |
| 3.919 | | 14908 | 19332 |
| 3.995 | | 3862 | 4155 |
| 4.049 | | 15349 | 29666 |
| 4.116 | | 10550 | 28325 |
| 4.414 | | 5297 | 16110 |
| 4.555 | | 7076 | 7872 |
| 4.618 | | 1843 | 1075 |
| 4.639 | | 7453 | 5072 |
| 4.678 | | 4269 | 6171 |
| 4.988 | | 2081 | 5381 |
| 5.033 | | 2283 | 1859 |
| 5.155 | | 11334 | 9965 |
| 5.196 | | 5095 | 6674 |
| 5.293 | | 575 | 2886 |
| 5.318 | | 9136 | 7713 |
| 5.445 | | 1770 | 2529 |

| | | | |
|---|---|---|---|
| 5.499 | | 56596 | 49424 |
| 5.568 | | 53112 | 48549 |
| 5.926 | | 74508 | 65717 |
| 6.085 | DCB | 6985910 | 6863572 |
| 6.535 | | 5966 | 5299 |
| 6.634 | | 1392 | 1977 |
| 6.813 | | 2112 | 2596 |
| 8.162 | | 9671 | 17467 |
| 8.37 | | 4088 | 10035 |

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0005.RAW

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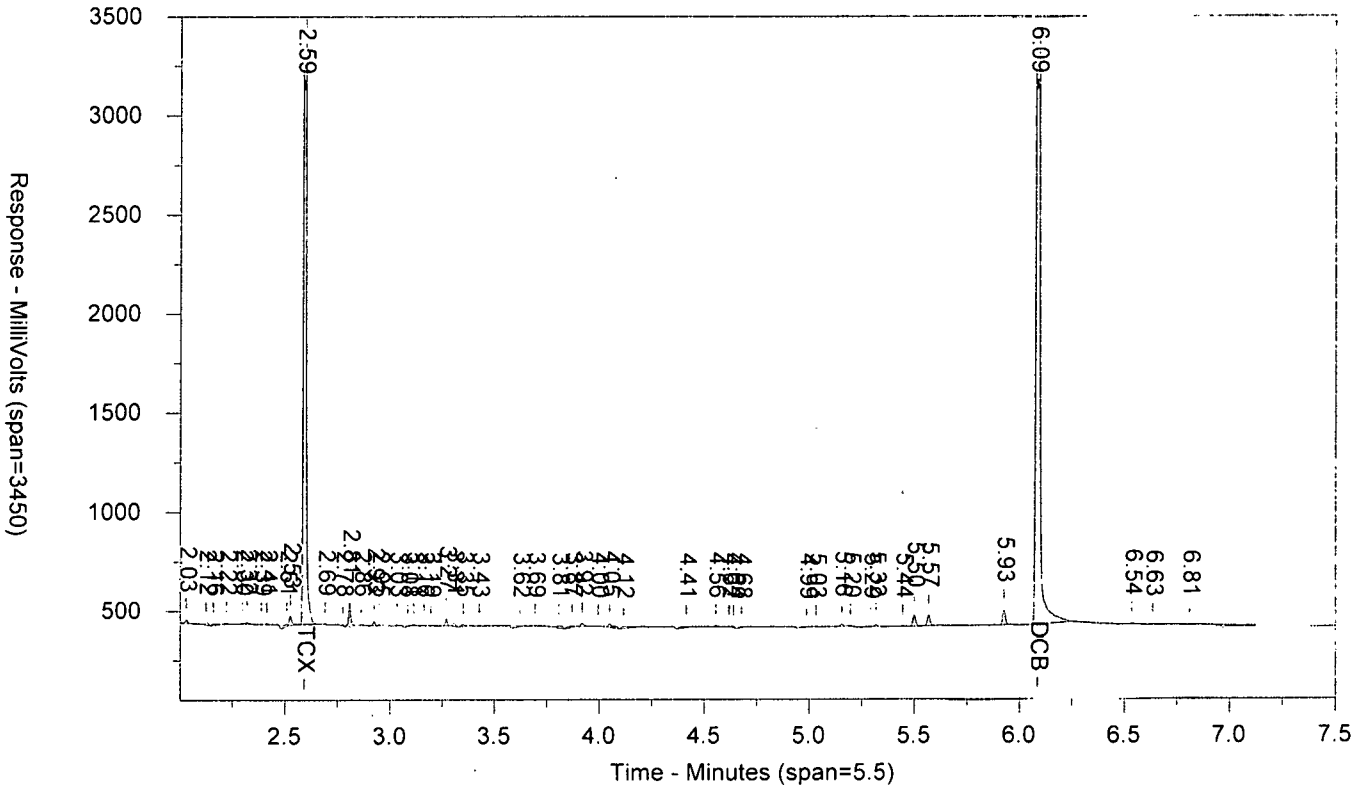

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5371429 | .196 | TCX | 2.591 | 7953808 | .192 | TCX |
| 6.605 | 3855121 | .191 | DCB | 6.085 | 6985910 | .185 | DCB |

Files:
Area File: 07PCBS17284001.0005.RAW
Area File: 07PCBS17284001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:05 PM
File Reported On: 10/12/2017 at 6:18:55 PM

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

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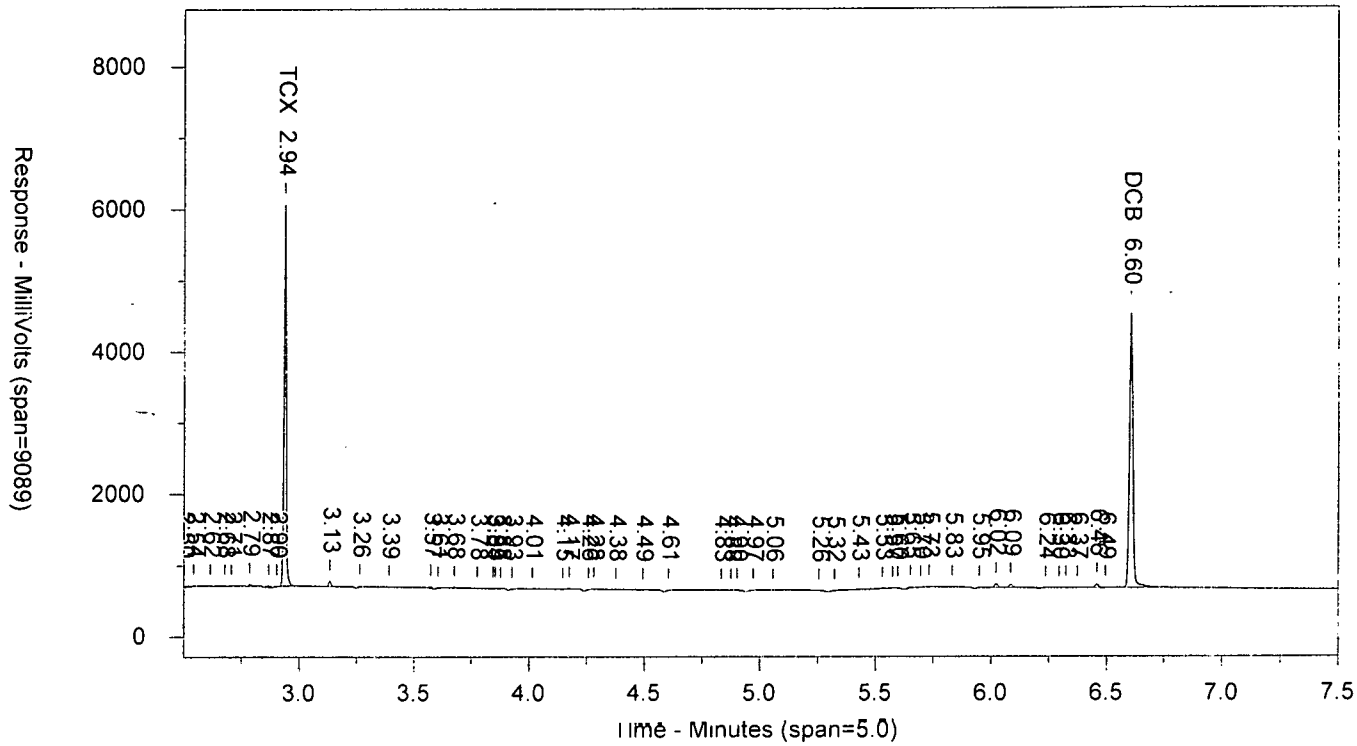


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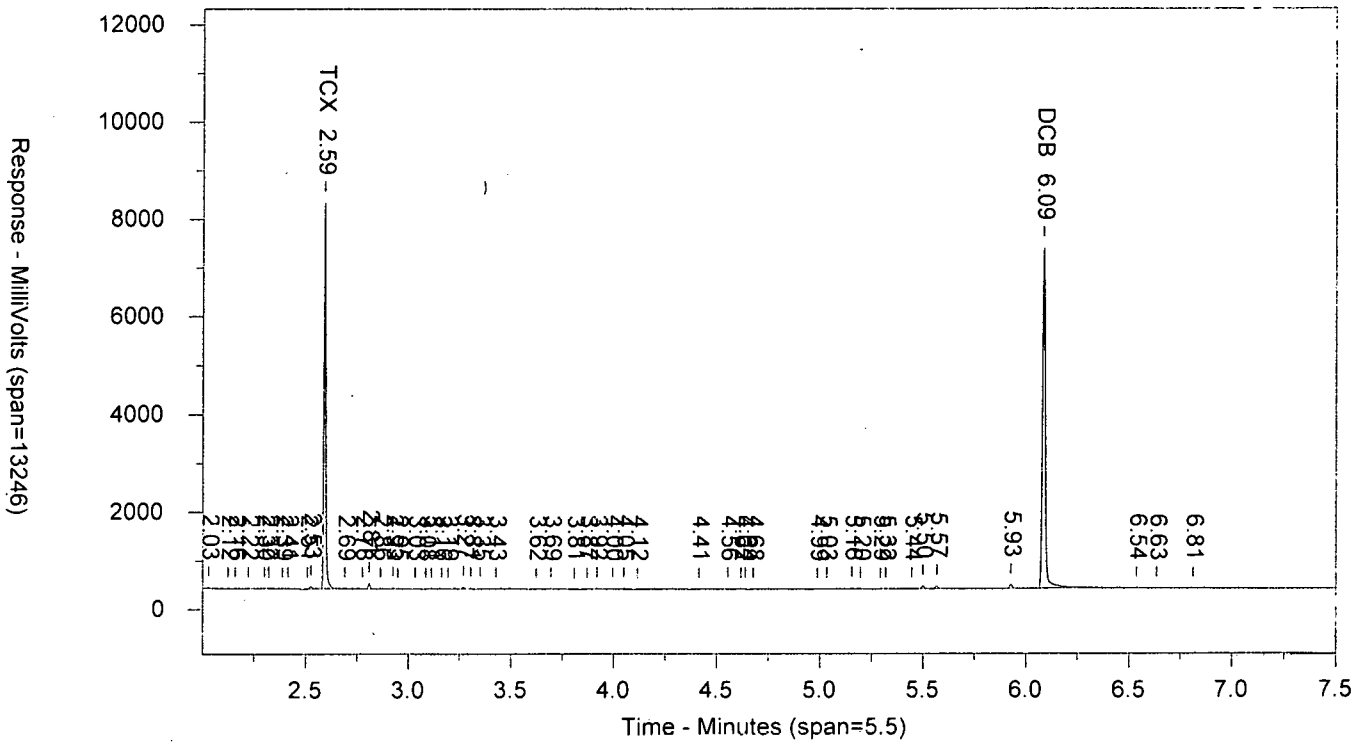

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

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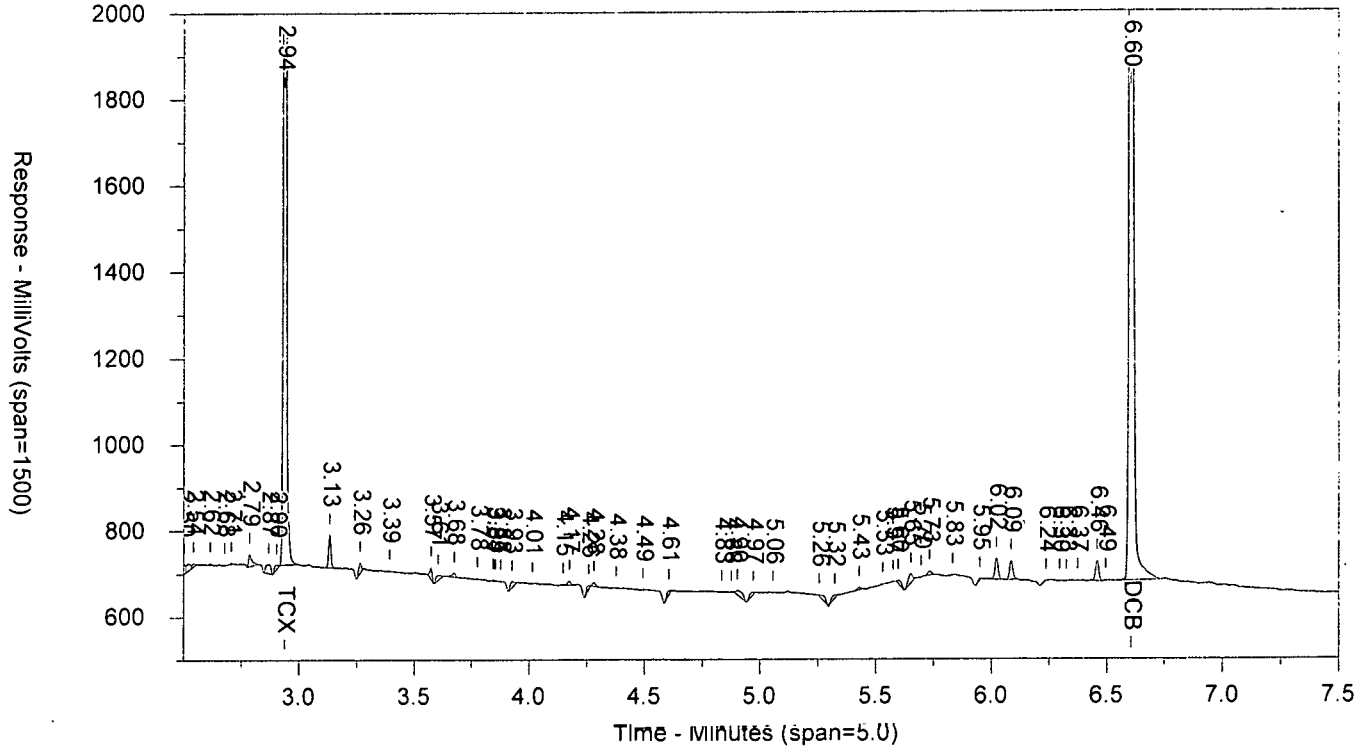


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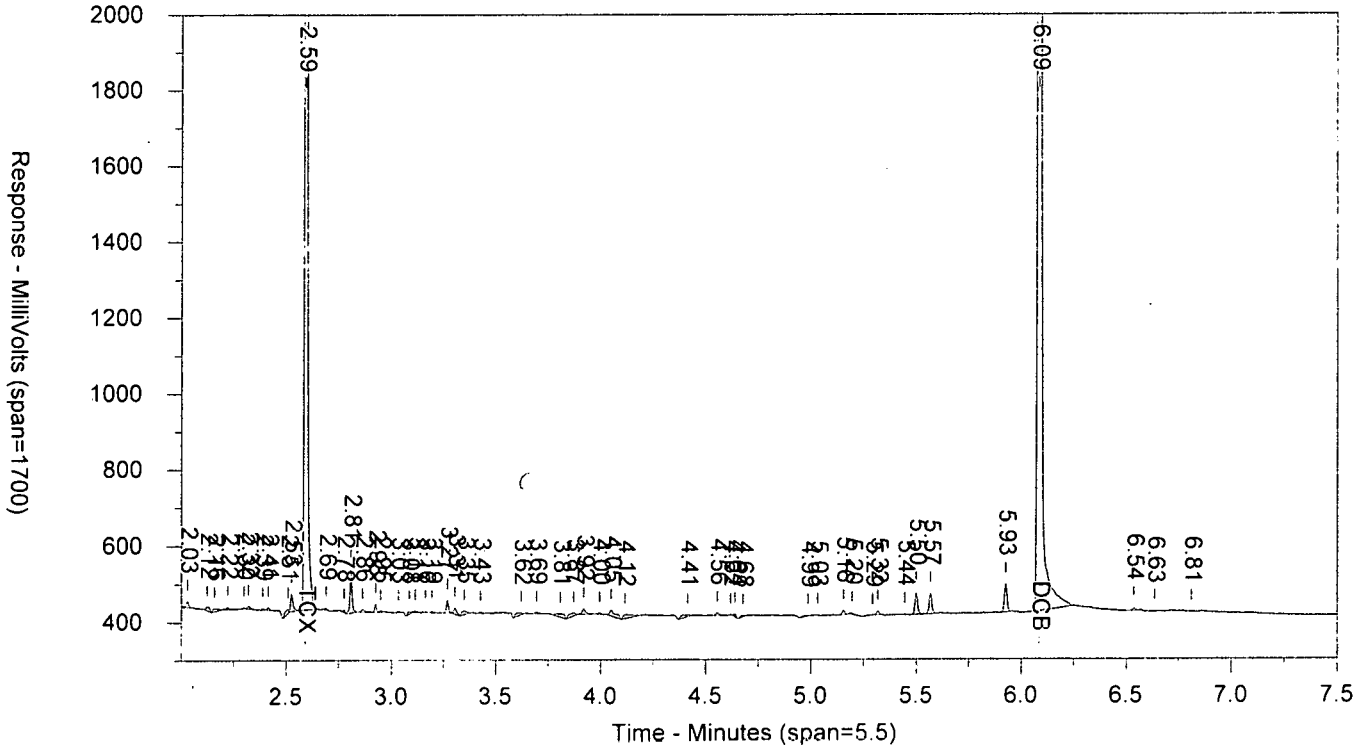


LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.58 | | 21411 | 21395 |
| 1.612 | | 5744 | 19249 |
| 1.912 | | 2376 | 4111 |
| 2.059 | | 23007 | 42448 |
| 2.09 | | 25171 | 31662 |
| 2.134 | | 28675 | 36381 |
| 2.175 | | 6830 | 12505 |
| 2.234 | | 24998 | 17342 |
| 2.341 | | 52053 | 57257 |
| 2.512 | | 81346 | 85678 |
| 2.548 | | 13821 | 19299 |
| 2.592 | | 4399 | 4095 |
| 2.682 | | 2546 | 1452 |
| 2.761 | | 1905 | 1263 |
| 2.785 | | 24279 | 23323 |
| 2.827 | | 1885 | 1145 |
| 2.86 | | 3530 | 2238 |
| 2.911 | | 4695 | 9833 |
| 2.937 | TCX | 5099115 | 3474106 |
| 3.022 | | 3648 | 2305 |
| 3.134 | | 75256 | 51476 |
| 3.215 | | 3730201 | 2282871 |
| 3.264 | | 23359 | 20856 |
| 3.412 | | 2036601 | 1856041 |
| 3.448 | | 8846 | 5756 |
| 3.501 | | 2339 | 2050 |
| 3.524 | | 1355101 | 855493 |
| 3.573 | | 15922 | 10180 |
| 3.598 | | 11737 | 15249 |
| 3.676 | | 19934 | 16022 |
| 3.698 | | 72654 | 49663 |
| 3.723 | | 9972 | 5641 |
| 3.817 | | 134760 | 105445 |
| 3.847 | | 3417 | 1832 |
| 3.857 | | 4305 | 2308 |
| 3.89 | | 1343 | 255 |
| 3.928 | | 9571 | 10966 |
| 3.946 | | 1004 | 686 |
| 3.988 | | 1528 | 526 |
| 4.026 | | 1360 | 733 |
| 4.053 | | 6544 | 3970 |
| 4.086 | | 33090 | 25086 |
| 4.135 | | 4842 | 4211 |
| 4.172 | | 67077 | 52860 |
| 4.207 | | 56160 | 37018 |
| 4.224 | | 27949 | 18452 |
| 4.255 | | 5301 | 4279 |
| 4.283 | | 11244 | 16725 |
| 4.348 | | 6468 | 6594 |
| 4.384 | | 463546 | 401848 |
| 4.467 | | 9708 | 7279 |
| 4.51 | | 19006 | 23758 |
| 4.534 | | 9572 | 5688 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.548 | | 4022 | 1851 |
| 4.576 | | 102429 | 82332 |
| 4.605 | | 2970 | 1939 |
| 4.622 | | 1606 | 469 |
| 4.648 | | 15142 | 13222 |
| 4.701 | | 379538 | 381695 |
| 4.772 | | 2298 | 738 |
| 4.802 | | 337803 | 314916 |
| 4.84 | | 7407456 | 6346968 |
| 4.865 | | 96602 | 58259 |
| 4.944 | | 735054 | 682435 |
| 5.002 | | 2242 | 570 |
| 5.032 | | 55014 | 66608 |
| 5.095 | | 546994 | 516851 |
| 5.181 | | 8092543 | 7531539 |
| 5.258 | | 38468 | 51510 |
| 5.319 | | 6961 | 8883 |
| 5.401 | | 300059 | 284470 |
| 5.428 | | 6826 | 2624 |
| 5.467 | | 7517 | 2956 |
| 5.491 | | 19397 | 16390 |
| 5.542 | | 9584044 | 9328550 |
| 5.584 | | 204602 | 149598 |
| 5.623 | | 1525407 | 1489009 |
| 5.946 | | 4931 | 3859 |
| 6.022 | | 50398 | 48188 |
| 6.086 | | 42935 | 40232 |
| 6.155 | | 2116 | 2254 |
| 6.229 | | 2380 | 1735 |
| 6.253 | | 1696 | 811 |
| 6.338 | | 1946 | 1833 |
| 6.419 | | 1973 | 490 |
| 6.457 | | 49386 | 47374 |
| 6.495 | | 1833 | 911 |
| 6.513 | | 1273 | 484 |
| 6.562 | | 2235 | 633 |
| 6.604 | DCB | 4072278 | 4111956 |
| 6.854 | | 1204 | 414 |
| 6.996 | | 1986 | 1384 |
| 7.208 | | 1904 | 1080 |
| 7.341 | | 1552 | 665 |
| 7.429 | | 2169 | 597 |
| 7.52 | | 1184 | 519 |
| 7.578 | | 1380 | 299 |
| 7.592 | | 1425 | 663 |
| 7.61 | | 1145 | 342 |
| 7.659 | | 1622 | 435 |
| 7.72 | | 1501 | 909 |
| 7.765 | | 2140 | 852 |
| 7.876 | | 1424 | 525 |
| 7.917 | | 2071 | 1107 |
| 8.037 | | 1764 | 303 |
| 8.078 | | 1257 | 539 |
| 8.096 | | 1387 | 1102 |
| 8.129 | | 1572 | 1237 |
| 8.319 | | 2113 | 796 |
| 8.367 | | 1958 | 561 |
| 8.401 | | 1426 | 342 |
| 8.462 | | 1196 | 648 |
| 8.525 | | 2027 | 1105 |
| 8.545 | | 1725 | 1478 |
| 8.601 | | 1156 | 598 |
| 8.65 | | 1550 | 551 |

LANCASTER LABORATORIES

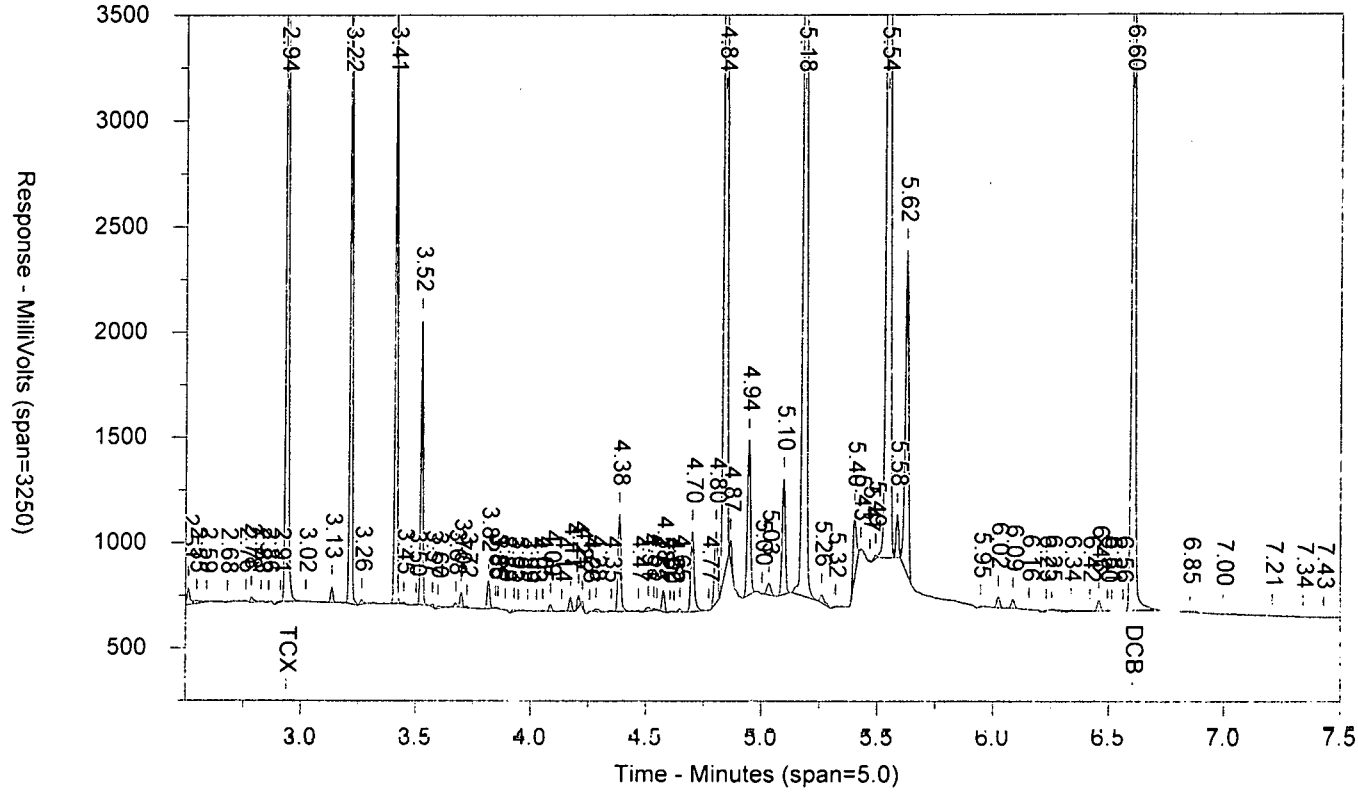
Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 3560 | 3151 |
| 1.7 | | 18410 | 24753 |
| 1.765 | | 12073 | 29357 |
| 1.793 | | 4090 | 2291 |
| 1.868 | | 15860 | 9809 |
| 1.9 | | 86639 | 70905 |
| 1.968 | | 7503 | 14399 |
| 2.03 | | 14018 | 9041 |
| 2.13 | | 66248 | 40381 |
| 2.163 | | 4419 | 4834 |
| 2.182 | | 8696 | 5278 |
| 2.223 | | 4280 | 2307 |
| 2.244 | | 2522 | 1954 |
| 2.297 | | 107320 | 64376 |
| 2.387 | | 4351 | 3606 |
| 2.507 | | 6902 | 9851 |
| 2.526 | | 44853 | 32545 |
| 2.591 | TCX | 7425145 | 4772033 |
| 2.681 | | 7687 | 7612 |
| 2.777 | | 4160 | 2245 |
| 2.809 | | 108340 | 73323 |
| 2.866 | | 4909 | 5587 |
| 2.938 | | 5389661 | 3003015 |
| 3.058 | | 8823 | 5886 |
| 3.093 | | 15160 | 18178 |
| 3.148 | | 4393516 | 2511497 |
| 3.221 | | 4958 | 3368 |
| 3.247 | | 9320 | 5749 |
| 3.269 | | 17743 | 10340 |
| 3.306 | | 23317 | 12684 |
| 3.329 | | 1677322 | 1015250 |
| 3.389 | | 4653 | 2496 |
| 3.411 | | 3040 | 1503 |
| 3.43 | | 13324 | 6897 |
| 3.451 | | 236890 | 177919 |
| 3.482 | | 3843 | 2002 |
| 3.525 | | 18897 | 11939 |
| 3.543 | | 4666 | 2101 |
| 3.571 | | 8959 | 8585 |
| 3.604 | | 5458 | 6754 |
| 3.626 | | 4649 | 3304 |
| 3.693 | | 3687 | 2537 |
| 3.738 | | 64282 | 37370 |
| 3.756 | | 22845 | 14866 |
| 3.791 | | 4607 | 2845 |
| 3.817 | | 90760 | 60483 |
| 3.838 | | 38415 | 22148 |
| 3.871 | | 10291 | 9857 |
| 3.918 | | 14345 | 13342 |
| 3.971 | | 542622 | 377049 |
| 3.998 | | 5968 | 3650 |
| 4.045 | | 25566 | 23394 |
| 4.101 | | 4226 | 1869 |
| 4.125 | | 115338 | 89714 |

| | | | |
|---|---|---|---|
| 4.17 | | 27352 | 18620 |
| 4.214 | | 21168 | 16447 |
| 4.233 | | 7449 | 3957 |
| 4.275 | | 3507 | 2609 |
| 4.345 | | 453825 | 366158 |
| 4.399 | | 10277000 | 8042698 |
| 4.441 | | 66060 | 48539 |
| 4.495 | | 1724946 | 1317339 |
| 4.535 | | 32759 | 27750 |
| 4.607 | | 65543 | 54137 |
| 4.633 | | 30018 | 19964 |
| 4.673 | | 18796970 | 14711320 |
| 4.73 | | 847456 | 661374 |
| 4.846 | | 51831 | 51123 |
| 4.882 | | 11030 | 16762 |
| 4.97 | | 5678 | 4414 |
| 5 | | 588390 | 818077 |
| 5.104 | | 19352590 | 17037500 |
| 5.16 | | 111109 | 100077 |
| 5.277 | | 2917108 | 2523249 |
| 5.331 | | 130079 | 104871 |
| 5.499 | | 53971 | 46989 |
| 5.568 | | 48309 | 43552 |
| 5.926 | | 84387 | 71767 |
| 6.084 | DCB | 7518244 | 7171337 |
| 6.362 | | 1615 | 1263 |
| 6.538 | | 5599 | 4835 |
| 6.772 | | 7771 | 10313 |
| 7.436 | | 1186 | 14220 |
| 7.586 | | 2761 | 5023 |
| 8.166 | | 9059 | 16547 |

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0006.RAW

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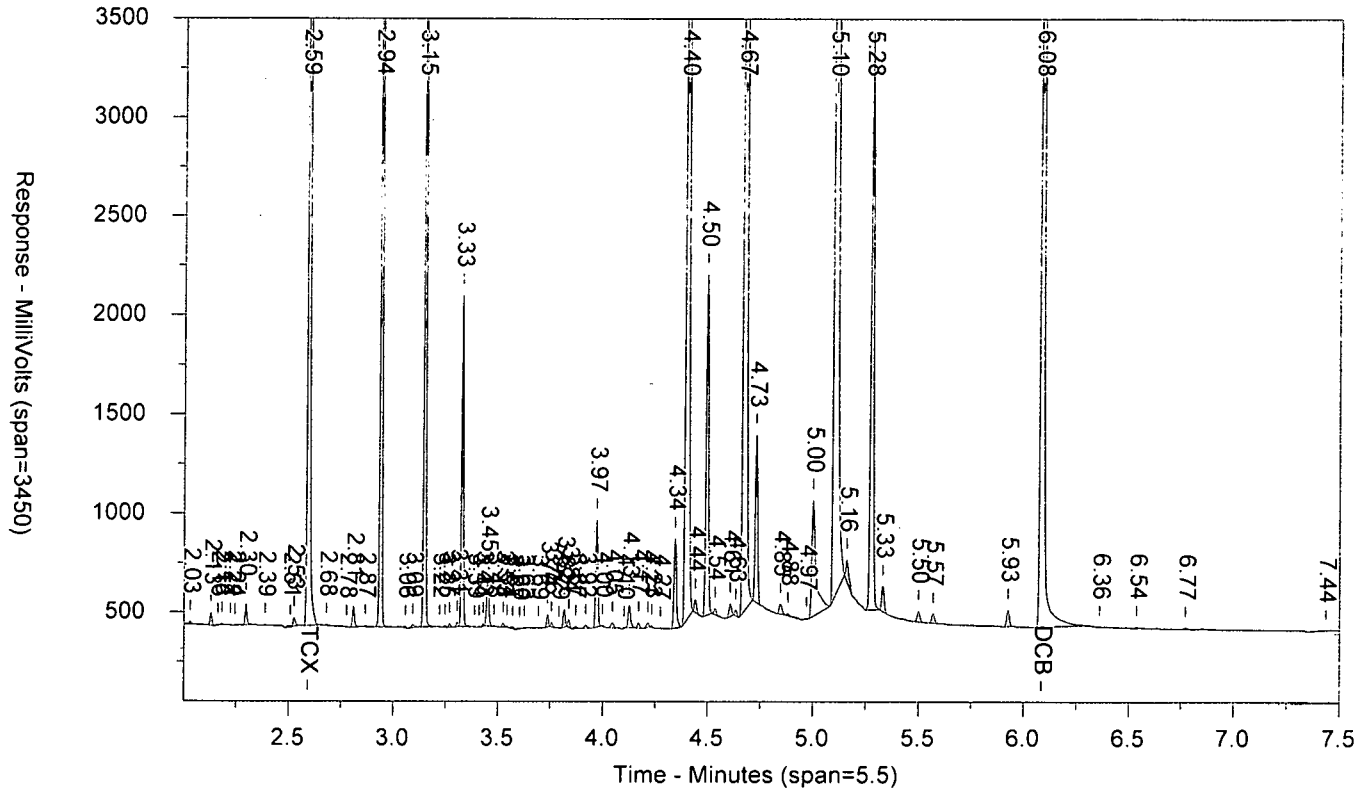

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5099115 | 18.602 | TCX | 2.591 | 7425145 | 17.912 | TCX |
| 6.604 | 4072278 | 20.181 | DCB | 6.084 | 7518244 | 19.86 | DCB |

Files:
Area File: 07PCBS17284001.0006.RAW
Area File: 07PCBS17284001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:06 PM
File Reported On: 10/12/2017 at 6:19:09 PM

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

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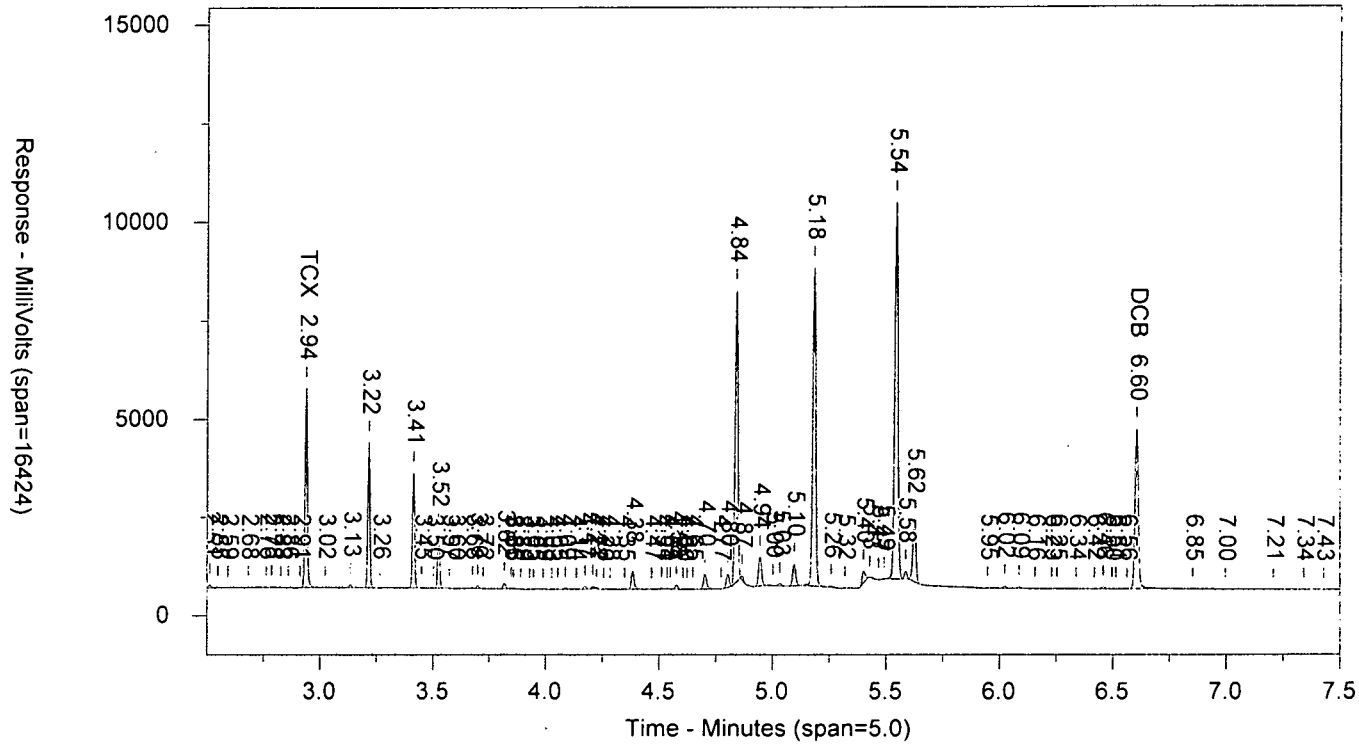


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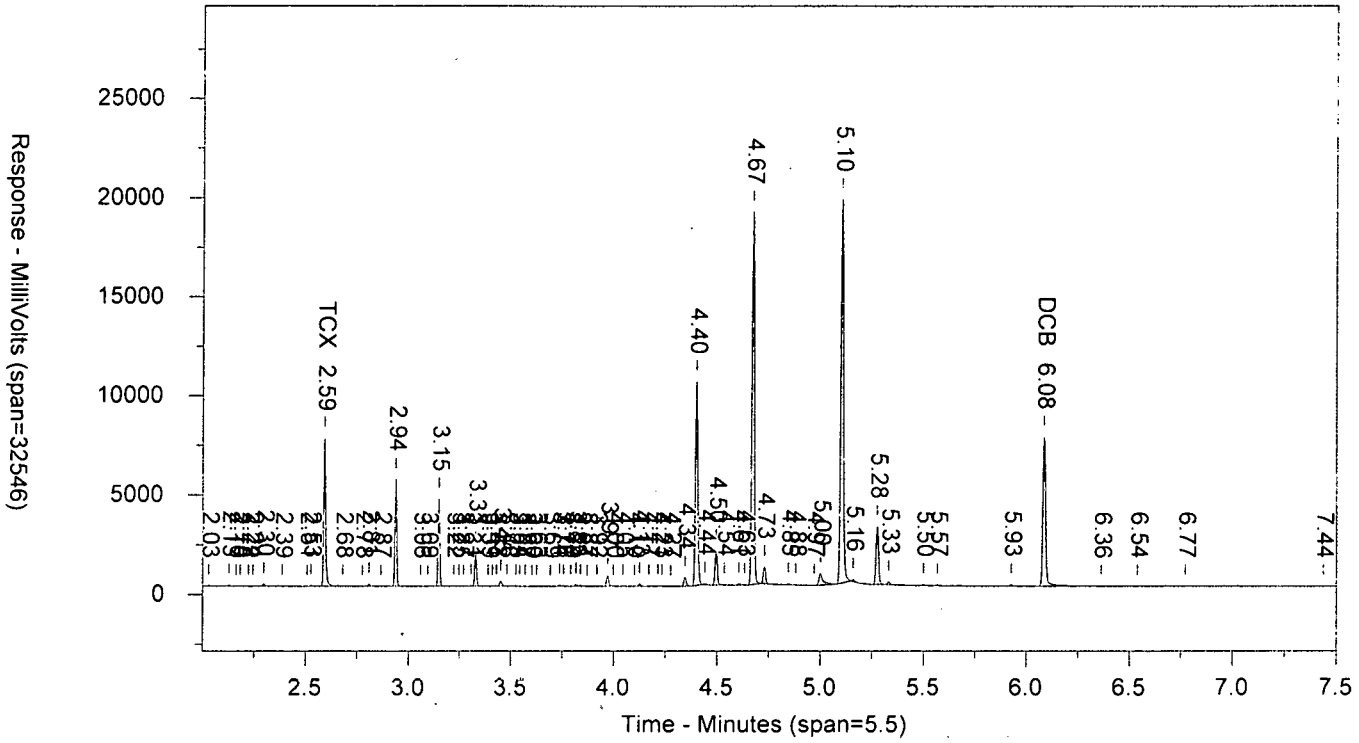

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

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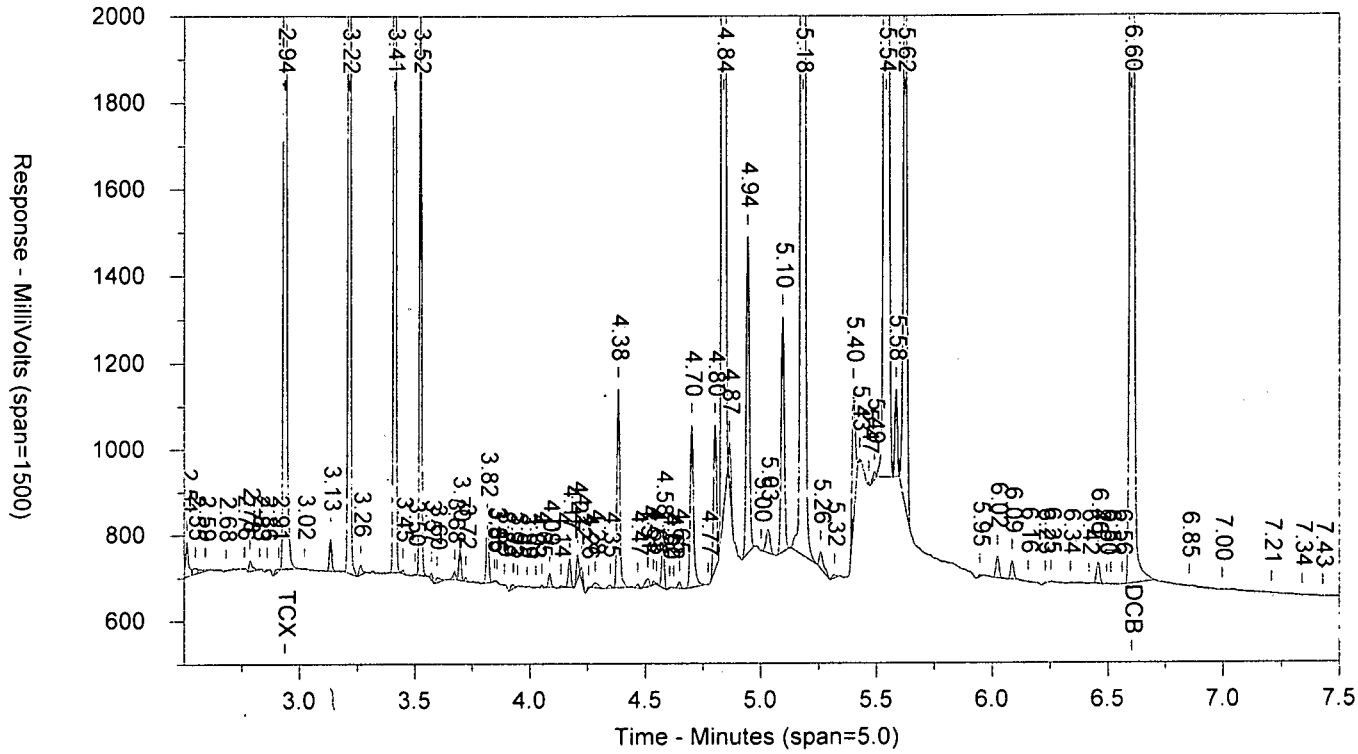


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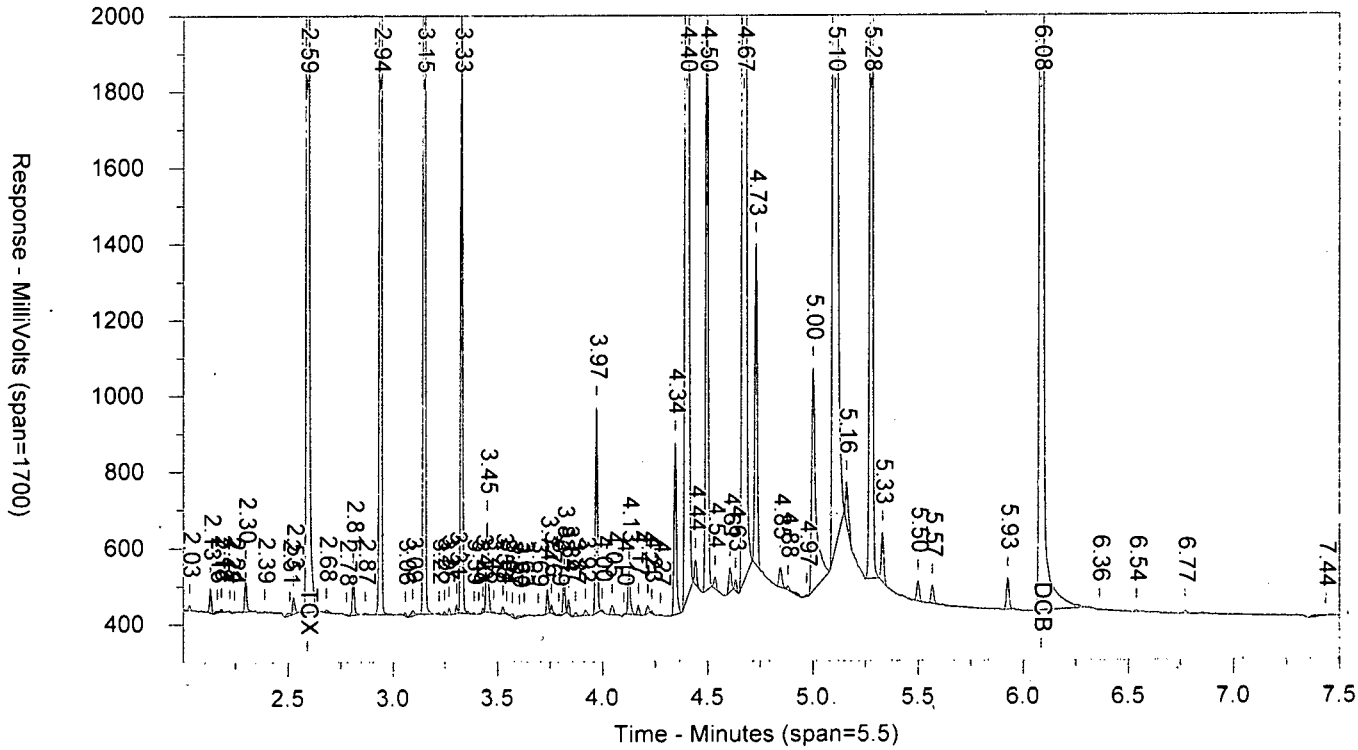


LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.521 | | 3356 | 2481 |
| 1.631 | | 8409 | 99049 |
| 1.916 | | 2654 | 1681 |
| 2.063 | | 29776 | 77743 |
| 2.092 | | 27082 | 30511 |
| 2.132 | | 15942 | 24743 |
| 2.174 | | 4690 | 8801 |
| 2.237 | | 2708 | 1307 |
| 2.333 | | 40355 | 27640 |
| 2.396 | | 2632 | 1080 |
| 2.526 | | 4888 | 31113 |
| 2.596 | | 2685 | 1501 |
| 2.711 | | 2523 | 4927 |
| 2.786 | | 25482 | 19481 |
| 2.857 | | 3088 | 1766 |
| 2.905 | | 9875 | 14492 |
| 2.937 | TCX | 573764 | 394923 |
| 3.085 | | 21889 | 18918 |
| 3.142 | | 29532 | 23429 |
| 3.189 | | 145174 | 98485 |
| 3.263 | | 7899 | 6106 |
| 3.282 | | 18236 | 12254 |
| 3.403 | | 151488 | 88612 |
| 3.42 | | 70374 | 37457 |
| 3.457 | | 17005 | 10263 |
| 3.472 | | 2486 | 866 |
| 3.484 | | 10405 | 4999 |
| 3.517 | | 179441 | 129828 |
| 3.599 | | 7384 | 7395 |
| 3.626 | | 42832 | 23894 |
| 3.641 | | 23428 | 11364 |
| 3.684 | | 102106 | 51283 |
| 3.695 | | 170756 | 88716 |
| 3.731 | | 216713 | 163065 |
| 3.79 | | 185952 | 142439 |
| 3.831 | | 13984 | 9061 |
| 3.859 | | 135415 | 96188 |
| 3.886 | | 102478 | 85874 |
| 3.907 | | 14829 | 7137 |
| 3.925 | | 1757 | 422 |
| 3.981 | | 150267 | 104710 |
| 4.005 | | 54808 | 35033 |
| 4.037 | | 58453 | 40870 |
| 4.07 | | 162380 | 148179 |
| 4.11 | | 48556 | 36412 |
| 4.156 | | 4470 | 2783 |
| 4.172 | | 6153 | 3559 |
| 4.196 | | 8293 | 5295 |
| 4.23 | | 151353 | 112100 |
| 4.25 | | 44376 | 24421 |
| 4.272 | | 50092 | 40862 |
| 4.342 | | 24472 | 18559 |
| 4.384 | | 170319 | 162715 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.417 | | 5071 | 3340 |
| 4.523 | | 11800 | 11938 |
| 4.571 | | 28511 | 17778 |
| 4.59 | | 40023 | 27770 |
| 4.633 | | 107896 | 93709 |
| 4.682 | | 172071 | 186827 |
| 4.719 | | 36971 | 25431 |
| 4.758 | | 339152 | 315441 |
| 4.8 | | 1727 | 465 |
| 4.845 | | 47226 | 49557 |
| 4.877 | | 1732 | 722 |
| 4.905 | | 65484 | 67703 |
| 4.957 | | 341426 | 420891 |
| 5.008 | | 68790 | 61775 |
| 5.048 | | 148008 | 168113 |
| 5.128 | | 31186 | 34336 |
| 5.162 | | 382604 | 358257 |
| 5.185 | | 18834 | 8341 |
| 5.228 | | 256844 | 235558 |
| 5.27 | | 156895 | 153559 |
| 5.328 | | 2235 | 7970 |
| 5.365 | | 53070 | 42643 |
| 5.39 | | 221812 | 208359 |
| 5.447 | | 133983 | 118738 |
| 5.487 | | 77329 | 77189 |
| 5.53 | | 14375 | 13984 |
| 5.57 | | 101338 | 116555 |
| 5.627 | | 659747 | 806340 |
| 5.832 | | 475388 | 472511 |
| 5.864 | | 19106 | 15096 |
| 5.887 | | 123010 | 137269 |
| 5.952 | | 4360 | 5065 |
| 6.023 | | 16533 | 16448 |
| 6.101 | | 92334 | 117446 |
| 6.257 | | 175789 | 188533 |
| 6.3 | | 8305 | 7397 |
| 6.458 | | 41426 | 43243 |
| 6.498 | | 1895 | 1574 |
| 6.603 | DCB | 446378 | 479052 |
| 6.747 | | 2444 | 2324 |
| 6.879 | | 1666 | 720 |
| 6.994 | | 1379 | 835 |
| 7.11 | | 1804 | 807 |
| 7.187 | | 1676 | 1485 |
| 7.365 | | 1210 | 398 |
| 7.403 | | 1600 | 950 |
| 7.593 | | 1613 | 2101 |
| 7.605 | | 1581 | 840 |
| 7.635 | | 1493 | 700 |
| 7.965 | | 2016 | 933 |
| 7.979 | | 2056 | 500 |
| 8.043 | | 2058 | 878 |
| 8.166 | | 1848 | 401 |
| 8.19 | | 2579 | 721 |
| 8.418 | | 1189 | 437 |
| 8.525 | | 1619 | 388 |
| 8.573 | | 1881 | 1701 |
| 8.662 | | 1728 | 1028 |

LANCASTER LABORATORIES

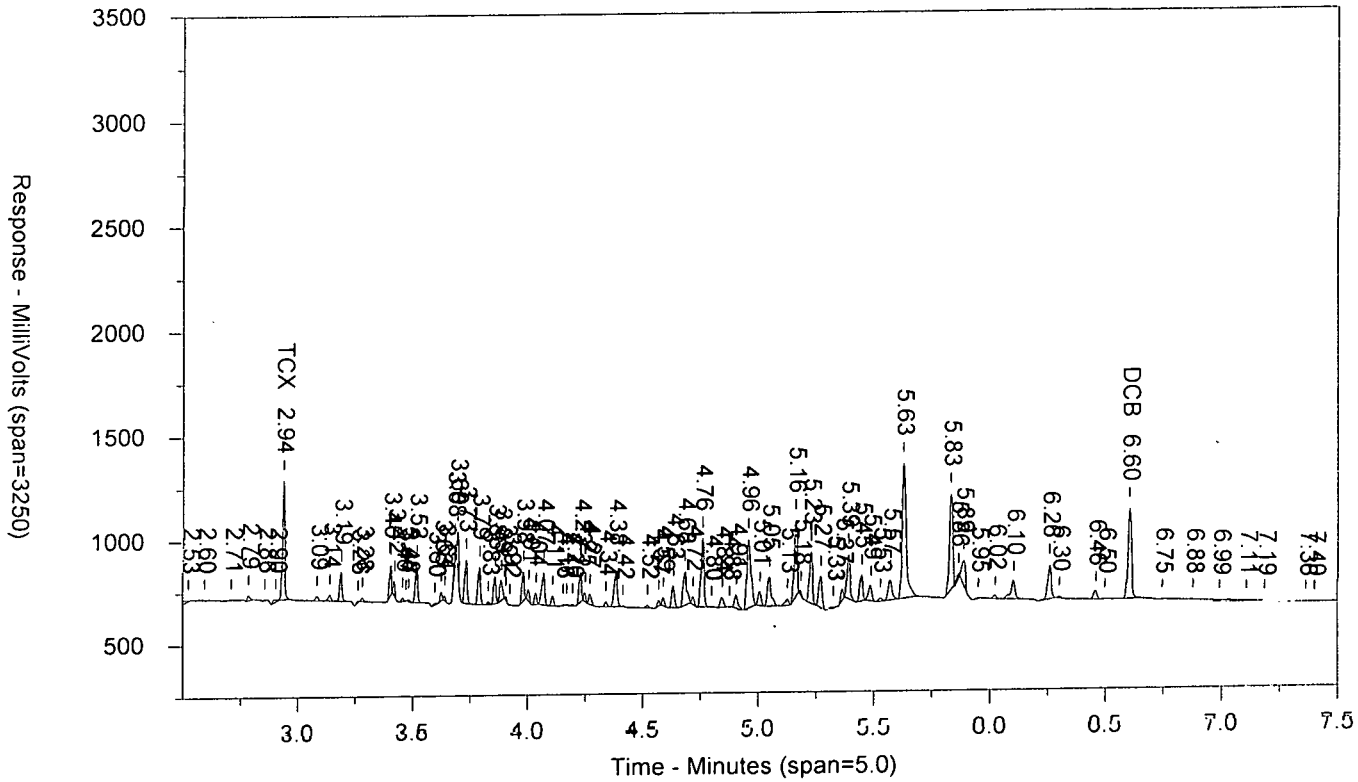
Sample Number: AR1611724B AAAR161AA` ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 6929 | 7820 |
| 1.608 | | 2089 | 1561 |
| 1.684 | | 4675 | 9943 |
| 1.723 | | 3403 | 1873 |
| 1.767 | | 7102 | 14366 |
| 1.794 | | 6748 | 5598 |
| 1.816 | | 3845 | 3707 |
| 1.899 | | 65979 | 45614 |
| 1.967 | | 9700 | 18511 |
| 2.028 | | 5094 | 7068 |
| 2.132 | | 9984 | 8960 |
| 2.157 | | 6123 | 5892 |
| 2.183 | | 1918 | 1224 |
| 2.246 | | 1468 | 1372 |
| 2.278 | | 1900 | 1337 |
| 2.296 | | 2546 | 2009 |
| 2.387 | | 4500 | 3338 |
| 2.507 | | 6967 | 8991 |
| 2.526 | | 44080 | 39143 |
| 2.591 | TCX | 832096 | 530956 |
| 2.635 | | 15556 | 9747 |
| 2.689 | | 3320 | 2705 |
| 2.763 | | 39586 | 30283 |
| 2.809 | | 8671 | 5428 |
| 2.824 | | 40584 | 23246 |
| 2.876 | | 209776 | 136948 |
| 2.927 | | 3038 | 1703 |
| 2.987 | | 27246 | 17232 |
| 3.031 | | 3896 | 10830 |
| 3.084 | | 280270 | 279947 |
| 3.134 | | 30411 | 17010 |
| 3.156 | | 11695 | 8416 |
| 3.182 | | 19234 | 10432 |
| 3.205 | | 264560 | 173432 |
| 3.242 | | 9149 | 5821 |
| 3.27 | | 3231 | 1508 |
| 3.289 | | 66637 | 34358 |
| 3.304 | | 49200 | 23957 |
| 3.354 | | 115491 | 60694 |
| 3.363 | | 253572 | 106504 |
| 3.383 | | 11062 | 3651 |
| 3.397 | | 260886 | 173343 |
| 3.471 | | 270172 | 169400 |
| 3.506 | | 200184 | 128376 |
| 3.53 | | 215530 | 118238 |
| 3.547 | | 68573 | 33880 |
| 3.597 | | 3602 | 2592 |
| 3.632 | | 242856 | 156526 |
| 3.654 | | 90224 | 49237 |
| 3.675 | | 85018 | 49490 |
| 3.704 | | 53901 | 27536 |
| 3.721 | | 194583 | 117853 |
| 3.762 | | 70703 | 49331 |
| 3.81 | | 7379 | 6412 |

| | | | |
|---|---|---|---|
| 3.832 | | 44441 | 25640 |
| 3.854 | | 259546 | 170597 |
| 3.878 | | 51142 | 29232 |
| 3.897 | | 7395 | 3310 |
| 3.918 | | 44451 | 28878 |
| 3.952 | | 214477 | 147724 |
| 3.986 | | 6425 | 3874 |
| 4 | | 15589 | 9160 |
| 4.049 | | 12985 | 12661 |
| 4.096 | | 3949 | 1919 |
| 4.152 | | 56988 | 39690 |
| 4.194 | | 69479 | 40613 |
| 4.212 | | 45575 | 23707 |
| 4.226 | | 159972 | 89924 |
| 4.252 | | 87959 | 87876 |
| 4.303 | | 482867 | 368072 |
| 4.351 | | 7330 | 4783 |
| 4.373 | | 37175 | 22351 |
| 4.397 | | 108277 | 82108 |
| 4.44 | | 573808 | 465698 |
| 4.541 | | 425736 | 441397 |
| 4.594 | | 57701 | 45847 |
| 4.632 | | 134649 | 118401 |
| 4.669 | | 511844 | 445260 |
| 4.701 | | 302276 | 222811 |
| 4.739 | | 204586 | 163912 |
| 4.838 | | 71423 | 70429 |
| 4.888 | | 366522 | 293789 |
| 4.911 | | 38237 | 23855 |
| 4.962 | | 202874 | 180870 |
| 4.997 | | 97447 | 81306 |
| 5.028 | | 78058 | 61256 |
| 5.06 | | 22212 | 13253 |
| 5.083 | | 807872 | 708979 |
| 5.124 | | 11927 | 7696 |
| 5.154 | | 31463 | 24806 |
| 5.276 | | 9435 | 6526 |
| 5.298 | | 195823 | 169048 |
| 5.344 | | 543507 | 661470 |
| 5.499 | | 19074 | 16607 |
| 5.546 | | 12722 | 9210 |
| 5.567 | | 11645 | 8214 |
| 5.617 | | 112947 | 99315 |
| 5.726 | | 233109 | 216275 |
| 5.757 | | 11475 | 7480 |
| 5.926 | | 75903 | 72092 |
| 6.084 | DCB | 864064 | 821838 |
| 8.163 | | 10889 | 23746 |

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0007.RAW

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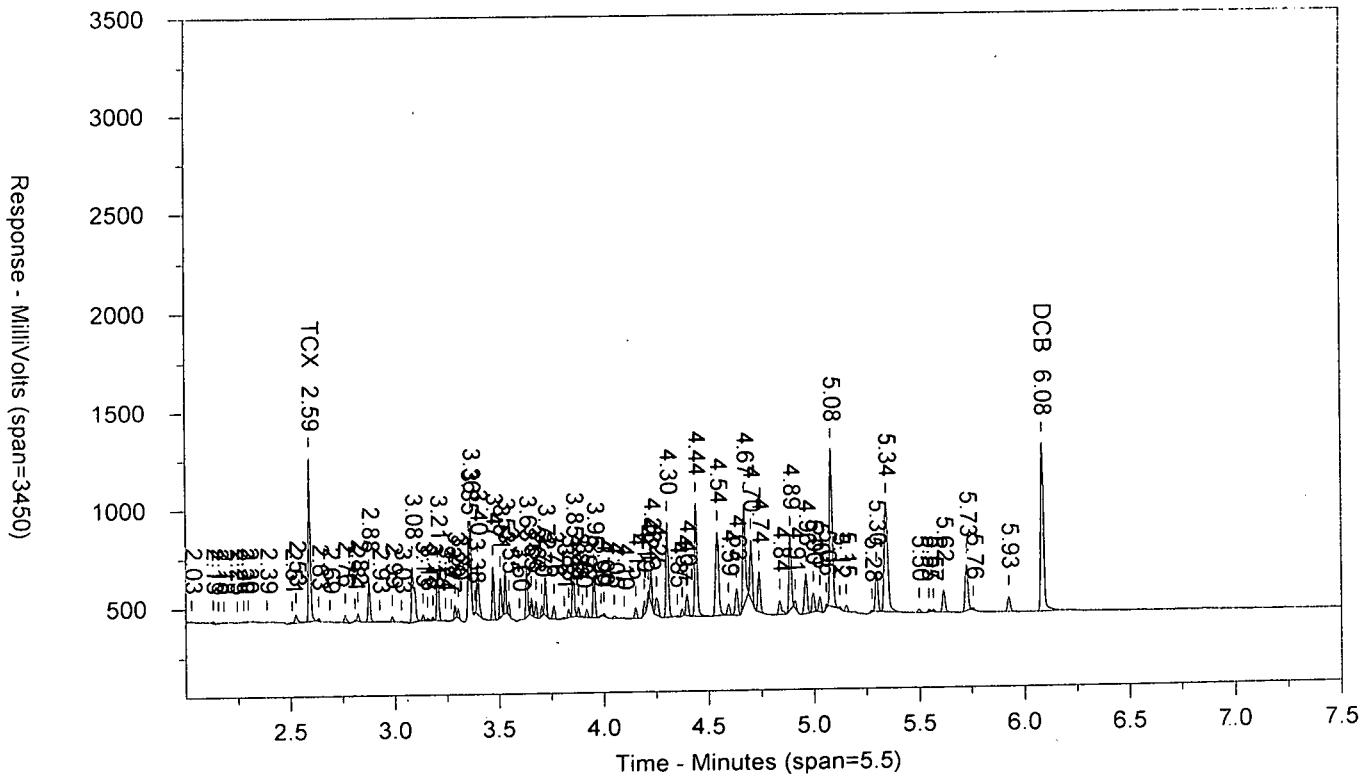


LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

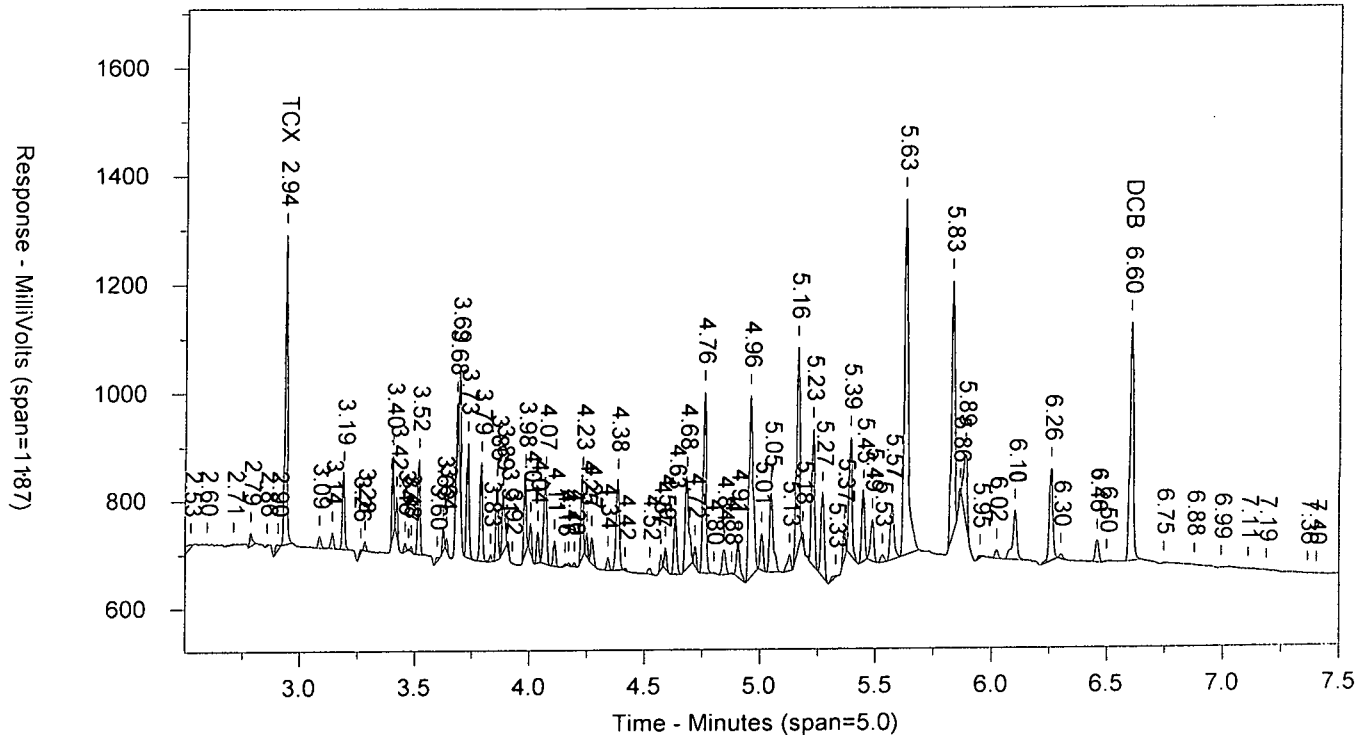
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 573764 | 2.037 | TCX | 2.591 | 832096 | 2.606 | TCX |
| 6.603 | 446378 | 2.329 | DCB | 6.084 | 864064 | 2.752 | DCB |

Files:
Area File: 07PCBS17284001.0007.RAW
Area File: 07PCBS17284001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:20:37 PM
File Reported On: 10/11/2017 at 8:20:51 PM

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0007.RAW

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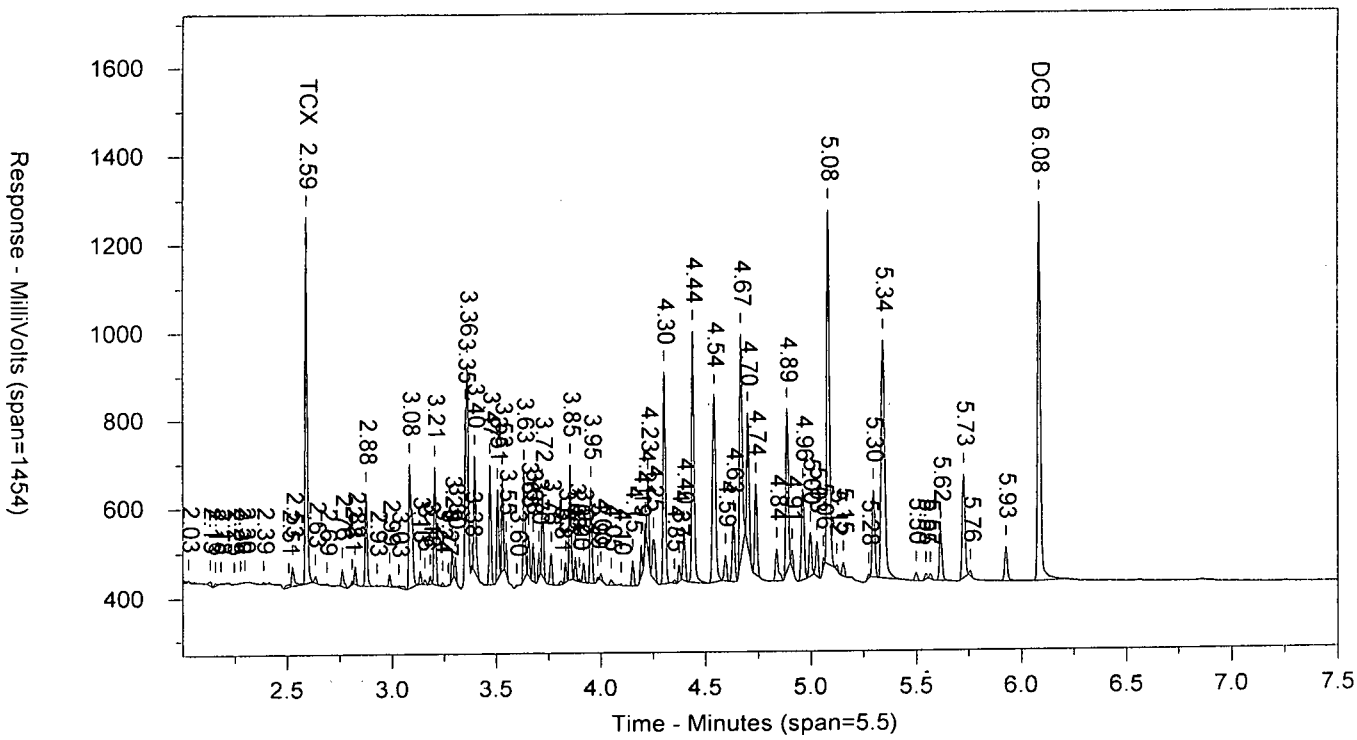

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

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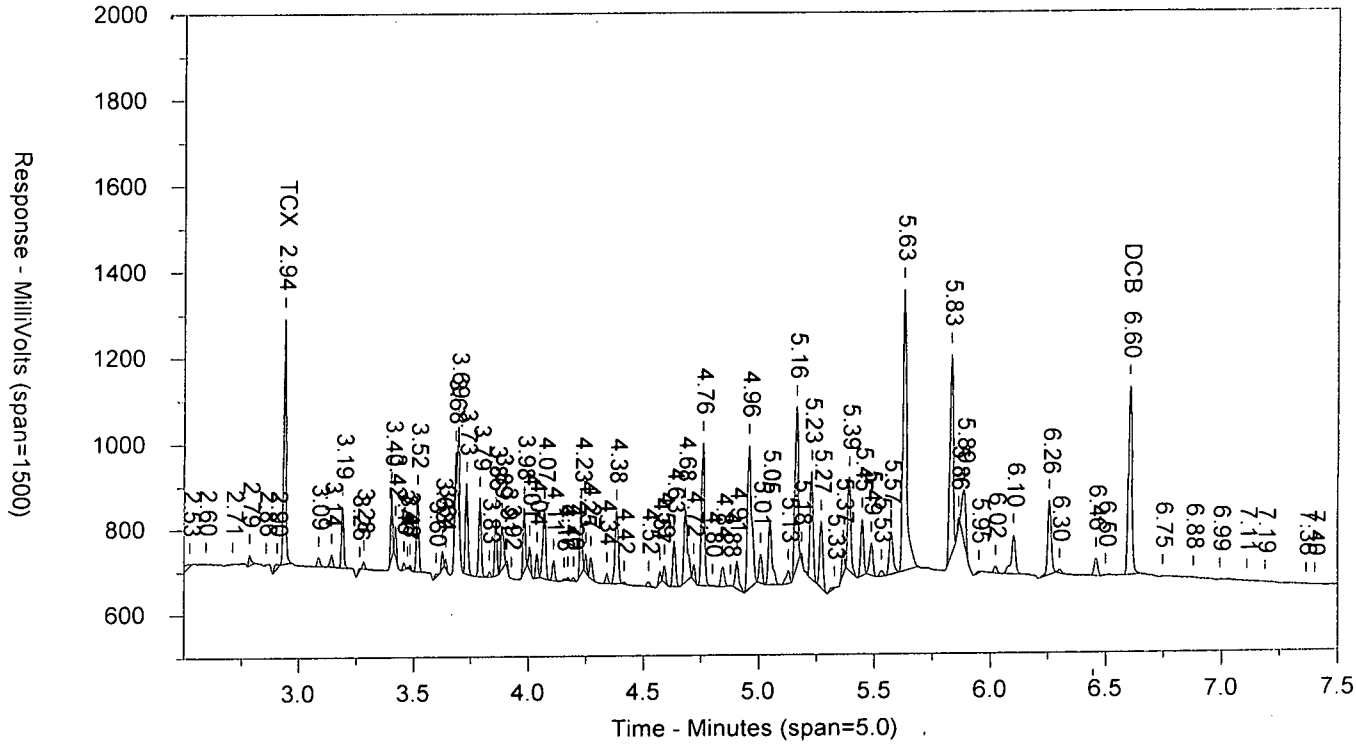


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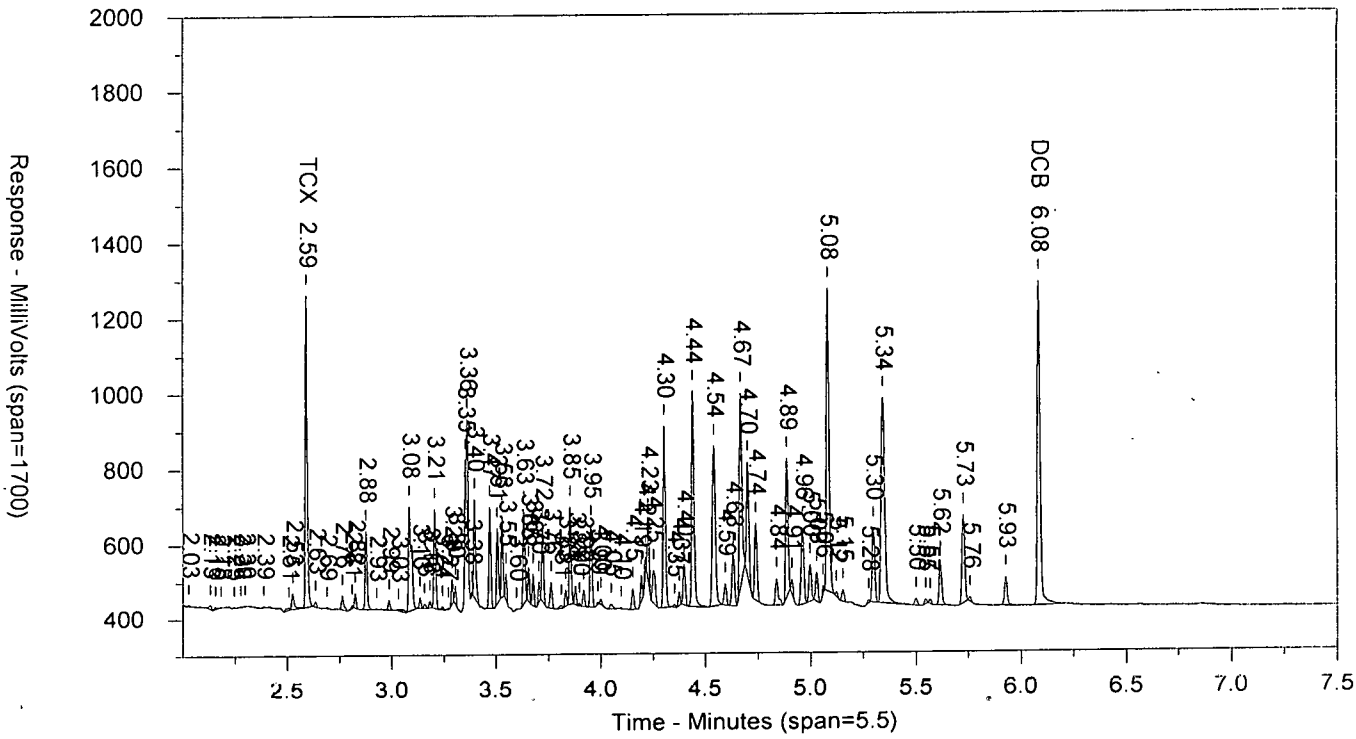


LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.609 | | 8929 | 50238 |
| 1.7 | | 1918 | 1097 |
| 1.736 | | 5212 | 3199 |
| 2.002 | | 2302 | 1694 |
| 2.063 | | 12296 | 37943 |
| 2.086 | | 8387 | 6835 |
| 2.17 | | 1977 | 2272 |
| 2.232 | | 6229 | 4685 |
| 2.332 | | 27943 | 19244 |
| 2.431 | | 3319 | 2342 |
| 2.494 | | 16984 | 16338 |
| 2.524 | | 13814 | 20277 |
| 2.542 | | 11208 | 14092 |
| 2.573 | | 4719 | 3090 |
| 2.615 | | 4085 | 2482 |
| 2.707 | | 4000 | 4778 |
| 2.785 | | 28498 | 26976 |
| 2.865 | | 19396 | 31398 |
| 2.898 | | 6265 | 4758 |
| 2.936 | TCX | 1077407 | 755930 |
| 3.084 | | 40277 | 33686 |
| 3.14 | | 57768 | 48237 |
| 3.188 | | 259217 | 182237 |
| 3.28 | | 42022 | 49084 |
| 3.402 | | 279295 | 164411 |
| 3.418 | | 132802 | 70413 |
| 3.455 | | 32487 | 17684 |
| 3.47 | | 5681 | 2135 |
| 3.483 | | 22306 | 11767 |
| 3.516 | | 327325 | 238212 |
| 3.57 | | 10173 | 6578 |
| 3.591 | | 12455 | 7571 |
| 3.625 | | 79071 | 45156 |
| 3.639 | | 40370 | 20667 |
| 3.681 | | 185280 | 103222 |
| 3.692 | | 352908 | 167149 |
| 3.729 | | 394499 | 301230 |
| 3.788 | | 354647 | 256275 |
| 3.829 | | 28340 | 18178 |
| 3.857 | | 256826 | 178561 |
| 3.883 | | 180294 | 149807 |
| 3.905 | | 39565 | 19598 |
| 3.949 | | 1813 | 568 |
| 3.98 | | 268768 | 192171 |
| 4.004 | | 99307 | 64695 |
| 4.035 | | 112770 | 77842 |
| 4.068 | | 306070 | 276816 |
| 4.107 | | 92470 | 71073 |
| 4.153 | | 9827 | 8987 |
| 4.173 | | 5117 | 2816 |
| 4.193 | | 16211 | 10932 |
| 4.227 | | 290070 | 205904 |
| 4.246 | | 72756 | 41370 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.27 | | 88672 | 70928 |
| 4.34 | | 46685 | 38996 |
| 4.382 | | 315674 | 303349 |
| 4.415 | | 9212 | 6744 |
| 4.52 | | 24320 | 21993 |
| 4.57 | | 43112 | 27025 |
| 4.588 | | 86045 | 56519 |
| 4.631 | | 194645 | 175569 |
| 4.68 | | 314154 | 346899 |
| 4.717 | | 70637 | 49908 |
| 4.756 | | 597940 | 571492 |
| 4.8 | | 2844 | 1602 |
| 4.843 | | 92676 | 95351 |
| 4.873 | | 4785 | 3461 |
| 4.903 | | 111143 | 111494 |
| 4.955 | | 630956 | 764605 |
| 5.005 | | 127246 | 117522 |
| 5.046 | | 277365 | 316523 |
| 5.086 | | 2693 | 1371 |
| 5.126 | | 61710 | 70272 |
| 5.16 | | 705957 | 666893 |
| 5.182 | | 29500 | 15085 |
| 5.2 | | 11166 | 4264 |
| 5.226 | | 471568 | 434204 |
| 5.268 | | 281052 | 274005 |
| 5.312 | | 4024 | 3684 |
| 5.363 | | 103381 | 82528 |
| 5.388 | | 416908 | 384465 |
| 5.445 | | 251941 | 225954 |
| 5.484 | | 145770 | 146470 |
| 5.526 | | 27340 | 27797 |
| 5.568 | | 183934 | 212454 |
| 5.625 | | 1274394 | 1496627 |
| 5.771 | | 2734 | 1430 |
| 5.829 | | 870702 | 842930 |
| 5.859 | | 54113 | 28017 |
| 5.884 | | 234489 | 264844 |
| 5.945 | | 3171 | 2575 |
| 6.021 | | 29040 | 29561 |
| 6.1 | | 170311 | 218247 |
| 6.255 | | 319845 | 339001 |
| 6.299 | | 15390 | 13656 |
| 6.455 | | 83298 | 82114 |
| 6.6 | DCB | 824243 | 885431 |
| 6.866 | | 1538 | 369 |
| 6.989 | | 1253 | 828 |
| 7.141 | | 1518 | 1477 |
| 7.614 | | 1401 | 641 |
| 7.645 | | 1343 | 345 |
| 7.738 | | 1327 | 706 |
| 7.869 | | 1191 | 298 |
| 7.892 | | 1511 | 573 |
| 8.047 | | 1233 | 338 |
| 8.119 | | 1492 | 820 |
| 8.159 | | 1977 | 644 |
| 8.35 | | 1218 | 940 |
| 8.461 | | 1576 | 868 |
| 8.494 | | 1606 | 505 |
| 8.57 | | 1969 | 1635 |
| 8.661 | | 1511 | 391 |

LANCASTER LABORATORIES

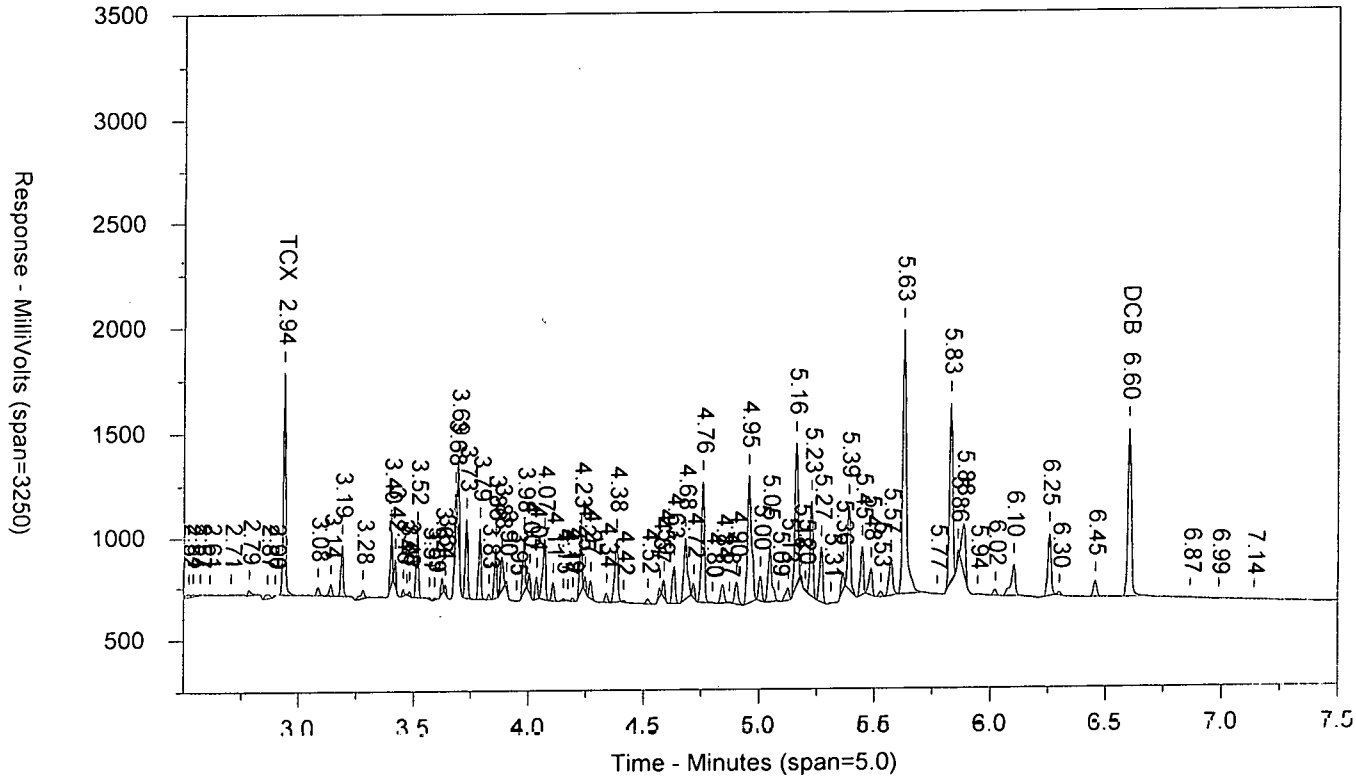
Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.532 | | 8943 | 8124 |
| 1.606 | | 3515 | 2053 |
| 1.689 | | 1952 | 1997 |
| 1.758 | | 1504 | 2360 |
| 1.796 | | 6249 | 6255 |
| 1.817 | | 6173 | 4905 |
| 1.9 | | 42202 | 27898 |
| 1.967 | | 12923 | 21916 |
| 2.028 | | 6678 | 7135 |
| 2.127 | | 8953 | 9974 |
| 2.157 | | 5053 | 5536 |
| 2.222 | | 6340 | 5973 |
| 2.277 | | 4126 | 2507 |
| 2.32 | | 9827 | 15287 |
| 2.387 | | 4005 | 3350 |
| 2.415 | | 9251 | 50078 |
| 2.508 | | 12482 | 16906 |
| 2.525 | | 16768 | 36880 |
| 2.591 | TCX | 1568783 | 994427 |
| 2.635 | | 29154 | 18906 |
| 2.689 | | 6680 | 5258 |
| 2.763 | | 72948 | 55069 |
| 2.809 | | 16497 | 7359 |
| 2.824 | | 76576 | 42353 |
| 2.876 | | 384286 | 250744 |
| 2.926 | | 4623 | 2504 |
| 2.947 | | 3653 | 3105 |
| 2.987 | | 51925 | 32922 |
| 3.031 | | 6071 | 11782 |
| 3.084 | | 501091 | 497181 |
| 3.135 | | 58697 | 33452 |
| 3.155 | | 24228 | 14064 |
| 3.181 | | 41035 | 21492 |
| 3.205 | | 475711 | 313547 |
| 3.242 | | 15267 | 9961 |
| 3.269 | | 7794 | 3675 |
| 3.288 | | 123243 | 63095 |
| 3.303 | | 81406 | 39954 |
| 3.353 | | 232583 | 111192 |
| 3.362 | | 466233 | 200012 |
| 3.382 | | 19182 | 6669 |
| 3.396 | | 472827 | 317152 |
| 3.469 | | 485871 | 312294 |
| 3.505 | | 361689 | 229756 |
| 3.528 | | 383072 | 210309 |
| 3.546 | | 121325 | 61259 |
| 3.601 | | 2657 | 3272 |
| 3.631 | | 422943 | 285288 |
| 3.653 | | 165782 | 88142 |
| 3.674 | | 156143 | 91814 |
| 3.702 | | 99069 | 50287 |
| 3.72 | | 355655 | 217400 |
| 3.76 | | 129608 | 91251 |
| 3.809 | | 15347 | 12741 |

| | | | |
|---|---|---|---|
| 3.83 | | 87376 | 52109 |
| 3.852 | | 472839 | 308551 |
| 3.877 | | 92917 | 54511 |
| 3.896 | | 15473 | 7259 |
| 3.916 | | 70069 | 44661 |
| 3.951 | | 383854 | 274992 |
| 3.984 | | 16286 | 8556 |
| 3.999 | | 30229 | 17630 |
| 4.048 | | 14116 | 13502 |
| 4.093 | | 18053 | 13894 |
| 4.15 | | 104057 | 73660 |
| 4.192 | | 116159 | 70014 |
| 4.21 | | 89080 | 42806 |
| 4.224 | | 287615 | 168928 |
| 4.249 | | 165867 | 164069 |
| 4.301 | | 882277 | 676861 |
| 4.349 | | 12176 | 8842 |
| 4.372 | | 73228 | 48277 |
| 4.396 | | 201534 | 151376 |
| 4.438 | | 1046518 | 848751 |
| 4.539 | | 782131 | 812240 |
| 4.592 | | 108338 | 88386 |
| 4.631 | | 253764 | 217631 |
| 4.666 | | 1007946 | 849678 |
| 4.699 | | 567120 | 416582 |
| 4.737 | | 380940 | 308916 |
| 4.836 | | 142558 | 136400 |
| 4.886 | | 664819 | 548474 |
| 4.909 | | 73245 | 45615 |
| 4.959 | | 372673 | 343347 |
| 4.995 | | 190414 | 151617 |
| 5.026 | | 142669 | 116873 |
| 5.058 | | 46214 | 27884 |
| 5.081 | | 1535863 | 1335337 |
| 5.121 | | 29939 | 20741 |
| 5.153 | | 59782 | 48108 |
| 5.273 | | 21204 | 12982 |
| 5.296 | | 378177 | 316189 |
| 5.342 | | 1068767 | 1246120 |
| 5.497 | | 34386 | 30894 |
| 5.543 | | 24834 | 18287 |
| 5.565 | | 23718 | 17158 |
| 5.615 | | 223019 | 196535 |
| 5.724 | | 442849 | 399799 |
| 5.755 | | 20899 | 12751 |
| 5.924 | | 144009 | 134260 |
| 6.082 | DCB | 1561446 | 1503655 |
| 6.605 | | 1660 | 2394 |
| 7.52 | | 1489 | 1990 |
| 7.662 | | 1133 | 2460 |
| 8.163 | | 11152 | 22990 |

AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0008.RAW

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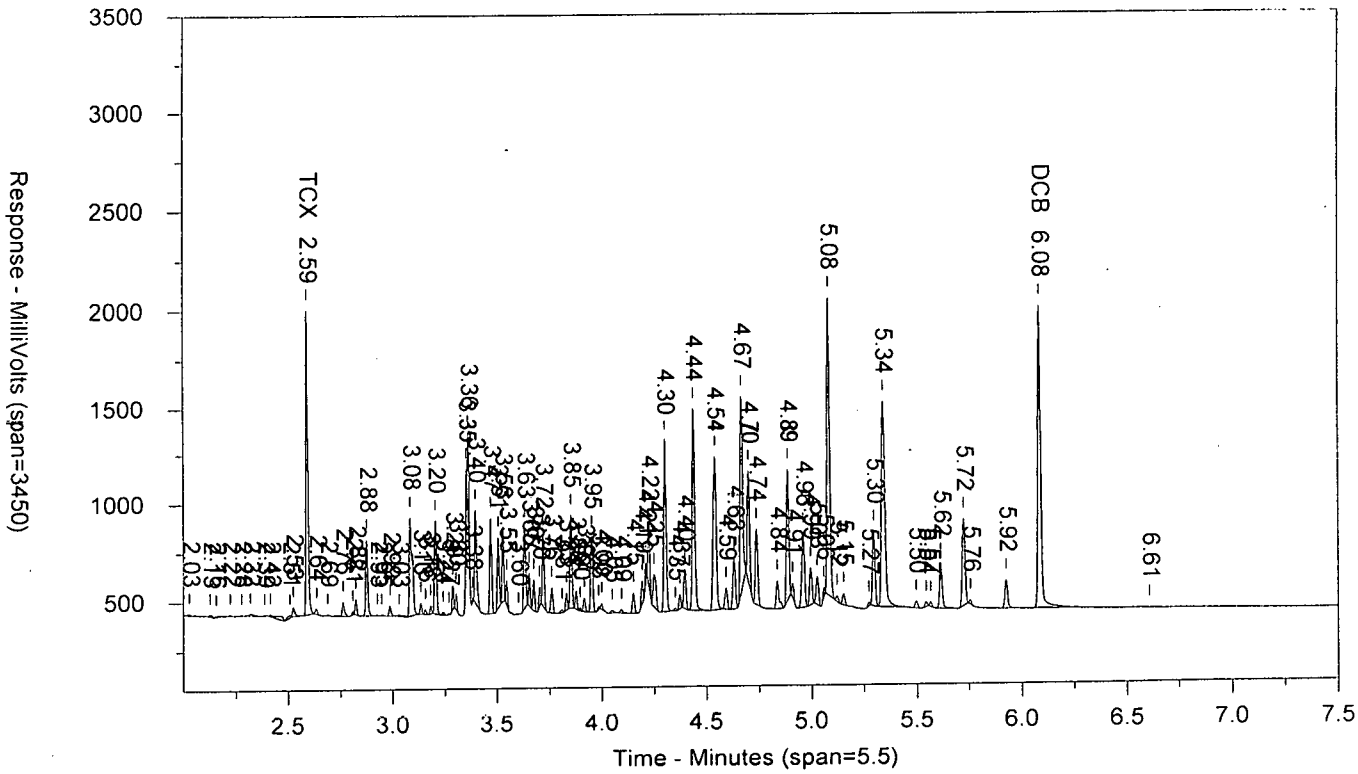


LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

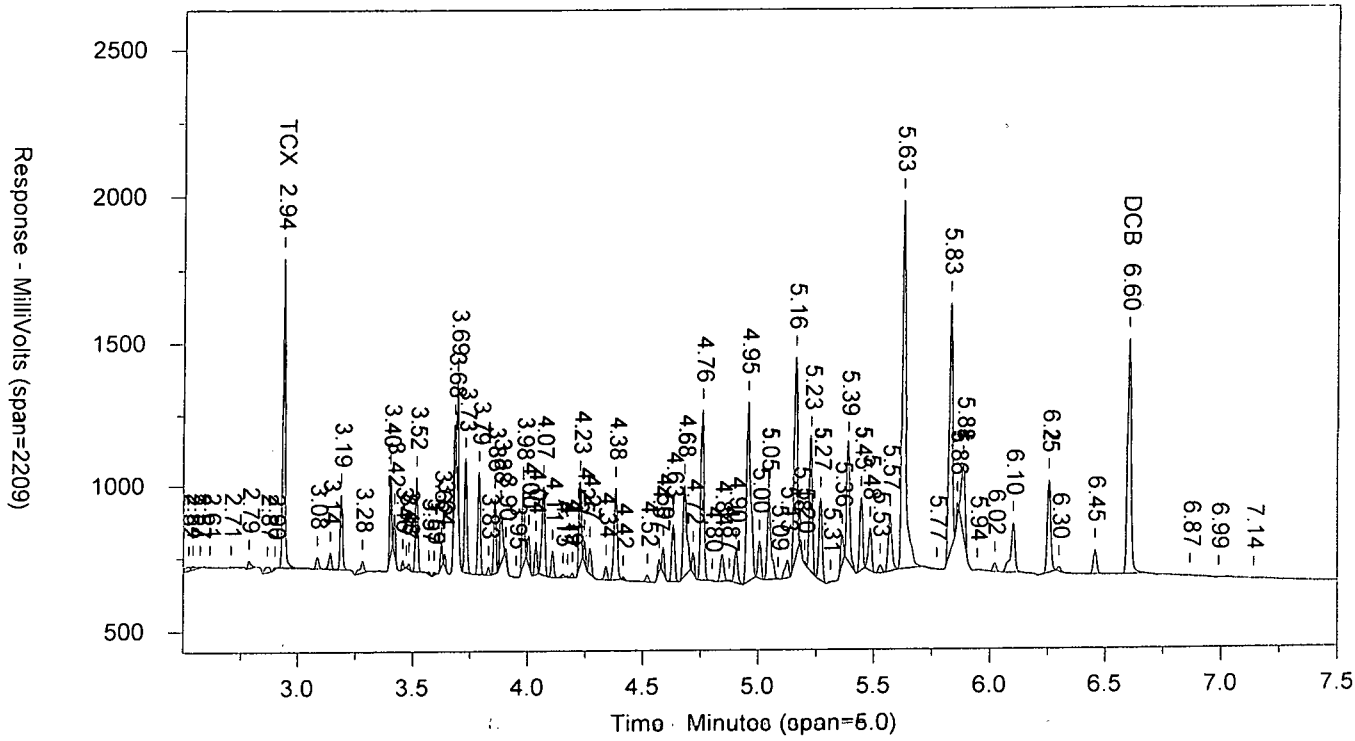
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 1077407 | 3.855 | TCX | 2.591 | 1568783 | 4.811 | TCX |
| 6.6 | 824243 | 4.298 | DCB | 6.082 | 1561446 | 4.907 | DCB |

Files:
Area File: 07PCBS17284001.0008.RAW
Area File: 07PCBS17284001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:31:54 PM
File Reported On: 10/11/2017 at 8:32:05 PM

AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0008.RAW

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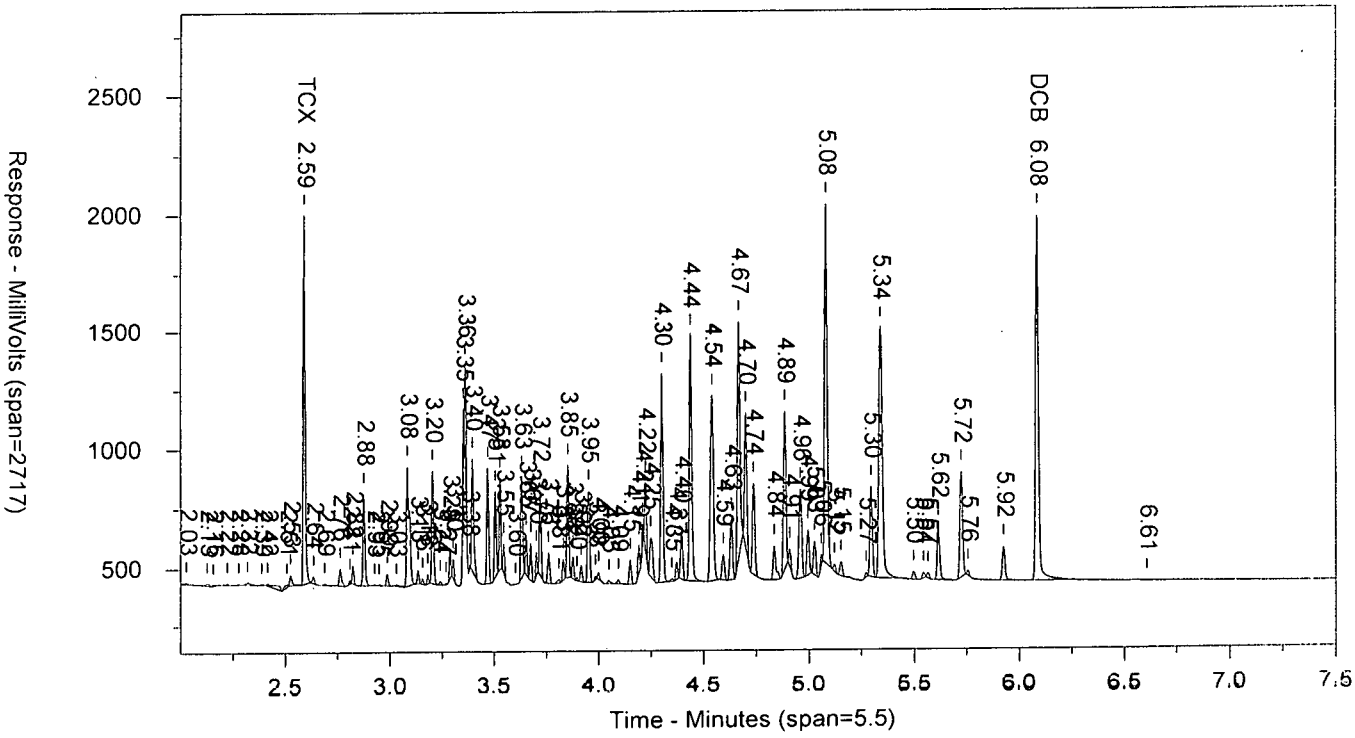
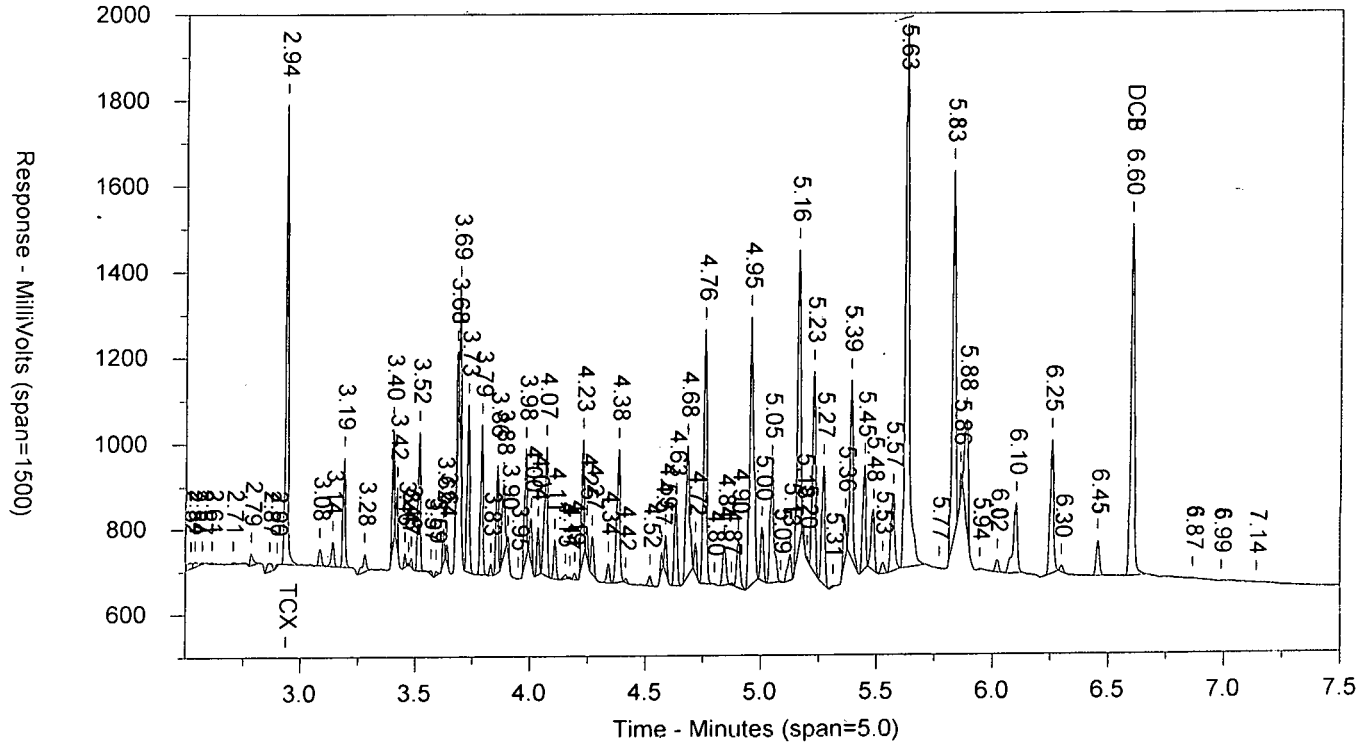
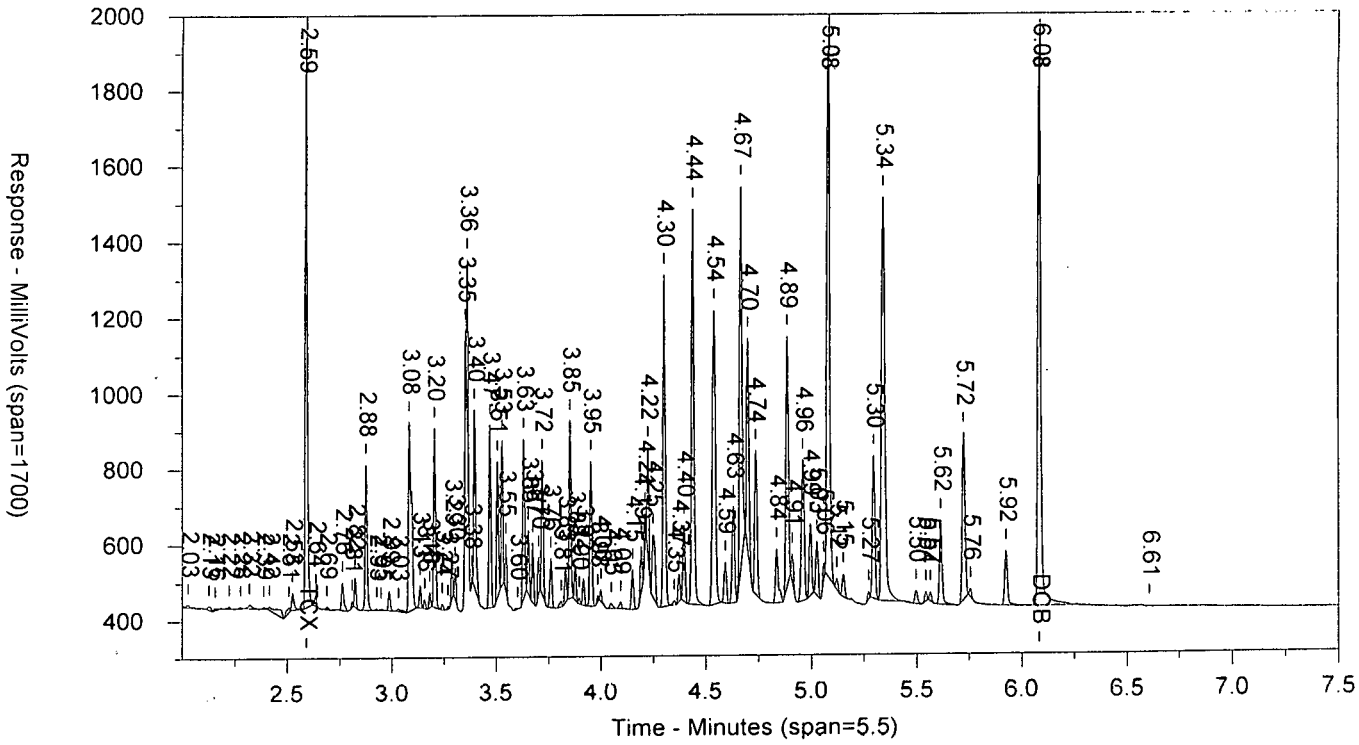


AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0008.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0008.RAW



LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.545 | | 22948 | 26940 |
| 1.578 | | 31578 | 30853 |
| 1.628 | | 8346 | 49380 |
| 2.006 | | 21837 | 38022 |
| 2.05 | | 23557 | 35051 |
| 2.089 | | 7722 | 7076 |
| 2.177 | | 3381 | 8142 |
| 2.234 | | 26658 | 17931 |
| 2.332 | | 40070 | 31420 |
| 2.517 | | 16603 | 47052 |
| 2.575 | | 7008 | 6258 |
| 2.785 | | 17056 | 12851 |
| 2.854 | | 2835 | 1235 |
| 2.897 | | 7778 | 5632 |
| 2.936 | TCX | 5436629 | 3606828 |
| 3.084 | | 83135 | 73918 |
| 3.14 | | 123289 | 122219 |
| 3.188 | | 488843 | 342439 |
| 3.264 | | 15786 | 11264 |
| 3.28 | | 62751 | 38294 |
| 3.401 | | 525911 | 314840 |
| 3.418 | | 256887 | 139019 |
| 3.455 | | 65398 | 36621 |
| 3.47 | | 8293 | 2807 |
| 3.482 | | 41831 | 20751 |
| 3.516 | | 622824 | 458606 |
| 3.571 | | 27242 | 16256 |
| 3.592 | | 21192 | 13458 |
| 3.624 | | 146599 | 84185 |
| 3.639 | | 80642 | 39061 |
| 3.681 | | 389198 | 202808 |
| 3.692 | | 645118 | 311318 |
| 3.729 | | 723394 | 568052 |
| 3.788 | | 636200 | 493463 |
| 3.829 | | 54622 | 37635 |
| 3.856 | | 465970 | 334611 |
| 3.883 | | 329945 | 279263 |
| 3.906 | | 84959 | 39815 |
| 3.98 | | 515095 | 366646 |
| 4.004 | | 203135 | 130745 |
| 4.035 | | 210686 | 146046 |
| 4.068 | | 558849 | 524977 |
| 4.108 | | 179277 | 139252 |
| 4.154 | | 22746 | 14830 |
| 4.172 | | 4067 | 1594 |
| 4.194 | | 34954 | 24933 |
| 4.227 | | 529690 | 388196 |
| 4.247 | | 145657 | 78069 |
| 4.27 | | 166390 | 129225 |
| 4.34 | | 96163 | 77514 |
| 4.382 | | 600460 | 569027 |
| 4.415 | | 17469 | 11132 |
| 4.477 | | 3672 | 2150 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.52 | | 48460 | 43504 |
| 4.57 | | 84432 | 54013 |
| 4.587 | | 150732 | 102436 |
| 4.632 | | 380145 | 338032 |
| 4.68 | | 601934 | 654104 |
| 4.717 | | 136916 | 93920 |
| 4.757 | | 1181295 | 1085559 |
| 4.797 | | 4094 | 3682 |
| 4.843 | | 177574 | 185237 |
| 4.875 | | 10111 | 6330 |
| 4.903 | | 205738 | 202077 |
| 4.954 | | 1154172 | 1446193 |
| 5.006 | | 239822 | 222192 |
| 5.046 | | 527059 | 607065 |
| 5.126 | | 120142 | 137074 |
| 5.16 | | 1353196 | 1277991 |
| 5.182 | | 65142 | 33052 |
| 5.2 | | 21654 | 9324 |
| 5.227 | | 874247 | 820717 |
| 5.268 | | 545015 | 528046 |
| 5.311 | | 6196 | 6527 |
| 5.363 | | 200119 | 160843 |
| 5.388 | | 810825 | 736768 |
| 5.445 | | 470649 | 427189 |
| 5.484 | | 275368 | 279013 |
| 5.526 | | 53413 | 56196 |
| 5.568 | | 364819 | 405918 |
| 5.624 | | 2331270 | 2791393 |
| 5.771 | | 2314 | 1912 |
| 5.829 | | 1626789 | 1558696 |
| 5.86 | | 95267 | 56814 |
| 5.885 | | 424128 | 484765 |
| 5.94 | | 4395 | 4858 |
| 6.02 | | 95119 | 87795 |
| 6.099 | | 338811 | 480454 |
| 6.254 | | 641226 | 653959 |
| 6.298 | | 35519 | 31989 |
| 6.426 | | 1264 | 416 |
| 6.455 | | 199725 | 194864 |
| 6.493 | | 1608 | 967 |
| 6.544 | | 1418 | 730 |
| 6.601 | DCB | 3787977 | 3970074 |
| 6.891 | | 1988 | 791 |
| 6.96 | | 1910 | 582 |
| 7.044 | | 2940 | 4539 |
| 7.391 | | 1798 | 797 |
| 7.577 | | 1156 | 1062 |
| 7.635 | | 1513 | 410 |
| 7.663 | | 1298 | 577 |
| 7.698 | | 1490 | 621 |
| 7.886 | | 1381 | 816 |
| 7.947 | | 1770 | 759 |
| 8.06 | | 1746 | 290 |
| 8.118 | | 1757 | 545 |
| 8.367 | | 1588 | 587 |
| 8.424 | | 2235 | 1059 |
| 8.438 | | 1168 | 780 |
| 8.508 | | 1521 | 396 |
| 8.639 | | 1502 | 777 |

LANCASTER LABORATORIES

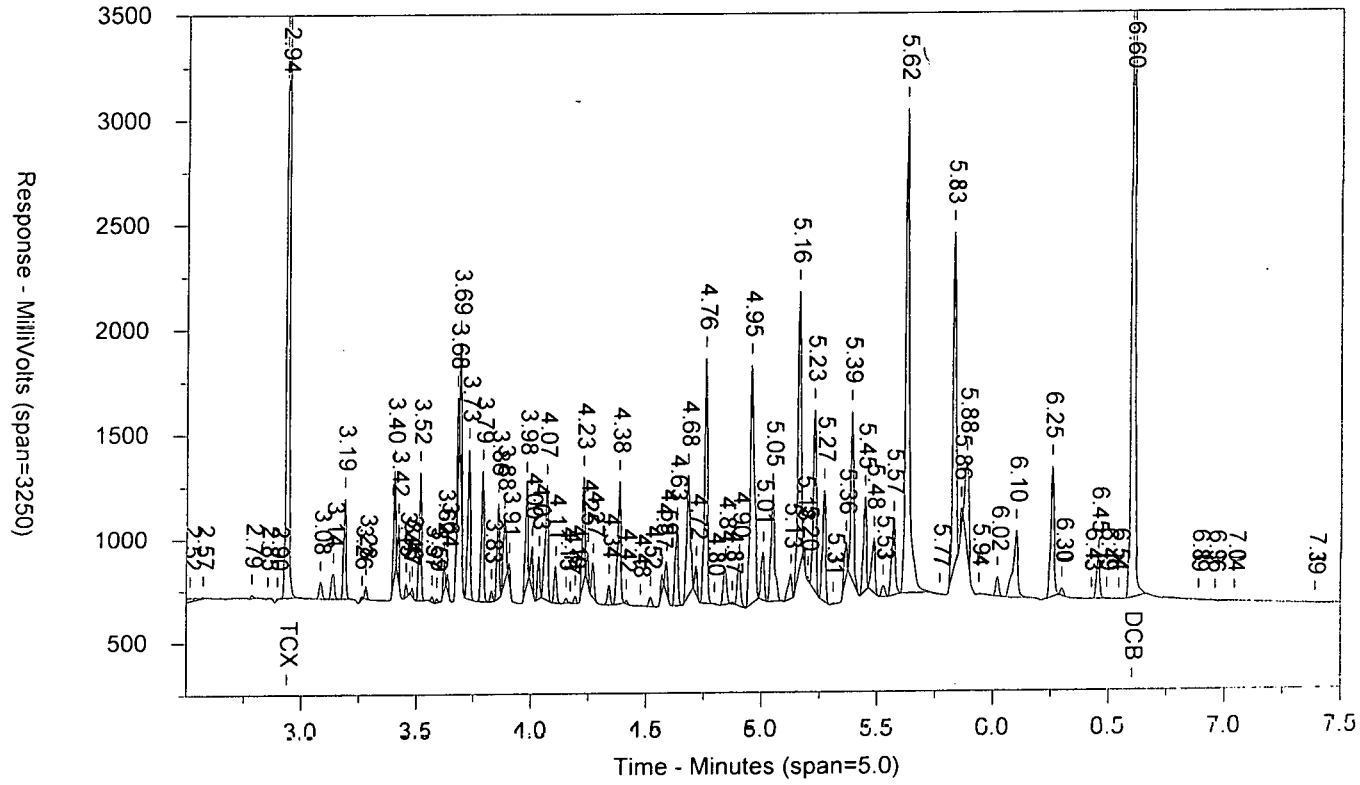
Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B ' | Height B | Area A |
|---|---|---|---|
| 1.53 | | 2357 | 1809 |
| 1.696 | | 8818 | 19084 |
| 1.724 | | 6822 | 3764 |
| 1.754 | | 12392 | 28269 |
| 1.794 | | 12325 | 16001 |
| 1.84 | | 12890 | 35237 |
| 1.901 | | 96774 | 105031 |
| 1.969 | | 13856 | 37196 |
| 2.03 | | 20943 | 20849 |
| 2.133 | | 9591 | 9518 |
| 2.157 | | 6283 | 6504 |
| 2.246 | | 1943 | 1911 |
| 2.276 | | 7547 | 5100 |
| 2.314 | | 5313 | 11595 |
| 2.386 | | 5795 | 4591 |
| 2.505 | | 5141 | 8107 |
| 2.525 | | 31579 | 24750 |
| 2.591 | TCX | 8474571 | 5169932 |
| 2.635 | | 43447 | 23090 |
| 2.763 | | 144223 | 106146 |
| 2.809 | | 88390 | 42796 |
| 2.824 | | 134797 | 70964 |
| 2.876 | | 740565 | 474117 |
| 2.925 | | 22313 | 12974 |
| 2.987 | | 102582 | 63976 |
| 3.084 | | 950383 | 937604 |
| 3.135 | | 118556 | 69564 |
| 3.156 | | 50522 | 29759 |
| 3.182 | | 81377 | 44499 |
| 3.205 | | 908793 | 604100 |
| 3.242 | | 32749 | 19408 |
| 3.269 | | 35746 | 17840 |
| 3.289 | | 232890 | 122905 |
| 3.304 | | 140654 | 69040 |
| 3.353 | | 472483 | 207868 |
| 3.363 | | 953961 | 421326 |
| 3.383 | | 37477 | 12727 |
| 3.396 | | 924386 | 622027 |
| 3.47 | | 989465 | 620645 |
| 3.506 | | 716472 | 444773 |
| 3.529 | | 746977 | 415205 |
| 3.546 | | 246833 | 124404 |
| 3.598 | | 3886 | 4008 |
| 3.631 | | 860334 | 566617 |
| 3.653 | | 337689 | 180887 |
| 3.674 | | 322742 | 188196 |
| 3.702 | | 212463 | 105119 |
| 3.72 | | 706976 | 441716 |
| 3.761 | | 269662 | 189422 |
| 3.809 | | 33684 | 27960 |
| 3.831 | | 175096 | 105103 |
| 3.852 | | 967492 | 621238 |
| 3.877 | | 203552 | 119291 |
| 3.896 | | 33105 | 15772 |

| | | | |
|---|---|---|---|
| 3.916 | | 131770 | 82894 |
| 3.951 | | 793058 | 548017 |
| 3.984 | | 31615 | 16840 |
| 3.999 | | 54883 | 34963 |
| 4.048 | | 15318 | 15921 |
| 4.094 | | 40511 | 35590 |
| 4.15 | | 205997 | 150666 |
| 4.192 | | 229824 | 141326 |
| 4.21 | | 193156 | 91854 |
| 4.224 | | 581600 | 333510 |
| 4.249 | | 323028 | 331201 |
| 4.302 | | 1788175 | 1348124 |
| 4.349 | | 26048 | 19444 |
| 4.37 | | 151296 | 98323 |
| 4.395 | | 392176 | 302939 |
| 4.437 | | 2087847 | 1676261 |
| 4.539 | | 1576421 | 1611458 |
| 4.592 | | 218819 | 176908 |
| 4.631 | | 487266 | 429057 |
| 4.667 | | 1943167 | 1644627 |
| 4.698 | | 1083579 | 784274 |
| 4.736 | | 751877 | 598164 |
| 4.835 | | 235684 | 175217 |
| 4.853 | | 32066 | 15232 |
| 4.886 | | 1331503 | 1066208 |
| 4.909 | | 156346 | 99392 |
| 4.959 | | 709498 | 653641 |
| 4.995 | | 369174 | 292514 |
| 5.026 | | 273552 | 228936 |
| 5.058 | | 92634 | 57709 |
| 5.081 | | 3185476 | 2636041 |
| 5.122 | | 56048 | 35890 |
| 5.152 | | 125930 | 100458 |
| 5.273 | | 42666 | 25771 |
| 5.296 | | 719000 | 599952 |
| 5.342 | | 1989653 | 2419345 |
| 5.497 | | 105927 | 91831 |
| 5.543 | | 47006 | 34107 |
| 5.566 | | 84855 | 61626 |
| 5.615 | | 403299 | 369544 |
| 5.724 | | 890427 | 770338 |
| 5.755 | | 43910 | 31784 |
| 5.924 | | 332826 | 306795 |
| 6.082 | DCB | 7246212 | 6698817 |
| 6.254 | | 3163 | 3092 |
| 6.535 | | 5063 | 4770 |
| 7.889 | | 2073 | 3918 |
| 7.968 | | 1449 | 2753 |
| 8.164 | | 10786 | 22521 |

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0009.RAW

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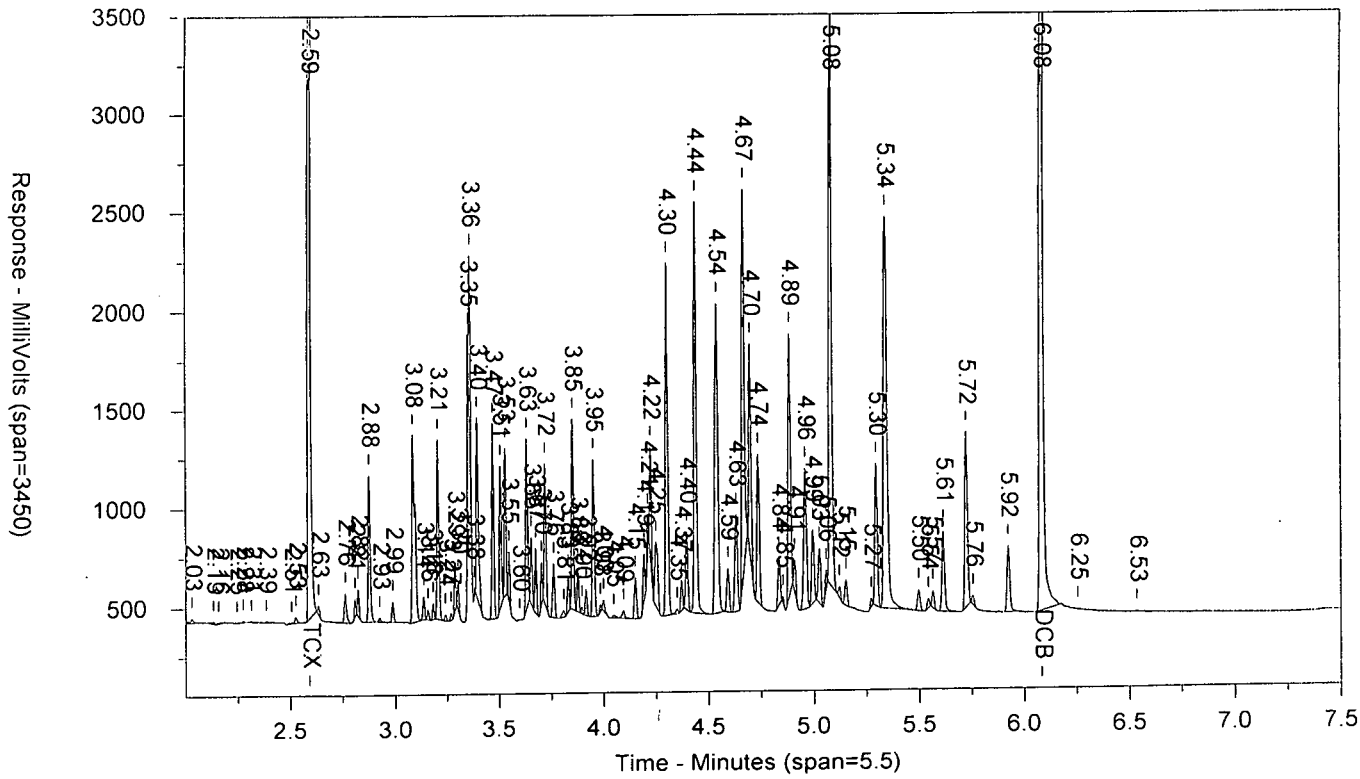


LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

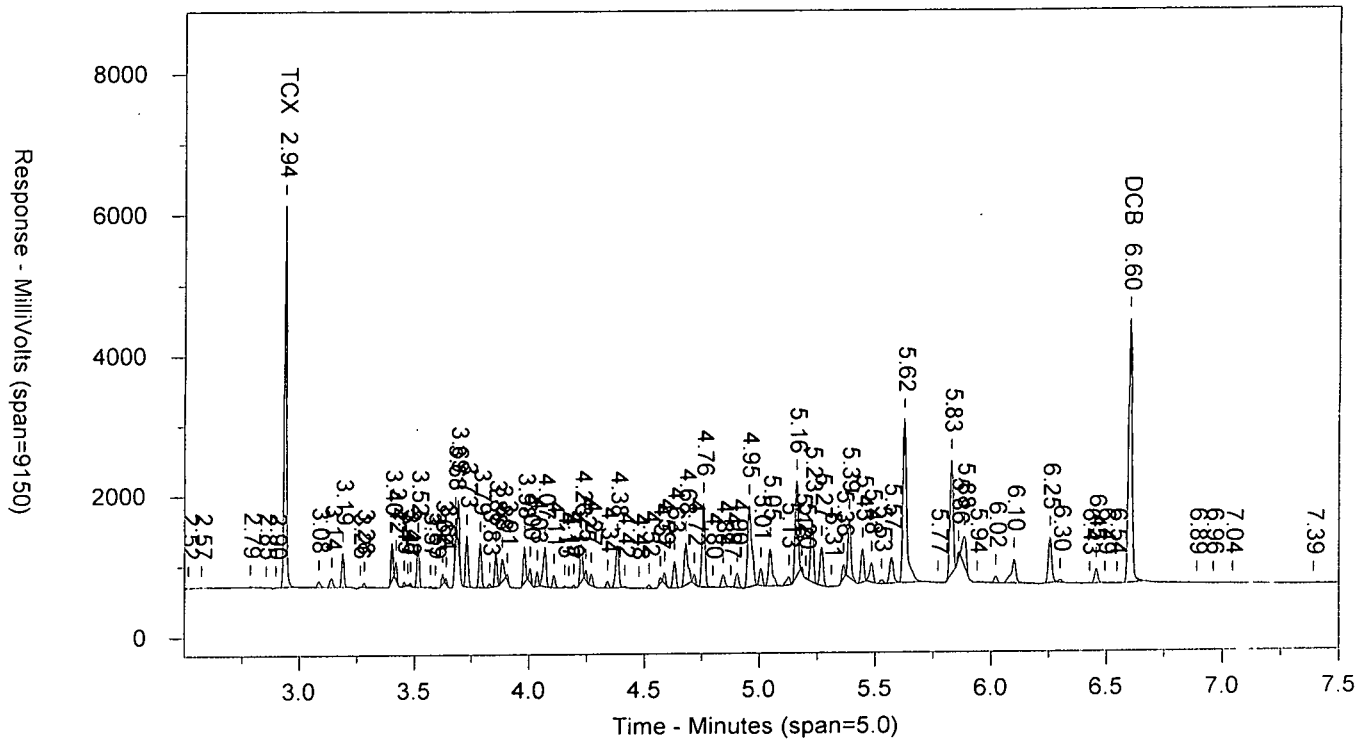
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 5436629 | 19.532 | TCX | 2.591 | 8474571 | 24.721 | TCX |
| 6.601 | 3787977 | 19.686 | DCB | 6.082 | 7246212 | 21.823 | DCB |

Files:
Area File: 07PCBS17284001.0009.RAW
Area File: 07PCBS17284001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:43:10 PM
File Reported On: 10/11/2017 at 8:43:23 PM

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0009.RAW

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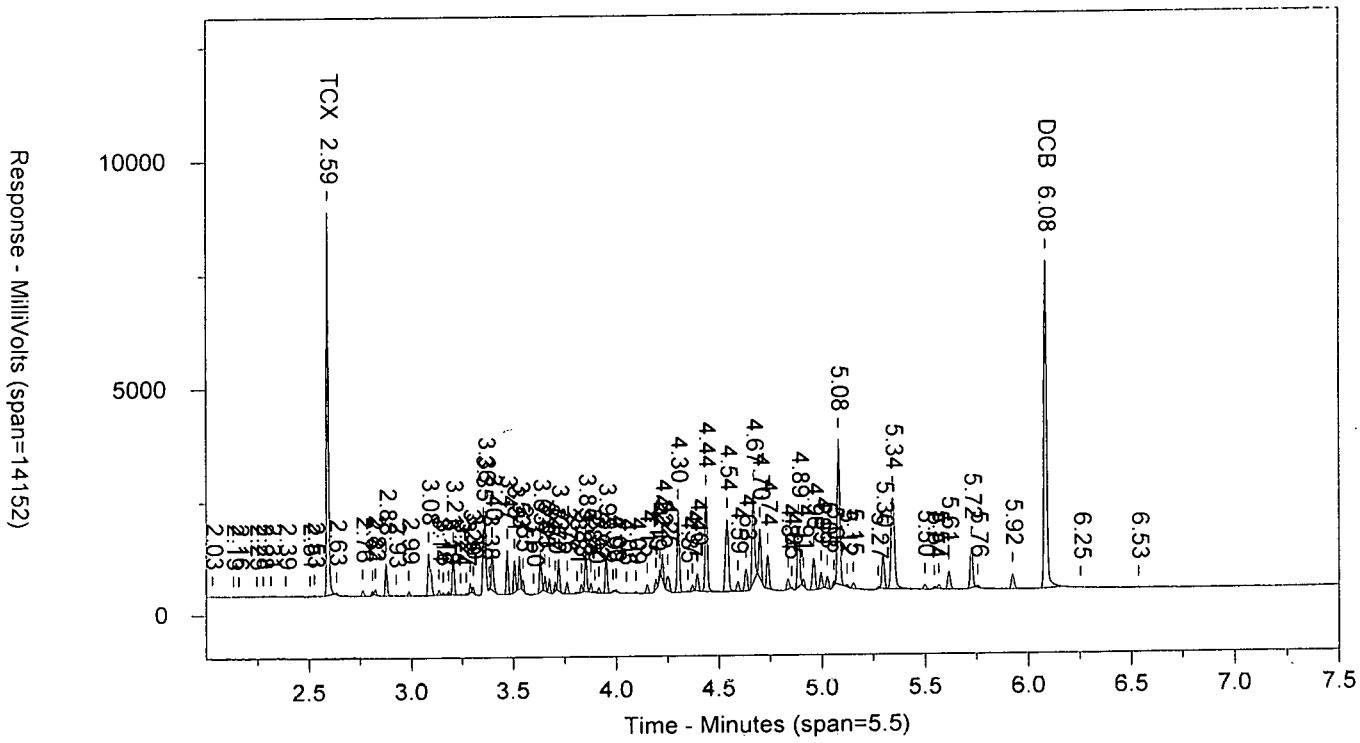

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

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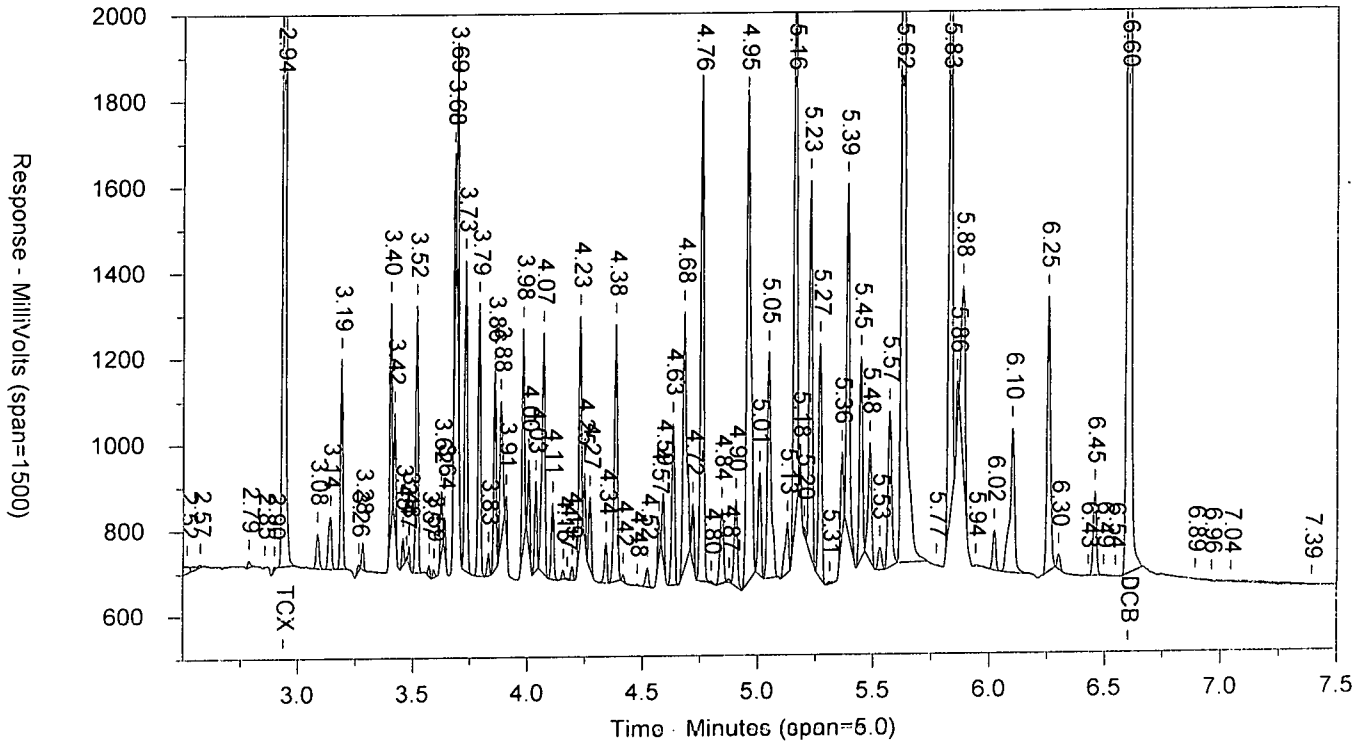


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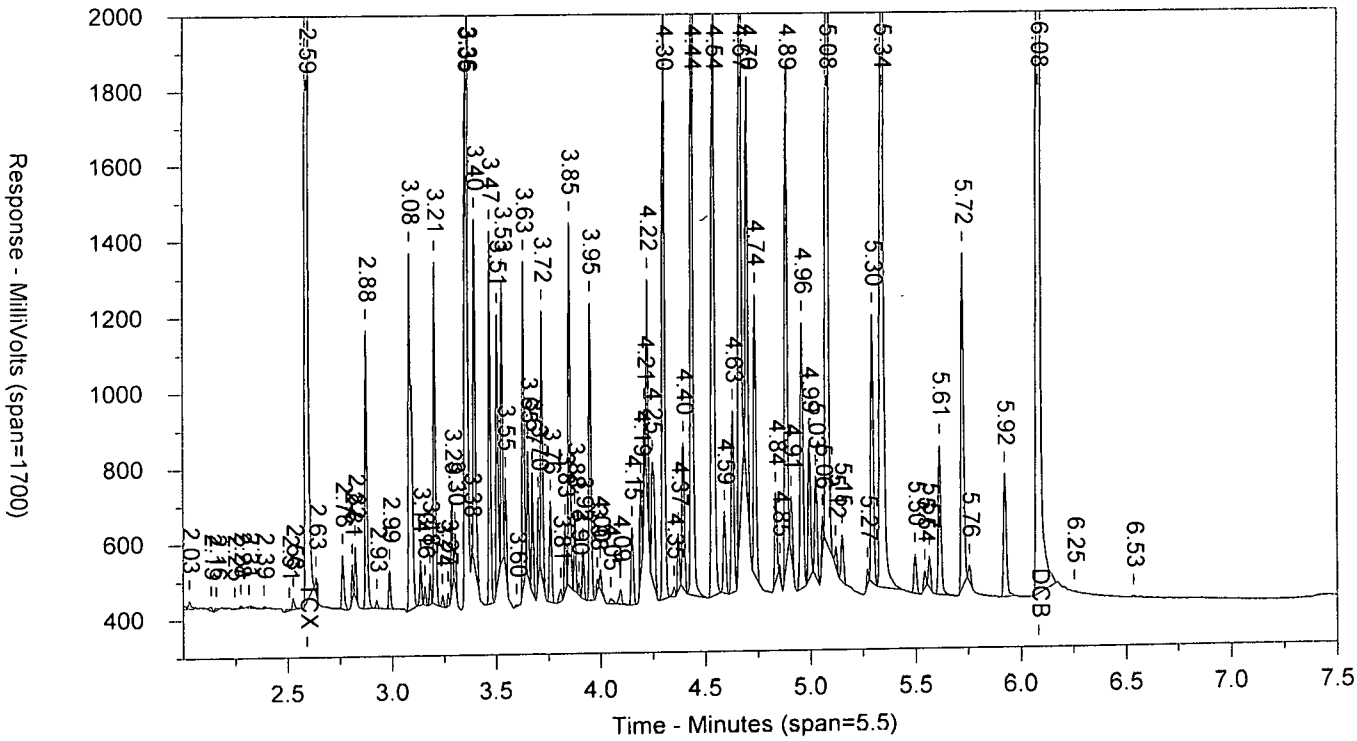

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.579 | | 24532 | 24010 |
| 1.614 | | 9827 | 27548 |
| 1.736 | | 5151 | 3002 |
| 2.007 | | 15900 | 22768 |
| 2.06 | | 9135 | 27937 |
| 2.088 | | 7733 | 4892 |
| 2.123 | | 6103 | 14083 |
| 2.163 | | 16837 | 14981 |
| 2.205 | | 10142 | 16433 |
| 2.234 | | 58058 | 47528 |
| 2.333 | | 43566 | 41816 |
| 2.365 | | 5803 | 6392 |
| 2.418 | | 1873 | 1336 |
| 2.432 | | 5401 | 5645 |
| 2.499 | | 19467 | 27940 |
| 2.524 | | 19871 | 21915 |
| 2.543 | | 18337 | 22335 |
| 2.576 | | 18744 | 20048 |
| 2.617 | | 7023 | 6661 |
| 2.706 | | 4745 | 3766 |
| 2.787 | | 20080 | 23326 |
| 2.864 | | 2789 | 3362 |
| 2.937 | TCX | 10747070 | 7136836 |
| 3.034 | | 4109 | 6076 |
| 3.085 | | 160153 | 142498 |
| 3.141 | | 229917 | 230862 |
| 3.188 | | 917894 | 685880 |
| 3.264 | | 22962 | 13890 |
| 3.282 | | 112209 | 73238 |
| 3.321 | | 3708 | 2414 |
| 3.403 | | 941819 | 564791 |
| 3.419 | | 448016 | 243982 |
| 3.457 | | 120827 | 67999 |
| 3.472 | | 14440 | 5885 |
| 3.483 | | 68811 | 36080 |
| 3.517 | | 1128810 | 839788 |
| 3.552 | | 5790 | 2713 |
| 3.572 | | 41167 | 25979 |
| 3.593 | | 40594 | 25194 |
| 3.626 | | 275893 | 158137 |
| 3.641 | | 145904 | 72339 |
| 3.684 | | 609784 | 314929 |
| 3.695 | | 1239245 | 593930 |
| 3.731 | | 1407519 | 1033154 |
| 3.79 | | 1226921 | 896422 |
| 3.831 | | 99496 | 67868 |
| 3.859 | | 831817 | 597720 |
| 3.885 | | 584857 | 483698 |
| 3.906 | | 153063 | 79573 |
| 3.981 | | 897945 | 644336 |
| 4.006 | | 346364 | 228082 |
| 4.037 | | 368809 | 263807 |
| 4.07 | | 1016596 | 940966 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.109 | | 325760 | 254495 |
| 4.156 | | 45691 | 36972 |
| 4.195 | | 68505 | 49748 |
| 4.229 | | 910476 | 675289 |
| 4.248 | | 233762 | 128298 |
| 4.272 | | 301661 | 229044 |
| 4.341 | | 163622 | 135508 |
| 4.384 | | 1072269 | 997780 |
| 4.418 | | 32842 | 22912 |
| 4.479 | | 10327 | 8893 |
| 4.521 | | 99418 | 91984 |
| 4.572 | | 154937 | 93022 |
| 4.589 | | 273216 | 184684 |
| 4.633 | | 655476 | 604245 |
| 4.682 | | 1036298 | 1157550 |
| 4.719 | | 234977 | 167497 |
| 4.758 | | 2163916 | 1943034 |
| 4.801 | | 9668 | 6893 |
| 4.844 | | 314032 | 331592 |
| 4.876 | | 18757 | 11675 |
| 4.905 | | 363810 | 346363 |
| 4.957 | | 2099161 | 2613151 |
| 5.007 | | 432877 | 405584 |
| 5.048 | | 1007646 | 1111101 |
| 5.089 | | 6594 | 2852 |
| 5.128 | | 221235 | 254141 |
| 5.16 | | 2726046 | 2414319 |
| 5.183 | | 122056 | 63098 |
| 5.202 | | 41404 | 17536 |
| 5.227 | | 1706854 | 1507779 |
| 5.27 | | 1004377 | 963135 |
| 5.313 | | 3838 | 2229 |
| 5.364 | | 396117 | 303370 |
| 5.39 | | 1509693 | 1359064 |
| 5.446 | | 853719 | 781236 |
| 5.486 | | 504415 | 519392 |
| 5.528 | | 106094 | 104162 |
| 5.57 | | 642930 | 742247 |
| 5.626 | | 4538190 | 5312490 |
| 5.831 | | 3137778 | 2970821 |
| 5.862 | | 194084 | 128674 |
| 5.887 | | 781177 | 897249 |
| 6.022 | | 139669 | 138524 |
| 6.102 | | 641597 | 882338 |
| 6.256 | | 1247267 | 1255898 |
| 6.3 | | 75205 | 65002 |
| 6.419 | | 1673 | 537 |
| 6.456 | | 364589 | 377241 |
| 6.603 | DCB | 7885810 | 8097231 |
| 6.992 | | 1534 | 1497 |
| 7.047 | | 5826 | 6014 |
| 7.174 | | 1438 | 336 |
| 7.288 | | 2032 | 335 |
| 7.511 | | 1795 | 529 |
| 7.633 | | 1660 | 623 |
| 7.682 | | 1408 | 432 |
| 7.787 | | 2525 | 3050 |
| 7.94 | | 1604 | 825 |
| 7.995 | | 1383 | 796 |
| 8.039 | | 1429 | 482 |
| 8.11 | | 1668 | 630 |
| 8.239 | | 917 | 153 |
| 8.379 | | 1776 | 716 |
| 8.564 | | 1482 | 593 |
| 8.585 | | 1793 | 567 |
| 8.619 | | 1182 | 934 |

3 AZ 2855 11oct17

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.503 | | 1367 | 477 |
| 1.53 | | 10711 | 13278 |
| 1.607 | | 4244 | 3454 |
| 1.683 | | 7463 | 18601 |
| 1.761 | | 18716 | 43637 |
| 1.794 | | 16937 | 18953 |
| 1.816 | | 20204 | 29218 |
| 1.864 | | 14964 | 25073 |
| 1.902 | | 126185 | 143052 |
| 1.967 | | 21332 | 35599 |
| 2.029 | | 38166 | 37378 |
| 2.124 | | 12722 | 14988 |
| 2.158 | | 5592 | 5881 |
| 2.18 | | 2750 | 1743 |
| 2.223 | | 8646 | 4911 |
| 2.276 | | 15005 | 9396 |
| 2.322 | | 11525 | 13199 |
| 2.361 | | 2895 | 2588 |
| 2.387 | | 6658 | 5031 |
| 2.415 | | 8808 | 6888 |
| 2.508 | | 11258 | 13189 |
| 2.526 | | 28646 | 19020 |
| 2.592 | TCX | 16620990 | 10162940 |
| 2.635 | | 76712 | 42056 |
| 2.691 | | 8741 | 7565 |
| 2.763 | | 267909 | 202462 |
| 2.809 | | 163149 | 77048 |
| 2.824 | | 249669 | 131285 |
| 2.876 | | 1340818 | 887338 |
| 2.925 | | 40893 | 22423 |
| 2.949 | | 5087 | 3463 |
| 2.987 | | 186267 | 120816 |
| 3.033 | | 5104 | 4158 |
| 3.084 | | 1700873 | 1701522 |
| 3.135 | | 206176 | 125422 |
| 3.156 | | 95240 | 55198 |
| 3.181 | | 148919 | 80443 |
| 3.205 | | 1628211 | 1111990 |
| 3.242 | | 62747 | 37317 |
| 3.269 | | 62423 | 31159 |
| 3.289 | | 421571 | 217793 |
| 3.304 | | 242967 | 121585 |
| 3.354 | | 823793 | 387494 |
| 3.364 | | 1815297 | 786960 |
| 3.383 | | 63415 | 22727 |
| 3.397 | | 1685870 | 1145931 |
| 3.471 | | 1828152 | 1154137 |
| 3.506 | | 1311918 | 802289 |
| 3.53 | | 1393486 | 759008 |
| 3.547 | | 445024 | 221132 |
| 3.633 | | 1550078 | 1034550 |
| 3.655 | | 597456 | 323511 |
| 3.676 | | 585066 | 339076 |
| 3.704 | | 361491 | 181275 |

| | | | |
|---|---|---|---|
| 3.721 | | 1295408 | 789207 |
| 3.762 | | 473449 | 342271 |
| 3.81 | | 64541 | 56688 |
| 3.832 | | 333450 | 196198 |
| 3.854 | | 1744874 | 1115735 |
| 3.878 | | 363202 | 211684 |
| 3.897 | | 58890 | 28378 |
| 3.917 | | 218656 | 137857 |
| 3.952 | | 1407069 | 970098 |
| 3.986 | | 56970 | 31644 |
| 4 | | 104162 | 65561 |
| 4.049 | | 8677 | 4332 |
| 4.095 | | 89167 | 84849 |
| 4.152 | | 378232 | 271155 |
| 4.193 | | 421719 | 262771 |
| 4.212 | | 333848 | 178192 |
| 4.226 | | 1060053 | 587311 |
| 4.251 | | 586313 | 593825 |
| 4.303 | | 3192197 | 2441203 |
| 4.351 | | 42512 | 31535 |
| 4.373 | | 259056 | 174405 |
| 4.397 | | 711002 | 535666 |
| 4.439 | | 3994192 | 3062361 |
| 4.541 | | 2868941 | 2980593 |
| 4.593 | | 387157 | 318911 |
| 4.632 | | 902769 | 771409 |
| 4.668 | | 3725218 | 3131595 |
| 4.7 | | 2006272 | 1467296 |
| 4.738 | | 1443658 | 1117345 |
| 4.837 | | 450477 | 328275 |
| 4.854 | | 41661 | 23954 |
| 4.888 | | 2644500 | 2015912 |
| 4.911 | | 295515 | 185644 |
| 4.962 | | 1300153 | 1204077 |
| 4.997 | | 696240 | 550428 |
| 5.028 | | 549280 | 431496 |
| 5.06 | | 191388 | 114299 |
| 5.082 | | 6113648 | 5199741 |
| 5.124 | | 109713 | 79380 |
| 5.154 | | 236779 | 185730 |
| 5.274 | | 73206 | 46042 |
| 5.298 | | 1341948 | 1136705 |
| 5.343 | | 4053723 | 4734410 |
| 5.498 | | 161487 | 138292 |
| 5.544 | | 95441 | 70446 |
| 5.567 | | 104246 | 77938 |
| 5.616 | | 781105 | 715910 |
| 5.724 | | 1760743 | 1509252 |
| 5.756 | | 87418 | 60067 |
| 5.925 | | 614807 | 570639 |
| 6.084 | DCB | 14597910 | 13404840 |
| 6.255 | | 6574 | 10032 |
| 6.535 | | 12772 | 15911 |
| 6.71 | | 2925 | 3802 |
| 6.772 | | 4344 | 3975 |
| 7.376 | | 1773 | 1876 |
| 7.588 | | 2248 | 4102 |
| 7.816 | | 1245 | 1206 |
| 8.163 | | 10554 | 19463 |

AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

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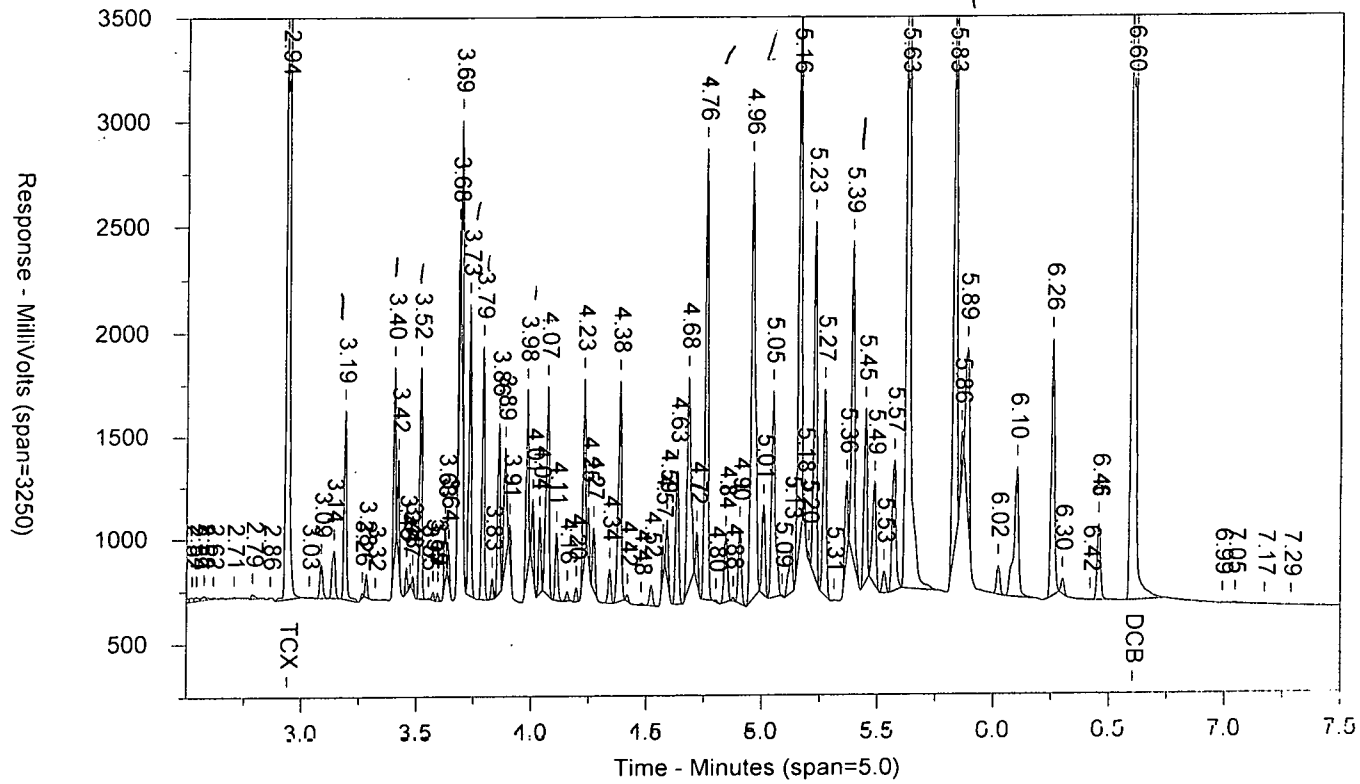


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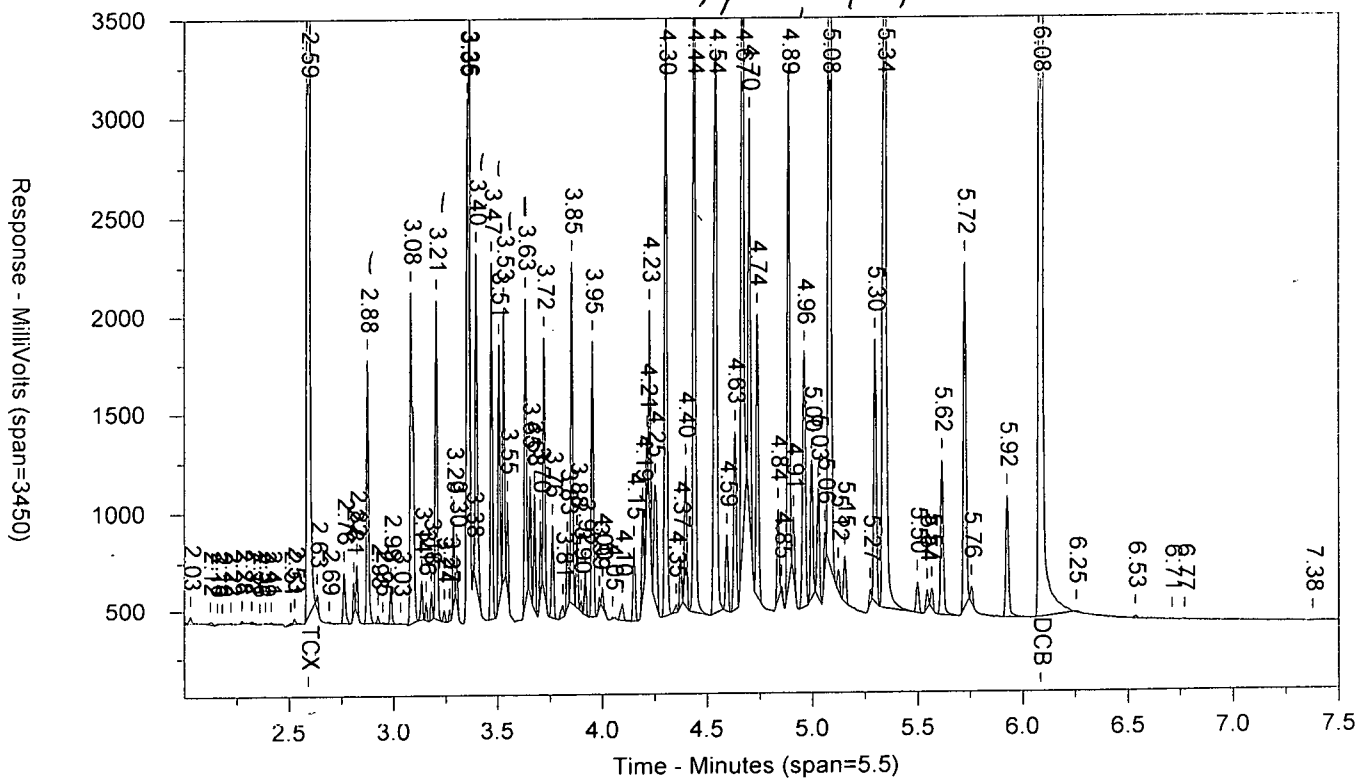

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 10747070 | 38.639 | TCX | 2.592 | 16620990 | 45.52 | TCX |
| 6.603 | 7885810 | 40.843 | DCB | 6.084 | 14597910 | 42.333 | DCB |

Files:
Area File: 07PCBS17284001.0010.RAW
Area File: 07PCBS17284001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:54:38 PM
File Reported On: 10/11/2017 at 8:54:47 PM

AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

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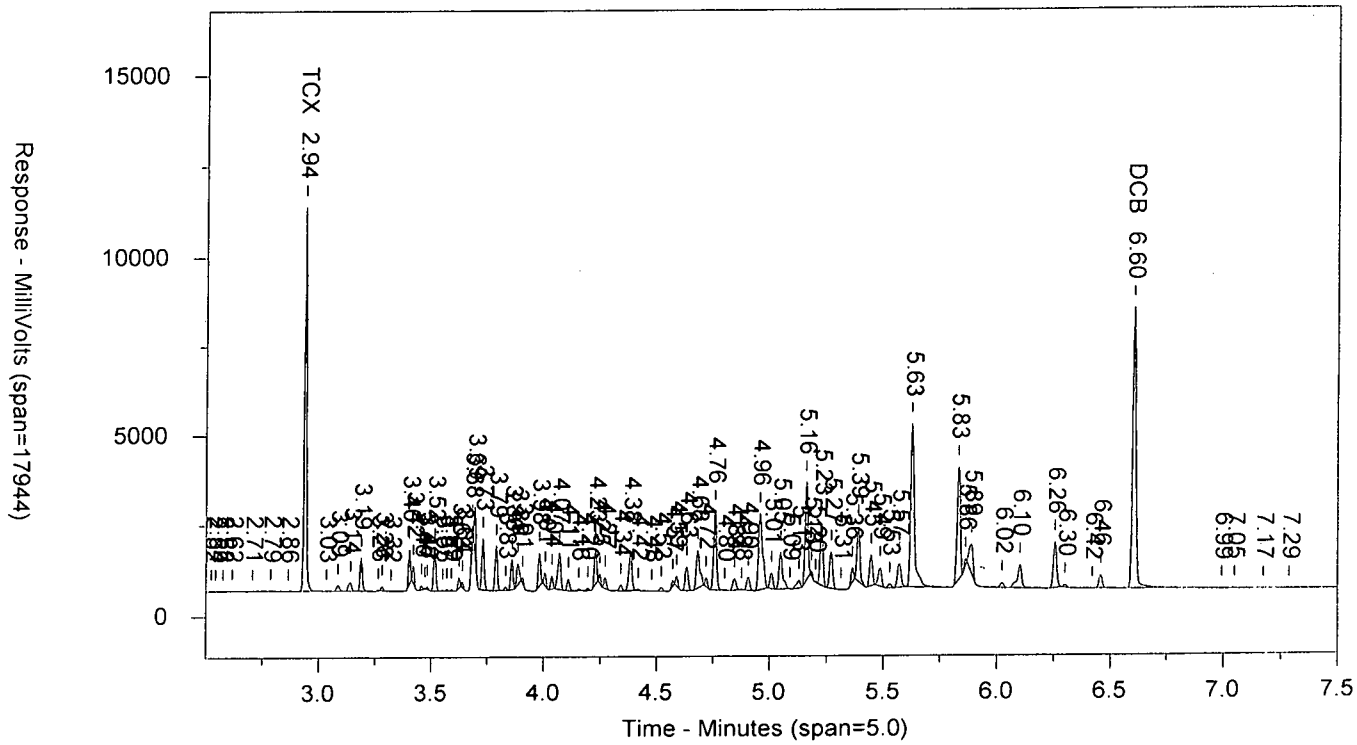


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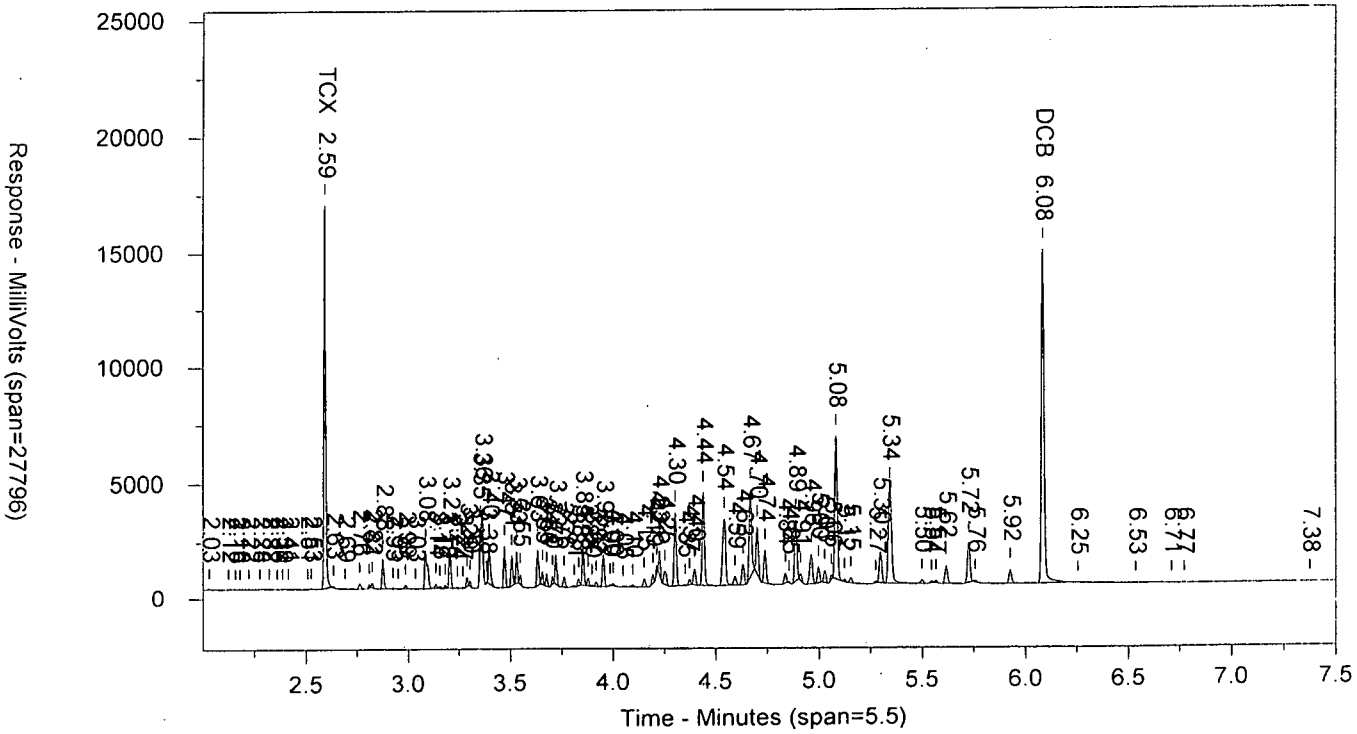
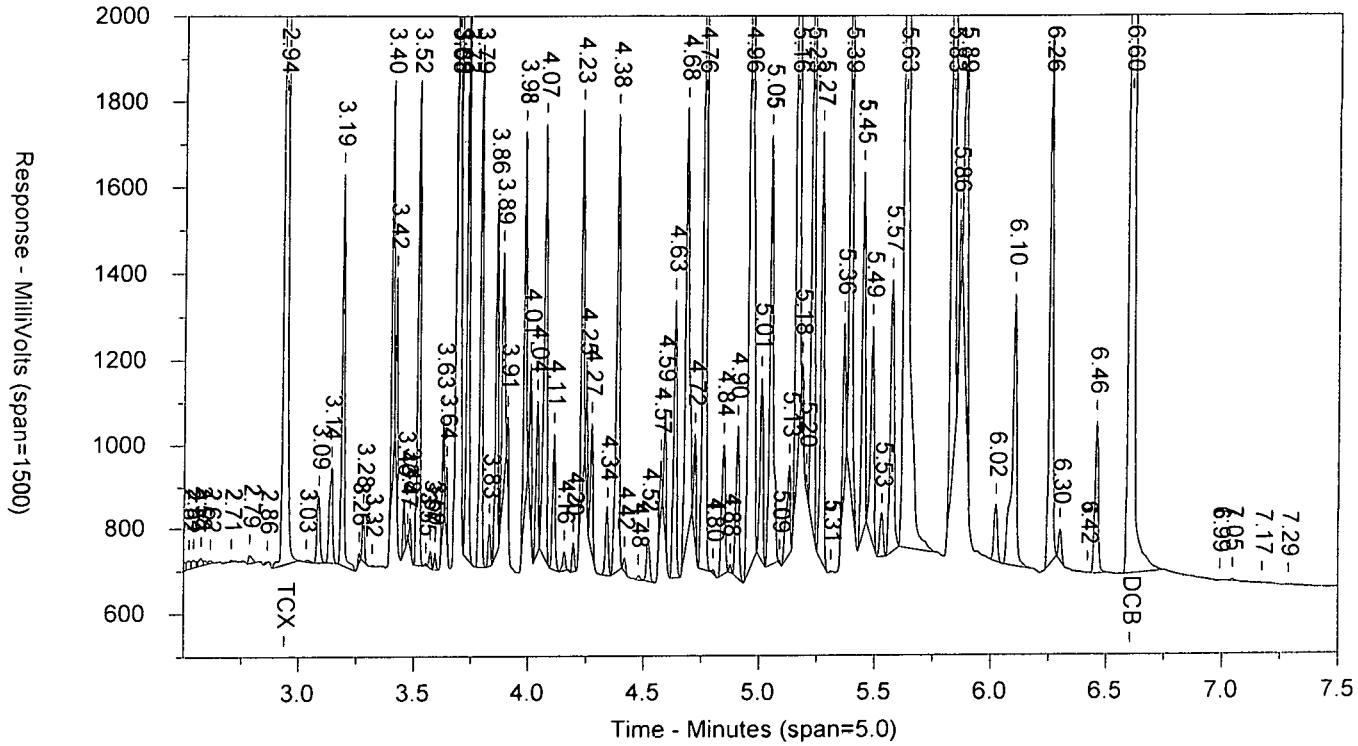


AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0010.RAW

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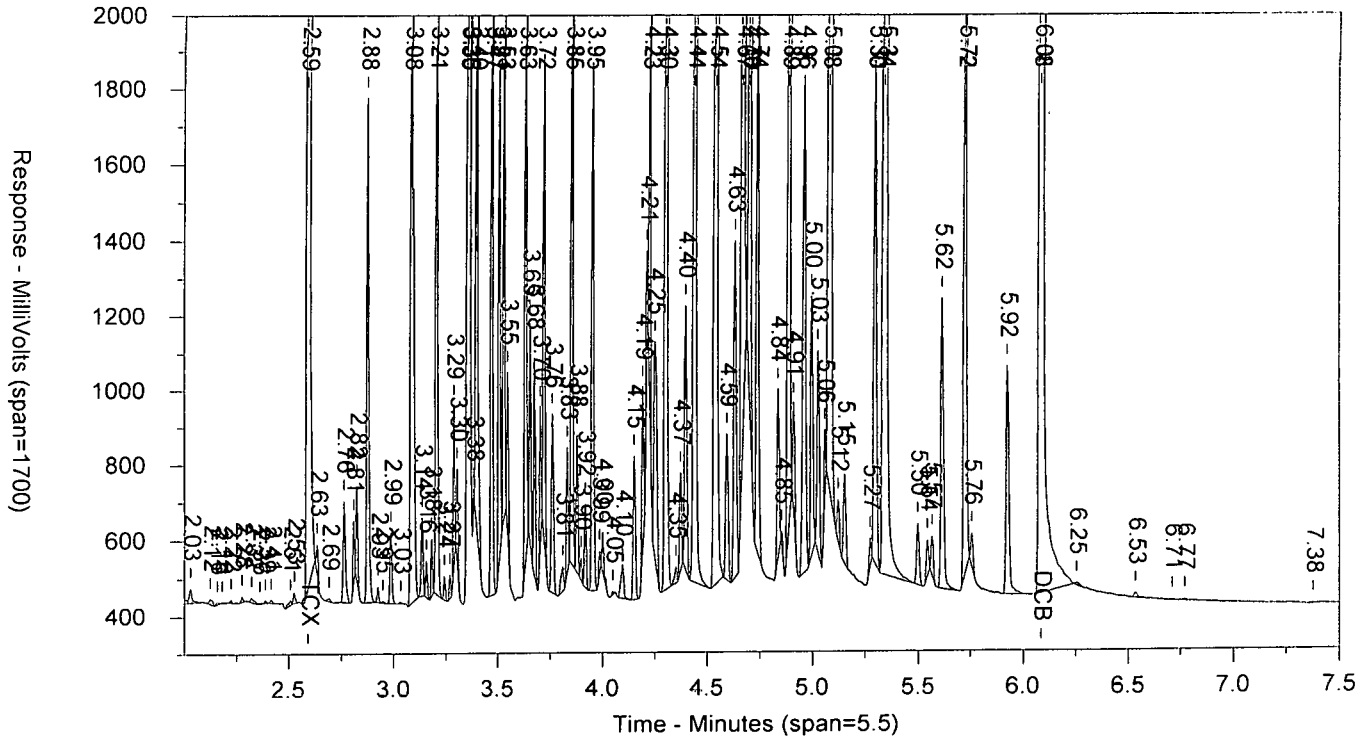

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.518 | | 3851 | 2924 |
| 1.594 | | 14531 | 36714 |
| 1.701 | | 5461 | 3820 |
| 1.738 | | 4164 | 4362 |
| 1.781 | | 2555 | 1058 |
| 1.917 | | 7001 | 4943 |
| 1.977 | | 1542 | 1365 |
| 2.06 | | 22676 | 47014 |
| 2.093 | | 24497 | 36158 |
| 2.128 | | 19984 | 29705 |
| 2.165 | | 5127 | 3079 |
| 2.209 | | 1897 | 904 |
| 2.235 | | 84959 | 58955 |
| 2.333 | | 19518 | 11125 |
| 2.429 | | 8416 | 6687 |
| 2.498 | | 17751 | 21349 |
| 2.524 | | 21808 | 27315 |
| 2.545 | | 16326 | 23310 |
| 2.575 | | 31146 | 31504 |
| 2.616 | | 10994 | 9943 |
| 2.707 | | 9466 | 8058 |
| 2.786 | | 21563 | 26335 |
| 2.852 | | 3236 | 1401 |
| 2.901 | | 5174 | 5184 |
| 2.937 | TCX | 16314750 | 10793570 |
| 3.039 | | 7790 | 11113 |
| 3.085 | | 387968 | 350642 |
| 3.141 | | 508889 | 455820 |
| 3.188 | | 2159377 | 1531634 |
| 3.264 | | 30755 | 17178 |
| 3.281 | | 280807 | 181580 |
| 3.322 | | 6297 | 3398 |
| 3.403 | | 2286460 | 1315939 |
| 3.419 | | 1094760 | 585304 |
| 3.457 | | 283063 | 161979 |
| 3.472 | | 41399 | 15384 |
| 3.483 | | 176672 | 85708 |
| 3.516 | | 2808996 | 1974943 |
| 3.553 | | 14274 | 6911 |
| 3.572 | | 51798 | 30310 |
| 3.592 | | 103782 | 66253 |
| 3.625 | | 630052 | 357108 |
| 3.64 | | 355816 | 174201 |
| 3.683 | | 1636763 | 815783 |
| 3.694 | | 2991113 | 1478481 |
| 3.73 | | 3354816 | 2470650 |
| 3.789 | | 2999850 | 2146425 |
| 3.83 | | 232116 | 161589 |
| 3.858 | | 1932255 | 1378669 |
| 3.884 | | 1377186 | 1122099 |
| 3.906 | | 343762 | 186217 |
| 3.98 | | 2151702 | 1516831 |
| 4.005 | | 799945 | 511976 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.036 | | 873397 | 619660 |
| 4.069 | | 2374107 | 2240354 |
| 4.109 | | 749384 | 589664 |
| 4.155 | | 117867 | 101995 |
| 4.194 | | 162722 | 125001 |
| 4.229 | | 2200067 | 1614799 |
| 4.248 | | 550548 | 305753 |
| 4.271 | | 686334 | 527757 |
| 4.341 | | 388978 | 321134 |
| 4.383 | | 2512294 | 2335592 |
| 4.417 | | 79254 | 55654 |
| 4.479 | | 27804 | 22189 |
| 4.52 | | 254332 | 235199 |
| 4.571 | | 337213 | 211919 |
| 4.588 | | 603405 | 416098 |
| 4.633 | | 1653623 | 1411393 |
| 4.681 | | 2453658 | 2716824 |
| 4.718 | | 567992 | 401562 |
| 4.757 | | 5258045 | 4700288 |
| 4.801 | | 29037 | 22462 |
| 4.844 | | 746815 | 771991 |
| 4.877 | | 48828 | 30068 |
| 4.904 | | 830545 | 772305 |
| 4.956 | | 5223461 | 6307468 |
| 5.006 | | 1014591 | 917616 |
| 5.046 | | 2348139 | 2646952 |
| 5.088 | | 15055 | 7611 |
| 5.127 | | 484617 | 582505 |
| 5.161 | | 7037652 | 6047379 |
| 5.182 | | 277868 | 136774 |
| 5.202 | | 87477 | 40053 |
| 5.227 | | 3996110 | 3641682 |
| 5.27 | | 2480657 | 2275765 |
| 5.364 | | 883599 | 746709 |
| 5.389 | | 3639979 | 3316878 |
| 5.446 | | 2069534 | 1788444 |
| 5.486 | | 1128997 | 1183972 |
| 5.527 | | 235535 | 249021 |
| 5.569 | | 1501646 | 1691084 |
| 5.626 | | 11916030 | 12656200 |
| 5.831 | | 7743584 | 7223196 |
| 5.862 | | 429728 | 273146 |
| 5.886 | | 1869820 | 2051009 |
| 6.022 | | 292668 | 292444 |
| 6.102 | | 1448699 | 1973023 |
| 6.256 | | 2863802 | 2862805 |
| 6.301 | | 179970 | 153358 |
| 6.458 | | 794230 | 820018 |
| 6.605 | DCB | 12173620 | 12089460 |
| 6.999 | | 2144 | 844 |
| 7.05 | | 7977 | 9269 |
| 7.21 | | 1696 | 1193 |
| 7.295 | | 1726 | 587 |
| 7.668 | | 1653 | 742 |
| 7.784 | | 1513 | 314 |
| 7.799 | | 1987 | 573 |
| 7.983 | | 1218 | 452 |
| 8.071 | | 1423 | 318 |
| 8.097 | | 1454 | 572 |
| 8.124 | | 1287 | 337 |
| 8.368 | | 2116 | 498 |
| 8.427 | | 1329 | 540 |
| 8.459 | | 1351 | 871 |
| 8.58 | | 2235 | 3523 |

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.502 | | 2327 | 803 |
| 1.53 | | 6873 | 5951 |
| 1.559 | | 6237 | 4796 |
| 1.607 | | 10345 | 7298 |
| 1.651 | | 3667 | 6698 |
| 1.712 | | 18274 | 21915 |
| 1.771 | | 8764 | 20956 |
| 1.798 | | 5431 | 5422 |
| 1.817 | | 13849 | 10237 |
| 1.903 | | 148232 | 111576 |
| 1.969 | | 11944 | 24418 |
| 2.03 | | 56123 | 46467 |
| 2.125 | | 19158 | 18711 |
| 2.162 | | 4961 | 4847 |
| 2.184 | | 3338 | 2525 |
| 2.224 | | 15565 | 12333 |
| 2.276 | | 41046 | 30902 |
| 2.321 | | 14578 | 11480 |
| 2.388 | | 4664 | 2797 |
| 2.416 | | 14209 | 9865 |
| 2.509 | | 13813 | 10852 |
| 2.525 | | 28855 | 17907 |
| 2.548 | | 4618 | 2763 |
| 2.592 | TCX | 25066130 | 15454780 |
| 2.635 | | 203358 | 121394 |
| 2.691 | | 11224 | 8402 |
| 2.741 | | 1742 | 1067 |
| 2.763 | | 635610 | 494367 |
| 2.809 | | 224369 | 102836 |
| 2.824 | | 570721 | 325401 |
| 2.876 | | 3103431 | 2061917 |
| 2.925 | | 60072 | 33932 |
| 2.951 | | 6402 | 5176 |
| 2.987 | | 428390 | 289644 |
| 3.034 | | 6119 | 5225 |
| 3.084 | | 4004865 | 3980198 |
| 3.135 | | 495946 | 299361 |
| 3.156 | | 231598 | 132442 |
| 3.181 | | 337069 | 189900 |
| 3.205 | | 4071064 | 2652796 |
| 3.242 | | 156494 | 96260 |
| 3.27 | | 77311 | 36923 |
| 3.289 | | 1030258 | 524518 |
| 3.304 | | 602755 | 280273 |
| 3.354 | | 1894521 | 929520 |
| 3.363 | | 4601910 | 1917828 |
| 3.383 | | 139667 | 49509 |
| 3.397 | | 4263534 | 2806925 |
| 3.47 | | 4526304 | 2799988 |
| 3.506 | | 2955980 | 1851698 |
| 3.529 | | 3189301 | 1755407 |
| 3.547 | | 965686 | 481098 |
| 3.6 | | 3534 | 3130 |
| 3.632 | | 3620226 | 2406536 |

| | | | |
|---|---|---|---|
| 3.655 | | 1359549 | 716996 |
| 3.675 | | 1284530 | 762440 |
| 3.703 | | 857410 | 441032 |
| 3.72 | | 3163714 | 1860193 |
| 3.762 | | 1070763 | 784590 |
| 3.81 | | 154334 | 135551 |
| 3.832 | | 712245 | 433105 |
| 3.854 | | 4120641 | 2584778 |
| 3.878 | | 835592 | 477715 |
| 3.896 | | 125322 | 60610 |
| 3.917 | | 472451 | 298358 |
| 3.952 | | 3307990 | 2239510 |
| 3.985 | | 137575 | 78577 |
| 4 | | 246556 | 152288 |
| 4.062 | | 29215 | 30074 |
| 4.095 | | 230123 | 224041 |
| 4.151 | | 861235 | 629110 |
| 4.193 | | 970501 | 586241 |
| 4.212 | | 726109 | 368460 |
| 4.225 | | 2471526 | 1361086 |
| 4.251 | | 1365878 | 1374923 |
| 4.303 | | 7806091 | 5884494 |
| 4.351 | | 98869 | 79109 |
| 4.372 | | 627173 | 416132 |
| 4.397 | | 1673805 | 1247440 |
| 4.439 | | 9659049 | 7427140 |
| 4.54 | | 7546782 | 7341528 |
| 4.593 | | 929854 | 769796 |
| 4.632 | | 2183261 | 1827577 |
| 4.668 | | 9371669 | 7790252 |
| 4.7 | | 6292896 | 3606863 |
| 4.738 | | 3532645 | 2728057 |
| 4.807 | | 7931 | 4060 |
| 4.837 | | 1064224 | 779851 |
| 4.855 | | 134621 | 63191 |
| 4.887 | | 6540140 | 5001723 |
| 4.91 | | 723518 | 450456 |
| 4.961 | | 3225658 | 2877087 |
| 4.997 | | 1640010 | 1297460 |
| 5.027 | | 1259535 | 1035021 |
| 5.059 | | 536276 | 318413 |
| 5.082 | | 15673990 | 13263050 |
| 5.124 | | 292417 | 203874 |
| 5.154 | | 549061 | 437907 |
| 5.274 | | 176226 | 109715 |
| 5.298 | | 3358291 | 2703370 |
| 5.343 | | 9873970 | 11665840 |
| 5.498 | | 351278 | 303712 |
| 5.545 | | 240415 | 179483 |
| 5.568 | | 260936 | 184890 |
| 5.616 | | 1936575 | 1682220 |
| 5.725 | | 4198902 | 3642649 |
| 5.757 | | 203476 | 150554 |
| 5.925 | | 1347992 | 1242558 |
| 6.085 | DCB | 22380170 | 20264900 |
| 6.258 | | 13193 | 13367 |
| 6.538 | | 17906 | 21027 |
| 6.711 | | 3445 | 2929 |
| 6.808 | | 2599 | 7124 |
| 8.004 | | 2236 | 9582 |
| 8.095 | | 1806 | 3199 |
| 8.171 | | 9362 | 16698 |

AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

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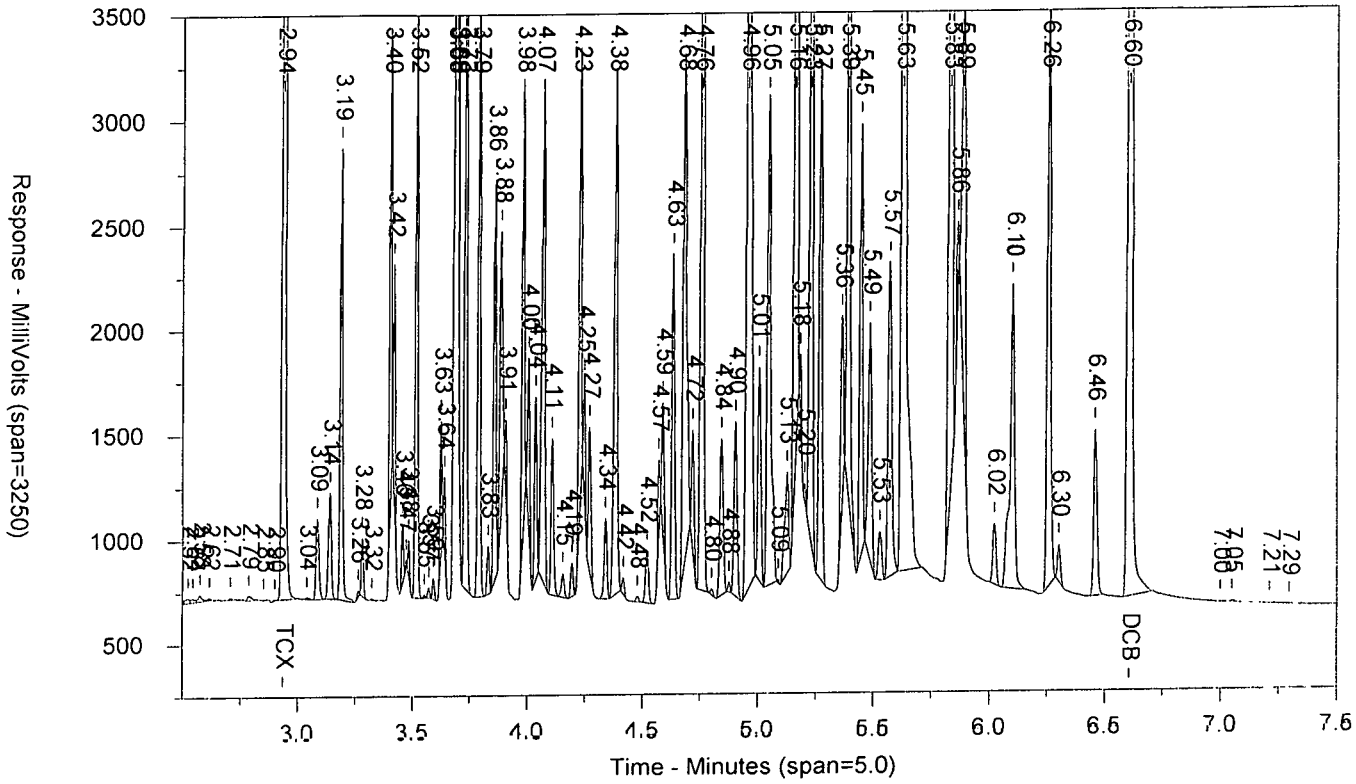


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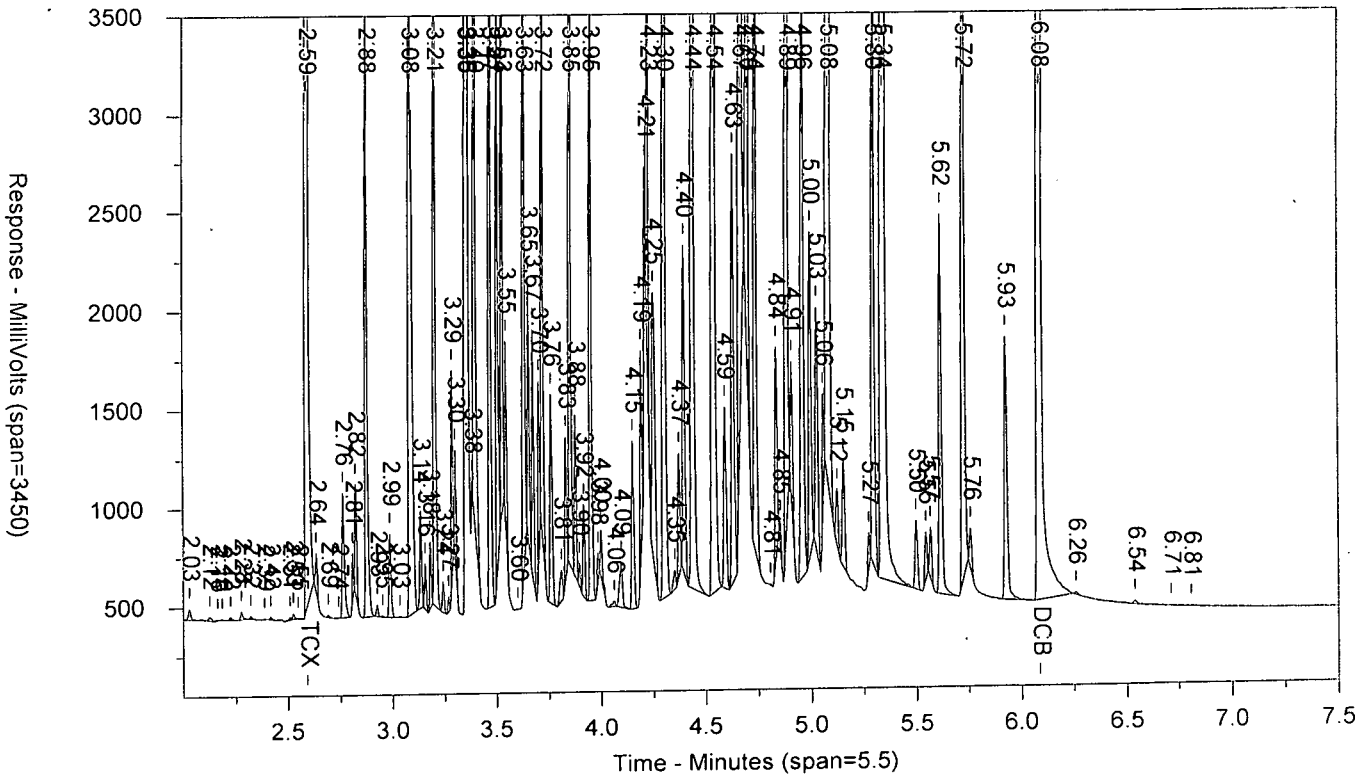


LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

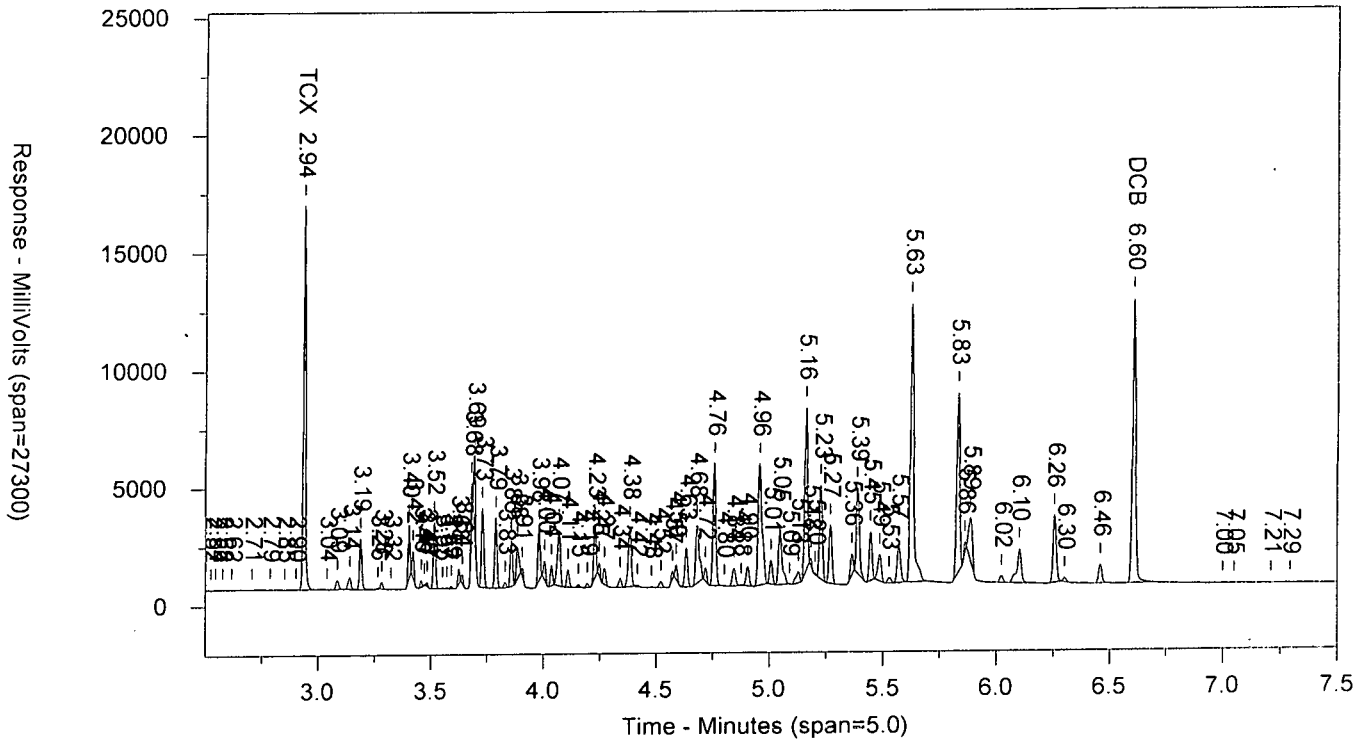
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 16314750 | 58.897 | TCX | 2.592 | 25066130 | 64.855 | TCX |
| 6.605 | 12173620 | 62.003 | DCB | 6.085 | 22380170 | 62.597 | DCB |

Files:
Area File: 07PCBS17284001.0011.RAW
Area File: 07PCBS17284001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:06:05 PM
File Reported On: 10/11/2017 at 9:06:15 PM

AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0011.RAW

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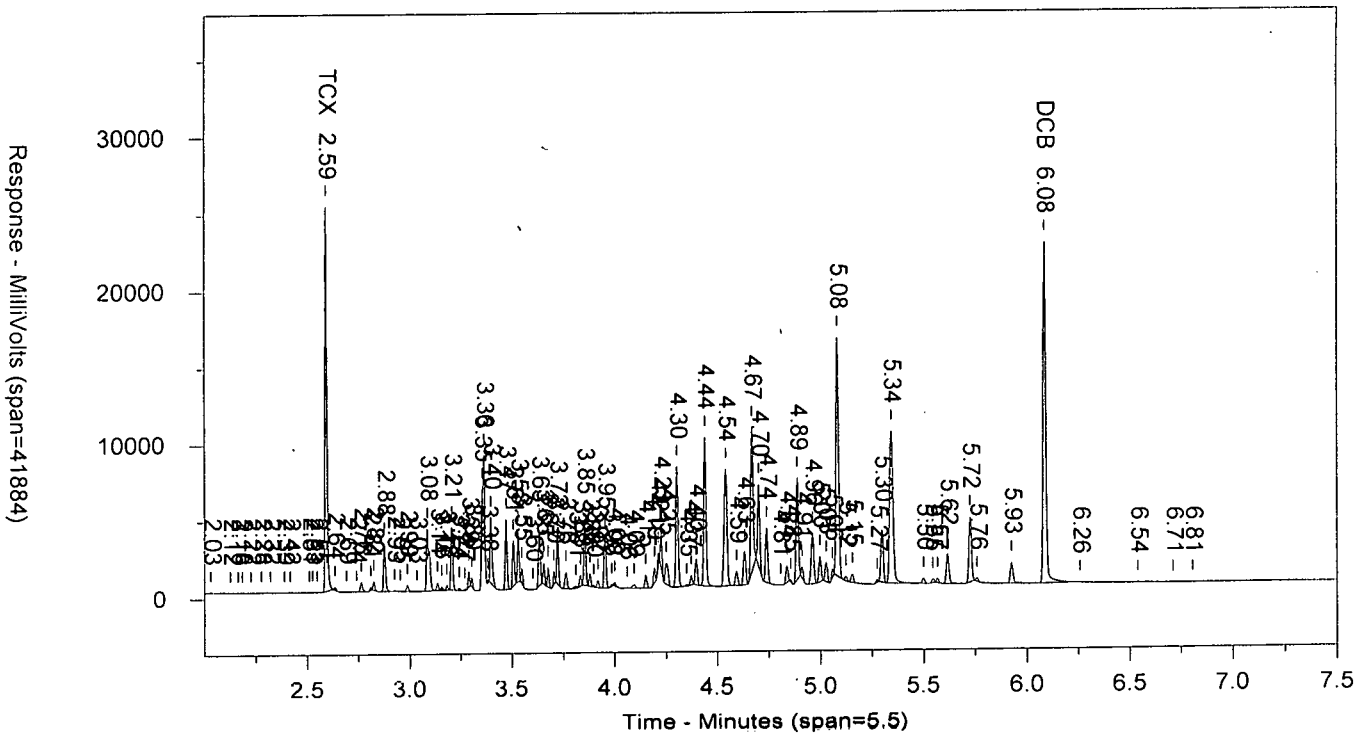
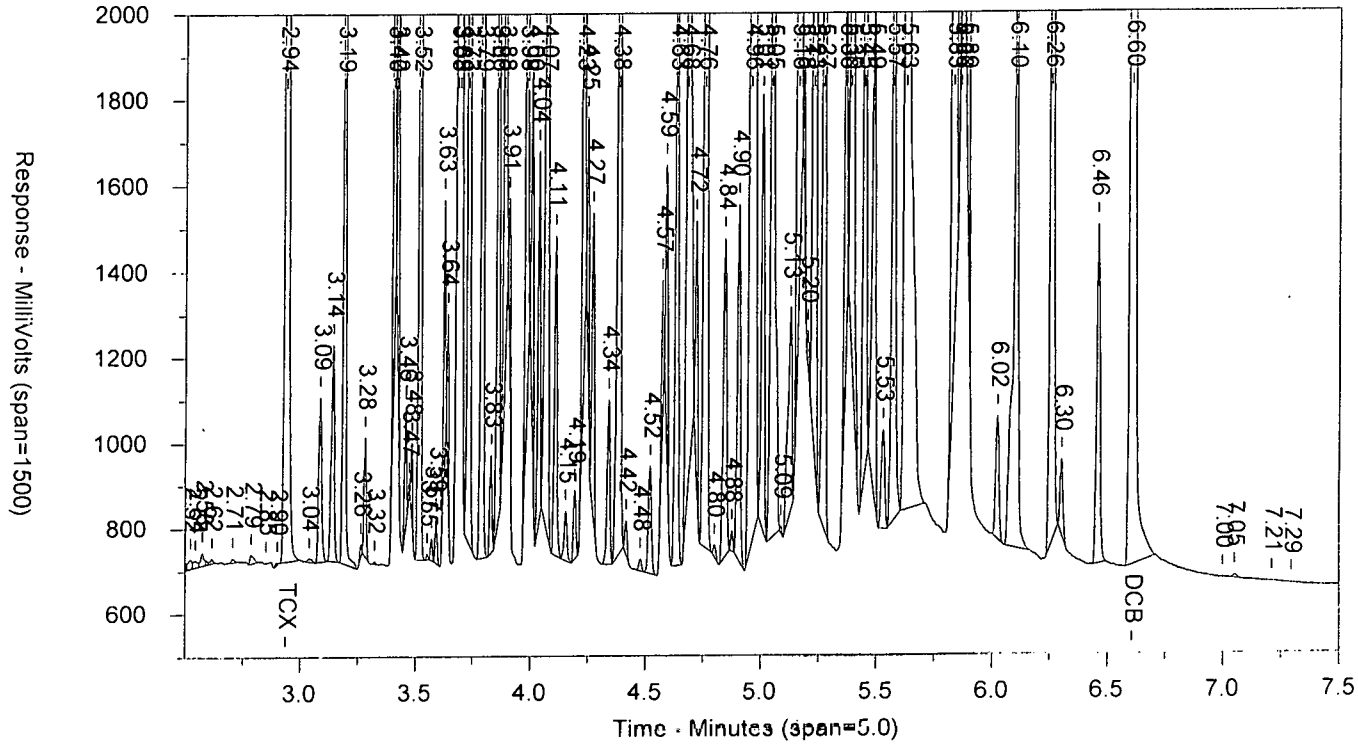


AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0011.RAW

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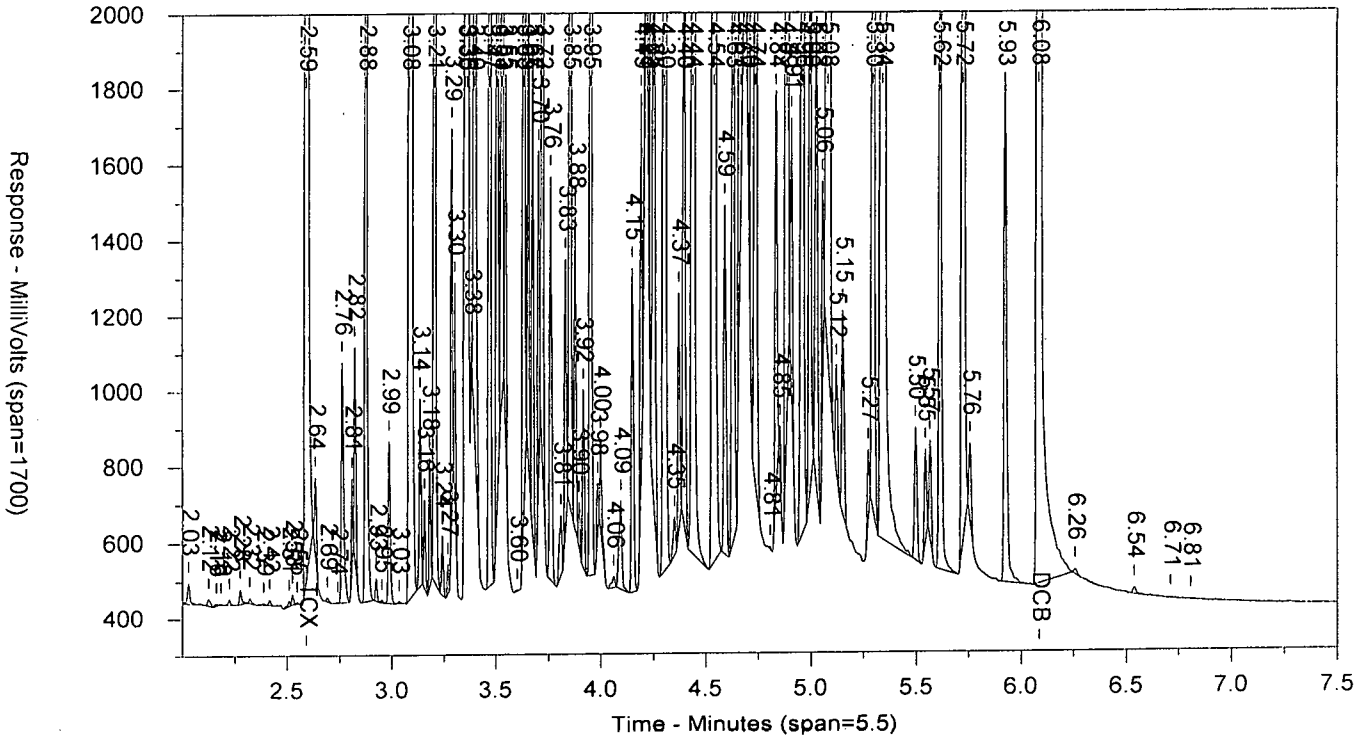

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.517 | | 3548 | 3379 |
| 1.577 | | 23901 | 24343 |
| 1.616 | | 7533 | 24253 |
| 1.736 | | 5044 | 4051 |
| 1.781 | | 5632 | 4161 |
| 1.811 | | 1580 | 1046 |
| 1.972 | | 2711 | 2365 |
| 2.066 | | 11488 | 36906 |
| 2.087 | | 7529 | 8931 |
| 2.175 | | 5275 | 7196 |
| 2.191 | | 2914 | 1185 |
| 2.235 | | 101289 | 70017 |
| 2.343 | | 40289 | 39096 |
| 2.438 | | 2856 | 2358 |
| 2.5 | | 14635 | 19653 |
| 2.545 | | 11179 | 13612 |
| 2.574 | | 49412 | 46221 |
| 2.659 | | 2883 | 1483 |
| 2.763 | | 4393 | 3374 |
| 2.787 | | 22313 | 20947 |
| 2.856 | | 4878 | 2933 |
| 2.898 | | 8696 | 7757 |
| 2.937 | TCX | 22371720 | 14568980 |
| 3.036 | | 8207 | 4454 |
| 3.086 | | 706188 | 643945 |
| 3.141 | | 946125 | 791466 |
| 3.189 | | 4353892 | 2915011 |
| 3.264 | | 39905 | 20321 |
| 3.282 | | 534417 | 352758 |
| 3.322 | | 15088 | 10162 |
| 3.403 | | 4363358 | 2613899 |
| 3.42 | | 2182107 | 1165930 |
| 3.457 | | 546243 | 318702 |
| 3.472 | | 75254 | 28069 |
| 3.484 | | 317568 | 167681 |
| 3.518 | | 5480231 | 3937904 |
| 3.554 | | 28910 | 15339 |
| 3.573 | | 87705 | 51358 |
| 3.592 | | 190429 | 120157 |
| 3.627 | | 1282650 | 729969 |
| 3.641 | | 667303 | 332377 |
| 3.684 | | 3394646 | 1745189 |
| 3.695 | | 7053975 | 3247053 |
| 3.732 | | 7049666 | 5097024 |
| 3.791 | | 6224809 | 4470913 |
| 3.832 | | 461600 | 322925 |
| 3.859 | | 4113554 | 2841096 |
| 3.886 | | 2910907 | 2306298 |
| 3.907 | | 787334 | 380708 |
| 3.956 | | 2826 | 947 |
| 3.982 | | 4605629 | 3168039 |
| 4.006 | | 1618682 | 1070531 |
| 4.037 | | 1781270 | 1247161 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.071 | | 5172310 | 4716843 |
| 4.11 | | 1506886 | 1198119 |
| 4.156 | | 245633 | 194661 |
| 4.196 | | 326139 | 243423 |
| 4.23 | | 4984339 | 3466519 |
| 4.249 | | 1232141 | 662494 |
| 4.272 | | 1402361 | 1072318 |
| 4.342 | | 736319 | 640474 |
| 4.385 | | 5325303 | 4856173 |
| 4.418 | | 152729 | 103016 |
| 4.481 | | 44879 | 35366 |
| 4.523 | | 384094 | 350135 |
| 4.573 | | 642502 | 406560 |
| 4.59 | | 1284744 | 847393 |
| 4.633 | | 3389065 | 2933153 |
| 4.683 | | 5322963 | 5746125 |
| 4.72 | | 1226963 | 828513 |
| 4.759 | | 11456500 | 10127100 |
| 4.804 | | 44843 | 34239 |
| 4.845 | | 1531084 | 1580652 |
| 4.877 | | 93276 | 55701 |
| 4.906 | | 1645360 | 1578911 |
| 4.957 | | 12147320 | 13589600 |
| 5.008 | | 2116732 | 1879118 |
| 5.049 | | 5366723 | 5693724 |
| 5.091 | | 46186 | 20788 |
| 5.129 | | 1042858 | 1180385 |
| 5.162 | | 15551560 | 13403820 |
| 5.184 | | 656862 | 353877 |
| 5.203 | | 147961 | 60702 |
| 5.229 | | 8634327 | 7694268 |
| 5.271 | | 5197066 | 4782876 |
| 5.366 | | 1926235 | 1542330 |
| 5.391 | | 7554198 | 6749232 |
| 5.448 | | 4038881 | 3639019 |
| 5.486 | | 2329435 | 2316277 |
| 5.529 | | 442511 | 466920 |
| 5.57 | | 2985632 | 3299213 |
| 5.628 | | 26880760 | 26922230 |
| 5.832 | | 17009030 | 15219920 |
| 5.863 | | 930486 | 603143 |
| 5.887 | | 3641986 | 4113621 |
| 6.022 | | 466430 | 457077 |
| 6.078 | | 75758 | 109404 |
| 6.102 | | 2412886 | 2243129 |
| 6.257 | | 5728261 | 5639398 |
| 6.301 | | 332022 | 314928 |
| 6.424 | | 2447 | 706 |
| 6.458 | | 1445189 | 1498977 |
| 6.604 | DCB | 16120760 | 16170950 |
| 6.903 | | 2159 | 3241 |
| 7.049 | | 8082 | 8204 |
| 7.23 | | 1747 | 572 |
| 7.253 | | 2749 | 2031 |
| 7.4 | | 1429 | 640 |
| 7.518 | | 1363 | 644 |
| 7.588 | | 2836 | 727 |
| 7.629 | | 1762 | 797 |
| 7.647 | | 1394 | 515 |
| 7.749 | | 2003 | 1912 |
| 8.083 | | 1703 | 403 |
| 8.116 | | 1275 | 726 |
| 8.149 | | 2107 | 1242 |
| 8.283 | | 1449 | 492 |
| 8.478 | | 1055 | 815 |
| 8.586 | | 1906 | 1512 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.65 | | 1011 | 283 |

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.532 | | 3742 | 2990 |
| 1.558 | | 4532 | 4720 |
| 1.65 | | 4886 | 4739 |
| 1.76 | | 7464 | 16075 |
| 1.796 | | 4361 | 3369 |
| 1.903 | | 170050 | 137370 |
| 1.966 | | 9181 | 20090 |
| 2.03 | | 63911 | 47752 |
| 2.124 | | 7561 | 9598 |
| 2.162 | | 4969 | 4852 |
| 2.223 | | 3616 | 3815 |
| 2.276 | | 78466 | 79554 |
| 2.387 | | 5302 | 4163 |
| 2.446 | | 4263 | 15117 |
| 2.507 | | 7839 | 11402 |
| 2.525 | | 35463 | 22934 |
| 2.548 | | 12404 | 7488 |
| 2.591 | TCX | 34191650 | 20835430 |
| 2.635 | | 404572 | 274056 |
| 2.763 | | 1179551 | 890744 |
| 2.809 | | 301139 | 136059 |
| 2.824 | | 1155827 | 655258 |
| 2.876 | | 6028575 | 3899909 |
| 2.925 | | 85784 | 48446 |
| 2.987 | | 835363 | 550329 |
| 3.063 | | 4149 | 1507 |
| 3.084 | | 7621568 | 7730588 |
| 3.135 | | 977411 | 602125 |
| 3.156 | | 439602 | 250253 |
| 3.181 | | 678238 | 377948 |
| 3.205 | | 7749760 | 5218844 |
| 3.242 | | 298548 | 174733 |
| 3.27 | | 125116 | 61049 |
| 3.289 | | 2041828 | 1073169 |
| 3.304 | | 1179346 | 560498 |
| 3.354 | | 4147586 | 2012747 |
| 3.364 | | 9672250 | 4203254 |
| 3.383 | | 241727 | 88347 |
| 3.397 | | 8675015 | 5810588 |
| 3.471 | | 9478493 | 5845727 |
| 3.507 | | 6197766 | 3843552 |
| 3.53 | | 6687272 | 3638367 |
| 3.547 | | 2038686 | 1011403 |
| 3.6 | | 6002 | 3808 |
| 3.633 | | 7861880 | 5049894 |
| 3.655 | | 2915193 | 1520882 |
| 3.675 | | 2728318 | 1588818 |
| 3.704 | | 1719022 | 885199 |
| 3.721 | | 6720860 | 4022599 |
| 3.762 | | 2243814 | 1619266 |
| 3.81 | | 288393 | 242859 |
| 3.832 | | 1592274 | 933934 |
| 3.854 | | 8742451 | 5520009 |
| 3.879 | | 1759784 | 1036405 |

| | | | |
|---|---|---|---|
| 3.898 | | 257217 | 121377 |
| 3.918 | | 966459 | 601272 |
| 3.953 | | 6962815 | 4743574 |
| 3.986 | | 268383 | 150438 |
| 4.001 | | 483237 | 305948 |
| 4.061 | | 54828 | 45887 |
| 4.096 | | 417407 | 349190 |
| 4.153 | | 1825907 | 1306751 |
| 4.194 | | 1986973 | 1210515 |
| 4.213 | | 1854937 | 876808 |
| 4.226 | | 5291458 | 2917657 |
| 4.252 | | 2901362 | 2874422 |
| 4.303 | | 17226660 | 12436750 |
| 4.352 | | 194615 | 132354 |
| 4.373 | | 1328527 | 871667 |
| 4.397 | | 3588742 | 2612099 |
| 4.44 | | 20732590 | 15773880 |
| 4.541 | | 15777320 | 15592650 |
| 4.593 | | 1945207 | 1569146 |
| 4.633 | | 4443517 | 3797627 |
| 4.668 | | 20892090 | 16754010 |
| 4.701 | | 11191890 | 7535342 |
| 4.739 | | 7547449 | 5740374 |
| 4.837 | | 2360232 | 1651613 |
| 4.855 | | 261068 | 124211 |
| 4.888 | | 13579080 | 10443540 |
| 4.912 | | 1497833 | 893638 |
| 4.961 | | 6726902 | 5901604 |
| 4.997 | | 3444613 | 2700834 |
| 5.028 | | 2755694 | 2136290 |
| 5.06 | | 1008709 | 610720 |
| 5.083 | | 33693180 | 27790540 |
| 5.124 | | 610691 | 448674 |
| 5.154 | | 1114496 | 876399 |
| 5.274 | | 357411 | 224634 |
| 5.298 | | 6862627 | 5457962 |
| 5.343 | | 21538650 | 23882810 |
| 5.46 | | 12114 | 5848 |
| 5.499 | | 557738 | 488465 |
| 5.545 | | 512998 | 370224 |
| 5.567 | | 385522 | 271950 |
| 5.617 | | 3747777 | 3310375 |
| 5.725 | | 8769067 | 7233428 |
| 5.757 | | 432066 | 293845 |
| 5.925 | | 2397072 | 2240744 |
| 6.084 | DCB | 29309520 | 26721890 |
| 6.259 | | 25335 | 27871 |
| 6.537 | | 21568 | 20064 |
| 6.707 | | 4351 | 4832 |
| 6.809 | | 2993 | 4035 |
| 6.926 | | 2821 | 3556 |
| 7.039 | | 2368 | 3013 |
| 7.269 | | 3656 | 9181 |
| 7.342 | | 2071 | 2509 |
| 7.961 | | 1622 | 2201 |
| 8.163 | | 9673 | 16486 |

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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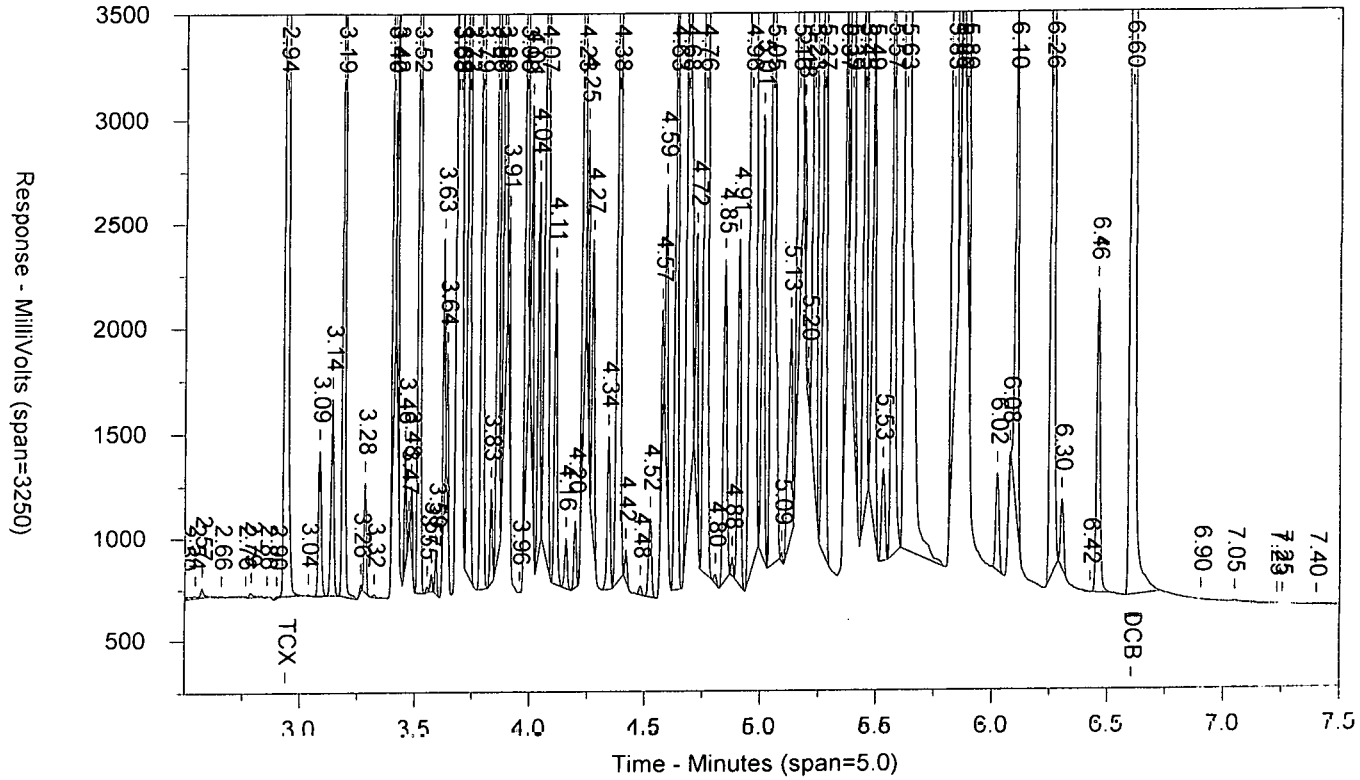


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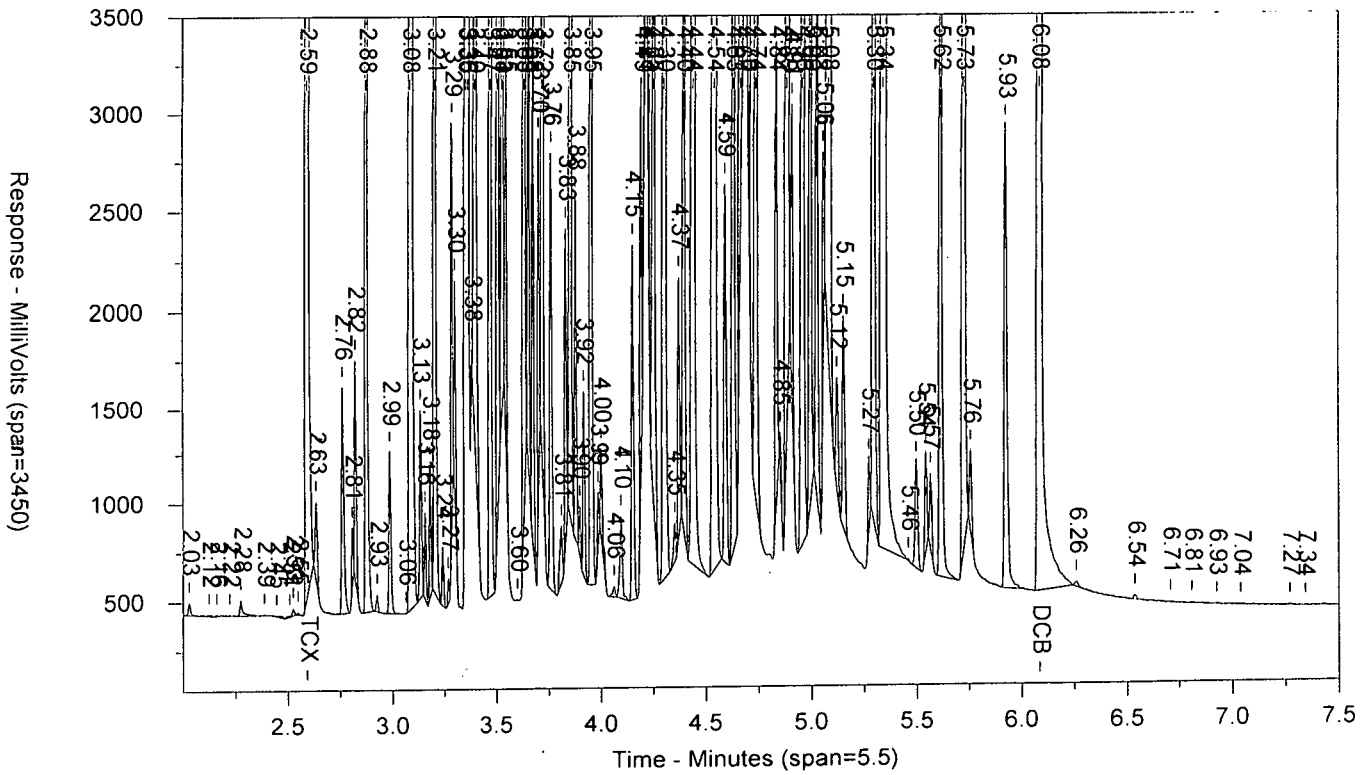

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 22371720 | 81.664 | TCX | 2.591 | 34191650 | 84.147 | TCX |
| 6.604 | 16120760 | 81.248 | DCB | 6.084 | 29309520 | 79.255 | DCB |

Files:
Area File: 07PCBS17284001.0012.RAW
Area File: 07PCBS17284001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:17:34 PM
File Reported On: 10/11/2017 at 9:17:41 PM

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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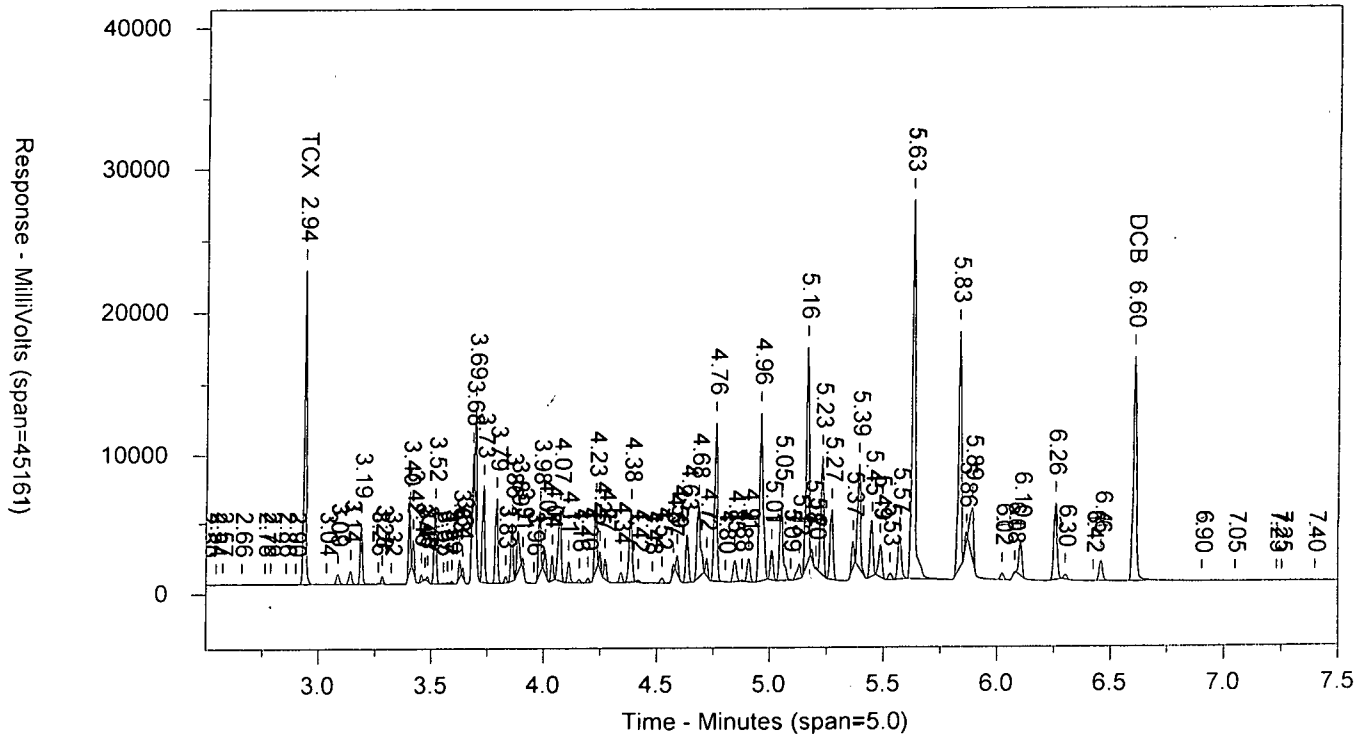


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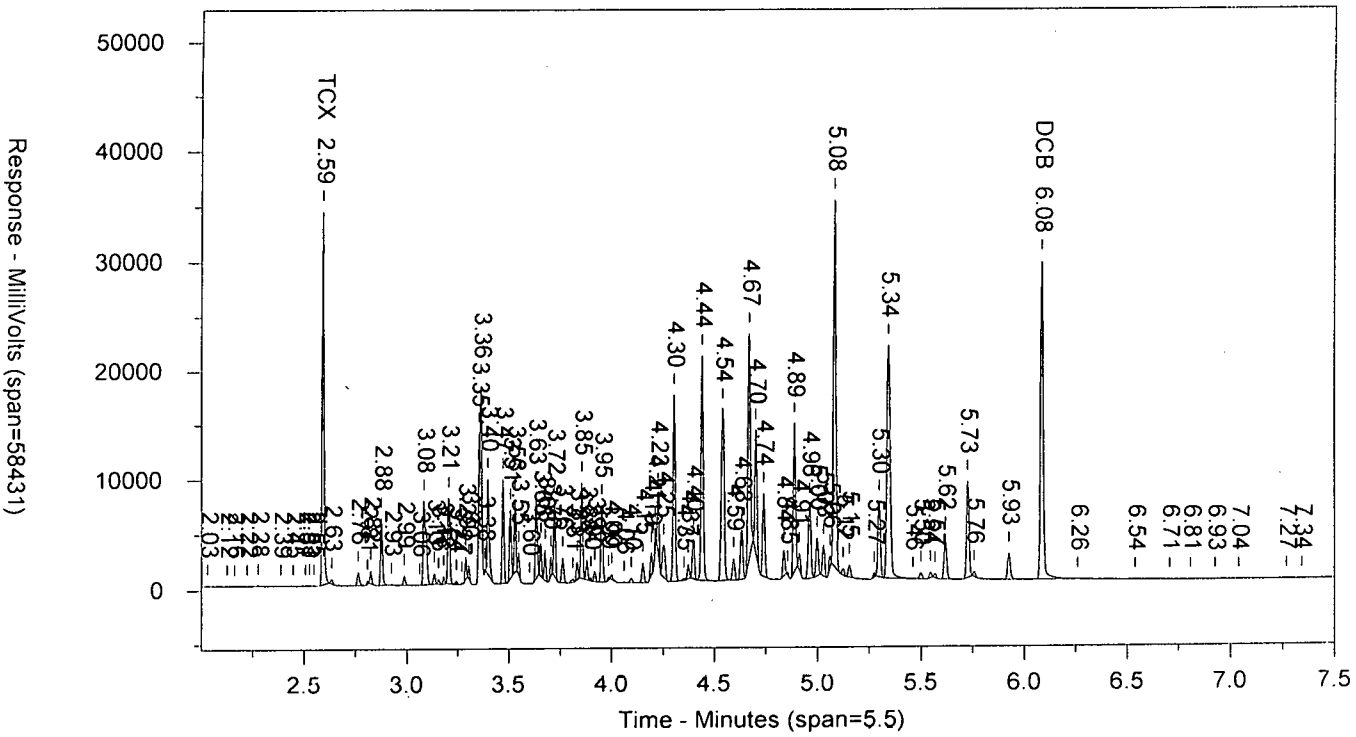

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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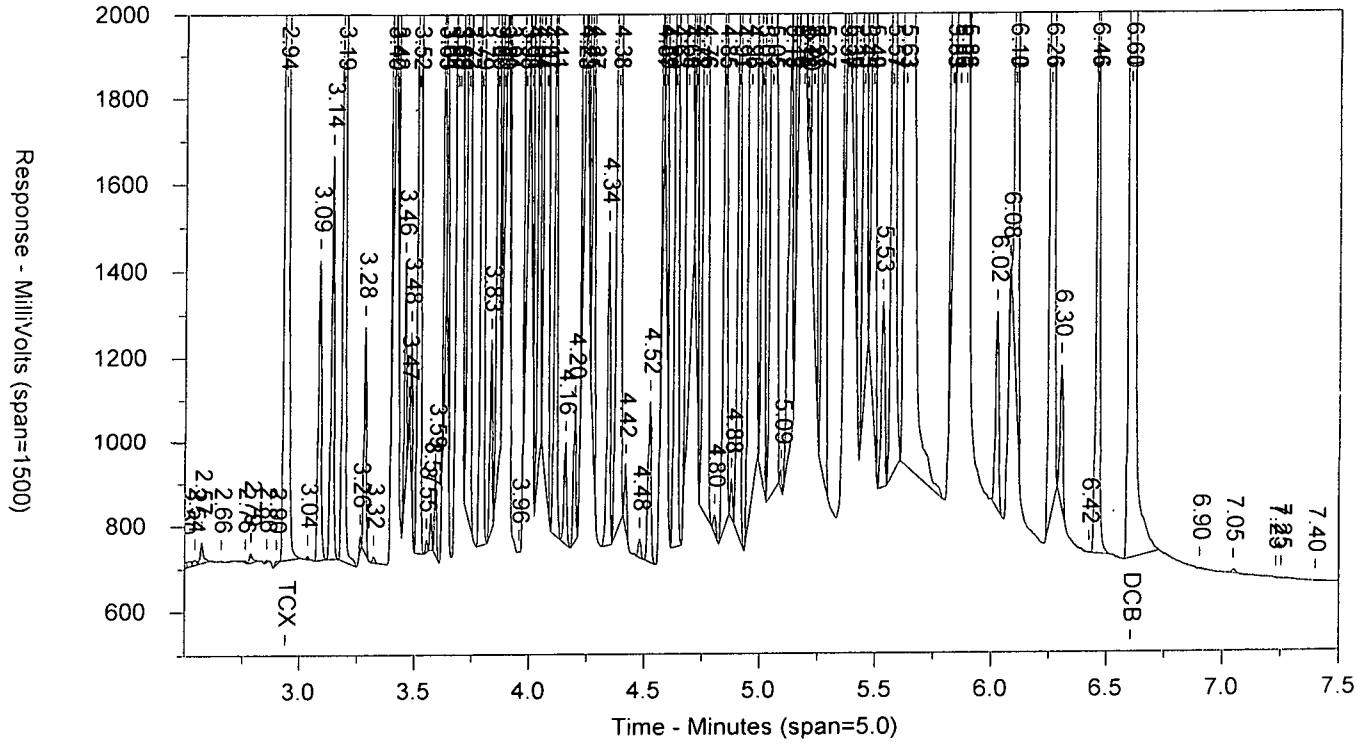


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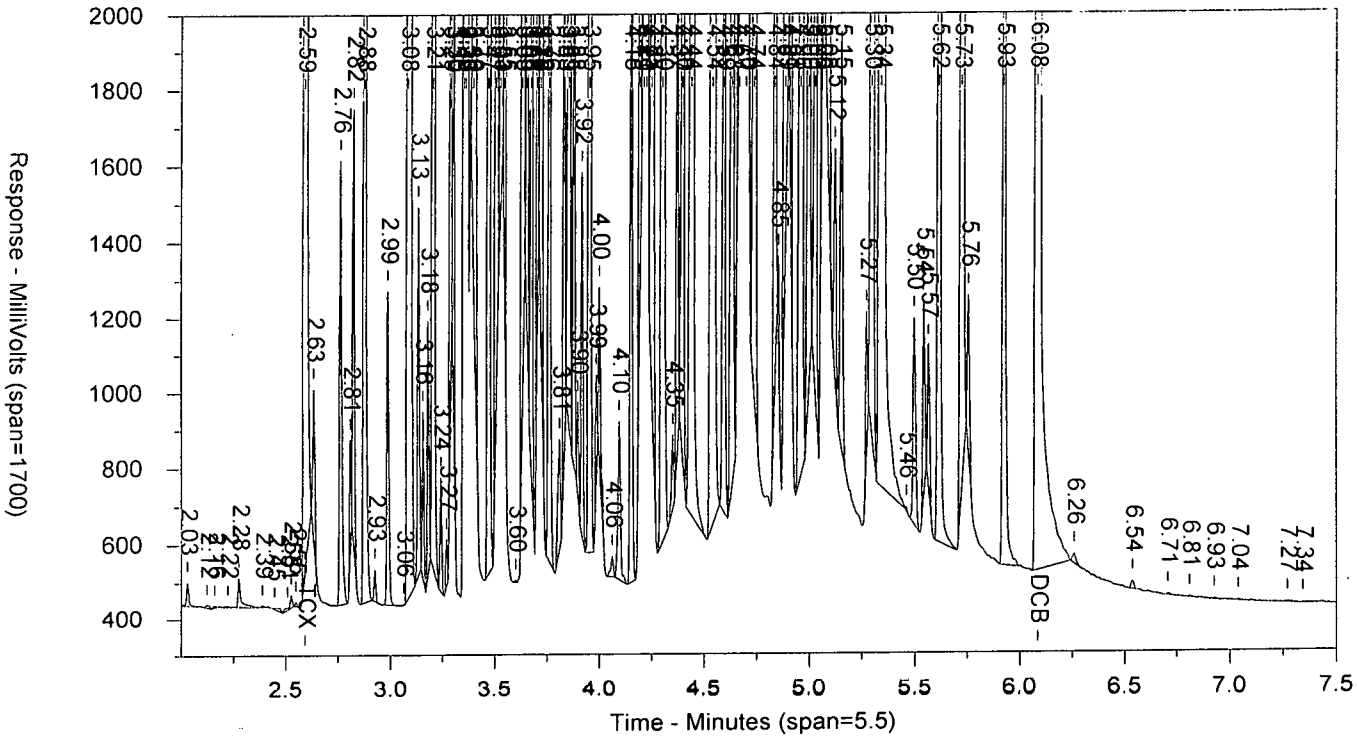

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.576 | | 25951 | 23375 |
| 1.615 | | 6772 | 22396 |
| 1.74 | | 2188 | 1943 |
| 1.786 | | 1951 | 1371 |
| 1.916 | | 2901 | 1991 |
| 2.069 | | 9312 | 34376 |
| 2.092 | | 5286 | 5671 |
| 2.199 | | 11348 | 37260 |
| 2.236 | | 6245 | 6899 |
| 2.333 | | 32921 | 21932 |
| 2.499 | | 5497 | 7739 |
| 2.594 | | 3420 | 1971 |
| 2.786 | | 31908 | 30077 |
| 2.826 | | 2219 | 1720 |
| 2.866 | | 15361 | 23708 |
| 2.909 | | 5125 | 9659 |
| 2.937 | TCX | 544010 | 385216 |
| 3.086 | | 6662 | 6398 |
| 3.135 | | 9455 | 8985 |
| 3.189 | | 28273 | 20978 |
| 3.281 | | 11909 | 24667 |
| 3.403 | | 83292 | 49748 |
| 3.42 | | 25417 | 13132 |
| 3.455 | | 6058 | 4117 |
| 3.518 | | 78093 | 55683 |
| 3.597 | | 7122 | 6734 |
| 3.626 | | 15465 | 8543 |
| 3.683 | | 77613 | 42470 |
| 3.695 | | 72550 | 32993 |
| 3.731 | | 99200 | 77463 |
| 3.79 | | 107616 | 79971 |
| 3.832 | | 14739 | 9296 |
| 3.859 | | 182921 | 132104 |
| 3.886 | | 121474 | 97482 |
| 3.907 | | 25654 | 12531 |
| 3.941 | | 1290 | 323 |
| 3.981 | | 209652 | 148493 |
| 4.006 | | 62642 | 40341 |
| 4.037 | | 76439 | 52629 |
| 4.07 | | 179884 | 161661 |
| 4.11 | | 60741 | 47684 |
| 4.157 | | 3296 | 1649 |
| 4.174 | | 6149 | 2860 |
| 4.196 | | 17863 | 12602 |
| 4.229 | | 158449 | 109004 |
| 4.248 | | 203311 | 128372 |
| 4.272 | | 227580 | 174034 |
| 4.341 | | 20673 | 17950 |
| 4.376 | | 160953 | 132987 |
| 4.395 | | 40895 | 21941 |
| 4.418 | | 58852 | 38708 |
| 4.458 | | 3583 | 2454 |
| 4.48 | | 11075 | 8906 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.522 | | 65929 | 56898 |
| 4.572 | | 94978 | 75569 |
| 4.604 | | 59709 | 46328 |
| 4.634 | | 154925 | 134144 |
| 4.684 | | 3434 | 2604 |
| 4.716 | | 52778 | 47267 |
| 4.758 | | 12868 | 15566 |
| 4.805 | | 12854 | 10466 |
| 4.847 | | 79456 | 77559 |
| 4.905 | | 4329 | 3547 |
| 4.958 | | 10010 | 8276 |
| 5.003 | | 1226 | 547 |
| 5.043 | | 61128 | 62596 |
| 5.162 | | 20289 | 18424 |
| 5.229 | | 5093 | 4650 |
| 5.266 | | 3817 | 6970 |
| 5.339 | | 1908 | 10031 |
| 5.354 | | 1997 | 397 |
| 5.371 | | 5067 | 4670 |
| 5.388 | | 1665 | 353 |
| 5.432 | | 3756 | 4053 |
| 5.495 | | 1738 | 1507 |
| 5.534 | | 1596 | 1529 |
| 5.568 | | 4668 | 5093 |
| 5.628 | | 5148 | 2681 |
| 5.655 | | 2794 | 2159 |
| 5.686 | | 1814 | 466 |
| 5.732 | | 2362 | 1831 |
| 5.832 | | 10505 | 10001 |
| 5.954 | | 3233 | 4539 |
| 6.025 | | 5106 | 4701 |
| 6.085 | | 4518 | 3334 |
| 6.156 | | 1528 | 1141 |
| 6.255 | | 5501 | 11059 |
| 6.343 | | 2286 | 1238 |
| 6.365 | | 1131 | 650 |
| 6.459 | | 8408 | 9215 |
| 6.493 | | 1637 | 1028 |
| 6.556 | | 1355 | 571 |
| 6.604 | DCB | 454831 | 468788 |
| 6.698 | | 1967 | 1340 |
| 6.758 | | 1478 | 1446 |
| 6.979 | | 1470 | 545 |
| 6.997 | | 1599 | 495 |
| 7.032 | | 1530 | 650 |
| 7.071 | | 1931 | 682 |
| 7.11 | | 1475 | 408 |
| 7.141 | | 2313 | 446 |
| 7.163 | | 1698 | 636 |
| 7.271 | | 1409 | 660 |
| 7.379 | | 1326 | 590 |
| 7.467 | | 1723 | 546 |
| 7.543 | | 1371 | 714 |
| 7.629 | | 1879 | 1053 |
| 7.694 | | 945 | 395 |
| 7.713 | | 1548 | 475 |
| 7.796 | | 1520 | 669 |
| 7.843 | | 1597 | 662 |
| 7.872 | | 1266 | 428 |
| 7.943 | | 2395 | 1491 |
| 7.988 | | 1780 | 380 |
| 8.036 | | 1967 | 825 |
| 8.085 | | 1437 | 542 |
| 8.324 | | 1555 | 639 |
| 8.361 | | 1440 | 551 |
| 8.399 | | 1866 | 753 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.547 | | 1319 | 761 |
| 8.625 | | 1769 | 1092 |
| 8.666 | | 1730 | 738 |
| 8.684 | | 980 | 481 |

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 2989 | 2281 |
| 1.671 | | 2279 | 1587 |
| 1.722 | | 7974 | 4987 |
| 1.773 | | 8904 | 28092 |
| 1.798 | | 2508 | 2195 |
| 1.9 | | 56555 | 35718 |
| 1.966 | | 9195 | 14025 |
| 2.134 | | 7706 | 7004 |
| 2.159 | | 3594 | 3660 |
| 2.185 | | 2629 | 1656 |
| 2.32 | | 4194 | 5252 |
| 2.387 | | 2886 | 2165 |
| 2.508 | | 8834 | 13336 |
| 2.526 | | 52053 | 41703 |
| 2.591 | TCX | 806274 | 518697 |
| 2.688 | | 3145 | 2789 |
| 2.765 | | 10454 | 12576 |
| 2.809 | | 10892 | 7157 |
| 2.824 | | 4949 | 2603 |
| 2.877 | | 42423 | 29994 |
| 2.926 | | 2851 | 1393 |
| 2.948 | | 2668 | 1925 |
| 2.987 | | 8908 | 5651 |
| 3.084 | | 150782 | 140653 |
| 3.135 | | 9982 | 5329 |
| 3.161 | | 4630 | 4006 |
| 3.181 | | 3120 | 1593 |
| 3.205 | | 113617 | 75772 |
| 3.244 | | 5384 | 3563 |
| 3.271 | | 2712 | 1405 |
| 3.289 | | 24549 | 12258 |
| 3.305 | | 15621 | 8307 |
| 3.354 | | 97650 | 45974 |
| 3.363 | | 90813 | 41196 |
| 3.384 | | 22408 | 8896 |
| 3.397 | | 111136 | 68701 |
| 3.471 | | 156550 | 100354 |
| 3.507 | | 277744 | 174092 |
| 3.529 | | 249448 | 139848 |
| 3.547 | | 79352 | 40594 |
| 3.594 | | 4578 | 4021 |
| 3.632 | | 326195 | 210928 |
| 3.655 | | 103984 | 56017 |
| 3.676 | | 112175 | 64066 |
| 3.704 | | 51734 | 26008 |
| 3.721 | | 231689 | 138576 |
| 3.762 | | 88685 | 61991 |
| 3.81 | | 16390 | 14052 |
| 3.832 | | 162801 | 101719 |
| 3.855 | | 428408 | 270866 |
| 3.879 | | 286876 | 174796 |
| 3.897 | | 22897 | 10177 |
| 3.918 | | 36693 | 21797 |
| 3.953 | | 132412 | 89465 |

| | | | |
|---|---|---|---|
| 3.987 | | 216218 | 168214 |
| 4.014 | | 102601 | 55849 |
| 4.048 | | 6896 | 3482 |
| 4.062 | | 10974 | 5706 |
| 4.096 | | 71229 | 51634 |
| 4.153 | | 135676 | 98565 |
| 4.185 | | 77563 | 53139 |
| 4.212 | | 201017 | 149527 |
| 4.25 | | 4929 | 4242 |
| 4.304 | | 85055 | 77381 |
| 4.341 | | 18445 | 14249 |
| 4.373 | | 112786 | 83394 |
| 4.441 | | 18441 | 12223 |
| 4.465 | | 8408 | 5574 |
| 4.539 | | 21554 | 26967 |
| 4.59 | | 110906 | 89792 |
| 4.628 | | 7562 | 7790 |
| 4.669 | | 35336 | 32354 |
| 4.74 | | 3473 | 2537 |
| 4.889 | | 6354 | 4110 |
| 4.912 | | 10397 | 9593 |
| 4.965 | | 3486 | 3776 |
| 5.061 | | 4063 | 2980 |
| 5.084 | | 12860 | 12034 |
| 5.194 | | 5921 | 8172 |
| 5.272 | | 1571 | 1405 |
| 5.299 | | 4420 | 3409 |
| 5.346 | | 9091 | 9284 |
| 5.499 | | 7661 | 7616 |
| 5.568 | | 6904 | 6025 |
| 5.617 | | 2346 | 2529 |
| 5.724 | | 5512 | 5839 |
| 5.927 | | 10371 | 8904 |
| 6.085 | DCB | 817446 | 799641 |
| 7.717 | | 1353 | 1793 |
| 7.965 | | 1450 | 1141 |
| 8.168 | | 10031 | 17810 |

AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

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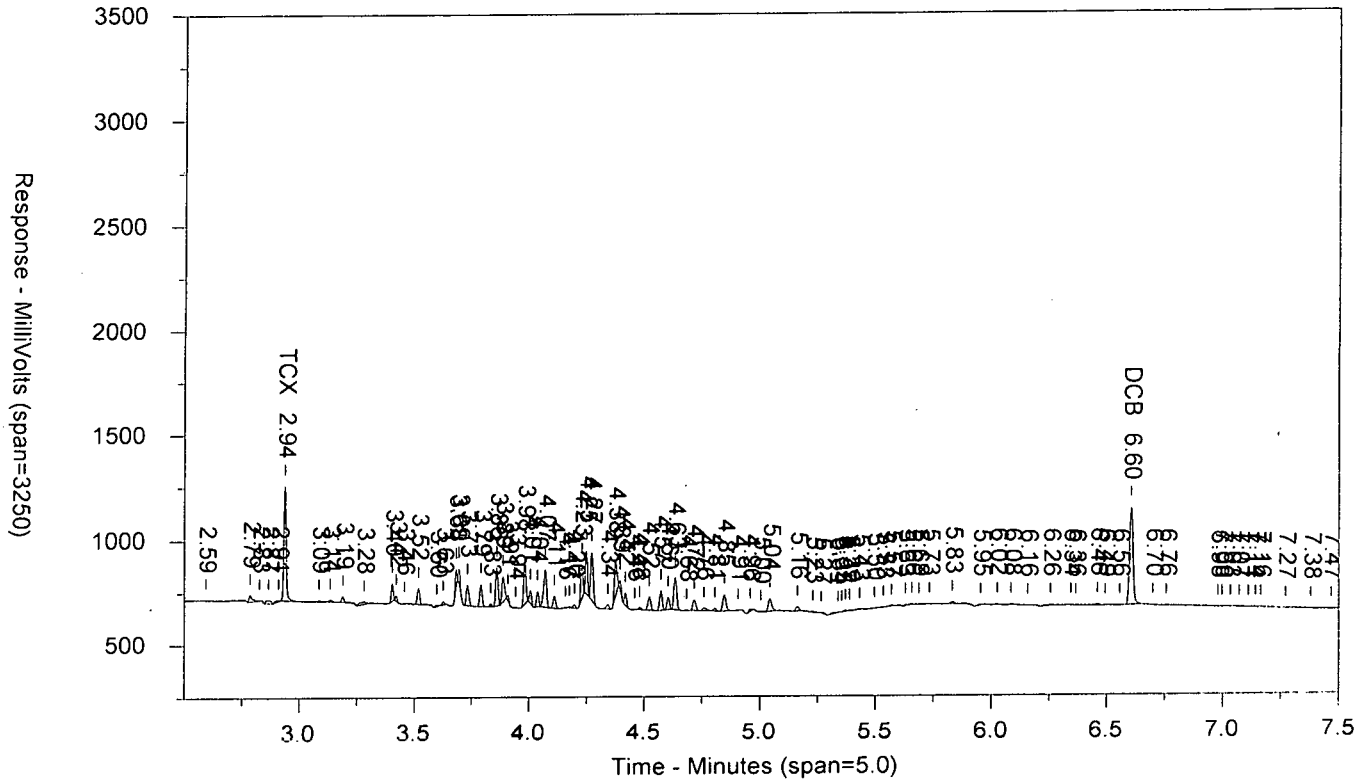


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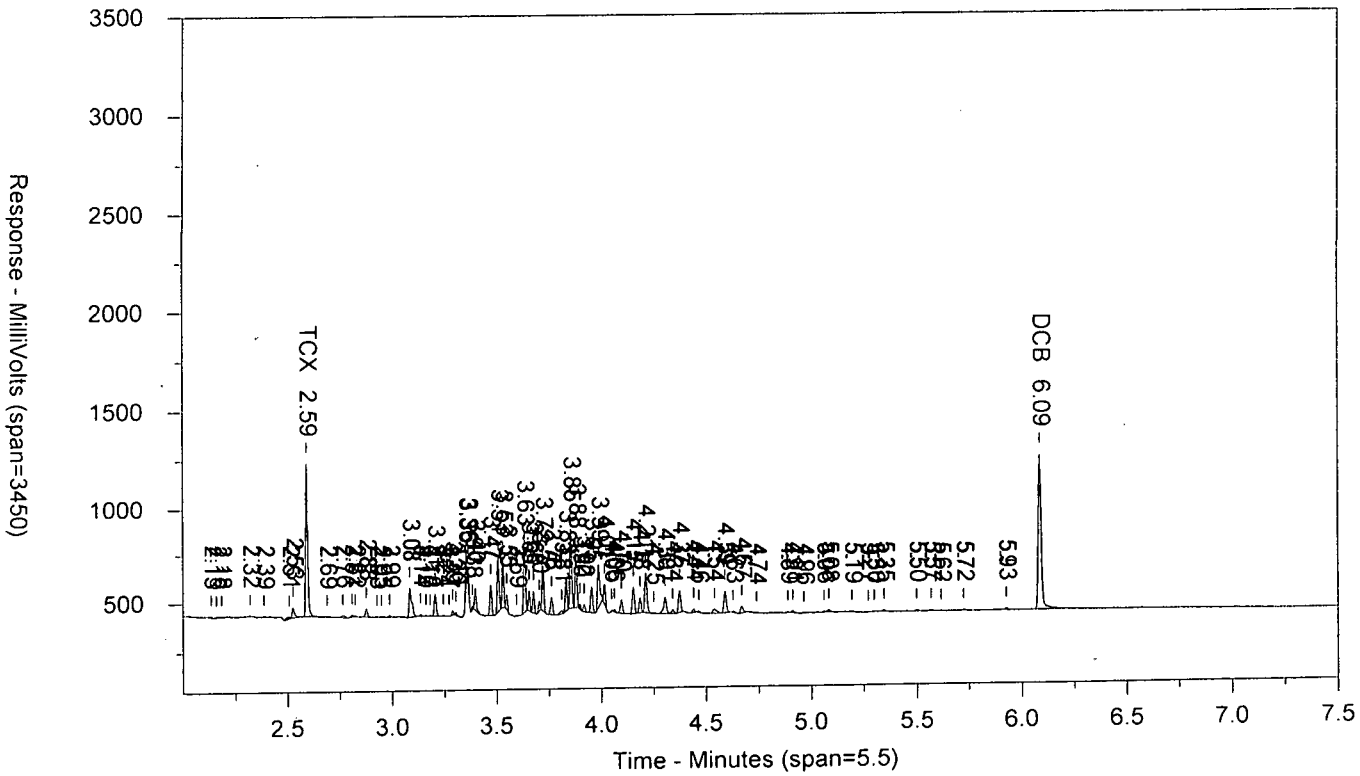

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 544010 | 1.985 | TCX | 2.591 | 806274 | 1.945 | TCX |
| 6.604 | 454831 | 2.254 | DCB | 6.085 | 817446 | 2.159 | DCB |

Files:
Area File: 07PCBS17284001.0013.RAW
Area File: 07PCBS17284001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:28:56 PM
File Reported On: 10/11/2017 at 9:29:05 PM

AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

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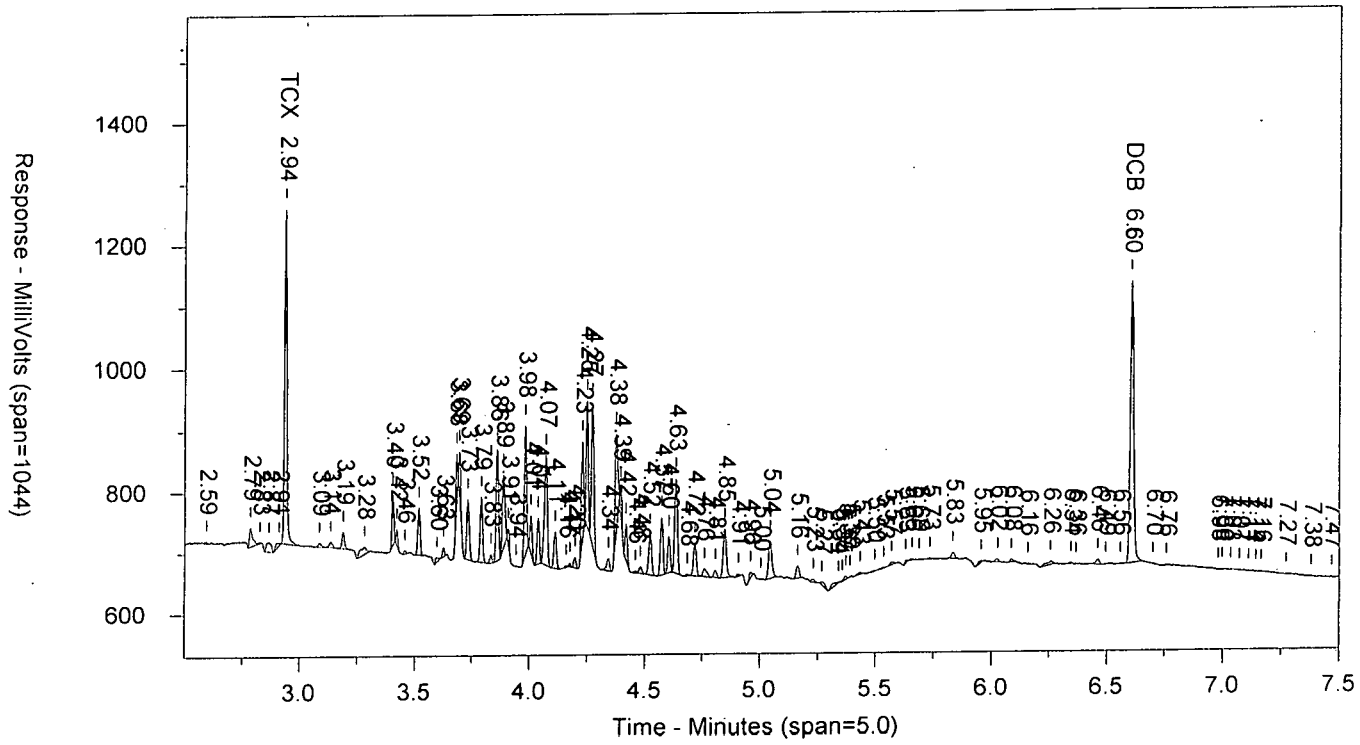


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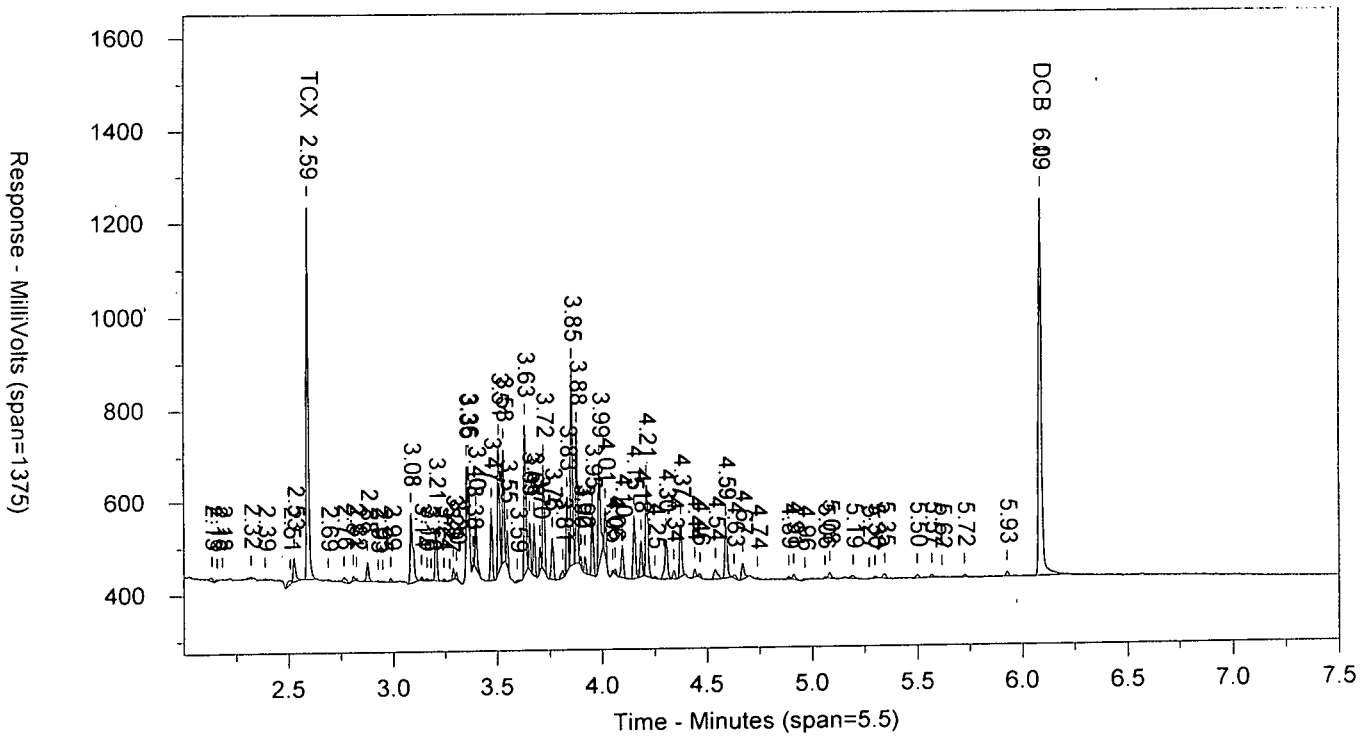
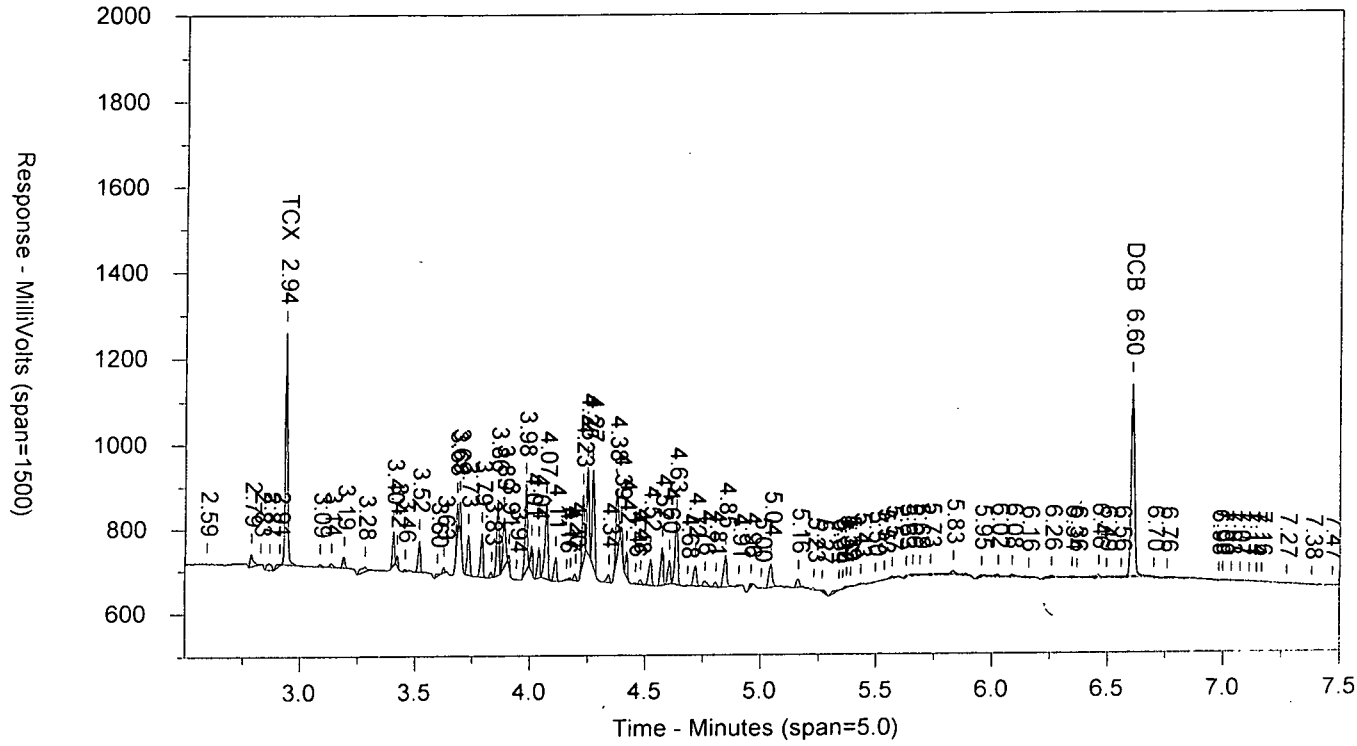


AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0013.RAW

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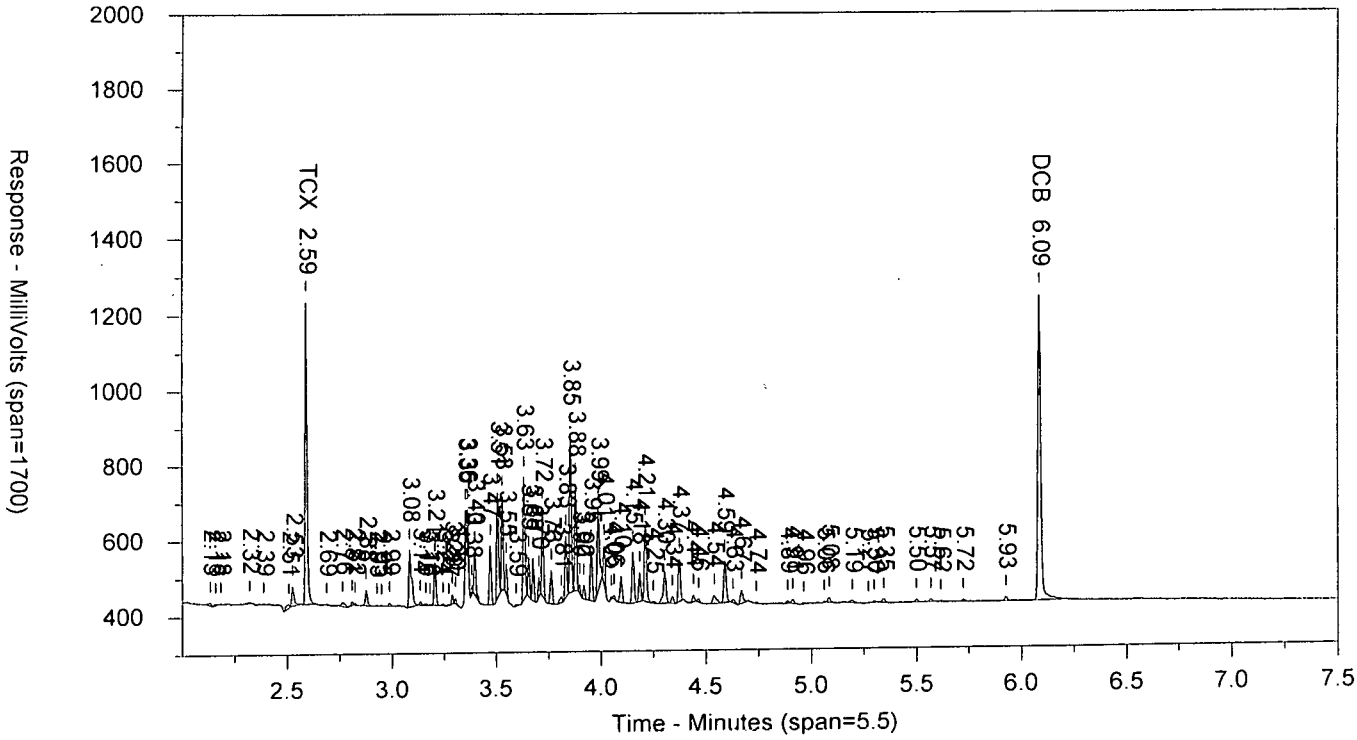


LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.516 | | 3700 | 2556 |
| 1.614 | | 4822 | 51557 |
| 1.85 | | 2000 | 826 |
| 1.917 | | 1887 | 1192 |
| 2.006 | | 16817 | 26104 |
| 2.066 | | 17135 | 52491 |
| 2.09 | | 16373 | 23761 |
| 2.163 | | 2958 | 1794 |
| 2.234 | | 6146 | 3548 |
| 2.333 | | 132165 | 87219 |
| 2.371 | | 2593 | 1861 |
| 2.429 | | 6119 | 7611 |
| 2.462 | | 89349 | 73444 |
| 2.497 | | 8891 | 8354 |
| 2.541 | | 11593 | 8556 |
| 2.614 | | 5285 | 4871 |
| 2.705 | | 4345 | 3043 |
| 2.786 | | 39026 | 40981 |
| 2.87 | | 16303 | 25934 |
| 2.902 | | 7884 | 9263 |
| 2.937 | TCX | 1067927 | 751209 |
| 3.026 | | 6036 | 3431 |
| 3.088 | | 11492 | 10922 |
| 3.135 | | 18801 | 19017 |
| 3.189 | | 48727 | 35320 |
| 3.264 | | 7412 | 6337 |
| 3.282 | | 12350 | 8230 |
| 3.351 | | 2480 | 1655 |
| 3.404 | | 142825 | 86324 |
| 3.421 | | 48951 | 24184 |
| 3.458 | | 10664 | 6095 |
| 3.474 | | 2860 | 1095 |
| 3.519 | | 137161 | 99113 |
| 3.597 | | 10407 | 8187 |
| 3.627 | | 27771 | 15794 |
| 3.643 | | 8458 | 3815 |
| 3.685 | | 129542 | 68226 |
| 3.696 | | 134740 | 60734 |
| 3.733 | | 173030 | 138218 |
| 3.791 | | 189880 | 142975 |
| 3.833 | | 25977 | 17399 |
| 3.86 | | 323330 | 234980 |
| 3.887 | | 215120 | 167453 |
| 3.908 | | 51756 | 24053 |
| 3.947 | | 1523 | 235 |
| 3.982 | | 353994 | 262435 |
| 4.007 | | 113643 | 72543 |
| 4.038 | | 130888 | 94268 |
| 4.071 | | 322357 | 287376 |
| 4.111 | | 109748 | 85843 |
| 4.159 | | 8545 | 6626 |
| 4.174 | | 5705 | 2887 |
| 4.197 | | 36088 | 25689 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.23 | | 282427 | 196061 |
| 4.25 | | 356158 | 225163 |
| 4.273 | | 395030 | 299558 |
| 4.343 | | 38729 | 33136 |
| 4.378 | | 283212 | 240222 |
| 4.398 | | 57836 | 29499 |
| 4.419 | | 97905 | 65165 |
| 4.459 | | 5678 | 3925 |
| 4.482 | | 22308 | 16509 |
| 4.524 | | 116400 | 102549 |
| 4.574 | | 164749 | 134463 |
| 4.606 | | 100755 | 78176 |
| 4.636 | | 271715 | 238246 |
| 4.682 | | 5889 | 4294 |
| 4.718 | | 94627 | 85907 |
| 4.761 | | 24801 | 26913 |
| 4.806 | | 21735 | 19338 |
| 4.848 | | 143468 | 145339 |
| 4.909 | | 2419 | 2255 |
| 4.924 | | 10012 | 8500 |
| 4.96 | | 13034 | 10013 |
| 4.998 | | 1654 | 429 |
| 5.045 | | 112119 | 118601 |
| 5.094 | | 3962 | 2206 |
| 5.164 | | 38421 | 34728 |
| 5.231 | | 8210 | 7100 |
| 5.27 | | 7972 | 10412 |
| 5.327 | | 3505 | 8519 |
| 5.371 | | 10304 | 8812 |
| 5.39 | | 4866 | 3266 |
| 5.437 | | 4878 | 9111 |
| 5.493 | | 1072 | 1622 |
| 5.54 | | 1572 | 1542 |
| 5.569 | | 7457 | 6327 |
| 5.595 | | 1606 | 423 |
| 5.632 | | 8717 | 6905 |
| 5.654 | | 2409 | 816 |
| 5.834 | | 17828 | 19407 |
| 5.889 | | 9605 | 20364 |
| 5.959 | | 2919 | 6176 |
| 6.023 | | 12647 | 14078 |
| 6.087 | | 10006 | 13054 |
| 6.154 | | 2051 | 559 |
| 6.23 | | 2254 | 1302 |
| 6.259 | | 6603 | 6350 |
| 6.333 | | 1073 | 293 |
| 6.361 | | 1377 | 528 |
| 6.402 | | 1487 | 1257 |
| 6.459 | | 12141 | 11399 |
| 6.492 | | 1979 | 362 |
| 6.606 | DCB | 853474 | 913001 |
| 6.751 | | 952 | 1156 |
| 6.928 | | 1782 | 1412 |
| 7.002 | | 2311 | 1898 |
| 7.169 | | 1448 | 1092 |
| 7.438 | | 1349 | 599 |
| 7.525 | | 1420 | 641 |
| 7.588 | | 1880 | 489 |
| 7.749 | | 1658 | 702 |
| 7.951 | | 1837 | 1062 |
| 8.024 | | 1526 | 485 |
| 8.07 | | 1173 | 681 |
| 8.132 | | 1594 | 344 |
| 8.256 | | 1577 | 554 |
| 8.362 | | 1458 | 555 |
| 8.376 | | 1569 | 413 |

LANCASTER LABORATORIES

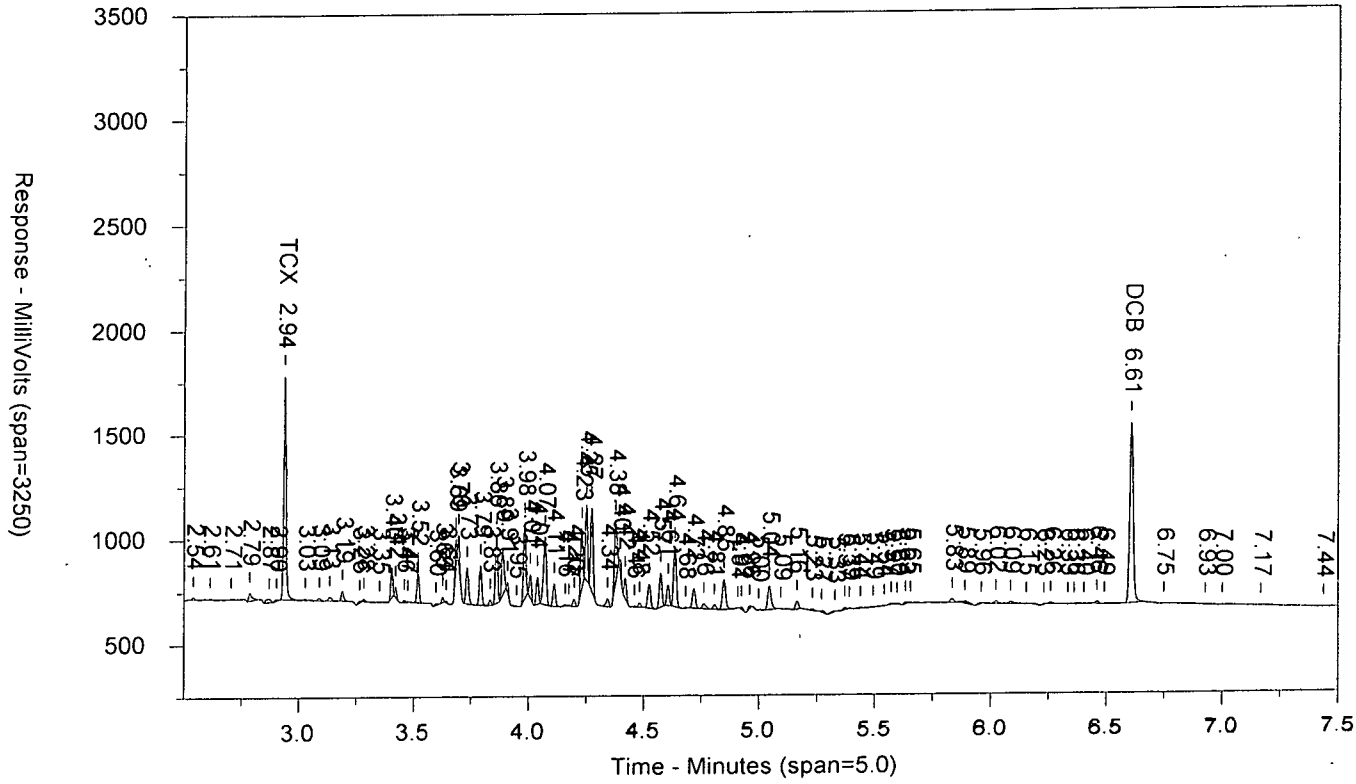
Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.505 | | 1366 | 771 |
| 1.538 | | 4508 | 7605 |
| 1.611 | | 3865 | 5029 |
| 1.691 | | 5385 | 11160 |
| 1.758 | | 7352 | 15783 |
| 1.795 | | 5850 | 5243 |
| 1.818 | | 6057 | 5171 |
| 1.899 | | 211775 | 133471 |
| 1.97 | | 15204 | 26434 |
| 2.025 | | 8599 | 7490 |
| 2.066 | | 36774 | 22853 |
| 2.131 | | 24368 | 20059 |
| 2.166 | | 2541 | 4656 |
| 2.184 | | 3251 | 2149 |
| 2.223 | | 8017 | 8962 |
| 2.298 | | 4521 | 2906 |
| 2.322 | | 7927 | 7655 |
| 2.39 | | 3159 | 2785 |
| 2.415 | | 8192 | 5432 |
| 2.51 | | 11451 | 15074 |
| 2.526 | | 59707 | 52814 |
| 2.591 | TCX | 1632129 | 1052502 |
| 2.683 | | 11580 | 12565 |
| 2.737 | | 1957 | 2478 |
| 2.765 | | 17671 | 19221 |
| 2.81 | | 20771 | 10894 |
| 2.824 | | 9885 | 4825 |
| 2.876 | | 76305 | 58129 |
| 2.926 | | 4842 | 3075 |
| 2.95 | | 5398 | 5461 |
| 2.987 | | 16081 | 10746 |
| 3.033 | | 6704 | 12607 |
| 3.084 | | 262950 | 244751 |
| 3.135 | | 16609 | 9048 |
| 3.158 | | 7787 | 5644 |
| 3.182 | | 4998 | 2106 |
| 3.205 | | 204506 | 136915 |
| 3.245 | | 10580 | 7491 |
| 3.271 | | 7490 | 3862 |
| 3.289 | | 42330 | 22171 |
| 3.305 | | 21845 | 10634 |
| 3.355 | | 162737 | 86643 |
| 3.364 | | 191277 | 73467 |
| 3.384 | | 38745 | 16178 |
| 3.398 | | 195115 | 120285 |
| 3.472 | | 289543 | 181870 |
| 3.507 | | 509242 | 311334 |
| 3.531 | | 451672 | 248951 |
| 3.548 | | 147576 | 73355 |
| 3.614 | | 1356 | 5060 |
| 3.634 | | 576385 | 375158 |
| 3.656 | | 184091 | 98915 |
| 3.677 | | 197179 | 116189 |
| 3.705 | | 91303 | 44737 |

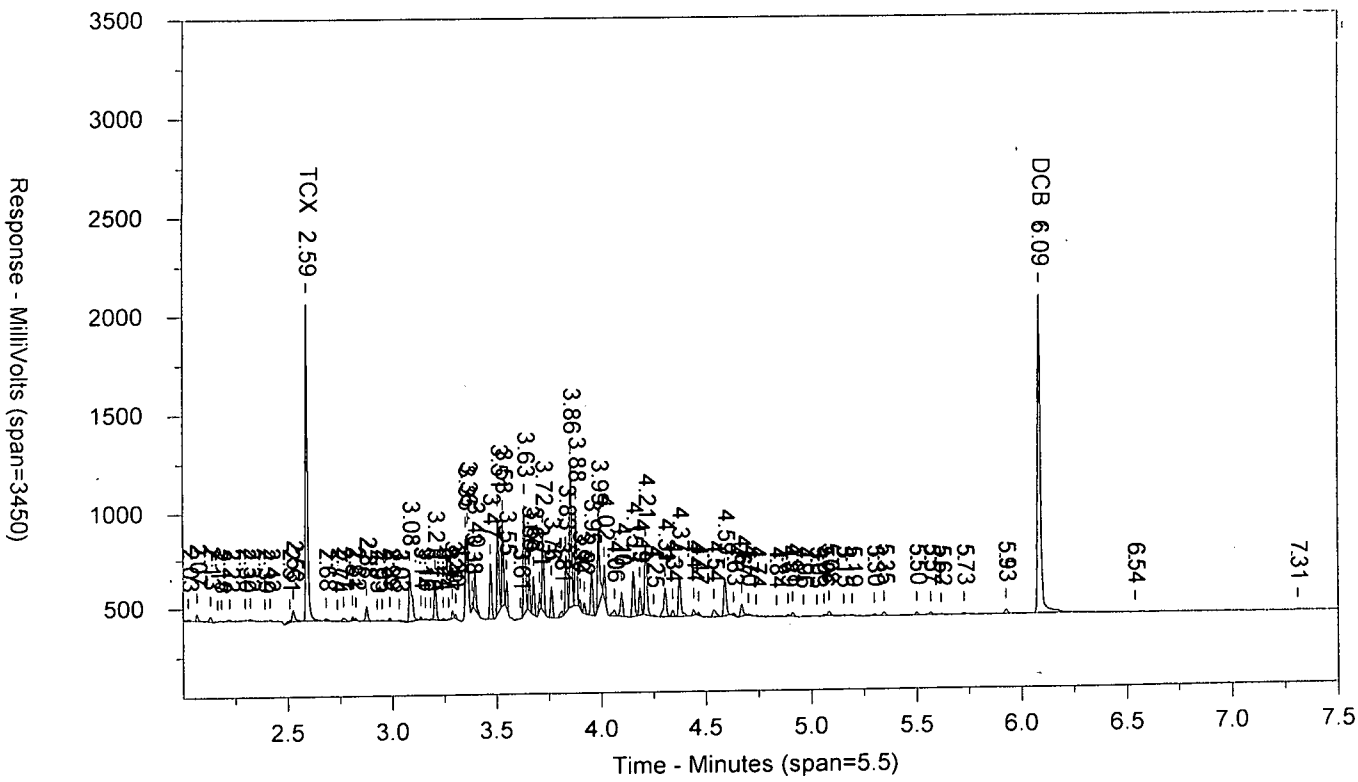
| | | | |
|---|---|---|---|
| 3.722 | | 415871 | 246789 |
| 3.763 | | 163398 | 110711 |
| 3.811 | | 28922 | 24913 |
| 3.833 | | 297715 | 183556 |
| 3.856 | | 762263 | 482233 |
| 3.88 | | 508345 | 312729 |
| 3.899 | | 44159 | 20706 |
| 3.919 | | 57069 | 34413 |
| 3.954 | | 241313 | 163712 |
| 3.987 | | 391205 | 302129 |
| 4.015 | | 181640 | 101355 |
| 4.062 | | 31762 | 31422 |
| 4.097 | | 125040 | 97498 |
| 4.154 | | 234943 | 177128 |
| 4.185 | | 140431 | 97082 |
| 4.213 | | 366910 | 267792 |
| 4.251 | | 7003 | 6105 |
| 4.306 | | 149481 | 135089 |
| 4.342 | | 33930 | 24911 |
| 4.375 | | 209652 | 178982 |
| 4.442 | | 30338 | 20355 |
| 4.465 | | 15020 | 9744 |
| 4.538 | | 36305 | 42934 |
| 4.59 | | 193259 | 161231 |
| 4.631 | | 11882 | 11018 |
| 4.67 | | 63364 | 54164 |
| 4.702 | | 6413 | 6732 |
| 4.739 | | 4546 | 3499 |
| 4.836 | | 1722 | 1106 |
| 4.89 | | 9700 | 6622 |
| 4.913 | | 20144 | 16643 |
| 4.963 | | 6584 | 11261 |
| 5.027 | | 2513 | 2088 |
| 5.061 | | 6840 | 4666 |
| 5.084 | | 19781 | 17873 |
| 5.154 | | 3165 | 2673 |
| 5.194 | | 6229 | 6495 |
| 5.3 | | 9334 | 8013 |
| 5.345 | | 17365 | 18666 |
| 5.501 | | 14428 | 12623 |
| 5.569 | | 12469 | 11627 |
| 5.618 | | 3677 | 4166 |
| 5.726 | | 8531 | 7783 |
| 5.927 | | 20693 | 18509 |
| 6.085 | DCB | 1644674 | 1580228 |
| 6.538 | | 1964 | 1670 |
| 7.309 | | 5204 | 7493 |
| 7.594 | | 2075 | 2254 |
| 7.894 | | 1548 | 2223 |
| 8.017 | | 1847 | 2418 |
| 8.169 | | 10741 | 20139 |

AR4821724C AAAR482AA ICAL 1728399999 10736 **SW-846 8082**

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0014.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0014.RAW



LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

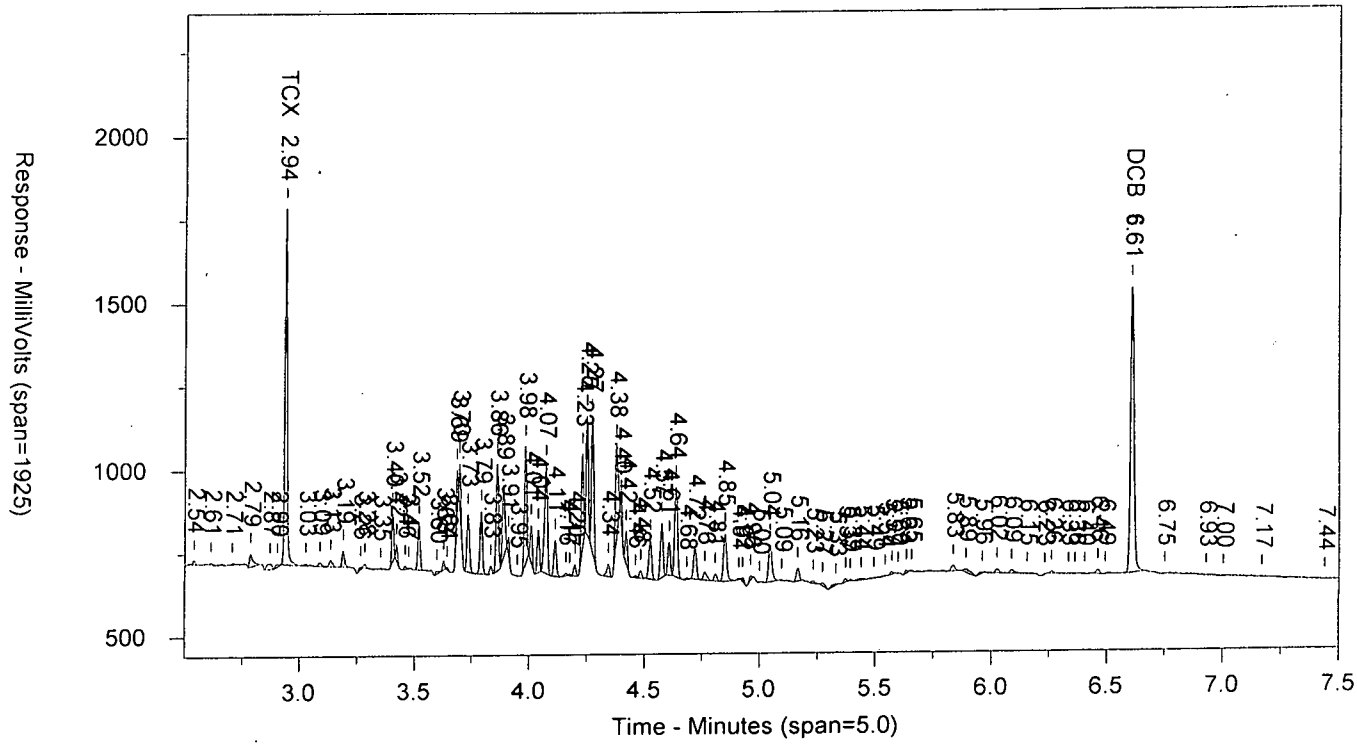
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 1067927 | 3.896 | TCX | 2.591 | 1632129 | 3.937 | TCX |
| 6.606 | 853474 | 4.23 | DCB | 6.085 | 1644674 | 4.345 | DCB |

Files:
Area File: 07PCBS17284001.0014.RAW
Area File: 07PCBS17284001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:40:23 PM
File Reported On: 10/11/2017 at 9:40:31 PM

AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0014.RAW

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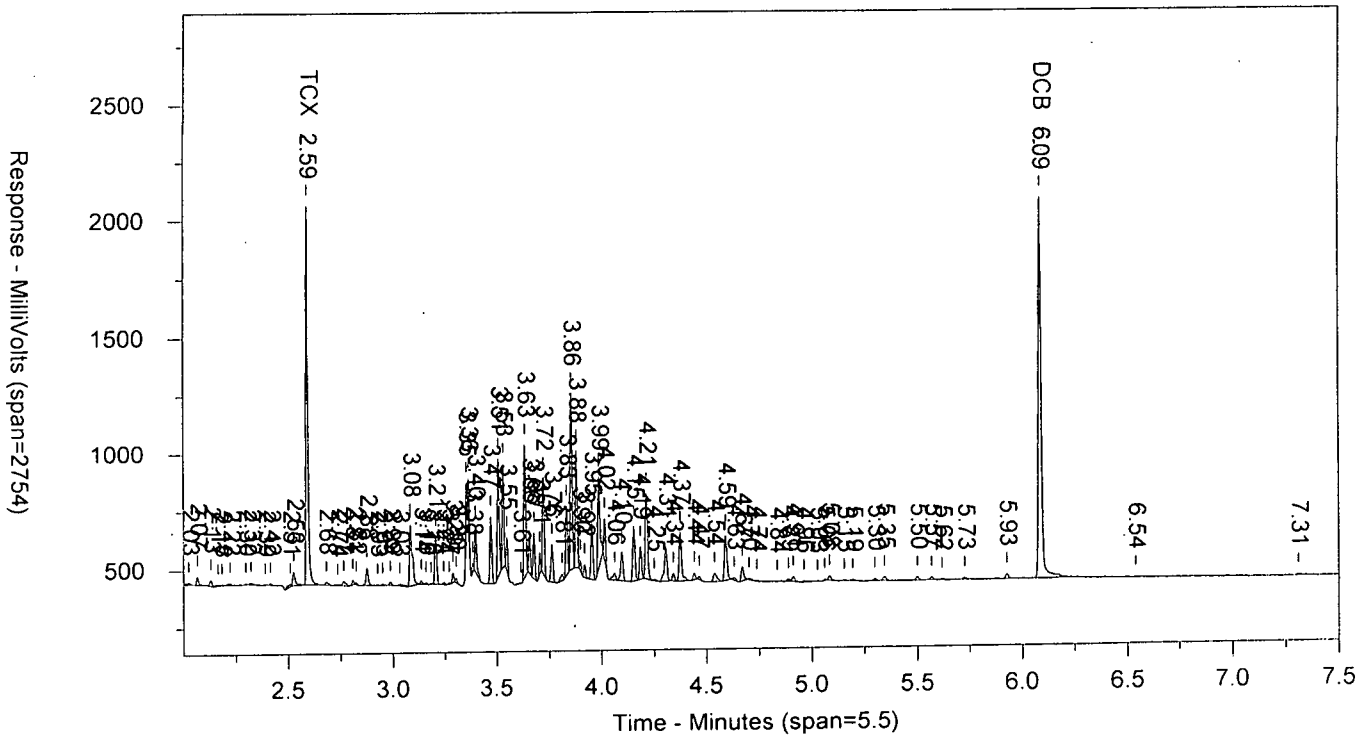
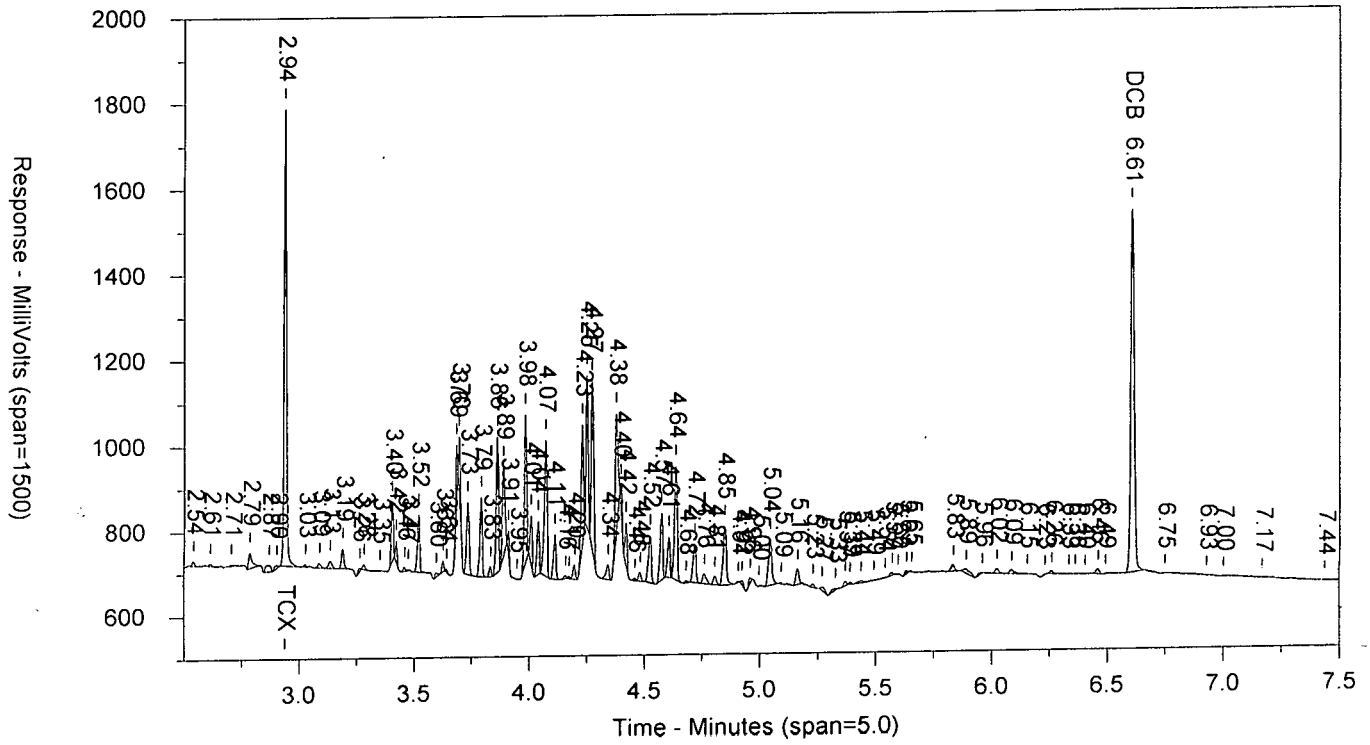
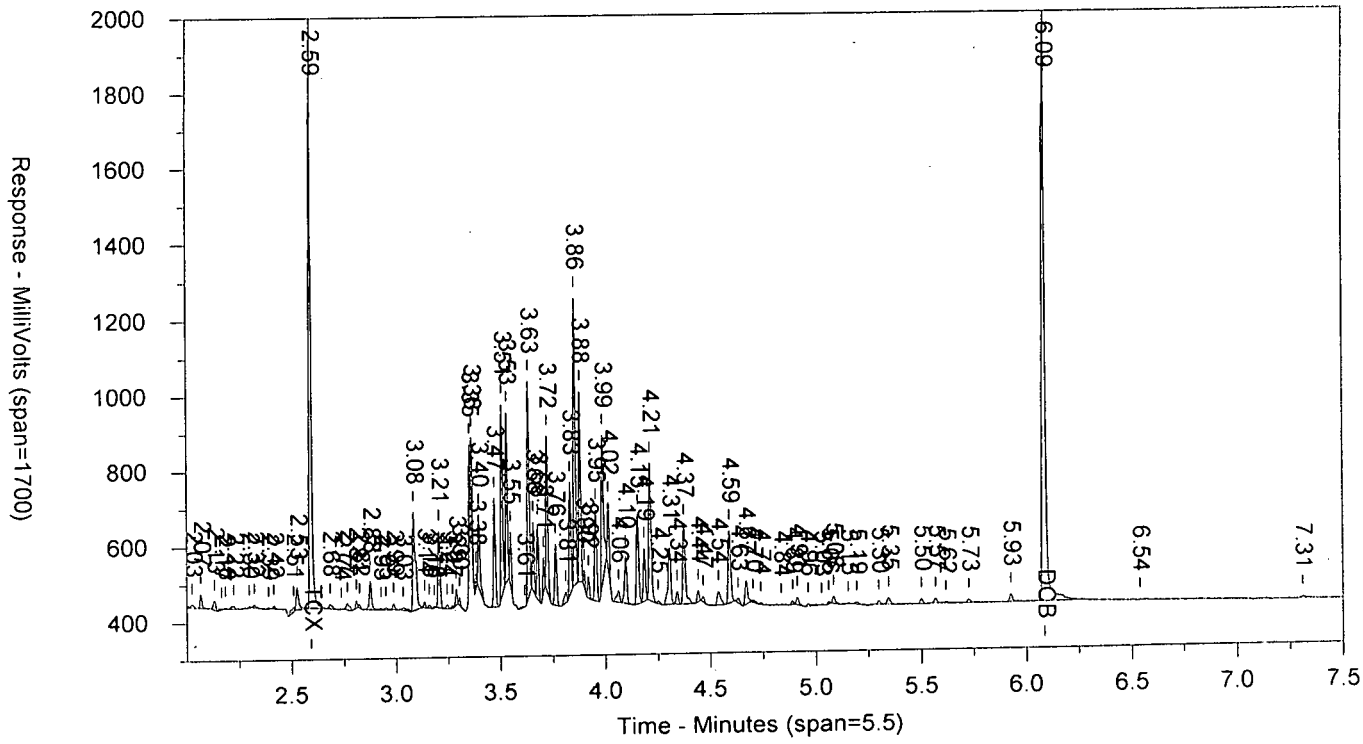


AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0014.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0014.RAW



LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.581 | | 25549 | 25375 |
| 1.618 | | 7711 | 32619 |
| 1.916 | | 2255 | 1322 |
| 1.998 | | 2609 | 4271 |
| 2.052 | | 20260 | 45430 |
| 2.09 | | 8940 | 9733 |
| 2.166 | | 4839 | 5098 |
| 2.234 | | 26521 | 18657 |
| 2.332 | | 41616 | 33053 |
| 2.496 | | 7685 | 7258 |
| 2.543 | | 2984 | 1582 |
| 2.682 | | 2623 | 1676 |
| 2.715 | | 1881 | 1487 |
| 2.786 | | 11863 | 9727 |
| 2.855 | | 6460 | 14281 |
| 2.937 | TCX | 4987558 | 3421661 |
| 3.087 | | 23266 | 23166 |
| 3.134 | | 75544 | 60809 |
| 3.189 | | 97310 | 70391 |
| 3.264 | | 16114 | 11312 |
| 3.281 | | 17891 | 10786 |
| 3.403 | | 278992 | 164713 |
| 3.42 | | 85901 | 44932 |
| 3.456 | | 20212 | 10641 |
| 3.473 | | 4075 | 1625 |
| 3.517 | | 263371 | 195861 |
| 3.573 | | 23287 | 14437 |
| 3.594 | | 18965 | 12507 |
| 3.626 | | 56397 | 32710 |
| 3.641 | | 17390 | 8496 |
| 3.683 | | 228369 | 128620 |
| 3.694 | | 233903 | 107623 |
| 3.731 | | 337262 | 267208 |
| 3.789 | | 352060 | 278170 |
| 3.831 | | 54898 | 37390 |
| 3.858 | | 614994 | 439271 |
| 3.885 | | 406187 | 314968 |
| 3.907 | | 102197 | 52396 |
| 3.981 | | 681921 | 488925 |
| 4.005 | | 210166 | 137231 |
| 4.037 | | 257824 | 181208 |
| 4.07 | | 615122 | 545890 |
| 4.109 | | 210093 | 163237 |
| 4.156 | | 21067 | 14525 |
| 4.175 | | 3576 | 1284 |
| 4.196 | | 69019 | 52341 |
| 4.229 | | 524354 | 352329 |
| 4.248 | | 665679 | 422743 |
| 4.271 | | 786343 | 572185 |
| 4.341 | | 75391 | 67991 |
| 4.376 | | 501383 | 436760 |
| 4.395 | | 125638 | 67010 |
| 4.418 | | 192108 | 128545 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.458 | | 11571 | 7276 |
| 4.48 | | 43662 | 32386 |
| 4.521 | | 215431 | 199028 |
| 4.572 | | 308840 | 258533 |
| 4.603 | | 191883 | 142585 |
| 4.634 | | 523309 | 458935 |
| 4.682 | | 11654 | 8047 |
| 4.715 | | 181175 | 169706 |
| 4.758 | | 48914 | 55893 |
| 4.805 | | 46167 | 41509 |
| 4.846 | | 285298 | 284117 |
| 4.908 | | 3161 | 2699 |
| 4.924 | | 22453 | 18494 |
| 4.958 | | 22488 | 17433 |
| 5.007 | | 3661 | 2644 |
| 5.043 | | 229814 | 234663 |
| 5.089 | | 4731 | 2655 |
| 5.116 | | 8692 | 9917 |
| 5.162 | | 76110 | 68780 |
| 5.183 | | 3623 | 1556 |
| 5.227 | | 16510 | 14336 |
| 5.269 | | 11013 | 12745 |
| 5.329 | | 1937 | 7394 |
| 5.367 | | 22169 | 18297 |
| 5.39 | | 10556 | 7117 |
| 5.434 | | 1336 | 700 |
| 5.447 | | 4858 | 2963 |
| 5.489 | | 3530 | 5073 |
| 5.536 | | 3211 | 4724 |
| 5.567 | | 17452 | 16163 |
| 5.629 | | 25576 | 19763 |
| 5.649 | | 10915 | 7688 |
| 5.696 | | 2060 | 1257 |
| 5.712 | | 1179 | 472 |
| 5.726 | | 1981 | 624 |
| 5.734 | | 1836 | 568 |
| 5.793 | | 2093 | 923 |
| 5.83 | | 37041 | 36829 |
| 5.884 | | 16137 | 26996 |
| 5.953 | | 2539 | 3726 |
| 6.021 | | 54915 | 51652 |
| 6.086 | | 49549 | 57112 |
| 6.144 | | 1529 | 654 |
| 6.256 | | 15636 | 22508 |
| 6.386 | | 1218 | 664 |
| 6.41 | | 2071 | 683 |
| 6.458 | | 53075 | 53802 |
| 6.507 | | 1313 | 463 |
| 6.532 | | 2129 | 796 |
| 6.605 | DCB | 3792178 | 3948910 |
| 6.775 | | 2399 | 1178 |
| 6.927 | | 1728 | 474 |
| 7.013 | | 2128 | 1287 |
| 7.033 | | 961 | 338 |
| 7.097 | | 1718 | 824 |
| 7.124 | | 1939 | 1128 |
| 7.16 | | 1556 | 292 |
| 7.372 | | 1988 | 718 |
| 7.5 | | 1685 | 1425 |
| 7.573 | | 1544 | 531 |
| 7.68 | | 1365 | 352 |
| 7.69 | | 1426 | 818 |
| 7.738 | | 1937 | 996 |
| 7.792 | | 1409 | 322 |
| 7.833 | | 1770 | 372 |
| 7.979 | | 1466 | 369 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.084 | | 1719 | 1871 |
| 8.194 | | 1001 | 339 |
| 8.279 | | 2059 | 604 |
| 8.58 | | 1927 | 688 |

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 2723 | 2564 |
| 1.558 | | 2277 | 2000 |
| 1.695 | | 7700 | 16237 |
| 1.724 | | 5016 | 2841 |
| 1.765 | | 8368 | 19538 |
| 1.796 | | 8204 | 11134 |
| 1.853 | | 7973 | 22488 |
| 1.901 | | 92097 | 86770 |
| 1.966 | | 9129 | 17231 |
| 2.03 | | 15494 | 11327 |
| 2.134 | | 8584 | 8339 |
| 2.158 | | 3589 | 3737 |
| 2.184 | | 2634 | 1369 |
| 2.223 | | 3863 | 2047 |
| 2.247 | | 2030 | 1581 |
| 2.323 | | 5546 | 11454 |
| 2.387 | | 5216 | 3905 |
| 2.417 | | 3127 | 1513 |
| 2.471 | | 6421 | 3786 |
| 2.509 | | 6028 | 7588 |
| 2.525 | | 22741 | 16065 |
| 2.568 | | 2221 | 972 |
| 2.591 | TCX | 7498605 | 4795653 |
| 2.689 | | 3416 | 2430 |
| 2.765 | | 34835 | 34078 |
| 2.809 | | 93392 | 49983 |
| 2.824 | | 14242 | 5738 |
| 2.876 | | 146745 | 100802 |
| 2.925 | | 19550 | 11503 |
| 2.949 | | 3206 | 2579 |
| 2.987 | | 32204 | 20828 |
| 3.035 | | 4210 | 8397 |
| 3.084 | | 466884 | 442522 |
| 3.136 | | 34497 | 19680 |
| 3.159 | | 17448 | 13002 |
| 3.181 | | 8666 | 4154 |
| 3.205 | | 367501 | 258612 |
| 3.245 | | 22991 | 14759 |
| 3.27 | | 31683 | 15880 |
| 3.289 | | 80251 | 42890 |
| 3.305 | | 36922 | 17481 |
| 3.354 | | 317648 | 147599 |
| 3.363 | | 347059 | 137022 |
| 3.383 | | 72721 | 28986 |
| 3.397 | | 355857 | 229313 |
| 3.471 | | 537448 | 336050 |
| 3.507 | | 889700 | 562724 |
| 3.529 | | 818010 | 448942 |
| 3.547 | | 262541 | 132428 |
| 3.598 | | 3870 | 4061 |
| 3.632 | | 1053451 | 695884 |
| 3.655 | | 341793 | 182381 |
| 3.675 | | 353428 | 215394 |
| 3.704 | | 171730 | 87046 |

| | | | |
|---|---|---|---|
| 3.721 | | 731557 | 458665 |
| 3.762 | | 300892 | 209652 |
| 3.811 | | 57584 | 48563 |
| 3.832 | | 547415 | 339981 |
| 3.854 | | 1397113 | 894220 |
| 3.879 | | 975531 | 592365 |
| 3.897 | | 83385 | 37542 |
| 3.917 | | 93461 | 54439 |
| 3.952 | | 426249 | 307445 |
| 3.986 | | 750551 | 573662 |
| 4.014 | | 352950 | 199083 |
| 4.062 | | 60588 | 48515 |
| 4.096 | | 244783 | 187623 |
| 4.152 | | 452798 | 335123 |
| 4.184 | | 263491 | 182689 |
| 4.212 | | 673608 | 503755 |
| 4.25 | | 13793 | 12415 |
| 4.304 | | 284953 | 262602 |
| 4.34 | | 67840 | 50102 |
| 4.373 | | 410534 | 348848 |
| 4.439 | | 59926 | 39982 |
| 4.463 | | 29969 | 19057 |
| 4.537 | | 69699 | 79088 |
| 4.589 | | 386225 | 322804 |
| 4.629 | | 22573 | 20792 |
| 4.669 | | 119485 | 105228 |
| 4.701 | | 12688 | 14146 |
| 4.738 | | 9599 | 7657 |
| 4.838 | | 2851 | 1914 |
| 4.856 | | 3707 | 2186 |
| 4.888 | | 19927 | 14016 |
| 4.911 | | 38017 | 30460 |
| 4.961 | | 11294 | 10432 |
| 4.998 | | 3997 | 3051 |
| 5.031 | | 5528 | 4052 |
| 5.061 | | 14987 | 9859 |
| 5.083 | | 42327 | 36559 |
| 5.155 | | 14481 | 11791 |
| 5.195 | | 6247 | 9749 |
| 5.273 | | 2234 | 1710 |
| 5.298 | | 21014 | 16546 |
| 5.346 | | 35442 | 37542 |
| 5.498 | | 60653 | 52642 |
| 5.567 | | 59617 | 50057 |
| 5.616 | | 9949 | 7837 |
| 5.725 | | 21609 | 23613 |
| 5.876 | | 1741 | 1674 |
| 5.926 | | 92743 | 80575 |
| 6.085 | DCB | 6961152 | 6791141 |
| 6.537 | | 5873 | 5591 |
| 8.165 | | 10940 | 17911 |

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

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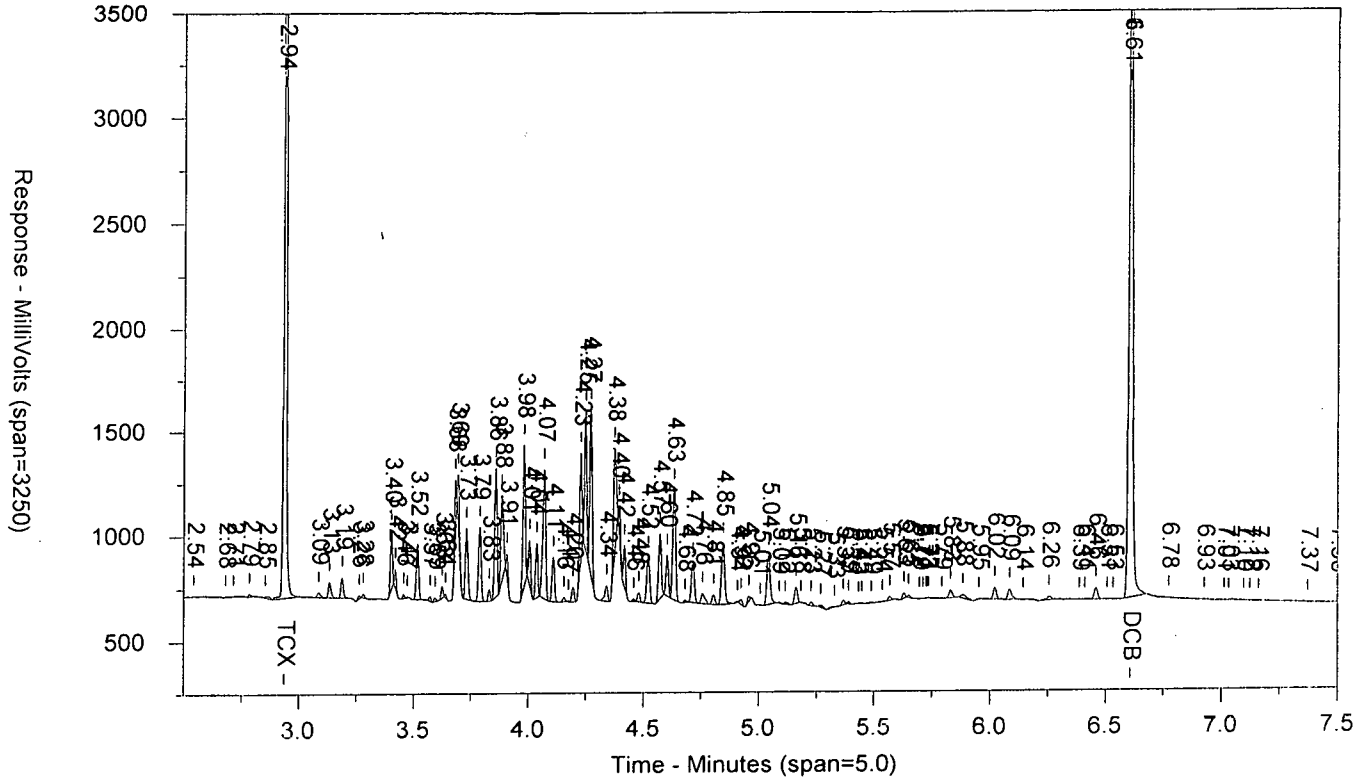


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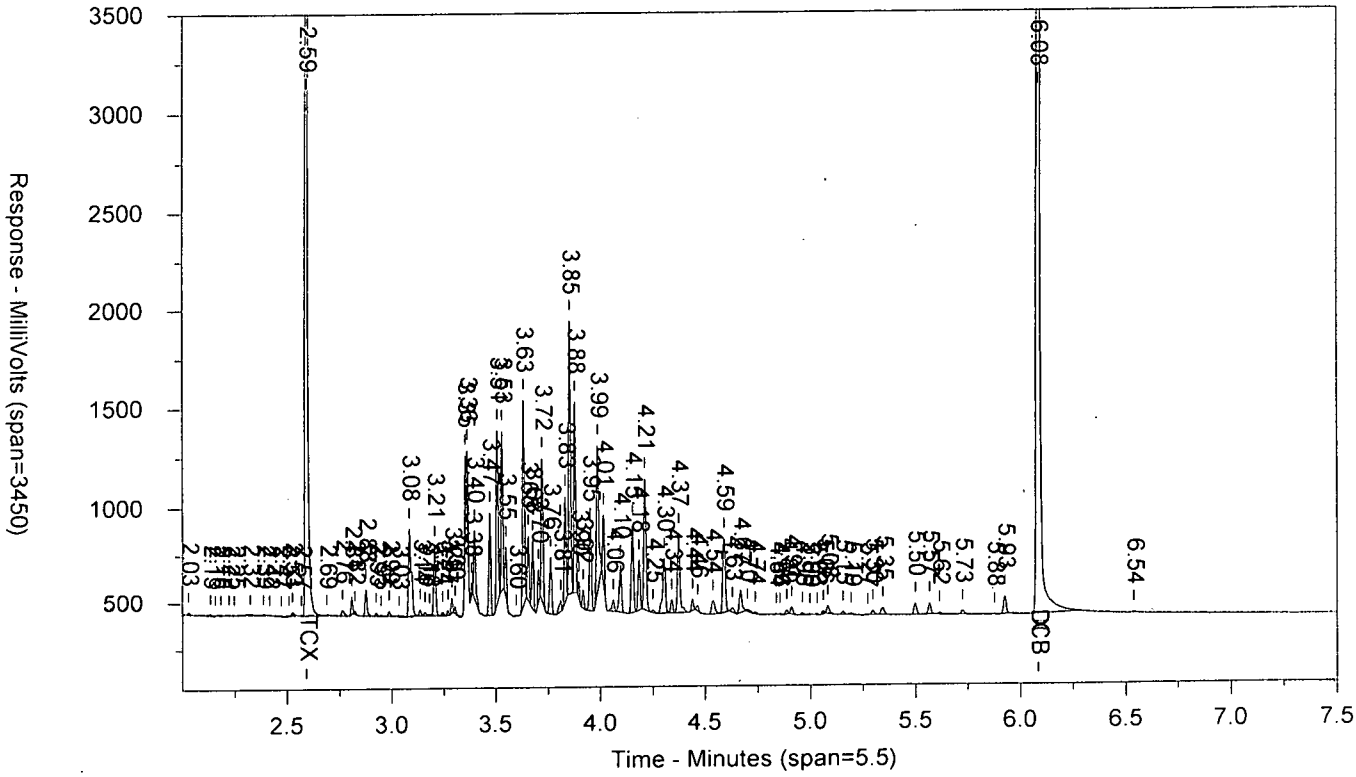


LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

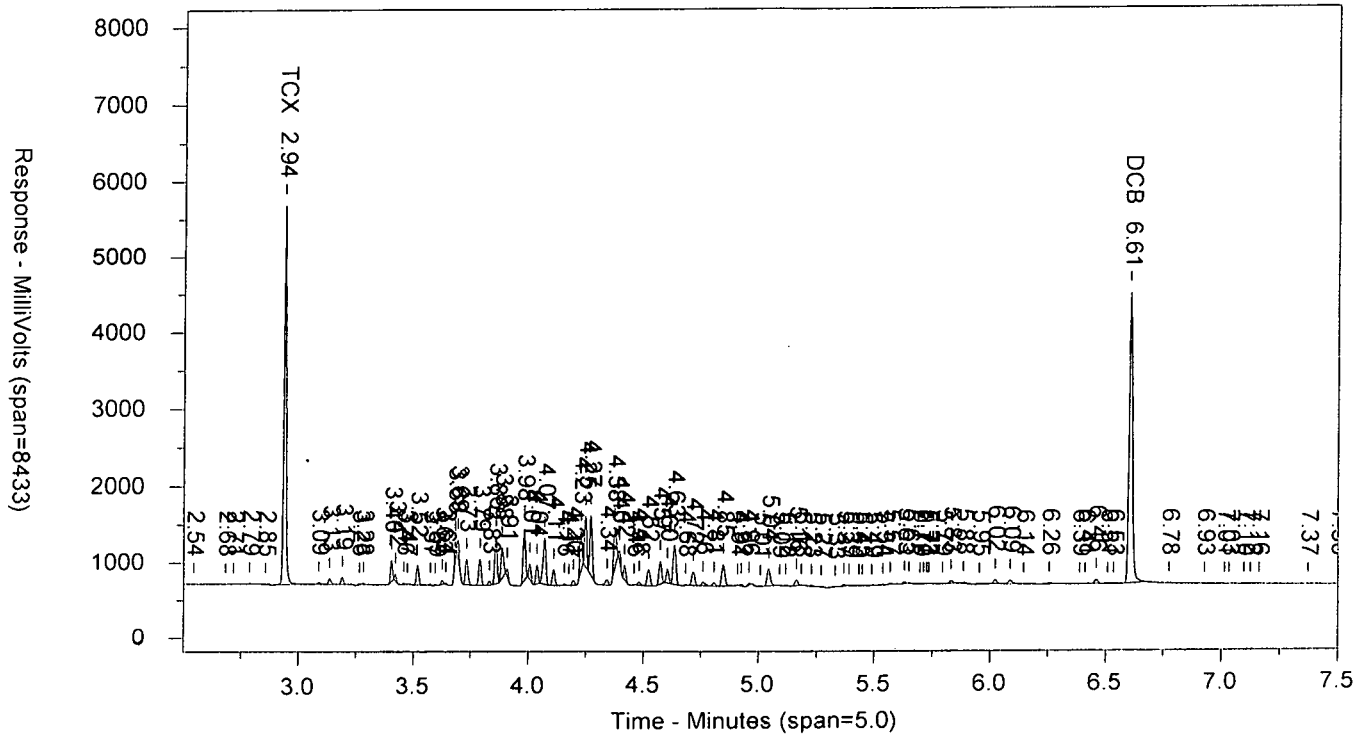
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 4987558 | 18.195 | TCX | 2.591 | 7498605 | 18.09 | TCX |
| 6.605 | 3792178 | 18.793 | DCB | 6.085 | 6961152 | 18.389 | DCB |

Files:
Area File: 07PCBS17284001.0015.RAW
Area File: 07PCBS17284001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:51:39 PM
File Reported On: 10/11/2017 at 9:51:49 PM

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0015.RAW

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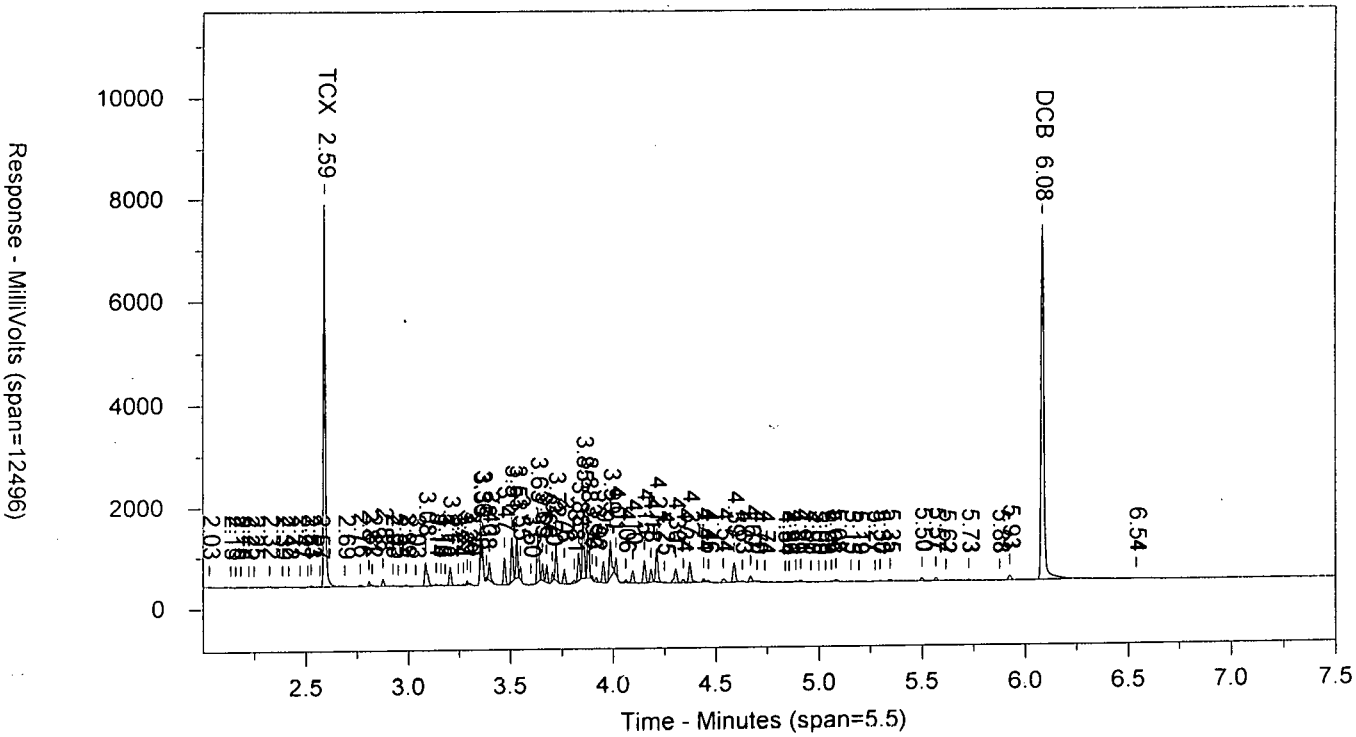

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

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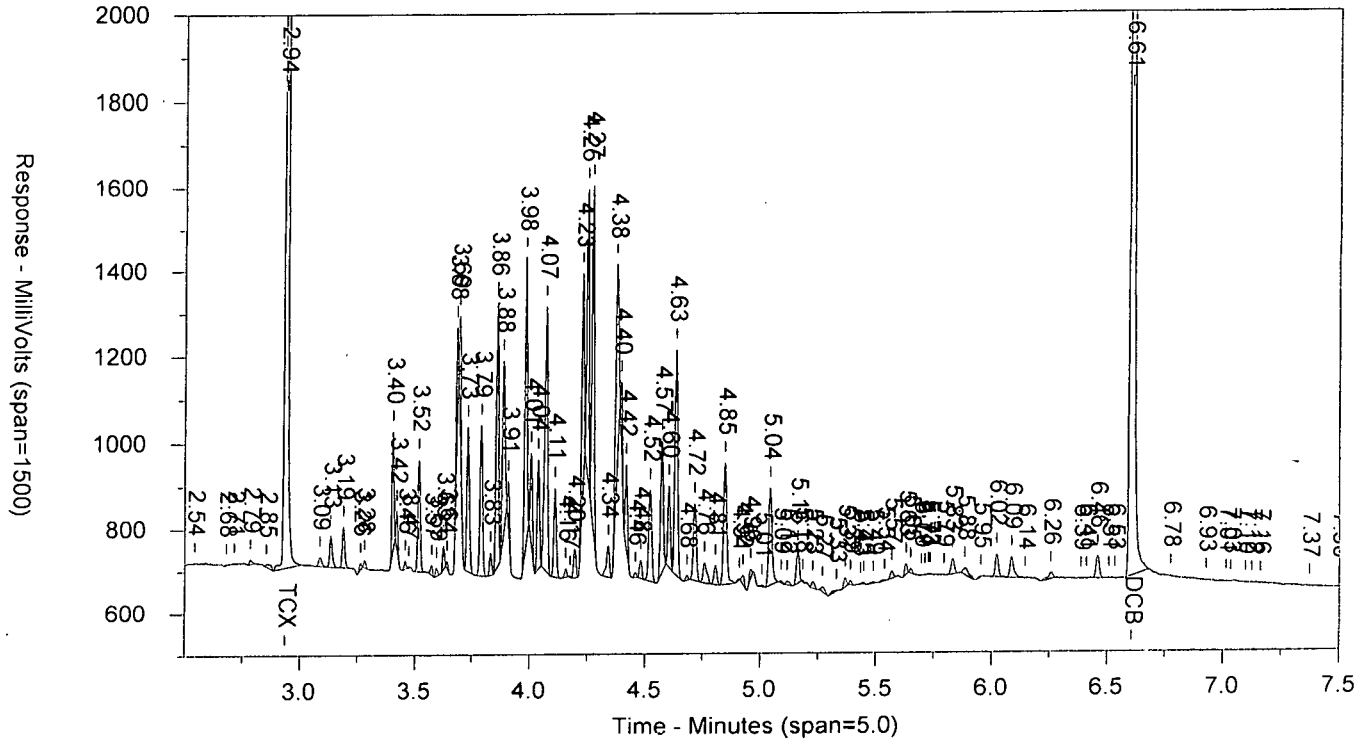


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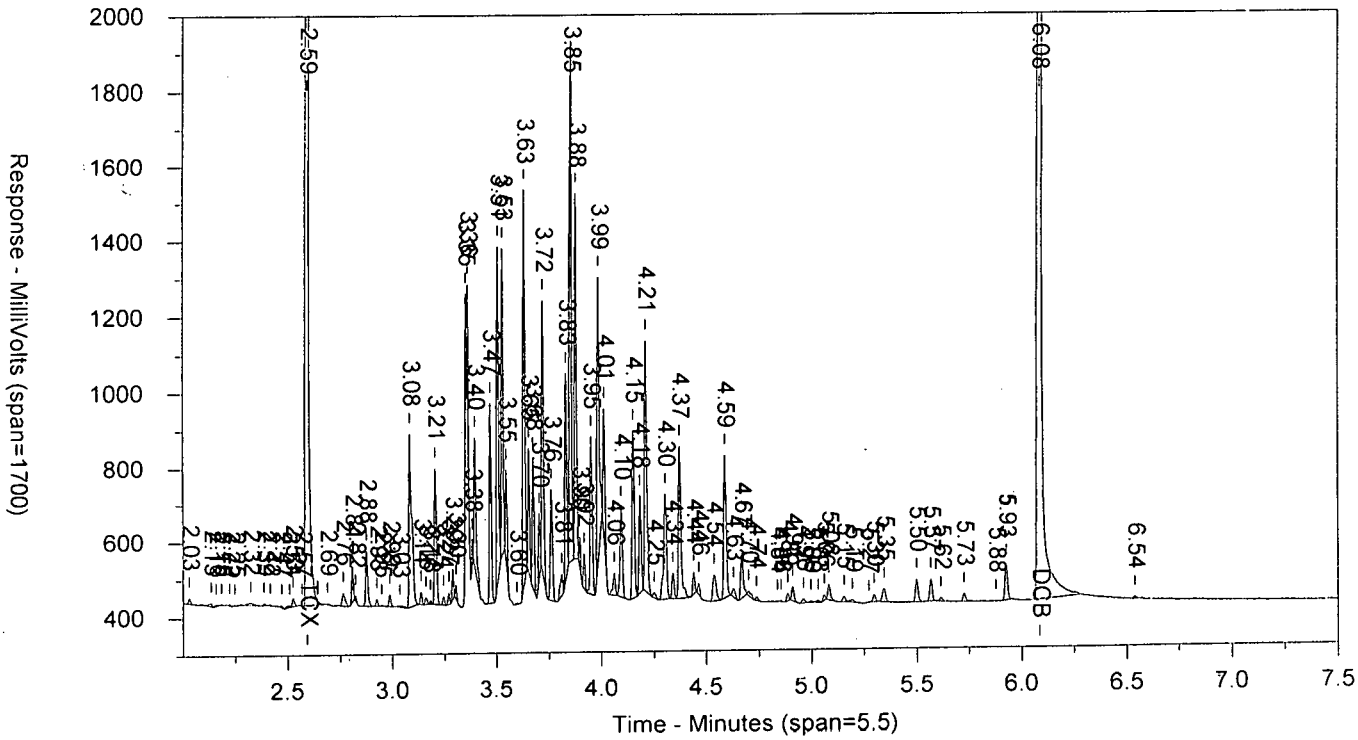

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.513 | | 6137 | 5479 |
| 1.632 | | 16317 | 115128 |
| 1.654 | | 6005 | 14187 |
| 2.054 | | 24980 | 50835 |
| 2.091 | | 6894 | 8186 |
| 2.177 | | 5189 | 9162 |
| 2.234 | | 52787 | 36078 |
| 2.333 | | 37294 | 35675 |
| 2.521 | | 8021 | 34347 |
| 2.652 | | 2657 | 2603 |
| 2.692 | | 2040 | 1878 |
| 2.785 | | 32862 | 23683 |
| 2.862 | | 21683 | 33553 |
| 2.901 | | 10769 | 11496 |
| 2.936 | TCX | 10620180 | 7124594 |
| 3.034 | | 3675 | 2098 |
| 3.087 | | 38697 | 38045 |
| 3.134 | | 156130 | 121376 |
| 3.189 | | 187011 | 132371 |
| 3.264 | | 30985 | 20596 |
| 3.281 | | 36724 | 21518 |
| 3.403 | | 516995 | 320154 |
| 3.419 | | 180902 | 89902 |
| 3.456 | | 42152 | 24047 |
| 3.472 | | 5510 | 2137 |
| 3.517 | | 509388 | 376954 |
| 3.573 | | 48096 | 29057 |
| 3.594 | | 23562 | 16279 |
| 3.626 | | 112686 | 66291 |
| 3.641 | | 35709 | 15909 |
| 3.683 | | 479733 | 263135 |
| 3.694 | | 504311 | 230163 |
| 3.731 | | 644882 | 511478 |
| 3.79 | | 723141 | 546266 |
| 3.831 | | 111130 | 76000 |
| 3.859 | | 1219529 | 870259 |
| 3.885 | | 824770 | 615452 |
| 3.906 | | 192011 | 107531 |
| 3.981 | | 1359448 | 986008 |
| 4.005 | | 408911 | 273873 |
| 4.036 | | 495088 | 364075 |
| 4.07 | | 1218522 | 1101186 |
| 4.11 | | 424274 | 335880 |
| 4.156 | | 46048 | 36107 |
| 4.195 | | 143695 | 111070 |
| 4.228 | | 1062073 | 735601 |
| 4.248 | | 1348882 | 849891 |
| 4.272 | | 1547977 | 1171875 |
| 4.341 | | 150919 | 141473 |
| 4.376 | | 1061043 | 910645 |
| 4.395 | | 267283 | 154160 |
| 4.417 | | 365079 | 243662 |
| 4.458 | | 24635 | 15787 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.481 | | 90233 | 67188 |
| 4.522 | | 435269 | 396036 |
| 4.572 | | 618744 | 513994 |
| 4.604 | | 382137 | 287565 |
| 4.634 | | 1074239 | 916125 |
| 4.683 | | 23830 | 16830 |
| 4.716 | | 374072 | 345580 |
| 4.759 | | 91933 | 111607 |
| 4.806 | | 92588 | 84275 |
| 4.846 | | 572436 | 572615 |
| 4.925 | | 58800 | 80755 |
| 4.958 | | 47946 | 36445 |
| 4.972 | | 20601 | 12876 |
| 5.006 | | 2291 | 893 |
| 5.043 | | 456646 | 475834 |
| 5.09 | | 13196 | 9741 |
| 5.116 | | 15331 | 21005 |
| 5.162 | | 145407 | 134473 |
| 5.182 | | 5735 | 3773 |
| 5.202 | | 9157 | 5497 |
| 5.229 | | 30566 | 25940 |
| 5.271 | | 22091 | 22783 |
| 5.32 | | 3735 | 6611 |
| 5.368 | | 44986 | 37965 |
| 5.392 | | 20205 | 14457 |
| 5.449 | | 11166 | 8986 |
| 5.485 | | 7151 | 8021 |
| 5.53 | | 6693 | 6399 |
| 5.569 | | 33602 | 32118 |
| 5.591 | | 5254 | 4470 |
| 5.628 | | 56773 | 45399 |
| 5.65 | | 15661 | 11388 |
| 5.701 | | 1579 | 771 |
| 5.724 | | 1468 | 419 |
| 5.744 | | 1750 | 1109 |
| 5.778 | | 1675 | 1089 |
| 5.832 | | 70542 | 69157 |
| 5.86 | | 1974 | 463 |
| 5.889 | | 36454 | 56613 |
| 5.952 | | 3328 | 3782 |
| 6.022 | | 115660 | 111876 |
| 6.086 | | 108350 | 120057 |
| 6.257 | | 31089 | 42737 |
| 6.382 | | 1546 | 686 |
| 6.458 | | 109267 | 113750 |
| 6.605 | DCB | 7616867 | 7850766 |
| 6.771 | | 2365 | 734 |
| 6.958 | | 2216 | 550 |
| 6.988 | | 1442 | 619 |
| 7.052 | | 3244 | 3395 |
| 7.224 | | 1351 | 320 |
| 7.284 | | 1628 | 1471 |
| 7.379 | | 1521 | 439 |
| 7.467 | | 1426 | 621 |
| 7.524 | | 1623 | 402 |
| 7.593 | | 1359 | 701 |
| 7.608 | | 1304 | 746 |
| 7.656 | | 1886 | 703 |
| 7.707 | | 1666 | 648 |
| 7.758 | | 1864 | 708 |
| 7.789 | | 1679 | 408 |
| 7.905 | | 1894 | 438 |
| 7.959 | | 1700 | 607 |
| 7.994 | | 1117 | 676 |
| 8.049 | | 1630 | 663 |
| 8.103 | | 1194 | 662 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.268 | | 1804 | 904 |
| 8.323 | | 1498 | 464 |
| 8.572 | | 2607 | 1934 |

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.528 | | 4317 | 4526 |
| 1.557 | | 4404 | 3559 |
| 1.647 | | 2755 | 1501 |
| 1.695 | | 6329 | 13555 |
| 1.722 | | 4804 | 2168 |
| 1.756 | | 3049 | 4236 |
| 1.795 | | 7009 | 6910 |
| 1.819 | | 3039 | 2530 |
| 1.902 | | 111412 | 93895 |
| 1.97 | | 10348 | 18382 |
| 2.03 | | 31685 | 21912 |
| 2.134 | | 10806 | 11050 |
| 2.156 | | 6543 | 6211 |
| 2.222 | | 5115 | 5301 |
| 2.275 | | 3653 | 2506 |
| 2.32 | | 7118 | 13659 |
| 2.386 | | 5037 | 3575 |
| 2.415 | | 4115 | 3309 |
| 2.508 | | 9996 | 16007 |
| 2.525 | | 58809 | 47965 |
| 2.591 | TCX | 16155880 | 10229740 |
| 2.764 | | 60709 | 57332 |
| 2.809 | | 194985 | 104215 |
| 2.824 | | 27118 | 11264 |
| 2.876 | | 273712 | 186725 |
| 2.925 | | 42809 | 23754 |
| 2.987 | | 62334 | 40651 |
| 3.03 | | 2130 | 1355 |
| 3.084 | | 916629 | 837834 |
| 3.135 | | 70617 | 40859 |
| 3.157 | | 26062 | 17442 |
| 3.181 | | 22399 | 12443 |
| 3.205 | | 741290 | 503637 |
| 3.244 | | 32429 | 20469 |
| 3.269 | | 69041 | 35662 |
| 3.289 | | 160333 | 86669 |
| 3.304 | | 64165 | 29550 |
| 3.354 | | 648255 | 313476 |
| 3.363 | | 765068 | 302147 |
| 3.383 | | 131082 | 55402 |
| 3.397 | | 731410 | 447915 |
| 3.471 | | 1080155 | 688068 |
| 3.506 | | 1834271 | 1145947 |
| 3.53 | | 1640912 | 908552 |
| 3.547 | | 527340 | 264162 |
| 3.598 | | 4673 | 4228 |
| 3.632 | | 2203754 | 1430385 |
| 3.655 | | 698729 | 371252 |
| 3.675 | | 739368 | 435996 |
| 3.704 | | 346317 | 173602 |
| 3.721 | | 1608495 | 954906 |
| 3.762 | | 606153 | 435415 |
| 3.81 | | 121227 | 101986 |
| 3.832 | | 1093008 | 690532 |

| | | | |
|---|---|---|---|
| 3.855 | | 3061148 | 1896037 |
| 3.879 | | 2073833 | 1274330 |
| 3.897 | | 159861 | 74405 |
| 3.917 | | 181767 | 104504 |
| 3.936 | | 8128 | 2457 |
| 3.953 | | 901594 | 607686 |
| 3.986 | | 1595806 | 1189511 |
| 4.014 | | 789725 | 440563 |
| 4.046 | | 5299 | 2198 |
| 4.062 | | 113878 | 75544 |
| 4.096 | | 489208 | 380982 |
| 4.152 | | 926612 | 698316 |
| 4.185 | | 525478 | 379516 |
| 4.212 | | 1436995 | 1047236 |
| 4.251 | | 29718 | 27712 |
| 4.304 | | 584924 | 541375 |
| 4.34 | | 142292 | 102664 |
| 4.373 | | 792706 | 599758 |
| 4.396 | | 21621 | 10797 |
| 4.44 | | 119140 | 79271 |
| 4.464 | | 66147 | 43658 |
| 4.537 | | 142848 | 153977 |
| 4.59 | | 822810 | 666720 |
| 4.63 | | 43104 | 41859 |
| 4.669 | | 232723 | 208091 |
| 4.701 | | 17594 | 8422 |
| 4.739 | | 22424 | 15698 |
| 4.813 | | 3196 | 2001 |
| 4.838 | | 5339 | 2751 |
| 4.855 | | 7364 | 4882 |
| 4.889 | | 40993 | 28211 |
| 4.912 | | 81047 | 60448 |
| 4.961 | | 21612 | 20225 |
| 4.997 | | 7379 | 5501 |
| 5.029 | | 8707 | 6605 |
| 5.06 | | 27811 | 19520 |
| 5.083 | | 79584 | 69974 |
| 5.155 | | 24254 | 20064 |
| 5.273 | | 3626 | 2936 |
| 5.298 | | 38835 | 33637 |
| 5.346 | | 72109 | 79267 |
| 5.499 | | 125296 | 112516 |
| 5.568 | | 122421 | 111100 |
| 5.617 | | 18363 | 15337 |
| 5.726 | | 41022 | 34270 |
| 5.813 | | 2077 | 3982 |
| 5.879 | | 3991 | 3516 |
| 5.925 | | 193174 | 166983 |
| 5.957 | | 3954 | 2372 |
| 5.976 | | 2517 | 2300 |
| 6.085 | DCB | 14389950 | 13301000 |
| 6.36 | | 2244 | 2441 |
| 6.537 | | 11295 | 10481 |
| 6.706 | | 2272 | 3526 |
| 7.586 | | 1944 | 2906 |
| 8.164 | | 11708 | 25104 |
| 8.682 | | 2155 | 1534 |

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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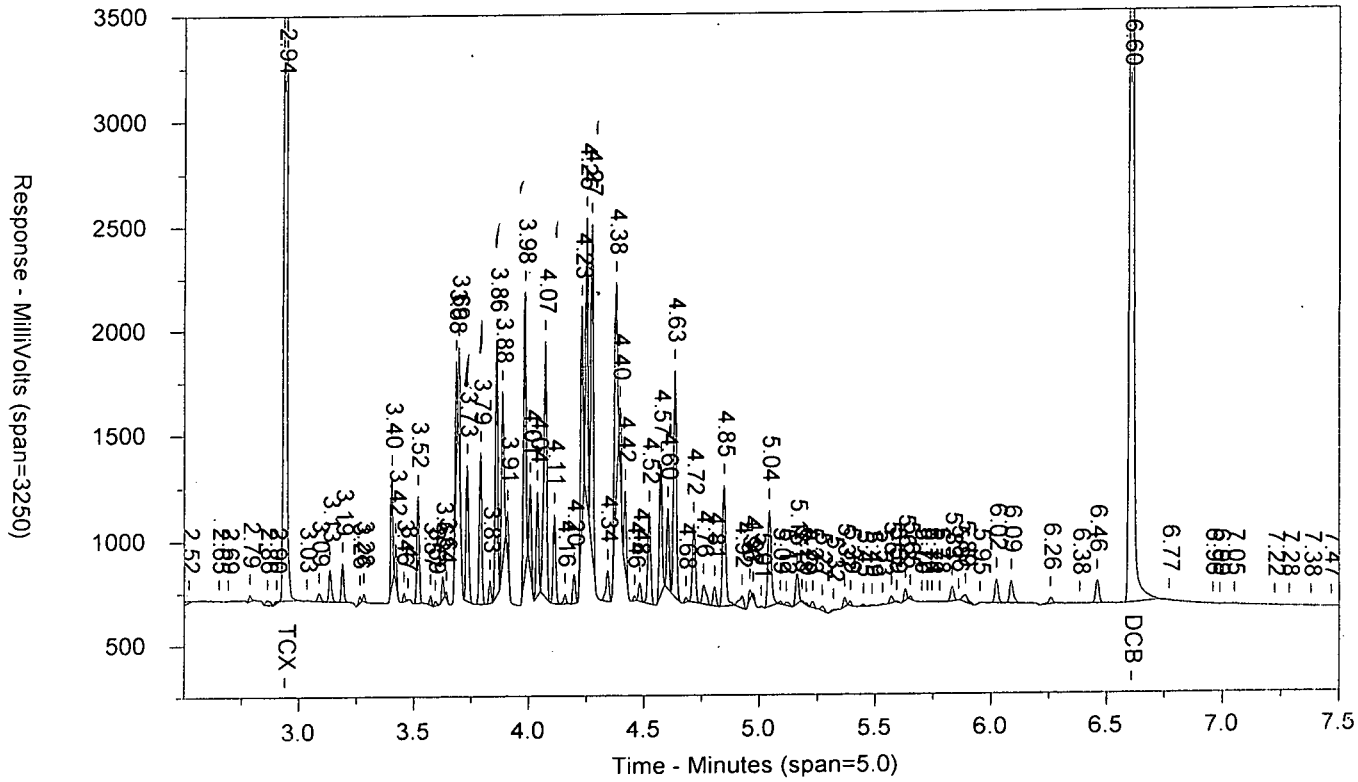


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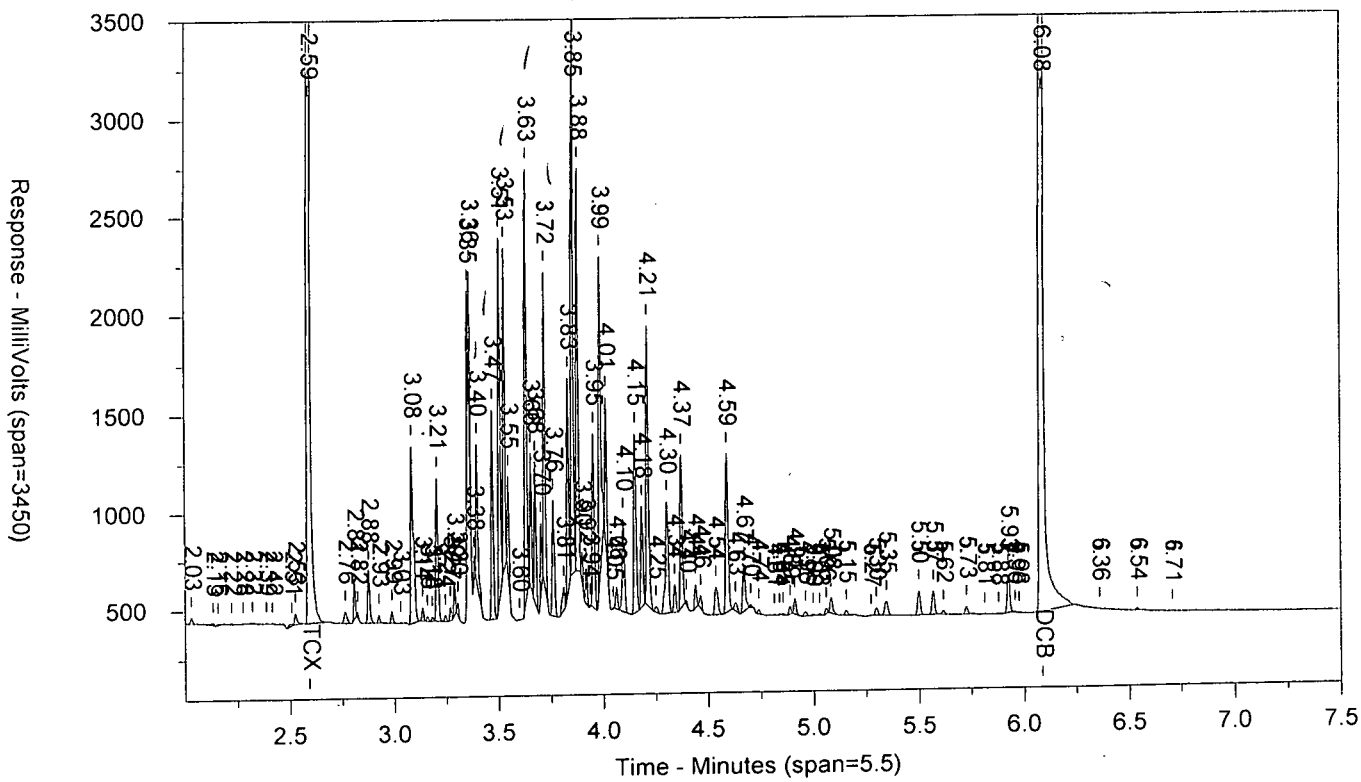

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 10620180 | 38.743 | TCX | 2.591 | 16155880 | 38.974 | TCX |
| 6.605 | 7616867 | 37.748 | DCB | 6.085 | 14389950 | 38.013 | DCB |

Files:
Area File: 07PCBS17284001.0016.RAW
Area File: 07PCBS17284001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:03:00 PM
File Reported On: 10/11/2017 at 10:03:07 PM

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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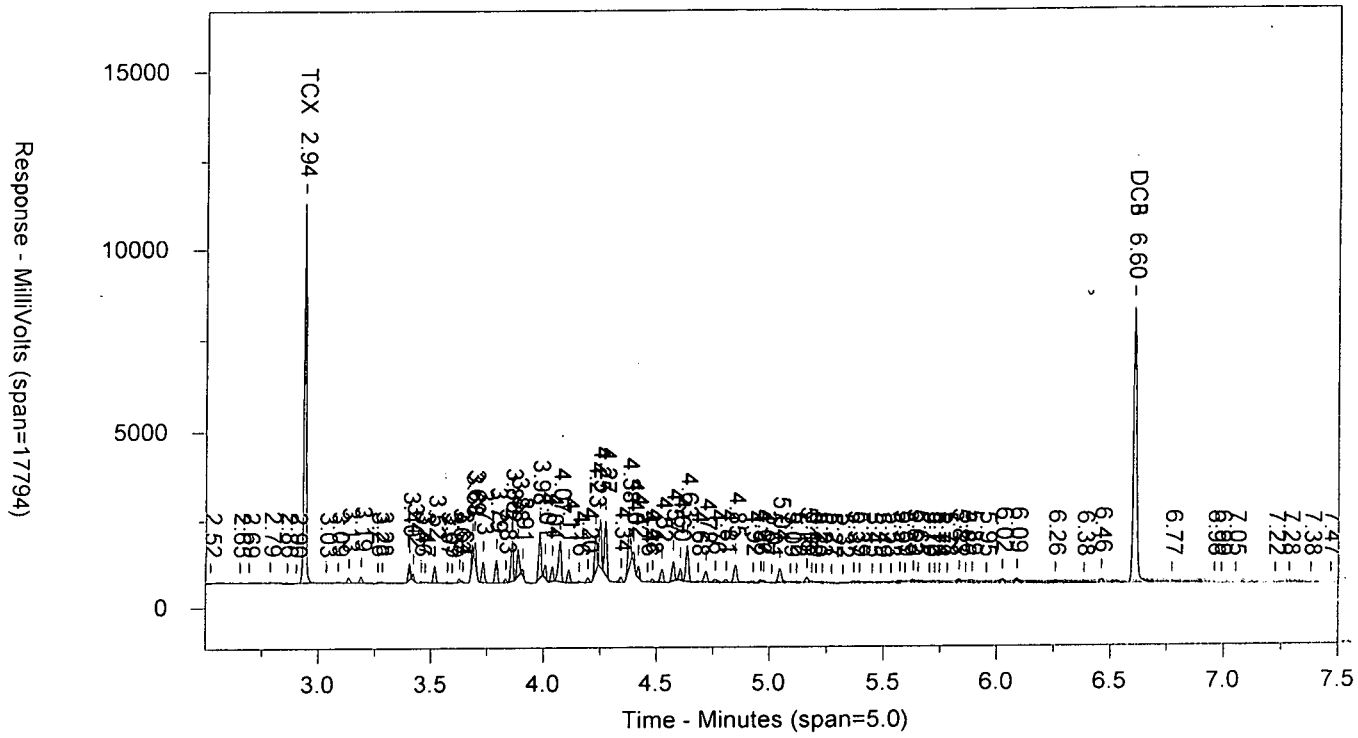


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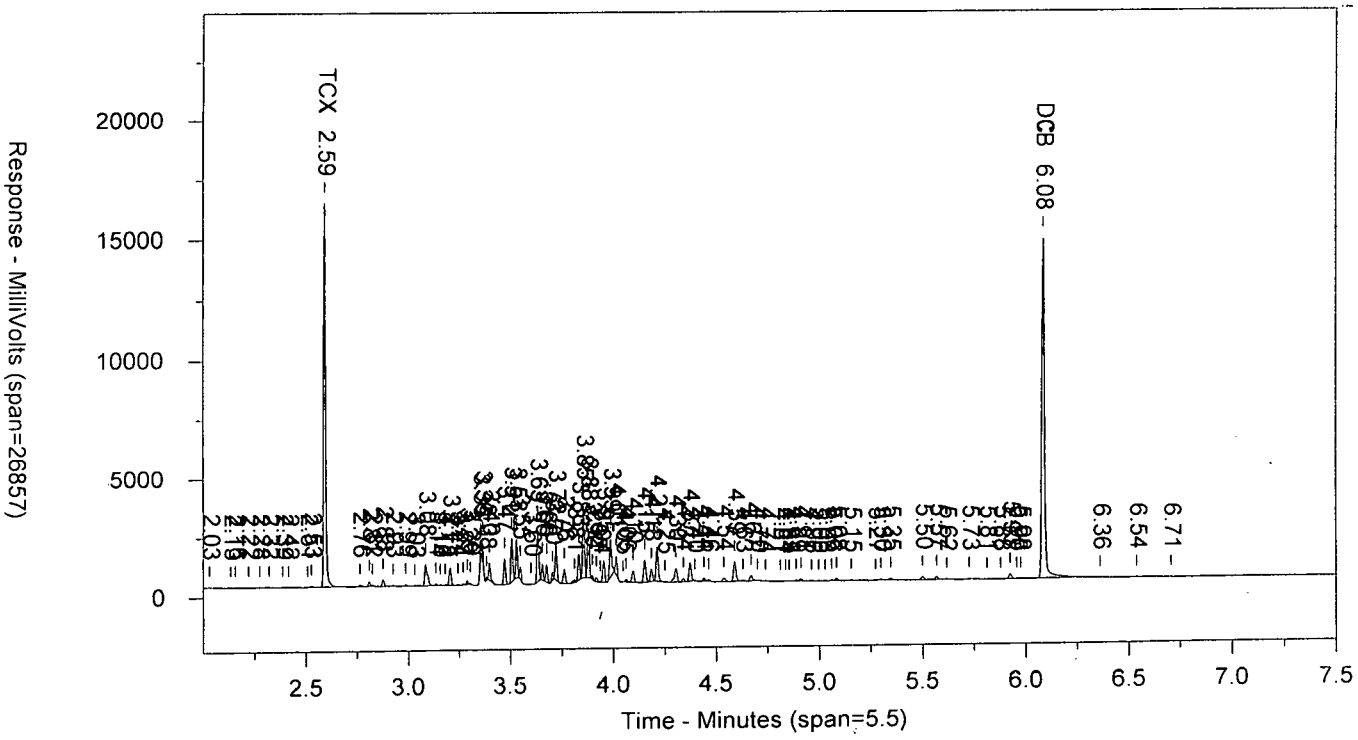

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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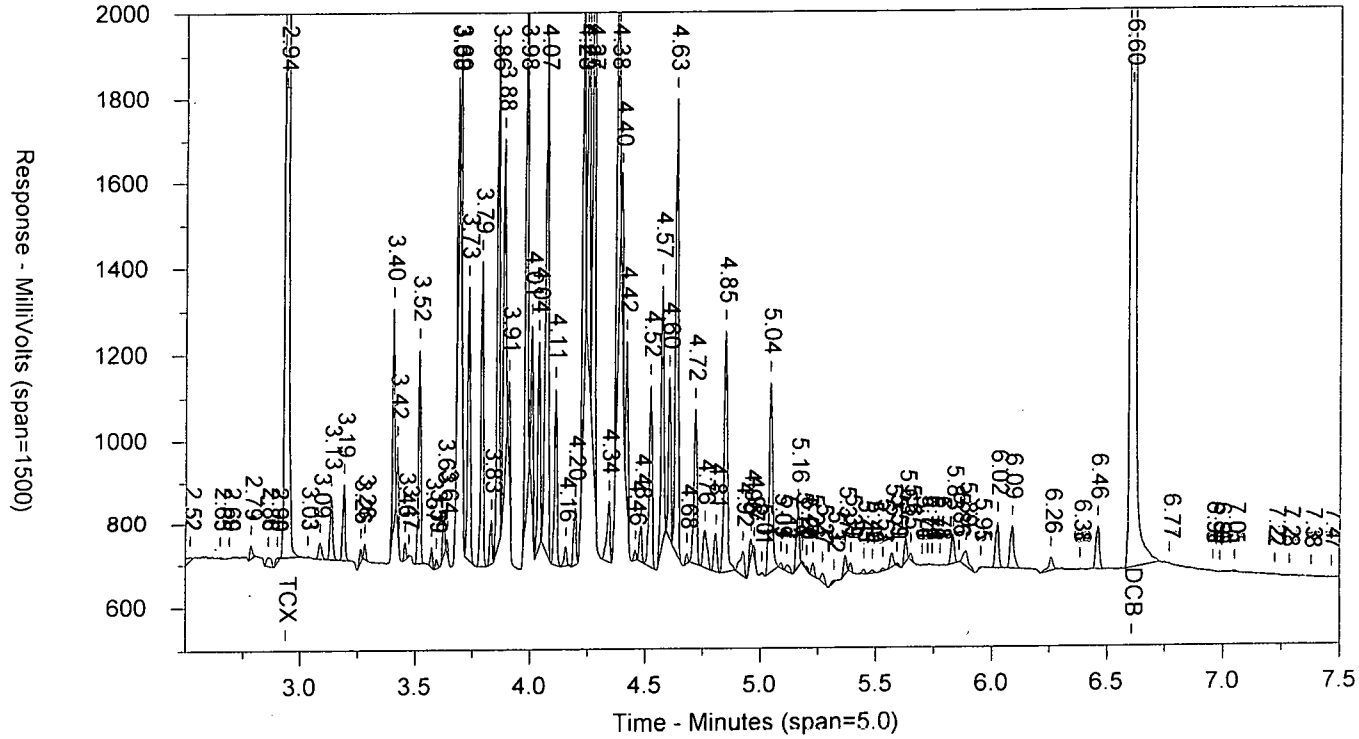


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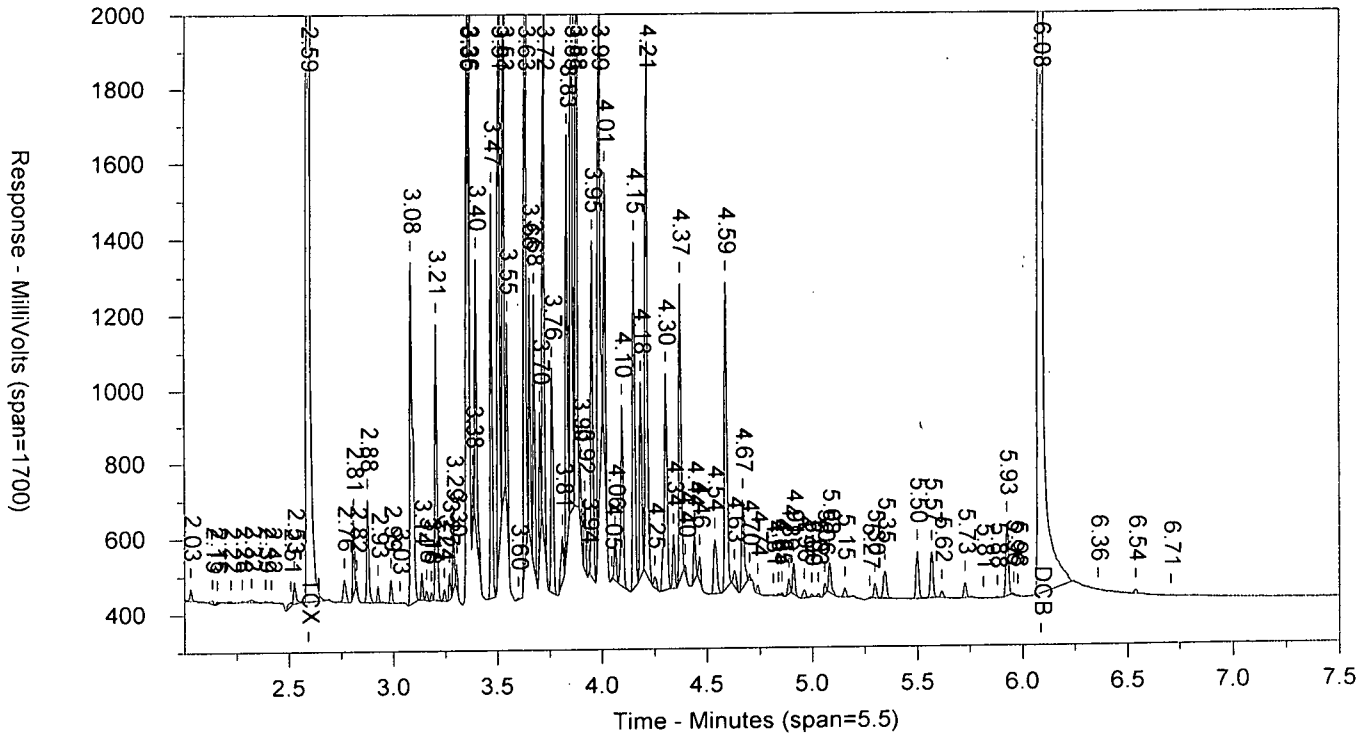

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.578 | | 30868 | 30988 |
| 1.615 | | 10780 | 34986 |
| 1.736 | | 3373 | 3074 |
| 1.78 | | 2850 | 1260 |
| 1.915 | | 2440 | 1309 |
| 1.993 | | 1763 | 616 |
| 2.061 | | 15357 | 45851 |
| 2.094 | | 4194 | 5461 |
| 2.175 | | 8364 | 13563 |
| 2.206 | | 5754 | 8532 |
| 2.234 | | 78812 | 61600 |
| 2.333 | | 35097 | 20715 |
| 2.342 | | 32360 | 18981 |
| 2.498 | | 8830 | 9679 |
| 2.574 | | 4714 | 2438 |
| 2.681 | | 3318 | 1967 |
| 2.76 | | 1511 | 1499 |
| 2.785 | | 35263 | 31251 |
| 2.856 | | 3460 | 2126 |
| 2.899 | | 7625 | 6467 |
| 2.937 | TCX | 16330050 | 10791140 |
| 3.036 | | 5402 | 2922 |
| 3.087 | | 92715 | 93072 |
| 3.134 | | 231778 | 197066 |
| 3.188 | | 430426 | 306061 |
| 3.264 | | 39305 | 23472 |
| 3.282 | | 85676 | 52822 |
| 3.403 | | 1192078 | 699810 |
| 3.42 | | 385033 | 202060 |
| 3.456 | | 93504 | 54813 |
| 3.473 | | 14594 | 5828 |
| 3.483 | | 17185 | 8052 |
| 3.517 | | 1118866 | 843283 |
| 3.573 | | 57308 | 34157 |
| 3.593 | | 56512 | 36890 |
| 3.626 | | 249359 | 144566 |
| 3.641 | | 78157 | 35611 |
| 3.683 | | 1081741 | 556872 |
| 3.694 | | 1248784 | 543266 |
| 3.731 | | 1462920 | 1146455 |
| 3.789 | | 1581065 | 1222644 |
| 3.831 | | 247966 | 171744 |
| 3.858 | | 2781102 | 1925523 |
| 3.885 | | 1746302 | 1345355 |
| 3.907 | | 481313 | 257744 |
| 3.981 | | 3089287 | 2229384 |
| 4.005 | | 948476 | 603733 |
| 4.036 | | 1157515 | 809330 |
| 4.07 | | 2918528 | 2504682 |
| 4.109 | | 932478 | 741872 |
| 4.156 | | 112265 | 96341 |
| 4.195 | | 323264 | 251311 |
| 4.228 | | 2535929 | 1660892 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.248 | | 3248913 | 2037407 |
| 4.271 | | 3710897 | 2737901 |
| 4.341 | | 338849 | 311160 |
| 4.376 | | 2668808 | 2174321 |
| 4.395 | | 836685 | 422064 |
| 4.417 | | 811911 | 553990 |
| 4.457 | | 53194 | 34416 |
| 4.481 | | 195539 | 145093 |
| 4.521 | | 994673 | 859135 |
| 4.572 | | 1389941 | 1173621 |
| 4.603 | | 839074 | 628736 |
| 4.633 | | 2453618 | 2073640 |
| 4.682 | | 47253 | 34468 |
| 4.715 | | 826682 | 765147 |
| 4.758 | | 207321 | 245715 |
| 4.805 | | 206964 | 190333 |
| 4.845 | | 1297426 | 1299875 |
| 4.924 | | 125014 | 165513 |
| 4.957 | | 94368 | 70549 |
| 4.969 | | 35242 | 25515 |
| 5.007 | | 18329 | 14173 |
| 5.042 | | 1034935 | 1094282 |
| 5.09 | | 30702 | 19898 |
| 5.115 | | 30948 | 44304 |
| 5.161 | | 329381 | 297988 |
| 5.181 | | 10741 | 7632 |
| 5.201 | | 20883 | 11983 |
| 5.228 | | 72556 | 60521 |
| 5.27 | | 42695 | 43701 |
| 5.31 | | 2688 | 2284 |
| 5.368 | | 105121 | 88340 |
| 5.391 | | 49033 | 34652 |
| 5.447 | | 27078 | 22850 |
| 5.485 | | 16471 | 19970 |
| 5.53 | | 10321 | 11397 |
| 5.567 | | 74112 | 70733 |
| 5.593 | | 9106 | 6017 |
| 5.628 | | 142898 | 124913 |
| 5.649 | | 15975 | 11615 |
| 5.787 | | 1841 | 436 |
| 5.832 | | 150138 | 153818 |
| 5.888 | | 75480 | 122998 |
| 5.951 | | 2438 | 2626 |
| 6.023 | | 168831 | 166974 |
| 6.086 | | 165625 | 192138 |
| 6.258 | | 67879 | 73224 |
| 6.3 | | 3471 | 2438 |
| 6.389 | | 2358 | 2112 |
| 6.427 | | 1420 | 750 |
| 6.458 | | 179646 | 178046 |
| 6.534 | | 830 | 367 |
| 6.605 | DCB | 11569640 | 11899720 |
| 7.05 | | 6814 | 8239 |
| 7.542 | | 1180 | 602 |
| 7.587 | | 1709 | 511 |
| 7.707 | | 1149 | 396 |
| 7.741 | | 1416 | 431 |
| 7.75 | | 1231 | 530 |
| 7.796 | | 1059 | 297 |
| 7.822 | | 1105 | 353 |
| 8.042 | | 2745 | 751 |
| 8.067 | | 1228 | 485 |
| 8.114 | | 1123 | 729 |
| 8.14 | | 1467 | 640 |
| 8.208 | | 1051 | 760 |
| 8.383 | | 1468 | 503 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.575 | | 2227 | 578 |

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 5744 | 5696 |
| 1.558 | | 5661 | 3964 |
| 1.648 | | 3679 | 2019 |
| 1.685 | | 4945 | 9668 |
| 1.722 | | 5497 | 3054 |
| 1.76 | | 10033 | 22619 |
| 1.796 | | 9487 | 11228 |
| 1.862 | | 8426 | 25443 |
| 1.902 | | 144461 | 133203 |
| 1.968 | | 10976 | 20426 |
| 2.029 | | 47291 | 33628 |
| 2.133 | | 8620 | 9070 |
| 2.159 | | 5052 | 5413 |
| 2.21 | | 2962 | 4540 |
| 2.276 | | 7888 | 4845 |
| 2.386 | | 5769 | 4197 |
| 2.507 | | 6051 | 8518 |
| 2.525 | | 59371 | 53404 |
| 2.591 | TCX | 24084770 | 15185330 |
| 2.764 | | 136865 | 130523 |
| 2.809 | | 265357 | 141804 |
| 2.824 | | 71393 | 32061 |
| 2.876 | | 602489 | 413890 |
| 2.925 | | 65168 | 37804 |
| 2.987 | | 144926 | 94756 |
| 3.083 | | 1967460 | 1829646 |
| 3.134 | | 161994 | 94609 |
| 3.156 | | 62588 | 39521 |
| 3.181 | | 55924 | 29533 |
| 3.205 | | 1622657 | 1123591 |
| 3.243 | | 83784 | 54088 |
| 3.269 | | 89241 | 44424 |
| 3.288 | | 367303 | 195388 |
| 3.303 | | 134122 | 60036 |
| 3.353 | | 1441189 | 680712 |
| 3.362 | | 1752924 | 702514 |
| 3.383 | | 297109 | 119560 |
| 3.397 | | 1640387 | 1029866 |
| 3.47 | | 2521271 | 1559195 |
| 3.506 | | 4088988 | 2562466 |
| 3.528 | | 3825142 | 2067519 |
| 3.546 | | 1197357 | 596781 |
| 3.595 | | 4659 | 3730 |
| 3.632 | | 5107096 | 3252872 |
| 3.654 | | 1547490 | 819490 |
| 3.674 | | 1676251 | 971357 |
| 3.703 | | 763872 | 393716 |
| 3.72 | | 3754953 | 2225296 |
| 3.761 | | 1392458 | 968568 |
| 3.809 | | 265930 | 230107 |
| 3.831 | | 2637529 | 1583024 |
| 3.854 | | 7254143 | 4409242 |
| 3.878 | | 4888730 | 2993561 |
| 3.897 | | 351380 | 158370 |

| | | | |
|---|---|---|---|
| 3.916 | | 381944 | 218377 |
| 3.936 | | 15383 | 6334 |
| 3.952 | | 1990047 | 1349405 |
| 3.985 | | 3697510 | 2738786 |
| 4.013 | | 1923335 | 1077217 |
| 4.045 | | 7238 | 2985 |
| 4.06 | | 263921 | 175222 |
| 4.095 | | 1106119 | 851185 |
| 4.151 | | 2092494 | 1594974 |
| 4.183 | | 1244711 | 861659 |
| 4.211 | | 3358845 | 2409487 |
| 4.249 | | 61862 | 58198 |
| 4.304 | | 1333896 | 1215187 |
| 4.339 | | 316319 | 228536 |
| 4.372 | | 1827851 | 1375732 |
| 4.394 | | 39443 | 21234 |
| 4.439 | | 273365 | 175156 |
| 4.463 | | 150613 | 101542 |
| 4.535 | | 317777 | 345642 |
| 4.588 | | 1957773 | 1600810 |
| 4.629 | | 92666 | 85761 |
| 4.667 | | 525717 | 458140 |
| 4.699 | | 38221 | 18600 |
| 4.713 | | 26560 | 11720 |
| 4.737 | | 44198 | 32735 |
| 4.797 | | 2589 | 1449 |
| 4.811 | | 5823 | 3655 |
| 4.836 | | 13452 | 7849 |
| 4.854 | | 19647 | 12912 |
| 4.886 | | 87502 | 62915 |
| 4.91 | | 177413 | 133777 |
| 4.96 | | 48292 | 46278 |
| 4.995 | | 18333 | 14269 |
| 5.029 | | 18643 | 14204 |
| 5.059 | | 65731 | 45286 |
| 5.082 | | 179810 | 157422 |
| 5.154 | | 16808 | 38556 |
| 5.273 | | 6006 | 3626 |
| 5.297 | | 92426 | 76227 |
| 5.344 | | 160593 | 180511 |
| 5.498 | | 194379 | 166997 |
| 5.566 | | 180605 | 165201 |
| 5.616 | | 41733 | 36467 |
| 5.725 | | 90236 | 76735 |
| 5.756 | | 4850 | 3487 |
| 5.925 | | 285779 | 254350 |
| 5.954 | | 4896 | 2719 |
| 5.975 | | 2797 | 2480 |
| 6.084 | DCB | 20866000 | 19555910 |
| 6.298 | | 3917 | 1996 |
| 6.423 | | 4299 | 2991 |
| 6.536 | | 18577 | 21969 |
| 6.711 | | 3255 | 3891 |
| 8.163 | | 10094 | 18362 |
| 8.37 | | 1503 | 1074 |

AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

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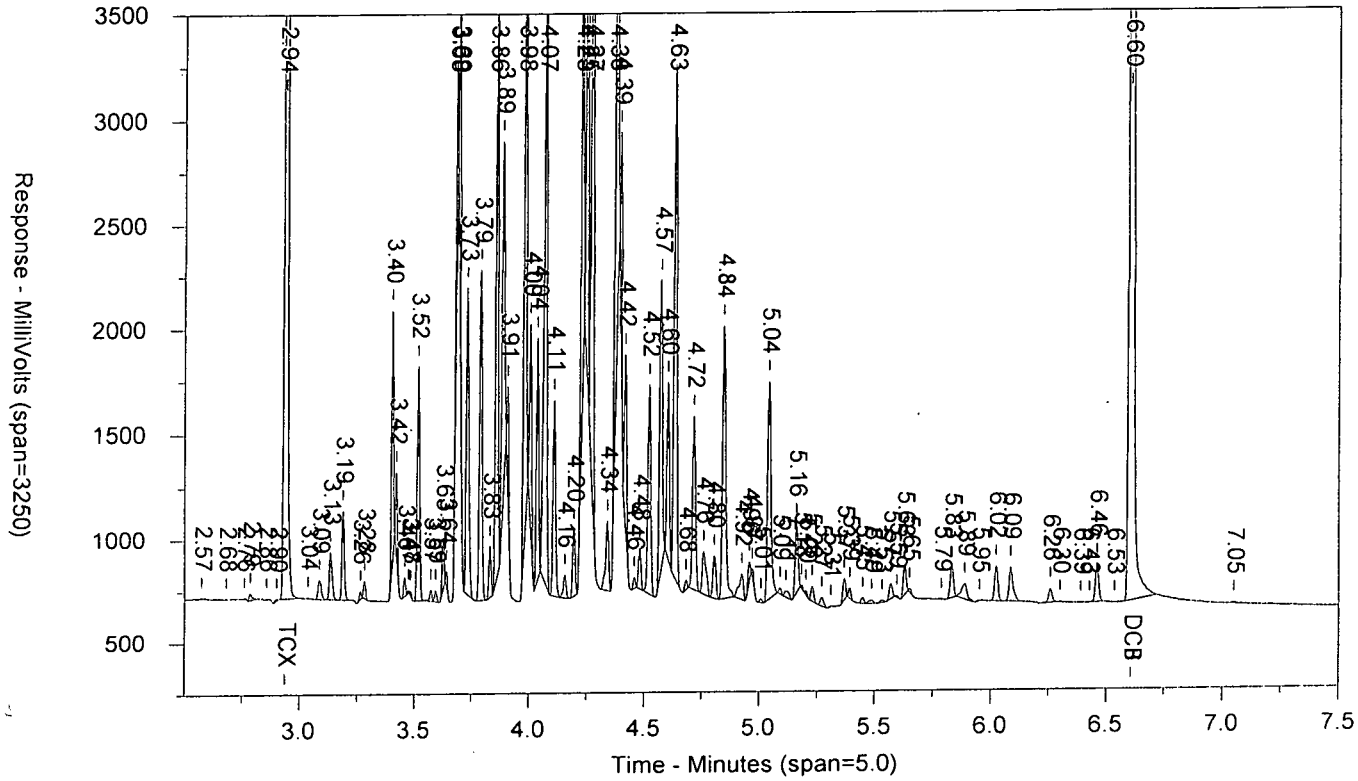


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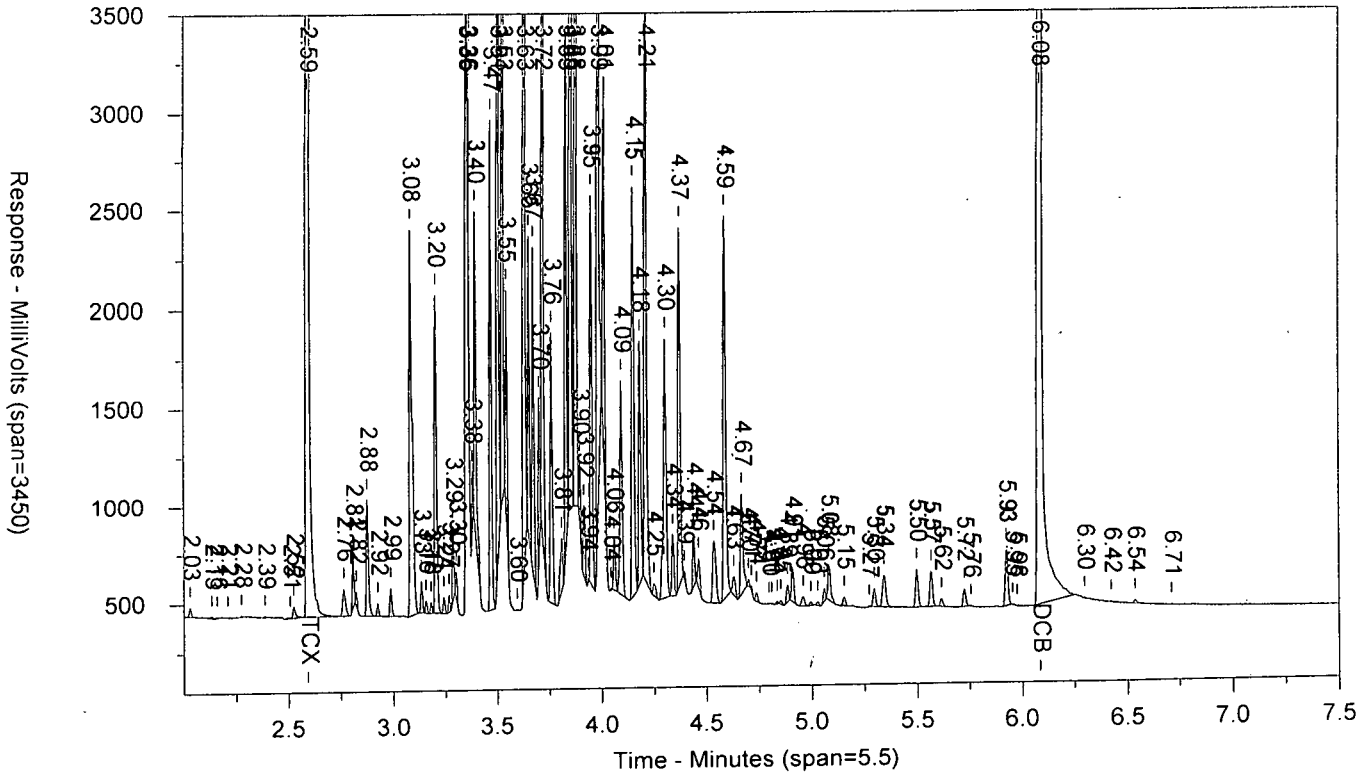


LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

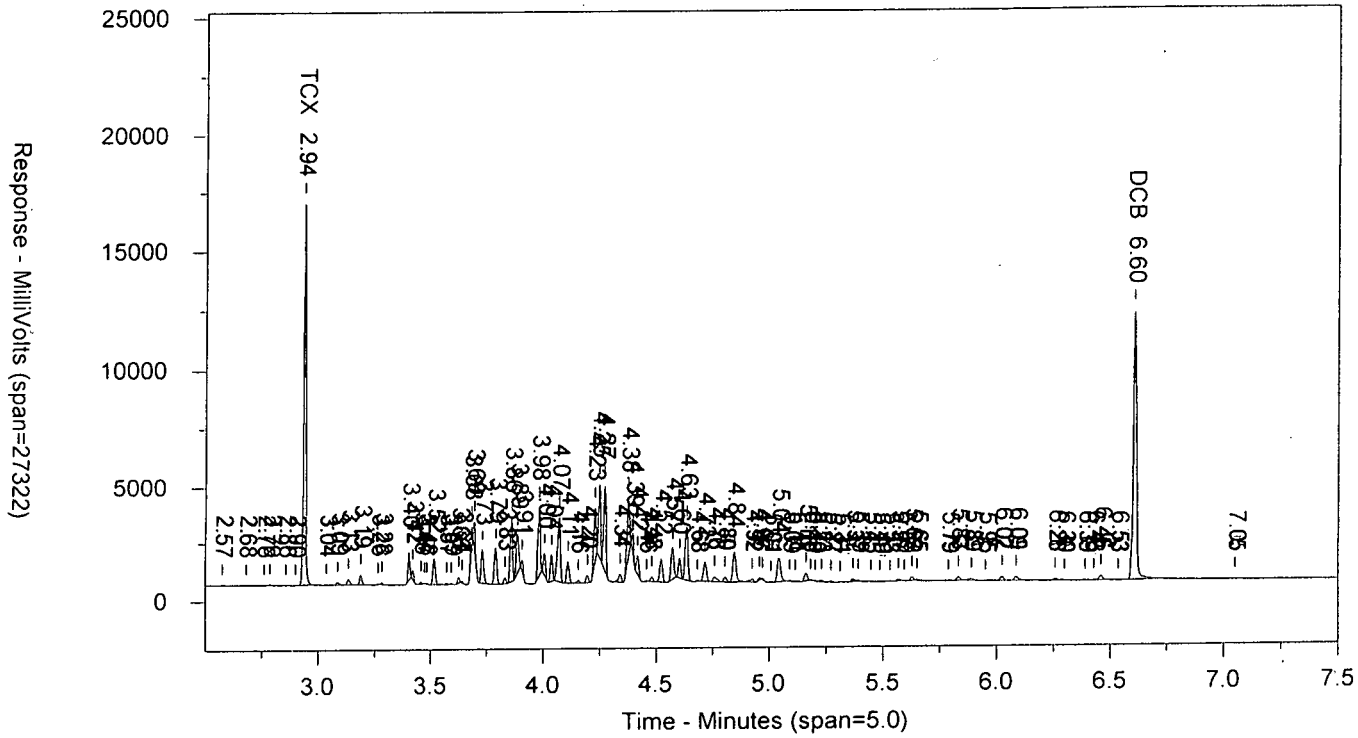
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 16330050 | 59.573 | TCX | 2.591 | 24084770 | 58.102 | TCX |
| 6.605 | 11569640 | 57.337 | DCB | 6.084 | 20866000 | 55.12 | DCB |

Files:
Area File: 07PCBS17284001.0017.RAW
Area File: 07PCBS17284001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:14:26 PM
File Reported On: 10/11/2017 at 10:14:39 PM

AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0017.RAW

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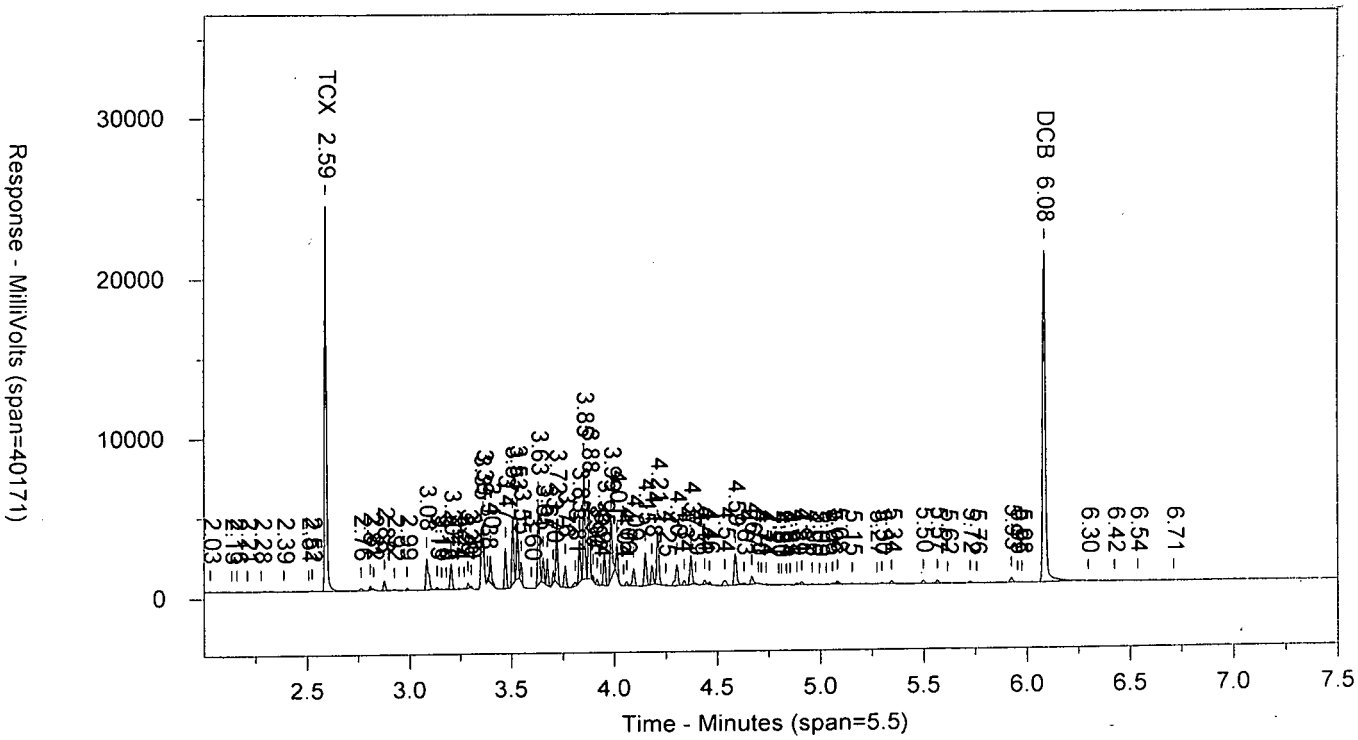
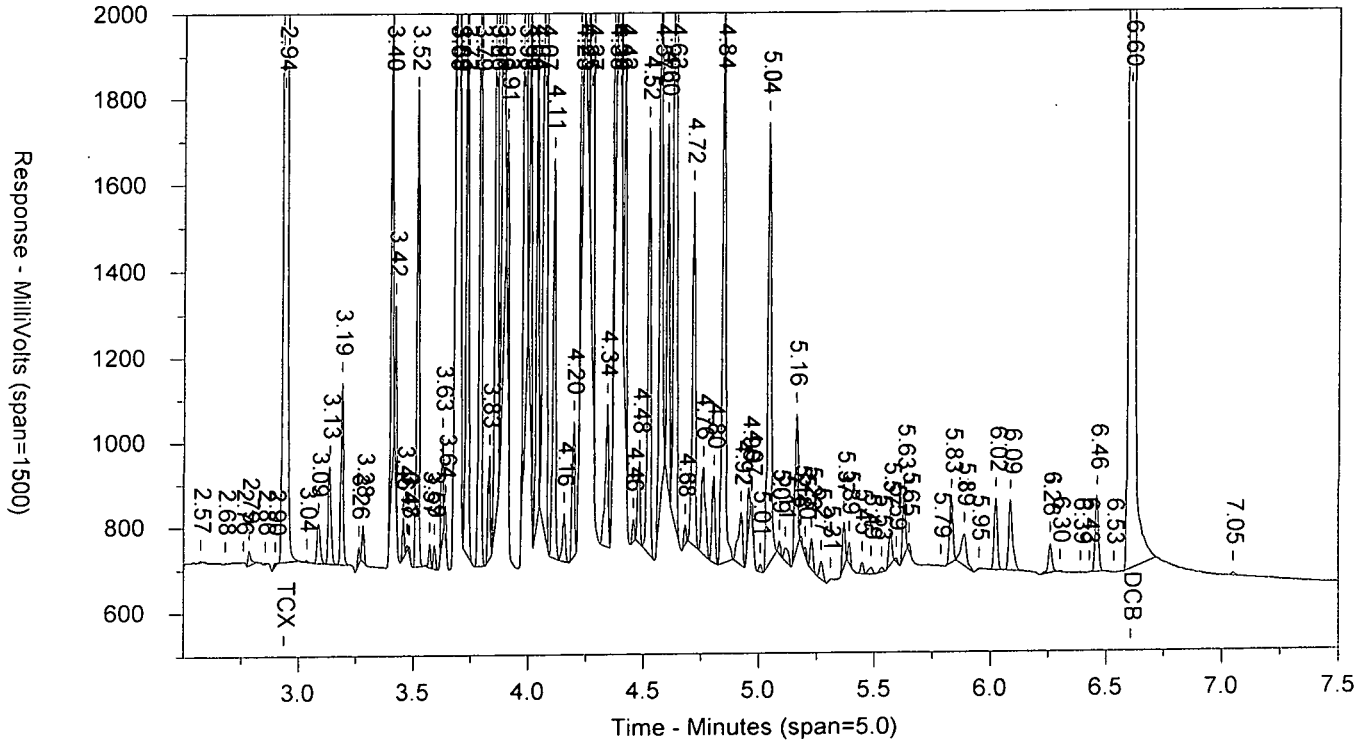


AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0017.RAW

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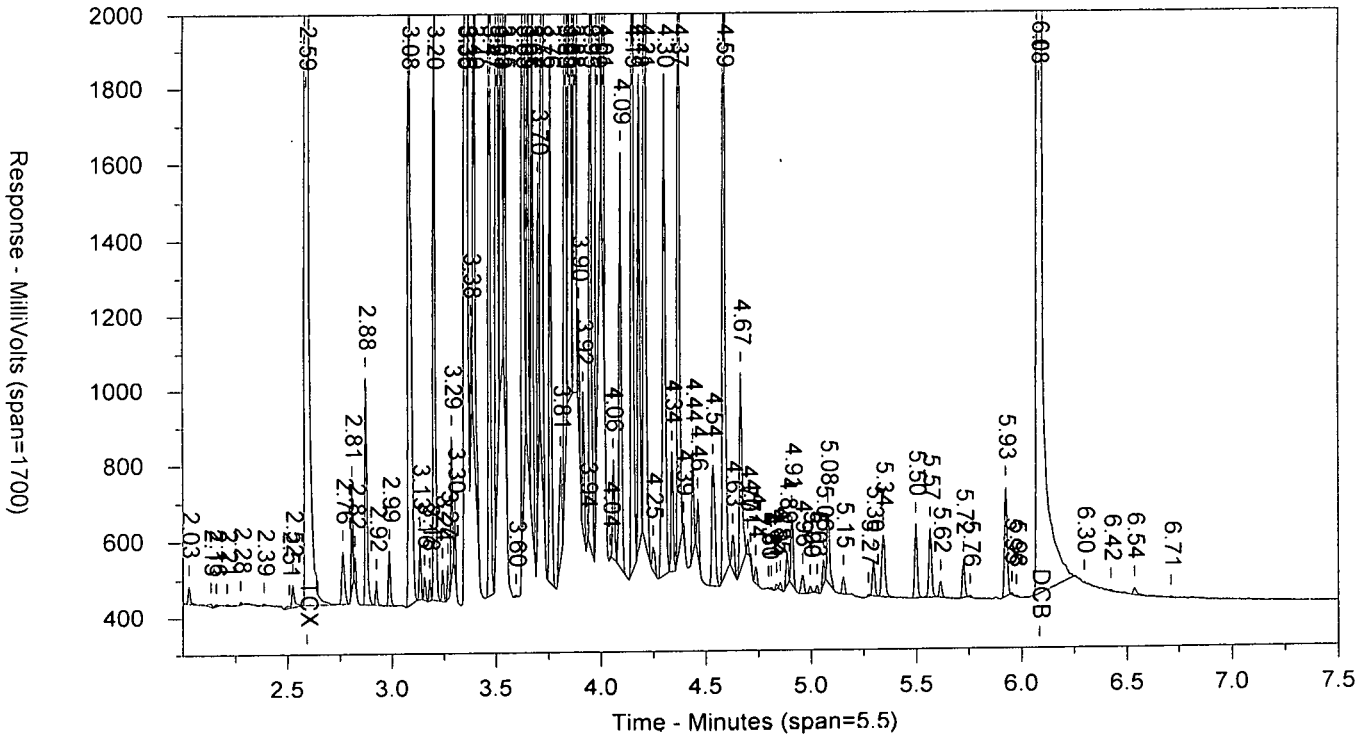

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.583 | | 45364 | 48729 |
| 1.612 | | 31144 | 66619 |
| 1.649 | | 5622 | 4765 |
| 1.74 | | 2270 | 1915 |
| 1.779 | | 4652 | 3699 |
| 2.004 | | 36056 | 88047 |
| 2.061 | | 27055 | 63138 |
| 2.09 | | 9052 | 9684 |
| 2.187 | | 8884 | 25161 |
| 2.234 | | 99793 | 68358 |
| 2.334 | | 39354 | 22950 |
| 2.343 | | 41433 | 26648 |
| 2.437 | | 2050 | 1522 |
| 2.525 | | 21417 | 72466 |
| 2.547 | | 14391 | 20180 |
| 2.575 | | 11897 | 10295 |
| 2.712 | | 2183 | 5277 |
| 2.785 | | 32939 | 30669 |
| 2.866 | | 18435 | 27645 |
| 2.905 | | 7584 | 12997 |
| 2.937 | TCX | 21592850 | 14195450 |
| 3.035 | | 6048 | 3371 |
| 3.087 | | 171728 | 170035 |
| 3.135 | | 309797 | 284542 |
| 3.189 | | 789334 | 559833 |
| 3.264 | | 45262 | 26899 |
| 3.281 | | 164416 | 104889 |
| 3.403 | | 2169707 | 1304013 |
| 3.42 | | 743674 | 371727 |
| 3.457 | | 182327 | 106289 |
| 3.473 | | 24103 | 9828 |
| 3.483 | | 38316 | 16322 |
| 3.517 | | 2144852 | 1589846 |
| 3.553 | | 7510 | 3783 |
| 3.573 | | 75759 | 45021 |
| 3.594 | | 107687 | 70088 |
| 3.626 | | 471149 | 277907 |
| 3.641 | | 146530 | 69956 |
| 3.683 | | 2159704 | 1135148 |
| 3.695 | | 2462731 | 1137558 |
| 3.731 | | 2789385 | 2174229 |
| 3.79 | | 3198760 | 2352546 |
| 3.831 | | 471563 | 324478 |
| 3.859 | | 5384091 | 3732793 |
| 3.885 | | 3507151 | 2644190 |
| 3.906 | | 859087 | 442526 |
| 3.981 | | 6220448 | 4392752 |
| 4.006 | | 1861533 | 1172078 |
| 4.037 | | 2200507 | 1530851 |
| 4.07 | | 5826088 | 4917044 |
| 4.11 | | 1779110 | 1398122 |
| 4.157 | | 215564 | 183577 |
| 4.196 | | 617961 | 472959 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.228 | | 4844688 | 3302372 |
| 4.249 | | 6577990 | 4076467 |
| 4.271 | | 7644800 | 5475231 |
| 4.341 | | 606142 | 580211 |
| 4.376 | | 5009248 | 4118909 |
| 4.396 | | 1768481 | 905562 |
| 4.418 | | 1619812 | 1061719 |
| 4.458 | | 106824 | 68759 |
| 4.481 | | 362103 | 275569 |
| 4.522 | | 1846941 | 1629255 |
| 4.572 | | 2629803 | 2230221 |
| 4.604 | | 1674514 | 1210349 |
| 4.634 | | 4829860 | 4113609 |
| 4.682 | | 95595 | 65139 |
| 4.716 | | 1628702 | 1466292 |
| 4.759 | | 395039 | 464848 |
| 4.805 | | 405655 | 362015 |
| 4.846 | | 2560201 | 2497327 |
| 4.925 | | 236630 | 310004 |
| 4.958 | | 169542 | 134945 |
| 4.97 | | 65136 | 40816 |
| 5.008 | | 32486 | 26151 |
| 5.043 | | 2172517 | 2135663 |
| 5.09 | | 54521 | 38668 |
| 5.115 | | 51833 | 74589 |
| 5.162 | | 614420 | 567945 |
| 5.184 | | 36720 | 18094 |
| 5.201 | | 35400 | 21772 |
| 5.228 | | 134613 | 111652 |
| 5.271 | | 77562 | 77775 |
| 5.312 | | 12251 | 14081 |
| 5.367 | | 209984 | 169398 |
| 5.39 | | 92163 | 61729 |
| 5.447 | | 53610 | 45131 |
| 5.485 | | 31345 | 37491 |
| 5.531 | | 16573 | 18823 |
| 5.567 | | 143764 | 136455 |
| 5.592 | | 20516 | 13251 |
| 5.628 | | 261972 | 240828 |
| 5.65 | | 23814 | 13572 |
| 5.832 | | 281208 | 280730 |
| 5.887 | | 136362 | 224891 |
| 5.952 | | 7860 | 9249 |
| 6.022 | | 229524 | 219321 |
| 6.086 | | 207640 | 273120 |
| 6.232 | | 2222 | 1422 |
| 6.257 | | 115553 | 123431 |
| 6.298 | | 4325 | 4192 |
| 6.387 | | 3262 | 2955 |
| 6.43 | | 1355 | 718 |
| 6.458 | | 238046 | 242723 |
| 6.544 | | 1664 | 337 |
| 6.605 | DCB | 15141630 | 15285840 |
| 6.99 | | 1538 | 602 |
| 7.049 | | 9415 | 12462 |
| 7.41 | | 1532 | 791 |
| 7.455 | | 1889 | 625 |
| 7.487 | | 1710 | 948 |
| 7.782 | | 1207 | 860 |
| 7.855 | | 933 | 439 |
| 7.887 | | 1836 | 632 |
| 8.068 | | 1700 | 598 |
| 8.097 | | 1365 | 454 |
| 8.142 | | 1195 | 278 |
| 8.228 | | 1625 | 643 |
| 8.32 | | 2114 | 782 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.366 | | 1739 | 798 |
| 8.433 | | 1961 | 1488 |
| 8.516 | | 1532 | 749 |
| 8.57 | | 1792 | 569 |
| 8.694 | | 1343 | 608 |

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.558 | | 3670 | 2808 |
| 1.649 | | 3026 | 1813 |
| 1.722 | | 7523 | 4318 |
| 1.771 | | 16019 | 36038 |
| 1.794 | | 16259 | 20535 |
| 1.819 | | 16027 | 26442 |
| 1.865 | | 14527 | 14181 |
| 1.903 | | 187950 | 186293 |
| 1.969 | | 17233 | 48522 |
| 2.03 | | 67036 | 54632 |
| 2.124 | | 10827 | 14883 |
| 2.163 | | 9533 | 17130 |
| 2.276 | | 19006 | 14624 |
| 2.322 | | 4443 | 5705 |
| 2.386 | | 5093 | 3571 |
| 2.414 | | 4129 | 18839 |
| 2.509 | | 6918 | 9619 |
| 2.525 | | 53045 | 48968 |
| 2.592 | TCX | 33319490 | 20580800 |
| 2.765 | | 266757 | 244863 |
| 2.809 | | 355029 | 180736 |
| 2.824 | | 151823 | 72788 |
| 2.876 | | 1142436 | 786839 |
| 2.926 | | 83786 | 48913 |
| 2.987 | | 271113 | 182038 |
| 3.031 | | 2196 | 1092 |
| 3.084 | | 3785245 | 3482703 |
| 3.135 | | 309309 | 185391 |
| 3.157 | | 116612 | 73904 |
| 3.181 | | 109192 | 58028 |
| 3.205 | | 3188112 | 2172421 |
| 3.244 | | 152462 | 100413 |
| 3.27 | | 109213 | 54509 |
| 3.289 | | 702878 | 377364 |
| 3.304 | | 247403 | 114528 |
| 3.355 | | 2936891 | 1280473 |
| 3.363 | | 3799642 | 1459992 |
| 3.383 | | 580169 | 228225 |
| 3.398 | | 3301050 | 2041927 |
| 3.471 | | 4933085 | 3100302 |
| 3.507 | | 8349846 | 5032762 |
| 3.53 | | 7610655 | 4086469 |
| 3.547 | | 2332451 | 1165574 |
| 3.596 | | 7517 | 5510 |
| 3.632 | | 10067980 | 6422796 |
| 3.655 | | 3152076 | 1634618 |
| 3.675 | | 3325619 | 1935865 |
| 3.704 | | 1457786 | 746604 |
| 3.721 | | 7614747 | 4418752 |
| 3.762 | | 2637794 | 1879709 |
| 3.811 | | 523572 | 437174 |
| 3.832 | | 4901854 | 2993106 |
| 3.854 | | 14655040 | 8819751 |
| 3.879 | | 10183290 | 6095651 |

| | | | |
|---|---|---|---|
| 3.897 | | 688769 | 309421 |
| 3.918 | | 744336 | 424157 |
| 3.953 | | 3976450 | 2762464 |
| 3.986 | | 7488606 | 5482800 |
| 4.014 | | 3979306 | 2251948 |
| 4.045 | | 13283 | 4964 |
| 4.062 | | 508997 | 341120 |
| 4.096 | | 1983197 | 1542805 |
| 4.152 | | 4333592 | 3182043 |
| 4.184 | | 2500557 | 1691196 |
| 4.212 | | 6716961 | 4834884 |
| 4.25 | | 122169 | 116834 |
| 4.305 | | 2623354 | 2388520 |
| 4.34 | | 625292 | 450278 |
| 4.373 | | 3512563 | 2615931 |
| 4.395 | | 81905 | 46029 |
| 4.44 | | 499694 | 331863 |
| 4.464 | | 303317 | 204363 |
| 4.537 | | 637894 | 657047 |
| 4.589 | | 4159736 | 3292861 |
| 4.629 | | 185778 | 162028 |
| 4.669 | | 1006163 | 880309 |
| 4.701 | | 105956 | 113144 |
| 4.739 | | 78969 | 58443 |
| 4.782 | | 3992 | 1567 |
| 4.797 | | 3731 | 1753 |
| 4.811 | | 8818 | 5371 |
| 4.837 | | 25542 | 15851 |
| 4.856 | | 38186 | 24606 |
| 4.888 | | 162336 | 117945 |
| 4.912 | | 335766 | 258824 |
| 4.962 | | 87463 | 82726 |
| 4.997 | | 36479 | 27188 |
| 5.029 | | 33002 | 27425 |
| 5.06 | | 130282 | 90291 |
| 5.084 | | 347444 | 301418 |
| 5.156 | | 65397 | 55021 |
| 5.275 | | 8677 | 6006 |
| 5.299 | | 166091 | 141352 |
| 5.346 | | 311514 | 343392 |
| 5.499 | | 249740 | 219211 |
| 5.567 | | 238742 | 217917 |
| 5.617 | | 68713 | 64230 |
| 5.726 | | 165979 | 141068 |
| 5.756 | | 6163 | 4420 |
| 5.877 | | 5848 | 5475 |
| 5.926 | | 387336 | 342062 |
| 5.956 | | 5951 | 3541 |
| 6.086 | DCB | 27624690 | 25248370 |
| 6.255 | | 6842 | 8724 |
| 6.537 | | 23769 | 25932 |
| 8.014 | | 1643 | 1704 |
| 8.164 | | 10033 | 17605 |

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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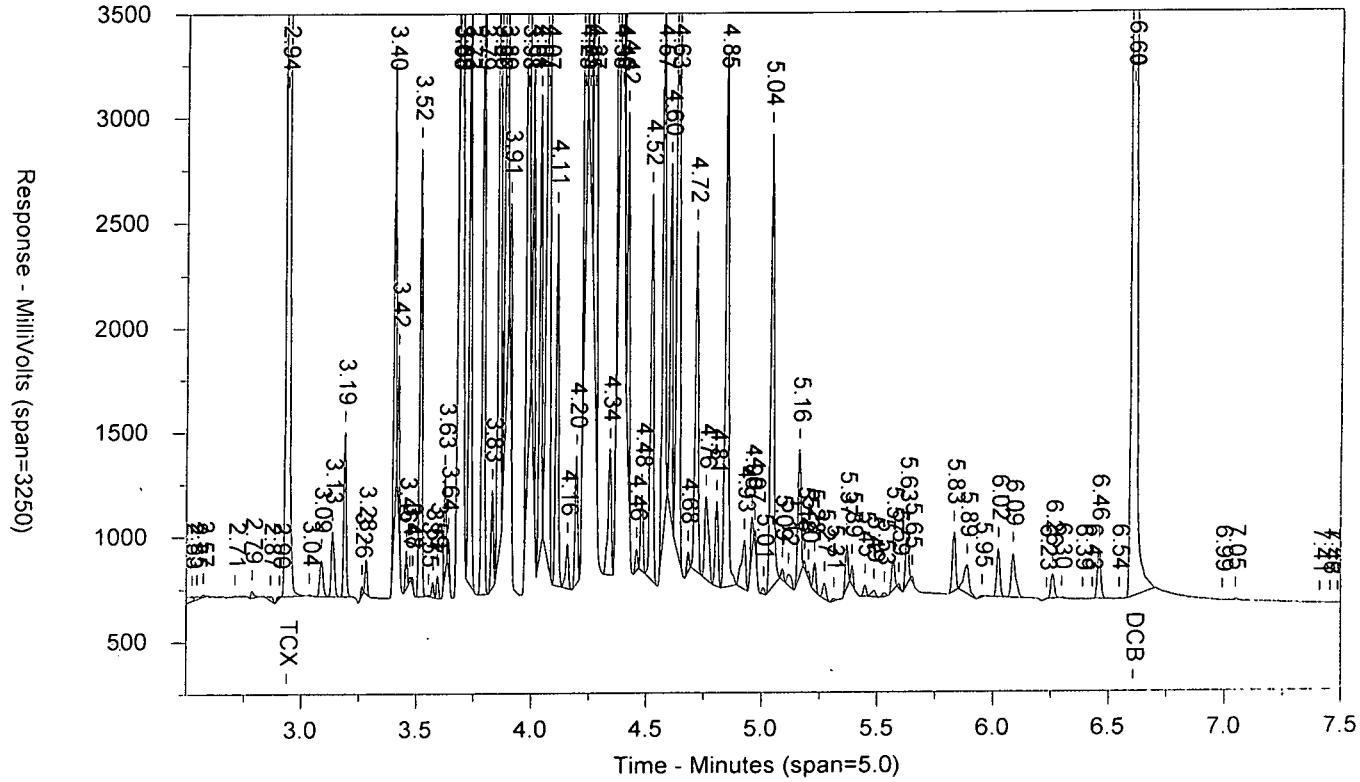


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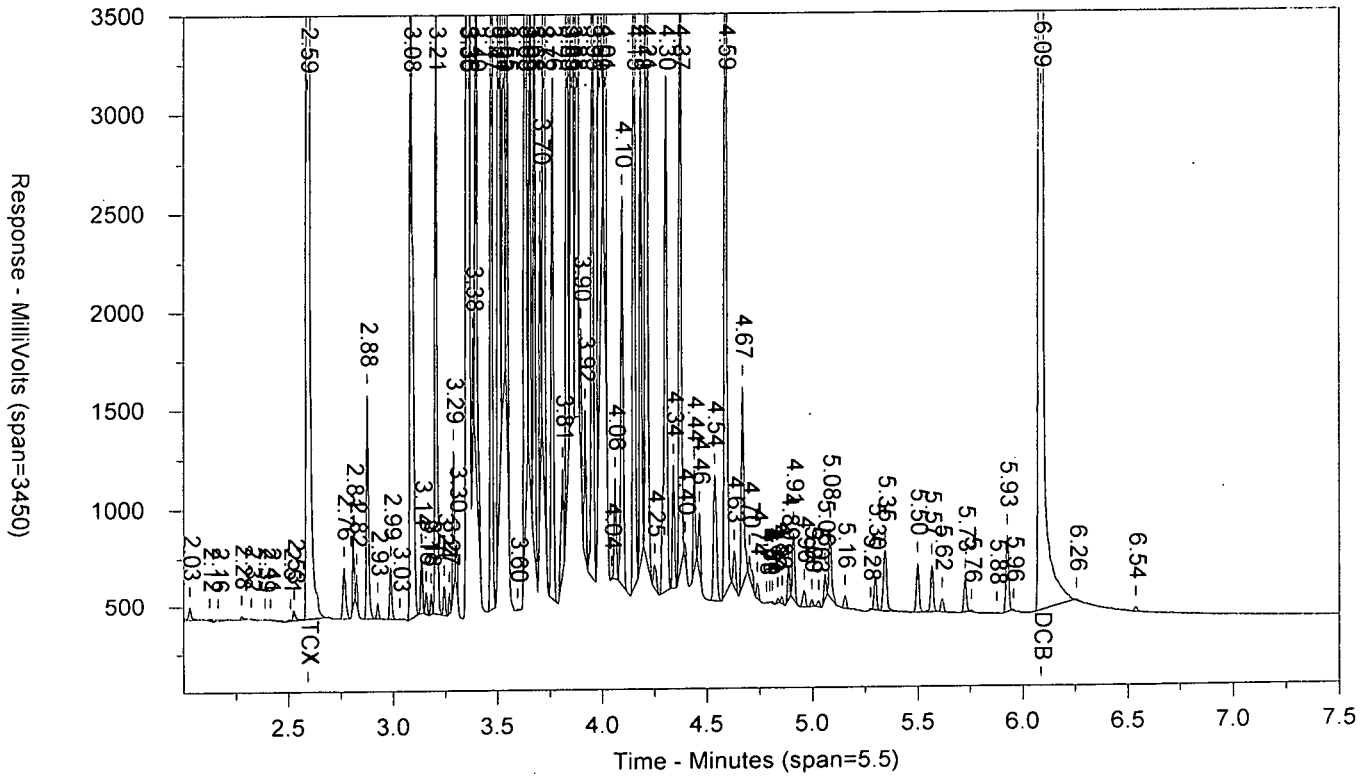

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 21592850 | 78.771 | TCX | 2.592 | 33319490 | 80.379 | TCX |
| 6.605 | 15141630 | 75.039 | DCB | 6.086 | 27624690 | 72.974 | DCB |

Files:
Area File: 07PCBS17284001.0018.RAW
Area File: 07PCBS17284001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:25:52 PM
File Reported On: 10/11/2017 at 10:25:59 PM

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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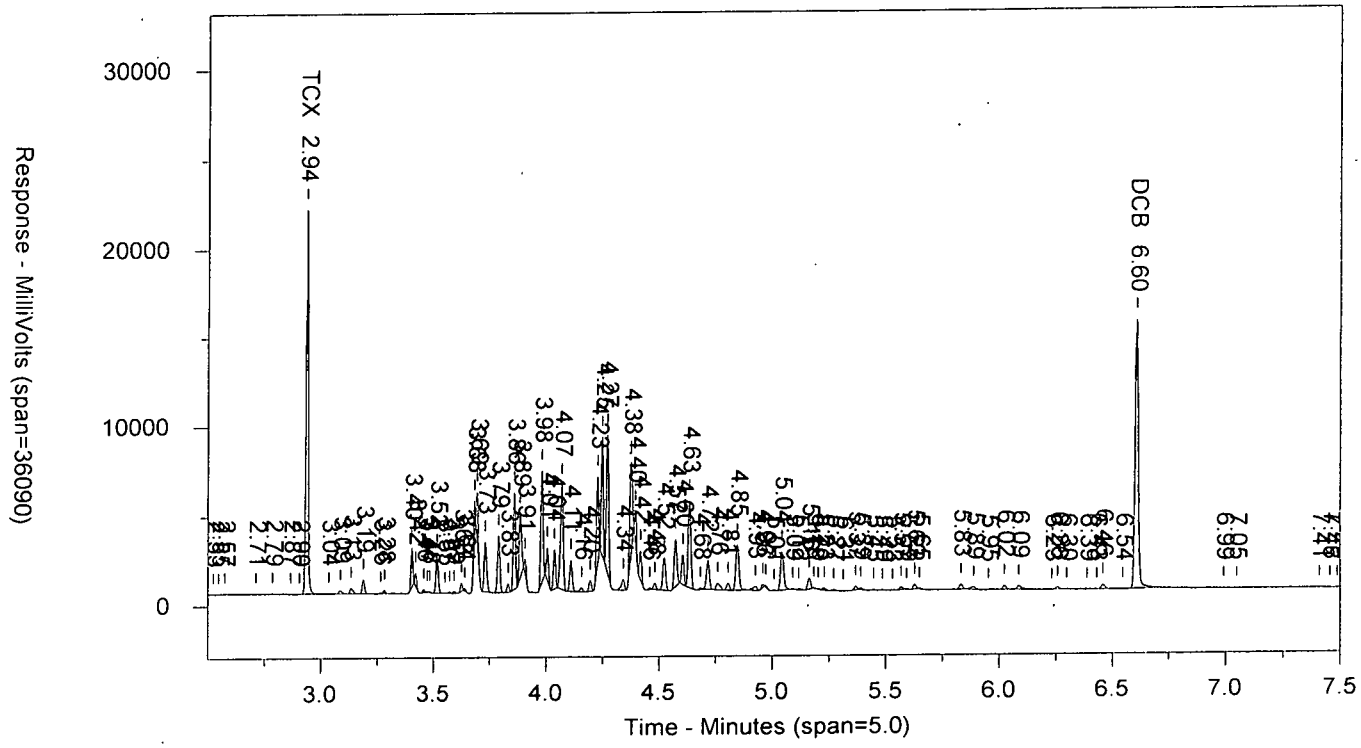


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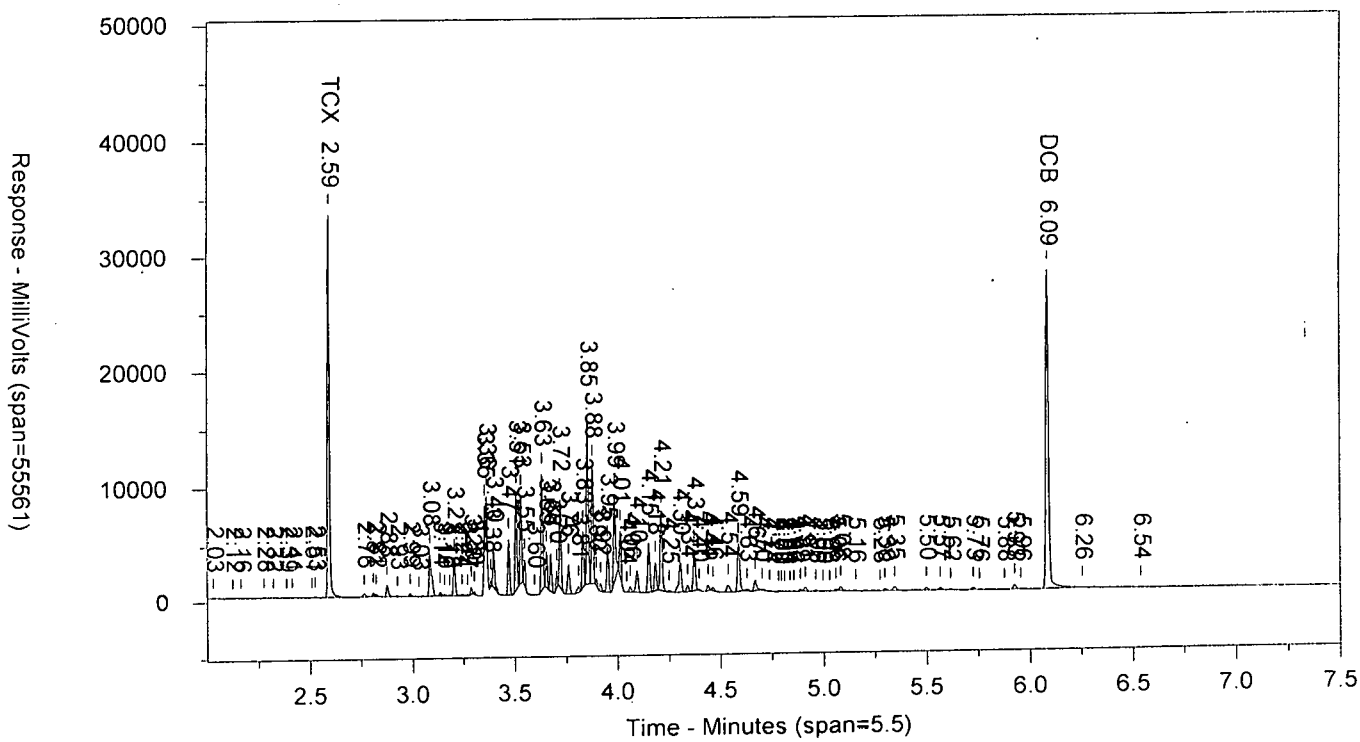

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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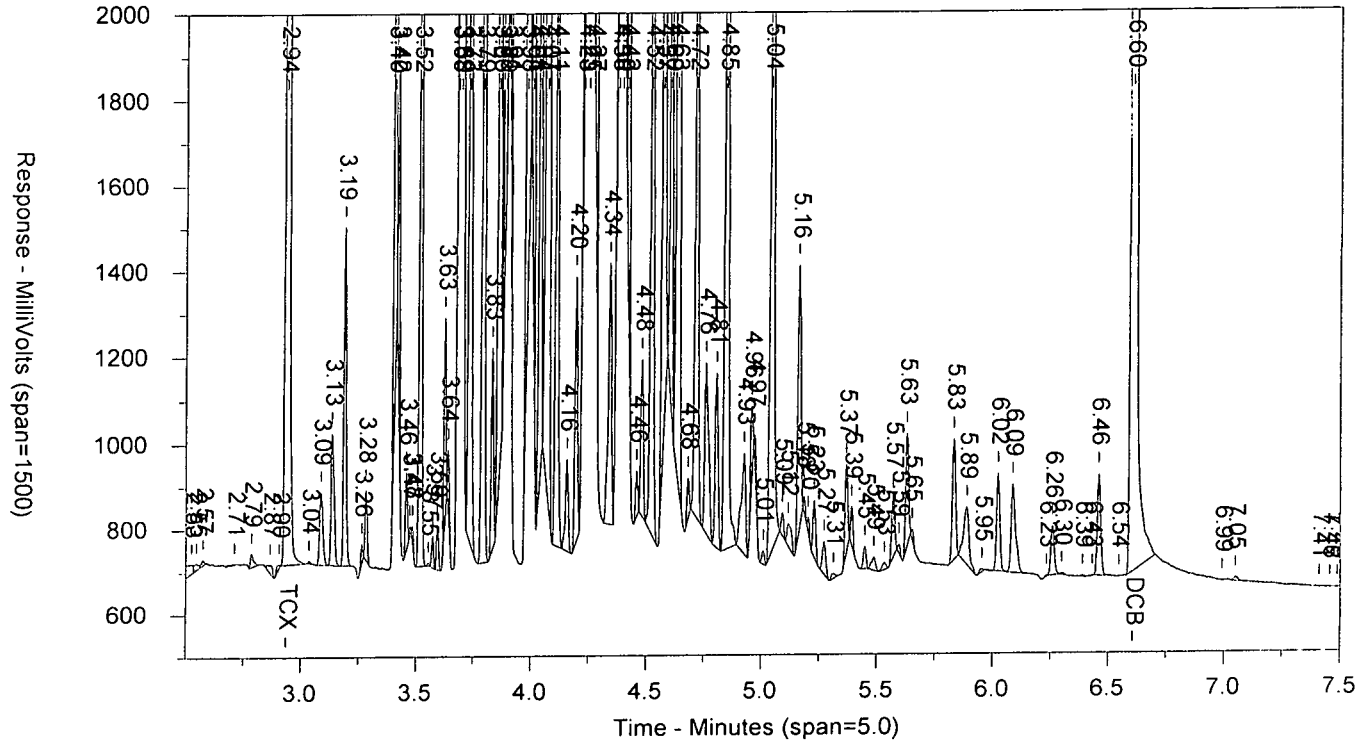


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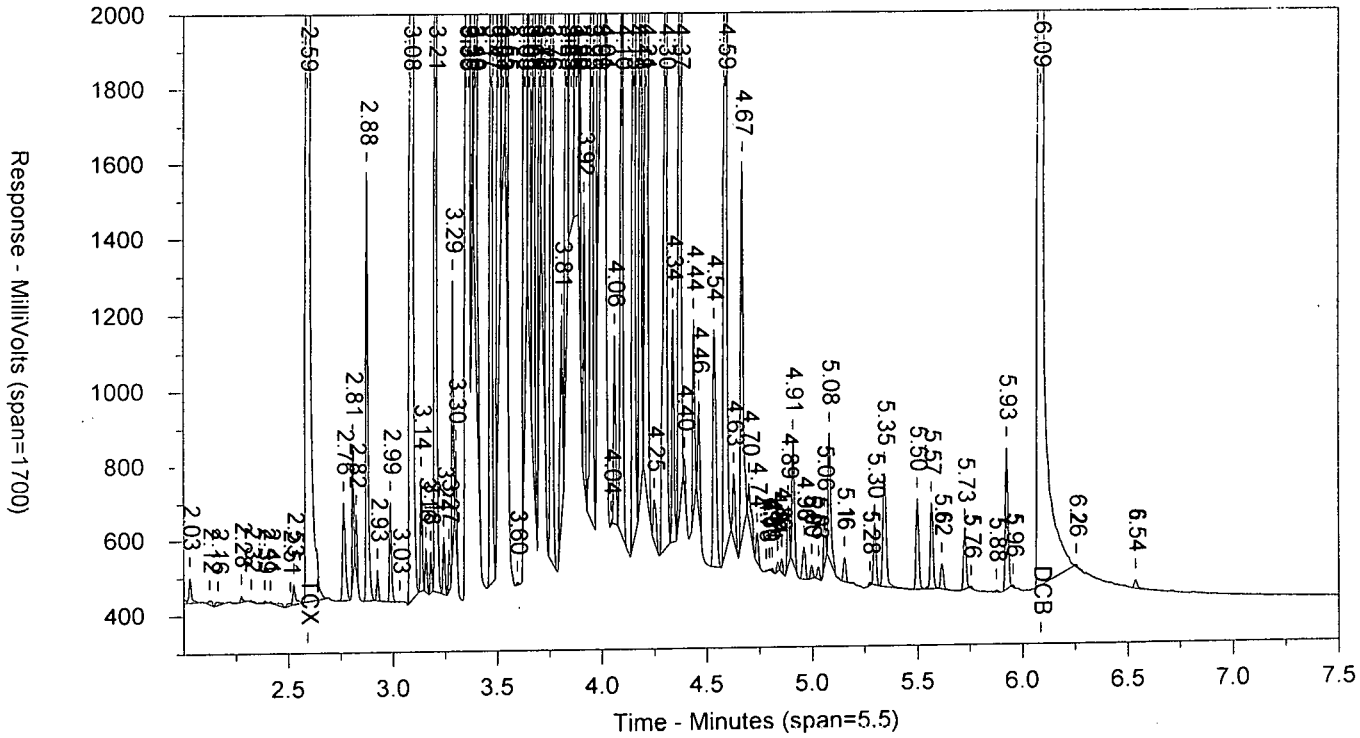

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.544 | | 15800 | 20912 |
| 1.581 | | 21722 | 19605 |
| 1.616 | | 2736 | 17735 |
| 1.735 | | 2024 | 1564 |
| 1.972 | | 1931 | 1214 |
| 2.062 | | 13144 | 38215 |
| 2.09 | | 5082 | 4113 |
| 2.171 | | 2634 | 3354 |
| 2.333 | | 30128 | 20197 |
| 2.515 | | 4915 | 19591 |
| 2.69 | | 2280 | 2102 |
| 2.754 | | 4296 | 7110 |
| 2.786 | | 30551 | 22450 |
| 2.861 | | 5232 | 3874 |
| 2.937 | TCX | 588677 | 462956 |
| 3.134 | | 9813 | 7343 |
| 3.266 | | 5488 | 5731 |
| 3.403 | | 5334 | 2978 |
| 3.516 | | 5497 | 3257 |
| 3.601 | | 7019 | 6628 |
| 3.627 | | 3022 | 1390 |
| 3.682 | | 6928 | 6519 |
| 3.731 | | 10286 | 9353 |
| 3.777 | | 1931 | 561 |
| 3.791 | | 6517 | 3599 |
| 3.859 | | 160528 | 113263 |
| 3.885 | | 46401 | 39501 |
| 3.928 | | 5639 | 5840 |
| 3.946 | | 1627 | 428 |
| 3.982 | | 100724 | 73420 |
| 4.006 | | 5148 | 3048 |
| 4.037 | | 9964 | 7460 |
| 4.071 | | 43374 | 35802 |
| 4.112 | | 8269 | 5490 |
| 4.174 | | 8518 | 6304 |
| 4.195 | | 6826 | 4603 |
| 4.23 | | 237698 | 165381 |
| 4.249 | | 98635 | 55894 |
| 4.274 | | 83553 | 70203 |
| 4.342 | | 79592 | 64069 |
| 4.384 | | 374228 | 406470 |
| 4.418 | | 152170 | 123265 |
| 4.458 | | 5949 | 4210 |
| 4.482 | | 25424 | 18874 |
| 4.523 | | 143633 | 124430 |
| 4.572 | | 254425 | 208968 |
| 4.604 | | 69566 | 47244 |
| 4.634 | | 481067 | 430116 |
| 4.682 | | 28789 | 20468 |
| 4.698 | | 8152 | 3205 |
| 4.717 | | 64832 | 47828 |
| 4.759 | | 156528 | 158551 |
| 4.805 | | 26623 | 23388 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.846 | | 267649 | 255362 |
| 4.905 | | 39528 | 52713 |
| 4.958 | | 167642 | 254662 |
| 5.005 | | 3808 | 2705 |
| 5.045 | | 164967 | 176036 |
| 5.09 | | 21037 | 16243 |
| 5.114 | | 8677 | 5261 |
| 5.162 | | 268166 | 243158 |
| 5.183 | | 9767 | 5939 |
| 5.229 | | 13545 | 10230 |
| 5.273 | | 18174 | 20063 |
| 5.343 | | 2044 | 9899 |
| 5.368 | | 80902 | 66580 |
| 5.39 | | 21030 | 13825 |
| 5.429 | | 1796 | 1459 |
| 5.447 | | 11046 | 8379 |
| 5.488 | | 11853 | 11923 |
| 5.531 | | 1850 | 1927 |
| 5.568 | | 58659 | 57841 |
| 5.594 | | 8984 | 5332 |
| 5.628 | | 53697 | 49967 |
| 5.729 | | 2606 | 1033 |
| 5.833 | | 55980 | 54699 |
| 5.861 | | 7905 | 7776 |
| 5.961 | | 3603 | 7024 |
| 5.974 | | 2025 | 641 |
| 6.022 | | 6502 | 5158 |
| 6.084 | | 4028 | 3702 |
| 6.258 | | 6896 | 17822 |
| 6.411 | | 1007 | 628 |
| 6.455 | | 5325 | 5127 |
| 6.483 | | 1233 | 311 |
| 6.499 | | 1984 | 953 |
| 6.55 | | 1570 | 723 |
| 6.605 | DCB | 464784 | 482847 |
| 6.745 | | 1373 | 501 |
| 6.806 | | 1414 | 584 |
| 6.892 | | 1247 | 356 |
| 6.961 | | 1967 | 789 |
| 7.07 | | 1343 | 519 |
| 7.085 | | 1788 | 538 |
| 7.278 | | 1518 | 346 |
| 7.432 | | 2022 | 682 |
| 7.539 | | 1251 | 450 |
| 7.587 | | 1344 | 320 |
| 7.627 | | 1202 | 913 |
| 7.665 | | 1206 | 690 |
| 7.728 | | 1471 | 937 |
| 7.797 | | 1406 | 855 |
| 7.847 | | 1264 | 385 |
| 7.91 | | 1144 | 406 |
| 7.974 | | 1396 | 746 |
| 8.049 | | 1161 | 395 |
| 8.16 | | 1203 | 769 |
| 8.264 | | 1752 | 414 |
| 8.46 | | 1755 | 954 |
| 8.574 | | 4205 | 8060 |

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.559 | | 2516 | 1490 |
| 1.724 | | 3903 | 1966 |
| 1.752 | | 6141 | 15124 |
| 1.832 | | 6029 | 22315 |
| 1.899 | | 50516 | 33862 |
| 1.969 | | 8264 | 15556 |
| 2.028 | | 3592 | 4866 |
| 2.134 | | 8070 | 5531 |
| 2.16 | | 5851 | 10851 |
| 2.295 | | 2718 | 2629 |
| 2.386 | | 4325 | 7077 |
| 2.509 | | 7215 | 13943 |
| 2.525 | | 53059 | 47899 |
| 2.591 | TCX | 883339 | 564569 |
| 2.809 | | 17440 | 18520 |
| 2.876 | | 4254 | 2896 |
| 2.926 | | 2558 | 1530 |
| 3.084 | | 15554 | 23816 |
| 3.164 | | 3446 | 2245 |
| 3.206 | | 7173 | 4616 |
| 3.245 | | 3368 | 2134 |
| 3.269 | | 4331 | 1874 |
| 3.29 | | 1848 | 684 |
| 3.305 | | 12444 | 10241 |
| 3.353 | | 20125 | 24322 |
| 3.384 | | 3538 | 1661 |
| 3.398 | | 8991 | 6282 |
| 3.431 | | 2973 | 1932 |
| 3.471 | | 9141 | 6403 |
| 3.506 | | 246311 | 150181 |
| 3.529 | | 75862 | 41584 |
| 3.613 | | 978 | 4530 |
| 3.632 | | 152652 | 94551 |
| 3.655 | | 9747 | 5160 |
| 3.675 | | 13217 | 8695 |
| 3.704 | | 5261 | 2063 |
| 3.72 | | 54359 | 33542 |
| 3.761 | | 13223 | 9176 |
| 3.802 | | 10632 | 8280 |
| 3.832 | | 42653 | 23474 |
| 3.854 | | 530719 | 352945 |
| 3.878 | | 53453 | 28877 |
| 3.897 | | 56300 | 31084 |
| 3.917 | | 111950 | 70609 |
| 3.952 | | 476224 | 330901 |
| 3.984 | | 175884 | 104197 |
| 4 | | 103386 | 53825 |
| 4.061 | | 38077 | 36154 |
| 4.095 | | 169223 | 126482 |
| 4.152 | | 362686 | 273586 |
| 4.185 | | 103439 | 79837 |
| 4.212 | | 636108 | 480665 |
| 4.25 | | 50622 | 46476 |
| 4.303 | | 328807 | 269297 |

| | | | |
|---|---|---|---|
| 4.34 | | 45863 | 34262 |
| 4.373 | | 350506 | 260340 |
| 4.396 | | 55863 | 38489 |
| 4.44 | | 262878 | 203104 |
| 4.537 | | 228277 | 240900 |
| 4.59 | | 247372 | 213616 |
| 4.63 | | 77217 | 66362 |
| 4.668 | | 453698 | 458911 |
| 4.714 | | 30893 | 19635 |
| 4.739 | | 16848 | 11518 |
| 4.796 | | 4767 | 5118 |
| 4.838 | | 1643 | 879 |
| 4.856 | | 21034 | 15668 |
| 4.888 | | 25233 | 17020 |
| 4.911 | | 146314 | 120032 |
| 4.963 | | 21533 | 16831 |
| 4.997 | | 15832 | 12999 |
| 5.028 | | 9968 | 7340 |
| 5.06 | | 65634 | 46598 |
| 5.083 | | 55814 | 49801 |
| 5.193 | | 6170 | 10147 |
| 5.298 | | 2422 | 1873 |
| 5.341 | | 64788 | 71712 |
| 5.499 | | 7154 | 6903 |
| 5.544 | | 2920 | 1997 |
| 5.568 | | 4574 | 3992 |
| 5.618 | | 2815 | 2232 |
| 5.725 | | 4498 | 5231 |
| 5.926 | | 8666 | 8708 |
| 6.085 | DCB | 870466 | 821834 |
| 6.57 | | 1974 | 1924 |
| 7.97 | | 1631 | 3313 |
| 8.163 | | 10345 | 17390 |

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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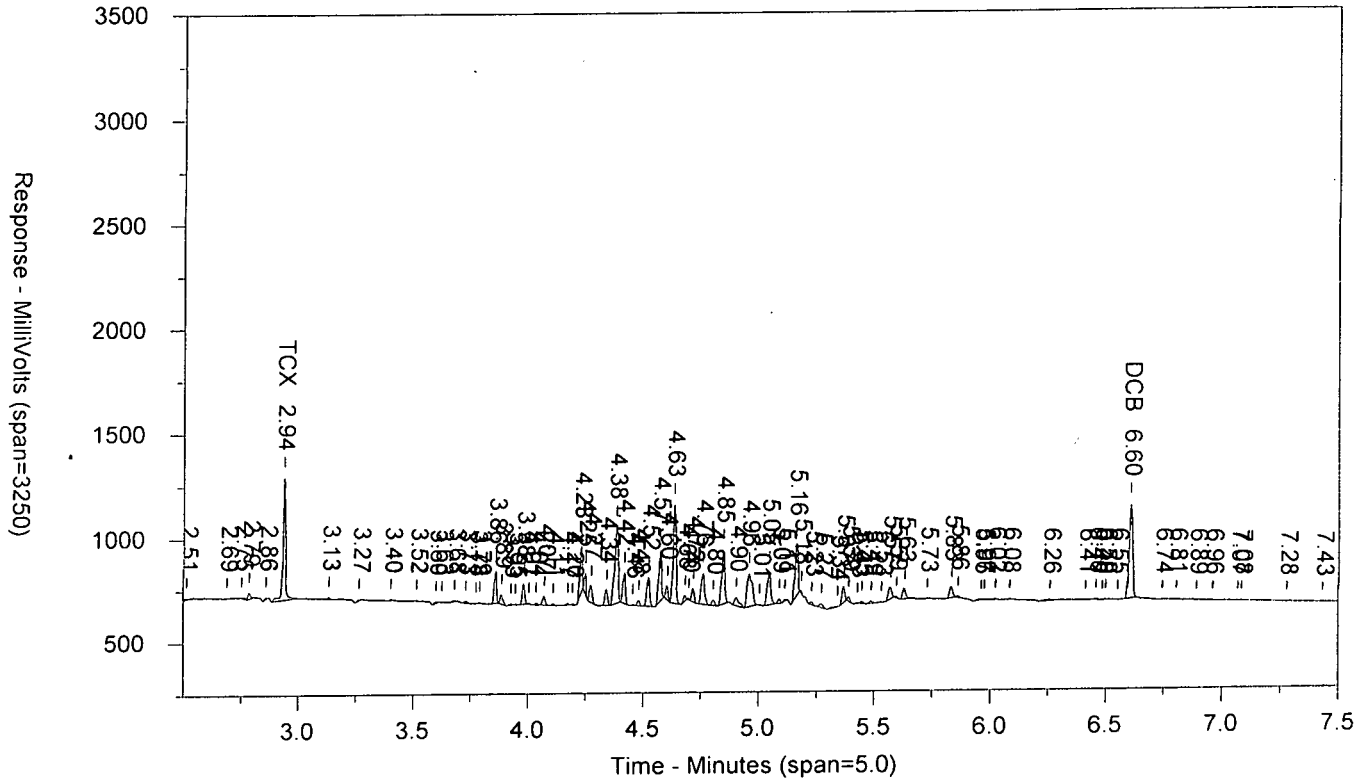


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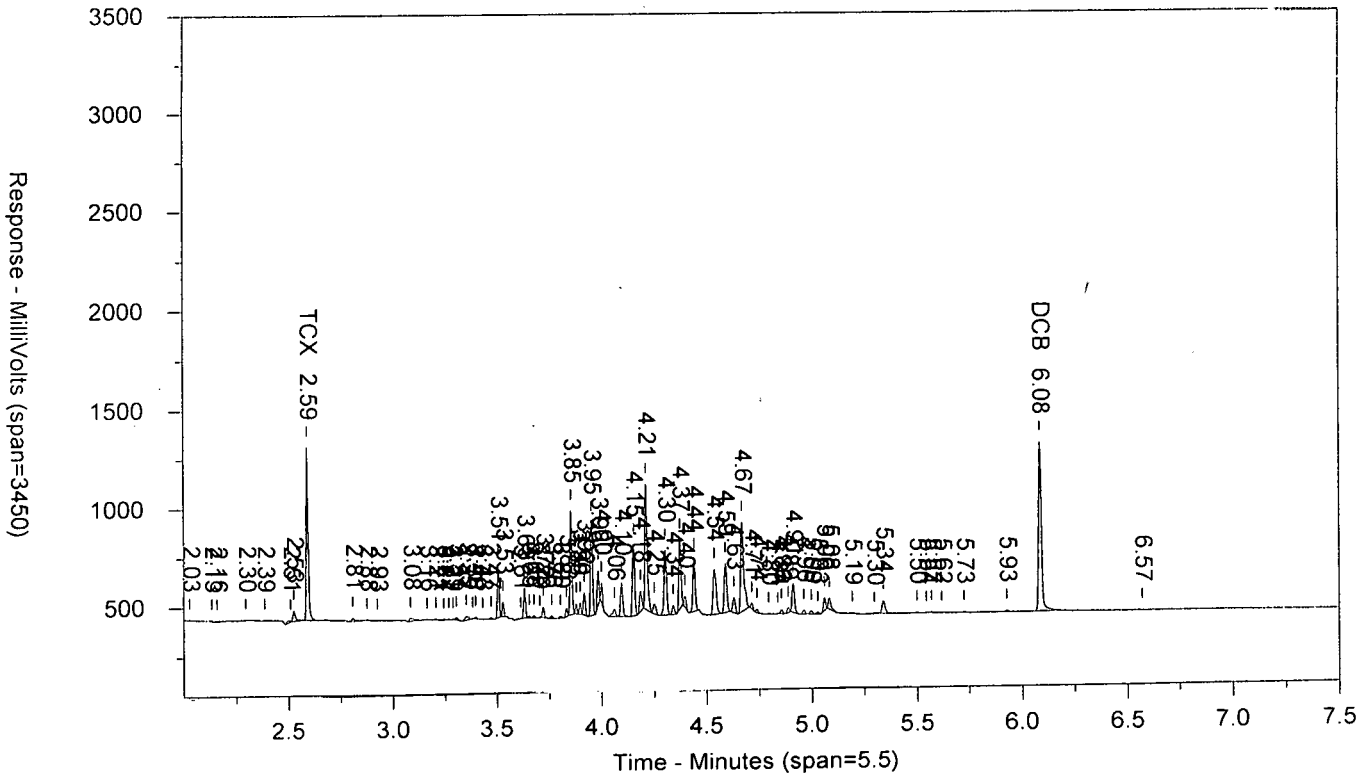

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 588677 | 2.148 | TCX | 2.591 | 883339 | 2.131 | TCX |
| 6.605 | 464784 | 2.303 | DCB | 6.085 | 870466 | 2.299 | DCB |

Files:
Area File: 07PCBS17284001.0019.RAW
Area File: 07PCBS17284001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:37:22 PM
File Reported On: 10/11/2017 at 10:37:35 PM

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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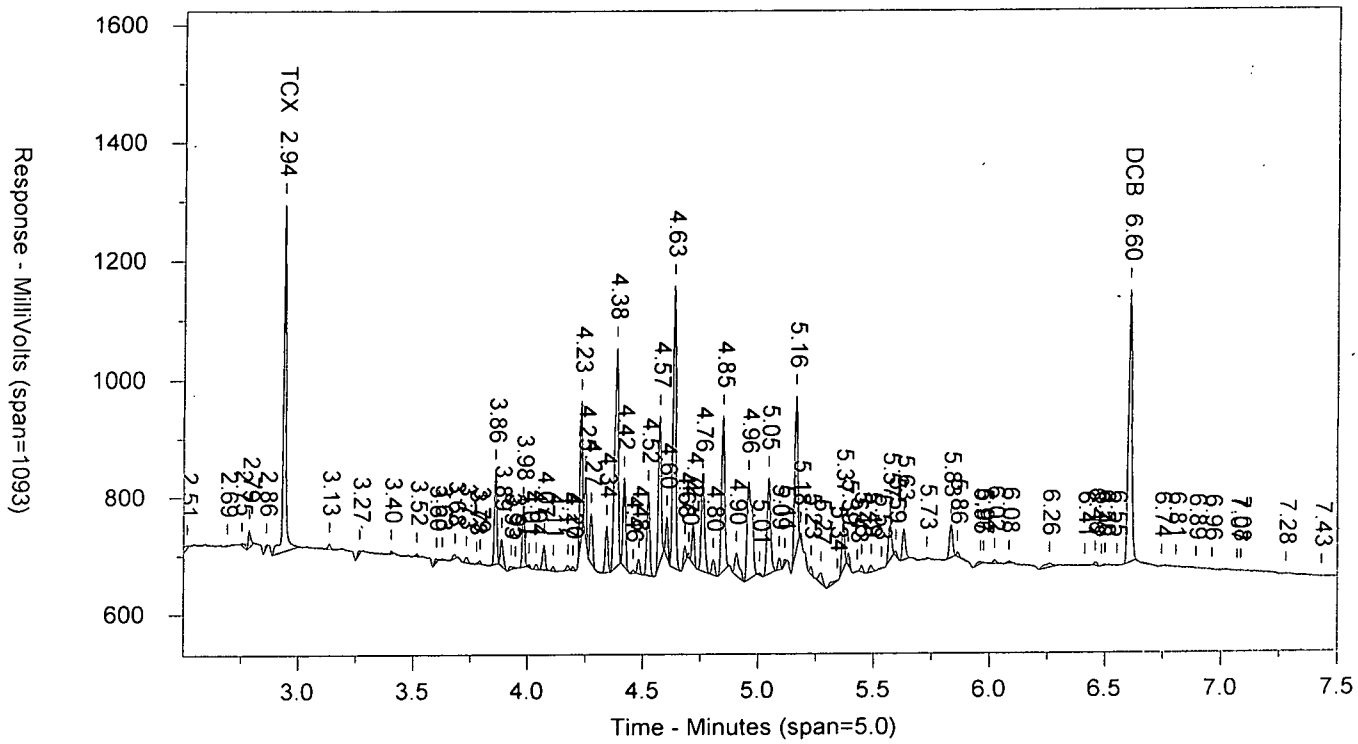


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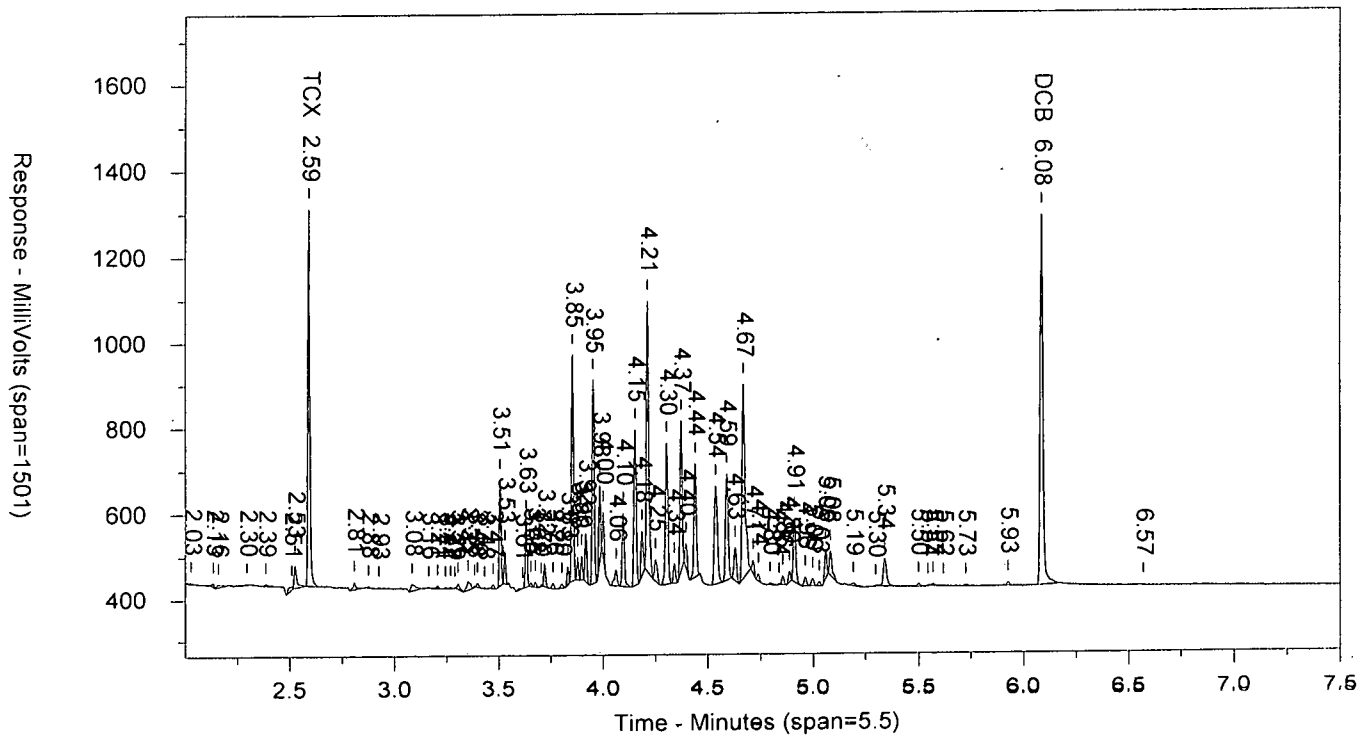

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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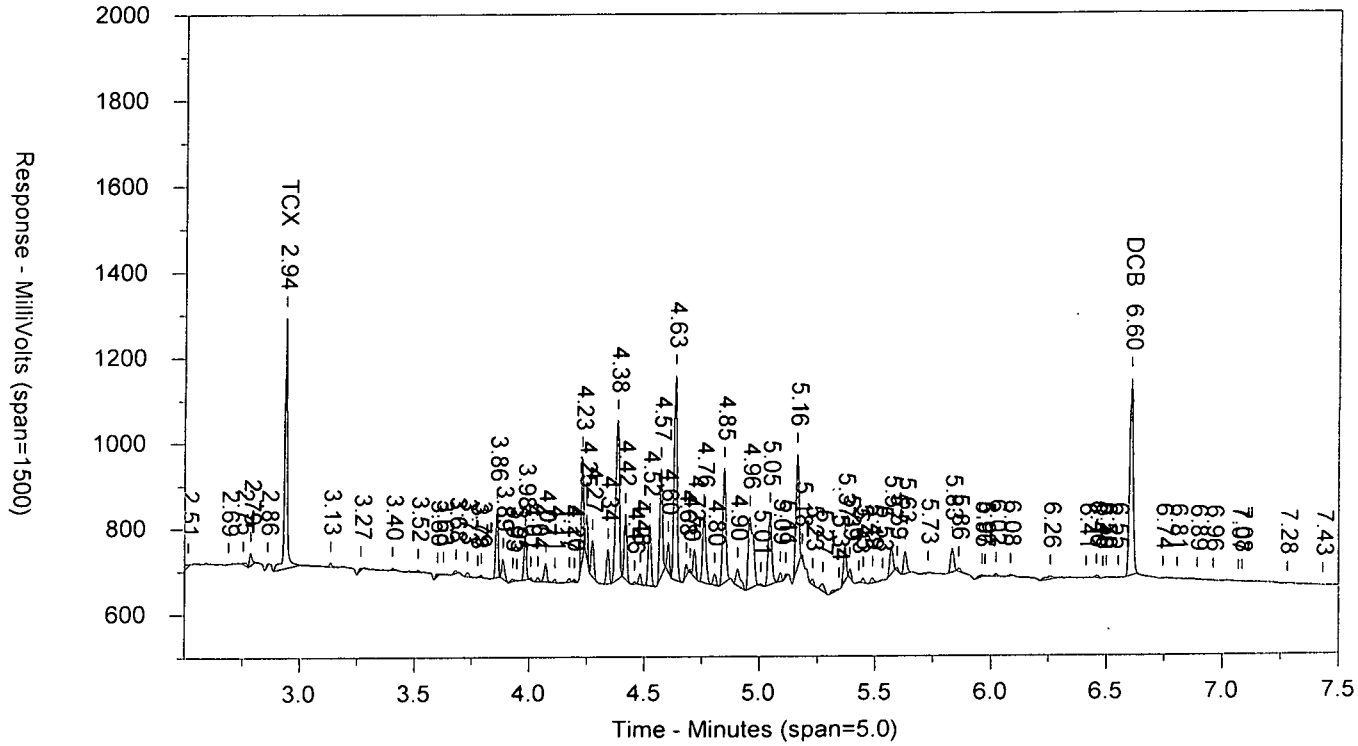


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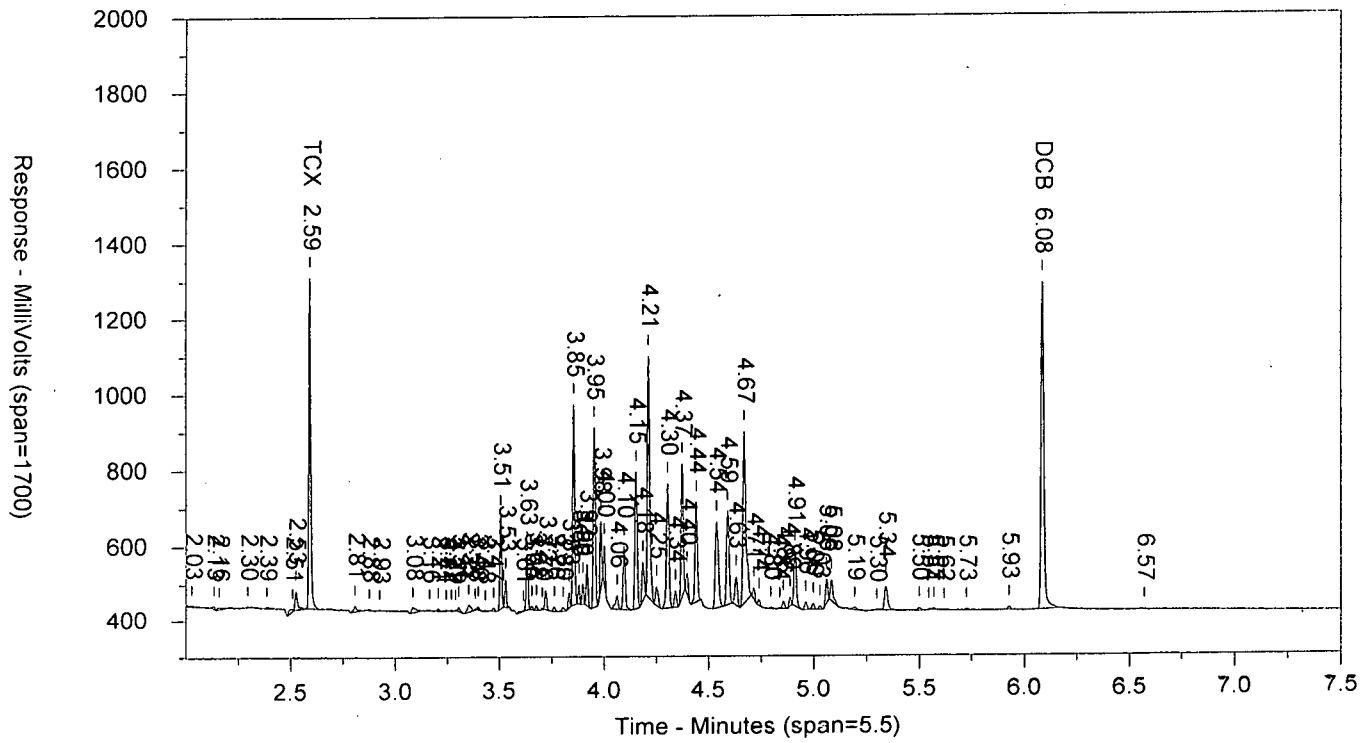


LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.576 | | 25512 | 25909 |
| 1.637 | | 6458 | 44706 |
| 1.735 | | 2541 | 1068 |
| 1.979 | | 1781 | 2094 |
| 2.057 | | 17639 | 40385 |
| 2.092 | | 10694 | 14524 |
| 2.169 | | 3002 | 3463 |
| 2.232 | | 5287 | 4163 |
| 2.311 | | 1836 | 874 |
| 2.333 | | 33379 | 23862 |
| 2.496 | | 7318 | 6664 |
| 2.593 | | 3772 | 2339 |
| 2.687 | | 2560 | 2407 |
| 2.786 | | 40509 | 36912 |
| 2.866 | | 12375 | 18302 |
| 2.902 | | 4477 | 5323 |
| 2.937 | TCX | 1101273 | 752035 |
| 3.134 | | 16826 | 12114 |
| 3.187 | | 5676 | 5129 |
| 3.265 | | 6892 | 6305 |
| 3.404 | | 8847 | 5270 |
| 3.517 | | 8220 | 5571 |
| 3.572 | | 9555 | 7302 |
| 3.596 | | 6788 | 3466 |
| 3.683 | | 7814 | 4856 |
| 3.695 | | 6215 | 4416 |
| 3.731 | | 16083 | 13111 |
| 3.789 | | 11262 | 10520 |
| 3.831 | | 1943 | 520 |
| 3.858 | | 292075 | 214719 |
| 3.885 | | 82027 | 65754 |
| 3.926 | | 2014 | 1162 |
| 3.94 | | 816 | 121 |
| 3.981 | | 186967 | 139542 |
| 4.006 | | 11218 | 5983 |
| 4.036 | | 17137 | 12058 |
| 4.07 | | 85265 | 68359 |
| 4.11 | | 14561 | 11279 |
| 4.142 | | 3139 | 1471 |
| 4.173 | | 9892 | 6579 |
| 4.194 | | 13040 | 7841 |
| 4.23 | | 431573 | 311154 |
| 4.248 | | 195750 | 107866 |
| 4.274 | | 146462 | 124069 |
| 4.341 | | 150078 | 121326 |
| 4.384 | | 689342 | 753819 |
| 4.418 | | 288526 | 234099 |
| 4.458 | | 10783 | 6512 |
| 4.48 | | 50602 | 39262 |
| 4.522 | | 265968 | 235024 |
| 4.572 | | 459900 | 398230 |
| 4.603 | | 114391 | 78772 |
| 4.633 | | 900126 | 804289 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.683 | | 50847 | 35061 |
| 4.698 | | 18700 | 7595 |
| 4.717 | | 121361 | 90110 |
| 4.759 | | 292001 | 298772 |
| 4.805 | | 55395 | 48453 |
| 4.846 | | 519147 | 534260 |
| 4.905 | | 68364 | 82509 |
| 4.957 | | 163843 | 128250 |
| 4.97 | | 41641 | 27464 |
| 5.003 | | 4642 | 3358 |
| 5.044 | | 310877 | 339561 |
| 5.091 | | 44087 | 32387 |
| 5.115 | | 13790 | 10133 |
| 5.162 | | 515627 | 465027 |
| 5.183 | | 26159 | 14042 |
| 5.201 | | 19378 | 11507 |
| 5.228 | | 23914 | 18244 |
| 5.27 | | 28985 | 31585 |
| 5.325 | | 2143 | 3588 |
| 5.368 | | 152423 | 129686 |
| 5.391 | | 37452 | 27125 |
| 5.422 | | 1950 | 796 |
| 5.446 | | 23513 | 19189 |
| 5.487 | | 22446 | 22591 |
| 5.528 | | 3708 | 3058 |
| 5.568 | | 117085 | 114437 |
| 5.592 | | 13008 | 9032 |
| 5.627 | | 108727 | 103514 |
| 5.767 | | 1556 | 398 |
| 5.833 | | 107932 | 100402 |
| 5.862 | | 13548 | 11119 |
| 5.953 | | 4677 | 7369 |
| 6.023 | | 11611 | 10682 |
| 6.086 | | 11711 | 19083 |
| 6.259 | | 7393 | 12759 |
| 6.326 | | 1895 | 457 |
| 6.359 | | 1833 | 379 |
| 6.457 | | 11509 | 11676 |
| 6.603 | DCB | 833921 | 889485 |
| 6.753 | | 1812 | 725 |
| 6.785 | | 1951 | 678 |
| 6.868 | | 1909 | 989 |
| 6.92 | | 1242 | 308 |
| 7.008 | | 1695 | 1044 |
| 7.219 | | 2746 | 849 |
| 7.512 | | 1518 | 457 |
| 7.575 | | 1390 | 870 |
| 7.648 | | 1593 | 1070 |
| 7.676 | | 1522 | 1054 |
| 7.715 | | 1710 | 1502 |
| 7.723 | | 1435 | 410 |
| 7.76 | | 1490 | 595 |
| 7.826 | | 1838 | 458 |
| 7.86 | | 1612 | 487 |
| 7.93 | | 1479 | 618 |
| 8 | | 1326 | 858 |
| 8.018 | | 1627 | 808 |
| 8.095 | | 1399 | 530 |
| 8.196 | | 1238 | 314 |
| 8.295 | | 1661 | 501 |

LANCASTER LABORATORIES

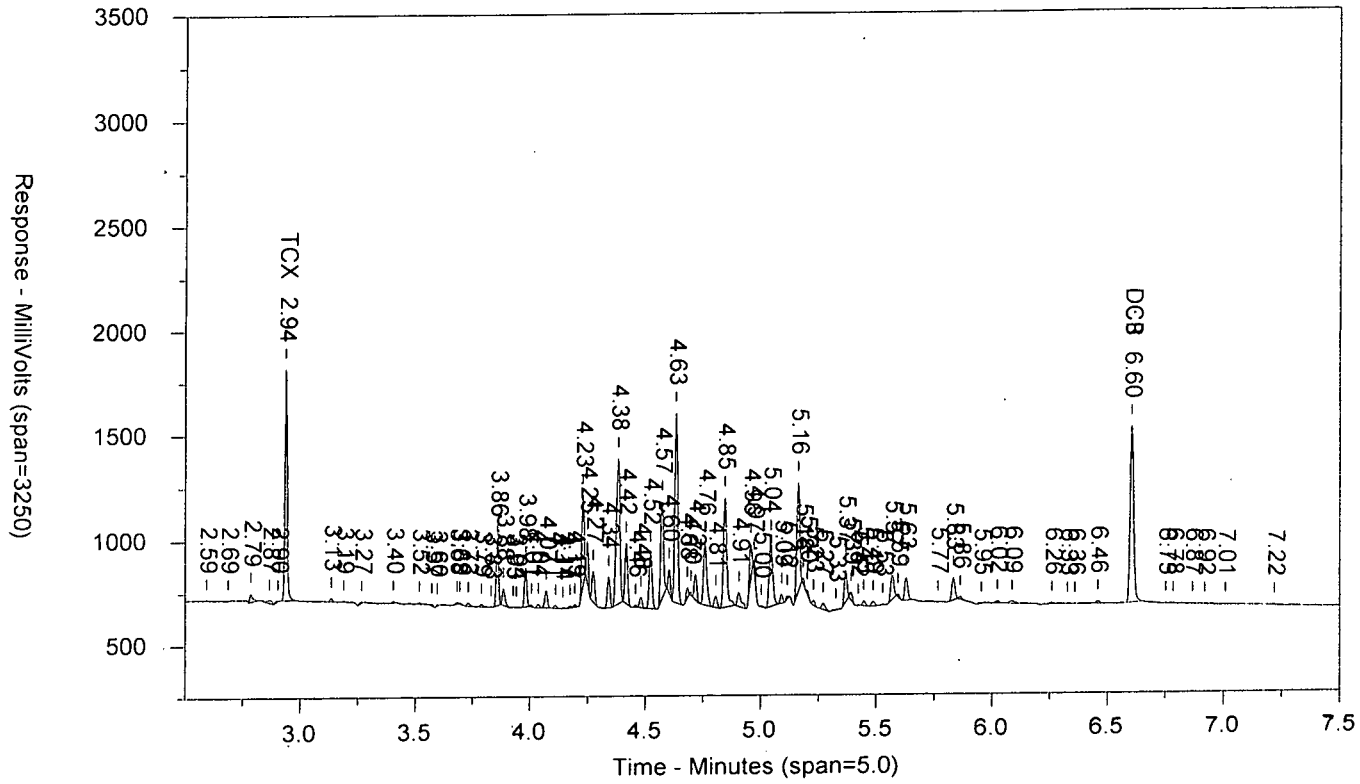
Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.697 | | 5153 | 11893 |
| 1.723 | | 5266 | 3010 |
| 1.753 | | 8721 | 18331 |
| 1.817 | | 4393 | 8224 |
| 1.841 | | 3516 | 2840 |
| 1.899 | | 57826 | 38032 |
| 1.97 | | 10329 | 21844 |
| 2.029 | | 6301 | 8449 |
| 2.134 | | 9403 | 8155 |
| 2.157 | | 4680 | 4497 |
| 2.296 | | 3043 | 2213 |
| 2.323 | | 3155 | 4178 |
| 2.388 | | 3481 | 3528 |
| 2.414 | | 2978 | 1720 |
| 2.508 | | 7233 | 9842 |
| 2.525 | | 64553 | 54181 |
| 2.591 | TCX | 1671505 | 1081878 |
| 2.778 | | 4860 | 2139 |
| 2.809 | | 28561 | 23864 |
| 2.876 | | 8582 | 9543 |
| 2.925 | | 5017 | 2656 |
| 2.967 | | 2100 | 1041 |
| 3.084 | | 22269 | 30546 |
| 3.163 | | 5568 | 4100 |
| 3.206 | | 11265 | 7874 |
| 3.244 | | 4896 | 3114 |
| 3.27 | | 8438 | 4502 |
| 3.289 | | 3205 | 1378 |
| 3.305 | | 9416 | 7951 |
| 3.353 | | 30514 | 35063 |
| 3.384 | | 7663 | 3448 |
| 3.398 | | 13260 | 8625 |
| 3.431 | | 3759 | 2355 |
| 3.472 | | 16597 | 11709 |
| 3.506 | | 464464 | 281795 |
| 3.529 | | 137201 | 78122 |
| 3.547 | | 13976 | 5994 |
| 3.632 | | 277986 | 178767 |
| 3.654 | | 19473 | 9725 |
| 3.675 | | 22461 | 12895 |
| 3.704 | | 7847 | 4164 |
| 3.721 | | 104107 | 64165 |
| 3.761 | | 24347 | 16466 |
| 3.802 | | 24445 | 18791 |
| 3.832 | | 84510 | 48430 |
| 3.854 | | 994835 | 659309 |
| 3.878 | | 99383 | 54016 |
| 3.897 | | 107218 | 58095 |
| 3.917 | | 195648 | 122882 |
| 3.952 | | 886733 | 622014 |
| 3.983 | | 335143 | 200804 |
| 4 | | 202782 | 104176 |
| 4.061 | | 70524 | 59510 |
| 4.095 | | 321644 | 244295 |

| | | | |
|---|---|---|---|
| 4.152 | | 681801 | 520723 |
| 4.184 | | 193507 | 149226 |
| 4.212 | | 1178173 | 913326 |
| 4.25 | | 92541 | 88698 |
| 4.303 | | 594887 | 503587 |
| 4.34 | | 87423 | 66522 |
| 4.372 | | 679533 | 503644 |
| 4.396 | | 114904 | 73145 |
| 4.44 | | 495882 | 376880 |
| 4.463 | | 18137 | 9263 |
| 4.536 | | 417524 | 449650 |
| 4.59 | | 495776 | 418025 |
| 4.63 | | 146620 | 123427 |
| 4.669 | | 862839 | 864188 |
| 4.714 | | 60562 | 37333 |
| 4.738 | | 31838 | 21205 |
| 4.796 | | 9667 | 10391 |
| 4.856 | | 44205 | 38744 |
| 4.889 | | 45187 | 30477 |
| 4.911 | | 285759 | 225022 |
| 4.962 | | 38618 | 31256 |
| 4.997 | | 30093 | 25148 |
| 5.028 | | 18085 | 14078 |
| 5.061 | | 119317 | 90162 |
| 5.083 | | 100311 | 90253 |
| 5.151 | | 3671 | 2667 |
| 5.192 | | 4178 | 4216 |
| 5.297 | | 4535 | 3590 |
| 5.341 | | 123624 | 134342 |
| 5.5 | | 13009 | 12317 |
| 5.548 | | 5155 | 3905 |
| 5.568 | | 9289 | 6849 |
| 5.616 | | 4553 | 4219 |
| 5.726 | | 7751 | 6560 |
| 5.927 | | 17063 | 16005 |
| 6.085 | DCB | 1543417 | 1474398 |
| 8.079 | | 2077 | 2170 |
| 8.164 | | 9974 | 18899 |

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0020.RAW

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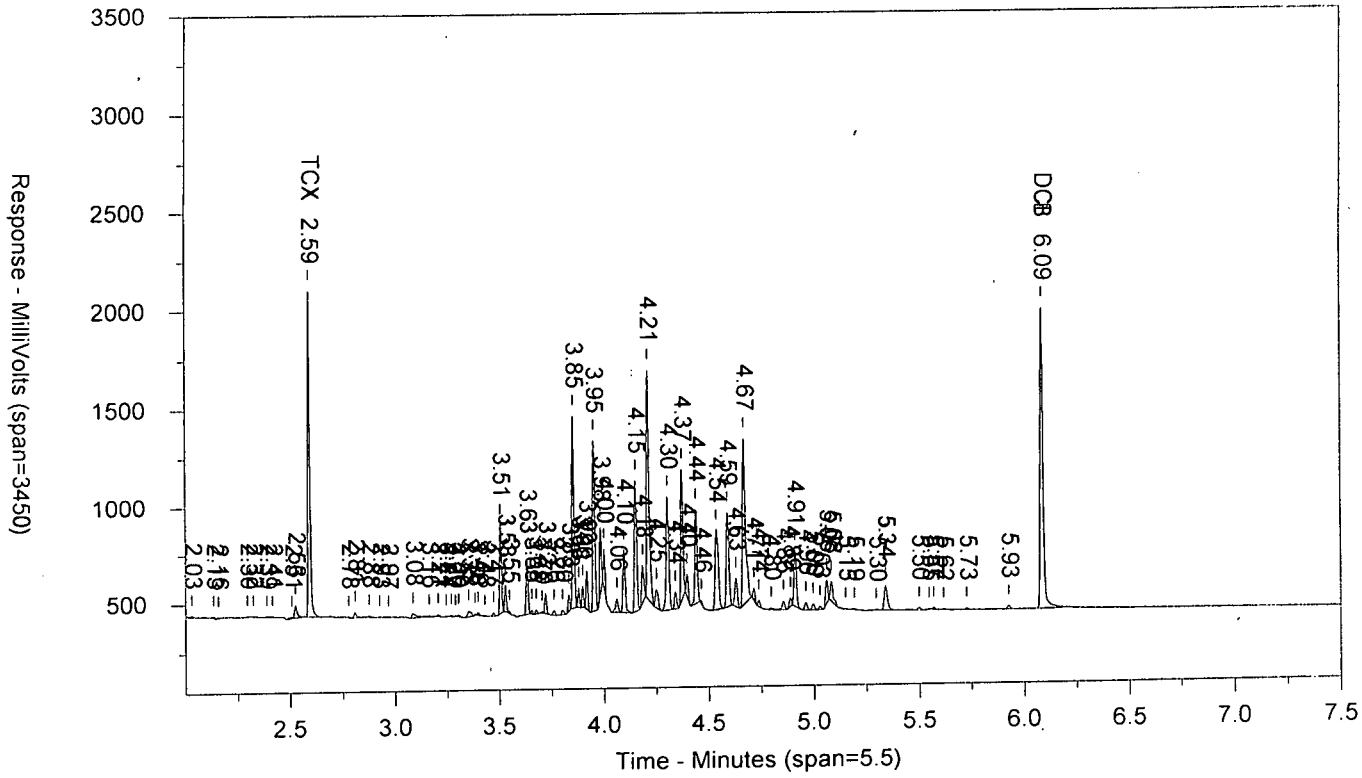

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 1101273 | 4.017 | TCX | 2.591 | 1671505 | 4.032 | TCX |
| 6.603 | 833921 | 4.133 | DCB | 6.085 | 1543417 | 4.077 | DCB |

Files:
Area File: 07PCBS17284001.0020.RAW
Area File: 07PCBS17284001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:48:53 PM
File Reported On: 10/11/2017 at 10:49:09 PM

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

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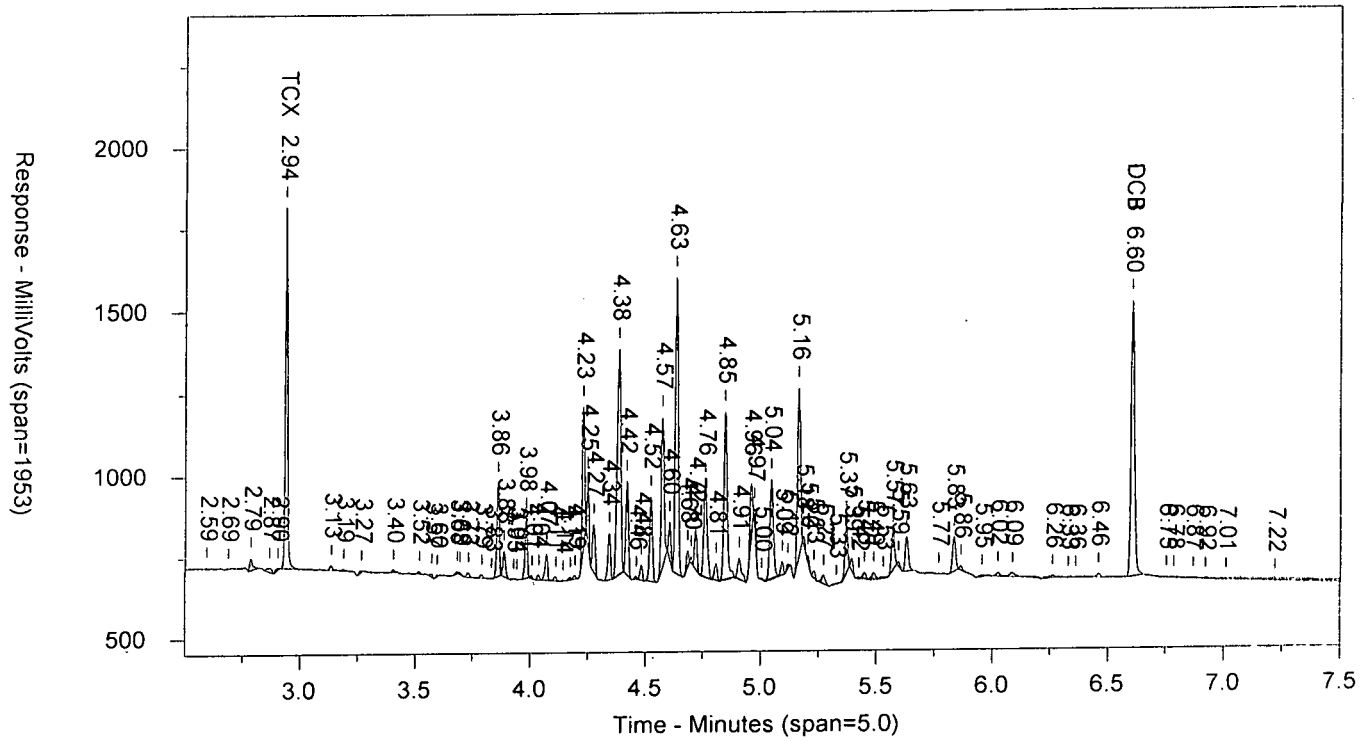


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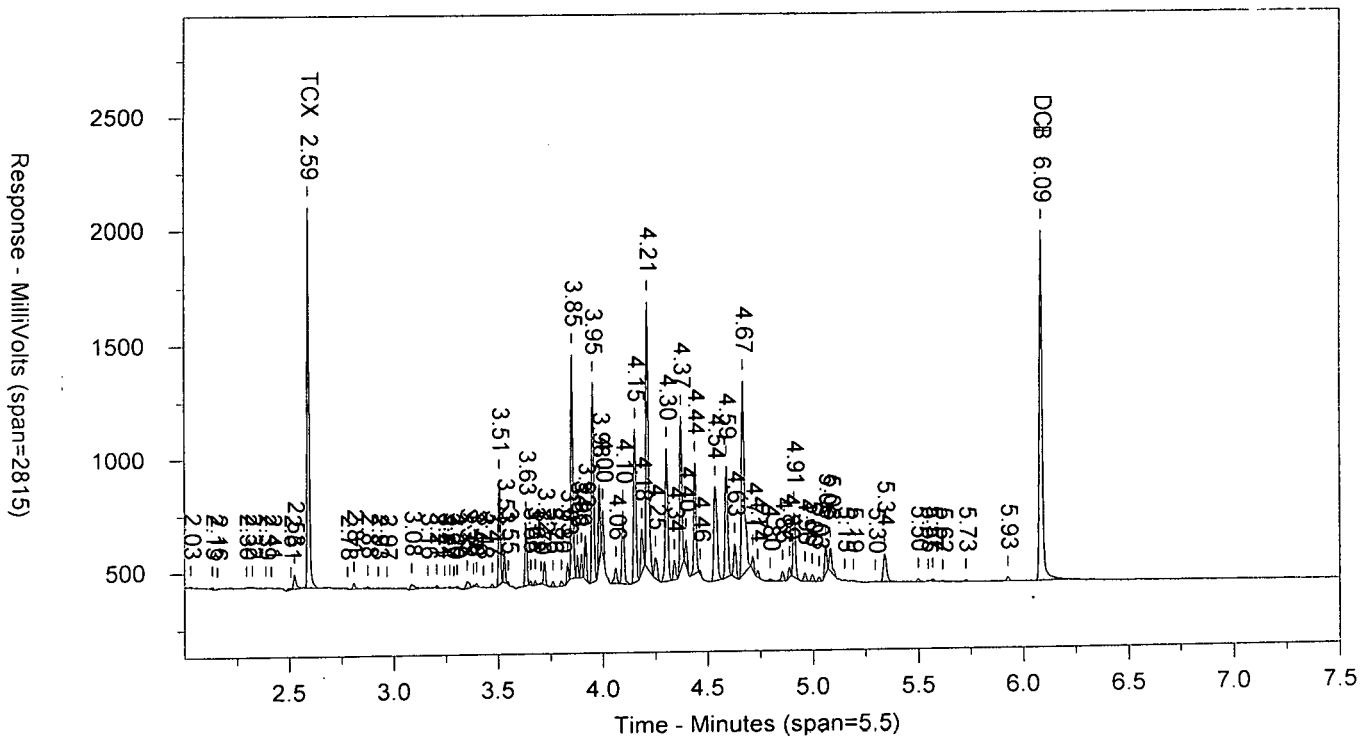

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

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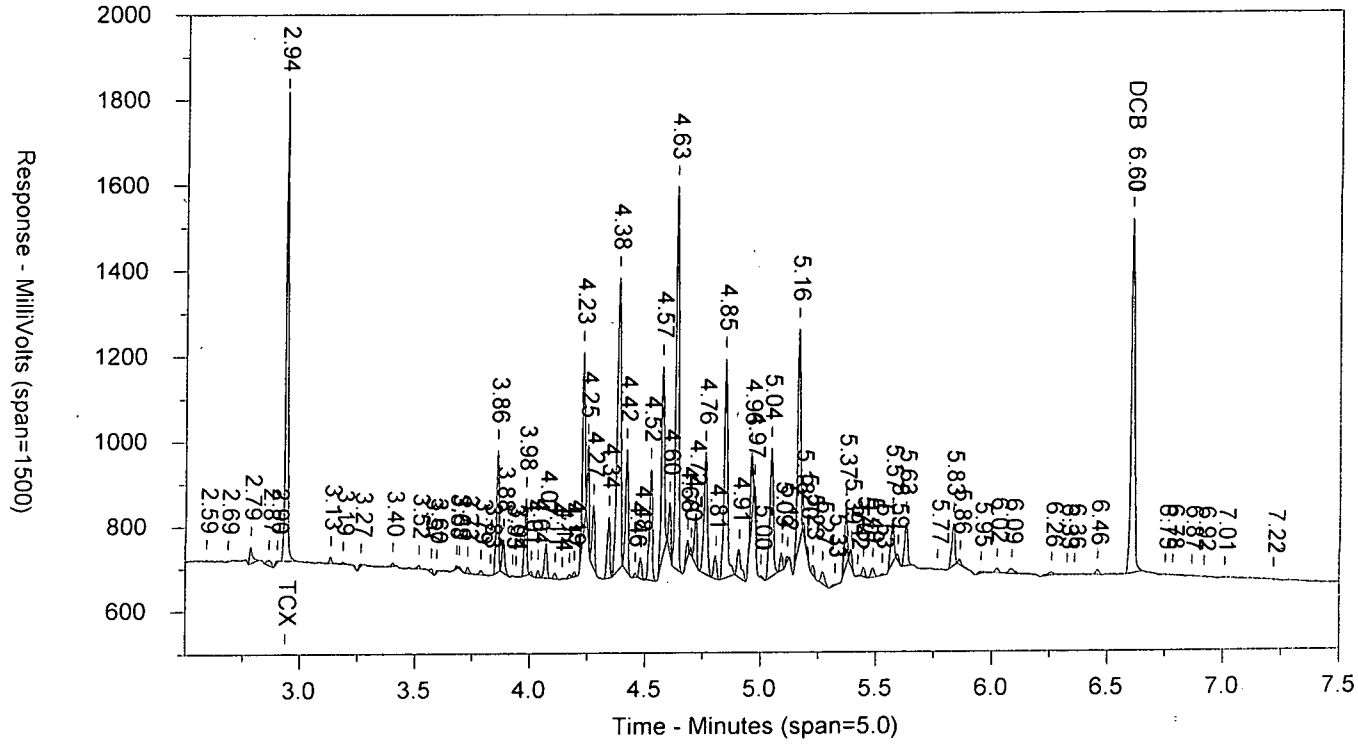


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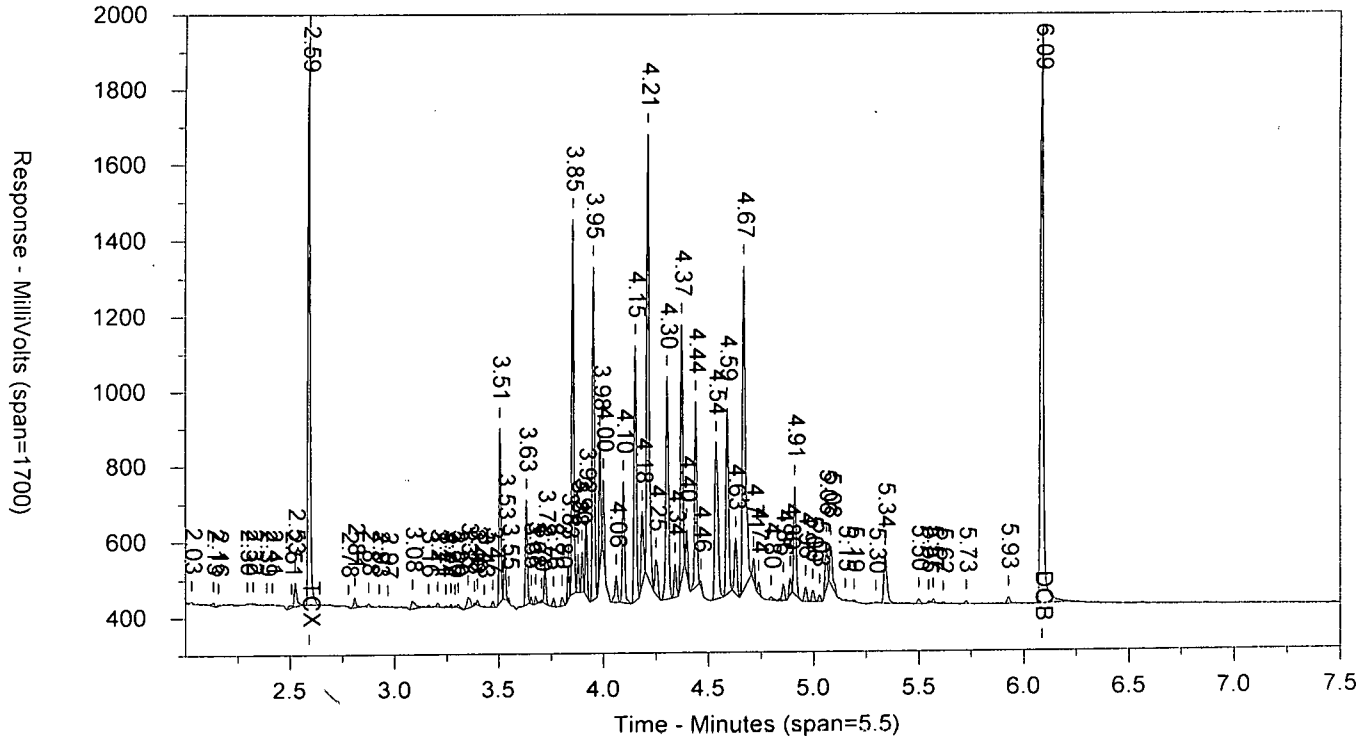

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.54 | | 12654 | 23139 |
| 1.576 | | 25546 | 25382 |
| 1.611 | | 7667 | 18786 |
| 1.724 | | 1437 | 422 |
| 1.909 | | 2632 | 1513 |
| 1.991 | | 2088 | 901 |
| 2.053 | | 18950 | 33356 |
| 2.091 | | 4612 | 4389 |
| 2.175 | | 2418 | 4061 |
| 2.234 | | 11657 | 6993 |
| 2.333 | | 32895 | 21854 |
| 2.494 | | 12974 | 12656 |
| 2.785 | | 13924 | 8570 |
| 2.869 | | 17788 | 26233 |
| 2.899 | | 9548 | 8163 |
| 2.937 | TCX | 2139404 | 1487167 |
| 3.083 | | 2199 | 705 |
| 3.134 | | 33891 | 22821 |
| 3.188 | | 8731 | 6047 |
| 3.265 | | 11835 | 10406 |
| 3.404 | | 15052 | 9103 |
| 3.517 | | 15513 | 11604 |
| 3.572 | | 14577 | 8854 |
| 3.596 | | 10038 | 7167 |
| 3.683 | | 18221 | 11567 |
| 3.695 | | 10614 | 8104 |
| 3.732 | | 23712 | 19476 |
| 3.773 | | 1591 | 345 |
| 3.79 | | 18430 | 14076 |
| 3.829 | | 3476 | 1888 |
| 3.859 | | 543183 | 386770 |
| 3.885 | | 150595 | 119306 |
| 3.925 | | 2364 | 1438 |
| 3.94 | | 2124 | 495 |
| 3.981 | | 341792 | 253177 |
| 4.006 | | 21244 | 12899 |
| 4.037 | | 31724 | 22858 |
| 4.071 | | 150426 | 124820 |
| 4.11 | | 29360 | 21758 |
| 4.145 | | 3808 | 1992 |
| 4.172 | | 7092 | 4278 |
| 4.194 | | 29155 | 20364 |
| 4.23 | | 772473 | 546299 |
| 4.248 | | 312780 | 182032 |
| 4.274 | | 267898 | 217177 |
| 4.341 | | 269474 | 222849 |
| 4.384 | | 1261422 | 1363480 |
| 4.418 | | 523066 | 423827 |
| 4.458 | | 21738 | 13764 |
| 4.481 | | 93656 | 72593 |
| 4.522 | | 468997 | 428117 |
| 4.572 | | 875504 | 730563 |
| 4.604 | | 213581 | 146084 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.633 | | 1639661 | 1480790 |
| 4.682 | | 90033 | 68140 |
| 4.697 | | 26238 | 10929 |
| 4.717 | | 219733 | 161960 |
| 4.758 | | 519898 | 530712 |
| 4.805 | | 108129 | 93899 |
| 4.846 | | 917351 | 894890 |
| 4.875 | | 13053 | 7117 |
| 4.905 | | 100886 | 81636 |
| 4.958 | | 277801 | 214691 |
| 4.969 | | 55766 | 45822 |
| 5.006 | | 12970 | 9244 |
| 5.044 | | 566758 | 626825 |
| 5.09 | | 77154 | 60148 |
| 5.116 | | 31283 | 22166 |
| 5.127 | | 23701 | 12874 |
| 5.162 | | 939989 | 848539 |
| 5.183 | | 60248 | 29426 |
| 5.201 | | 34175 | 22208 |
| 5.228 | | 41822 | 33162 |
| 5.271 | | 52766 | 57637 |
| 5.314 | | 4477 | 3836 |
| 5.368 | | 287658 | 243654 |
| 5.391 | | 76886 | 51973 |
| 5.447 | | 43755 | 38426 |
| 5.487 | | 42838 | 40396 |
| 5.527 | | 7249 | 6441 |
| 5.568 | | 213183 | 205569 |
| 5.591 | | 24296 | 16542 |
| 5.628 | | 207105 | 219677 |
| 5.716 | | 1360 | 351 |
| 5.833 | | 189183 | 180540 |
| 5.861 | | 24732 | 22448 |
| 5.948 | | 2965 | 2283 |
| 6.022 | | 22922 | 21250 |
| 6.086 | | 20883 | 33722 |
| 6.238 | | 2071 | 2308 |
| 6.258 | | 10028 | 10904 |
| 6.296 | | 1380 | 750 |
| 6.457 | | 19405 | 19160 |
| 6.498 | | 2104 | 1171 |
| 6.52 | | 1494 | 822 |
| 6.547 | | 1798 | 389 |
| 6.565 | | 2301 | 894 |
| 6.604 | DCB | 1646491 | 1742624 |
| 7.09 | | 1883 | 1098 |
| 7.253 | | 1417 | 684 |
| 7.484 | | 2103 | 390 |
| 7.596 | | 1862 | 1088 |
| 7.621 | | 1254 | 748 |
| 7.723 | | 1366 | 824 |
| 7.751 | | 1298 | 333 |
| 7.866 | | 1319 | 1169 |
| 8.021 | | 1292 | 297 |
| 8.29 | | 1726 | 712 |
| 8.366 | | 1123 | 843 |
| 8.481 | | 1812 | 1144 |
| 8.633 | | 1514 | 908 |

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.533 | | 2074 | 1961 |
| 1.699 | | 4881 | 9622 |
| 1.723 | | 4958 | 2676 |
| 1.772 | | 7963 | 19703 |
| 1.795 | | 4349 | 2872 |
| 1.9 | | 63994 | 48179 |
| 1.967 | | 6948 | 12281 |
| 2.03 | | 6456 | 4915 |
| 2.133 | | 7307 | 5262 |
| 2.158 | | 4374 | 4210 |
| 2.183 | | 3338 | 2408 |
| 2.207 | | 3022 | 4310 |
| 2.303 | | 4565 | 11216 |
| 2.386 | | 4025 | 3430 |
| 2.506 | | 7724 | 12869 |
| 2.525 | | 30877 | 23160 |
| 2.591 | TCX | 3417415 | 2182700 |
| 2.809 | | 54140 | 40125 |
| 2.876 | | 14641 | 11569 |
| 2.926 | | 10077 | 7261 |
| 3.085 | | 33466 | 39950 |
| 3.136 | | 2814 | 1352 |
| 3.162 | | 7095 | 6390 |
| 3.206 | | 23051 | 16614 |
| 3.244 | | 8657 | 6241 |
| 3.269 | | 16384 | 8623 |
| 3.29 | | 4163 | 2066 |
| 3.305 | | 19808 | 13609 |
| 3.354 | | 50067 | 53828 |
| 3.383 | | 14071 | 6477 |
| 3.398 | | 22141 | 14380 |
| 3.472 | | 29785 | 19613 |
| 3.506 | | 842660 | 508887 |
| 3.529 | | 251447 | 139440 |
| 3.547 | | 26376 | 11472 |
| 3.632 | | 516722 | 326570 |
| 3.655 | | 37493 | 19013 |
| 3.676 | | 49005 | 33007 |
| 3.704 | | 10838 | 5070 |
| 3.72 | | 190158 | 122689 |
| 3.762 | | 46354 | 31085 |
| 3.801 | | 37948 | 29753 |
| 3.832 | | 157361 | 88314 |
| 3.854 | | 1850025 | 1207977 |
| 3.879 | | 185321 | 100491 |
| 3.897 | | 194016 | 106618 |
| 3.917 | | 350364 | 220553 |
| 3.952 | | 1659248 | 1140340 |
| 3.984 | | 620003 | 364932 |
| 4 | | 354791 | 188177 |
| 4.061 | | 132603 | 103028 |
| 4.096 | | 583254 | 447356 |
| 4.152 | | 1326253 | 971933 |
| 4.185 | | 375704 | 282600 |

| | | | |
|---|---|---|---|
| 4.212 | | 2283454 | 1718099 |
| 4.25 | | 174625 | 163902 |
| 4.303 | | 1100649 | 928627 |
| 4.34 | | 165766 | 121863 |
| 4.373 | | 1237698 | 942898 |
| 4.396 | | 213016 | 134324 |
| 4.44 | | 902442 | 693943 |
| 4.463 | | 37417 | 19462 |
| 4.537 | | 743549 | 830612 |
| 4.59 | | 938587 | 803993 |
| 4.63 | | 269636 | 228135 |
| 4.669 | | 1644750 | 1602454 |
| 4.714 | | 109992 | 69810 |
| 4.739 | | 57755 | 38505 |
| 4.797 | | 19243 | 19807 |
| 4.856 | | 82026 | 73122 |
| 4.888 | | 81784 | 55309 |
| 4.912 | | 499405 | 411648 |
| 4.962 | | 70165 | 56340 |
| 4.997 | | 58259 | 46853 |
| 5.029 | | 34342 | 26483 |
| 5.06 | | 221615 | 167244 |
| 5.083 | | 191693 | 170191 |
| 5.151 | | 5816 | 5432 |
| 5.299 | | 9444 | 7418 |
| 5.341 | | 223708 | 259148 |
| 5.5 | | 22948 | 20801 |
| 5.548 | | 7876 | 5758 |
| 5.569 | | 17176 | 12529 |
| 5.618 | | 9170 | 8505 |
| 5.727 | | 12642 | 11683 |
| 5.889 | | 1267 | 1935 |
| 5.926 | | 35554 | 32800 |
| 6.085 | DCB | 2974489 | 2936328 |
| 6.539 | | 2720 | 5583 |
| 8.078 | | 1838 | 3378 |
| 8.161 | | 10640 | 22308 |

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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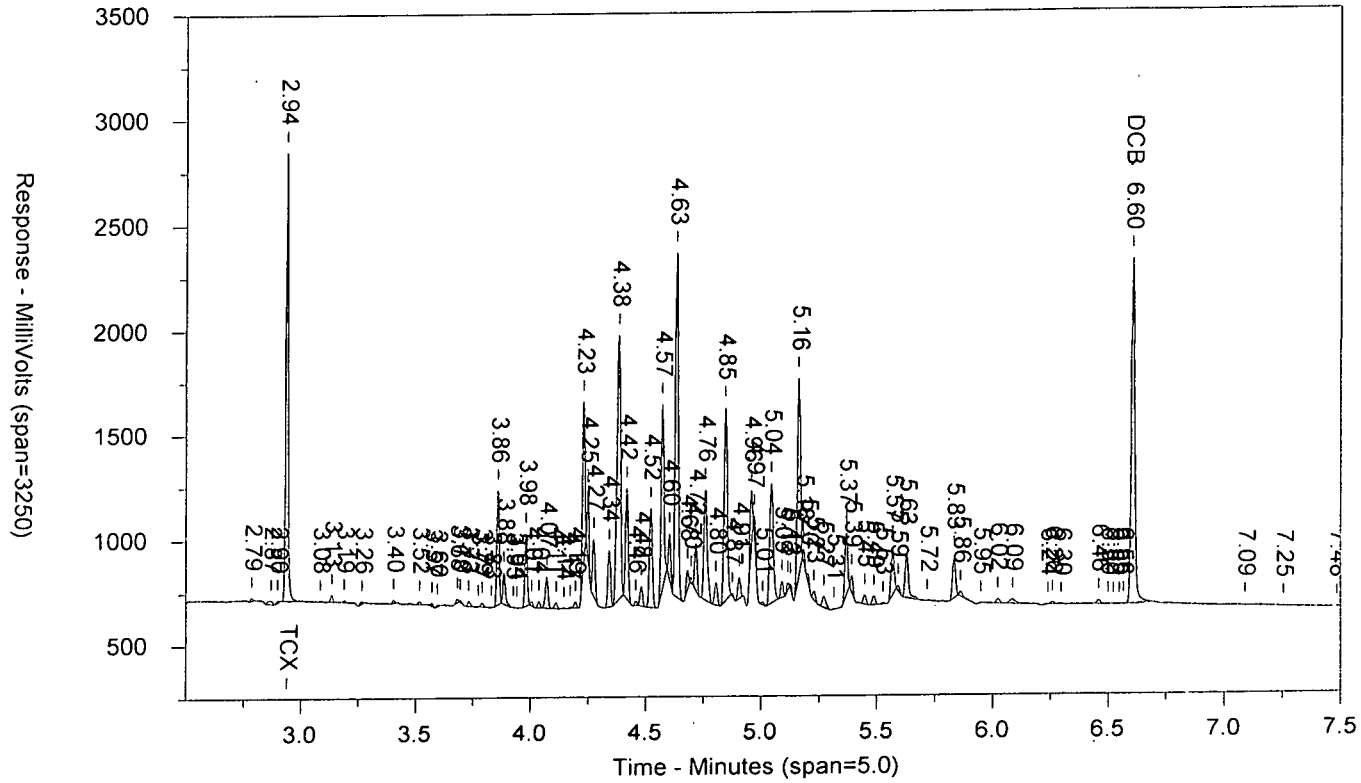


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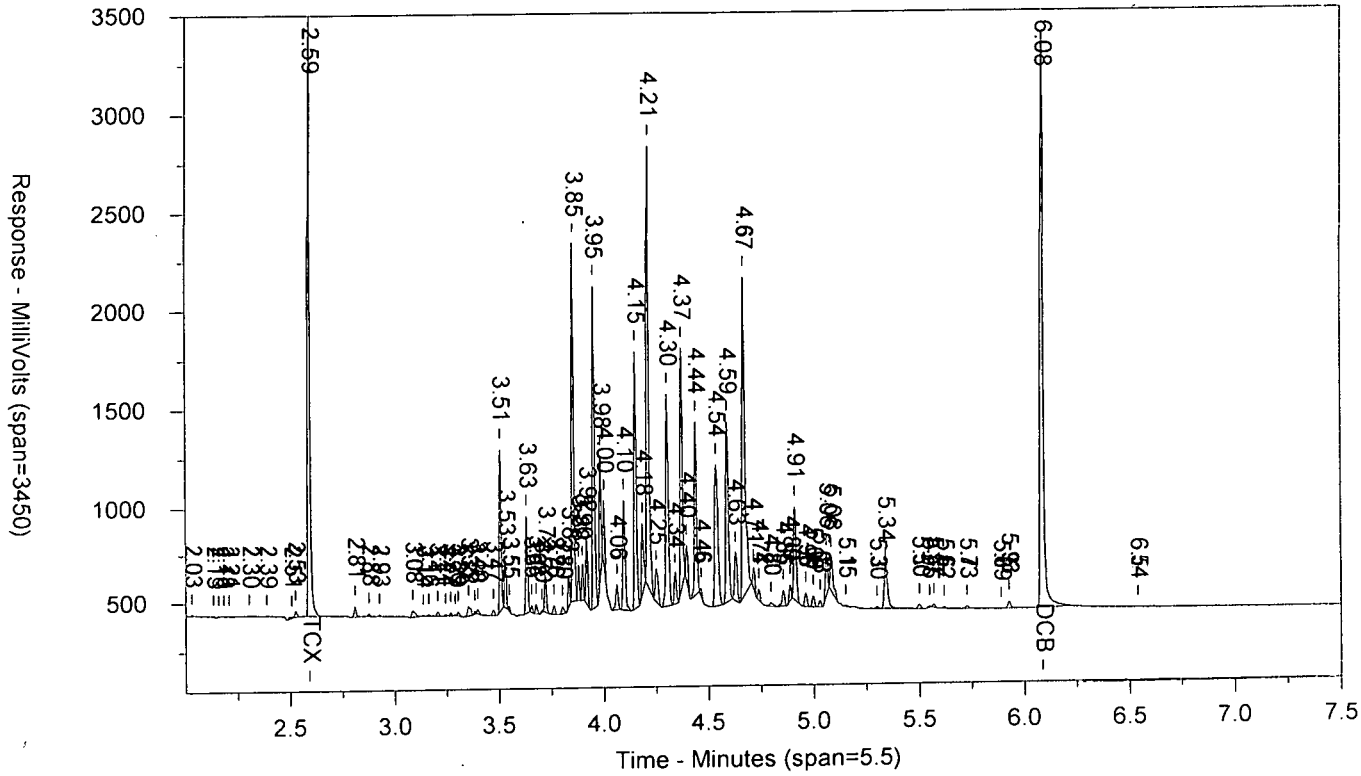

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 2139404 | 7.805 | TCX | 2.591 | 3417415 | 8.244 | TCX |
| 6.604 | 1646491 | 8.16 | DCB | 6.085 | 2974489 | 7.857 | DCB |

Files:
Area File: 07PCBS17284001.0021.RAW
Area File: 07PCBS17284001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:00:20 PM
File Reported On: 10/11/2017 at 11:00:29 PM

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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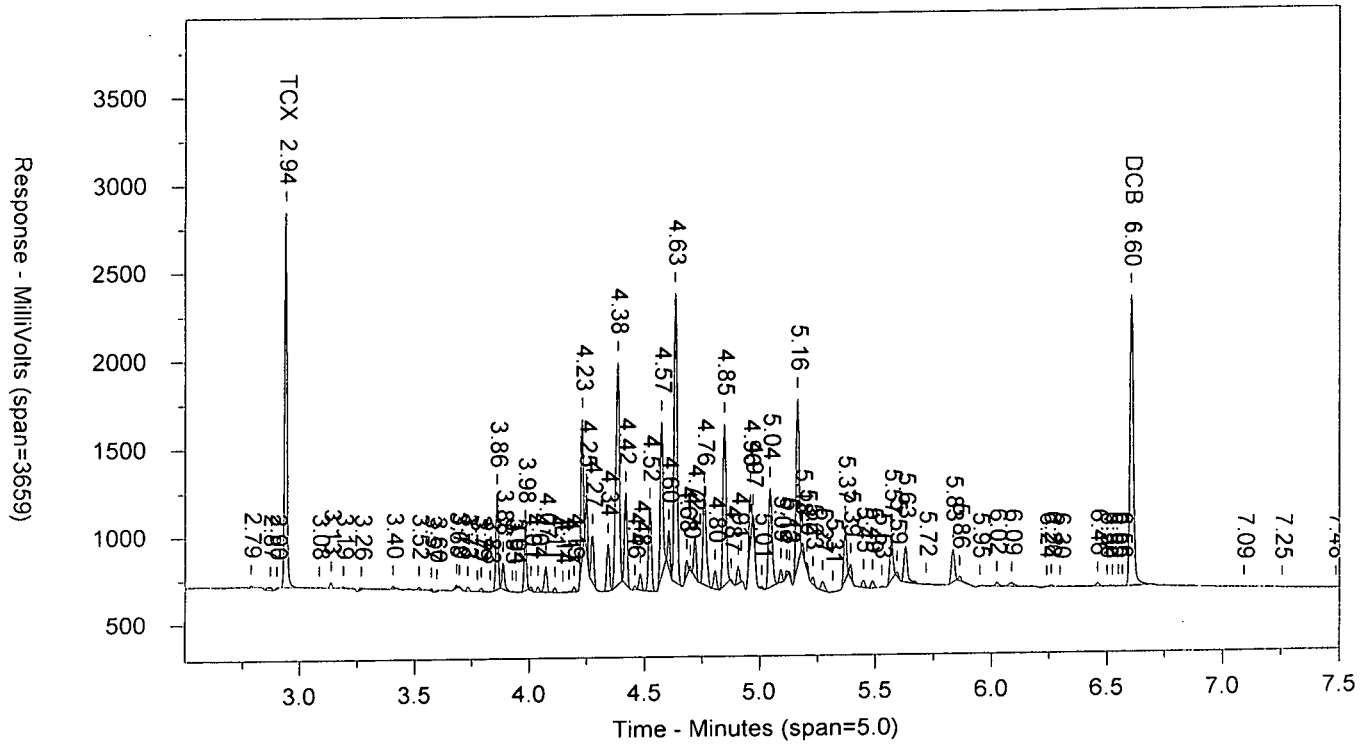


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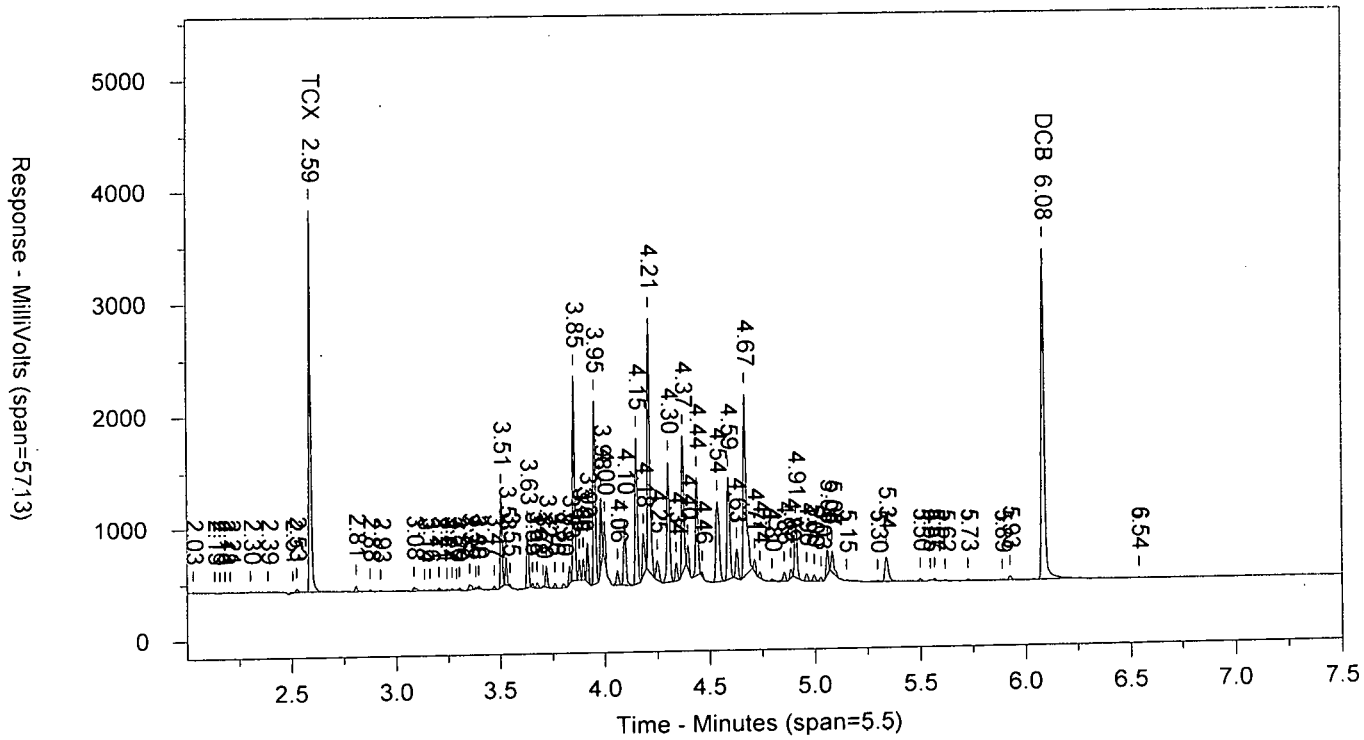

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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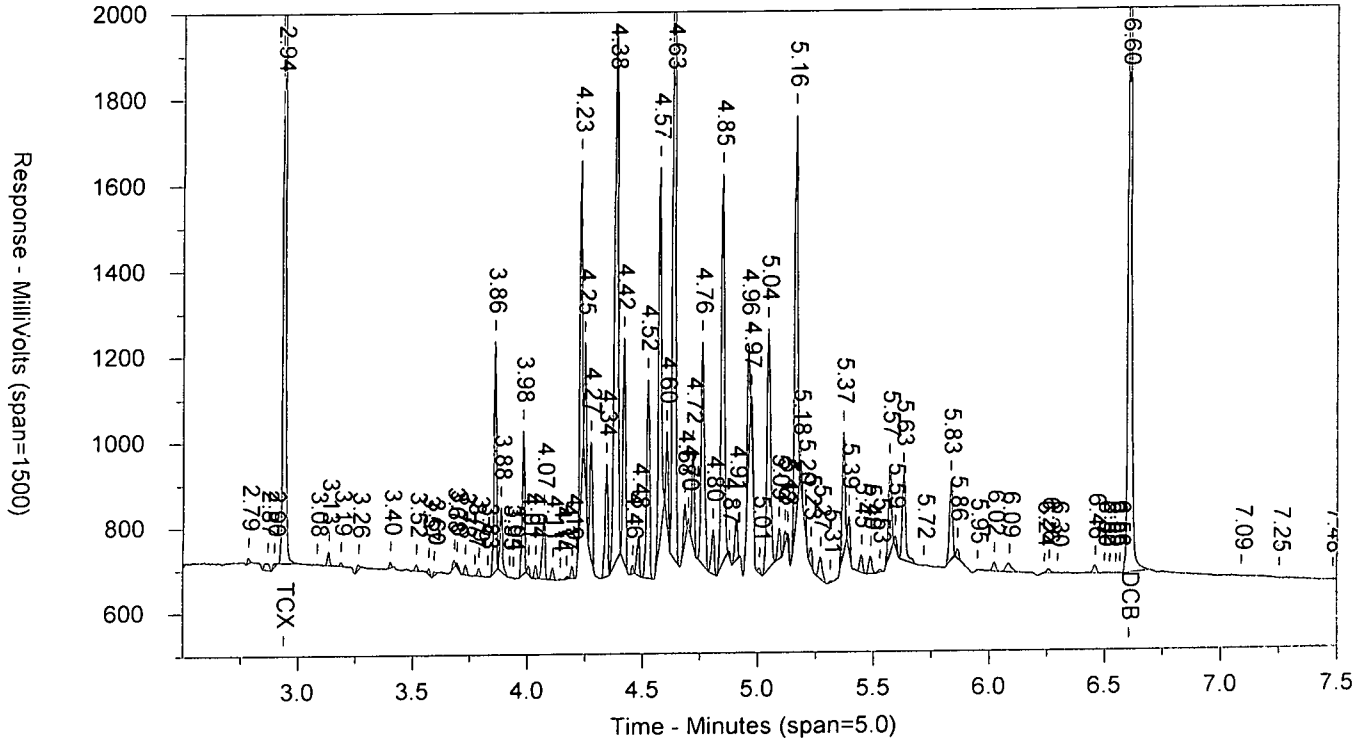


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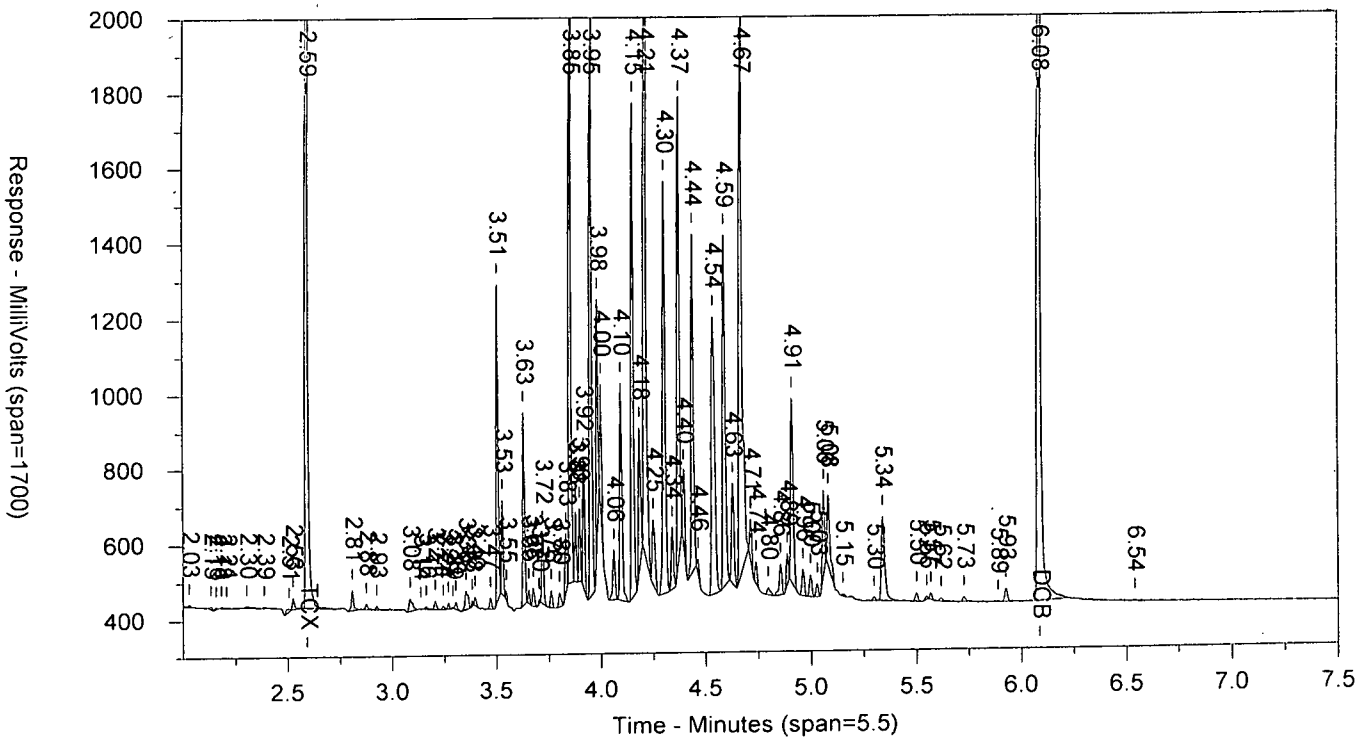


LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.577 | | 21428 | 20047 |
| 1.614 | | 5567 | 18784 |
| 1.73 | | 4114 | 2622 |
| 1.878 | | 2263 | 1622 |
| 1.918 | | 2595 | 1472 |
| 1.989 | | 1940 | 1012 |
| 2.06 | | 13837 | 33516 |
| 2.089 | | 13741 | 16283 |
| 2.234 | | 28009 | 19751 |
| 2.333 | | 31294 | 26233 |
| 2.429 | | 2942 | 2011 |
| 2.505 | | 12010 | 19893 |
| 2.544 | | 5017 | 4679 |
| 2.592 | | 3164 | 1553 |
| 2.785 | | 61570 | 57840 |
| 2.872 | | 12938 | 18923 |
| 2.899 | | 6064 | 5666 |
| 2.937 | TCX | 5234636 | 3549096 |
| 3.134 | | 76742 | 54631 |
| 3.189 | | 19465 | 13593 |
| 3.263 | | 20475 | 15255 |
| 3.403 | | 33471 | 19856 |
| 3.419 | | 9569 | 5294 |
| 3.456 | | 2498 | 1205 |
| 3.474 | | 3476 | 1514 |
| 3.517 | | 36932 | 26727 |
| 3.541 | | 2177 | 1262 |
| 3.572 | | 27382 | 17490 |
| 3.594 | | 16550 | 11633 |
| 3.625 | | 8204 | 4193 |
| 3.682 | | 36956 | 20396 |
| 3.694 | | 24229 | 18709 |
| 3.731 | | 53483 | 42232 |
| 3.789 | | 47042 | 34206 |
| 3.83 | | 5930 | 3454 |
| 3.857 | | 1217841 | 868096 |
| 3.883 | | 340540 | 233411 |
| 3.905 | | 16816 | 6678 |
| 3.931 | | 1955 | 763 |
| 3.98 | | 730252 | 573604 |
| 4.004 | | 51462 | 30722 |
| 4.036 | | 76684 | 53543 |
| 4.069 | | 346122 | 287985 |
| 4.109 | | 71230 | 54853 |
| 4.141 | | 8349 | 5541 |
| 4.174 | | 5785 | 3323 |
| 4.193 | | 73666 | 54676 |
| 4.228 | | 1845738 | 1295314 |
| 4.247 | | 787340 | 453626 |
| 4.272 | | 619390 | 499846 |
| 4.341 | | 632446 | 507487 |
| 4.383 | | 2947280 | 3175063 |
| 4.416 | | 1190706 | 971284 |

2855 12Oct11

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.457 | | 49303 | 31502 |
| 4.479 | | 207539 | 164827 |
| 4.522 | | 1099701 | 972651 |
| 4.571 | | 2089072 | 1715687 |
| 4.603 | | 524917 | 350211 |
| 4.632 | | 4296195 | 3574212 |
| 4.681 | | 225340 | 153173 |
| 4.696 | | 70899 | 29453 |
| 4.716 | | 532071 | 387776 |
| 4.758 | | 1210368 | 1231181 |
| 4.804 | | 249268 | 218711 |
| 4.845 | | 2301962 | 2131383 |
| 4.874 | | 33862 | 22171 |
| 4.904 | | 224433 | 184202 |
| 4.923 | | 27434 | 18635 |
| 4.956 | | 667953 | 533583 |
| 4.969 | | 130143 | 84913 |
| 5.006 | | 31956 | 23579 |
| 5.043 | | 1484775 | 1509088 |
| 5.09 | | 186836 | 141942 |
| 5.114 | | 71121 | 46772 |
| 5.127 | | 67037 | 37532 |
| 5.162 | | 2289337 | 2023628 |
| 5.183 | | 158967 | 81181 |
| 5.201 | | 86940 | 47407 |
| 5.227 | | 96998 | 75683 |
| 5.27 | | 118802 | 133417 |
| 5.317 | | 4011 | 3552 |
| 5.368 | | 656712 | 568537 |
| 5.39 | | 153050 | 106321 |
| 5.446 | | 104454 | 93905 |
| 5.485 | | 102220 | 94304 |
| 5.527 | | 17356 | 15527 |
| 5.566 | | 520461 | 490380 |
| 5.591 | | 61382 | 41154 |
| 5.627 | | 448747 | 454643 |
| 5.661 | | 9254 | 8124 |
| 5.712 | | 2108 | 859 |
| 5.832 | | 434381 | 414685 |
| 5.86 | | 65007 | 64484 |
| 5.953 | | 2126 | 3687 |
| 6.02 | | 55892 | 57512 |
| 6.085 | | 55472 | 86741 |
| 6.258 | | 25014 | 36678 |
| 6.3 | | 1948 | 1778 |
| 6.334 | | 2069 | 436 |
| 6.457 | | 52494 | 51729 |
| 6.492 | | 1769 | 492 |
| 6.603 | DCB | 3772873 | 3886820 |
| 6.98 | | 2101 | 389 |
| 7.043 | | 1272 | 757 |
| 7.518 | | 1274 | 696 |
| 7.599 | | 2169 | 2571 |
| 7.622 | | 1452 | 623 |
| 7.71 | | 1411 | 1358 |
| 7.751 | | 1645 | 820 |
| 7.904 | | 1313 | 411 |
| 7.947 | | 1678 | 758 |
| 7.981 | | 1609 | 586 |
| 8.003 | | 1986 | 504 |
| 8.054 | | 1440 | 475 |
| 8.106 | | 1541 | 388 |
| 8.379 | | 1695 | 653 |
| 8.411 | | 1894 | 430 |
| 8.55 | | 1506 | 519 |

LANCASTER LABORATORIES

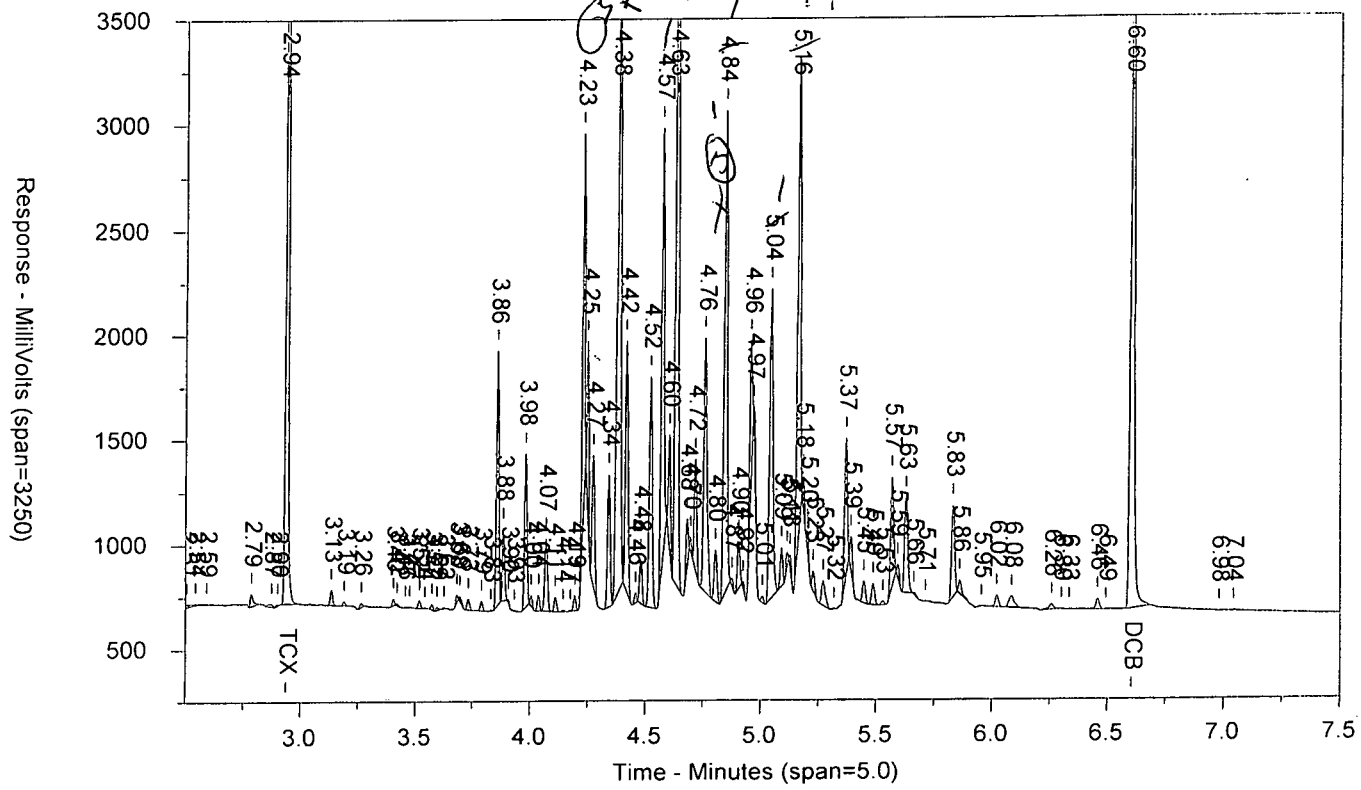
Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.53 | | 4253 | 4450 |
| 1.559 | | 7817 | 6599 |
| 1.609 | | 4160 | 8180 |
| 1.687 | | 4847 | 11240 |
| 1.795 | | 5941 | 6297 |
| 1.818 | | 7745 | 8629 |
| 1.864 | | 4072 | 3220 |
| 1.901 | | 70463 | 52736 |
| 1.968 | | 13133 | 25443 |
| 2.029 | | 19370 | 19020 |
| 2.127 | | 8831 | 9955 |
| 2.162 | | 3057 | 3684 |
| 2.223 | | 4379 | 2319 |
| 2.315 | | 347 | 1257 |
| 2.386 | | 3923 | 3601 |
| 2.415 | | 4336 | 3553 |
| 2.508 | | 9487 | 11471 |
| 2.525 | | 92153 | 86322 |
| 2.591 | TCX | 8413255 | 5242966 |
| 2.691 | | 4727 | 3305 |
| 2.764 | | 3985 | 3257 |
| 2.809 | | 121362 | 81163 |
| 2.876 | | 33952 | 25786 |
| 2.925 | | 23544 | 13132 |
| 2.951 | | 2995 | 2345 |
| 2.988 | | 5067 | 3509 |
| 3.031 | | 4992 | 11439 |
| 3.084 | | 71719 | 78172 |
| 3.135 | | 4204 | 1963 |
| 3.159 | | 10329 | 7394 |
| 3.205 | | 50843 | 35361 |
| 3.244 | | 15881 | 10438 |
| 3.269 | | 39891 | 22067 |
| 3.288 | | 10976 | 5129 |
| 3.305 | | 14364 | 9404 |
| 3.353 | | 49108 | 24373 |
| 3.362 | | 33695 | 12433 |
| 3.383 | | 34102 | 15878 |
| 3.397 | | 48690 | 29663 |
| 3.471 | | 68160 | 44478 |
| 3.506 | | 1872094 | 1153001 |
| 3.528 | | 548710 | 307985 |
| 3.546 | | 59691 | 26396 |
| 3.631 | | 1232936 | 750969 |
| 3.654 | | 88581 | 44755 |
| 3.675 | | 106745 | 75570 |
| 3.704 | | 20977 | 9565 |
| 3.72 | | 459060 | 290588 |
| 3.76 | | 105924 | 72126 |
| 3.801 | | 87363 | 70912 |
| 3.831 | | 366580 | 208587 |
| 3.853 | | 4362833 | 2862676 |
| 3.878 | | 429118 | 234346 |
| 3.897 | | 434125 | 240890 |

| | | | |
|---|---|---|---|
| 3.917 | | 780308 | 492937 |
| 3.952 | | 3984329 | 2691069 |
| 3.983 | | 1464889 | 852664 |
| 3.999 | | 794963 | 418809 |
| 4.06 | | 302420 | 221803 |
| 4.095 | | 1343275 | 1004957 |
| 4.152 | | 3045757 | 2345083 |
| 4.184 | | 899727 | 659167 |
| 4.211 | | 5655306 | 4174436 |
| 4.25 | | 404126 | 383317 |
| 4.303 | | 2666027 | 2178718 |
| 4.339 | | 387584 | 288963 |
| 4.372 | | 3062614 | 2266047 |
| 4.396 | | 495021 | 321366 |
| 4.439 | | 2199736 | 1635042 |
| 4.462 | | 95127 | 49666 |
| 4.536 | | 1869609 | 1946785 |
| 4.589 | | 2456998 | 2017434 |
| 4.629 | | 611108 | 529651 |
| 4.668 | | 3943108 | 3849734 |
| 4.714 | | 278869 | 176231 |
| 4.738 | | 132923 | 93271 |
| 4.796 | | 43091 | 47398 |
| 4.836 | | 13866 | 7184 |
| 4.855 | | 180386 | 143686 |
| 4.887 | | 199312 | 129571 |
| 4.911 | | 1237267 | 975274 |
| 4.961 | | 158079 | 130906 |
| 4.997 | | 133978 | 108775 |
| 5.028 | | 79665 | 63138 |
| 5.06 | | 574611 | 423495 |
| 5.082 | | 454221 | 403696 |
| 5.152 | | 14861 | 12109 |
| 5.273 | | 2972 | 1764 |
| 5.299 | | 24145 | 18954 |
| 5.34 | | 530671 | 605908 |
| 5.499 | | 59977 | 52666 |
| 5.546 | | 21199 | 15731 |
| 5.567 | | 45731 | 35151 |
| 5.615 | | 22469 | 21817 |
| 5.726 | | 32053 | 28199 |
| 5.926 | | 85173 | 74432 |
| 5.955 | | 2853 | 1706 |
| 6.085 | DCB | 7003153 | 6541400 |
| 6.537 | | 5201 | 4857 |
| 7.032 | | 3764 | 4233 |
| 7.887 | | 1785 | 2260 |
| 8.014 | | 1531 | 1900 |
| 8.067 | | 1688 | 3085 |
| 8.165 | | 10130 | 19614 |

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0022.RAW

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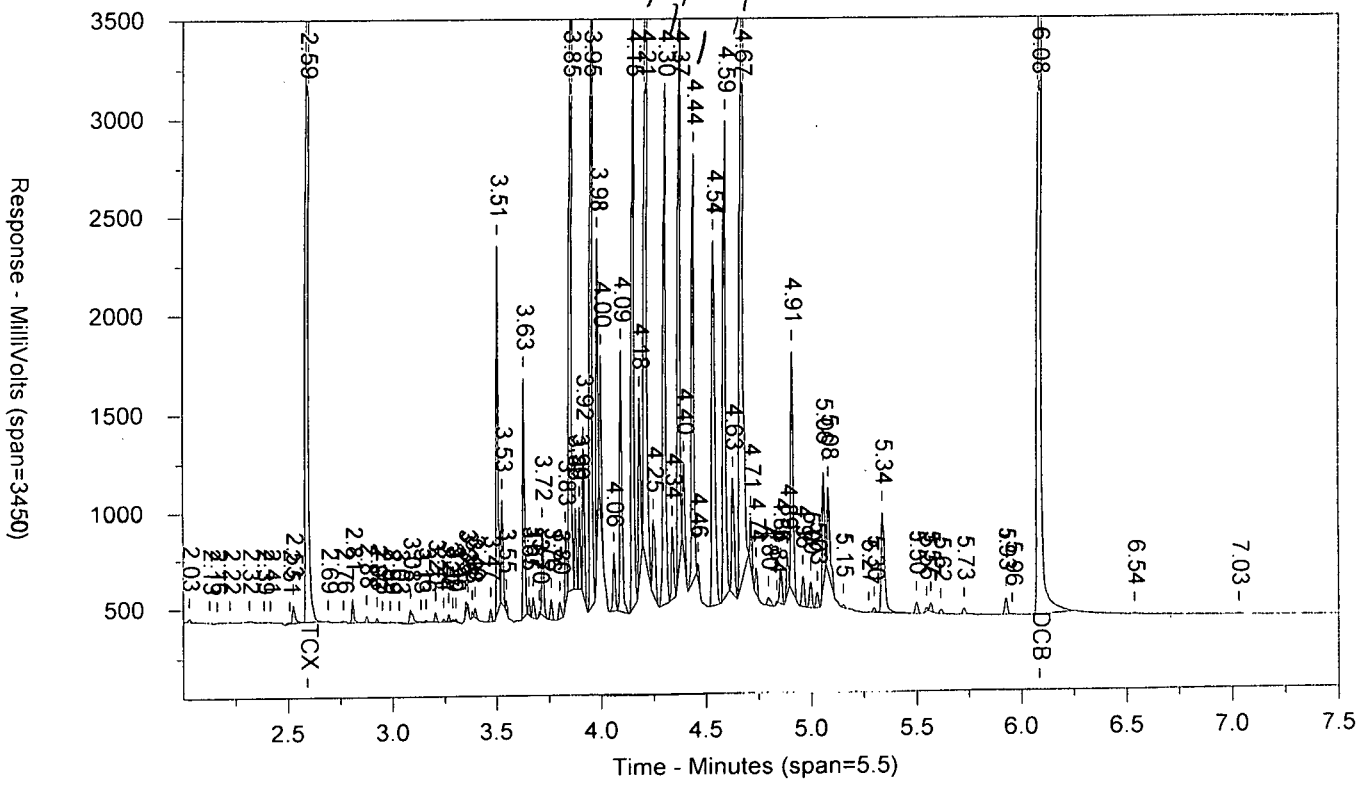

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5234636 | 19.096 | TCX | 2.591 | 8413255 | 20.296 | TCX |
| 6.603 | 3772873 | 18.698 | DCB | 6.085 | 7003153 | 18.5 | DCB |

Files:
Area File: 07PCBS17284001.0022.RAW
Area File: 07PCBS17284001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:11:47 PM
File Reported On: 10/11/2017 at 11:11:55 PM

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

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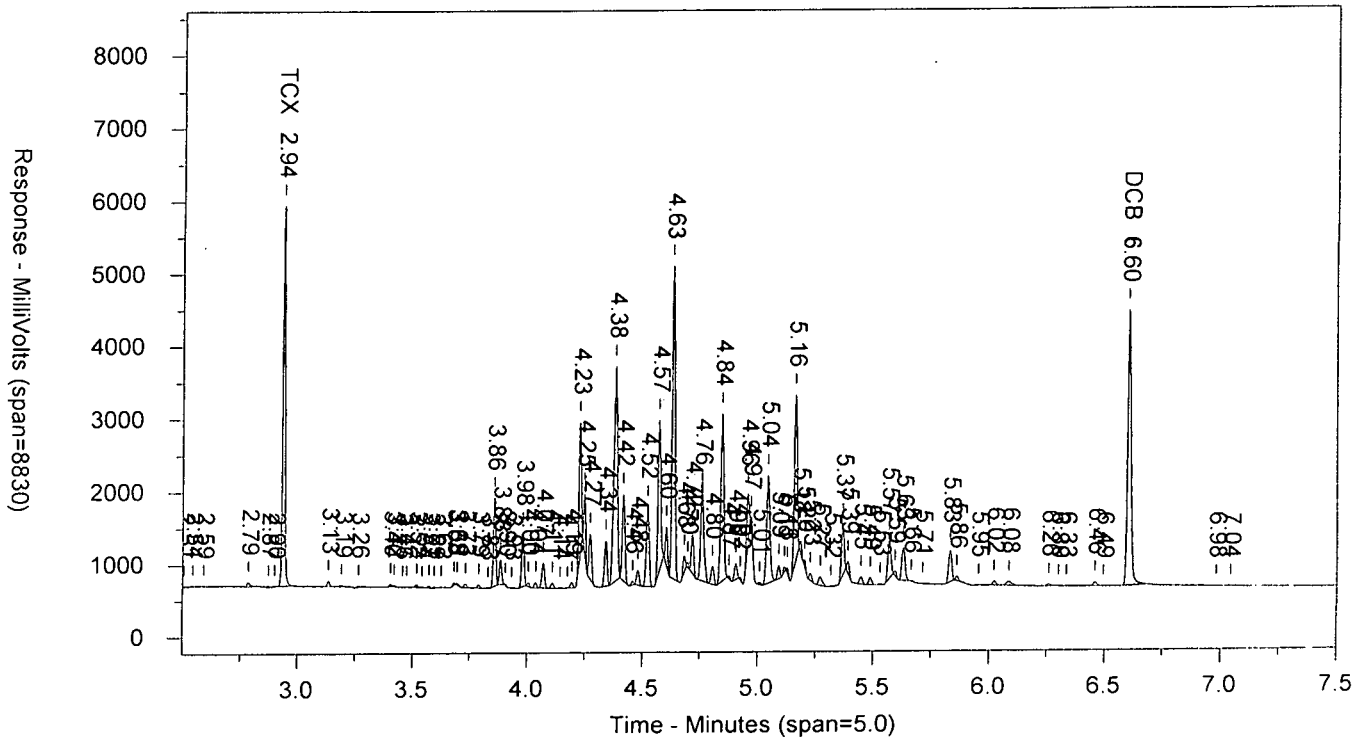


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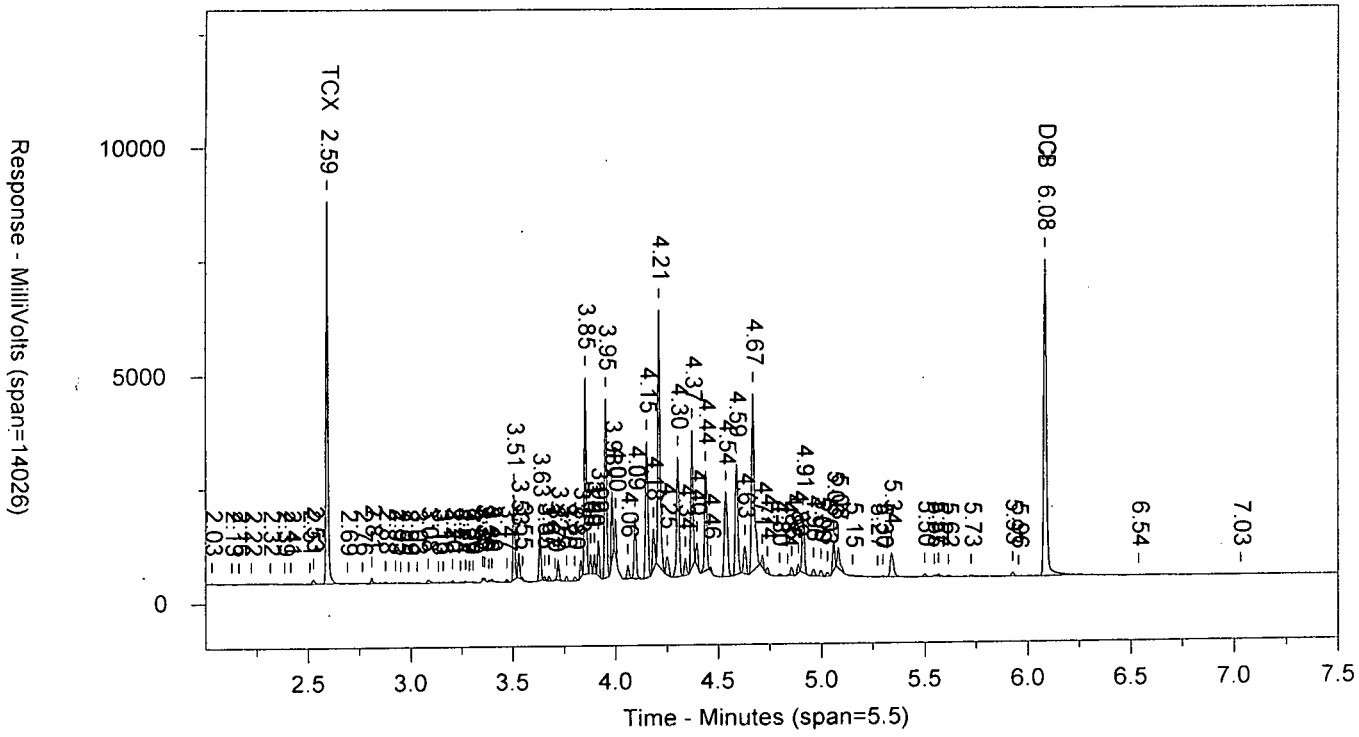

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

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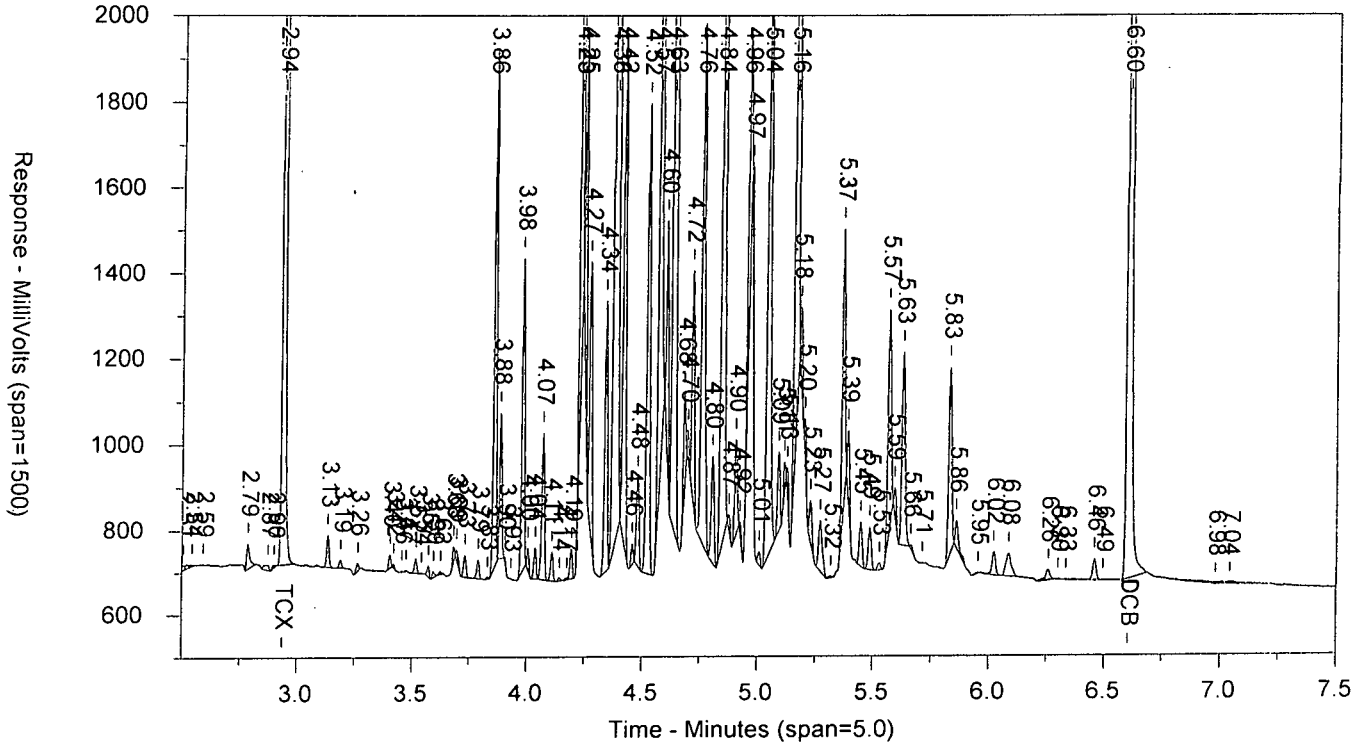


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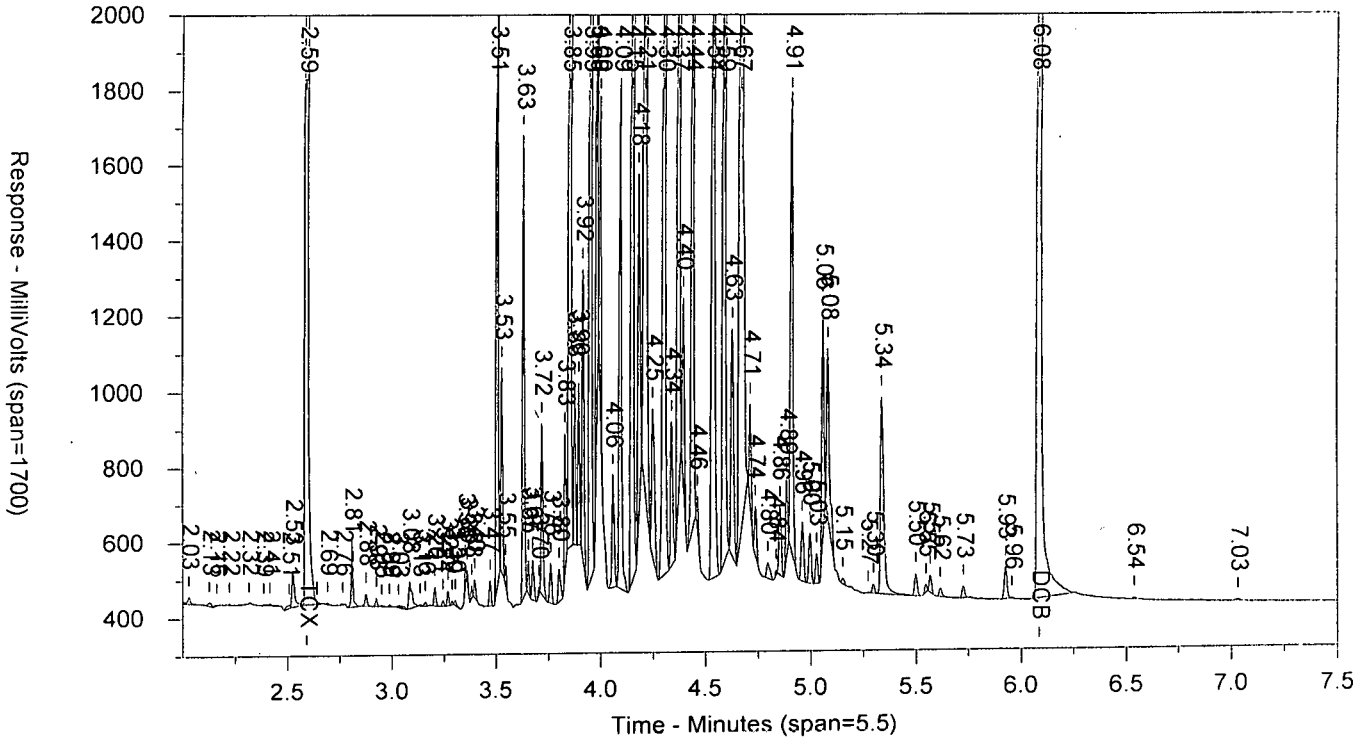


LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.542 | | 16891 | 25149 |
| 1.613 | | 6803 | 55896 |
| 1.828 | | 1515 | 1741 |
| 2.063 | | 15640 | 48507 |
| 2.089 | | 9323 | 7991 |
| 2.176 | | 11670 | 18487 |
| 2.234 | | 59212 | 65698 |
| 2.333 | | 44038 | 42202 |
| 2.526 | | 5606 | 29535 |
| 2.595 | | 3726 | 2058 |
| 2.613 | | 2721 | 2113 |
| 2.712 | | 2045 | 3624 |
| 2.786 | | 20152 | 14665 |
| 2.866 | | 15086 | 23314 |
| 2.937 | TCX | 10545700 | 7080066 |
| 3.036 | | 2938 | 2098 |
| 3.087 | | 12548 | 10209 |
| 3.134 | | 148581 | 103758 |
| 3.188 | | 42910 | 31746 |
| 3.264 | | 34026 | 23734 |
| 3.281 | | 5922 | 4086 |
| 3.404 | | 72764 | 45480 |
| 3.42 | | 19581 | 9229 |
| 3.457 | | 3774 | 1883 |
| 3.473 | | 18227 | 13052 |
| 3.517 | | 74147 | 53916 |
| 3.572 | | 43745 | 28063 |
| 3.594 | | 41308 | 29113 |
| 3.626 | | 15457 | 8563 |
| 3.641 | | 7646 | 3472 |
| 3.683 | | 67686 | 37002 |
| 3.694 | | 31643 | 31167 |
| 3.731 | | 128972 | 104135 |
| 3.79 | | 97847 | 73811 |
| 3.832 | | 11437 | 7371 |
| 3.858 | | 2156986 | 1530976 |
| 3.884 | | 593992 | 526399 |
| 3.981 | | 1375647 | 1014896 |
| 4.005 | | 92077 | 55820 |
| 4.036 | | 146578 | 101473 |
| 4.07 | | 604498 | 532913 |
| 4.11 | | 133083 | 104059 |
| 4.142 | | 14116 | 7884 |
| 4.156 | | 4429 | 1855 |
| 4.173 | | 5185 | 1979 |
| 4.194 | | 129686 | 97756 |
| 4.229 | | 3386326 | 2301955 |
| 4.248 | | 1347943 | 754448 |
| 4.273 | | 1073923 | 881387 |
| 4.341 | | 1082749 | 889098 |
| 4.382 | | 5686337 | 5824931 |
| 4.417 | | 2234411 | 1733428 |
| 4.458 | | 82436 | 55530 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.48 | | 390725 | 294197 |
| 4.522 | | 2038574 | 1743290 |
| 4.571 | | 3815800 | 3232899 |
| 4.603 | | 987966 | 643525 |
| 4.633 | | 8026612 | 6743122 |
| 4.682 | | 394502 | 278600 |
| 4.696 | | 109581 | 43566 |
| 4.716 | | 939375 | 711209 |
| 4.758 | | 2231005 | 2241142 |
| 4.804 | | 456745 | 402797 |
| 4.845 | | 4433414 | 4077343 |
| 4.874 | | 66953 | 44711 |
| 4.904 | | 400892 | 333341 |
| 4.924 | | 49696 | 30335 |
| 4.957 | | 1321188 | 1036184 |
| 4.97 | | 226917 | 149457 |
| 5.007 | | 53956 | 40501 |
| 5.043 | | 2945283 | 2916899 |
| 5.09 | | 369418 | 276703 |
| 5.114 | | 132074 | 85834 |
| 5.125 | | 104908 | 73498 |
| 5.161 | | 4536999 | 3959710 |
| 5.183 | | 305150 | 154056 |
| 5.201 | | 169757 | 106442 |
| 5.227 | | 195235 | 148938 |
| 5.27 | | 220614 | 242918 |
| 5.308 | | 3327 | 1965 |
| 5.367 | | 1287852 | 1079698 |
| 5.391 | | 340390 | 232796 |
| 5.42 | | 11882 | 5570 |
| 5.446 | | 203088 | 172424 |
| 5.486 | | 189584 | 175801 |
| 5.526 | | 35088 | 30539 |
| 5.566 | | 970933 | 910371 |
| 5.591 | | 118732 | 84039 |
| 5.627 | | 835825 | 818621 |
| 5.664 | | 20628 | 13374 |
| 5.831 | | 756446 | 743723 |
| 5.861 | | 125140 | 117288 |
| 5.95 | | 4011 | 3763 |
| 6.022 | | 89965 | 94812 |
| 6.083 | | 87216 | 151985 |
| 6.23 | | 2257 | 1893 |
| 6.256 | | 46262 | 47704 |
| 6.301 | | 3564 | 2355 |
| 6.369 | | 1437 | 326 |
| 6.456 | | 86915 | 88081 |
| 6.506 | | 1839 | 615 |
| 6.602 | DCB | 7181234 | 7631524 |
| 6.791 | | 1797 | 967 |
| 6.905 | | 1130 | 595 |
| 6.986 | | 1568 | 737 |
| 7.047 | | 4867 | 5391 |
| 7.453 | | 1682 | 427 |
| 7.53 | | 991 | 812 |
| 7.603 | | 1104 | 550 |
| 7.627 | | 1418 | 339 |
| 7.67 | | 1439 | 524 |
| 7.699 | | 2104 | 472 |
| 7.831 | | 2161 | 778 |
| 7.942 | | 1579 | 563 |
| 7.966 | | 1567 | 694 |
| 8.263 | | 1767 | 609 |
| 8.413 | | 1551 | 577 |
| 8.536 | | 1365 | 415 |

LANCASTER LABORATORIES

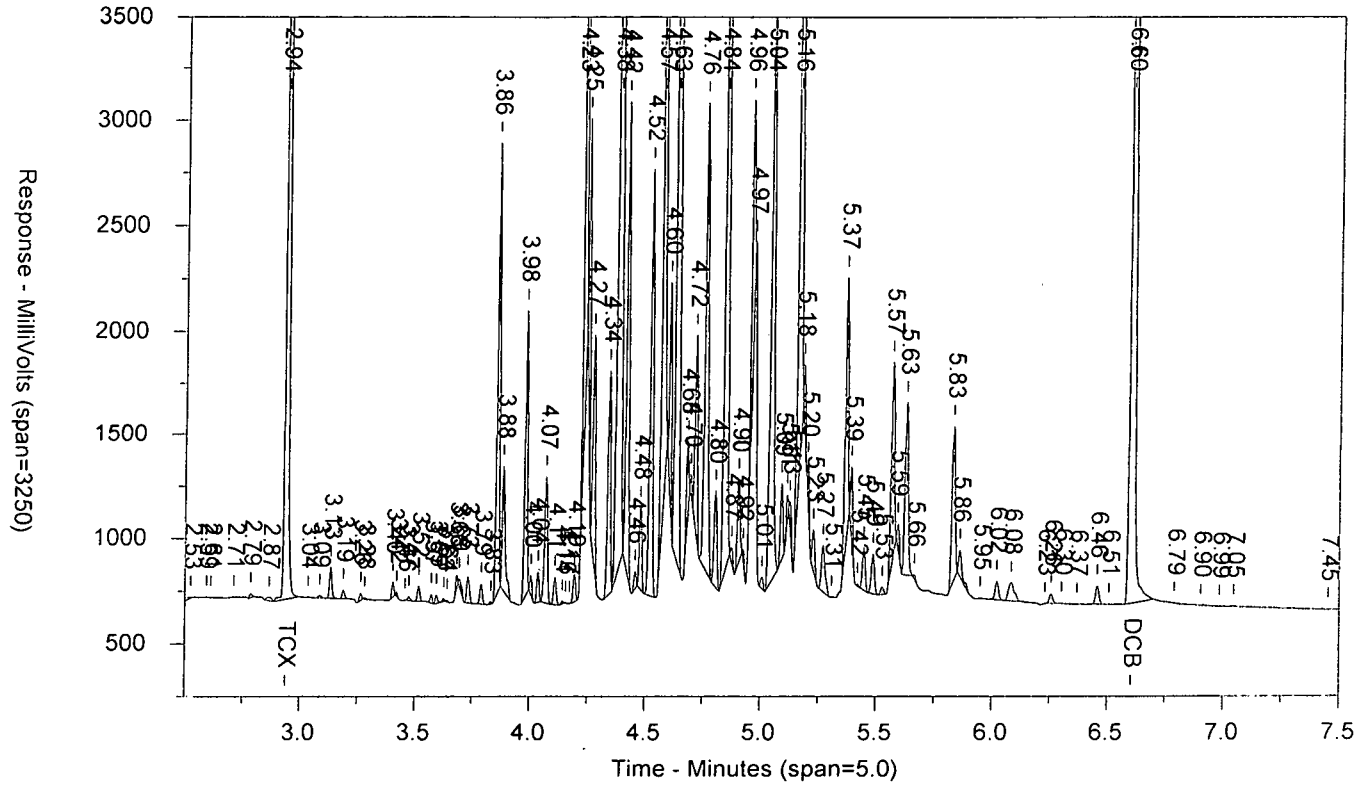
Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.532 | | 3598 | 6201 |
| 1.694 | | 7006 | 15963 |
| 1.722 | | 6068 | 3099 |
| 1.751 | | 11364 | 22828 |
| 1.794 | | 6299 | 6416 |
| 1.818 | | 5272 | 4315 |
| 1.902 | | 120002 | 102486 |
| 1.968 | | 10200 | 13888 |
| 2.029 | | 32573 | 24338 |
| 2.133 | | 11245 | 11425 |
| 2.161 | | 4578 | 4986 |
| 2.223 | | 5759 | 6071 |
| 2.304 | | 1645 | 1654 |
| 2.387 | | 4405 | 3401 |
| 2.416 | | 3980 | 2659 |
| 2.508 | | 8375 | 12413 |
| 2.525 | | 40229 | 31563 |
| 2.591 | TCX | 16466400 | 10289150 |
| 2.764 | | 18811 | 26253 |
| 2.809 | | 219164 | 146860 |
| 2.876 | | 65623 | 46643 |
| 2.925 | | 43268 | 24087 |
| 2.948 | | 2268 | 1200 |
| 2.988 | | 10147 | 7677 |
| 3.085 | | 137907 | 152901 |
| 3.135 | | 9387 | 5268 |
| 3.159 | | 28494 | 20708 |
| 3.182 | | 3448 | 1525 |
| 3.206 | | 103782 | 74395 |
| 3.245 | | 54838 | 37089 |
| 3.269 | | 67606 | 35990 |
| 3.289 | | 21703 | 10681 |
| 3.304 | | 17621 | 9731 |
| 3.354 | | 180746 | 193948 |
| 3.383 | | 60757 | 27717 |
| 3.398 | | 115862 | 83616 |
| 3.471 | | 136215 | 93490 |
| 3.506 | | 3348723 | 2044419 |
| 3.529 | | 971328 | 562621 |
| 3.547 | | 91259 | 39897 |
| 3.598 | | 4331 | 4527 |
| 3.632 | | 2154952 | 1335471 |
| 3.654 | | 150616 | 76651 |
| 3.675 | | 208042 | 141863 |
| 3.704 | | 72761 | 33599 |
| 3.721 | | 784552 | 488914 |
| 3.761 | | 199327 | 140183 |
| 3.801 | | 164285 | 132342 |
| 3.831 | | 622266 | 366073 |
| 3.853 | | 7962916 | 5174826 |
| 3.878 | | 779202 | 420693 |
| 3.897 | | 777733 | 425498 |
| 3.917 | | 1385874 | 869426 |
| 3.952 | | 7276728 | 4890584 |

| | | | |
|---|---|---|---|
| 3.983 | | 2652849 | 1580309 |
| 4 | | 1470401 | 767853 |
| 4.061 | | 542730 | 384003 |
| 4.095 | | 2381053 | 1792767 |
| 4.152 | | 5935535 | 4334473 |
| 4.185 | | 1651182 | 1223766 |
| 4.212 | | 10730280 | 7844793 |
| 4.25 | | 718569 | 683051 |
| 4.303 | | 4905945 | 4039561 |
| 4.34 | | 707612 | 532260 |
| 4.373 | | 6000307 | 4247819 |
| 4.396 | | 934298 | 591265 |
| 4.439 | | 3982054 | 3044409 |
| 4.462 | | 165839 | 89395 |
| 4.537 | | 3515445 | 3632347 |
| 4.59 | | 4950863 | 3954556 |
| 4.629 | | 1179544 | 982451 |
| 4.668 | | 7746373 | 7287530 |
| 4.714 | | 530608 | 327362 |
| 4.738 | | 258370 | 169864 |
| 4.796 | | 83746 | 90251 |
| 4.837 | | 22413 | 11693 |
| 4.856 | | 351257 | 270368 |
| 4.888 | | 364066 | 242396 |
| 4.911 | | 2332755 | 1850741 |
| 4.961 | | 303039 | 244310 |
| 4.996 | | 251673 | 203305 |
| 5.028 | | 150714 | 117903 |
| 5.06 | | 1134176 | 845961 |
| 5.082 | | 794694 | 753796 |
| 5.153 | | 26814 | 23029 |
| 5.299 | | 43668 | 34530 |
| 5.341 | | 1039942 | 1104497 |
| 5.498 | | 92573 | 82957 |
| 5.546 | | 43309 | 32022 |
| 5.568 | | 68975 | 51544 |
| 5.616 | | 44677 | 41075 |
| 5.725 | | 64219 | 55218 |
| 5.926 | | 147560 | 127459 |
| 5.956 | | 4170 | 2628 |
| 6.084 | DCB | 13159310 | 12782140 |
| 6.254 | | 5901 | 6886 |
| 6.536 | | 11811 | 15710 |
| 6.812 | | 1891 | 4053 |
| 7.975 | | 1312 | 1777 |
| 8.162 | | 10592 | 22910 |

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0023.RAW

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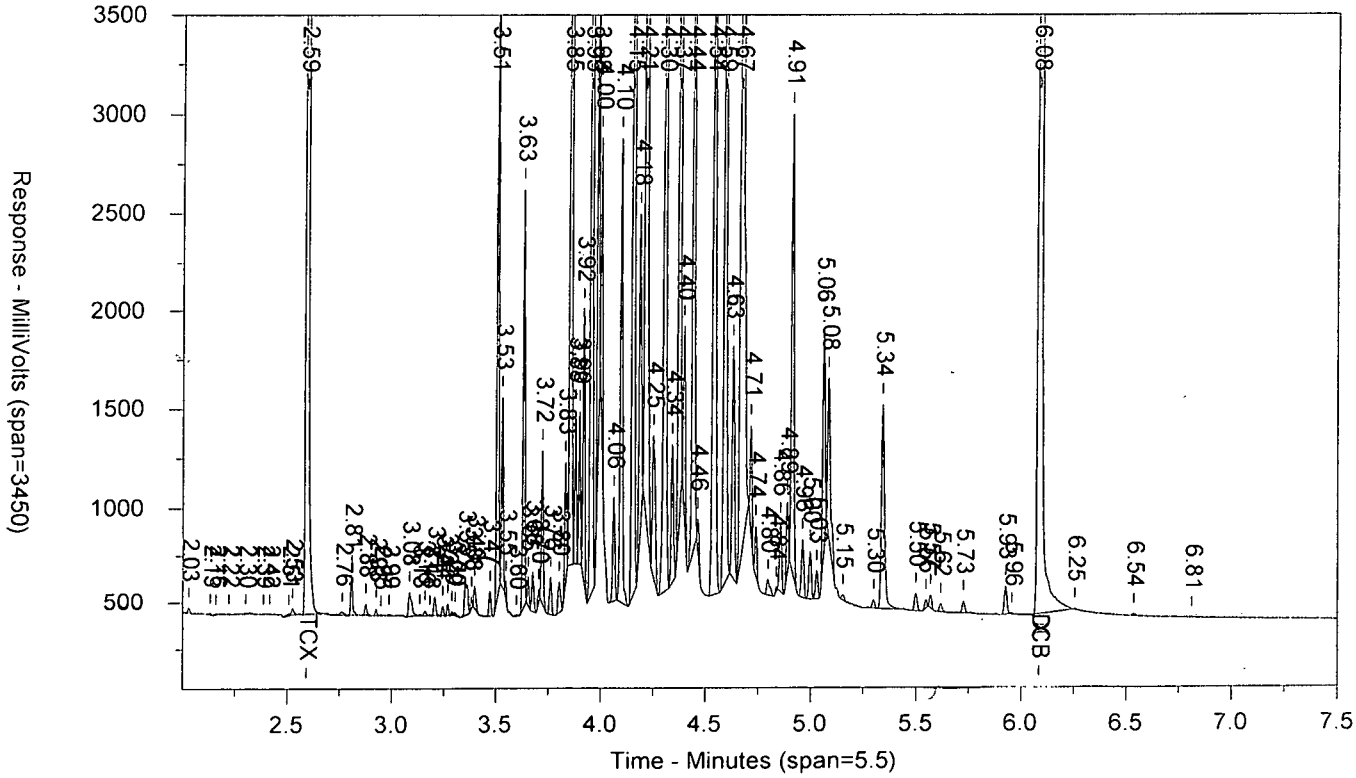

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 10545700 | 38.471 | TCX | 2.591 | 16466400 | 39.723 | TCX |
| 6.602 | 7181234 | 35.589 | DCB | 6.084 | 13159310 | 34.762 | DCB |

Files:
Area File: 07PCBS17284001.0023.RAW
Area File: 07PCBS17284001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:23:14 PM
File Reported On: 10/11/2017 at 11:23:23 PM

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

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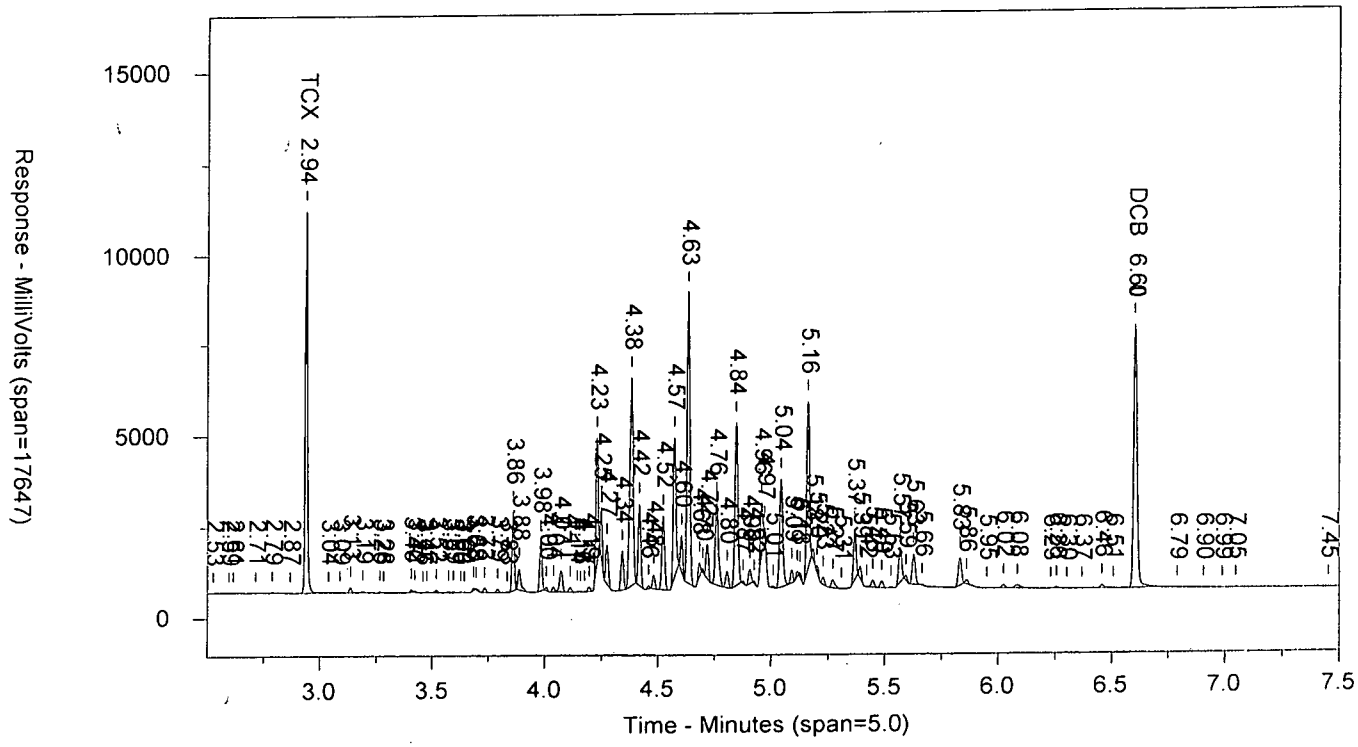


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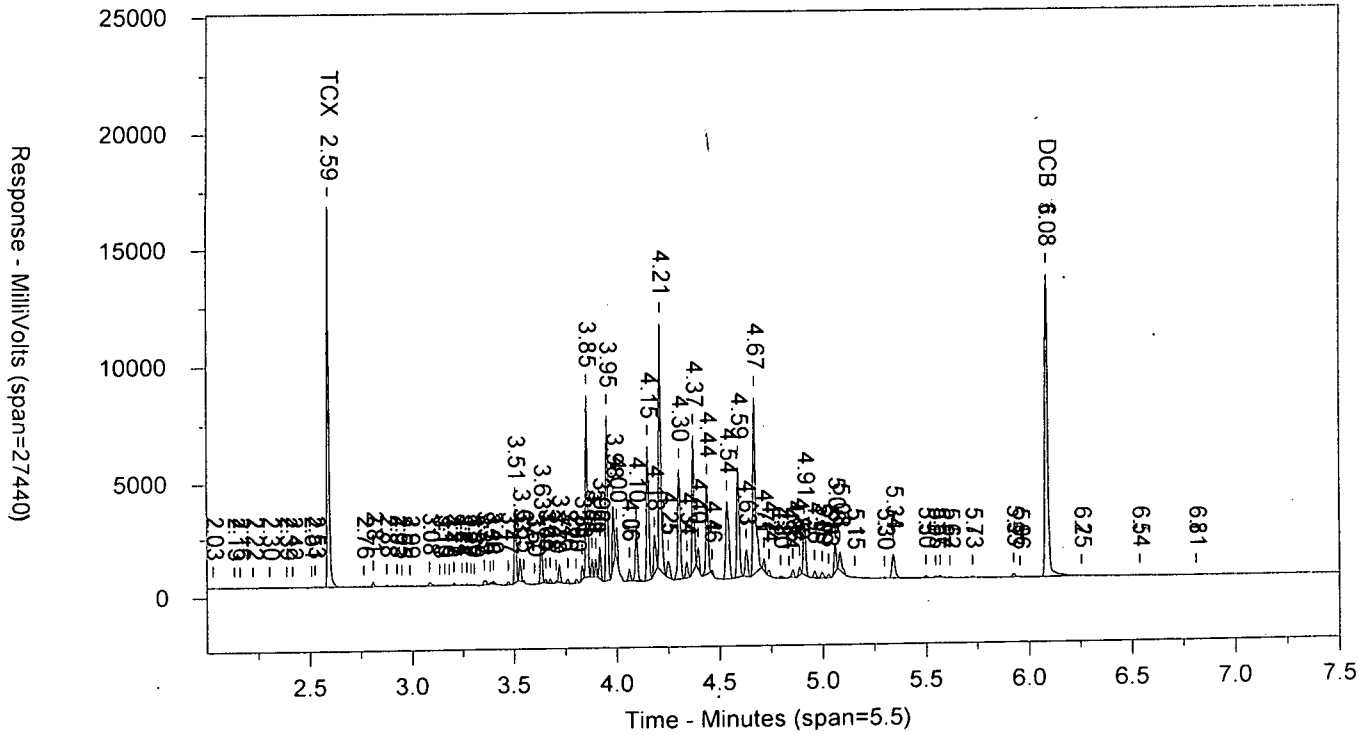

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

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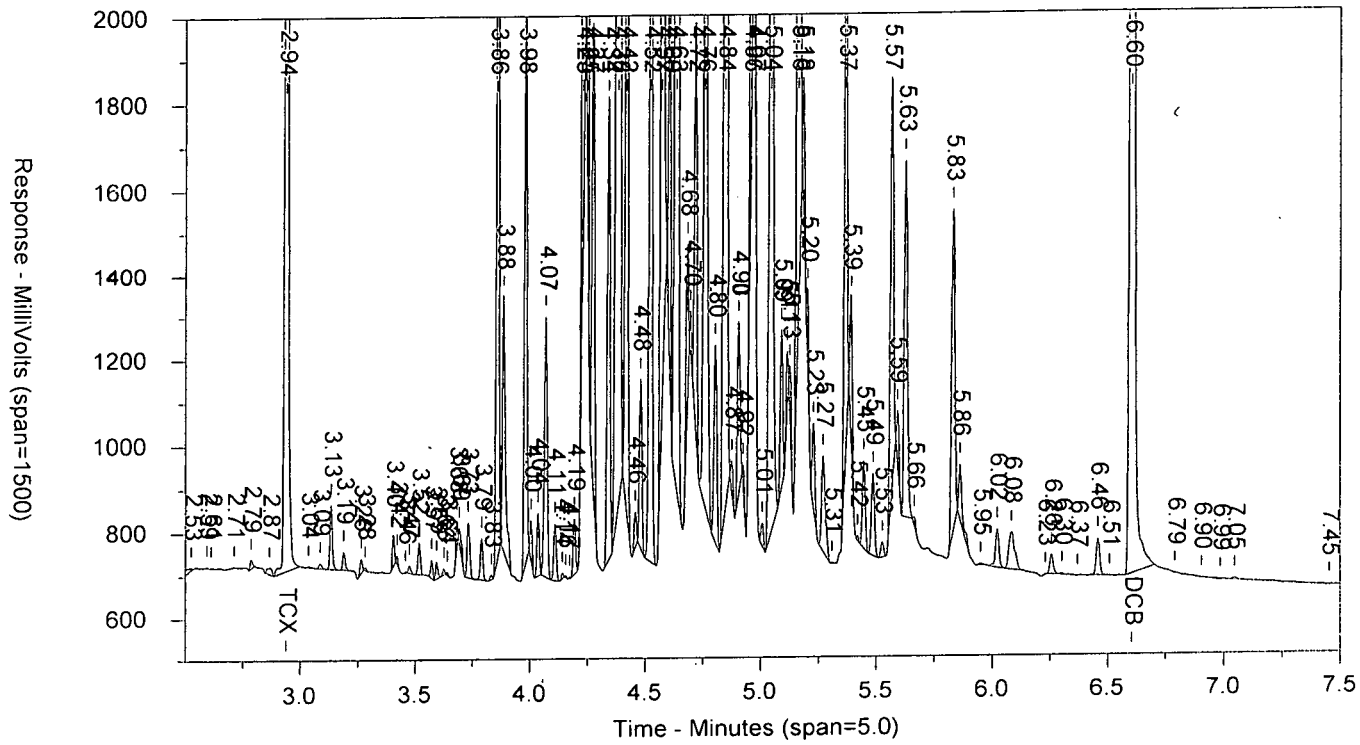


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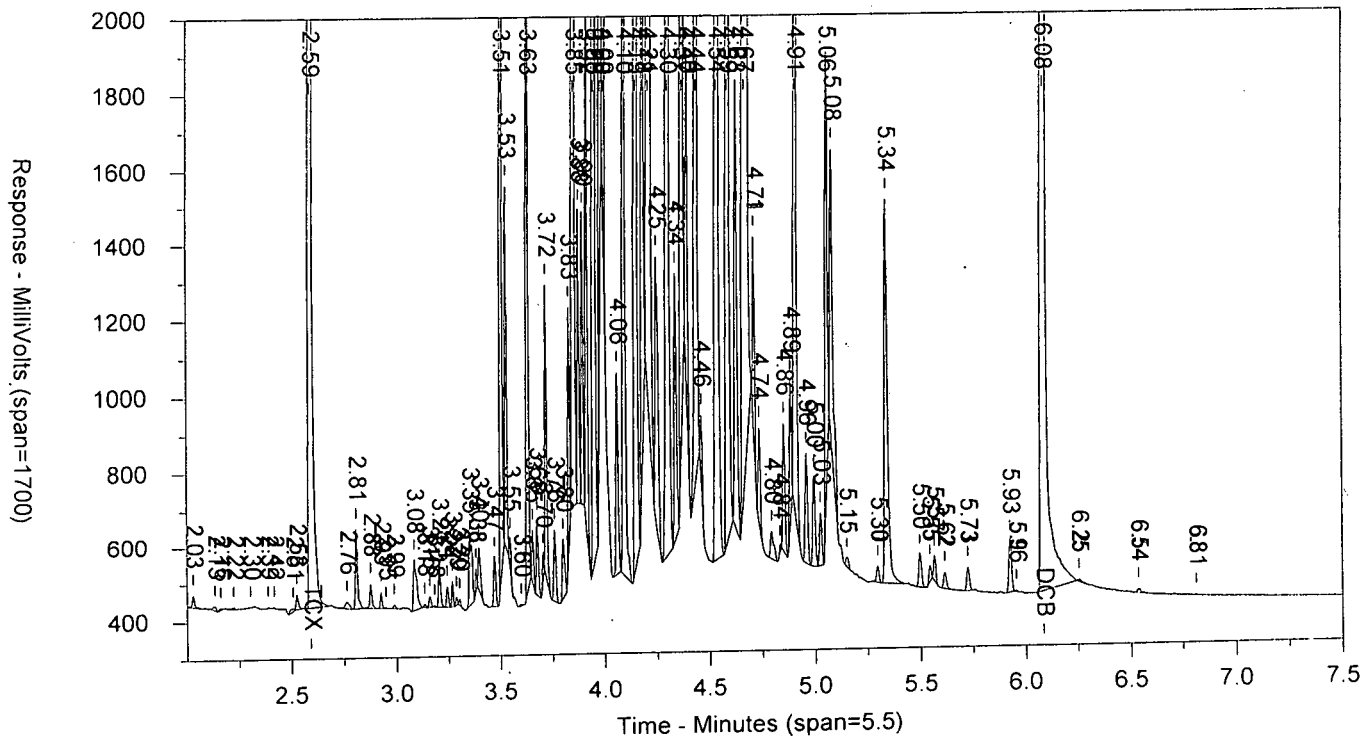


LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.613 | | 6408 | 49879 |
| 1.736 | | 3096 | 1411 |
| 1.893 | | 2227 | 2256 |
| 1.915 | | 4048 | 2947 |
| 1.986 | | 1804 | 889 |
| 2.056 | | 21448 | 41119 |
| 2.089 | | 17364 | 19913 |
| 2.13 | | 3430 | 2625 |
| 2.168 | | 4385 | 4725 |
| 2.234 | | 101912 | 72510 |
| 2.333 | | 41350 | 24751 |
| 2.342 | | 38756 | 24065 |
| 2.432 | | 6108 | 4731 |
| 2.501 | | 12590 | 17015 |
| 2.524 | | 9609 | 11177 |
| 2.594 | | 3277 | 1018 |
| 2.617 | | 4627 | 2734 |
| 2.705 | | 6199 | 4673 |
| 2.788 | | 19120 | 22185 |
| 2.872 | | 17285 | 28626 |
| 2.898 | | 6982 | 5497 |
| 2.937 | TCX | 21888910 | 14051710 |
| 3.036 | | 8734 | 10080 |
| 3.088 | | 27209 | 24216 |
| 3.134 | | 284777 | 202202 |
| 3.189 | | 86789 | 61393 |
| 3.264 | | 57268 | 37795 |
| 3.281 | | 9429 | 6098 |
| 3.349 | | 2701 | 2872 |
| 3.403 | | 140357 | 90236 |
| 3.419 | | 35536 | 18552 |
| 3.456 | | 9117 | 4069 |
| 3.473 | | 37268 | 27800 |
| 3.516 | | 144550 | 110238 |
| 3.572 | | 68589 | 43453 |
| 3.593 | | 84638 | 56252 |
| 3.625 | | 31049 | 17812 |
| 3.64 | | 12958 | 6390 |
| 3.682 | | 131787 | 69740 |
| 3.694 | | 74965 | 62259 |
| 3.732 | | 274260 | 215164 |
| 3.789 | | 192527 | 148258 |
| 3.83 | | 28242 | 17082 |
| 3.857 | | 4183651 | 2911920 |
| 3.884 | | 1116041 | 1007020 |
| 3.98 | | 2636406 | 1900006 |
| 4.004 | | 168208 | 104438 |
| 4.036 | | 273601 | 197709 |
| 4.069 | | 1169164 | 1000241 |
| 4.109 | | 246885 | 195624 |
| 4.142 | | 23861 | 13544 |
| 4.155 | | 15237 | 7684 |
| 4.173 | | 2361 | 852 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.194 | | 260257 | 188717 |
| 4.229 | | 6807404 | 4569697 |
| 4.247 | | 2829043 | 1538592 |
| 4.272 | | 2085883 | 1659050 |
| 4.34 | | 2055100 | 1666905 |
| 4.382 | | 11042380 | 11432730 |
| 4.416 | | 4344454 | 3355147 |
| 4.457 | | 173888 | 109753 |
| 4.479 | | 725716 | 546010 |
| 4.521 | | 3892001 | 3354801 |
| 4.571 | | 7663059 | 6361940 |
| 4.602 | | 1895216 | 1230135 |
| 4.632 | | 16347640 | 13572060 |
| 4.681 | | 766261 | 535180 |
| 4.696 | | 245976 | 99681 |
| 4.716 | | 1914456 | 1395301 |
| 4.736 | | 11090 | 2620 |
| 4.757 | | 4370839 | 4280816 |
| 4.804 | | 898128 | 778924 |
| 4.844 | | 9378378 | 8319612 |
| 4.875 | | 132783 | 83890 |
| 4.903 | | 779810 | 616342 |
| 4.923 | | 143587 | 78033 |
| 4.956 | | 4468957 | 6841187 |
| 5.006 | | 103197 | 80282 |
| 5.042 | | 5747644 | 5960540 |
| 5.088 | | 707950 | 533998 |
| 5.112 | | 284451 | 183557 |
| 5.125 | | 153902 | 101379 |
| 5.161 | | 9196005 | 8037887 |
| 5.183 | | 612130 | 321237 |
| 5.2 | | 354265 | 204683 |
| 5.227 | | 344970 | 265054 |
| 5.269 | | 414393 | 460136 |
| 5.341 | | 12108 | 7383 |
| 5.366 | | 2618865 | 2153639 |
| 5.389 | | 627159 | 424665 |
| 5.419 | | 16587 | 7411 |
| 5.446 | | 372669 | 331136 |
| 5.485 | | 346559 | 329712 |
| 5.525 | | 64542 | 55496 |
| 5.566 | | 1901204 | 1767014 |
| 5.59 | | 248248 | 176365 |
| 5.625 | | 1580033 | 1535144 |
| 5.662 | | 50317 | 36584 |
| 5.715 | | 8918 | 12771 |
| 5.831 | | 1414497 | 1359098 |
| 5.86 | | 252511 | 232579 |
| 6.021 | | 167621 | 171721 |
| 6.084 | | 168110 | 288720 |
| 6.255 | | 87013 | 95279 |
| 6.38 | | 2049 | 927 |
| 6.429 | | 2102 | 1588 |
| 6.456 | | 166174 | 167554 |
| 6.602 | DCB | 14980930 | 14826340 |
| 6.706 | | 4875 | 2409 |
| 6.911 | | 2188 | 1817 |
| 6.989 | | 1489 | 401 |
| 7.048 | | 8739 | 10088 |
| 7.14 | | 1729 | 378 |
| 7.585 | | 1149 | 508 |
| 7.607 | | 1364 | 461 |
| 7.633 | | 1458 | 889 |
| 7.747 | | 2215 | 956 |
| 7.822 | | 1585 | 855 |
| 7.879 | | 1486 | 591 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.941 | | 872 | 869 |
| 8.035 | | 1761 | 1348 |
| 8.059 | | 1979 | 808 |
| 8.177 | | 1293 | 509 |
| 8.299 | | 1524 | 546 |
| 8.424 | | 1672 | 412 |
| 8.431 | | 2379 | 524 |
| 8.506 | | 1726 | 859 |
| 8.573 | | 2290 | 2517 |
| 8.607 | | 1814 | 488 |

LANCASTER LABORATORIES

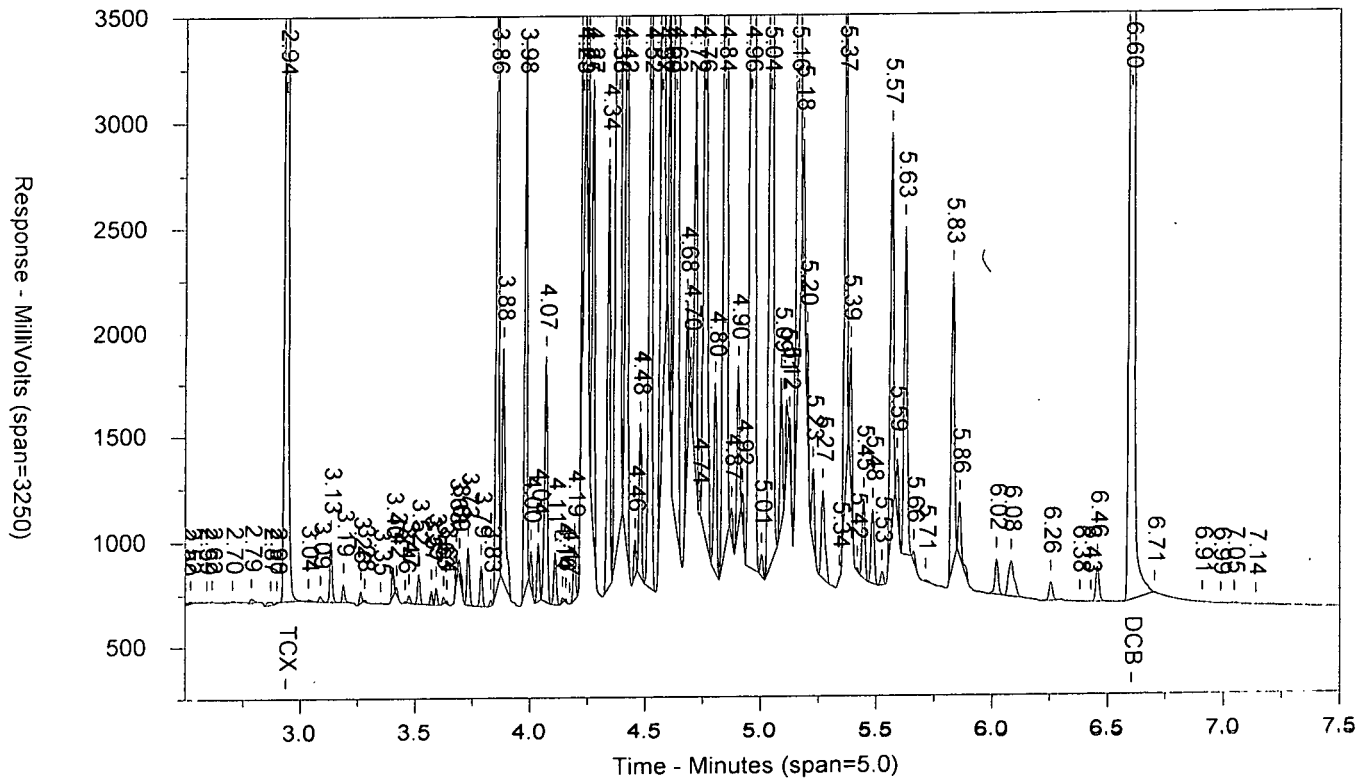
Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 6308 | 7688 |
| 1.607 | | 5748 | 3820 |
| 1.694 | | 1706 | 2918 |
| 1.77 | | 11033 | 26349 |
| 1.817 | | 15452 | 32582 |
| 1.903 | | 186737 | 178891 |
| 1.967 | | 16566 | 38728 |
| 2.03 | | 67386 | 56676 |
| 2.124 | | 14199 | 14940 |
| 2.16 | | 5218 | 5302 |
| 2.223 | | 9752 | 5312 |
| 2.278 | | 1529 | 776 |
| 2.321 | | 12364 | 11912 |
| 2.386 | | 5372 | 3704 |
| 2.416 | | 11156 | 7777 |
| 2.469 | | 12028 | 9539 |
| 2.51 | | 13443 | 16728 |
| 2.525 | | 25961 | 17428 |
| 2.591 | TCX | 33119730 | 20204830 |
| 2.69 | | 9171 | 7676 |
| 2.765 | | 34746 | 41491 |
| 2.809 | | 416136 | 268209 |
| 2.876 | | 122902 | 91344 |
| 2.925 | | 79002 | 45653 |
| 2.949 | | 5297 | 3999 |
| 2.988 | | 21202 | 16595 |
| 3.032 | | 6772 | 11971 |
| 3.085 | | 264907 | 287274 |
| 3.135 | | 16906 | 8832 |
| 3.159 | | 59002 | 41108 |
| 3.181 | | 6336 | 2976 |
| 3.206 | | 194957 | 148595 |
| 3.244 | | 115880 | 76701 |
| 3.269 | | 112999 | 61566 |
| 3.289 | | 43611 | 21758 |
| 3.304 | | 30651 | 15162 |
| 3.354 | | 353310 | 358232 |
| 3.383 | | 117111 | 53770 |
| 3.398 | | 251487 | 177928 |
| 3.471 | | 272261 | 187391 |
| 3.506 | | 6463667 | 3889131 |
| 3.529 | | 1911696 | 1066633 |
| 3.546 | | 175060 | 76484 |
| 3.593 | | 4560 | 3507 |
| 3.631 | | 4158395 | 2533267 |
| 3.654 | | 281771 | 144437 |
| 3.675 | | 406993 | 276705 |
| 3.704 | | 155654 | 71693 |
| 3.72 | | 1484284 | 909940 |
| 3.761 | | 375319 | 268047 |
| 3.801 | | 297309 | 247457 |
| 3.831 | | 1255273 | 704478 |
| 3.853 | | 15288630 | 10098910 |
| 3.878 | | 1461930 | 815824 |

| | | | |
|---|---|---|---|
| 3.897 | | 1498257 | 807941 |
| 3.917 | | 2697874 | 1646170 |
| 3.952 | | 14213400 | 9498761 |
| 3.983 | | 5262739 | 3076922 |
| 3.999 | | 2971091 | 1515951 |
| 4.06 | | 998341 | 716657 |
| 4.095 | | 4694439 | 3478722 |
| 4.151 | | 12052030 | 8553027 |
| 4.184 | | 3210817 | 2377282 |
| 4.212 | | 21261650 | 15476310 |
| 4.25 | | 1377276 | 1313037 |
| 4.303 | | 9788684 | 7860956 |
| 4.34 | | 1390069 | 1040808 |
| 4.372 | | 12271750 | 8726471 |
| 4.396 | | 1786931 | 1160023 |
| 4.439 | | 8108381 | 5991683 |
| 4.463 | | 355757 | 197789 |
| 4.536 | | 6789137 | 7105352 |
| 4.589 | | 10304420 | 8064423 |
| 4.629 | | 2238228 | 1913950 |
| 4.668 | | 15372950 | 14577200 |
| 4.714 | | 1046456 | 654065 |
| 4.738 | | 468351 | 322621 |
| 4.796 | | 155891 | 174594 |
| 4.837 | | 40671 | 20626 |
| 4.855 | | 697439 | 518147 |
| 4.888 | | 623307 | 426063 |
| 4.91 | | 4612914 | 3628634 |
| 4.961 | | 541939 | 458215 |
| 4.996 | | 486840 | 385818 |
| 5.027 | | 290884 | 229419 |
| 5.059 | | 2424340 | 1767075 |
| 5.081 | | 1672649 | 1488687 |
| 5.123 | | 40337 | 24060 |
| 5.152 | | 59384 | 50887 |
| 5.22 | | 5542 | 3894 |
| 5.272 | | 6343 | 3575 |
| 5.298 | | 80200 | 65016 |
| 5.339 | | 1992768 | 2086135 |
| 5.498 | | 174493 | 150733 |
| 5.545 | | 85189 | 60252 |
| 5.567 | | 126357 | 91963 |
| 5.616 | | 84529 | 75904 |
| 5.724 | | 119202 | 99979 |
| 5.753 | | 5080 | 5023 |
| 5.925 | | 272740 | 233146 |
| 5.955 | | 5771 | 3816 |
| 6.084 | DCB | 27078900 | 24465450 |
| 6.303 | | 4515 | 2807 |
| 6.535 | | 19881 | 18177 |
| 6.705 | | 3272 | 3849 |
| 7.964 | | 1157 | 1692 |
| 8.011 | | 1768 | 2765 |
| 8.162 | | 10554 | 20131 |

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0024.RAW

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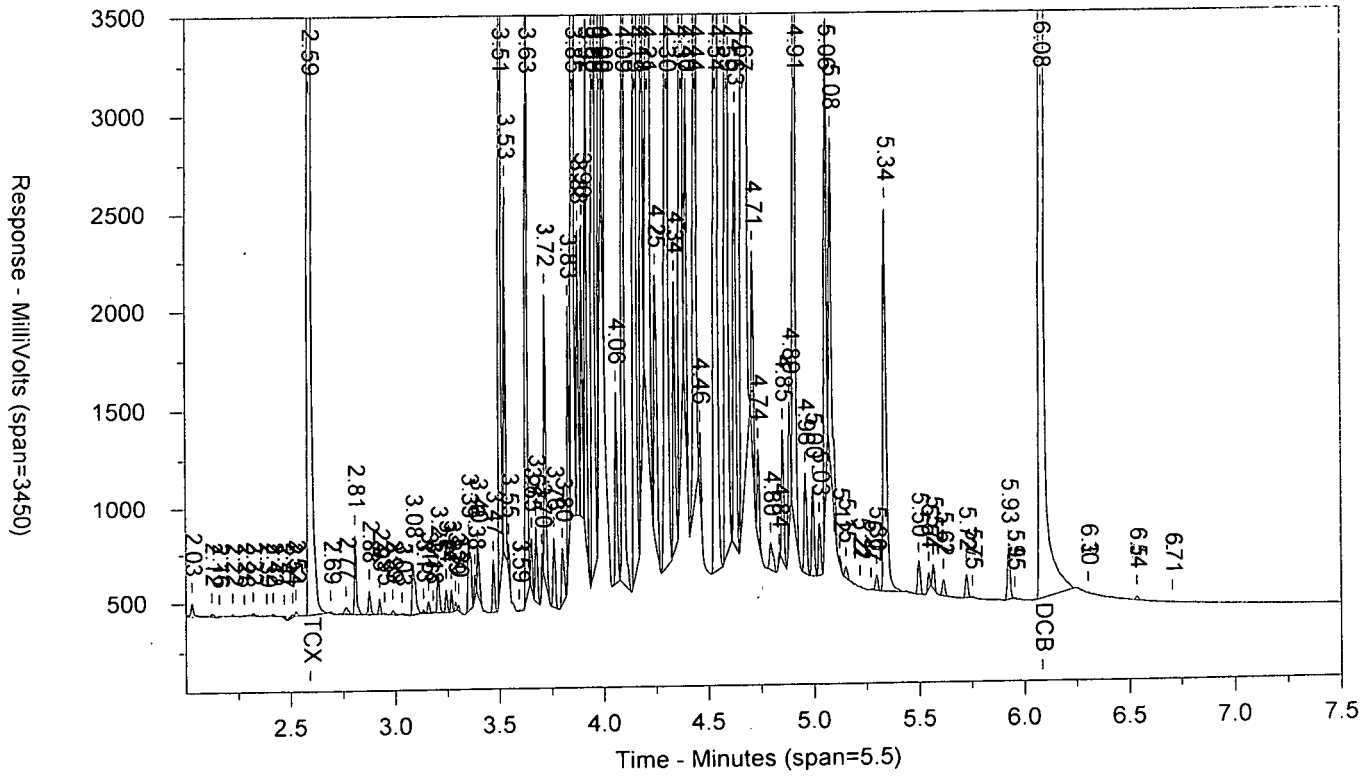


LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

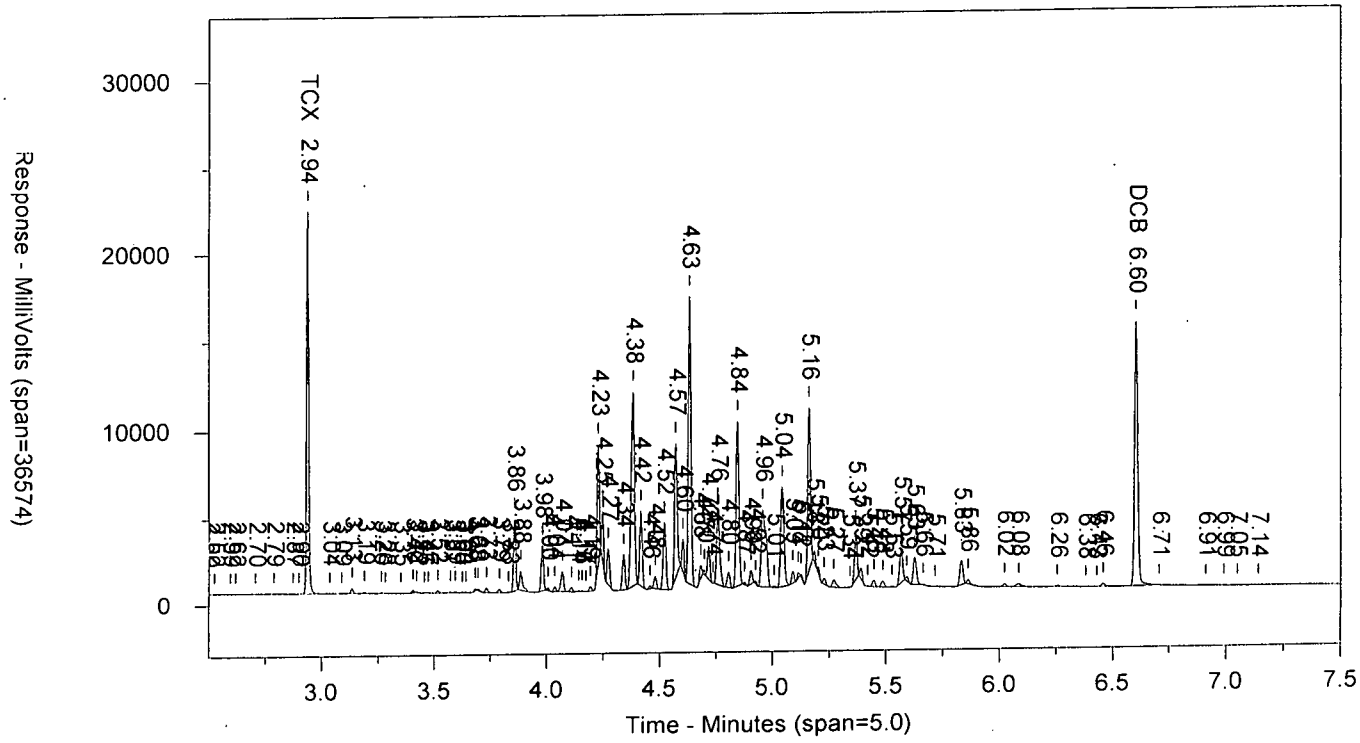
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 21888910 | 79.851 | TCX | 2.591 | 33119730 | 79.898 | TCX |
| 6.602 | 14980930 | 74.242 | DCB | 6.084 | 27078900 | 71.532 | DCB |

Files:
Area File: 07PCBS17284001.0024.RAW
Area File: 07PCBS17284001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:34:40 PM
File Reported On: 10/11/2017 at 11:34:51 PM

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0024.RAW

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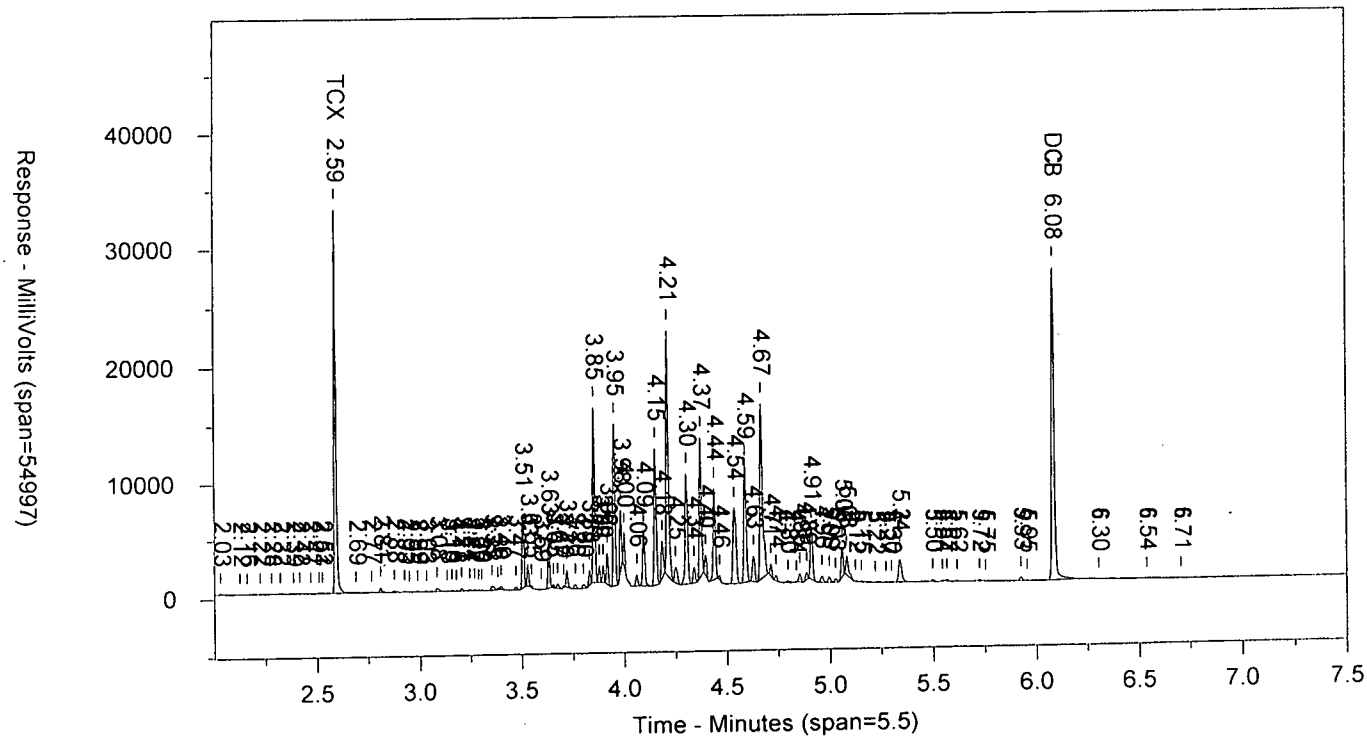

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

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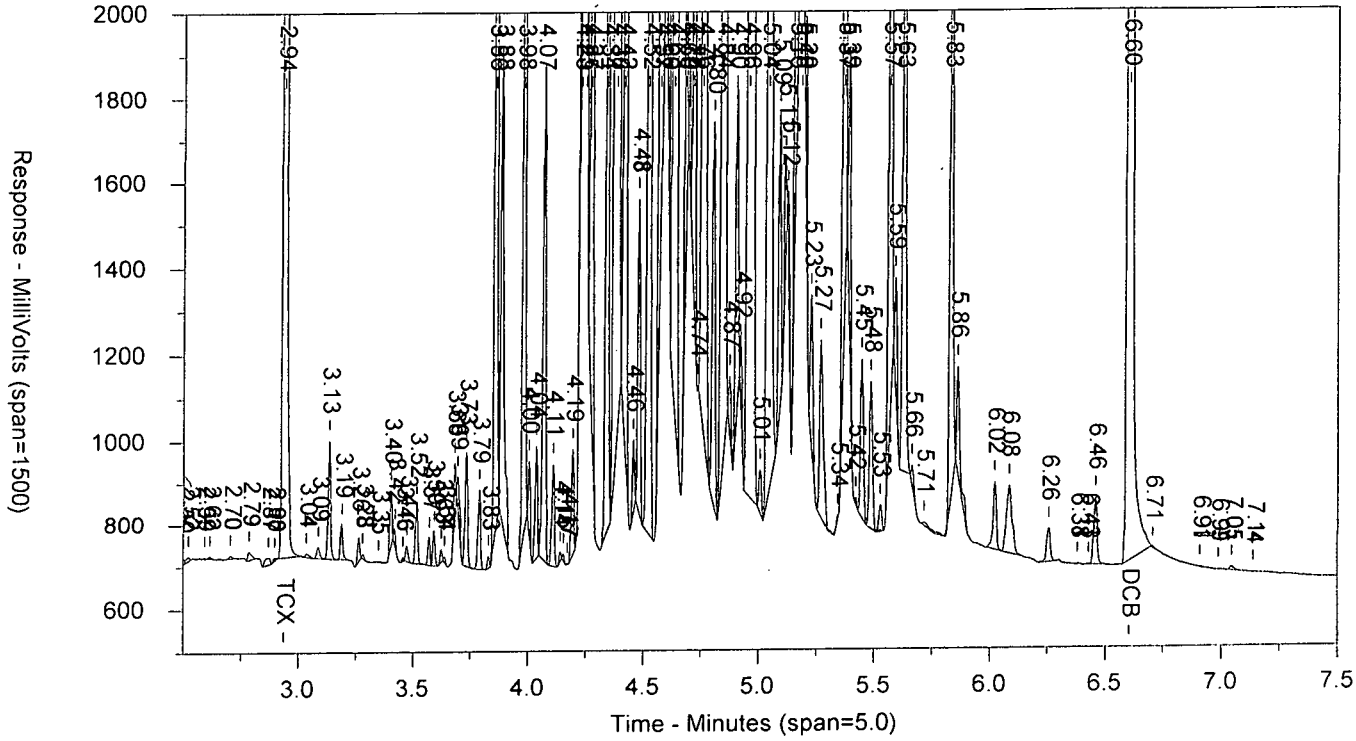


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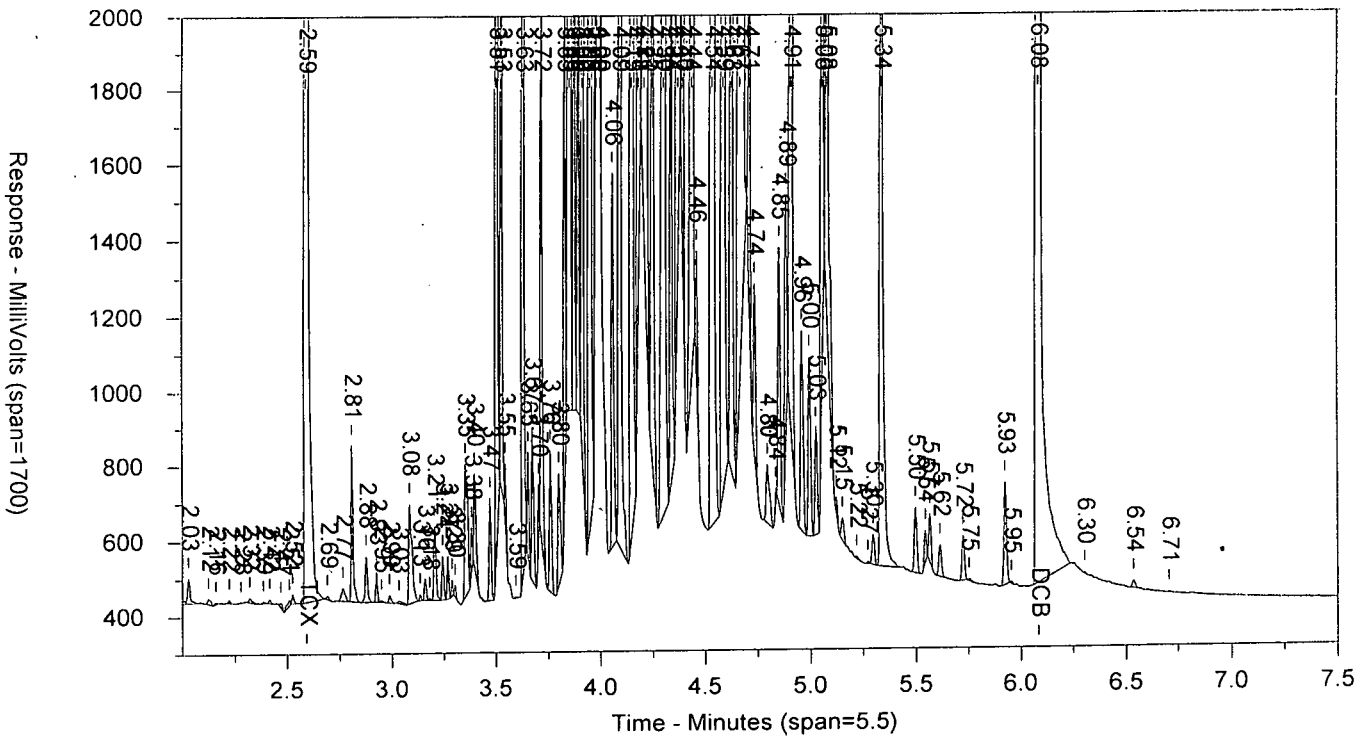


LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.514 | | 1951 | 1190 |
| 1.612 | | 14027 | 79781 |
| 1.717 | | 1942 | 829 |
| 2.002 | | 29563 | 75888 |
| 2.055 | | 27604 | 52817 |
| 2.087 | | 11920 | 12174 |
| 2.165 | | 5211 | 5768 |
| 2.224 | | 1497 | 2751 |
| 2.276 | | 18258 | 13891 |
| 2.333 | | 22116 | 14731 |
| 2.523 | | 22510 | 68443 |
| 2.593 | | 9409 | 8230 |
| 2.684 | | 2956 | 1559 |
| 2.849 | | 14049 | 5836 |
| 2.867 | | 17163 | 21071 |
| 2.911 | TCX | 17455 | 29426 |
| 3.086 | | 4627 | 3917 |
| 3.169 | | 5769 | 3318 |
| 3.189 | | 29396 | 19727 |
| 3.283 | | 8411 | 26834 |
| 3.402 | | 37040 | 21420 |
| 3.419 | | 17091 | 8868 |
| 3.456 | | 3683 | 1909 |
| 3.517 | | 44124 | 32322 |
| 3.599 | | 12141 | 11611 |
| 3.626 | | 8848 | 5282 |
| 3.683 | | 19266 | 10567 |
| 3.694 | | 44701 | 20587 |
| 3.731 | | 58063 | 39260 |
| 3.789 | | 44907 | 31939 |
| 3.819 | | 19538 | 15148 |
| 3.858 | | 55651 | 37428 |
| 3.885 | | 51486 | 56550 |
| 3.926 | | 12890 | 15851 |
| 3.982 | | 54208 | 45493 |
| 4.005 | | 6483 | 3323 |
| 4.036 | | 11932 | 7631 |
| 4.07 | | 38877 | 40468 |
| 4.109 | | 10786 | 8048 |
| 4.138 | | 1265 | 443 |
| 4.155 | | 1885 | 984 |
| 4.172 | | 9273 | 6453 |
| 4.193 | | 6283 | 3370 |
| 4.229 | | 299968 | 220742 |
| 4.248 | | 34381 | 18111 |
| 4.271 | | 49531 | 42771 |
| 4.341 | | 9790 | 6562 |
| 4.357 | | 84537 | 52812 |
| 4.383 | | 385099 | 324021 |
| 4.417 | | 33005 | 22516 |
| 4.459 | | 25459 | 17888 |
| 4.486 | | 74466 | 64157 |
| 4.52 | | 58515 | 51398 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.572 | | 22150 | 13044 |
| 4.589 | | 259616 | 208833 |
| 4.633 | | 196781 | 170888 |
| 4.681 | | 1200200 | 1248773 |
| 4.719 | | 188117 | 137230 |
| 4.758 | | 1802269 | 1660508 |
| 4.8 | | 10099 | 8924 |
| 4.844 | | 113303 | 118504 |
| 4.876 | | 6432 | 3855 |
| 4.905 | | 218073 | 217582 |
| 4.956 | | 1742058 | 1880766 |
| 5.007 | | 779537 | 745378 |
| 5.047 | | 547669 | 467030 |
| 5.065 | | 67631 | 33858 |
| 5.088 | | 113192 | 81222 |
| 5.127 | | 84280 | 71448 |
| 5.161 | | 1659551 | 1554455 |
| 5.205 | | 15796 | 9820 |
| 5.228 | | 3014307 | 2769691 |
| 5.27 | | 1271463 | 1230416 |
| 5.317 | | 8955 | 9600 |
| 5.363 | | 519137 | 400159 |
| 5.389 | | 2151775 | 2193550 |
| 5.446 | | 962596 | 878202 |
| 5.485 | | 410139 | 514148 |
| 5.53 | | 118474 | 130877 |
| 5.572 | | 505886 | 506587 |
| 5.627 | | 5726489 | 6729649 |
| 5.831 | | 4444809 | 4251803 |
| 5.886 | | 2239287 | 3418552 |
| 5.95 | | 8878 | 8530 |
| 6.021 | | 250789 | 240939 |
| 6.101 | | 1020615 | 1247488 |
| 6.256 | | 2235731 | 2230635 |
| 6.3 | | 130548 | 119135 |
| 6.456 | | 769686 | 797503 |
| 6.601 | DCB | 17615 | 18031 |
| 6.661 | | 2301 | 1497 |
| 6.751 | | 2318 | 2995 |
| 6.864 | | 1517 | 431 |
| 6.993 | | 2435 | 2472 |
| 7.122 | | 1763 | 1052 |
| 7.266 | | 1440 | 729 |
| 7.283 | | 1449 | 525 |
| 7.345 | | 1322 | 501 |
| 7.391 | | 1258 | 476 |
| 7.754 | | 1415 | 389 |
| 7.879 | | 1100 | 408 |
| 7.971 | | 1998 | 765 |
| 7.989 | | 1798 | 434 |
| 8.057 | | 1573 | 797 |
| 8.182 | | 1415 | 354 |
| 8.235 | | 2161 | 419 |
| 8.446 | | 1891 | 524 |
| 8.562 | | 1313 | 458 |
| 8.626 | | 1659 | 403 |

LANCASTER LABORATORIES

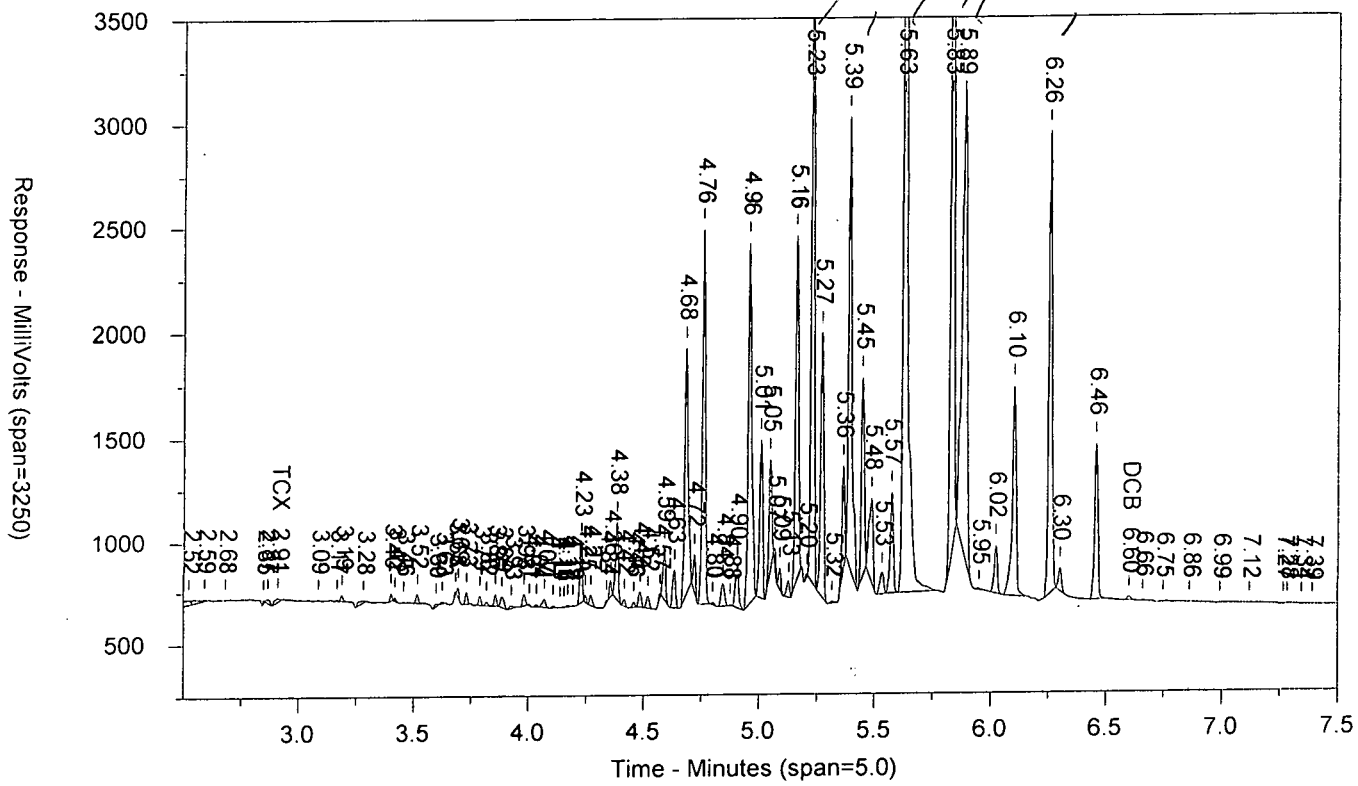
Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 2846 | 2493 |
| 1.608 | | 2541 | 1929 |
| 1.75 | | 3928 | 4139 |
| 1.797 | | 5330 | 4531 |
| 1.856 | | 2851 | 3925 |
| 1.899 | | 33706 | 24767 |
| 1.97 | | 7669 | 11666 |
| 2.05 | | 29127 | 21786 |
| 2.123 | | 5233 | 7111 |
| 2.156 | | 8497 | 13609 |
| 2.223 | | 2845 | 1667 |
| 2.298 | | 2410 | 1885 |
| 2.321 | | 11404 | 10763 |
| 2.389 | | 4869 | 4173 |
| 2.485 | | 11144 | 4114 |
| 2.507 | | 10381 | 9941 |
| 2.525 | | 6801 | 4239 |
| 2.598 | TCX | 2940 | 2684 |
| 2.622 | | 12530 | 9490 |
| 2.763 | | 5700 | 3016 |
| 2.799 | | 4528 | 3631 |
| 2.824 | | 8715 | 5896 |
| 2.876 | | 47035 | 29547 |
| 2.901 | | 11156 | 6657 |
| 2.962 | | 7629 | 5109 |
| 2.987 | | 6005 | 3918 |
| 3.084 | | 78551 | 84292 |
| 3.135 | | 6654 | 3196 |
| 3.16 | | 5189 | 5185 |
| 3.205 | | 67247 | 45709 |
| 3.244 | | 5453 | 4736 |
| 3.288 | | 15844 | 7822 |
| 3.304 | | 15179 | 11346 |
| 3.354 | | 32356 | 15845 |
| 3.363 | | 56625 | 23795 |
| 3.396 | | 69741 | 60345 |
| 3.47 | | 66067 | 48827 |
| 3.506 | | 69019 | 35910 |
| 3.529 | | 60559 | 43208 |
| 3.559 | | 24561 | 15999 |
| 3.59 | | 24798 | 17095 |
| 3.631 | | 71610 | 44489 |
| 3.653 | | 37566 | 20131 |
| 3.675 | | 14382 | 7165 |
| 3.703 | | 17023 | 11628 |
| 3.72 | | 44900 | 27145 |
| 3.76 | | 17852 | 12571 |
| 3.802 | | 18996 | 15587 |
| 3.832 | | 15743 | 9464 |
| 3.853 | | 498838 | 325624 |
| 3.878 | | 49684 | 27974 |
| 3.896 | | 11113 | 5211 |
| 3.916 | | 66266 | 42000 |
| 3.951 | | 536196 | 375400 |

| | | | |
|---|---|---|---|
| 3.984 | | 56101 | 34295 |
| 4.01 | | 178079 | 130721 |
| 4.048 | | 123010 | 112591 |
| 4.094 | | 40400 | 41689 |
| 4.151 | | 111228 | 76848 |
| 4.193 | | 401534 | 256318 |
| 4.225 | | 1628658 | 1190102 |
| 4.252 | | 410490 | 407189 |
| 4.302 | | 2703765 | 2043944 |
| 4.347 | | 16534 | 16150 |
| 4.372 | | 82075 | 53872 |
| 4.396 | | 402010 | 300771 |
| 4.439 | | 3175440 | 2479574 |
| 4.54 | | 2836616 | 2513465 |
| 4.593 | | 490734 | 398497 |
| 4.633 | | 920776 | 750759 |
| 4.667 | | 1778856 | 1494627 |
| 4.7 | | 4263861 | 3292329 |
| 4.738 | | 2146303 | 1746576 |
| 4.836 | | 918112 | 760300 |
| 4.887 | | 4179563 | 3574648 |
| 4.96 | | 1588717 | 1583607 |
| 4.997 | | 543725 | 419444 |
| 5.027 | | 500305 | 403201 |
| 5.081 | | 8347245 | 7175126 |
| 5.123 | | 103679 | 74775 |
| 5.154 | | 544791 | 454618 |
| 5.273 | | 156202 | 99776 |
| 5.297 | | 3398717 | 2800485 |
| 5.345 | | 5507533 | 5743700 |
| 5.498 | | 288591 | 243904 |
| 5.546 | | 30177 | 21605 |
| 5.567 | | 174730 | 133165 |
| 5.616 | | 1337463 | 1182372 |
| 5.725 | | 3235845 | 2760191 |
| 5.756 | | 151610 | 102042 |
| 5.924 | | 1334778 | 1282168 |
| 6.083 | DCB | 38644 | 38057 |
| 6.257 | | 5054 | 5075 |
| 8.161 | | 9746 | 16684 |
| 8.637 | | 1240 | 1372 |

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0025.RAW

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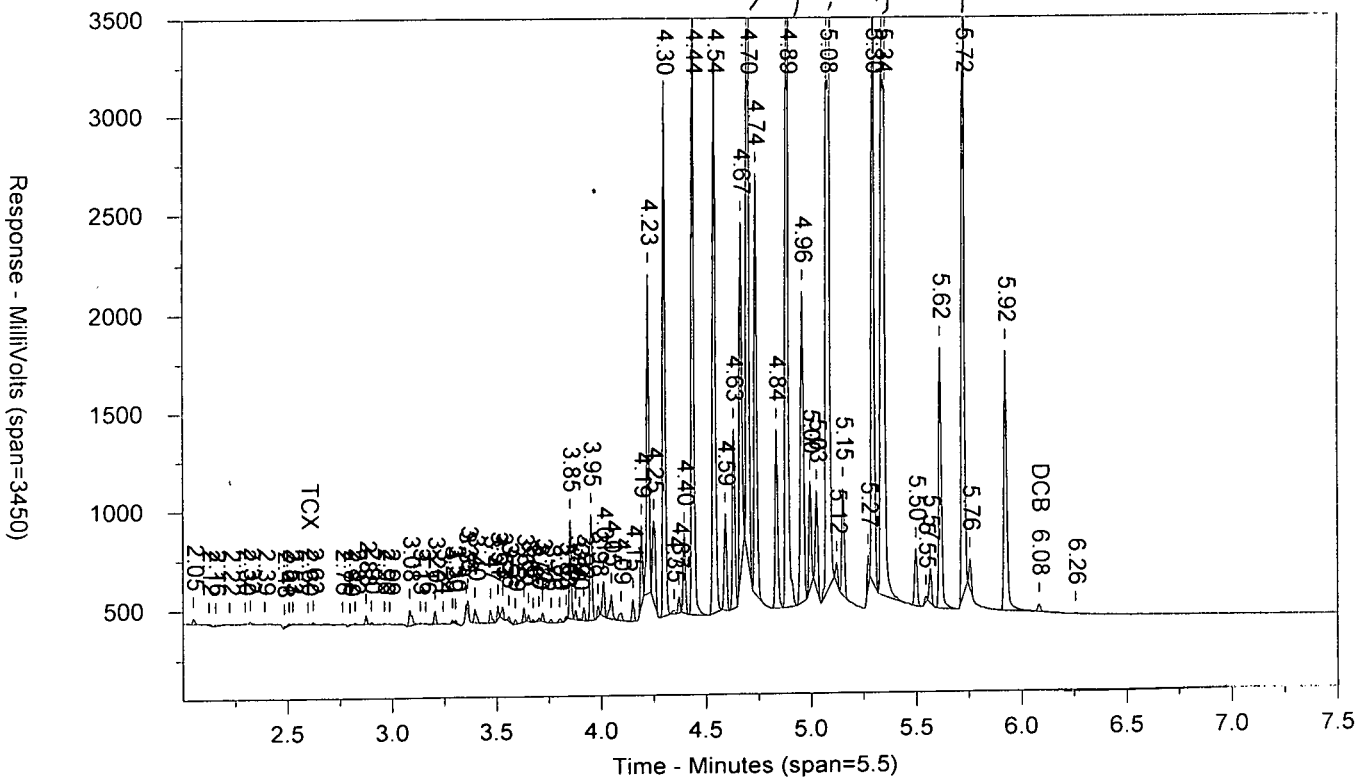

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.911 | 17455 | .064 | TCX | 2.598 | 2940 | .007 | TCX |
| 6.601 | 17615 | .087 | DCB | 6.083 | 38644 | .102 | DCB |

Files:
Area File: 07PCBS17284001.0025.RAW
Area File: 07PCBS17284001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:46:09 PM
File Reported On: 10/11/2017 at 11:46:21 PM

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

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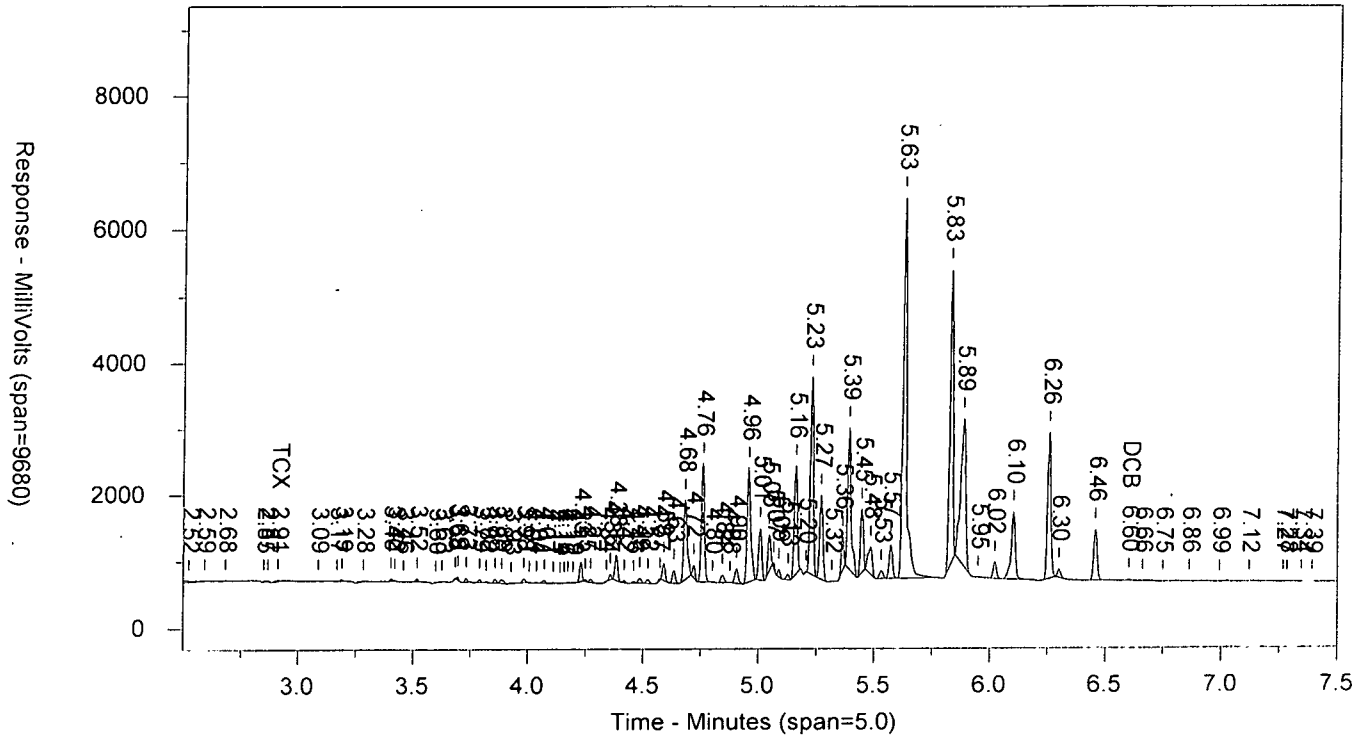


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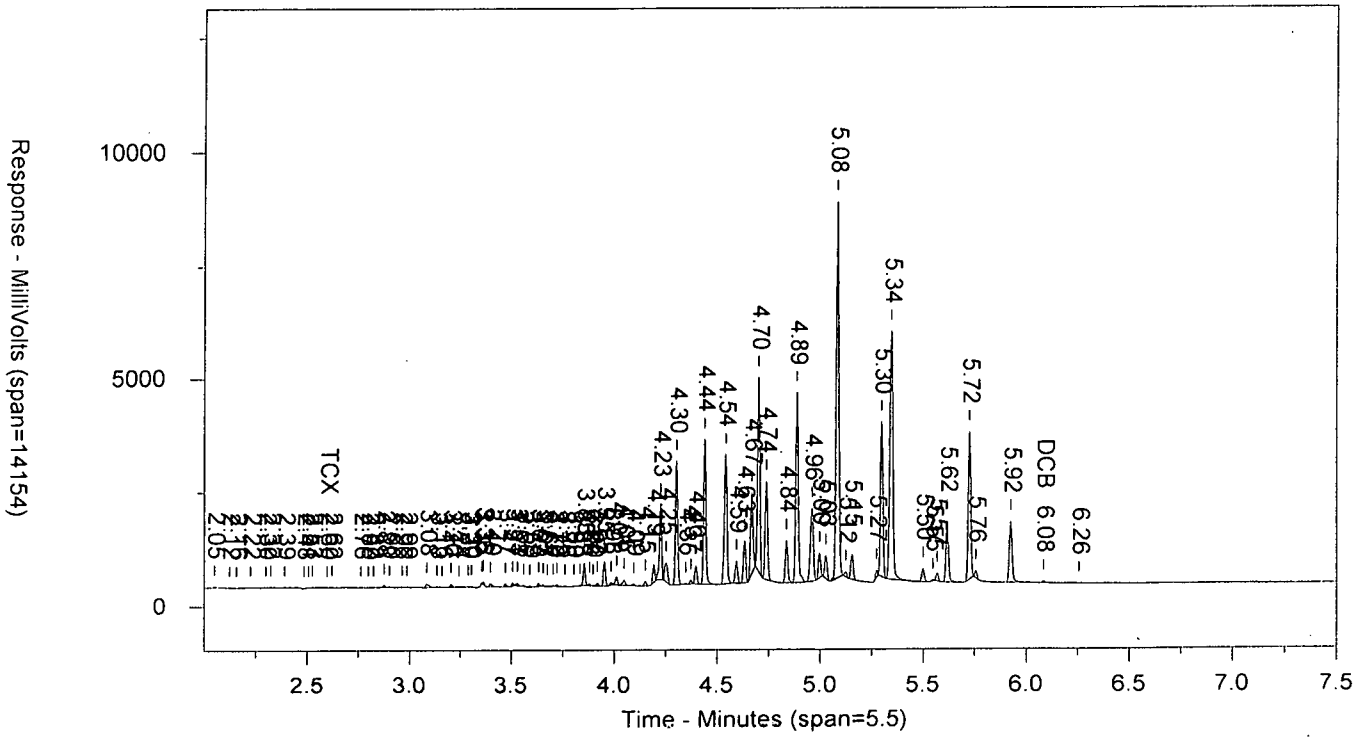

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

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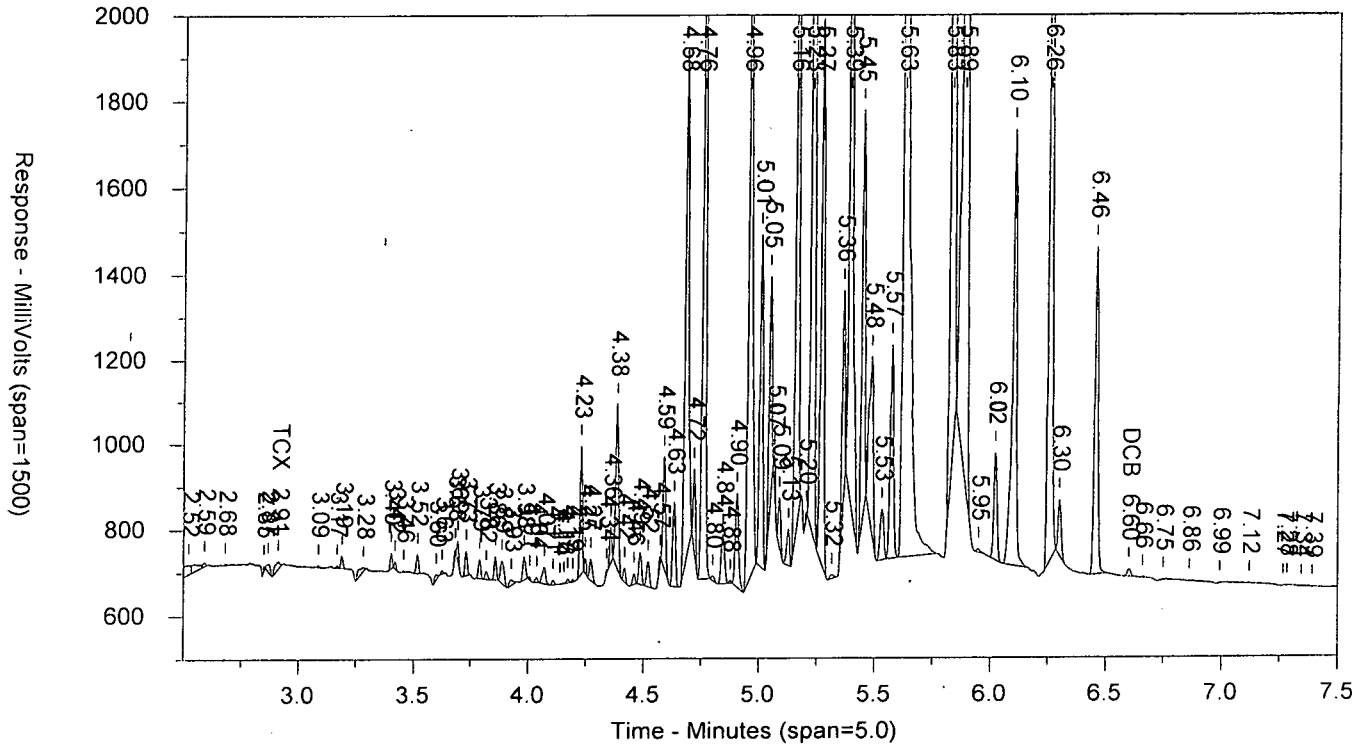


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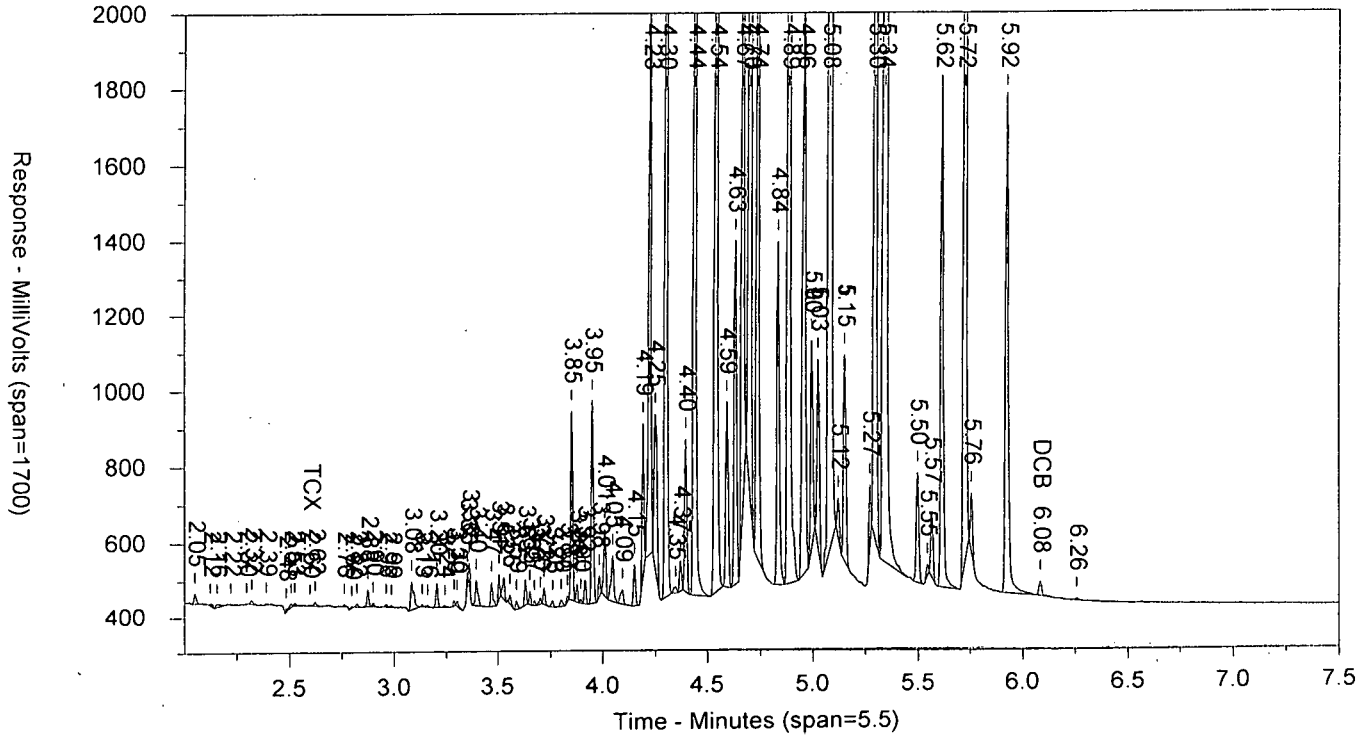


LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.515 | | 1882 | 1541 |
| 1.576 | | 24556 | 23266 |
| 1.613 | | 6282 | 21536 |
| 1.749 | | 1653 | 1919 |
| 1.809 | | 4231 | 4030 |
| 1.886 | | 1564 | 579 |
| 2.05 | | 27260 | 41692 |
| 2.091 | | 32224 | 45603 |
| 2.129 | | 31604 | 47769 |
| 2.177 | | 7061 | 17650 |
| 2.229 | | 5171 | 3664 |
| 2.251 | | 2464 | 1161 |
| 2.333 | | 43816 | 29237 |
| 2.367 | | 2869 | 2469 |
| 2.429 | | 5533 | 5323 |
| 2.523 | | 13534 | 37580 |
| 2.548 | | 3537 | 4266 |
| 2.615 | | 6914 | 5020 |
| 2.71 | | 5338 | 3761 |
| 2.795 | | 11592 | 14400 |
| 2.829 | | 20004 | 22954 |
| 2.849 | | 24244 | 10817 |
| 2.873 | | 13170 | 13593 |
| 2.906 | | 3463 | 6544 |
| 2.965 | TCX | 4987 | 3339 |
| 3.126 | | 4330 | 3297 |
| 3.19 | | 2480 | 1015 |
| 3.278 | | 12576 | 25603 |
| 3.402 | | 8034 | 4305 |
| 3.515 | | 7396 | 5132 |
| 3.602 | | 6016 | 6443 |
| 3.625 | | 2559 | 1206 |
| 3.68 | | 9415 | 4448 |
| 3.693 | | 10122 | 5203 |
| 3.729 | | 14086 | 11154 |
| 3.769 | | 1475 | 382 |
| 3.789 | | 11234 | 9023 |
| 3.831 | | 2234 | 902 |
| 3.856 | | 14536 | 10628 |
| 3.885 | | 15375 | 16603 |
| 3.924 | | 7311 | 7481 |
| 3.941 | | 948 | 172 |
| 3.98 | | 17931 | 12009 |
| 4.002 | | 5482 | 3349 |
| 4.036 | | 7447 | 5173 |
| 4.069 | | 19679 | 19275 |
| 4.109 | | 6245 | 3956 |
| 4.137 | | 1585 | 760 |
| 4.172 | | 8716 | 6594 |
| 4.197 | | 1456 | 893 |
| 4.225 | | 25423 | 19665 |
| 4.248 | | 31599 | 19593 |
| 4.27 | | 35534 | 33770 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.33 | | 2912 | 5060 |
| 4.374 | | 23660 | 19207 |
| 4.394 | | 9849 | 5604 |
| 4.414 | | 3643 | 2342 |
| 4.473 | | 2067 | 1566 |
| 4.518 | | 15758 | 14134 |
| 4.567 | | 15820 | 13349 |
| 4.603 | | 13440 | 14429 |
| 4.632 | | 17593 | 15919 |
| 4.68 | | 9892 | 8147 |
| 4.713 | | 11235 | 10525 |
| 4.758 | | 8406 | 7252 |
| 4.801 | | 7007 | 5868 |
| 4.842 | | 17079 | 16721 |
| 4.878 | | 8581 | 7051 |
| 4.901 | | 4011 | 2225 |
| 4.956 | | 26737 | 30280 |
| 5.006 | | 72468 | 65529 |
| 5.041 | | 17548 | 15758 |
| 5.123 | | 3899 | 3467 |
| 5.158 | | 42909 | 40379 |
| 5.226 | | 1139436 | 1120210 |
| 5.268 | | 90984 | 84597 |
| 5.314 | | 3923 | 5017 |
| 5.333 | | 1476 | 710 |
| 5.361 | | 54101 | 42722 |
| 5.407 | | 1409856 | 1438638 |
| 5.441 | | 3917 | 2061 |
| 5.471 | | 439217 | 443596 |
| 5.531 | | 35606 | 36635 |
| 5.569 | | 12627 | 12922 |
| 5.625 | | 593738 | 506834 |
| 5.648 | | 363731 | 270219 |
| 5.728 | | 7981 | 7802 |
| 5.829 | | 8615493 | 8147620 |
| 5.886 | | 7592281 | 8011217 |
| 6.019 | | 6717220 | 6624056 |
| 6.083 | | 1677155 | 1857181 |
| 6.189 | | 8412 | 9072 |
| 6.253 | | 2448046 | 2400037 |
| 6.33 | | 8135 | 8022 |
| 6.39 | | 1384 | 610 |
| 6.454 | | 17458820 | 16822140 |
| 6.6 | DCB | 2988613 | 3057140 |
| 6.663 | | 6989 | 5405 |
| 6.739 | | 2046 | 1115 |
| 6.909 | | 6454 | 5560 |
| 6.998 | | 1809 | 1678 |
| 7.022 | | 1766 | 516 |
| 7.06 | | 1524 | 319 |
| 7.377 | | 1622 | 404 |
| 7.417 | | 1907 | 1043 |
| 7.566 | | 1519 | 411 |
| 7.698 | | 1281 | 567 |
| 7.778 | | 1059 | 998 |
| 7.949 | | 1318 | 409 |
| 8.156 | | 1446 | 496 |
| 8.194 | | 1170 | 568 |
| 8.335 | | 1405 | 541 |
| 8.355 | | 1168 | 320 |
| 8.39 | | 1109 | 886 |
| 8.533 | | 1589 | 439 |
| 8.554 | | 2355 | 1723 |

LANCASTER LABORATORIES

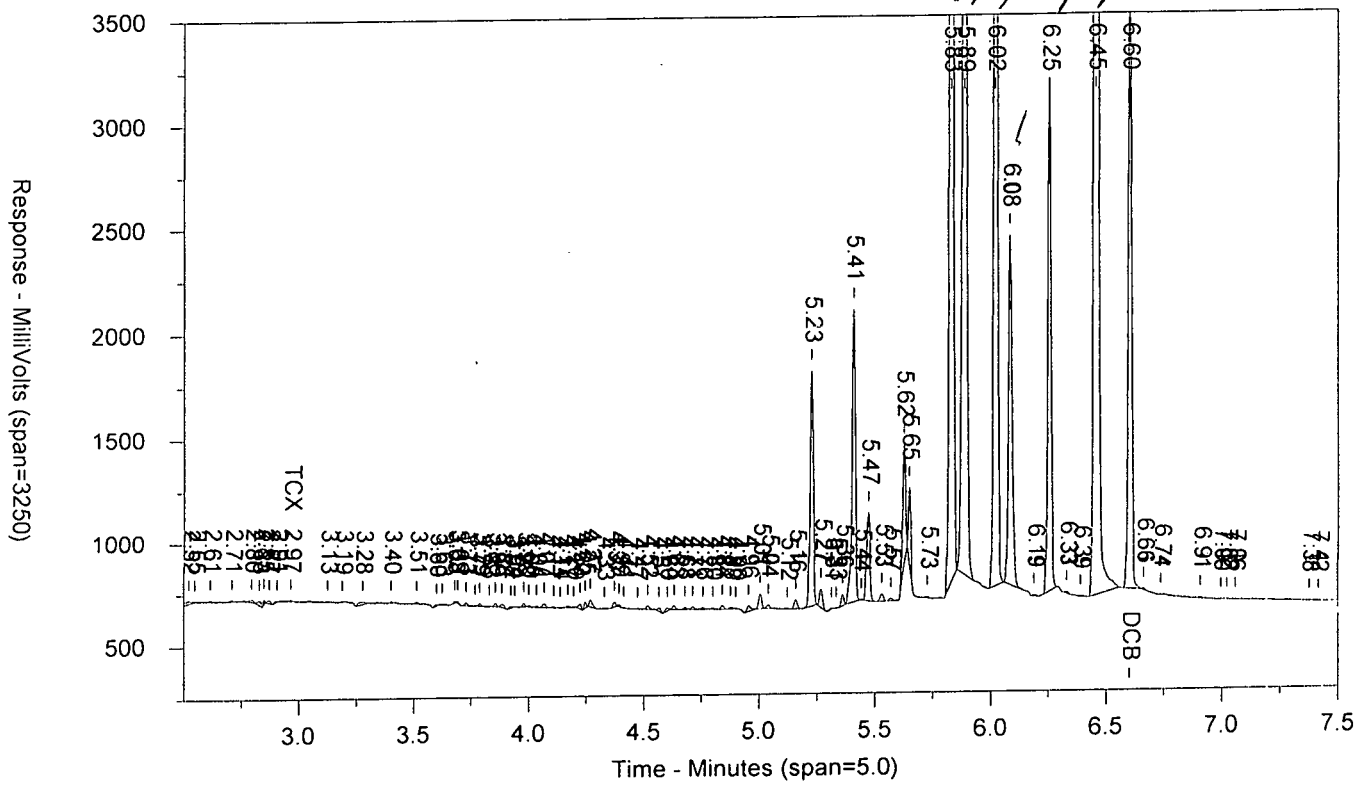
Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.505 | | 3672 | 1762 |
| 1.534 | | 3556 | 4727 |
| 1.609 | | 7048 | 6084 |
| 1.701 | | 16573 | 25047 |
| 1.714 | | 25418 | 32630 |
| 1.772 | | 24247 | 57501 |
| 1.795 | | 21718 | 25085 |
| 1.818 | | 27799 | 95086 |
| 1.899 | | 82952 | 69463 |
| 1.921 | | 23345 | 35791 |
| 1.967 | | 19512 | 41735 |
| 2.023 | | 15344 | 17803 |
| 2.084 | | 2207 | 1528 |
| 2.125 | | 13818 | 13557 |
| 2.157 | | 5645 | 5781 |
| 2.182 | | 3629 | 2566 |
| 2.223 | | 10902 | 10277 |
| 2.321 | | 18065 | 31887 |
| 2.386 | | 7417 | 15605 |
| 2.415 | | 10489 | 6903 |
| 2.484 | | 21557 | 8098 |
| 2.51 | | 11394 | 10914 |
| 2.525 | | 4839 | 2892 |
| 2.601 | TCX | 9820 | 7508 |
| 2.69 | | 10148 | 9459 |
| 2.778 | | 9326 | 5697 |
| 2.814 | | 574 | 2702 |
| 2.875 | | 8032 | 10235 |
| 2.9 | | 2677 | 2720 |
| 2.948 | | 6427 | 8152 |
| 3.033 | | 8132 | 15195 |
| 3.083 | | 18945 | 17606 |
| 3.114 | | 4258 | 3817 |
| 3.162 | | 5031 | 5917 |
| 3.205 | | 14817 | 14176 |
| 3.256 | | 2281 | 859 |
| 3.271 | | 2100 | 1079 |
| 3.289 | | 2262 | 1177 |
| 3.306 | | 12043 | 10506 |
| 3.353 | | 11446 | 5361 |
| 3.363 | | 14097 | 5544 |
| 3.397 | | 17454 | 12756 |
| 3.47 | | 20458 | 15178 |
| 3.505 | | 22993 | 15060 |
| 3.529 | | 24643 | 13502 |
| 3.545 | | 6207 | 2980 |
| 3.567 | | 5398 | 4426 |
| 3.604 | | 4547 | 7252 |
| 3.631 | | 30322 | 18841 |
| 3.653 | | 10180 | 5479 |
| 3.675 | | 5729 | 2981 |
| 3.702 | | 3917 | 2342 |
| 3.719 | | 23905 | 13724 |
| 3.76 | | 10199 | 7106 |

| | | | |
|---|---|---|---|
| 3.809 | | 5118 | 3832 |
| 3.83 | | 12581 | 7630 |
| 3.853 | | 49066 | 30515 |
| 3.876 | | 40025 | 23637 |
| 3.915 | | 16585 | 13277 |
| 3.951 | | 11940 | 7519 |
| 3.985 | | 36578 | 26888 |
| 4.012 | | 17830 | 10396 |
| 4.047 | | 15599 | 14509 |
| 4.083 | | 9212 | 7128 |
| 4.125 | | 2129 | 1332 |
| 4.15 | | 14315 | 9847 |
| 4.183 | | 8507 | 5913 |
| 4.21 | | 18965 | 10335 |
| 4.302 | | 20760 | 22051 |
| 4.341 | | 12513 | 10847 |
| 4.371 | | 16664 | 10233 |
| 4.392 | | 3850 | 2198 |
| 4.412 | | 15254 | 10001 |
| 4.438 | | 33416 | 28003 |
| 4.539 | | 133938 | 117826 |
| 4.588 | | 32499 | 26565 |
| 4.633 | | 63613 | 57316 |
| 4.667 | | 12322 | 8880 |
| 4.699 | | 1636443 | 1349644 |
| 4.737 | | 116002 | 86922 |
| 4.836 | | 85907 | 69417 |
| 4.885 | | 2208655 | 1906789 |
| 4.951 | | 602514 | 537841 |
| 5.012 | | 25228 | 17682 |
| 5.081 | | 970174 | 850393 |
| 5.153 | | 578198 | 500287 |
| 5.235 | | 5588 | 3587 |
| 5.273 | | 67564 | 39147 |
| 5.297 | | 9721103 | 8179456 |
| 5.345 | | 9160653 | 7998464 |
| 5.497 | | 8643405 | 7449420 |
| 5.566 | | 2243786 | 1874890 |
| 5.615 | | 190615 | 162280 |
| 5.723 | | 3620238 | 3263384 |
| 5.848 | | 16903 | 17566 |
| 5.924 | | 28385350 | 25360920 |
| 6.082 | DCB | 5626879 | 5140351 |
| 6.242 | | 3380 | 1438 |
| 6.257 | | 13744 | 11724 |
| 6.42 | | 17163 | 17425 |
| 7.024 | | 3219 | 5513 |
| 7.637 | | 1561 | 2666 |
| 8.078 | | 1602 | 2975 |
| 8.161 | | 10657 | 19189 |
| 8.421 | | 1225 | 1146 |

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0026.RAW

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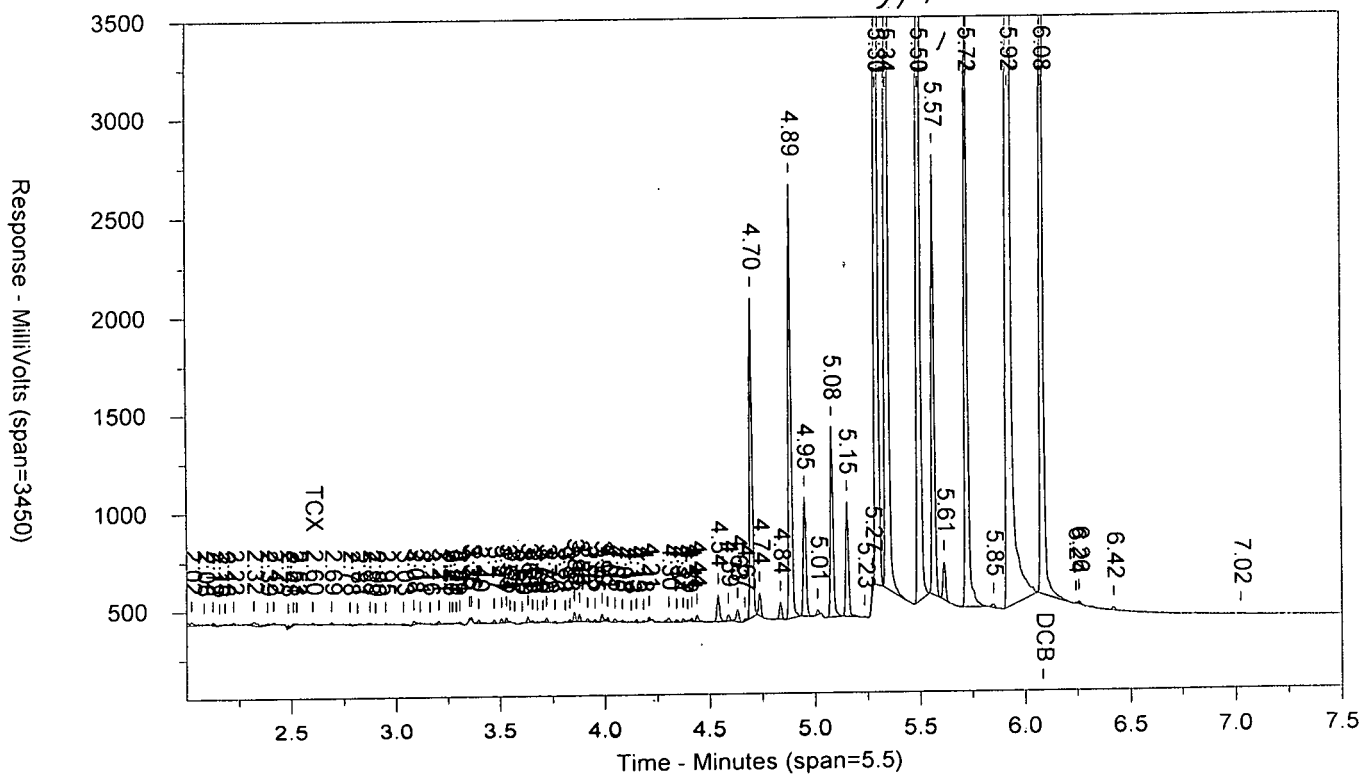

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.965 | 4987 | .018 | TCX | 2.601 | 9820 | .024 | TCX |
| 6.6 | 2988613 | 14.811 | DCB | 6.082 | 5626879 | 14.864 | DCB |

Files:
Area File: 07PCBS17284001.0026.RAW
Area File: 07PCBS17284001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:57:37 PM
File Reported On: 10/11/2017 at 11:57:45 PM

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

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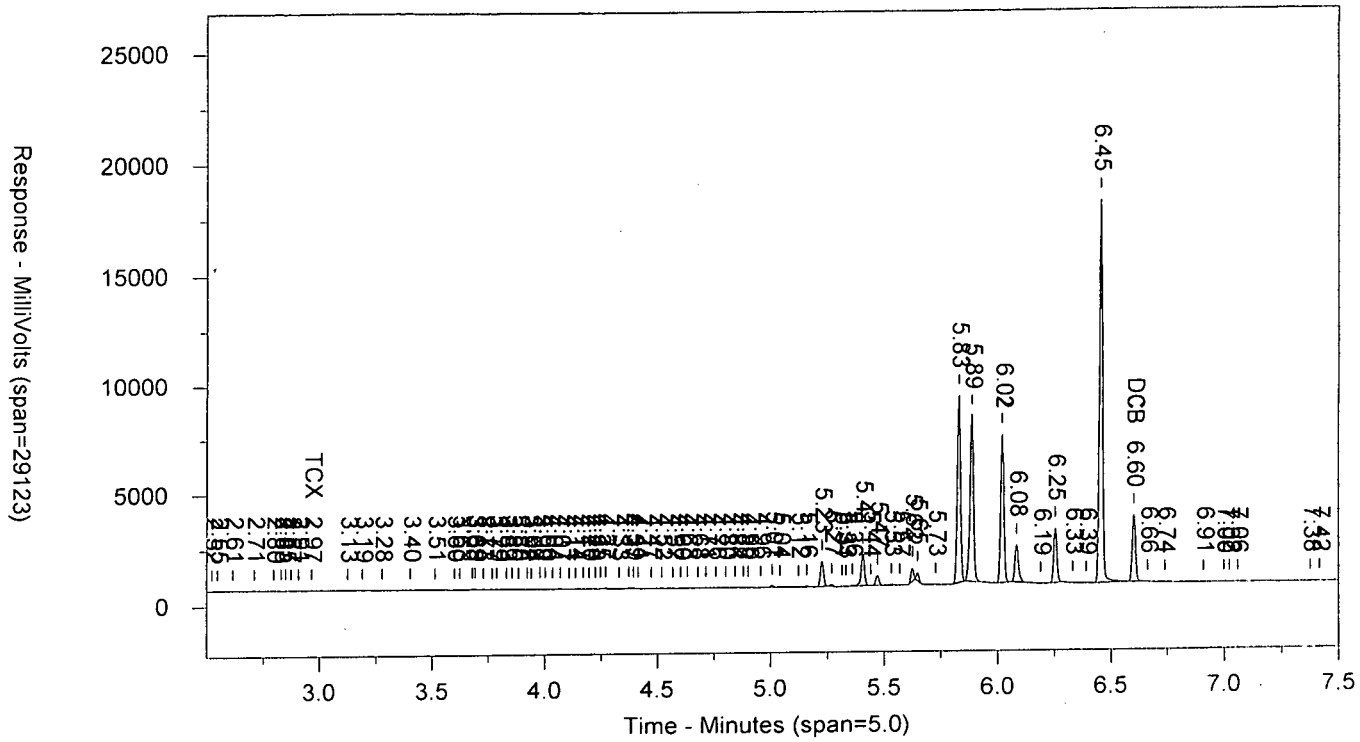


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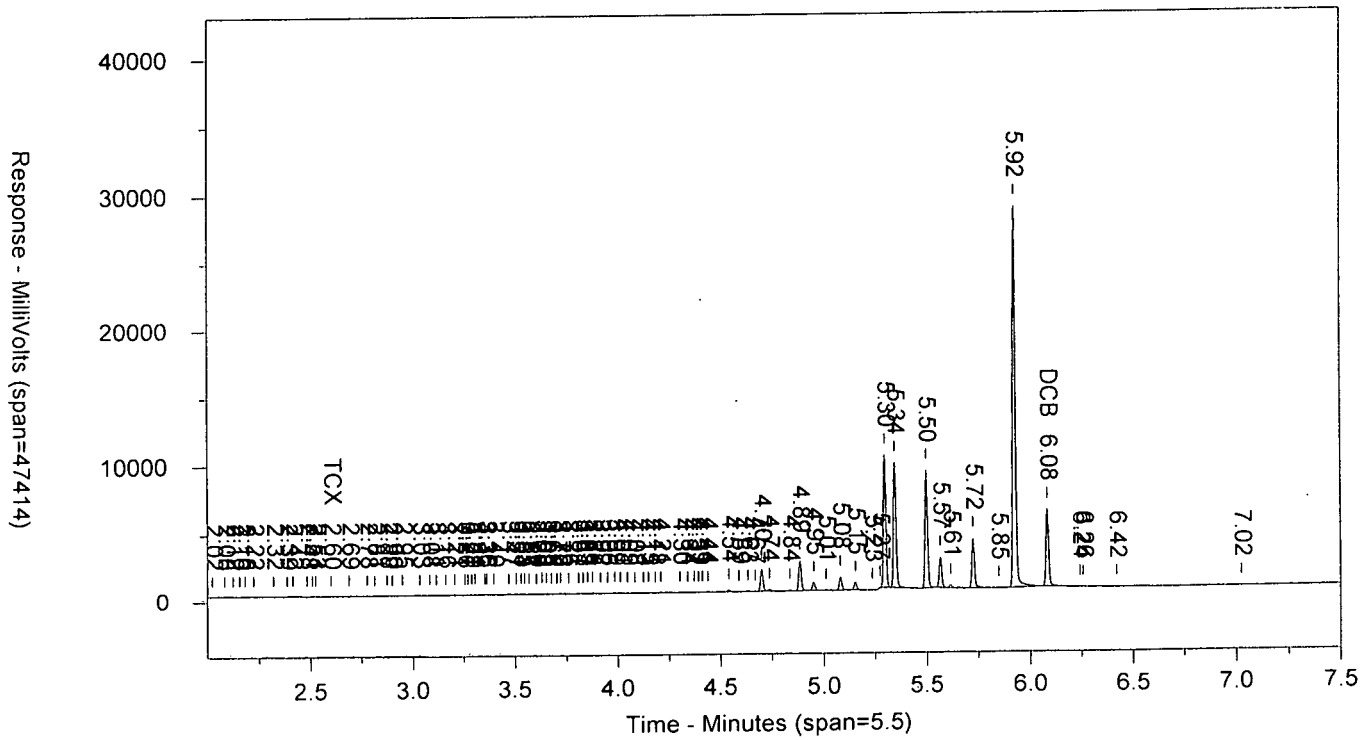

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

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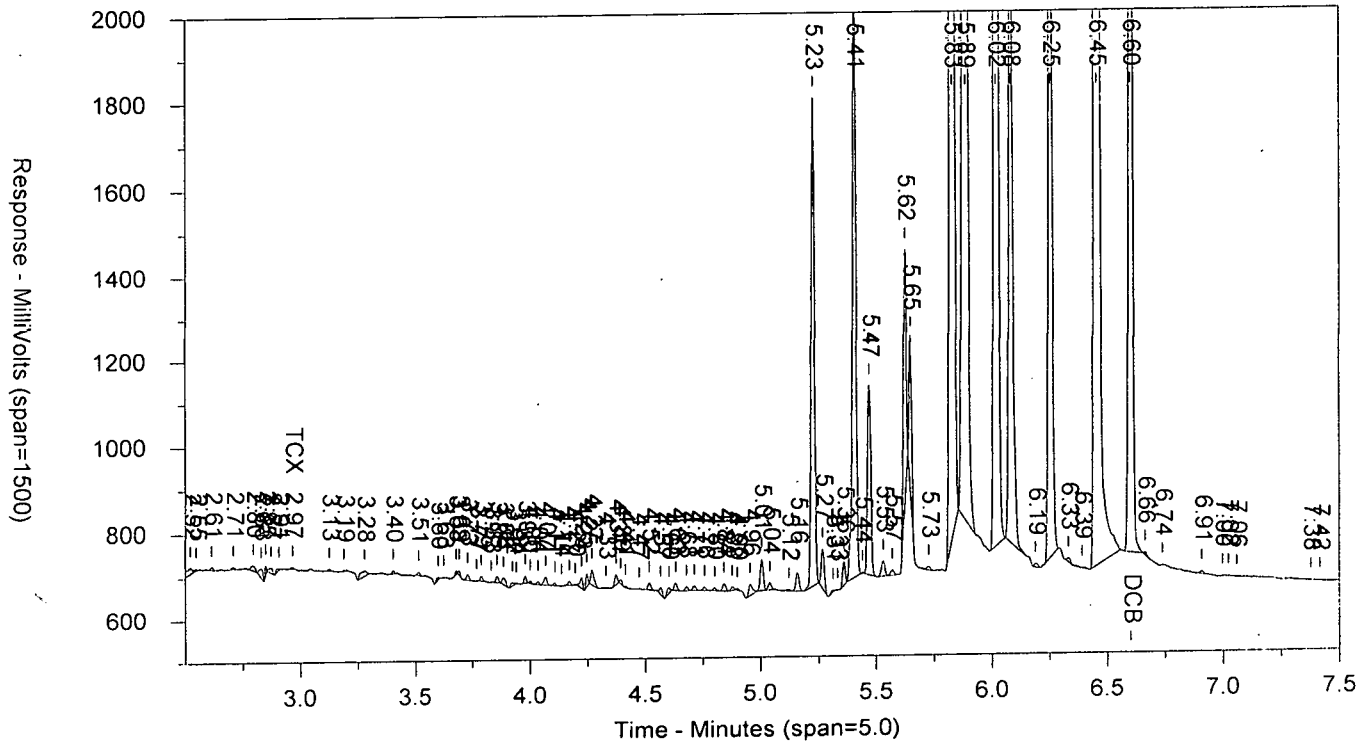


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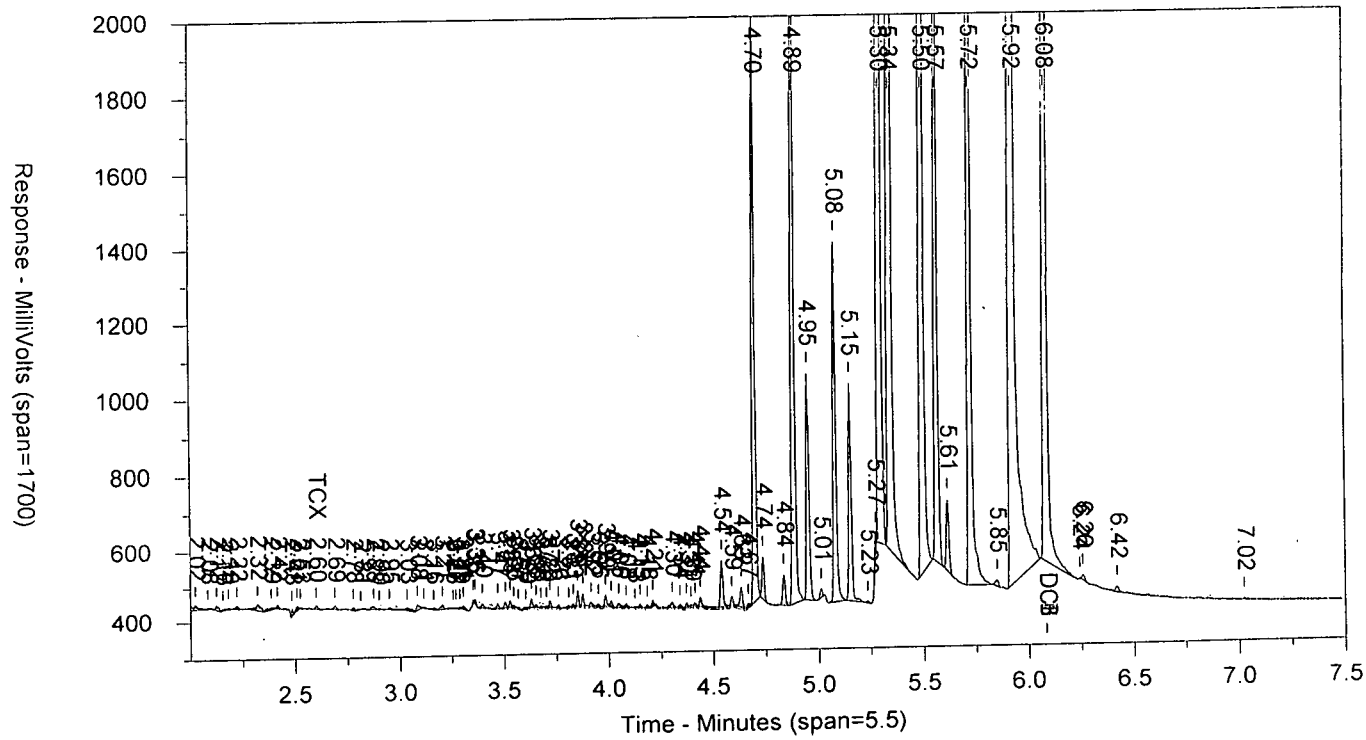


LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.579 | | 30172 | 34483 |
| 1.646 | | 3674 | 52984 |
| 1.74 | | 2001 | 2223 |
| 1.786 | | 2056 | 2242 |
| 1.878 | | 1603 | 894 |
| 2.008 | | 25726 | 60482 |
| 2.054 | | 19720 | 31023 |
| 2.09 | | 4872 | 6969 |
| 2.172 | | 3444 | 5139 |
| 2.234 | | 66628 | 56714 |
| 2.334 | | 13115 | 7644 |
| 2.499 | | 8427 | 11020 |
| 2.575 | | 333049 | 240077 |
| 2.711 | | 2711 | 1681 |
| 2.786 | | 5409 | 6981 |
| 2.85 | | 90102 | 58916 |
| 2.9 | | 9360 | 7843 |
| 2.937 | TCX | 11542730 | 7627518 |
| 3.037 | | 4866 | 4023 |
| 3.086 | | 495885 | 405040 |
| 3.141 | | 434721 | 366135 |
| 3.188 | | 1345711 | 931153 |
| 3.264 | | 37850 | 24612 |
| 3.282 | | 8934 | 4849 |
| 3.403 | | 70642 | 39563 |
| 3.425 | | 43042 | 33777 |
| 3.456 | | 9982 | 4820 |
| 3.484 | | 184094 | 125966 |
| 3.517 | | 103008 | 71730 |
| 3.573 | | 47153 | 30031 |
| 3.597 | | 10700 | 7964 |
| 3.626 | | 26446 | 13854 |
| 3.64 | | 27670 | 13987 |
| 3.666 | | 8511 | 4472 |
| 3.683 | | 36418 | 19719 |
| 3.694 | | 101930 | 51017 |
| 3.731 | | 134324 | 100457 |
| 3.79 | | 89578 | 65446 |
| 3.833 | | 2165 | 1147 |
| 3.858 | | 41438 | 29477 |
| 3.885 | | 26620 | 29175 |
| 3.927 | | 5208 | 5594 |
| 3.944 | | 1310 | 452 |
| 3.981 | | 33516 | 24139 |
| 4.006 | | 8927 | 5627 |
| 4.037 | | 8148 | 5609 |
| 4.071 | | 52425 | 42545 |
| 4.109 | | 6549 | 4484 |
| 4.153 | | 1163 | 327 |
| 4.173 | | 9609 | 8385 |
| 4.195 | | 1861 | 1024 |
| 4.211 | | 1501 | 396 |
| 4.228 | | 55909 | 38009 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.249 | | 38629 | 23166 |
| 4.272 | | 38244 | 36579 |
| 4.324 | | 1389 | 973 |
| 4.342 | | 9985 | 7986 |
| 4.383 | | 65614 | 85428 |
| 4.418 | | 17906 | 11551 |
| 4.456 | | 9577 | 7651 |
| 4.485 | | 8625 | 8201 |
| 4.522 | | 20455 | 17101 |
| 4.571 | | 46930 | 36879 |
| 4.604 | | 21793 | 20333 |
| 4.634 | | 73401 | 62488 |
| 4.681 | | 10717 | 8426 |
| 4.698 | | 2114 | 827 |
| 4.717 | | 10551 | 8459 |
| 4.757 | | 25013 | 23265 |
| 4.807 | | 4241 | 3389 |
| 4.845 | | 38003 | 34100 |
| 4.879 | | 3043 | 1719 |
| 4.904 | | 12865 | 24459 |
| 4.959 | | 15245 | 11651 |
| 4.999 | | 6623 | 5997 |
| 5.044 | | 22014 | 22693 |
| 5.09 | | 2849 | 1786 |
| 5.123 | | 8695 | 8238 |
| 5.162 | | 32835 | 34713 |
| 5.202 | | 2145 | 1259 |
| 5.228 | | 4599 | 3561 |
| 5.27 | | 18219 | 25170 |
| 5.321 | | 4817 | 9098 |
| 5.342 | | 2500 | 1134 |
| 5.369 | | 7416 | 6339 |
| 5.39 | | 3749 | 1940 |
| 5.436 | | 1415 | 3289 |
| 5.446 | | 1969 | 1156 |
| 5.489 | | 2220 | 2931 |
| 5.527 | | 2706 | 1536 |
| 5.569 | | 4852 | 5287 |
| 5.592 | | 2247 | 682 |
| 5.651 | | 31988 | 41290 |
| 5.733 | | 4224 | 6392 |
| 5.831 | | 13276 | 12526 |
| 5.879 | | 2532 | 952 |
| 5.959 | | 10477 | 22935 |
| 6.021 | | 105434 | 106665 |
| 6.053 | | 1747 | 541 |
| 6.085 | | 95264 | 101873 |
| 6.19 | | 6508 | 6545 |
| 6.257 | | 9213 | 22821 |
| 6.378 | | 1352 | 560 |
| 6.456 | | 109682 | 102857 |
| 6.492 | | 2310 | 720 |
| 6.602 | DCB | 8409661 | 8286884 |
| 6.9 | | 1849 | 944 |
| 6.943 | | 1730 | 652 |
| 6.993 | | 1434 | 760 |
| 7.048 | | 5051 | 4993 |
| 7.214 | | 2115 | 1538 |
| 7.27 | | 1423 | 568 |
| 7.294 | | 2103 | 1282 |
| 7.401 | | 1505 | 376 |
| 7.494 | | 1848 | 664 |
| 7.626 | | 819 | 278 |
| 7.742 | | 1881 | 594 |
| 7.782 | | 1888 | 573 |
| 7.808 | | 1122 | 539 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.093 | | 1590 | 408 |
| 8.137 | | 1014 | 452 |
| 8.164 | | 1892 | 817 |
| 8.234 | | 1673 | 903 |
| 8.36 | | 1638 | 1118 |
| 8.468 | | 2010 | 715 |
| 8.507 | | 1284 | 647 |
| 8.572 | | 1742 | 896 |
| 8.676 | | 1538 | 391 |

LANCASTER LABORATORIES

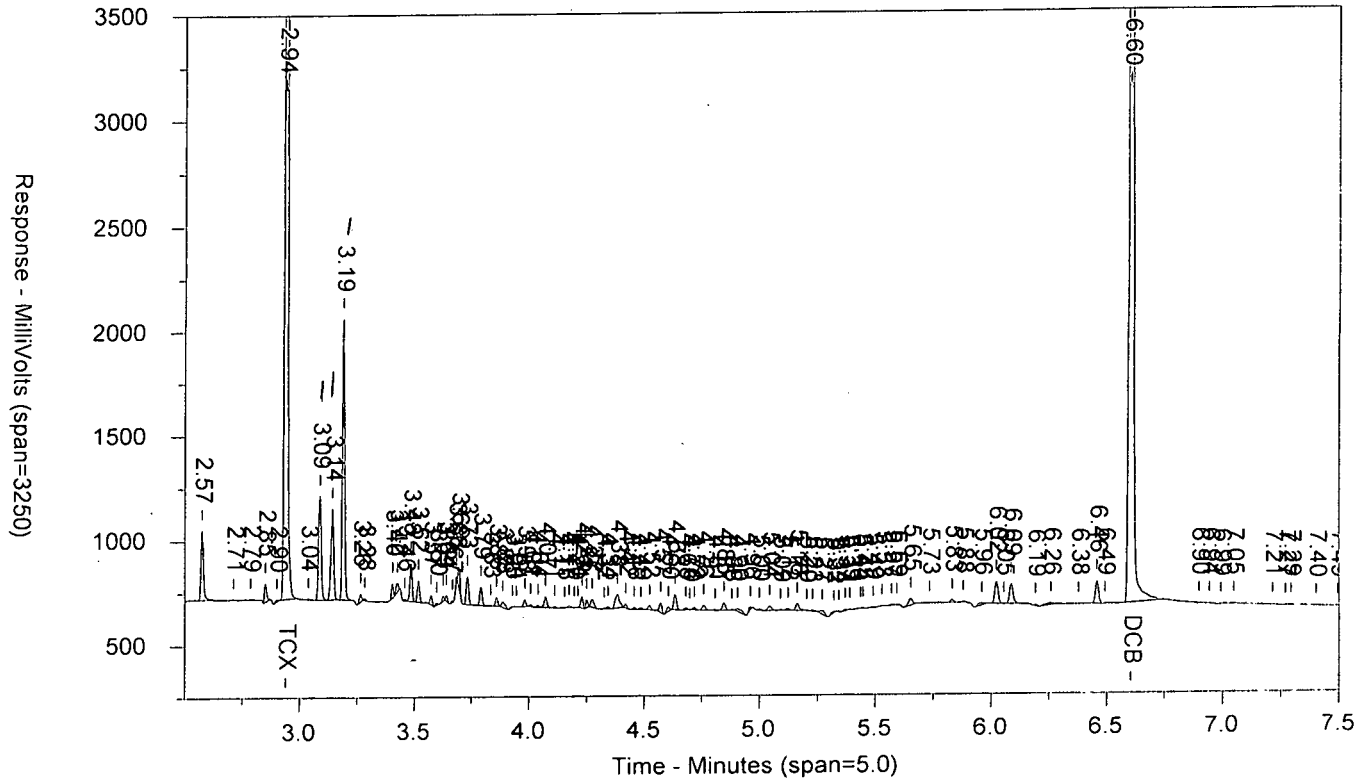
Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.532 | | 2966 | 2285 |
| 1.605 | | 2546 | 2296 |
| 1.711 | | 4964 | 7756 |
| 1.751 | | 4484 | 4354 |
| 1.796 | | 6639 | 6072 |
| 1.818 | | 5044 | 5058 |
| 1.903 | | 111038 | 99953 |
| 1.967 | | 17714 | 47210 |
| 2.03 | | 39197 | 37519 |
| 2.124 | | 8922 | 10012 |
| 2.157 | | 6306 | 6649 |
| 2.221 | | 5367 | 5359 |
| 2.276 | | 533888 | 409656 |
| 2.387 | | 5346 | 3664 |
| 2.417 | | 4784 | 3497 |
| 2.485 | | 15254 | 5715 |
| 2.506 | | 10492 | 11396 |
| 2.526 | | 5378 | 3096 |
| 2.548 | | 176222 | 114377 |
| 2.591 | TCX | 17843870 | 10980710 |
| 2.634 | | 154885 | 115610 |
| 2.69 | | 4793 | 3603 |
| 2.763 | | 838994 | 559753 |
| 2.809 | | 164233 | 75064 |
| 2.824 | | 522058 | 289740 |
| 2.876 | | 2017705 | 1284792 |
| 2.926 | | 47037 | 27701 |
| 2.987 | | 16692 | 10924 |
| 3.034 | | 2751 | 2479 |
| 3.062 | | 6804 | 2980 |
| 3.084 | | 83162 | 41901 |
| 3.095 | | 45023 | 53726 |
| 3.126 | | 75011 | 53369 |
| 3.156 | | 15019 | 9133 |
| 3.182 | | 252816 | 150428 |
| 3.206 | | 142004 | 86572 |
| 3.242 | | 12752 | 7004 |
| 3.27 | | 79223 | 42710 |
| 3.289 | | 42315 | 20414 |
| 3.304 | | 50372 | 25296 |
| 3.354 | | 51058 | 26658 |
| 3.363 | | 142744 | 63702 |
| 3.397 | | 157214 | 123023 |
| 3.47 | | 136559 | 88995 |
| 3.506 | | 63261 | 38633 |
| 3.529 | | 39311 | 21238 |
| 3.547 | | 9497 | 4541 |
| 3.597 | | 6253 | 4954 |
| 3.632 | | 55253 | 33983 |
| 3.654 | | 19854 | 10577 |
| 3.677 | | 8871 | 4147 |
| 3.704 | | 7079 | 4244 |
| 3.722 | | 65403 | 41938 |
| 3.761 | | 11755 | 7368 |

| | | | |
|---|---|---|---|
| 3.815 | | 7324 | 5764 |
| 3.832 | | 14241 | 7177 |
| 3.854 | | 116494 | 77061 |
| 3.878 | | 37716 | 21279 |
| 3.897 | | 8355 | 3766 |
| 3.918 | | 30973 | 19724 |
| 3.953 | | 76167 | 53281 |
| 3.985 | | 37039 | 21677 |
| 4.001 | | 14297 | 16575 |
| 4.048 | | 22719 | 21676 |
| 4.096 | | 14753 | 8686 |
| 4.125 | | 4213 | 3570 |
| 4.152 | | 56431 | 39391 |
| 4.186 | | 15869 | 12080 |
| 4.212 | | 99946 | 76830 |
| 4.251 | | 7466 | 7167 |
| 4.304 | | 47842 | 40925 |
| 4.34 | | 7797 | 8300 |
| 4.373 | | 40475 | 27927 |
| 4.396 | | 10162 | 5853 |
| 4.44 | | 35610 | 29077 |
| 4.494 | | 3091 | 2292 |
| 4.537 | | 23648 | 22620 |
| 4.59 | | 27569 | 23713 |
| 4.635 | | 17607 | 24989 |
| 4.669 | | 51512 | 47986 |
| 4.699 | | 2892 | 1326 |
| 4.736 | | 4088 | 3899 |
| 4.816 | | 3030 | 3362 |
| 4.889 | | 10459 | 7970 |
| 4.912 | | 11549 | 10558 |
| 4.964 | | 4835 | 6722 |
| 4.998 | | 2413 | 1455 |
| 5.031 | | 5115 | 4369 |
| 5.059 | | 3716 | 2265 |
| 5.083 | | 12027 | 11962 |
| 5.154 | | 22527 | 18512 |
| 5.195 | | 5972 | 8784 |
| 5.275 | | 6182 | 4818 |
| 5.299 | | 5208 | 3449 |
| 5.342 | | 9886 | 8489 |
| 5.391 | | 1256 | 2998 |
| 5.499 | | 121086 | 106494 |
| 5.567 | | 110868 | 102028 |
| 5.617 | | 6561 | 5151 |
| 5.695 | | 1261 | 576 |
| 5.727 | | 6731 | 8349 |
| 5.878 | | 3561 | 3235 |
| 5.926 | | 168553 | 147005 |
| 5.955 | | 3919 | 2463 |
| 5.979 | | 2187 | 1348 |
| 6.085 | DCB | 14987920 | 13697000 |
| 6.262 | | 6546 | 4042 |
| 6.536 | | 12405 | 15187 |
| 6.812 | | 2561 | 3292 |
| 8.162 | | 10653 | 18872 |

AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0027.RAW

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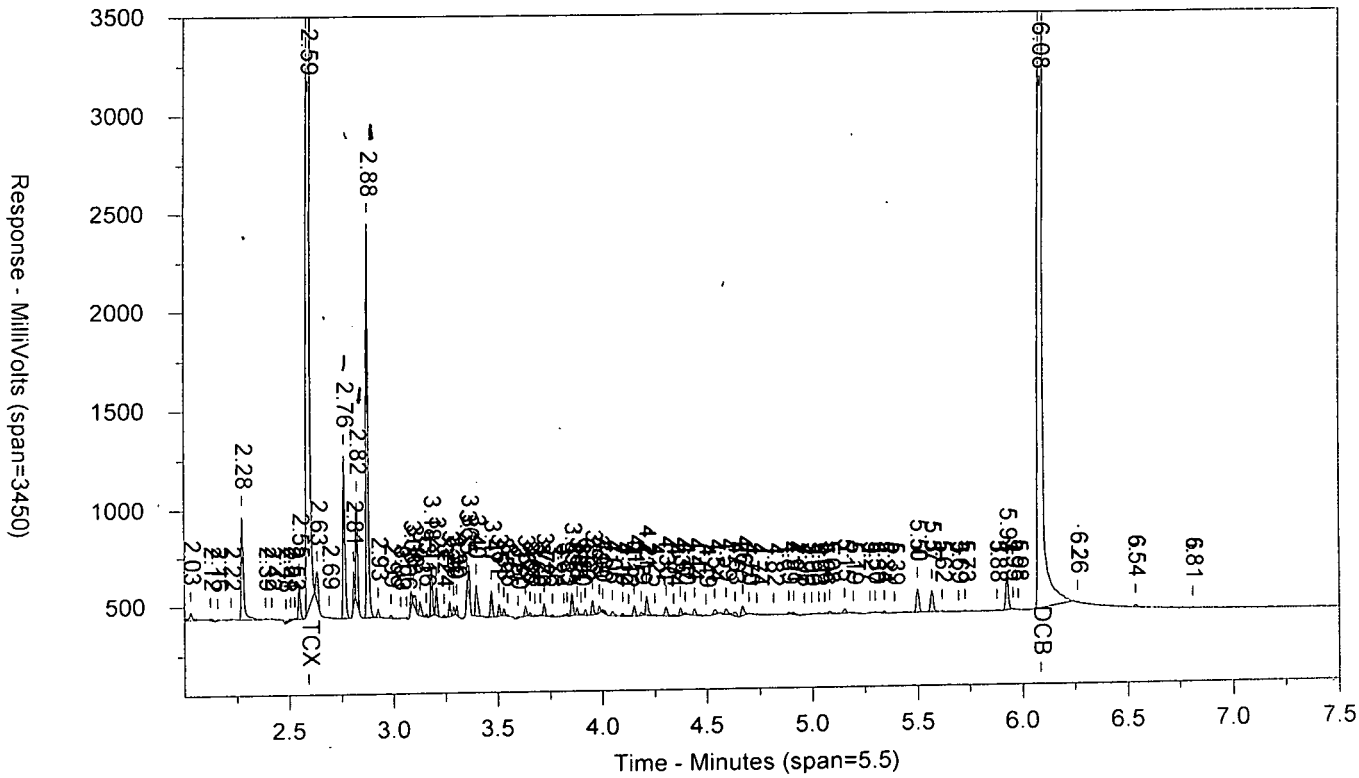


LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

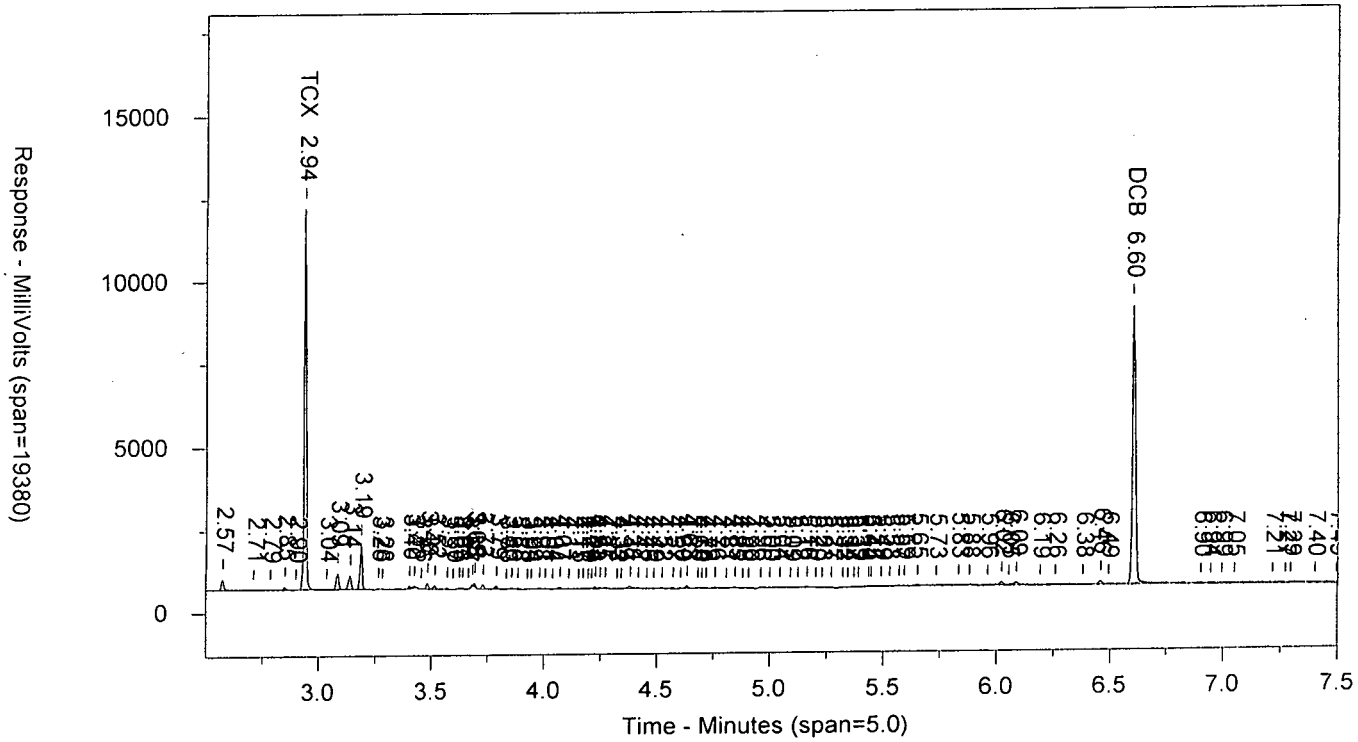
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 11542730 | 42.108 | TCX | 2.591 | 17843870 | 43.046 | TCX |
| 6.602 | 8409661 | 41.676 | DCB | 6.085 | 14987920 | 39.592 | DCB |

Files:
Area File: 07PCBS17284001.0027.RAW
Area File: 07PCBS17284001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:09:06 AM
File Reported On: 10/12/2017 at 12:09:13 AM

AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0027.RAW

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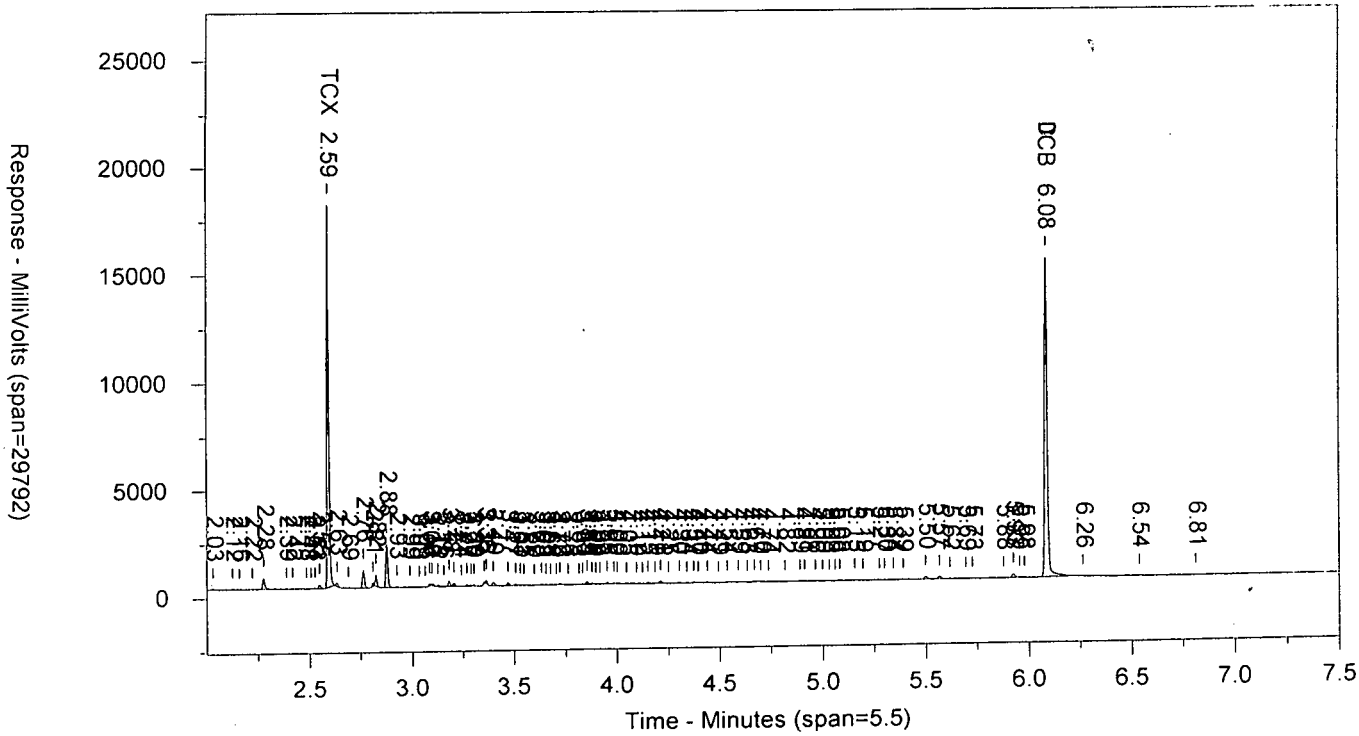
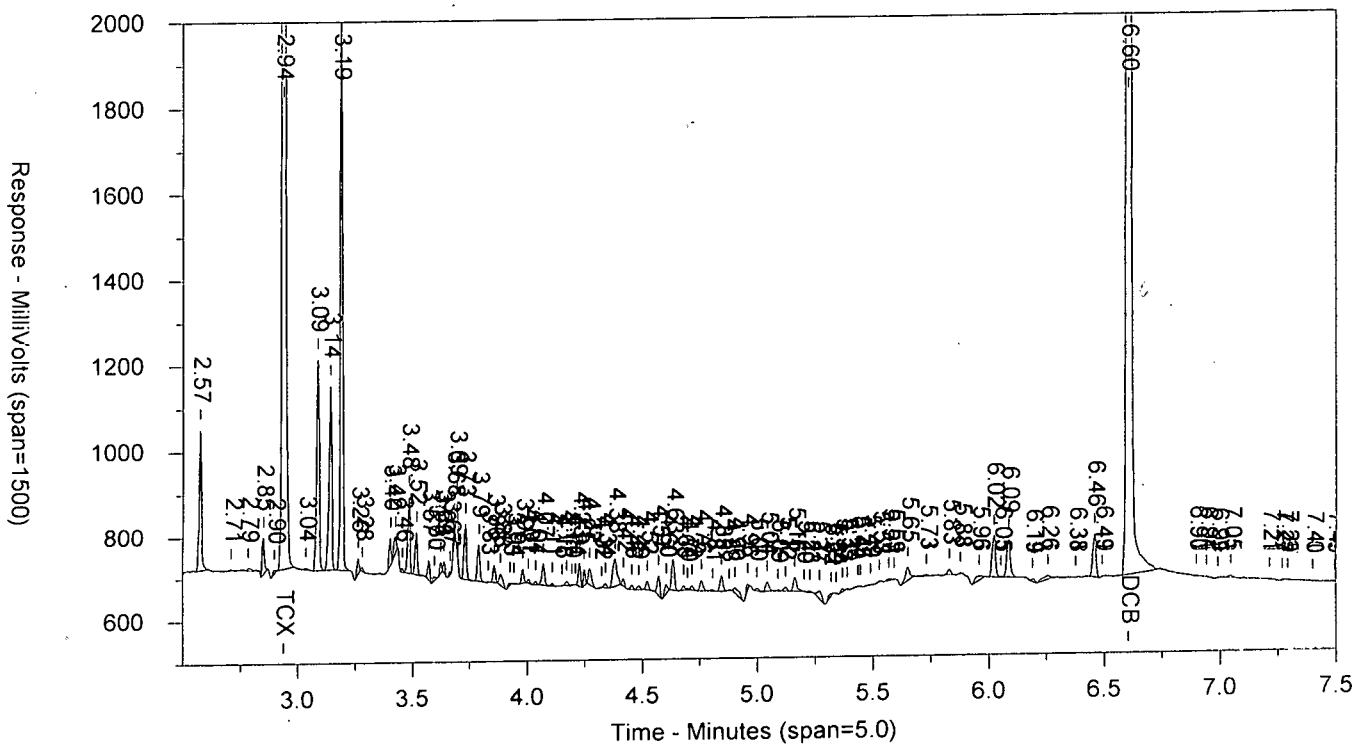


AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0027.RAW

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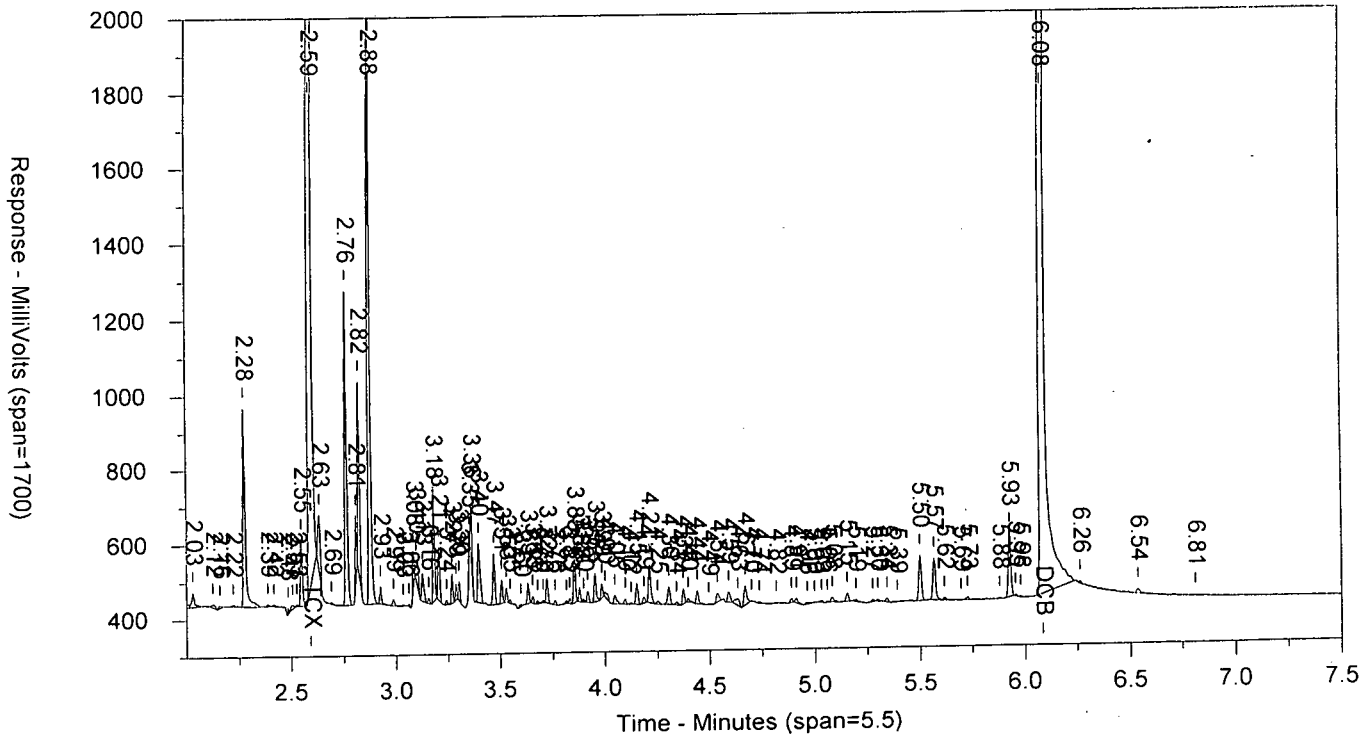


LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.513 | | 2287 | 1856 |
| 1.578 | | 39032 | 35606 |
| 1.613 | | 27483 | 63945 |
| 1.649 | | 8669 | 7207 |
| 1.736 | | 2336 | 1402 |
| 1.92 | | 2483 | 2128 |
| 2.061 | | 29038 | 66257 |
| 2.091 | | 24056 | 47244 |
| 2.129 | | 6868 | 4788 |
| 2.235 | | 51927 | 36627 |
| 2.333 | | 30292 | 32084 |
| 2.434 | | 3792 | 4379 |
| 2.524 | | 21519 | 59144 |
| 2.544 | | 25497 | 30727 |
| 2.575 | | 203756 | 156748 |
| 2.705 | | 2936 | 1602 |
| 2.789 | | 10764 | 13464 |
| 2.849 | | 70695 | 43764 |
| 2.902 | | 9596 | 10052 |
| 2.937 | TCX | 10232900 | 6874176 |
| 3.038 | | 5338 | 6547 |
| 3.086 | | 336617 | 290908 |
| 3.141 | | 333294 | 291476 |
| 3.189 | | 1121102 | 817520 |
| 3.264 | | 26855 | 17434 |
| 3.282 | | 54165 | 32916 |
| 3.403 | | 455398 | 272872 |
| 3.419 | | 227156 | 123922 |
| 3.456 | | 54988 | 29975 |
| 3.484 | | 124617 | 88489 |
| 3.517 | | 553049 | 404858 |
| 3.573 | | 35550 | 23085 |
| 3.594 | | 26622 | 17954 |
| 3.626 | | 133507 | 73688 |
| 3.64 | | 70448 | 35285 |
| 3.683 | | 289881 | 150640 |
| 3.694 | | 502219 | 255838 |
| 3.731 | | 669615 | 505903 |
| 3.79 | | 547486 | 408729 |
| 3.832 | | 40621 | 27823 |
| 3.859 | | 332801 | 236413 |
| 3.886 | | 258809 | 210665 |
| 3.906 | | 44964 | 22286 |
| 3.981 | | 375507 | 270729 |
| 4.005 | | 153254 | 98016 |
| 4.037 | | 159352 | 113654 |
| 4.07 | | 436889 | 418956 |
| 4.109 | | 137087 | 109712 |
| 4.156 | | 24913 | 16182 |
| 4.172 | | 5478 | 2194 |
| 4.195 | | 38238 | 26767 |
| 4.228 | | 283261 | 196264 |
| 4.248 | | 386831 | 238805 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.271 | | 484084 | 350251 |
| 4.327 | | 12907 | 7683 |
| 4.339 | | 7373 | 4270 |
| 4.376 | | 279529 | 216313 |
| 4.396 | | 159564 | 96441 |
| 4.417 | | 48561 | 28749 |
| 4.458 | | 9769 | 6843 |
| 4.481 | | 14653 | 11965 |
| 4.522 | | 74566 | 63172 |
| 4.572 | | 109263 | 89616 |
| 4.604 | | 72305 | 58229 |
| 4.634 | | 164962 | 141197 |
| 4.68 | | 10009 | 7814 |
| 4.715 | | 79541 | 75549 |
| 4.759 | | 19426 | 20615 |
| 4.805 | | 15203 | 13583 |
| 4.846 | | 93769 | 87717 |
| 4.883 | | 4174 | 3149 |
| 4.903 | | 4548 | 3564 |
| 4.958 | | 16240 | 12385 |
| 4.998 | | 2877 | 1491 |
| 5.043 | | 77571 | 81341 |
| 5.12 | | 12091 | 12048 |
| 5.162 | | 30157 | 31931 |
| 5.201 | | 2110 | 1081 |
| 5.227 | | 9021 | 7966 |
| 5.271 | | 15989 | 15730 |
| 5.33 | | 4292 | 15915 |
| 5.37 | | 5125 | 4318 |
| 5.389 | | 8405 | 6595 |
| 5.433 | | 1733 | 2727 |
| 5.444 | | 3404 | 2350 |
| 5.492 | | 3328 | 4498 |
| 5.528 | | 9145 | 9705 |
| 5.569 | | 6371 | 7227 |
| 5.63 | | 8117 | 6653 |
| 5.651 | | 27698 | 25690 |
| 5.708 | | 1392 | 322 |
| 5.733 | | 2669 | 1726 |
| 5.831 | | 25810 | 24562 |
| 5.877 | | 1930 | 745 |
| 5.954 | | 3260 | 5034 |
| 6.022 | | 110018 | 108967 |
| 6.086 | | 101819 | 112771 |
| 6.256 | | 13463 | 26676 |
| 6.288 | | 1576 | 768 |
| 6.335 | | 2153 | 914 |
| 6.388 | | 2852 | 2235 |
| 6.428 | | 1422 | 1188 |
| 6.457 | | 92750 | 91268 |
| 6.488 | | 1360 | 392 |
| 6.523 | | 1664 | 578 |
| 6.563 | | 1380 | 840 |
| 6.602 | DCB | 7690758 | 7745340 |
| 6.785 | | 2359 | 1201 |
| 6.943 | | 1646 | 572 |
| 6.992 | | 1650 | 731 |
| 7.046 | | 5474 | 6908 |
| 7.476 | | 1258 | 708 |
| 7.584 | | 1586 | 469 |
| 7.61 | | 1901 | 759 |
| 7.755 | | 1716 | 520 |
| 7.784 | | 1775 | 520 |
| 7.828 | | 1801 | 440 |
| 8.107 | | 1406 | 592 |
| 8.221 | | 1524 | 703 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.27 | | 1491 | 430 |
| 8.288 | | 1359 | 532 |
| 8.355 | | 852 | 417 |
| 8.41 | | 1481 | 1319 |
| 8.476 | | 1755 | 890 |
| 8.516 | | 1263 | 848 |
| 8.546 | | 1544 | 415 |
| 8.568 | | 2131 | 2931 |
| 8.659 | | 1210 | 734 |

LANCASTER LABORATORIES

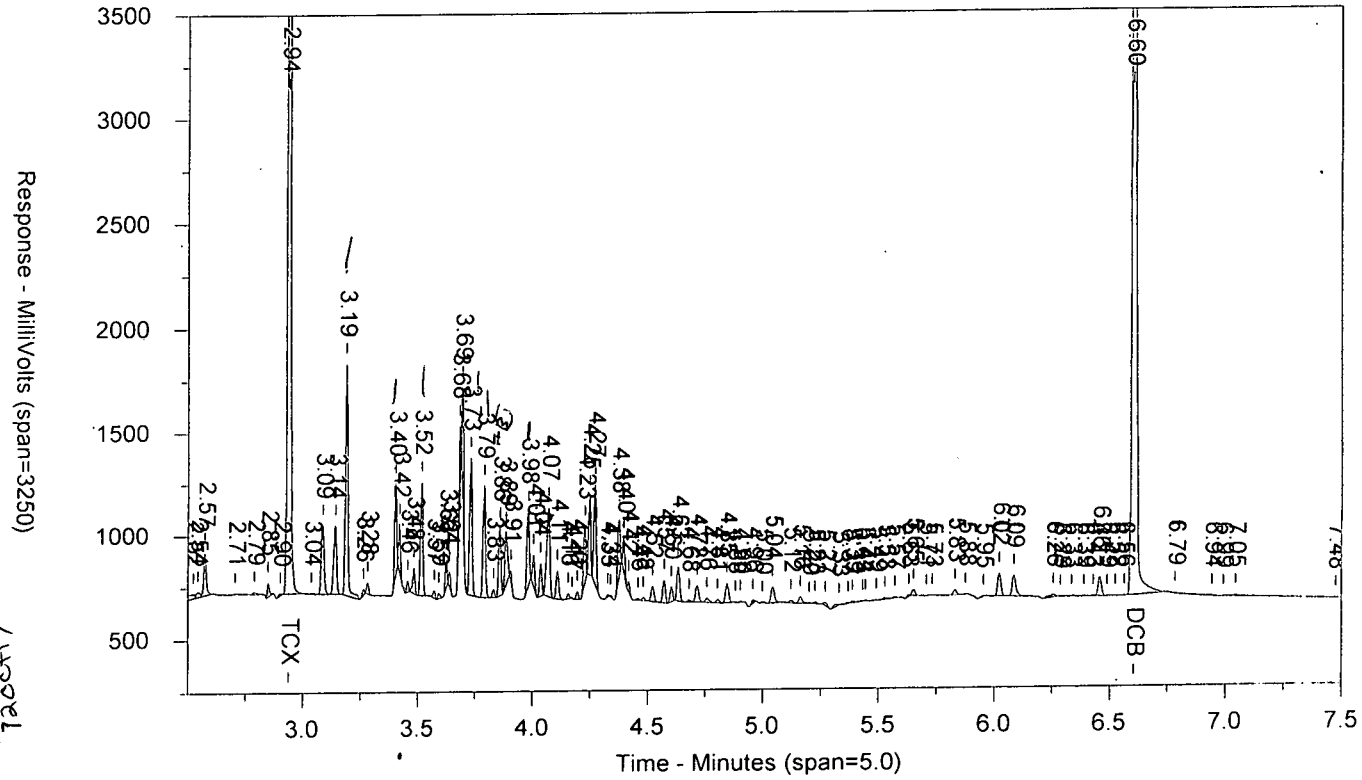
Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 2819 | 2843 |
| 1.556 | | 6202 | 5572 |
| 1.607 | | 2960 | 2151 |
| 1.748 | | 5393 | 13340 |
| 1.795 | | 9397 | 9571 |
| 1.818 | | 12619 | 14661 |
| 1.871 | | 9459 | 28035 |
| 1.903 | | 107439 | 103975 |
| 1.969 | | 15291 | 45846 |
| 2.03 | | 37749 | 37312 |
| 2.124 | | 12571 | 13367 |
| 2.16 | | 5441 | 5388 |
| 2.178 | | 7265 | 4820 |
| 2.223 | | 9276 | 8317 |
| 2.275 | | 326170 | 227489 |
| 2.32 | | 7806 | 5902 |
| 2.387 | | 21990 | 17661 |
| 2.415 | | 8800 | 5522 |
| 2.484 | | 24347 | 9945 |
| 2.508 | | 9763 | 8886 |
| 2.525 | | 10995 | 5934 |
| 2.547 | | 100302 | 63076 |
| 2.591 | TCX | 16028250 | 9886871 |
| 2.634 | | 120335 | 78634 |
| 2.69 | | 6847 | 4781 |
| 2.763 | | 582338 | 405240 |
| 2.809 | | 140343 | 66642 |
| 2.824 | | 379933 | 208891 |
| 2.876 | | 1624329 | 1069949 |
| 2.926 | | 38770 | 21928 |
| 2.987 | | 95012 | 60085 |
| 3.034 | | 5496 | 4451 |
| 3.084 | | 832196 | 864178 |
| 3.135 | | 103818 | 76174 |
| 3.156 | | 46487 | 26454 |
| 3.181 | | 177065 | 101860 |
| 3.205 | | 806459 | 534434 |
| 3.243 | | 39508 | 24013 |
| 3.269 | | 50175 | 24923 |
| 3.289 | | 206316 | 106703 |
| 3.304 | | 129281 | 63061 |
| 3.354 | | 349106 | 178833 |
| 3.363 | | 708674 | 322690 |
| 3.384 | | 23061 | 8489 |
| 3.397 | | 812733 | 568447 |
| 3.471 | | 821609 | 520933 |
| 3.507 | | 494604 | 312040 |
| 3.53 | | 555914 | 310536 |
| 3.547 | | 185196 | 90645 |
| 3.6 | | 4964 | 6401 |
| 3.632 | | 650247 | 426865 |
| 3.654 | | 263398 | 138724 |
| 3.675 | | 232682 | 139572 |
| 3.704 | | 154846 | 79569 |

| | | | |
|---|---|---|---|
| 3.721 | | 576384 | 353953 |
| 3.762 | | 209418 | 151977 |
| 3.811 | | 38192 | 24080 |
| 3.832 | | 339431 | 212214 |
| 3.855 | | 710021 | 454756 |
| 3.878 | | 649088 | 425537 |
| 3.917 | | 39313 | 21753 |
| 3.936 | | 16979 | 7014 |
| 3.952 | | 137871 | 85435 |
| 3.986 | | 417977 | 295178 |
| 4.014 | | 279416 | 172442 |
| 4.048 | | 9357 | 5214 |
| 4.06 | | 11410 | 5972 |
| 4.096 | | 73240 | 55138 |
| 4.125 | | 8106 | 5276 |
| 4.152 | | 147124 | 110319 |
| 4.184 | | 88640 | 61487 |
| 4.212 | | 212372 | 164026 |
| 4.252 | | 5964 | 5762 |
| 4.29 | | 14545 | 7826 |
| 4.304 | | 82795 | 52717 |
| 4.341 | | 23274 | 17763 |
| 4.373 | | 122943 | 88771 |
| 4.395 | | 5494 | 2920 |
| 4.413 | | 6217 | 3738 |
| 4.44 | | 28230 | 18056 |
| 4.463 | | 11034 | 7225 |
| 4.494 | | 5416 | 3694 |
| 4.539 | | 25275 | 33342 |
| 4.589 | | 127253 | 103454 |
| 4.637 | | 18880 | 16220 |
| 4.669 | | 44547 | 39932 |
| 4.701 | | 9366 | 6446 |
| 4.738 | | 7706 | 6603 |
| 4.816 | | 2195 | 1461 |
| 4.889 | | 19101 | 15180 |
| 4.911 | | 6244 | 4755 |
| 4.962 | | 9526 | 8841 |
| 4.999 | | 3803 | 3312 |
| 5.032 | | 11338 | 8600 |
| 5.06 | | 2894 | 1853 |
| 5.083 | | 31349 | 28514 |
| 5.154 | | 34320 | 28391 |
| 5.193 | | 6136 | 10173 |
| 5.276 | | 8054 | 6272 |
| 5.297 | | 6475 | 4350 |
| 5.343 | | 22704 | 22917 |
| 5.449 | | 3927 | 4871 |
| 5.499 | | 125646 | 109610 |
| 5.567 | | 119698 | 103641 |
| 5.616 | | 11085 | 9291 |
| 5.725 | | 11212 | 10224 |
| 5.875 | | 3090 | 2392 |
| 5.925 | | 149874 | 131836 |
| 5.956 | | 4429 | 2682 |
| 6.084 | DCB | 14119310 | 12817730 |
| 6.535 | | 12403 | 9841 |
| 6.707 | | 2434 | 2500 |
| 8.163 | | 10591 | 20205 |

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0028.RAW

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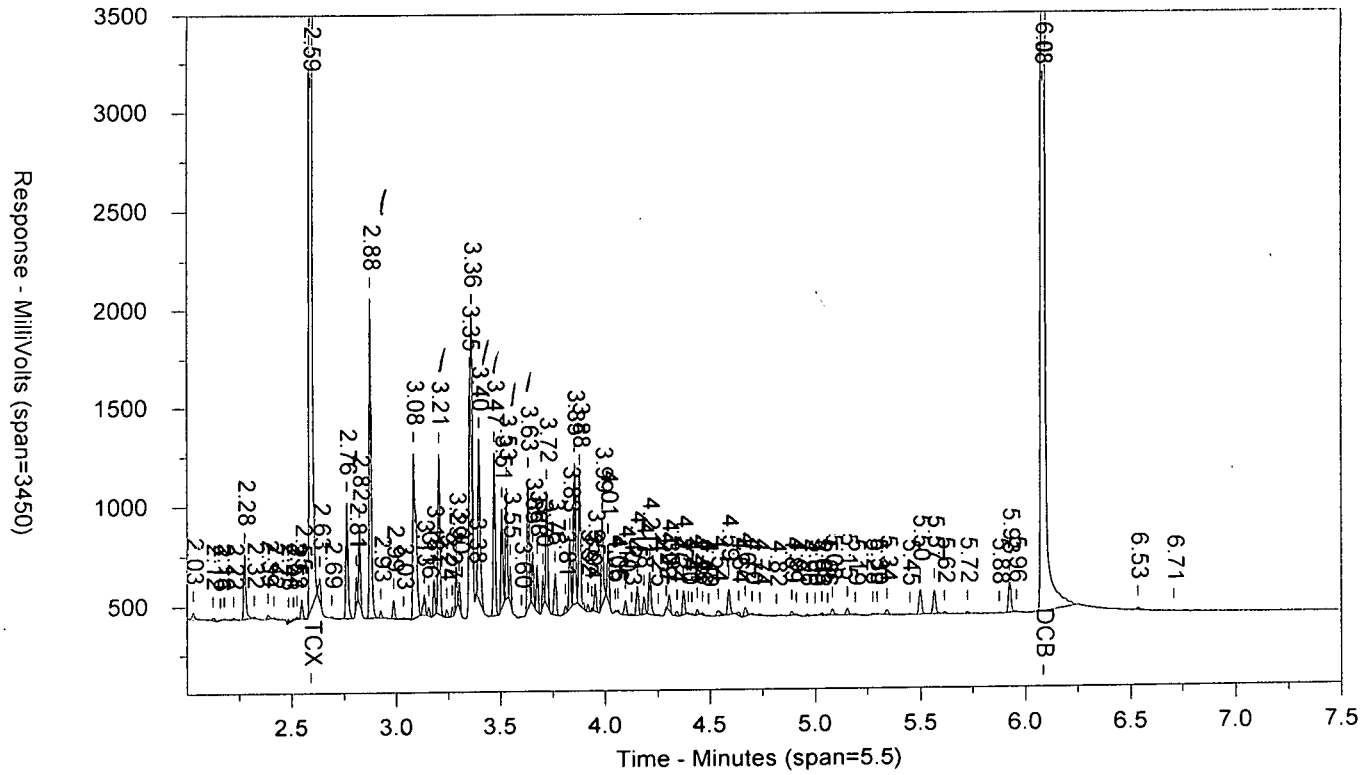

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 10232900 | 37.33 | TCX | 2.591 | 16028250 | 38.666 | TCX |
| 6.602 | 7690758 | 38.114 | DCB | 6.084 | 14119310 | 37.298 | DCB |

Files:
Area File: 07PCBS17284001.0028.RAW
Area File: 07PCBS17284001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:20:35 AM
File Reported On: 10/12/2017 at 12:20:43 AM

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

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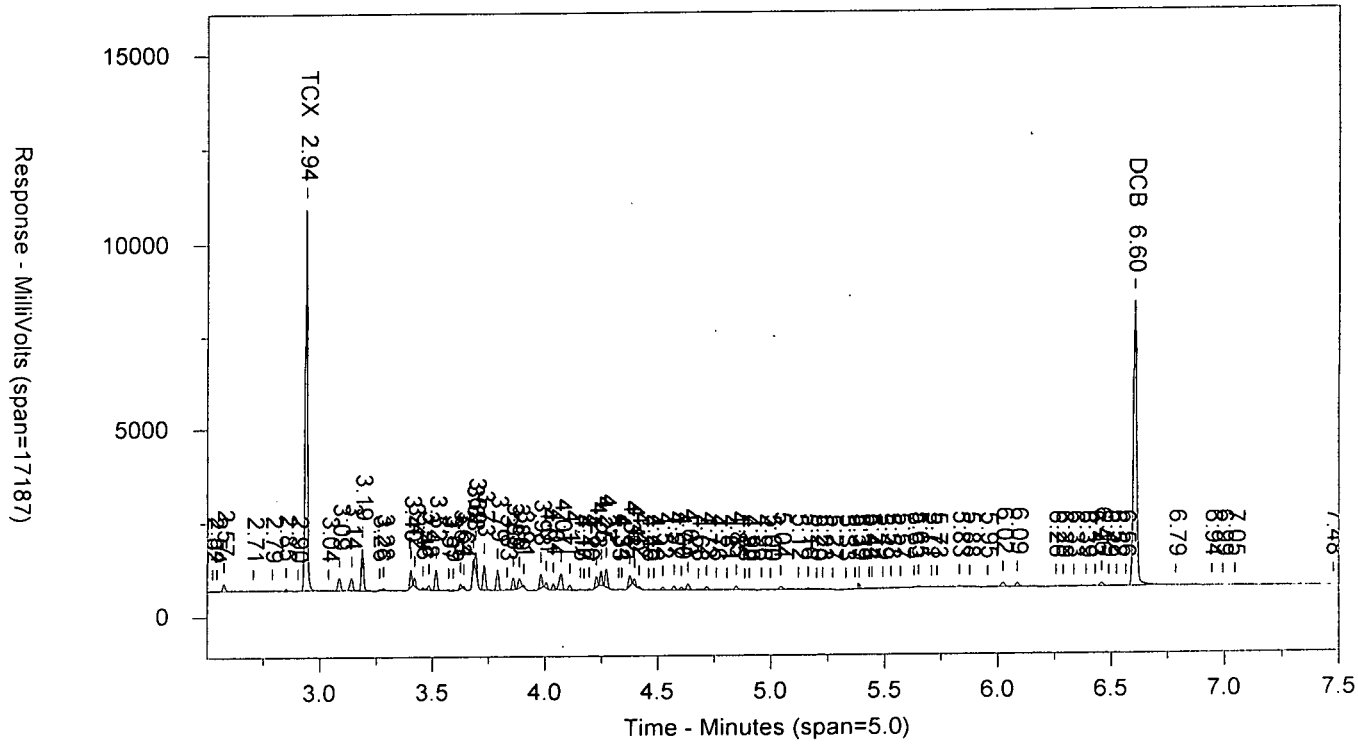


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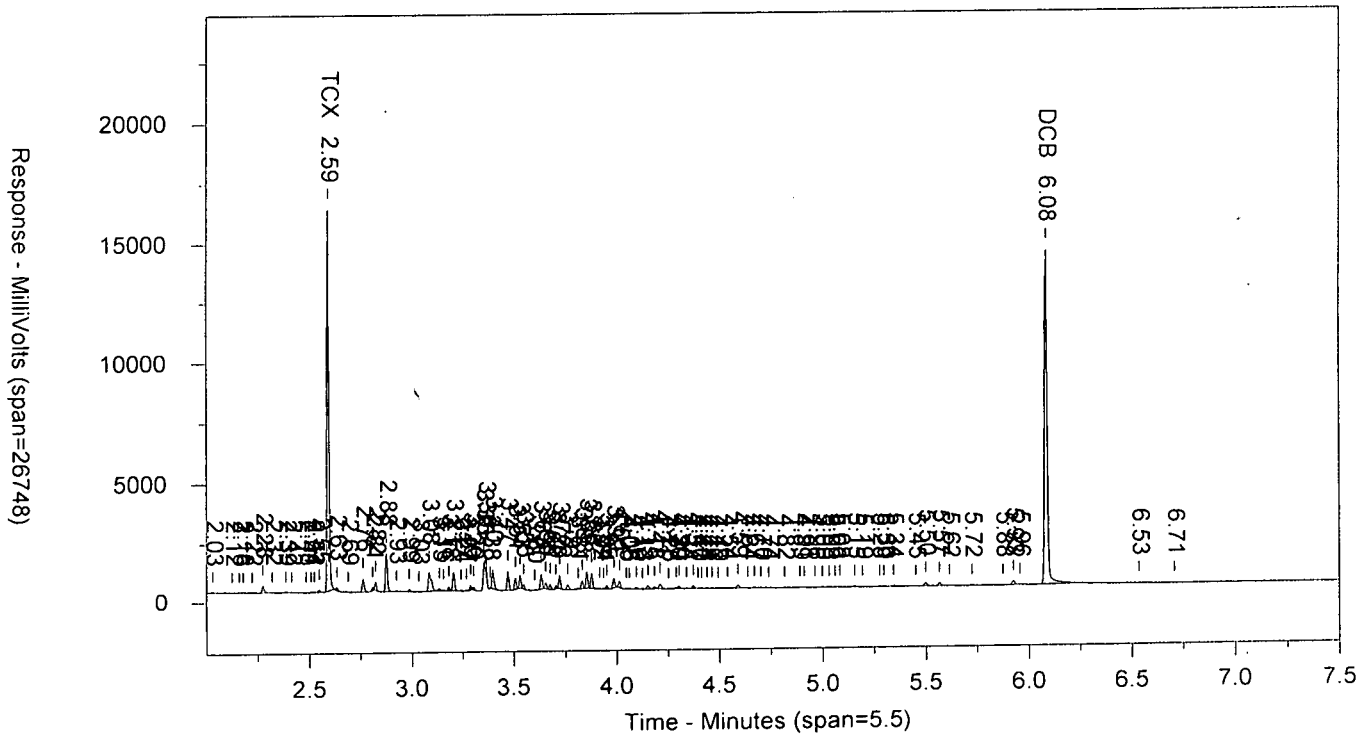

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

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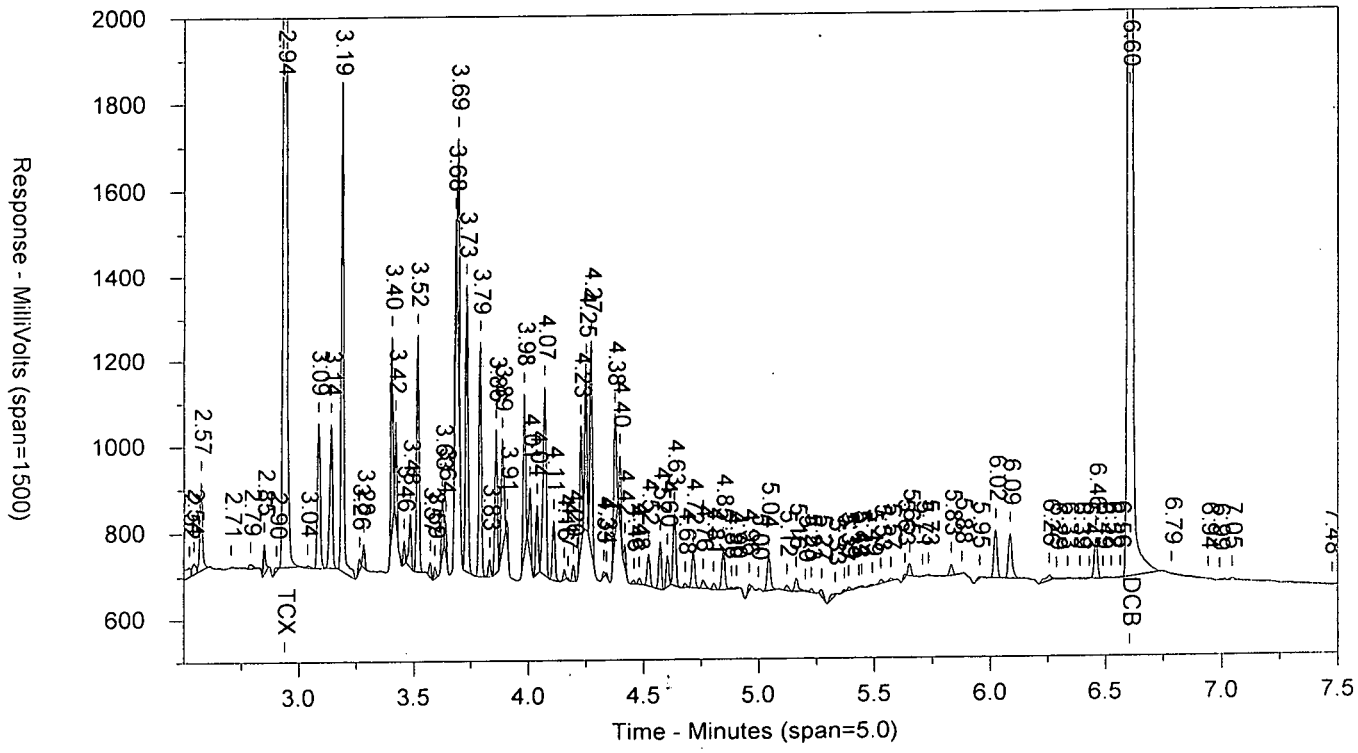


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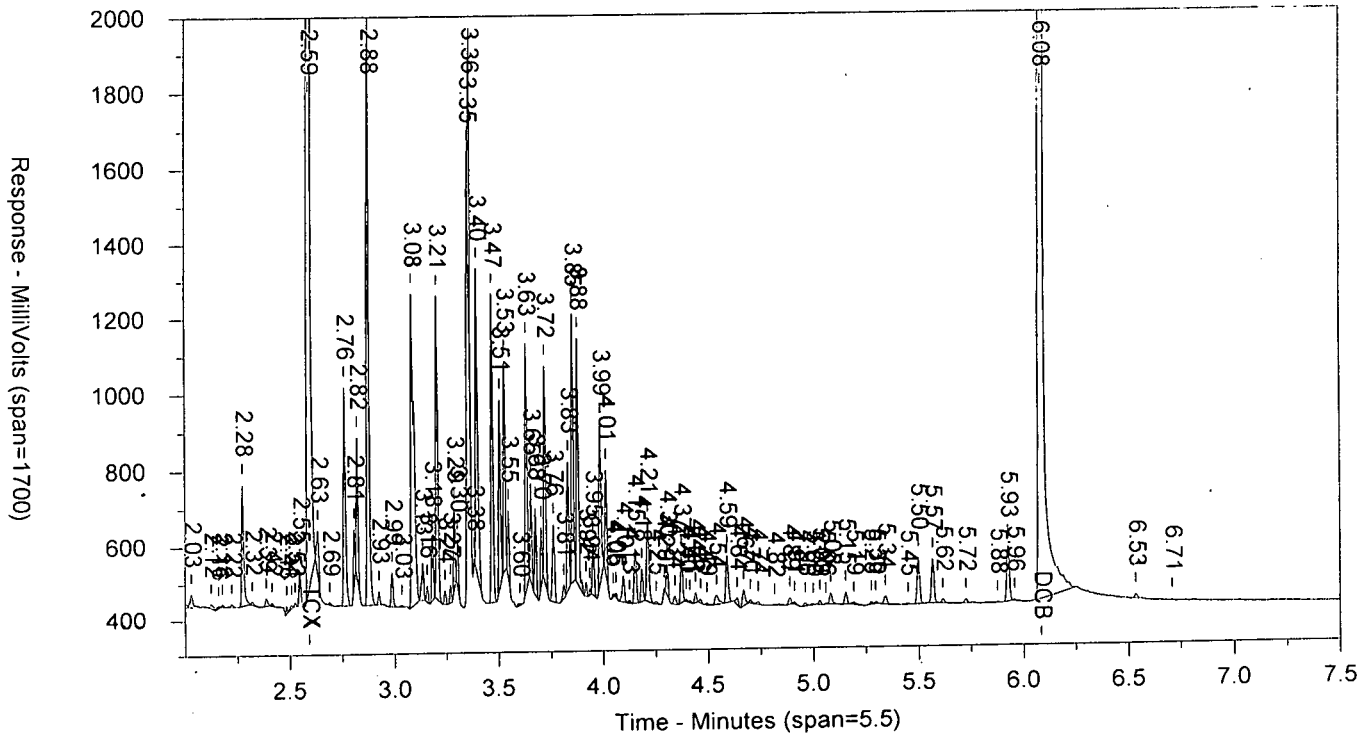


LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.579 | | 20627 | 20315 |
| 1.61 | | 16746 | 31502 |
| 1.649 | | 9318 | 11186 |
| 1.781 | | 2992 | 2638 |
| 1.811 | | 2524 | 1604 |
| 1.917 | | 4048 | 3232 |
| 2.052 | | 78653 | 92381 |
| 2.087 | | 11854 | 12353 |
| 2.163 | | 1815 | 723 |
| 2.209 | | 4327 | 2729 |
| 2.234 | | 91956 | 60821 |
| 2.334 | | 37661 | 23261 |
| 2.343 | | 38122 | 22646 |
| 2.503 | | 36590 | 50323 |
| 2.542 | | 28045 | 35795 |
| 2.575 | | 27622 | 39883 |
| 2.66 | | 19961 | 12928 |
| 2.787 | | 3802 | 1808 |
| 2.866 | | 38116 | 56360 |
| 2.937 | TCX | 19389820 | 12982620 |
| 3.086 | | 257057 | 235994 |
| 3.141 | | 350113 | 364301 |
| 3.189 | | 1338658 | 933322 |
| 3.265 | | 49271 | 33159 |
| 3.282 | | 172623 | 109169 |
| 3.321 | | 4099 | 2558 |
| 3.403 | | 1354105 | 801789 |
| 3.42 | | 658995 | 348058 |
| 3.456 | | 172505 | 97665 |
| 3.472 | | 27262 | 10026 |
| 3.484 | | 99851 | 49169 |
| 3.517 | | 1612994 | 1198009 |
| 3.553 | | 8590 | 4343 |
| 3.572 | | 87963 | 54988 |
| 3.595 | | 72313 | 52498 |
| 3.626 | | 391216 | 216269 |
| 3.641 | | 213682 | 102843 |
| 3.683 | | 885245 | 466840 |
| 3.694 | | 1805522 | 871539 |
| 3.731 | | 2019927 | 1497060 |
| 3.79 | | 1732960 | 1265566 |
| 3.831 | | 139943 | 96843 |
| 3.859 | | 1137938 | 795027 |
| 3.886 | | 871807 | 733984 |
| 3.907 | | 138243 | 65747 |
| 3.955 | | 2499 | 843 |
| 3.981 | | 1319686 | 923264 |
| 4.005 | | 496114 | 320076 |
| 4.037 | | 546956 | 380813 |
| 4.07 | | 1486828 | 1399275 |
| 4.109 | | 464252 | 365966 |
| 4.156 | | 103417 | 85564 |
| 4.196 | | 142077 | 108619 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.227 | | 967900 | 661634 |
| 4.249 | | 1157556 | 724716 |
| 4.271 | | 1637481 | 1203546 |
| 4.328 | | 36964 | 21534 |
| 4.341 | | 48048 | 29338 |
| 4.375 | | 945621 | 733916 |
| 4.396 | | 528140 | 316945 |
| 4.418 | | 236248 | 146315 |
| 4.458 | | 16384 | 10472 |
| 4.481 | | 65036 | 49773 |
| 4.522 | | 292320 | 268599 |
| 4.571 | | 371057 | 306973 |
| 4.604 | | 294800 | 224927 |
| 4.634 | | 650281 | 573009 |
| 4.683 | | 7241 | 4617 |
| 4.716 | | 301334 | 280653 |
| 4.759 | | 45483 | 58065 |
| 4.805 | | 75769 | 66748 |
| 4.846 | | 409692 | 390672 |
| 4.877 | | 8890 | 6283 |
| 4.905 | | 5563 | 3013 |
| 4.922 | | 45618 | 38687 |
| 4.96 | | 31237 | 26569 |
| 4.971 | | 13467 | 7216 |
| 4.998 | | 9871 | 8165 |
| 5.042 | | 343206 | 344320 |
| 5.089 | | 10228 | 7823 |
| 5.12 | | 23850 | 24160 |
| 5.162 | | 113737 | 98712 |
| 5.183 | | 7870 | 3749 |
| 5.202 | | 6966 | 4189 |
| 5.257 | | 25210 | 60717 |
| 5.326 | | 11181 | 29069 |
| 5.339 | | 5165 | 3174 |
| 5.368 | | 42806 | 34543 |
| 5.39 | | 5497 | 3609 |
| 5.432 | | 1440 | 2187 |
| 5.488 | | 3845 | 6443 |
| 5.526 | | 12648 | 9930 |
| 5.567 | | 37889 | 34000 |
| 5.592 | | 22139 | 33571 |
| 5.65 | | 95201 | 135827 |
| 5.711 | | 4242 | 4213 |
| 5.735 | | 17068 | 17049 |
| 5.832 | | 20999 | 21780 |
| 5.877 | | 2137 | 932 |
| 5.955 | | 9575 | 16346 |
| 6.022 | | 188759 | 190800 |
| 6.085 | | 187456 | 217895 |
| 6.255 | | 20990 | 62476 |
| 6.407 | | 4334 | 2048 |
| 6.43 | | 11052 | 7366 |
| 6.456 | | 169016 | 155506 |
| 6.497 | | 4860 | 5139 |
| 6.603 | DCB | 13822200 | 13966500 |
| 6.744 | | 26782 | 45713 |
| 7.005 | | 8300 | 14095 |
| 7.052 | | 5615 | 7550 |
| 7.146 | | 3650 | 3442 |
| 7.302 | | 7410 | 17781 |
| 7.426 | | 9563 | 19176 |
| 7.607 | | 2965 | 6452 |
| 7.669 | | 1070 | 316 |
| 7.745 | | 1398 | 329 |
| 7.774 | | 2520 | 1700 |
| 7.85 | | 10041 | 24962 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.962 | | 1285 | 2596 |
| 7.977 | | 1664 | 563 |
| 8.093 | | 1492 | 391 |
| 8.24 | | 1349 | 988 |
| 8.35 | | 2623 | 3623 |
| 8.473 | | 1853 | 482 |
| 8.485 | | 1413 | 550 |
| 8.518 | | 1312 | 1256 |
| 8.637 | | 1492 | 630 |
| 8.688 | | 1328 | 956 |

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

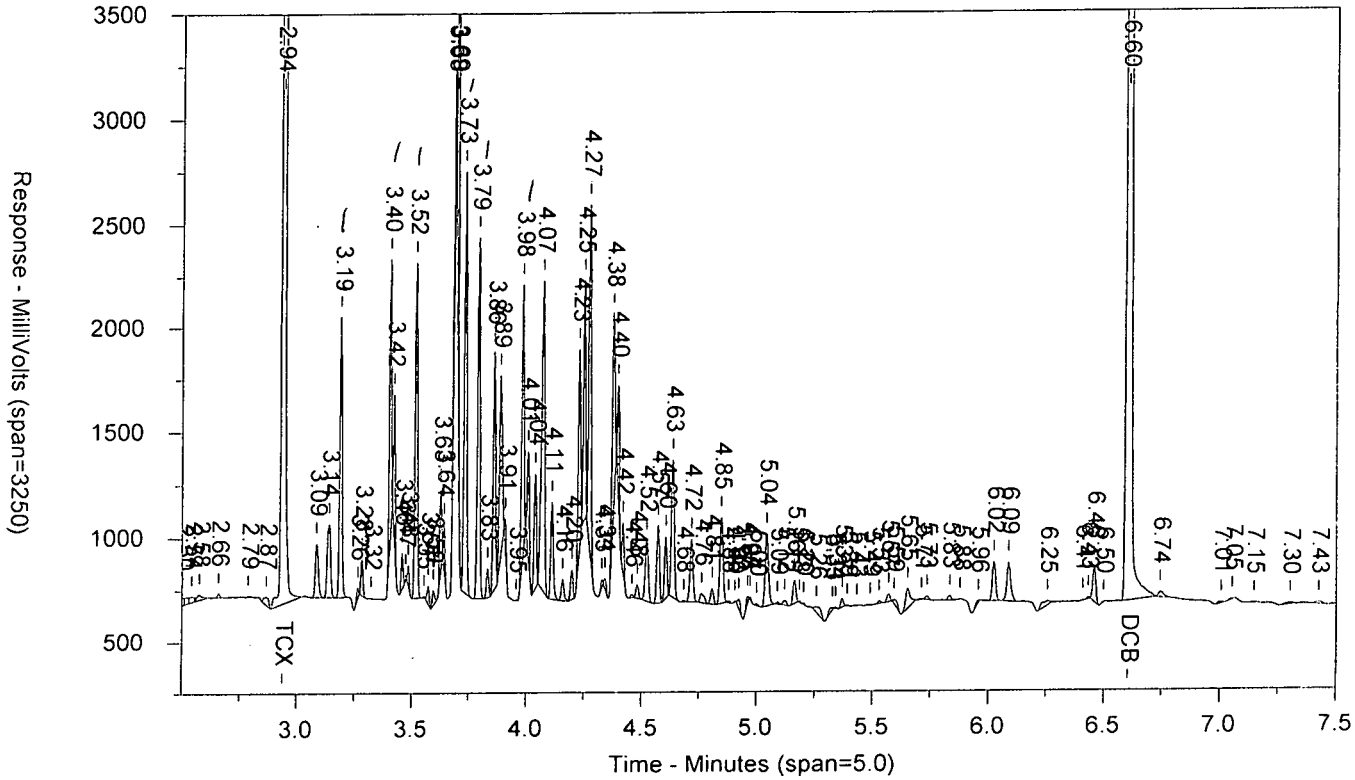
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 6760 | 5559 |
| 1.558 | | 8279 | 7338 |
| 1.606 | | 2342 | 1710 |
| 1.648 | | 3910 | 3755 |
| 1.723 | | 3079 | 1486 |
| 1.746 | | 5585 | 5218 |
| 1.771 | | 87845 | 64249 |
| 1.795 | | 9049 | 16902 |
| 1.863 | | 8090 | 18859 |
| 1.903 | | 171174 | 139147 |
| 1.968 | | 9157 | 15278 |
| 2.03 | | 55681 | 35059 |
| 2.131 | | 14983 | 14887 |
| 2.163 | | 9599 | 13696 |
| 2.21 | | 1801 | 976 |
| 2.276 | | 26163 | 26301 |
| 2.34 | | 28162 | 16368 |
| 2.388 | | 6257 | 4493 |
| 2.413 | | 4520 | 3182 |
| 2.45 | | 7284 | 14199 |
| 2.507 | | 8062 | 12829 |
| 2.526 | | 6082 | 3616 |
| 2.549 | | 5084 | 4178 |
| 2.591 | TCX | 30082730 | 18300170 |
| 2.635 | | 110566 | 53466 |
| 2.763 | | 424543 | 335712 |
| 2.809 | | 296753 | 143269 |
| 2.824 | | 353739 | 184633 |
| 2.876 | | 1987130 | 1292914 |
| 2.925 | | 74882 | 43844 |
| 2.987 | | 274442 | 182293 |
| 3.05 | | 9920 | 10142 |
| 3.084 | | 1459837 | 726871 |
| 3.094 | | 541204 | 201727 |
| 3.135 | | 298426 | 179108 |
| 3.156 | | 140844 | 83189 |
| 3.181 | | 212313 | 117657 |
| 3.205 | | 2428385 | 1615416 |
| 3.242 | | 114472 | 69156 |
| 3.27 | | 93034 | 46160 |
| 3.288 | | 619336 | 321283 |
| 3.304 | | 367705 | 171236 |
| 3.354 | | 1204842 | 567266 |
| 3.363 | | 2619707 | 1119553 |
| 3.383 | | 82596 | 31202 |
| 3.397 | | 2426361 | 1700040 |
| 3.471 | | 2656755 | 1647104 |
| 3.506 | | 1690629 | 1071454 |
| 3.529 | | 1879702 | 1037791 |
| 3.547 | | 597497 | 310759 |
| 3.594 | | 15948 | 13151 |
| 3.632 | | 2190494 | 1429129 |
| 3.654 | | 846830 | 450402 |
| 3.675 | | 778871 | 467141 |

| | | | |
|---|---|---|---|
| 3.704 | | 527784 | 270920 |
| 3.721 | | 1954761 | 1183988 |
| 3.761 | | 680438 | 501893 |
| 3.81 | | 128931 | 89302 |
| 3.831 | | 993418 | 630064 |
| 3.854 | | 2481921 | 1562213 |
| 3.878 | | 2271284 | 1389517 |
| 3.897 | | 91590 | 39537 |
| 3.917 | | 115559 | 63436 |
| 3.936 | | 45968 | 19260 |
| 3.952 | | 557908 | 353816 |
| 3.986 | | 1504466 | 1078129 |
| 4.014 | | 1062170 | 617151 |
| 4.046 | | 6213 | 2620 |
| 4.061 | | 75967 | 47582 |
| 4.096 | | 268419 | 213958 |
| 4.152 | | 628385 | 467068 |
| 4.184 | | 377546 | 267208 |
| 4.212 | | 917535 | 645540 |
| 4.25 | | 13941 | 12651 |
| 4.29 | | 41829 | 25466 |
| 4.305 | | 302568 | 196837 |
| 4.34 | | 112021 | 84612 |
| 4.373 | | 512890 | 427641 |
| 4.439 | | 64216 | 42167 |
| 4.464 | | 52629 | 36253 |
| 4.536 | | 68265 | 65169 |
| 4.564 | | 10916 | 6432 |
| 4.589 | | 591844 | 477348 |
| 4.629 | | 35797 | 42047 |
| 4.668 | | 184232 | 189524 |
| 4.714 | | 20368 | 13938 |
| 4.741 | | 4540 | 4499 |
| 4.812 | | 8843 | 14718 |
| 4.854 | | 8869 | 5994 |
| 4.885 | | 3056 | 4025 |
| 4.91 | | 90055 | 86286 |
| 4.995 | | 3137 | 14231 |
| 5.033 | | 14907 | 10754 |
| 5.059 | | 37278 | 28226 |
| 5.082 | | 9596 | 5601 |
| 5.101 | | 5618 | 3054 |
| 5.154 | | 50158 | 39980 |
| 5.201 | | 10791 | 11109 |
| 5.229 | | 29822 | 27977 |
| 5.276 | | 3830 | 3892 |
| 5.298 | | 5128 | 3704 |
| 5.343 | | 23580 | 25907 |
| 5.388 | | 5766 | 6732 |
| 5.439 | | 11000 | 15859 |
| 5.499 | | 210260 | 187079 |
| 5.536 | | 29519 | 26317 |
| 5.567 | | 200017 | 171252 |
| 5.617 | | 16914 | 19585 |
| 5.68 | | 5698 | 7353 |
| 5.725 | | 17024 | 19649 |
| 5.823 | | 46823 | 87929 |
| 5.879 | | 3310 | 2149 |
| 5.926 | | 273887 | 245550 |
| 5.957 | | 9494 | 6865 |
| 6.001 | | 3936 | 3153 |
| 6.084 | DCB | 25339790 | 22967640 |
| 6.336 | | 29743 | 48396 |
| 6.43 | | 12923 | 15003 |
| 6.478 | | 16997 | 28975 |
| 6.534 | | 19924 | 17047 |
| 6.569 | | 25535 | 35772 |

| | | |
|---|---|---|
| 6.63 | 10788 | 18413 |
| 6.797 | 26615 | 41442 |
| 6.847 | 5232 | 4721 |
| 7.034 | 19862 | 27918 |
| 7.073 | 6164 | 6479 |
| 7.183 | 5428 | 6228 |
| 7.218 | 8686 | 9596 |
| 7.296 | 14260 | 23888 |
| 7.361 | 4244 | 4602 |
| 7.6 | 8407 | 20937 |
| 7.761 | 3265 | 5821 |
| 8.167 | 12433 | 24392 |

AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0029.RAW

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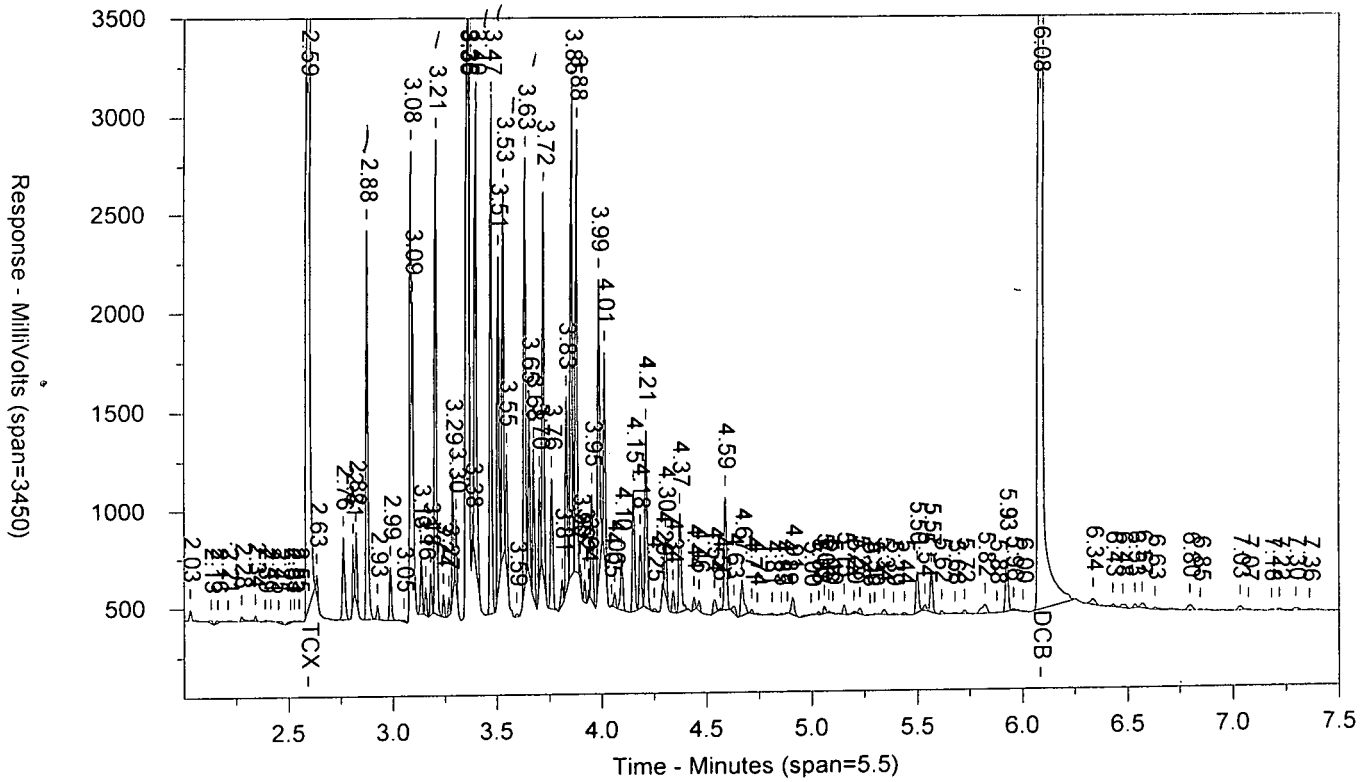


LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

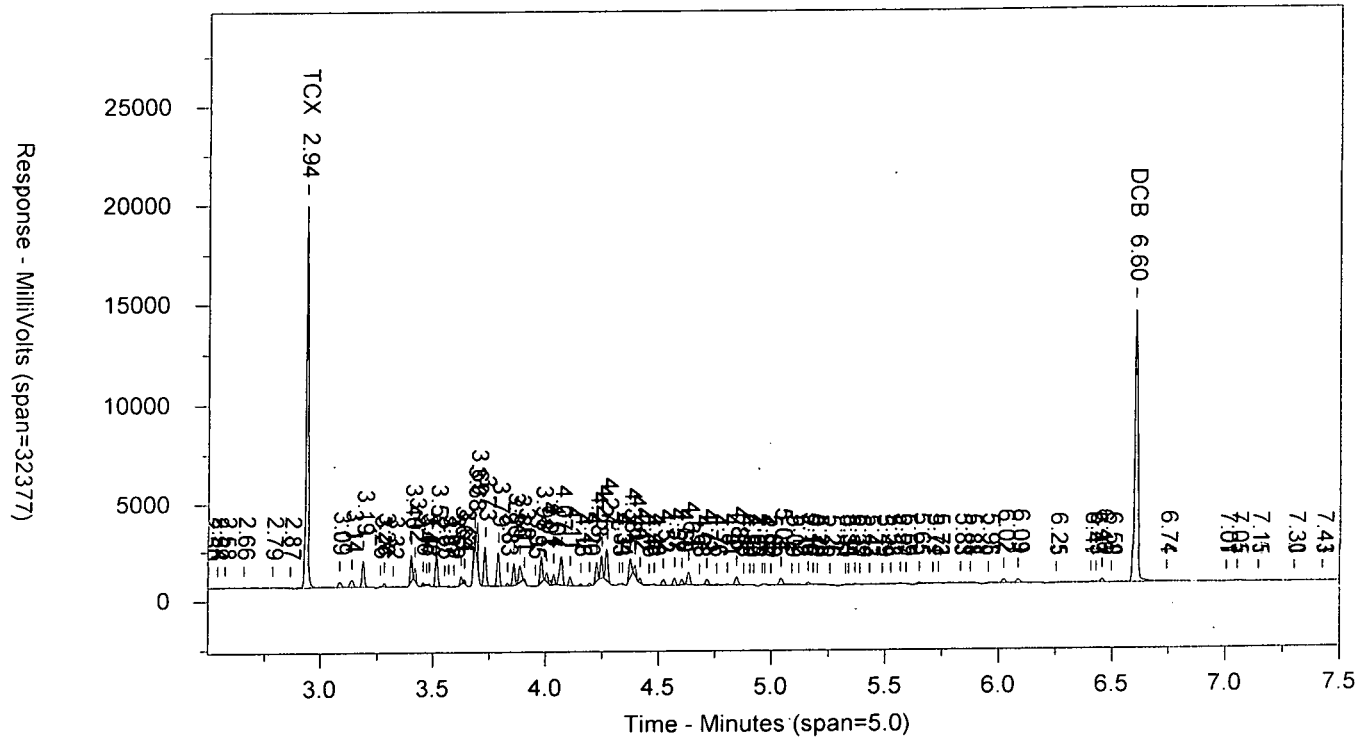
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 19389820 | 70.735 | TCX | 2.591 | 30082730 | 72.571 | TCX |
| 6.603 | 13822200 | 68.5 | DCB | 6.084 | 25339790 | 66.938 | DCB |

Files:
Area File: 07PCBS17284001.0029.RAW
Area File: 07PCBS17284001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:32:02 AM
File Reported On: 10/12/2017 at 12:32:09 AM

AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0029.RAW

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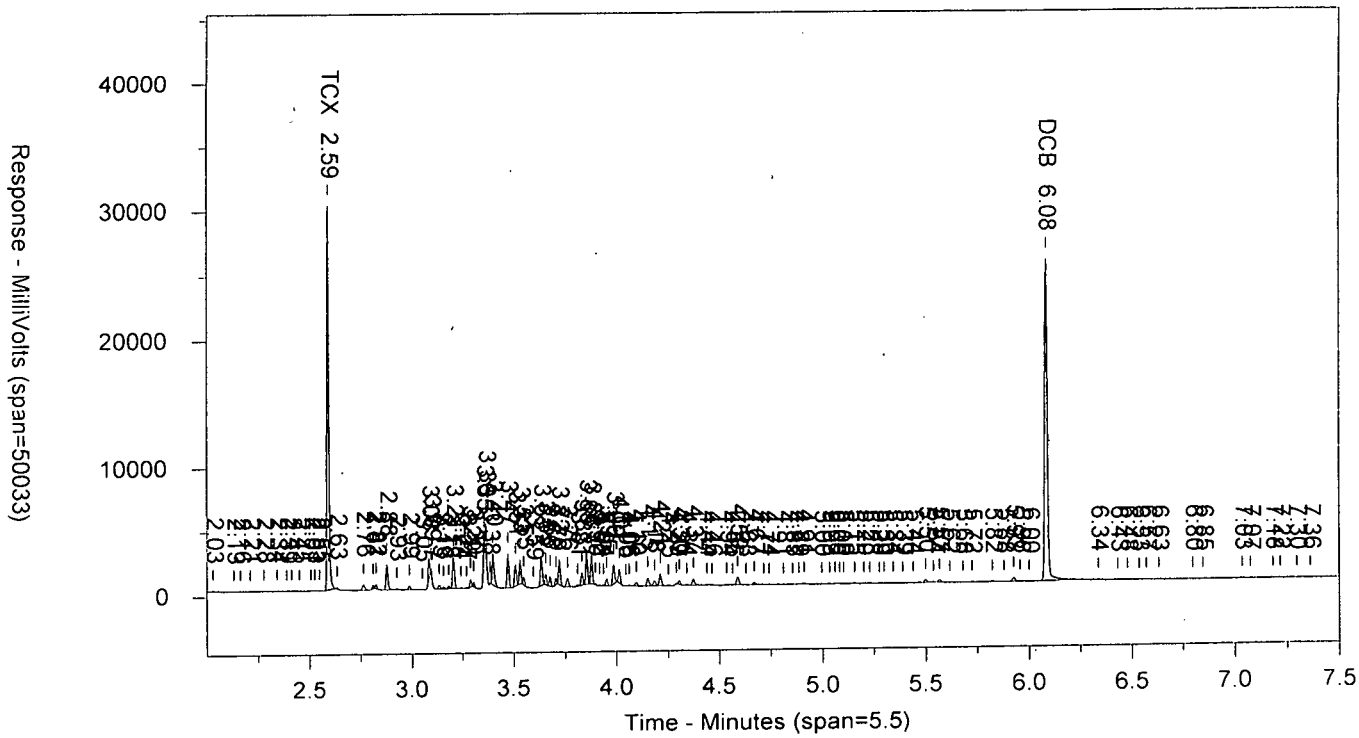
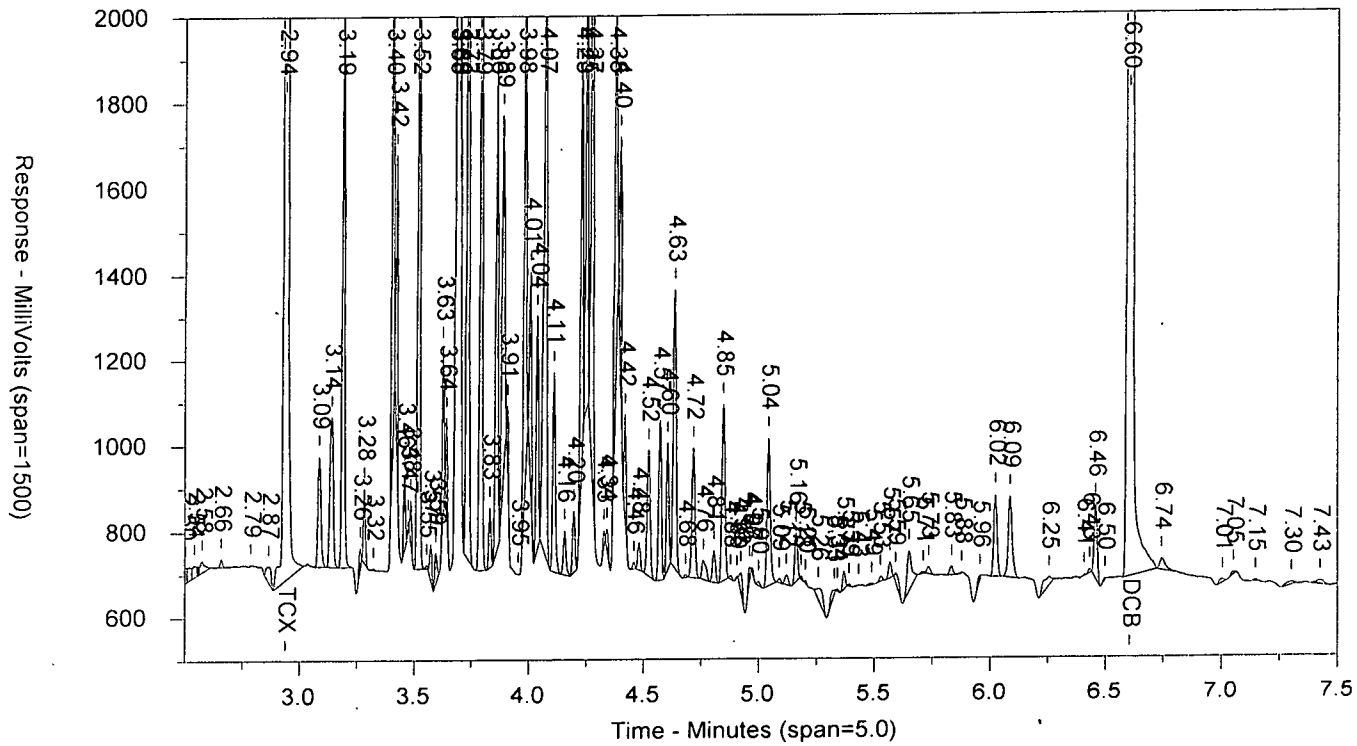


AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0029.RAW

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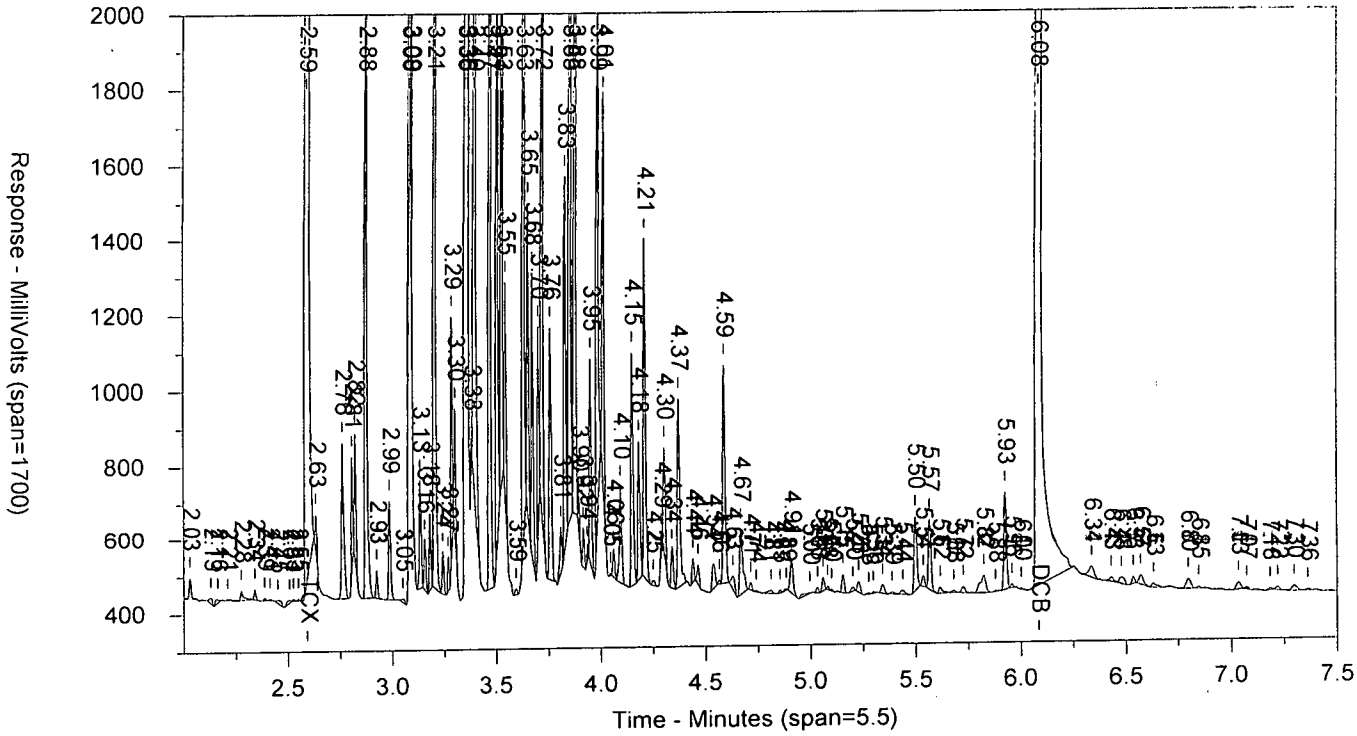


LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.577 | | 22460 | 20893 |
| 1.623 | | 7276 | 28948 |
| 1.737 | | 2792 | 2190 |
| 1.917 | | 1633 | 888 |
| 2.052 | | 15416 | 22361 |
| 2.087 | | 10954 | 13510 |
| 2.164 | | 1666 | 1219 |
| 2.332 | | 24199 | 15392 |
| 2.459 | | 6358 | 10120 |
| 2.505 | | 4784 | 9707 |
| 2.785 | | 46980 | 39385 |
| 2.86 | | 5648 | 3946 |
| 2.897 | | 6338 | 4535 |
| 2.936 | TCX | 119100 | 80232 |
| 3.084 | | 3073 | 2256 |
| 3.14 | | 4878 | 3731 |
| 3.188 | | 29488 | 20770 |
| 3.28 | | 8273 | 15787 |
| 3.402 | | 31810 | 19319 |
| 3.419 | | 15954 | 8268 |
| 3.454 | | 2895 | 1861 |
| 3.516 | | 35869 | 26477 |
| 3.607 | | 3301 | 5423 |
| 3.623 | | 7922 | 4395 |
| 3.639 | | 4559 | 2460 |
| 3.682 | | 20796 | 10442 |
| 3.693 | | 35382 | 18205 |
| 3.729 | | 44741 | 32351 |
| 3.789 | | 38374 | 26558 |
| 3.828 | | 2866 | 1580 |
| 3.857 | | 26468 | 18066 |
| 3.883 | | 23790 | 23392 |
| 3.921 | | 2311 | 1152 |
| 3.935 | | 1657 | 441 |
| 3.948 | | 1131 | 374 |
| 3.979 | | 30419 | 20796 |
| 4.004 | | 9265 | 5921 |
| 4.033 | | 11773 | 7478 |
| 4.068 | | 31835 | 29288 |
| 4.108 | | 9326 | 6445 |
| 4.172 | | 9723 | 8323 |
| 4.196 | | 2454 | 1137 |
| 4.227 | | 31090 | 21738 |
| 4.248 | | 14007 | 8460 |
| 4.276 | | 13126 | 14748 |
| 4.339 | | 4410 | 3156 |
| 4.383 | | 35162 | 31994 |
| 4.411 | | 1607 | 1531 |
| 4.518 | | 1911 | 1075 |
| 4.567 | | 8754 | 6516 |
| 4.589 | | 7649 | 7293 |
| 4.632 | | 20465 | 17103 |
| 4.681 | | 34408 | 36607 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.717 | | 7531 | 4827 |
| 4.757 | | 71497 | 67358 |
| 4.842 | | 9632 | 8316 |
| 4.902 | | 17854 | 24263 |
| 4.956 | | 72971 | 91441 |
| 5.007 | | 11902 | 10435 |
| 5.046 | | 28421 | 32080 |
| 5.114 | | 1521 | 995 |
| 5.129 | | 4717 | 3566 |
| 5.16 | | 77859 | 73433 |
| 5.227 | | 53031 | 47746 |
| 5.268 | | 34644 | 33478 |
| 5.318 | | 2643 | 4132 |
| 5.364 | | 8478 | 7199 |
| 5.389 | | 45220 | 40675 |
| 5.446 | | 24859 | 22363 |
| 5.485 | | 15547 | 14505 |
| 5.527 | | 1867 | 1349 |
| 5.545 | | 1561 | 533 |
| 5.569 | | 17895 | 17277 |
| 5.625 | | 145336 | 149299 |
| 5.737 | | 1110 | 1716 |
| 5.831 | | 105640 | 103142 |
| 5.862 | | 2597 | 1692 |
| 5.887 | | 26192 | 29272 |
| 5.944 | | 3287 | 2400 |
| 6.021 | | 4778 | 3619 |
| 6.076 | | 1814 | 805 |
| 6.1 | | 15636 | 15830 |
| 6.255 | | 37693 | 40535 |
| 6.335 | | 1182 | 383 |
| 6.355 | | 1180 | 358 |
| 6.431 | | 957 | 854 |
| 6.458 | | 8987 | 8808 |
| 6.49 | | 1852 | 939 |
| 6.569 | | 1261 | 340 |
| 6.601 | DCB | 99148 | 101667 |
| 6.739 | | 1186 | 428 |
| 6.851 | | 1692 | 829 |
| 6.941 | | 2412 | 3005 |
| 7.258 | | 2138 | 349 |
| 7.467 | | 1577 | 625 |
| 7.511 | | 1233 | 576 |
| 7.58 | | 1305 | 506 |
| 7.664 | | 1552 | 630 |
| 7.748 | | 1549 | 438 |
| 7.761 | | 1533 | 625 |
| 7.842 | | 1344 | 449 |
| 8.13 | | 1213 | 344 |
| 8.196 | | 1305 | 723 |
| 8.23 | | 1938 | 783 |
| 8.341 | | 1940 | 409 |
| 8.393 | | 1896 | 372 |
| 8.43 | | 1261 | 863 |
| 8.559 | | 1186 | 683 |
| 8.649 | | 1651 | 457 |
| 8.692 | | 1939 | 1073 |

LANCASTER LABORATORIES

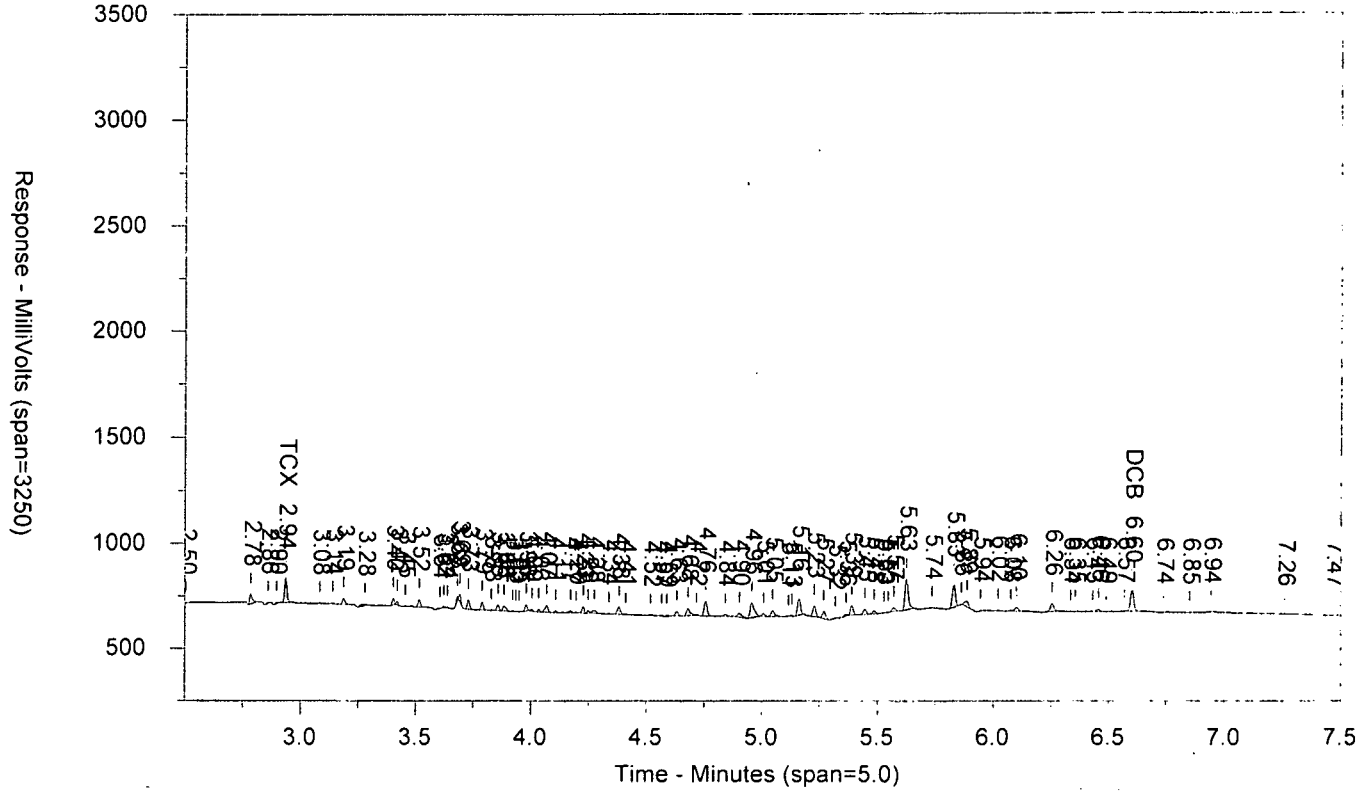
Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.529 | | 2741 | 2564 |
| 1.558 | | 3233 | 2136 |
| 1.746 | | 2297 | 1463 |
| 1.795 | | 5124 | 5672 |
| 1.851 | | 3695 | 8407 |
| 1.899 | | 38480 | 24789 |
| 1.967 | | 12267 | 19239 |
| 2.133 | | 7215 | 6231 |
| 2.17 | | 3063 | 6819 |
| 2.321 | | 6761 | 11603 |
| 2.388 | | 3320 | 2766 |
| 2.416 | | 3707 | 2485 |
| 2.508 | | 8750 | 14340 |
| 2.526 | | 74119 | 68843 |
| 2.591 | TCX | 175660 | 111836 |
| 2.689 | | 3422 | 3078 |
| 2.764 | | 8939 | 9693 |
| 2.809 | | 2057 | 2539 |
| 2.824 | | 8269 | 4473 |
| 2.876 | | 46394 | 32102 |
| 2.949 | | 3251 | 2618 |
| 2.987 | | 5062 | 3266 |
| 3.03 | | 2741 | 1613 |
| 3.084 | | 63300 | 66265 |
| 3.136 | | 5651 | 3118 |
| 3.158 | | 3391 | 2510 |
| 3.181 | | 3481 | 1871 |
| 3.206 | | 53928 | 34063 |
| 3.289 | | 12504 | 6149 |
| 3.304 | | 12463 | 7516 |
| 3.354 | | 25339 | 11790 |
| 3.363 | | 47902 | 20988 |
| 3.397 | | 56157 | 44230 |
| 3.47 | | 56280 | 35448 |
| 3.506 | | 43163 | 25955 |
| 3.529 | | 44092 | 24538 |
| 3.546 | | 12554 | 5904 |
| 3.602 | | 4284 | 4855 |
| 3.631 | | 49203 | 31512 |
| 3.653 | | 17469 | 9204 |
| 3.674 | | 16911 | 9535 |
| 3.703 | | 10596 | 5367 |
| 3.719 | | 38726 | 23037 |
| 3.761 | | 13816 | 9363 |
| 3.83 | | 5589 | 3095 |
| 3.852 | | 55020 | 35459 |
| 3.877 | | 9246 | 5066 |
| 3.916 | | 19794 | 14638 |
| 3.951 | | 44525 | 29621 |
| 3.997 | | 7734 | 9403 |
| 4.048 | | 14095 | 11830 |
| 4.115 | | 2557 | 3307 |
| 4.149 | | 11329 | 8579 |
| 4.193 | | 12013 | 7760 |

| | | | |
|---|---|---|---|
| 4.211 | | 10672 | 5483 |
| 4.224 | | 32195 | 18948 |
| 4.251 | | 18672 | 17416 |
| 4.301 | | 101838 | 77965 |
| 4.373 | | 5567 | 3076 |
| 4.396 | | 21698 | 16270 |
| 4.438 | | 122789 | 95963 |
| 4.539 | | 85650 | 96780 |
| 4.593 | | 11414 | 9248 |
| 4.631 | | 29099 | 26831 |
| 4.667 | | 111145 | 96179 |
| 4.699 | | 64767 | 47439 |
| 4.737 | | 42585 | 34213 |
| 4.836 | | 12788 | 9612 |
| 4.887 | | 77295 | 62000 |
| 4.91 | | 7768 | 4935 |
| 4.96 | | 43168 | 36607 |
| 4.996 | | 19544 | 16027 |
| 5.026 | | 15514 | 13076 |
| 5.059 | | 4391 | 2608 |
| 5.081 | | 165554 | 149974 |
| 5.153 | | 6413 | 5274 |
| 5.192 | | 5918 | 7490 |
| 5.272 | | 2192 | 1290 |
| 5.297 | | 41049 | 33635 |
| 5.342 | | 113013 | 133169 |
| 5.499 | | 4964 | 4979 |
| 5.546 | | 2833 | 2379 |
| 5.565 | | 2968 | 2028 |
| 5.615 | | 22103 | 18503 |
| 5.725 | | 49654 | 45784 |
| 5.757 | | 2789 | 1575 |
| 5.925 | | 14772 | 13377 |
| 6.083 | DCB | 194260 | 186679 |
| 7.585 | | 2663 | 4801 |
| 7.885 | | 1826 | 2267 |
| 7.944 | | 2237 | 2843 |
| 8.161 | | 10347 | 18652 |

MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0030.RAW

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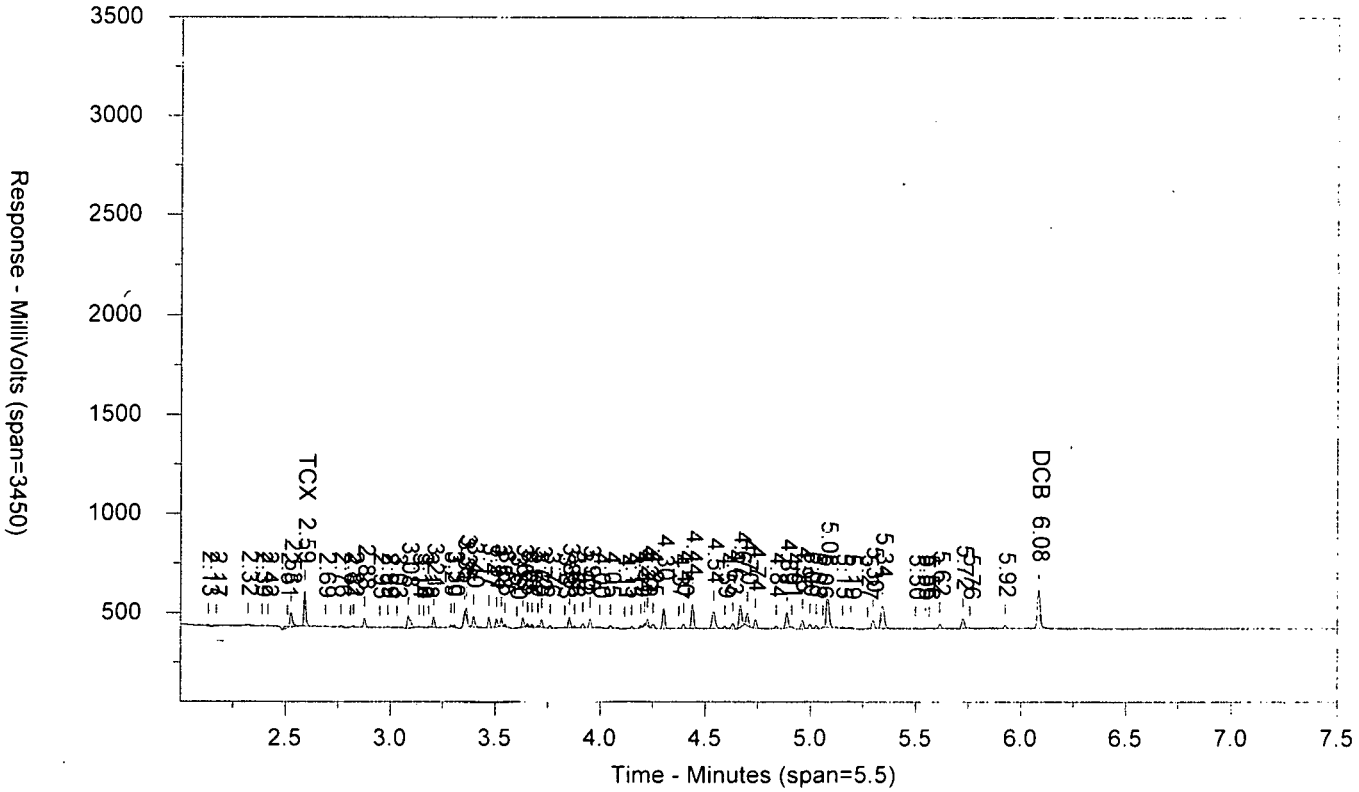


LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

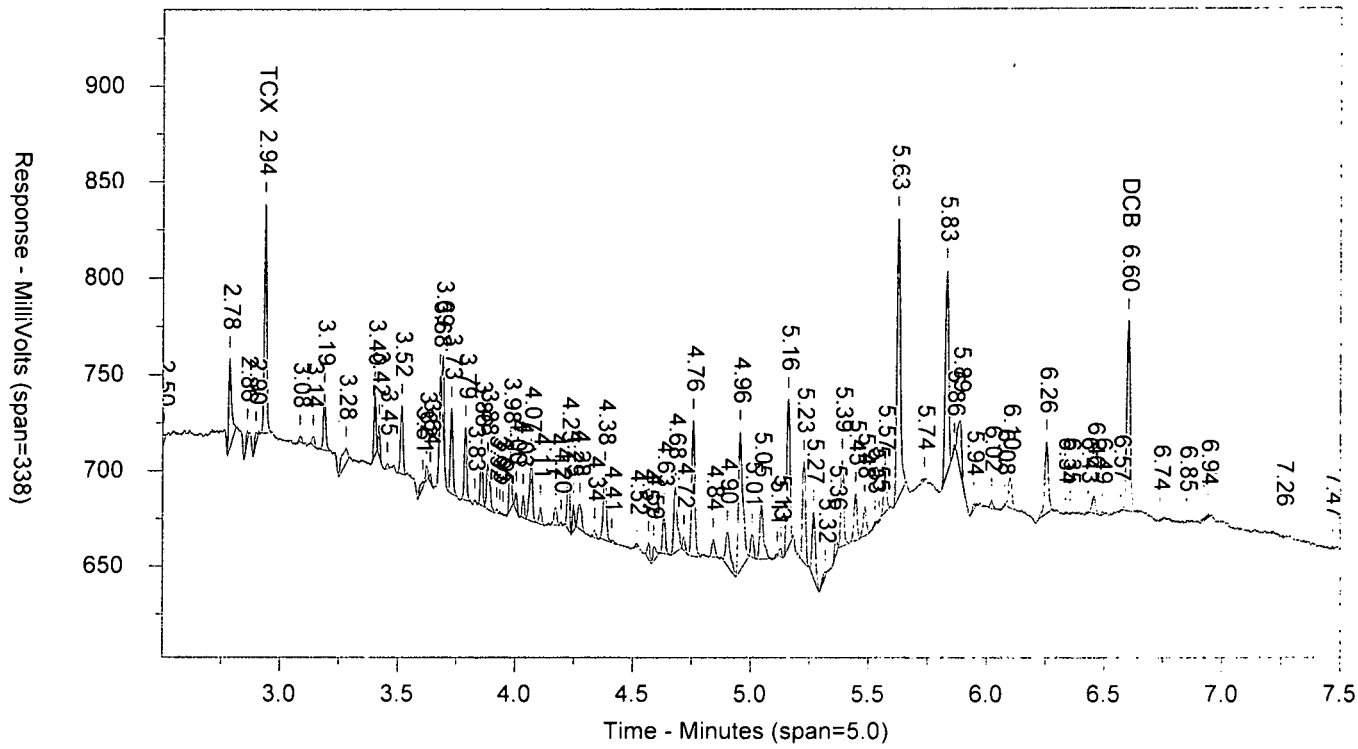
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 119100 | .434 | TCX | 2.591 | 175660 | .424 | TCX |
| 6.601 | 99148 | .491 | DCB | 6.083 | 194260 | .513 | DCB |

Files:
Area File: 07PCBS17284001.0030.RAW
Area File: 07PCBS17284001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:13 PM
File Reported On: 10/12/2017 at 5:03:33 PM

MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0030.RAW

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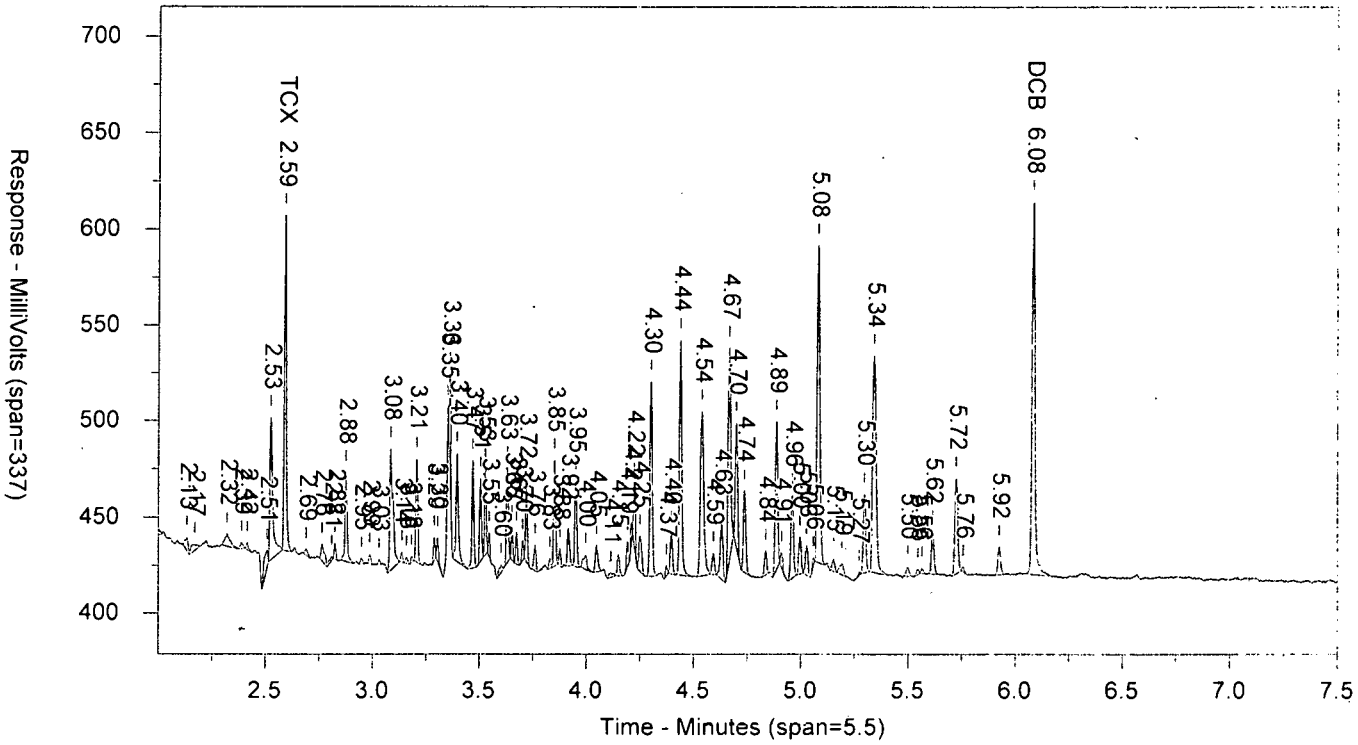
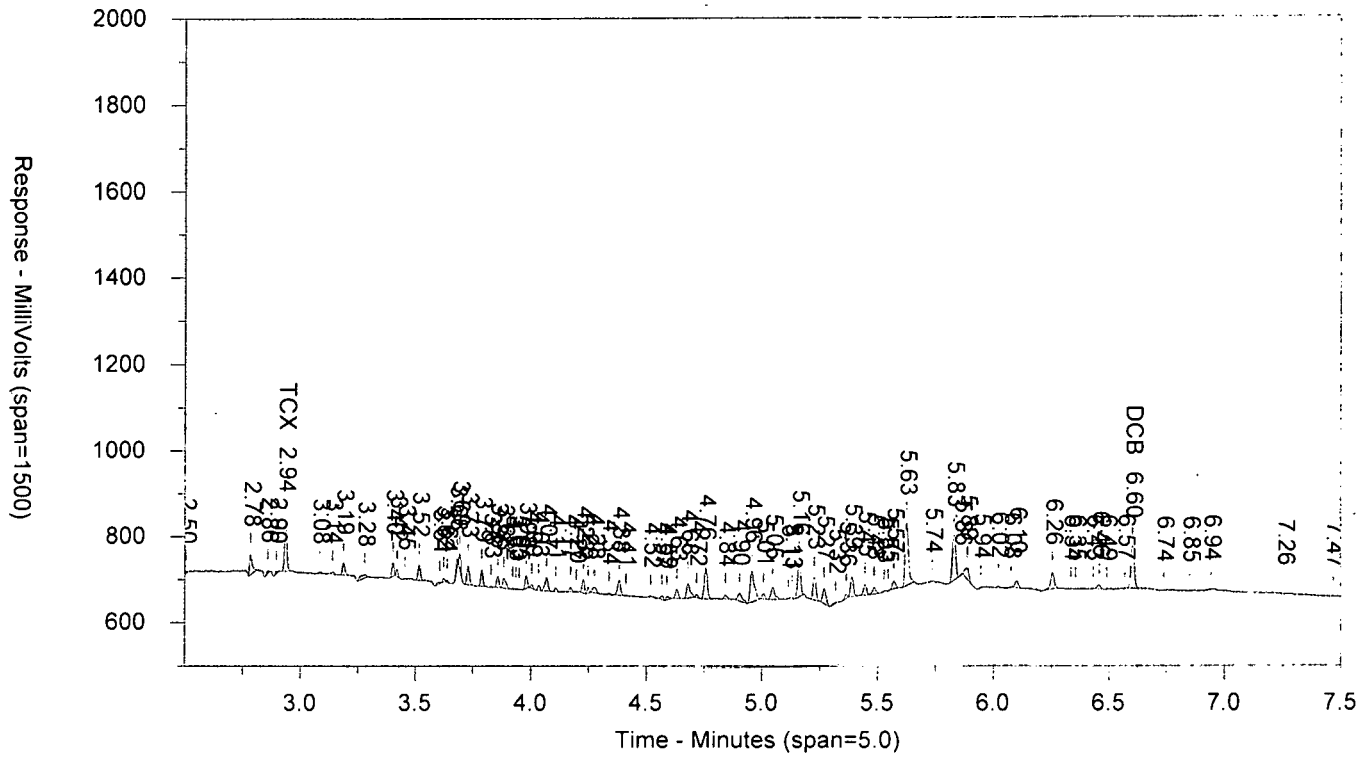


MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0030.RAW

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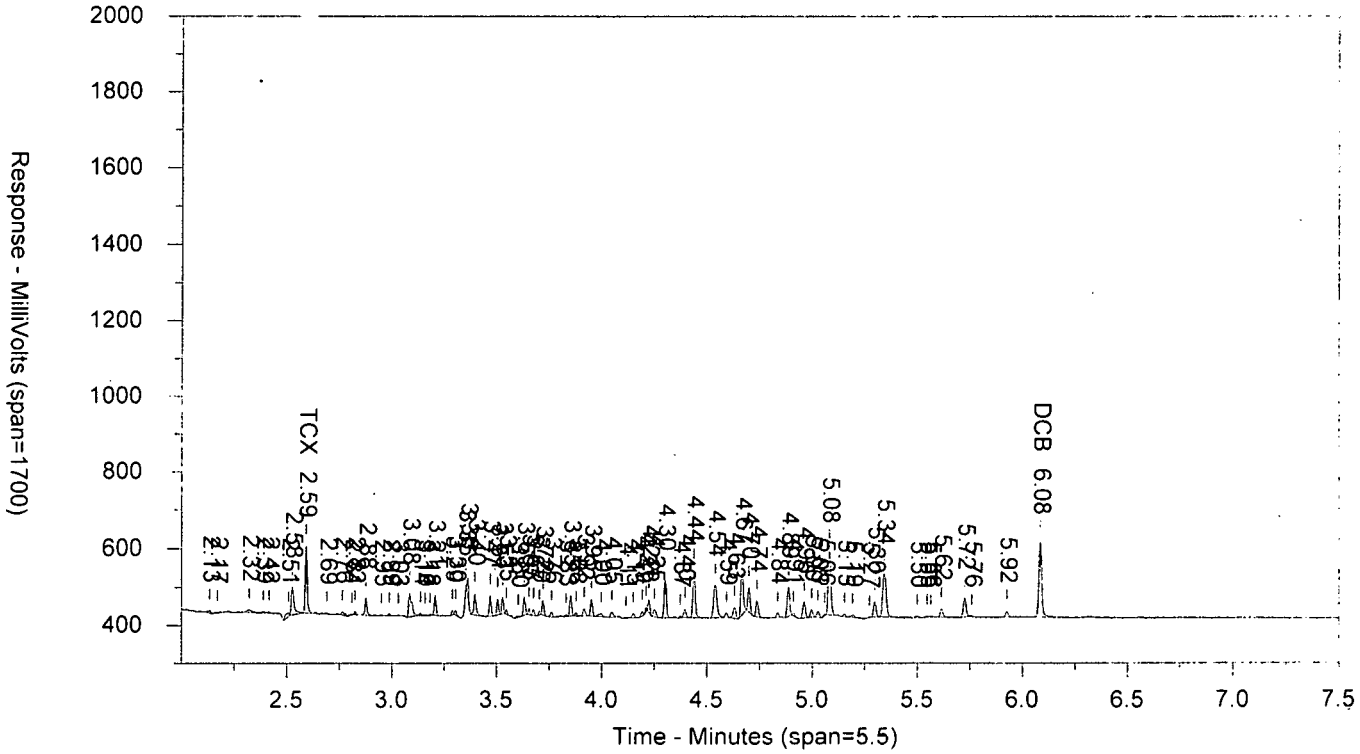


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.579 | | 28340 | 29182 |
| 1.614 | | 19494 | 45724 |
| 1.652 | | 3311 | 4420 |
| 1.739 | | 3286 | 2566 |
| 1.779 | | 4035 | 2788 |
| 2.067 | | 12279 | 40609 |
| 2.092 | | 5964 | 5788 |
| 2.165 | | 4899 | 3847 |
| 2.235 | | 79392 | 52952 |
| 2.334 | | 39918 | 45254 |
| 2.498 | | 7044 | 7468 |
| 2.544 | | 3454 | 2570 |
| 2.575 | | 10665 | 9437 |
| 2.617 | | 2719 | 1902 |
| 2.694 | | 2367 | 2286 |
| 2.787 | | 19413 | 20226 |
| 2.867 | | 17287 | 25861 |
| 2.908 | | 5472 | 9633 |
| 2.937 | TCX | 16686060 | 11089770 |
| 3.037 | | 5305 | 3912 |
| 3.086 | | 159194 | 148353 |
| 3.138 | | 274123 | 282158 |
| 3.189 | | 932086 | 677858 |
| 3.264 | | 39375 | 21948 |
| 3.282 | | 112522 | 70625 |
| 3.322 | | 3052 | 2191 |
| 3.403 | | 993460 | 577740 |
| 3.42 | | 481913 | 258151 |
| 3.457 | | 122668 | 69485 |
| 3.472 | | 20352 | 7030 |
| 3.484 | | 69941 | 36863 |
| 3.516 | | 1156763 | 855062 |
| 3.554 | | 5619 | 2529 |
| 3.573 | | 67058 | 41696 |
| 3.592 | | 35262 | 21304 |
| 3.626 | | 280009 | 161447 |
| 3.64 | | 160934 | 76255 |
| 3.683 | | 602576 | 339727 |
| 3.694 | | 1132329 | 572662 |
| 3.731 | | 1449382 | 1058574 |
| 3.79 | | 1217513 | 919993 |
| 3.831 | | 105590 | 70405 |
| 3.859 | | 789851 | 575337 |
| 3.885 | | 591945 | 491827 |
| 3.907 | | 158504 | 85159 |
| 3.981 | | 924198 | 657642 |
| 4.005 | | 358145 | 234940 |
| 4.037 | | 390895 | 275406 |
| 4.07 | | 1048565 | 963719 |
| 4.11 | | 333002 | 261070 |
| 4.156 | | 48083 | 42109 |
| 4.196 | | 65350 | 48442 |
| 4.228 | | 365372 | 255422 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.248 | | 317049 | 199640 |
| 4.271 | | 290371 | 224541 |
| 4.327 | | 3149 | 1452 |
| 4.341 | | 7197 | 4549 |
| 4.376 | | 91276 | 74662 |
| 4.417 | | 8285 | 5172 |
| 4.478 | | 1415 | 730 |
| 4.57 | | 10961 | 8664 |
| 4.607 | | 3029 | 4701 |
| 4.633 | | 5671 | 4895 |
| 4.672 | | 1785 | 486 |
| 4.683 | | 1643 | 404 |
| 4.699 | | 1651 | 454 |
| 4.717 | | 1779 | 772 |
| 4.846 | | 3535 | 2979 |
| 4.883 | | 4071 | 3837 |
| 4.904 | | 4867 | 9972 |
| 4.96 | | 3277 | 2891 |
| 5.039 | | 2467 | 2548 |
| 5.122 | | 10307 | 9547 |
| 5.165 | | 3974 | 3679 |
| 5.222 | | 2271 | 600 |
| 5.323 | | 2474 | 5536 |
| 5.364 | | 1281 | 350 |
| 5.389 | | 1311 | 698 |
| 5.432 | | 3819 | 6431 |
| 5.479 | | 2305 | 1662 |
| 5.531 | | 8809 | 9953 |
| 5.569 | | 2145 | 746 |
| 5.65 | | 42021 | 46092 |
| 5.737 | | 2799 | 2932 |
| 5.775 | | 1625 | 536 |
| 5.832 | | 8515 | 8813 |
| 5.877 | | 8340 | 9721 |
| 5.949 | | 2780 | 2501 |
| 6.022 | | 175356 | 173750 |
| 6.086 | | 169383 | 178886 |
| 6.189 | | 2138 | 1830 |
| 6.256 | | 6920 | 11292 |
| 6.411 | | 1357 | 511 |
| 6.424 | | 2194 | 1293 |
| 6.457 | | 156488 | 158648 |
| 6.518 | | 2278 | 1067 |
| 6.556 | | 1157 | 425 |
| 6.603 | DCB | 11736090 | 12025700 |
| 7.047 | | 6826 | 8302 |
| 7.076 | | 1827 | 450 |
| 7.158 | | 1952 | 1123 |
| 7.265 | | 1386 | 464 |
| 7.277 | | 2081 | 588 |
| 7.355 | | 1429 | 711 |
| 7.492 | | 1804 | 439 |
| 7.588 | | 1337 | 437 |
| 7.689 | | 1766 | 568 |
| 7.697 | | 1889 | 386 |
| 7.772 | | 1226 | 680 |
| 7.95 | | 2305 | 763 |
| 7.986 | | 1365 | 990 |
| 8.06 | | 1859 | 366 |
| 8.232 | | 1394 | 663 |
| 8.324 | | 1112 | 505 |
| 8.448 | | 1197 | 346 |
| 8.483 | | 1239 | 444 |
| 8.576 | | 1819 | 1859 |
| 8.685 | | 1719 | 575 |

LANCASTER LABORATORIES

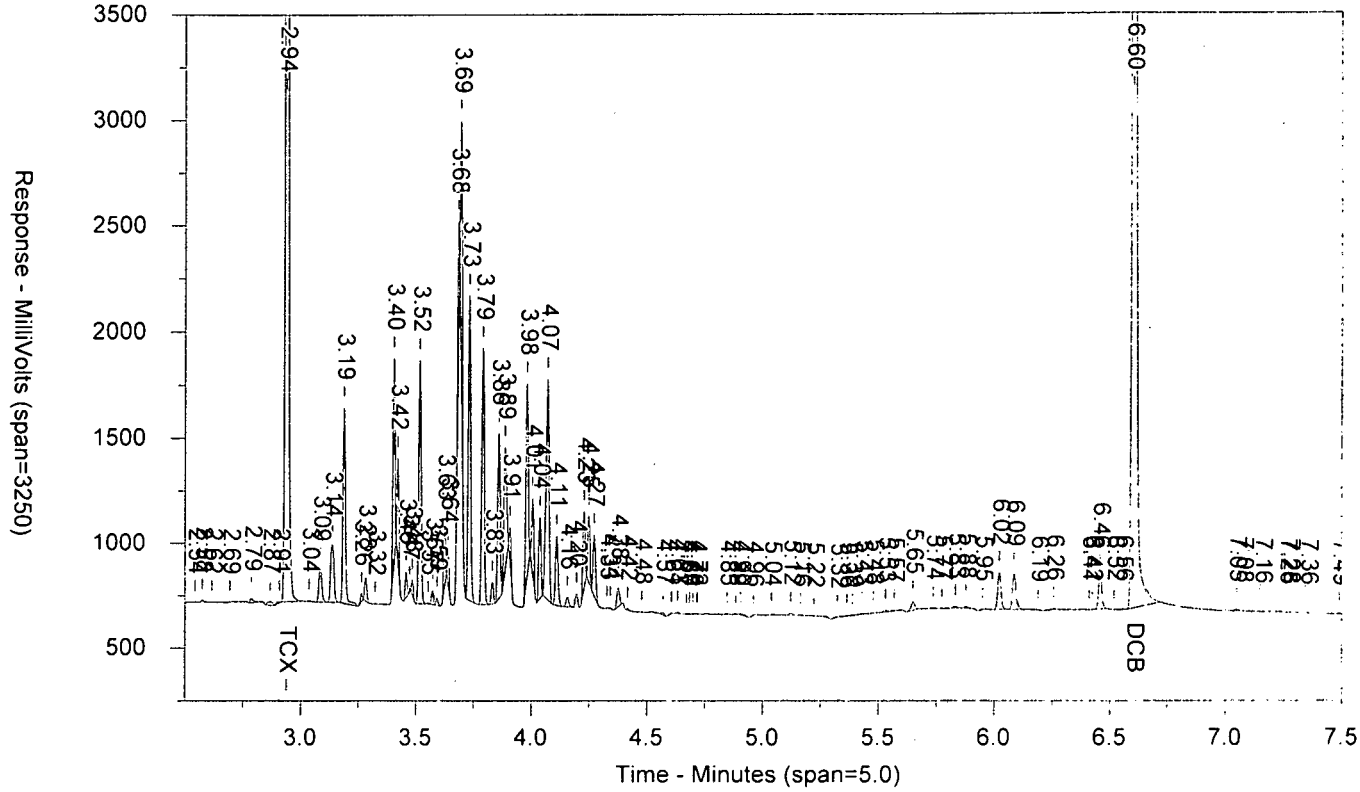
Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.53 | | 2779 | 2587 |
| 1.558 | | 5923 | 4511 |
| 1.648 | | 3551 | 1849 |
| 1.723 | | 5801 | 2995 |
| 1.758 | | 9107 | 18449 |
| 1.797 | | 4446 | 3658 |
| 1.903 | | 153609 | 128343 |
| 1.967 | | 9222 | 13082 |
| 2.03 | | 49228 | 39100 |
| 2.125 | | 8407 | 11879 |
| 2.162 | | 5293 | 5867 |
| 2.183 | | 2650 | 1837 |
| 2.276 | | 13292 | 7612 |
| 2.388 | | 4435 | 3735 |
| 2.415 | | 4196 | 2699 |
| 2.509 | | 8050 | 13222 |
| 2.525 | | 32948 | 21602 |
| 2.591 | TCX | 25287570 | 15702490 |
| 2.635 | | 61065 | 26360 |
| 2.763 | | 273313 | 210037 |
| 2.809 | | 261980 | 129523 |
| 2.824 | | 226692 | 116263 |
| 2.876 | | 1378295 | 888050 |
| 2.925 | | 64612 | 37707 |
| 2.987 | | 190309 | 139847 |
| 3.084 | | 1742510 | 1746034 |
| 3.135 | | 219574 | 133276 |
| 3.156 | | 97116 | 56554 |
| 3.182 | | 152398 | 83085 |
| 3.205 | | 1712377 | 1147870 |
| 3.243 | | 62715 | 36837 |
| 3.27 | | 107128 | 56178 |
| 3.289 | | 437262 | 229951 |
| 3.304 | | 254691 | 121610 |
| 3.354 | | 824858 | 397814 |
| 3.363 | | 1879245 | 821171 |
| 3.384 | | 60216 | 21531 |
| 3.397 | | 1764586 | 1185652 |
| 3.471 | | 1909524 | 1178415 |
| 3.506 | | 1234304 | 759869 |
| 3.529 | | 1336213 | 746728 |
| 3.547 | | 432315 | 219374 |
| 3.597 | | 4821 | 2837 |
| 3.632 | | 1596177 | 1039616 |
| 3.654 | | 602539 | 324236 |
| 3.675 | | 580117 | 337943 |
| 3.703 | | 380302 | 193561 |
| 3.721 | | 1310441 | 807587 |
| 3.762 | | 483135 | 343325 |
| 3.811 | | 57617 | 46771 |
| 3.832 | | 338526 | 213932 |
| 3.855 | | 747392 | 483624 |
| 3.879 | | 354463 | 212795 |
| 3.897 | | 55176 | 27190 |

| | | | |
|---|---|---|---|
| 3.917 | | 20198 | 11520 |
| 3.935 | | 4902 | 2129 |
| 3.952 | | 34037 | 21089 |
| 3.986 | | 36612 | 20966 |
| 4 | | 35941 | 15389 |
| 4.013 | | 16205 | 7339 |
| 4.049 | | 13782 | 12043 |
| 4.111 | | 3370 | 4047 |
| 4.151 | | 5573 | 4137 |
| 4.185 | | 2882 | 2054 |
| 4.212 | | 7826 | 6300 |
| 4.303 | | 3578 | 2874 |
| 4.376 | | 3035 | 2011 |
| 4.413 | | 7803 | 5364 |
| 4.44 | | 3540 | 2729 |
| 4.553 | | 8146 | 9681 |
| 4.59 | | 5325 | 4517 |
| 4.639 | | 17120 | 12763 |
| 4.669 | | 8109 | 13512 |
| 4.884 | | 3948 | 3527 |
| 4.955 | | 5588 | 4871 |
| 5.015 | | 2064 | 1338 |
| 5.032 | | 8360 | 6284 |
| 5.081 | | 3572 | 5295 |
| 5.155 | | 34798 | 29014 |
| 5.194 | | 3456 | 2891 |
| 5.275 | | 3187 | 2503 |
| 5.298 | | 5219 | 5549 |
| 5.347 | | 15423 | 14488 |
| 5.499 | | 193979 | 172660 |
| 5.567 | | 192315 | 173453 |
| 5.617 | | 10615 | 8696 |
| 5.726 | | 8989 | 11987 |
| 5.815 | | 1361 | 955 |
| 5.878 | | 4322 | 4032 |
| 5.926 | | 266972 | 228976 |
| 6.085 | DCB | 21579930 | 19438060 |
| 6.251 | | 7076 | 6607 |
| 6.489 | | 2898 | 2061 |
| 6.536 | | 16239 | 19266 |
| 7.581 | | 1856 | 2716 |
| 7.952 | | 2435 | 4839 |
| 8.163 | | 9377 | 16399 |

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0031.RAW

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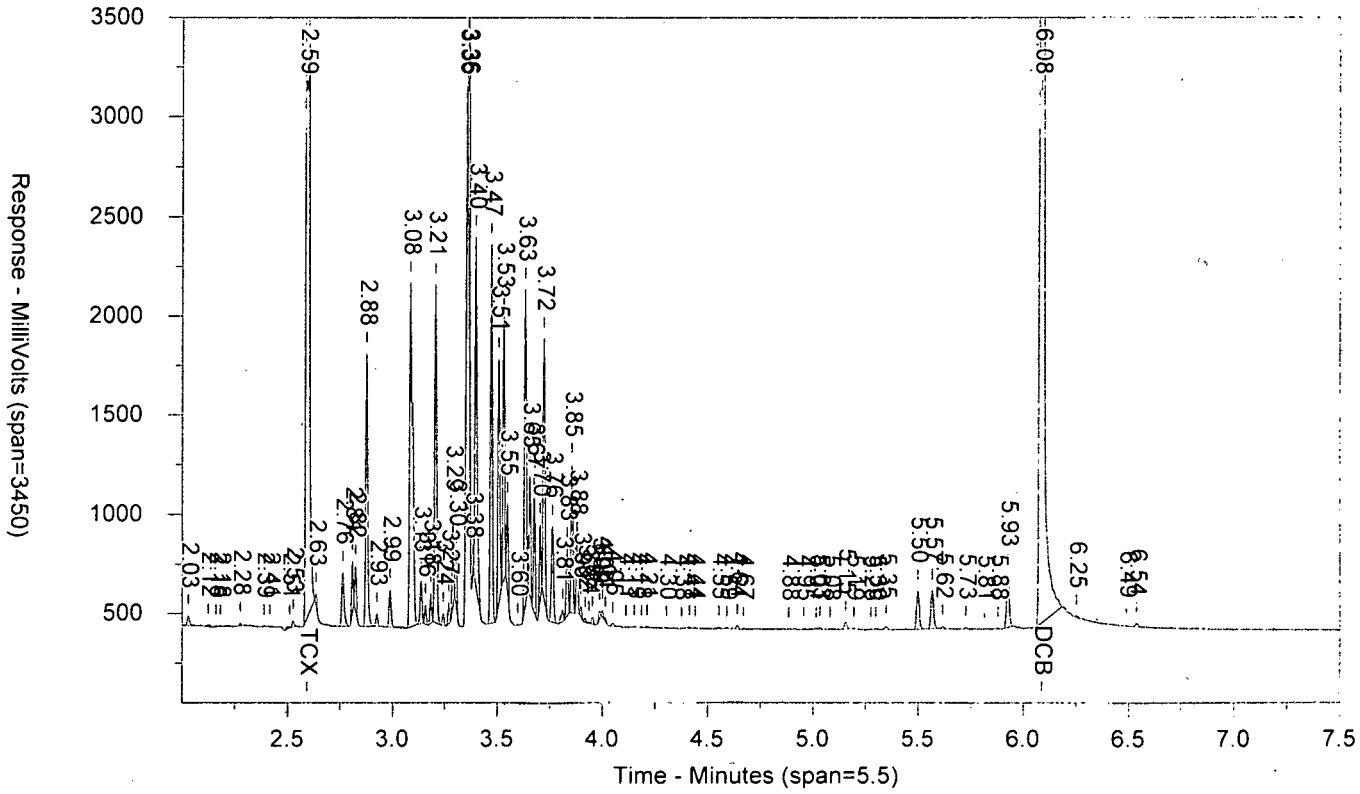


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

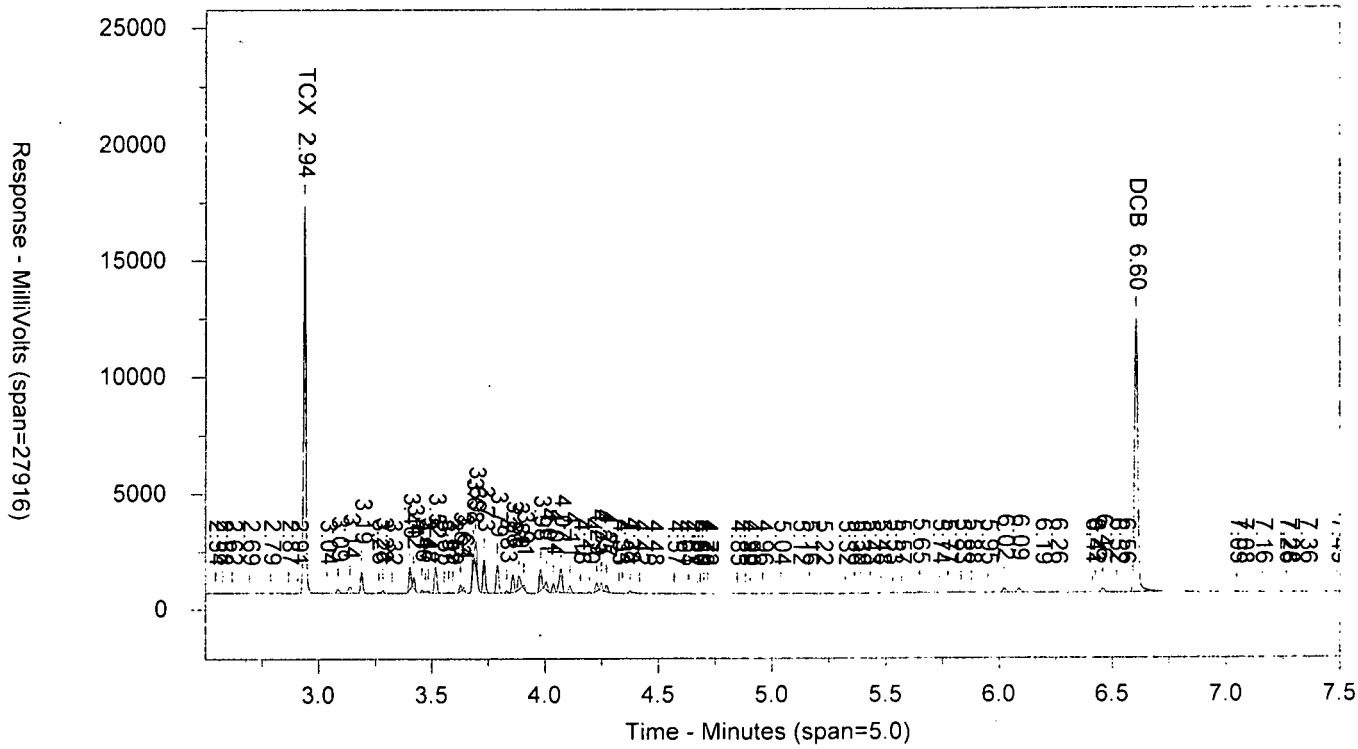
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 16686060 | 60.871 | TCX | 2.591 | 25287570 | 61.003 | TCX |
| 6.603 | 11736090 | 58.162 | DCB | 6.085 | 21579930 | 57.006 | DCB |

Files:
Area File: 07PCBS17284001.0031.RAW
Area File: 07PCBS17284001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:14 PM
File Reported On: 10/12/2017 at 5:03:43 PM

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0031.RAW

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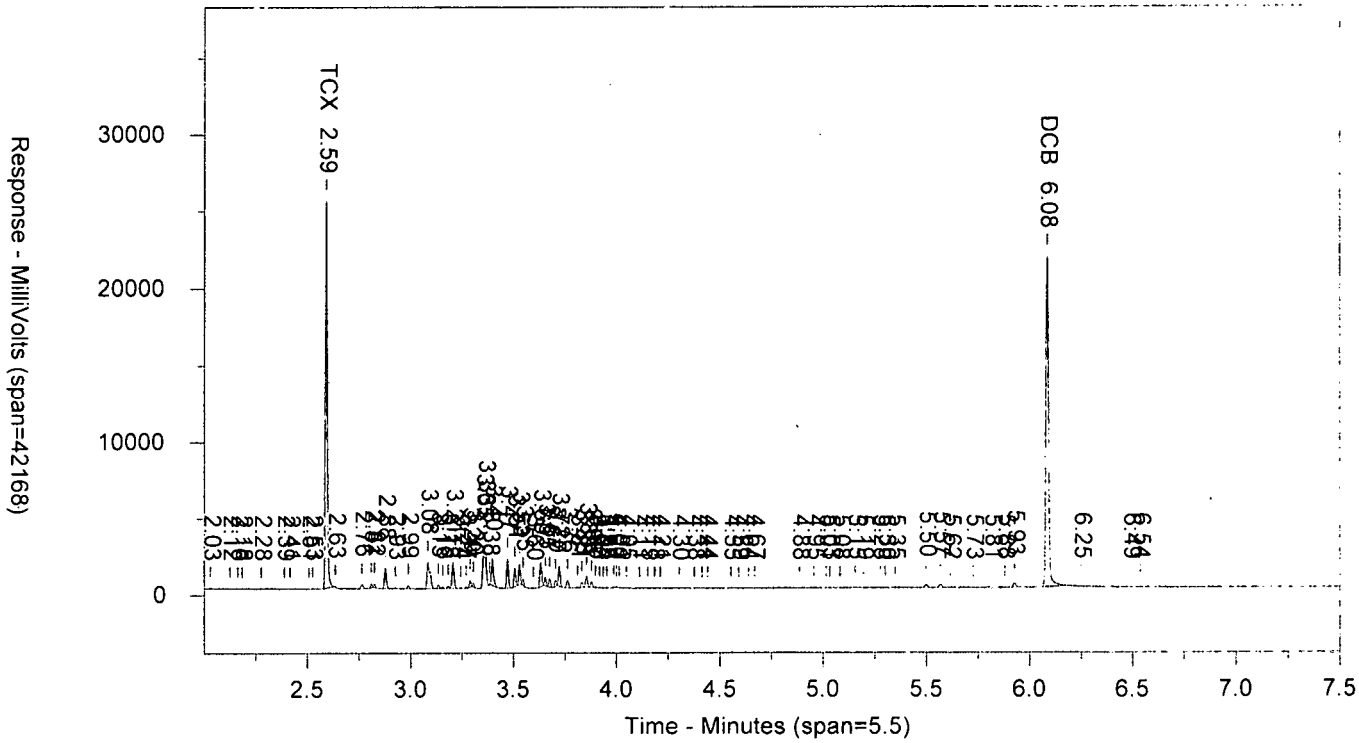

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

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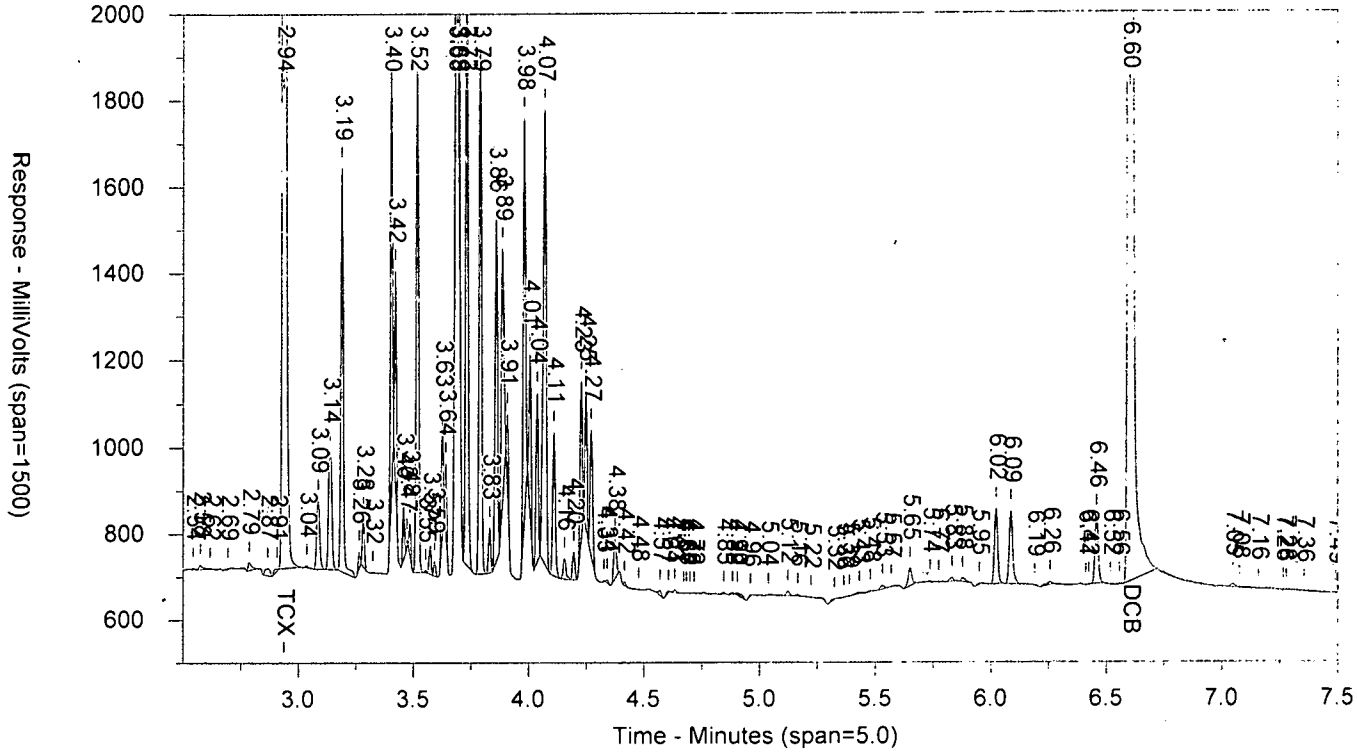


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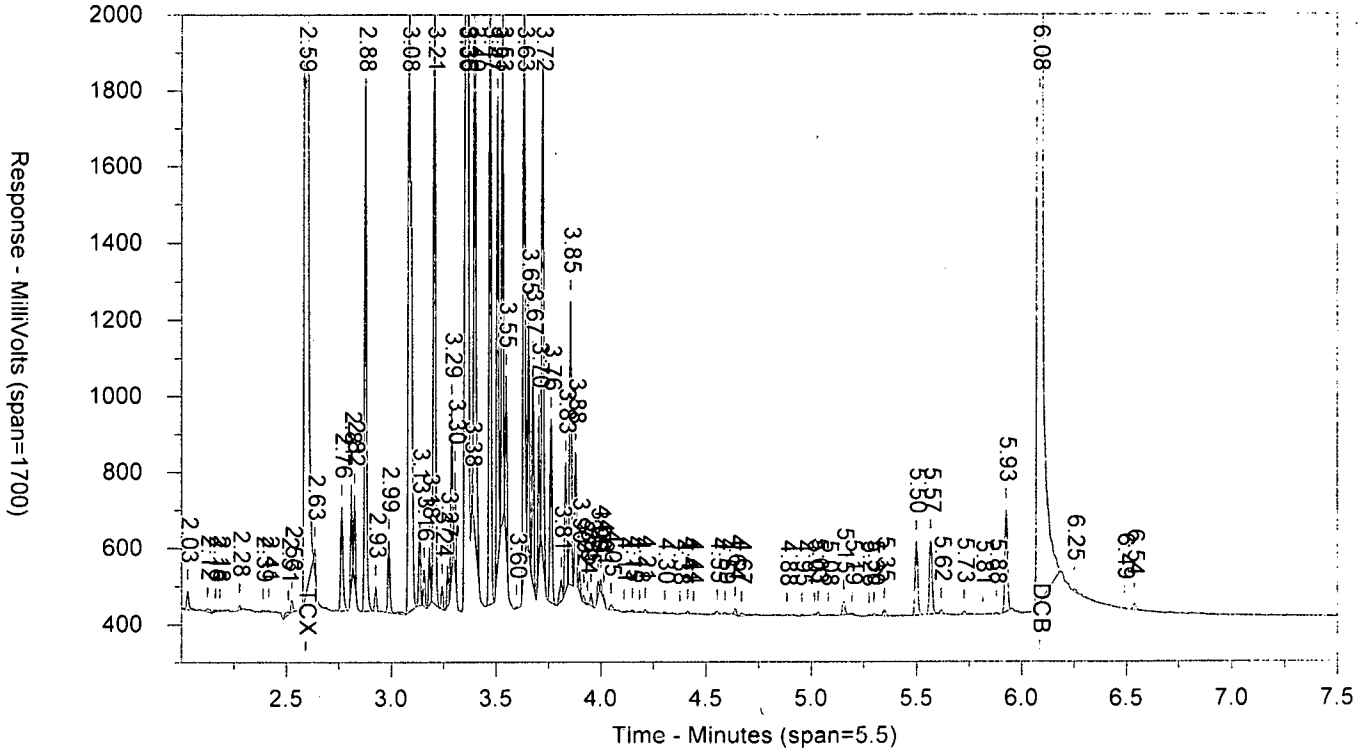


LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.577 | | 22248 | 21331 |
| 1.609 | | 4589 | 11652 |
| 1.734 | | 4636 | 4548 |
| 1.786 | | 1799 | 812 |
| 2.065 | | 10443 | 34380 |
| 2.089 | | 5521 | 2786 |
| 2.182 | | 3742 | 7020 |
| 2.234 | | 56493 | 37860 |
| 2.334 | | 38202 | 37863 |
| 2.498 | | 7969 | 9621 |
| 2.543 | | 4206 | 2887 |
| 2.575 | | 8077 | 5723 |
| 2.691 | | 1685 | 1695 |
| 2.786 | | 9706 | 6758 |
| 2.864 | | 19862 | 31961 |
| 2.91 | | 3292 | 8316 |
| 2.937 | TCX | 11204570 | 7414995 |
| 3.037 | | 4185 | 2770 |
| 3.086 | | 180569 | 169384 |
| 3.14 | | 243958 | 240579 |
| 3.189 | | 967678 | 678805 |
| 3.264 | | 25241 | 14660 |
| 3.282 | | 128061 | 81388 |
| 3.402 | | 1015709 | 605363 |
| 3.419 | | 498463 | 266795 |
| 3.456 | | 123858 | 70744 |
| 3.471 | | 20550 | 8037 |
| 3.483 | | 71654 | 35335 |
| 3.517 | | 1219035 | 905578 |
| 3.553 | | 7074 | 3672 |
| 3.571 | | 33021 | 19914 |
| 3.592 | | 48524 | 30686 |
| 3.625 | | 300608 | 166861 |
| 3.64 | | 155932 | 75592 |
| 3.682 | | 660068 | 367687 |
| 3.693 | | 1234040 | 592927 |
| 3.73 | | 1471576 | 1094005 |
| 3.79 | | 1253184 | 952111 |
| 3.83 | | 107233 | 74742 |
| 3.858 | | 877360 | 617449 |
| 3.885 | | 614991 | 524248 |
| 3.906 | | 145243 | 71311 |
| 3.981 | | 942357 | 667287 |
| 4.005 | | 344259 | 223702 |
| 4.036 | | 371562 | 257147 |
| 4.069 | | 864029 | 812912 |
| 4.109 | | 248585 | 194156 |
| 4.155 | | 21847 | 17015 |
| 4.172 | | 3751 | 1576 |
| 4.194 | | 45685 | 32317 |
| 4.229 | | 801385 | 584841 |
| 4.247 | | 106807 | 52422 |
| 4.271 | | 164762 | 124713 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.341 | | 149801 | 123020 |
| 4.383 | | 972478 | 927784 |
| 4.417 | | 24511 | 16329 |
| 4.478 | | 11353 | 8855 |
| 4.519 | | 116829 | 116100 |
| 4.571 | | 107538 | 68086 |
| 4.589 | | 282438 | 198332 |
| 4.633 | | 598248 | 534465 |
| 4.681 | | 1102363 | 1173327 |
| 4.718 | | 241491 | 170361 |
| 4.757 | | 2121664 | 1978099 |
| 4.799 | | 14881 | 12701 |
| 4.843 | | 271602 | 291201 |
| 4.877 | | 21622 | 13896 |
| 4.904 | | 376119 | 349154 |
| 4.956 | | 2077978 | 2598804 |
| 5.007 | | 431718 | 400839 |
| 5.047 | | 966871 | 1109181 |
| 5.127 | | 210915 | 247549 |
| 5.161 | | 2605616 | 2310817 |
| 5.183 | | 96037 | 51709 |
| 5.203 | | 26644 | 10769 |
| 5.228 | | 1581985 | 1473564 |
| 5.27 | | 1019584 | 950929 |
| 5.311 | | 8522 | 8987 |
| 5.364 | | 348361 | 275595 |
| 5.389 | | 1532463 | 1359977 |
| 5.446 | | 815885 | 768668 |
| 5.485 | | 471820 | 485276 |
| 5.528 | | 98954 | 102455 |
| 5.57 | | 620014 | 678769 |
| 5.627 | | 4315757 | 4875884 |
| 5.732 | | 70248 | 79303 |
| 5.832 | | 3115998 | 2921405 |
| 5.863 | | 166222 | 101380 |
| 5.886 | | 760201 | 806474 |
| 5.945 | | 7284 | 7024 |
| 6.021 | | 260401 | 253870 |
| 6.101 | | 625603 | 946330 |
| 6.256 | | 1187856 | 1251695 |
| 6.3 | | 73372 | 64662 |
| 6.414 | | 1159 | 491 |
| 6.456 | | 486892 | 517797 |
| 6.603 | DCB | 8164752 | 8265648 |
| 6.898 | | 1526 | 753 |
| 6.931 | | 1763 | 730 |
| 7.05 | | 4807 | 4264 |
| 7.202 | | 1644 | 866 |
| 7.615 | | 1055 | 450 |
| 7.656 | | 1135 | 451 |
| 7.777 | | 840 | 542 |
| 7.872 | | 1248 | 1253 |
| 7.921 | | 1773 | 804 |
| 8.523 | | 1277 | 418 |
| 8.574 | | 2972 | 3006 |

LANCASTER LABORATORIES

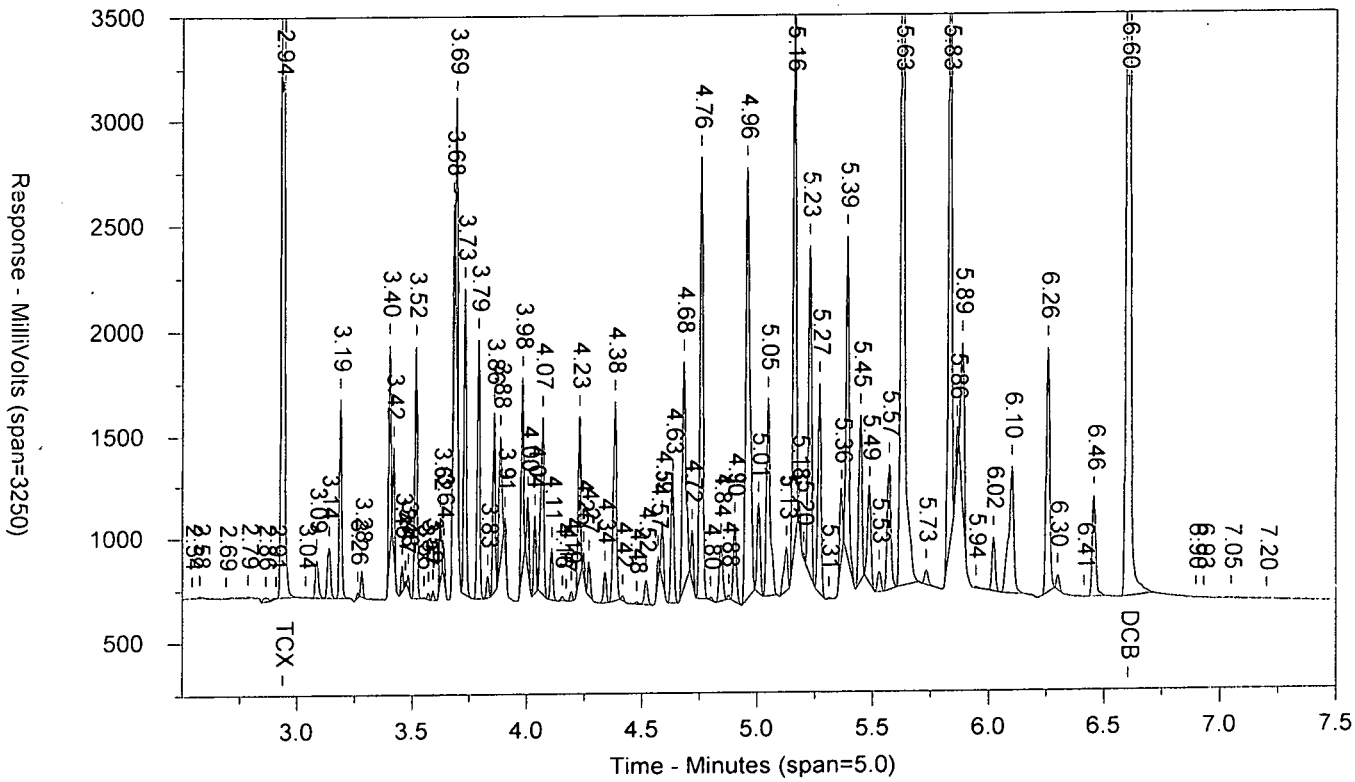
Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.53 | | 4985 | 4280 |
| 1.559 | | 7583 | 5688 |
| 1.694 | | 4944 | 8626 |
| 1.725 | | 4749 | 2354 |
| 1.756 | | 2583 | 3937 |
| 1.817 | | 3774 | 7847 |
| 1.903 | | 113419 | 98421 |
| 1.966 | | 10398 | 23823 |
| 2.03 | | 36357 | 29258 |
| 2.162 | | 4420 | 5046 |
| 2.217 | | 3173 | 3563 |
| 2.276 | | 15156 | 14249 |
| 2.389 | | 5950 | 5408 |
| 2.508 | | 8016 | 12116 |
| 2.525 | | 17122 | 10137 |
| 2.592 | TCX | 17211130 | 10506330 |
| 2.635 | | 81773 | 43020 |
| 2.764 | | 298517 | 236148 |
| 2.809 | | 171529 | 81121 |
| 2.824 | | 259520 | 134017 |
| 2.877 | | 1397073 | 930154 |
| 2.925 | | 44859 | 24616 |
| 2.987 | | 201995 | 135544 |
| 3.084 | | 1815408 | 1866209 |
| 3.135 | | 223794 | 136737 |
| 3.156 | | 109235 | 64435 |
| 3.182 | | 147299 | 81543 |
| 3.206 | | 1799474 | 1214645 |
| 3.243 | | 73522 | 44645 |
| 3.27 | | 47789 | 23591 |
| 3.289 | | 466702 | 239048 |
| 3.304 | | 263596 | 125967 |
| 3.354 | | 813201 | 423207 |
| 3.363 | | 1893446 | 807914 |
| 3.383 | | 79337 | 25784 |
| 3.397 | | 1768170 | 1212485 |
| 3.47 | | 1957965 | 1212557 |
| 3.506 | | 1298983 | 814195 |
| 3.529 | | 1431232 | 789665 |
| 3.546 | | 423626 | 212603 |
| 3.599 | | 3894 | 3869 |
| 3.631 | | 1595639 | 1037719 |
| 3.654 | | 578190 | 309948 |
| 3.675 | | 533283 | 309756 |
| 3.703 | | 329801 | 172361 |
| 3.72 | | 1038747 | 617050 |
| 3.761 | | 353954 | 248908 |
| 3.808 | | 46819 | 47494 |
| 3.831 | | 142265 | 82588 |
| 3.852 | | 1264433 | 839434 |
| 3.878 | | 181686 | 105201 |
| 3.897 | | 27329 | 12600 |
| 3.917 | | 192929 | 124775 |
| 3.952 | | 1297322 | 892280 |

| | | | |
|---|---|---|---|
| 3.985 | | 52566 | 28457 |
| 4 | | 74745 | 47858 |
| 4.047 | | 9097 | 5434 |
| 4.062 | | 5498 | 2942 |
| 4.093 | | 78900 | 96121 |
| 4.151 | | 313087 | 220127 |
| 4.193 | | 410452 | 251269 |
| 4.211 | | 249053 | 122394 |
| 4.225 | | 1063304 | 607602 |
| 4.25 | | 552442 | 565486 |
| 4.302 | | 3103336 | 2399009 |
| 4.35 | | 48241 | 40389 |
| 4.372 | | 195596 | 127909 |
| 4.396 | | 673359 | 521251 |
| 4.438 | | 3750538 | 2952053 |
| 4.54 | | 2932992 | 2909620 |
| 4.593 | | 367260 | 295072 |
| 4.631 | | 858201 | 752225 |
| 4.667 | | 3543818 | 2945125 |
| 4.7 | | 2036280 | 1450186 |
| 4.737 | | 1298715 | 1079020 |
| 4.836 | | 426479 | 315111 |
| 4.854 | | 43184 | 21018 |
| 4.887 | | 2554494 | 2000849 |
| 4.91 | | 231411 | 143859 |
| 4.96 | | 1289470 | 1176780 |
| 4.996 | | 648926 | 529363 |
| 5.027 | | 522437 | 430728 |
| 5.059 | | 149690 | 92775 |
| 5.082 | | 5871065 | 5102725 |
| 5.123 | | 103751 | 73062 |
| 5.154 | | 230881 | 184142 |
| 5.274 | | 60627 | 41301 |
| 5.298 | | 1241247 | 1074786 |
| 5.342 | | 3982996 | 4333123 |
| 5.498 | | 287399 | 250799 |
| 5.545 | | 85697 | 62174 |
| 5.567 | | 205028 | 153406 |
| 5.615 | | 748585 | 684168 |
| 5.725 | | 1655966 | 1451961 |
| 5.756 | | 80765 | 56462 |
| 5.925 | | 793113 | 751168 |
| 6.084 | DCB | 13819260 | 12702800 |
| 6.256 | | 8260 | 9447 |
| 6.536 | | 12324 | 14600 |
| 6.809 | | 2588 | 2605 |
| 7.709 | | 1775 | 5113 |
| 7.888 | | 1824 | 2326 |
| 8.161 | | 10367 | 20483 |

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0032.RAW

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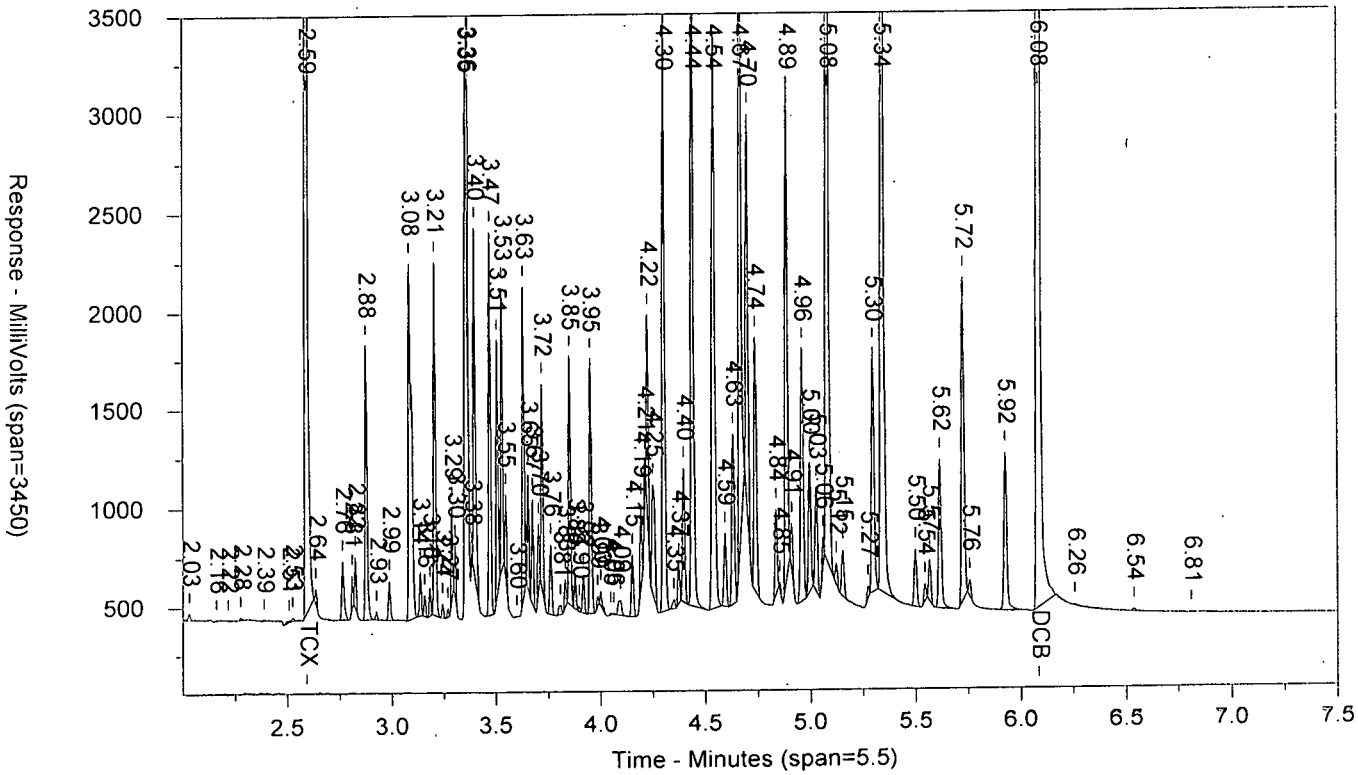

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 11204570 | 40.875 | TCX | 2.592 | 17211130 | 41.52 | TCX |
| 6.603 | 8164752 | 40.463 | DCB | 6.084 | 13819260 | 36.505 | DCB |

Files:
Area File: 07PCBS17284001.0032.RAW
Area File: 07PCBS17284001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:06:16 AM
File Reported On: 10/12/2017 at 1:06:29 AM

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

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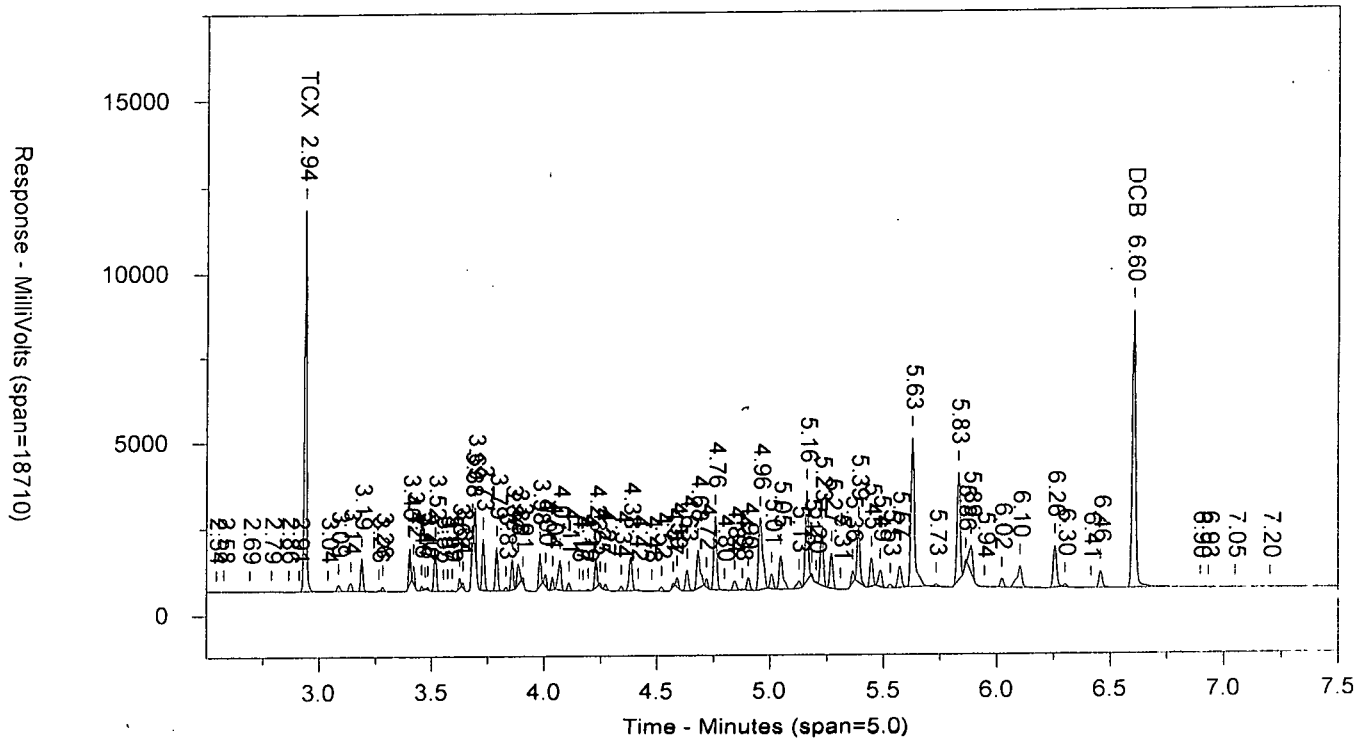


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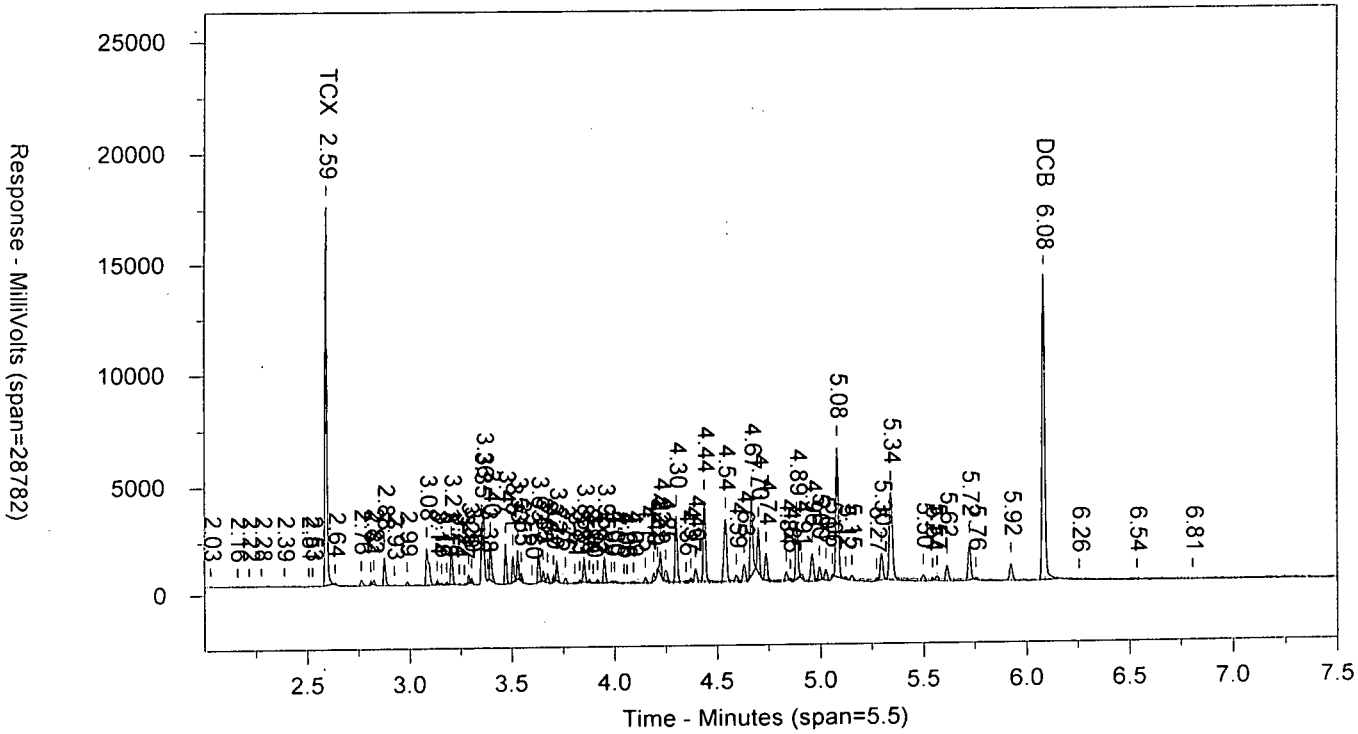

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

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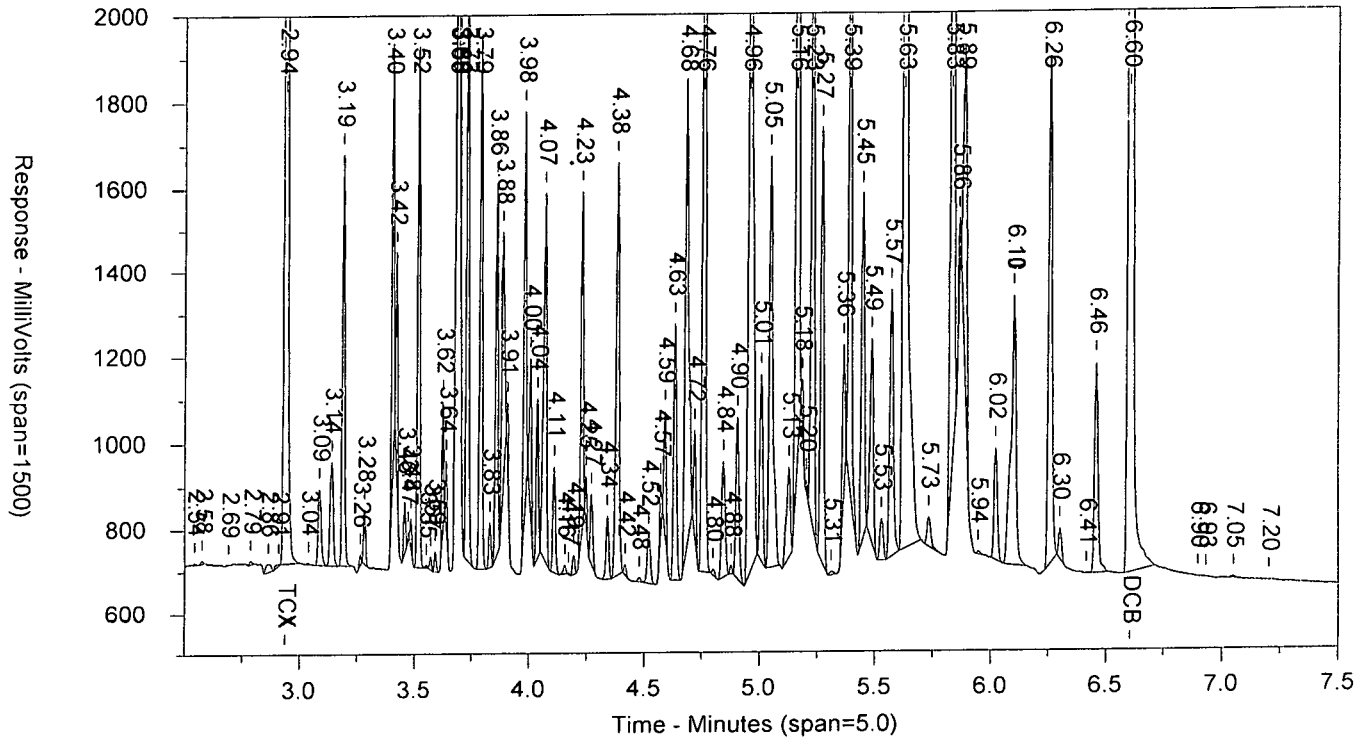


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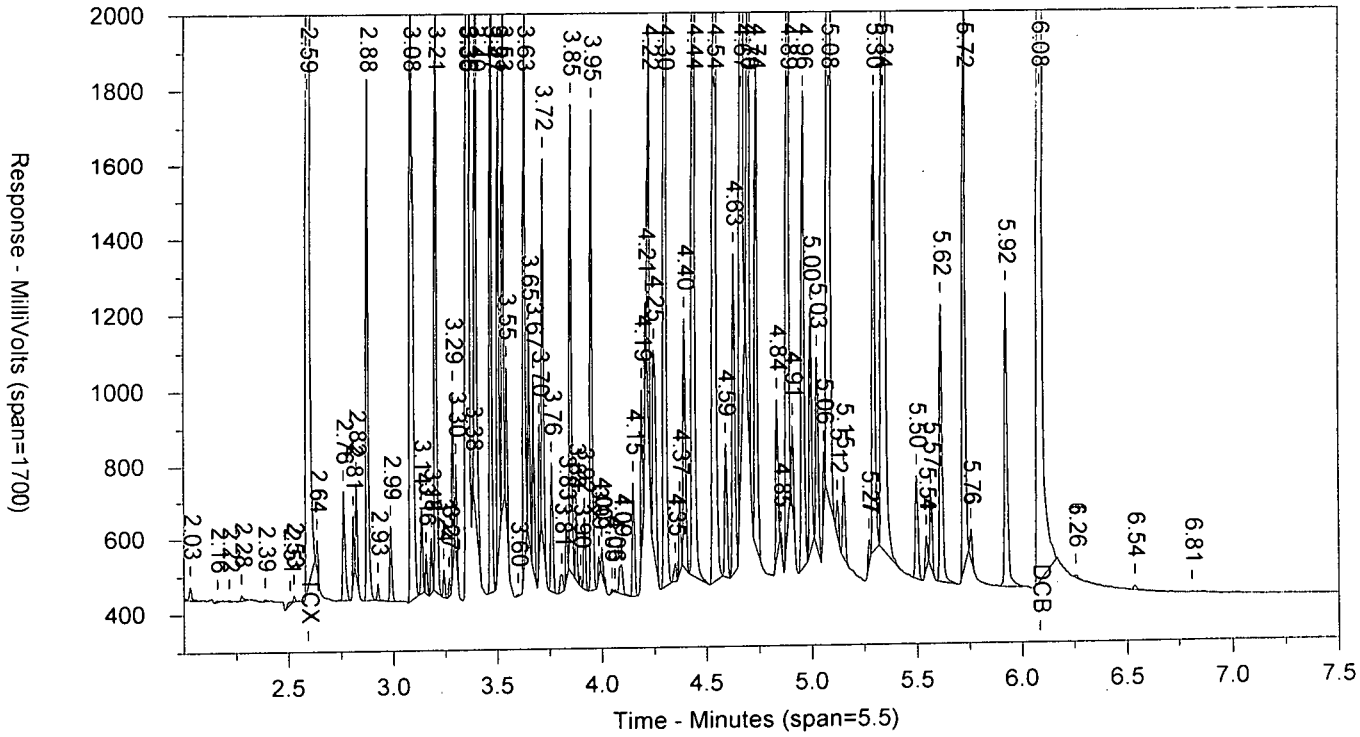

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.515 | | 4227 | 2546 |
| 1.61 | | 20370 | 72635 |
| 1.648 | | 5868 | 14545 |
| 1.733 | | 3091 | 2198 |
| 1.915 | | 1805 | 883 |
| 1.987 | | 1737 | 2973 |
| 2.065 | | 14523 | 42889 |
| 2.09 | | 8812 | 10630 |
| 2.171 | | 3038 | 3902 |
| 2.235 | | 53580 | 37779 |
| 2.333 | | 34276 | 33738 |
| 2.428 | | 2555 | 1367 |
| 2.501 | | 6273 | 9889 |
| 2.541 | | 3702 | 2343 |
| 2.616 | | 3946 | 2902 |
| 2.683 | | 2086 | 1959 |
| 2.708 | | 2779 | 1849 |
| 2.786 | | 37714 | 36832 |
| 2.868 | | 14680 | 22848 |
| 2.901 | | 7932 | 8011 |
| 2.937 | TCX | 10952230 | 7233699 |
| 3.037 | | 3591 | 2523 |
| 3.088 | | 32135 | 30369 |
| 3.134 | | 151775 | 116178 |
| 3.189 | | 137999 | 99297 |
| 3.264 | | 31996 | 20649 |
| 3.282 | | 32110 | 19521 |
| 3.403 | | 507131 | 308030 |
| 3.419 | | 164022 | 81926 |
| 3.456 | | 37566 | 20867 |
| 3.472 | | 11284 | 11671 |
| 3.517 | | 493539 | 357981 |
| 3.573 | | 47319 | 30118 |
| 3.594 | | 25072 | 16992 |
| 3.625 | | 103704 | 62078 |
| 3.64 | | 25817 | 11842 |
| 3.682 | | 525594 | 279013 |
| 3.694 | | 465809 | 228039 |
| 3.731 | | 622014 | 496784 |
| 3.79 | | 721792 | 541767 |
| 3.83 | | 113039 | 77975 |
| 3.858 | | 1253034 | 892888 |
| 3.885 | | 834326 | 641372 |
| 3.906 | | 210788 | 112947 |
| 3.98 | | 1394452 | 1010733 |
| 4.005 | | 436962 | 290133 |
| 4.036 | | 546198 | 384158 |
| 4.069 | | 1296345 | 1156071 |
| 4.109 | | 443749 | 346168 |
| 4.155 | | 45584 | 37852 |
| 4.195 | | 155541 | 117108 |
| 4.228 | | 1135025 | 759033 |
| 4.247 | | 1466959 | 903306 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.27 | | 1697502 | 1254213 |
| 4.341 | | 152184 | 139982 |
| 4.375 | | 1092294 | 926152 |
| 4.395 | | 384717 | 193085 |
| 4.417 | | 416131 | 282586 |
| 4.458 | | 25286 | 16106 |
| 4.48 | | 94062 | 67703 |
| 4.521 | | 463477 | 420626 |
| 4.571 | | 622702 | 538194 |
| 4.603 | | 427843 | 316093 |
| 4.632 | | 1101992 | 979103 |
| 4.681 | | 14644 | 9198 |
| 4.715 | | 393689 | 378338 |
| 4.757 | | 81632 | 101481 |
| 4.805 | | 101753 | 92655 |
| 4.846 | | 639841 | 636227 |
| 4.923 | | 74640 | 99756 |
| 4.958 | | 36111 | 30375 |
| 4.97 | | 21433 | 13920 |
| 5.043 | | 523390 | 539469 |
| 5.089 | | 15753 | 12067 |
| 5.116 | | 17954 | 24749 |
| 5.162 | | 152437 | 140394 |
| 5.183 | | 6993 | 3028 |
| 5.201 | | 10539 | 6125 |
| 5.319 | | 11440 | 16760 |
| 5.368 | | 57720 | 48886 |
| 5.391 | | 7925 | 5022 |
| 5.431 | | 1336 | 346 |
| 5.44 | | 1944 | 686 |
| 5.486 | | 3527 | 4234 |
| 5.509 | | 1514 | 415 |
| 5.528 | | 7612 | 8380 |
| 5.567 | | 37929 | 35518 |
| 5.591 | | 12206 | 16567 |
| 5.651 | | 43105 | 65809 |
| 5.787 | | 1742 | 510 |
| 5.832 | | 35755 | 38094 |
| 5.884 | | 19597 | 53409 |
| 5.964 | | 5906 | 21874 |
| 6.022 | | 140173 | 138346 |
| 6.085 | | 139374 | 143847 |
| 6.238 | | 5120 | 11198 |
| 6.255 | | 8712 | 7713 |
| 6.351 | | 1819 | 489 |
| 6.425 | | 2386 | 1206 |
| 6.457 | | 124046 | 122704 |
| 6.501 | | 3707 | 4533 |
| 6.545 | | 1477 | 558 |
| 6.603 | DCB | 7782639 | 7960524 |
| 6.746 | | 3243 | 3853 |
| 7.004 | | 2890 | 4544 |
| 7.045 | | 5404 | 5465 |
| 7.277 | | 2412 | 1613 |
| 7.52 | | 1496 | 573 |
| 7.575 | | 2260 | 465 |
| 7.629 | | 1376 | 4830 |
| 7.64 | | 1552 | 374 |
| 7.856 | | 1295 | 929 |
| 7.962 | | 1858 | 3498 |
| 7.989 | | 1390 | 737 |
| 8.002 | | 1631 | 897 |
| 8.032 | | 1382 | 697 |
| 8.097 | | 2004 | 475 |
| 8.37 | | 1327 | 1097 |
| 8.551 | | 1269 | 708 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.57 | | 2115 | 1626 |

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 5384 | 4778 |
| 1.556 | | 3646 | 3781 |
| 1.683 | | 4663 | 10830 |
| 1.771 | | 6952 | 15633 |
| 1.795 | | 7154 | 7220 |
| 1.818 | | 8618 | 9296 |
| 1.863 | | 7674 | 19615 |
| 1.903 | | 109820 | 110011 |
| 1.968 | | 14932 | 32896 |
| 2.03 | | 35668 | 31477 |
| 2.125 | | 9082 | 10490 |
| 2.163 | | 4013 | 4820 |
| 2.223 | | 6675 | 6362 |
| 2.322 | | 8257 | 12666 |
| 2.385 | | 5363 | 4459 |
| 2.415 | | 6907 | 4743 |
| 2.509 | | 9982 | 13378 |
| 2.525 | | 58426 | 47475 |
| 2.591 | TCX | 15937480 | 10026430 |
| 2.69 | | 6569 | 5290 |
| 2.765 | | 47011 | 50133 |
| 2.809 | | 201867 | 108379 |
| 2.824 | | 15091 | 5133 |
| 2.876 | | 196390 | 139917 |
| 2.925 | | 43017 | 23297 |
| 2.949 | | 3278 | 2516 |
| 2.987 | | 53821 | 34877 |
| 3.033 | | 2988 | 2063 |
| 3.084 | | 847940 | 783894 |
| 3.135 | | 61344 | 35443 |
| 3.158 | | 23970 | 15760 |
| 3.181 | | 14914 | 7701 |
| 3.205 | | 675948 | 466329 |
| 3.244 | | 33456 | 20551 |
| 3.269 | | 68683 | 36209 |
| 3.289 | | 148058 | 78955 |
| 3.304 | | 51757 | 23576 |
| 3.354 | | 689065 | 310029 |
| 3.363 | | 670338 | 276656 |
| 3.383 | | 138308 | 55570 |
| 3.397 | | 663276 | 417797 |
| 3.471 | | 1037047 | 665567 |
| 3.506 | | 1815946 | 1136959 |
| 3.529 | | 1661995 | 920827 |
| 3.547 | | 545357 | 279059 |
| 3.599 | | 4829 | 5123 |
| 3.632 | | 2197490 | 1422400 |
| 3.654 | | 684757 | 369535 |
| 3.675 | | 744176 | 444455 |
| 3.703 | | 342494 | 173654 |
| 3.721 | | 1593746 | 978748 |
| 3.762 | | 605469 | 433008 |
| 3.81 | | 117728 | 101818 |
| 3.831 | | 1080344 | 672740 |

| | | | |
|---|---|---|---|
| 3.854 | | 3045156 | 1888531 |
| 3.878 | | 2134552 | 1314917 |
| 3.897 | | 153685 | 70799 |
| 3.917 | | 178896 | 102164 |
| 3.952 | | 900364 | 633596 |
| 3.986 | | 1631501 | 1219134 |
| 4.014 | | 828349 | 468442 |
| 4.061 | | 118267 | 88512 |
| 4.095 | | 468650 | 362203 |
| 4.152 | | 951898 | 715230 |
| 4.184 | | 571429 | 396928 |
| 4.212 | | 1462784 | 1073286 |
| 4.249 | | 22013 | 20475 |
| 4.304 | | 592960 | 547409 |
| 4.34 | | 148358 | 109324 |
| 4.373 | | 786049 | 709986 |
| 4.439 | | 96247 | 63663 |
| 4.463 | | 70429 | 48507 |
| 4.535 | | 130630 | 143168 |
| 4.589 | | 889402 | 751426 |
| 4.629 | | 40125 | 37196 |
| 4.668 | | 252930 | 246167 |
| 4.714 | | 25472 | 17909 |
| 4.737 | | 6423 | 3976 |
| 4.813 | | 2739 | 2104 |
| 4.855 | | 11783 | 8804 |
| 4.887 | | 11270 | 7677 |
| 4.911 | | 98742 | 85216 |
| 4.962 | | 10976 | 12177 |
| 4.998 | | 4479 | 4246 |
| 5.032 | | 7208 | 5174 |
| 5.06 | | 43197 | 30552 |
| 5.081 | | 23452 | 23398 |
| 5.154 | | 27825 | 23877 |
| 5.195 | | 6965 | 12873 |
| 5.272 | | 4691 | 5786 |
| 5.298 | | 12792 | 9938 |
| 5.344 | | 35067 | 38508 |
| 5.498 | | 148662 | 135564 |
| 5.567 | | 156828 | 145303 |
| 5.617 | | 10743 | 8958 |
| 5.726 | | 12392 | 10968 |
| 5.819 | | 1991 | 2891 |
| 5.876 | | 3518 | 3143 |
| 5.926 | | 199981 | 174616 |
| 5.955 | | 3843 | 2428 |
| 6.083 | DCB | 14213250 | 13250380 |
| 6.301 | | 3784 | 5036 |
| 6.535 | | 11141 | 10796 |
| 6.707 | | 2116 | 2094 |
| 7.184 | | 1557 | 1605 |
| 8.162 | | 10990 | 19977 |

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

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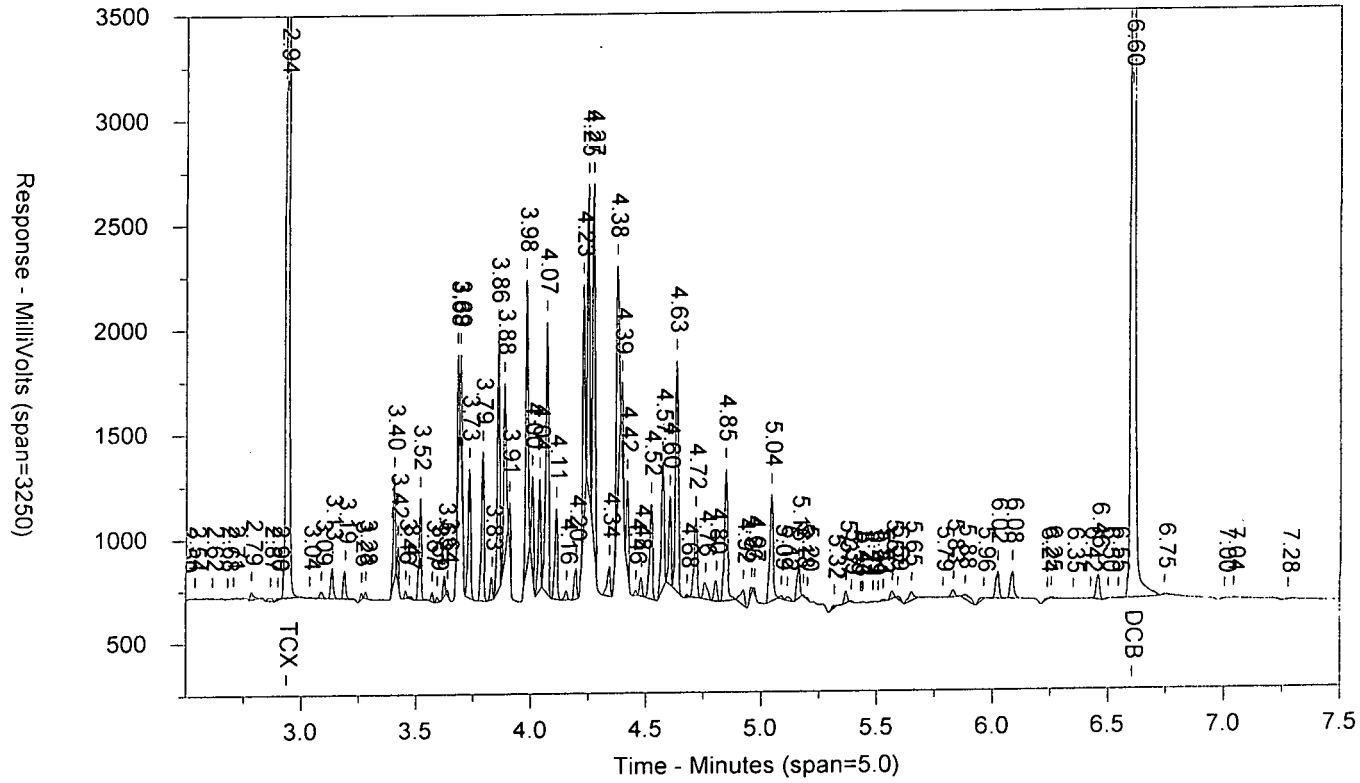


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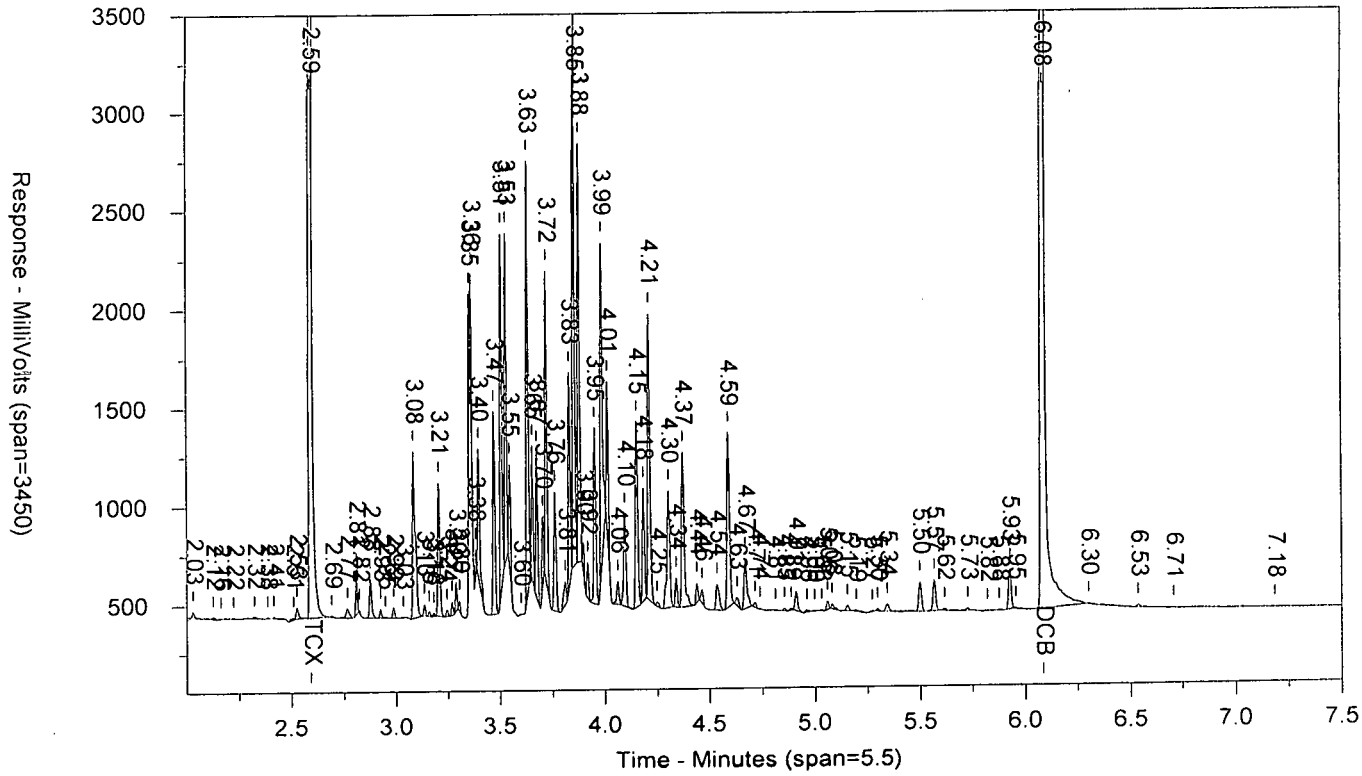


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

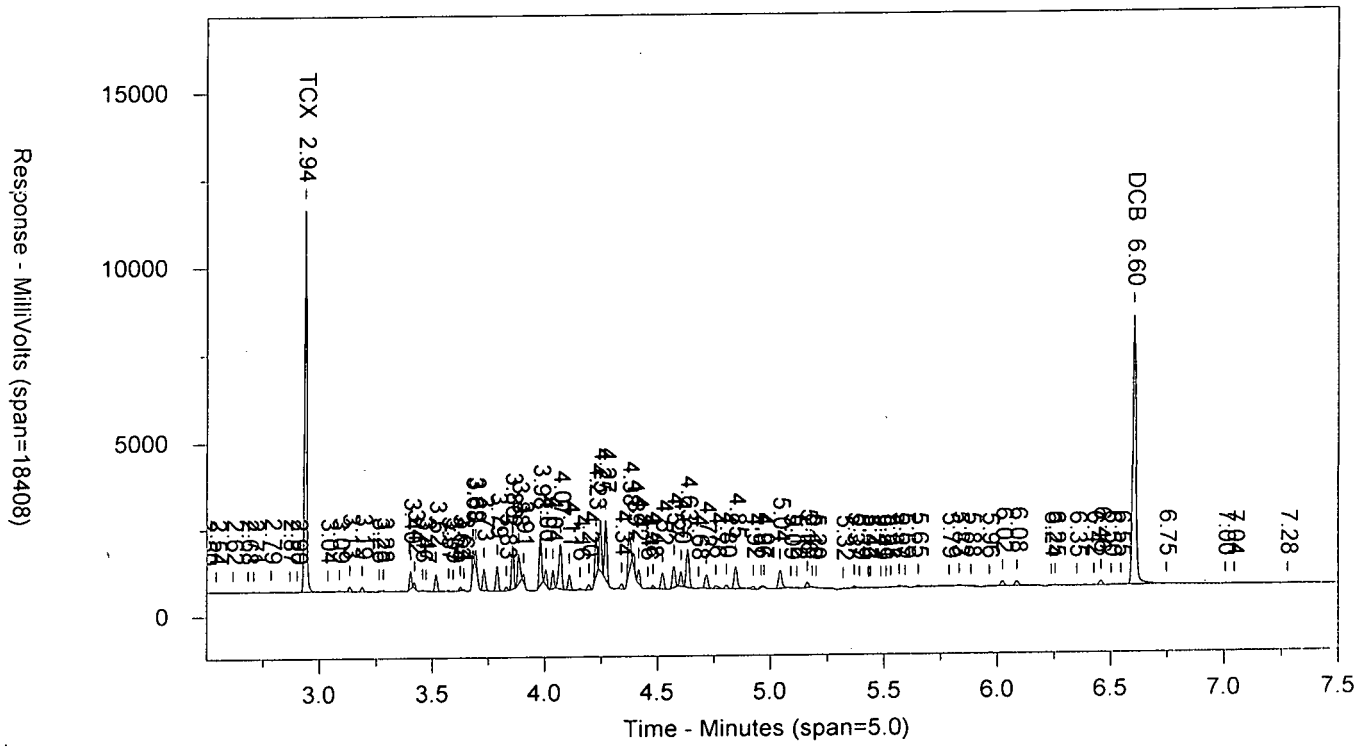
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 10952230 | 39.954 | TCX | 2.591 | 15937480 | 38.447 | TCX |
| 6.603 | 7782639 | 38.569 | DCB | 6.083 | 14213250 | 37.546 | DCB |

Files:
Area File: 07PCBS17284001.0033.RAW
Area File: 07PCBS17284001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:17:42 AM
File Reported On: 10/12/2017 at 1:17:53 AM

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0033.RAW

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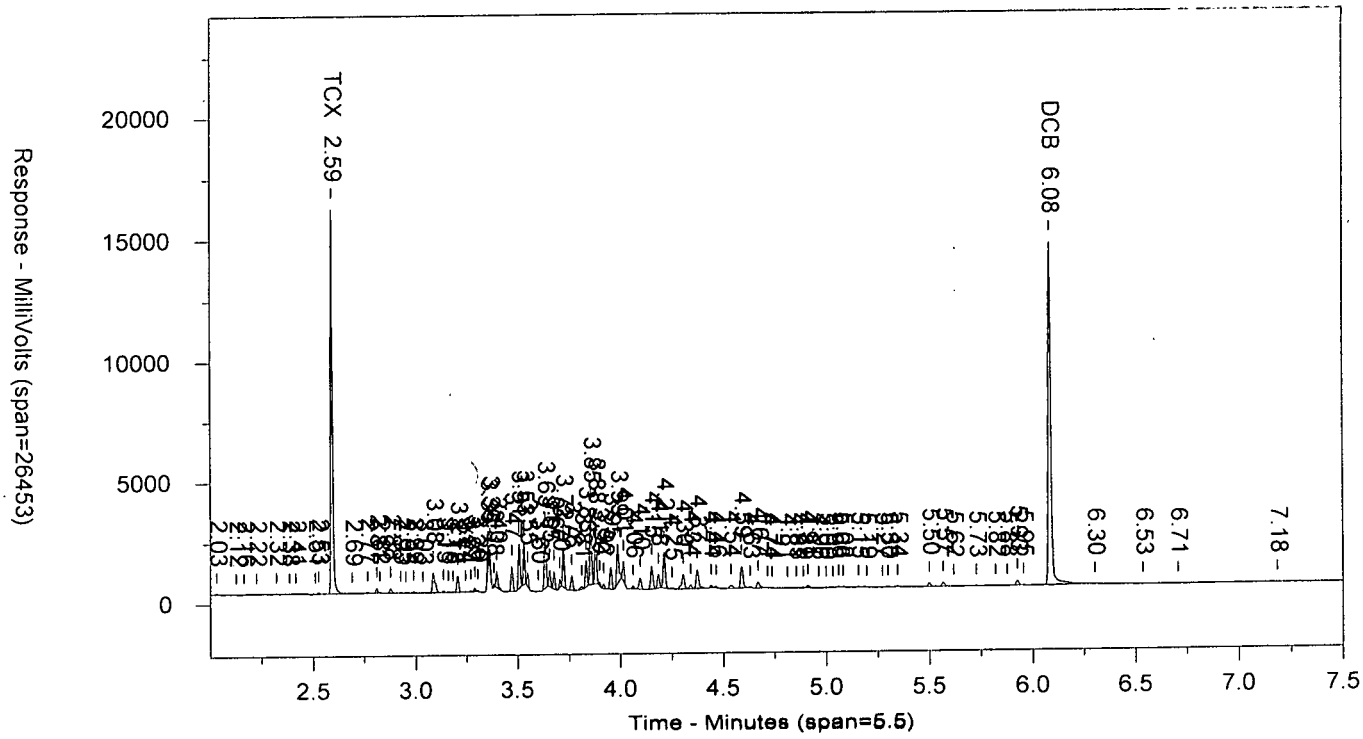

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

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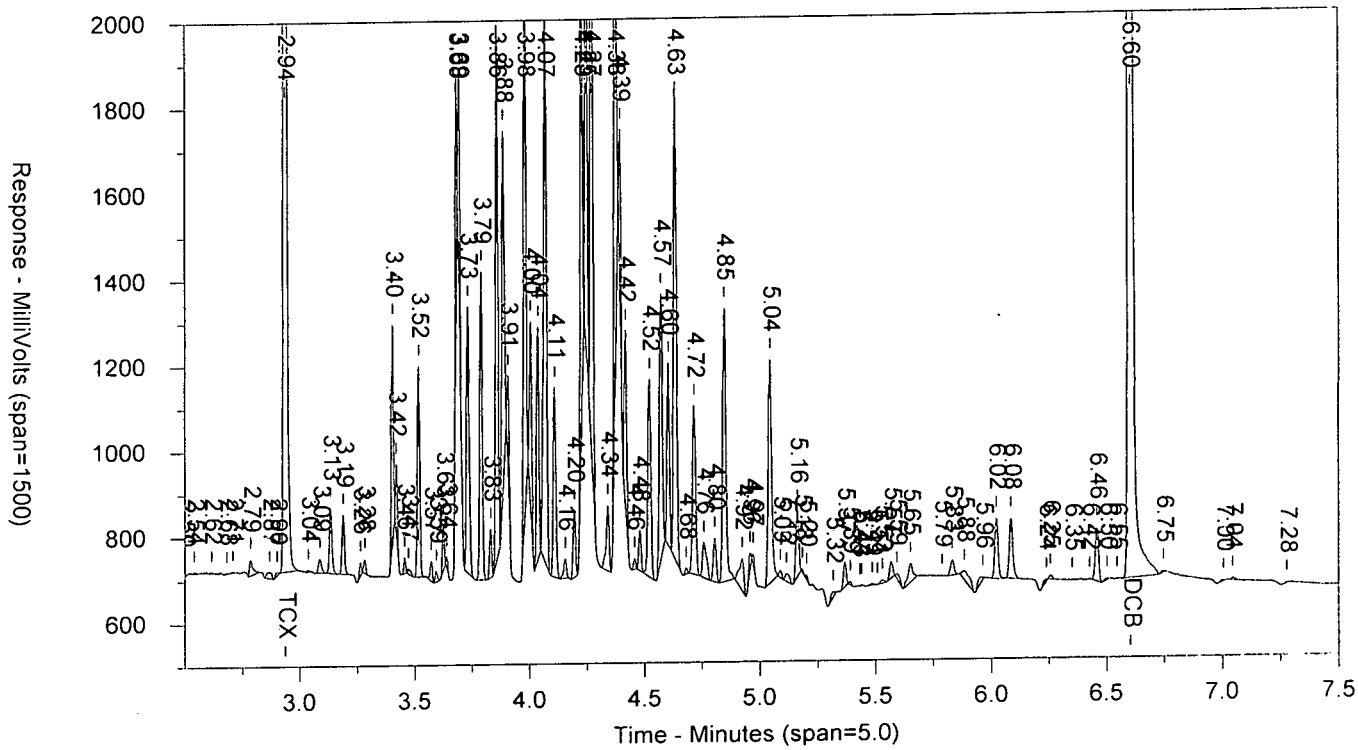


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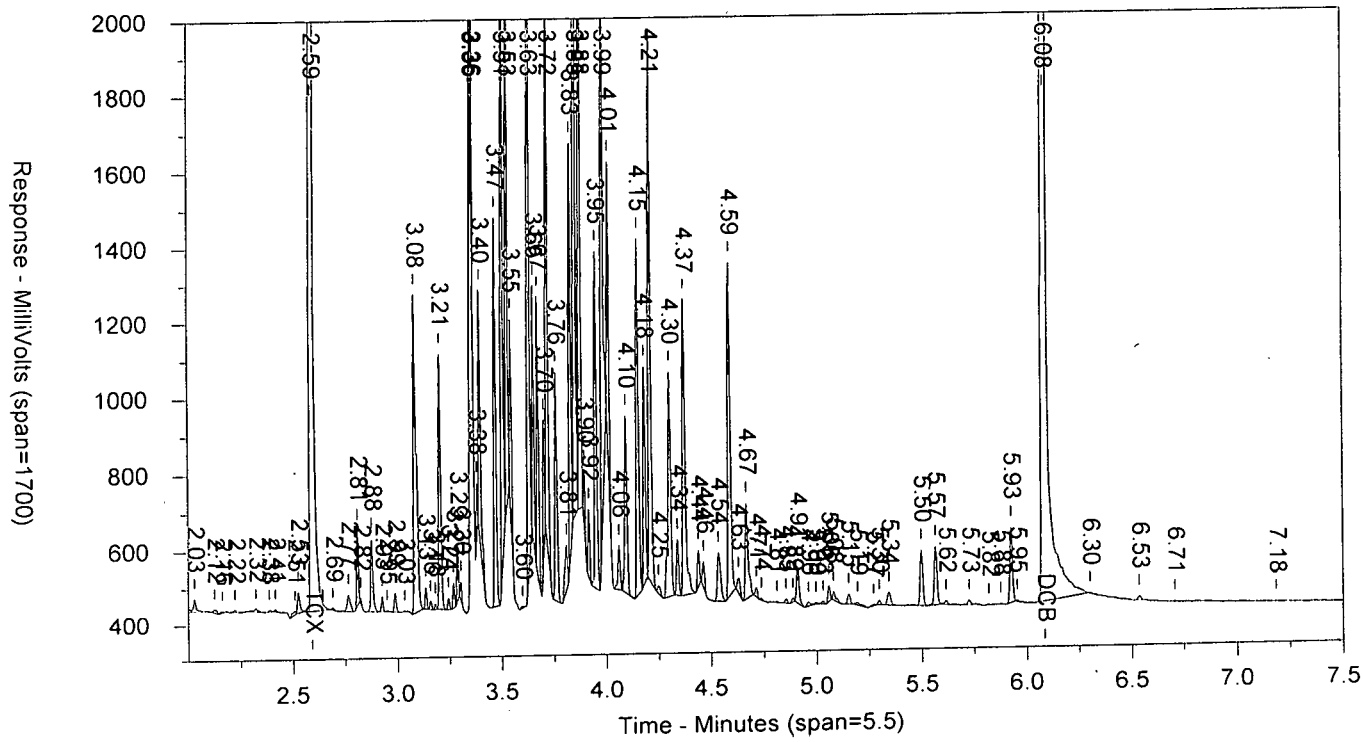


LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.578 | | 20168 | 17623 |
| 1.607 | | 4656 | 8616 |
| 1.749 | | 2244 | 2584 |
| 2.006 | | 16528 | 37553 |
| 2.058 | | 13167 | 27465 |
| 2.091 | | 8481 | 8967 |
| 2.234 | | 27031 | 16949 |
| 2.333 | | 30938 | 25317 |
| 2.498 | | 5662 | 6934 |
| 2.593 | | 2752 | 1225 |
| 2.713 | | 2317 | 1863 |
| 2.785 | | 32965 | 28075 |
| 2.856 | | 3933 | 2305 |
| 2.9 | | 6651 | 6611 |
| 2.937 | TCX | 5294972 | 3565932 |
| 3.089 | | 9350 | 9582 |
| 3.134 | | 77298 | 57006 |
| 3.188 | | 23045 | 17522 |
| 3.264 | | 18017 | 13201 |
| 3.404 | | 49721 | 30895 |
| 3.42 | | 11197 | 6330 |
| 3.473 | | 16498 | 11952 |
| 3.517 | | 46440 | 34668 |
| 3.572 | | 20591 | 13551 |
| 3.594 | | 38062 | 24352 |
| 3.627 | | 10112 | 5754 |
| 3.639 | | 4197 | 1859 |
| 3.683 | | 34342 | 18551 |
| 3.694 | | 17389 | 18129 |
| 3.732 | | 94333 | 77048 |
| 3.789 | | 60084 | 45273 |
| 3.83 | | 7886 | 5072 |
| 3.858 | | 1089079 | 781350 |
| 3.884 | | 308347 | 293453 |
| 3.926 | | 3373 | 2960 |
| 3.981 | | 672030 | 515812 |
| 4.005 | | 48282 | 26728 |
| 4.037 | | 82015 | 58320 |
| 4.069 | | 320063 | 287621 |
| 4.109 | | 67354 | 52528 |
| 4.143 | | 4559 | 2803 |
| 4.157 | | 5266 | 2383 |
| 4.174 | | 4749 | 2566 |
| 4.193 | | 67505 | 49878 |
| 4.229 | | 1649910 | 1157185 |
| 4.248 | | 646469 | 375149 |
| 4.273 | | 556613 | 441202 |
| 4.34 | | 549994 | 453400 |
| 4.384 | | 2602494 | 2823482 |
| 4.417 | | 1065703 | 857802 |
| 4.458 | | 44117 | 28432 |
| 4.48 | | 193053 | 148340 |
| 4.522 | | 977889 | 884503 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.572 | | 1844966 | 1573661 |
| 4.603 | | 449409 | 297128 |
| 4.634 | | 3766791 | 3188146 |
| 4.682 | | 195548 | 134288 |
| 4.697 | | 52222 | 22501 |
| 4.716 | | 467337 | 354486 |
| 4.737 | | 3816 | 966 |
| 4.758 | | 1084083 | 1100720 |
| 4.804 | | 222531 | 198115 |
| 4.845 | | 1974967 | 1941474 |
| 4.876 | | 32765 | 18985 |
| 4.905 | | 211242 | 167931 |
| 4.924 | | 32645 | 18470 |
| 4.957 | | 1133326 | 1757901 |
| 5.007 | | 28050 | 21852 |
| 5.044 | | 1286153 | 1382636 |
| 5.09 | | 176108 | 130714 |
| 5.115 | | 66945 | 45368 |
| 5.127 | | 45662 | 29016 |
| 5.162 | | 2064778 | 1861182 |
| 5.184 | | 113551 | 60457 |
| 5.201 | | 81928 | 44716 |
| 5.227 | | 87233 | 67022 |
| 5.271 | | 107699 | 124190 |
| 5.309 | | 3745 | 2723 |
| 5.368 | | 593556 | 532264 |
| 5.39 | | 157228 | 111275 |
| 5.447 | | 97232 | 84842 |
| 5.487 | | 89035 | 88302 |
| 5.528 | | 18769 | 17195 |
| 5.567 | | 473890 | 452318 |
| 5.592 | | 60755 | 39711 |
| 5.627 | | 425946 | 483317 |
| 5.773 | | 1850 | 1082 |
| 5.832 | | 410554 | 388429 |
| 5.861 | | 58674 | 58035 |
| 5.945 | | 2266 | 1313 |
| 6.002 | | 1579 | 877 |
| 6.022 | | 63628 | 58839 |
| 6.085 | | 66729 | 99275 |
| 6.236 | | 1497 | 1696 |
| 6.256 | | 23190 | 22509 |
| 6.297 | | 1373 | 460 |
| 6.332 | | 1964 | 897 |
| 6.354 | | 1563 | 807 |
| 6.426 | | 1431 | 350 |
| 6.458 | | 52692 | 49816 |
| 6.551 | | 1402 | 535 |
| 6.603 | DCB | 3709275 | 3965316 |
| 6.742 | | 2168 | 1602 |
| 6.871 | | 1435 | 783 |
| 6.981 | | 1111 | 398 |
| 7.019 | | 1550 | 482 |
| 7.103 | | 1347 | 463 |
| 7.118 | | 2156 | 791 |
| 7.272 | | 1846 | 1643 |
| 7.34 | | 1785 | 651 |
| 7.362 | | 1632 | 842 |
| 7.619 | | 873 | 357 |
| 7.699 | | 1524 | 1002 |
| 7.737 | | 1434 | 397 |
| 7.783 | | 1531 | 559 |
| 7.851 | | 1392 | 737 |
| 7.901 | | 1469 | 321 |
| 7.913 | | 1547 | 627 |
| 7.936 | | 1641 | 491 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 7.956 | | 1508 | 430 |
| 8.071 | | 1004 | 435 |
| 8.116 | | 1308 | 404 |
| 8.258 | | 1245 | 734 |
| 8.365 | | 1637 | 624 |
| 8.396 | | 1772 | 800 |
| 8.444 | | 1524 | 1017 |
| 8.473 | | 1601 | 513 |
| 8.556 | | 1711 | 597 |
| 8.648 | | 1642 | 483 |

LANCASTER LABORATORIES

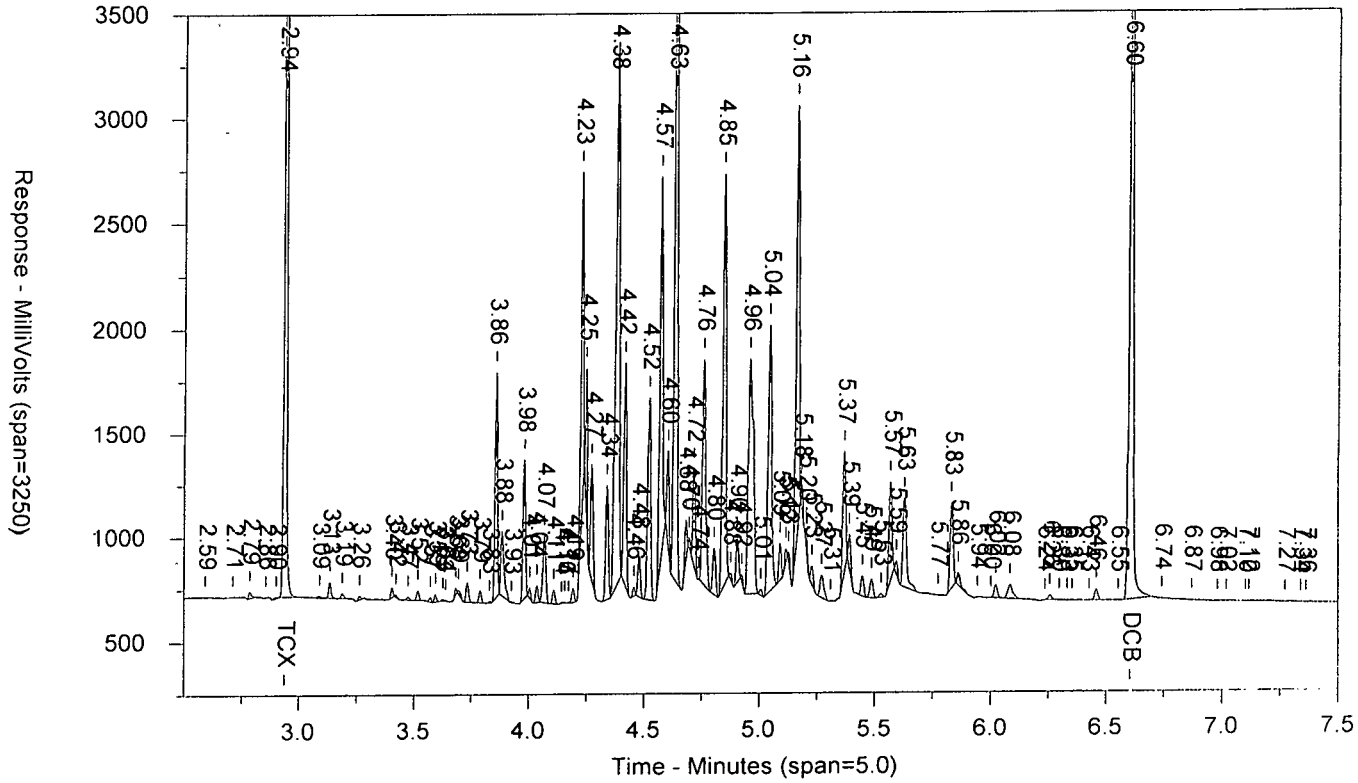
Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.528 | | 2567 | 1446 |
| 1.723 | | 3396 | 1627 |
| 1.752 | | 2222 | 2428 |
| 1.795 | | 3779 | 2876 |
| 1.901 | | 71139 | 61757 |
| 1.967 | | 11124 | 16766 |
| 2.03 | | 17265 | 12836 |
| 2.134 | | 7700 | 7884 |
| 2.158 | | 3822 | 3771 |
| 2.222 | | 3741 | 2321 |
| 2.319 | | 3782 | 3599 |
| 2.389 | | 3260 | 2487 |
| 2.415 | | 3113 | 2108 |
| 2.509 | | 7859 | 9719 |
| 2.526 | | 56064 | 50652 |
| 2.591 | TCX | 7743228 | 4880953 |
| 2.691 | | 4470 | 3413 |
| 2.766 | | 12297 | 14679 |
| 2.809 | | 111654 | 73583 |
| 2.877 | | 33777 | 28587 |
| 2.926 | | 20970 | 12211 |
| 2.991 | | 5384 | 5605 |
| 3.085 | | 85565 | 96754 |
| 3.136 | | 4252 | 2539 |
| 3.159 | | 22330 | 16696 |
| 3.182 | | 2227 | 1020 |
| 3.207 | | 61207 | 45218 |
| 3.244 | | 44217 | 28676 |
| 3.27 | | 25306 | 12948 |
| 3.29 | | 11798 | 5907 |
| 3.305 | | 11795 | 7119 |
| 3.354 | | 91138 | 95617 |
| 3.384 | | 29542 | 13401 |
| 3.399 | | 83348 | 63194 |
| 3.472 | | 81800 | 57434 |
| 3.506 | | 1558336 | 968853 |
| 3.529 | | 493178 | 289098 |
| 3.547 | | 41655 | 17177 |
| 3.599 | | 3318 | 3165 |
| 3.632 | | 966452 | 622603 |
| 3.655 | | 71749 | 36122 |
| 3.676 | | 109521 | 74975 |
| 3.705 | | 56532 | 28034 |
| 3.721 | | 349723 | 209242 |
| 3.761 | | 98177 | 70053 |
| 3.802 | | 81373 | 65889 |
| 3.832 | | 299613 | 171503 |
| 3.853 | | 3463971 | 2333978 |
| 3.878 | | 336830 | 185218 |
| 3.897 | | 357256 | 197842 |
| 3.917 | | 635967 | 399644 |
| 3.952 | | 3249651 | 2174846 |
| 3.984 | | 1131409 | 681944 |
| 4 | | 647090 | 337865 |

| | | | |
|---|---|---|---|
| 4.061 | | 240893 | 180668 |
| 4.096 | | 1116649 | 863704 |
| 4.152 | | 2660998 | 1905737 |
| 4.185 | | 689169 | 535424 |
| 4.212 | | 4596258 | 3436034 |
| 4.25 | | 322003 | 311624 |
| 4.303 | | 2146606 | 1819341 |
| 4.34 | | 309715 | 239720 |
| 4.373 | | 2681706 | 1948775 |
| 4.397 | | 422938 | 264726 |
| 4.439 | | 1846473 | 1384627 |
| 4.463 | | 65006 | 37186 |
| 4.537 | | 1549053 | 1665856 |
| 4.59 | | 2021006 | 1716223 |
| 4.63 | | 544600 | 460720 |
| 4.669 | | 3515882 | 3371330 |
| 4.714 | | 226985 | 147513 |
| 4.738 | | 108368 | 75540 |
| 4.797 | | 36644 | 40037 |
| 4.837 | | 9448 | 5306 |
| 4.856 | | 153592 | 123218 |
| 4.888 | | 159518 | 107473 |
| 4.912 | | 1067135 | 857672 |
| 4.961 | | 146028 | 120078 |
| 4.998 | | 116112 | 98023 |
| 5.029 | | 71846 | 57847 |
| 5.06 | | 511690 | 375120 |
| 5.083 | | 413179 | 359448 |
| 5.154 | | 21450 | 17455 |
| 5.276 | | 1904 | 1000 |
| 5.298 | | 20369 | 16833 |
| 5.341 | | 480264 | 545810 |
| 5.499 | | 65881 | 58838 |
| 5.546 | | 19211 | 12926 |
| 5.568 | | 56803 | 44104 |
| 5.616 | | 22890 | 20849 |
| 5.726 | | 30308 | 26490 |
| 5.926 | | 85912 | 73359 |
| 6.084 | DCB | 7060797 | 6661155 |
| 6.536 | | 5804 | 5539 |
| 6.968 | | 1358 | 1206 |
| 8.162 | | 10655 | 18713 |

IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0034.RAW

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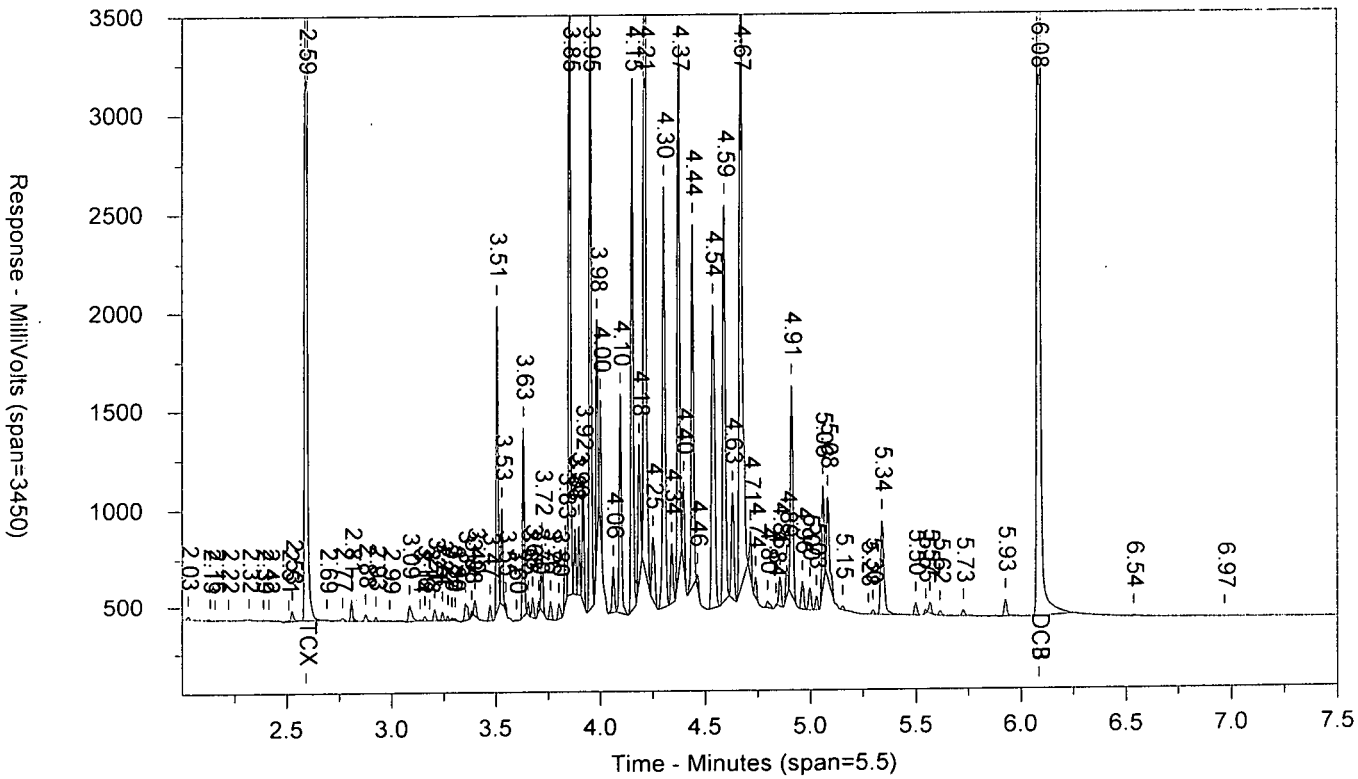


LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

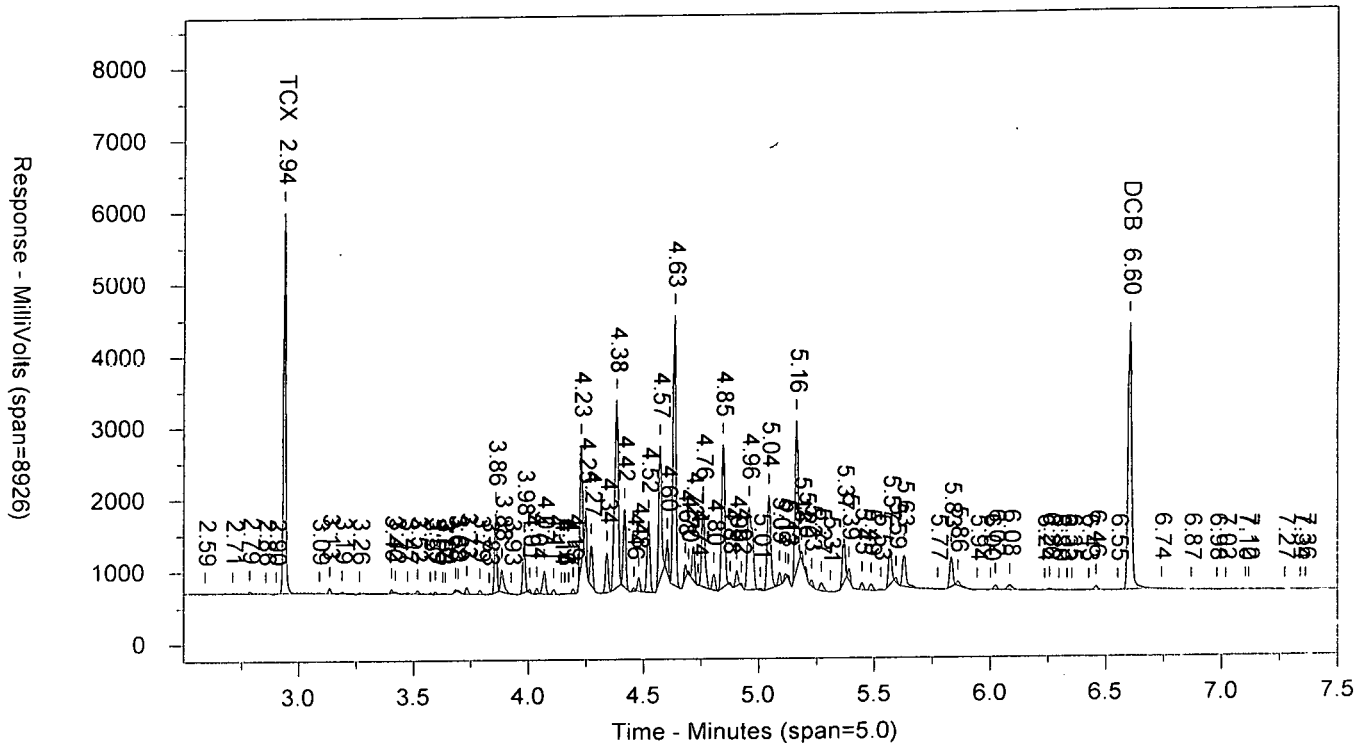
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5294972 | 19.316 | TCX | 2.591 | 7743228 | 18.68 | TCX |
| 6.603 | 3709275 | 18.382 | DCB | 6.084 | 7060797 | 18.652 | DCB |

Files:
Area File: 07PCBS17284001.0034.RAW
Area File: 07PCBS17284001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:29:12 AM
File Reported On: 10/12/2017 at 1:29:27 AM

IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0034.RAW

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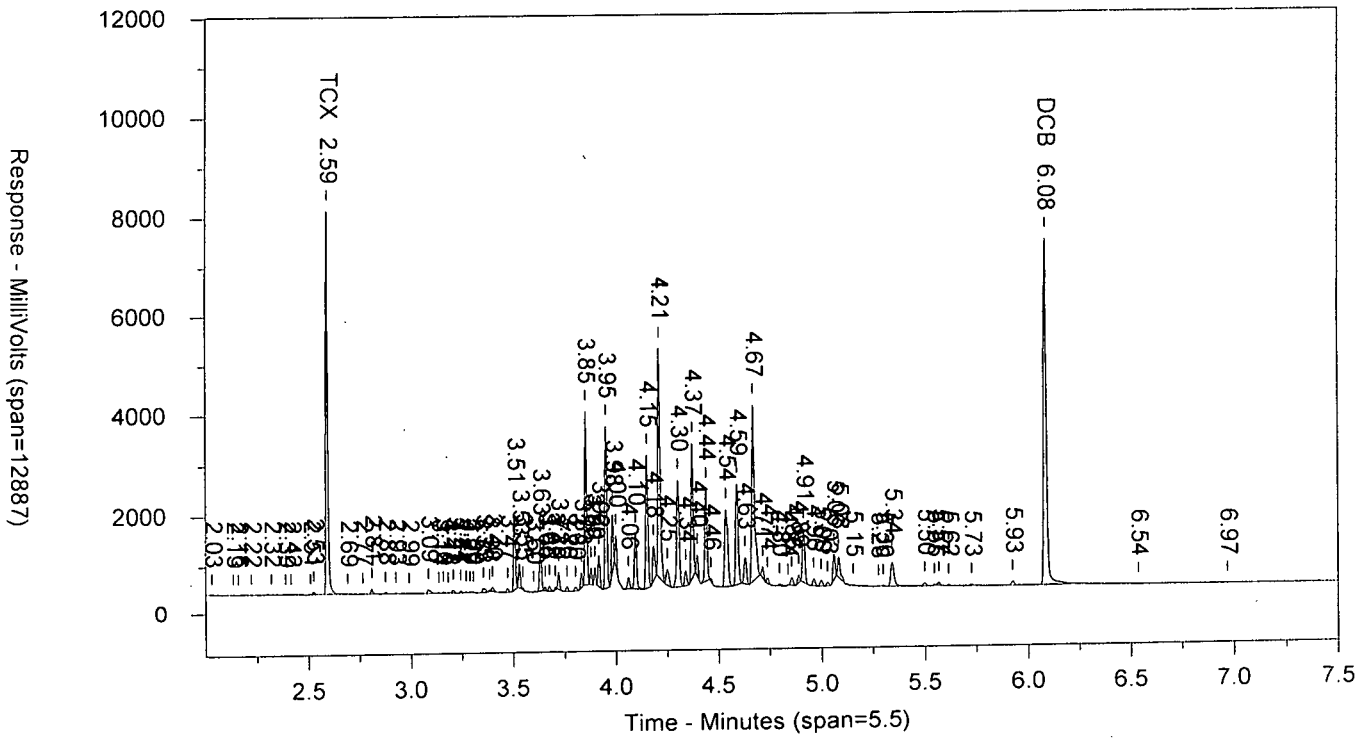
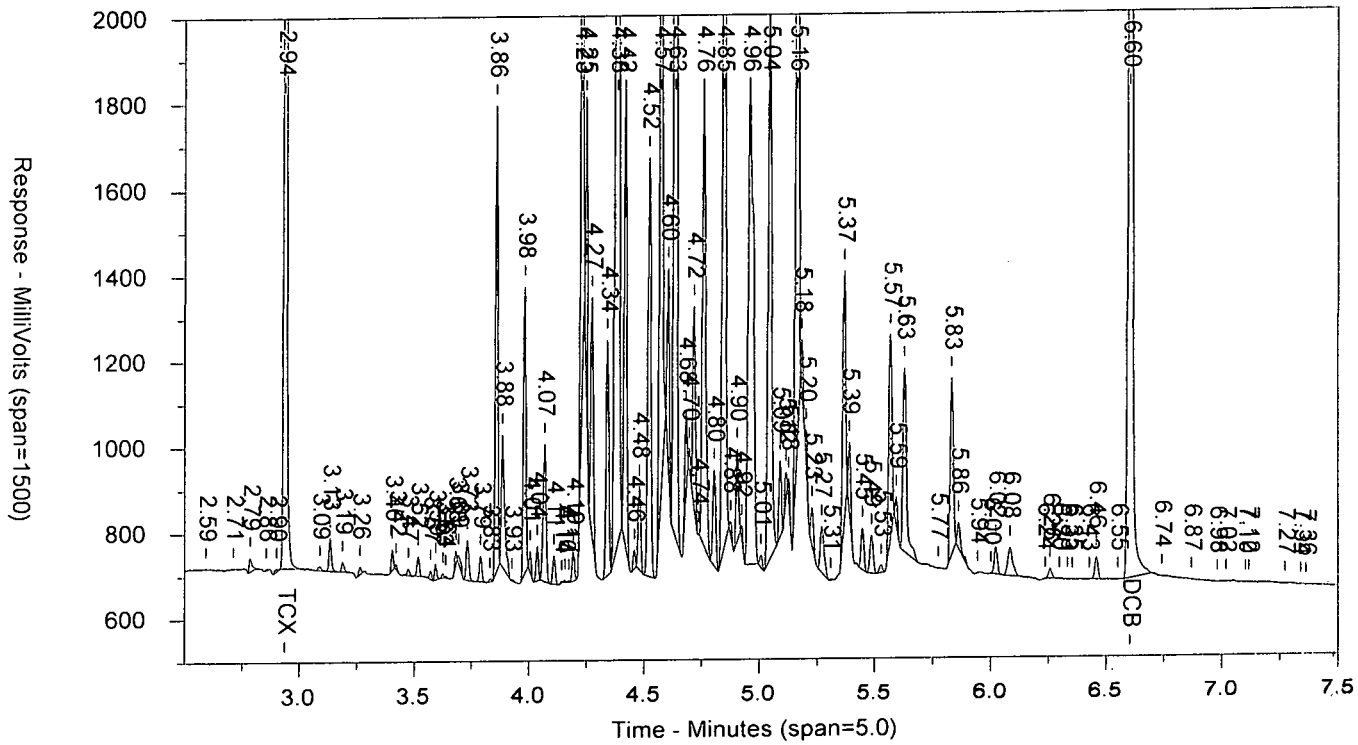


IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0034.RAW

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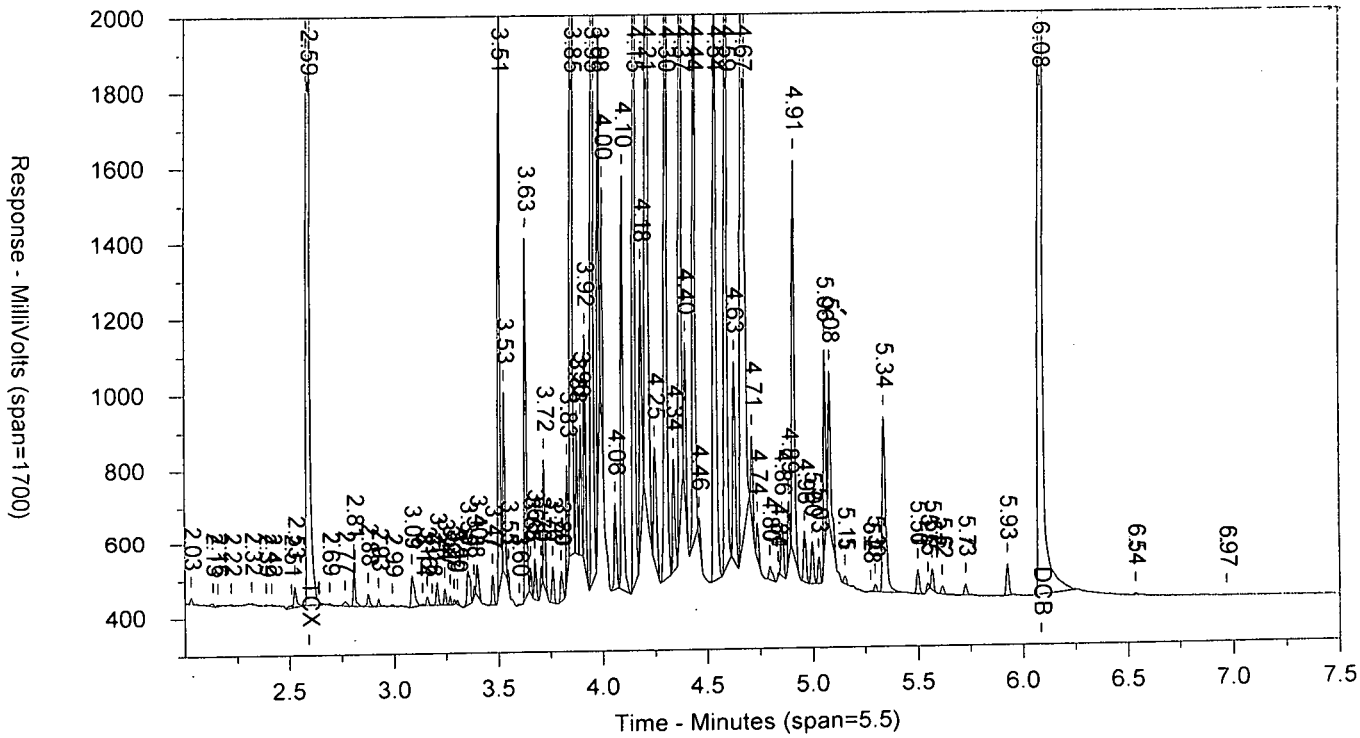


# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1728399999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0030.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (53-140) Conc.: 0.434479
%SSR(DCB) : 122% (45-143) Conc.: 0.491358

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 2.43 | |
| 3.17 | 3.19 | 3.21 | 29487.9 | 6.131962 | | | 1 |
| 3.38 | 3.40 | 3.42 | 31810.05 | 6.309968 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 15953.86 | 3.164671 | | | 2 |
| 3.50 | 3.52 | 3.54 | 35869.32 | 5.923699 | | | 3 |
| 3.71 | 3.73 | 3.75 | 44740.5 | 6.080545 | | | 4 |
| 3.77 | 3.79 | 3.81 | 38374.43 | 5.924494 | | | 5 |
| 3.96 | 3.98 | 4.00 | 30418.53 | 6.157731 | | | 6 |
| Height Summation: | | | **210700.73** | | | | |
| Amount Avg CF: | | | **6.088067** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 61.22 | |
| 3.07 | 3.08 | 3.11 | 3073.241 | 1.240117 | | | 1 |
| 3.12 | 3.14 | 3.16 | 4878.224 | 2.245423 | | | 2 |
| 3.17 | 3.19 | 3.21 | 29487.9 | 4.384692 | | | 3 |
| Height Summation: | | | **37439.365** | | | | |
| Amount Avg CF: | | | **2.623411** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 29.93 | |
| 3.17 | 3.19 | 3.21 | 29487.9 | 5.276302 | | | 1 |
| 3.38 | 3.40 | 3.42 | 31810.05 | 14.01213 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 15953.86 | 7.027577 | | | 2 |
| 3.50 | 3.52 | 3.54 | 35869.32 | 13.010394 | | | 3 |
| 3.71 | 3.73 | 3.75 | 44740.5 | 13.403141 | | | 4 |
| 3.77 | 3.79 | 3.81 | 38374.43 | 14.06047 | | | 5 |
| 3.96 | 3.98 | 4.00 | 30418.53 | 16.249916 | | | 6 |
| Height Summation: | | | **210700.73** | | | | |
| Amount Avg CF: | | | **12.668726** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 2.68 | |
| 3.17 | 3.19 | 3.21 | 29487.9 | 4.405591 | | | 1 |
| 3.38 | 3.40 | 3.42 | 31810.05 | 4.698314 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 15953.86 | 2.35637 | | | 2 |
| 3.50 | 3.52 | 3.54 | 35869.32 | 4.447545 | | | 3 |
| 3.71 | 3.73 | 3.75 | 44740.5 | 4.429913 | | | 4 |
| 3.77 | 3.79 | 3.81 | 38374.43 | 4.428773 | | | 5 |
| 3.96 | 3.98 | 4.00 | 30418.53 | 4.609965 | | | 6 |
| Height Summation: | | | **210700.73** | | | | |
| Amount Avg CF: | | | **4.50335** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 66.62 | |
| 3.71 | 3.73 | 3.75 | 44740.5 | 13.641862 | | | 1 |
| 3.77 | 3.79 | 3.81 | 38374.43 | 10.693955 | | | 2 |
| 3.84 | 3.86 | 3.88 | 26467.62 | 4.308422 | | | 3 |
| 3.96 | 3.98 | 4.00 | 30418.53 | 4.413908 | | | 4 |
| 4.05 | 4.07 | 4.09 | 31834.68 | 5.103116 | | | 5 |
| 4.23 | 4.25 | 4.27 | 14006.68 | 2.020219 | | | 6 |
| Height Summation: | | | **185842.44** | | | | |
| Amount Avg CF: | | | **6.696914** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0030.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (53-140) Conc.: 0.423759
%SSR(DCB) : 128% (45-143) Conc.: 0.513161

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 4.18 | |
| 2.86 | 2.88 | 2.90 | 46394.38 | 6.627466 | | | 1 |
| 3.19 | 3.21 | 3.23 | 53928.17 | 6.140926 | | | 2 |
| 3.38 | 3.40 | 3.42 | 56156.72 | 6.213742 | | | 3 |
| 3.45 | 3.47 | 3.49 | 56279.93 | 5.87109 | | | 4 |
| 3.51 | 3.53 | 3.55 | 44091.66 | 6.102343 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 12554.1 | 1.737504 | | | 5 |
| 3.61 | 3.63 | 3.65 | 49203.47 | 6.008021 | | | 6 |
| Height Summation: | | | **306054.33** | | | | |
| Amount Avg CF: | | | **6.160598** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 37.56 | |
| 2.74 | 2.76 | 2.78 | 8939.453 | 2.132059 | | | 1 |
| + 2.80 | 2.81 | 2.84 | 2056.571 | 0.788265 | | | 2 |
| 2.80 | 2.82 | 2.84 | 8268.779 | 3.169346 | | | 2 |
| 2.86 | 2.88 | 2.90 | 46394.38 | 4.601027 | | | 3 |
| Height Summation: | | | **63602.612** | | | | |
| Amount Avg CF: | | | **3.300811** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 28.33 | |
| 2.86 | 2.88 | 2.90 | 46394.38 | 5.729574 | | | 1 |
| 3.19 | 3.21 | 3.23 | 53928.17 | 13.414186 | | | 2 |
| 3.38 | 3.40 | 3.42 | 56156.72 | 13.860687 | | | 3 |
| 3.45 | 3.47 | 3.49 | 56279.93 | 13.74103 | | | 4 |
| 3.51 | 3.53 | 3.55 | 44091.66 | 15.910351 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 12554.1 | 4.530112 | | | 5 |
| 3.61 | 3.63 | 3.65 | 49203.47 | 15.17918 | | | 6 |
| Height Summation: | | | **306054.33** | | | | |
| Amount Avg CF: | | | **12.972501** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 3.83 | |
| 2.86 | 2.88 | 2.90 | 46394.38 | 4.669486 | | | 1 |
| 3.19 | 3.21 | 3.23 | 53928.17 | 4.441486 | | | 2 |
| 3.38 | 3.40 | 3.42 | 56156.72 | 4.628886 | | | 3 |
| 3.45 | 3.47 | 3.49 | 56279.93 | 4.236744 | | | 4 |
| 3.51 | 3.53 | 3.55 | 44091.66 | 4.691346 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 12554.1 | 1.335754 | | | 5 |
| 3.61 | 3.63 | 3.65 | 49203.47 | 4.492454 | | | 6 |
| Height Summation: | | | **306054.33** | | | | |
| Amount Avg CF: | | | **4.526734** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 64.25 | |
| 3.38 | 3.40 | 3.42 | 56156.72 | 15.263749 | | | 1 |
| 3.45 | 3.47 | 3.49 | 56279.93 | 10.326876 | | | 2 |
| 3.49 | 3.51 | 3.53 | 43162.66 | 4.648436 | | | 3 |
| 3.61 | 3.63 | 3.65 | 49203.47 | 4.459589 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 10595.57 | 1.326814 | | | 5 |
| 3.70 | 3.72 | 3.74 | 38726.48 | 4.849463 | | | 5 |
| 3.84 | 3.85 | 3.88 | 55020.04 | 3.646445 | | | 6 |
| Height Summation: | | | **298549.3** | | | | |
| Amount Avg CF: | | | **7.199093** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1728399999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

## Analysis Report (A)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0030.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 79.37 | |
| 4.21 | 4.23 | 4.25 | 31090.39 | 4.002761 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 14006.68 | 1.803303 | | | 1 |
| 4.32 | 4.34 | 4.36 | 4409.861 | 1.700931 | | | 2 |
| 4.55 | 4.57 | 4.59 | 8754.153 | 1.019236 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 7648.511 | 0.890507 | | | 3 |
| 4.61 | 4.63 | 4.65 | 20464.85 | 1.19521 | | | 4 |
| 5.02 | 5.05 | 5.06 | 28421.02 | 4.751508 | | | 5 |
| 5.14 | 5.16 | 5.18 | 77858.94 | 8.111716 | | | 6 |
| Height Summation: | | | **170999.214** | | | | |
| Amount Avg CF: | | | **3.46356** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 5.56 | |
| 4.74 | 4.76 | 4.78 | 71496.73 | 6.167327 | | | 1 |
| 4.94 | 4.96 | 4.98 | 72970.66 | 6.225411 | | | 2 |
| 5.14 | 5.16 | 5.18 | 77858.94 | 5.463264 | | | 3 |
| 5.37 | 5.39 | 5.41 | 45219.71 | 5.734685 | | | 4 |
| 5.61 | 5.63 | 5.65 | 145336.1 | 5.916771 | | | 5 |
| 5.81 | 5.83 | 5.85 | 105640.4 | 6.334732 | | | 6 |
| Height Summation: | | | **518522.54** | | | | |
| Amount Avg CF: | | | **5.973698** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 25.95 | |
| 5.21 | 5.23 | 5.25 | 53031.43 | 3.532724 | | | 1 |
| 5.37 | 5.39 | 5.41 | 45219.71 | 4.219827 | | | 2 |
| 5.61 | 5.63 | 5.65 | 145336.1 | 5.096228 | | | 3 |
| 5.81 | 5.83 | 5.85 | 105640.4 | 4.772442 | | | 4 |
| 5.87 | 5.89 | 5.91 | 26191.96 | 2.348671 | | | 5 |
| 6.24 | 6.26 | 6.28 | 37693.27 | 3.385384 | | | 6 |
| Height Summation: | | | **413112.87** | | | | |
| Amount Avg CF: | | | **3.892546** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 90.59 | |
| 5.81 | 5.83 | 5.85 | 105640.4 | 2.464597 | | | 1 |
| 5.87 | 5.89 | 5.91 | 26191.96 | 0.693413 | | | 2 |
| 6.00 | 6.02 | 6.04 | 4777.93 | 0.14297 | | | 3 |
| + 6.06 | 6.08 | 6.10 | 1814.161 | 0.21742 | | | 4 |
| 6.06 | 6.10 | 6.10 | 15636.03 | 1.873913 | | | 4 |
| 6.23 | 6.26 | 6.27 | 37693.27 | 3.094855 | | | 5 |
| 6.43 | 6.46 | 6.47 | 8986.625 | 0.103461 | | | 6 |
| Height Summation: | | | **198926.215** | | | | |
| Amount Avg CF: | | | **1.395535** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0030.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 98.11 | |
| + 4.19 | 4.19 | 4.23 | 12912.71 | 0.567465 | | | 1 |
| + 4.19 | 4.21 | 4.23 | 10672.11 | 0.468999 | | | 1 |
| 4.19 | 4.22 | 4.23 | 32195.25 | 1.414861 | | | 1 |
| 4.28 | 4.30 | 4.32 | 101838.4 | 9.257424 | | | 2 |
| 4.35 | 4.37 | 4.39 | 5567.423 | 0.438695 | | | 3 |
| 4.42 | 4.44 | 4.46 | 122789.4 | 13.625836 | | | 4 |
| 4.57 | 4.59 | 4.61 | 11414.42 | 1.161823 | | | 5 |
| 4.65 | 4.67 | 4.69 | 111144.8 | 6.803407 | | | 6 |
| Height Summation: | | | **384949.693** | | | | |
| Amount Avg CF: | | | **5.450341** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 4.30 | |
| 4.42 | 4.44 | 4.46 | 122789.4 | 5.952782 | | | 1 |
| 4.52 | 4.54 | 4.56 | 85649.67 | 5.532519 | | | 2 |
| 4.65 | 4.67 | 4.69 | 111144.8 | 5.682276 | | | 3 |
| 4.87 | 4.89 | 4.91 | 77294.7 | 5.761724 | | | 4 |
| 5.06 | 5.08 | 5.10 | 165553.8 | 5.257329 | | | 5 |
| 5.32 | 5.34 | 5.36 | 113012.7 | 5.488277 | | | 6 |
| Height Summation: | | | **675445.07** | | | | |
| Amount Avg CF: | | | **5.612484** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 19.23 | |
| 4.68 | 4.70 | 4.72 | 64767 | 3.050103 | | | 1 |
| 4.87 | 4.89 | 4.91 | 77294.7 | 3.713492 | | | 2 |
| 5.06 | 5.08 | 5.10 | 165553.8 | 3.982536 | | | 3 |
| 5.28 | 5.30 | 5.32 | 41048.73 | 2.425205 | | | 4 |
| 5.33 | 5.34 | 5.36 | 113012.7 | 4.120348 | | | 5 |
| 5.71 | 5.72 | 5.74 | 49654.07 | 3.081279 | | | 6 |
| Height Summation: | | | **511331** | | | | |
| Amount Avg CF: | | | **3.395494** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 110.84 | |
| 5.28 | 5.30 | 5.32 | 41048.73 | 0.848751 | | | 1 |
| 5.33 | 5.34 | 5.36 | 113012.7 | 2.479687 | | | 2 |
| 5.48 | 5.50 | 5.52 | 4963.691 | 0.115429 | | | 3 |
| + 5.55 | 5.55 | 5.59 | 2832.566 | 0.253743 | | | 4 |
| 5.55 | 5.56 | 5.59 | 2968.445 | 0.265915 | | | 4 |
| 5.70 | 5.72 | 5.74 | 49654.07 | 2.756854 | | | 5 |
| 5.90 | 5.92 | 5.94 | 14771.55 | 0.104599 | | | 6 |
| Height Summation: | | | **226419.186** | | | | |
| Amount Avg CF: | | | **1.095206** | 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 | | 1.18 | 4 | 40 | |
| Aroclor-1221 | | | 17 | 4.6 | | 22.87 | 3 | 40 | |
| Aroclor-1232 | | | 17 | 8 | | 2.37 | 4 | 40 | |
| Aroclor-1242 | | | 17 | 3.3 | | 0.52 | 4 | 40 | |
| Aroclor-1248 | | | 17 | 3.3 | | 7.23 | 4 | 40 | |
| Aroclor-1254 | | | 17 | 3.3 | | ** 44.58 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1728399999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0030.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 00:34:36
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0030.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | | | 17 | 4.9 | | 6.24 | 4 | 40 | |
| Aroclor-1262 | | | 17 | 3.3 | | 13.64 | 4 | 40 | |
| Aroclor-1268 | | | 17 | 3.3 | | 24.12 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.007 | | 415 | 219 |
| 2.036 | | 13346 | 13684 |
| 2.086 | | 8496 | 18864 |
| 2.166 | | 1002 | 1241 |
| 2.231 | | 13249 | 10514 |
| 2.302 | | 451 | 170 |
| 2.331 | | 15021 | 13076 |
| 2.366 | | 2456 | 2392 |
| 2.49 | | 9922 | 11180 |
| 2.533 | | 1545 | 2191 |
| 2.59 | | 839 | 511 |
| 2.693 | | 341 | 1318 |
| 2.705 | | 679 | 516 |
| 2.746 | | 1676 | 2743 |
| 2.778 | | 9518 | 7618 |
| 2.847 | | 678 | 709 |
| 2.895 | | 6974 | 6141 |
| 2.93 | TCX | 2942936 | 2022009 |
| 3.024 | | 1425 | 1483 |
| 3.048 | | 507 | 297 |
| 3.075 | | 374 | 352 |
| 3.103 | | 630 | 698 |
| 3.127 | | 37620 | 24404 |
| 3.178 | | 569 | 336 |
| 3.258 | | 13532 | 12575 |
| 3.337 | | 620 | 597 |
| 3.386 | | 1209 | 1283 |
| 3.405 | | 931 | 1270 |
| 3.503 | | 3130 | 3536 |
| 3.541 | | 969 | 905 |
| 3.568 | | 7326 | 4761 |
| 3.604 | | 6869 | 6692 |
| 3.673 | | 2974 | 3090 |
| 3.716 | | 2235 | 2198 |
| 3.774 | | 1998 | 2268 |
| 3.799 | | 1685 | 1674 |
| 3.851 | | 438 | 364 |
| 3.894 | | 617 | 312 |
| 3.929 | | 6231 | 6607 |
| 3.987 | | 1293 | 1322 |
| 4.024 | | 999 | 852 |
| 4.082 | | 624 | 566 |
| 4.166 | | 7428 | 7601 |
| 4.208 | | 961 | 928 |
| 4.269 | | 9179 | 13428 |
| 4.361 | | 2161 | 3708 |
| 4.419 | | 644 | 603 |
| 4.501 | | 264 | 303 |
| 4.547 | | 784 | 306 |
| 4.567 | | 989 | 736 |
| 4.61 | | 7299 | 9061 |
| 4.646 | | 341 | 185 |
| 4.678 | | 617 | 466 |
| 4.709 | | 649 | 683 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.748 | | 1291 | 1057 |
| 4.874 | | 2337 | 2034 |
| 4.924 | | 1050 | 839 |
| 4.969 | | 7820 | 11637 |
| 5.033 | | 1056 | 1230 |
| 5.113 | | 5049 | 5108 |
| 5.156 | | 291 | 176 |
| 5.195 | | 487 | 447 |
| 5.323 | | 7992 | 13803 |
| 5.42 | | 296 | 2694 |
| 5.443 | | 1314 | 1586 |
| 5.518 | | 4570 | 5447 |
| 5.572 | | 351 | 511 |
| 5.599 | | 470 | 433 |
| 5.644 | | 15283 | 21920 |
| 5.72 | | 5928 | 6066 |
| 5.793 | | 459 | 299 |
| 5.83 | | 608 | 915 |
| 5.89 | | 580 | 1319 |
| 5.907 | | 323 | 170 |
| 5.956 | | 5884 | 7888 |
| 6.014 | | 23908 | 24692 |
| 6.077 | | 23601 | 28698 |
| 6.143 | | 429 | 740 |
| 6.242 | | 8294 | 35801 |
| 6.304 | | 591 | 1628 |
| 6.331 | | 515 | 204 |
| 6.358 | | 767 | 374 |
| 6.382 | | 988 | 669 |
| 6.451 | | 18639 | 16833 |
| 6.512 | | 5963 | 8208 |
| 6.561 | | 670 | 177 |
| 6.601 | DCB | 2157227 | 2248975 |
| 6.7 | | 667 | 693 |
| 6.723 | | 395 | 308 |
| 6.741 | | 616 | 435 |
| 6.769 | | 3053 | 4193 |
| 6.884 | | 5715 | 20672 |
| 6.959 | | 592 | 280 |
| 6.99 | | 344 | 297 |

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

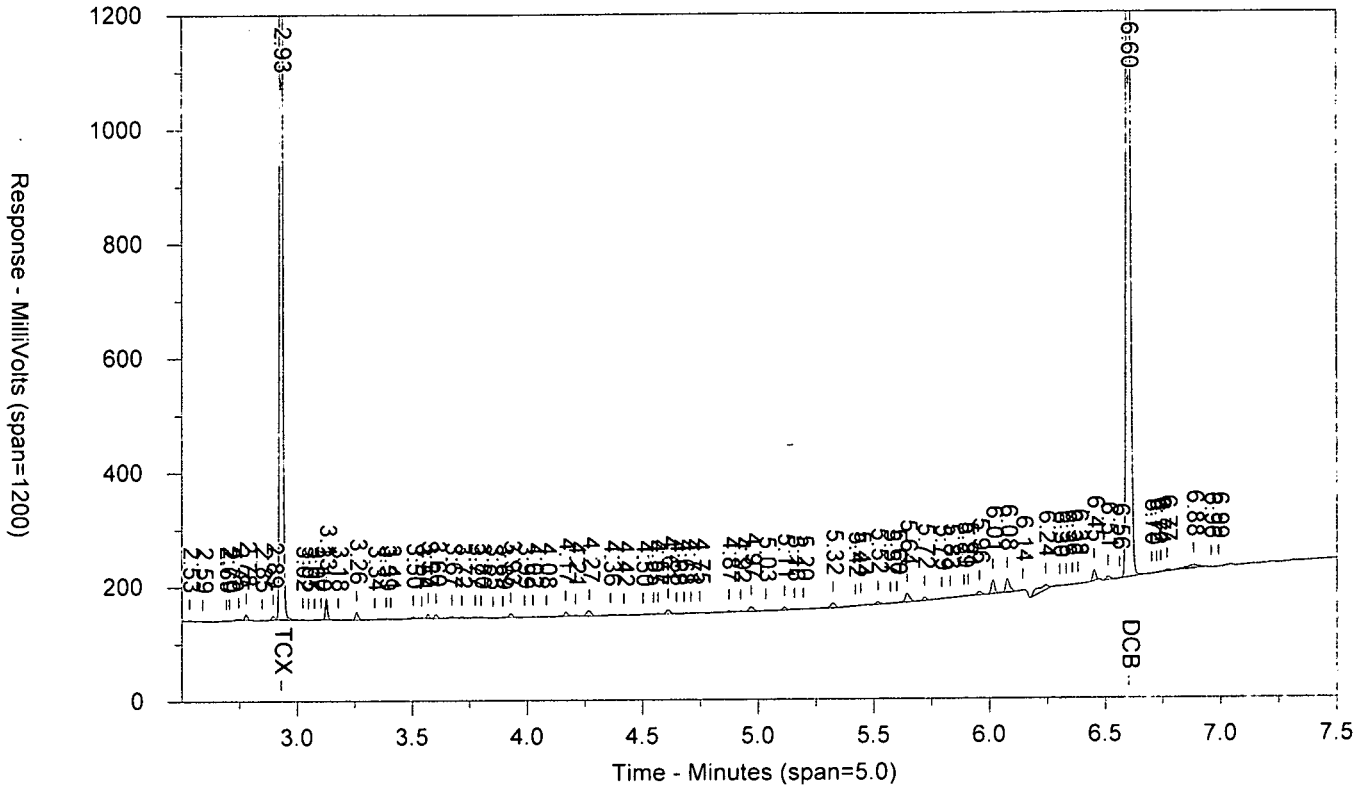
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.054 | | 9260 | 7324 |
| 2.156 | | 9436 | 20892 |
| 2.188 | | 3958 | 3468 |
| 2.206 | | 2224 | 1455 |
| 2.234 | | 5025 | 5417 |
| 2.359 | | 2832 | 4225 |
| 2.412 | | 3097 | 4298 |
| 2.495 | | 10692 | 19657 |
| 2.533 | | 3513 | 2583 |
| 2.547 | | 15695 | 13274 |
| 2.592 | | 1450 | 624 |
| 2.614 | TCX | 5263363 | 3114761 |
| 2.7 | | 2694 | 4052 |
| 2.777 | | 4981 | 13607 |
| 2.832 | | 74325 | 47683 |
| 2.876 | | 1932 | 5185 |
| 2.948 | | 14542 | 9073 |
| 3.069 | | 3775 | 7596 |
| 3.123 | | 2156 | 4501 |
| 3.151 | | 521 | 78 |
| 3.161 | | 465 | 162 |
| 3.167 | | 869 | 239 |
| 3.183 | | 3505 | 1735 |
| 3.198 | | 723 | 181 |
| 3.218 | | 672 | 149 |
| 3.224 | | 694 | 211 |
| 3.248 | | 518 | 114 |
| 3.256 | | 685 | 118 |
| 3.266 | | 702 | 298 |
| 3.291 | | 16753 | 11920 |
| 3.312 | | 911 | 354 |
| 3.327 | | 7479 | 4583 |
| 3.352 | | 8845 | 5338 |
| 3.382 | | 5801 | 7109 |
| 3.399 | | 807 | 164 |
| 3.405 | | 772 | 194 |
| 3.426 | | 441 | 122 |
| 3.45 | | 4820 | 3262 |
| 3.472 | | 761 | 124 |
| 3.48 | | 1322 | 753 |
| 3.504 | | 834 | 189 |
| 3.513 | | 742 | 167 |
| 3.531 | | 1026 | 405 |
| 3.559 | | 5901 | 4791 |
| 3.579 | | 731 | 311 |
| 3.597 | | 2477 | 2820 |
| 3.632 | | 817 | 807 |
| 3.638 | | 835 | 252 |
| 3.643 | | 475 | 79 |
| 3.658 | | 541 | 75 |
| 3.669 | | 704 | 172 |
| 3.678 | | 461 | 78 |
| 3.705 | | 931 | 533 |
| 3.715 | | 1370 | 488 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.732 | | 1218 | 763 |
| 3.766 | | 663 | 393 |
| 3.771 | | 1199 | 1114 |
| 3.813 | | 2094 | 2121 |
| 3.889 | | 4750 | 8289 |
| 3.922 | | 789 | 235 |
| 3.943 | | 18895 | 20204 |
| 4.033 | | 1473 | 1189 |
| 4.075 | | 12476 | 24022 |
| 4.149 | | 7148 | 10225 |
| 4.195 | | 2088 | 1507 |
| 4.232 | | 4116 | 3613 |
| 4.298 | | 983 | 389 |
| 4.349 | | 1020 | 390 |
| 4.377 | | 3315 | 6126 |
| 4.438 | | 7757 | 12089 |
| 4.498 | | 1595 | 2146 |
| 4.53 | | 1341 | 611 |
| 4.543 | | 2980 | 2739 |
| 4.613 | | 1503 | 879 |
| 4.641 | | 3611 | 2732 |
| 4.666 | | 7539 | 6193 |
| 4.737 | | 2425 | 11240 |
| 4.762 | | 1611 | 1981 |
| 4.809 | | 873 | 426 |
| 4.834 | | 4069 | 3756 |
| 4.874 | | 868 | 771 |
| 4.894 | | 1202 | 337 |
| 4.933 | | 1683 | 1879 |
| 4.958 | | 2810 | 3540 |
| 5.016 | | 759 | 4301 |
| 5.054 | | 7574 | 6351 |
| 5.104 | | 1282 | 885 |
| 5.146 | | 1064 | 668 |
| 5.177 | | 22234 | 18112 |
| 5.22 | | 953 | 235 |
| 5.237 | | 3487 | 8056 |
| 5.296 | | 3686 | 5003 |
| 5.338 | | 45696 | 73238 |
| 5.395 | | 24040 | 73123 |
| 5.431 | | 1128 | 867 |
| 5.467 | | 1826 | 1454 |
| 5.517 | | 56771 | 55939 |
| 5.585 | | 52781 | 54218 |
| 5.637 | | 9567 | 8755 |
| 5.66 | | 1063 | 227 |
| 5.682 | | 1885 | 1774 |
| 5.724 | | 972 | 901 |
| 5.765 | | 778 | 1379 |
| 5.797 | | 3747 | 4811 |
| 5.849 | | 2330 | 5851 |
| 5.87 | | 901 | 287 |
| 5.897 | | 1265 | 1223 |
| 5.939 | | 57557 | 50222 |
| 5.97 | | 1905 | 963 |
| 6.004 | | 7754 | 7458 |
| 6.051 | | 1738 | 2142 |
| 6.098 | DCB | 7197141 | 5997011 |
| 6.216 | | 3621 | 3458 |
| 6.242 | | 1720 | 1858 |
| 6.311 | | 3135 | 2314 |
| 6.333 | | 1228 | 621 |
| 6.364 | | 704 | 453 |
| 6.406 | | 3223 | 5691 |
| 6.47 | | 1912 | 2047 |
| 6.548 | | 8211 | 7428 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.578 | | 1436 | 879 |
| 6.614 | | 1975 | 1726 |
| 6.718 | | 3821 | 7895 |
| 6.756 | | 1782 | 581 |
| 6.782 | | 1407 | 437 |
| 6.853 | | 1364 | 1200 |
| 6.875 | | 2950 | 3734 |
| 6.921 | | 2103 | 3201 |

IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.005.RAW

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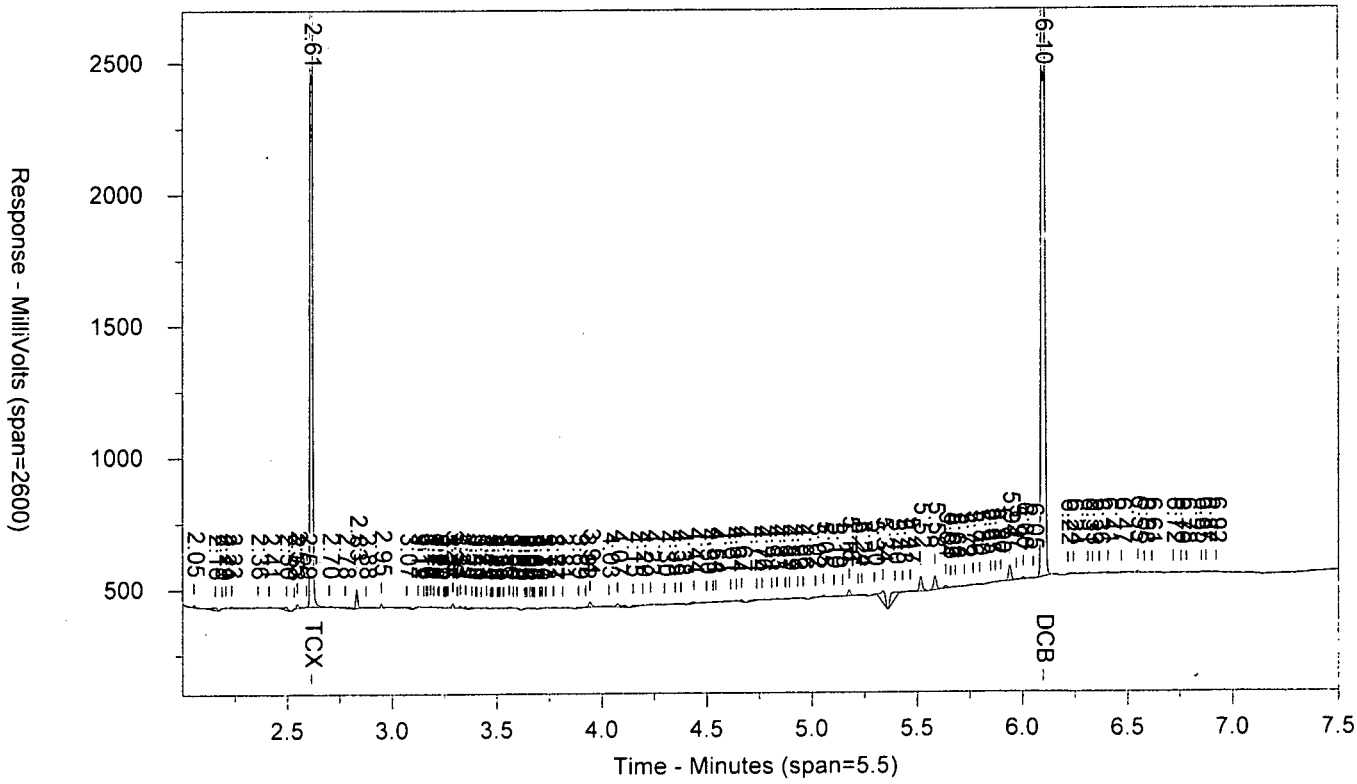


LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

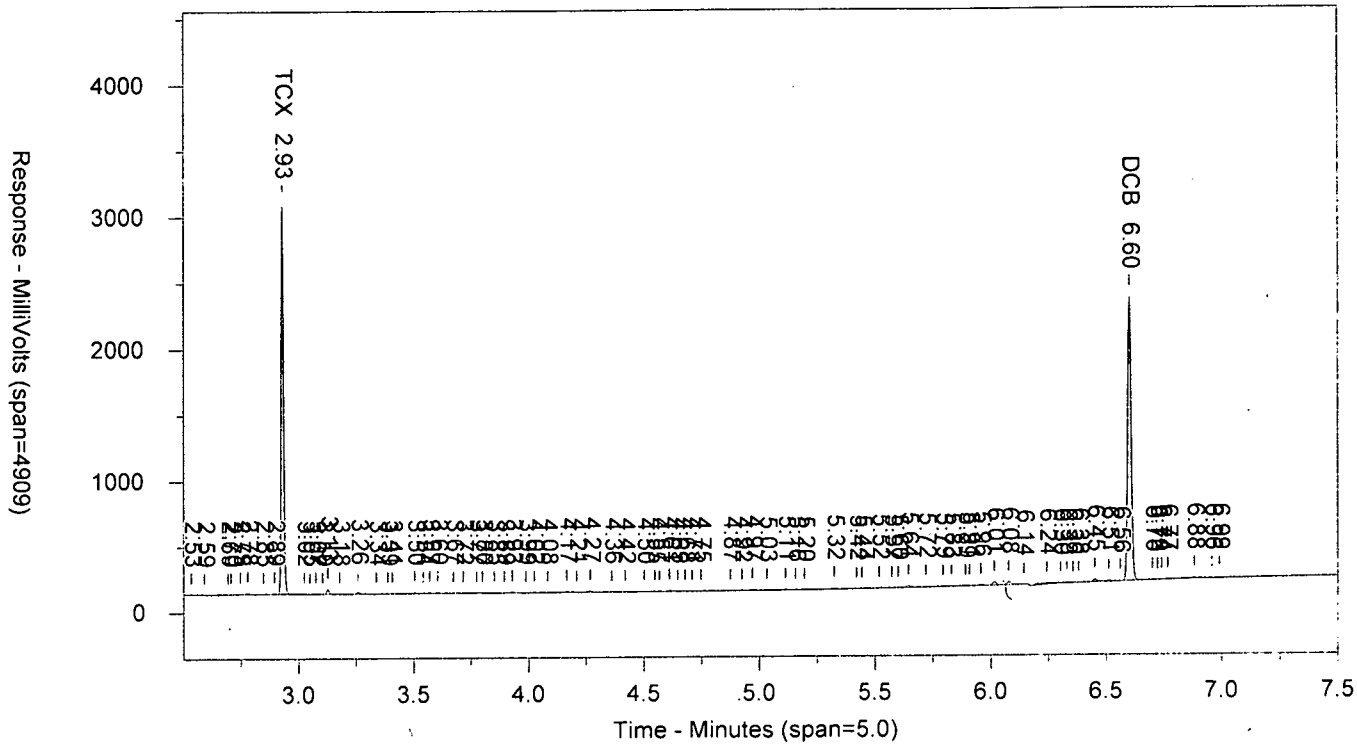
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 2942936 | .201 | TCX | 2.614 | 5263363 | .198 | TCX |
| 6.601 | 2157227 | .189 | DCB | 6.098 | 7197141 | .194 | DCB |

Files:
Area File: 25PCBs17289001.005.RAW
Area File: 25PCBs17289001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:36:47 PM
File Reported On: 10/17/2017 at 4:14:58 PM

IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.005.RAW

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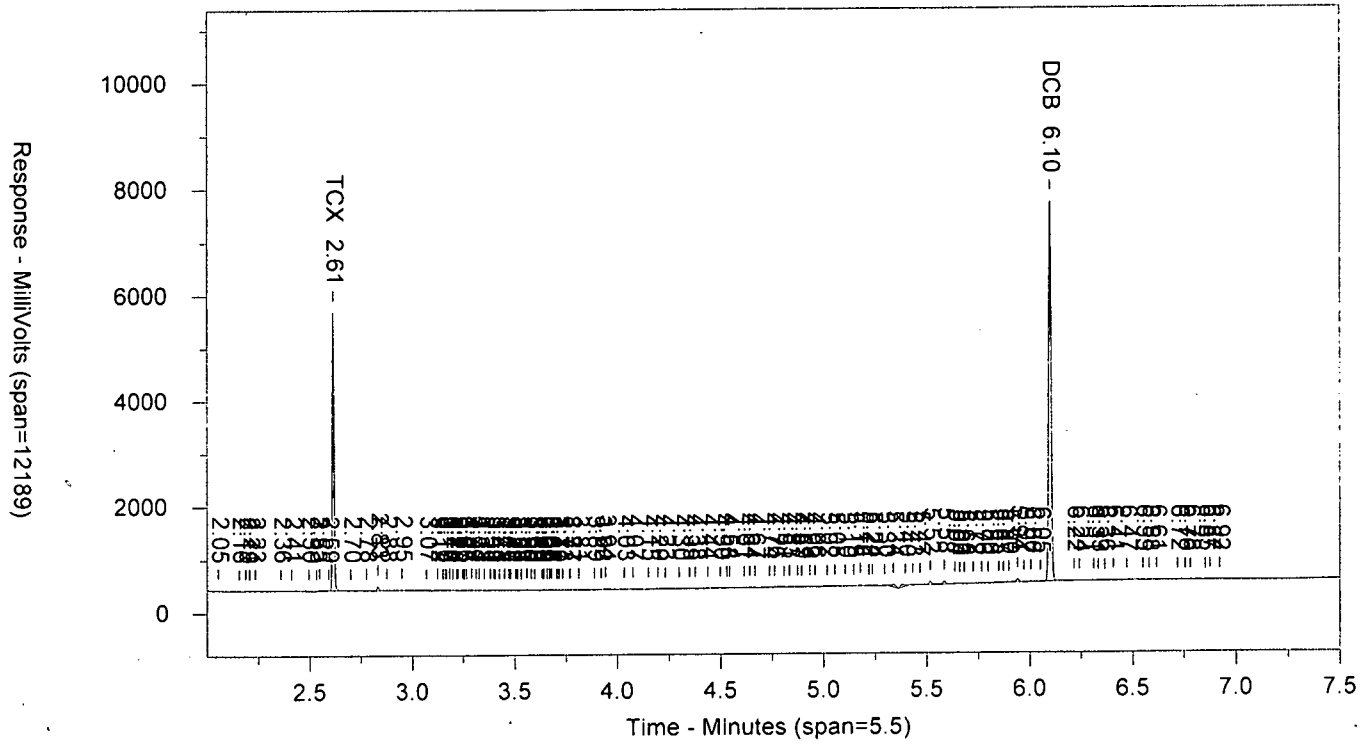
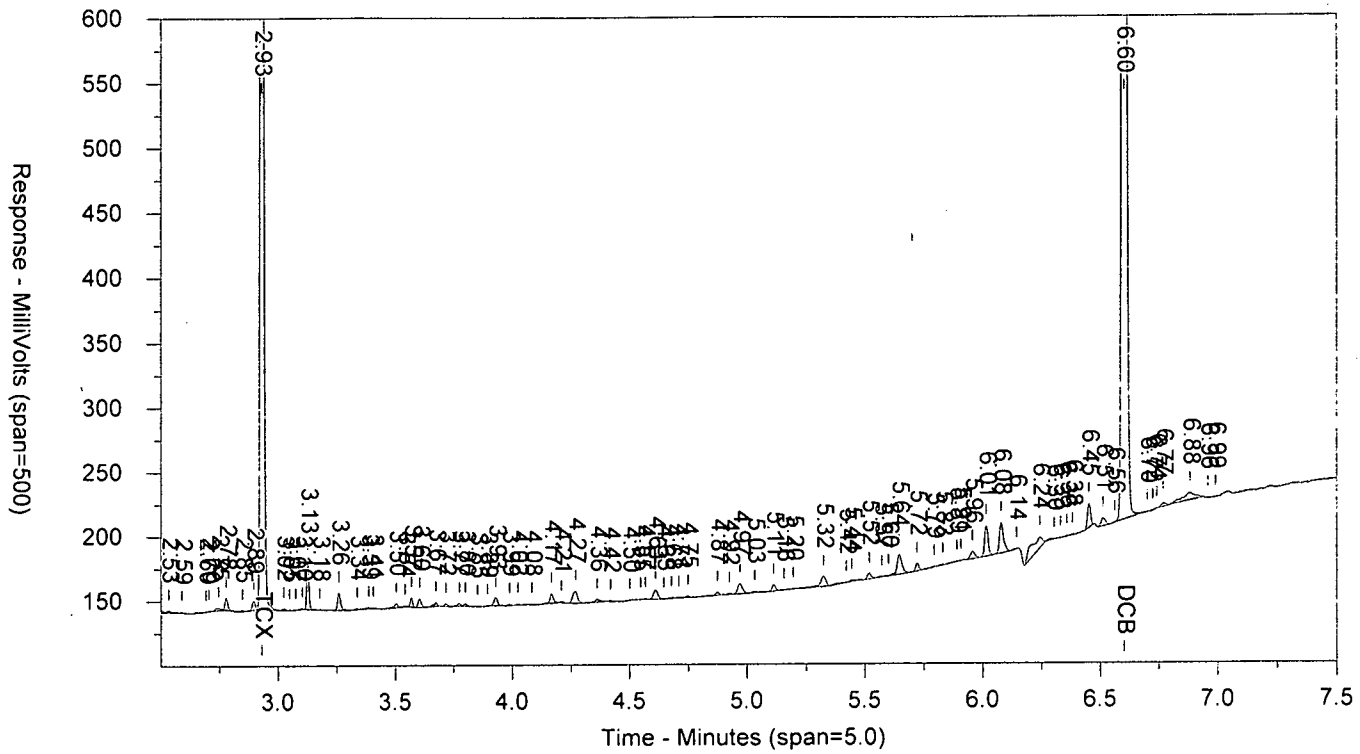


IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.005.RAW

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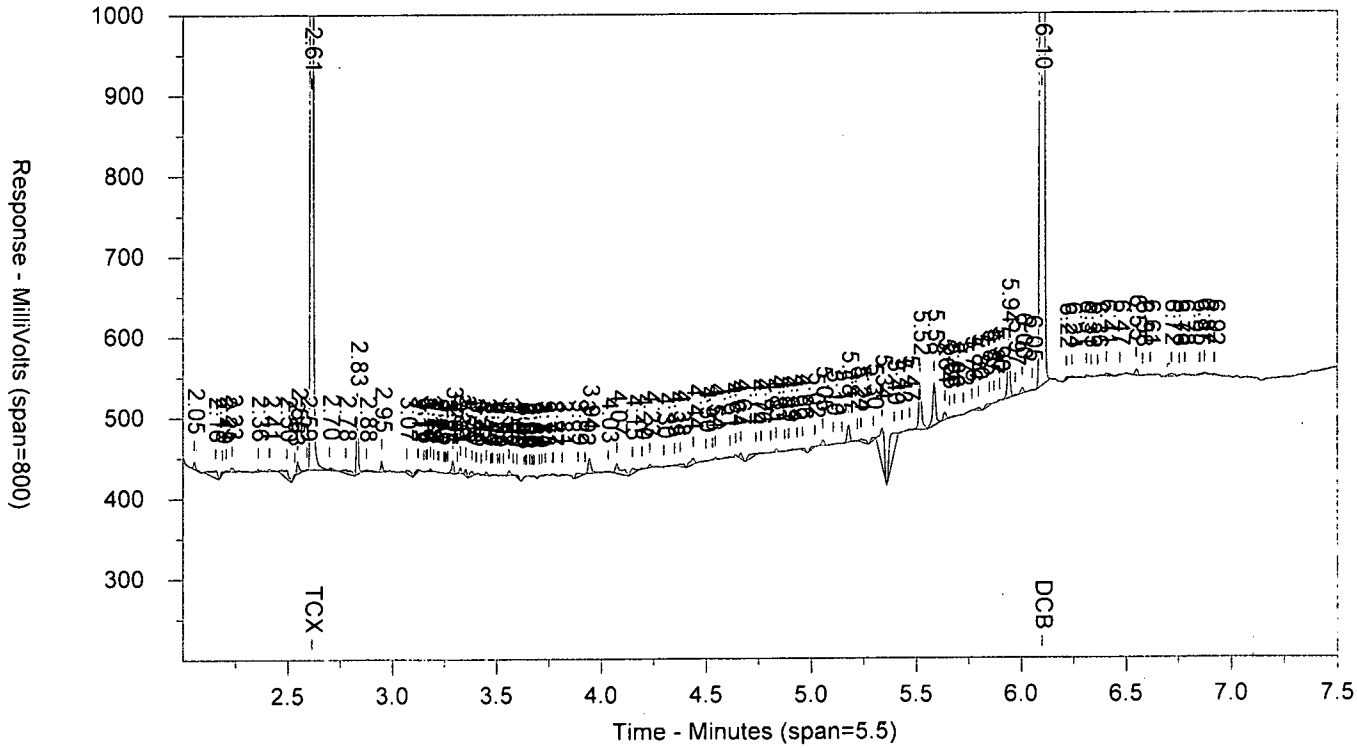


LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.035 | | 6670 | 8533 |
| 2.086 | | 6835 | 10053 |
| 2.13 | | 9332 | 6487 |
| 2.209 | | 647 | 431 |
| 2.231 | | 12501 | 9430 |
| 2.334 | | 69114 | 49873 |
| 2.368 | | 1971 | 2017 |
| 2.504 | | 80399 | 57498 |
| 2.536 | | 1642 | 2387 |
| 2.589 | | 742 | 394 |
| 2.606 | | 764 | 487 |
| 2.65 | | 388 | 463 |
| 2.687 | | 408 | 298 |
| 2.71 | | 855 | 615 |
| 2.737 | | 658 | 295 |
| 2.778 | | 8165 | 6829 |
| 2.87 | | 1293 | 766 |
| 2.897 | | 2560 | 1988 |
| 2.931 | TCX | 2908829 | 1976755 |
| 3.019 | | 1208 | 912 |
| 3.055 | | 415 | 297 |
| 3.096 | | 758 | 1447 |
| 3.127 | | 36577 | 25394 |
| 3.177 | | 393 | 126 |
| 3.207 | | 1981343 | 1310126 |
| 3.258 | | 9152 | 6352 |
| 3.307 | | 13476 | 9682 |
| 3.364 | | 894 | 594 |
| 3.404 | | 1518591 | 988378 |
| 3.44 | | 8815 | 6092 |
| 3.487 | | 746 | 470 |
| 3.515 | | 643727 | 450185 |
| 3.568 | | 4501 | 2898 |
| 3.603 | | 3312 | 3305 |
| 3.629 | | 1106 | 576 |
| 3.671 | | 1345 | 2007 |
| 3.691 | | 74821 | 52254 |
| 3.715 | | 3815 | 2156 |
| 3.756 | | 1823 | 1034 |
| 3.775 | | 2138 | 1361 |
| 3.809 | | 140665 | 112225 |
| 3.837 | | 17013 | 10518 |
| 3.855 | | 2144 | 888 |
| 3.922 | | 2577 | 3718 |
| 3.953 | | 645 | 434 |
| 3.998 | | 7873 | 8696 |
| 4.044 | | 12014 | 8448 |
| 4.078 | | 42193 | 35074 |
| 4.123 | | 7876 | 6621 |
| 4.166 | | 142199 | 113863 |
| 4.199 | | 28333 | 19248 |
| 4.217 | | 26445 | 15579 |
| 4.267 | | 6782 | 13060 |
| 4.336 | | 11066 | 11877 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.376 | | 267287 | 244308 |
| 4.461 | | 2188 | 1393 |
| 4.482 | | 8662 | 10337 |
| 4.526 | | 63873 | 61123 |
| 4.569 | | 61463 | 49851 |
| 4.612 | | 3191 | 3301 |
| 4.639 | | 3171 | 2343 |
| 4.691 | | 211651 | 206325 |
| 4.792 | | 274492 | 259782 |
| 4.831 | | 3728753 | 3471358 |
| 4.881 | | 44762 | 32100 |
| 4.934 | | 513637 | 484971 |
| 5.018 | | 102222 | 109823 |
| 5.084 | | 142362 | 134743 |
| 5.113 | | 2249 | 1468 |
| 5.141 | | 2790 | 2072 |
| 5.173 | | 3292621 | 3234240 |
| 5.248 | | 22149 | 26122 |
| 5.327 | | 4835 | 6318 |
| 5.389 | | 561756 | 570483 |
| 5.432 | | 4407 | 2640 |
| 5.479 | | 9620 | 8196 |
| 5.531 | | 3865843 | 3725238 |
| 5.571 | | 121101 | 96395 |
| 5.611 | | 659564 | 631587 |
| 5.642 | | 6403 | 4990 |
| 5.719 | | 867 | 614 |
| 5.755 | | 476 | 292 |
| 5.805 | | 455 | 1053 |
| 5.83 | | 433 | 379 |
| 5.865 | | 902 | 1163 |
| 5.895 | | 398 | 210 |
| 5.925 | | 463 | 270 |
| 5.958 | | 2703 | 3820 |
| 6.015 | | 25438 | 25650 |
| 6.077 | | 23802 | 27370 |
| 6.154 | | 663 | 918 |
| 6.17 | | 434 | 281 |
| 6.214 | | 602 | 837 |
| 6.242 | | 2249 | 3026 |
| 6.287 | | 1173 | 1750 |
| 6.323 | | 433 | 292 |
| 6.362 | | 555 | 163 |
| 6.389 | | 462 | 404 |
| 6.425 | | 470 | 603 |
| 6.451 | | 20760 | 21765 |
| 6.51 | | 4116 | 5148 |
| 6.599 | DCB | 2247239 | 2307957 |
| 6.69 | | 608 | 265 |
| 6.706 | | 828 | 354 |
| 6.744 | | 658 | 812 |
| 6.778 | | 762 | 1255 |
| 6.796 | | 674 | 159 |
| 6.826 | | 808 | 855 |
| 6.857 | | 611 | 342 |
| 6.882 | | 3309 | 7494 |
| 6.986 | | 924 | 939 |

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

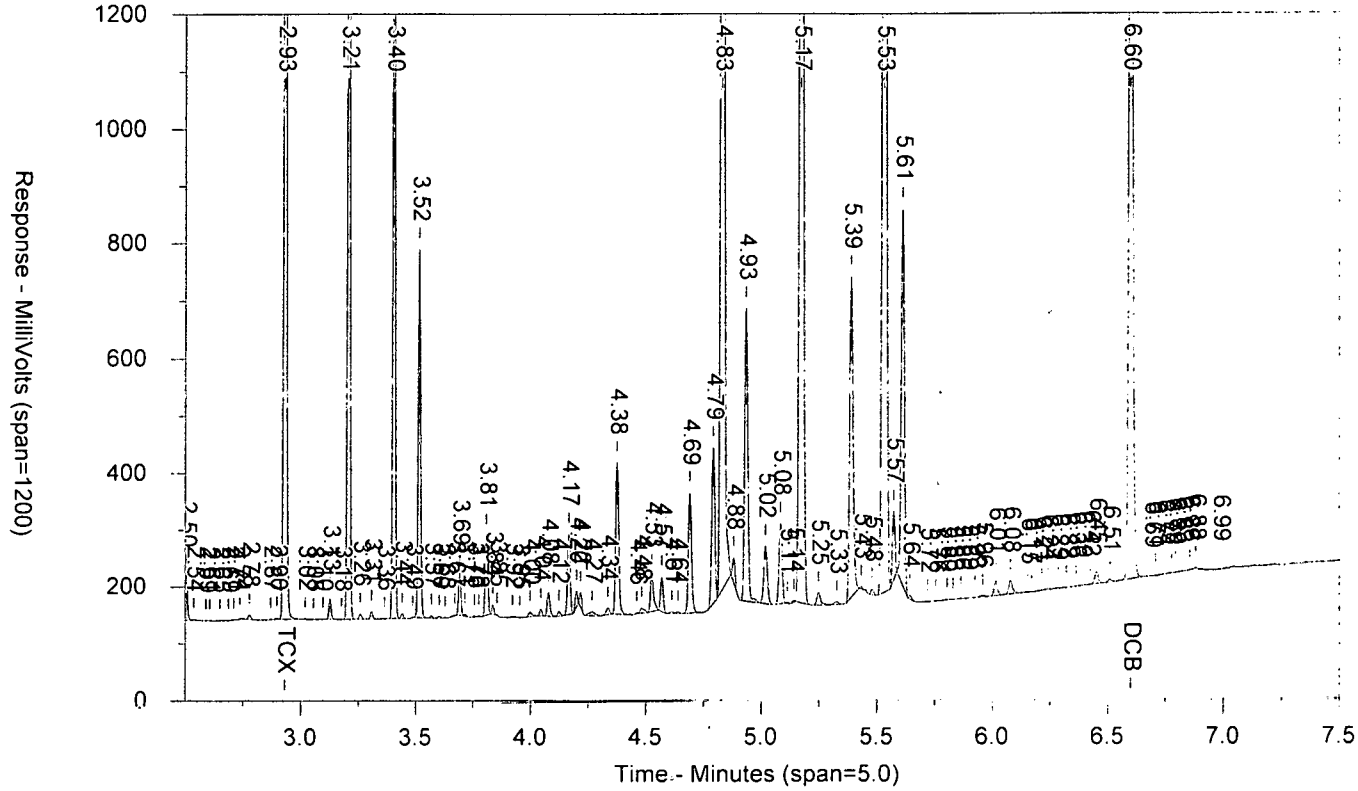
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.054 | | 8781 | 5461 |
| 2.119 | | 1212 | 1223 |
| 2.155 | | 108085 | 66210 |
| 2.187 | | 2591 | 1924 |
| 2.207 | | 6876 | 4554 |
| 2.236 | | 5081 | 5738 |
| 2.268 | | 2058 | 1975 |
| 2.322 | | 155257 | 90204 |
| 2.369 | | 3404 | 4481 |
| 2.411 | | 3654 | 3335 |
| 2.473 | | 1708 | 1397 |
| 2.548 | | 20191 | 29527 |
| 2.594 | | 1538 | 770 |
| 2.615 | TCX | 5132797 | 3045934 |
| 2.704 | | 5940 | 6949 |
| 2.801 | | 2557 | 2690 |
| 2.832 | | 73256 | 44307 |
| 2.887 | | 3627 | 5440 |
| 2.96 | | 3537751 | 1919271 |
| 3.06 | | 752 | 291 |
| 3.065 | | 577 | 79 |
| 3.078 | | 27796 | 18894 |
| 3.114 | | 17980 | 12425 |
| 3.142 | | 843 | 313 |
| 3.169 | | 2581685 | 1470139 |
| 3.223 | | 745 | 200 |
| 3.234 | | 796 | 130 |
| 3.239 | | 1751 | 974 |
| 3.268 | | 6685 | 4385 |
| 3.291 | | 8174 | 4796 |
| 3.311 | | 2473 | 966 |
| 3.327 | | 8736 | 4577 |
| 3.35 | | 1217528 | 702797 |
| 3.378 | | 360 | 173 |
| 3.383 | | 1552 | 554 |
| 3.41 | | 4129 | 2388 |
| 3.433 | | 6104 | 3543 |
| 3.451 | | 16910 | 8735 |
| 3.472 | | 388159 | 261954 |
| 3.504 | | 37351 | 23018 |
| 3.546 | | 18272 | 11965 |
| 3.562 | | 3578 | 1937 |
| 3.584 | | 1013 | 218 |
| 3.595 | | 3158 | 2375 |
| 3.624 | | 3136 | 2230 |
| 3.649 | | 5589 | 3841 |
| 3.66 | | 639 | 94 |
| 3.67 | | 8091 | 4400 |
| 3.692 | | 580 | 205 |
| 3.713 | | 3406 | 1834 |
| 3.727 | | 498 | 91 |
| 3.747 | | 1025 | 661 |
| 3.762 | | 262601 | 154965 |
| 3.778 | | 50896 | 23222 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.794 | | 14053 | 5630 |
| 3.81 | | 11842 | 6014 |
| 3.838 | | 82555 | 54205 |
| 3.859 | | 77360 | 45638 |
| 3.895 | | 9216 | 11588 |
| 3.919 | | 1020 | 712 |
| 3.943 | | 18720 | 15451 |
| 3.972 | | 5094 | 2299 |
| 3.993 | | 593753 | 412903 |
| 4.02 | | 11244 | 6429 |
| 4.073 | | 11248 | 12130 |
| 4.108 | | 5530 | 3336 |
| 4.124 | | 7273 | 3462 |
| 4.148 | | 129010 | 109312 |
| 4.192 | | 13223 | 11643 |
| 4.243 | | 146771 | 128058 |
| 4.301 | | 4098 | 4430 |
| 4.34 | | 1149 | 770 |
| 4.367 | | 447418 | 344718 |
| 4.424 | | 8185892 | 6103246 |
| 4.465 | | 150438 | 115005 |
| 4.518 | | 1240879 | 965433 |
| 4.559 | | 27128 | 19457 |
| 4.582 | | 6574 | 5383 |
| 4.629 | | 182229 | 145687 |
| 4.66 | | 12840 | 9416 |
| 4.695 | | 7714388 | 5751459 |
| 4.754 | | 308854 | 242186 |
| 4.787 | | 17713 | 12821 |
| 4.818 | | 5256 | 4694 |
| 4.867 | | 41462 | 38576 |
| 4.902 | | 5122 | 3534 |
| 4.938 | | 1695 | 1115 |
| 4.992 | | 1677 | 770 |
| 5.021 | | 986867 | 959458 |
| 5.124 | | 8377221 | 6594391 |
| 5.179 | | 49130 | 36909 |
| 5.198 | | 15132 | 8481 |
| 5.243 | | 8584 | 12460 |
| 5.301 | | 1638786 | 1360961 |
| 5.354 | | 90056 | 77227 |
| 5.421 | | 1593 | 1435 |
| 5.474 | | 371 | 1005 |
| 5.518 | | 54706 | 50789 |
| 5.586 | | 52865 | 47663 |
| 5.635 | | 8383 | 7628 |
| 5.672 | | 1304 | 781 |
| 5.693 | | 856 | 498 |
| 5.745 | | 1841 | 2753 |
| 5.772 | | 969 | 1176 |
| 5.797 | | 2030 | 2405 |
| 5.844 | | 1759 | 2022 |
| 5.939 | | 60385 | 49510 |
| 5.973 | | 2259 | 1346 |
| 6.003 | | 5504 | 4990 |
| 6.05 | | 1428 | 744 |
| 6.097 | DCB | 6998747 | 6121644 |
| 6.156 | | 1851 | 2125 |
| 6.215 | | 6915 | 11923 |
| 6.282 | | 1368 | 1010 |
| 6.313 | | 1632 | 935 |
| 6.361 | | 845 | 908 |
| 6.404 | | 1291 | 1411 |
| 6.431 | | 1692 | 1015 |
| 6.502 | | 2363 | 2643 |
| 6.545 | | 5920 | 5279 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.604 | | 882 | 504 |
| 6.693 | | 1213 | 656 |
| 6.719 | | 1280 | 960 |
| 6.773 | | 6784 | 6736 |
| 6.803 | | 1447 | 1064 |
| 6.887 | | 1314 | 943 |
| 6.905 | | 1352 | 1611 |

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.006.RAW

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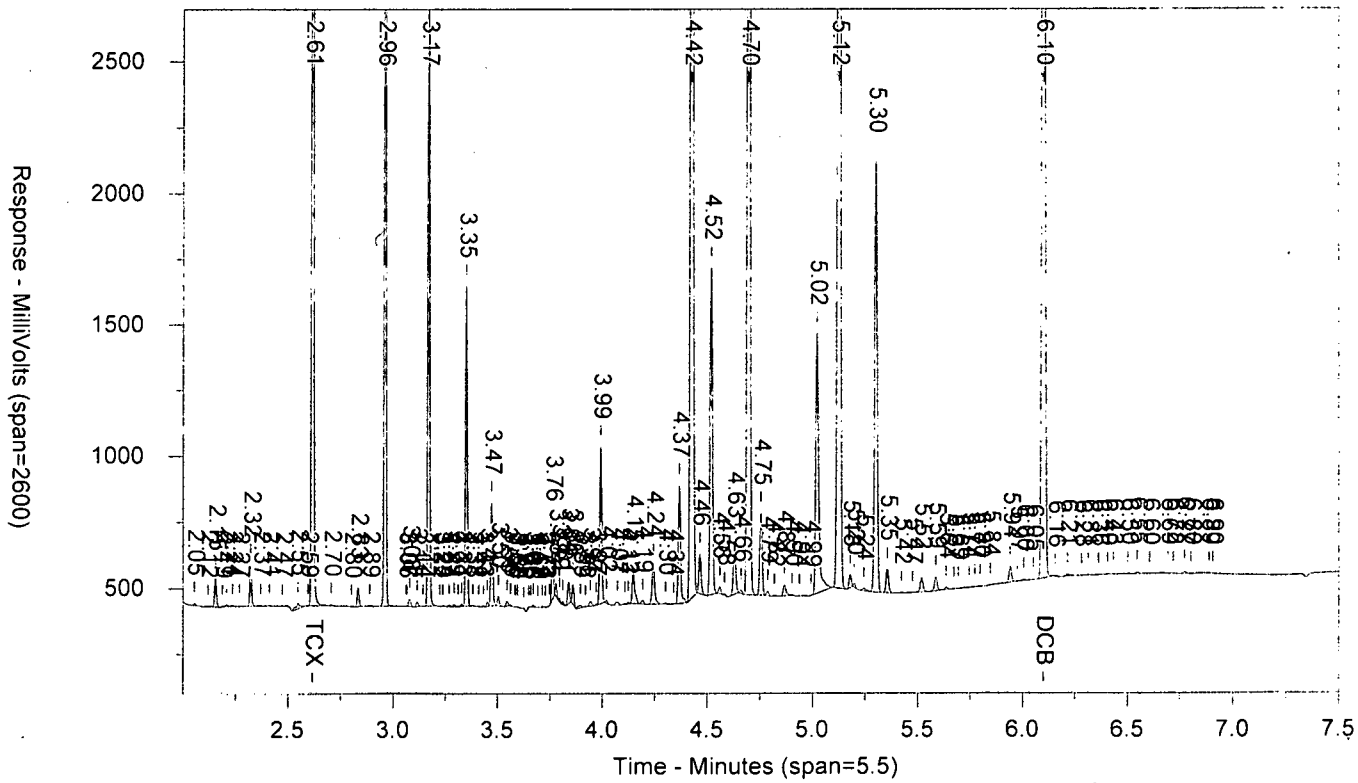


LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

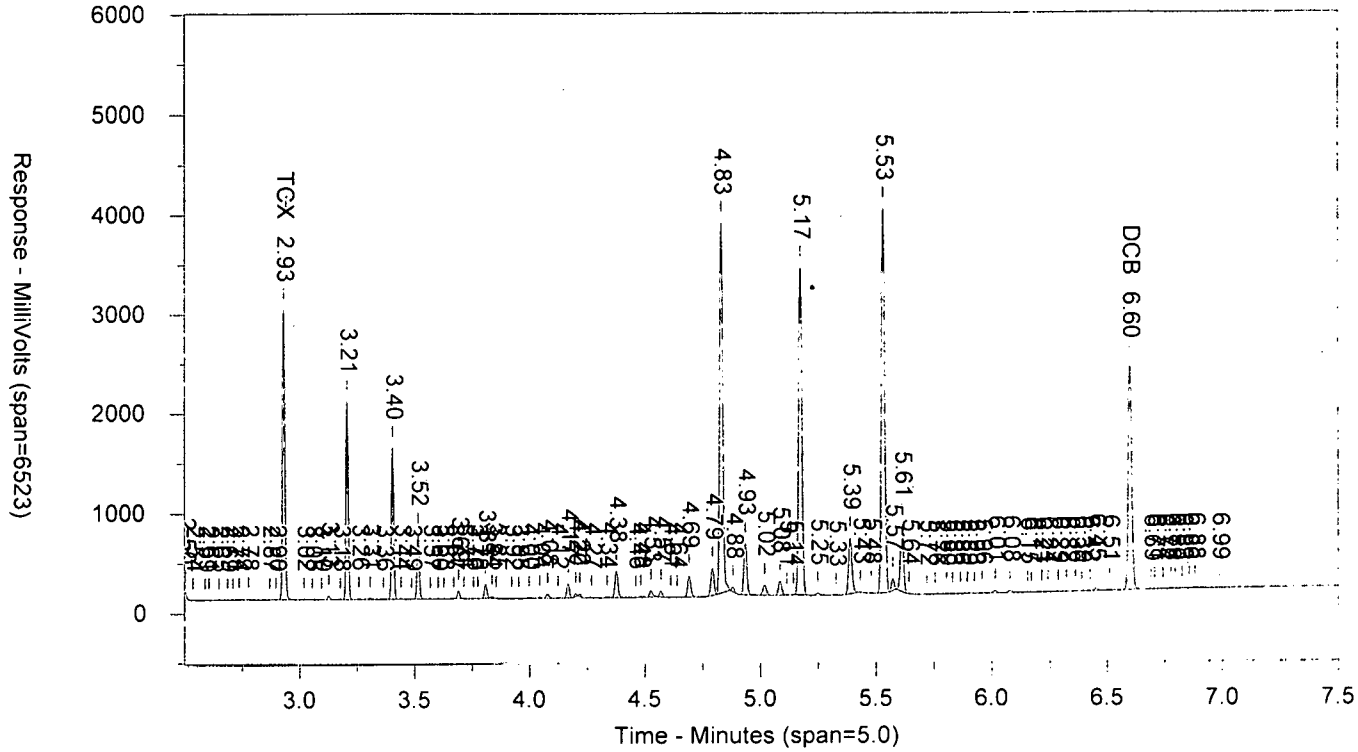
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 2908829 | 19.28 | TCX | 2.615 | 5132797 | 18.84 | TCX |
| 6.599 | 2247239 | 23.314 | DCB | 6.097 | 6998747 | 23.118 | DCB |

Files:
Area File: 25PCBs17289001.006.RAW
Area File: 25PCBs17289001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:48:03 PM
File Reported On: 10/16/2017 at 7:48:14 PM

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.006.RAW

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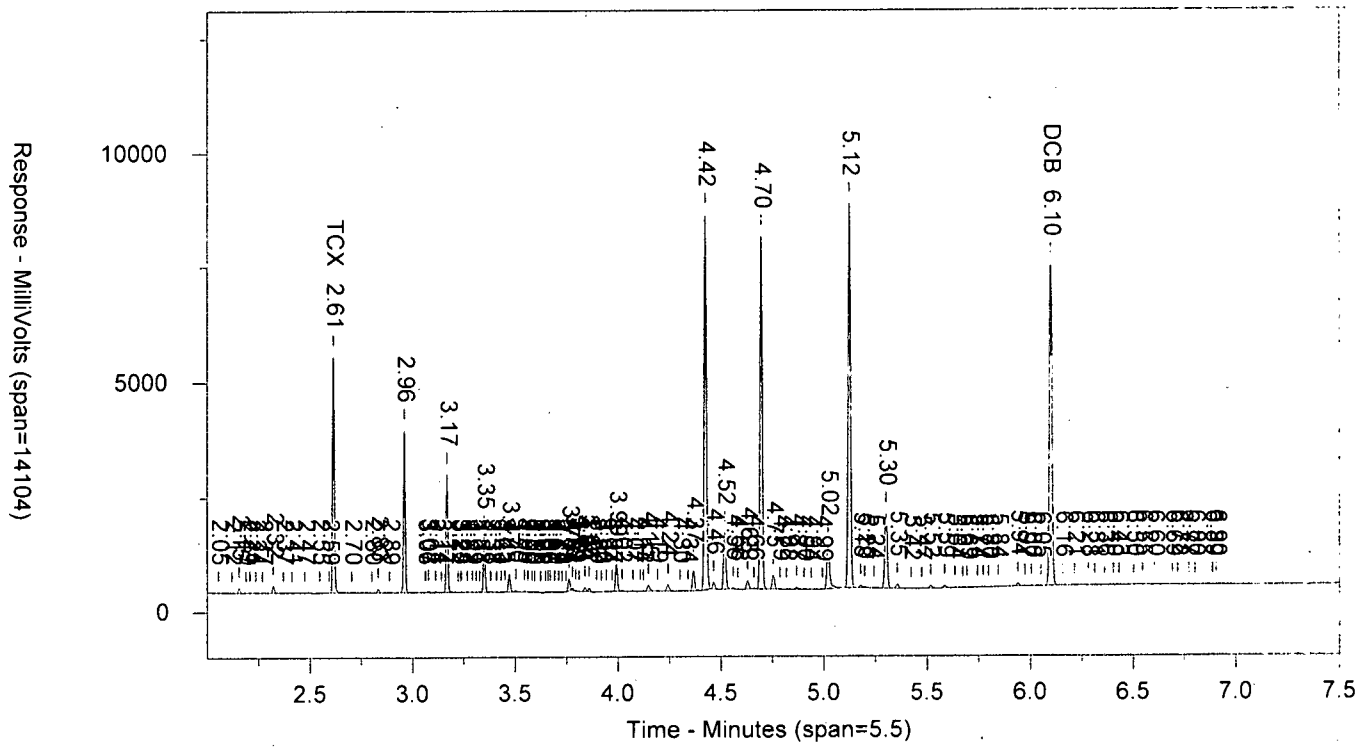

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

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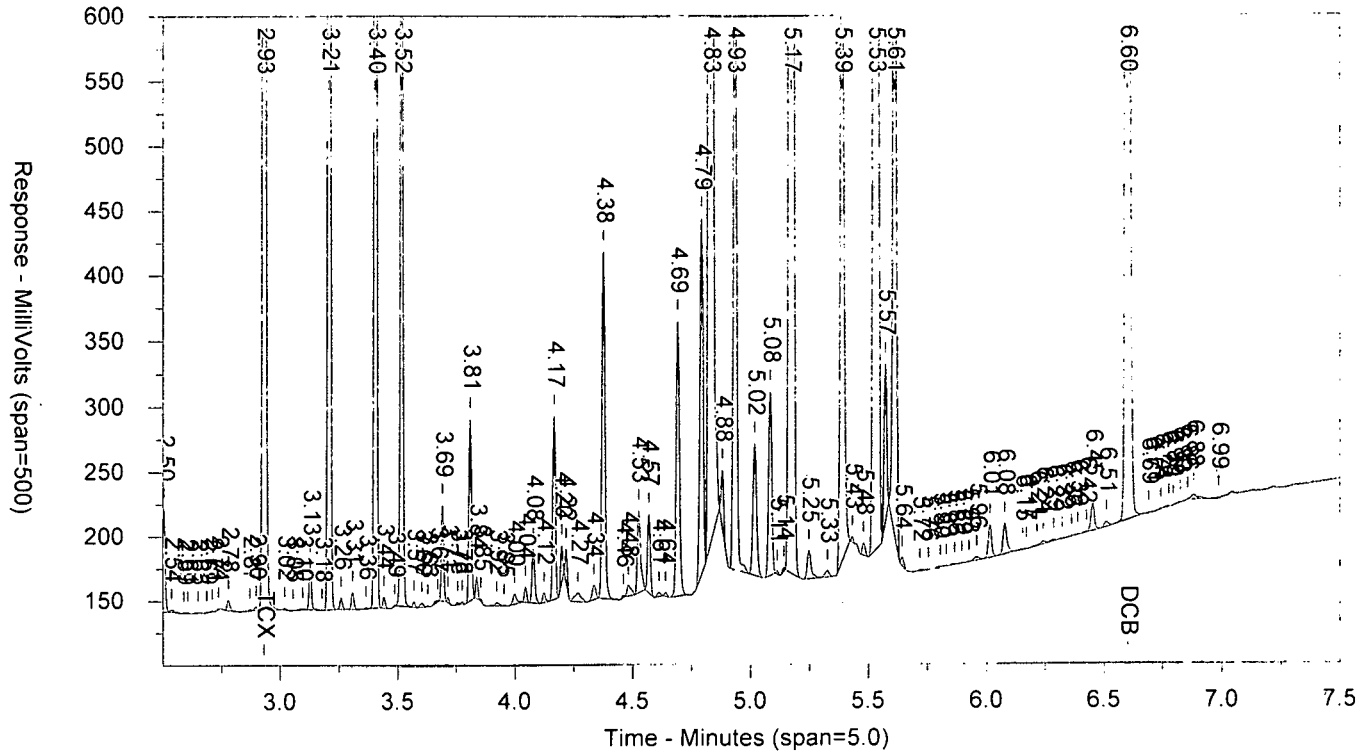


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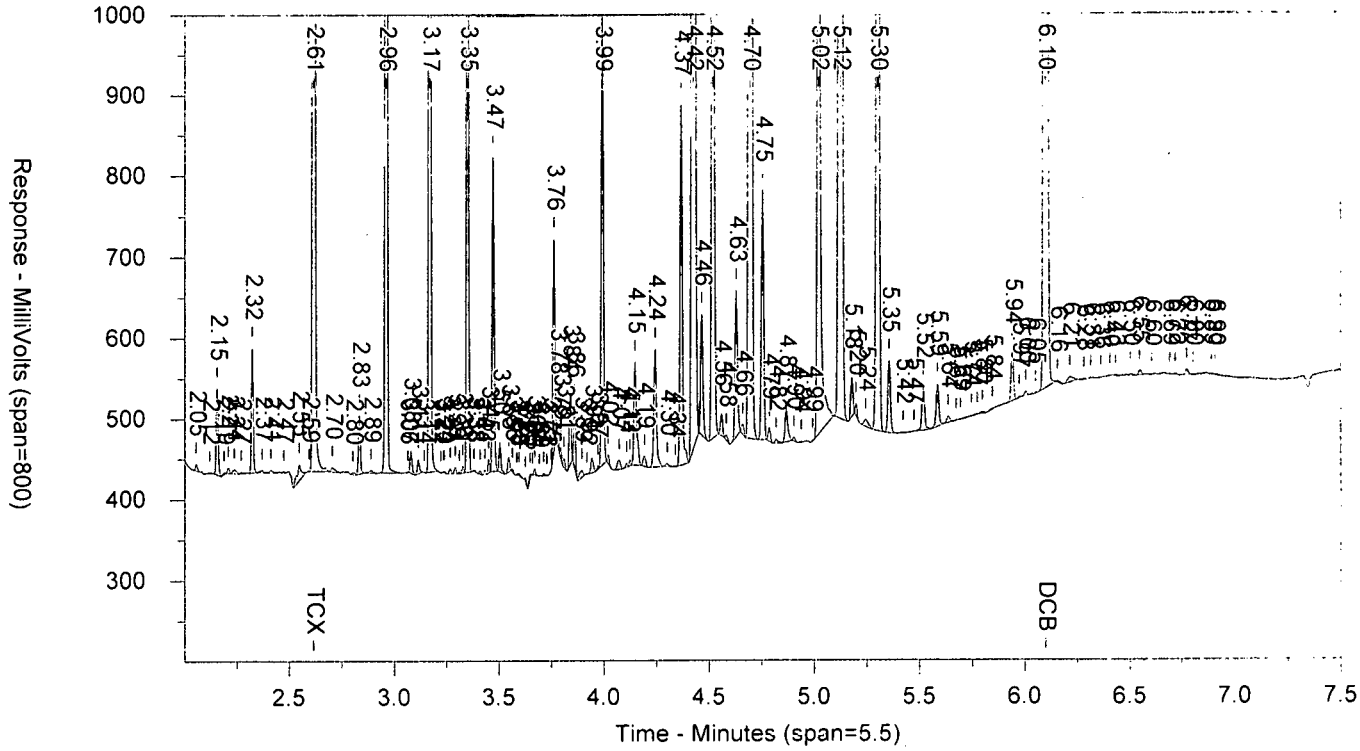


LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 7572 | 7746 |
| 2.083 | | 8727 | 20330 |
| 2.214 | | 416 | 216 |
| 2.231 | | 1343 | 1335 |
| 2.304 | | 406 | 214 |
| 2.331 | | 14922 | 10619 |
| 2.368 | | 3091 | 3768 |
| 2.407 | | 625 | 313 |
| 2.49 | | 5715 | 6236 |
| 2.533 | | 1644 | 1436 |
| 2.568 | | 1470 | 2151 |
| 2.651 | | 471 | 393 |
| 2.688 | | 539 | 778 |
| 2.711 | | 617 | 279 |
| 2.759 | | 826 | 1777 |
| 2.778 | | 13816 | 11981 |
| 2.848 | | 864 | 746 |
| 2.875 | | 639 | 359 |
| 2.895 | | 3563 | 3052 |
| 2.932 | TCX | 293018 | 202245 |
| 3.024 | | 1064 | 1105 |
| 3.078 | | 10169 | 8257 |
| 3.102 | | 781 | 530 |
| 3.134 | | 14639 | 11845 |
| 3.182 | | 69223 | 47468 |
| 3.263 | | 1756 | 1109 |
| 3.275 | | 5311 | 3034 |
| 3.339 | | 529 | 679 |
| 3.398 | | 66279 | 40356 |
| 3.415 | | 29654 | 15777 |
| 3.452 | | 7090 | 4118 |
| 3.467 | | 829 | 246 |
| 3.479 | | 4332 | 2656 |
| 3.513 | | 79545 | 62492 |
| 3.589 | | 1394 | 724 |
| 3.605 | | 1239 | 573 |
| 3.623 | | 16027 | 8848 |
| 3.638 | | 7799 | 4000 |
| 3.681 | | 39692 | 20458 |
| 3.692 | | 75734 | 39931 |
| 3.729 | | 96416 | 73634 |
| 3.786 | | 84000 | 62909 |
| 3.827 | | 5532 | 3776 |
| 3.855 | | 55249 | 41282 |
| 3.882 | | 36876 | 30665 |
| 3.903 | | 9417 | 5032 |
| 3.93 | | 2376 | 1787 |
| 3.978 | | 63993 | 45221 |
| 4.001 | | 18280 | 11848 |
| 4.033 | | 23391 | 16667 |
| 4.066 | | 66192 | 62377 |
| 4.105 | | 18997 | 15087 |
| 4.153 | | 787 | 401 |
| 4.168 | | 5655 | 3930 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.192 | | 2116 | 1145 |
| 4.225 | | 58316 | 42203 |
| 4.244 | | 10252 | 5086 |
| 4.268 | | 21347 | 18588 |
| 4.338 | | 8262 | 6775 |
| 4.38 | | 64316 | 64201 |
| 4.415 | | 2019 | 1693 |
| 4.476 | | 495 | 270 |
| 4.517 | | 5301 | 5012 |
| 4.568 | | 7029 | 4559 |
| 4.584 | | 14647 | 10550 |
| 4.628 | | 39503 | 37124 |
| 4.678 | | 62065 | 69177 |
| 4.715 | | 12841 | 8764 |
| 4.754 | | 145046 | 137215 |
| 4.798 | | 965 | 813 |
| 4.839 | | 23917 | 23795 |
| 4.873 | | 1236 | 855 |
| 4.9 | | 26735 | 24093 |
| 4.951 | | 171907 | 227668 |
| 5.003 | | 34032 | 29941 |
| 5.041 | | 80825 | 88464 |
| 5.086 | | 714 | 291 |
| 5.122 | | 15573 | 18468 |
| 5.155 | | 202363 | 220667 |
| 5.197 | | 2295 | 1059 |
| 5.223 | | 109001 | 101477 |
| 5.265 | | 67074 | 62254 |
| 5.325 | | 3940 | 4458 |
| 5.358 | | 29468 | 21702 |
| 5.384 | | 110580 | 104908 |
| 5.44 | | 63728 | 57730 |
| 5.478 | | 32373 | 32954 |
| 5.521 | | 5674 | 6078 |
| 5.562 | | 36782 | 41676 |
| 5.619 | | 290957 | 309179 |
| 5.723 | | 1103 | 1333 |
| 5.784 | | 158 | 536 |
| 5.823 | | 183692 | 177358 |
| 5.854 | | 13090 | 7769 |
| 5.88 | | 44909 | 48734 |
| 5.959 | | 3625 | 5278 |
| 6.014 | | 6771 | 6149 |
| 6.094 | | 37732 | 47847 |
| 6.132 | | 429 | 270 |
| 6.157 | | 562 | 556 |
| 6.249 | | 81213 | 84879 |
| 6.294 | | 5179 | 5536 |
| 6.367 | | 509 | 533 |
| 6.401 | | 473 | 535 |
| 6.422 | | 623 | 500 |
| 6.451 | | 22771 | 22647 |
| 6.509 | | 4665 | 6175 |
| 6.6 | DCB | 259827 | 269096 |
| 6.667 | | 653 | 782 |
| 6.766 | | 2201 | 3844 |
| 6.833 | | 667 | 1595 |
| 6.847 | | 520 | 136 |
| 6.884 | | 3911 | 9717 |
| 6.982 | | 679 | 567 |

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

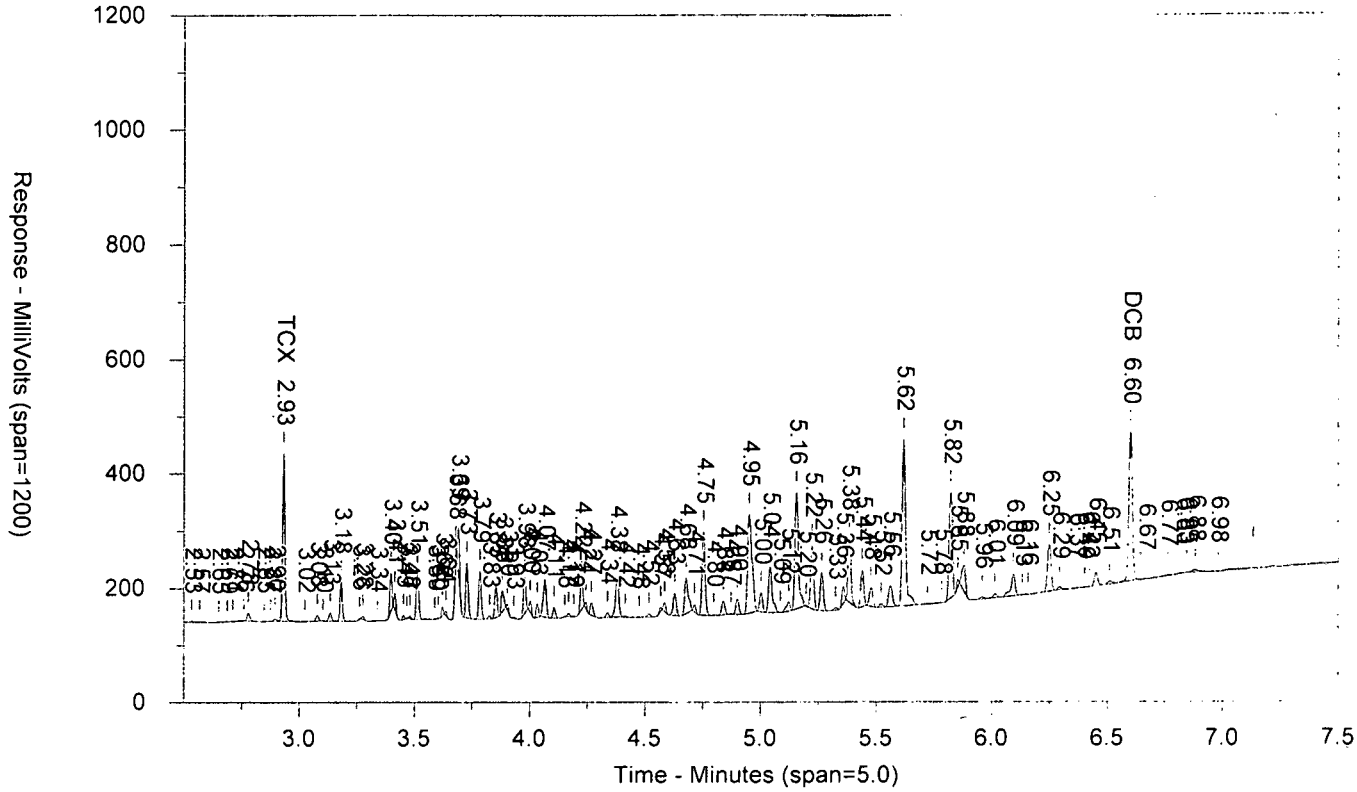
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.205 | | 3330 | 7315 |
| 2.231 | | 4201 | 7438 |
| 2.353 | | 2840 | 3464 |
| 2.411 | | 2036 | 2727 |
| 2.472 | | 4722 | 18983 |
| 2.533 | | 3840 | 3028 |
| 2.547 | | 23624 | 20044 |
| 2.614 | TCX | 527194 | 309654 |
| 2.658 | | 11743 | 9674 |
| 2.711 | | 3053 | 4410 |
| 2.785 | | 23620 | 20870 |
| 2.831 | | 6216 | 2857 |
| 2.846 | | 23305 | 12577 |
| 2.898 | | 124767 | 80017 |
| 2.951 | | 1664 | 2344 |
| 2.988 | | 2521 | 1544 |
| 3.008 | | 15937 | 10647 |
| 3.046 | | 2067 | 1663 |
| 3.066 | | 641 | 178 |
| 3.073 | | 877 | 233 |
| 3.084 | | 649 | 206 |
| 3.105 | | 104882 | 52260 |
| 3.116 | | 36564 | 13982 |
| 3.157 | | 18131 | 10938 |
| 3.177 | | 9072 | 5848 |
| 3.204 | | 14510 | 7601 |
| 3.227 | | 152923 | 101345 |
| 3.263 | | 5783 | 3218 |
| 3.279 | | 1096 | 242 |
| 3.31 | | 40737 | 21287 |
| 3.326 | | 24222 | 11857 |
| 3.354 | | 2410 | 1224 |
| 3.376 | | 95666 | 44211 |
| 3.386 | | 162042 | 68541 |
| 3.406 | | 7314 | 2707 |
| 3.42 | | 161248 | 109004 |
| 3.469 | | 349 | 70 |
| 3.494 | | 169968 | 108495 |
| 3.529 | | 131325 | 79668 |
| 3.553 | | 132933 | 76078 |
| 3.571 | | 43811 | 21927 |
| 3.629 | | 1521 | 683 |
| 3.638 | | 587 | 251 |
| 3.656 | | 157729 | 103220 |
| 3.679 | | 61910 | 33600 |
| 3.701 | | 53377 | 30401 |
| 3.716 | | 559 | 109 |
| 3.729 | | 34186 | 16480 |
| 3.746 | | 130934 | 77784 |
| 3.786 | | 47491 | 32892 |
| 3.832 | | 6536 | 5972 |
| 3.856 | | 33340 | 20520 |
| 3.878 | | 165777 | 111384 |
| 3.903 | | 35413 | 20793 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.922 | | 5906 | 2667 |
| 3.943 | | 37853 | 26721 |
| 3.977 | | 144693 | 99088 |
| 4.011 | | 5686 | 3198 |
| 4.025 | | 11108 | 7953 |
| 4.078 | | 9955 | 9032 |
| 4.12 | | 11768 | 11582 |
| 4.155 | | 2817 | 3589 |
| 4.177 | | 36239 | 26801 |
| 4.219 | | 42101 | 24260 |
| 4.238 | | 24878 | 13988 |
| 4.25 | | 102514 | 56345 |
| 4.277 | | 57198 | 57717 |
| 4.328 | | 314769 | 241567 |
| 4.375 | | 4646 | 3115 |
| 4.397 | | 28279 | 18208 |
| 4.421 | | 73312 | 54925 |
| 4.464 | | 370093 | 295890 |
| 4.566 | | 280365 | 278297 |
| 4.618 | | 36940 | 28974 |
| 4.656 | | 85324 | 71454 |
| 4.692 | | 334792 | 281358 |
| 4.725 | | 189417 | 132132 |
| 4.763 | | 127575 | 100473 |
| 4.837 | | 1032 | 1087 |
| 4.862 | | 36485 | 26115 |
| 4.878 | | 3848 | 2107 |
| 4.913 | | 226575 | 179493 |
| 4.937 | | 29716 | 19271 |
| 4.986 | | 116113 | 102570 |
| 5.021 | | 59440 | 47858 |
| 5.051 | | 45511 | 37653 |
| 5.084 | | 18178 | 10879 |
| 5.106 | | 516389 | 431535 |
| 5.147 | | 11318 | 8039 |
| 5.177 | | 20882 | 16327 |
| 5.261 | | 3781 | 6140 |
| 5.298 | | 6420 | 5530 |
| 5.32 | | 119593 | 97969 |
| 5.365 | | 370988 | 399388 |
| 5.456 | | 835 | 340 |
| 5.486 | | 1160 | 1186 |
| 5.52 | | 15174 | 16017 |
| 5.565 | | 10777 | 7679 |
| 5.587 | | 11342 | 9181 |
| 5.635 | | 79199 | 68345 |
| 5.695 | | 1022 | 2273 |
| 5.742 | | 197590 | 161746 |
| 5.773 | | 11924 | 11237 |
| 5.848 | | 1352 | 2910 |
| 5.872 | | 980 | 955 |
| 5.884 | | 771 | 283 |
| 5.94 | | 61452 | 52207 |
| 6.004 | | 6270 | 7919 |
| 6.098 | DCB | 806745 | 690715 |
| 6.161 | | 3785 | 6083 |
| 6.215 | | 6564 | 11027 |
| 6.253 | | 1247 | 398 |
| 6.278 | | 1088 | 409 |
| 6.31 | | 3064 | 2604 |
| 6.387 | | 779 | 144 |
| 6.455 | | 1259 | 531 |
| 6.473 | | 1200 | 469 |
| 6.507 | | 1349 | 1052 |
| 6.549 | | 1174 | 771 |
| 6.579 | | 1491 | 518 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.605 | | 655 | 686 |
| 6.641 | | 1115 | 588 |
| 6.696 | | 1066 | 551 |
| 6.757 | | 1686 | 2533 |
| 6.825 | | 761 | 485 |
| 6.868 | | 2345 | 4648 |

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.RAW

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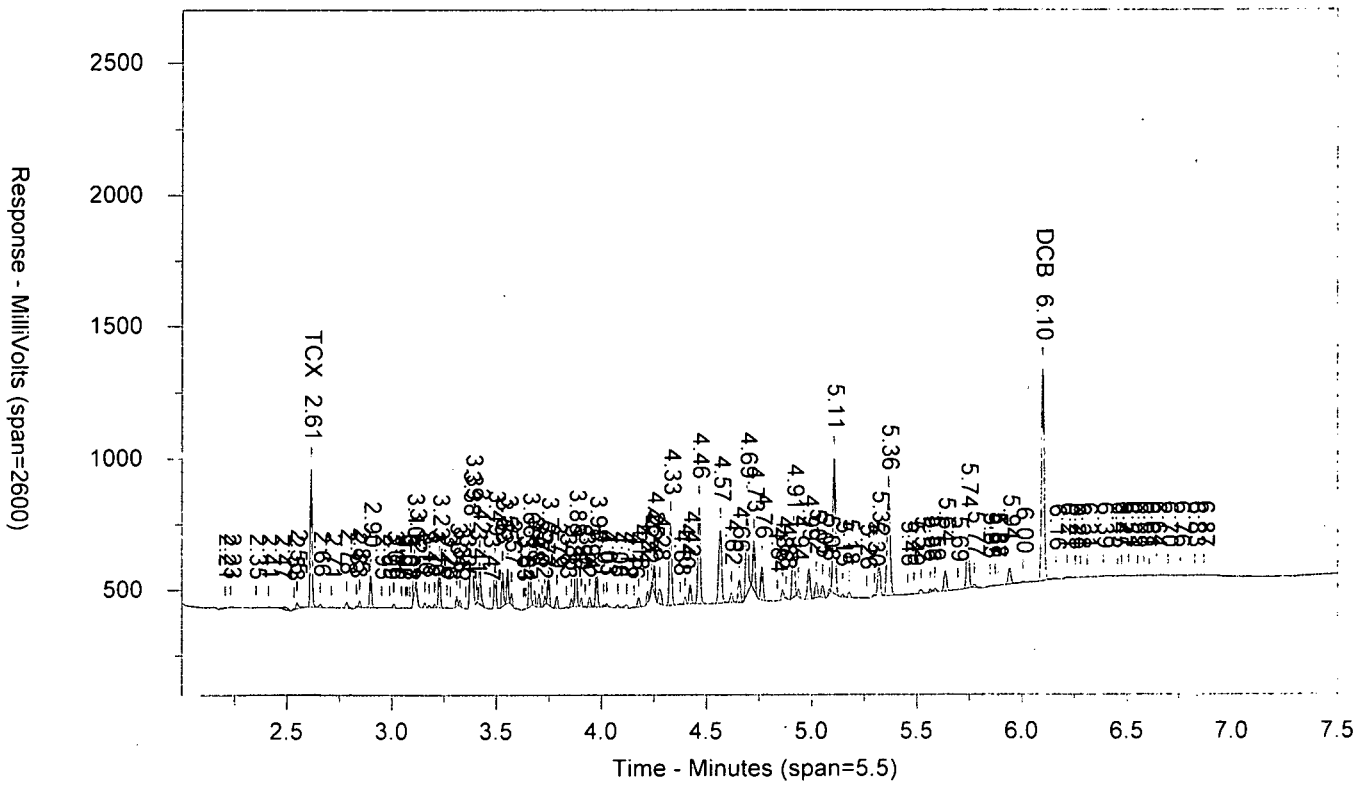


LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

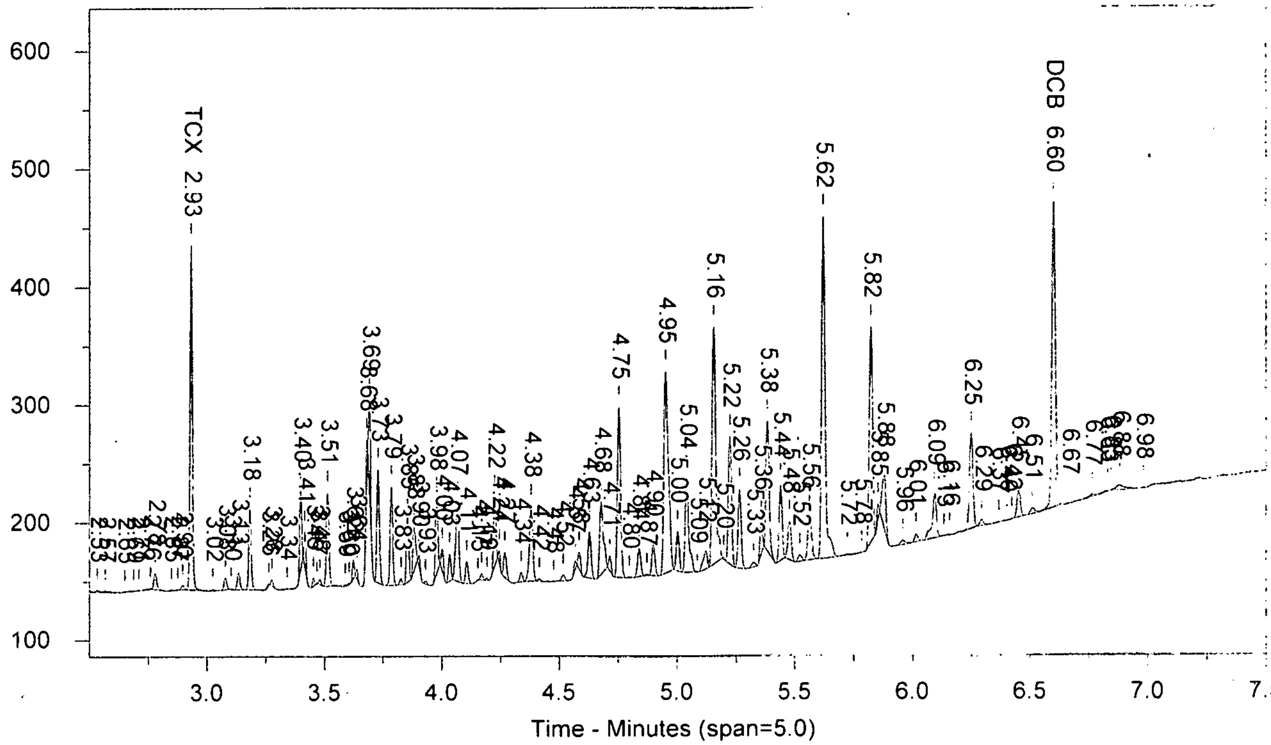
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 293018 | 1.942 | TCX | 2.614 | 527194 | 1.935 | TCX |
| 6.6 | 259827 | 2.696 | DCB | 6.098 | 806745 | 2.665 | DCB |

Files:
Area File: 25PCBs17289001.007.RAW
Area File: 25PCBs17289001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:59:49 PM
File Reported On: 10/16/2017 at 8:00:00 PM

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.RAW

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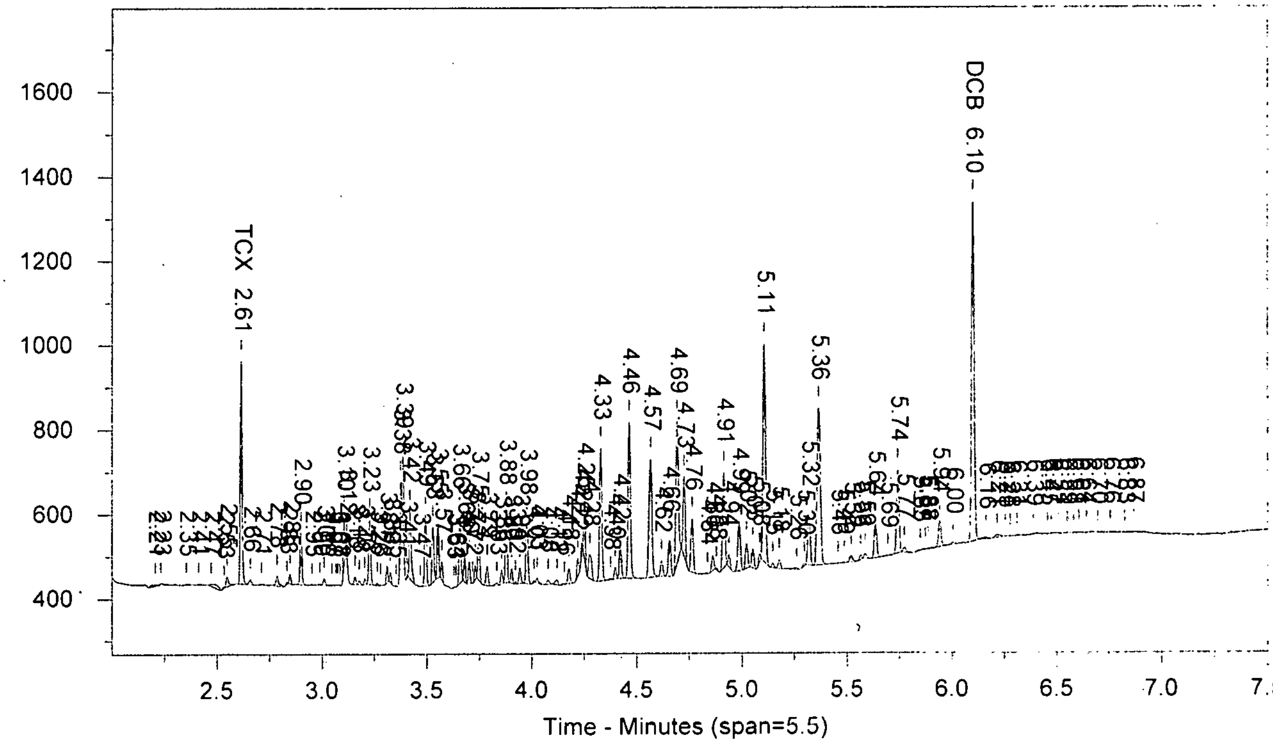

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

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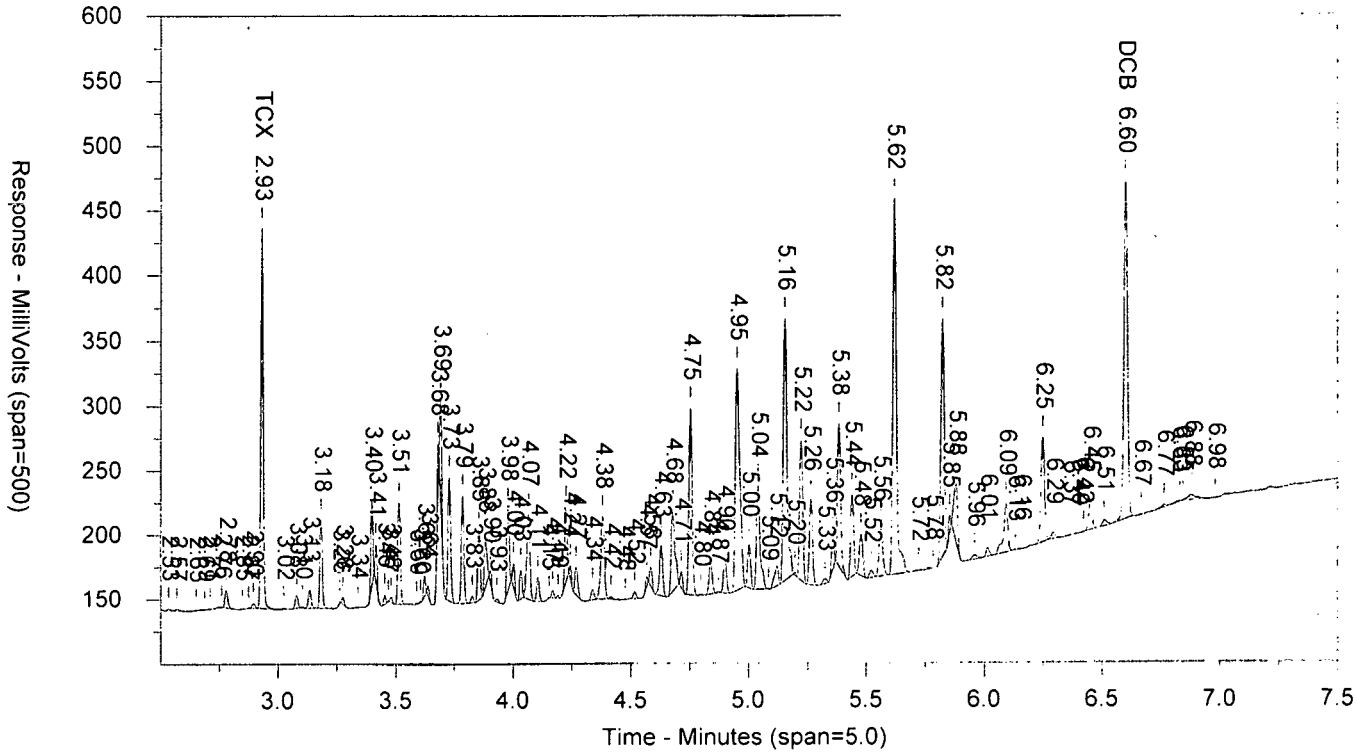


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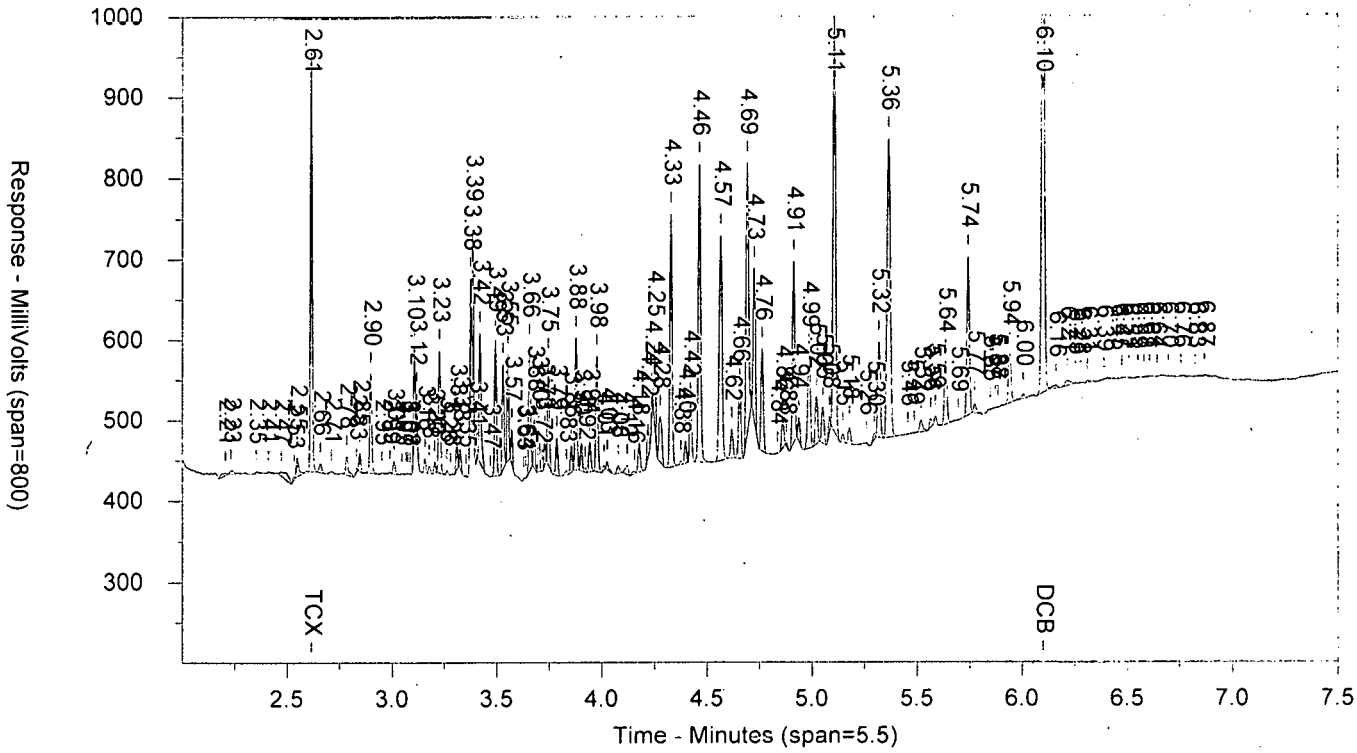


LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 9941 | 10110 |
| 2.083 | | 17717 | 34339 |
| 2.231 | | 2947 | 4202 |
| 2.33 | | 10059 | 7365 |
| 2.367 | | 2640 | 2774 |
| 2.49 | | 7618 | 8566 |
| 2.534 | | 956 | 1031 |
| 2.569 | | 1446 | 1220 |
| 2.59 | | 2759 | 1911 |
| 2.663 | | 553 | 696 |
| 2.692 | | 259 | 237 |
| 2.708 | | 473 | 126 |
| 2.747 | | 944 | 1342 |
| 2.778 | | 36070 | 38293 |
| 2.842 | | 576 | 528 |
| 2.872 | | 465 | 231 |
| 2.895 | | 5409 | 4453 |
| 2.931 | TCX | 538958 | 375424 |
| 3.023 | | 843 | 711 |
| 3.077 | | 18301 | 15781 |
| 3.133 | | 27571 | 22057 |
| 3.18 | | 121766 | 87978 |
| 3.273 | | 15705 | 16903 |
| 3.395 | | 125257 | 73720 |
| 3.412 | | 53935 | 28331 |
| 3.449 | | 13481 | 7793 |
| 3.465 | | 1241 | 440 |
| 3.476 | | 7799 | 4144 |
| 3.509 | | 151417 | 115166 |
| 3.565 | | 1239 | 736 |
| 3.585 | | 2691 | 1473 |
| 3.602 | | 914 | 372 |
| 3.619 | | 30151 | 16957 |
| 3.634 | | 14212 | 7381 |
| 3.677 | | 71410 | 39084 |
| 3.688 | | 133549 | 72350 |
| 3.725 | | 179283 | 136432 |
| 3.781 | | 153449 | 117823 |
| 3.822 | | 10571 | 7595 |
| 3.851 | | 104483 | 77325 |
| 3.878 | | 71082 | 59106 |
| 3.899 | | 16672 | 9141 |
| 3.926 | | 3293 | 2549 |
| 3.973 | | 117592 | 85231 |
| 3.997 | | 39801 | 25426 |
| 4.029 | | 42218 | 30414 |
| 4.062 | | 124620 | 117201 |
| 4.102 | | 35047 | 29148 |
| 4.149 | | 2567 | 1639 |
| 4.164 | | 3613 | 2197 |
| 4.188 | | 5222 | 3338 |
| 4.222 | | 107677 | 78917 |
| 4.239 | | 16463 | 7737 |
| 4.263 | | 36856 | 29637 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.334 | | 16166 | 13245 |
| 4.376 | | 118872 | 119002 |
| 4.41 | | 3630 | 2742 |
| 4.475 | | 842 | 875 |
| 4.513 | | 9867 | 9054 |
| 4.564 | | 12637 | 8122 |
| 4.581 | | 29096 | 20502 |
| 4.625 | | 76442 | 70328 |
| 4.674 | | 117169 | 130654 |
| 4.711 | | 24450 | 16699 |
| 4.749 | | 257489 | 250250 |
| 4.795 | | 1552 | 1368 |
| 4.835 | | 45879 | 45395 |
| 4.867 | | 2433 | 1549 |
| 4.896 | | 49346 | 46483 |
| 4.947 | | 316609 | 415102 |
| 4.999 | | 63551 | 58009 |
| 5.037 | | 149141 | 165974 |
| 5.119 | | 29065 | 34143 |
| 5.152 | | 392912 | 409660 |
| 5.193 | | 4418 | 1953 |
| 5.219 | | 190668 | 186567 |
| 5.262 | | 122283 | 118535 |
| 5.322 | | 4264 | 5041 |
| 5.356 | | 54154 | 42784 |
| 5.381 | | 202440 | 187435 |
| 5.437 | | 117519 | 108140 |
| 5.476 | | 63985 | 65345 |
| 5.519 | | 9738 | 10733 |
| 5.558 | | 72134 | 80576 |
| 5.617 | | 520694 | 569705 |
| 5.743 | | 399 | 1232 |
| 5.82 | | 331234 | 321954 |
| 5.85 | | 20975 | 13594 |
| 5.875 | | 72860 | 86147 |
| 5.954 | | 4980 | 6274 |
| 6.012 | | 11324 | 10920 |
| 6.064 | | 3723 | 3008 |
| 6.091 | | 63127 | 60621 |
| 6.165 | | 418 | 402 |
| 6.203 | | 746 | 1329 |
| 6.245 | | 156234 | 157142 |
| 6.289 | | 9689 | 9206 |
| 6.358 | | 579 | 236 |
| 6.383 | | 703 | 562 |
| 6.447 | | 43522 | 44614 |
| 6.507 | | 5931 | 7666 |
| 6.595 | DCB | 440399 | 488275 |
| 6.656 | | 481 | 411 |
| 6.683 | | 680 | 505 |
| 6.705 | | 494 | 225 |
| 6.76 | | 3240 | 5127 |
| 6.84 | | 720 | 2378 |
| 6.878 | | 4344 | 9971 |
| 6.96 | | 717 | 264 |
| 6.985 | | 469 | 269 |

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

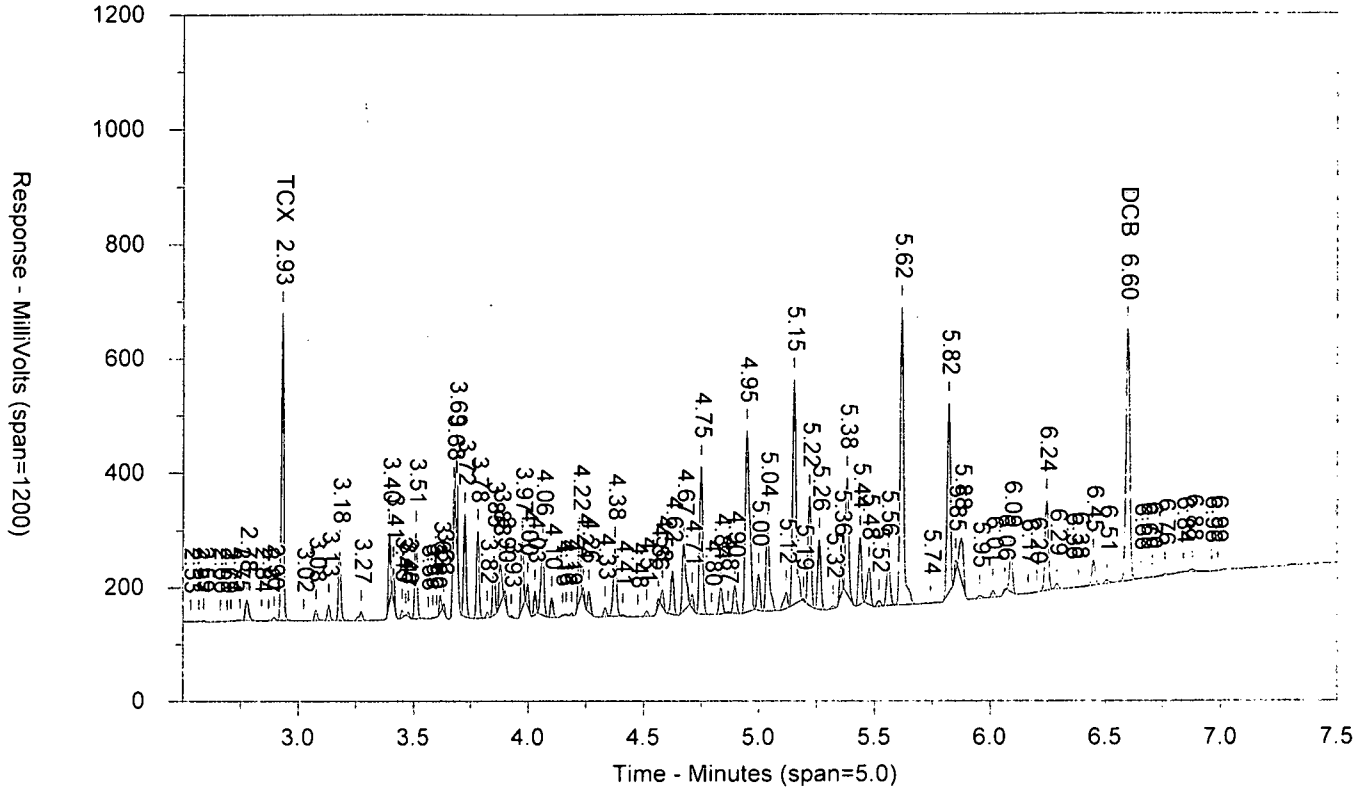
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.113 | | 1676 | 1454 |
| 2.157 | | 9733 | 7613 |
| 2.211 | | 2280 | 7722 |
| 2.234 | | 4073 | 5332 |
| 2.3 | | 3259 | 2443 |
| 2.356 | | 1826 | 1909 |
| 2.412 | | 1741 | 2518 |
| 2.474 | | 6215 | 24474 |
| 2.532 | | 8349 | 5194 |
| 2.548 | | 75742 | 77250 |
| 2.615 | TCX | 942846 | 567711 |
| 2.658 | | 20947 | 14931 |
| 2.714 | | 2351 | 3594 |
| 2.786 | | 44312 | 33229 |
| 2.832 | | 9101 | 4919 |
| 2.846 | | 44025 | 23477 |
| 2.898 | | 221050 | 139576 |
| 2.948 | | 3224 | 1558 |
| 2.989 | | 1682 | 1288 |
| 3.009 | | 29101 | 17047 |
| 3.066 | | 1393 | 715 |
| 3.084 | | 878 | 311 |
| 3.105 | | 183794 | 89268 |
| 3.116 | | 63426 | 25151 |
| 3.157 | | 34927 | 20862 |
| 3.177 | | 15313 | 9316 |
| 3.203 | | 24832 | 13632 |
| 3.227 | | 277920 | 182830 |
| 3.263 | | 9729 | 5646 |
| 3.278 | | 672 | 197 |
| 3.292 | | 1664 | 774 |
| 3.31 | | 75446 | 38789 |
| 3.325 | | 44331 | 20729 |
| 3.351 | | 2975 | 1614 |
| 3.375 | | 143592 | 68983 |
| 3.384 | | 290683 | 129041 |
| 3.404 | | 13991 | 4998 |
| 3.418 | | 288851 | 195538 |
| 3.492 | | 320341 | 198567 |
| 3.527 | | 230690 | 143224 |
| 3.55 | | 246469 | 136545 |
| 3.568 | | 86190 | 42449 |
| 3.631 | | 1973 | 1872 |
| 3.654 | | 286561 | 187746 |
| 3.676 | | 112569 | 61746 |
| 3.697 | | 105166 | 59462 |
| 3.726 | | 64911 | 32786 |
| 3.743 | | 233421 | 142366 |
| 3.784 | | 87892 | 61780 |
| 3.832 | | 11667 | 9669 |
| 3.853 | | 66547 | 39795 |
| 3.875 | | 314960 | 204233 |
| 3.9 | | 67927 | 39461 |
| 3.919 | | 10110 | 4681 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.939 | | 52049 | 35167 |
| 3.974 | | 267602 | 181661 |
| 4.008 | | 10674 | 6033 |
| 4.023 | | 20226 | 12663 |
| 4.075 | | 9204 | 8500 |
| 4.117 | | 20194 | 18394 |
| 4.147 | | 4032 | 3887 |
| 4.174 | | 69040 | 49783 |
| 4.216 | | 79896 | 45280 |
| 4.235 | | 52156 | 27272 |
| 4.248 | | 182209 | 104795 |
| 4.273 | | 111872 | 107593 |
| 4.325 | | 584302 | 443649 |
| 4.374 | | 7818 | 5963 |
| 4.395 | | 53978 | 35083 |
| 4.419 | | 137560 | 101988 |
| 4.461 | | 686715 | 547743 |
| 4.563 | | 522092 | 517124 |
| 4.616 | | 72608 | 57295 |
| 4.654 | | 155817 | 136175 |
| 4.69 | | 619654 | 518749 |
| 4.722 | | 331665 | 241898 |
| 4.761 | | 243699 | 187137 |
| 4.836 | | 896 | 609 |
| 4.859 | | 74735 | 52041 |
| 4.877 | | 9413 | 4383 |
| 4.91 | | 432265 | 335411 |
| 4.934 | | 56877 | 36314 |
| 4.984 | | 217052 | 192506 |
| 5.019 | | 107004 | 89694 |
| 5.049 | | 85566 | 69210 |
| 5.082 | | 30164 | 17222 |
| 5.103 | | 991856 | 815275 |
| 5.144 | | 21379 | 15209 |
| 5.176 | | 41026 | 31817 |
| 5.22 | | 936 | 419 |
| 5.248 | | 3182 | 4518 |
| 5.294 | | 12988 | 8957 |
| 5.318 | | 226670 | 184771 |
| 5.363 | | 712118 | 764827 |
| 5.457 | | 1061 | 574 |
| 5.483 | | 1191 | 667 |
| 5.517 | | 26741 | 26036 |
| 5.563 | | 23111 | 15148 |
| 5.584 | | 18615 | 13796 |
| 5.634 | | 145742 | 124931 |
| 5.679 | | 1073 | 845 |
| 5.74 | | 355813 | 301845 |
| 5.771 | | 23557 | 16936 |
| 5.848 | | 1315 | 3910 |
| 5.867 | | 1245 | 618 |
| 5.904 | | 1526 | 693 |
| 5.939 | | 120346 | 99148 |
| 5.976 | | 1872 | 1035 |
| 6.004 | | 4375 | 3950 |
| 6.046 | | 2053 | 2071 |
| 6.097 | DCB | 1437204 | 1251953 |
| 6.142 | | 1045 | 512 |
| 6.156 | | 2033 | 1825 |
| 6.222 | | 6196 | 13046 |
| 6.282 | | 2246 | 2458 |
| 6.308 | | 3178 | 3054 |
| 6.362 | | 1709 | 2141 |
| 6.415 | | 1230 | 2260 |
| 6.477 | | 1203 | 979 |
| 6.505 | | 1415 | 972 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.545 | | 2660 | 2619 |
| 6.624 | | 1307 | 1914 |
| 6.648 | | 2185 | 3760 |
| 6.711 | | 1448 | 1990 |
| 6.76 | | 1464 | 878 |
| 6.795 | | 955 | 362 |
| 6.866 | | 2455 | 5658 |

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.RAW

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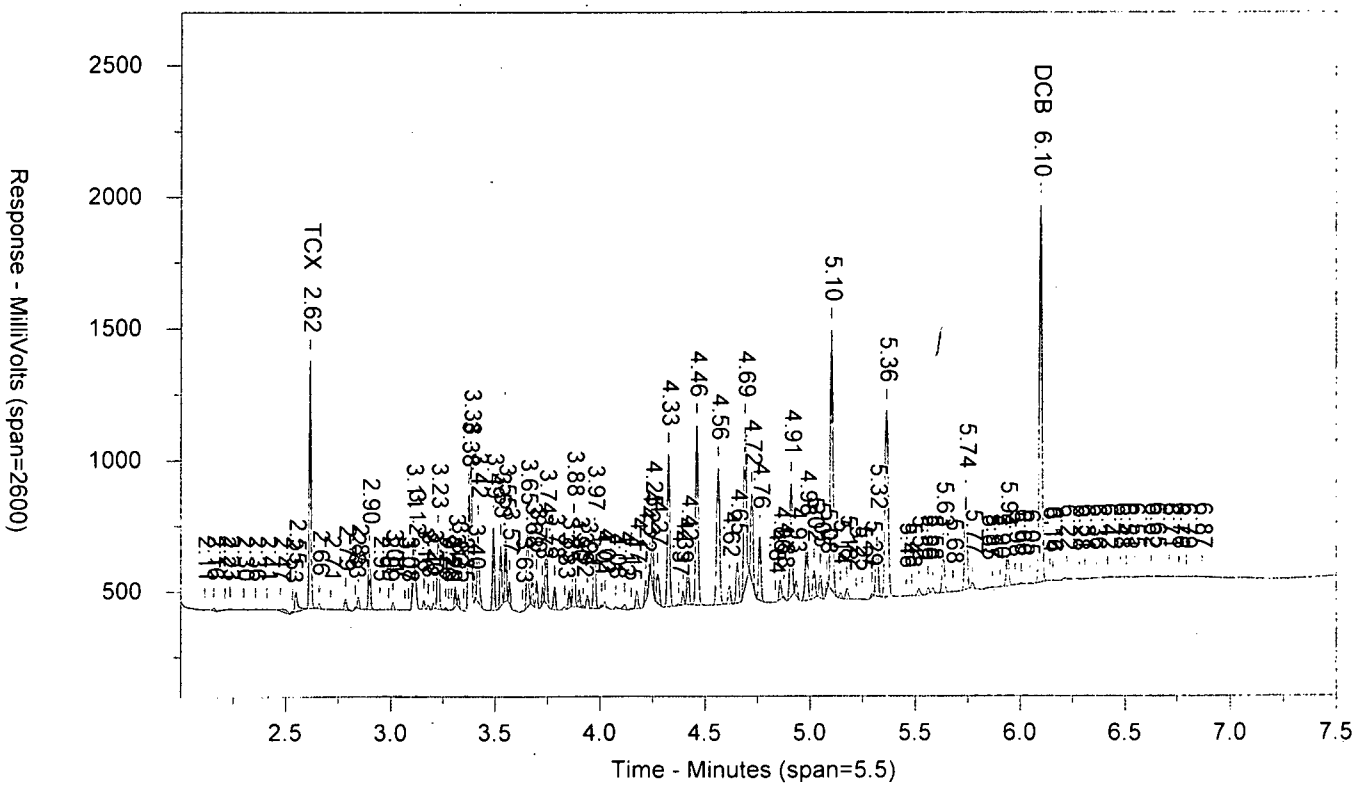


LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

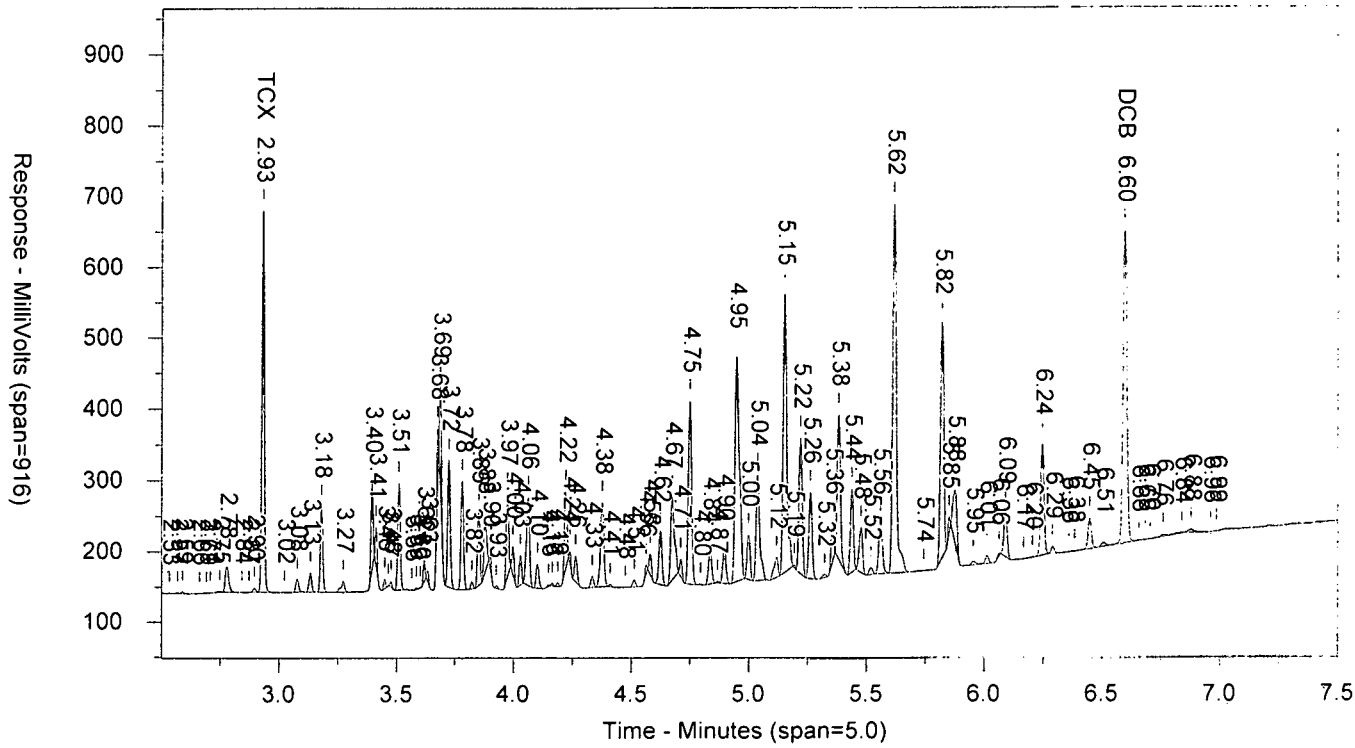
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 538958 | 3.586 | TCX | 2.615 | 942846 | 3.461 | TCX |
| 6.595 | 440399 | 4.403 | DCB | 6.097 | 1437204 | 4.519 | DCB |

Files:
Area File: 25PCBs17289001.008.RAW
Area File: 25PCBs17289001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:11:05 PM
File Reported On: 10/16/2017 at 8:11:18 PM

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.RAW

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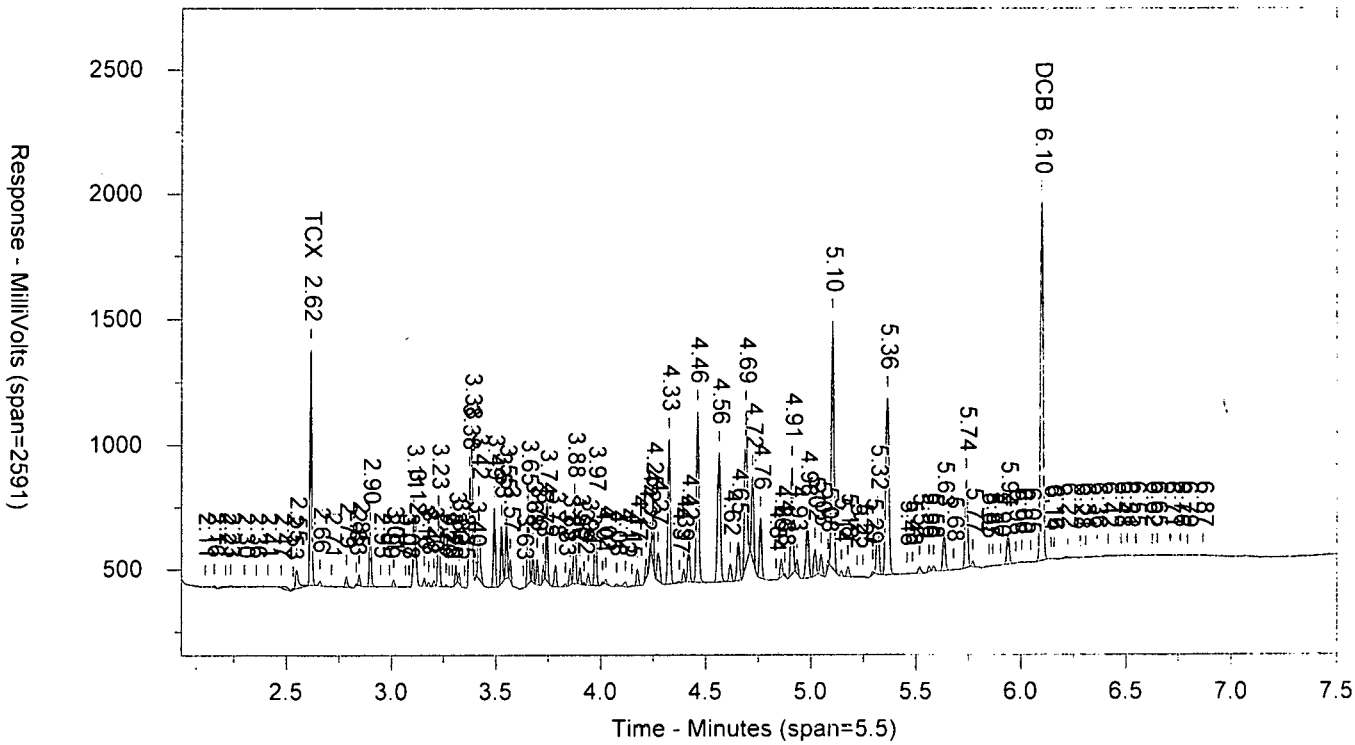

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

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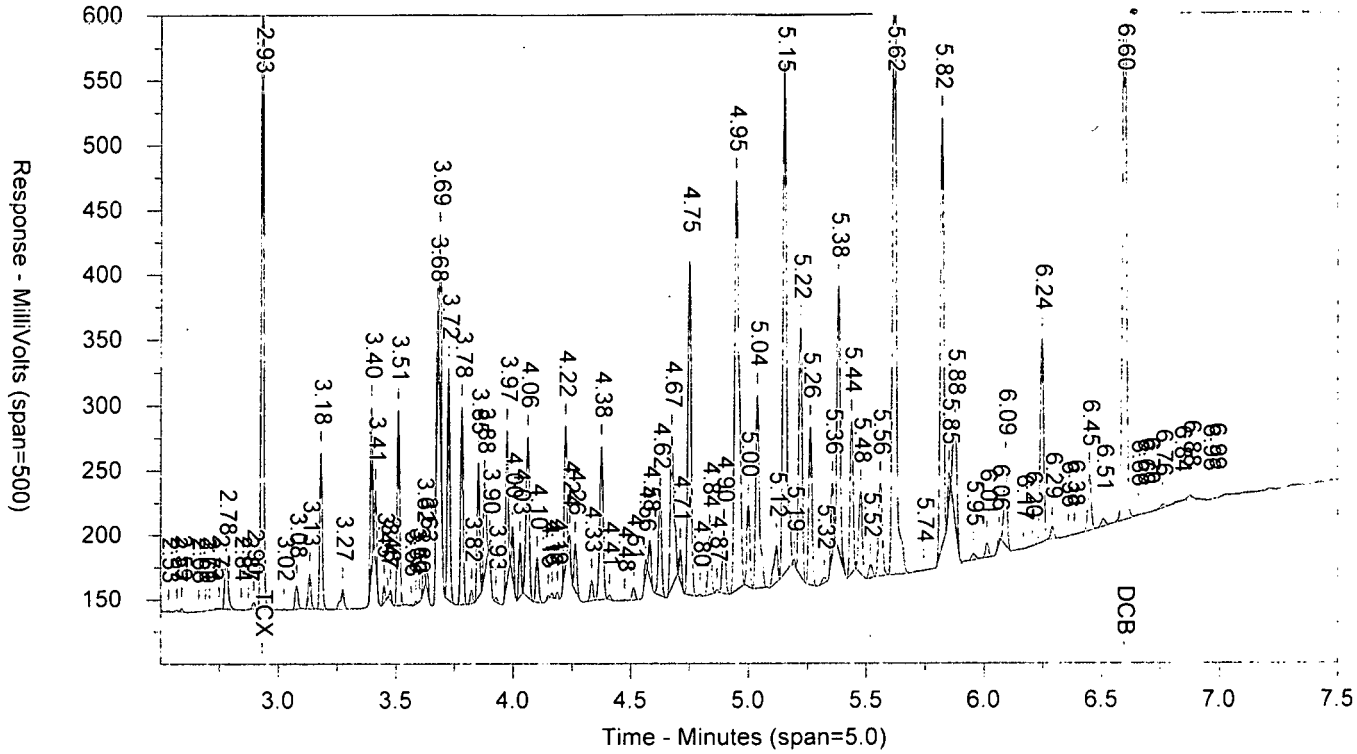


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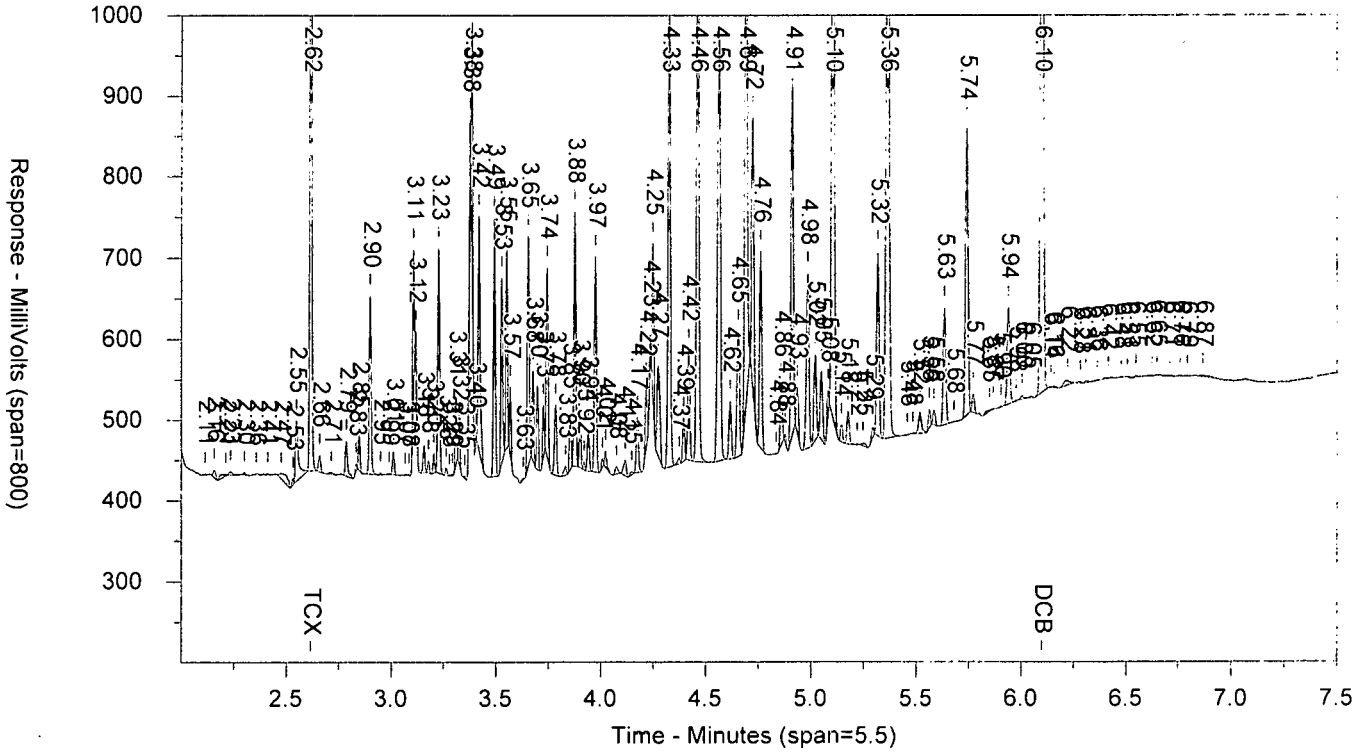


LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.015 | | 453 | 192 |
| 2.036 | | 7762 | 7510 |
| 2.085 | | 6699 | 11598 |
| 2.231 | | 13358 | 9192 |
| 2.33 | | 17822 | 15365 |
| 2.366 | | 2286 | 2281 |
| 2.46 | | 276 | 81 |
| 2.489 | | 5976 | 6960 |
| 2.533 | | 1587 | 1546 |
| 2.568 | | 3013 | 2248 |
| 2.646 | | 745 | 589 |
| 2.71 | | 667 | 625 |
| 2.743 | | 441 | 531 |
| 2.778 | | 10940 | 9513 |
| 2.842 | | 542 | 494 |
| 2.877 | | 438 | 215 |
| 2.896 | | 4123 | 3345 |
| 2.93 | TCX | 2973586 | 2034473 |
| 3.028 | | 1137 | 758 |
| 3.077 | | 38451 | 33937 |
| 3.132 | | 67996 | 60858 |
| 3.18 | | 244934 | 177042 |
| 3.258 | | 5033 | 2665 |
| 3.274 | | 25443 | 16014 |
| 3.319 | | 766 | 675 |
| 3.396 | | 234864 | 143858 |
| 3.412 | | 109392 | 58105 |
| 3.449 | | 27596 | 15984 |
| 3.465 | | 2113 | 801 |
| 3.476 | | 16178 | 8590 |
| 3.51 | | 291792 | 231632 |
| 3.545 | | 1174 | 647 |
| 3.566 | | 7071 | 4056 |
| 3.584 | | 6665 | 3858 |
| 3.619 | | 66522 | 37245 |
| 3.634 | | 30591 | 15434 |
| 3.677 | | 140514 | 77127 |
| 3.688 | | 298311 | 155920 |
| 3.724 | | 364951 | 276103 |
| 3.781 | | 313699 | 241486 |
| 3.823 | | 21857 | 16209 |
| 3.851 | | 199869 | 153827 |
| 3.878 | | 145680 | 118921 |
| 3.899 | | 39251 | 21494 |
| 3.926 | | 1998 | 1284 |
| 3.973 | | 229846 | 167901 |
| 3.997 | | 81839 | 51442 |
| 4.029 | | 89636 | 63509 |
| 4.062 | | 249560 | 238184 |
| 4.102 | | 76687 | 62481 |
| 4.148 | | 7214 | 4753 |
| 4.164 | | 2322 | 1135 |
| 4.187 | | 12269 | 8839 |
| 4.221 | | 208979 | 153716 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.238 | | 32382 | 17268 |
| 4.263 | | 67955 | 54217 |
| 4.334 | | 32204 | 28299 |
| 4.376 | | 234362 | 235269 |
| 4.409 | | 6395 | 4691 |
| 4.472 | | 1914 | 1421 |
| 4.513 | | 19923 | 18552 |
| 4.564 | | 27475 | 18052 |
| 4.58 | | 60335 | 43104 |
| 4.624 | | 152571 | 141861 |
| 4.674 | | 224706 | 258874 |
| 4.71 | | 47277 | 33318 |
| 4.749 | | 521511 | 494709 |
| 4.793 | | 2770 | 2147 |
| 4.835 | | 93002 | 93883 |
| 4.868 | | 6071 | 3940 |
| 4.896 | | 101790 | 94948 |
| 4.948 | | 620614 | 812375 |
| 4.999 | | 131140 | 118980 |
| 5.038 | | 290700 | 333769 |
| 5.08 | | 1935 | 903 |
| 5.118 | | 64056 | 74956 |
| 5.151 | | 770859 | 815487 |
| 5.193 | | 7898 | 3606 |
| 5.219 | | 378034 | 360385 |
| 5.261 | | 232103 | 233256 |
| 5.326 | | 1941 | 2530 |
| 5.355 | | 106455 | 86267 |
| 5.381 | | 389354 | 365807 |
| 5.437 | | 215647 | 209287 |
| 5.475 | | 127552 | 130578 |
| 5.518 | | 21752 | 23249 |
| 5.559 | | 137922 | 161921 |
| 5.616 | | 1064861 | 1135889 |
| 5.711 | | 1285 | 1502 |
| 5.751 | | 424 | 329 |
| 5.769 | | 417 | 213 |
| 5.82 | | 640854 | 627926 |
| 5.85 | | 39491 | 25822 |
| 5.876 | | 144507 | 172154 |
| 5.954 | | 3533 | 4473 |
| 6.012 | | 36758 | 36573 |
| 6.09 | | 135947 | 187567 |
| 6.143 | | 876 | 492 |
| 6.176 | | 541 | 450 |
| 6.213 | | 106 | 834 |
| 6.246 | | 294982 | 298926 |
| 6.291 | | 19130 | 18437 |
| 6.324 | | 485 | 212 |
| 6.345 | | 617 | 376 |
| 6.378 | | 994 | 1014 |
| 6.421 | | 388 | 392 |
| 6.448 | | 94089 | 97301 |
| 6.507 | | 4582 | 6203 |
| 6.596 | DCB | 2261102 | 2283119 |
| 6.657 | | 842 | 621 |
| 6.708 | | 638 | 164 |
| 6.733 | | 539 | 685 |
| 6.763 | | 2294 | 3395 |
| 6.876 | | 5188 | 17560 |
| 6.978 | | 675 | 225 |

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

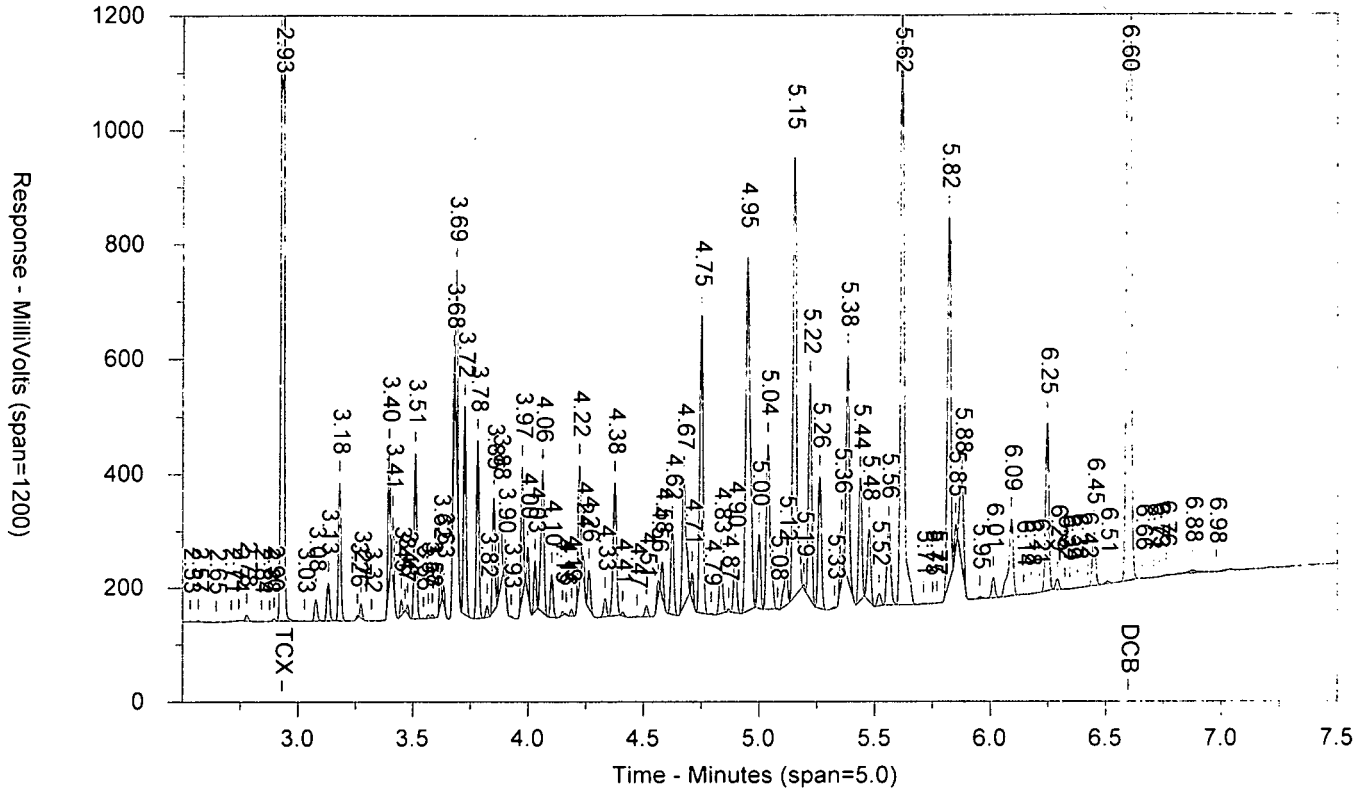
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 9464 | 5832 |
| 2.158 | | 5074 | 5015 |
| 2.189 | | 3373 | 2731 |
| 2.207 | | 3281 | 2368 |
| 2.237 | | 4254 | 5575 |
| 2.3 | | 5410 | 4182 |
| 2.359 | | 2441 | 2379 |
| 2.41 | | 3107 | 3199 |
| 2.468 | | 1420 | 1032 |
| 2.535 | | 4436 | 5445 |
| 2.548 | | 19121 | 16357 |
| 2.615 | TCX | 5345393 | 3091599 |
| 2.658 | | 40199 | 28756 |
| 2.757 | | 1209 | 658 |
| 2.785 | | 87149 | 60896 |
| 2.833 | | 53765 | 25616 |
| 2.847 | | 80477 | 39949 |
| 2.898 | | 443389 | 274222 |
| 2.948 | | 14251 | 8108 |
| 3.009 | | 60071 | 37377 |
| 3.048 | | 1229 | 770 |
| 3.071 | | 1075 | 596 |
| 3.105 | | 364288 | 178110 |
| 3.116 | | 123340 | 48297 |
| 3.156 | | 71905 | 42879 |
| 3.178 | | 30933 | 18303 |
| 3.203 | | 51739 | 28160 |
| 3.227 | | 549056 | 364225 |
| 3.263 | | 20236 | 11856 |
| 3.291 | | 16097 | 7744 |
| 3.31 | | 152848 | 79141 |
| 3.325 | | 90644 | 42629 |
| 3.351 | | 4356 | 2441 |
| 3.375 | | 339918 | 155948 |
| 3.384 | | 574942 | 247807 |
| 3.404 | | 26273 | 8939 |
| 3.418 | | 592781 | 393455 |
| 3.492 | | 642644 | 399548 |
| 3.527 | | 448831 | 278311 |
| 3.55 | | 478312 | 266106 |
| 3.568 | | 156216 | 82303 |
| 3.629 | | 1221 | 893 |
| 3.653 | | 566247 | 372838 |
| 3.676 | | 225826 | 121682 |
| 3.697 | | 213060 | 123648 |
| 3.726 | | 133492 | 66077 |
| 3.743 | | 462108 | 284843 |
| 3.783 | | 173287 | 125064 |
| 3.831 | | 23899 | 19736 |
| 3.853 | | 131454 | 79319 |
| 3.875 | | 624767 | 406916 |
| 3.9 | | 136319 | 80810 |
| 3.919 | | 21635 | 10057 |
| 3.939 | | 93926 | 58823 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.973 | | 511447 | 362381 |
| 4.008 | | 21487 | 12300 |
| 4.023 | | 39370 | 24770 |
| 4.074 | | 10152 | 10563 |
| 4.117 | | 38699 | 33403 |
| 4.148 | | 3836 | 3882 |
| 4.174 | | 138993 | 99769 |
| 4.216 | | 149486 | 89679 |
| 4.234 | | 122750 | 58232 |
| 4.247 | | 351379 | 198073 |
| 4.273 | | 216912 | 214220 |
| 4.325 | | 1154854 | 895919 |
| 4.373 | | 15939 | 12065 |
| 4.395 | | 109334 | 71663 |
| 4.419 | | 269964 | 196075 |
| 4.461 | | 1414225 | 1093632 |
| 4.563 | | 1066682 | 1046595 |
| 4.616 | | 140955 | 117716 |
| 4.654 | | 322724 | 273981 |
| 4.69 | | 1276967 | 1076181 |
| 4.722 | | 700823 | 481287 |
| 4.76 | | 485891 | 377226 |
| 4.833 | | 2397 | 2283 |
| 4.859 | | 145604 | 103478 |
| 4.877 | | 20573 | 9916 |
| 4.909 | | 874171 | 680549 |
| 4.934 | | 106250 | 70335 |
| 4.983 | | 429244 | 393785 |
| 5.019 | | 226063 | 180563 |
| 5.049 | | 179600 | 142903 |
| 5.082 | | 63943 | 37292 |
| 5.103 | | 2132908 | 1688956 |
| 5.144 | | 43887 | 33191 |
| 5.175 | | 88748 | 73990 |
| 5.254 | | 2939 | 2546 |
| 5.294 | | 25603 | 16600 |
| 5.317 | | 472879 | 369935 |
| 5.362 | | 1497503 | 1565926 |
| 5.459 | | 1587 | 781 |
| 5.517 | | 76507 | 66506 |
| 5.562 | | 41387 | 28921 |
| 5.585 | | 60634 | 45929 |
| 5.634 | | 291282 | 251289 |
| 5.697 | | 899 | 1353 |
| 5.74 | | 717697 | 602672 |
| 5.772 | | 44482 | 33143 |
| 5.839 | | 2786 | 4035 |
| 5.866 | | 1176 | 831 |
| 5.895 | | 1885 | 1614 |
| 5.913 | | 1524 | 634 |
| 5.938 | | 273191 | 222405 |
| 5.969 | | 2223 | 1585 |
| 6.002 | | 4213 | 4211 |
| 6.057 | | 1453 | 1224 |
| 6.096 | DCB | 7235337 | 5935705 |
| 6.21 | | 5879 | 7892 |
| 6.274 | | 3183 | 3302 |
| 6.31 | | 2539 | 2998 |
| 6.403 | | 1052 | 1243 |
| 6.434 | | 1881 | 1763 |
| 6.462 | | 1617 | 544 |
| 6.497 | | 2194 | 3963 |
| 6.547 | | 6860 | 5615 |
| 6.632 | | 1440 | 2704 |
| 6.657 | | 2056 | 3020 |
| 6.721 | | 2530 | 3341 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.808 | | 1247 | 696 |
| 6.828 | | 1429 | 1159 |
| 6.863 | | 1343 | 876 |
| 6.888 | | 1142 | 392 |
| 6.966 | | 1002 | 753 |

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.009.RAW

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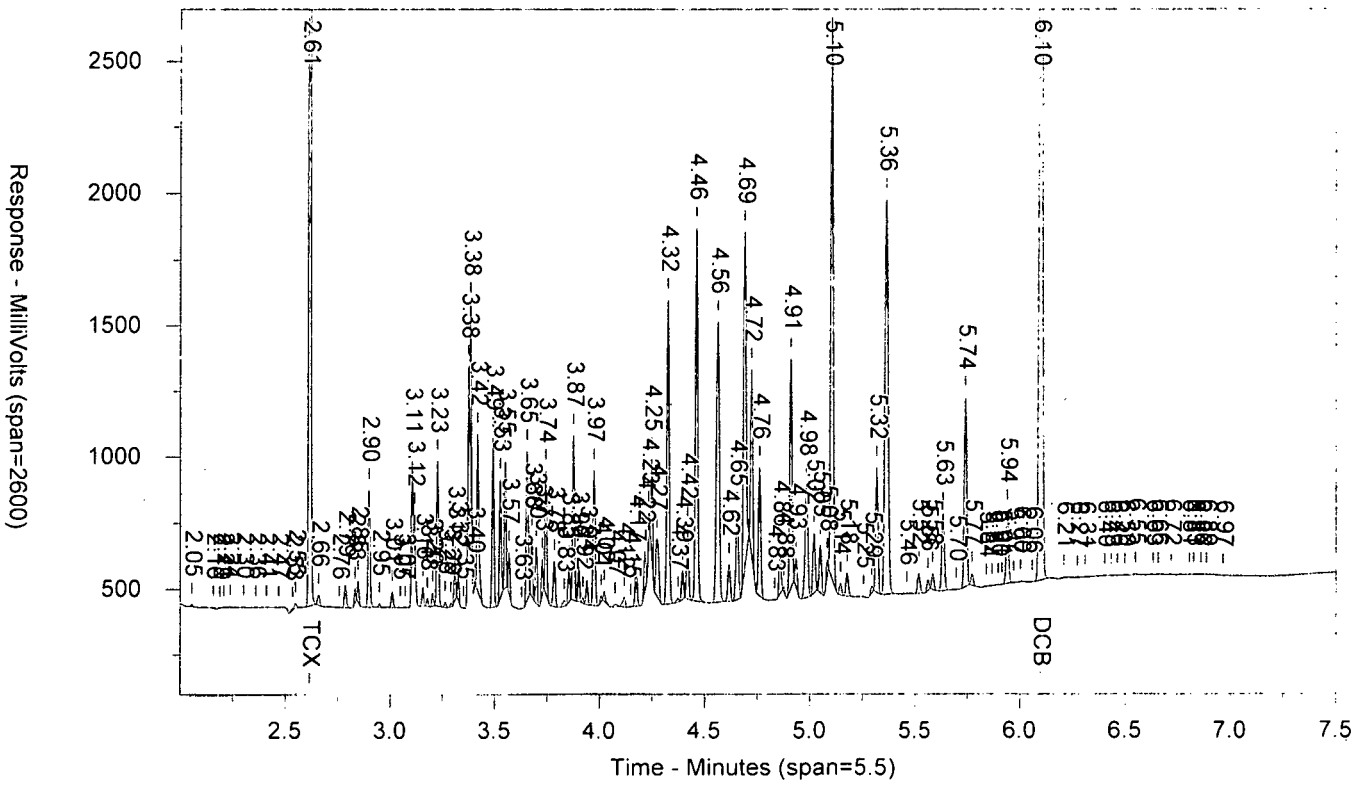

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 2973586 | 20.087 | TCX | 2.615 | 5345393 | 19.984 | TCX |
| 6.596 | 2261102 | 22.531 | DCB | 6.096 | 7235337 | 22.506 | DCB |

Files:
Area File: 25PCBs17289001.009.RAW
Area File: 25PCBs17289001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:22:22 PM
File Reported On: 10/16/2017 at 8:22:38 PM

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

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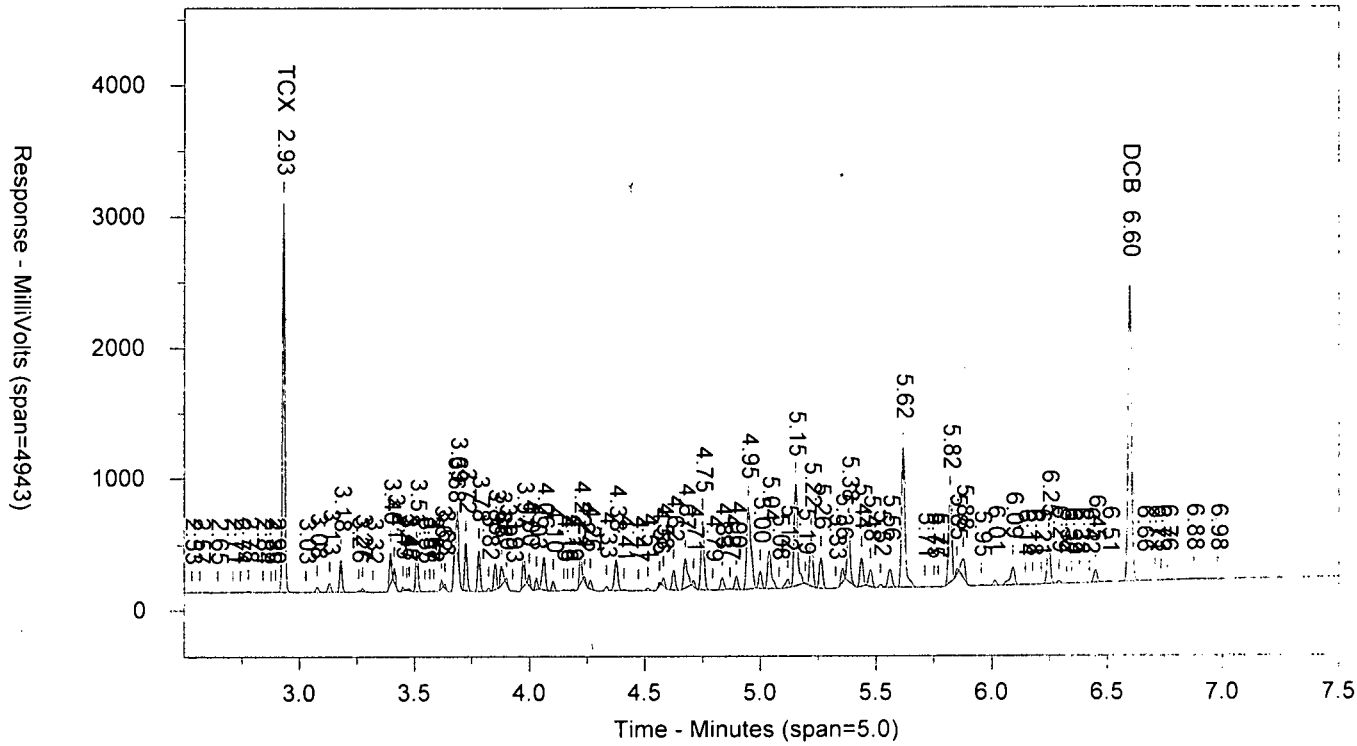


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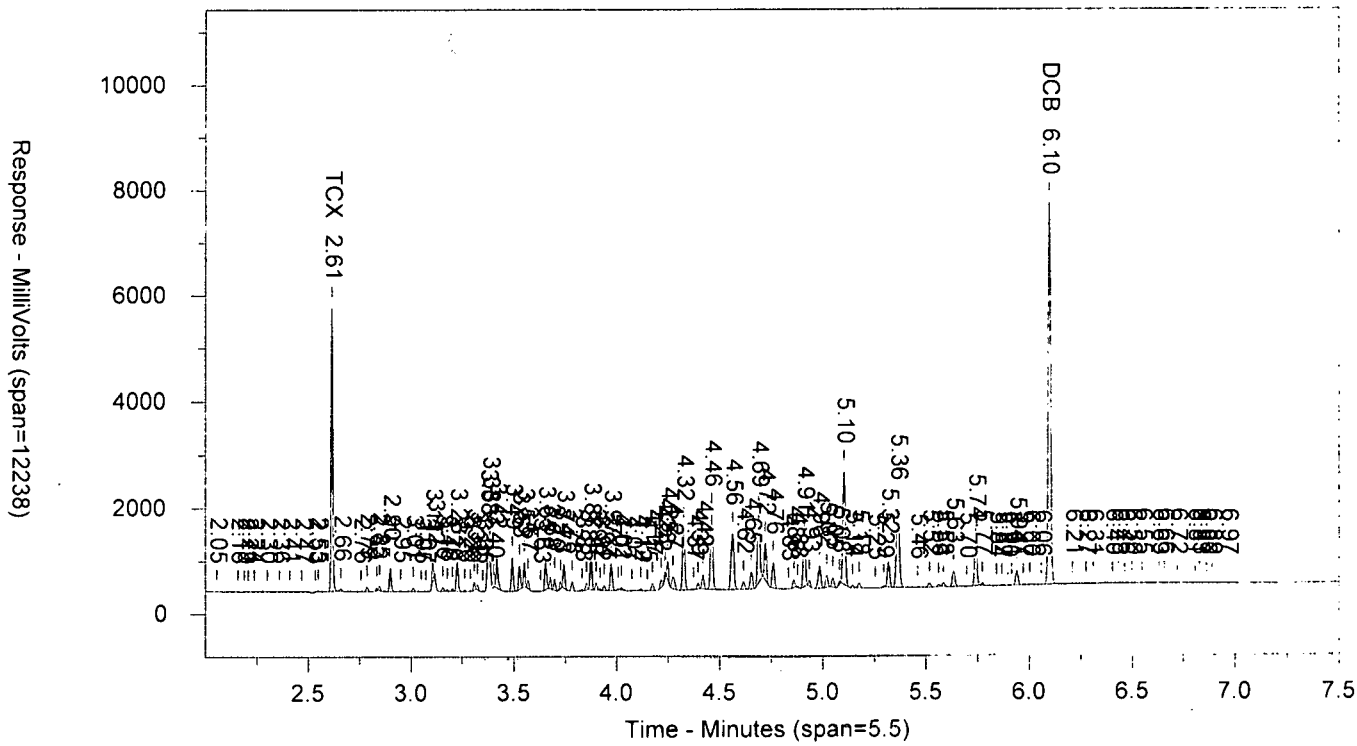

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

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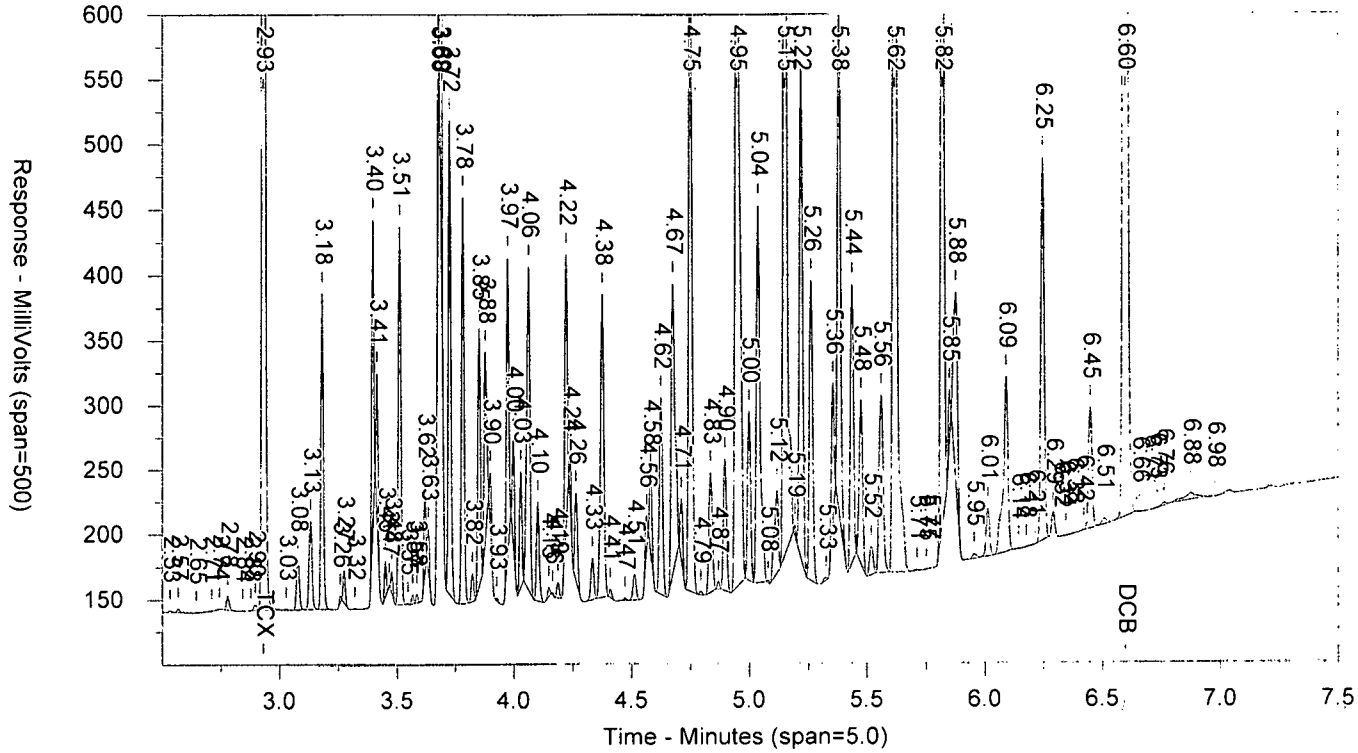


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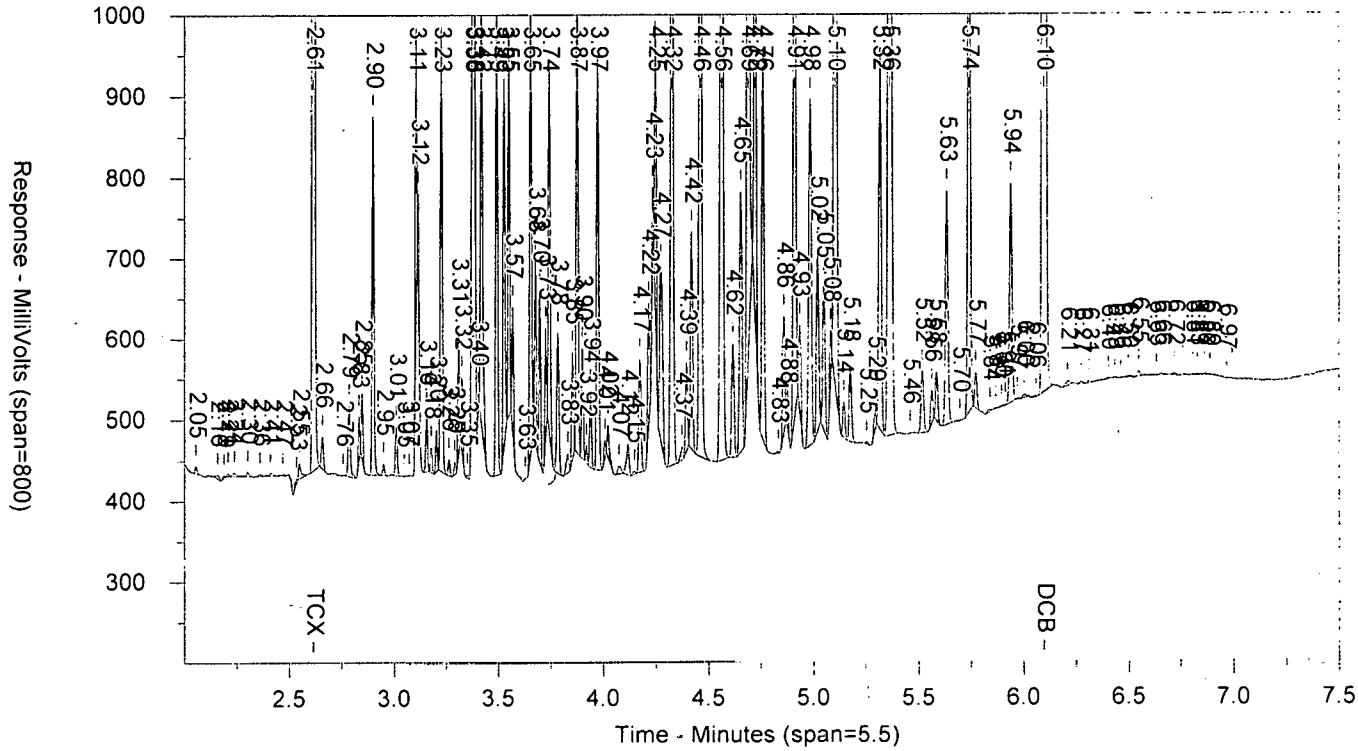


LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.014 | | 396 | 168 |
| 2.035 | | 8278 | 8446 |
| 2.085 | | 8959 | 19185 |
| 2.168 | | 1214 | 1267 |
| 2.231 | | 26104 | 20884 |
| 2.33 | | 76027 | 58599 |
| 2.367 | | 2970 | 3785 |
| 2.434 | | 894 | 783 |
| 2.49 | | 5629 | 5992 |
| 2.533 | | 1753 | 1504 |
| 2.568 | | 5674 | 3983 |
| 2.61 | | 492 | 400 |
| 2.65 | | 1013 | 1053 |
| 2.686 | | 414 | 298 |
| 2.706 | | 420 | 240 |
| 2.737 | | 1836 | 2472 |
| 2.777 | | 9936 | 8650 |
| 2.842 | | 1347 | 1024 |
| 2.895 | | 3848 | 3340 |
| 2.93 | TCX | 5997971 | 4188067 |
| 3.026 | | 1930 | 1525 |
| 3.047 | | 632 | 320 |
| 3.076 | | 78980 | 68197 |
| 3.131 | | 131489 | 121629 |
| 3.18 | | 476010 | 348987 |
| 3.257 | | 9208 | 4568 |
| 3.273 | | 54655 | 34149 |
| 3.313 | | 1353 | 990 |
| 3.361 | | 744 | 489 |
| 3.394 | | 465689 | 286022 |
| 3.411 | | 217187 | 116027 |
| 3.448 | | 57099 | 33062 |
| 3.464 | | 4198 | 1662 |
| 3.475 | | 33221 | 17929 |
| 3.509 | | 570065 | 461804 |
| 3.547 | | 2648 | 1395 |
| 3.566 | | 13745 | 8017 |
| 3.584 | | 16113 | 9497 |
| 3.618 | | 126911 | 73591 |
| 3.633 | | 67095 | 32401 |
| 3.676 | | 244176 | 139333 |
| 3.687 | | 640290 | 331288 |
| 3.724 | | 699688 | 552176 |
| 3.781 | | 637324 | 488118 |
| 3.822 | | 47758 | 33451 |
| 3.851 | | 406492 | 299209 |
| 3.877 | | 269276 | 223135 |
| 3.899 | | 71451 | 39315 |
| 3.973 | | 448050 | 332966 |
| 3.997 | | 149821 | 99884 |
| 4.028 | | 170698 | 125764 |
| 4.061 | | 506923 | 474520 |
| 4.101 | | 150013 | 125573 |
| 4.147 | | 21283 | 20715 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.187 | | 26812 | 19598 |
| 4.221 | | 395138 | 306857 |
| 4.238 | | 71439 | 37695 |
| 4.263 | | 131827 | 103324 |
| 4.333 | | 69706 | 58741 |
| 4.376 | | 445605 | 459137 |
| 4.41 | | 14090 | 9623 |
| 4.471 | | 4201 | 3548 |
| 4.513 | | 41174 | 38923 |
| 4.564 | | 55835 | 37441 |
| 4.58 | | 108024 | 79504 |
| 4.624 | | 302887 | 277706 |
| 4.673 | | 435041 | 500797 |
| 4.71 | | 92158 | 67331 |
| 4.749 | | 1028976 | 975422 |
| 4.794 | | 5912 | 4726 |
| 4.834 | | 173664 | 187219 |
| 4.869 | | 11550 | 7304 |
| 4.896 | | 193489 | 183334 |
| 4.947 | | 1270567 | 1594706 |
| 4.997 | | 241420 | 231856 |
| 5.037 | | 582435 | 665937 |
| 5.079 | | 3342 | 1431 |
| 5.117 | | 122651 | 150335 |
| 5.152 | | 1585885 | 1640176 |
| 5.193 | | 15827 | 6519 |
| 5.219 | | 739742 | 703635 |
| 5.26 | | 450499 | 459998 |
| 5.355 | | 209997 | 166314 |
| 5.38 | | 793625 | 724347 |
| 5.437 | | 432713 | 404017 |
| 5.475 | | 243826 | 251141 |
| 5.517 | | 46064 | 50164 |
| 5.558 | | 283920 | 322658 |
| 5.616 | | 2163371 | 2321958 |
| 5.705 | | 2142 | 2884 |
| 5.764 | | 955 | 1040 |
| 5.821 | | 1263615 | 1265357 |
| 5.85 | | 91114 | 56456 |
| 5.876 | | 297074 | 329118 |
| 5.917 | | 822 | 670 |
| 5.955 | | 3491 | 4190 |
| 6.011 | | 71225 | 71108 |
| 6.089 | | 265089 | 369030 |
| 6.143 | | 340 | 137 |
| 6.163 | | 669 | 592 |
| 6.196 | | 644 | 918 |
| 6.21 | | 433 | 161 |
| 6.245 | | 590112 | 590463 |
| 6.289 | | 40955 | 38298 |
| 6.323 | | 540 | 164 |
| 6.377 | | 1591 | 2375 |
| 6.416 | | 897 | 655 |
| 6.446 | | 185138 | 190586 |
| 6.505 | | 4523 | 5755 |
| 6.594 | DCB | 4488864 | 4680252 |
| 6.651 | | 1231 | 994 |
| 6.702 | | 264 | 169 |
| 6.76 | | 1805 | 2872 |
| 6.808 | | 655 | 190 |
| 6.818 | | 1186 | 649 |
| 6.847 | | 854 | 463 |
| 6.874 | | 2942 | 3898 |
| 6.972 | | 601 | 437 |

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

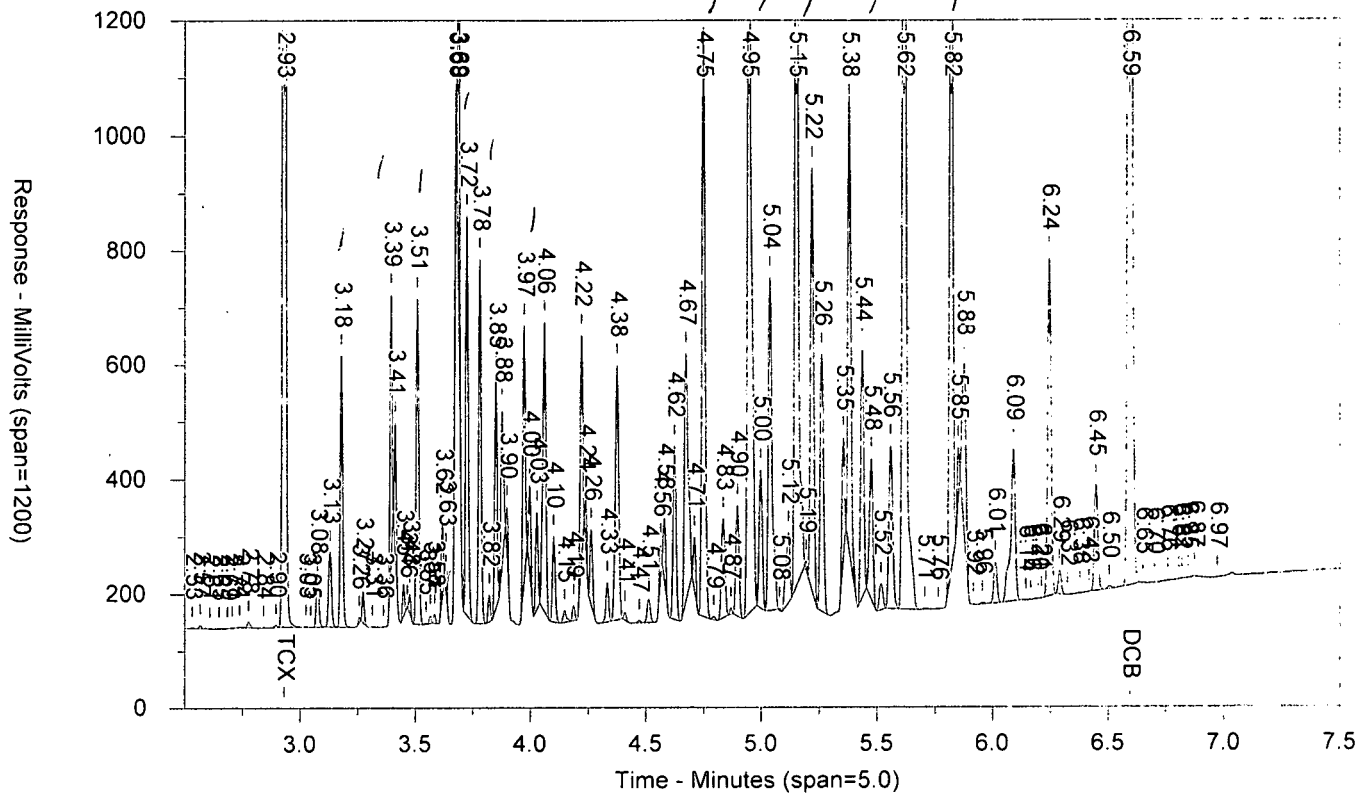
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 20369 | 14823 |
| 2.156 | | 5852 | 6243 |
| 2.191 | | 2141 | 2742 |
| 2.206 | | 4513 | 2722 |
| 2.235 | | 5098 | 6219 |
| 2.268 | | 1880 | 1630 |
| 2.3 | | 11915 | 9157 |
| 2.364 | | 2881 | 3305 |
| 2.394 | | 1522 | 1112 |
| 2.412 | | 3724 | 4511 |
| 2.493 | | 4027 | 2472 |
| 2.516 | | 2446 | 1108 |
| 2.547 | | 15200 | 9555 |
| 2.571 | | 2113 | 847 |
| 2.614 | TCX | 11096730 | 6395057 |
| 2.658 | | 78806 | 54344 |
| 2.702 | | 3072 | 5091 |
| 2.785 | | 170329 | 114315 |
| 2.832 | | 101515 | 47037 |
| 2.845 | | 150845 | 75437 |
| 2.898 | | 871855 | 532957 |
| 2.948 | | 26375 | 15441 |
| 2.982 | | 1335 | 770 |
| 3.009 | | 121143 | 74645 |
| 3.068 | | 1439 | 763 |
| 3.105 | | 734677 | 362102 |
| 3.115 | | 225501 | 86424 |
| 3.156 | | 140765 | 84945 |
| 3.177 | | 66705 | 38238 |
| 3.202 | | 100653 | 55608 |
| 3.226 | | 1085028 | 714253 |
| 3.263 | | 41374 | 23308 |
| 3.291 | | 26640 | 12967 |
| 3.309 | | 286517 | 151291 |
| 3.324 | | 173354 | 84573 |
| 3.352 | | 3579 | 1539 |
| 3.374 | | 627431 | 294267 |
| 3.384 | | 1365788 | 590592 |
| 3.404 | | 54630 | 18702 |
| 3.417 | | 1182346 | 781809 |
| 3.492 | | 1321464 | 804144 |
| 3.526 | | 894687 | 547201 |
| 3.55 | | 930792 | 522290 |
| 3.568 | | 305988 | 157899 |
| 3.624 | | 976 | 269 |
| 3.629 | | 516 | 98 |
| 3.635 | | 400 | 74 |
| 3.653 | | 1149742 | 734616 |
| 3.676 | | 435830 | 234579 |
| 3.696 | | 396921 | 240481 |
| 3.725 | | 261109 | 135039 |
| 3.742 | | 978027 | 575923 |
| 3.783 | | 339910 | 248095 |
| 3.831 | | 47430 | 40001 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.853 | | 271224 | 157123 |
| 3.874 | | 1223993 | 800962 |
| 3.9 | | 266234 | 161785 |
| 3.919 | | 42273 | 20426 |
| 3.938 | | 157807 | 101241 |
| 3.973 | | 1021065 | 707190 |
| 4.008 | | 44547 | 26983 |
| 4.022 | | 75230 | 48819 |
| 4.081 | | 12892 | 14143 |
| 4.117 | | 74559 | 66657 |
| 4.147 | | 5456 | 4660 |
| 4.173 | | 272758 | 196449 |
| 4.216 | | 287468 | 169010 |
| 4.234 | | 247519 | 123989 |
| 4.248 | | 730044 | 412438 |
| 4.273 | | 423709 | 418468 |
| 4.325 | | 2455583 | 1794770 |
| 4.372 | | 35113 | 25950 |
| 4.394 | | 219999 | 145733 |
| 4.419 | | 520077 | 383629 |
| 4.46 | | 2925361 | 2215855 |
| 4.562 | | 2272871 | 2138637 |
| 4.616 | | 289654 | 230774 |
| 4.654 | | 657500 | 542171 |
| 4.689 | | 2772585 | 2249290 |
| 4.722 | | 1416133 | 997140 |
| 4.76 | | 987891 | 758993 |
| 4.829 | | 3015 | 3214 |
| 4.859 | | 290328 | 208601 |
| 4.876 | | 40343 | 21008 |
| 4.91 | | 1745307 | 1402366 |
| 4.933 | | 231622 | 147513 |
| 4.983 | | 871360 | 799329 |
| 5.019 | | 465977 | 362776 |
| 5.049 | | 354509 | 286982 |
| 5.082 | | 118225 | 71631 |
| 5.103 | | 4413765 | 3612945 |
| 5.144 | | 89298 | 66918 |
| 5.175 | | 177239 | 150578 |
| 5.255 | | 3044 | 2426 |
| 5.294 | | 48554 | 30776 |
| 5.317 | | 914085 | 753569 |
| 5.362 | | 3057777 | 3314144 |
| 5.463 | | 2108 | 1221 |
| 5.481 | | 2184 | 1266 |
| 5.517 | | 147432 | 129083 |
| 5.562 | | 84173 | 58865 |
| 5.585 | | 113150 | 87452 |
| 5.633 | | 632930 | 521029 |
| 5.684 | | 1781 | 1200 |
| 5.74 | | 1476701 | 1257134 |
| 5.771 | | 92983 | 68521 |
| 5.854 | | 1003 | 4794 |
| 5.869 | | 1098 | 487 |
| 5.893 | | 3170 | 3785 |
| 5.938 | | 526793 | 450005 |
| 5.97 | | 3392 | 2260 |
| 6.002 | | 3892 | 4776 |
| 6.051 | | 1287 | 1113 |
| 6.096 | DCB | 15164730 | 12521300 |
| 6.213 | | 7773 | 15532 |
| 6.273 | | 5343 | 4884 |
| 6.308 | | 2615 | 1655 |
| 6.355 | | 1260 | 656 |
| 6.402 | | 1347 | 1309 |
| 6.434 | | 2727 | 2239 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.485 | | 523 | 1022 |
| 6.503 | | 2310 | 1926 |
| 6.544 | | 15878 | 13623 |
| 6.598 | | 547 | 554 |
| 6.608 | | 1237 | 1232 |
| 6.637 | | 903 | 260 |
| 6.657 | | 1261 | 763 |
| 6.717 | | 2847 | 3175 |
| 6.768 | | 3731 | 3533 |
| 6.787 | | 1564 | 551 |
| 6.804 | | 1021 | 360 |
| 6.814 | | 953 | 358 |
| 6.832 | | 803 | 410 |
| 6.862 | | 2271 | 2775 |
| 6.98 | | 934 | 509 |

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.RAW

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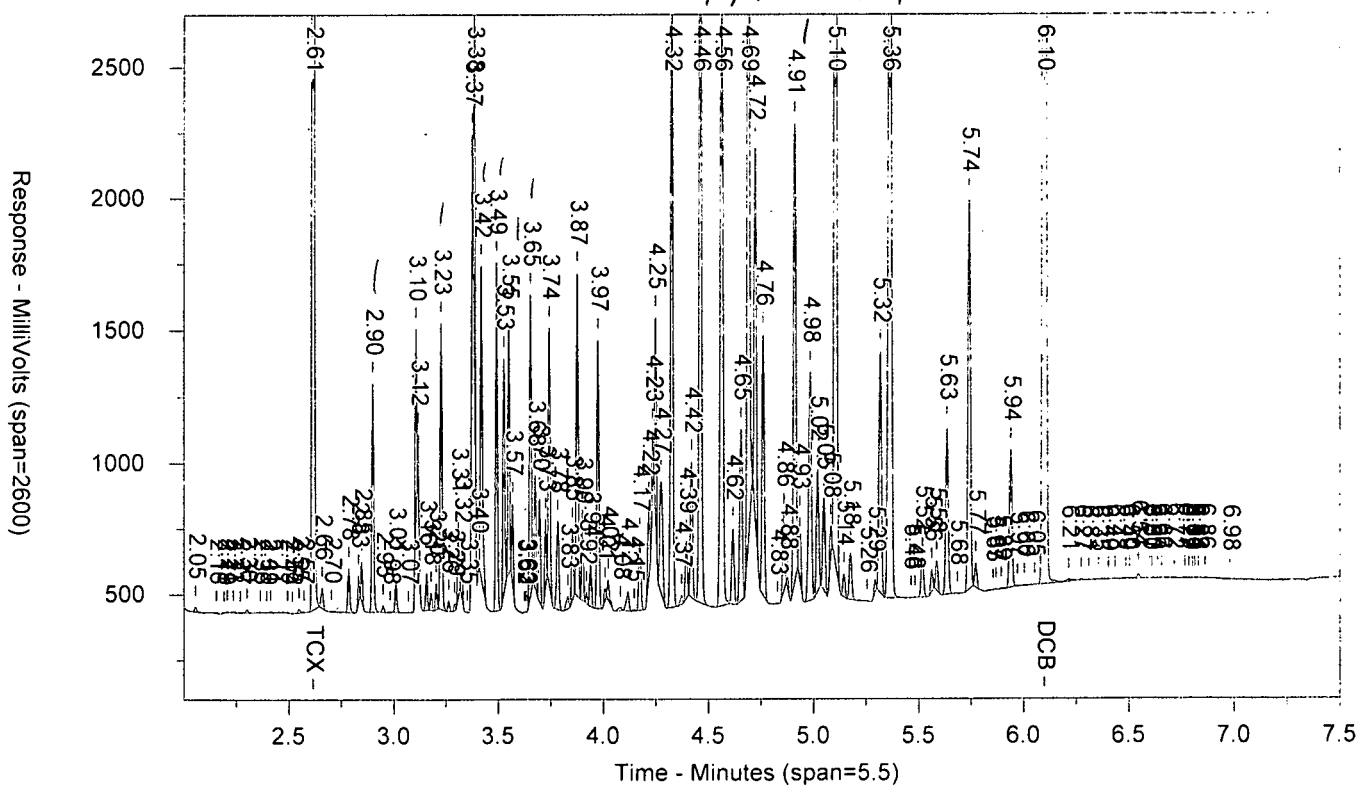


LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

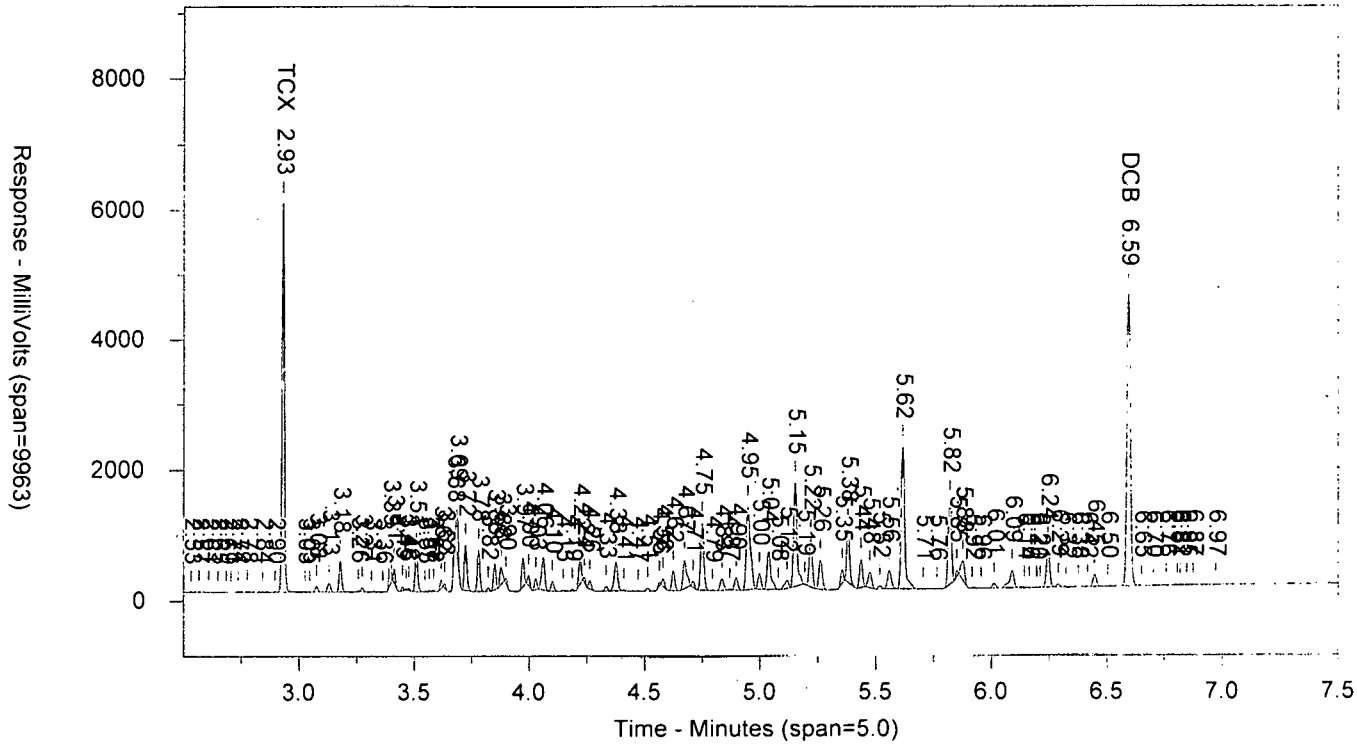
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 5997971 | 40.497 | TCX | 2.614 | 11096730 | 41.55 | TCX |
| 6.594 | 4488864 | 43.106 | DCB | 6.096 | 15164730 | 45.523 | DCB |

Files:
Area File: 25PCBs17289001.010.RAW
Area File: 25PCBs17289001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:33:40 PM
File Reported On: 10/16/2017 at 8:33:55 PM

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.RAW

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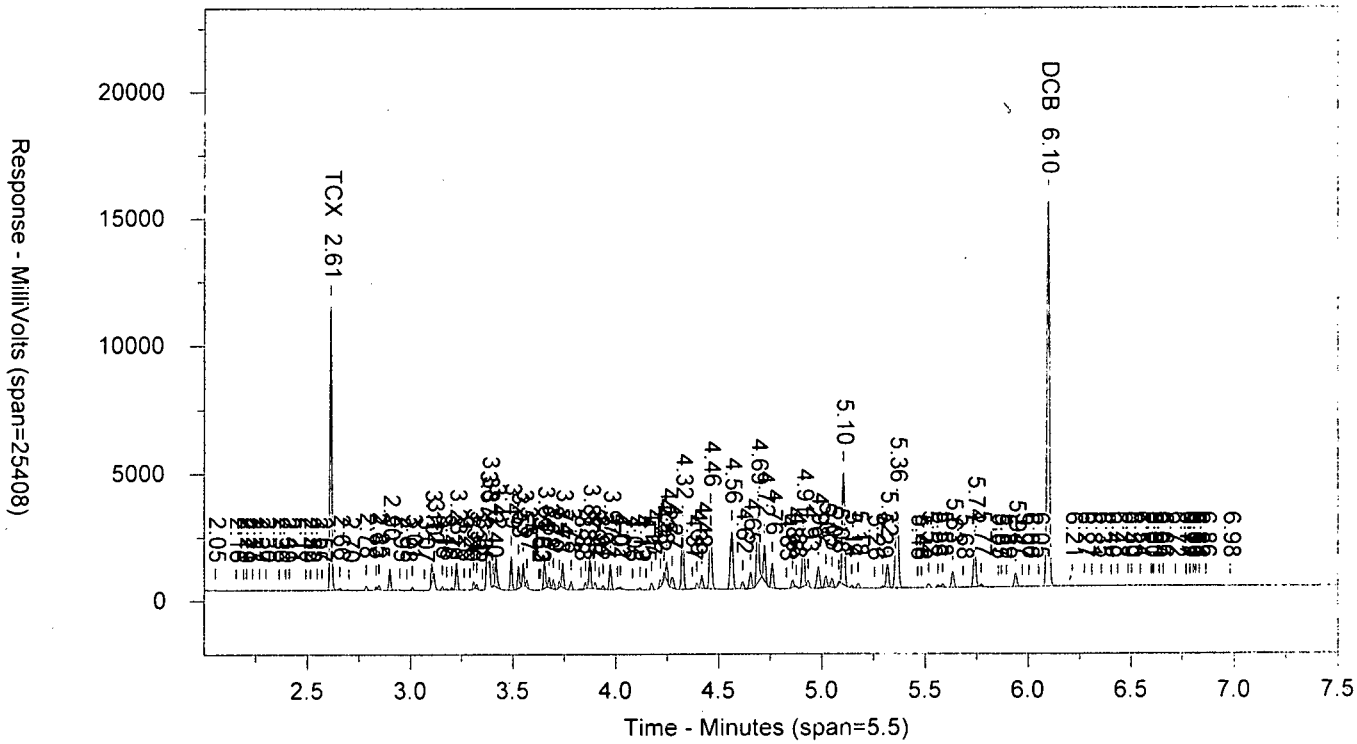

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

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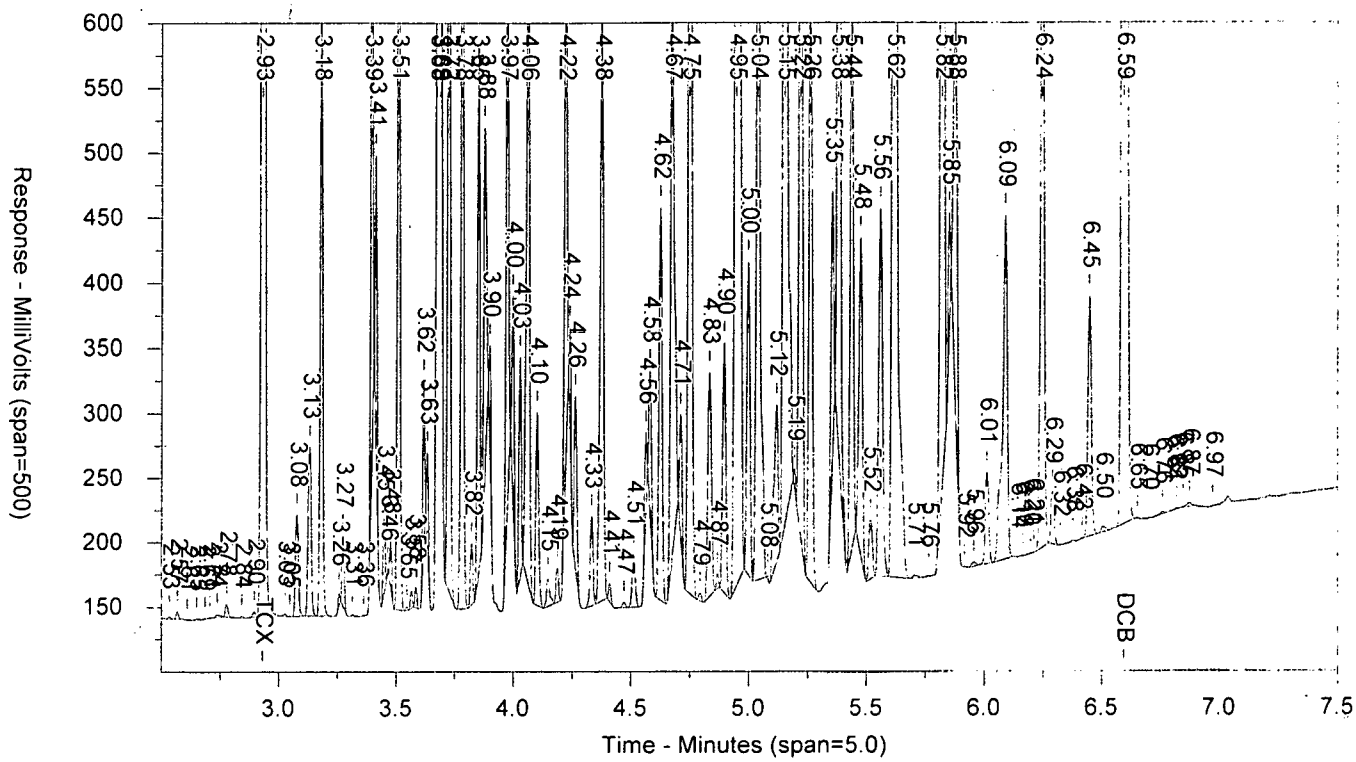


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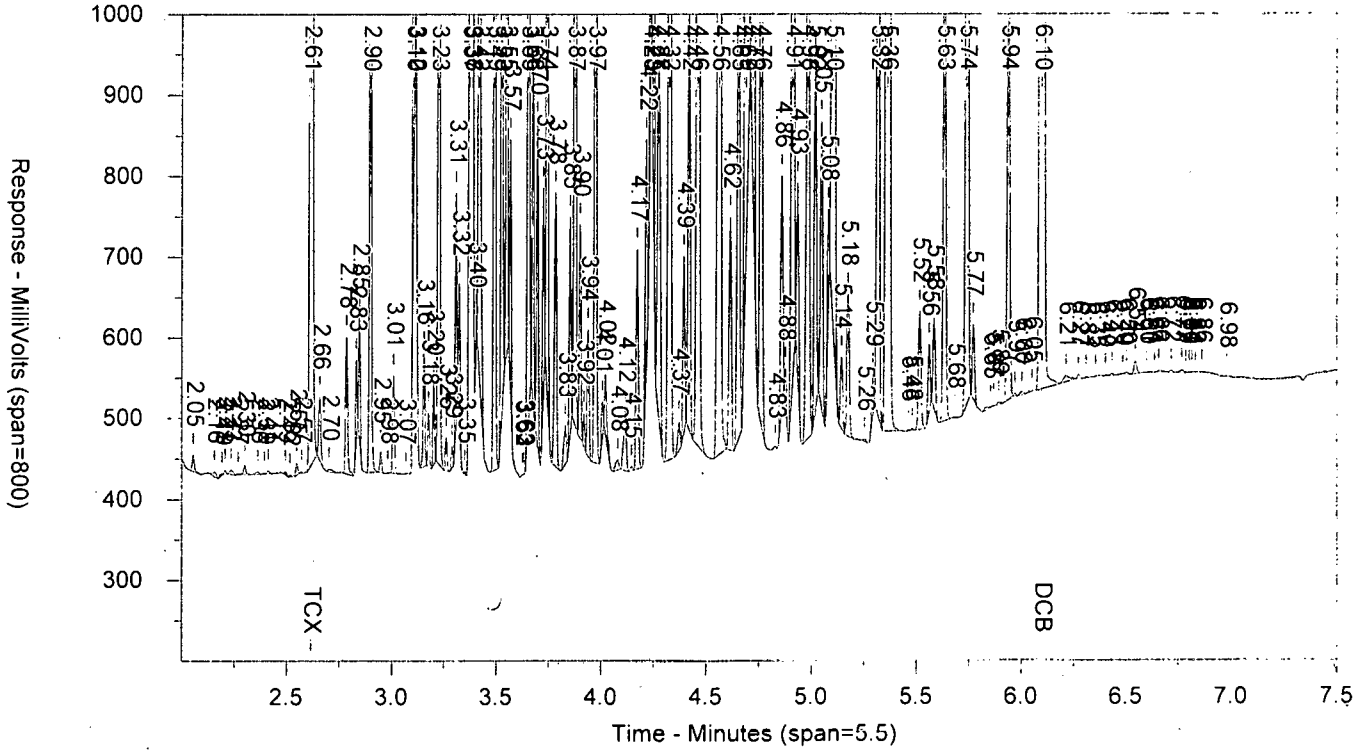


LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.013 | | 288 | 167 |
| 2.035 | | 8937 | 8998 |
| 2.081 | | 9671 | 16692 |
| 2.209 | | 349 | 314 |
| 2.231 | | 37905 | 29169 |
| 2.334 | | 20770 | 22454 |
| 2.368 | | 2134 | 2315 |
| 2.43 | | 602 | 444 |
| 2.49 | | 6974 | 8058 |
| 2.534 | | 1512 | 1345 |
| 2.568 | | 13931 | 10885 |
| 2.709 | | 724 | 550 |
| 2.738 | | 560 | 470 |
| 2.75 | | 687 | 400 |
| 2.778 | | 17975 | 16575 |
| 2.843 | | 2622 | 2233 |
| 2.895 | | 4626 | 3735 |
| 2.931 | TCX | 9018581 | 6301984 |
| 3.027 | | 2527 | 1530 |
| 3.076 | | 178862 | 161016 |
| 3.132 | | 261198 | 237042 |
| 3.18 | | 1100373 | 808617 |
| 3.257 | | 10571 | 5407 |
| 3.273 | | 128817 | 86020 |
| 3.314 | | 3158 | 2348 |
| 3.363 | | 693 | 407 |
| 3.395 | | 1081253 | 651299 |
| 3.411 | | 488462 | 260816 |
| 3.448 | | 124831 | 74803 |
| 3.464 | | 10906 | 3939 |
| 3.475 | | 72546 | 38917 |
| 3.509 | | 1363805 | 1067135 |
| 3.546 | | 5449 | 2688 |
| 3.565 | | 16404 | 9517 |
| 3.584 | | 41798 | 26419 |
| 3.619 | | 281752 | 161962 |
| 3.633 | | 146893 | 72624 |
| 3.677 | | 423838 | 306858 |
| 3.687 | | 1683983 | 854656 |
| 3.724 | | 1727063 | 1303267 |
| 3.781 | | 1521255 | 1158219 |
| 3.822 | | 109229 | 78077 |
| 3.851 | | 927945 | 674509 |
| 3.877 | | 599459 | 504496 |
| 3.899 | | 150106 | 78657 |
| 3.947 | | 667 | 186 |
| 3.973 | | 1064354 | 762294 |
| 3.997 | | 344016 | 225192 |
| 4.028 | | 376393 | 274382 |
| 4.061 | | 1174563 | 1097505 |
| 4.1 | | 340621 | 282874 |
| 4.148 | | 50200 | 45089 |
| 4.187 | | 65281 | 49244 |
| 4.22 | | 975526 | 709988 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.238 | | 171105 | 87209 |
| 4.262 | | 293577 | 222228 |
| 4.332 | | 156100 | 134509 |
| 4.375 | | 1057951 | 1036784 |
| 4.409 | | 32641 | 22749 |
| 4.451 | | 717 | 388 |
| 4.471 | | 10612 | 8521 |
| 4.512 | | 109127 | 103768 |
| 4.563 | | 127741 | 82597 |
| 4.579 | | 247271 | 176665 |
| 4.624 | | 671089 | 629843 |
| 4.673 | | 1046802 | 1124508 |
| 4.709 | | 204509 | 150987 |
| 4.749 | | 2414911 | 2263694 |
| 4.792 | | 16710 | 13606 |
| 4.834 | | 394322 | 418193 |
| 4.868 | | 29419 | 18744 |
| 4.895 | | 440380 | 402963 |
| 4.947 | | 3027383 | 3697421 |
| 4.997 | | 534944 | 501976 |
| 5.037 | | 1416321 | 1537851 |
| 5.08 | | 9172 | 4017 |
| 5.117 | | 268325 | 320443 |
| 5.151 | | 3781575 | 3874195 |
| 5.192 | | 34859 | 15864 |
| 5.218 | | 1679650 | 1606058 |
| 5.261 | | 1087816 | 1036546 |
| 5.355 | | 478936 | 377265 |
| 5.38 | | 1865858 | 1685371 |
| 5.436 | | 962533 | 890450 |
| 5.474 | | 553350 | 549854 |
| 5.517 | | 101598 | 112613 |
| 5.558 | | 637681 | 730221 |
| 5.616 | | 5207845 | 5494008 |
| 5.707 | | 5396 | 6641 |
| 5.766 | | 2163 | 2536 |
| 5.82 | | 3186838 | 2979271 |
| 5.85 | | 170428 | 102993 |
| 5.877 | | 708533 | 750893 |
| 5.915 | | 1514 | 1259 |
| 5.955 | | 4134 | 5236 |
| 6.012 | | 135090 | 139742 |
| 6.09 | | 592443 | 811760 |
| 6.154 | | 532 | 311 |
| 6.2 | | 1335 | 2106 |
| 6.245 | | 1288508 | 1332601 |
| 6.29 | | 90002 | 86272 |
| 6.338 | | 610 | 199 |
| 6.378 | | 1657 | 1356 |
| 6.447 | | 381071 | 406703 |
| 6.507 | | 4754 | 6496 |
| 6.595 | DCB | 6787356 | 6851101 |
| 6.65 | | 2851 | 2795 |
| 6.723 | | 682 | 304 |
| 6.764 | | 1964 | 2174 |
| 6.826 | | 1103 | 1612 |
| 6.877 | | 3133 | 4650 |
| 6.922 | | 602 | 286 |
| 6.95 | | 481 | 148 |
| 6.981 | | 866 | 673 |

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

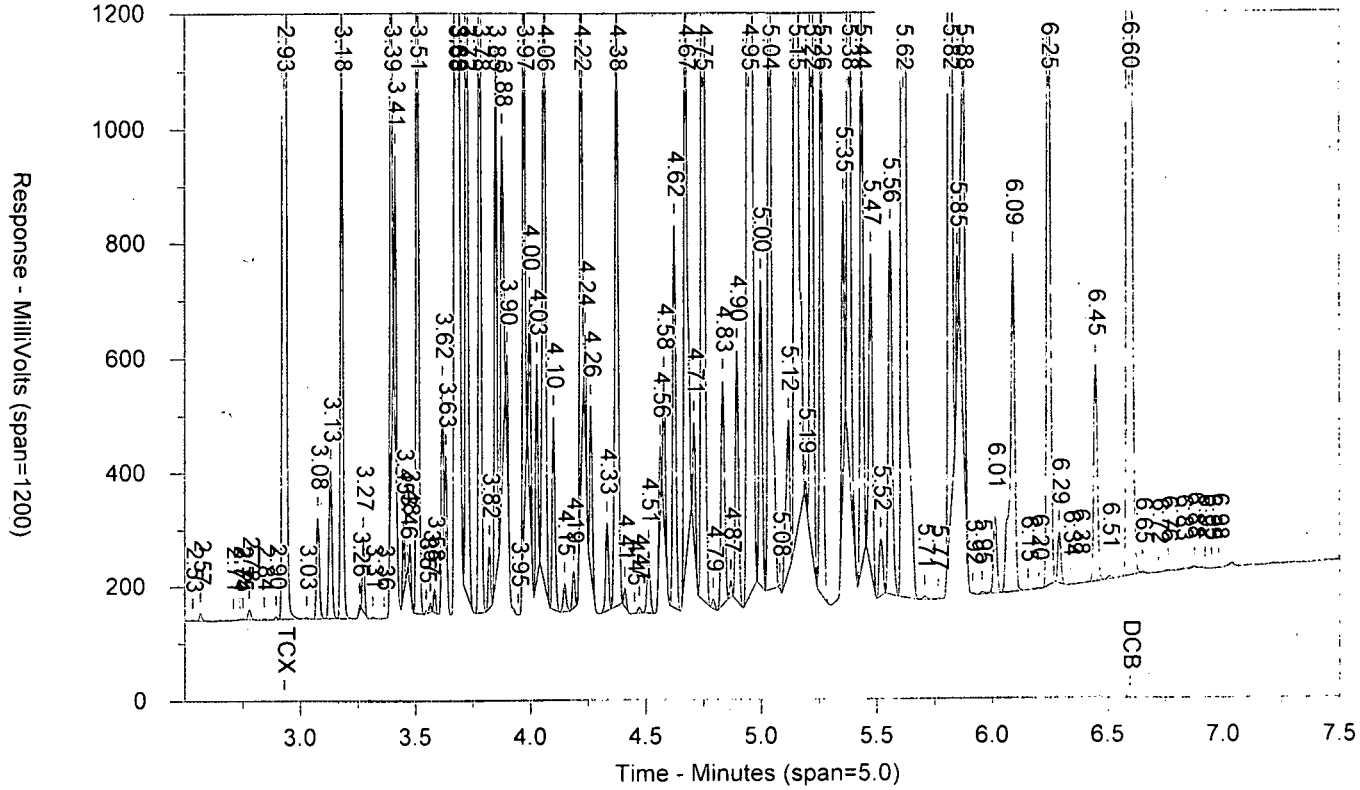
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 28181 | 19939 |
| 2.145 | | 6128 | 15945 |
| 2.204 | | 4026 | 9109 |
| 2.234 | | 4958 | 5544 |
| 2.3 | | 25807 | 17258 |
| 2.365 | | 2513 | 3252 |
| 2.409 | | 2521 | 2893 |
| 2.516 | | 2701 | 1159 |
| 2.531 | | 3181 | 1560 |
| 2.548 | | 30156 | 20567 |
| 2.572 | | 3955 | 1876 |
| 2.615 | TCX | 17208340 | 9724556 |
| 2.658 | | 169188 | 126515 |
| 2.785 | | 386692 | 257381 |
| 2.832 | | 135161 | 63324 |
| 2.846 | | 356279 | 188797 |
| 2.898 | | 1946273 | 1212295 |
| 2.948 | | 38174 | 22356 |
| 3.009 | | 268112 | 165451 |
| 3.064 | | 646 | 93 |
| 3.07 | | 950 | 344 |
| 3.086 | | 950 | 345 |
| 3.105 | | 1613163 | 804491 |
| 3.116 | | 579775 | 216832 |
| 3.156 | | 309863 | 191270 |
| 3.177 | | 141937 | 81891 |
| 3.202 | | 226807 | 126071 |
| 3.226 | | 2541111 | 1646493 |
| 3.262 | | 95389 | 56251 |
| 3.291 | | 33215 | 14953 |
| 3.309 | | 654051 | 344959 |
| 3.324 | | 376273 | 182963 |
| 3.351 | | 6269 | 2882 |
| 3.375 | | 1275373 | 687584 |
| 3.384 | | 3264459 | 1367689 |
| 3.404 | | 105488 | 38378 |
| 3.418 | | 2902247 | 1856057 |
| 3.492 | | 3193042 | 1913744 |
| 3.526 | | 2096733 | 1252818 |
| 3.55 | | 2209338 | 1222240 |
| 3.567 | | 711153 | 361445 |
| 3.623 | | 2195 | 1058 |
| 3.653 | | 2757140 | 1714605 |
| 3.675 | | 975641 | 530470 |
| 3.696 | | 932612 | 545003 |
| 3.725 | | 600587 | 309920 |
| 3.742 | | 2292746 | 1351219 |
| 3.783 | | 780411 | 563400 |
| 3.83 | | 115054 | 97647 |
| 3.852 | | 591227 | 354378 |
| 3.874 | | 2911130 | 1861866 |
| 3.899 | | 632801 | 372051 |
| 3.918 | | 94697 | 45649 |
| 3.938 | | 337267 | 215613 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.973 | | 2405667 | 1635197 |
| 4.007 | | 106607 | 65338 |
| 4.021 | | 175170 | 114369 |
| 4.083 | | 23755 | 21693 |
| 4.117 | | 176836 | 167055 |
| 4.149 | | 9534 | 6881 |
| 4.174 | | 614007 | 449132 |
| 4.215 | | 635088 | 372721 |
| 4.234 | | 543406 | 260262 |
| 4.247 | | 1754404 | 961709 |
| 4.273 | | 986726 | 968902 |
| 4.324 | | 5670458 | 4259962 |
| 4.372 | | 78689 | 63942 |
| 4.393 | | 525025 | 340915 |
| 4.418 | | 1228473 | 869555 |
| 4.46 | | 7195716 | 5234416 |
| 4.562 | | 5522907 | 5120782 |
| 4.615 | | 652242 | 539967 |
| 4.653 | | 1473098 | 1245686 |
| 4.689 | | 6677144 | 5434157 |
| 4.721 | | 3468503 | 2385694 |
| 4.76 | | 2369547 | 1789969 |
| 4.828 | | 7578 | 7327 |
| 4.858 | | 657335 | 481069 |
| 4.875 | | 65864 | 34085 |
| 4.909 | | 4377946 | 3368721 |
| 4.933 | | 522097 | 335599 |
| 4.983 | | 1937641 | 1848485 |
| 5.018 | | 1087486 | 844968 |
| 5.048 | | 831882 | 670260 |
| 5.081 | | 306664 | 194967 |
| 5.103 | | 10831590 | 8888378 |
| 5.144 | | 201516 | 155301 |
| 5.175 | | 417593 | 336227 |
| 5.218 | | 3765 | 2160 |
| 5.254 | | 5653 | 5004 |
| 5.294 | | 114033 | 71908 |
| 5.316 | | 2270839 | 1789847 |
| 5.362 | | 7672535 | 8111024 |
| 5.46 | | 2466 | 1228 |
| 5.482 | | 4601 | 3183 |
| 5.517 | | 291892 | 257488 |
| 5.562 | | 204594 | 144110 |
| 5.584 | | 251697 | 182303 |
| 5.633 | | 1482230 | 1208977 |
| 5.683 | | 2292 | 2127 |
| 5.739 | | 3809090 | 2954415 |
| 5.771 | | 202744 | 158621 |
| 5.84 | | 3664 | 5534 |
| 5.87 | | 1221 | 756 |
| 5.892 | | 3250 | 2845 |
| 5.938 | | 1132120 | 952838 |
| 5.969 | | 3819 | 2384 |
| 6.002 | | 3541 | 4157 |
| 6.026 | | 1494 | 257 |
| 6.055 | | 3026 | 2746 |
| 6.097 | DCB | 21860360 | 18320400 |
| 6.211 | | 4286 | 4255 |
| 6.272 | | 12766 | 10597 |
| 6.316 | | 1471 | 1669 |
| 6.342 | | 1324 | 351 |
| 6.408 | | 1681 | 2077 |
| 6.481 | | 1203 | 878 |
| 6.5 | | 2233 | 2061 |
| 6.544 | | 23113 | 20185 |
| 6.617 | | 2422 | 1598 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.658 | | 2977 | 5440 |
| 6.716 | | 4536 | 4659 |
| 6.768 | | 1800 | 1965 |
| 6.862 | | 2127 | 2927 |
| 6.893 | | 1746 | 4736 |

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.011.RAW

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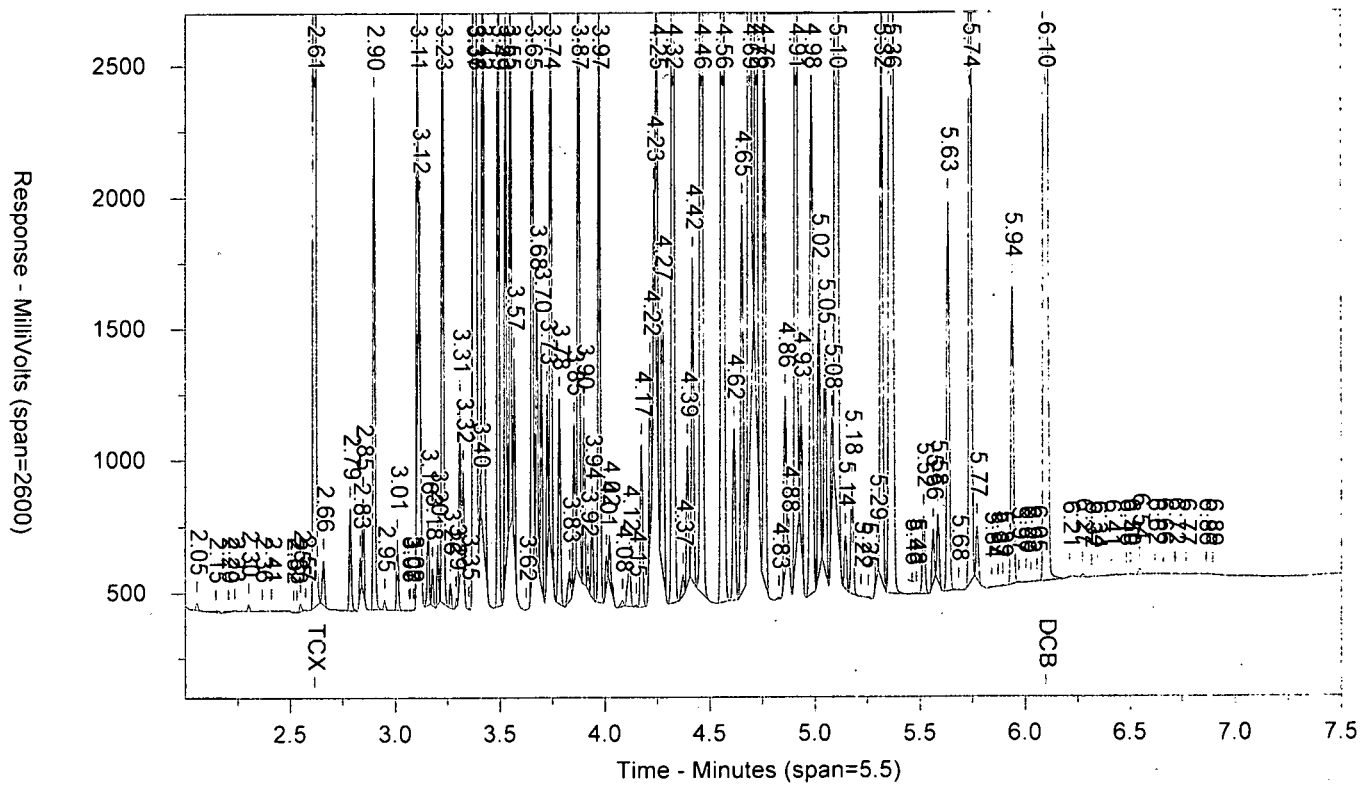

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 9018581 | 61.267 | TCX | 2.615 | 17208340 | 64.423 | TCX |
| 6.595 | 6787356 | 63.139 | DCB | 6.097 | 21860360 | 63.086 | DCB |

Files:
Area File: 25PCBs17289001.011.RAW
Area File: 25PCBs17289001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:44:58 PM
File Reported On: 10/16/2017 at 8:45:09 PM

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

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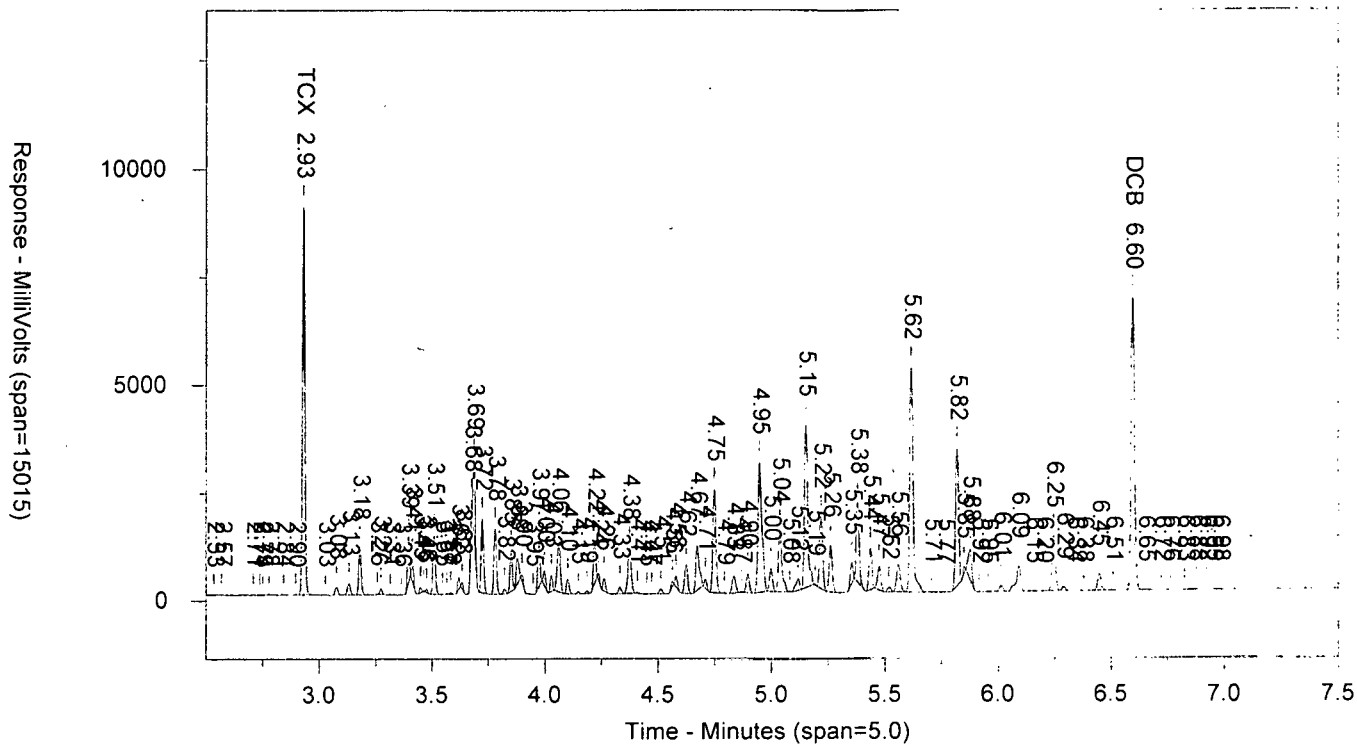


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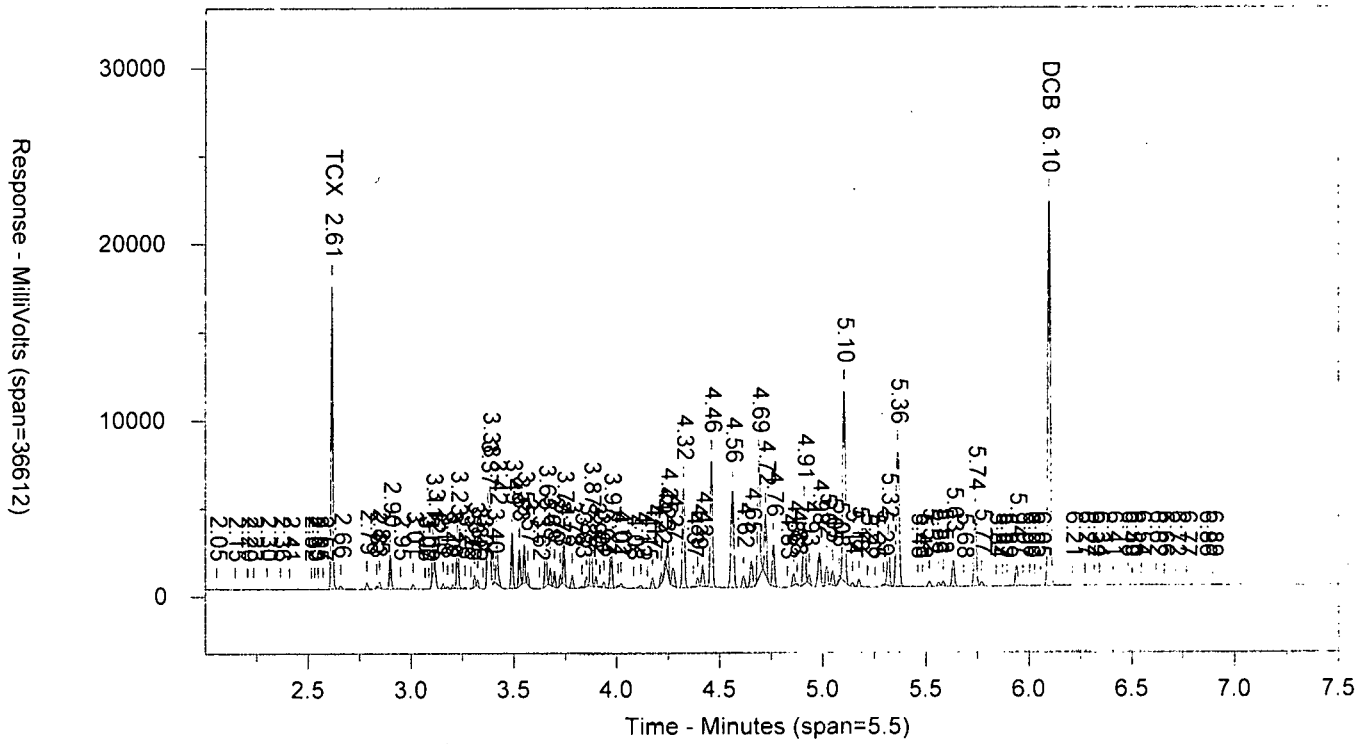

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

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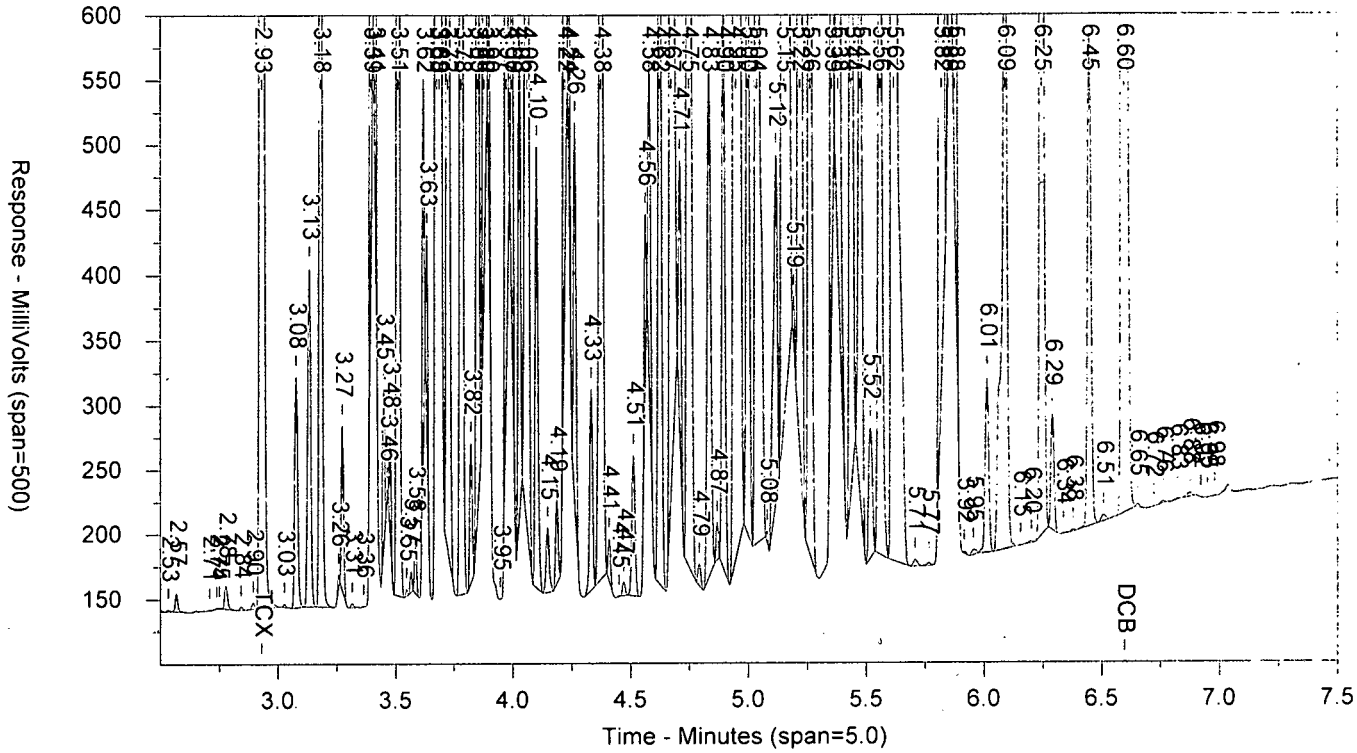


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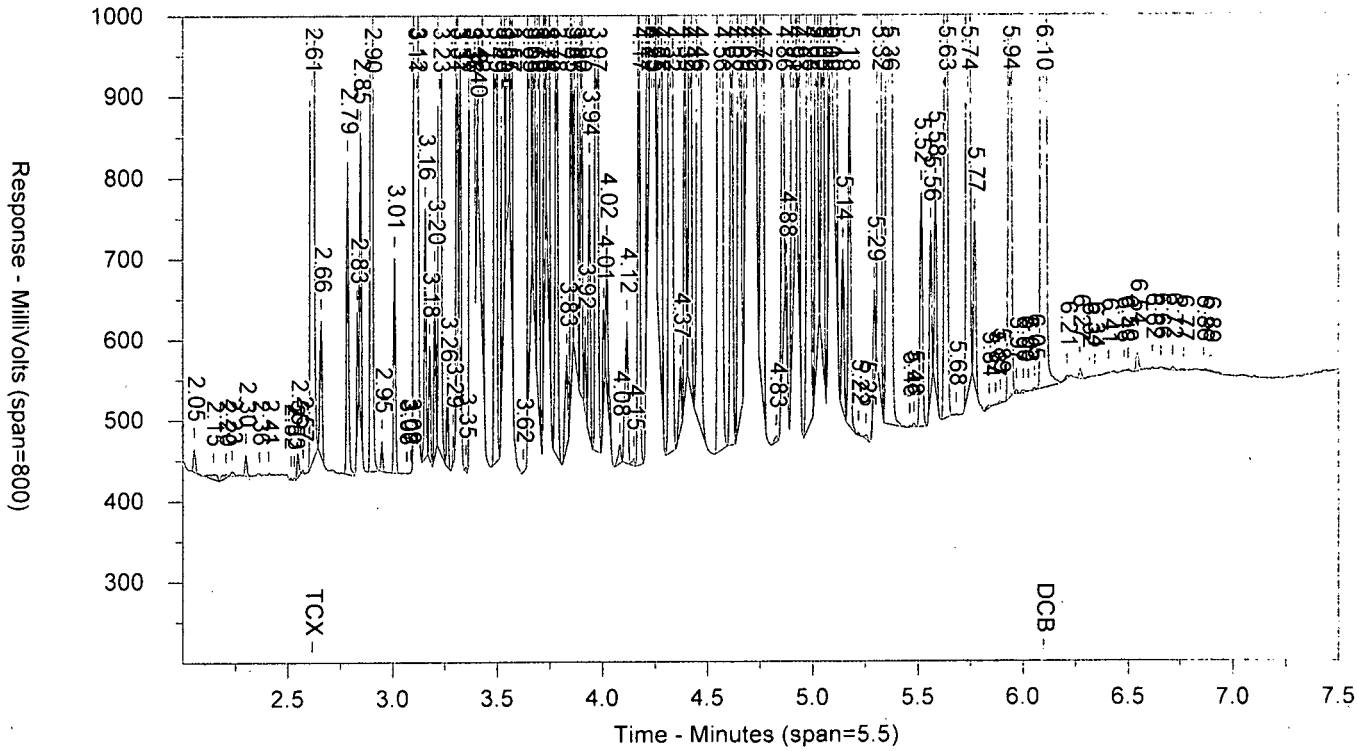

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.02 | | 245 | 207 |
| 2.036 | | 7245 | 7349 |
| 2.086 | | 8957 | 20068 |
| 2.204 | | 632 | 438 |
| 2.232 | | 49603 | 37152 |
| 2.338 | | 22326 | 25061 |
| 2.364 | | 1852 | 1532 |
| 2.445 | | 408 | 177 |
| 2.489 | | 5508 | 6651 |
| 2.535 | | 1676 | 1462 |
| 2.568 | | 26176 | 19363 |
| 2.617 | | 478 | 163 |
| 2.653 | | 1184 | 1116 |
| 2.708 | | 606 | 568 |
| 2.747 | | 1130 | 1470 |
| 2.778 | | 13621 | 12566 |
| 2.842 | | 5072 | 3832 |
| 2.875 | | 484 | 339 |
| 2.894 | | 3527 | 2680 |
| 2.931 | TCX | 12152110 | 8258695 |
| 3.028 | | 2883 | 1928 |
| 3.048 | | 648 | 372 |
| 3.077 | | 333637 | 299343 |
| 3.133 | | 476922 | 403925 |
| 3.18 | | 2107103 | 1551293 |
| 3.257 | | 10825 | 5401 |
| 3.273 | | 238900 | 168123 |
| 3.315 | | 6764 | 5036 |
| 3.395 | | 2147908 | 1259067 |
| 3.411 | | 923945 | 492528 |
| 3.449 | | 241898 | 139662 |
| 3.464 | | 19988 | 7493 |
| 3.475 | | 129588 | 70678 |
| 3.509 | | 2673266 | 2081655 |
| 3.546 | | 11664 | 5810 |
| 3.565 | | 21909 | 13240 |
| 3.584 | | 88085 | 56684 |
| 3.619 | | 567444 | 318213 |
| 3.633 | | 284443 | 141764 |
| 3.676 | | 1216734 | 698576 |
| 3.687 | | 3149005 | 1679583 |
| 3.724 | | 3392173 | 2603205 |
| 3.781 | | 3085021 | 2329375 |
| 3.823 | | 202945 | 145076 |
| 3.851 | | 1843285 | 1333835 |
| 3.878 | | 1294798 | 1040848 |
| 3.899 | | 335798 | 174054 |
| 3.949 | | 1117 | 448 |
| 3.973 | | 2111336 | 1523908 |
| 3.997 | | 672675 | 446585 |
| 4.029 | | 760576 | 534097 |
| 4.062 | | 2398858 | 2214958 |
| 4.101 | | 639582 | 548446 |
| 4.148 | | 105513 | 88275 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.187 | | 131413 | 99138 |
| 4.222 | | 1982595 | 1415873 |
| 4.238 | | 294104 | 150098 |
| 4.263 | | 535449 | 420334 |
| 4.334 | | 293732 | 258524 |
| 4.376 | | 2097361 | 2062973 |
| 4.409 | | 61873 | 41741 |
| 4.45 | | 1329 | 714 |
| 4.472 | | 19629 | 15604 |
| 4.512 | | 182919 | 179683 |
| 4.564 | | 251130 | 166803 |
| 4.58 | | 478724 | 334542 |
| 4.624 | | 1409697 | 1259380 |
| 4.674 | | 2042050 | 2271862 |
| 4.71 | | 433662 | 297434 |
| 4.749 | | 5082846 | 4645144 |
| 4.793 | | 27955 | 22790 |
| 4.835 | | 805654 | 821058 |
| 4.867 | | 48964 | 31371 |
| 4.895 | | 843253 | 794727 |
| 4.947 | | 6084884 | 7630192 |
| 4.998 | | 1089235 | 984449 |
| 5.038 | | 2872701 | 3146115 |
| 5.08 | | 19231 | 7908 |
| 5.118 | | 485018 | 599448 |
| 5.151 | | 7966411 | 8394090 |
| 5.219 | | 3646314 | 3315089 |
| 5.261 | | 2157053 | 2095387 |
| 5.355 | | 958830 | 759381 |
| 5.38 | | 3978470 | 3478503 |
| 5.436 | | 1944100 | 1794477 |
| 5.475 | | 1078387 | 1090518 |
| 5.517 | | 181586 | 198182 |
| 5.558 | | 1288253 | 1457266 |
| 5.615 | | 10955880 | 11361080 |
| 5.705 | | 10357 | 12563 |
| 5.766 | | 3450 | 3345 |
| 5.819 | | 6611228 | 6175973 |
| 5.85 | | 396022 | 241373 |
| 5.876 | | 1350870 | 1496053 |
| 5.917 | | 3300 | 2489 |
| 5.96 | | 2770 | 3182 |
| 6.012 | | 195932 | 207990 |
| 6.063 | | 55648 | 51284 |
| 6.089 | | 1054725 | 986021 |
| 6.195 | | 2567 | 4859 |
| 6.244 | | 2598897 | 2649265 |
| 6.289 | | 170073 | 164985 |
| 6.341 | | 968 | 684 |
| 6.377 | | 2079 | 1965 |
| 6.417 | | 835 | 568 |
| 6.447 | | 720469 | 735384 |
| 6.508 | | 4117 | 5539 |
| 6.594 | DCB | 8997452 | 9227498 |
| 6.653 | | 6221 | 5409 |
| 6.722 | | 333 | 292 |
| 6.729 | | 707 | 247 |
| 6.763 | | 1362 | 1894 |
| 6.795 | | 723 | 299 |
| 6.806 | | 576 | 138 |
| 6.843 | | 694 | 1419 |
| 6.869 | | 893 | 576 |
| 6.899 | | 1536 | 1651 |
| 6.979 | | 1319 | 1817 |

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.056 | | 36347 | 25960 |
| 2.187 | | 4015 | 2515 |
| 2.209 | | 1973 | 1621 |
| 2.234 | | 4927 | 5439 |
| 2.3 | | 48468 | 32341 |
| 2.363 | | 3881 | 4318 |
| 2.411 | | 3642 | 2621 |
| 2.473 | | 2001 | 2484 |
| 2.533 | | 3043 | 1807 |
| 2.548 | | 21338 | 13122 |
| 2.571 | | 8136 | 4567 |
| 2.615 | TCX | 21546340 | 12840740 |
| 2.659 | | 294942 | 229890 |
| 2.786 | | 702867 | 466347 |
| 2.832 | | 164356 | 74700 |
| 2.847 | | 679034 | 366987 |
| 2.899 | | 3753429 | 2298264 |
| 2.949 | | 49863 | 28268 |
| 3.009 | | 484607 | 307097 |
| 3.069 | | 1145 | 517 |
| 3.086 | | 1216 | 404 |
| 3.105 | | 3267625 | 1579711 |
| 3.116 | | 1145283 | 442045 |
| 3.156 | | 579725 | 359298 |
| 3.177 | | 268647 | 149712 |
| 3.203 | | 405067 | 231780 |
| 3.226 | | 4838058 | 3183067 |
| 3.263 | | 177227 | 103450 |
| 3.291 | | 42728 | 19088 |
| 3.309 | | 1322926 | 681508 |
| 3.325 | | 774323 | 365341 |
| 3.35 | | 9454 | 4239 |
| 3.375 | | 2932757 | 1415760 |
| 3.384 | | 6825200 | 2911735 |
| 3.404 | | 206203 | 75328 |
| 3.418 | | 5658411 | 3734446 |
| 3.492 | | 6378178 | 3835005 |
| 3.527 | | 4234774 | 2461207 |
| 3.55 | | 4491786 | 2463225 |
| 3.568 | | 1433144 | 716393 |
| 3.622 | | 2607 | 1100 |
| 3.654 | | 5443392 | 3443104 |
| 3.676 | | 2039437 | 1070090 |
| 3.697 | | 1850398 | 1079597 |
| 3.726 | | 1147754 | 582486 |
| 3.743 | | 4667675 | 2771349 |
| 3.783 | | 1531166 | 1101049 |
| 3.831 | | 219702 | 178176 |
| 3.853 | | 1209875 | 713948 |
| 3.875 | | 6067831 | 3804664 |
| 3.9 | | 1289765 | 757640 |
| 3.919 | | 182113 | 88179 |
| 3.939 | | 655639 | 407128 |
| 3.973 | | 5146214 | 3308091 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.007 | | 202345 | 121053 |
| 4.022 | | 342354 | 212840 |
| 4.083 | | 41129 | 33556 |
| 4.118 | | 311868 | 288615 |
| 4.149 | | 5855 | 2416 |
| 4.174 | | 1293086 | 893052 |
| 4.216 | | 1280662 | 747961 |
| 4.234 | | 1160016 | 571978 |
| 4.247 | | 3675995 | 2010910 |
| 4.273 | | 2052259 | 1994997 |
| 4.325 | | 11790720 | 8702198 |
| 4.373 | | 140590 | 112227 |
| 4.394 | | 1060979 | 687804 |
| 4.419 | | 2431868 | 1760316 |
| 4.461 | | 14276920 | 10802120 |
| 4.564 | | 11015160 | 10580890 |
| 4.616 | | 1322395 | 1075917 |
| 4.654 | | 3123592 | 2526025 |
| 4.69 | | 14096930 | 11369680 |
| 4.722 | | 6981668 | 4819353 |
| 4.76 | | 4763950 | 3718684 |
| 4.83 | | 16952 | 17547 |
| 4.859 | | 1671960 | 1591766 |
| 4.91 | | 9070288 | 7017138 |
| 4.934 | | 1146164 | 719081 |
| 4.983 | | 4480467 | 3830245 |
| 5.019 | | 2238986 | 1728317 |
| 5.049 | | 1647988 | 1350942 |
| 5.081 | | 734301 | 443329 |
| 5.103 | | 22931020 | 18537730 |
| 5.144 | | 419423 | 316307 |
| 5.175 | | 795784 | 621870 |
| 5.217 | | 6846 | 3816 |
| 5.254 | | 7521 | 6660 |
| 5.294 | | 210437 | 140829 |
| 5.317 | | 4726929 | 3646266 |
| 5.362 | | 16628970 | 16624980 |
| 5.43 | | 3847 | 2642 |
| 5.463 | | 4116 | 2717 |
| 5.481 | | 9599 | 6226 |
| 5.517 | | 444417 | 383595 |
| 5.562 | | 398169 | 299963 |
| 5.585 | | 339026 | 246815 |
| 5.633 | | 2957020 | 2401585 |
| 5.668 | | 1016 | 332 |
| 5.684 | | 2018 | 1176 |
| 5.74 | | 7530811 | 5990753 |
| 5.771 | | 407274 | 307486 |
| 5.836 | | 4437 | 4624 |
| 5.868 | | 1064 | 648 |
| 5.891 | | 4977 | 3977 |
| 5.939 | | 2172734 | 1755200 |
| 5.969 | | 5183 | 2601 |
| 5.992 | | 1261 | 542 |
| 6.004 | | 1767 | 633 |
| 6.033 | | 2761 | 1697 |
| 6.057 | | 4351 | 2697 |
| 6.096 | DCB | 29665660 | 24634340 |
| 6.209 | | 4052 | 3089 |
| 6.229 | | 2889 | 1958 |
| 6.273 | | 22613 | 18717 |
| 6.307 | | 1673 | 1318 |
| 6.348 | | 1423 | 463 |
| 6.356 | | 1567 | 577 |
| 6.4 | | 1697 | 2082 |
| 6.431 | | 3519 | 3323 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.479 | | 1633 | 1534 |
| 6.499 | | 2967 | 2204 |
| 6.545 | | 28594 | 25446 |
| 6.581 | | 1550 | 824 |
| 6.618 | | 4425 | 3987 |
| 6.646 | | 887 | 547 |
| 6.661 | | 2202 | 1461 |
| 6.717 | | 5741 | 5564 |
| 6.76 | | 1462 | 1434 |
| 6.865 | | 2068 | 1811 |
| 6.93 | | 3812 | 3568 |

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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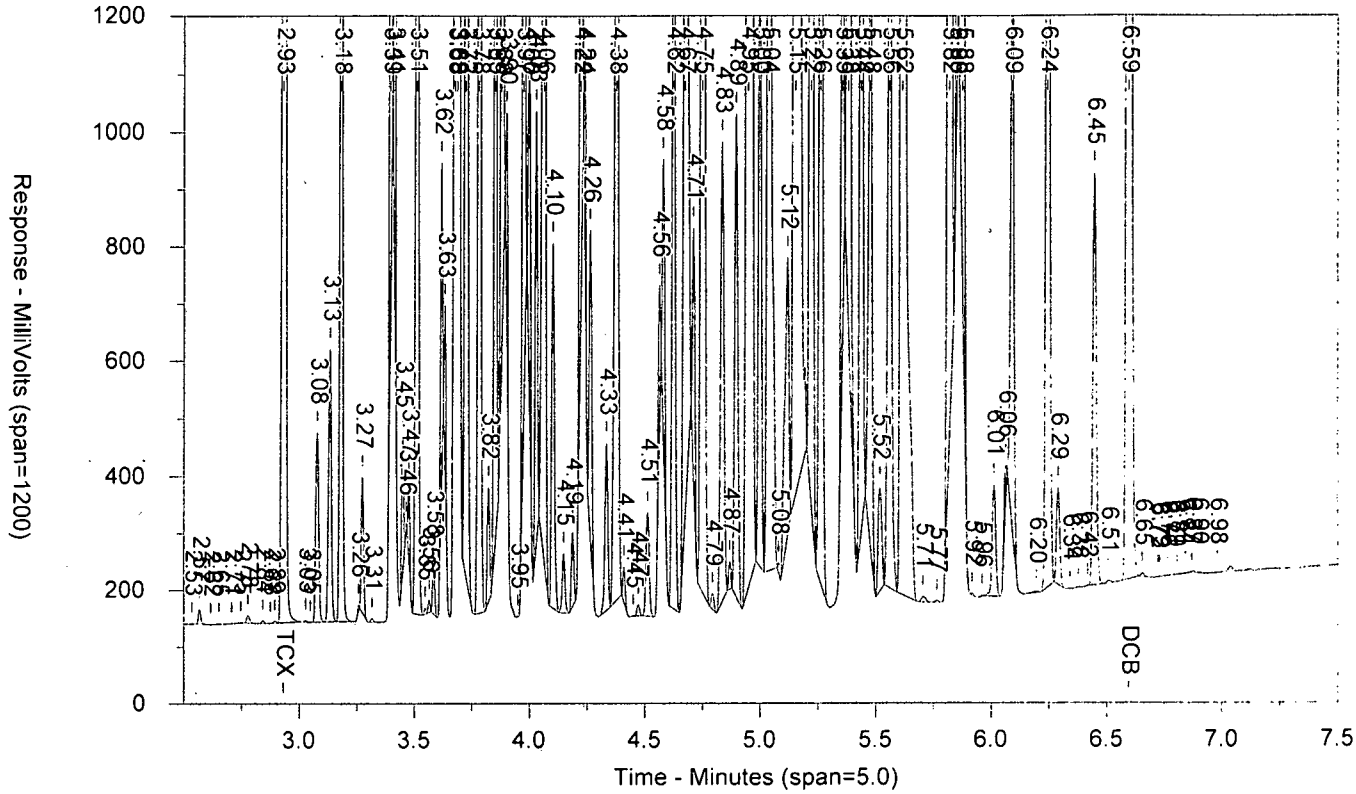


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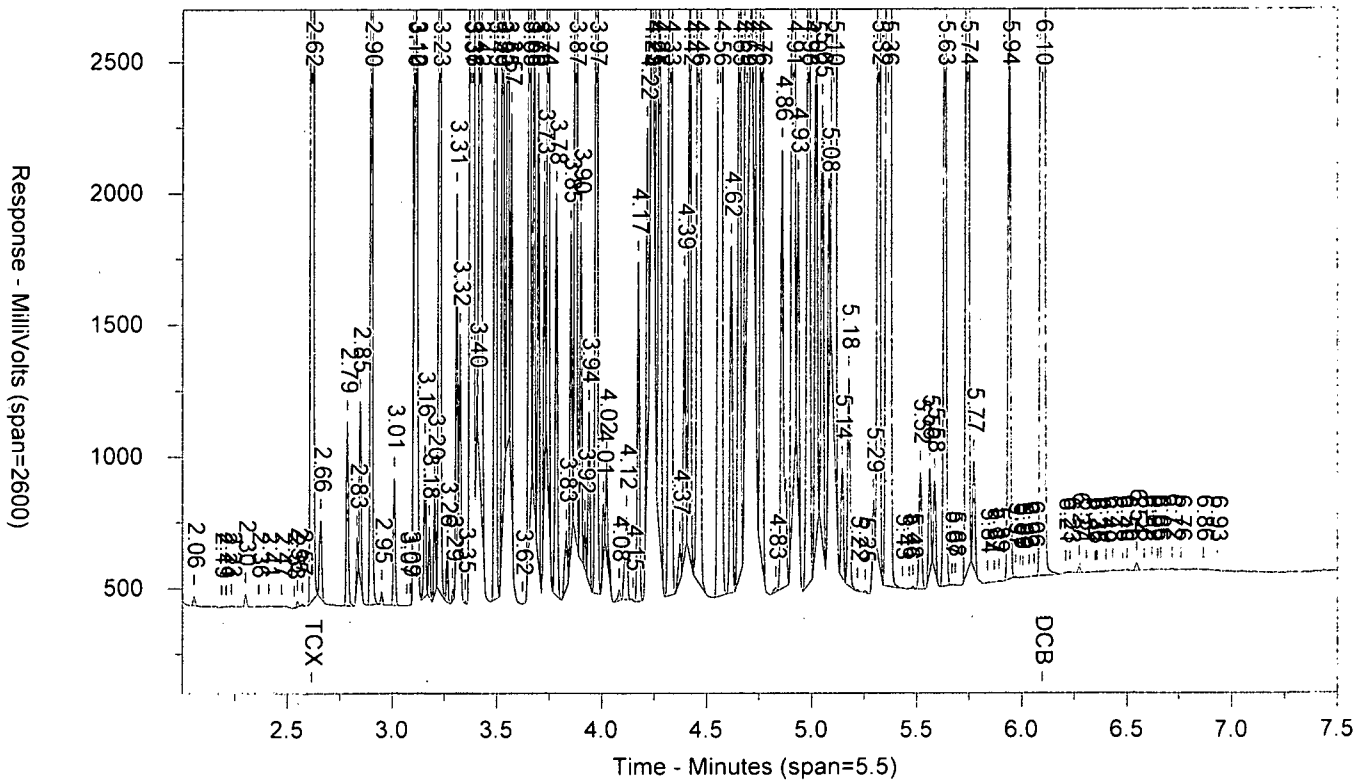

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 12152110 | 82.896 | TCX | 2.615 | 21546340 | 80.549 | TCX |
| 6.594 | 8997452 | 81.265 | DCB | 6.096 | 29665660 | 82.799 | DCB |

Files:
Area File: 25PCBs17289001.012.RAW
Area File: 25PCBs17289001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:56:14 PM
File Reported On: 10/16/2017 at 8:56:23 PM

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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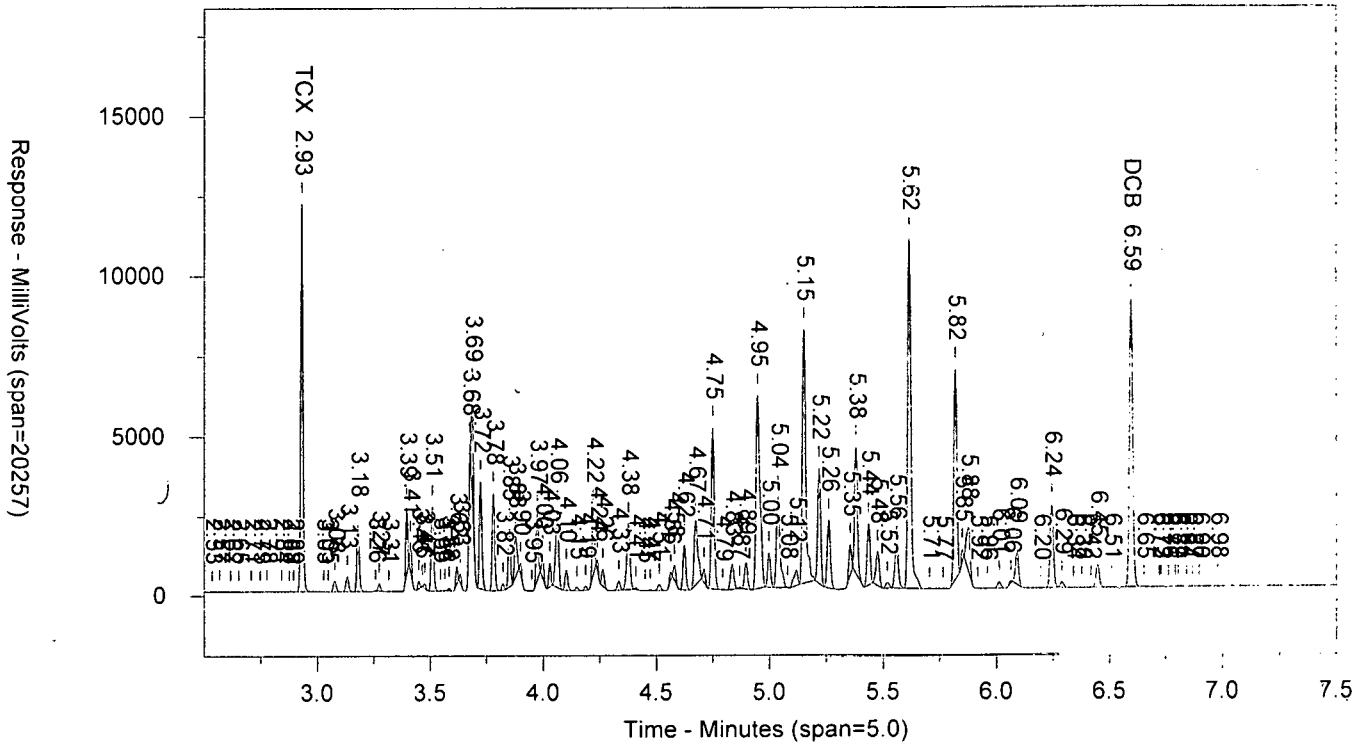


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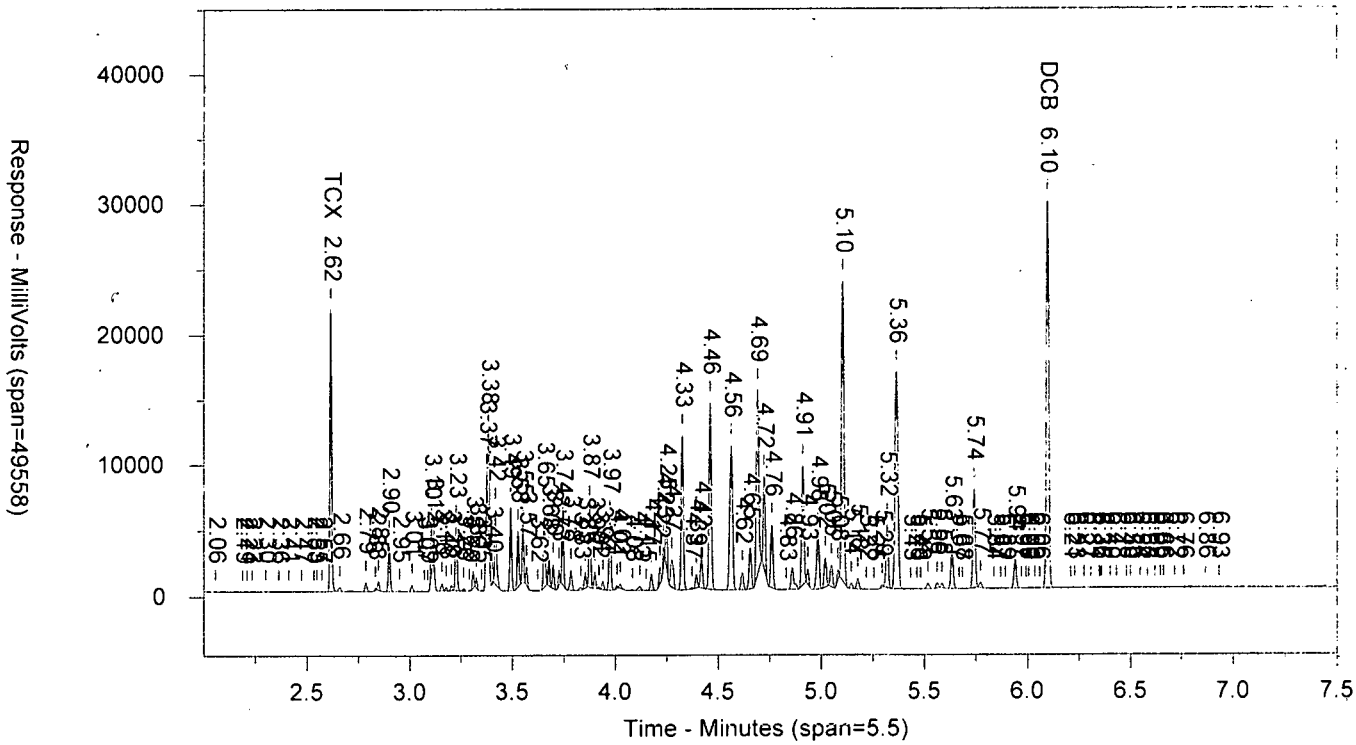

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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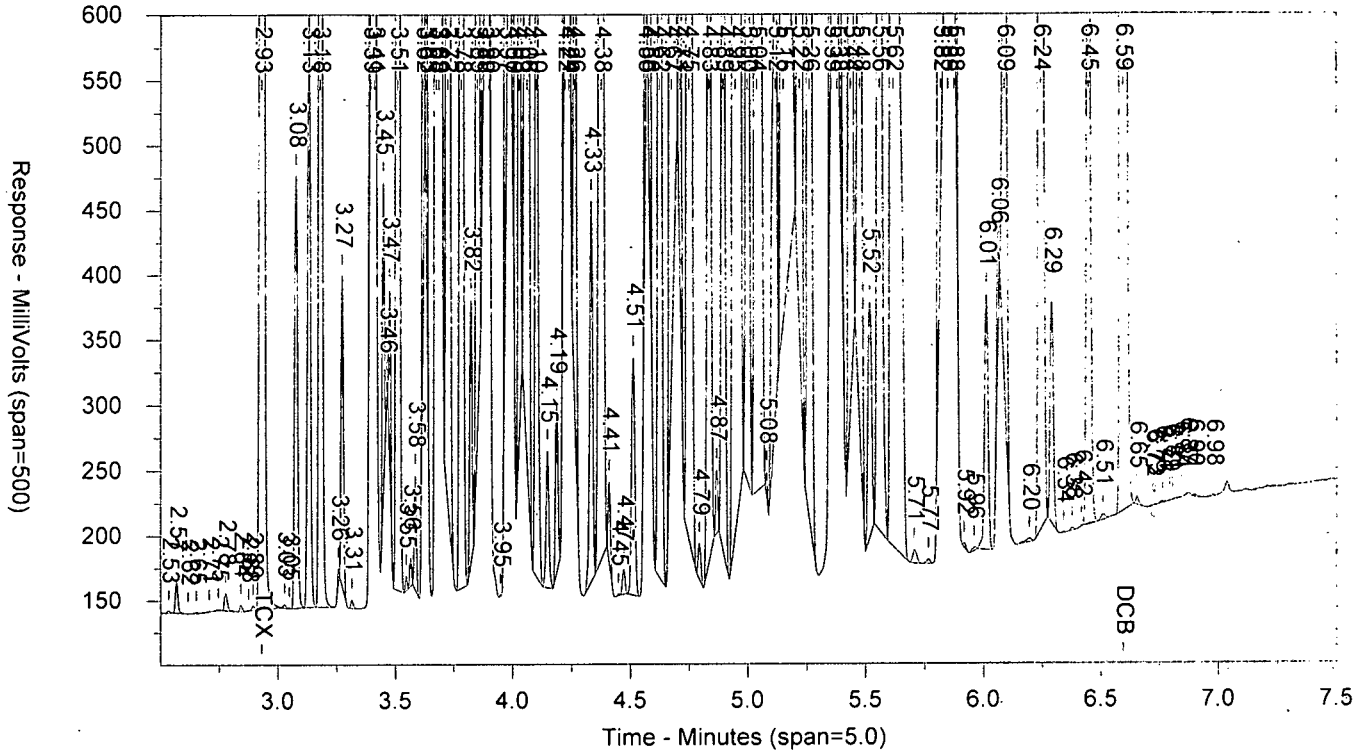


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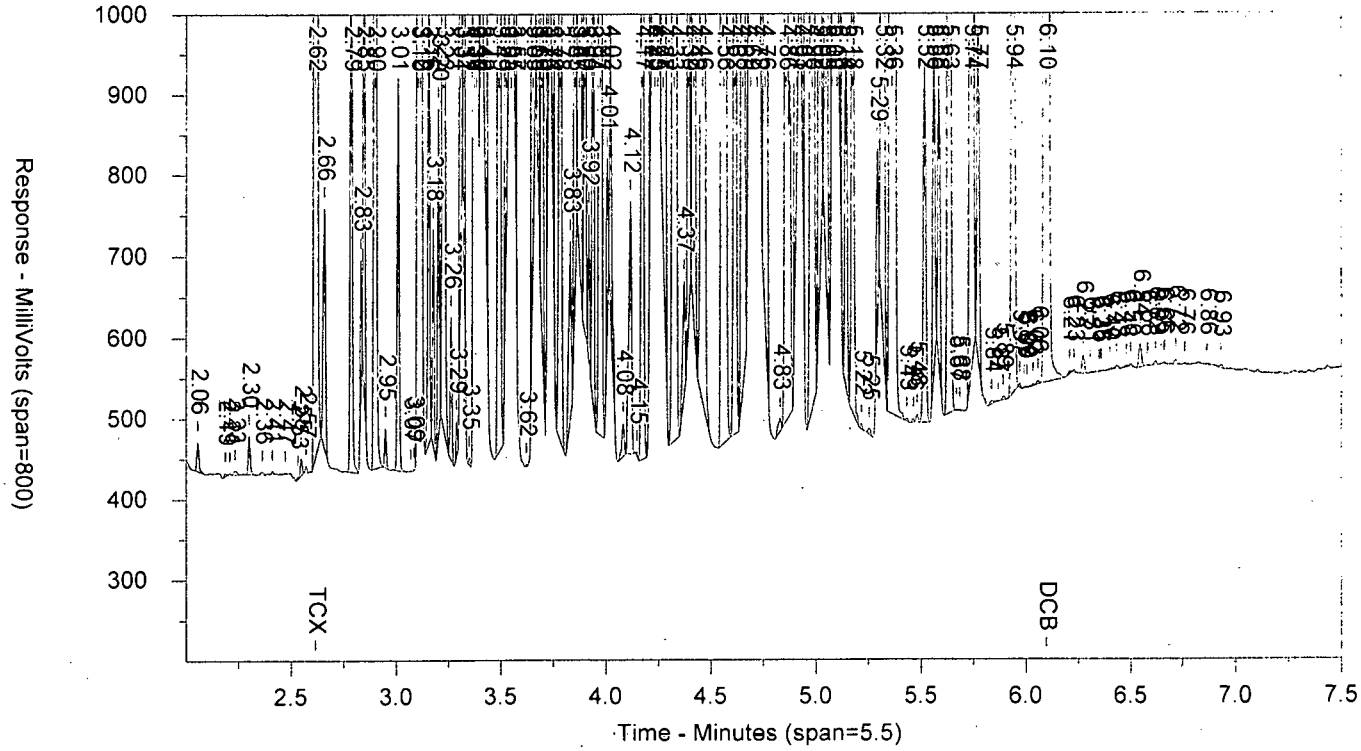


LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 9242 | 9231 |
| 2.082 | | 18735 | 32313 |
| 2.231 | | 1547 | 2462 |
| 2.331 | | 11151 | 7977 |
| 2.366 | | 2911 | 5093 |
| 2.491 | | 7225 | 7769 |
| 2.534 | | 501 | 236 |
| 2.59 | | 3531 | 2405 |
| 2.65 | | 798 | 686 |
| 2.694 | | 348 | 418 |
| 2.714 | | 512 | 273 |
| 2.748 | | 998 | 1183 |
| 2.778 | | 34502 | 35822 |
| 2.896 | | 4921 | 4654 |
| 2.931 | TCX | 274543 | 189827 |
| 3.079 | | 2615 | 3423 |
| 3.127 | | 4446 | 4392 |
| 3.181 | | 12376 | 8699 |
| 3.26 | | 5142 | 6912 |
| 3.327 | | 483 | 330 |
| 3.367 | | 398 | 297 |
| 3.396 | | 34550 | 21344 |
| 3.412 | | 10243 | 5003 |
| 3.449 | | 2429 | 1503 |
| 3.48 | | 938 | 545 |
| 3.51 | | 34228 | 28667 |
| 3.568 | | 561 | 308 |
| 3.602 | | 2390 | 1367 |
| 3.62 | | 5652 | 2907 |
| 3.636 | | 2140 | 923 |
| 3.678 | | 29439 | 15978 |
| 3.689 | | 31682 | 15068 |
| 3.726 | | 42381 | 32460 |
| 3.782 | | 47905 | 37071 |
| 3.824 | | 6184 | 4256 |
| 3.852 | | 83415 | 61263 |
| 3.879 | | 50795 | 39558 |
| 3.901 | | 13445 | 7523 |
| 3.929 | | 2886 | 2238 |
| 3.975 | | 93655 | 68560 |
| 3.998 | | 24778 | 15543 |
| 4.029 | | 31412 | 22571 |
| 4.063 | | 75476 | 71637 |
| 4.102 | | 25021 | 20766 |
| 4.148 | | 1325 | 755 |
| 4.166 | | 4897 | 3056 |
| 4.188 | | 6650 | 4671 |
| 4.222 | | 61194 | 42050 |
| 4.24 | | 79068 | 49241 |
| 4.264 | | 95094 | 74967 |
| 4.335 | | 7351 | 6658 |
| 4.369 | | 62532 | 50142 |
| 4.386 | | 13032 | 8029 |
| 4.411 | | 20927 | 15058 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.45 | | 1067 | 643 |
| 4.475 | | 4275 | 3386 |
| 4.515 | | 25292 | 23284 |
| 4.565 | | 35130 | 30086 |
| 4.596 | | 18414 | 14005 |
| 4.626 | | 61383 | 53332 |
| 4.673 | | 1577 | 1056 |
| 4.708 | | 23034 | 21465 |
| 4.751 | | 7004 | 8029 |
| 4.797 | | 5658 | 5097 |
| 4.838 | | 43276 | 41161 |
| 4.915 | | 3753 | 5593 |
| 4.964 | | 10718 | 20999 |
| 5.033 | | 41238 | 41375 |
| 5.083 | | 1590 | 1257 |
| 5.114 | | 1761 | 2286 |
| 5.153 | | 14301 | 13433 |
| 5.192 | | 999 | 531 |
| 5.22 | | 3053 | 2902 |
| 5.263 | | 1936 | 2052 |
| 5.322 | | 4988 | 6383 |
| 5.358 | | 3824 | 2924 |
| 5.382 | | 3651 | 2848 |
| 5.439 | | 2167 | 2105 |
| 5.477 | | 1589 | 1553 |
| 5.518 | | 1258 | 1235 |
| 5.556 | | 2595 | 2450 |
| 5.617 | | 7352 | 6597 |
| 5.649 | | 5252 | 6263 |
| 5.72 | | 958 | 730 |
| 5.821 | | 7321 | 7999 |
| 5.878 | | 2344 | 3949 |
| 5.921 | | 567 | 134 |
| 5.956 | | 4537 | 6052 |
| 6.014 | | 4711 | 5005 |
| 6.077 | | 5453 | 7426 |
| 6.146 | | 237 | 500 |
| 6.155 | | 578 | 395 |
| 6.207 | | 276 | 861 |
| 6.244 | | 5805 | 7657 |
| 6.283 | | 1534 | 1228 |
| 6.323 | | 497 | 277 |
| 6.408 | | 644 | 2004 |
| 6.428 | | 675 | 726 |
| 6.447 | | 3259 | 3226 |
| 6.51 | | 4163 | 4846 |
| 6.599 | DCB | 252354 | 271502 |
| 6.685 | | 545 | 498 |
| 6.698 | | 758 | 269 |
| 6.778 | | 1173 | 2960 |
| 6.797 | | 623 | 306 |
| 6.833 | | 447 | 961 |
| 6.878 | | 3867 | 8059 |
| 6.931 | | 710 | 528 |
| 6.952 | | 651 | 256 |
| 6.988 | | 239 | 720 |

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

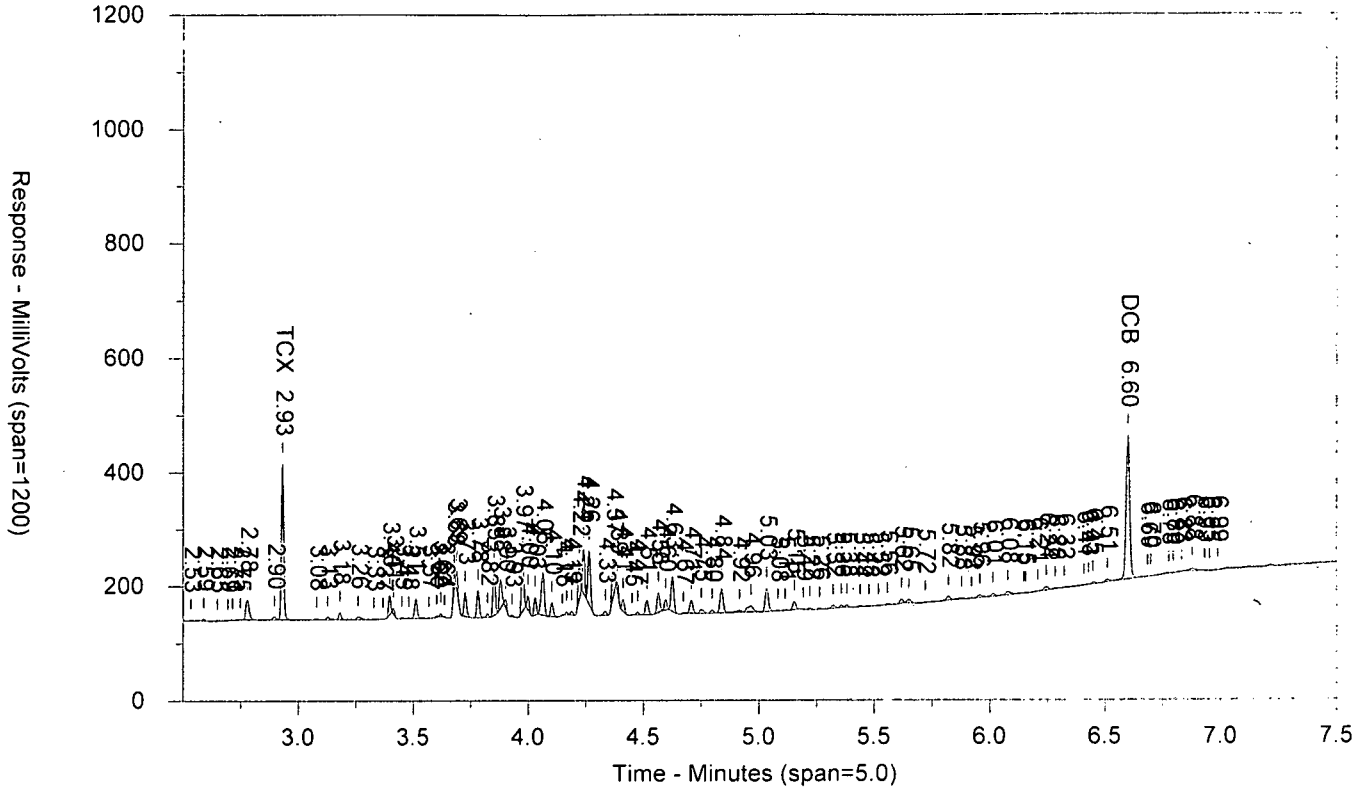
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.157 | | 11969 | 8538 |
| 2.201 | | 1592 | 4534 |
| 2.237 | | 3827 | 4440 |
| 2.359 | | 2247 | 2506 |
| 2.472 | | 3405 | 8544 |
| 2.531 | | 5159 | 1813 |
| 2.548 | | 70790 | 70747 |
| 2.615 | TCX | 490105 | 298108 |
| 2.715 | | 2285 | 2887 |
| 2.786 | | 4752 | 5695 |
| 2.833 | | 9908 | 10232 |
| 2.898 | | 24878 | 15616 |
| 2.983 | | 1589 | 1372 |
| 3.009 | | 5348 | 3557 |
| 3.07 | | 1257 | 803 |
| 3.086 | | 1051 | 342 |
| 3.105 | | 64022 | 31439 |
| 3.115 | | 8054 | 2449 |
| 3.139 | | 755 | 132 |
| 3.157 | | 6153 | 3504 |
| 3.181 | | 4429 | 3612 |
| 3.203 | | 2161 | 989 |
| 3.226 | | 66496 | 43915 |
| 3.264 | | 2484 | 1312 |
| 3.276 | | 814 | 218 |
| 3.293 | | 1059 | 270 |
| 3.309 | | 16063 | 8337 |
| 3.325 | | 7530 | 4057 |
| 3.351 | | 2252 | 1218 |
| 3.375 | | 66151 | 31688 |
| 3.384 | | 72326 | 30333 |
| 3.404 | | 16139 | 6577 |
| 3.418 | | 72073 | 41869 |
| 3.449 | | 1411 | 543 |
| 3.465 | | 635 | 94 |
| 3.471 | | 548 | 109 |
| 3.493 | | 104593 | 67031 |
| 3.528 | | 186943 | 113420 |
| 3.551 | | 162518 | 92800 |
| 3.569 | | 55721 | 28167 |
| 3.592 | | 1150 | 224 |
| 3.635 | | 1057 | 1429 |
| 3.655 | | 220775 | 143380 |
| 3.677 | | 73609 | 39049 |
| 3.698 | | 72283 | 43542 |
| 3.727 | | 32858 | 16767 |
| 3.744 | | 156565 | 93654 |
| 3.785 | | 61703 | 42355 |
| 3.832 | | 11334 | 10222 |
| 3.854 | | 124013 | 77978 |
| 3.877 | | 285148 | 185450 |
| 3.901 | | 198806 | 123842 |
| 3.92 | | 16358 | 7810 |
| 3.941 | | 28580 | 19201 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.975 | | 90350 | 61666 |
| 4.009 | | 129395 | 86591 |
| 4.023 | | 9488 | 2586 |
| 4.037 | | 71926 | 39743 |
| 4.084 | | 13876 | 14534 |
| 4.119 | | 55423 | 41907 |
| 4.151 | | 2581 | 2773 |
| 4.175 | | 87097 | 67215 |
| 4.208 | | 54190 | 35643 |
| 4.235 | | 135683 | 104031 |
| 4.272 | | 3248 | 2735 |
| 4.328 | | 59225 | 57472 |
| 4.364 | | 13173 | 10414 |
| 4.396 | | 83593 | 59878 |
| 4.42 | | 5034 | 2565 |
| 4.463 | | 15217 | 10418 |
| 4.488 | | 6561 | 4517 |
| 4.562 | | 18312 | 18890 |
| 4.613 | | 82461 | 63605 |
| 4.653 | | 4651 | 4834 |
| 4.692 | | 21369 | 18808 |
| 4.724 | | 4373 | 4038 |
| 4.761 | | 3741 | 3072 |
| 4.809 | | 1465 | 578 |
| 4.836 | | 1320 | 1236 |
| 4.884 | | 837 | 1673 |
| 4.91 | | 7720 | 5530 |
| 4.935 | | 7905 | 6034 |
| 4.965 | | 1761 | 1077 |
| 5.023 | | 2782 | 4480 |
| 5.051 | | 2527 | 2101 |
| 5.084 | | 2797 | 1985 |
| 5.104 | | 14282 | 11828 |
| 5.176 | | 5296 | 4724 |
| 5.232 | | 890 | 636 |
| 5.252 | | 2224 | 2808 |
| 5.317 | | 5929 | 10604 |
| 5.365 | | 12408 | 13673 |
| 5.41 | | 959 | 350 |
| 5.517 | | 13034 | 23771 |
| 5.586 | | 13250 | 17673 |
| 5.635 | | 5517 | 6023 |
| 5.667 | | 963 | 198 |
| 5.7 | | 1062 | 1666 |
| 5.741 | | 7391 | 9462 |
| 5.803 | | 1593 | 590 |
| 5.883 | | 562 | 8888 |
| 5.911 | | 896 | 313 |
| 5.941 | | 10161 | 9536 |
| 6.005 | | 3962 | 4071 |
| 6.054 | | 2295 | 2153 |
| 6.098 | DCB | 773056 | 681331 |
| 6.153 | | 2970 | 4560 |
| 6.216 | | 7170 | 14310 |
| 6.282 | | 2325 | 2119 |
| 6.313 | | 1213 | 857 |
| 6.344 | | 1036 | 423 |
| 6.368 | | 1039 | 255 |
| 6.402 | | 2396 | 2306 |
| 6.431 | | 1335 | 432 |
| 6.477 | | 1828 | 1873 |
| 6.512 | | 2123 | 3096 |
| 6.549 | | 2284 | 2416 |
| 6.579 | | 1484 | 915 |
| 6.666 | | 1838 | 2354 |
| 6.759 | | 1604 | 3058 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.83 | | 1106 | 903 |
| 6.86 | | 1283 | 6648 |

AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.013.RAW

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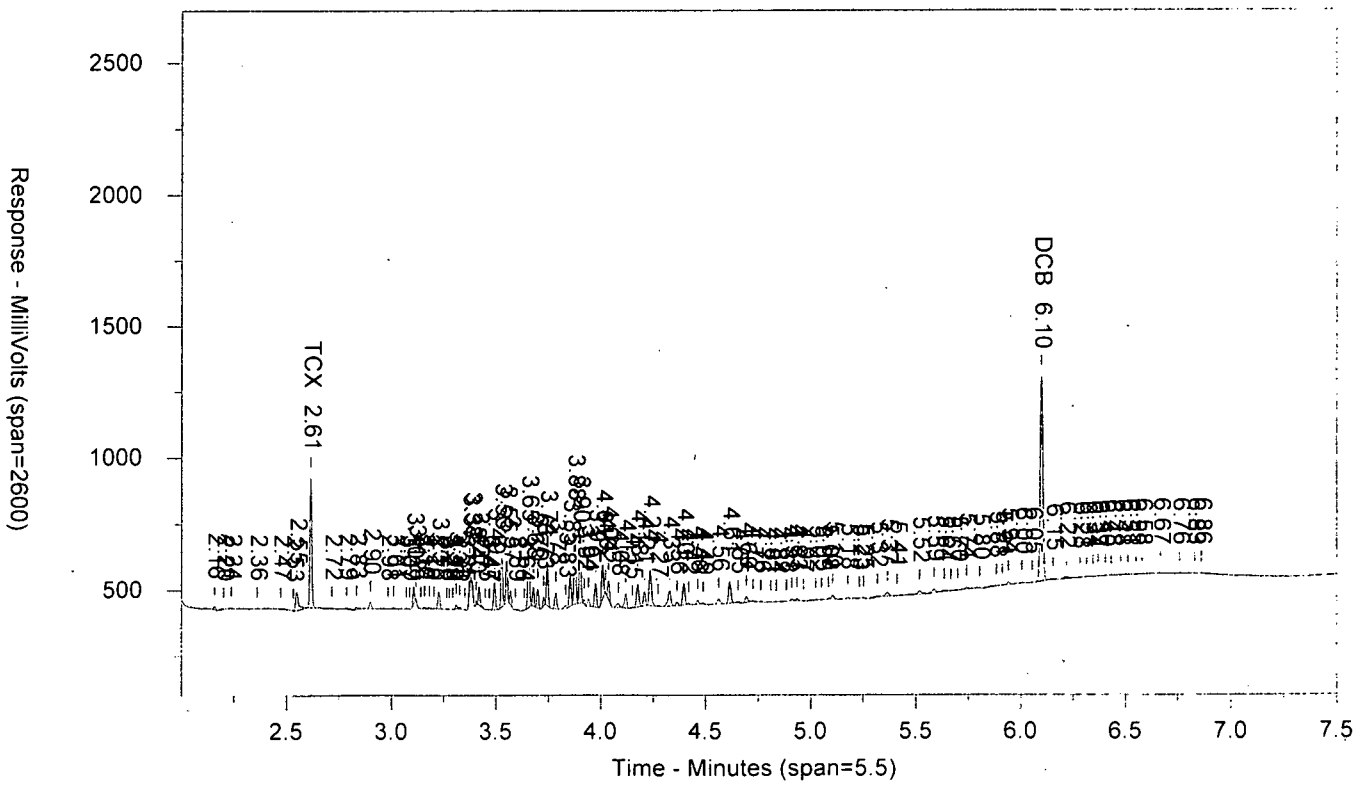


LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

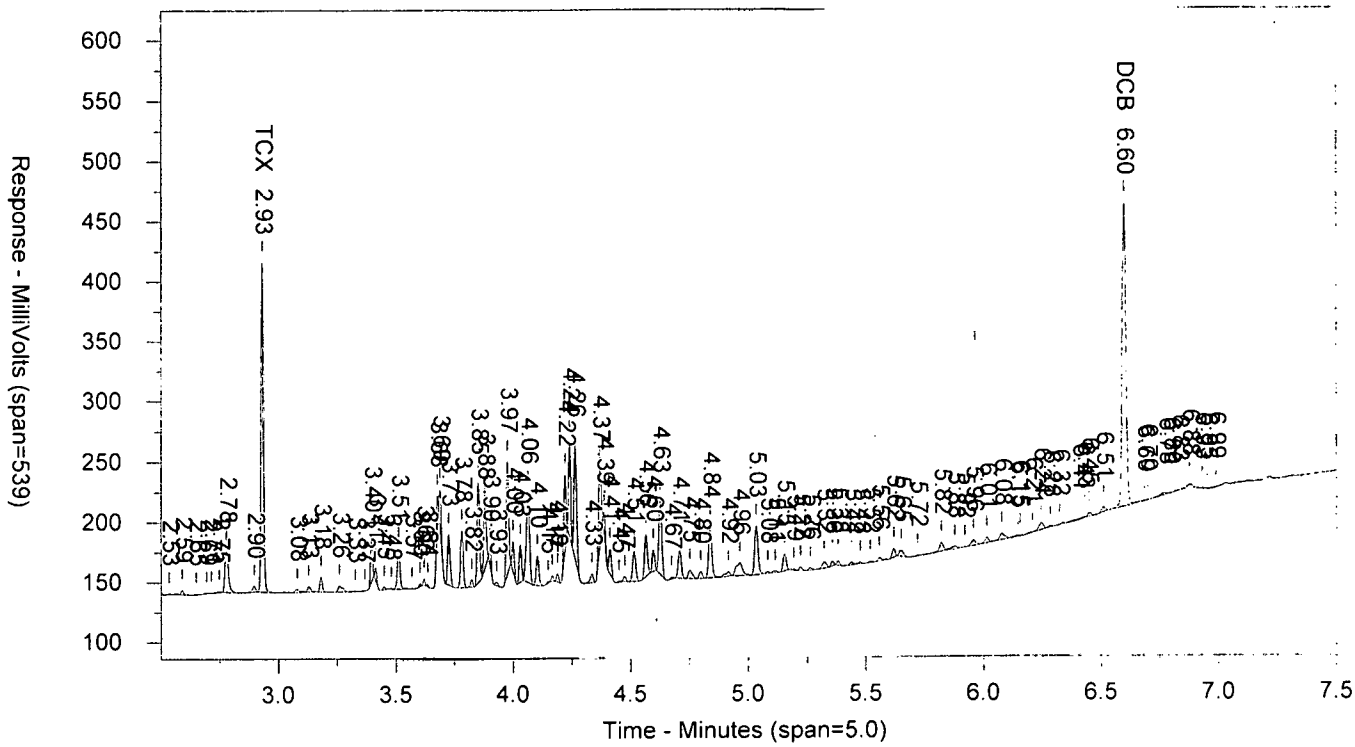
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 274543 | 1.872 | TCX | 2.615 | 490105 | 1.842 | TCX |
| 6.599 | 252354 | 2.209 | DCB | 6.098 | 773056 | 2.088 | DCB |

Files:
Area File: 25PCBs17289001.013.RAW
Area File: 25PCBs17289001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:07:40 PM
File Reported On: 10/16/2017 at 9:07:51 PM

AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.013.RAW

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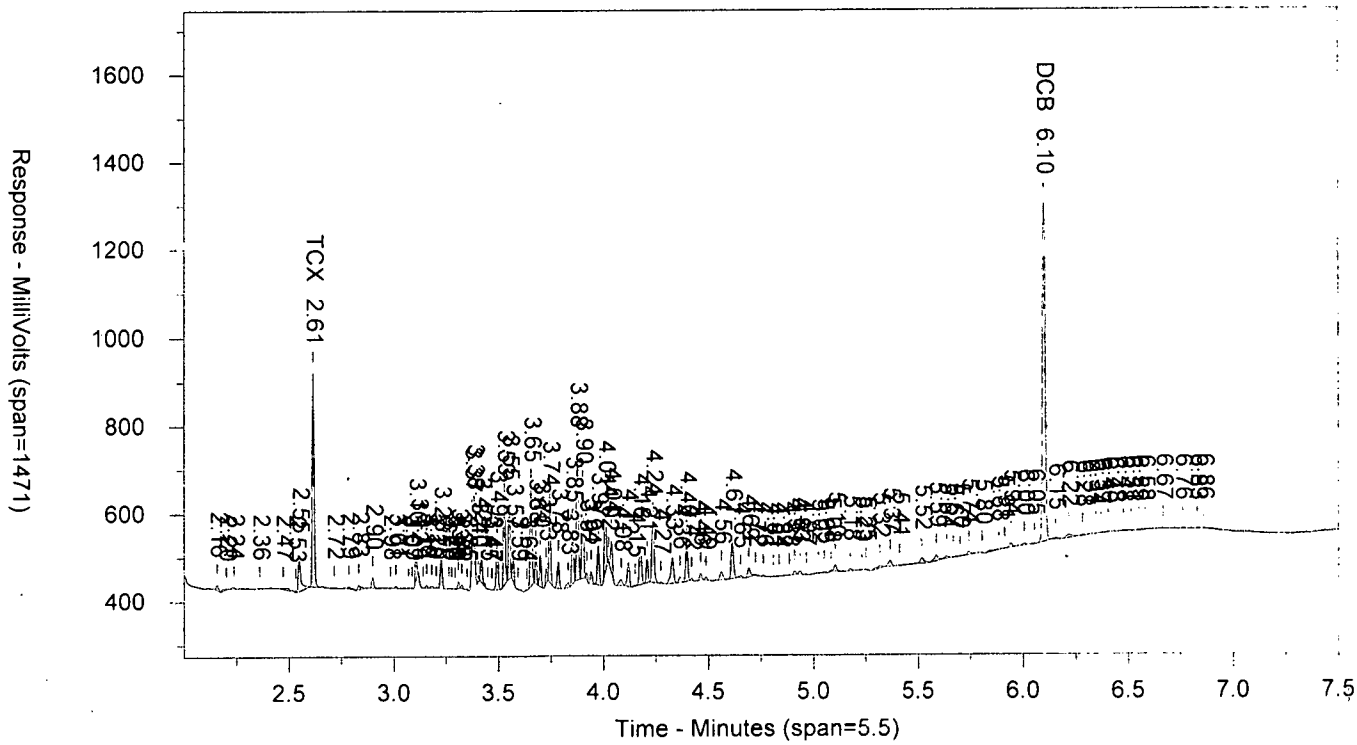
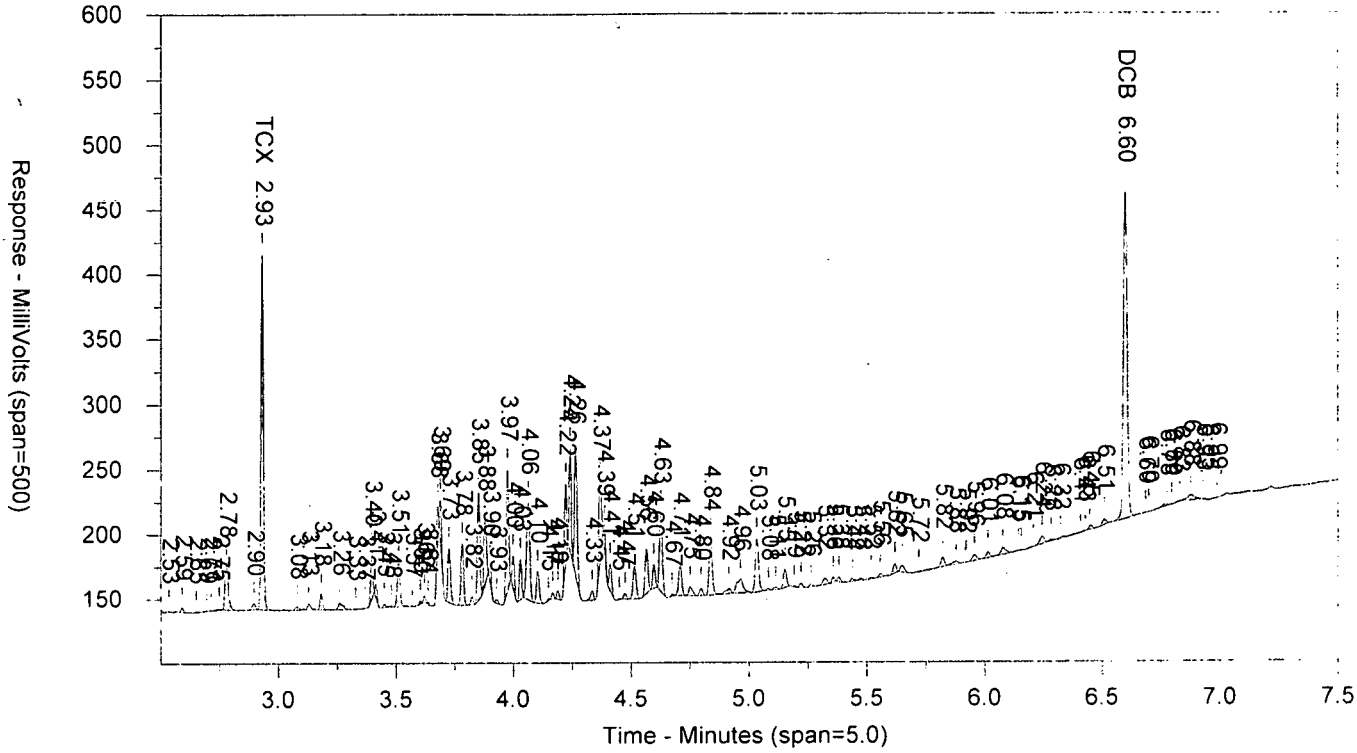


AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.013.RAW

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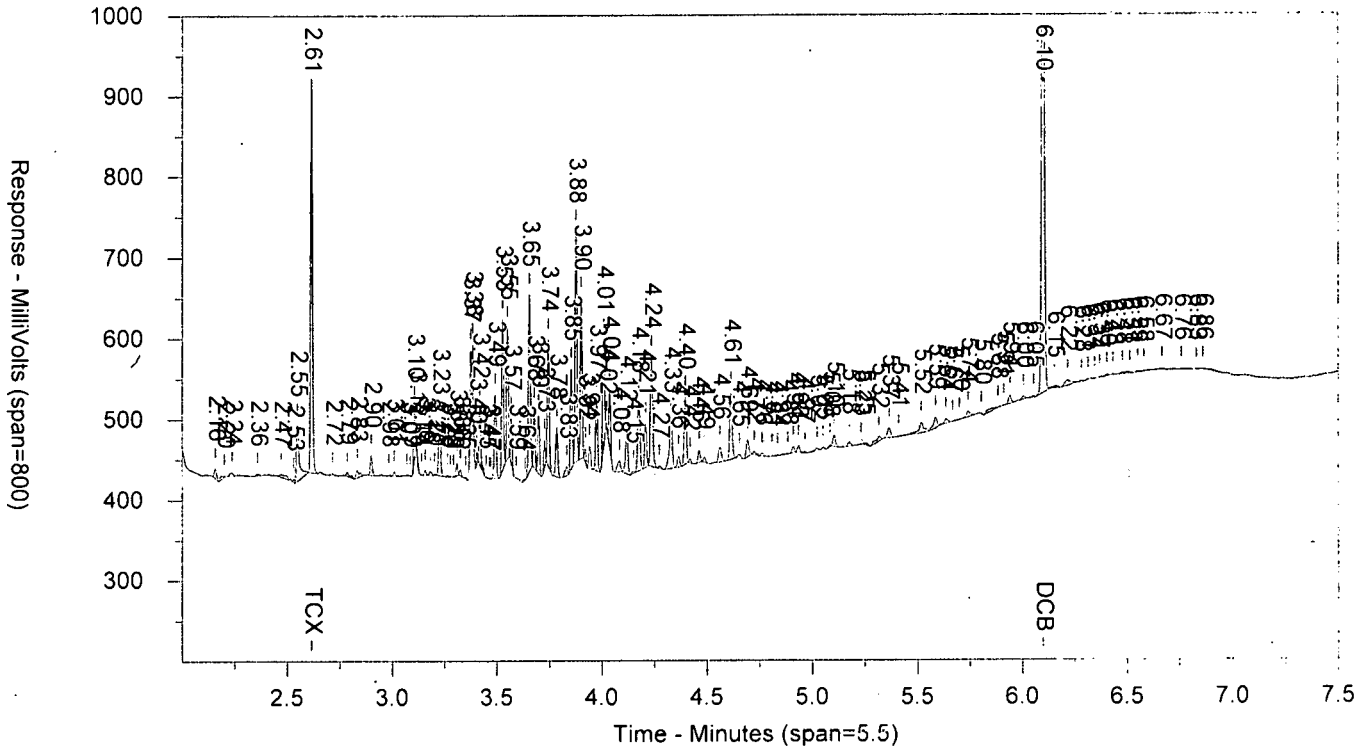


LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.01 | | 459 | 162 |
| 2.036 | | 10428 | 10719 |
| 2.087 | | 7417 | 14276 |
| 2.231 | | 3241 | 3637 |
| 2.298 | | 476 | 443 |
| 2.33 | | 70211 | 48854 |
| 2.367 | | 2606 | 2395 |
| 2.49 | | 8406 | 10894 |
| 2.535 | | 5031 | 4427 |
| 2.569 | | 590 | 356 |
| 2.607 | | 1370 | 858 |
| 2.659 | | 1371 | 1424 |
| 2.711 | | 565 | 632 |
| 2.743 | | 1429 | 2174 |
| 2.778 | | 12060 | 10640 |
| 2.85 | | 683 | 431 |
| 2.877 | | 599 | 413 |
| 2.894 | | 4626 | 3737 |
| 2.931 | TCX | 596438 | 413126 |
| 3.019 | | 3175 | 2616 |
| 3.078 | | 4049 | 4593 |
| 3.128 | | 9275 | 8438 |
| 3.18 | | 24132 | 17355 |
| 3.261 | | 2731 | 1907 |
| 3.272 | | 2568 | 1299 |
| 3.339 | | 524 | 602 |
| 3.366 | | 336 | 235 |
| 3.396 | | 69720 | 42940 |
| 3.413 | | 19177 | 9873 |
| 3.449 | | 4894 | 2796 |
| 3.477 | | 1365 | 698 |
| 3.511 | | 68387 | 53940 |
| 3.568 | | 1369 | 685 |
| 3.586 | | 635 | 254 |
| 3.602 | | 1965 | 977 |
| 3.62 | | 11498 | 6233 |
| 3.634 | | 3147 | 1587 |
| 3.678 | | 59708 | 31879 |
| 3.689 | | 60873 | 30323 |
| 3.725 | | 85760 | 64791 |
| 3.782 | | 96540 | 74293 |
| 3.824 | | 12621 | 8931 |
| 3.852 | | 156075 | 118265 |
| 3.879 | | 98798 | 78902 |
| 3.901 | | 29042 | 15107 |
| 3.929 | | 3001 | 2280 |
| 3.975 | | 178297 | 133515 |
| 3.998 | | 50903 | 32468 |
| 4.03 | | 63387 | 44444 |
| 4.063 | | 151610 | 141525 |
| 4.102 | | 50190 | 40714 |
| 4.149 | | 2571 | 1673 |
| 4.167 | | 4244 | 2446 |
| 4.189 | | 14646 | 10510 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.221 | | 113733 | 79853 |
| 4.241 | | 145614 | 92769 |
| 4.264 | | 172861 | 137657 |
| 4.335 | | 14853 | 13639 |
| 4.368 | | 163533 | 251674 |
| 4.411 | | 44485 | 30795 |
| 4.452 | | 2000 | 1468 |
| 4.473 | | 9143 | 6776 |
| 4.515 | | 49193 | 44208 |
| 4.564 | | 72798 | 61658 |
| 4.596 | | 37866 | 28476 |
| 4.625 | | 116865 | 105785 |
| 4.676 | | 2022 | 1417 |
| 4.708 | | 44617 | 41946 |
| 4.752 | | 11133 | 13317 |
| 4.796 | | 10964 | 10472 |
| 4.837 | | 82674 | 78927 |
| 4.916 | | 7138 | 9658 |
| 4.95 | | 2565 | 1937 |
| 4.963 | | 6353 | 5236 |
| 5.033 | | 79299 | 79921 |
| 5.082 | | 2051 | 1634 |
| 5.111 | | 2582 | 3557 |
| 5.153 | | 21631 | 19227 |
| 5.175 | | 1017 | 448 |
| 5.19 | | 1351 | 943 |
| 5.22 | | 3459 | 3220 |
| 5.26 | | 2060 | 1920 |
| 5.323 | | 5745 | 7091 |
| 5.359 | | 6547 | 5188 |
| 5.381 | | 3626 | 2551 |
| 5.44 | | 2039 | 1844 |
| 5.474 | | 975 | 743 |
| 5.517 | | 1598 | 1807 |
| 5.558 | | 3694 | 3409 |
| 5.581 | | 469 | 344 |
| 5.617 | | 7610 | 6675 |
| 5.646 | | 5599 | 7249 |
| 5.726 | | 421 | 518 |
| 5.767 | | 605 | 614 |
| 5.822 | | 6904 | 6766 |
| 5.877 | | 2614 | 3942 |
| 5.957 | | 4999 | 7459 |
| 6.013 | | 5807 | 5666 |
| 6.048 | | 444 | 195 |
| 6.078 | | 5601 | 7400 |
| 6.154 | | 569 | 1049 |
| 6.173 | | 283 | 170 |
| 6.244 | | 6868 | 9115 |
| 6.279 | | 1318 | 1237 |
| 6.337 | | 188 | 657 |
| 6.366 | | 435 | 447 |
| 6.43 | | 575 | 127 |
| 6.45 | | 5977 | 6480 |
| 6.509 | | 5230 | 7471 |
| 6.599 | DCB | 490149 | 535119 |
| 6.67 | | 577 | 379 |
| 6.771 | | 2193 | 3681 |
| 6.821 | | 807 | 247 |
| 6.883 | | 4052 | 7247 |
| 6.909 | | 924 | 1369 |
| 6.982 | | 357 | 173 |
| 6.99 | | 541 | 152 |

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

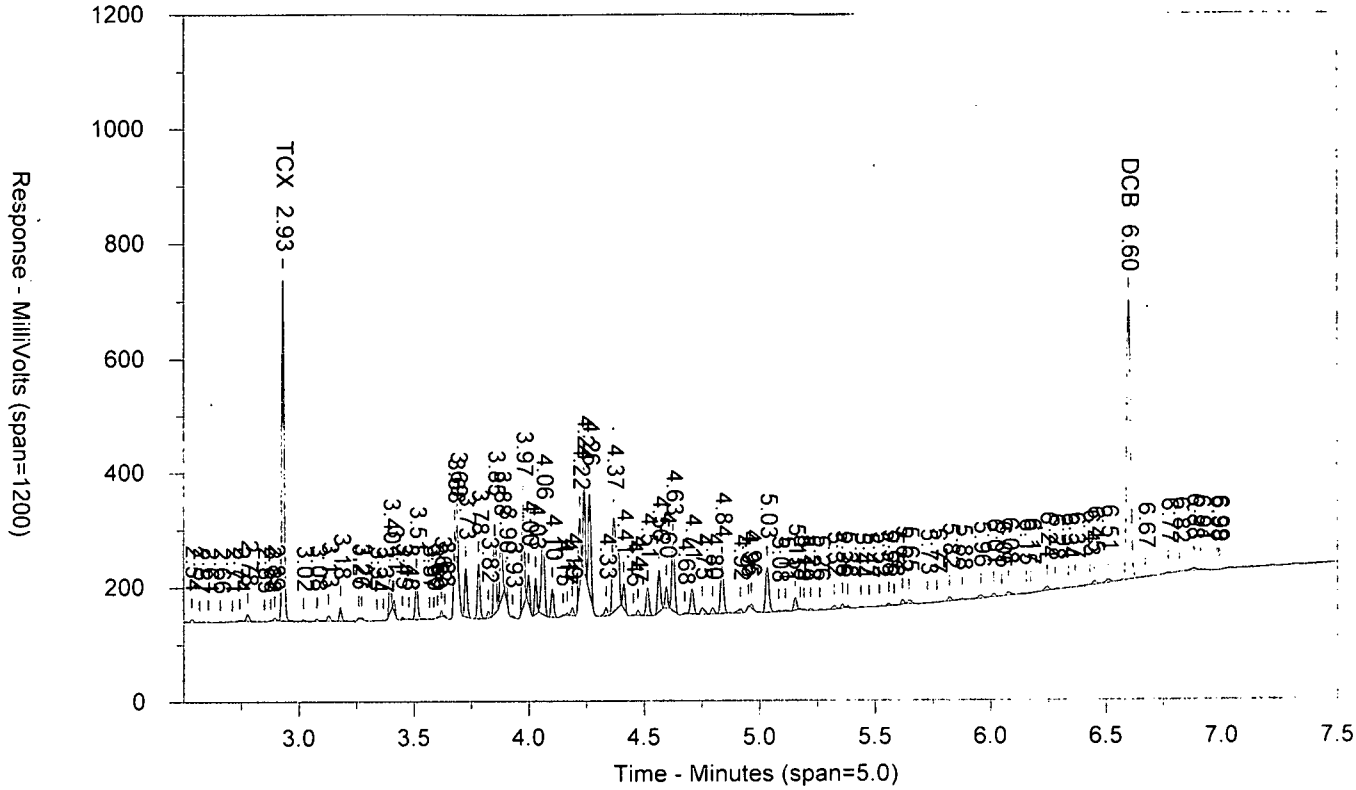
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.119 | | 14975 | 39608 |
| 2.156 | | 13770 | 10902 |
| 2.206 | | 6158 | 9507 |
| 2.235 | | 7775 | 7147 |
| 2.323 | | 3140 | 2246 |
| 2.362 | | 2766 | 2909 |
| 2.411 | | 2924 | 3242 |
| 2.47 | | 1620 | 1348 |
| 2.534 | | 5680 | 6654 |
| 2.547 | | 21914 | 19781 |
| 2.615 | TCX | 1047327 | 629970 |
| 2.703 | | 9069 | 8749 |
| 2.785 | | 9012 | 9626 |
| 2.832 | | 19240 | 22344 |
| 2.899 | | 47125 | 28680 |
| 2.948 | | 2983 | 2206 |
| 2.987 | | 1672 | 1141 |
| 3.01 | | 11363 | 7110 |
| 3.064 | | 548 | 95 |
| 3.069 | | 642 | 98 |
| 3.076 | | 1038 | 270 |
| 3.105 | | 113846 | 58147 |
| 3.116 | | 16304 | 6150 |
| 3.157 | | 11575 | 6609 |
| 3.181 | | 5536 | 3588 |
| 3.203 | | 4090 | 2496 |
| 3.227 | | 128998 | 85862 |
| 3.264 | | 3831 | 2106 |
| 3.282 | | 529 | 131 |
| 3.292 | | 3408 | 1370 |
| 3.31 | | 28893 | 15321 |
| 3.326 | | 13339 | 6790 |
| 3.351 | | 4265 | 2523 |
| 3.375 | | 130719 | 63623 |
| 3.385 | | 149494 | 58964 |
| 3.405 | | 29235 | 11940 |
| 3.419 | | 132752 | 77649 |
| 3.451 | | 1655 | 490 |
| 3.493 | | 204864 | 126325 |
| 3.528 | | 345423 | 215363 |
| 3.551 | | 316568 | 176005 |
| 3.569 | | 111384 | 55497 |
| 3.633 | | 1250 | 1706 |
| 3.655 | | 421718 | 272269 |
| 3.678 | | 138306 | 75878 |
| 3.698 | | 145514 | 85513 |
| 3.727 | | 63567 | 32858 |
| 3.744 | | 304793 | 179871 |
| 3.784 | | 122698 | 82735 |
| 3.833 | | 22372 | 18879 |
| 3.854 | | 243793 | 149183 |
| 3.877 | | 557245 | 354452 |
| 3.901 | | 389400 | 241546 |
| 3.921 | | 33933 | 15739 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.941 | | 45218 | 28356 |
| 3.975 | | 176678 | 119966 |
| 4.009 | | 276124 | 222409 |
| 4.037 | | 142366 | 77510 |
| 4.083 | | 25061 | 22087 |
| 4.119 | | 105226 | 77328 |
| 4.147 | | 2510 | 1979 |
| 4.176 | | 169613 | 129422 |
| 4.208 | | 102451 | 70326 |
| 4.236 | | 264554 | 194861 |
| 4.275 | | 4511 | 4271 |
| 4.328 | | 108841 | 102543 |
| 4.364 | | 25638 | 17885 |
| 4.396 | | 154981 | 116471 |
| 4.419 | | 5650 | 3356 |
| 4.463 | | 23622 | 15414 |
| 4.488 | | 11732 | 8644 |
| 4.561 | | 27902 | 27777 |
| 4.613 | | 150407 | 123191 |
| 4.653 | | 6371 | 5647 |
| 4.692 | | 38020 | 32664 |
| 4.724 | | 3471 | 1651 |
| 4.738 | | 2815 | 1430 |
| 4.762 | | 5006 | 3806 |
| 4.814 | | 916 | 586 |
| 4.837 | | 850 | 551 |
| 4.863 | | 1277 | 792 |
| 4.879 | | 1713 | 1175 |
| 4.912 | | 7561 | 5751 |
| 4.937 | | 14368 | 13668 |
| 5.02 | | 3250 | 4460 |
| 5.055 | | 2667 | 2601 |
| 5.083 | | 5694 | 3707 |
| 5.105 | | 15371 | 12502 |
| 5.145 | | 985 | 597 |
| 5.178 | | 5586 | 5310 |
| 5.208 | | 1140 | 790 |
| 5.255 | | 3799 | 6004 |
| 5.319 | | 7790 | 13686 |
| 5.363 | | 13356 | 14168 |
| 5.428 | | 812 | 577 |
| 5.445 | | 779 | 299 |
| 5.484 | | 589 | 1481 |
| 5.519 | | 14859 | 17771 |
| 5.586 | | 14327 | 17410 |
| 5.637 | | 5696 | 5857 |
| 5.696 | | 834 | 1419 |
| 5.742 | | 8179 | 8693 |
| 5.797 | | 3125 | 4474 |
| 5.846 | | 661 | 2751 |
| 5.873 | | 1104 | 1425 |
| 5.939 | | 17249 | 15649 |
| 6.005 | | 3664 | 4084 |
| 6.052 | | 3455 | 2728 |
| 6.097 | DCB | 1586564 | 1346168 |
| 6.168 | | 4373 | 4466 |
| 6.215 | | 4739 | 5229 |
| 6.273 | | 965 | 480 |
| 6.31 | | 2801 | 2372 |
| 6.357 | | 1130 | 706 |
| 6.399 | | 2119 | 2745 |
| 6.439 | | 1163 | 1457 |
| 6.483 | | 1778 | 1075 |
| 6.51 | | 2107 | 1805 |
| 6.546 | | 2420 | 2276 |
| 6.58 | | 1021 | 546 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.624 | | 996 | 1090 |
| 6.665 | | 1605 | 2699 |
| 6.73 | | 1596 | 1149 |
| 6.766 | | 1973 | 1662 |
| 6.808 | | 1304 | 547 |
| 6.869 | | 1533 | 1028 |
| 6.914 | | 1500 | 2322 |

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.014.RAW

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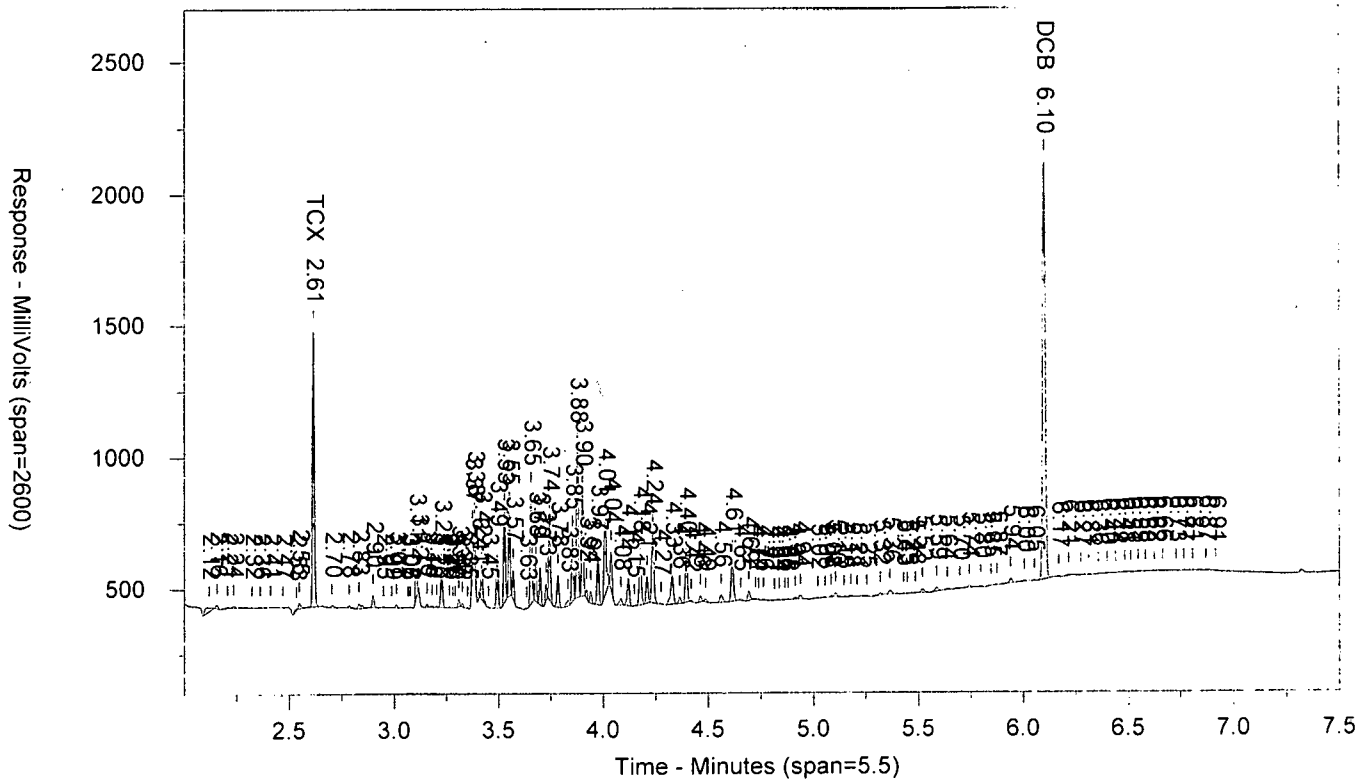


LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

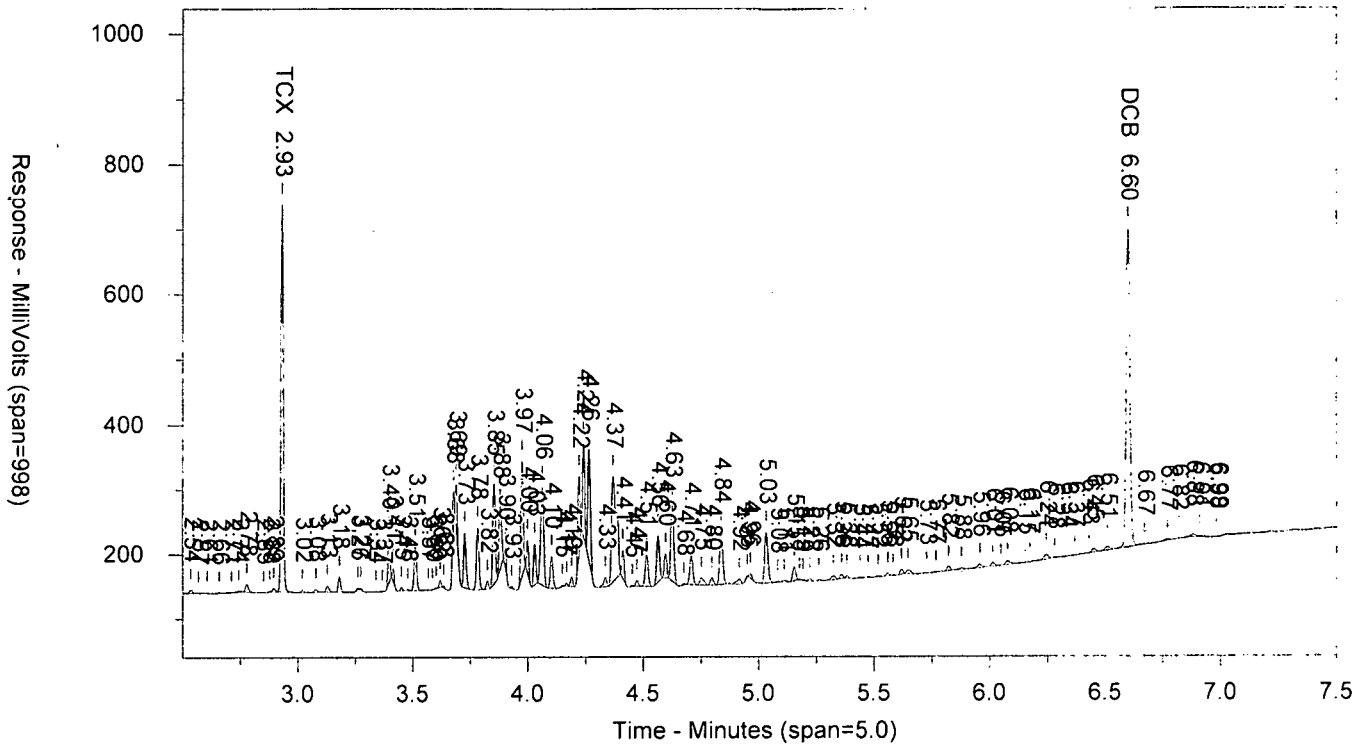
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 596438 | 4.066 | TCX | 2.615 | 1047327 | 3.936 | TCX |
| 6.599 | 490149 | 4.29 | DCB | 6.097 | 1586564 | 4.285 | DCB |

Files:
Area File: 25PCBs17289001.014.RAW
Area File: 25PCBs17289001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:18:58 PM
File Reported On: 10/16/2017 at 9:19:11 PM

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.014.RAW

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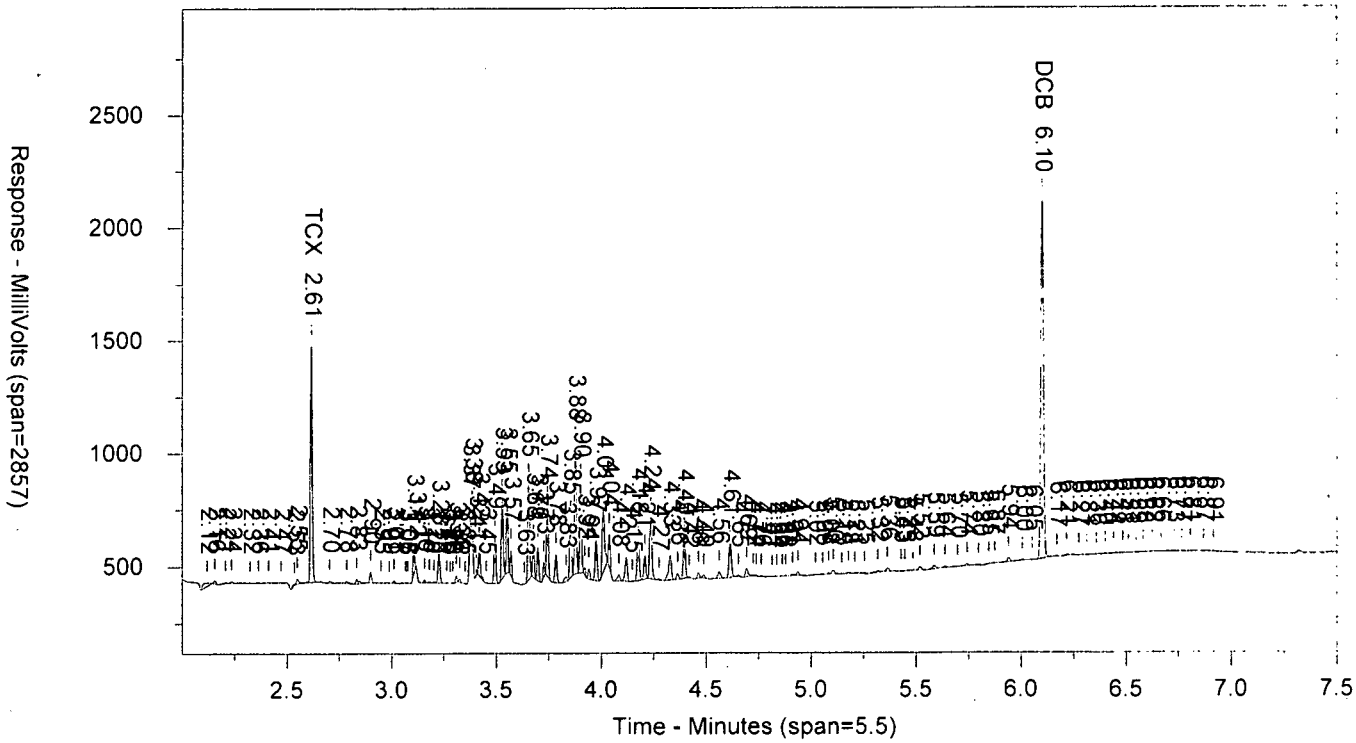

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

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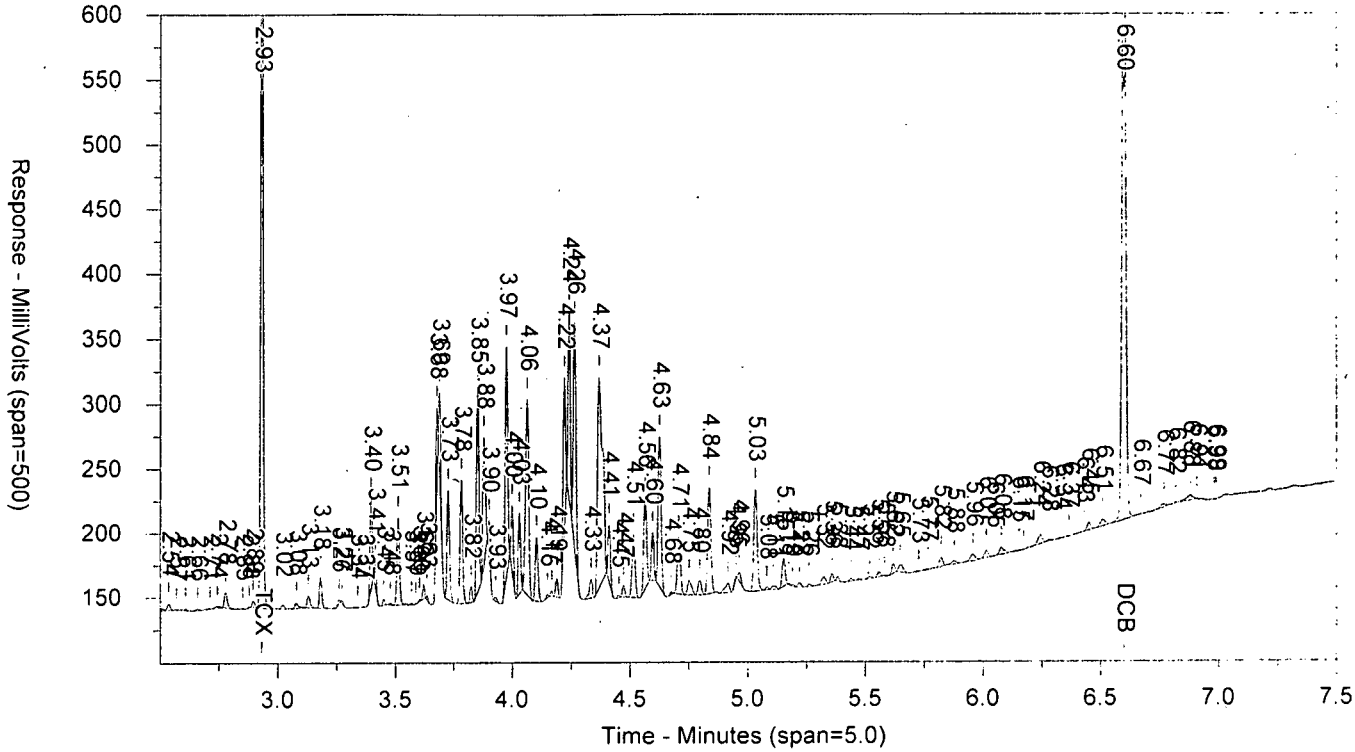


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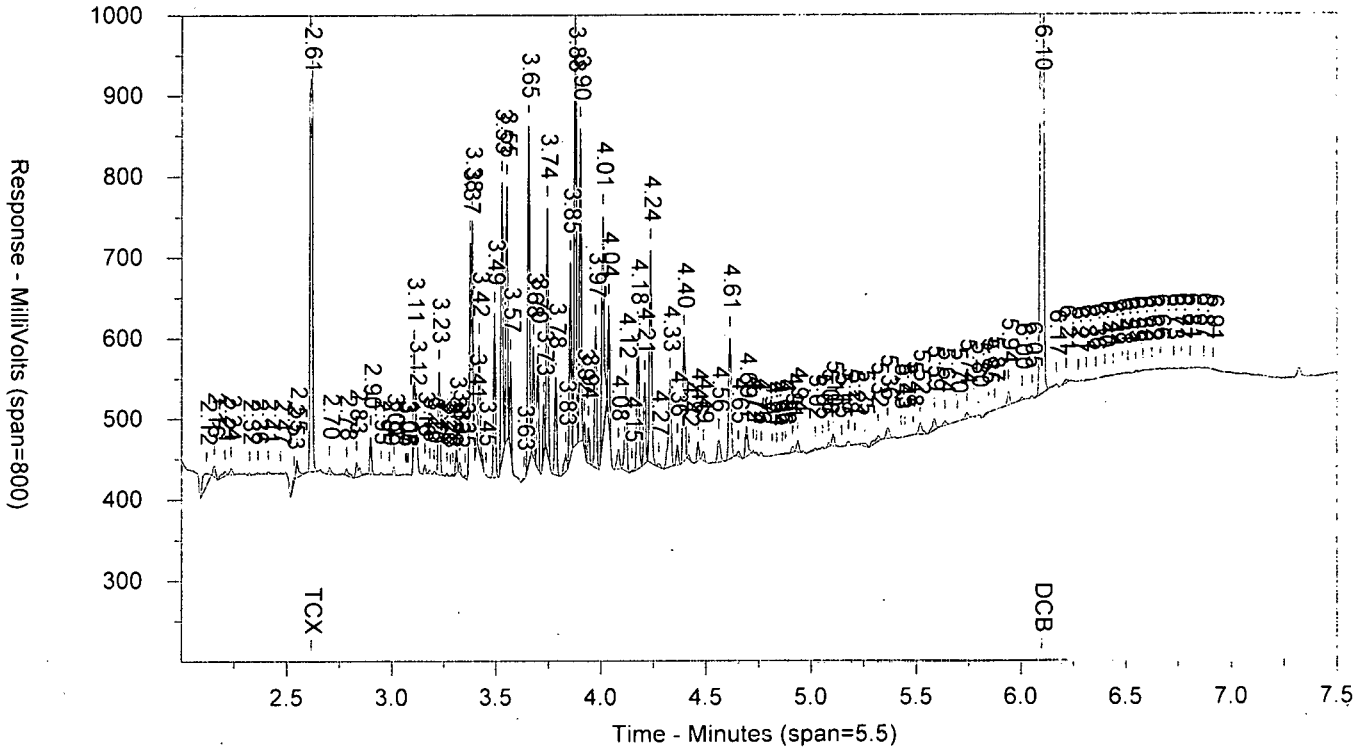


LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.012 | | 341 | 249 |
| 2.036 | | 11504 | 11632 |
| 2.083 | | 12707 | 27877 |
| 2.165 | | 1564 | 1517 |
| 2.231 | | 12815 | 10689 |
| 2.3 | | 428 | 195 |
| 2.33 | | 16662 | 14239 |
| 2.368 | | 2292 | 2266 |
| 2.49 | | 8450 | 9047 |
| 2.532 | | 827 | 732 |
| 2.568 | | 1066 | 820 |
| 2.59 | | 7124 | 4812 |
| 2.652 | | 838 | 767 |
| 2.75 | | 1051 | 1873 |
| 2.778 | | 23178 | 22152 |
| 2.839 | | 599 | 567 |
| 2.895 | | 5921 | 4967 |
| 2.93 | TCX | 2886424 | 1968796 |
| 3.029 | | 1017 | 829 |
| 3.078 | | 7752 | 7215 |
| 3.127 | | 37123 | 29486 |
| 3.18 | | 44360 | 32453 |
| 3.258 | | 7252 | 4159 |
| 3.273 | | 5709 | 3068 |
| 3.325 | | 510 | 580 |
| 3.396 | | 130765 | 82539 |
| 3.413 | | 37889 | 18861 |
| 3.45 | | 9787 | 5824 |
| 3.465 | | 747 | 244 |
| 3.476 | | 2256 | 1281 |
| 3.511 | | 129552 | 102728 |
| 3.568 | | 6512 | 3944 |
| 3.586 | | 1276 | 586 |
| 3.603 | | 1769 | 891 |
| 3.62 | | 23753 | 13482 |
| 3.635 | | 5967 | 2873 |
| 3.678 | | 105853 | 61202 |
| 3.689 | | 115676 | 59093 |
| 3.726 | | 159661 | 125562 |
| 3.782 | | 182079 | 142026 |
| 3.824 | | 25158 | 17775 |
| 3.852 | | 294444 | 218586 |
| 3.879 | | 178002 | 144422 |
| 3.901 | | 52873 | 29386 |
| 3.927 | | 2578 | 2022 |
| 3.975 | | 337334 | 246332 |
| 3.998 | | 92054 | 59743 |
| 4.03 | | 115920 | 85351 |
| 4.063 | | 277860 | 266735 |
| 4.103 | | 99620 | 80016 |
| 4.15 | | 6866 | 5218 |
| 4.165 | | 2148 | 1136 |
| 4.189 | | 29053 | 21437 |
| 4.222 | | 215160 | 149533 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.241 | | 281014 | 180075 |
| 4.264 | | 326585 | 255776 |
| 4.335 | | 29030 | 26671 |
| 4.369 | | 213368 | 177836 |
| 4.386 | | 52154 | 32097 |
| 4.411 | | 81318 | 57355 |
| 4.452 | | 4337 | 2779 |
| 4.473 | | 17336 | 13176 |
| 4.515 | | 95052 | 87117 |
| 4.566 | | 135801 | 118778 |
| 4.597 | | 76485 | 58045 |
| 4.626 | | 224089 | 202308 |
| 4.676 | | 4140 | 2976 |
| 4.709 | | 85600 | 83148 |
| 4.752 | | 21608 | 25493 |
| 4.798 | | 22259 | 20405 |
| 4.838 | | 159655 | 151798 |
| 4.872 | | 2659 | 1885 |
| 4.917 | | 14339 | 18538 |
| 4.951 | | 6641 | 5247 |
| 4.963 | | 7255 | 5765 |
| 4.997 | | 1250 | 973 |
| 5.034 | | 157056 | 156119 |
| 5.083 | | 3958 | 2862 |
| 5.112 | | 8356 | 9486 |
| 5.154 | | 40381 | 36674 |
| 5.175 | | 1643 | 804 |
| 5.194 | | 2504 | 1465 |
| 5.221 | | 6613 | 5973 |
| 5.262 | | 3423 | 3356 |
| 5.323 | | 6527 | 7896 |
| 5.359 | | 13222 | 10719 |
| 5.383 | | 5389 | 4133 |
| 5.438 | | 3328 | 2900 |
| 5.474 | | 1883 | 2260 |
| 5.517 | | 5740 | 5735 |
| 5.557 | | 7217 | 6682 |
| 5.583 | | 1159 | 742 |
| 5.619 | | 12455 | 10445 |
| 5.644 | | 12793 | 13432 |
| 5.722 | | 416 | 437 |
| 5.76 | | 531 | 567 |
| 5.779 | | 414 | 96 |
| 5.822 | | 12197 | 11861 |
| 5.852 | | 629 | 285 |
| 5.878 | | 4181 | 5040 |
| 5.957 | | 5747 | 7865 |
| 6.014 | | 26916 | 26790 |
| 6.077 | | 27053 | 33093 |
| 6.145 | | 457 | 128 |
| 6.181 | | 540 | 365 |
| 6.215 | | 533 | 187 |
| 6.247 | | 10194 | 11888 |
| 6.285 | | 839 | 791 |
| 6.321 | | 678 | 638 |
| 6.361 | | 505 | 394 |
| 6.386 | | 796 | 1008 |
| 6.451 | | 25193 | 26627 |
| 6.509 | | 5940 | 7123 |
| 6.599 | DCB | 2140506 | 2300923 |
| 6.685 | | 762 | 420 |
| 6.736 | | 638 | 806 |
| 6.771 | | 2722 | 4153 |
| 6.801 | | 620 | 176 |
| 6.837 | | 767 | 1354 |
| 6.878 | | 4220 | 11290 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.967 | | 412 | 208 |

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

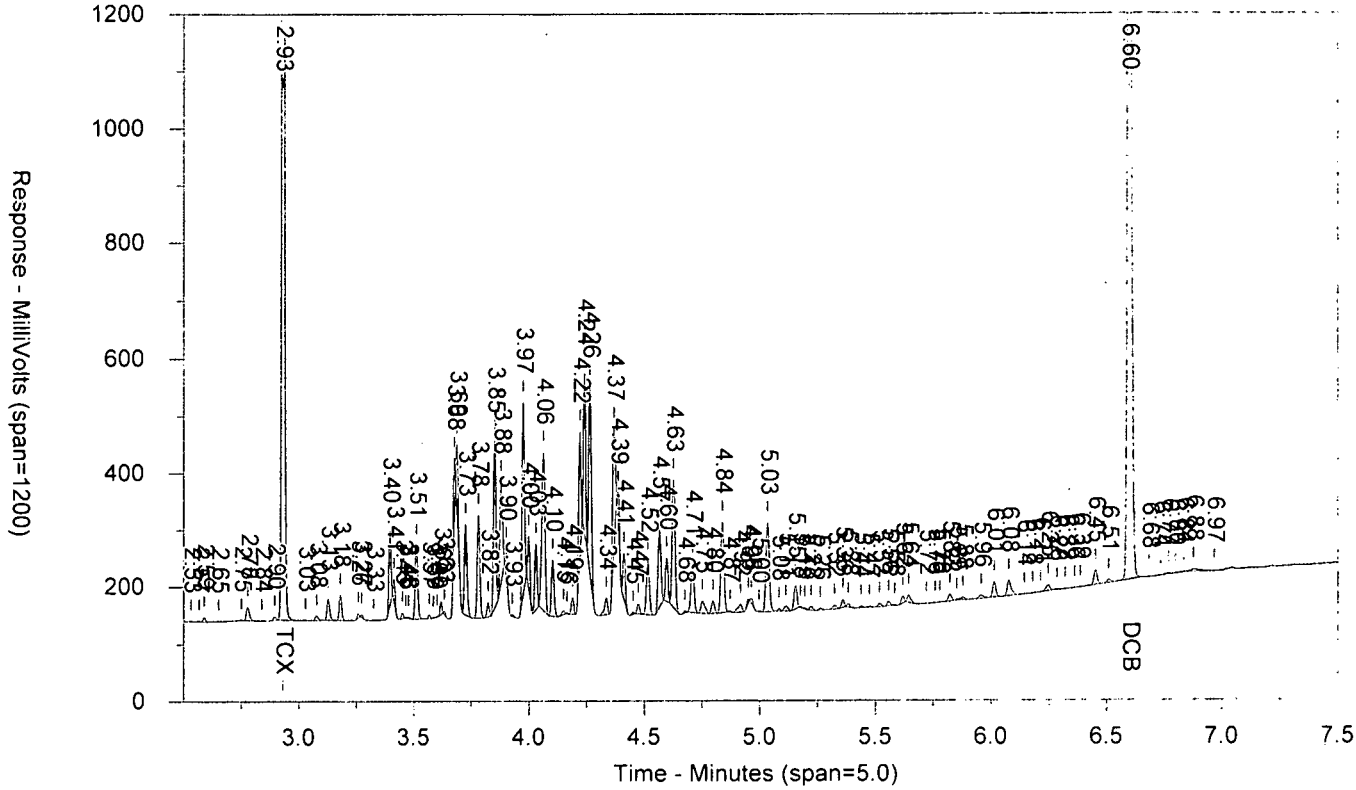
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 9885 | 7344 |
| 2.158 | | 21334 | 14326 |
| 2.194 | | 5027 | 8194 |
| 2.234 | | 4414 | 5059 |
| 2.296 | | 1593 | 1718 |
| 2.355 | | 2758 | 2592 |
| 2.471 | | 10318 | 40652 |
| 2.533 | | 5997 | 4697 |
| 2.548 | | 42919 | 40775 |
| 2.615 | TCX | 5065653 | 3010951 |
| 2.659 | | 5586 | 2715 |
| 2.714 | | 2854 | 4021 |
| 2.785 | | 19149 | 17720 |
| 2.832 | | 72718 | 59938 |
| 2.898 | | 90425 | 55996 |
| 2.948 | | 13269 | 8320 |
| 3.01 | | 19313 | 12357 |
| 3.067 | | 949 | 265 |
| 3.077 | | 786 | 126 |
| 3.105 | | 208438 | 105867 |
| 3.116 | | 35587 | 12855 |
| 3.157 | | 22993 | 13011 |
| 3.179 | | 8303 | 6082 |
| 3.203 | | 7905 | 4358 |
| 3.227 | | 234342 | 160825 |
| 3.264 | | 6757 | 4097 |
| 3.291 | | 14581 | 7389 |
| 3.31 | | 57314 | 29703 |
| 3.325 | | 21468 | 10608 |
| 3.353 | | 3614 | 2070 |
| 3.375 | | 257472 | 118542 |
| 3.385 | | 264148 | 110578 |
| 3.405 | | 56490 | 22883 |
| 3.418 | | 245360 | 148771 |
| 3.467 | | 706 | 169 |
| 3.493 | | 371818 | 238296 |
| 3.528 | | 640653 | 394894 |
| 3.551 | | 580176 | 322594 |
| 3.569 | | 190551 | 99338 |
| 3.632 | | 2513 | 1647 |
| 3.655 | | 800185 | 513080 |
| 3.677 | | 263992 | 141952 |
| 3.699 | | 271460 | 161016 |
| 3.727 | | 120746 | 63080 |
| 3.744 | | 580919 | 345227 |
| 3.785 | | 220396 | 156721 |
| 3.833 | | 43369 | 37492 |
| 3.854 | | 448424 | 281554 |
| 3.877 | | 1044414 | 673071 |
| 3.902 | | 761856 | 463870 |
| 3.921 | | 62513 | 28003 |
| 3.941 | | 74760 | 44340 |
| 3.975 | | 332265 | 227588 |
| 4.01 | | 528698 | 418313 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.038 | | 280747 | 155028 |
| 4.084 | | 45039 | 35832 |
| 4.119 | | 195373 | 145904 |
| 4.152 | | 3011 | 2725 |
| 4.176 | | 319733 | 247748 |
| 4.209 | | 191316 | 133564 |
| 4.236 | | 492429 | 370418 |
| 4.274 | | 9884 | 9039 |
| 4.329 | | 205705 | 195412 |
| 4.364 | | 48367 | 36433 |
| 4.396 | | 306931 | 228913 |
| 4.42 | | 8631 | 4612 |
| 4.438 | | 3284 | 1330 |
| 4.463 | | 44538 | 28553 |
| 4.488 | | 24747 | 17359 |
| 4.562 | | 51032 | 50245 |
| 4.614 | | 297296 | 242644 |
| 4.655 | | 15793 | 18524 |
| 4.693 | | 74621 | 62748 |
| 4.725 | | 6168 | 2681 |
| 4.74 | | 5582 | 2490 |
| 4.762 | | 6919 | 4966 |
| 4.861 | | 2013 | 1327 |
| 4.883 | | 2614 | 1786 |
| 4.912 | | 13285 | 9850 |
| 4.936 | | 25277 | 20054 |
| 4.96 | | 1214 | 749 |
| 4.989 | | 2083 | 1537 |
| 5.023 | | 3196 | 2579 |
| 5.056 | | 10207 | 8681 |
| 5.083 | | 10107 | 6415 |
| 5.105 | | 26767 | 21395 |
| 5.177 | | 24689 | 20998 |
| 5.231 | | 1618 | 1410 |
| 5.319 | | 15368 | 21573 |
| 5.366 | | 24404 | 25422 |
| 5.438 | | 1039 | 773 |
| 5.474 | | 1725 | 2278 |
| 5.518 | | 61153 | 58091 |
| 5.587 | | 59539 | 57692 |
| 5.636 | | 15263 | 13099 |
| 5.673 | | 1051 | 744 |
| 5.704 | | 972 | 1253 |
| 5.742 | | 15888 | 13215 |
| 5.8 | | 3926 | 5838 |
| 5.841 | | 1650 | 2487 |
| 5.87 | | 1339 | 1436 |
| 5.892 | | 1475 | 797 |
| 5.94 | | 67040 | 58572 |
| 5.973 | | 2064 | 1727 |
| 6.003 | | 2420 | 1675 |
| 6.039 | | 260 | 508 |
| 6.057 | | 1945 | 1712 |
| 6.099 | DCB | 6955366 | 6025934 |
| 6.216 | | 6815 | 12987 |
| 6.277 | | 916 | 171 |
| 6.313 | | 2507 | 1878 |
| 6.338 | | 1137 | 302 |
| 6.375 | | 923 | 1143 |
| 6.402 | | 2126 | 1985 |
| 6.435 | | 1764 | 1831 |
| 6.518 | | 2010 | 3228 |
| 6.549 | | 7906 | 9851 |
| 6.636 | | 824 | 350 |
| 6.659 | | 1185 | 568 |
| 6.724 | | 2139 | 2289 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.764 | | 1586 | 1208 |
| 6.784 | | 1126 | 610 |
| 6.809 | | 1401 | 571 |
| 6.831 | | 1498 | 282 |
| 6.868 | | 1068 | 457 |

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.015.RAW

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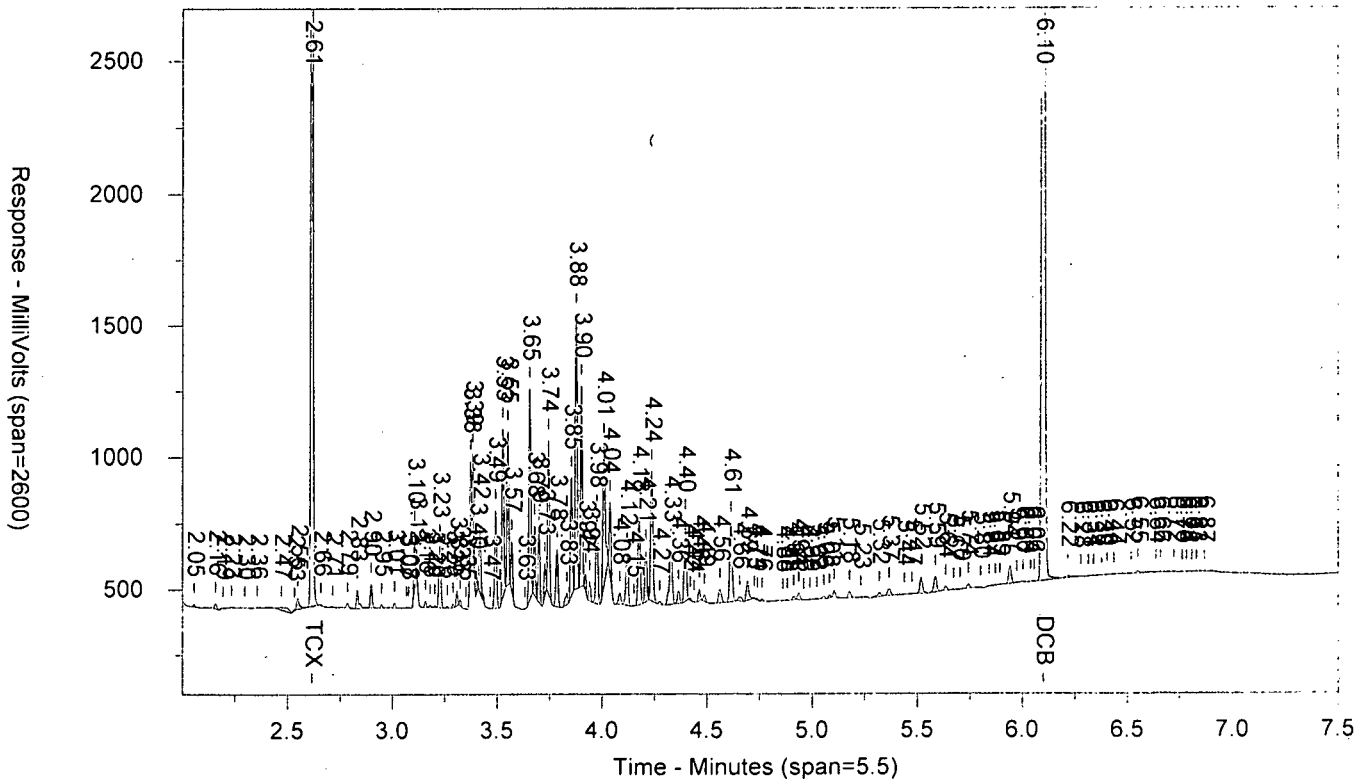

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 2886424 | 19.678 | TCX | 2.615 | 5065653 | 19.04 | TCX |
| 6.599 | 2140506 | 18.735 | DCB | 6.099 | 6955366 | 18.787 | DCB |

Files:
Area File: 25PCBs17289001.015.RAW
Area File: 25PCBs17289001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:30:16 PM
File Reported On: 10/16/2017 at 9:30:29 PM

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

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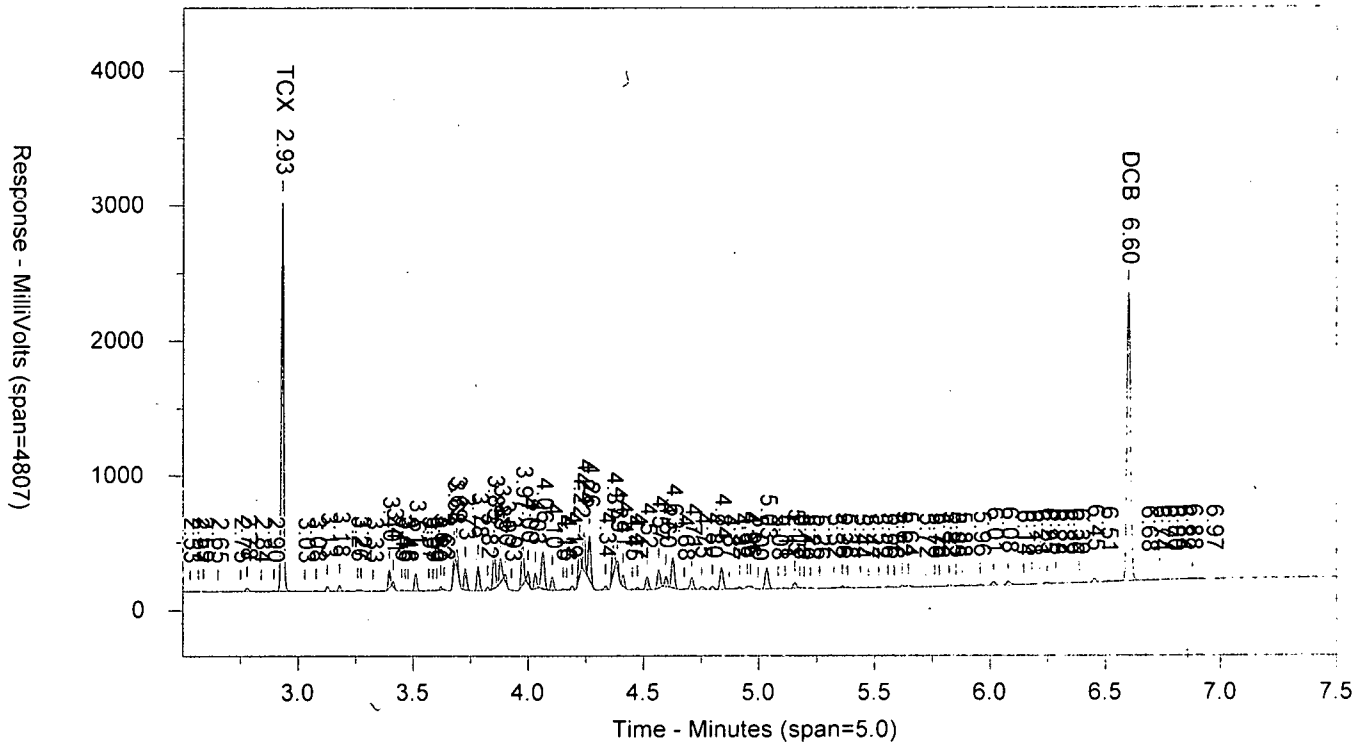


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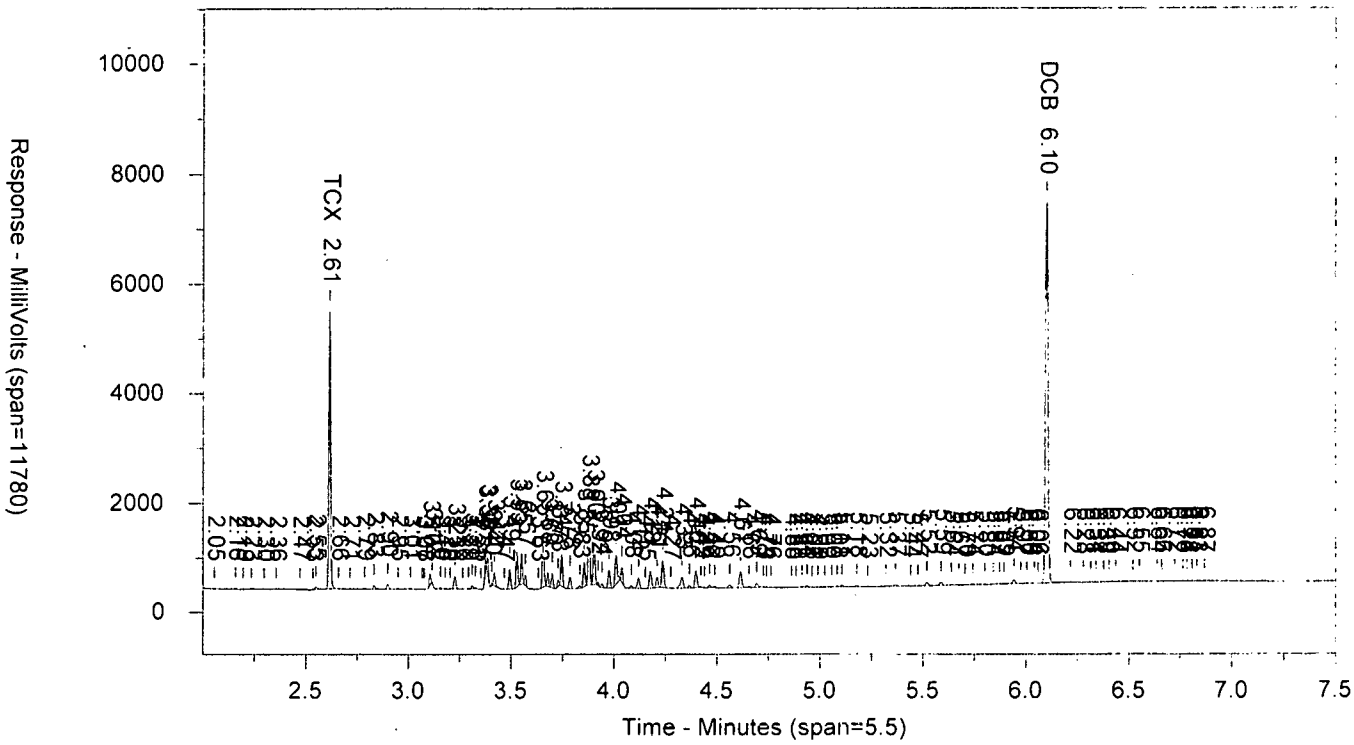

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

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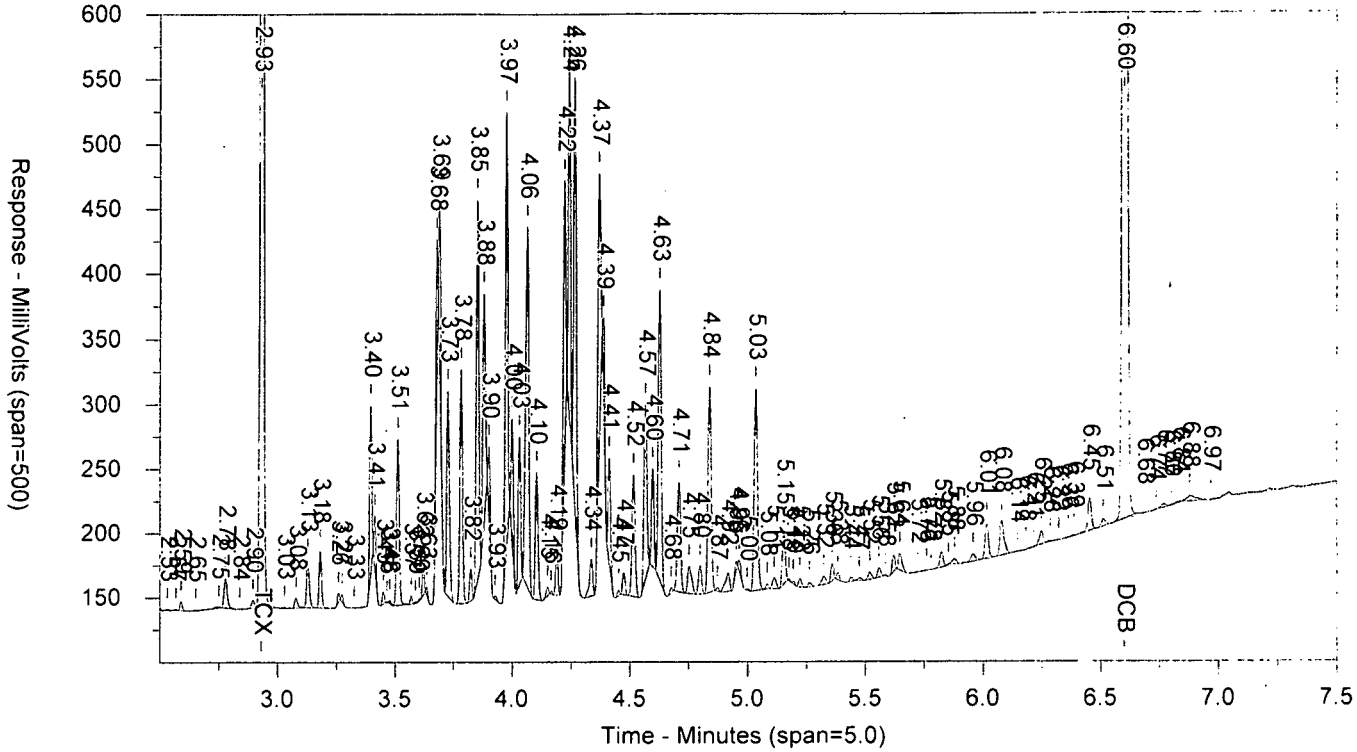


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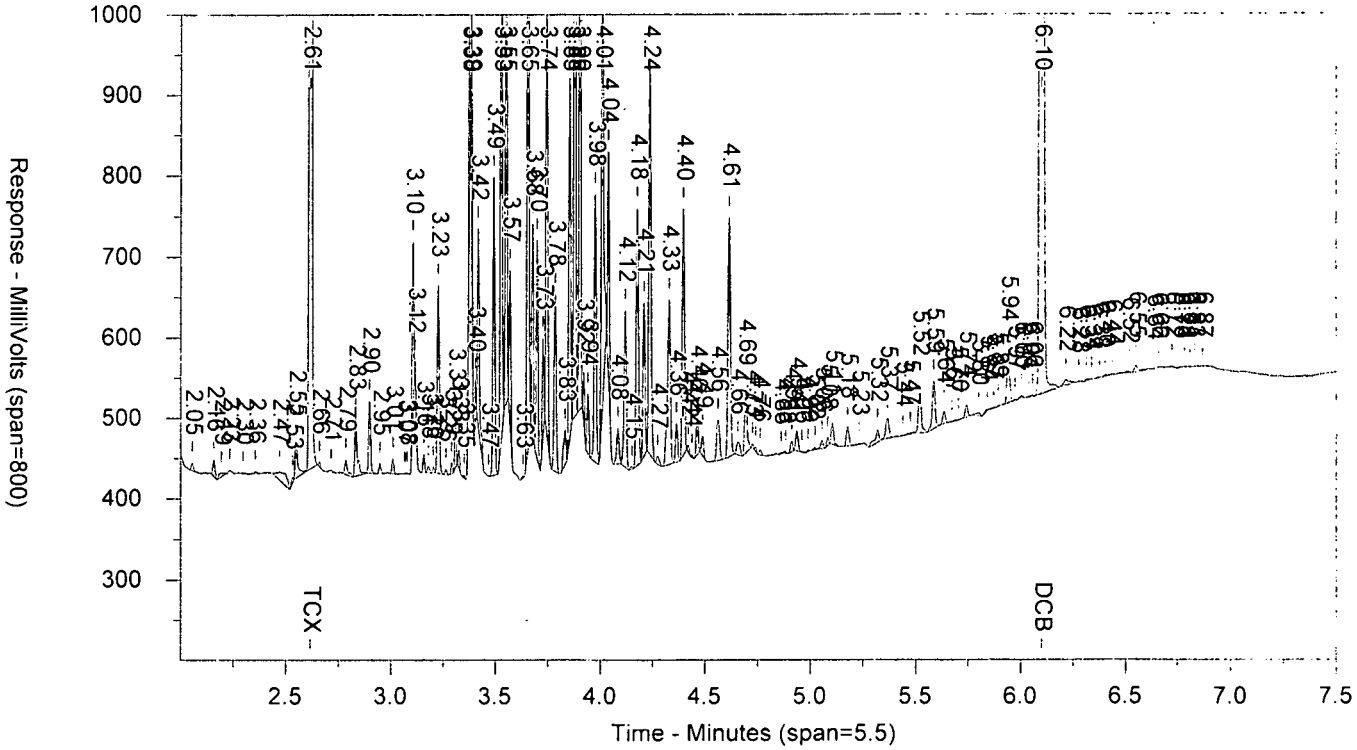


LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.008 | | 280 | 139 |
| 2.036 | | 6087 | 6317 |
| 2.085 | | 7594 | 19299 |
| 2.168 | | 1718 | 2628 |
| 2.232 | | 24687 | 19816 |
| 2.299 | | 445 | 228 |
| 2.331 | | 15381 | 15893 |
| 2.366 | | 2039 | 1928 |
| 2.43 | | 499 | 467 |
| 2.49 | | 4651 | 5742 |
| 2.535 | | 1253 | 1120 |
| 2.569 | | 1713 | 2014 |
| 2.653 | | 642 | 815 |
| 2.746 | | 1152 | 2052 |
| 2.778 | | 9518 | 7925 |
| 2.874 | | 599 | 350 |
| 2.895 | | 2760 | 2218 |
| 2.931 | TCX | 5955858 | 4001737 |
| 3.028 | | 1945 | 1253 |
| 3.077 | | 13735 | 12619 |
| 3.127 | | 74995 | 57524 |
| 3.18 | | 86191 | 61227 |
| 3.257 | | 11400 | 6119 |
| 3.274 | | 13904 | 7994 |
| 3.366 | | 625 | 304 |
| 3.396 | | 233172 | 145942 |
| 3.412 | | 67773 | 34655 |
| 3.45 | | 17905 | 10563 |
| 3.465 | | 1094 | 331 |
| 3.476 | | 4094 | 2254 |
| 3.51 | | 237897 | 184734 |
| 3.567 | | 12197 | 7289 |
| 3.585 | | 3936 | 2000 |
| 3.62 | | 44782 | 26231 |
| 3.635 | | 11491 | 5248 |
| 3.677 | | 201968 | 112508 |
| 3.688 | | 215367 | 107812 |
| 3.725 | | 284909 | 229766 |
| 3.782 | | 335470 | 261272 |
| 3.824 | | 47167 | 32867 |
| 3.852 | | 518775 | 399002 |
| 3.879 | | 332256 | 259661 |
| 3.9 | | 92853 | 50979 |
| 3.975 | | 621388 | 458920 |
| 3.998 | | 169355 | 107817 |
| 4.03 | | 209944 | 154611 |
| 4.063 | | 532744 | 494369 |
| 4.103 | | 176748 | 148982 |
| 4.15 | | 17539 | 17769 |
| 4.188 | | 57068 | 43125 |
| 4.221 | | 404843 | 277355 |
| 4.241 | | 533289 | 333111 |
| 4.264 | | 624721 | 475238 |
| 4.335 | | 55167 | 50925 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.369 | | 386620 | 324903 |
| 4.387 | | 105432 | 66246 |
| 4.411 | | 142722 | 99989 |
| 4.452 | | 8083 | 5351 |
| 4.473 | | 34418 | 25511 |
| 4.515 | | 175336 | 160765 |
| 4.565 | | 245954 | 218406 |
| 4.596 | | 143216 | 108715 |
| 4.626 | | 423332 | 377500 |
| 4.675 | | 8060 | 5379 |
| 4.708 | | 158702 | 155259 |
| 4.752 | | 40657 | 47729 |
| 4.797 | | 41782 | 38651 |
| 4.837 | | 288889 | 280270 |
| 4.87 | | 5388 | 3672 |
| 4.916 | | 27410 | 35239 |
| 4.95 | | 44276 | 72145 |
| 5 | | 3524 | 2556 |
| 5.033 | | 294480 | 293506 |
| 5.082 | | 7404 | 5704 |
| 5.112 | | 15631 | 18159 |
| 5.153 | | 81550 | 70431 |
| 5.174 | | 2624 | 1189 |
| 5.193 | | 4663 | 2792 |
| 5.221 | | 12736 | 11156 |
| 5.264 | | 6028 | 5903 |
| 5.296 | | 762 | 628 |
| 5.326 | | 2945 | 3403 |
| 5.359 | | 25848 | 20815 |
| 5.382 | | 10338 | 7415 |
| 5.438 | | 5824 | 5045 |
| 5.477 | | 3434 | 4059 |
| 5.517 | | 10626 | 10790 |
| 5.556 | | 14010 | 12752 |
| 5.582 | | 2025 | 1313 |
| 5.618 | | 24534 | 19266 |
| 5.643 | | 19751 | 17201 |
| 5.705 | | 543 | 332 |
| 5.738 | | 564 | 556 |
| 5.761 | | 711 | 589 |
| 5.822 | | 23538 | 21868 |
| 5.878 | | 8887 | 13196 |
| 5.955 | | 3294 | 4583 |
| 6.013 | | 54263 | 54242 |
| 6.076 | | 51901 | 64661 |
| 6.147 | | 506 | 553 |
| 6.159 | | 536 | 211 |
| 6.213 | | 275 | 993 |
| 6.246 | | 13514 | 14417 |
| 6.291 | | 1120 | 1239 |
| 6.325 | | 466 | 181 |
| 6.358 | | 659 | 577 |
| 6.392 | | 836 | 1836 |
| 6.45 | | 50007 | 52701 |
| 6.51 | | 3596 | 4604 |
| 6.599 | DCB | 4363427 | 4509513 |
| 6.675 | | 383 | 106 |
| 6.685 | | 582 | 221 |
| 6.728 | | 670 | 382 |
| 6.771 | | 1167 | 2025 |
| 6.787 | | 511 | 134 |
| 6.799 | | 689 | 351 |
| 6.831 | | 301 | 795 |
| 6.879 | | 4714 | 11823 |
| 6.992 | | 527 | 804 |

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

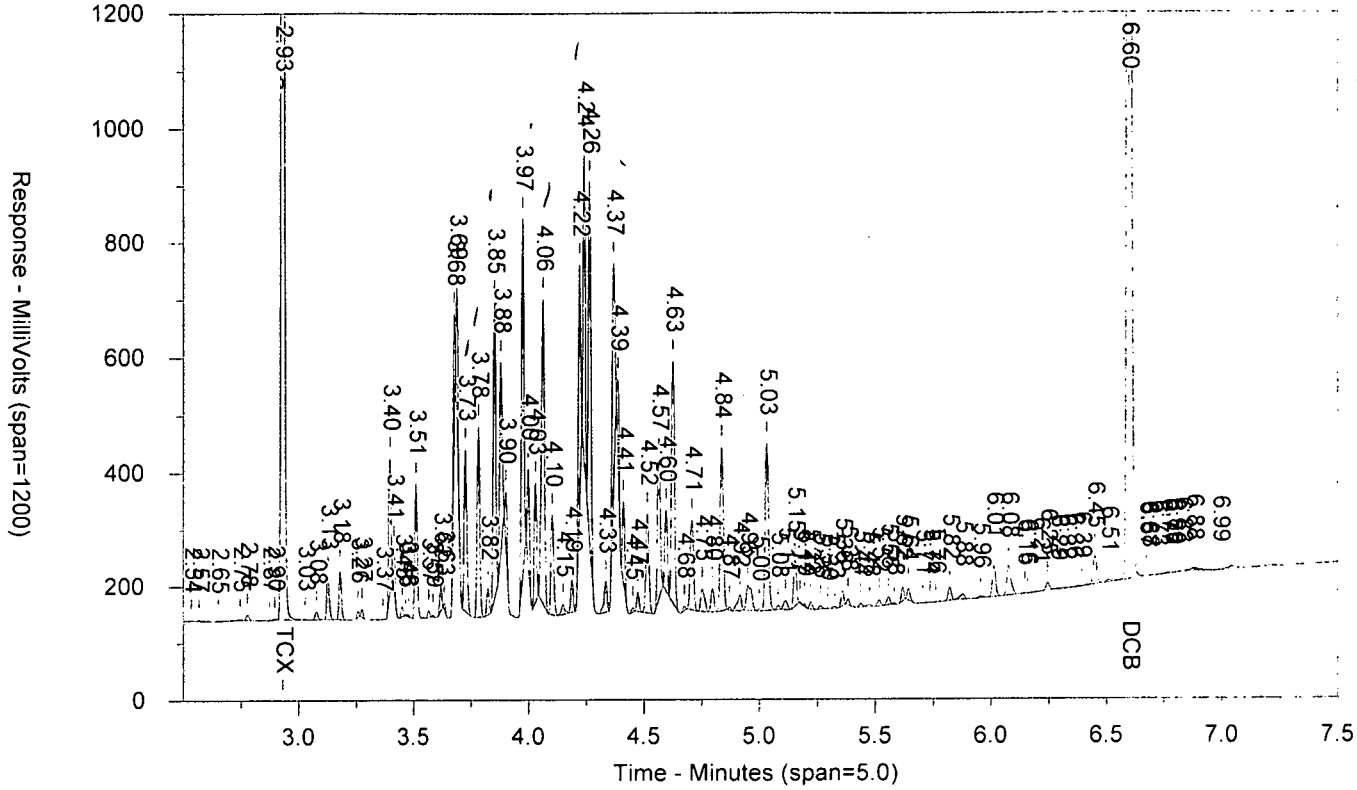
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 18463 | 12482 |
| 2.19 | | 2237 | 1965 |
| 2.209 | | 1870 | 1059 |
| 2.235 | | 4394 | 4236 |
| 2.3 | | 3432 | 2617 |
| 2.354 | | 2714 | 2749 |
| 2.411 | | 2385 | 1973 |
| 2.548 | | 26162 | 42713 |
| 2.615 | TCX | 10306140 | 6109927 |
| 2.658 | | 10407 | 5491 |
| 2.785 | | 32927 | 26830 |
| 2.832 | | 131886 | 100923 |
| 2.898 | | 161687 | 100613 |
| 2.948 | | 25963 | 15073 |
| 2.987 | | 1945 | 1360 |
| 3.009 | | 35994 | 22266 |
| 3.065 | | 392 | 84 |
| 3.071 | | 638 | 207 |
| 3.086 | | 522 | 66 |
| 3.105 | | 376737 | 192816 |
| 3.116 | | 69328 | 23377 |
| 3.156 | | 43269 | 24783 |
| 3.178 | | 13393 | 8292 |
| 3.203 | | 15681 | 8677 |
| 3.226 | | 433310 | 289691 |
| 3.264 | | 13674 | 8065 |
| 3.291 | | 26566 | 13747 |
| 3.31 | | 101907 | 54570 |
| 3.325 | | 41117 | 18472 |
| 3.351 | | 3197 | 1599 |
| 3.375 | | 455145 | 203151 |
| 3.384 | | 501688 | 204284 |
| 3.405 | | 92950 | 39142 |
| 3.418 | | 447860 | 268234 |
| 3.493 | | 691017 | 433317 |
| 3.528 | | 1161872 | 724175 |
| 3.551 | | 1101645 | 597847 |
| 3.569 | | 347250 | 182439 |
| 3.627 | | 1579 | 654 |
| 3.654 | | 1505262 | 942426 |
| 3.677 | | 461577 | 251156 |
| 3.698 | | 495832 | 287955 |
| 3.727 | | 223980 | 112146 |
| 3.744 | | 1060664 | 636668 |
| 3.785 | | 408675 | 288577 |
| 3.832 | | 83304 | 70532 |
| 3.854 | | 844753 | 519386 |
| 3.877 | | 2044953 | 1289319 |
| 3.901 | | 1498876 | 892750 |
| 3.92 | | 108456 | 52073 |
| 3.939 | | 124073 | 70578 |
| 3.975 | | 603795 | 420174 |
| 4.009 | | 1008020 | 797732 |
| 4.037 | | 525750 | 293916 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.084 | | 82912 | 61136 |
| 4.119 | | 354801 | 270756 |
| 4.15 | | 3429 | 1718 |
| 4.176 | | 600861 | 461078 |
| 4.208 | | 360962 | 249343 |
| 4.235 | | 913929 | 695693 |
| 4.275 | | 19100 | 17100 |
| 4.328 | | 377774 | 362875 |
| 4.364 | | 94120 | 69136 |
| 4.396 | | 598262 | 440377 |
| 4.419 | | 14946 | 7790 |
| 4.437 | | 5258 | 2687 |
| 4.462 | | 81692 | 53925 |
| 4.488 | | 47553 | 33699 |
| 4.534 | | 734 | 241 |
| 4.561 | | 101633 | 97651 |
| 4.613 | | 598021 | 466045 |
| 4.657 | | 30012 | 34258 |
| 4.692 | | 140110 | 123985 |
| 4.722 | | 11193 | 5442 |
| 4.737 | | 8962 | 5097 |
| 4.762 | | 13062 | 9196 |
| 4.821 | | 1545 | 1184 |
| 4.836 | | 1735 | 789 |
| 4.861 | | 3702 | 2157 |
| 4.879 | | 6544 | 3979 |
| 4.911 | | 23992 | 17420 |
| 4.935 | | 49373 | 37525 |
| 4.984 | | 9227 | 9425 |
| 5.021 | | 4906 | 4008 |
| 5.055 | | 20371 | 15524 |
| 5.083 | | 20496 | 13177 |
| 5.105 | | 50361 | 39267 |
| 5.177 | | 49753 | 41021 |
| 5.246 | | 979 | 1206 |
| 5.294 | | 3013 | 2559 |
| 5.319 | | 21864 | 18346 |
| 5.365 | | 46535 | 46671 |
| 5.439 | | 1142 | 803 |
| 5.485 | | 1264 | 1477 |
| 5.518 | | 112976 | 100419 |
| 5.586 | | 107550 | 99790 |
| 5.636 | | 29077 | 24954 |
| 5.707 | | 757 | 1839 |
| 5.741 | | 29650 | 24331 |
| 5.776 | | 1691 | 1559 |
| 5.799 | | 1925 | 1890 |
| 5.852 | | 1465 | 3720 |
| 5.914 | | 1724 | 4781 |
| 5.939 | | 137030 | 115537 |
| 5.97 | | 3654 | 2112 |
| 6.006 | | 3515 | 3992 |
| 6.059 | | 1339 | 942 |
| 6.097 | DCB | 14413780 | 11894660 |
| 6.212 | | 6539 | 13831 |
| 6.289 | | 1468 | 1460 |
| 6.313 | | 1753 | 839 |
| 6.345 | | 1414 | 253 |
| 6.362 | | 1054 | 584 |
| 6.377 | | 949 | 314 |
| 6.391 | | 1439 | 715 |
| 6.435 | | 2200 | 1228 |
| 6.498 | | 3514 | 7527 |
| 6.547 | | 15556 | 15563 |
| 6.631 | | 929 | 1101 |
| 6.645 | | 1057 | 386 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.657 | | 1905 | 2411 |
| 6.716 | | 2851 | 3619 |
| 6.753 | | 1051 | 371 |
| 6.764 | | 1607 | 3037 |
| 6.825 | | 1364 | 780 |
| 6.899 | | 1037 | 441 |
| 6.96 | | 1422 | 1626 |

AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.016.RAW

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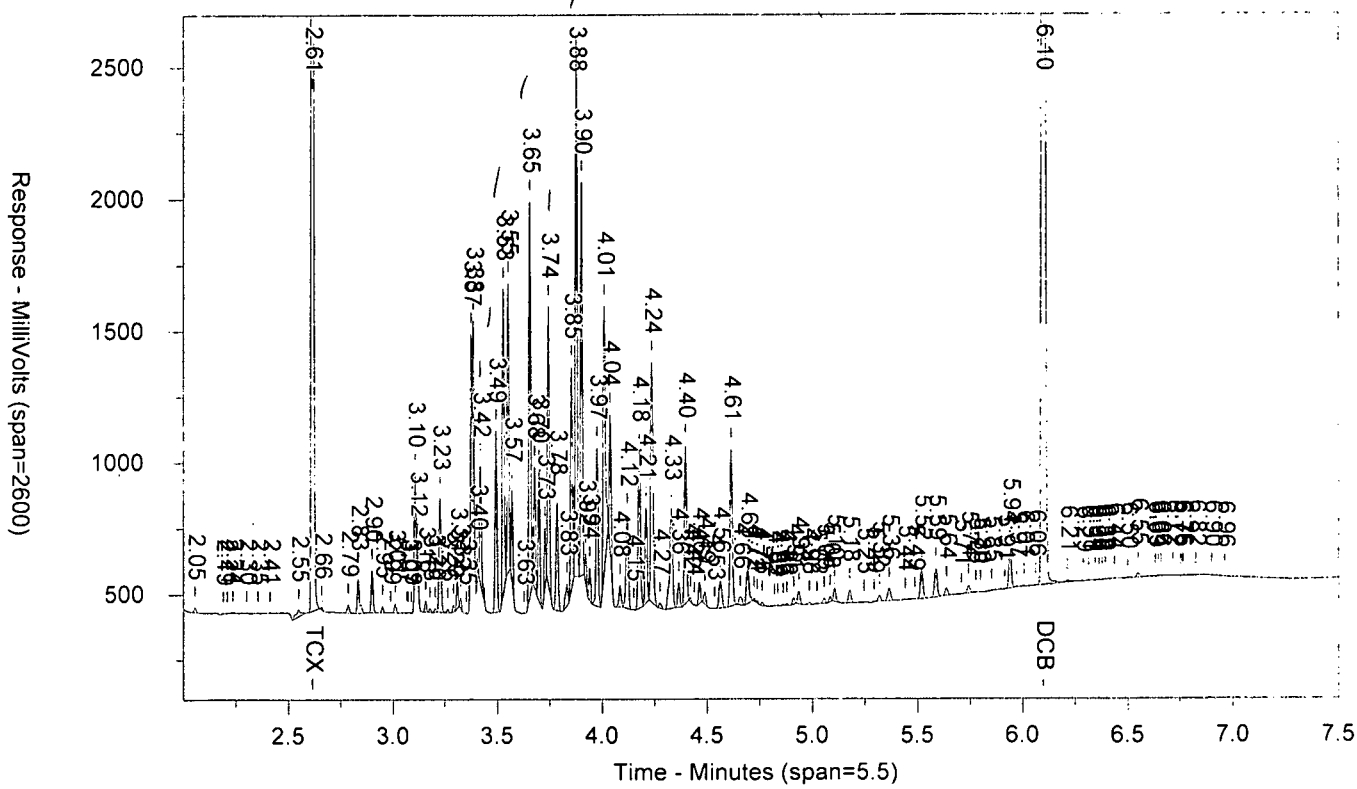


LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

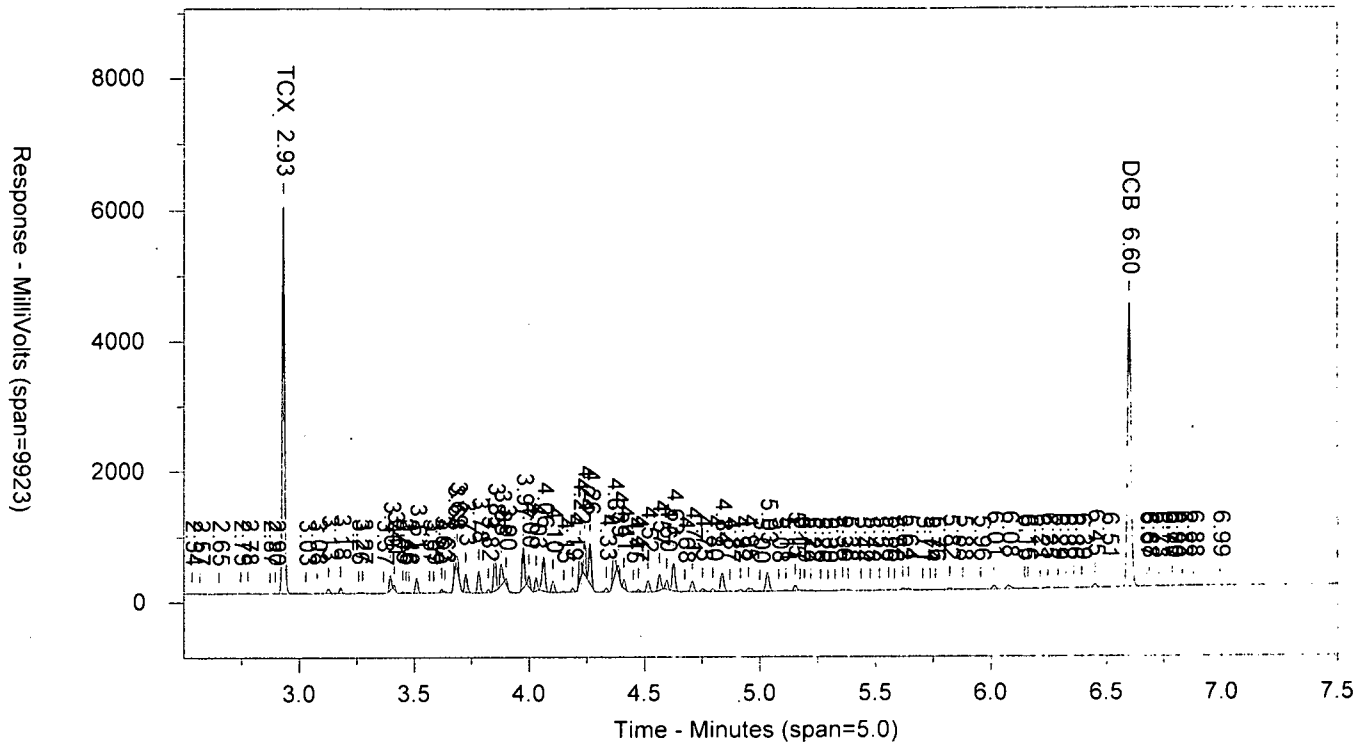
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 5955858 | 40.603 | TCX | 2.615 | 10306140 | 38.736 | TCX |
| 6.599 | 4363427 | 38.19 | DCB | 6.097 | 14413780 | 38.932 | DCB |

Files:
Area File: 25PCBs17289001.016.RAW
Area File: 25PCBs17289001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:41:36 PM
File Reported On: 10/16/2017 at 9:41:50 PM

AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.016.RAW

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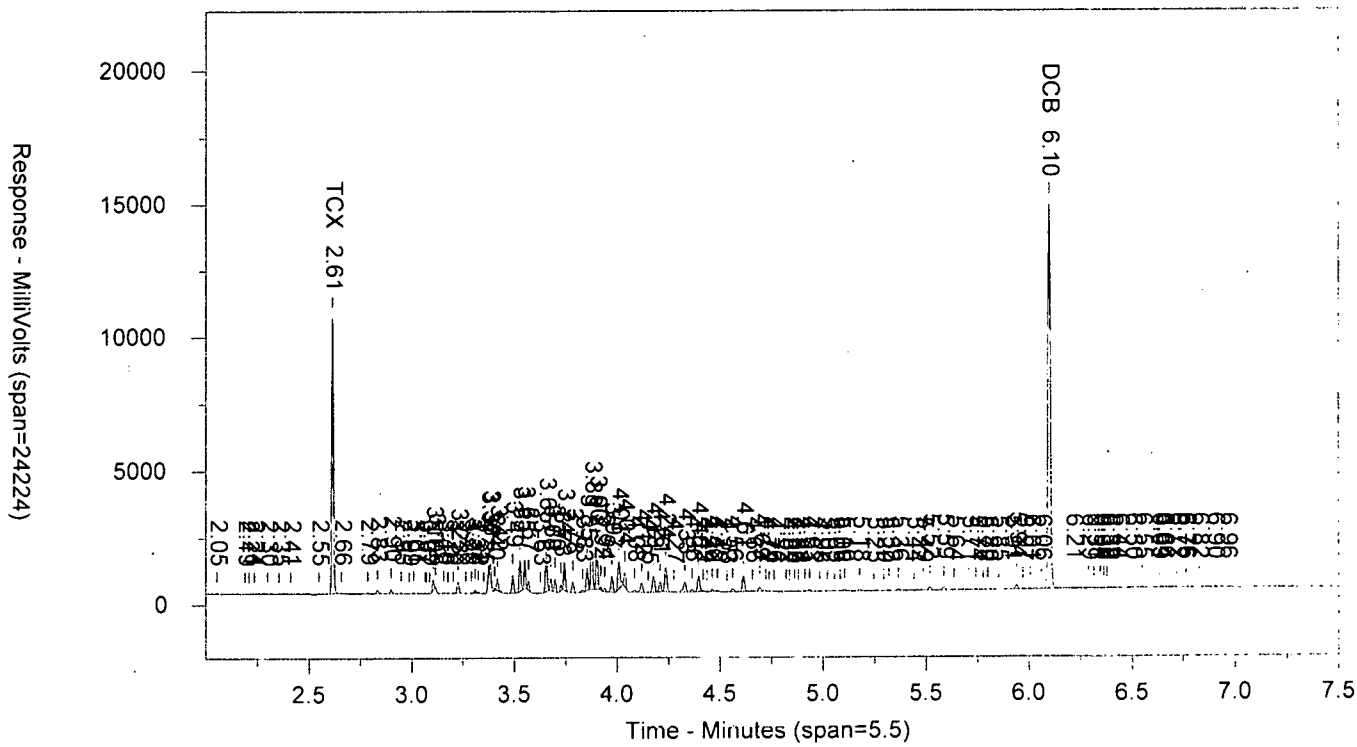
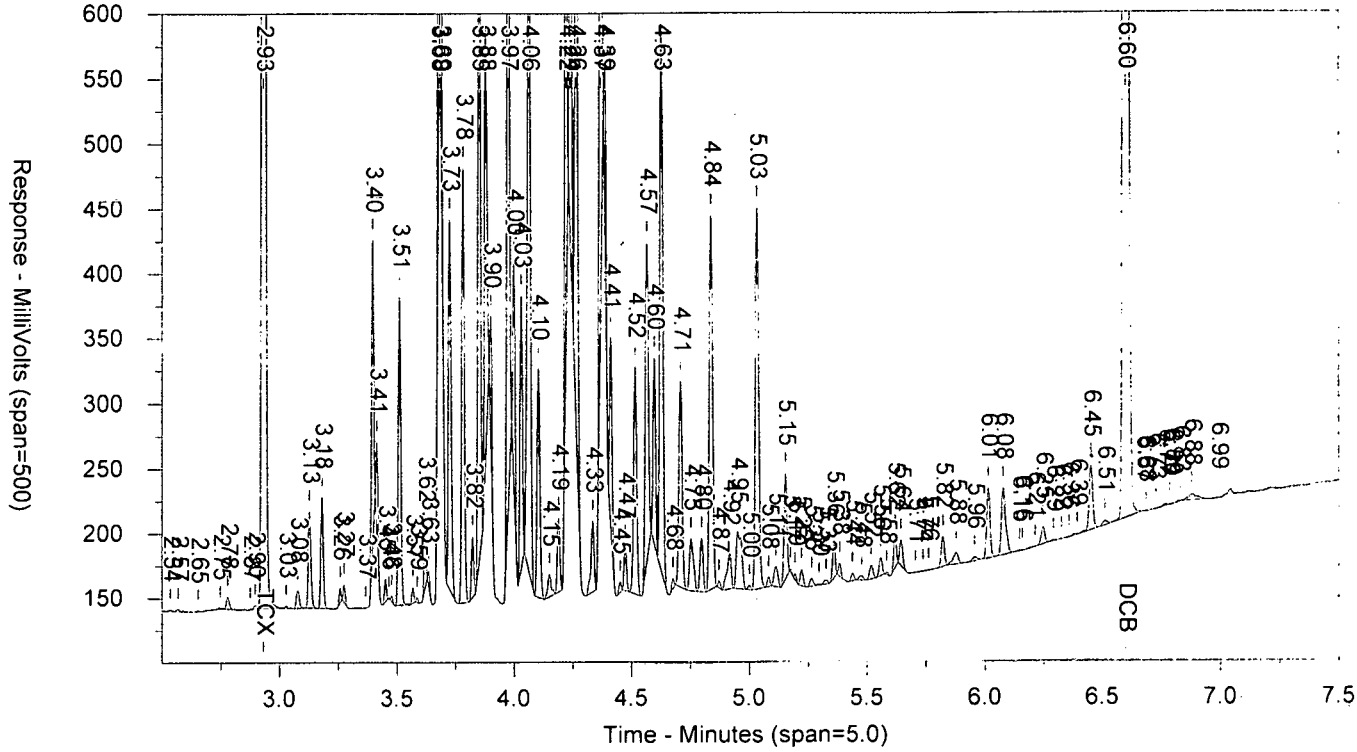


AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.016.RAW

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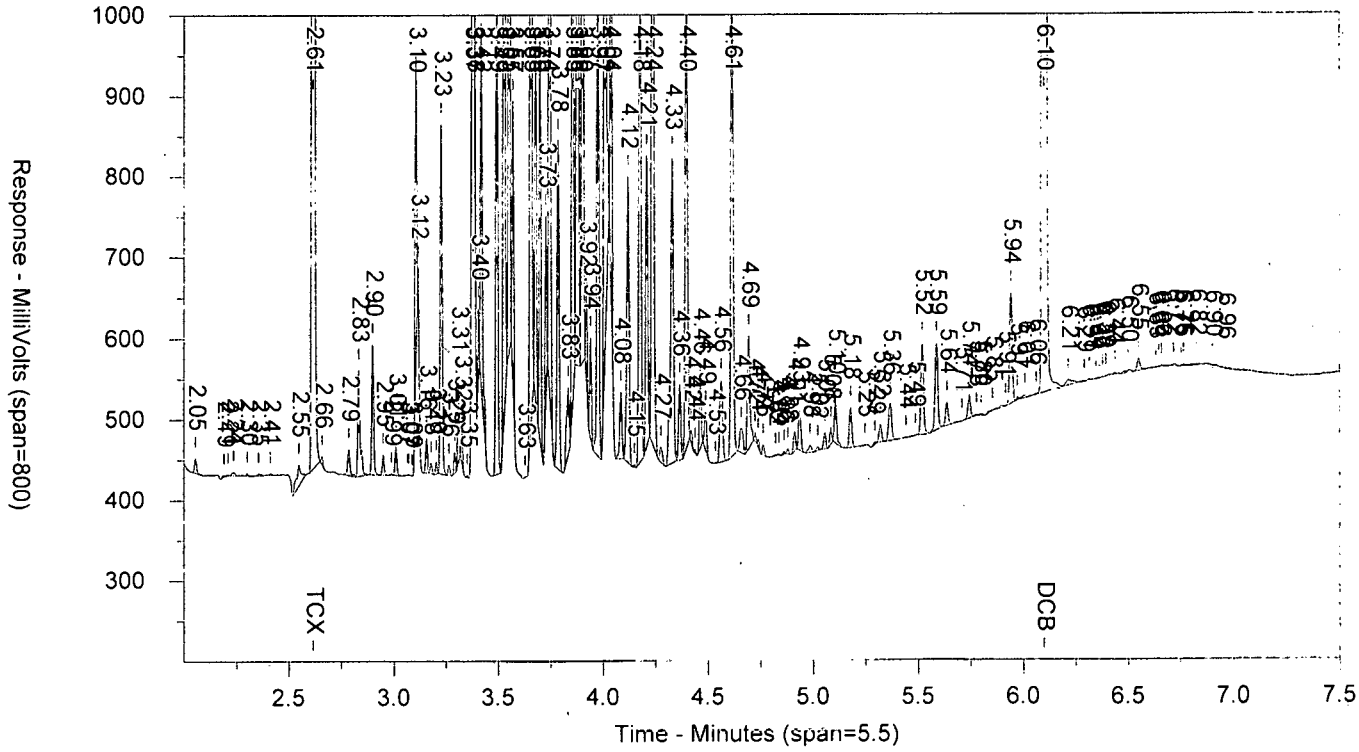


LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.015 | | 529 | 178 |
| 2.036 | | 9563 | 9598 |
| 2.084 | | 15218 | 31175 |
| 2.167 | | 1623 | 2065 |
| 2.231 | | 36710 | 28376 |
| 2.338 | | 16223 | 17028 |
| 2.364 | | 1833 | 2433 |
| 2.489 | | 7070 | 7975 |
| 2.53 | | 967 | 777 |
| 2.568 | | 3221 | 2169 |
| 2.59 | | 2897 | 1863 |
| 2.651 | | 758 | 668 |
| 2.752 | | 1118 | 1874 |
| 2.778 | | 30078 | 30072 |
| 2.84 | | 847 | 921 |
| 2.876 | | 339 | 264 |
| 2.894 | | 4752 | 3938 |
| 2.931 | TCX | 8573852 | 6035560 |
| 3.027 | | 2267 | 1415 |
| 3.078 | | 33191 | 29401 |
| 3.127 | | 117173 | 95410 |
| 3.18 | | 192457 | 143750 |
| 3.258 | | 14767 | 7880 |
| 3.274 | | 34307 | 20629 |
| 3.314 | | 736 | 344 |
| 3.395 | | 536579 | 330976 |
| 3.412 | | 148784 | 76518 |
| 3.449 | | 42496 | 25398 |
| 3.464 | | 2901 | 885 |
| 3.476 | | 9041 | 4427 |
| 3.51 | | 531466 | 419647 |
| 3.547 | | 1785 | 923 |
| 3.567 | | 16717 | 9675 |
| 3.585 | | 11516 | 6239 |
| 3.62 | | 107406 | 63743 |
| 3.635 | | 30349 | 13579 |
| 3.678 | | 390929 | 228891 |
| 3.688 | | 572001 | 269850 |
| 3.725 | | 674909 | 532979 |
| 3.783 | | 798881 | 610474 |
| 3.823 | | 109980 | 77878 |
| 3.851 | | 1242119 | 917020 |
| 3.879 | | 777165 | 603611 |
| 3.901 | | 218547 | 118466 |
| 3.975 | | 1489350 | 1075371 |
| 3.998 | | 381598 | 248876 |
| 4.03 | | 470413 | 344499 |
| 4.063 | | 1300285 | 1158095 |
| 4.102 | | 397382 | 337640 |
| 4.149 | | 44713 | 41406 |
| 4.188 | | 131915 | 105402 |
| 4.221 | | 939566 | 652735 |
| 4.24 | | 1269906 | 814806 |
| 4.264 | | 1463109 | 1114794 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.335 | | 131427 | 120596 |
| 4.368 | | 911456 | 778598 |
| 4.387 | | 241332 | 150318 |
| 4.411 | | 290087 | 205500 |
| 4.451 | | 19623 | 12761 |
| 4.474 | | 77476 | 60276 |
| 4.515 | | 382384 | 362609 |
| 4.564 | | 577391 | 499474 |
| 4.596 | | 306881 | 236925 |
| 4.626 | | 978590 | 869695 |
| 4.676 | | 16557 | 11914 |
| 4.708 | | 369024 | 352196 |
| 4.752 | | 93072 | 113941 |
| 4.797 | | 103559 | 92761 |
| 4.837 | | 681400 | 646389 |
| 4.87 | | 8696 | 5874 |
| 4.915 | | 64663 | 86382 |
| 4.95 | | 37795 | 30891 |
| 4.961 | | 18457 | 14684 |
| 5.001 | | 7629 | 5535 |
| 5.033 | | 697373 | 691909 |
| 5.082 | | 16240 | 12658 |
| 5.113 | | 28928 | 34530 |
| 5.153 | | 177148 | 161286 |
| 5.175 | | 7611 | 3386 |
| 5.193 | | 10317 | 6347 |
| 5.221 | | 30097 | 26302 |
| 5.263 | | 14103 | 13327 |
| 5.294 | | 1554 | 944 |
| 5.325 | | 3949 | 4021 |
| 5.358 | | 62552 | 51157 |
| 5.382 | | 27474 | 19387 |
| 5.438 | | 13264 | 12102 |
| 5.476 | | 7763 | 8654 |
| 5.517 | | 16450 | 16465 |
| 5.557 | | 34550 | 31680 |
| 5.582 | | 4683 | 3281 |
| 5.618 | | 61791 | 51062 |
| 5.642 | | 31423 | 25198 |
| 5.719 | | 850 | 842 |
| 5.771 | | 395 | 594 |
| 5.794 | | 418 | 115 |
| 5.822 | | 52391 | 51367 |
| 5.877 | | 21596 | 32026 |
| 5.956 | | 4250 | 5253 |
| 6.014 | | 81276 | 80720 |
| 6.077 | | 79563 | 102239 |
| 6.145 | | 601 | 747 |
| 6.246 | | 30889 | 32634 |
| 6.29 | | 2134 | 2331 |
| 6.378 | | 2045 | 2201 |
| 6.424 | | 571 | 655 |
| 6.45 | | 76268 | 78837 |
| 6.508 | | 4208 | 5320 |
| 6.558 | | 305 | 511 |
| 6.598 | DCB | 6678274 | 6716635 |
| 6.675 | | 433 | 207 |
| 6.704 | | 414 | 337 |
| 6.717 | | 634 | 167 |
| 6.766 | | 2163 | 2968 |
| 6.836 | | 445 | 1235 |
| 6.881 | | 4608 | 13293 |
| 6.986 | | 746 | 808 |

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 . 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

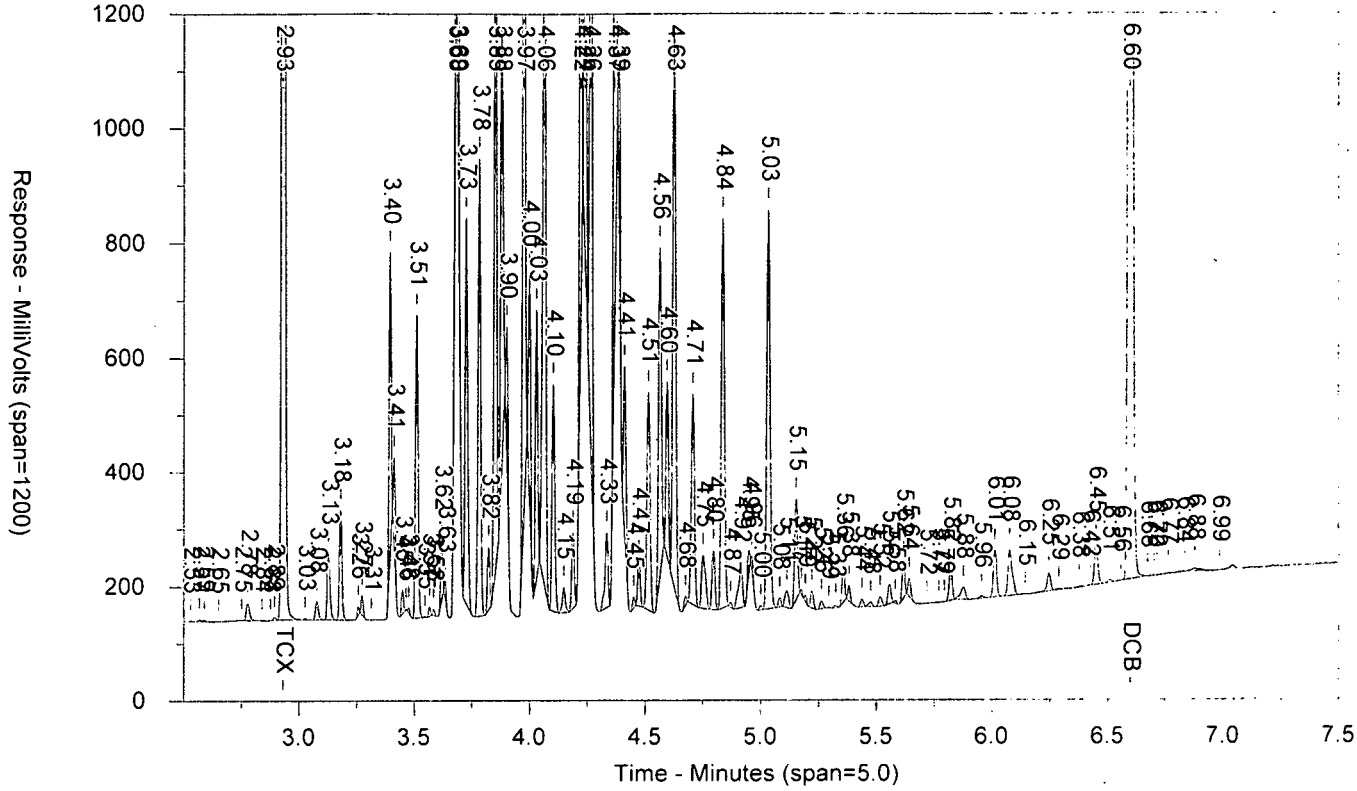
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 27786 | 20094 |
| 2.158 | | 11469 | 10028 |
| 2.186 | | 4682 | 4197 |
| 2.234 | | 4391 | 4737 |
| 2.267 | | 1188 | 1345 |
| 2.3 | | 6924 | 5287 |
| 2.36 | | 2779 | 3631 |
| 2.47 | | 3320 | 14210 |
| 2.532 | | 6410 | 3189 |
| 2.548 | | 58480 | 57687 |
| 2.615 | TCX | 15962260 | 9234640 |
| 2.658 | | 26528 | 15501 |
| 2.786 | | 76808 | 56003 |
| 2.832 | | 200762 | 162596 |
| 2.898 | | 368514 | 223253 |
| 2.948 | | 37557 | 22500 |
| 3.009 | | 85885 | 52977 |
| 3.07 | | 1782 | 1442 |
| 3.088 | | 515 | 108 |
| 3.105 | | 872816 | 433804 |
| 3.115 | | 137946 | 46953 |
| 3.156 | | 98945 | 58214 |
| 3.177 | | 29717 | 17370 |
| 3.203 | | 35988 | 19562 |
| 3.226 | | 968984 | 654470 |
| 3.263 | | 32532 | 18481 |
| 3.291 | | 37947 | 18396 |
| 3.309 | | 233232 | 123845 |
| 3.325 | | 83881 | 39177 |
| 3.35 | | 3529 | 1993 |
| 3.375 | | 978875 | 462052 |
| 3.385 | | 1423621 | 539970 |
| 3.404 | | 218031 | 86682 |
| 3.418 | | 1037805 | 618208 |
| 3.493 | | 1643701 | 1012473 |
| 3.527 | | 2784918 | 1679320 |
| 3.551 | | 2587791 | 1401720 |
| 3.569 | | 821726 | 427547 |
| 3.627 | | 1526 | 588 |
| 3.654 | | 3614195 | 2251346 |
| 3.677 | | 1123797 | 584147 |
| 3.698 | | 1101108 | 663973 |
| 3.727 | | 512597 | 250205 |
| 3.743 | | 2592914 | 1516334 |
| 3.785 | | 909680 | 658841 |
| 3.832 | | 177958 | 153560 |
| 3.854 | | 2008444 | 1238858 |
| 3.877 | | 4973394 | 3076745 |
| 3.901 | | 3480938 | 2198010 |
| 3.92 | | 262221 | 122481 |
| 3.94 | | 264642 | 152690 |
| 3.975 | | 1373094 | 975587 |
| 4.009 | | 2568426 | 1913218 |
| 4.037 | | 1425532 | 788340 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.084 | | 180654 | 133002 |
| 4.119 | | 811019 | 616477 |
| 4.149 | | 4076 | 1857 |
| 4.175 | | 1486642 | 1088627 |
| 4.208 | | 830607 | 581186 |
| 4.235 | | 2271961 | 1652369 |
| 4.274 | | 44858 | 43061 |
| 4.328 | | 897153 | 838248 |
| 4.364 | | 215105 | 160553 |
| 4.395 | | 1453304 | 1037286 |
| 4.419 | | 38552 | 19514 |
| 4.436 | | 4795 | 1836 |
| 4.462 | | 182779 | 120555 |
| 4.487 | | 112965 | 79510 |
| 4.561 | | 224151 | 225244 |
| 4.613 | | 1461803 | 1136074 |
| 4.654 | | 71727 | 73954 |
| 4.692 | | 317845 | 289574 |
| 4.723 | | 27736 | 13157 |
| 4.738 | | 21188 | 10666 |
| 4.761 | | 29835 | 20943 |
| 4.805 | | 1765 | 866 |
| 4.82 | | 1612 | 828 |
| 4.837 | | 3839 | 2097 |
| 4.861 | | 7453 | 4529 |
| 4.878 | | 13216 | 8997 |
| 4.911 | | 56582 | 41473 |
| 4.935 | | 119186 | 87801 |
| 4.984 | | 23724 | 22845 |
| 5.02 | | 12374 | 9111 |
| 5.054 | | 32411 | 26827 |
| 5.083 | | 49903 | 33427 |
| 5.104 | | 113140 | 90860 |
| 5.177 | | 74433 | 65074 |
| 5.243 | | 958 | 583 |
| 5.253 | | 2025 | 2432 |
| 5.299 | | 3061 | 3969 |
| 5.319 | | 52028 | 43584 |
| 5.365 | | 99270 | 102672 |
| 5.421 | | 666 | 1188 |
| 5.451 | | 751 | 509 |
| 5.464 | | 959 | 511 |
| 5.483 | | 982 | 594 |
| 5.518 | | 169794 | 149069 |
| 5.586 | | 165081 | 149741 |
| 5.635 | | 53439 | 43892 |
| 5.693 | | 1698 | 1667 |
| 5.713 | | 910 | 874 |
| 5.742 | | 64025 | 54055 |
| 5.773 | | 3678 | 2095 |
| 5.844 | | 1021 | 2783 |
| 5.879 | | 797 | 1347 |
| 5.893 | | 3101 | 2910 |
| 5.94 | | 213072 | 177149 |
| 5.971 | | 5601 | 3558 |
| 6.003 | | 3691 | 4167 |
| 6.037 | | 1008 | 832 |
| 6.059 | | 1891 | 1596 |
| 6.098 | DCB | 21167740 | 17751880 |
| 6.213 | | 5892 | 7471 |
| 6.25 | | 1237 | 724 |
| 6.294 | | 1045 | 314 |
| 6.318 | | 1413 | 1201 |
| 6.367 | | 1136 | 852 |
| 6.416 | | 1122 | 1868 |
| 6.43 | | 1900 | 516 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.486 | | 1066 | 1010 |
| 6.508 | | 2317 | 2263 |
| 6.547 | | 22529 | 18982 |
| 6.607 | | 1162 | 680 |
| 6.635 | | 1066 | 1261 |
| 6.66 | | 2101 | 1836 |
| 6.718 | | 3701 | 3598 |
| 6.775 | | 1095 | 948 |
| 6.814 | | 978 | 376 |
| 6.837 | | 745 | 478 |
| 6.867 | | 1297 | 915 |
| 6.977 | | 1088 | 1053 |

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.017.RAW

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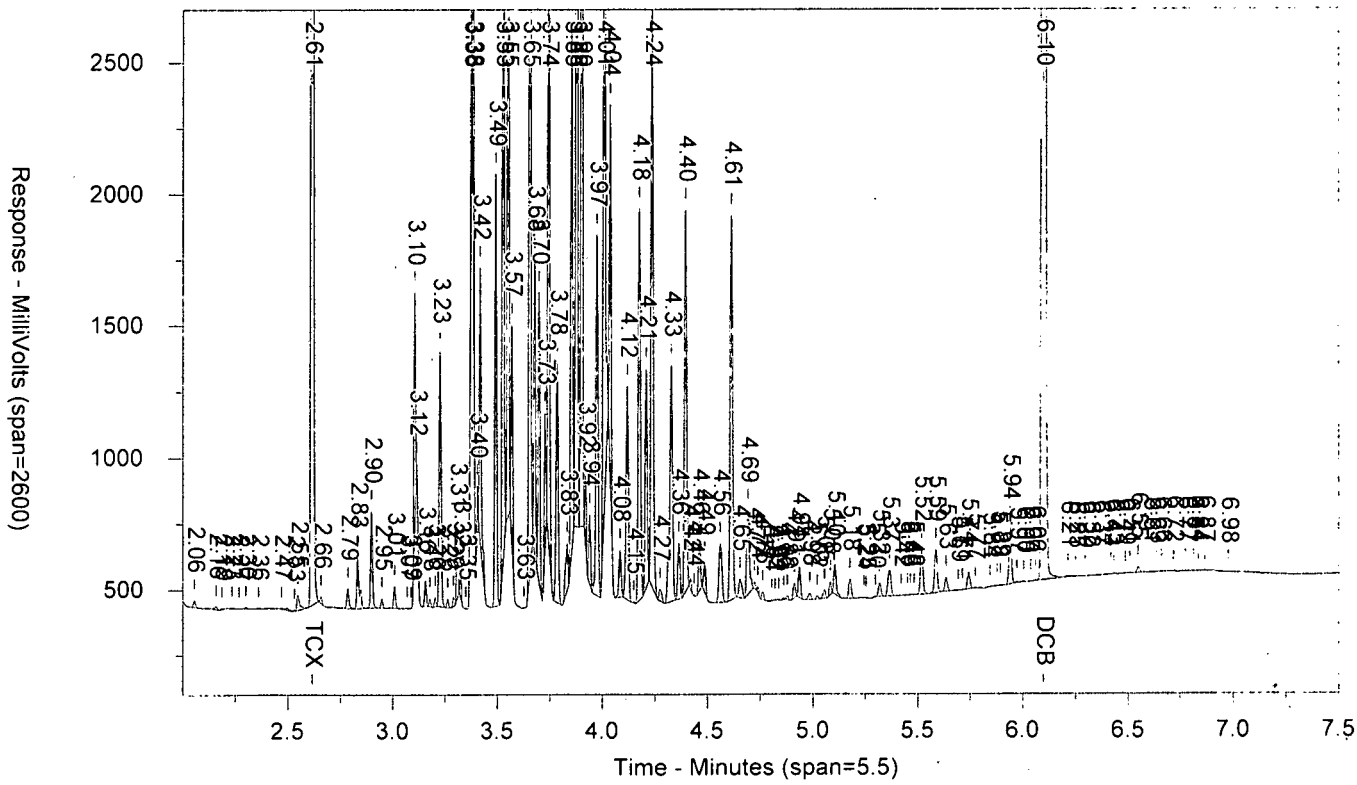

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 8573852 | 58.451 | TCX | 2.615 | 15962260 | 59.995 | TCX |
| 6.598 | 6678274 | 58.451 | DCB | 6.098 | 21167740 | 57.174 | DCB |

Files:
Area File: 25PCBs17289001.017.RAW
Area File: 25PCBs17289001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:52:53 PM
File Reported On: 10/16/2017 at 9:53:06 PM

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

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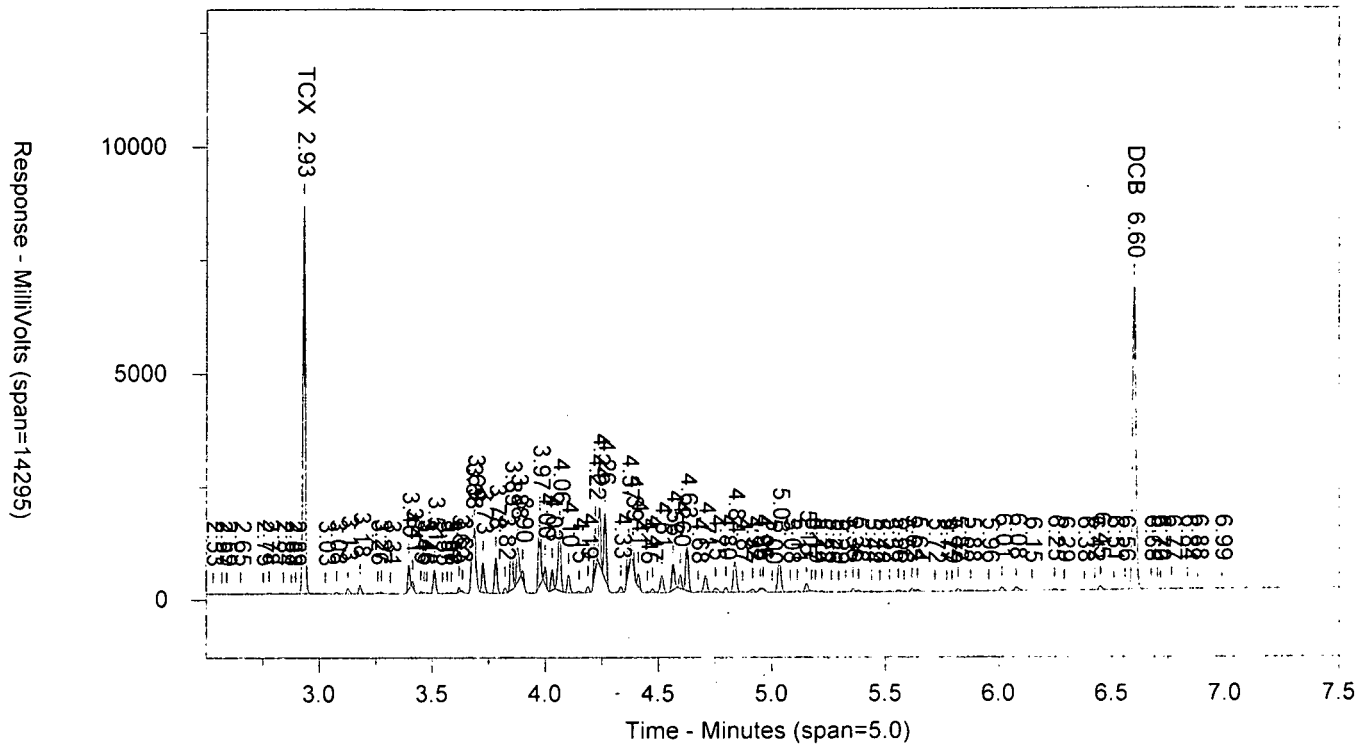


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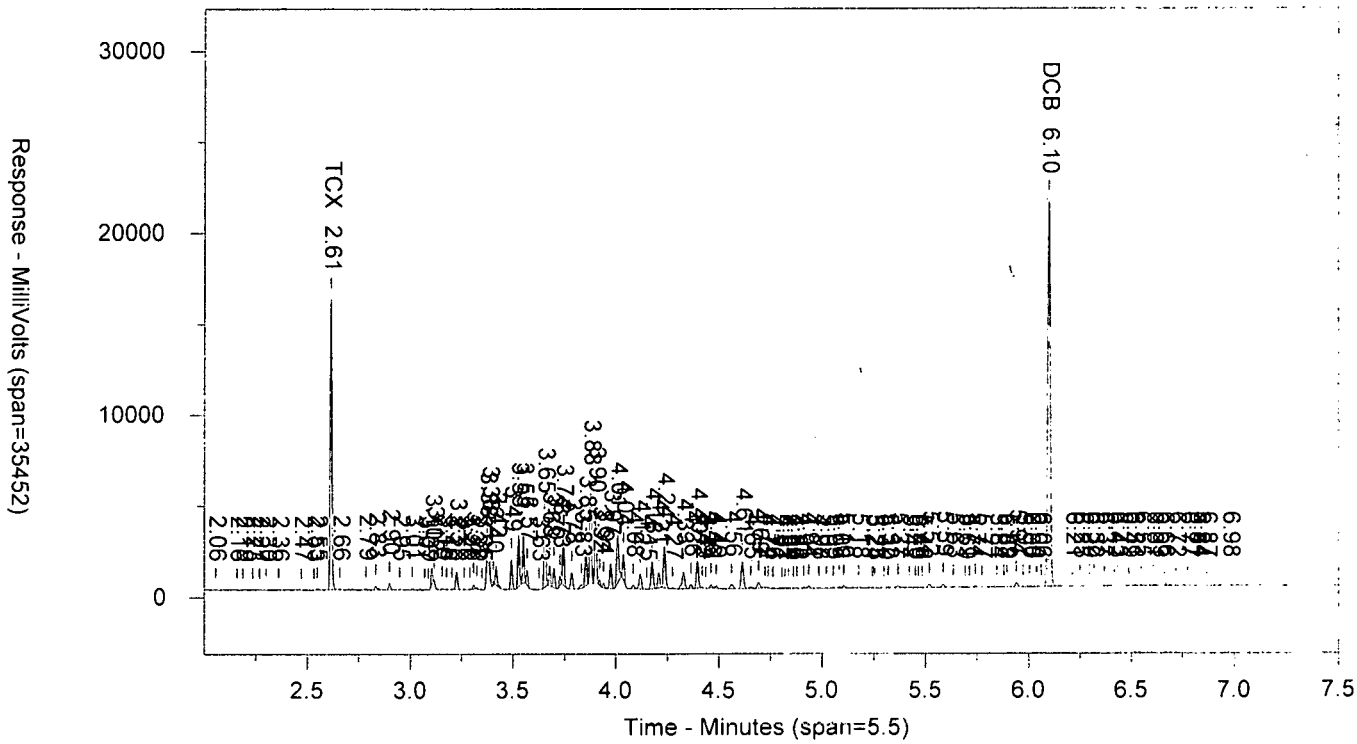

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

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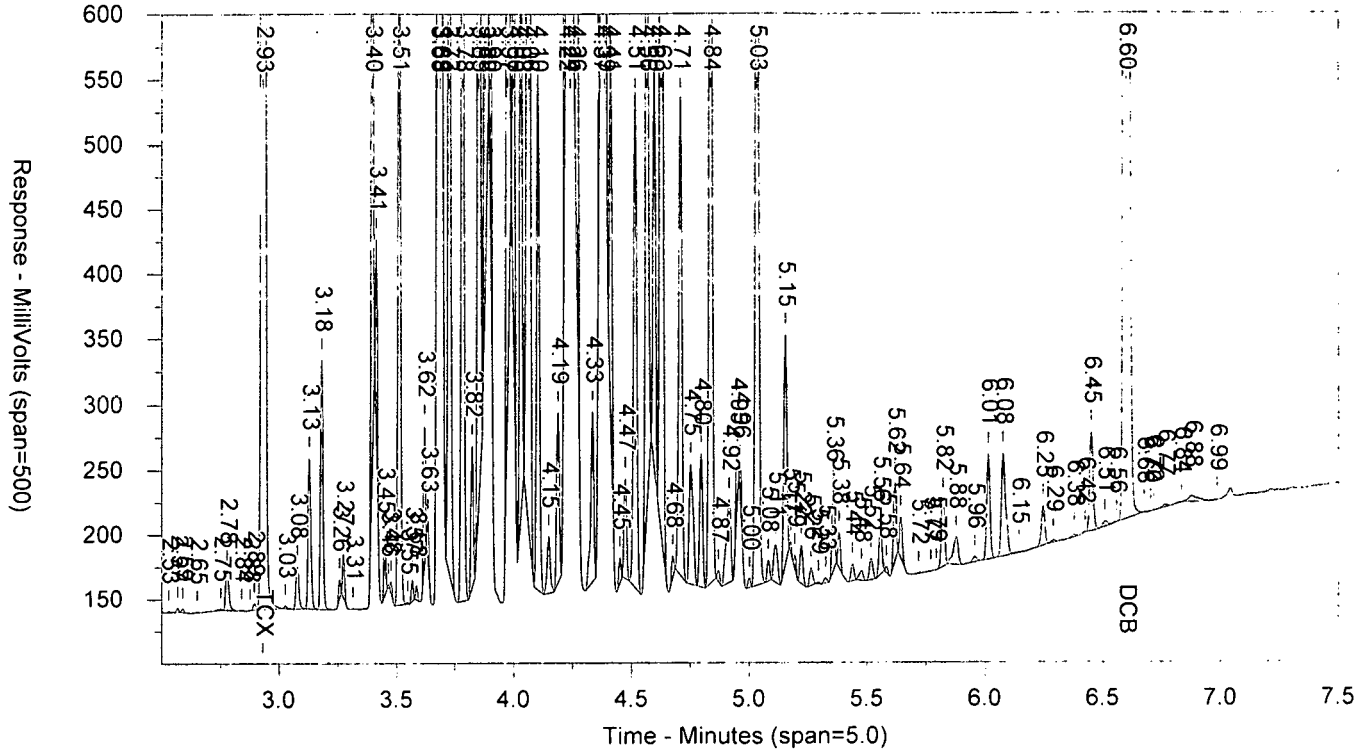


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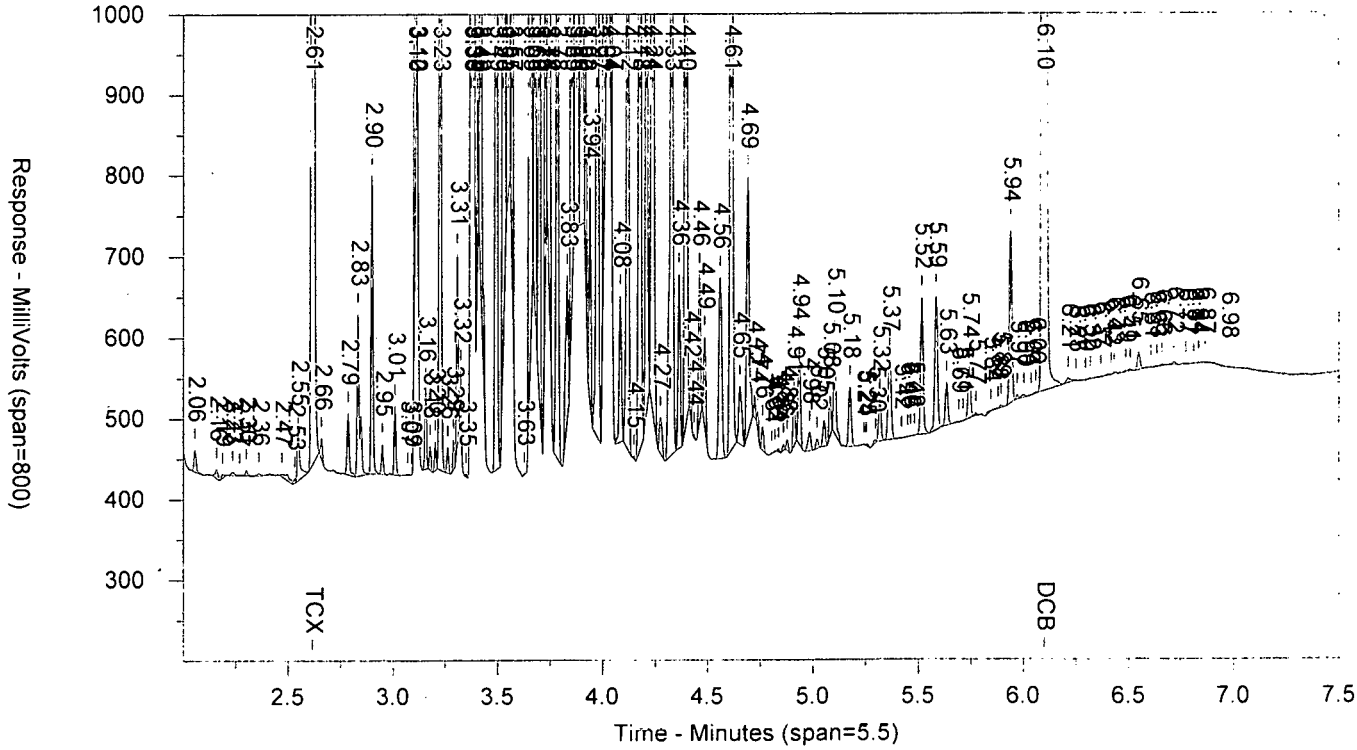

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 18097 | 19116 |
| 2.085 | | 7817 | 11839 |
| 2.169 | | 2264 | 2877 |
| 2.202 | | 608 | 250 |
| 2.231 | | 48943 | 37094 |
| 2.3 | | 422 | 384 |
| 2.338 | | 21394 | 22193 |
| 2.366 | | 1549 | 1155 |
| 2.429 | | 894 | 744 |
| 2.49 | | 13114 | 13947 |
| 2.532 | | 1048 | 738 |
| 2.568 | | 5984 | 3671 |
| 2.59 | | 10010 | 6335 |
| 2.653 | | 1048 | 973 |
| 2.722 | | 204 | 217 |
| 2.747 | | 1545 | 1771 |
| 2.778 | | 16888 | 15822 |
| 2.842 | | 2093 | 2800 |
| 2.895 | | 9389 | 7685 |
| 2.931 | TCX | 11926360 | 8202471 |
| 3.028 | | 2920 | 1745 |
| 3.078 | | 65910 | 57611 |
| 3.128 | | 164825 | 143811 |
| 3.18 | | 374909 | 277624 |
| 3.238 | | 405 | 221 |
| 3.258 | | 19755 | 10069 |
| 3.273 | | 72297 | 44693 |
| 3.317 | | 1287 | 1384 |
| 3.395 | | 1068534 | 660749 |
| 3.412 | | 310999 | 153643 |
| 3.449 | | 84701 | 51941 |
| 3.465 | | 4009 | 1185 |
| 3.475 | | 18487 | 9500 |
| 3.51 | | 1082508 | 838565 |
| 3.546 | | 3346 | 1517 |
| 3.566 | | 21535 | 12206 |
| 3.585 | | 23201 | 13131 |
| 3.619 | | 202694 | 121755 |
| 3.634 | | 56707 | 27220 |
| 3.677 | | 882027 | 512802 |
| 3.688 | | 1223616 | 584707 |
| 3.724 | | 1370190 | 1077575 |
| 3.781 | | 1639958 | 1265747 |
| 3.823 | | 207648 | 152511 |
| 3.851 | | 2624570 | 1898006 |
| 3.878 | | 1602043 | 1253725 |
| 3.899 | | 433822 | 231081 |
| 3.974 | | 3115918 | 2269251 |
| 3.997 | | 803114 | 504098 |
| 4.029 | | 982024 | 712066 |
| 4.062 | | 2688972 | 2458283 |
| 4.102 | | 810719 | 683560 |
| 4.148 | | 91828 | 85458 |
| 4.188 | | 270338 | 213367 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.22 | | 2110410 | 1393197 |
| 4.24 | | 2928154 | 1819680 |
| 4.263 | | 3152170 | 2333023 |
| 4.333 | | 253231 | 242122 |
| 4.368 | | 1989847 | 1647339 |
| 4.386 | | 677398 | 386136 |
| 4.41 | | 662003 | 447792 |
| 4.45 | | 41672 | 27420 |
| 4.472 | | 153146 | 122196 |
| 4.513 | | 817895 | 733898 |
| 4.564 | | 1250191 | 1060435 |
| 4.595 | | 668870 | 490540 |
| 4.625 | | 2120359 | 1813319 |
| 4.674 | | 36352 | 24968 |
| 4.707 | | 746698 | 716799 |
| 4.751 | | 182679 | 230431 |
| 4.796 | | 205257 | 188868 |
| 4.836 | | 1363244 | 1347272 |
| 4.869 | | 11514 | 7420 |
| 4.915 | | 140281 | 184762 |
| 4.948 | | 80155 | 59570 |
| 4.96 | | 44386 | 31289 |
| 4.998 | | 15746 | 11554 |
| 5.032 | | 1468812 | 1470419 |
| 5.081 | | 36419 | 27525 |
| 5.109 | | 44722 | 58383 |
| 5.152 | | 334633 | 313458 |
| 5.174 | | 18638 | 8213 |
| 5.191 | | 21336 | 12735 |
| 5.219 | | 61349 | 54342 |
| 5.263 | | 29318 | 27523 |
| 5.293 | | 3652 | 2351 |
| 5.325 | | 5724 | 6238 |
| 5.358 | | 120315 | 101333 |
| 5.381 | | 53559 | 38141 |
| 5.437 | | 26152 | 23827 |
| 5.475 | | 14553 | 15760 |
| 5.516 | | 22588 | 21627 |
| 5.556 | | 74851 | 67632 |
| 5.581 | | 10592 | 6827 |
| 5.617 | | 124480 | 107118 |
| 5.641 | | 36693 | 28980 |
| 5.735 | | 505 | 921 |
| 5.758 | | 458 | 303 |
| 5.82 | | 104969 | 102311 |
| 5.852 | | 3424 | 1974 |
| 5.877 | | 39000 | 45444 |
| 5.955 | | 7236 | 9290 |
| 5.984 | | 421 | 93 |
| 6.012 | | 106812 | 107650 |
| 6.076 | | 103656 | 138315 |
| 6.164 | | 604 | 939 |
| 6.199 | | 516 | 774 |
| 6.246 | | 60024 | 62509 |
| 6.29 | | 2758 | 2648 |
| 6.315 | | 702 | 220 |
| 6.35 | | 665 | 151 |
| 6.378 | | 2172 | 2505 |
| 6.418 | | 1873 | 1309 |
| 6.449 | | 101075 | 109198 |
| 6.508 | | 6682 | 8342 |
| 6.553 | | 723 | 626 |
| 6.598 | DCB | 8515159 | 9108331 |
| 6.703 | | 640 | 507 |
| 6.717 | | 497 | 172 |
| 6.74 | | 460 | 283 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.765 | | 3773 | 5277 |
| 6.834 | | 438 | 826 |
| 6.878 | | 3159 | 3986 |
| 6.957 | | 565 | 229 |
| 6.972 | | 590 | 143 |
| 6.982 | | 806 | 374 |

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 36765 | 26083 |
| 2.118 | | 1412 | 1460 |
| 2.158 | | 32110 | 22236 |
| 2.187 | | 7888 | 6523 |
| 2.233 | | 4419 | 6156 |
| 2.299 | | 12484 | 8775 |
| 2.36 | | 5151 | 8010 |
| 2.411 | | 4357 | 8487 |
| 2.474 | | 1822 | 1908 |
| 2.533 | | 7792 | 6883 |
| 2.548 | | 27769 | 19252 |
| 2.572 | | 2380 | 1107 |
| 2.615 | TCX | 21428380 | 12580890 |
| 2.659 | | 54152 | 34187 |
| 2.785 | | 145610 | 104270 |
| 2.832 | | 250459 | 244100 |
| 2.899 | | 665546 | 427764 |
| 2.948 | | 50374 | 28566 |
| 3.009 | | 161636 | 102847 |
| 3.07 | | 828 | 293 |
| 3.105 | | 1621735 | 814914 |
| 3.116 | | 299763 | 98605 |
| 3.156 | | 195060 | 115278 |
| 3.177 | | 59839 | 32713 |
| 3.203 | | 74217 | 39817 |
| 3.226 | | 1944422 | 1300626 |
| 3.263 | | 59506 | 34174 |
| 3.291 | | 46797 | 23158 |
| 3.309 | | 454805 | 243367 |
| 3.325 | | 164616 | 76925 |
| 3.35 | | 6967 | 3344 |
| 3.375 | | 2145980 | 989859 |
| 3.384 | | 2469800 | 1032636 |
| 3.404 | | 425293 | 167144 |
| 3.418 | | 2218367 | 1286064 |
| 3.492 | | 3445522 | 2096594 |
| 3.527 | | 5909478 | 3484959 |
| 3.55 | | 5360642 | 2940874 |
| 3.568 | | 1767600 | 876855 |
| 3.626 | | 2173 | 1258 |
| 3.654 | | 7537867 | 4695850 |
| 3.677 | | 2369328 | 1220491 |
| 3.697 | | 2371477 | 1368694 |
| 3.726 | | 1092503 | 537175 |
| 3.743 | | 5739088 | 3281161 |
| 3.784 | | 1882434 | 1348598 |
| 3.831 | | 382113 | 321192 |
| 3.853 | | 4634285 | 2716133 |
| 3.876 | | 10590060 | 6439648 |
| 3.901 | | 8023397 | 4829334 |
| 3.92 | | 561323 | 251639 |
| 3.939 | | 508053 | 296339 |
| 3.974 | | 3027679 | 2040691 |
| 4.008 | | 5586423 | 4188244 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.036 | | 3284392 | 1792962 |
| 4.066 | | 6648 | 2924 |
| 4.083 | | 356268 | 248942 |
| 4.118 | | 1720265 | 1257215 |
| 4.148 | | 8191 | 3847 |
| 4.175 | | 3184144 | 2334772 |
| 4.207 | | 1793740 | 1228341 |
| 4.234 | | 4971308 | 3548626 |
| 4.272 | | 94358 | 88628 |
| 4.328 | | 1847856 | 1746765 |
| 4.363 | | 453723 | 332993 |
| 4.394 | | 3175498 | 2183236 |
| 4.418 | | 85314 | 45929 |
| 4.461 | | 374812 | 241483 |
| 4.486 | | 231853 | 168758 |
| 4.535 | | 1026 | 408 |
| 4.561 | | 457890 | 457259 |
| 4.612 | | 3258914 | 2485176 |
| 4.653 | | 138389 | 130815 |
| 4.691 | | 679441 | 582887 |
| 4.722 | | 55447 | 25892 |
| 4.736 | | 38996 | 20858 |
| 4.761 | | 59150 | 40436 |
| 4.805 | | 2409 | 1092 |
| 4.819 | | 4066 | 1771 |
| 4.835 | | 8473 | 5621 |
| 4.859 | | 16785 | 9844 |
| 4.877 | | 28245 | 19212 |
| 4.91 | | 119408 | 82228 |
| 4.933 | | 236966 | 179716 |
| 4.984 | | 50112 | 46935 |
| 5.019 | | 24629 | 18746 |
| 5.053 | | 45311 | 38372 |
| 5.082 | | 99029 | 66149 |
| 5.103 | | 223310 | 183284 |
| 5.146 | | 2803 | 1270 |
| 5.176 | | 104612 | 88454 |
| 5.257 | | 4288 | 3576 |
| 5.295 | | 5948 | 5405 |
| 5.317 | | 106240 | 87237 |
| 5.364 | | 200368 | 209628 |
| 5.432 | | 907 | 654 |
| 5.462 | | 1302 | 609 |
| 5.481 | | 968 | 482 |
| 5.517 | | 227474 | 205620 |
| 5.585 | | 220199 | 201640 |
| 5.635 | | 84146 | 69102 |
| 5.68 | | 903 | 687 |
| 5.71 | | 753 | 396 |
| 5.741 | | 130157 | 106766 |
| 5.772 | | 7607 | 11089 |
| 5.871 | | 1488 | 9276 |
| 5.893 | | 4593 | 3330 |
| 5.939 | | 298859 | 241785 |
| 5.969 | | 6784 | 4328 |
| 5.994 | | 1536 | 949 |
| 6.03 | | 1057 | 511 |
| 6.056 | | 2382 | 1624 |
| 6.097 | DCB | 29261830 | 24017140 |
| 6.212 | | 5644 | 7745 |
| 6.28 | | 1421 | 1039 |
| 6.321 | | 1837 | 2288 |
| 6.374 | | 725 | 770 |
| 6.386 | | 1691 | 485 |
| 6.407 | | 1408 | 806 |
| 6.434 | | 4423 | 4419 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.466 | | 1734 | 1029 |
| 6.499 | | 1047 | 284 |
| 6.547 | | 28741 | 27643 |
| 6.624 | | 1493 | 1331 |
| 6.659 | | 2960 | 4443 |
| 6.698 | | 1442 | 724 |
| 6.72 | | 4619 | 4592 |
| 6.771 | | 1055 | 1137 |
| 6.808 | | 862 | 816 |
| 6.831 | | 1429 | 553 |
| 6.87 | | 1104 | 597 |

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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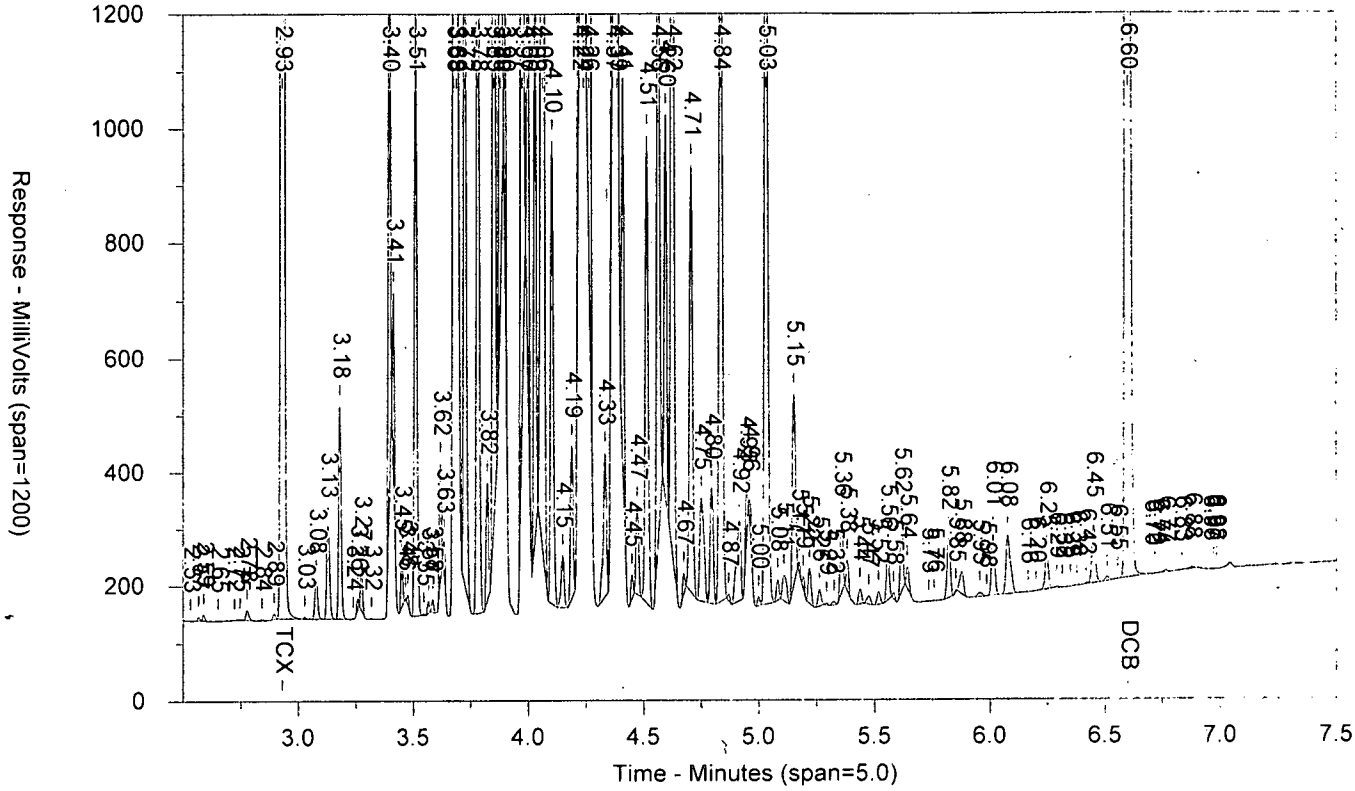


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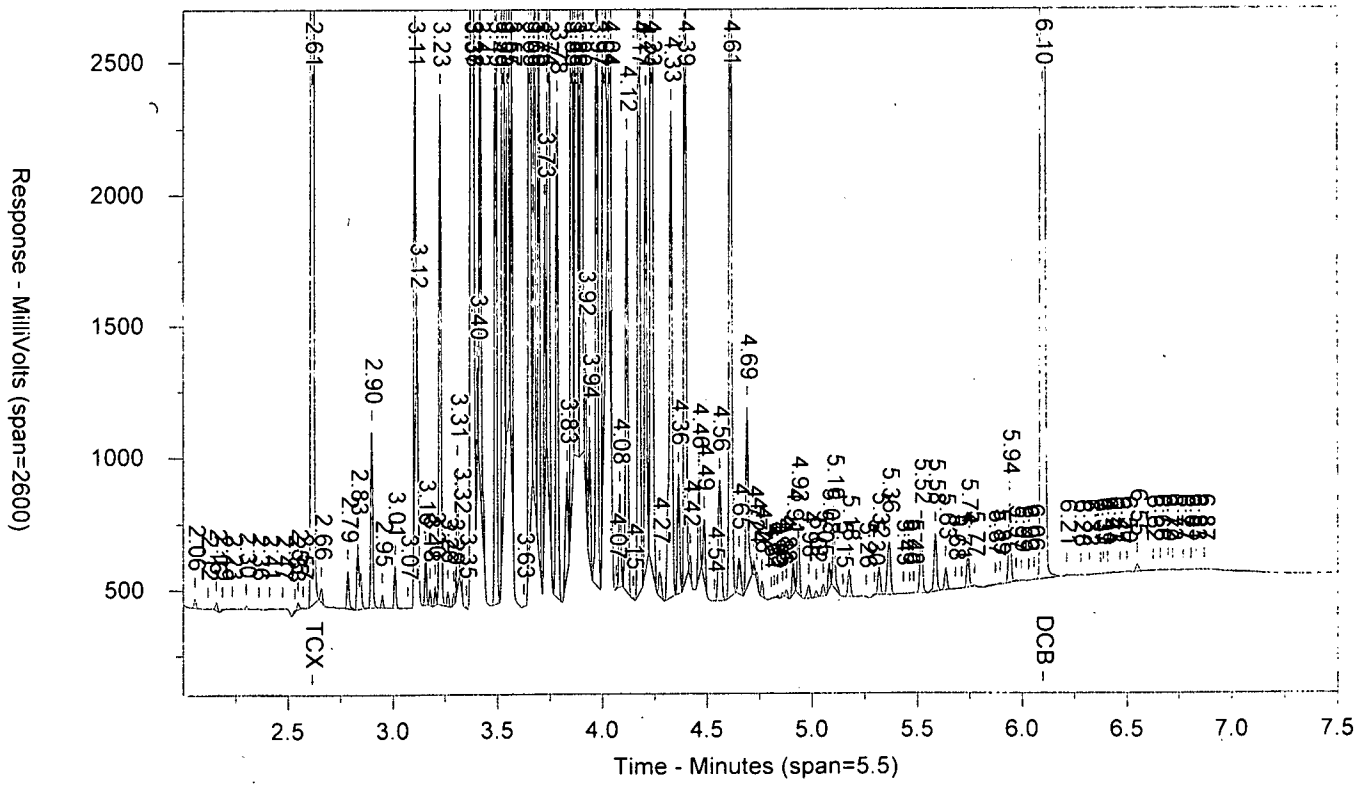

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 11926360 | 81.306 | TCX | 2.615 | 21428380 | 80.54 | TCX |
| 6.598 | 8515159 | 74.528 | DCB | 6.097 | 29261830 | 79.037 | DCB |

Files:
Area File: 25PCBs17289001.018.RAW
Area File: 25PCBs17289001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:04:11 PM
File Reported On: 10/16/2017 at 10:04:22 PM

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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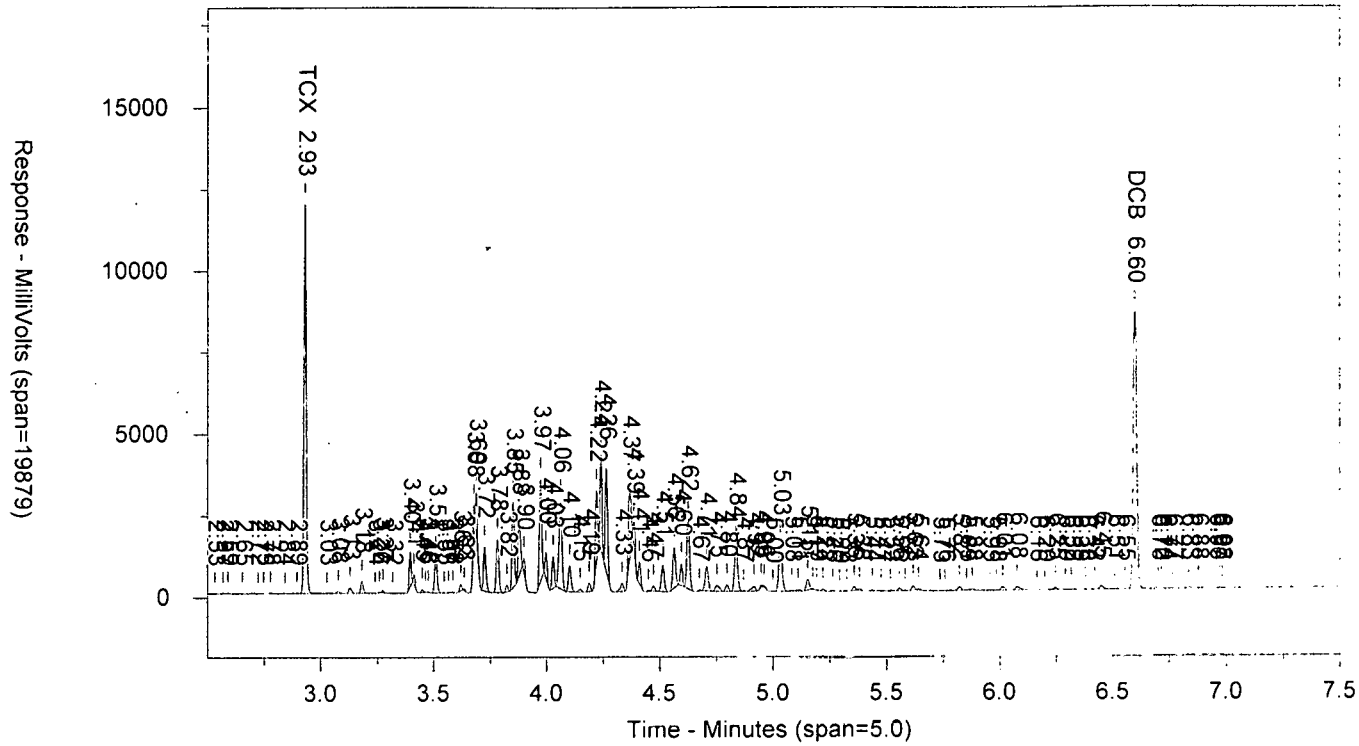


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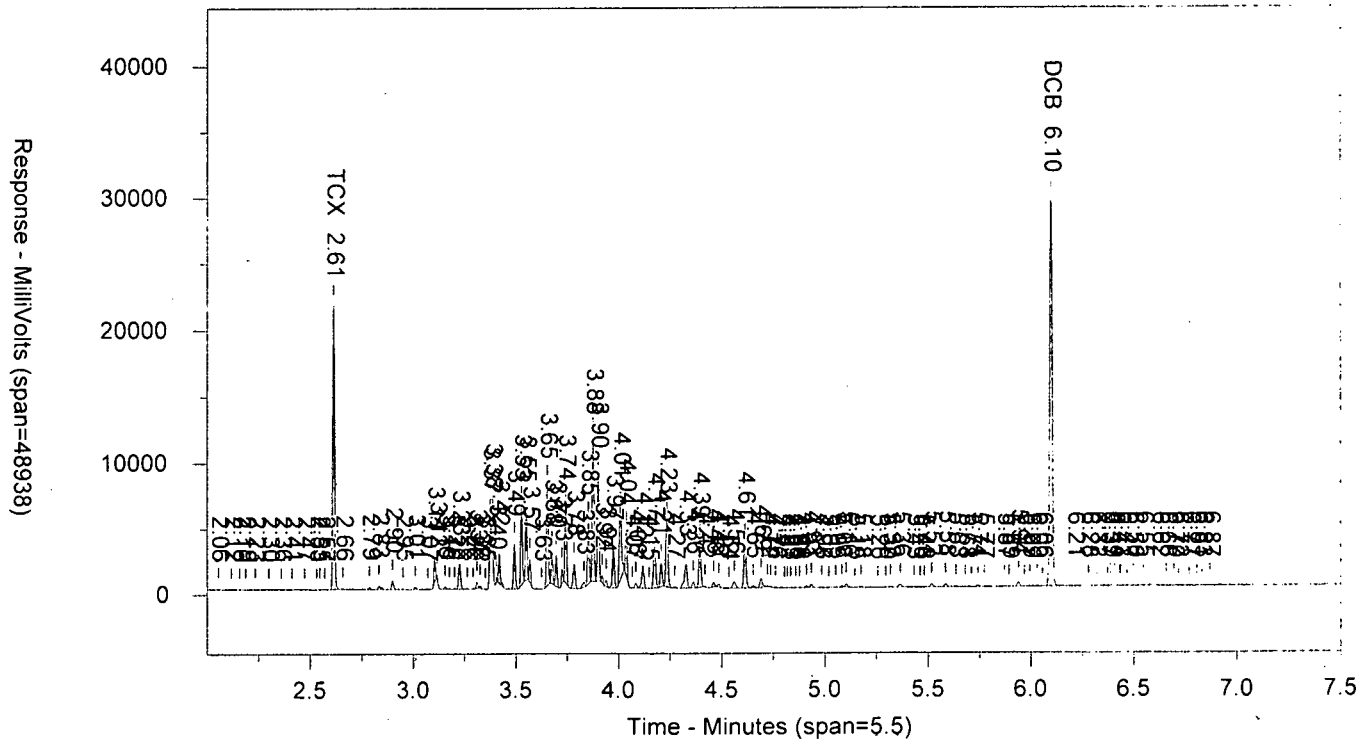

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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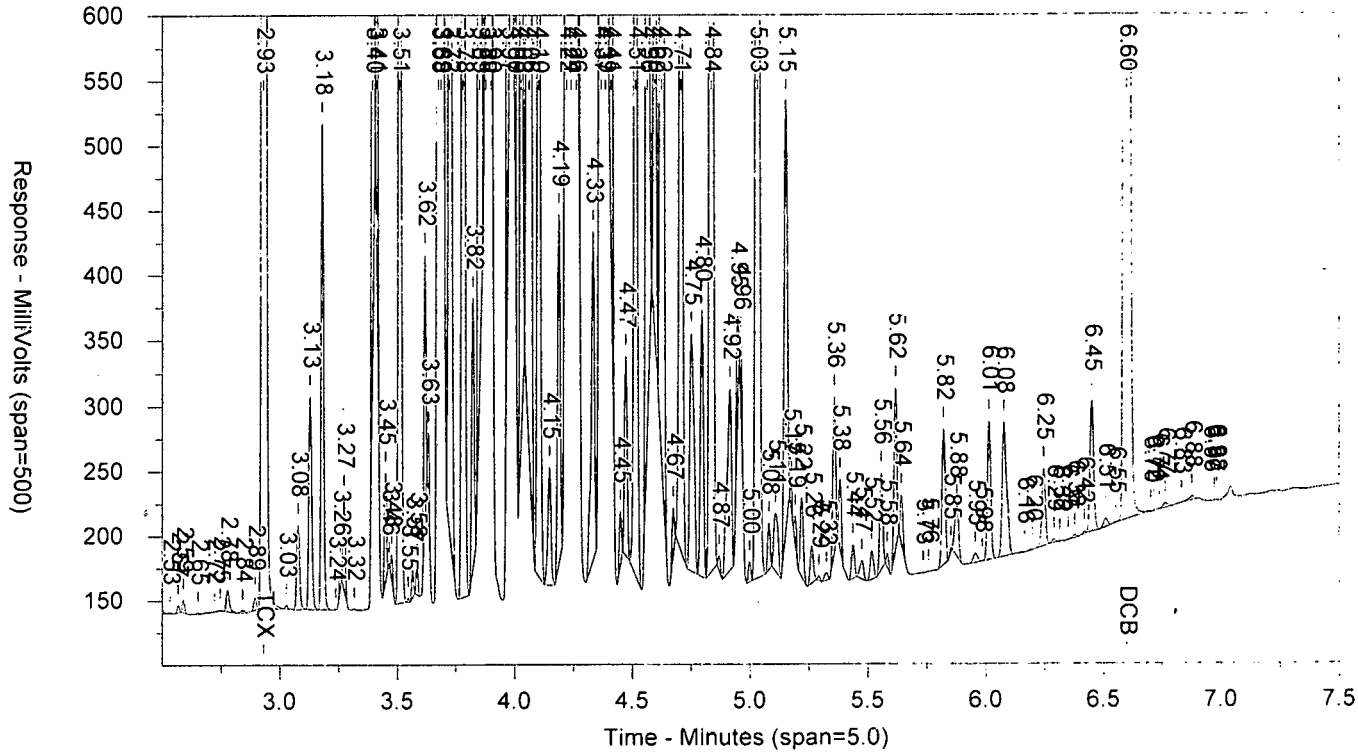


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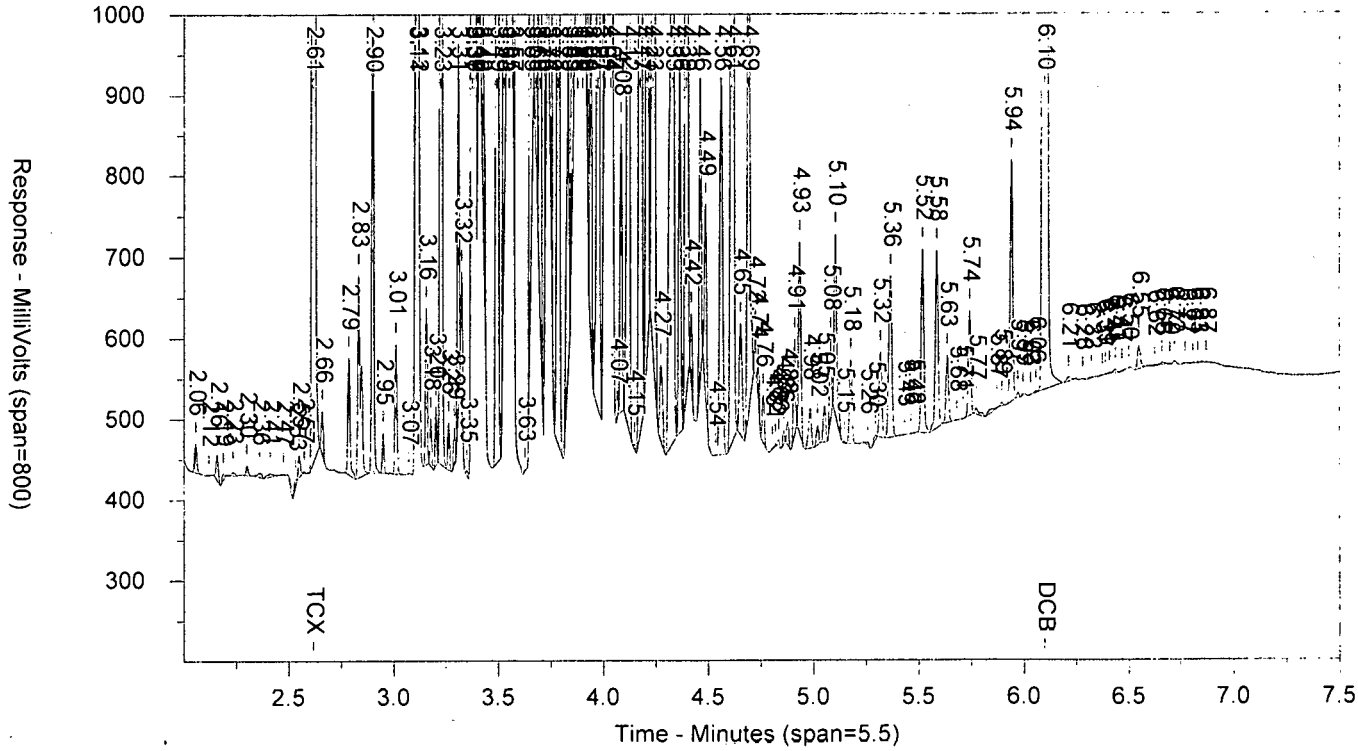

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.01 | | 512 | 314 |
| 2.036 | | 9877 | 10349 |
| 2.083 | | 11109 | 24746 |
| 2.206 | | 309 | 218 |
| 2.232 | | 1559 | 1895 |
| 2.33 | | 13902 | 10032 |
| 2.366 | | 2629 | 4716 |
| 2.491 | | 7089 | 8008 |
| 2.53 | | 1075 | 864 |
| 2.589 | | 9625 | 6830 |
| 2.649 | | 685 | 733 |
| 2.702 | | 337 | 141 |
| 2.748 | | 1254 | 1661 |
| 2.778 | | 21781 | 20700 |
| 2.875 | | 481 | 336 |
| 2.894 | | 5024 | 4396 |
| 2.931 | TCX | 288145 | 202827 |
| 3.095 | | 465 | 818 |
| 3.127 | | 3910 | 3295 |
| 3.181 | | 1369 | 955 |
| 3.223 | | 421 | 127 |
| 3.26 | | 5285 | 5767 |
| 3.359 | | 509 | 182 |
| 3.397 | | 2337 | 3058 |
| 3.449 | | 498 | 267 |
| 3.464 | | 929 | 645 |
| 3.503 | | 3606 | 3714 |
| 3.541 | | 992 | 874 |
| 3.603 | | 4515 | 5026 |
| 3.676 | | 6572 | 8530 |
| 3.725 | | 4281 | 4221 |
| 3.779 | | 3383 | 3123 |
| 3.852 | | 66477 | 51126 |
| 3.878 | | 16407 | 13682 |
| 3.93 | | 4244 | 4070 |
| 3.974 | | 41687 | 31670 |
| 3.998 | | 1538 | 821 |
| 4.031 | | 4123 | 3325 |
| 4.062 | | 17639 | 14916 |
| 4.103 | | 3038 | 2540 |
| 4.166 | | 6175 | 5007 |
| 4.188 | | 2174 | 1221 |
| 4.223 | | 87124 | 62966 |
| 4.24 | | 30553 | 15636 |
| 4.266 | | 31760 | 28457 |
| 4.335 | | 27835 | 22807 |
| 4.376 | | 147707 | 165881 |
| 4.411 | | 58360 | 47612 |
| 4.452 | | 1730 | 1256 |
| 4.472 | | 9122 | 7369 |
| 4.514 | | 53969 | 49049 |
| 4.565 | | 102230 | 88091 |
| 4.596 | | 21870 | 14622 |
| 4.626 | | 195271 | 177613 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.676 | | 11960 | 12022 |
| 4.709 | | 23857 | 19050 |
| 4.75 | | 69058 | 68246 |
| 4.796 | | 13419 | 11738 |
| 4.837 | | 141764 | 138974 |
| 4.869 | | 2123 | 1128 |
| 4.898 | | 15301 | 18486 |
| 4.949 | | 85190 | 139423 |
| 5.034 | | 104883 | 111029 |
| 5.083 | | 11138 | 8588 |
| 5.107 | | 10245 | 14836 |
| 5.153 | | 148377 | 135463 |
| 5.175 | | 6556 | 3085 |
| 5.192 | | 4421 | 2485 |
| 5.22 | | 5641 | 4486 |
| 5.265 | | 5828 | 7114 |
| 5.323 | | 4672 | 5596 |
| 5.358 | | 45923 | 38641 |
| 5.382 | | 10250 | 7538 |
| 5.439 | | 6021 | 5645 |
| 5.476 | | 5000 | 4775 |
| 5.518 | | 2183 | 2088 |
| 5.557 | | 29382 | 26558 |
| 5.583 | | 3741 | 2616 |
| 5.618 | | 22462 | 19683 |
| 5.649 | | 4809 | 5808 |
| 5.723 | | 462 | 592 |
| 5.764 | | 599 | 509 |
| 5.821 | | 20447 | 19029 |
| 5.854 | | 2506 | 1933 |
| 5.882 | | 676 | 382 |
| 5.957 | | 4173 | 5549 |
| 6.013 | | 4941 | 5065 |
| 6.076 | | 5799 | 8459 |
| 6.15 | | 627 | 882 |
| 6.187 | | 757 | 297 |
| 6.243 | | 4557 | 6224 |
| 6.295 | | 708 | 1583 |
| 6.323 | | 590 | 486 |
| 6.364 | | 698 | 547 |
| 6.403 | | 762 | 823 |
| 6.448 | | 3119 | 4401 |
| 6.509 | | 4206 | 5462 |
| 6.597 | DCB | 264176 | 282405 |
| 6.677 | | 813 | 606 |
| 6.711 | | 428 | 650 |
| 6.766 | | 2375 | 4421 |
| 6.876 | | 3872 | 10189 |
| 6.972 | | 771 | 297 |

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.158 | | 26180 | 18859 |
| 2.187 | | 5532 | 7064 |
| 2.231 | | 4289 | 4812 |
| 2.356 | | 2911 | 4040 |
| 2.534 | | 4784 | 3525 |
| 2.548 | | 41329 | 35196 |
| 2.615 | TCX | 530244 | 317888 |
| 2.718 | | 4008 | 20903 |
| 2.833 | | 10472 | 8049 |
| 2.876 | | 1445 | 1570 |
| 2.95 | | 2013 | 1293 |
| 2.986 | | 1854 | 1759 |
| 3.075 | | 2142 | 1847 |
| 3.118 | | 4417 | 5445 |
| 3.141 | | 434 | 88 |
| 3.156 | | 1028 | 275 |
| 3.163 | | 600 | 98 |
| 3.184 | | 7140 | 4792 |
| 3.21 | | 1029 | 215 |
| 3.227 | | 3309 | 2464 |
| 3.265 | | 2380 | 1521 |
| 3.28 | | 628 | 157 |
| 3.285 | | 809 | 139 |
| 3.291 | | 1406 | 434 |
| 3.311 | | 1086 | 470 |
| 3.328 | | 8471 | 4998 |
| 3.353 | | 1421 | 457 |
| 3.377 | | 4562 | 3323 |
| 3.384 | | 2740 | 934 |
| 3.405 | | 2170 | 1102 |
| 3.419 | | 4810 | 2895 |
| 3.449 | | 2859 | 1742 |
| 3.476 | | 524 | 134 |
| 3.493 | | 5738 | 4080 |
| 3.528 | | 155374 | 94618 |
| 3.551 | | 44947 | 25594 |
| 3.567 | | 4371 | 1646 |
| 3.59 | | 612 | 349 |
| 3.629 | | 953 | 488 |
| 3.654 | | 99109 | 61388 |
| 3.677 | | 8213 | 4360 |
| 3.699 | | 8487 | 5217 |
| 3.727 | | 2505 | 1125 |
| 3.743 | | 36579 | 22311 |
| 3.783 | | 8402 | 6007 |
| 3.823 | | 7371 | 6528 |
| 3.854 | | 34583 | 19583 |
| 3.876 | | 333804 | 224830 |
| 3.901 | | 38677 | 20939 |
| 3.92 | | 35825 | 19343 |
| 3.94 | | 77111 | 50330 |
| 3.975 | | 315985 | 216003 |
| 4.006 | | 119619 | 74933 |
| 4.023 | | 75320 | 39388 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.084 | | 26557 | 23832 |
| 4.119 | | 118445 | 84459 |
| 4.144 | | 2394 | 2090 |
| 4.175 | | 241737 | 176786 |
| 4.208 | | 67367 | 50025 |
| 4.235 | | 408740 | 315380 |
| 4.273 | | 31833 | 29248 |
| 4.327 | | 209338 | 175705 |
| 4.364 | | 30121 | 23201 |
| 4.396 | | 271363 | 190871 |
| 4.419 | | 44977 | 28063 |
| 4.462 | | 174849 | 134371 |
| 4.488 | | 8505 | 4988 |
| 4.533 | | 847 | 285 |
| 4.561 | | 147745 | 149498 |
| 4.614 | | 183687 | 148813 |
| 4.653 | | 52081 | 41403 |
| 4.692 | | 290146 | 285911 |
| 4.738 | | 20684 | 13146 |
| 4.762 | | 10416 | 7412 |
| 4.821 | | 1829 | 1141 |
| 4.878 | | 15675 | 13682 |
| 4.912 | | 14752 | 10478 |
| 4.935 | | 92373 | 72611 |
| 4.985 | | 6908 | 5414 |
| 5.02 | | 10022 | 8241 |
| 5.051 | | 7049 | 6058 |
| 5.083 | | 47642 | 32692 |
| 5.105 | | 32138 | 21464 |
| 5.122 | | 4849 | 2881 |
| 5.179 | | 5655 | 5456 |
| 5.247 | | 1124 | 894 |
| 5.319 | | 3543 | 8186 |
| 5.361 | | 43570 | 43697 |
| 5.441 | | 1050 | 495 |
| 5.466 | | 1001 | 673 |
| 5.519 | | 12961 | 17771 |
| 5.586 | | 14043 | 17903 |
| 5.638 | | 4228 | 5076 |
| 5.701 | | 1389 | 1978 |
| 5.742 | | 3753 | 4034 |
| 5.781 | | 1364 | 1419 |
| 5.795 | | 2071 | 1867 |
| 5.883 | | 895 | 6905 |
| 5.915 | | 1331 | 702 |
| 5.939 | | 7994 | 6968 |
| 5.969 | | 1250 | 320 |
| 6.003 | | 3579 | 3815 |
| 6.051 | | 2047 | 2321 |
| 6.097 | DCB | 789332 | 701738 |
| 6.146 | | 2671 | 3736 |
| 6.276 | | 2929 | 18928 |
| 6.315 | | 1351 | 1371 |
| 6.332 | | 1063 | 401 |
| 6.358 | | 878 | 303 |
| 6.394 | | 1117 | 548 |
| 6.418 | | 1395 | 1391 |
| 6.475 | | 1337 | 558 |
| 6.486 | | 1295 | 609 |
| 6.507 | | 1164 | 300 |
| 6.533 | | 1118 | 402 |
| 6.571 | | 620 | 2568 |
| 6.629 | | 962 | 1569 |
| 6.665 | | 1546 | 1992 |
| 6.689 | | 861 | 354 |
| 6.714 | | 1160 | 1705 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.768 | | 1277 | 1090 |
| 6.794 | | 1624 | 359 |
| 6.821 | | 960 | 274 |
| 6.865 | | 1814 | 3704 |
| 6.957 | | 1472 | 836 |
| 6.972 | | 1269 | 1420 |

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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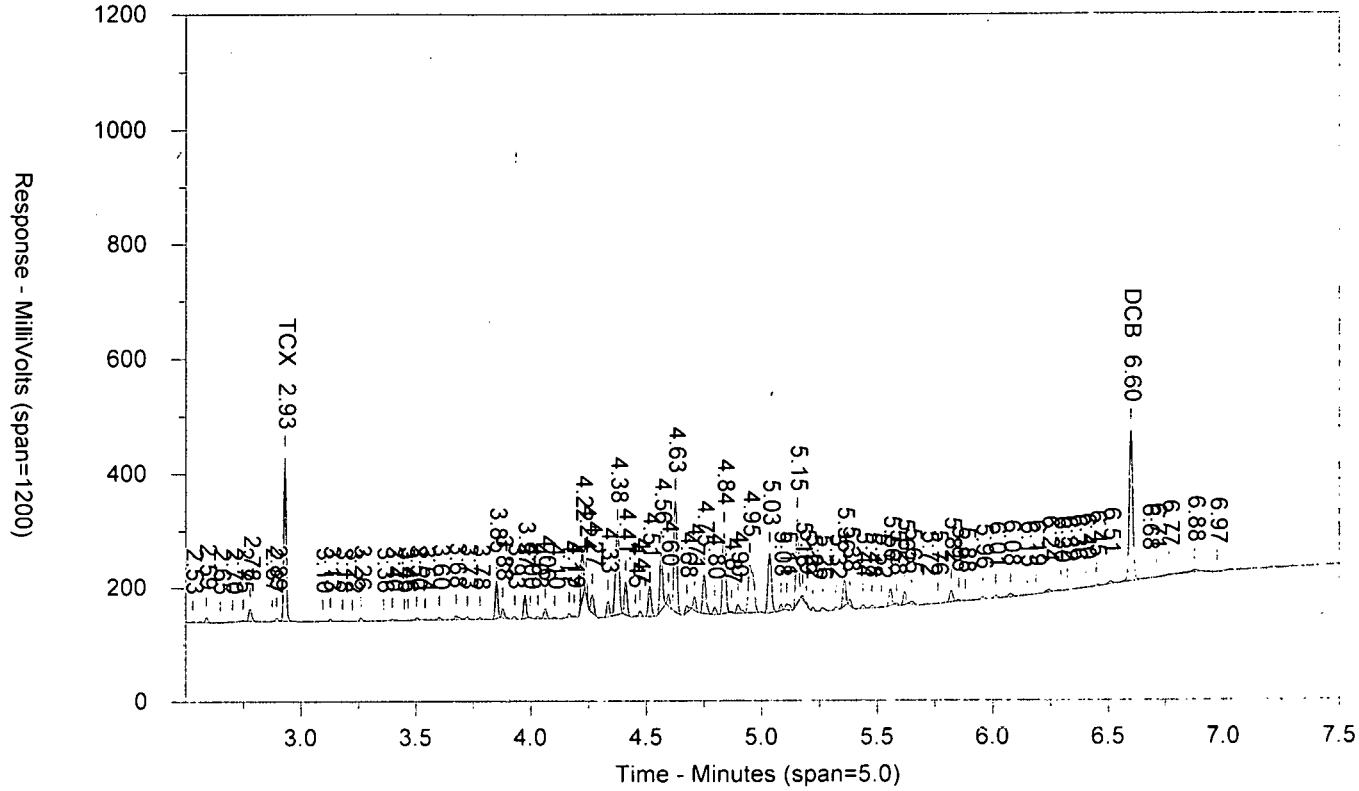


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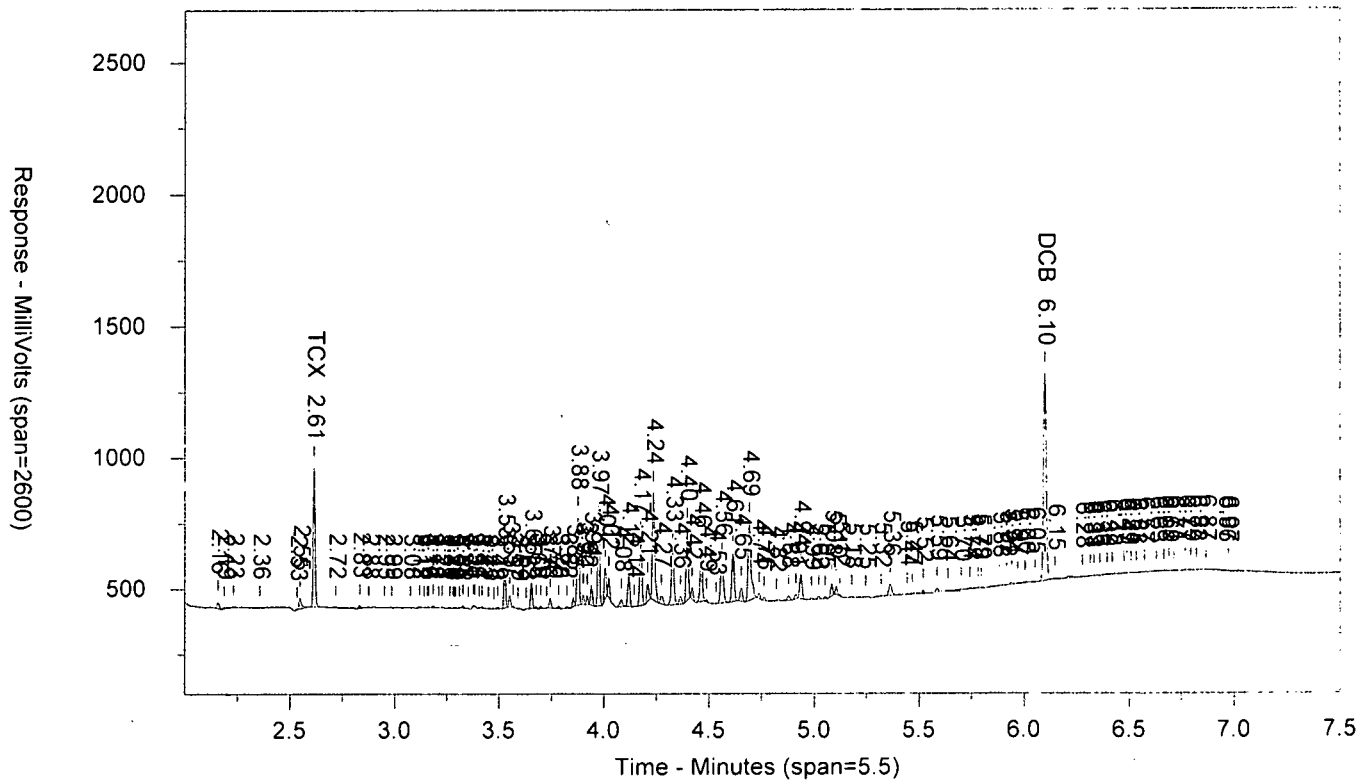

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 288145 | 1.964 | TCX | 2.615 | 530244 | 1.993 | TCX |
| 6.597 | 264176 | 2.312 | DCB | 6.097 | 789332 | 2.132 | DCB |

Files:
Area File: 25PCBs17289001.019.RAW
Area File: 25PCBs17289001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:15:29 PM
File Reported On: 10/16/2017 at 10:15:38 PM

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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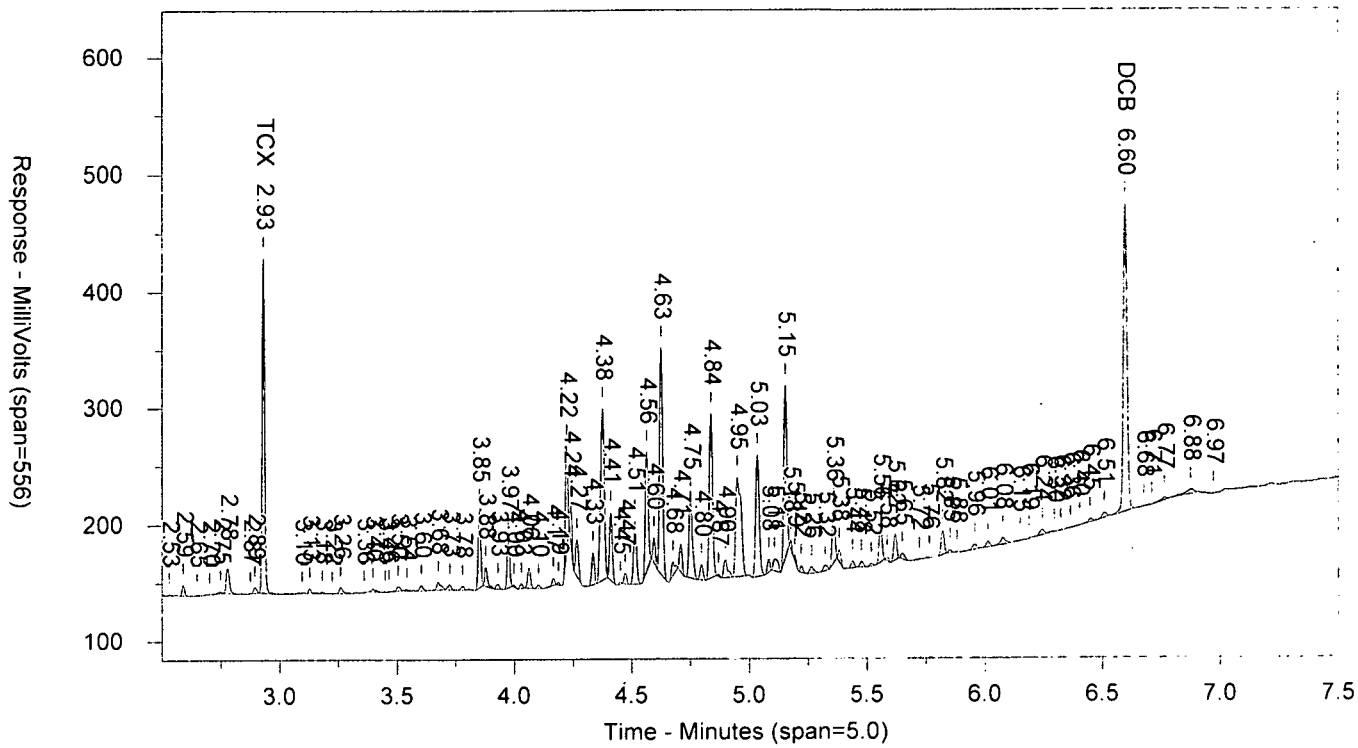


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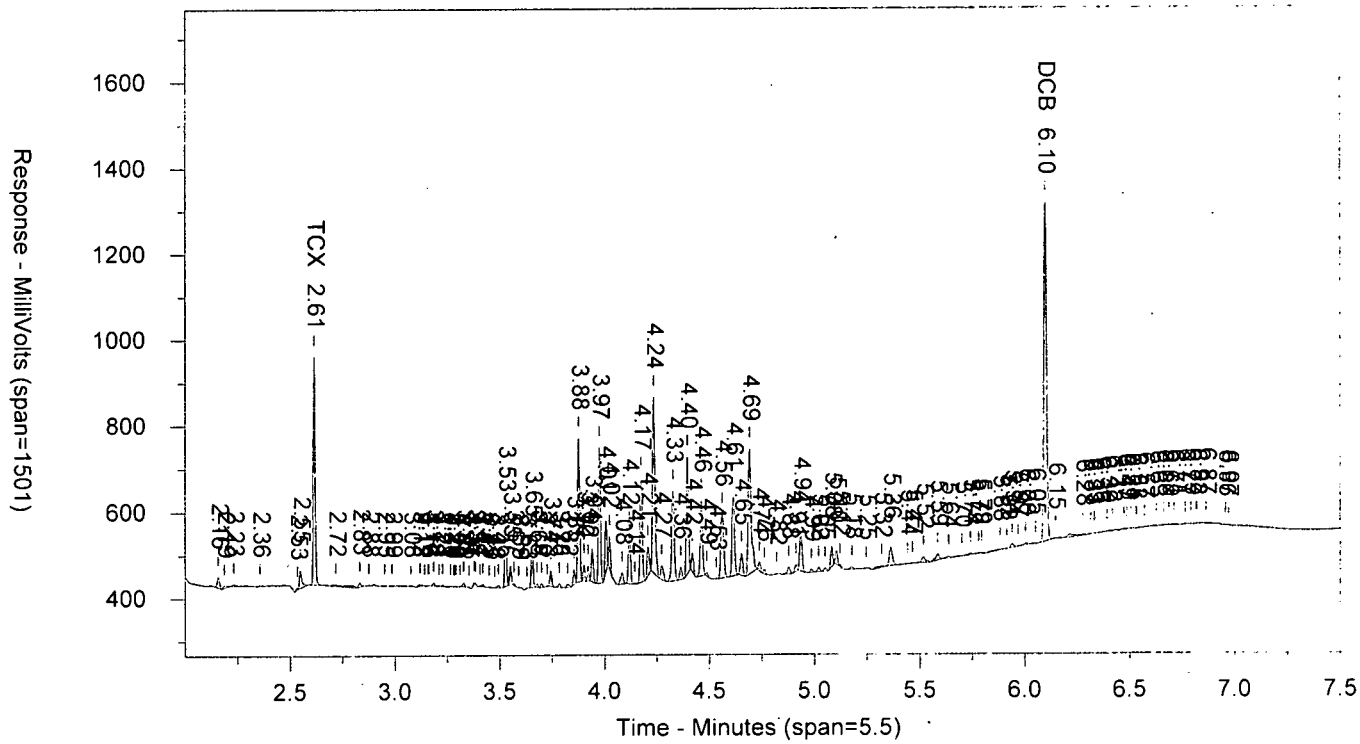

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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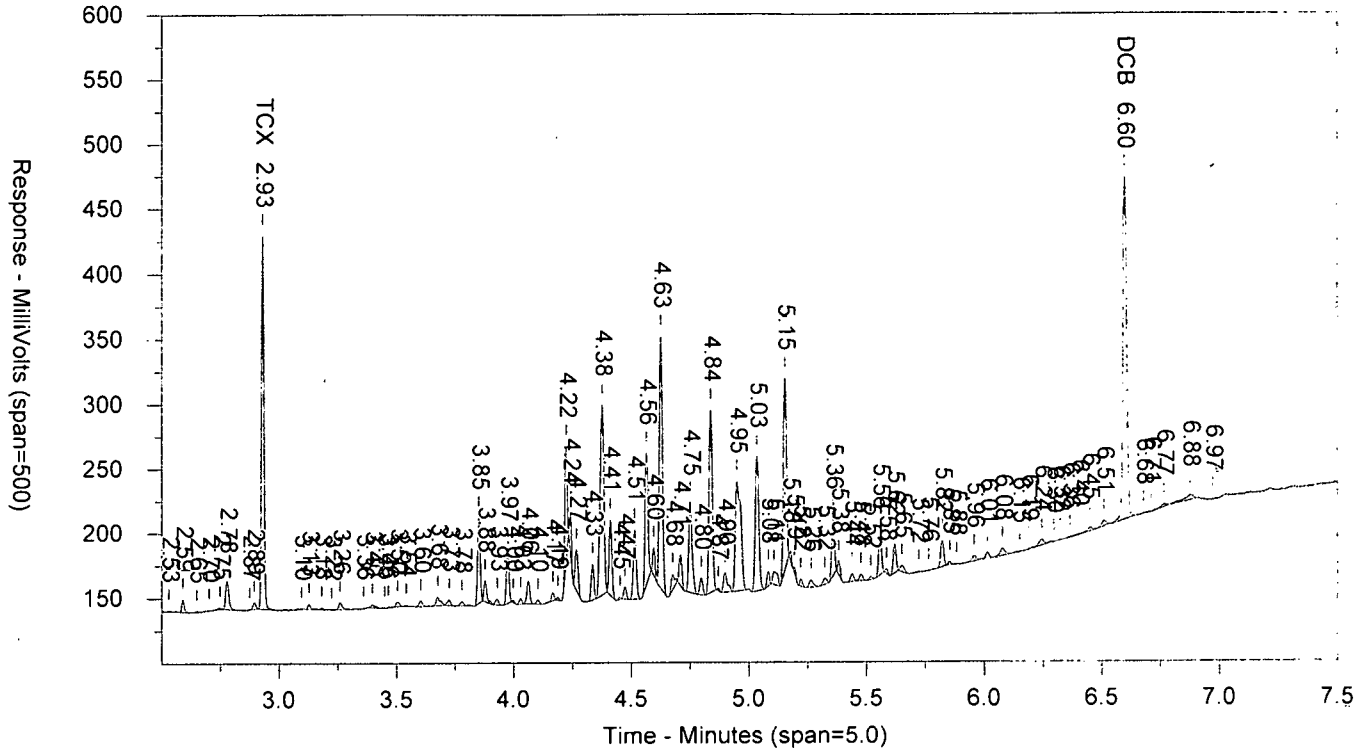


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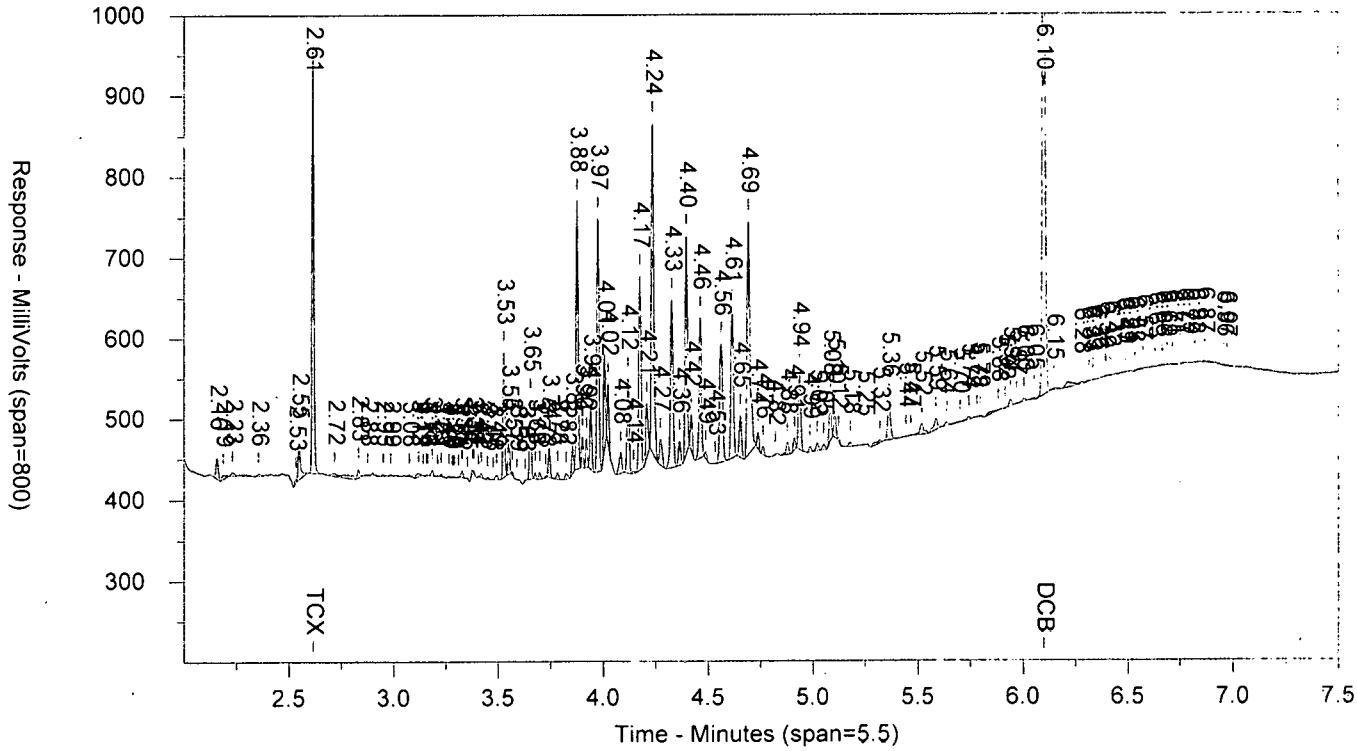


LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.012 | | 406 | 193 |
| 2.037 | | 5517 | 5608 |
| 2.081 | | 17904 | 36351 |
| 2.23 | | 2603 | 2388 |
| 2.308 | | 418 | 227 |
| 2.33 | | 12256 | 8953 |
| 2.366 | | 2568 | 3934 |
| 2.49 | | 4555 | 5453 |
| 2.529 | | 726 | 627 |
| 2.589 | | 5440 | 3690 |
| 2.655 | | 544 | 439 |
| 2.746 | | 1457 | 1877 |
| 2.778 | | 32537 | 33943 |
| 2.894 | | 2700 | 2288 |
| 2.93 | TCX | 547796 | 382775 |
| 3.023 | | 629 | 832 |
| 3.078 | | 714 | 537 |
| 3.099 | | 743 | 517 |
| 3.126 | | 7205 | 5576 |
| 3.18 | | 2706 | 2268 |
| 3.259 | | 4345 | 5409 |
| 3.396 | | 4302 | 6705 |
| 3.465 | | 714 | 368 |
| 3.479 | | 472 | 295 |
| 3.508 | | 3951 | 3619 |
| 3.536 | | 899 | 817 |
| 3.563 | | 751 | 457 |
| 3.585 | | 720 | 323 |
| 3.602 | | 1686 | 1765 |
| 3.675 | | 6524 | 9267 |
| 3.723 | | 6664 | 5580 |
| 3.78 | | 4714 | 4701 |
| 3.807 | | 430 | 285 |
| 3.849 | | 127438 | 96089 |
| 3.876 | | 29932 | 21239 |
| 3.923 | | 2010 | 1808 |
| 3.972 | | 81728 | 60999 |
| 3.996 | | 3034 | 1759 |
| 4.027 | | 7059 | 5140 |
| 4.061 | | 33053 | 27888 |
| 4.1 | | 5983 | 4907 |
| 4.163 | | 5414 | 3738 |
| 4.185 | | 5045 | 3309 |
| 4.221 | | 155321 | 114751 |
| 4.237 | | 54403 | 29320 |
| 4.264 | | 56402 | 47674 |
| 4.332 | | 54315 | 44299 |
| 4.374 | | 262634 | 304151 |
| 4.409 | | 110236 | 90706 |
| 4.449 | | 3815 | 2488 |
| 4.471 | | 17965 | 14091 |
| 4.512 | | 104874 | 94340 |
| 4.563 | | 192291 | 168375 |
| 4.593 | | 44117 | 29833 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.623 | | 368448 | 334982 |
| 4.673 | | 16769 | 11948 |
| 4.688 | | 4149 | 1647 |
| 4.707 | | 50642 | 38042 |
| 4.749 | | 126086 | 130498 |
| 4.794 | | 25173 | 22706 |
| 4.835 | | 265517 | 261606 |
| 4.866 | | 3937 | 2339 |
| 4.895 | | 30077 | 35799 |
| 4.947 | | 161886 | 254535 |
| 4.996 | | 2805 | 1992 |
| 5.032 | | 198974 | 212465 |
| 5.079 | | 21561 | 17006 |
| 5.104 | | 9056 | 6085 |
| 5.152 | | 265408 | 249077 |
| 5.172 | | 11711 | 5268 |
| 5.189 | | 8939 | 5735 |
| 5.218 | | 9556 | 7681 |
| 5.261 | | 11397 | 13314 |
| 5.324 | | 2070 | 2326 |
| 5.356 | | 89084 | 77986 |
| 5.38 | | 21660 | 14841 |
| 5.41 | | 756 | 340 |
| 5.437 | | 11271 | 10170 |
| 5.475 | | 9197 | 8770 |
| 5.515 | | 3054 | 2987 |
| 5.555 | | 58662 | 54050 |
| 5.579 | | 6847 | 4979 |
| 5.616 | | 44412 | 40878 |
| 5.645 | | 2803 | 3259 |
| 5.725 | | 414 | 588 |
| 5.819 | | 41492 | 38241 |
| 5.85 | | 5615 | 3847 |
| 5.956 | | 2330 | 2849 |
| 6.012 | | 6511 | 6593 |
| 6.076 | | 7345 | 11390 |
| 6.142 | | 451 | 369 |
| 6.166 | | 390 | 113 |
| 6.243 | | 4000 | 4574 |
| 6.28 | | 1026 | 958 |
| 6.31 | | 488 | 189 |
| 6.32 | | 546 | 219 |
| 6.334 | | 495 | 193 |
| 6.355 | | 490 | 346 |
| 6.449 | | 5746 | 7521 |
| 6.507 | | 3739 | 4915 |
| 6.597 | DCB | 492552 | 507601 |
| 6.729 | | 453 | 236 |
| 6.764 | | 796 | 713 |
| 6.825 | | 745 | 1226 |
| 6.855 | | 585 | 594 |
| 6.875 | | 3198 | 5818 |
| 6.974 | | 467 | 386 |

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

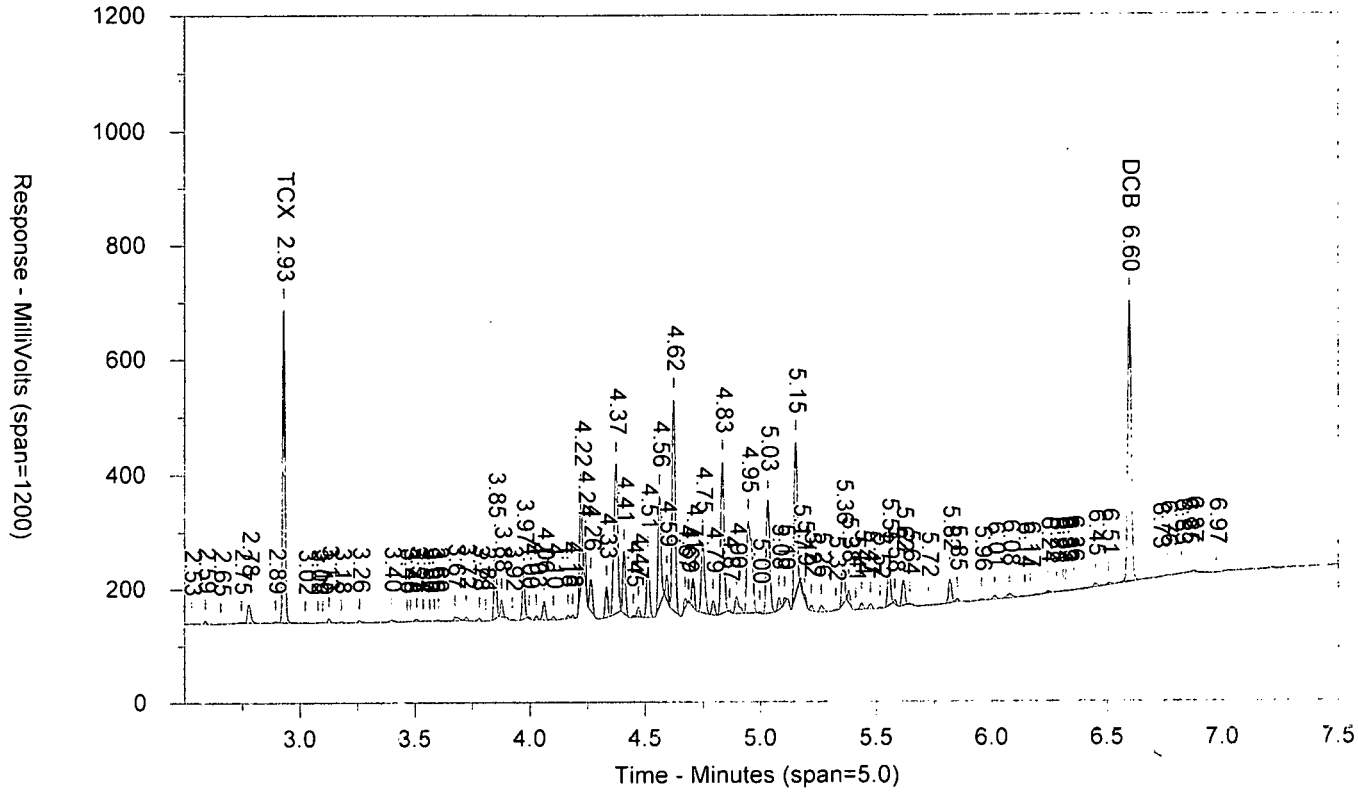
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.158 | | 15419 | 10235 |
| 2.187 | | 2295 | 1946 |
| 2.233 | | 4769 | 5638 |
| 2.354 | | 2930 | 3849 |
| 2.411 | | 1612 | 2404 |
| 2.532 | | 6896 | 4713 |
| 2.548 | | 64987 | 64313 |
| 2.615 | TCX | 974883 | 593318 |
| 2.714 | | 2660 | 2279 |
| 2.767 | | 1188 | 1515 |
| 2.833 | | 16619 | 11368 |
| 2.885 | | 941 | 1326 |
| 2.897 | | 4343 | 2974 |
| 2.949 | | 2816 | 1293 |
| 2.983 | | 1868 | 2859 |
| 3.071 | | 652 | 241 |
| 3.088 | | 736 | 237 |
| 3.106 | | 4659 | 2129 |
| 3.118 | | 2104 | 1040 |
| 3.143 | | 610 | 159 |
| 3.158 | | 932 | 381 |
| 3.182 | | 4219 | 3191 |
| 3.206 | | 723 | 281 |
| 3.226 | | 6111 | 3503 |
| 3.249 | | 539 | 73 |
| 3.264 | | 3053 | 1696 |
| 3.291 | | 2734 | 1703 |
| 3.311 | | 1947 | 1084 |
| 3.324 | | 2947 | 2089 |
| 3.348 | | 1745 | 1506 |
| 3.374 | | 9550 | 4292 |
| 3.383 | | 4814 | 2195 |
| 3.404 | | 4484 | 1981 |
| 3.419 | | 8893 | 5729 |
| 3.448 | | 1572 | 845 |
| 3.481 | | 647 | 145 |
| 3.492 | | 8959 | 5055 |
| 3.526 | | 282757 | 172758 |
| 3.55 | | 86815 | 47923 |
| 3.567 | | 8415 | 3691 |
| 3.584 | | 931 | 1643 |
| 3.627 | | 1066 | 595 |
| 3.636 | | 666 | 162 |
| 3.652 | | 181545 | 113195 |
| 3.676 | | 13429 | 6871 |
| 3.697 | | 16669 | 10736 |
| 3.725 | | 4079 | 1975 |
| 3.741 | | 71735 | 43065 |
| 3.783 | | 15789 | 11519 |
| 3.823 | | 12521 | 10777 |
| 3.852 | | 62335 | 35183 |
| 3.874 | | 630137 | 423604 |
| 3.9 | | 66714 | 36958 |
| 3.918 | | 67973 | 36841 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.938 | | 132602 | 82394 |
| 3.973 | | 584168 | 401214 |
| 4.004 | | 220437 | 135842 |
| 4.022 | | 133212 | 72718 |
| 4.082 | | 49113 | 38696 |
| 4.117 | | 220921 | 165061 |
| 4.173 | | 467136 | 336032 |
| 4.206 | | 125613 | 96074 |
| 4.233 | | 789607 | 596246 |
| 4.272 | | 61912 | 56857 |
| 4.325 | | 379000 | 328525 |
| 4.361 | | 57658 | 44827 |
| 4.394 | | 485922 | 367076 |
| 4.417 | | 81553 | 50100 |
| 4.461 | | 324867 | 252916 |
| 4.485 | | 15309 | 8766 |
| 4.558 | | 277362 | 281386 |
| 4.611 | | 355398 | 290550 |
| 4.651 | | 93496 | 78952 |
| 4.69 | | 567747 | 552477 |
| 4.736 | | 43098 | 25887 |
| 4.76 | | 18402 | 11966 |
| 4.818 | | 6230 | 7824 |
| 4.877 | | 29568 | 26589 |
| 4.909 | | 31186 | 20263 |
| 4.933 | | 171735 | 138888 |
| 4.984 | | 19751 | 15498 |
| 5.019 | | 19074 | 15288 |
| 5.049 | | 12416 | 9978 |
| 5.081 | | 92883 | 66149 |
| 5.103 | | 59012 | 39089 |
| 5.121 | | 8394 | 4642 |
| 5.143 | | 1883 | 1086 |
| 5.175 | | 7834 | 6792 |
| 5.251 | | 2186 | 3898 |
| 5.298 | | 1192 | 1948 |
| 5.318 | | 3067 | 3028 |
| 5.359 | | 85406 | 81306 |
| 5.408 | | 737 | 308 |
| 5.437 | | 1376 | 738 |
| 5.473 | | 880 | 1300 |
| 5.517 | | 14152 | 12311 |
| 5.563 | | 4291 | 2937 |
| 5.585 | | 14474 | 12040 |
| 5.633 | | 7012 | 6925 |
| 5.679 | | 674 | 561 |
| 5.739 | | 5488 | 4169 |
| 5.787 | | 981 | 267 |
| 5.853 | | 903 | 3000 |
| 5.872 | | 1528 | 1257 |
| 5.907 | | 1436 | 1374 |
| 5.938 | | 15154 | 12985 |
| 5.977 | | 1120 | 817 |
| 6.002 | | 3690 | 3016 |
| 6.049 | | 1333 | 1237 |
| 6.097 | DCB | 1472184 | 1287088 |
| 6.218 | | 4390 | 6289 |
| 6.282 | | 1346 | 728 |
| 6.342 | | 870 | 3626 |
| 6.35 | | 1320 | 636 |
| 6.406 | | 957 | 960 |
| 6.42 | | 816 | 290 |
| 6.483 | | 898 | 1360 |
| 6.546 | | 2276 | 2099 |
| 6.565 | | 1114 | 404 |
| 6.587 | | 1089 | 519 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.611 | | 837 | 304 |
| 6.67 | | 2411 | 5220 |
| 6.724 | | 1274 | 956 |
| 6.773 | | 1241 | 1767 |
| 6.781 | | 1071 | 464 |
| 6.871 | | 1178 | 679 |
| 6.91 | | 1221 | 319 |
| 6.924 | | 1438 | 865 |

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.020.RAW

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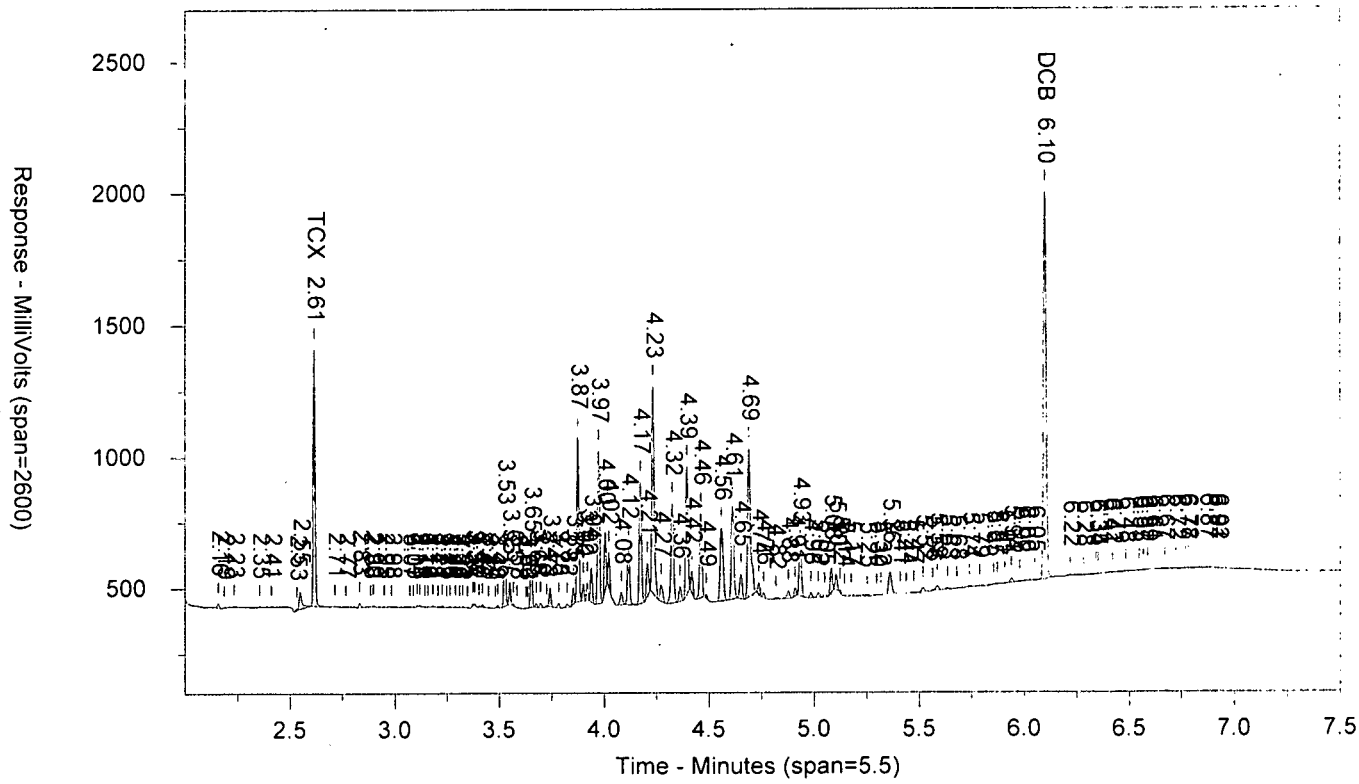


LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

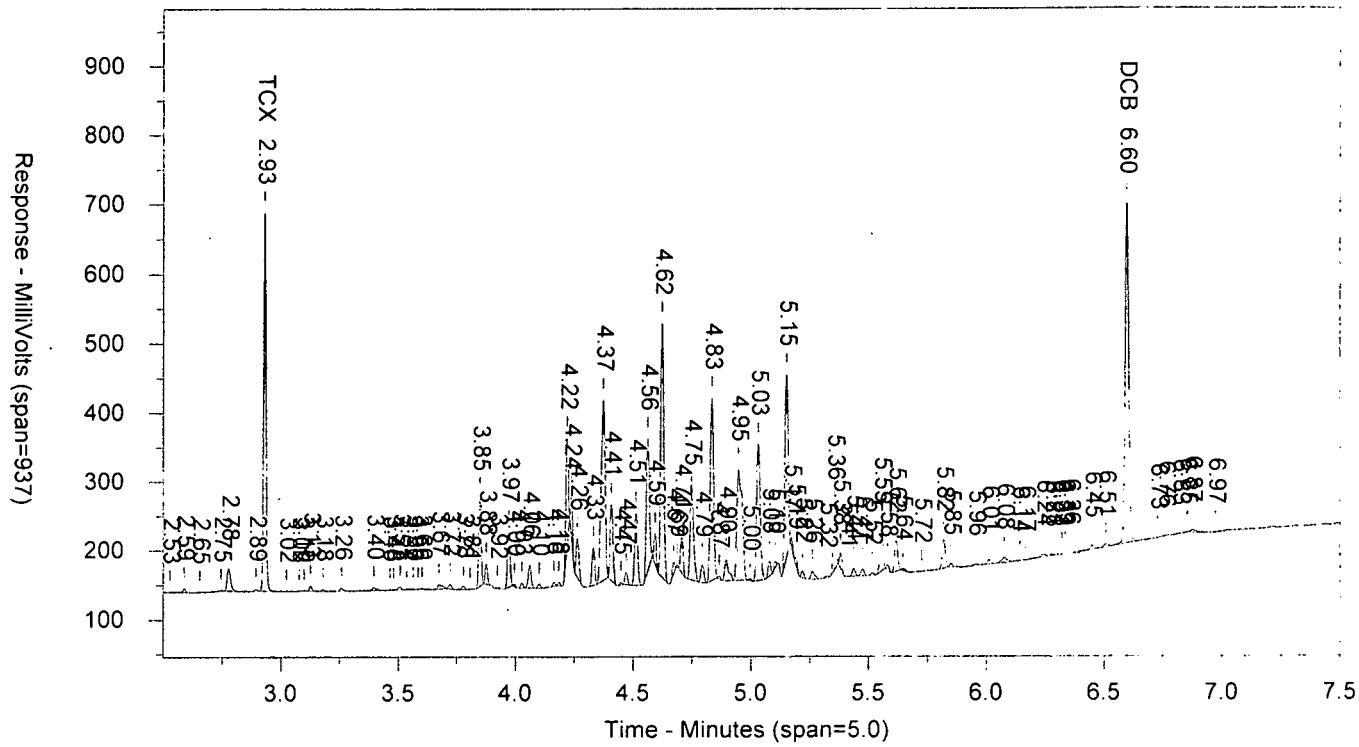
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 547796 | 3.735 | TCX | 2.615 | 974883 | 3.664 | TCX |
| 6.597 | 492552 | 4.311 | DCB | 6.097 | 1472184 | 3.976 | DCB |

Files:
Area File: 25PCBs17289001.020.RAW
Area File: 25PCBs17289001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:26:39 PM
File Reported On: 10/16/2017 at 10:26:53 PM

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.020.RAW

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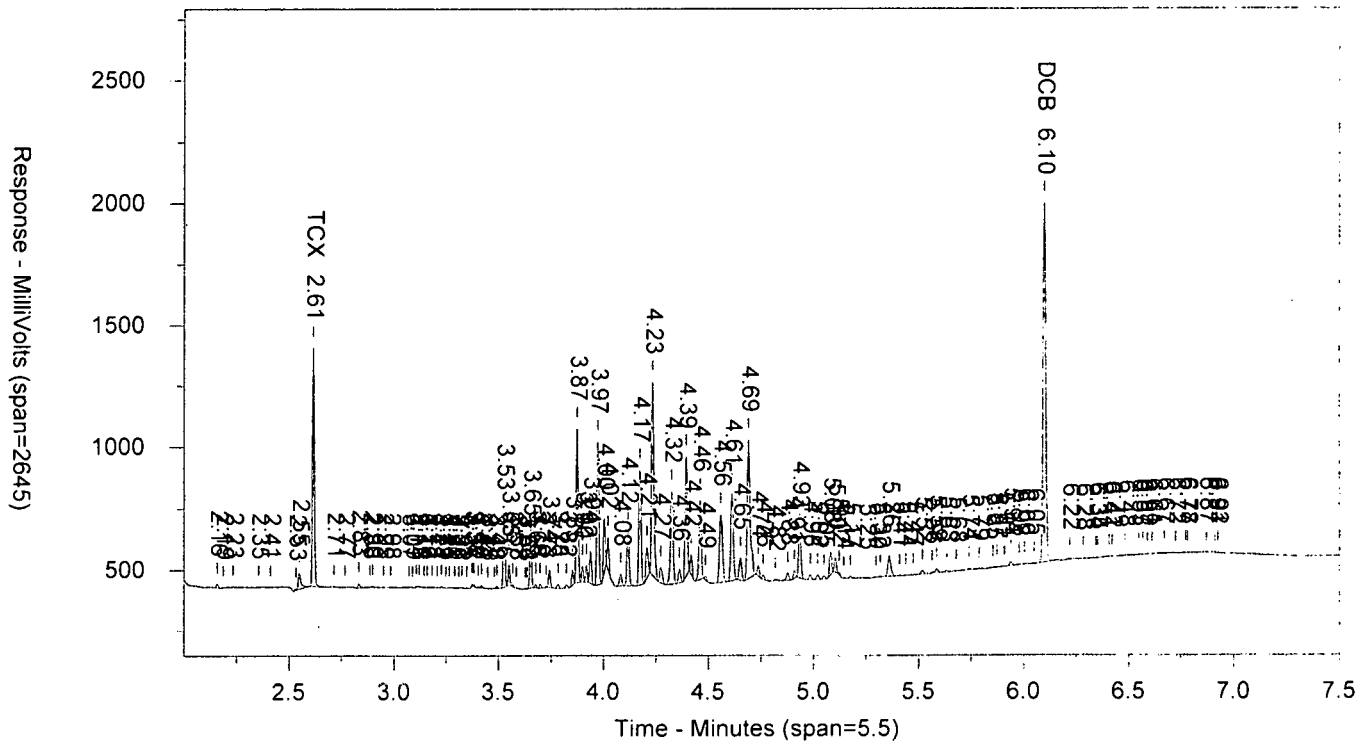

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

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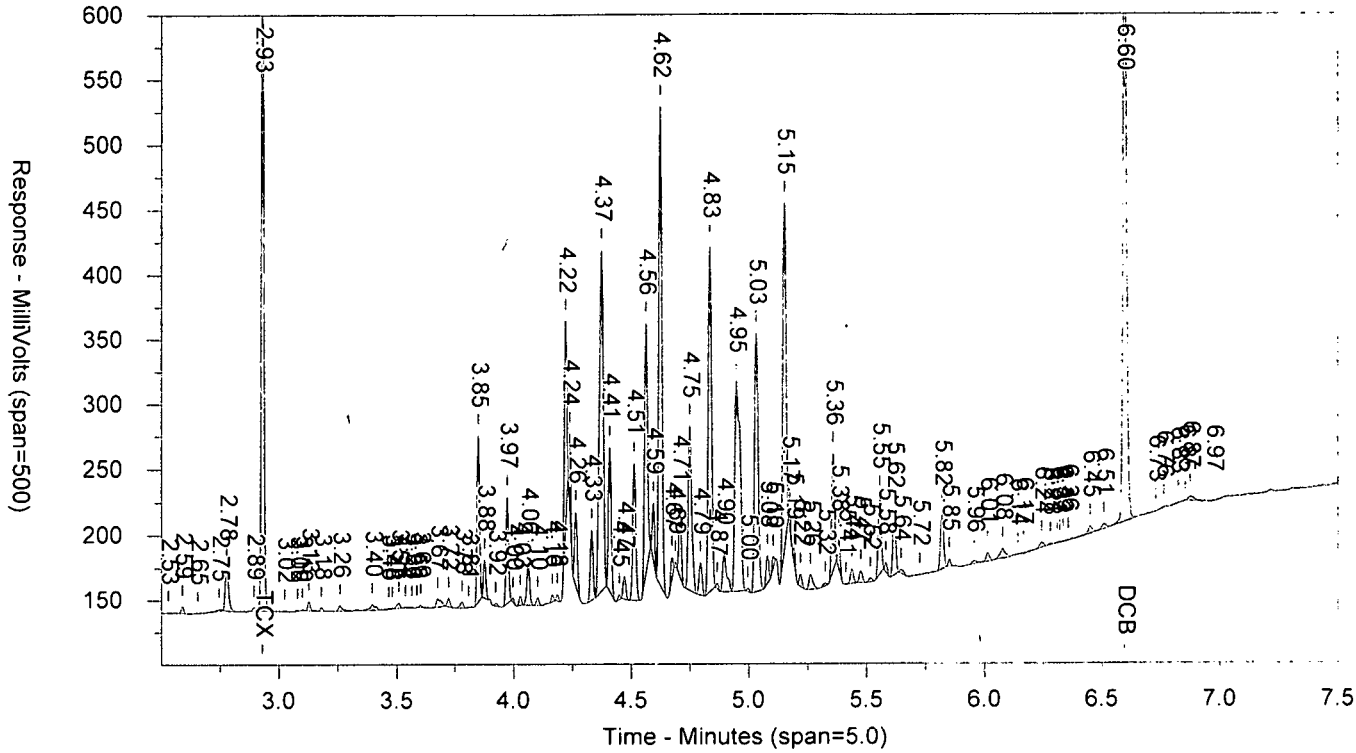


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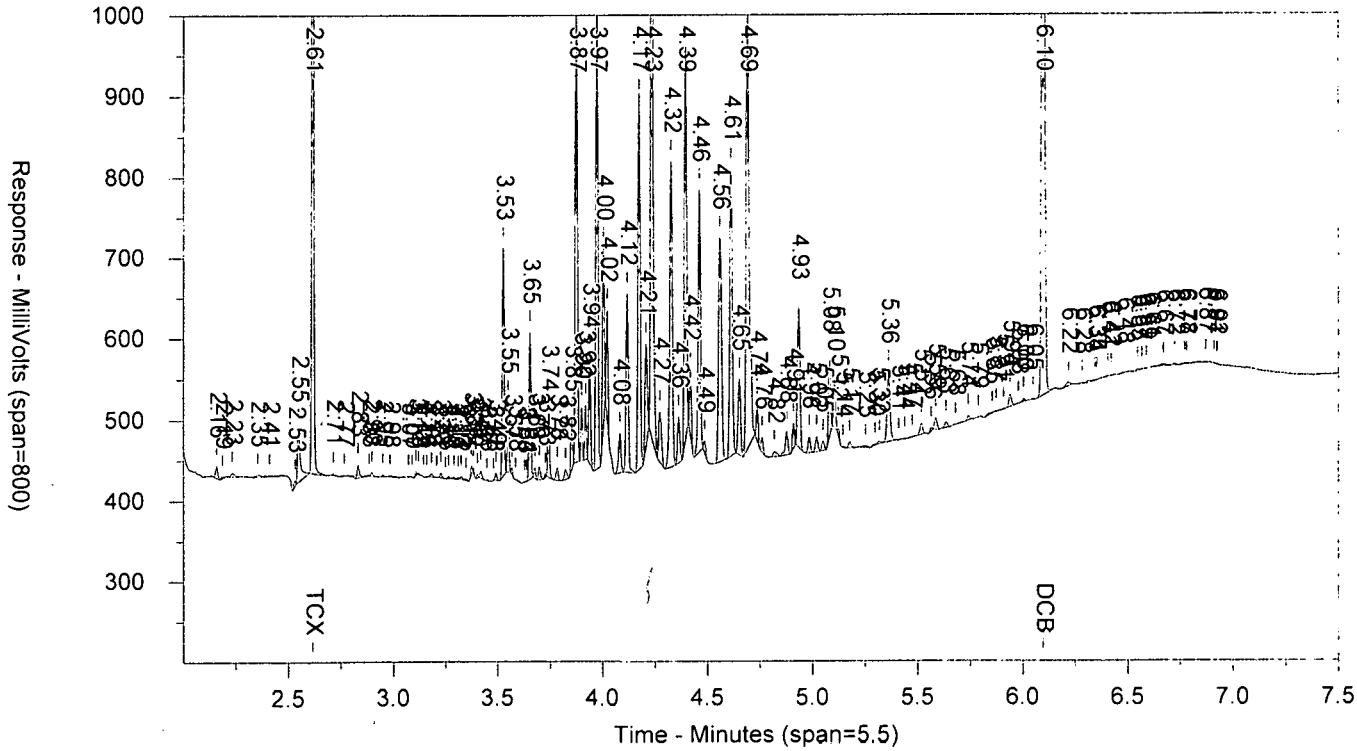


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 7459 | 7469 |
| 2.083 | | 12242 | 25051 |
| 2.165 | | 1416 | 1662 |
| 2.207 | | 291 | 124 |
| 2.231 | | 5258 | 4771 |
| 2.331 | | 14107 | 10555 |
| 2.367 | | 2430 | 2327 |
| 2.49 | | 5721 | 6473 |
| 2.534 | | 948 | 701 |
| 2.565 | | 660 | 439 |
| 2.59 | | 4222 | 2859 |
| 2.647 | | 489 | 226 |
| 2.691 | | 404 | 331 |
| 2.709 | | 585 | 217 |
| 2.749 | | 1554 | 2376 |
| 2.778 | | 20197 | 19188 |
| 2.874 | | 394 | 187 |
| 2.895 | | 3345 | 2848 |
| 2.931 | TCX | 1163843 | 797911 |
| 3.024 | | 873 | 802 |
| 3.079 | | 1304 | 2161 |
| 3.127 | | 15825 | 11091 |
| 3.181 | | 4475 | 2983 |
| 3.259 | | 5910 | 5163 |
| 3.338 | | 428 | 434 |
| 3.367 | | 466 | 262 |
| 3.396 | | 5908 | 3618 |
| 3.412 | | 2057 | 1227 |
| 3.465 | | 1195 | 770 |
| 3.482 | | 464 | 188 |
| 3.509 | | 6876 | 6227 |
| 3.539 | | 933 | 689 |
| 3.567 | | 2387 | 1366 |
| 3.587 | | 1304 | 626 |
| 3.603 | | 1835 | 1088 |
| 3.678 | | 6853 | 3978 |
| 3.689 | | 3040 | 2429 |
| 3.726 | | 12262 | 9318 |
| 3.782 | | 8710 | 7244 |
| 3.824 | | 1044 | 702 |
| 3.852 | | 231522 | 178658 |
| 3.879 | | 61109 | 41382 |
| 3.901 | | 4220 | 1911 |
| 3.926 | | 2875 | 2460 |
| 3.974 | | 148184 | 116508 |
| 3.998 | | 6683 | 3704 |
| 4.03 | | 13676 | 9970 |
| 4.063 | | 66148 | 54397 |
| 4.103 | | 11571 | 9516 |
| 4.146 | | 450 | 678 |
| 4.167 | | 5358 | 3554 |
| 4.188 | | 10867 | 7614 |
| 4.223 | | 296267 | 212208 |
| 4.24 | | 101341 | 54918 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.267 | | 105752 | 89843 |
| 4.334 | | 107704 | 86952 |
| 4.376 | | 496918 | 568712 |
| 4.411 | | 199392 | 171128 |
| 4.451 | | 7242 | 4545 |
| 4.473 | | 35334 | 27388 |
| 4.515 | | 197572 | 179130 |
| 4.565 | | 369371 | 315056 |
| 4.595 | | 81028 | 57598 |
| 4.626 | | 698269 | 639977 |
| 4.675 | | 35809 | 24933 |
| 4.691 | | 6637 | 2630 |
| 4.709 | | 96526 | 72104 |
| 4.751 | | 224080 | 247216 |
| 4.796 | | 52069 | 44790 |
| 4.837 | | 510537 | 496363 |
| 4.867 | | 7123 | 4521 |
| 4.897 | | 58953 | 70789 |
| 4.949 | | 298170 | 471014 |
| 4.998 | | 6140 | 4359 |
| 5.034 | | 372310 | 407664 |
| 5.082 | | 45437 | 34586 |
| 5.107 | | 12324 | 9213 |
| 5.118 | | 15463 | 9977 |
| 5.153 | | 517130 | 472703 |
| 5.175 | | 23299 | 10031 |
| 5.192 | | 18242 | 11539 |
| 5.22 | | 17582 | 13716 |
| 5.262 | | 21411 | 26058 |
| 5.328 | | 2217 | 2314 |
| 5.358 | | 162867 | 146560 |
| 5.382 | | 40725 | 28400 |
| 5.414 | | 920 | 465 |
| 5.438 | | 22456 | 19491 |
| 5.477 | | 19140 | 18000 |
| 5.516 | | 5530 | 5073 |
| 5.556 | | 116170 | 105952 |
| 5.581 | | 15238 | 10238 |
| 5.617 | | 84021 | 80323 |
| 5.644 | | 2878 | 4240 |
| 5.721 | | 1102 | 1556 |
| 5.822 | | 79194 | 73912 |
| 5.851 | | 10644 | 8023 |
| 5.878 | | 1317 | 881 |
| 5.957 | | 2718 | 3847 |
| 6.013 | | 12485 | 11509 |
| 6.076 | | 12931 | 19842 |
| 6.142 | | 499 | 233 |
| 6.215 | | 634 | 1053 |
| 6.247 | | 5979 | 7159 |
| 6.292 | | 692 | 853 |
| 6.328 | | 499 | 406 |
| 6.346 | | 576 | 248 |
| 6.372 | | 550 | 210 |
| 6.395 | | 515 | 291 |
| 6.451 | | 10602 | 11645 |
| 6.511 | | 3703 | 4922 |
| 6.599 | DCB | 935359 | 1008915 |
| 6.654 | | 436 | 174 |
| 6.686 | | 552 | 196 |
| 6.768 | | 921 | 742 |
| 6.791 | | 554 | 230 |
| 6.833 | | 753 | 1113 |
| 6.884 | | 4136 | 9375 |
| 6.979 | | 562 | 290 |

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

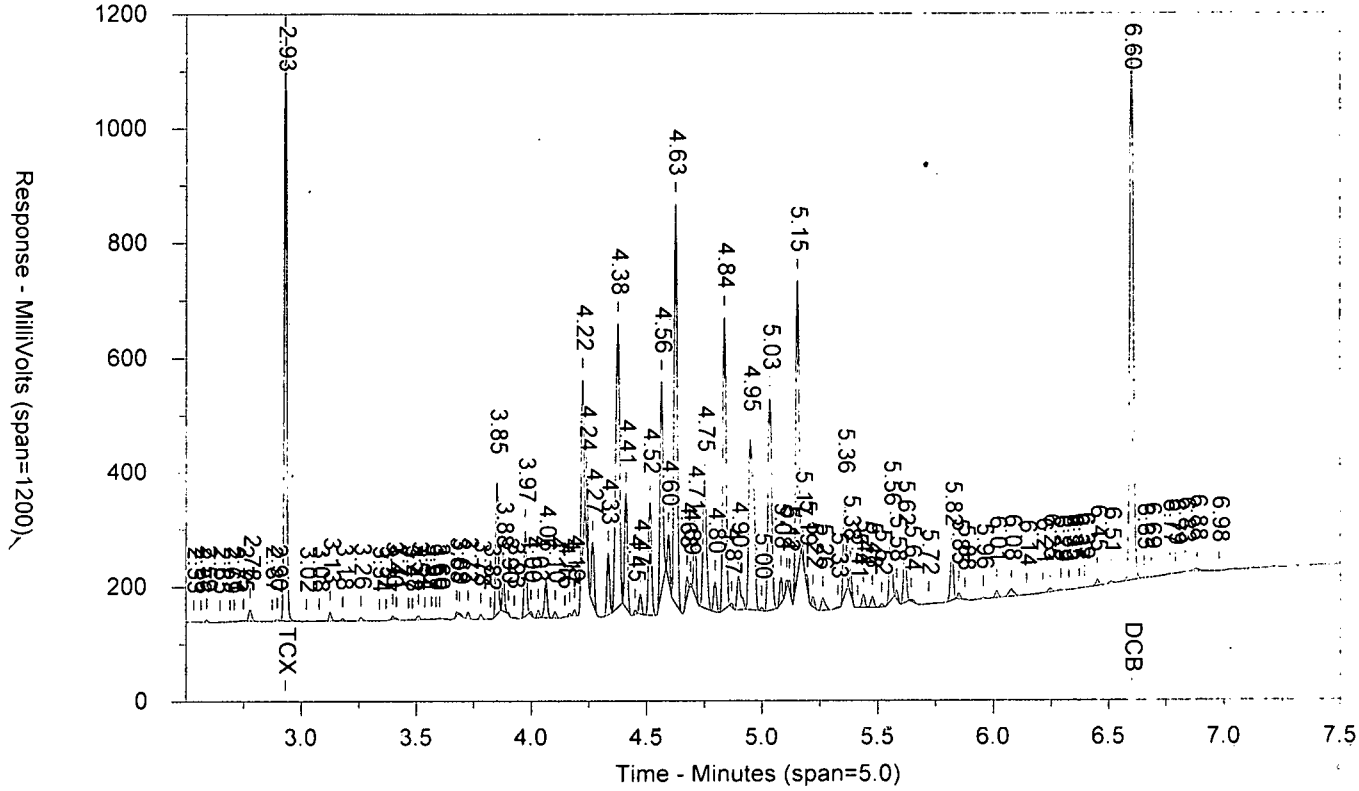
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 3963 | 3412 |
| 2.158 | | 12762 | 9293 |
| 2.205 | | 2007 | 5060 |
| 2.231 | | 4217 | 4761 |
| 2.291 | | 1748 | 2428 |
| 2.358 | | 2225 | 2053 |
| 2.413 | | 1674 | 1400 |
| 2.471 | | 9806 | 40928 |
| 2.533 | | 5486 | 4539 |
| 2.548 | | 36501 | 30205 |
| 2.615 | TCX | 2050759 | 1232317 |
| 2.715 | | 2671 | 4121 |
| 2.785 | | 2945 | 4916 |
| 2.832 | | 33171 | 21171 |
| 2.897 | | 9059 | 6437 |
| 2.948 | | 6453 | 3669 |
| 3.013 | | 1672 | 1077 |
| 3.066 | | 1066 | 342 |
| 3.081 | | 707 | 127 |
| 3.09 | | 912 | 269 |
| 3.106 | | 9617 | 5002 |
| 3.117 | | 2749 | 891 |
| 3.156 | | 1600 | 587 |
| 3.183 | | 5411 | 4218 |
| 3.202 | | 1282 | 309 |
| 3.21 | | 988 | 274 |
| 3.227 | | 12895 | 7952 |
| 3.264 | | 5654 | 3406 |
| 3.277 | | 1048 | 277 |
| 3.292 | | 5753 | 2766 |
| 3.31 | | 3515 | 1679 |
| 3.326 | | 4926 | 2733 |
| 3.352 | | 2052 | 1020 |
| 3.376 | | 14195 | 7371 |
| 3.384 | | 6803 | 2629 |
| 3.404 | | 7956 | 3785 |
| 3.419 | | 16133 | 10650 |
| 3.45 | | 2168 | 1055 |
| 3.468 | | 1396 | 309 |
| 3.493 | | 19036 | 12106 |
| 3.528 | | 514181 | 318877 |
| 3.551 | | 153195 | 88559 |
| 3.568 | | 16759 | 7231 |
| 3.627 | | 805 | 370 |
| 3.631 | | 677 | 185 |
| 3.655 | | 345139 | 210945 |
| 3.677 | | 25257 | 13503 |
| 3.699 | | 32461 | 21972 |
| 3.727 | | 10253 | 4828 |
| 3.744 | | 131525 | 81566 |
| 3.784 | | 31323 | 22550 |
| 3.824 | | 25717 | 21364 |
| 3.854 | | 116990 | 67590 |
| 3.876 | | 1214304 | 798805 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.901 | | 125418 | 71170 |
| 3.921 | | 125858 | 68845 |
| 3.94 | | 229534 | 144037 |
| 3.974 | | 1135846 | 760084 |
| 4.006 | | 412508 | 257546 |
| 4.023 | | 236576 | 128908 |
| 4.084 | | 91395 | 69264 |
| 4.119 | | 418907 | 310376 |
| 4.175 | | 904764 | 646157 |
| 4.208 | | 241843 | 179081 |
| 4.235 | | 1556351 | 1156790 |
| 4.274 | | 116581 | 109765 |
| 4.327 | | 729442 | 621769 |
| 4.363 | | 114026 | 87077 |
| 4.395 | | 1042275 | 720047 |
| 4.419 | | 148266 | 96560 |
| 4.462 | | 624759 | 478096 |
| 4.487 | | 32284 | 17749 |
| 4.561 | | 538456 | 538180 |
| 4.613 | | 740049 | 574302 |
| 4.653 | | 188200 | 149747 |
| 4.691 | | 1140145 | 1065042 |
| 4.737 | | 80349 | 51434 |
| 4.762 | | 38582 | 26040 |
| 4.821 | | 12449 | 15042 |
| 4.878 | | 58479 | 52513 |
| 4.911 | | 56223 | 38680 |
| 4.934 | | 345925 | 268812 |
| 4.985 | | 41738 | 32610 |
| 5.02 | | 36412 | 29335 |
| 5.051 | | 24224 | 19383 |
| 5.082 | | 180508 | 126260 |
| 5.104 | | 115809 | 74416 |
| 5.122 | | 17672 | 8874 |
| 5.145 | | 3321 | 1602 |
| 5.177 | | 13761 | 11779 |
| 5.22 | | 853 | 291 |
| 5.237 | | 843 | 411 |
| 5.318 | | 7008 | 9864 |
| 5.36 | | 161432 | 154940 |
| 5.487 | | 1138 | 3135 |
| 5.518 | | 28497 | 25220 |
| 5.565 | | 8013 | 5282 |
| 5.586 | | 22922 | 18257 |
| 5.636 | | 12116 | 11092 |
| 5.687 | | 1064 | 692 |
| 5.709 | | 1107 | 311 |
| 5.742 | | 10555 | 8590 |
| 5.8 | | 2749 | 4688 |
| 5.878 | | 1016 | 7308 |
| 5.94 | | 28795 | 25841 |
| 6.004 | | 3878 | 5116 |
| 6.055 | | 1387 | 1536 |
| 6.098 | DCB | 2995622 | 2620939 |
| 6.19 | | 1248 | 370 |
| 6.213 | | 5778 | 12235 |
| 6.307 | | 847 | 307 |
| 6.359 | | 1175 | 952 |
| 6.37 | | 1246 | 359 |
| 6.41 | | 1791 | 2421 |
| 6.436 | | 1224 | 865 |
| 6.478 | | 1239 | 1458 |
| 6.509 | | 1462 | 1747 |
| 6.55 | | 3915 | 3966 |
| 6.579 | | 1017 | 479 |
| 6.614 | | 1051 | 522 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.625 | | 1291 | 418 |
| 6.674 | | 2052 | 2204 |
| 6.696 | | 1181 | 903 |
| 6.724 | | 1973 | 2475 |
| 6.791 | | 684 | 319 |
| 6.798 | | 1177 | 363 |
| 6.986 | | 1209 | 373 |

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.021.RAW

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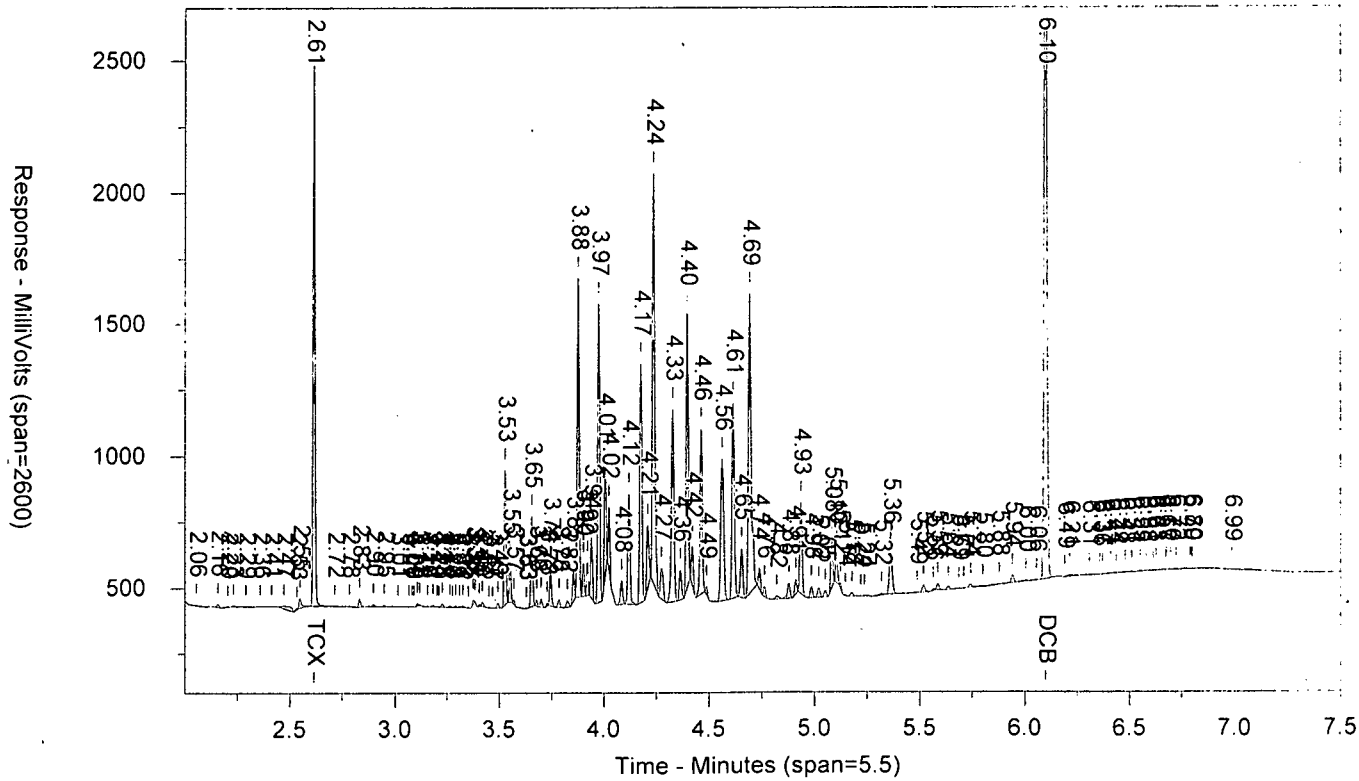


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

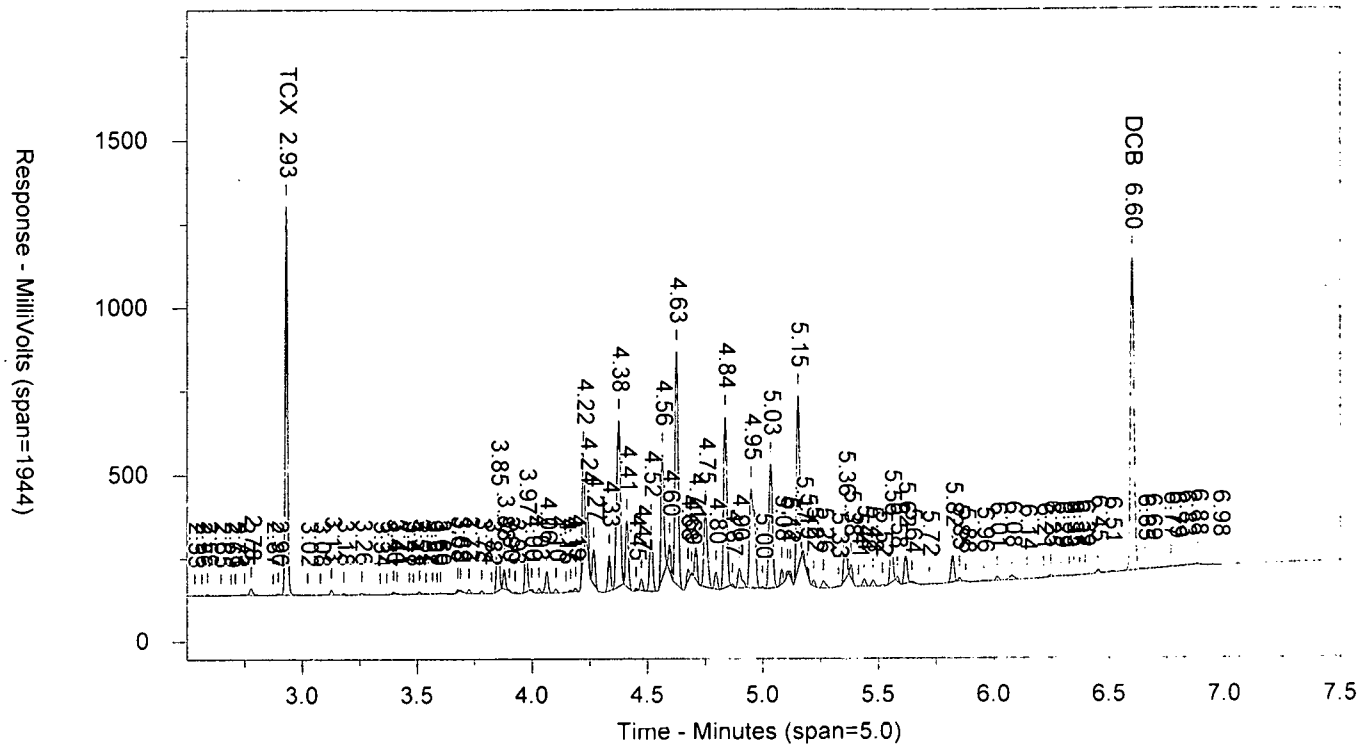
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 1163843 | 7.934 | TCX | 2.615 | 2050759 | 7.708 | TCX |
| 6.599 | 935359 | 8.187 | DCB | 6.098 | 2995622 | 8.091 | DCB |

Files:
Area File: 25PCBs17289001.021.RAW
Area File: 25PCBs17289001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:37:56 PM
File Reported On: 10/16/2017 at 10:38:05 PM

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.021.RAW

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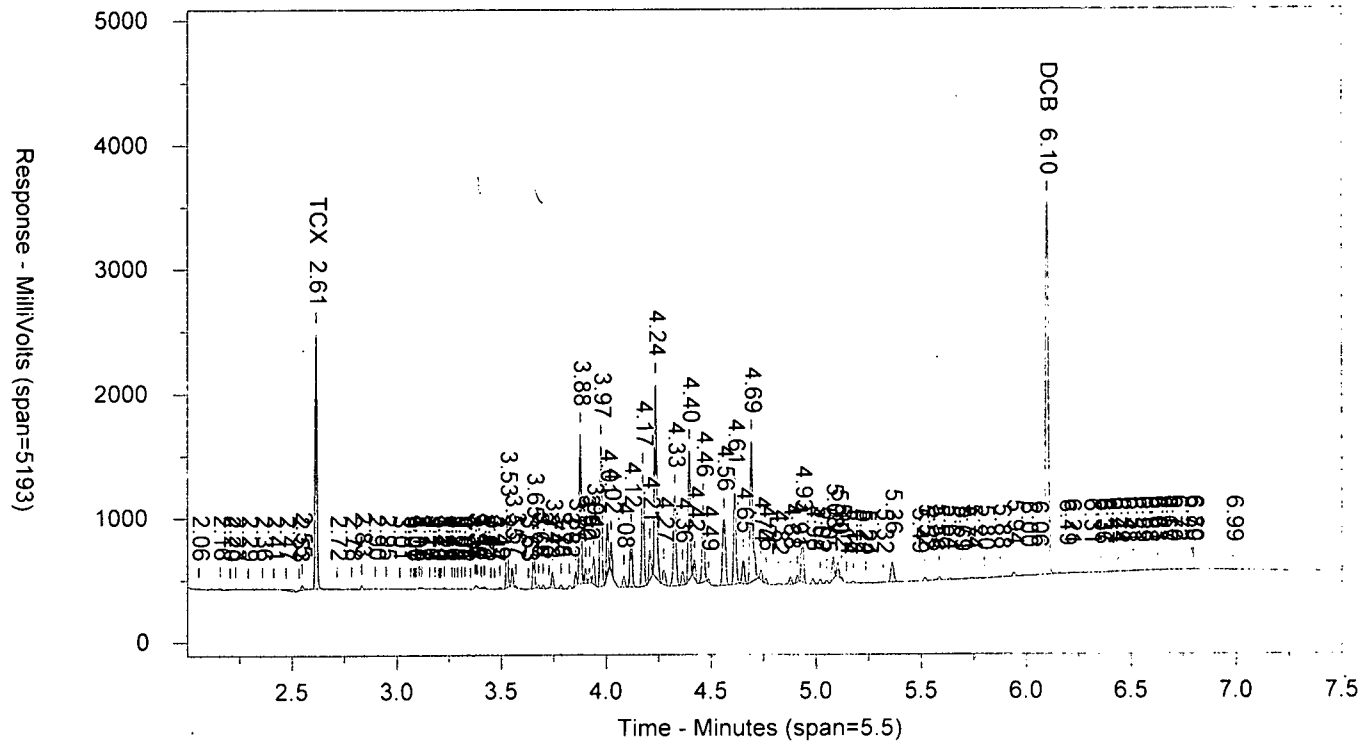

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

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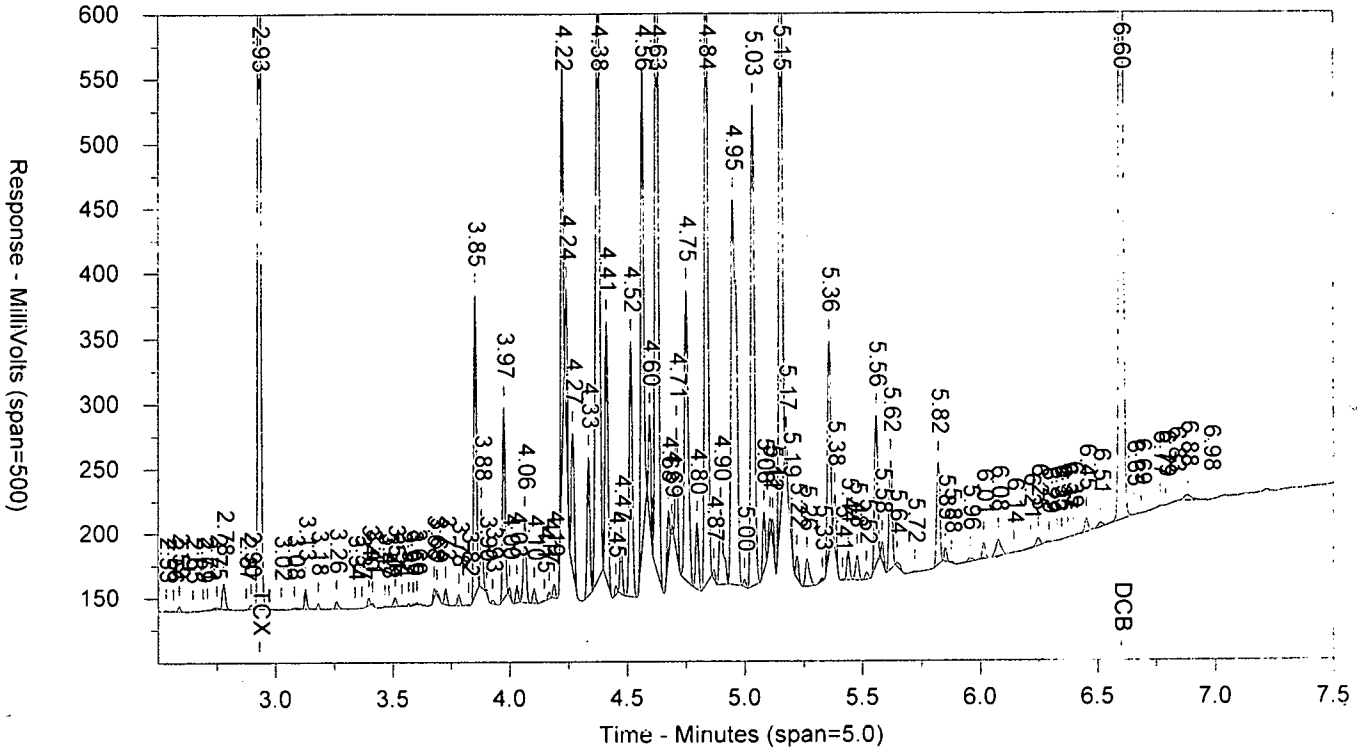


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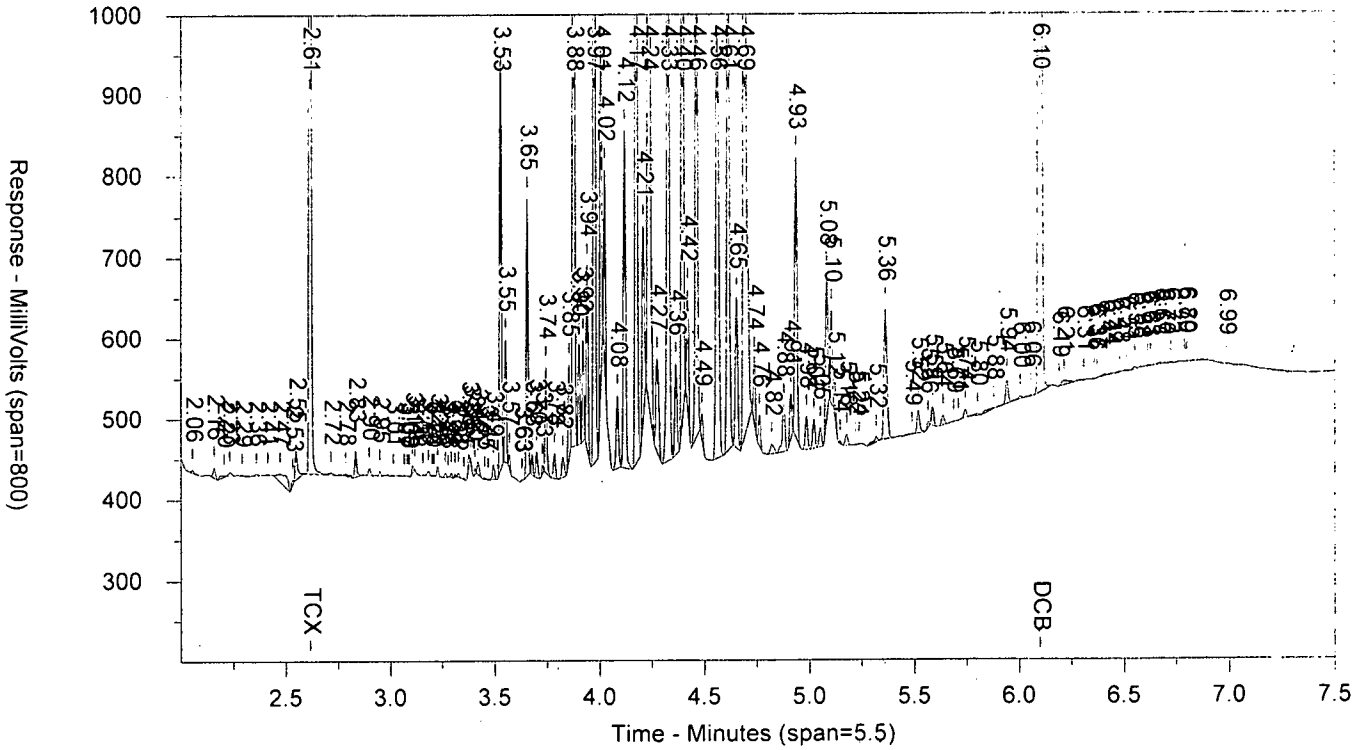


LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 8229 | 8133 |
| 2.084 | | 9901 | 21270 |
| 2.231 | | 12794 | 8817 |
| 2.33 | | 19114 | 15818 |
| 2.366 | | 2328 | 4138 |
| 2.489 | | 5632 | 6273 |
| 2.534 | | 1782 | 1423 |
| 2.588 | | 906 | 444 |
| 2.653 | | 568 | 629 |
| 2.712 | | 533 | 334 |
| 2.751 | | 764 | 882 |
| 2.778 | | 16675 | 15191 |
| 2.85 | | 707 | 517 |
| 2.896 | | 4756 | 3961 |
| 2.931 | TCX | 2960514 | 1997235 |
| 3.026 | | 1280 | 1320 |
| 3.077 | | 2311 | 2986 |
| 3.127 | | 37154 | 25817 |
| 3.181 | | 10688 | 7393 |
| 3.225 | | 303 | 266 |
| 3.258 | | 12179 | 11683 |
| 3.338 | | 854 | 1237 |
| 3.396 | | 14120 | 8580 |
| 3.412 | | 5397 | 3094 |
| 3.448 | | 729 | 335 |
| 3.466 | | 1998 | 1738 |
| 3.51 | | 15984 | 12967 |
| 3.539 | | 547 | 425 |
| 3.567 | | 6476 | 3885 |
| 3.586 | | 3563 | 1741 |
| 3.603 | | 2740 | 1517 |
| 3.619 | | 2363 | 1127 |
| 3.635 | | 1235 | 679 |
| 3.677 | | 15710 | 8590 |
| 3.689 | | 8230 | 6779 |
| 3.726 | | 27895 | 20793 |
| 3.782 | | 19567 | 16329 |
| 3.824 | | 2375 | 1543 |
| 3.851 | | 542583 | 411708 |
| 3.878 | | 141146 | 96852 |
| 3.899 | | 8233 | 4474 |
| 3.927 | | 5033 | 4109 |
| 3.974 | | 342985 | 269214 |
| 3.998 | | 15880 | 8804 |
| 4.029 | | 30815 | 22861 |
| 4.063 | | 152155 | 131334 |
| 4.102 | | 28346 | 23519 |
| 4.138 | | 1733 | 1124 |
| 4.166 | | 4166 | 2399 |
| 4.188 | | 26138 | 20073 |
| 4.223 | | 745404 | 514975 |
| 4.24 | | 249232 | 136178 |
| 4.266 | | 236311 | 193865 |
| 4.334 | | 233198 | 199412 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.377 | | 1201939 | 1324490 |
| 4.411 | | 457354 | 383454 |
| 4.451 | | 15873 | 10510 |
| 4.473 | | 85916 | 66922 |
| 4.514 | | 447549 | 410552 |
| 4.564 | | 861164 | 756811 |
| 4.595 | | 190470 | 130862 |
| 4.625 | | 1668613 | 1522404 |
| 4.675 | | 74006 | 52914 |
| 4.689 | | 16543 | 6368 |
| 4.708 | | 201121 | 160803 |
| 4.75 | | 548174 | 561072 |
| 4.796 | | 120997 | 109629 |
| 4.837 | | 1241613 | 1180916 |
| 4.868 | | 20178 | 11995 |
| 4.897 | | 135733 | 172814 |
| 4.949 | | 676998 | 1079522 |
| 5 | | 14462 | 10192 |
| 5.034 | | 913045 | 979769 |
| 5.082 | | 106691 | 82887 |
| 5.106 | | 89469 | 135437 |
| 5.153 | | 1264105 | 1110302 |
| 5.175 | | 62495 | 30411 |
| 5.22 | | 46447 | 36326 |
| 5.263 | | 53040 | 63177 |
| 5.331 | | 3891 | 4456 |
| 5.358 | | 383036 | 332305 |
| 5.381 | | 89404 | 63968 |
| 5.414 | | 2486 | 1266 |
| 5.438 | | 51263 | 48298 |
| 5.477 | | 48067 | 44388 |
| 5.517 | | 11106 | 10280 |
| 5.556 | | 267755 | 245659 |
| 5.582 | | 36985 | 24626 |
| 5.617 | | 196407 | 186193 |
| 5.648 | | 7430 | 9860 |
| 5.717 | | 1383 | 1630 |
| 5.774 | | 509 | 342 |
| 5.821 | | 169521 | 170441 |
| 5.851 | | 26207 | 20897 |
| 5.879 | | 2490 | 1600 |
| 5.926 | | 520 | 497 |
| 5.96 | | 5277 | 7346 |
| 6.014 | | 27564 | 27793 |
| 6.076 | | 27293 | 44799 |
| 6.156 | | 553 | 595 |
| 6.246 | | 14824 | 17520 |
| 6.291 | | 900 | 774 |
| 6.346 | | 378 | 1293 |
| 6.393 | | 342 | 1311 |
| 6.451 | | 23590 | 25339 |
| 6.51 | | 5929 | 8604 |
| 6.598 | DCB | 2152563 | 2295680 |
| 6.678 | | 427 | 93 |
| 6.742 | | 675 | 226 |
| 6.766 | | 3180 | 4269 |
| 6.804 | | 529 | 288 |
| 6.826 | | 878 | 911 |
| 6.878 | | 5083 | 15074 |
| 6.955 | | 766 | 254 |
| 6.97 | | 401 | 201 |

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

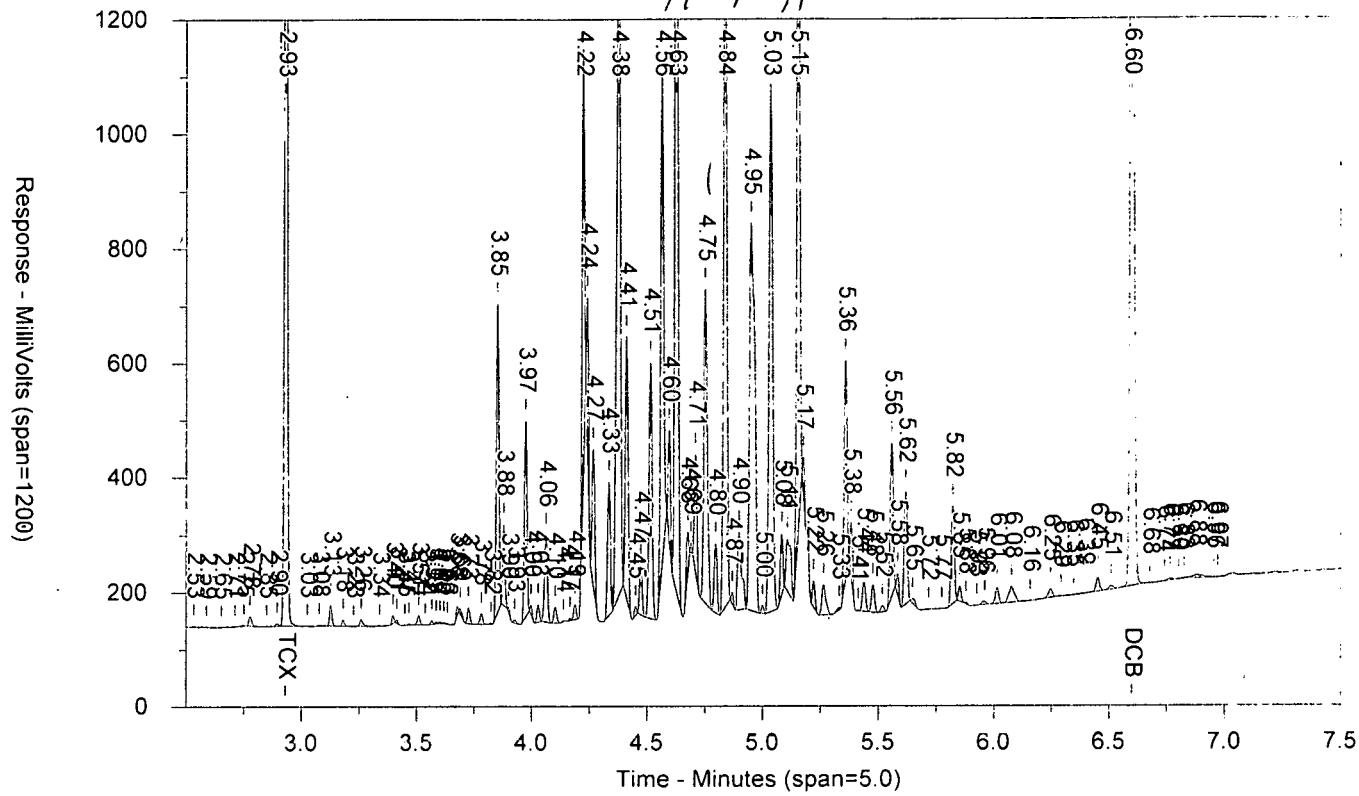
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 9034 | 7682 |
| 2.207 | | 5316 | 10060 |
| 2.231 | | 4783 | 5864 |
| 2.355 | | 2862 | 3466 |
| 2.414 | | 2822 | 2148 |
| 2.491 | | 3045 | 2990 |
| 2.518 | | 3001 | 1644 |
| 2.547 | | 29025 | 22697 |
| 2.589 | | 1375 | 675 |
| 2.615 | TCX | 5178497 | 3064377 |
| 2.784 | | 5864 | 10326 |
| 2.832 | | 75745 | 47680 |
| 2.899 | | 20621 | 13152 |
| 2.949 | | 12978 | 10349 |
| 3.01 | | 3217 | 2012 |
| 3.069 | | 899 | 214 |
| 3.082 | | 548 | 103 |
| 3.106 | | 22523 | 11004 |
| 3.117 | | 6009 | 2123 |
| 3.157 | | 2548 | 1221 |
| 3.18 | | 9241 | 7207 |
| 3.204 | | 2025 | 1192 |
| 3.227 | | 29391 | 19910 |
| 3.264 | | 12869 | 7384 |
| 3.291 | | 15802 | 8425 |
| 3.31 | | 7796 | 3785 |
| 3.326 | | 6544 | 3588 |
| 3.352 | | 2912 | 1065 |
| 3.375 | | 37261 | 18618 |
| 3.385 | | 17391 | 7106 |
| 3.405 | | 20579 | 9170 |
| 3.419 | | 37586 | 23806 |
| 3.45 | | 3367 | 1677 |
| 3.493 | | 43477 | 28824 |
| 3.528 | | 1201787 | 727531 |
| 3.551 | | 350923 | 201339 |
| 3.569 | | 41614 | 19012 |
| 3.632 | | 1271 | 1596 |
| 3.654 | | 764594 | 484337 |
| 3.677 | | 62533 | 31650 |
| 3.698 | | 75666 | 50517 |
| 3.727 | | 22035 | 10136 |
| 3.744 | | 299114 | 188734 |
| 3.784 | | 74306 | 50873 |
| 3.824 | | 57313 | 47652 |
| 3.854 | | 263794 | 156334 |
| 3.876 | | 2906028 | 1863098 |
| 3.901 | | 305919 | 171595 |
| 3.921 | | 296742 | 160449 |
| 3.94 | | 537144 | 321646 |
| 3.975 | | 2752112 | 1820419 |
| 4.006 | | 1039532 | 620532 |
| 4.023 | | 592561 | 310273 |
| 4.084 | | 196040 | 149091 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.118 | | 980924 | 716164 |
| 4.175 | | 2174109 | 1582991 |
| 4.208 | | 590616 | 431945 |
| 4.236 | | 4016165 | 2874870 |
| 4.273 | | 268510 | 253632 |
| 4.326 | | 1809147 | 1475160 |
| 4.363 | | 265841 | 203600 |
| 4.395 | | 2457273 | 1735733 |
| 4.419 | | 345080 | 225769 |
| 4.462 | | 1475738 | 1128040 |
| 4.487 | | 76725 | 43940 |
| 4.561 | | 1322599 | 1281185 |
| 4.613 | | 1823462 | 1437904 |
| 4.653 | | 422502 | 355960 |
| 4.692 | | 2641970 | 2500893 |
| 4.738 | | 195153 | 122544 |
| 4.761 | | 85673 | 58693 |
| 4.821 | | 31243 | 34532 |
| 4.861 | | 6126 | 3445 |
| 4.878 | | 133498 | 99117 |
| 4.911 | | 130061 | 88929 |
| 4.935 | | 843886 | 645444 |
| 4.985 | | 90377 | 75354 |
| 5.02 | | 85773 | 69967 |
| 5.051 | | 56259 | 44416 |
| 5.083 | | 407714 | 309111 |
| 5.104 | | 267664 | 178066 |
| 5.122 | | 41489 | 21465 |
| 5.146 | | 8923 | 4481 |
| 5.176 | | 27050 | 24423 |
| 5.218 | | 1051 | 463 |
| 5.244 | | 2583 | 5191 |
| 5.297 | | 3000 | 3476 |
| 5.319 | | 15005 | 11801 |
| 5.362 | | 368638 | 373469 |
| 5.447 | | 1363 | 431 |
| 5.465 | | 1704 | 1270 |
| 5.518 | | 59934 | 56317 |
| 5.565 | | 19905 | 13522 |
| 5.586 | | 50112 | 38093 |
| 5.636 | | 26172 | 22796 |
| 5.691 | | 1007 | 1223 |
| 5.714 | | 1295 | 703 |
| 5.742 | | 25246 | 23132 |
| 5.869 | | 1597 | 9963 |
| 5.899 | | 1171 | 1287 |
| 5.94 | | 66541 | 56020 |
| 5.971 | | 2988 | 1844 |
| 6.006 | | 3461 | 3210 |
| 6.03 | | 1066 | 533 |
| 6.05 | | 2992 | 2697 |
| 6.098 | DCB | 7029089 | 6081205 |
| 6.215 | | 5086 | 9465 |
| 6.277 | | 3306 | 3975 |
| 6.335 | | 1153 | 4053 |
| 6.37 | | 1040 | 609 |
| 6.391 | | 1408 | 356 |
| 6.411 | | 1234 | 241 |
| 6.436 | | 1492 | 1642 |
| 6.484 | | 1658 | 1610 |
| 6.505 | | 1757 | 1627 |
| 6.548 | | 9140 | 9253 |
| 6.612 | | 1007 | 267 |
| 6.622 | | 1396 | 487 |
| 6.663 | | 1228 | 1349 |
| 6.72 | | 2711 | 4889 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.8 | | 1749 | 5093 |
| 6.872 | | 1486 | 2077 |
| 6.916 | | 1016 | 449 |
| 6.958 | | 1223 | 301 |

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.022.RAW

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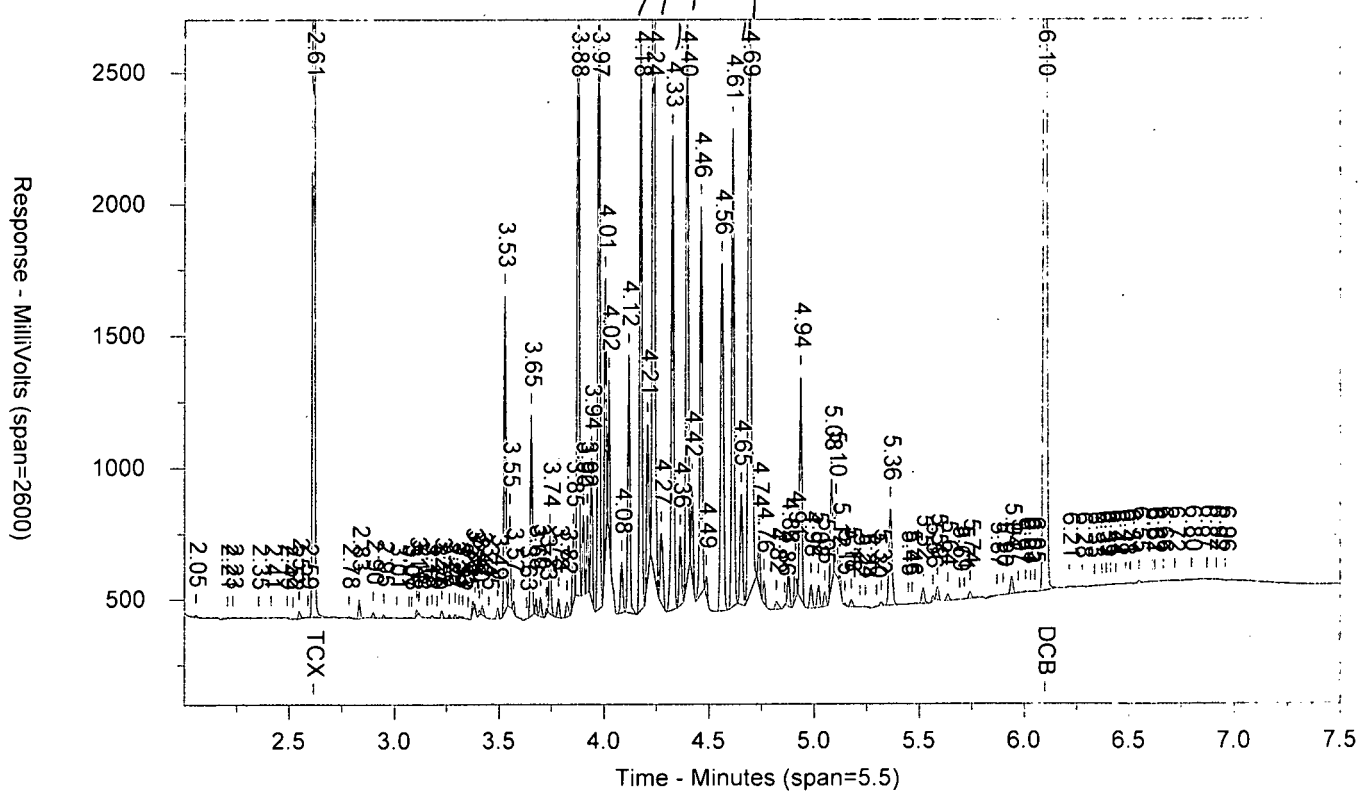


LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

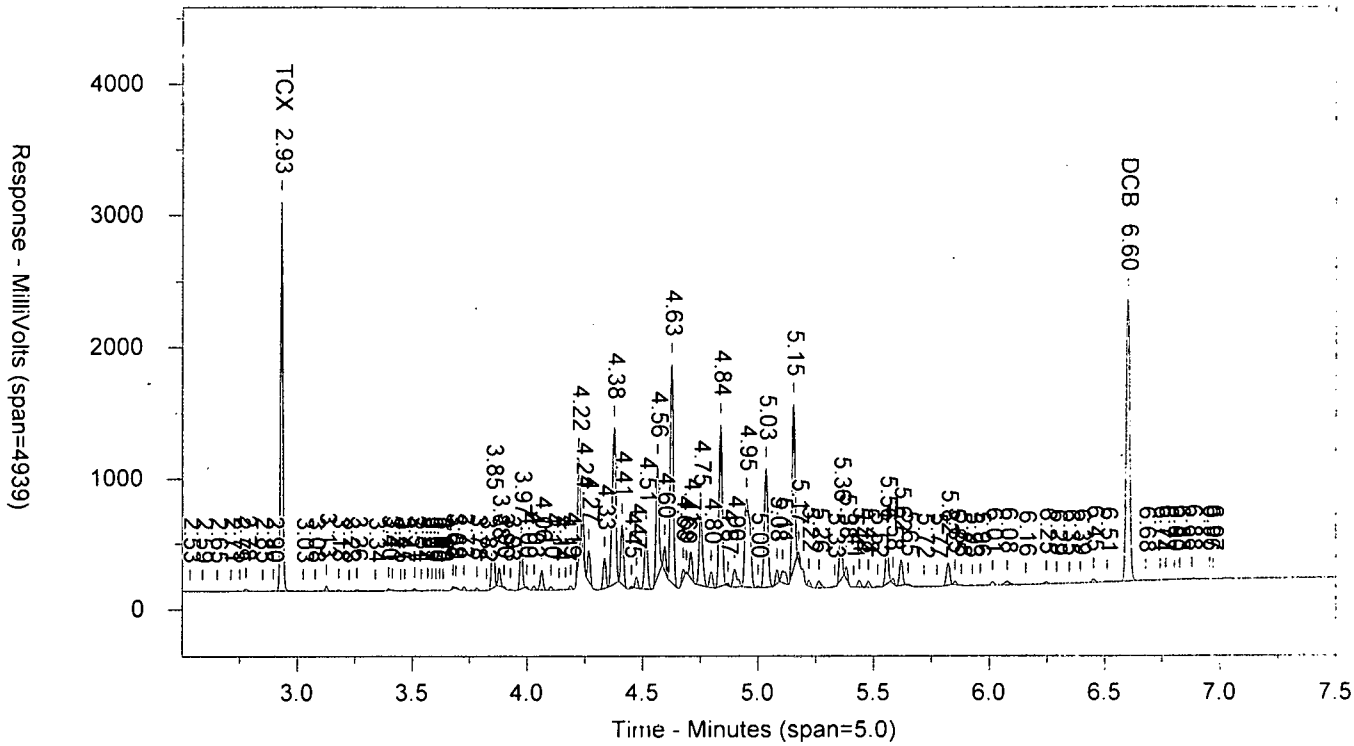
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 2960514 | 20.183 | TCX | 2.615 | 5178497 | 19.464 | TCX |
| 6.598 | 2152563 | 18.84 | DCB | 6.098 | 7029089 | 18.986 | DCB |

Files:
Area File: 25PCBs17289001.022.RAW
Area File: 25PCBs17289001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:49:15 PM
File Reported On: 10/16/2017 at 10:49:23 PM

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.022.RAW

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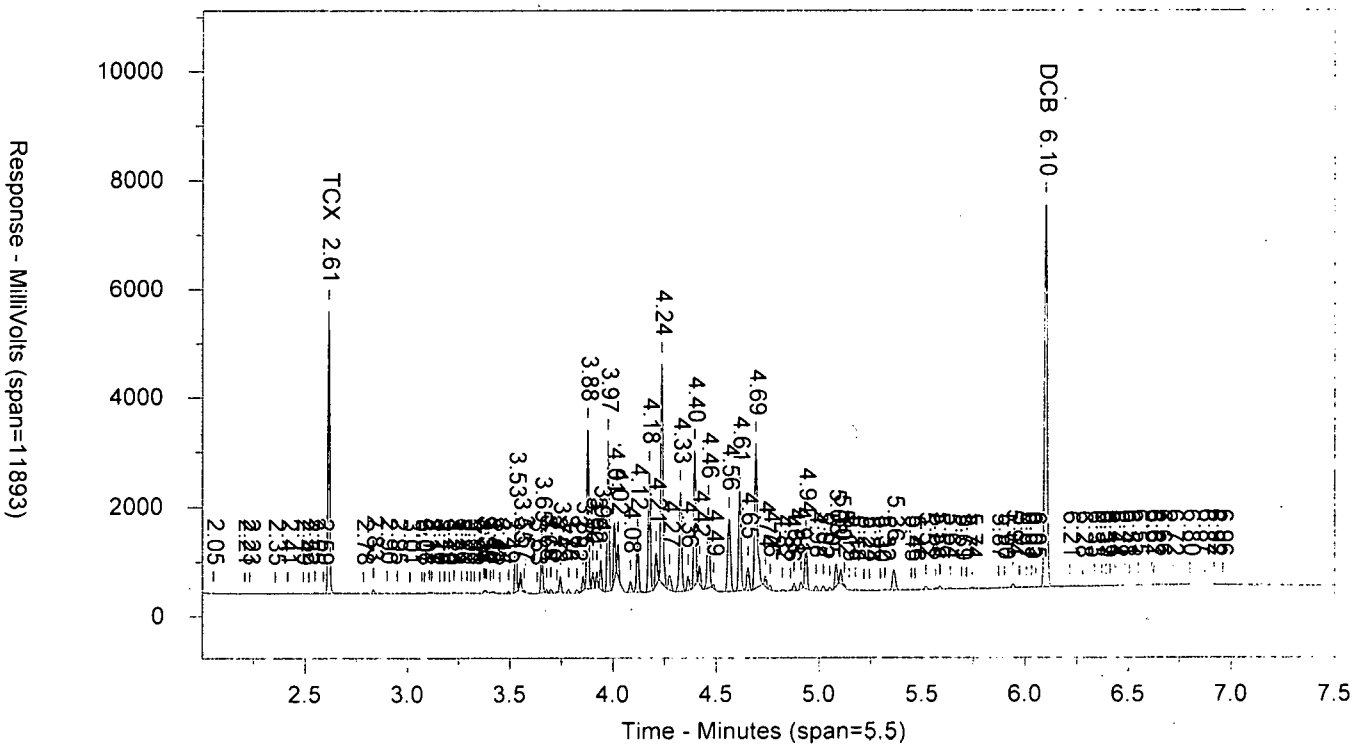

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

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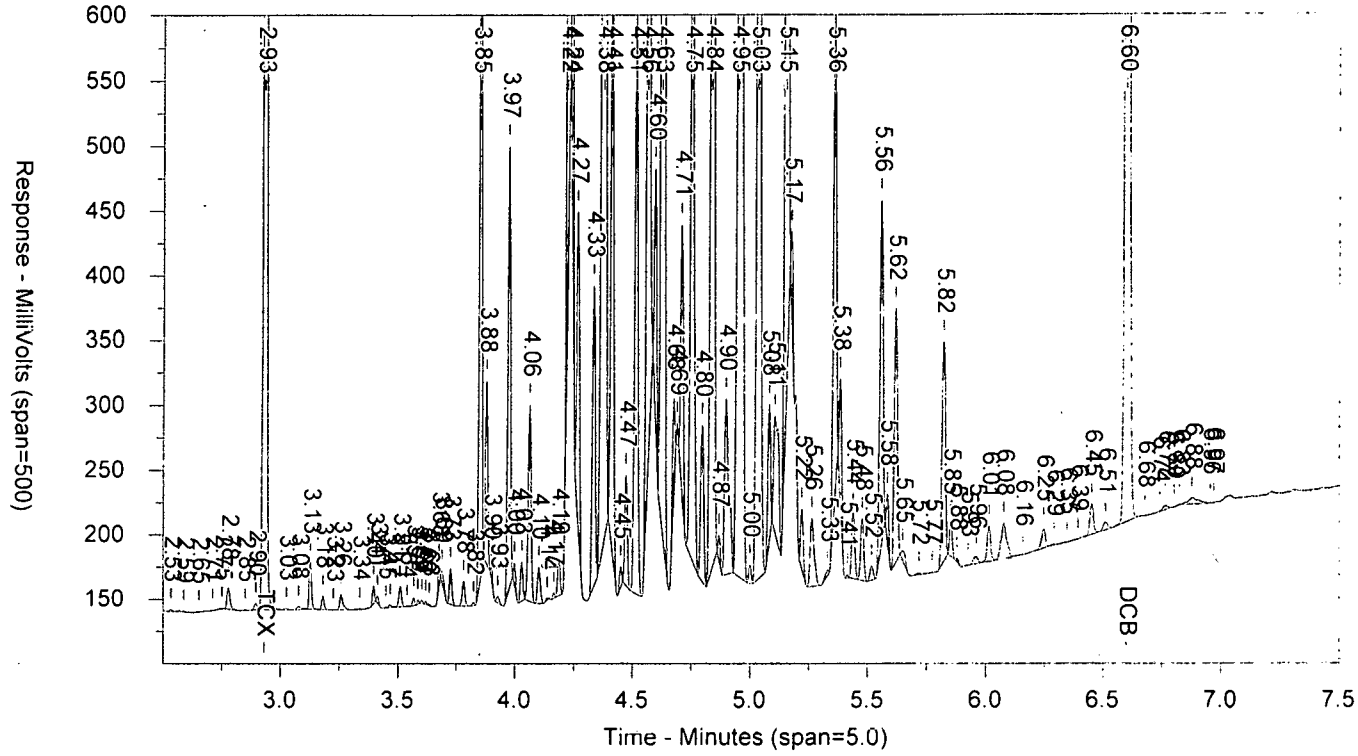


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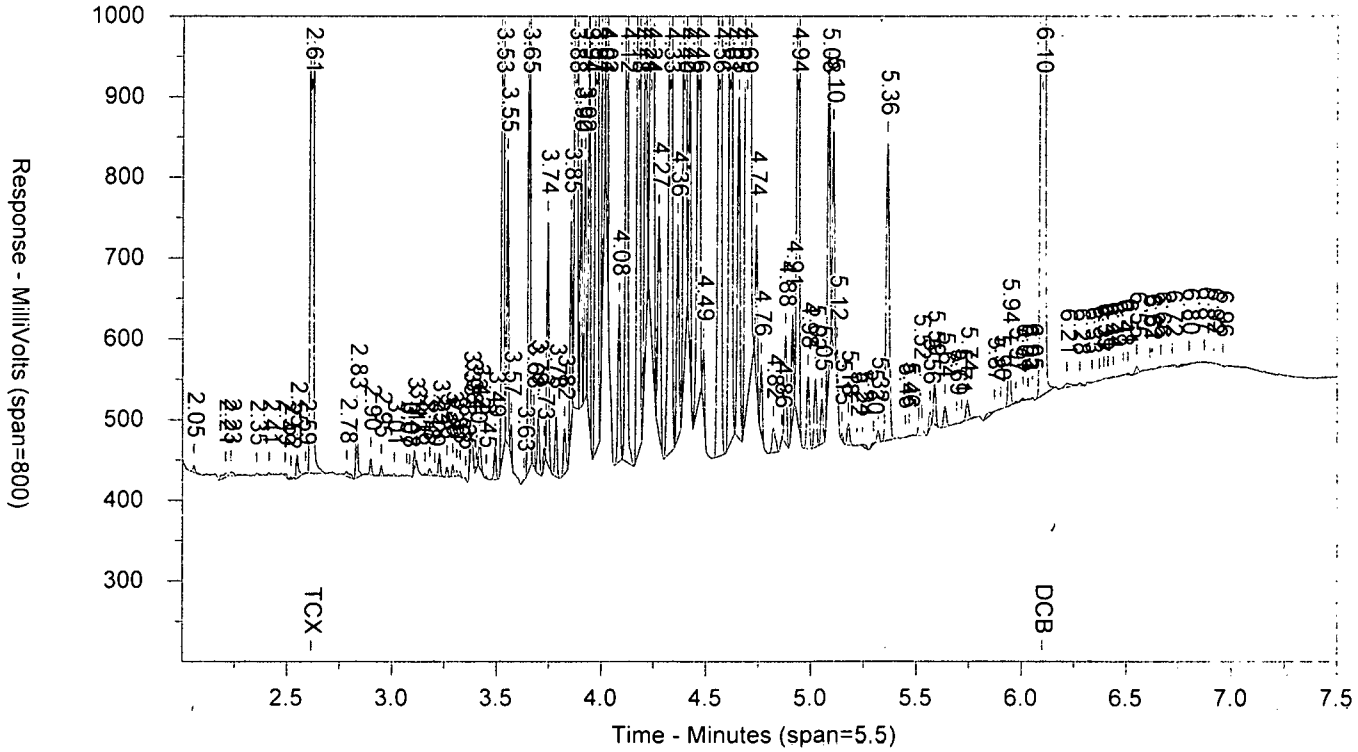


LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 8073 | 7816 |
| 2.083 | | 27709 | 50633 |
| 2.203 | | 308 | 139 |
| 2.231 | | 25132 | 19393 |
| 2.301 | | 573 | 286 |
| 2.332 | | 13068 | 14344 |
| 2.366 | | 2086 | 2463 |
| 2.49 | | 5982 | 7083 |
| 2.534 | | 746 | 668 |
| 2.589 | | 7088 | 4991 |
| 2.651 | | 937 | 582 |
| 2.712 | | 350 | 336 |
| 2.748 | | 1448 | 1866 |
| 2.778 | | 41917 | 46706 |
| 2.894 | | 3926 | 3377 |
| 2.93 | TCX | 5918431 | 4073520 |
| 3.027 | | 1723 | 1191 |
| 3.076 | | 4965 | 5093 |
| 3.126 | | 73160 | 51295 |
| 3.181 | | 19915 | 14153 |
| 3.226 | | 376 | 140 |
| 3.257 | | 17090 | 15226 |
| 3.34 | | 318 | 565 |
| 3.396 | | 27067 | 16590 |
| 3.412 | | 10611 | 5387 |
| 3.449 | | 1602 | 857 |
| 3.465 | | 4488 | 3665 |
| 3.51 | | 29131 | 23274 |
| 3.567 | | 11686 | 6939 |
| 3.586 | | 9772 | 6111 |
| 3.62 | | 5844 | 3040 |
| 3.635 | | 2718 | 1209 |
| 3.677 | | 30795 | 16789 |
| 3.689 | | 15961 | 12457 |
| 3.726 | | 56191 | 42049 |
| 3.782 | | 37333 | 29686 |
| 3.824 | | 5262 | 3193 |
| 3.852 | | 1025299 | 777006 |
| 3.878 | | 251998 | 209633 |
| 3.927 | | 2853 | 1892 |
| 3.975 | | 655516 | 506957 |
| 3.998 | | 31770 | 17519 |
| 4.03 | | 61133 | 43988 |
| 4.063 | | 276097 | 247250 |
| 4.103 | | 55772 | 46389 |
| 4.139 | | 6904 | 7482 |
| 4.167 | | 3598 | 1949 |
| 4.188 | | 56317 | 41019 |
| 4.223 | | 1370287 | 1001524 |
| 4.24 | | 493630 | 278517 |
| 4.266 | | 425603 | 352027 |
| 4.335 | | 440520 | 371348 |
| 4.377 | | 2454454 | 2593445 |
| 4.411 | | 874470 | 729508 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.452 | | 33664 | 21166 |
| 4.473 | | 157152 | 125916 |
| 4.515 | | 869314 | 778089 |
| 4.565 | | 1703867 | 1492567 |
| 4.596 | | 370960 | 250797 |
| 4.626 | | 3408002 | 3046168 |
| 4.675 | | 147512 | 101034 |
| 4.69 | | 26344 | 9760 |
| 4.709 | | 382849 | 307312 |
| 4.751 | | 1007231 | 1053888 |
| 4.797 | | 225993 | 205952 |
| 4.837 | | 2551381 | 2334475 |
| 4.868 | | 39738 | 25022 |
| 4.898 | | 246430 | 321747 |
| 4.949 | | 1310933 | 2053158 |
| 5 | | 30363 | 21111 |
| 5.034 | | 1816556 | 1953293 |
| 5.082 | | 193685 | 153238 |
| 5.107 | | 159801 | 243402 |
| 5.153 | | 2479515 | 2223320 |
| 5.175 | | 119988 | 53357 |
| 5.192 | | 57186 | 35172 |
| 5.22 | | 81344 | 64725 |
| 5.263 | | 100992 | 124291 |
| 5.334 | | 3138 | 2036 |
| 5.358 | | 722524 | 637618 |
| 5.382 | | 151342 | 109670 |
| 5.414 | | 4217 | 2139 |
| 5.438 | | 100555 | 92351 |
| 5.477 | | 88010 | 86580 |
| 5.517 | | 23527 | 21305 |
| 5.556 | | 520931 | 469281 |
| 5.581 | | 62031 | 44724 |
| 5.617 | | 387686 | 424824 |
| 5.719 | | 2657 | 4494 |
| 5.778 | | 889 | 964 |
| 5.821 | | 327564 | 318420 |
| 5.851 | | 49428 | 39958 |
| 5.918 | | 761 | 436 |
| 5.957 | | 3160 | 3973 |
| 6.013 | | 53049 | 56029 |
| 6.077 | | 52689 | 90186 |
| 6.156 | | 284 | 373 |
| 6.172 | | 397 | 260 |
| 6.208 | | 740 | 1489 |
| 6.247 | | 24071 | 25134 |
| 6.292 | | 1774 | 2051 |
| 6.328 | | 704 | 545 |
| 6.379 | | 1439 | 1643 |
| 6.45 | | 45381 | 48994 |
| 6.51 | | 3857 | 5370 |
| 6.598 | DCB | 4382563 | 4526988 |
| 6.704 | | 914 | 1242 |
| 6.748 | | 191 | 69 |
| 6.771 | | 896 | 1101 |
| 6.826 | | 1233 | 486 |
| 6.856 | | 336 | 674 |
| 6.878 | | 3460 | 6232 |
| 6.958 | | 424 | 163 |
| 6.972 | | 610 | 159 |
| 6.988 | | 907 | 685 |

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

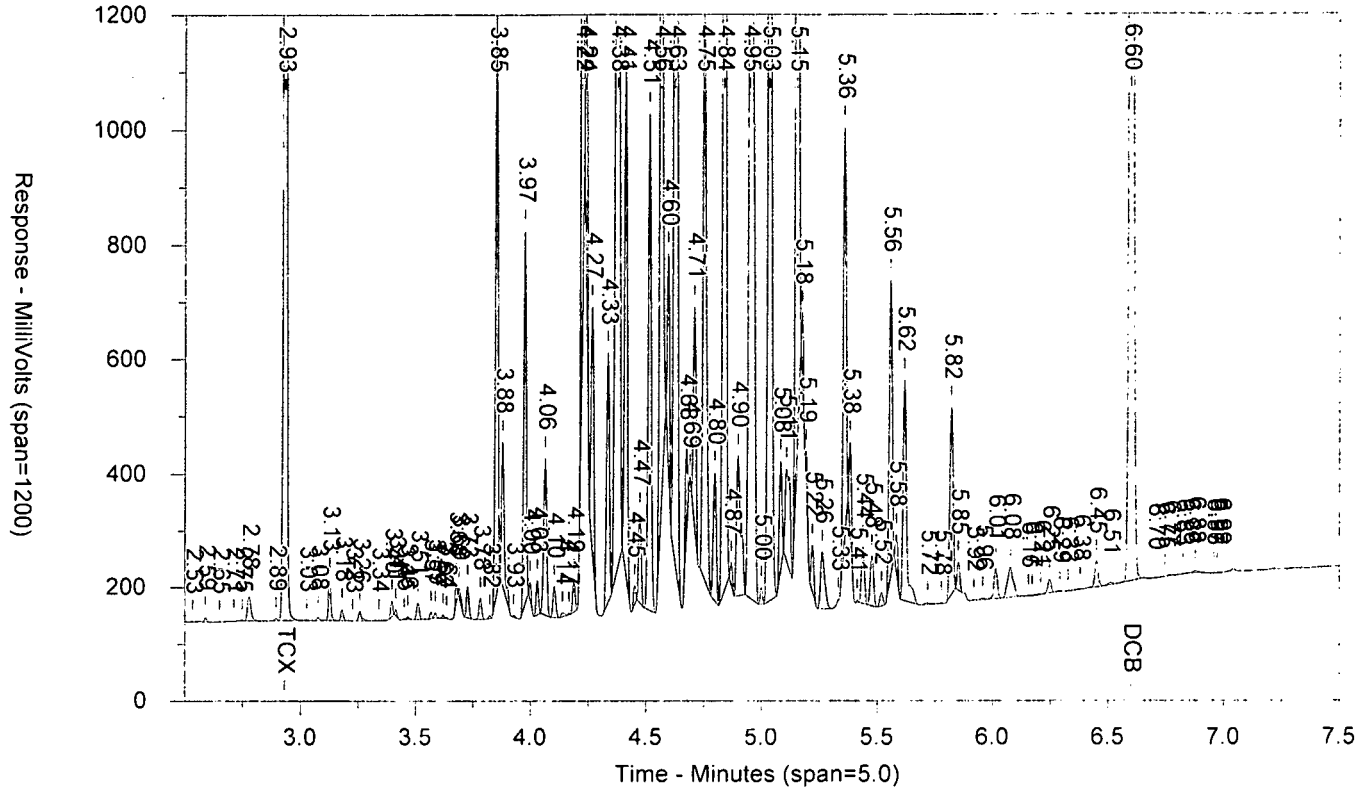
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 19137 | 14002 |
| 2.157 | | 20054 | 15258 |
| 2.192 | | 4279 | 6606 |
| 2.234 | | 3737 | 4486 |
| 2.358 | | 2982 | 3419 |
| 2.474 | | 6122 | 22899 |
| 2.531 | | 7186 | 3941 |
| 2.547 | | 89938 | 93001 |
| 2.615 | TCX | 10582740 | 6246458 |
| 2.785 | | 10861 | 11832 |
| 2.832 | | 135995 | 85969 |
| 2.898 | | 40983 | 25468 |
| 2.948 | | 25462 | 14906 |
| 3.009 | | 5327 | 3663 |
| 3.068 | | 836 | 371 |
| 3.079 | | 983 | 273 |
| 3.088 | | 1045 | 153 |
| 3.105 | | 48000 | 23222 |
| 3.115 | | 7974 | 3173 |
| 3.158 | | 5647 | 3216 |
| 3.178 | | 12473 | 8721 |
| 3.203 | | 3688 | 1788 |
| 3.227 | | 58266 | 36986 |
| 3.264 | | 26477 | 15443 |
| 3.291 | | 28160 | 15054 |
| 3.31 | | 14966 | 7307 |
| 3.325 | | 10970 | 5953 |
| 3.347 | | 501 | 60 |
| 3.375 | | 62090 | 29345 |
| 3.384 | | 31888 | 13969 |
| 3.405 | | 37381 | 17430 |
| 3.418 | | 72179 | 48009 |
| 3.449 | | 1565 | 921 |
| 3.475 | | 644 | 149 |
| 3.493 | | 81881 | 53639 |
| 3.527 | | 2305534 | 1388980 |
| 3.551 | | 667076 | 376546 |
| 3.569 | | 79233 | 36586 |
| 3.63 | | 1518 | 967 |
| 3.655 | | 1492491 | 923387 |
| 3.677 | | 118444 | 60611 |
| 3.698 | | 139748 | 97812 |
| 3.728 | | 45341 | 20777 |
| 3.744 | | 563748 | 353460 |
| 3.784 | | 137280 | 98259 |
| 3.823 | | 109525 | 93405 |
| 3.854 | | 507454 | 297700 |
| 3.876 | | 5830864 | 3759601 |
| 3.901 | | 600364 | 330907 |
| 3.92 | | 567064 | 305062 |
| 3.94 | | 1013122 | 615409 |
| 3.975 | | 5447662 | 3574057 |
| 4.006 | | 1978693 | 1198595 |
| 4.023 | | 1133088 | 585764 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.084 | | 376028 | 274492 |
| 4.119 | | 1979116 | 1394762 |
| 4.176 | | 4487368 | 3168034 |
| 4.209 | | 1187367 | 849556 |
| 4.236 | | 7929340 | 5759166 |
| 4.274 | | 506019 | 484375 |
| 4.327 | | 3631539 | 2912479 |
| 4.363 | | 537917 | 390980 |
| 4.396 | | 5193105 | 3621724 |
| 4.419 | | 693905 | 439643 |
| 4.462 | | 2986749 | 2220969 |
| 4.488 | | 154367 | 91674 |
| 4.561 | | 2496760 | 2518877 |
| 4.613 | | 3734793 | 2956280 |
| 4.653 | | 818982 | 691518 |
| 4.692 | | 5323949 | 5150502 |
| 4.738 | | 394720 | 245105 |
| 4.762 | | 172937 | 116604 |
| 4.82 | | 63125 | 69215 |
| 4.861 | | 11123 | 6678 |
| 4.878 | | 248731 | 187958 |
| 4.911 | | 247915 | 168714 |
| 4.935 | | 1715886 | 1280498 |
| 4.985 | | 182089 | 155290 |
| 5.02 | | 164347 | 131537 |
| 5.051 | | 103902 | 86114 |
| 5.082 | | 844651 | 635014 |
| 5.105 | | 554807 | 352879 |
| 5.122 | | 83869 | 39793 |
| 5.145 | | 16390 | 9223 |
| 5.176 | | 58717 | 52361 |
| 5.243 | | 2855 | 1995 |
| 5.294 | | 3664 | 2999 |
| 5.319 | | 29906 | 23003 |
| 5.36 | | 776189 | 728013 |
| 5.442 | | 975 | 240 |
| 5.465 | | 3191 | 2792 |
| 5.483 | | 1559 | 1183 |
| 5.518 | | 112053 | 97576 |
| 5.564 | | 35312 | 24775 |
| 5.586 | | 93291 | 74703 |
| 5.635 | | 53523 | 45932 |
| 5.689 | | 976 | 1554 |
| 5.702 | | 614 | 252 |
| 5.742 | | 50767 | 43852 |
| 5.776 | | 3260 | 2760 |
| 5.852 | | 1771 | 3846 |
| 5.866 | | 1636 | 890 |
| 5.895 | | 3238 | 2503 |
| 5.94 | | 126293 | 105202 |
| 5.973 | | 4258 | 3219 |
| 6.003 | | 2270 | 2316 |
| 6.029 | | 822 | 298 |
| 6.056 | | 1976 | 1260 |
| 6.097 | DCB | 14409230 | 12000880 |
| 6.215 | | 5501 | 11953 |
| 6.274 | | 3333 | 2967 |
| 6.317 | | 1647 | 1308 |
| 6.335 | | 1146 | 889 |
| 6.384 | | 762 | 1904 |
| 6.409 | | 1364 | 778 |
| 6.435 | | 2239 | 1462 |
| 6.495 | | 514 | 1539 |
| 6.515 | | 1406 | 1332 |
| 6.548 | | 16549 | 13726 |
| 6.586 | | 820 | 726 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.615 | | 1574 | 1482 |
| 6.65 | | 1089 | 599 |
| 6.701 | | 905 | 342 |
| 6.721 | | 3275 | 3294 |
| 6.805 | | 1480 | 3539 |
| 6.831 | | 903 | 722 |
| 6.848 | | 995 | 473 |
| 6.907 | | 2187 | 2479 |

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.023.RAW

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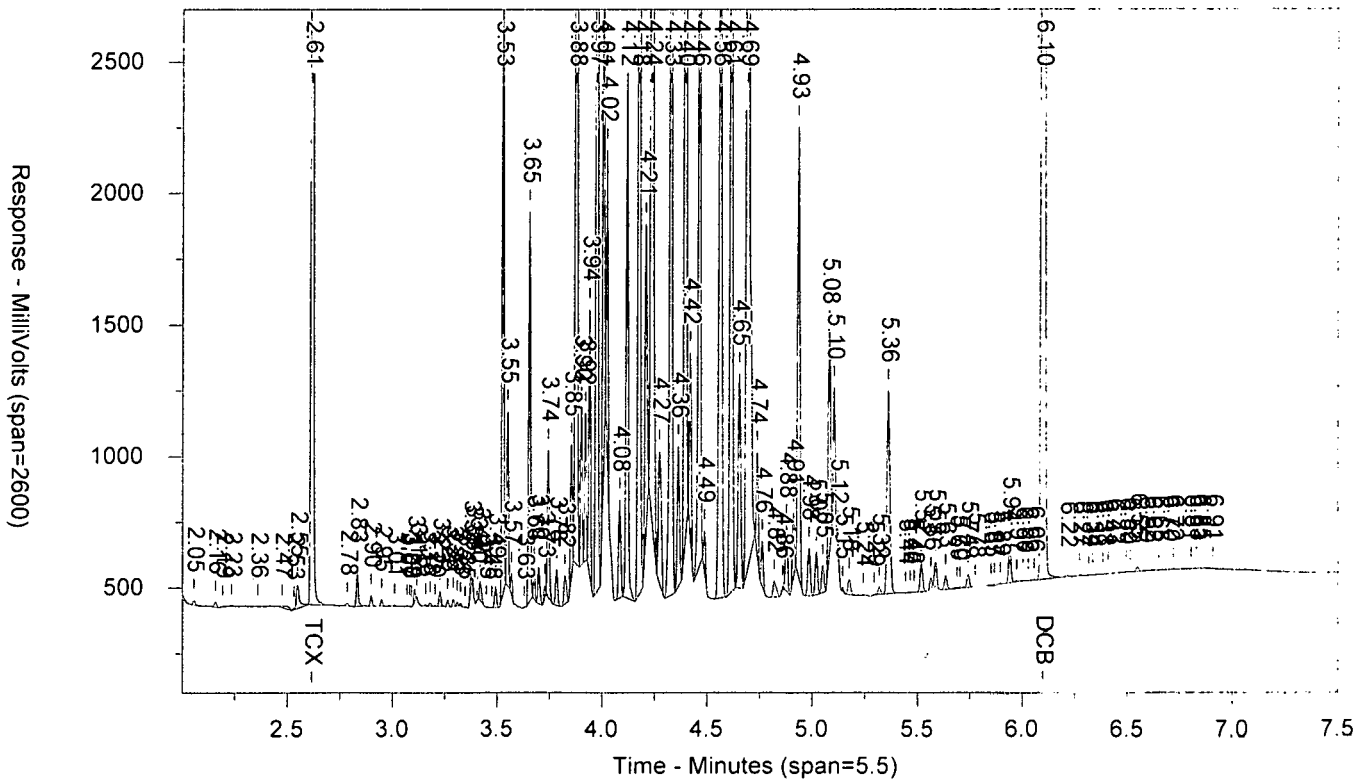


LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

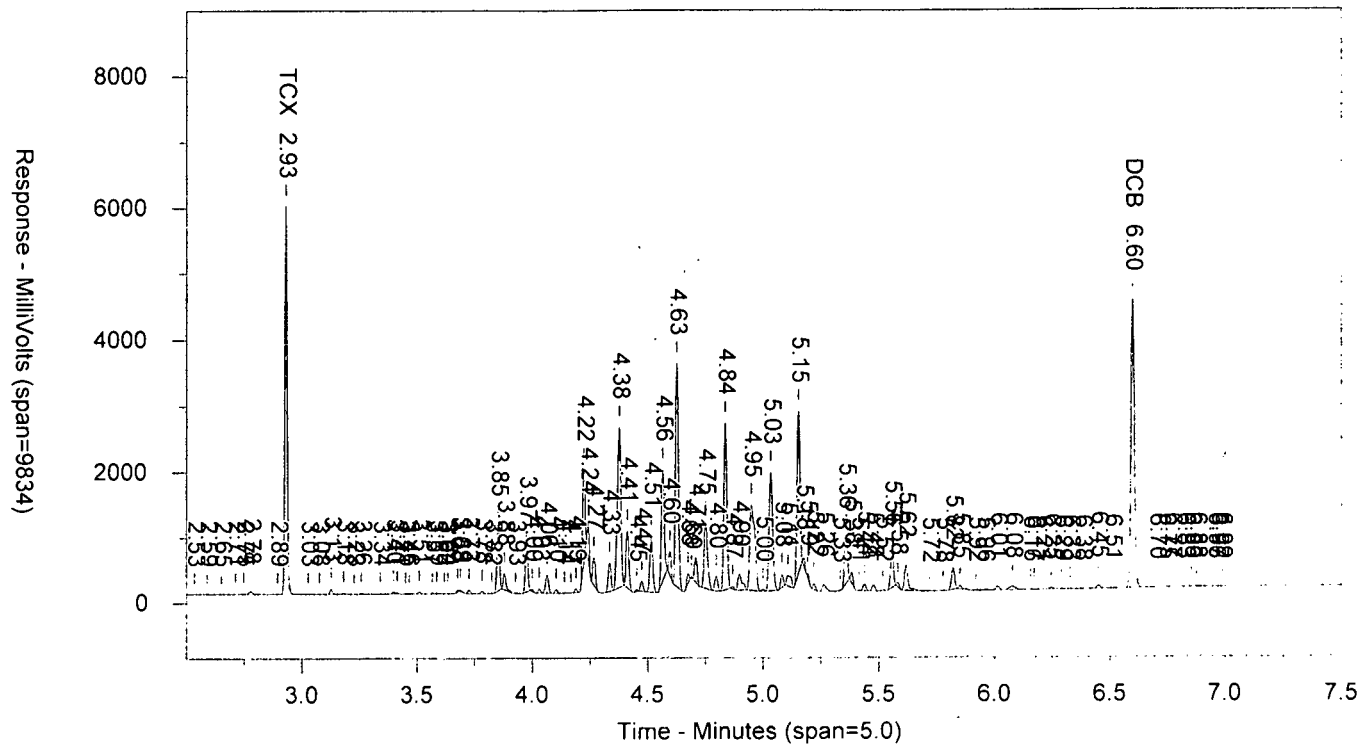
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 5918431 | 40.348 | TCX | 2.615 | 10582740 | 39.776 | TCX |
| 6.598 | 4382563 | 38.358 | DCB | 6.097 | 14409230 | 38.92 | DCB |

Files:
Area File: 25PCBs17289001.023.RAW
Area File: 25PCBs17289001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:00:33 PM
File Reported On: 10/16/2017 at 11:00:48 PM

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.023.RAW

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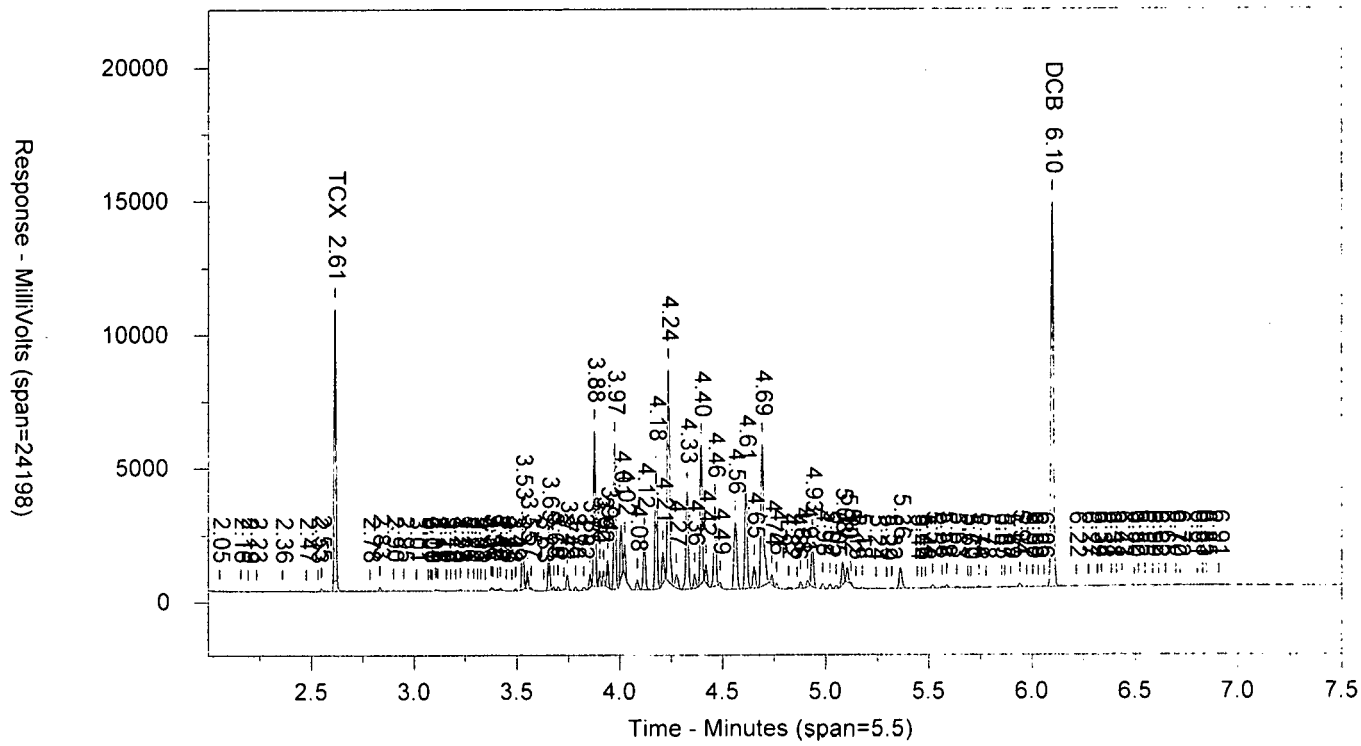

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

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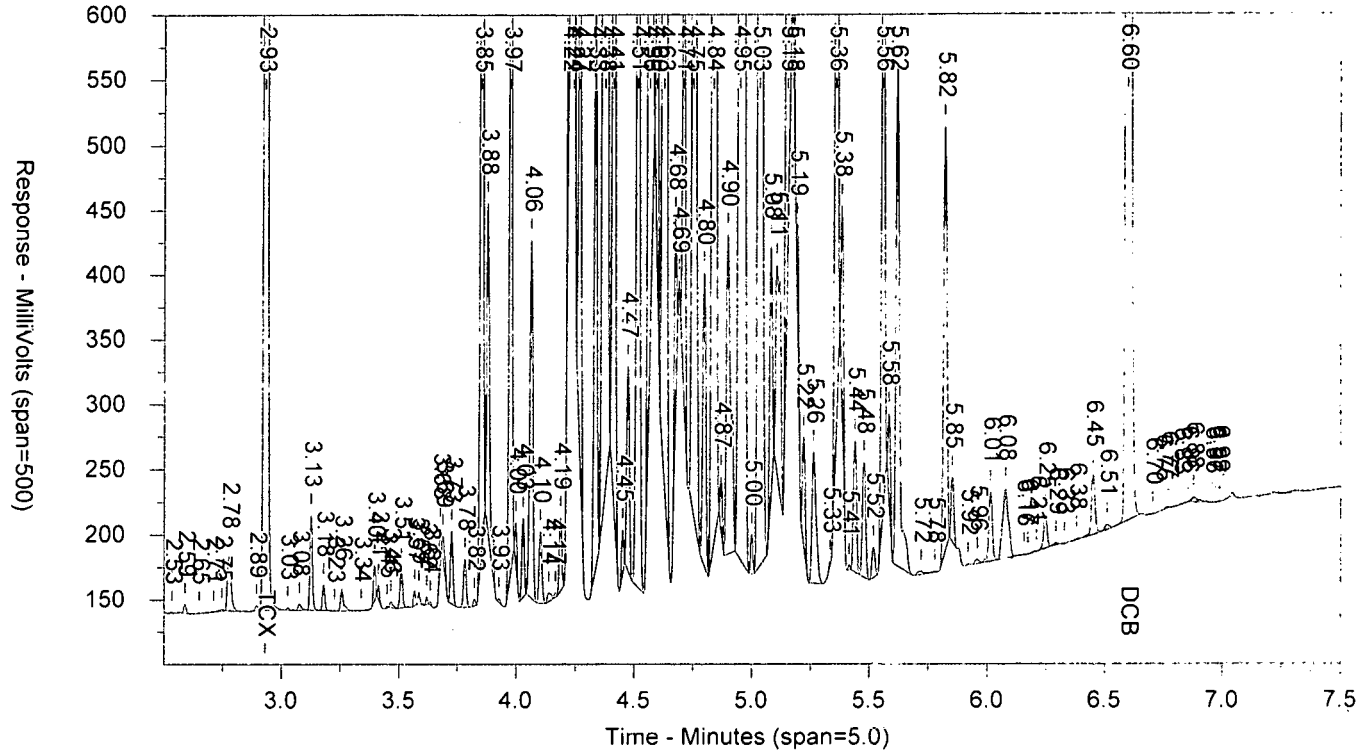


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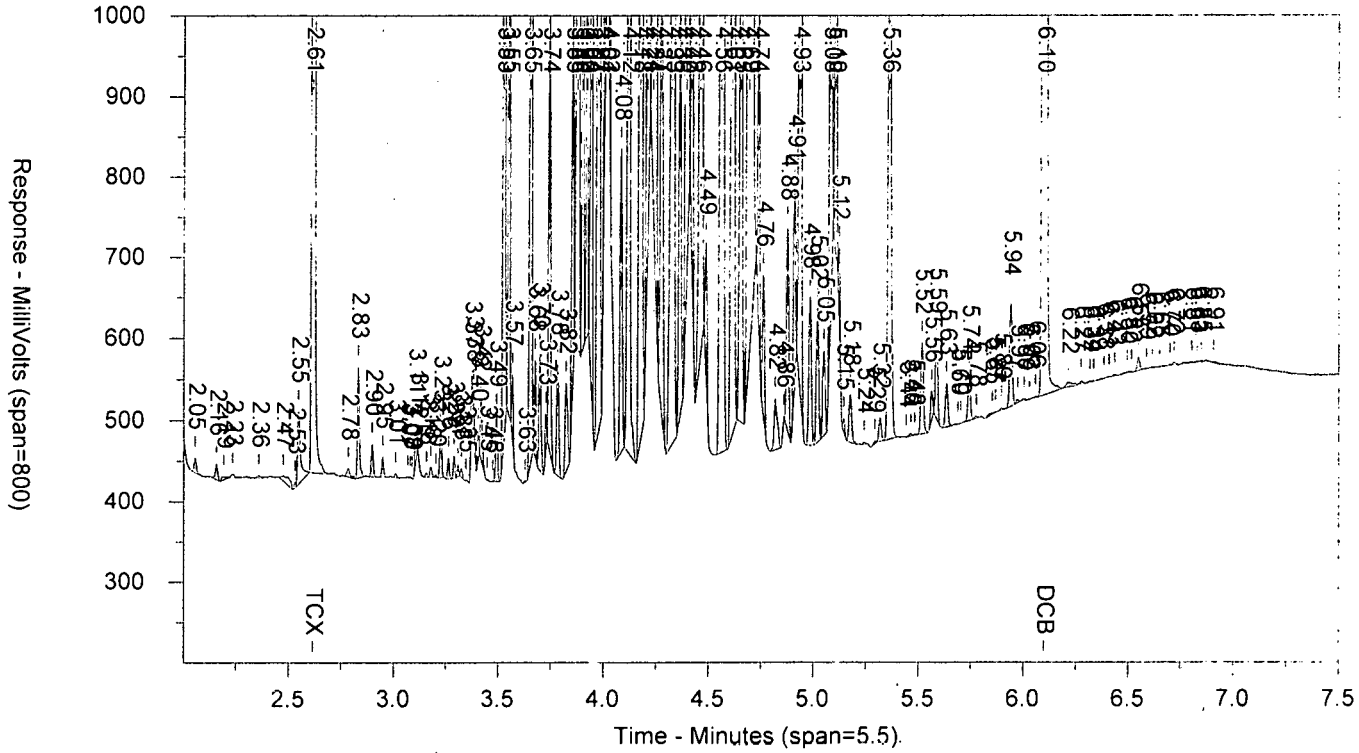


LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.008 | | 381 | 199 |
| 2.036 | | 10930 | 10752 |
| 2.084 | | 18146 | 34433 |
| 2.231 | | 51433 | 38188 |
| 2.297 | | 356 | 322 |
| 2.338 | | 22634 | 23482 |
| 2.368 | | 1771 | 1772 |
| 2.431 | | 1007 | 742 |
| 2.49 | | 8336 | 9434 |
| 2.533 | | 1020 | 925 |
| 2.565 | | 649 | 317 |
| 2.59 | | 7617 | 5061 |
| 2.65 | | 876 | 888 |
| 2.688 | | 375 | 207 |
| 2.746 | | 1462 | 2132 |
| 2.778 | | 35510 | 37411 |
| 2.84 | | 622 | 662 |
| 2.895 | | 5770 | 4530 |
| 2.931 | TCX | 12483110 | 8693628 |
| 3.028 | | 3401 | 2263 |
| 3.048 | | 857 | 498 |
| 3.078 | | 8300 | 8113 |
| 3.127 | | 152043 | 106794 |
| 3.18 | | 38715 | 28276 |
| 3.258 | | 33976 | 29172 |
| 3.343 | | 410 | 225 |
| 3.396 | | 53081 | 31939 |
| 3.413 | | 18268 | 10539 |
| 3.45 | | 3529 | 1748 |
| 3.466 | | 6672 | 5496 |
| 3.511 | | 58110 | 44839 |
| 3.568 | | 29044 | 18347 |
| 3.587 | | 12264 | 6684 |
| 3.621 | | 10913 | 5941 |
| 3.635 | | 4843 | 2499 |
| 3.678 | | 124114 | 191041 |
| 3.727 | | 94975 | 73332 |
| 3.783 | | 76416 | 58086 |
| 3.824 | | 10199 | 6371 |
| 3.852 | | 2172935 | 1614904 |
| 3.879 | | 477516 | 343602 |
| 3.901 | | 38309 | 19801 |
| 3.927 | | 3747 | 2361 |
| 3.975 | | 1388748 | 1046067 |
| 3.999 | | 62747 | 36908 |
| 4.031 | | 122239 | 87876 |
| 4.064 | | 569739 | 492886 |
| 4.103 | | 116799 | 95668 |
| 4.138 | | 15767 | 15306 |
| 4.167 | | 2946 | 1388 |
| 4.188 | | 111712 | 86375 |
| 4.224 | | 3087434 | 2123693 |
| 4.241 | | 1046888 | 563142 |
| 4.267 | | 861075 | 710261 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.335 | | 925247 | 755731 |
| 4.378 | | 5259897 | 5505376 |
| 4.412 | | 1852428 | 1518368 |
| 4.452 | | 62639 | 42958 |
| 4.474 | | 311944 | 246572 |
| 4.515 | | 1747708 | 1591864 |
| 4.566 | | 3727863 | 3216156 |
| 4.596 | | 801333 | 522946 |
| 4.627 | | 7434070 | 6482132 |
| 4.676 | | 266910 | 197895 |
| 4.69 | | 45990 | 16974 |
| 4.709 | | 804466 | 630878 |
| 4.751 | | 2092485 | 2165236 |
| 4.797 | | 463185 | 409209 |
| 4.838 | | 5247496 | 4936967 |
| 4.869 | | 70120 | 44254 |
| 4.898 | | 495146 | 619352 |
| 4.949 | | 2681398 | 4188231 |
| 5 | | 57437 | 42317 |
| 5.034 | | 4114681 | 4144489 |
| 5.082 | | 397747 | 311119 |
| 5.106 | | 311924 | 469012 |
| 5.154 | | 5234809 | 4635456 |
| 5.175 | | 225422 | 106548 |
| 5.193 | | 156053 | 89273 |
| 5.221 | | 155355 | 127937 |
| 5.264 | | 198216 | 246170 |
| 5.333 | | 7060 | 4579 |
| 5.358 | | 1487607 | 1300429 |
| 5.382 | | 342292 | 235756 |
| 5.414 | | 8046 | 4337 |
| 5.438 | | 191897 | 177871 |
| 5.477 | | 173717 | 169028 |
| 5.518 | | 43987 | 37130 |
| 5.556 | | 1044284 | 961655 |
| 5.581 | | 136324 | 89538 |
| 5.618 | | 760405 | 816200 |
| 5.719 | | 4217 | 5935 |
| 5.738 | | 599 | 303 |
| 5.822 | | 647068 | 612775 |
| 5.852 | | 97427 | 91894 |
| 5.919 | | 2933 | 2786 |
| 5.956 | | 3920 | 4719 |
| 6.014 | | 85255 | 92184 |
| 6.077 | | 80219 | 148480 |
| 6.158 | | 487 | 368 |
| 6.203 | | 603 | 1194 |
| 6.247 | | 44901 | 46353 |
| 6.291 | | 2806 | 3193 |
| 6.356 | | 563 | 249 |
| 6.379 | | 2626 | 2333 |
| 6.42 | | 1127 | 783 |
| 6.45 | | 81853 | 86663 |
| 6.512 | | 4218 | 5425 |
| 6.555 | | 825 | 811 |
| 6.599 | DCB | 8823522 | 9032214 |
| 6.717 | | 538 | 623 |
| 6.745 | | 457 | 706 |
| 6.767 | | 1361 | 1145 |
| 6.837 | | 466 | 545 |
| 6.883 | | 4272 | 9410 |
| 6.963 | | 540 | 257 |

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

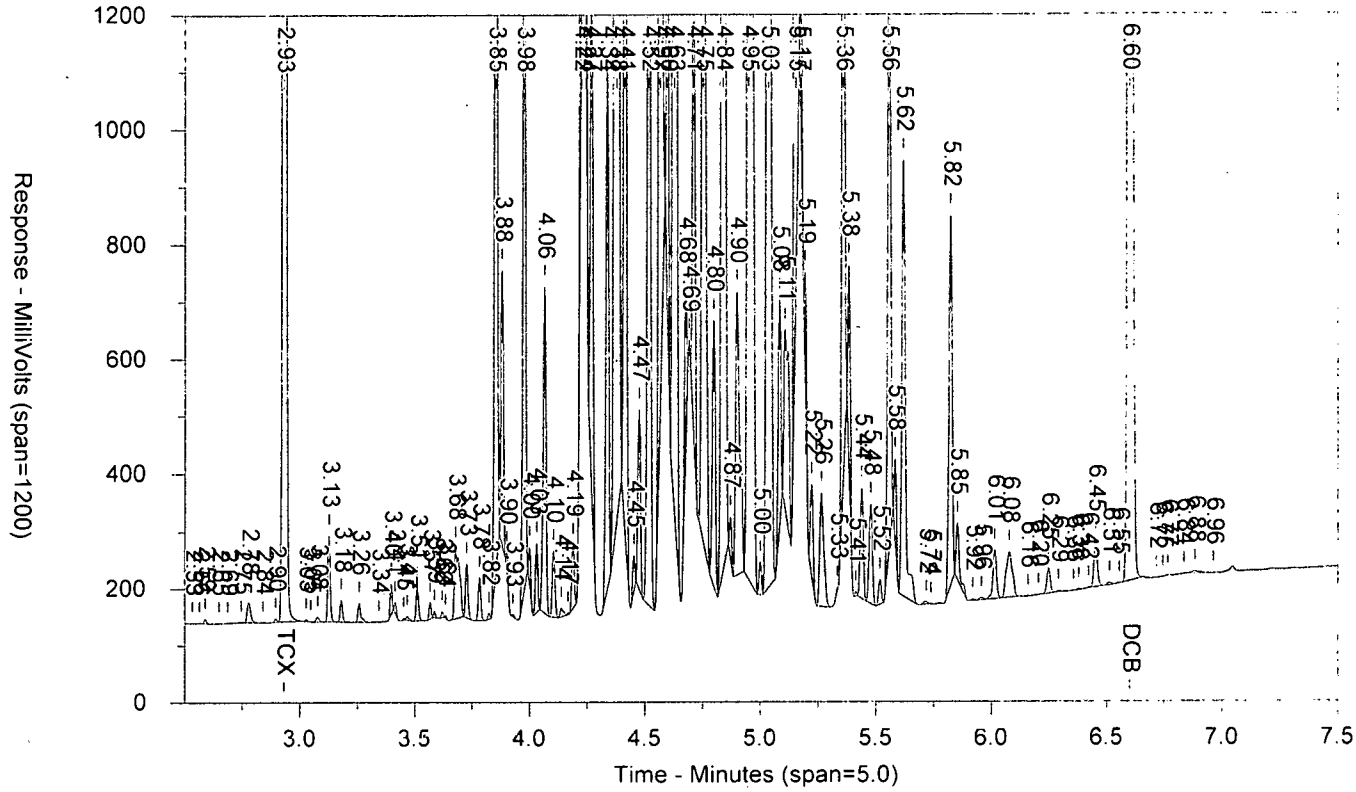
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 39467 | 26169 |
| 2.158 | | 24487 | 20404 |
| 2.187 | | 7732 | 10694 |
| 2.237 | | 4106 | 4287 |
| 2.274 | | 1093 | 1419 |
| 2.3 | | 2220 | 1642 |
| 2.361 | | 2238 | 2180 |
| 2.411 | | 2269 | 1871 |
| 2.471 | | 5813 | 22857 |
| 2.532 | | 7555 | 4487 |
| 2.548 | | 73130 | 63634 |
| 2.615 | TCX | 23059290 | 13331320 |
| 2.785 | | 18272 | 15085 |
| 2.833 | | 271397 | 175105 |
| 2.899 | | 78547 | 49115 |
| 2.949 | | 53943 | 31358 |
| 2.986 | | 2097 | 1750 |
| 3.009 | | 10900 | 6808 |
| 3.067 | | 476 | 139 |
| 3.085 | | 757 | 97 |
| 3.091 | | 707 | 110 |
| 3.105 | | 87135 | 42406 |
| 3.117 | | 24335 | 8942 |
| 3.157 | | 11682 | 6345 |
| 3.178 | | 18028 | 11074 |
| 3.203 | | 7703 | 4215 |
| 3.227 | | 112996 | 75119 |
| 3.264 | | 36422 | 20614 |
| 3.292 | | 67541 | 36947 |
| 3.31 | | 28052 | 13664 |
| 3.326 | | 18930 | 9114 |
| 3.35 | | 1287 | 900 |
| 3.375 | | 123684 | 60192 |
| 3.385 | | 83998 | 32593 |
| 3.405 | | 72877 | 35320 |
| 3.419 | | 127864 | 77978 |
| 3.494 | | 158095 | 101699 |
| 3.528 | | 4845701 | 2876738 |
| 3.551 | | 1331665 | 746180 |
| 3.569 | | 149629 | 71237 |
| 3.635 | | 1053 | 1993 |
| 3.655 | | 3060168 | 1902798 |
| 3.678 | | 222130 | 116412 |
| 3.699 | | 275868 | 186454 |
| 3.728 | | 65439 | 29868 |
| 3.744 | | 1199159 | 732593 |
| 3.785 | | 273098 | 188880 |
| 3.824 | | 219773 | 178291 |
| 3.854 | | 1051059 | 610451 |
| 3.877 | | 12020410 | 7810172 |
| 3.902 | | 1251069 | 695639 |
| 3.921 | | 1121359 | 607264 |
| 3.94 | | 2169614 | 1251670 |
| 3.975 | | 11539840 | 7521474 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.006 | | 4446942 | 2617746 |
| 4.024 | | 2528533 | 1319896 |
| 4.084 | | 762504 | 547620 |
| 4.119 | | 4099605 | 2895258 |
| 4.176 | | 9379964 | 6778767 |
| 4.208 | | 2485881 | 1815567 |
| 4.236 | | 17024470 | 12211330 |
| 4.274 | | 1036317 | 988769 |
| 4.327 | | 7332348 | 6096548 |
| 4.364 | | 1050424 | 809754 |
| 4.396 | | 11091930 | 7696675 |
| 4.42 | | 1486280 | 932338 |
| 4.463 | | 6165745 | 4652558 |
| 4.488 | | 337558 | 193111 |
| 4.562 | | 5481191 | 5288990 |
| 4.613 | | 8254355 | 6342562 |
| 4.652 | | 1722455 | 1406736 |
| 4.692 | | 11624810 | 10677720 |
| 4.737 | | 814044 | 499399 |
| 4.761 | | 346765 | 230473 |
| 4.82 | | 121316 | 136590 |
| 4.861 | | 18919 | 12420 |
| 4.878 | | 493632 | 370592 |
| 4.912 | | 482631 | 333662 |
| 4.935 | | 3476636 | 2682238 |
| 4.984 | | 368660 | 309904 |
| 5.02 | | 319569 | 261832 |
| 5.051 | | 192501 | 163182 |
| 5.082 | | 1915202 | 1357587 |
| 5.104 | | 1088748 | 700591 |
| 5.122 | | 155913 | 83450 |
| 5.145 | | 30846 | 17479 |
| 5.177 | | 85575 | 73245 |
| 5.219 | | 2597 | 1356 |
| 5.242 | | 7153 | 9140 |
| 5.296 | | 5077 | 3472 |
| 5.318 | | 56944 | 44970 |
| 5.36 | | 1563369 | 1456386 |
| 5.432 | | 1590 | 1310 |
| 5.462 | | 5886 | 4668 |
| 5.484 | | 2946 | 1549 |
| 5.518 | | 175539 | 153710 |
| 5.564 | | 72545 | 51789 |
| 5.585 | | 135945 | 103287 |
| 5.636 | | 87545 | 76932 |
| 5.693 | | 1067 | 373 |
| 5.742 | | 99708 | 81490 |
| 5.774 | | 6986 | 8381 |
| 5.868 | | 1423 | 6135 |
| 5.892 | | 5084 | 4336 |
| 5.939 | | 235836 | 193017 |
| 5.97 | | 6238 | 4271 |
| 5.995 | | 4756 | 4818 |
| 6.044 | | 1004 | 1183 |
| 6.06 | | 2395 | 1392 |
| 6.098 | DCB | 29060980 | 23997880 |
| 6.215 | | 5808 | 10646 |
| 6.274 | | 5880 | 5545 |
| 6.311 | | 1655 | 988 |
| 6.357 | | 1440 | 316 |
| 6.412 | | 1514 | 2221 |
| 6.438 | | 3789 | 3645 |
| 6.471 | | 1093 | 486 |
| 6.485 | | 1650 | 1091 |
| 6.505 | | 1907 | 933 |
| 6.548 | | 29452 | 25683 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.594 | | 918 | 453 |
| 6.611 | | 1388 | 760 |
| 6.659 | | 1718 | 1669 |
| 6.685 | | 809 | 392 |
| 6.701 | | 762 | 302 |
| 6.721 | | 5411 | 6187 |
| 6.764 | | 1430 | 744 |
| 6.79 | | 1441 | 498 |
| 6.806 | | 1004 | 724 |
| 6.877 | | 1681 | 1623 |

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.024.RAW

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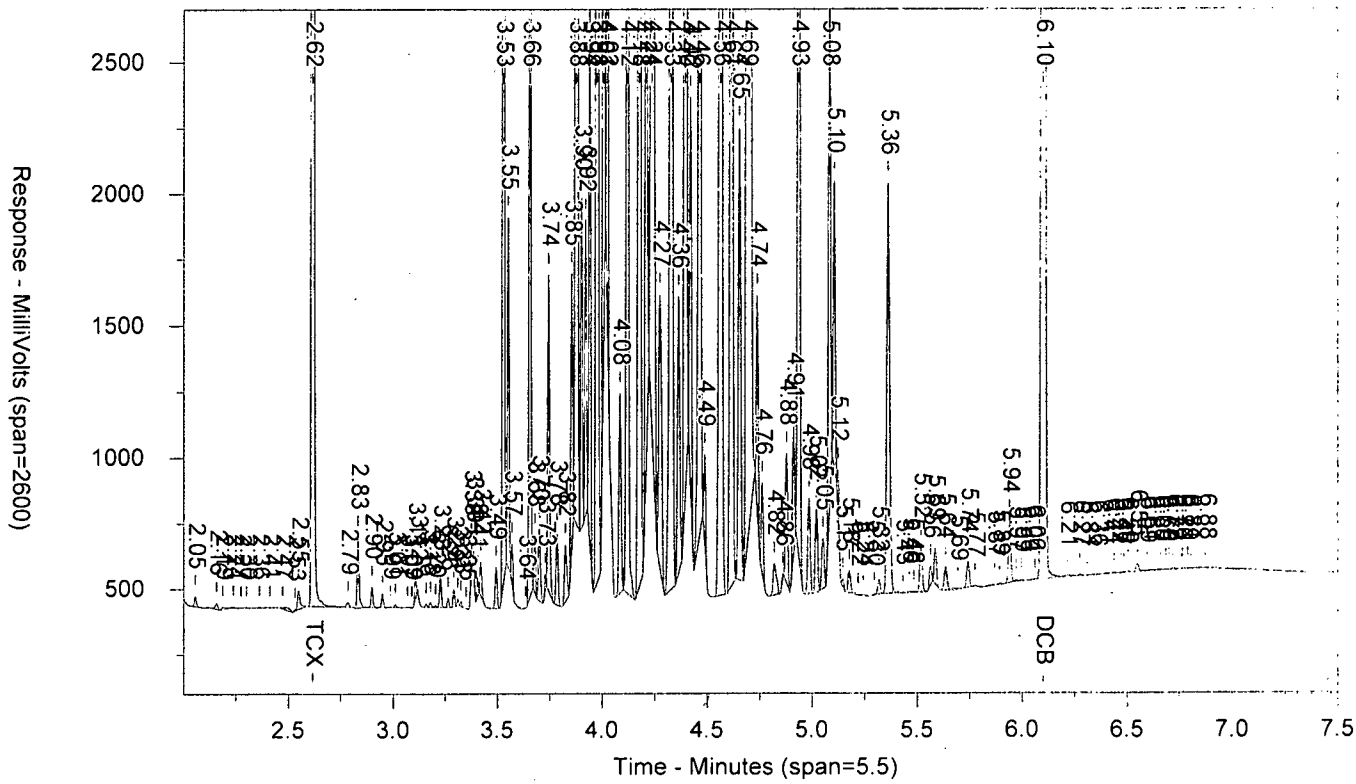


LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

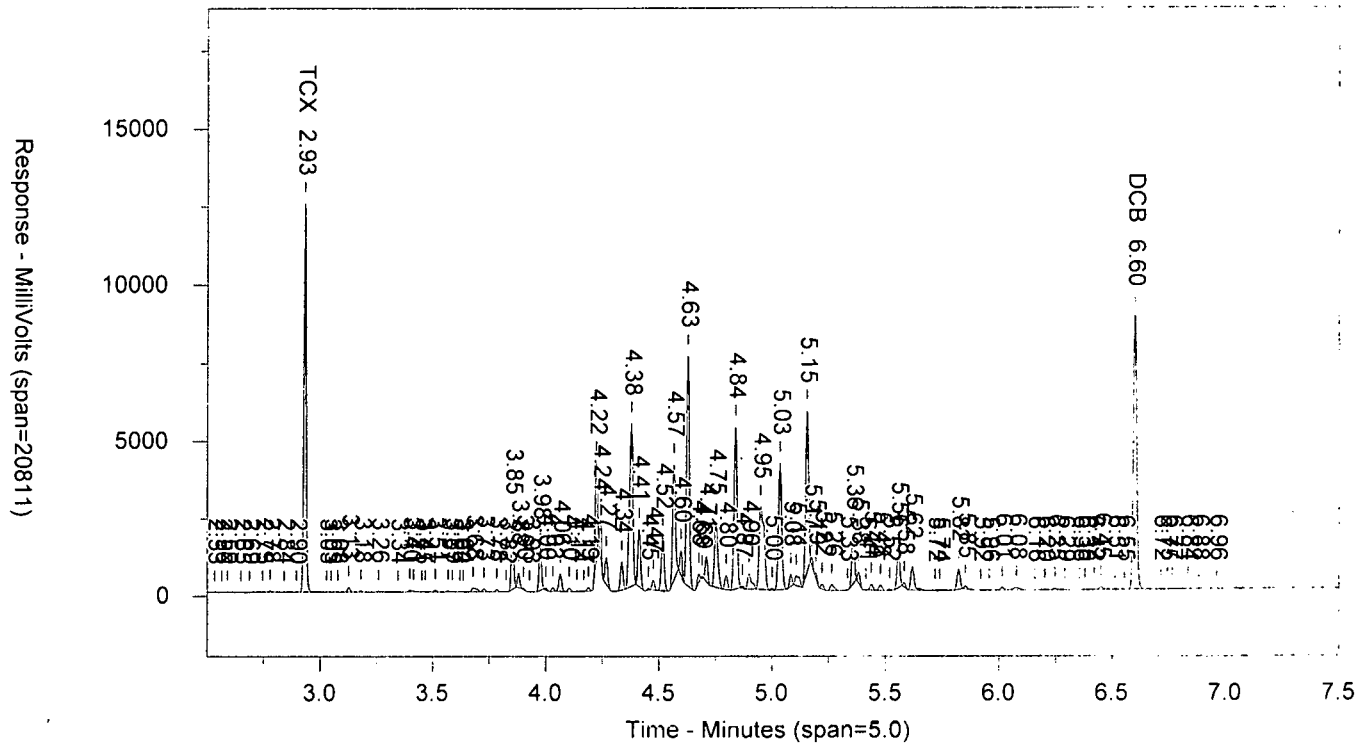
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 12483110 | 85.101 | TCX | 2.615 | 23059290 | 86.67 | TCX |
| 6.599 | 8823522 | 77.227 | DCB | 6.098 | 29060980 | 78.494 | DCB |

Files:
Area File: 25PCBs17289001.024.RAW
Area File: 25PCBs17289001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:11:51 PM
File Reported On: 10/16/2017 at 11:12:01 PM

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.024.RAW

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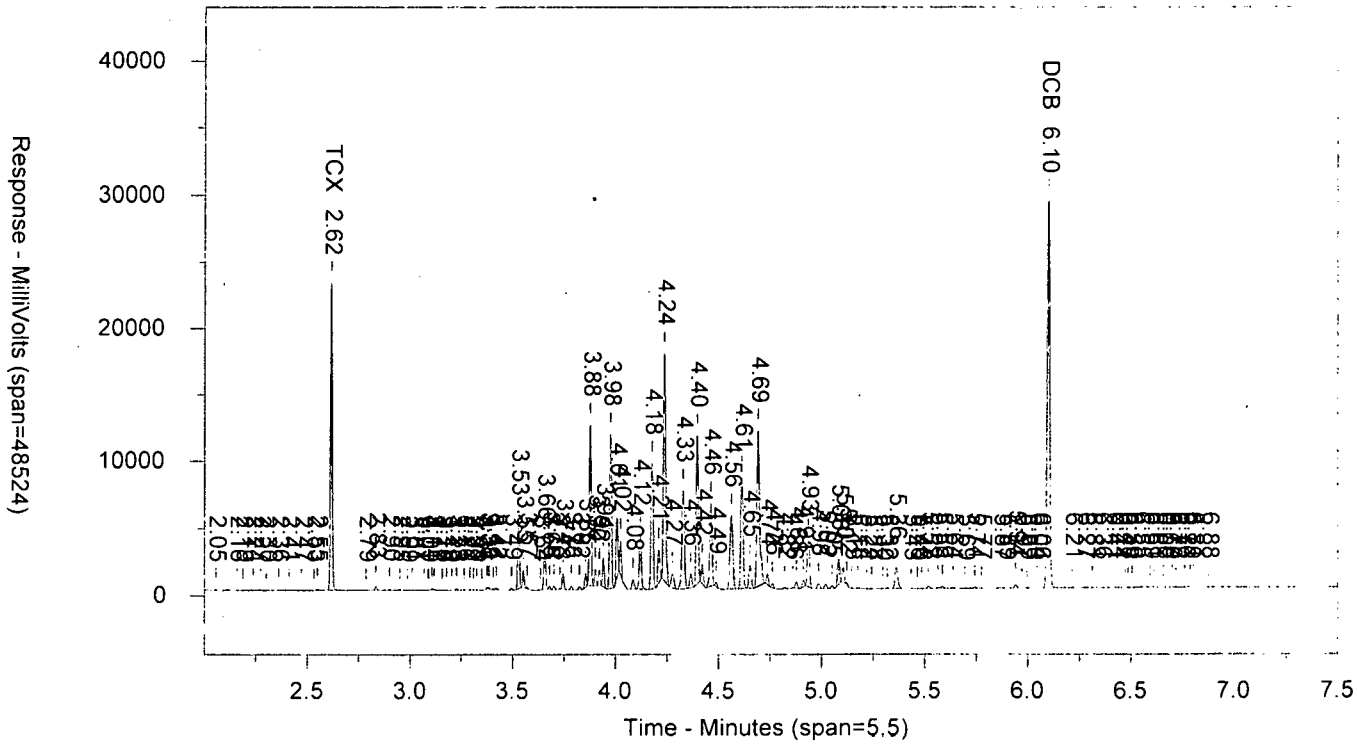

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

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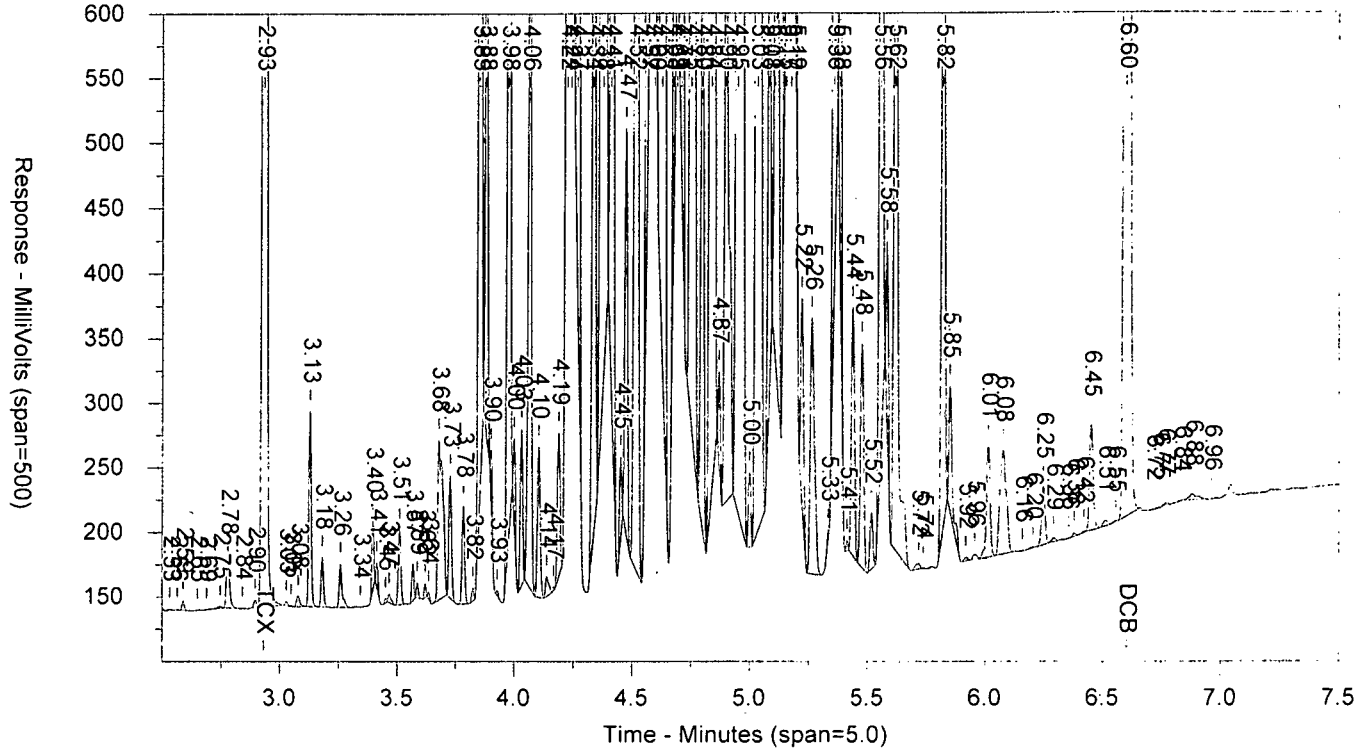


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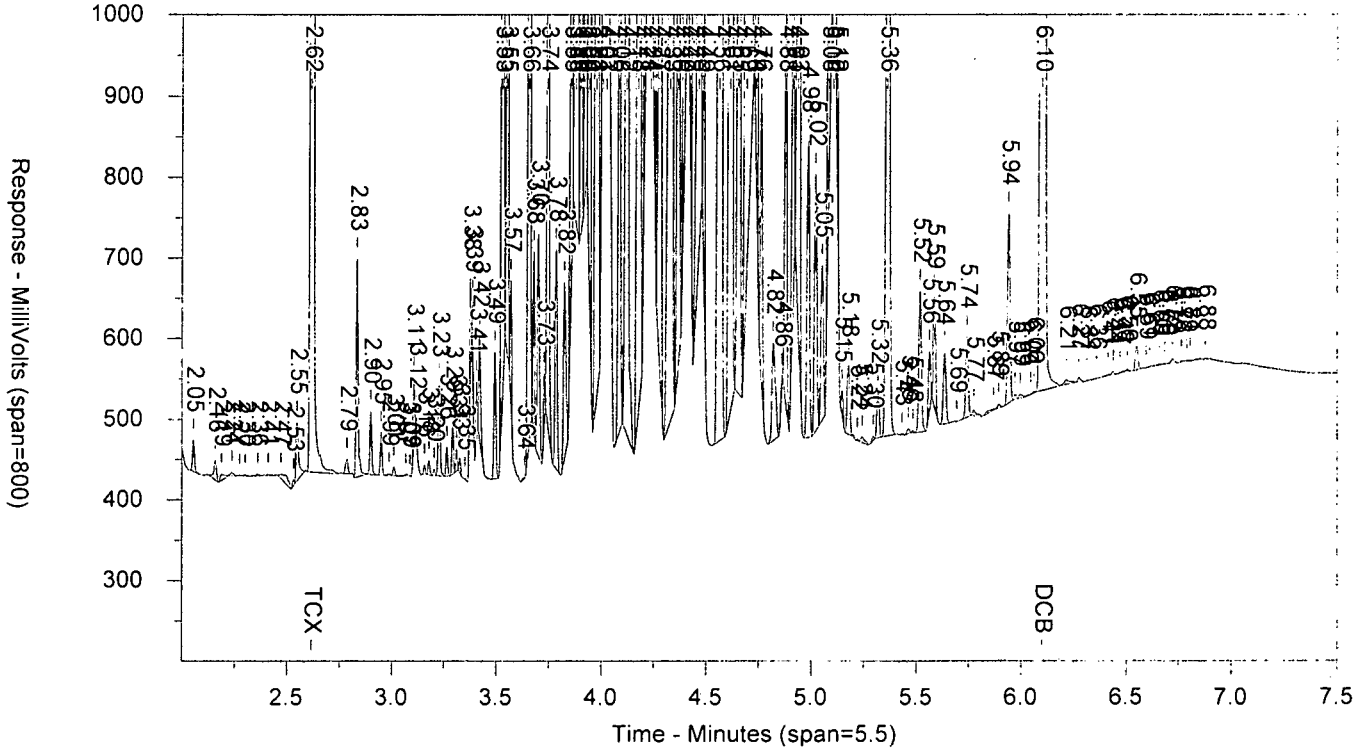

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 7152 | 7759 |
| 2.083 | | 11473 | 19140 |
| 2.141 | | 2397 | 1512 |
| 2.166 | | 898 | 910 |
| 2.216 | | 1843 | 1913 |
| 2.256 | | 593 | 410 |
| 2.289 | | 3383 | 4111 |
| 2.33 | | 20748 | 14093 |
| 2.365 | | 2894 | 5006 |
| 2.49 | | 5637 | 6611 |
| 2.536 | | 2818 | 3464 |
| 2.587 | | 12370 | 9106 |
| 2.652 | | 1035 | 703 |
| 2.677 | | 2038 | 1524 |
| 2.747 | | 1499 | 2057 |
| 2.778 | | 22285 | 21369 |
| 2.897 | | 4092 | 5016 |
| 2.924 | TCX | 755 | 467 |
| 2.996 | | 425 | 220 |
| 3.045 | | 326 | 171 |
| 3.078 | | 1687 | 1396 |
| 3.134 | | 2500 | 1639 |
| 3.157 | | 2280 | 1276 |
| 3.18 | | 13886 | 9475 |
| 3.261 | | 3442 | 3619 |
| 3.318 | | 384 | 178 |
| 3.369 | | 398 | 374 |
| 3.396 | | 15190 | 9093 |
| 3.412 | | 6634 | 3578 |
| 3.449 | | 1566 | 753 |
| 3.479 | | 1115 | 1255 |
| 3.51 | | 22017 | 20885 |
| 3.585 | | 970 | 360 |
| 3.602 | | 1831 | 1149 |
| 3.619 | | 3087 | 1629 |
| 3.633 | | 1855 | 1063 |
| 3.677 | | 9122 | 5274 |
| 3.688 | | 16606 | 8634 |
| 3.725 | | 26627 | 21540 |
| 3.782 | | 20573 | 17019 |
| 3.814 | | 5362 | 4769 |
| 3.852 | | 21891 | 16621 |
| 3.881 | | 16288 | 20057 |
| 3.927 | | 4500 | 4060 |
| 3.975 | | 19052 | 16730 |
| 3.998 | | 3008 | 1478 |
| 4.029 | | 5519 | 3764 |
| 4.063 | | 16712 | 17856 |
| 4.103 | | 4444 | 3368 |
| 4.167 | | 6032 | 5084 |
| 4.187 | | 1943 | 1051 |
| 4.223 | | 137509 | 133739 |
| 4.265 | | 20903 | 18413 |
| 4.335 | | 6963 | 4114 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.353 | | 20964 | 13047 |
| 4.377 | | 147424 | 129133 |
| 4.411 | | 13374 | 9835 |
| 4.453 | | 4403 | 2996 |
| 4.481 | | 11490 | 10471 |
| 4.512 | | 31857 | 29809 |
| 4.582 | | 138146 | 156658 |
| 4.625 | | 82045 | 71197 |
| 4.675 | | 467702 | 501994 |
| 4.712 | | 74525 | 52067 |
| 4.75 | | 809699 | 768537 |
| 4.794 | | 8156 | 7217 |
| 4.836 | | 65194 | 69601 |
| 4.87 | | 3747 | 2250 |
| 4.897 | | 110020 | 102494 |
| 4.948 | | 963697 | 1081910 |
| 4.999 | | 412591 | 408472 |
| 5.039 | | 388098 | 436890 |
| 5.076 | | 21595 | 13240 |
| 5.12 | | 46924 | 43152 |
| 5.153 | | 896554 | 896480 |
| 5.197 | | 12304 | 7082 |
| 5.22 | | 1264556 | 1241281 |
| 5.262 | | 541159 | 555303 |
| 5.323 | | 2319 | 2229 |
| 5.354 | | 228059 | 180737 |
| 5.382 | | 1065136 | 1108701 |
| 5.438 | | 463803 | 432097 |
| 5.475 | | 191478 | 229493 |
| 5.523 | | 49659 | 52917 |
| 5.562 | | 197862 | 205300 |
| 5.617 | | 2713576 | 2943459 |
| 5.714 | | 187 | 215 |
| 5.736 | | 449 | 144 |
| 5.765 | | 1143 | 1261 |
| 5.822 | | 1730610 | 1672729 |
| 5.878 | | 840759 | 1229473 |
| 5.957 | | 3572 | 4649 |
| 6.013 | | 88592 | 89549 |
| 6.091 | | 427457 | 499464 |
| 6.205 | | 707 | 1261 |
| 6.247 | | 1037727 | 1038652 |
| 6.292 | | 65447 | 64581 |
| 6.367 | | 561 | 434 |
| 6.398 | | 292 | 493 |
| 6.449 | | 380708 | 412780 |
| 6.511 | | 4040 | 4983 |
| 6.597 | DCB | 15455 | 20324 |
| 6.66 | | 1460 | 1384 |
| 6.687 | | 684 | 329 |
| 6.769 | | 2102 | 4408 |
| 6.799 | | 592 | 226 |
| 6.835 | | 310 | 1158 |
| 6.882 | | 3935 | 8257 |
| 6.974 | | 593 | 267 |
| 6.992 | | 425 | 116 |

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.105 | | 5253 | 8150 |
| 2.158 | | 13482 | 9056 |
| 2.206 | | 2906 | 6950 |
| 2.233 | | 4151 | 5041 |
| 2.345 | | 19180 | 17112 |
| 2.415 | | 5095 | 5757 |
| 2.495 | | 3777 | 7095 |
| 2.532 | | 7473 | 4940 |
| 2.548 | | 39735 | 33762 |
| 2.65 | | 5641 | 6380 |
| 2.716 | | 3444 | 4617 |
| 2.784 | | 4145 | 6140 |
| 2.846 | | 6910 | 6680 |
| 2.869 | | 1429 | 952 |
| 2.898 | | 27702 | 16359 |
| 2.923 | | 4536 | 2652 |
| 2.984 | | 4311 | 2911 |
| 3.009 | | 3926 | 2473 |
| 3.07 | | 926 | 352 |
| 3.083 | | 851 | 179 |
| 3.106 | | 24533 | 11696 |
| 3.116 | | 9407 | 3777 |
| 3.157 | | 4257 | 2423 |
| 3.183 | | 14651 | 10327 |
| 3.203 | | 2518 | 1255 |
| 3.227 | | 38197 | 24330 |
| 3.263 | | 4549 | 2832 |
| 3.283 | | 1033 | 409 |
| 3.31 | | 10562 | 6046 |
| 3.325 | | 7982 | 4276 |
| 3.351 | | 2637 | 1435 |
| 3.375 | | 22856 | 10642 |
| 3.385 | | 39204 | 16050 |
| 3.404 | | 1496 | 471 |
| 3.419 | | 43312 | 32084 |
| 3.451 | | 3538 | 1765 |
| 3.469 | | 787 | 354 |
| 3.493 | | 43034 | 28506 |
| 3.527 | | 46078 | 25744 |
| 3.551 | | 41563 | 24366 |
| 3.568 | | 4226 | 1488 |
| 3.58 | | 7995 | 3847 |
| 3.609 | | 8578 | 4953 |
| 3.655 | | 48356 | 29792 |
| 3.677 | | 17961 | 9940 |
| 3.698 | | 11570 | 6608 |
| 3.727 | | 13410 | 6791 |
| 3.744 | | 32270 | 19092 |
| 3.784 | | 12745 | 10333 |
| 3.803 | | 855 | 347 |
| 3.831 | | 11833 | 11547 |
| 3.855 | | 18885 | 11835 |
| 3.875 | | 324270 | 212580 |
| 3.901 | | 34793 | 19804 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.921 | | 7350 | 3721 |
| 3.941 | | 45161 | 32314 |
| 3.974 | | 365505 | 253096 |
| 4.007 | | 41430 | 26206 |
| 4.036 | | 93661 | 69934 |
| 4.057 | | 4117 | 1519 |
| 4.073 | | 31616 | 24355 |
| 4.118 | | 46245 | 56024 |
| 4.15 | | 4559 | 4068 |
| 4.175 | | 73686 | 52752 |
| 4.217 | | 257708 | 165220 |
| 4.248 | | 1081414 | 805797 |
| 4.274 | | 278796 | 277889 |
| 4.326 | | 1838698 | 1405070 |
| 4.367 | | 20037 | 18278 |
| 4.395 | | 69413 | 44631 |
| 4.42 | | 275330 | 203892 |
| 4.462 | | 2184690 | 1681293 |
| 4.565 | | 1908260 | 1696722 |
| 4.617 | | 336391 | 269807 |
| 4.656 | | 587880 | 487117 |
| 4.691 | | 1206888 | 1013912 |
| 4.723 | | 2788268 | 2161456 |
| 4.761 | | 1308625 | 1034473 |
| 4.86 | | 571351 | 469329 |
| 4.911 | | 2737003 | 2180433 |
| 4.935 | | 28696 | 14760 |
| 4.985 | | 1044549 | 1018089 |
| 5.02 | | 327627 | 258857 |
| 5.05 | | 319854 | 256309 |
| 5.105 | | 5935056 | 4883812 |
| 5.146 | | 71365 | 52122 |
| 5.178 | | 351352 | 292695 |
| 5.223 | | 1356 | 713 |
| 5.256 | | 3744 | 3091 |
| 5.295 | | 94290 | 61515 |
| 5.318 | | 2307562 | 1887446 |
| 5.366 | | 3877180 | 4022210 |
| 5.464 | | 876 | 455 |
| 5.482 | | 2549 | 1352 |
| 5.518 | | 185322 | 165618 |
| 5.563 | | 31218 | 19770 |
| 5.586 | | 126509 | 98170 |
| 5.635 | | 998094 | 841082 |
| 5.704 | | 1067 | 651 |
| 5.741 | | 2674358 | 2267667 |
| 5.773 | | 145790 | 107943 |
| 5.856 | | 663 | 3170 |
| 5.908 | | 1326 | 1051 |
| 5.939 | | 1184148 | 992349 |
| 6.003 | | 2762 | 1997 |
| 6.052 | | 2820 | 3380 |
| 6.098 | DCB | 45326 | 42420 |
| 6.146 | | 3471 | 6007 |
| 6.215 | | 5372 | 10953 |
| 6.276 | | 6011 | 5027 |
| 6.314 | | 1421 | 830 |
| 6.329 | | 1555 | 881 |
| 6.355 | | 927 | 411 |
| 6.364 | | 1352 | 471 |
| 6.401 | | 1321 | 1183 |
| 6.445 | | 1030 | 998 |
| 6.453 | | 1283 | 349 |
| 6.483 | | 858 | 835 |
| 6.511 | | 2190 | 2200 |
| 6.543 | | 992 | 539 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.583 | | 1067 | 648 |
| 6.593 | | 1578 | 706 |
| 6.626 | | 1302 | 1155 |
| 6.663 | | 2016 | 3356 |
| 6.722 | | 679 | 548 |
| 6.735 | | 1371 | 542 |
| 6.757 | | 1943 | 1057 |
| 6.788 | | 1111 | 360 |
| 6.817 | | 855 | 702 |
| 6.882 | | 3592 | 14802 |
| 6.974 | | 1469 | 1519 |

AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

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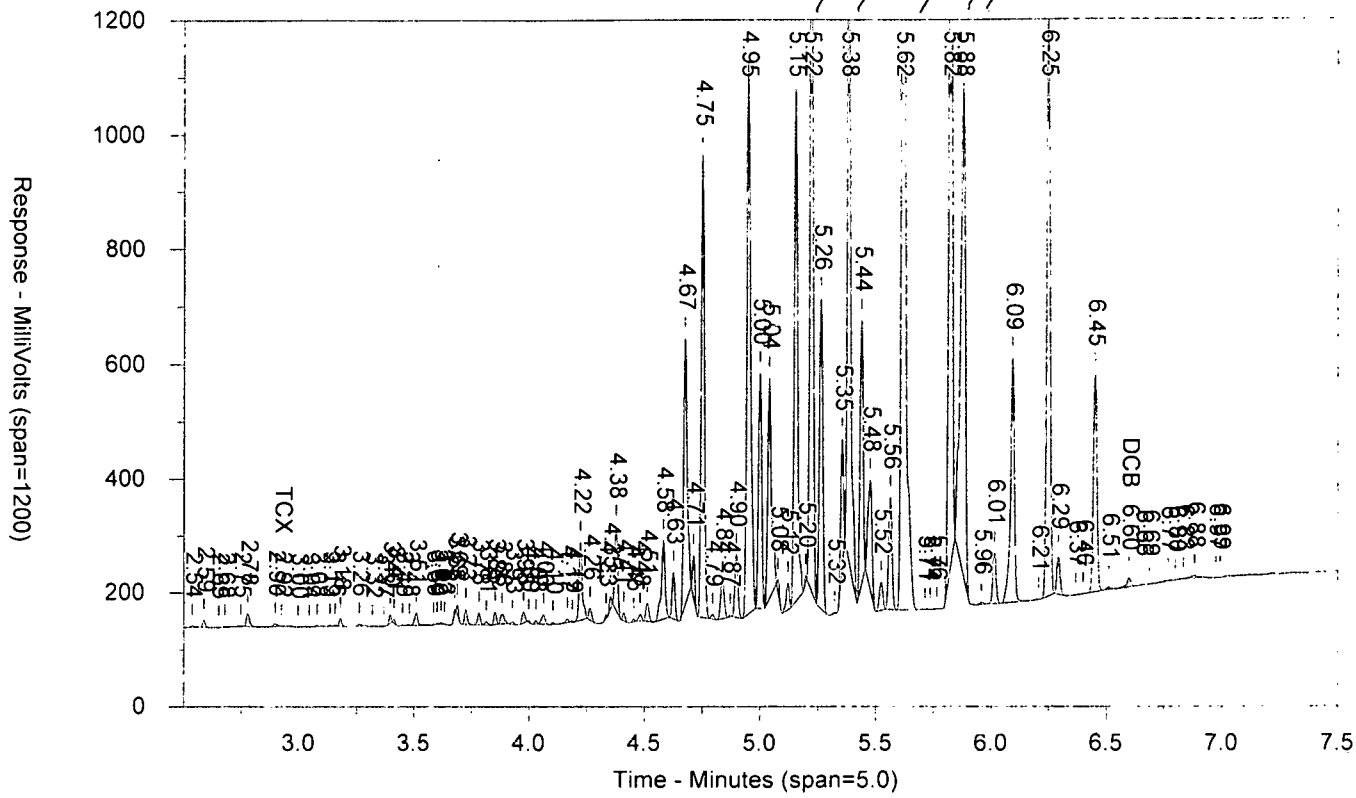


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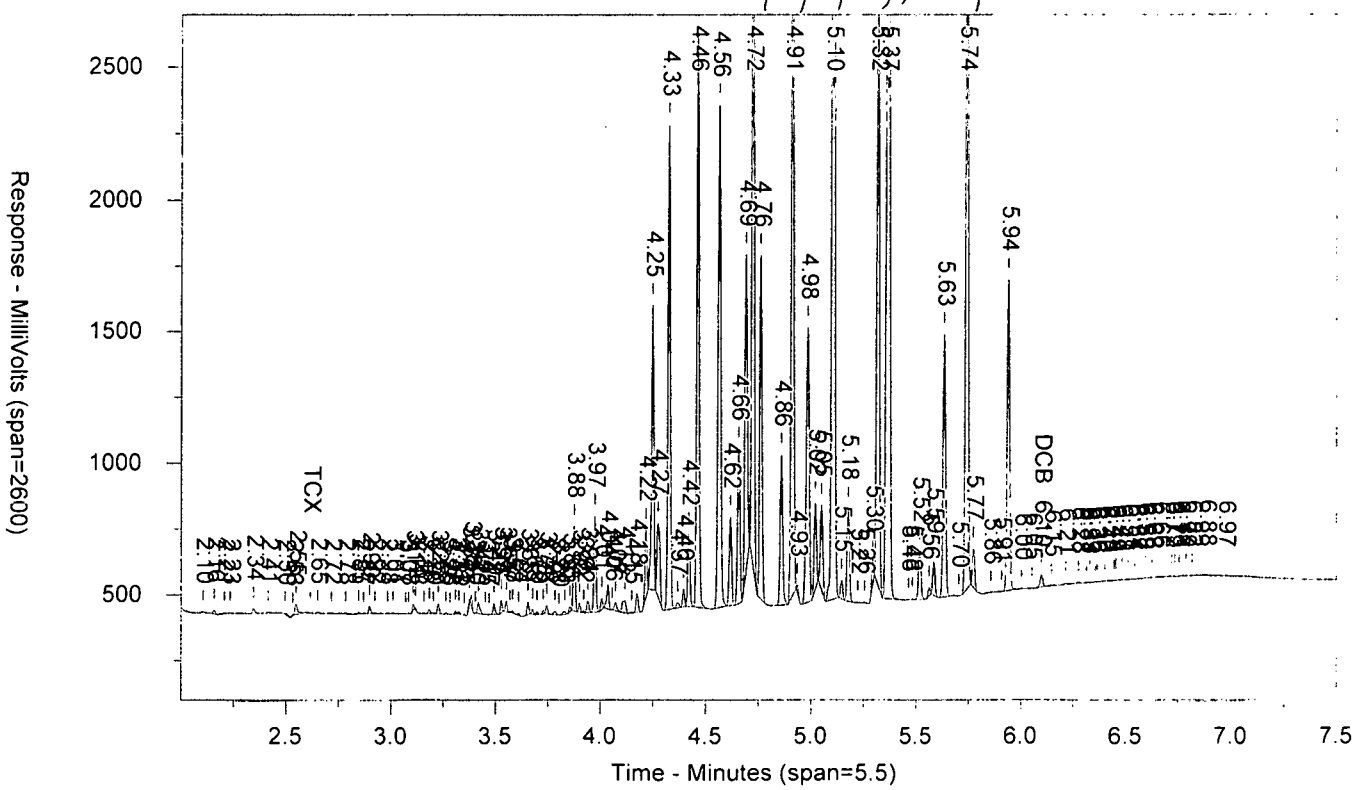

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.924 | 755 | .005 | TCX | | 0 | | TCX |
| 6.597 | 15455 | .135 | DCB | 6.098 | 45326 | .122 | DCB |

Files:
Area File: 25PCBs17289001.025.RAW
Area File: 25PCBs17289001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:23:12 PM
File Reported On: 10/16/2017 at 11:23:25 PM

AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

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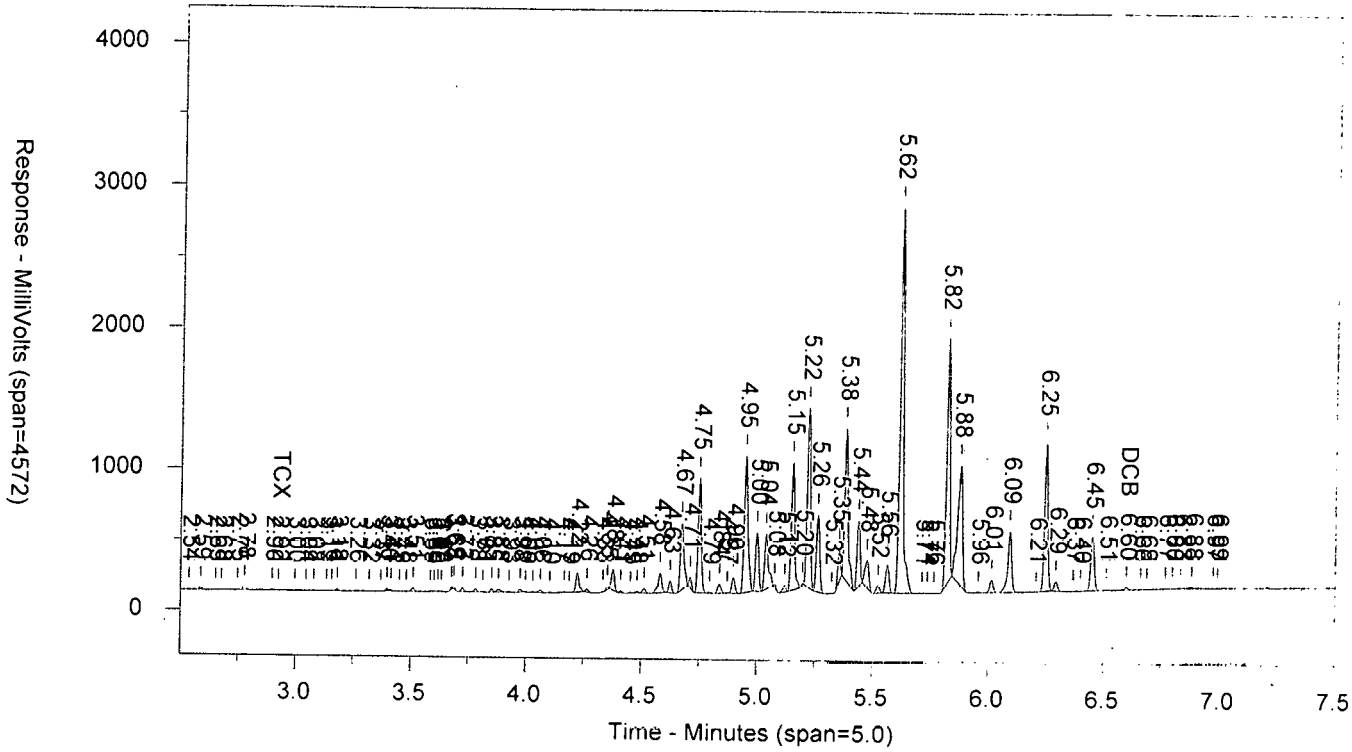


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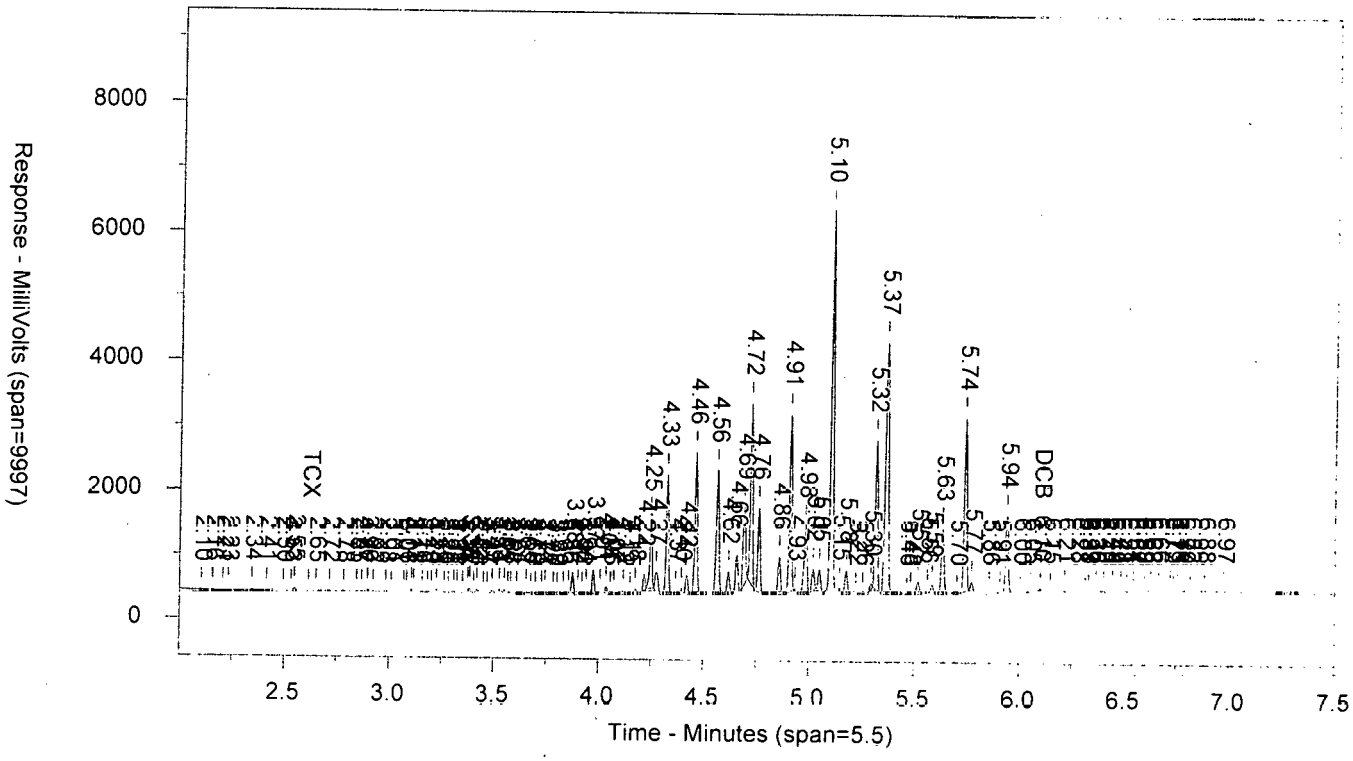
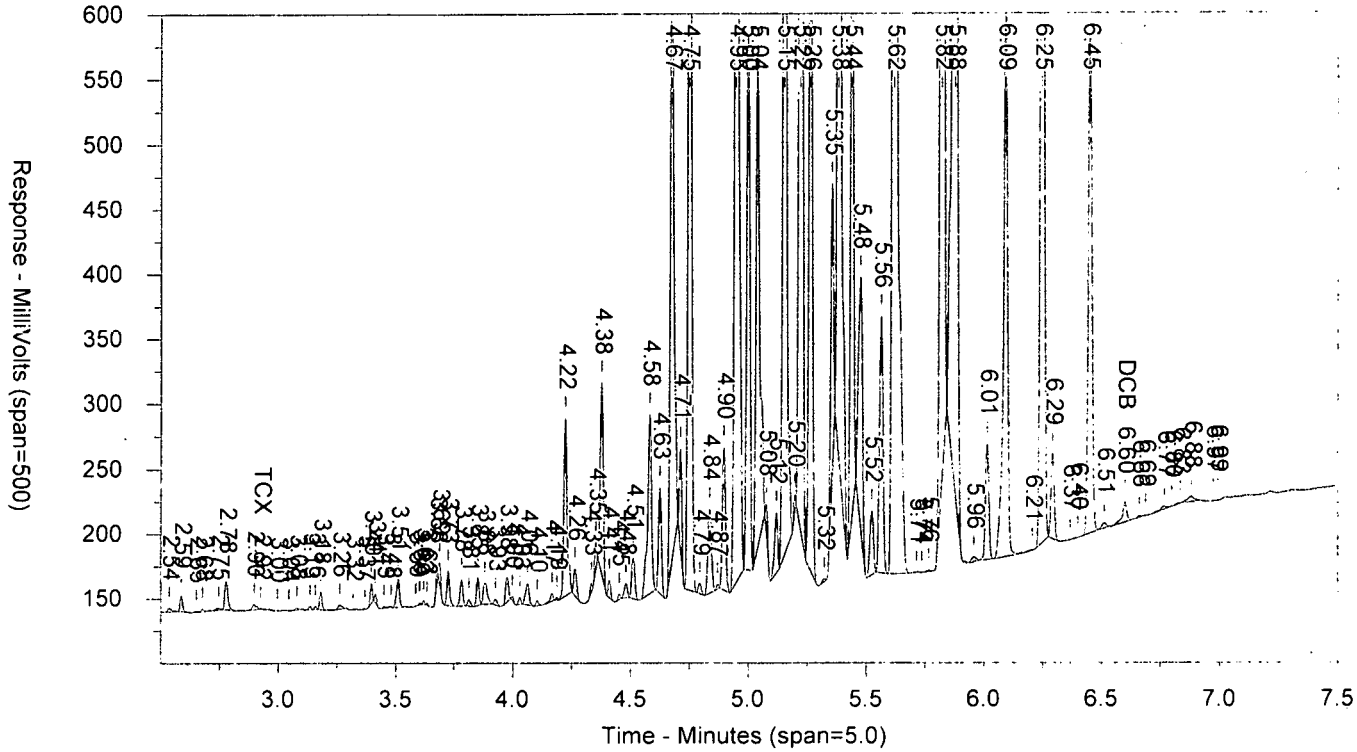


AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.025.RAW

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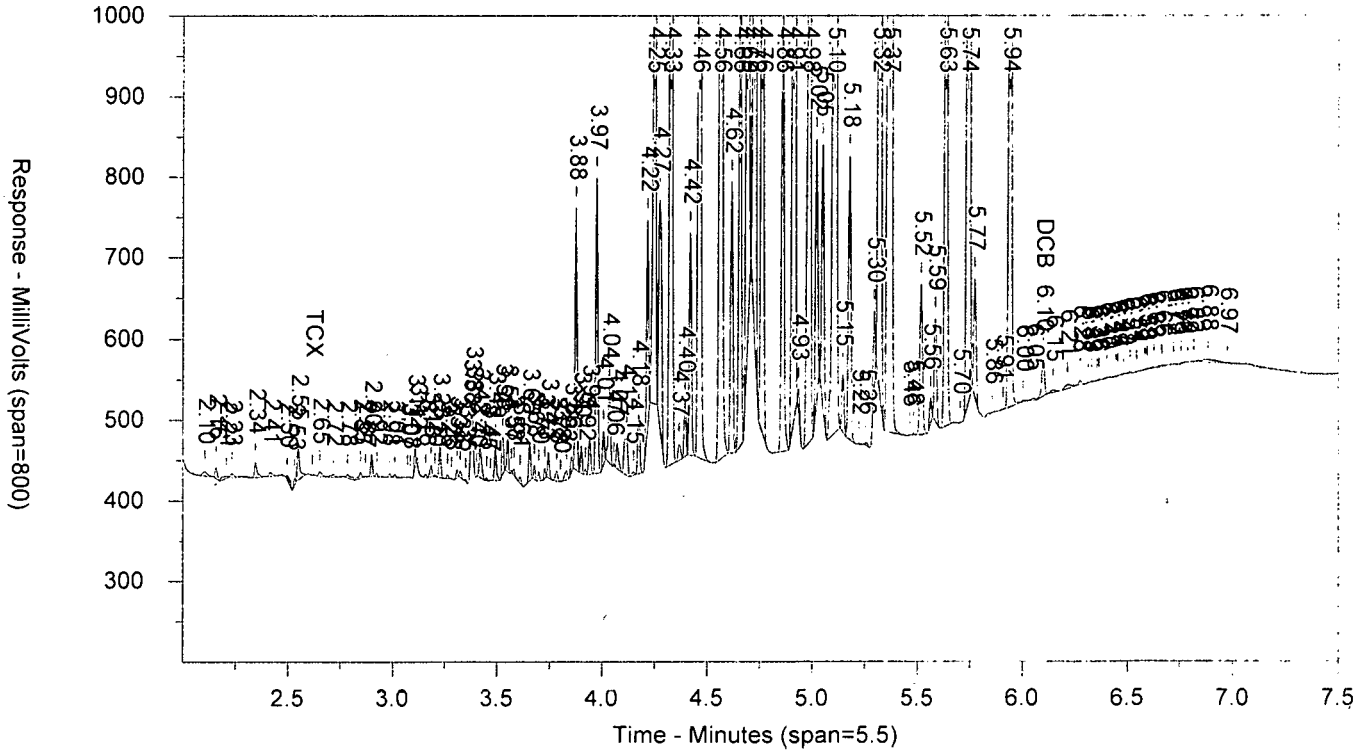


LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 6671 | 6927 |
| 2.084 | | 16489 | 33473 |
| 2.299 | | 378 | 189 |
| 2.33 | | 22359 | 15645 |
| 2.368 | | 2371 | 2555 |
| 2.441 | | 544 | 376 |
| 2.489 | | 5527 | 6642 |
| 2.531 | | 951 | 807 |
| 2.562 | | 614 | 365 |
| 2.589 | | 2551 | 2242 |
| 2.65 | | 791 | 600 |
| 2.677 | | 361 | 150 |
| 2.705 | | 392 | 296 |
| 2.75 | | 1461 | 1768 |
| 2.778 | | 29841 | 29987 |
| 2.871 | | 537 | 249 |
| 2.895 | | 4046 | 3670 |
| 2.944 | TCX | 948 | 2171 |
| 3.02 | | 574 | 866 |
| 3.077 | | 512 | 531 |
| 3.101 | | 692 | 612 |
| 3.135 | | 557 | 182 |
| 3.18 | | 1992 | 1447 |
| 3.261 | | 3595 | 4832 |
| 3.396 | | 4414 | 6863 |
| 3.465 | | 349 | 71 |
| 3.48 | | 456 | 186 |
| 3.509 | | 4972 | 5437 |
| 3.54 | | 1274 | 1534 |
| 3.602 | | 3372 | 3702 |
| 3.677 | | 3191 | 1674 |
| 3.688 | | 4206 | 2084 |
| 3.726 | | 7196 | 6647 |
| 3.782 | | 6220 | 5065 |
| 3.807 | | 304 | 133 |
| 3.852 | | 5838 | 4333 |
| 3.88 | | 4767 | 5999 |
| 3.927 | | 3677 | 3642 |
| 3.974 | | 7170 | 5292 |
| 3.997 | | 2056 | 1289 |
| 4.03 | | 3221 | 2590 |
| 4.063 | | 7949 | 7415 |
| 4.103 | | 2951 | 2417 |
| 4.166 | | 6691 | 7128 |
| 4.219 | | 9349 | 10782 |
| 4.241 | | 8973 | 5337 |
| 4.265 | | 15023 | 13506 |
| 4.331 | | 914 | 1211 |
| 4.368 | | 10200 | 8306 |
| 4.388 | | 3520 | 1860 |
| 4.41 | | 1681 | 1166 |
| 4.44 | | 476 | 207 |
| 4.47 | | 3057 | 2914 |
| 4.512 | | 19363 | 18090 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.565 | | 6982 | 6445 |
| 4.625 | | 7527 | 11607 |
| 4.676 | | 4502 | 3981 |
| 4.708 | | 5565 | 4967 |
| 4.752 | | 7975 | 7481 |
| 4.794 | | 13992 | 12674 |
| 4.835 | | 12681 | 12362 |
| 4.873 | | 20569 | 18405 |
| 4.948 | | 8840 | 11866 |
| 5 | | 39129 | 36042 |
| 5.035 | | 9926 | 9484 |
| 5.058 | | 1959 | 1098 |
| 5.081 | | 788 | 442 |
| 5.113 | | 8629 | 8347 |
| 5.153 | | 22976 | 20509 |
| 5.193 | | 15534 | 10547 |
| 5.22 | | 475924 | 465586 |
| 5.262 | | 41464 | 37316 |
| 5.324 | | 2789 | 2988 |
| 5.354 | | 28443 | 23055 |
| 5.402 | | 593245 | 683851 |
| 5.438 | | 6647 | 3761 |
| 5.465 | | 185859 | 191214 |
| 5.518 | | 29037 | 32363 |
| 5.562 | | 8265 | 8653 |
| 5.617 | | 245211 | 210469 |
| 5.641 | | 129831 | 106931 |
| 5.718 | | 2201 | 2504 |
| 5.768 | | 574 | 354 |
| 5.822 | | 3060496 | 3048976 |
| 5.879 | | 2653105 | 2963555 |
| 5.956 | | 2922 | 3276 |
| 6.013 | | 2384634 | 2553282 |
| 6.077 | | 637730 | 759284 |
| 6.123 | | 852 | 477 |
| 6.158 | | 1152 | 925 |
| 6.211 | | 116 | 1195 |
| 6.246 | | 1072416 | 1103437 |
| 6.291 | | 6640 | 5301 |
| 6.326 | | 5540 | 6008 |
| 6.37 | | 708 | 829 |
| 6.388 | | 1817 | 1684 |
| 6.449 | | 8790361 | 8828236 |
| 6.597 | DCB | 1704875 | 1788608 |
| 6.658 | | 4537 | 4100 |
| 6.695 | | 206 | 312 |
| 6.742 | | 983 | 900 |
| 6.769 | | 1316 | 1401 |
| 6.821 | | 823 | 848 |
| 6.84 | | 542 | 307 |
| 6.877 | | 2570 | 2726 |
| 6.906 | | 4083 | 3881 |
| 6.992 | | 550 | 639 |

LANCASTER LABORATORIES

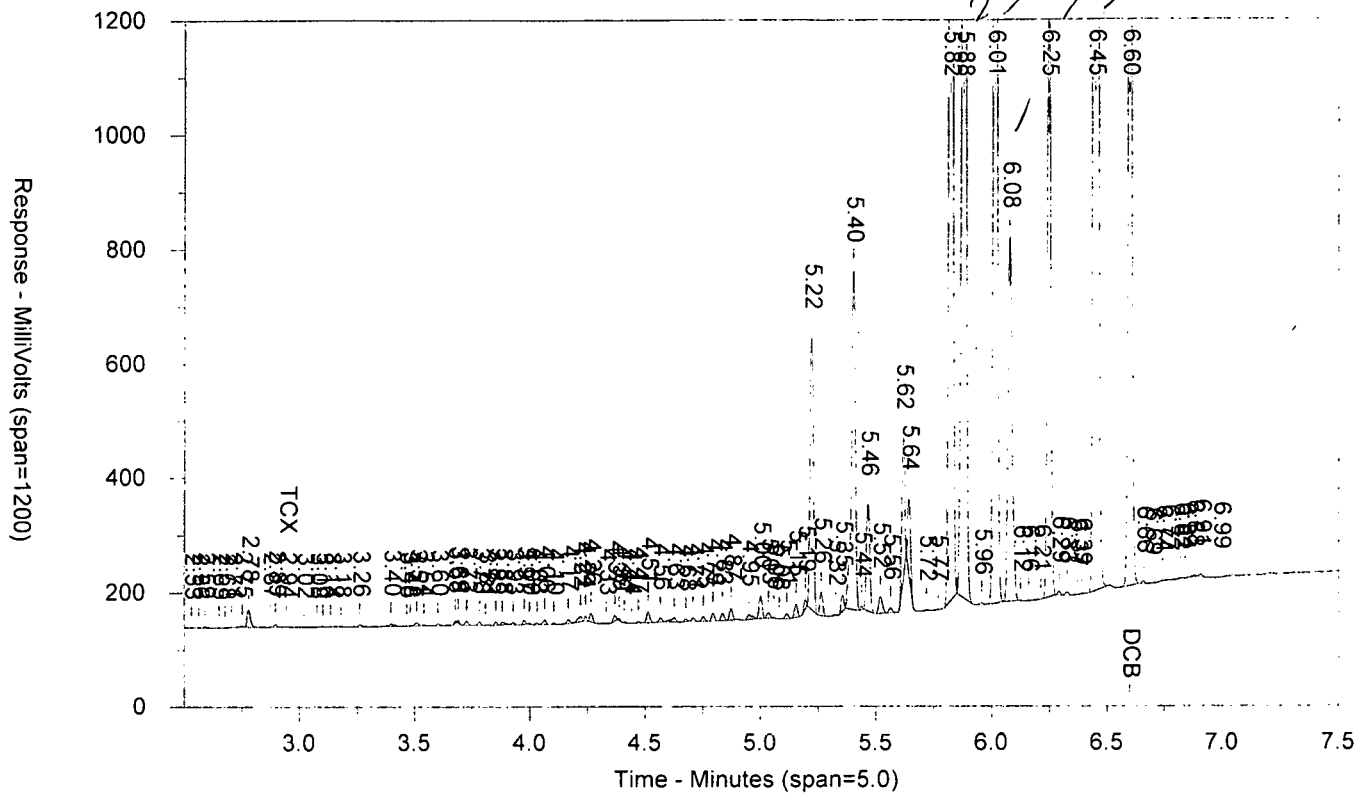
Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.118 | | 1695 | 1879 |
| 2.158 | | 8945 | 6270 |
| 2.194 | | 1673 | 2543 |
| 2.235 | | 5666 | 5512 |
| 2.279 | | 1383 | 2614 |
| 2.364 | | 3236 | 3214 |
| 2.413 | | 1745 | 1786 |
| 2.532 | | 6532 | 4269 |
| 2.548 | | 59093 | 96446 |
| 2.845 | | 2624 | 4474 |
| 2.899 | | 4280 | 4637 |
| 2.989 | | 2068 | 1922 |
| 3.075 | | 1261 | 1309 |
| 3.106 | | 4960 | 2178 |
| 3.118 | | 3512 | 1401 |
| 3.139 | | 919 | 292 |
| 3.161 | | 1365 | 938 |
| 3.172 | | 620 | 210 |
| 3.183 | | 5850 | 3623 |
| 3.205 | | 878 | 451 |
| 3.227 | | 8059 | 5773 |
| 3.259 | | 487 | 126 |
| 3.264 | | 1405 | 509 |
| 3.278 | | 1152 | 667 |
| 3.3 | | 464 | 74 |
| 3.31 | | 2056 | 1179 |
| 3.326 | | 3673 | 1794 |
| 3.351 | | 1279 | 647 |
| 3.376 | | 6614 | 3340 |
| 3.384 | | 9727 | 4011 |
| 3.419 | | 11620 | 9926 |
| 3.453 | | 1363 | 892 |
| 3.493 | | 13899 | 9542 |
| 3.511 | | 685 | 133 |
| 3.528 | | 14511 | 9136 |
| 3.552 | | 15112 | 8473 |
| 3.569 | | 3442 | 1405 |
| 3.586 | | 3115 | 4234 |
| 3.627 | | 1947 | 1140 |
| 3.655 | | 19940 | 12946 |
| 3.677 | | 7792 | 4053 |
| 3.698 | | 6182 | 2875 |
| 3.715 | | 2704 | 1429 |
| 3.728 | | 3600 | 1354 |
| 3.744 | | 15232 | 9564 |
| 3.785 | | 7751 | 6389 |
| 3.832 | | 12291 | 9787 |
| 3.856 | | 14960 | 10953 |
| 3.878 | | 31013 | 18827 |
| 3.902 | | 26372 | 16277 |
| 3.943 | | 19023 | 15182 |
| 3.975 | | 7308 | 4984 |
| 4.01 | | 22599 | 17236 |
| 4.037 | | 11612 | 6884 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.075 | | 8788 | 9478 |
| 4.109 | | 31936 | 29417 |
| 4.15 | | 10981 | 7987 |
| 4.175 | | 9304 | 5925 |
| 4.208 | | 5312 | 3772 |
| 4.235 | | 11504 | 6601 |
| 4.249 | | 5327 | 2355 |
| 4.281 | | 2359 | 1830 |
| 4.326 | | 28132 | 27399 |
| 4.366 | | 29485 | 21921 |
| 4.396 | | 13486 | 9369 |
| 4.419 | | 10808 | 5905 |
| 4.437 | | 39955 | 26692 |
| 4.463 | | 17361 | 13166 |
| 4.564 | | 99791 | 82448 |
| 4.615 | | 27027 | 22265 |
| 4.658 | | 45836 | 44794 |
| 4.693 | | 11540 | 8647 |
| 4.723 | | 1018522 | 860812 |
| 4.762 | | 82592 | 58468 |
| 4.86 | | 69629 | 56130 |
| 4.909 | | 1411312 | 1160712 |
| 4.936 | | 6419 | 2925 |
| 4.975 | | 357684 | 330236 |
| 5.037 | | 6985 | 4567 |
| 5.054 | | 38851 | 29523 |
| 5.104 | | 603930 | 507335 |
| 5.176 | | 375434 | 320297 |
| 5.258 | | 6257 | 6871 |
| 5.295 | | 45369 | 29678 |
| 5.319 | | 7258856 | 5660995 |
| 5.366 | | 7120308 | 5846772 |
| 5.517 | | 6494218 | 5309243 |
| 5.585 | | 1634750 | 1382958 |
| 5.635 | | 217353 | 183643 |
| 5.67 | | 2733 | 2184 |
| 5.741 | | 3115708 | 2455090 |
| 5.772 | | 13422 | 8778 |
| 5.833 | | 1460 | 1179 |
| 5.866 | | 14670 | 17209 |
| 5.888 | | 1213 | 270 |
| 5.899 | | 1748 | 952 |
| 5.939 | | 28354480 | 22573850 |
| 6.097 | DCB | 5660103 | 4739658 |
| 6.212 | | 4918 | 6999 |
| 6.273 | | 16995 | 19541 |
| 6.332 | | 2590 | 3607 |
| 6.351 | | 1039 | 482 |
| 6.375 | | 1241 | 599 |
| 6.387 | | 901 | 359 |
| 6.434 | | 16625 | 14938 |
| 6.487 | | 1017 | 875 |
| 6.503 | | 1109 | 496 |
| 6.51 | | 1603 | 985 |
| 6.537 | | 931 | 396 |
| 6.571 | | 1157 | 773 |
| 6.599 | | 510 | 804 |
| 6.608 | | 1033 | 458 |
| 6.735 | | 1101 | 8171 |
| 6.772 | | 1652 | 2123 |
| 6.812 | | 953 | 582 |
| 6.838 | | 818 | 517 |
| 6.878 | | 2529 | 10504 |

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.026.RAW

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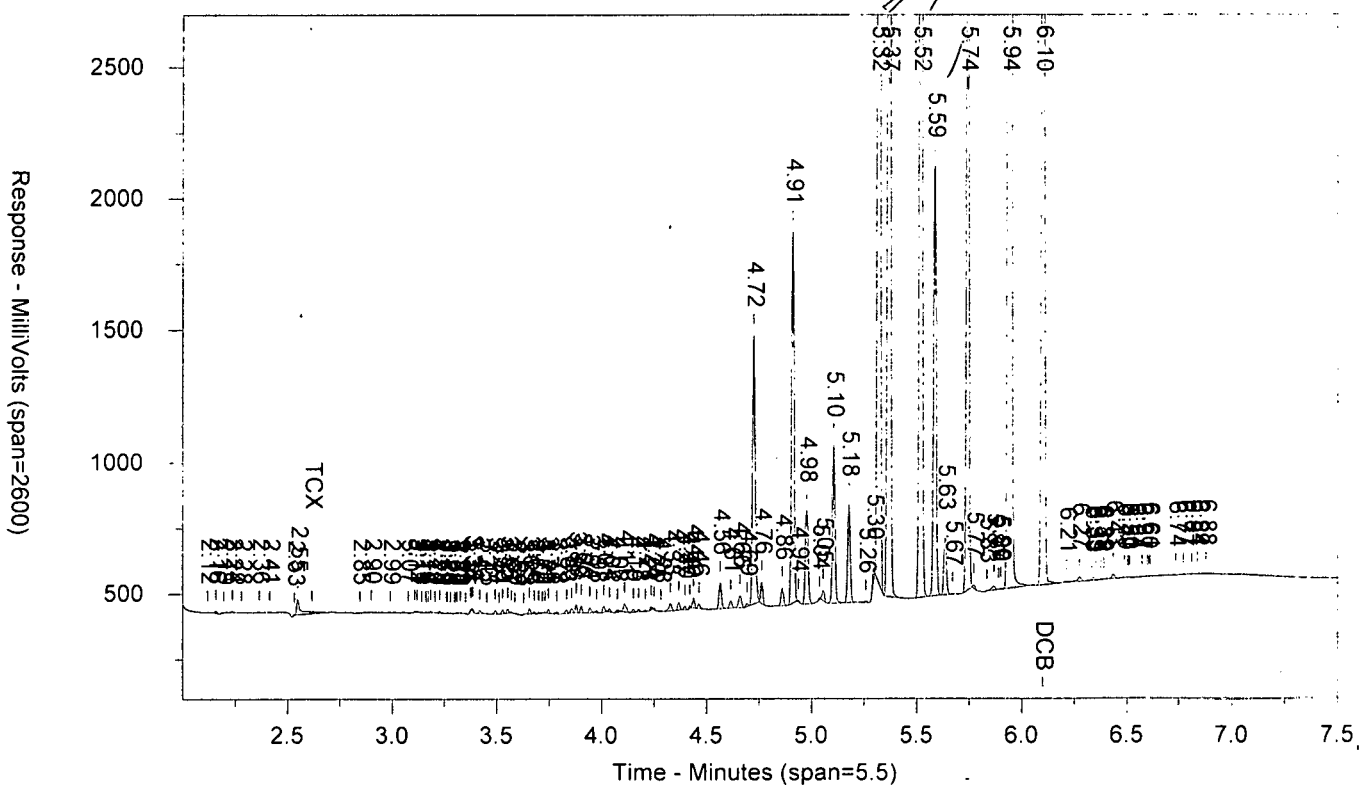

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.944 | 948 | .006 | TCX | | 0 | | TCX |
| 6.597 | 1704875 | 14.922 | DCB | 6.097 | 5660103 | 15.288 | DCB |

Files:
Area File: 25PCBs17289001.026.RAW
Area File: 25PCBs17289001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:34:28 PM
File Reported On: 10/16/2017 at 11:34:35 PM

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

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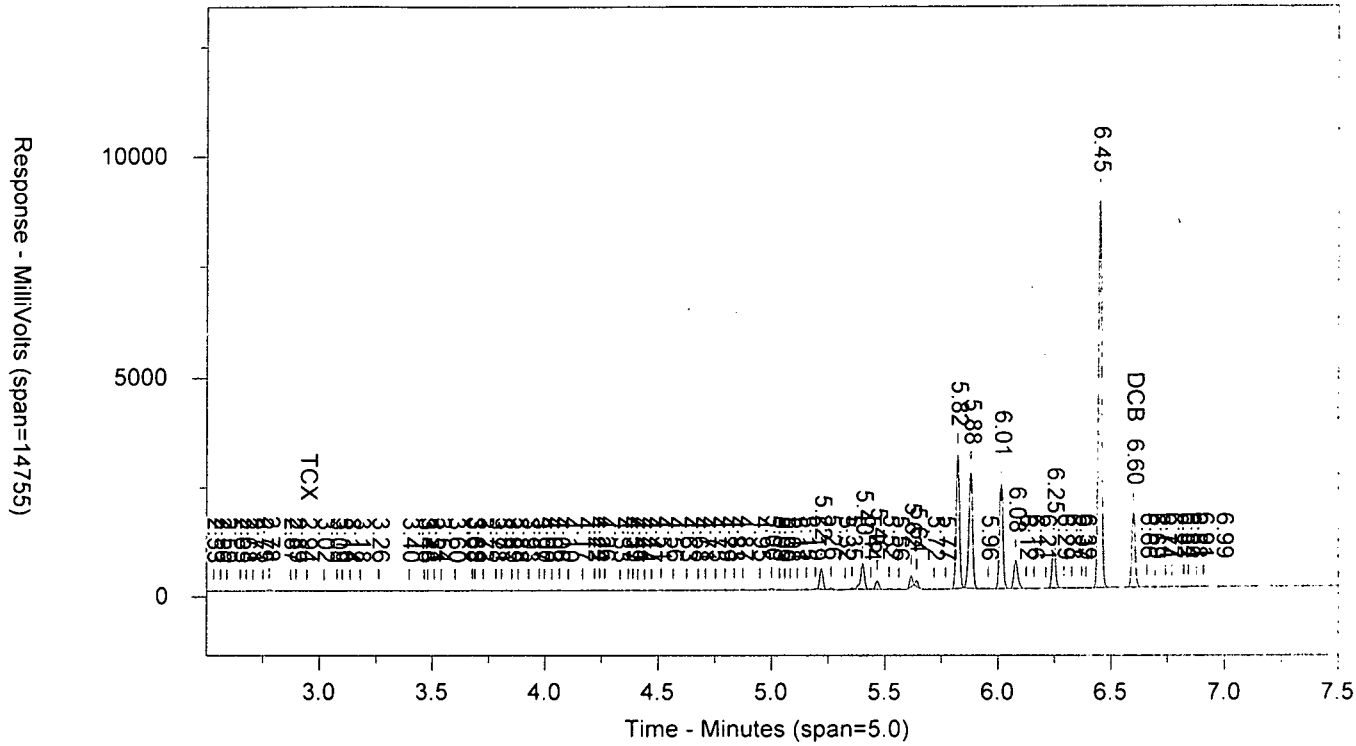


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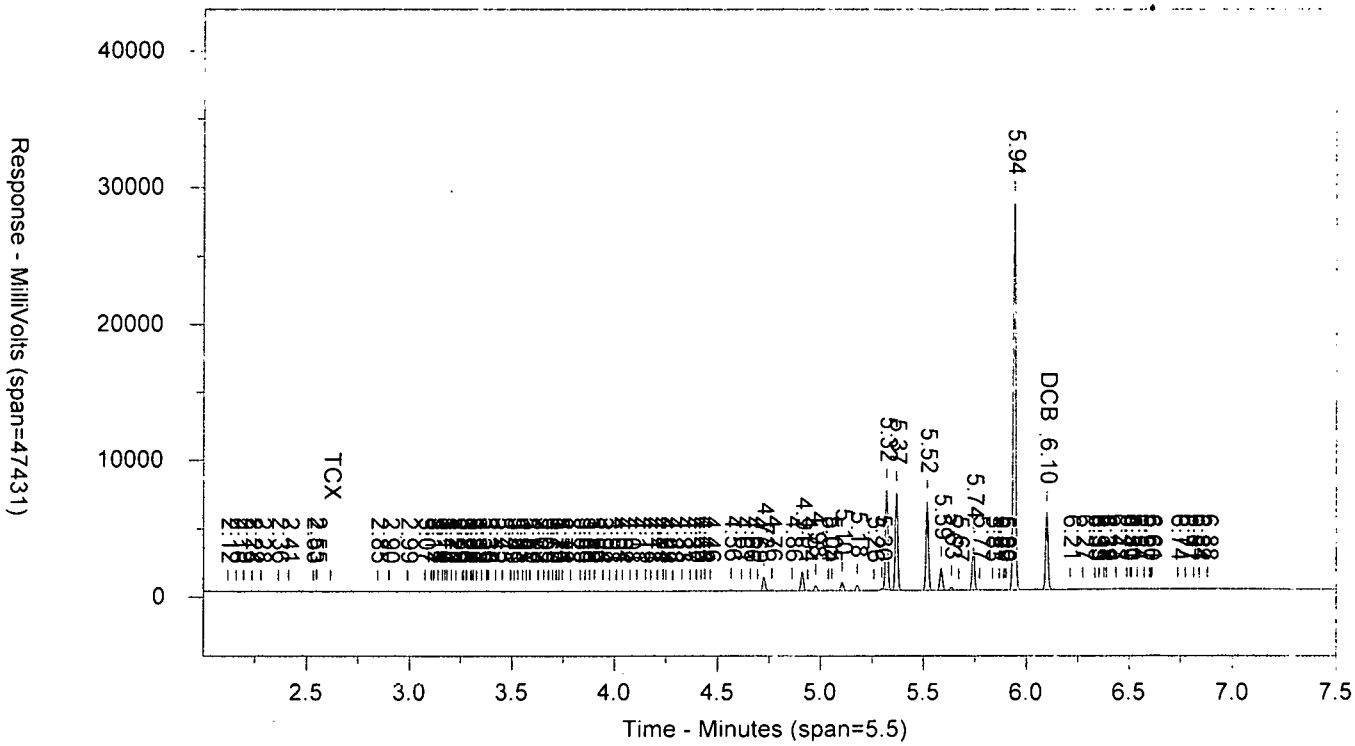

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

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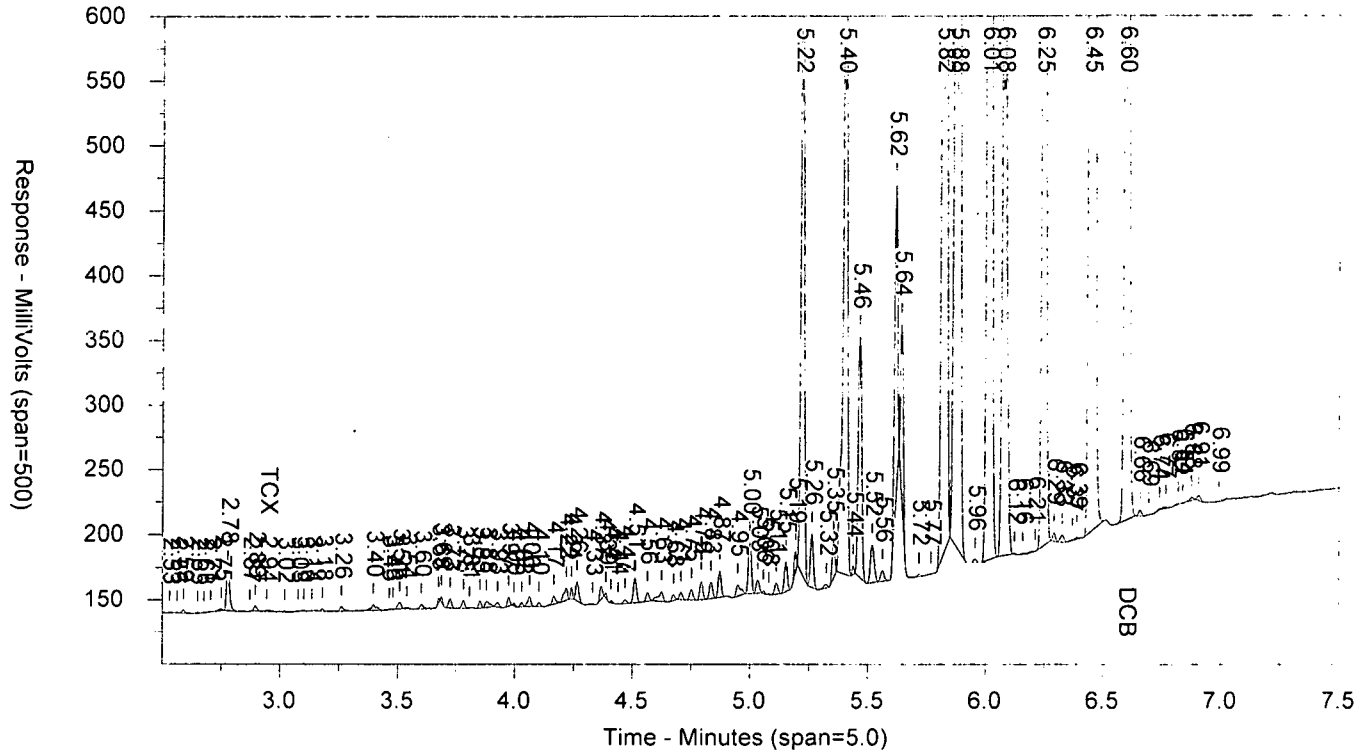


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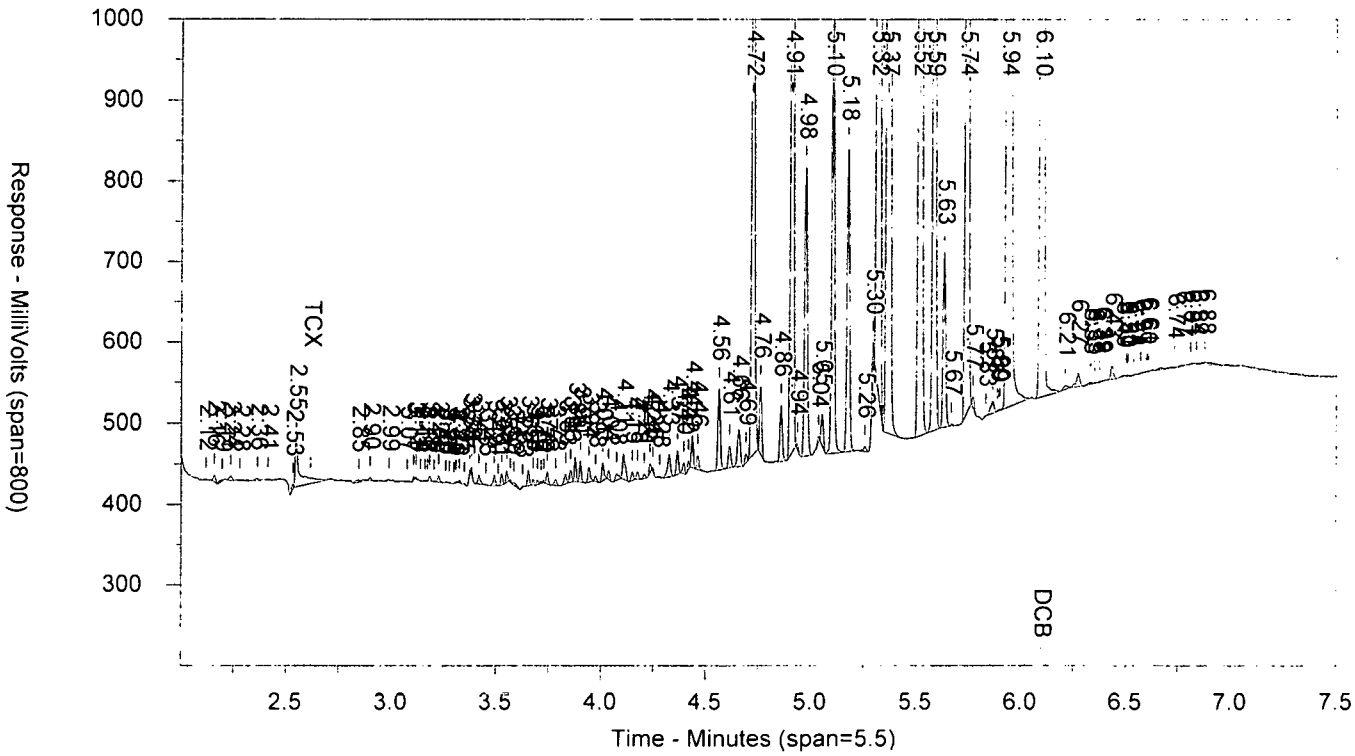


LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.01 | | 427 | 253 |
| 2.036 | | 10309 | 10468 |
| 2.083 | | 9741 | 18343 |
| 2.231 | | 25404 | 21760 |
| 2.306 | | 597 | 440 |
| 2.331 | | 19531 | 19075 |
| 2.364 | | 2048 | 1945 |
| 2.49 | | 7426 | 8770 |
| 2.533 | | 4732 | 4047 |
| 2.568 | | 194476 | 144865 |
| 2.651 | | 769 | 963 |
| 2.708 | | 717 | 1158 |
| 2.745 | | 1530 | 2013 |
| 2.778 | | 14045 | 11693 |
| 2.806 | | 2381 | 1400 |
| 2.842 | | 64392 | 44969 |
| 2.895 | | 4678 | 3691 |
| 2.931 | TCX | 5763076 | 4039899 |
| 3.026 | | 1188 | 805 |
| 3.078 | | 260646 | 224767 |
| 3.133 | | 230329 | 194859 |
| 3.18 | | 719772 | 529562 |
| 3.258 | | 14825 | 8978 |
| 3.273 | | 3385 | 1469 |
| 3.333 | | 338 | 167 |
| 3.396 | | 43444 | 25452 |
| 3.416 | | 36449 | 40835 |
| 3.449 | | 4867 | 2224 |
| 3.476 | | 82600 | 59274 |
| 3.51 | | 58032 | 44158 |
| 3.567 | | 10629 | 6347 |
| 3.585 | | 2266 | 974 |
| 3.602 | | 1576 | 783 |
| 3.619 | | 11883 | 6233 |
| 3.635 | | 11958 | 6058 |
| 3.677 | | 19905 | 11186 |
| 3.688 | | 53874 | 28741 |
| 3.725 | | 73325 | 53975 |
| 3.782 | | 47281 | 36360 |
| 3.822 | | 1348 | 787 |
| 3.852 | | 14465 | 10496 |
| 3.879 | | 9918 | 8260 |
| 3.9 | | 2470 | 1084 |
| 3.927 | | 4335 | 3980 |
| 3.974 | | 15850 | 11486 |
| 3.998 | | 5981 | 3939 |
| 4.029 | | 5982 | 4381 |
| 4.063 | | 22885 | 20334 |
| 4.102 | | 4880 | 3902 |
| 4.166 | | 7926 | 9753 |
| 4.221 | | 8229 | 5678 |
| 4.24 | | 10859 | 6444 |
| 4.263 | | 18784 | 16852 |
| 4.336 | | 803 | 1269 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.367 | | 8988 | 6968 |
| 4.387 | | 3617 | 2326 |
| 4.412 | | 1710 | 1214 |
| 4.471 | | 691 | 588 |
| 4.511 | | 2835 | 2693 |
| 4.565 | | 4411 | 4160 |
| 4.608 | | 1504 | 1454 |
| 4.685 | | 401 | 523 |
| 4.708 | | 2374 | 2588 |
| 4.752 | | 1084 | 1075 |
| 4.791 | | 681 | 568 |
| 4.836 | | 3258 | 2941 |
| 4.872 | | 9901 | 9001 |
| 4.968 | | 6370 | 11449 |
| 5.033 | | 3323 | 3295 |
| 5.083 | | 441 | 169 |
| 5.113 | | 16671 | 16427 |
| 5.151 | | 1787 | 1779 |
| 5.195 | | 1044 | 817 |
| 5.222 | | 1464 | 1231 |
| 5.245 | | 440 | 119 |
| 5.264 | | 742 | 751 |
| 5.322 | | 5875 | 7156 |
| 5.359 | | 722 | 463 |
| 5.382 | | 1465 | 1110 |
| 5.401 | | 724 | 459 |
| 5.439 | | 1106 | 903 |
| 5.471 | | 1978 | 2339 |
| 5.517 | | 15523 | 16333 |
| 5.559 | | 619 | 512 |
| 5.588 | | 484 | 169 |
| 5.642 | | 36634 | 42345 |
| 5.721 | | 1074 | 1157 |
| 5.822 | | 6427 | 7010 |
| 5.877 | | 3647 | 5690 |
| 5.957 | | 4273 | 6085 |
| 6.013 | | 61997 | 62574 |
| 6.076 | | 61080 | 74463 |
| 6.154 | | 335 | 570 |
| 6.195 | | 610 | 435 |
| 6.243 | | 5347 | 6638 |
| 6.29 | | 1145 | 1222 |
| 6.308 | | 487 | 111 |
| 6.332 | | 611 | 439 |
| 6.381 | | 1406 | 1575 |
| 6.398 | | 536 | 249 |
| 6.421 | | 1035 | 747 |
| 6.45 | | 53783 | 55899 |
| 6.51 | | 4191 | 6017 |
| 6.597 | DCB | 4495204 | 4533661 |
| 6.666 | | 639 | 292 |
| 6.689 | | 605 | 369 |
| 6.708 | | 394 | 142 |
| 6.725 | | 874 | 434 |
| 6.785 | | 692 | 2926 |
| 6.805 | | 495 | 210 |
| 6.821 | | 1067 | 518 |
| 6.832 | | 869 | 296 |
| 6.848 | | 678 | 284 |
| 6.878 | | 4467 | 10485 |
| 6.953 | | 868 | 414 |
| 6.996 | | 647 | 503 |

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

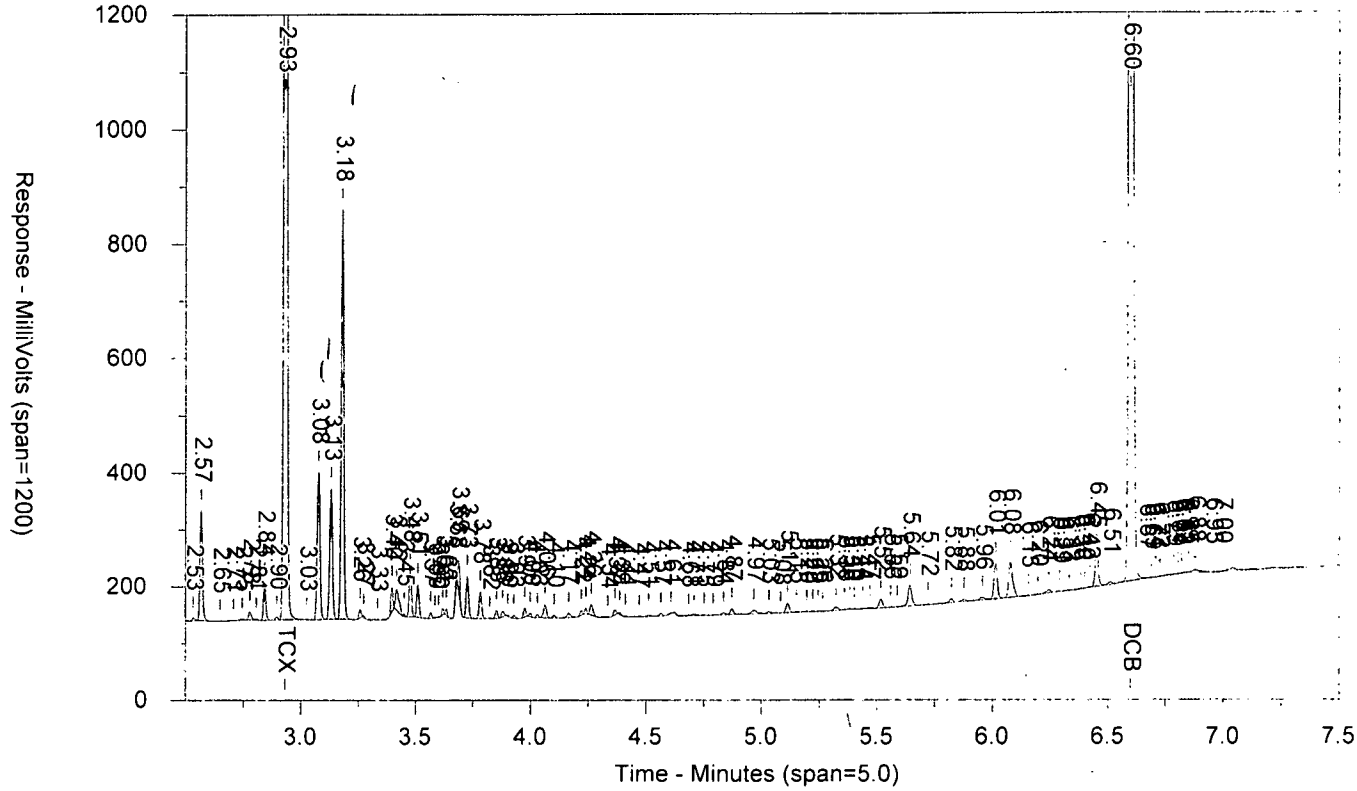
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 19431 | 13736 |
| 2.158 | | 7022 | 8794 |
| 2.204 | | 6967 | 11248 |
| 2.235 | | 4123 | 4549 |
| 2.3 | | 324027 | 219933 |
| 2.355 | | 2318 | 2167 |
| 2.411 | | 8983 | 12905 |
| 2.525 | | 3770 | 4196 |
| 2.548 | | 20269 | 12665 |
| 2.571 | | 108146 | 66180 |
| 2.615 | TCX | 10574720 | 6164727 |
| 2.657 | | 128340 | 111642 |
| 2.786 | | 533632 | 353277 |
| 2.832 | | 81364 | 36694 |
| 2.846 | | 329067 | 177250 |
| 2.898 | | 1297709 | 802752 |
| 2.948 | | 25914 | 14237 |
| 3.009 | | 14068 | 9097 |
| 3.069 | | 982 | 288 |
| 3.085 | | 4634 | 2081 |
| 3.105 | | 65381 | 31332 |
| 3.116 | | 18683 | 6042 |
| 3.125 | | 24751 | 8284 |
| 3.147 | | 49451 | 36394 |
| 3.178 | | 12976 | 8853 |
| 3.203 | | 162818 | 97307 |
| 3.227 | | 110289 | 69327 |
| 3.252 | | 639 | 80 |
| 3.264 | | 9084 | 5391 |
| 3.291 | | 23108 | 12125 |
| 3.31 | | 30746 | 15517 |
| 3.325 | | 32864 | 16498 |
| 3.35 | | 3315 | 2081 |
| 3.375 | | 44494 | 23054 |
| 3.384 | | 107941 | 48566 |
| 3.419 | | 118351 | 92602 |
| 3.451 | | 1086 | 329 |
| 3.492 | | 102387 | 64412 |
| 3.527 | | 33307 | 21235 |
| 3.551 | | 36716 | 20216 |
| 3.568 | | 11025 | 4929 |
| 3.594 | | 1928 | 2632 |
| 3.63 | | 1574 | 1147 |
| 3.654 | | 41470 | 26858 |
| 3.676 | | 17480 | 9367 |
| 3.697 | | 14395 | 8268 |
| 3.726 | | 9217 | 4162 |
| 3.744 | | 47728 | 29393 |
| 3.784 | | 13089 | 9533 |
| 3.805 | | 1098 | 283 |
| 3.832 | | 2795 | 2415 |
| 3.853 | | 21595 | 13749 |
| 3.876 | | 40449 | 25454 |
| 3.9 | | 32858 | 20516 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.941 | | 17606 | 14977 |
| 3.973 | | 7395 | 4859 |
| 4.009 | | 19943 | 13886 |
| 4.036 | | 11551 | 6716 |
| 4.076 | | 9920 | 9404 |
| 4.116 | | 5491 | 4039 |
| 4.15 | | 6290 | 5921 |
| 4.176 | | 6611 | 5130 |
| 4.207 | | 3606 | 2195 |
| 4.235 | | 12688 | 11397 |
| 4.327 | | 6846 | 7860 |
| 4.366 | | 1921 | 1699 |
| 4.395 | | 5893 | 3698 |
| 4.437 | | 23963 | 27800 |
| 4.496 | | 1292 | 1068 |
| 4.564 | | 4015 | 5156 |
| 4.614 | | 7634 | 5931 |
| 4.643 | | 1046 | 562 |
| 4.663 | | 36156 | 29620 |
| 4.708 | | 1453 | 2471 |
| 4.724 | | 1652 | 905 |
| 4.737 | | 1715 | 900 |
| 4.797 | | 1009 | 611 |
| 4.834 | | 1992 | 1924 |
| 4.909 | | 6248 | 6088 |
| 4.937 | | 1757 | 1015 |
| 4.971 | | 2818 | 2212 |
| 5.056 | | 28681 | 33980 |
| 5.104 | | 3489 | 2665 |
| 5.136 | | 1317 | 635 |
| 5.176 | | 62381 | 54384 |
| 5.227 | | 888 | 408 |
| 5.318 | | 9886 | 14467 |
| 5.367 | | 12641 | 12195 |
| 5.423 | | 892 | 416 |
| 5.469 | | 846 | 700 |
| 5.518 | | 138273 | 120828 |
| 5.586 | | 134979 | 120692 |
| 5.636 | | 30925 | 27154 |
| 5.688 | | 1414 | 1708 |
| 5.74 | | 5093 | 6323 |
| 5.862 | | 743 | 6104 |
| 5.893 | | 2892 | 3283 |
| 5.939 | | 154521 | 126285 |
| 5.971 | | 3586 | 2586 |
| 6.003 | | 3343 | 4365 |
| 6.058 | | 2360 | 1481 |
| 6.097 | DCB | 14294640 | 12013650 |
| 6.216 | | 5423 | 10963 |
| 6.291 | | 2125 | 1634 |
| 6.336 | | 1326 | 489 |
| 6.362 | | 1051 | 558 |
| 6.379 | | 1092 | 433 |
| 6.401 | | 1708 | 1254 |
| 6.434 | | 2317 | 2552 |
| 6.5 | | 2950 | 5612 |
| 6.546 | | 15951 | 13465 |
| 6.583 | | 1236 | 273 |
| 6.603 | | 794 | 670 |
| 6.632 | | 699 | 398 |
| 6.68 | | 664 | 2376 |
| 6.692 | | 1507 | 640 |
| 6.717 | | 3863 | 3650 |
| 6.776 | | 923 | 1911 |
| 6.798 | | 948 | 704 |
| 6.815 | | 874 | 366 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.836 | | 1335 | 833 |
| 6.875 | | 2468 | 7540 |
| 6.974 | | 1009 | 1226 |

AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.027.RAW

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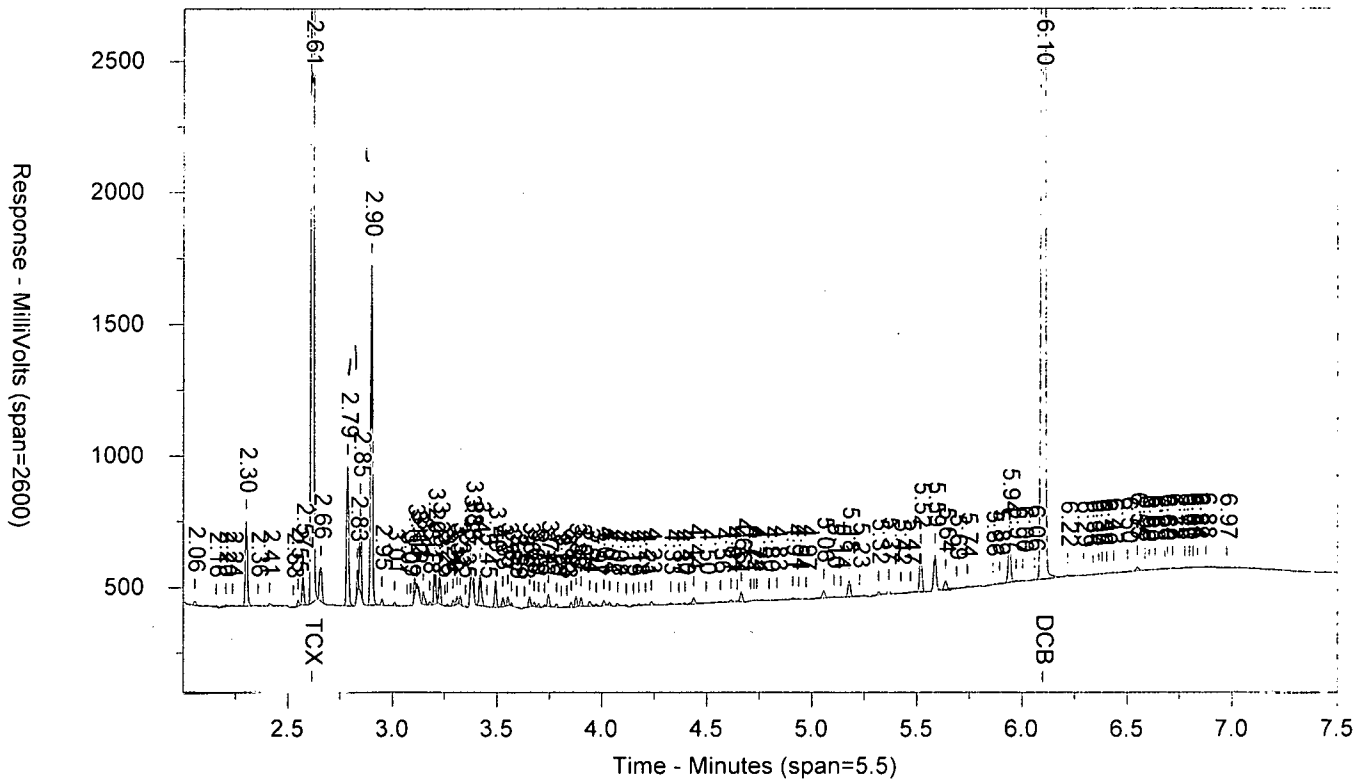


LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

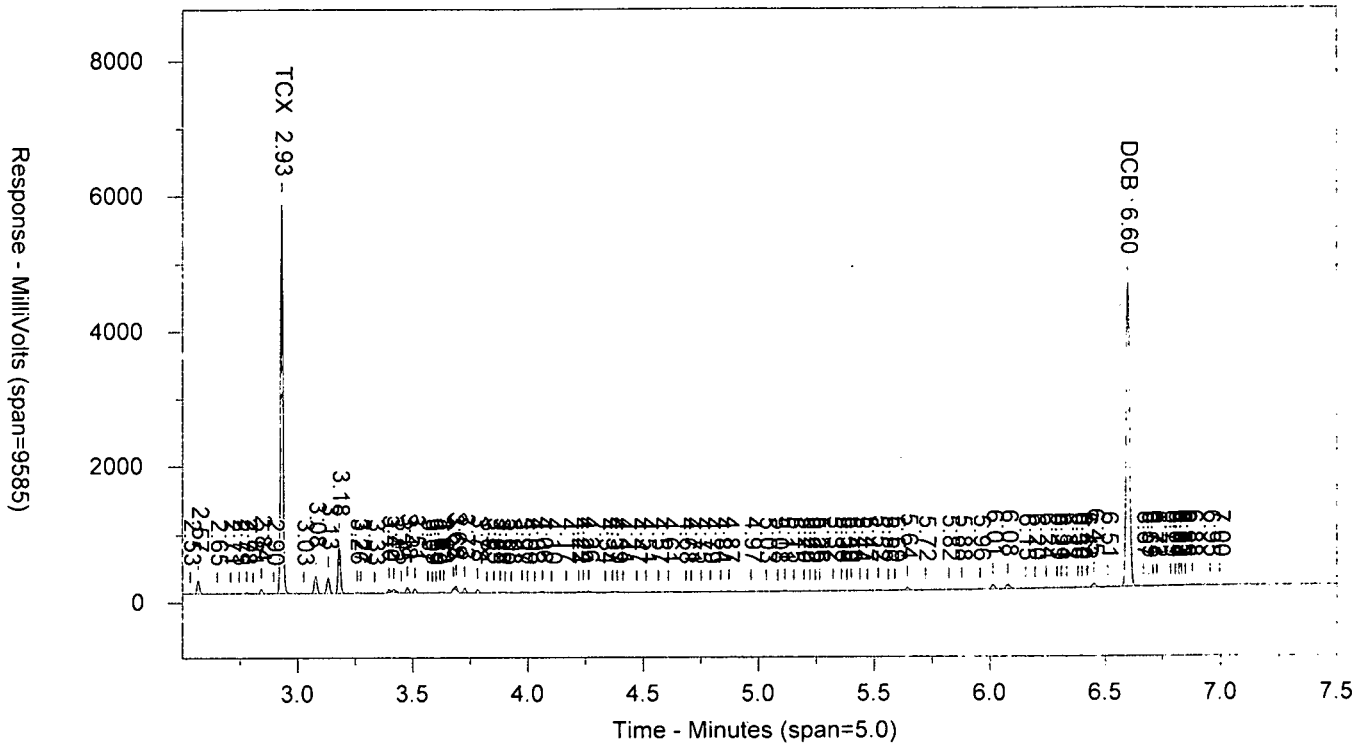
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 5763076 | 39.289 | TCX | 2.615 | 10574720 | 39.746 | TCX |
| 6.597 | 4495204 | 39.344 | DCB | 6.097 | 14294640 | 38.61 | DCB |

Files:
Area File: 25PCBs17289001.027.RAW
Area File: 25PCBs17289001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:45:48 PM
File Reported On: 10/16/2017 at 11:46:00 PM

AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.027.RAW

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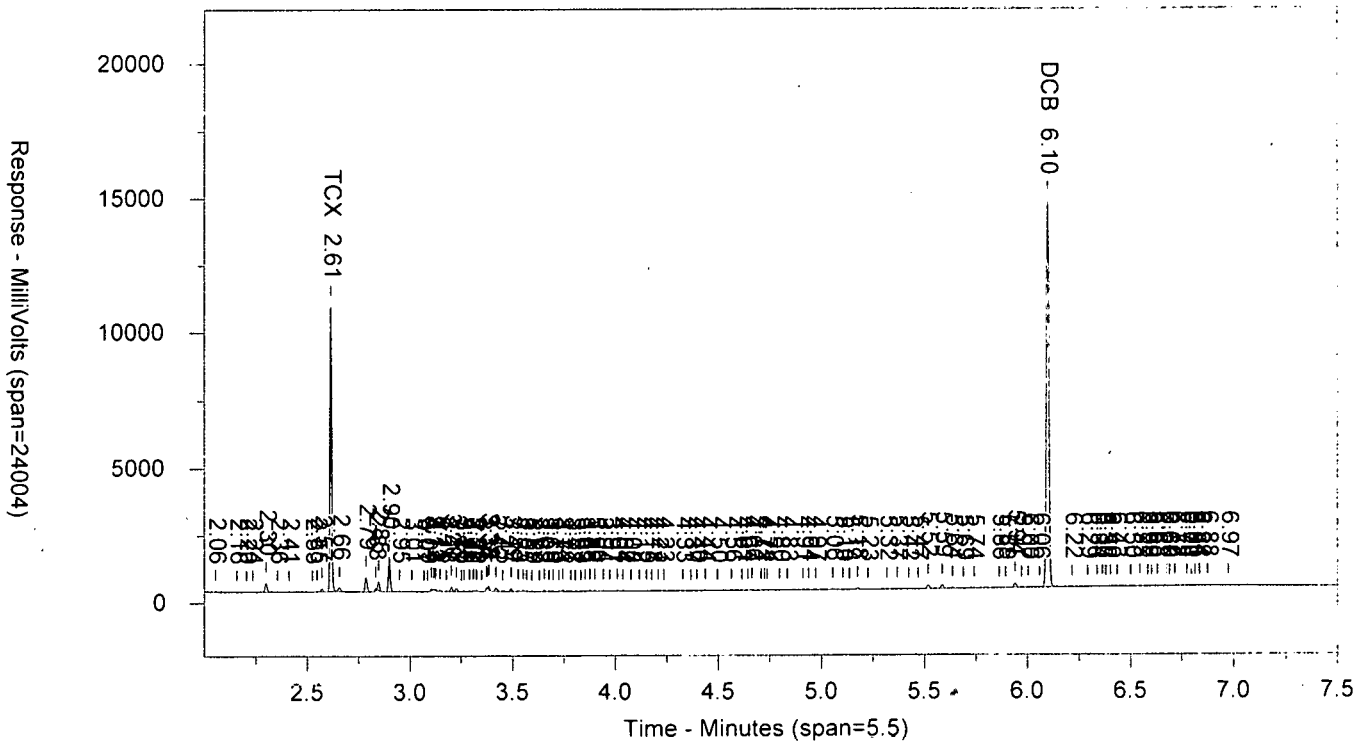
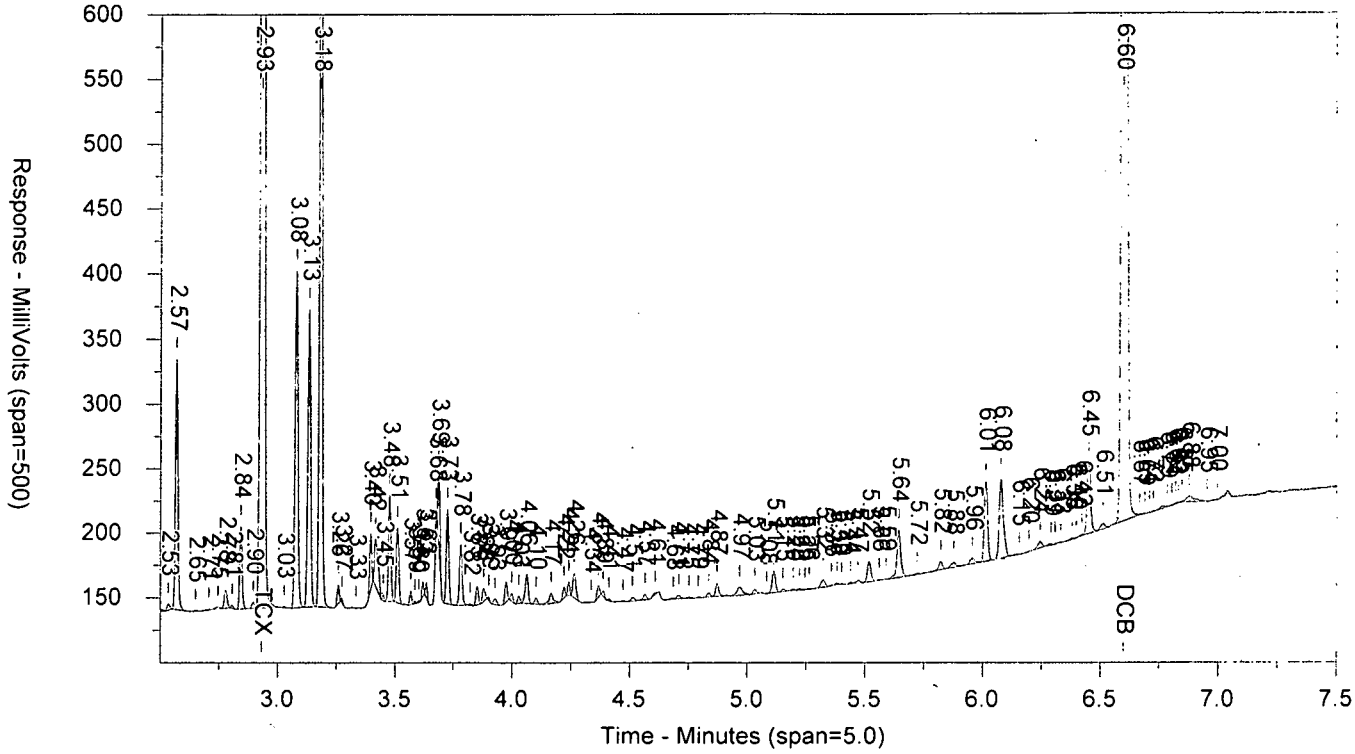


AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.027.RAW

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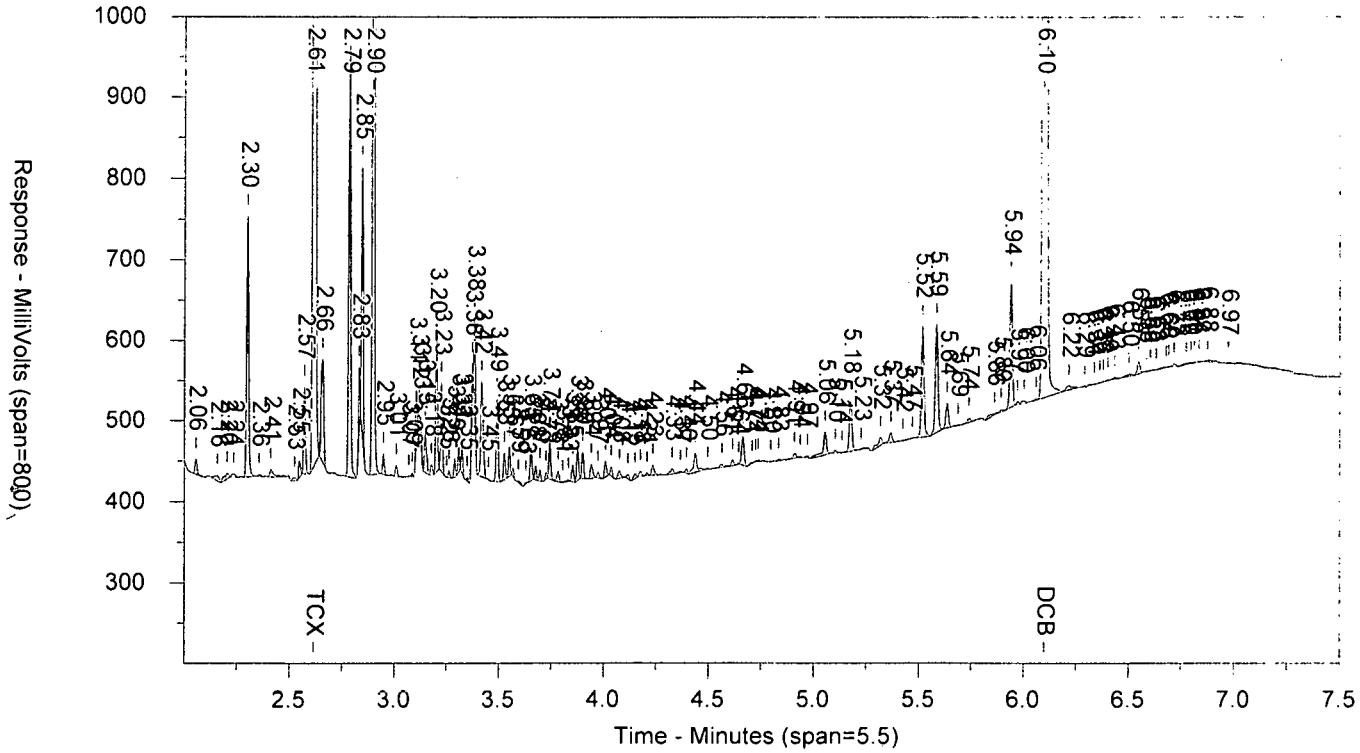


LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 8178 | 8275 |
| 2.085 | | 9158 | 20210 |
| 2.231 | | 25764 | 20585 |
| 2.331 | | 22311 | 21057 |
| 2.366 | | 1830 | 2942 |
| 2.49 | | 6000 | 7413 |
| 2.534 | | 5013 | 4122 |
| 2.568 | | 116205 | 85806 |
| 2.651 | | 640 | 597 |
| 2.708 | | 761 | 390 |
| 2.744 | | 1409 | 1800 |
| 2.777 | | 10254 | 8090 |
| 2.805 | | 1495 | 847 |
| 2.842 | | 35285 | 24837 |
| 2.895 | | 4044 | 3165 |
| 2.931 | TCX | 5844582 | 4005899 |
| 3.028 | | 1231 | 908 |
| 3.078 | | 166747 | 146582 |
| 3.132 | | 177013 | 153263 |
| 3.18 | | 568088 | 415068 |
| 3.257 | | 10700 | 5804 |
| 3.273 | | 21769 | 13222 |
| 3.317 | | 920 | 994 |
| 3.395 | | 214642 | 130064 |
| 3.412 | | 95537 | 53809 |
| 3.449 | | 24620 | 13749 |
| 3.476 | | 60225 | 41375 |
| 3.509 | | 266721 | 216230 |
| 3.566 | | 9853 | 5746 |
| 3.585 | | 8016 | 4387 |
| 3.602 | | 537 | 209 |
| 3.619 | | 61598 | 33857 |
| 3.633 | | 33182 | 16704 |
| 3.677 | | 103574 | 59031 |
| 3.687 | | 276403 | 145687 |
| 3.724 | | 338885 | 258434 |
| 3.782 | | 287981 | 218437 |
| 3.822 | | 19002 | 13891 |
| 3.851 | | 161479 | 119631 |
| 3.878 | | 120572 | 98864 |
| 3.899 | | 35398 | 18278 |
| 3.925 | | 2195 | 1695 |
| 3.973 | | 189462 | 140392 |
| 3.997 | | 71442 | 45172 |
| 4.029 | | 77162 | 54072 |
| 4.061 | | 221483 | 210390 |
| 4.102 | | 67593 | 53819 |
| 4.148 | | 9601 | 6685 |
| 4.165 | | 2625 | 1273 |
| 4.188 | | 15443 | 10950 |
| 4.22 | | 119268 | 82163 |
| 4.239 | | 156449 | 101095 |
| 4.263 | | 212075 | 164929 |
| 4.319 | | 5479 | 3149 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.333 | | 5204 | 2586 |
| 4.366 | | 123436 | 94292 |
| 4.386 | | 72861 | 47183 |
| 4.409 | | 20797 | 13314 |
| 4.448 | | 3383 | 2452 |
| 4.473 | | 6389 | 5325 |
| 4.514 | | 29794 | 28082 |
| 4.564 | | 48090 | 41008 |
| 4.595 | | 23793 | 17806 |
| 4.625 | | 73320 | 61474 |
| 4.672 | | 3434 | 2850 |
| 4.706 | | 37259 | 36389 |
| 4.75 | | 9185 | 10398 |
| 4.797 | | 6934 | 6413 |
| 4.836 | | 51719 | 47250 |
| 4.871 | | 8465 | 6899 |
| 4.915 | | 3398 | 3787 |
| 4.948 | | 3084 | 2164 |
| 4.963 | | 3189 | 2119 |
| 5.032 | | 52368 | 52386 |
| 5.081 | | 1267 | 885 |
| 5.112 | | 17277 | 17146 |
| 5.153 | | 14195 | 12535 |
| 5.192 | | 1077 | 701 |
| 5.219 | | 3654 | 3166 |
| 5.261 | | 3971 | 3953 |
| 5.291 | | 355 | 168 |
| 5.322 | | 5080 | 6147 |
| 5.359 | | 2851 | 2302 |
| 5.381 | | 4423 | 3474 |
| 5.436 | | 2868 | 2580 |
| 5.475 | | 2319 | 2638 |
| 5.517 | | 16086 | 15660 |
| 5.56 | | 2242 | 2350 |
| 5.584 | | 360 | 196 |
| 5.616 | | 7513 | 6100 |
| 5.641 | | 32291 | 30564 |
| 5.703 | | 400 | 219 |
| 5.721 | | 516 | 349 |
| 5.761 | | 399 | 483 |
| 5.822 | | 8332 | 8629 |
| 5.878 | | 2504 | 4346 |
| 5.92 | | 785 | 618 |
| 5.954 | | 3821 | 4681 |
| 6.012 | | 61441 | 60568 |
| 6.077 | | 62601 | 75065 |
| 6.141 | | 508 | 250 |
| 6.168 | | 299 | 162 |
| 6.199 | | 945 | 1169 |
| 6.245 | | 6138 | 8016 |
| 6.301 | | 324 | 845 |
| 6.338 | | 665 | 492 |
| 6.397 | | 467 | 2093 |
| 6.421 | | 1119 | 1040 |
| 6.449 | | 47047 | 48420 |
| 6.509 | | 3728 | 5334 |
| 6.598 | DCB | 4524525 | 4554924 |
| 6.691 | | 364 | 316 |
| 6.764 | | 1791 | 2831 |
| 6.785 | | 639 | 102 |
| 6.824 | | 814 | 855 |
| 6.88 | | 2586 | 4082 |
| 6.946 | | 621 | 318 |
| 6.974 | | 780 | 310 |

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

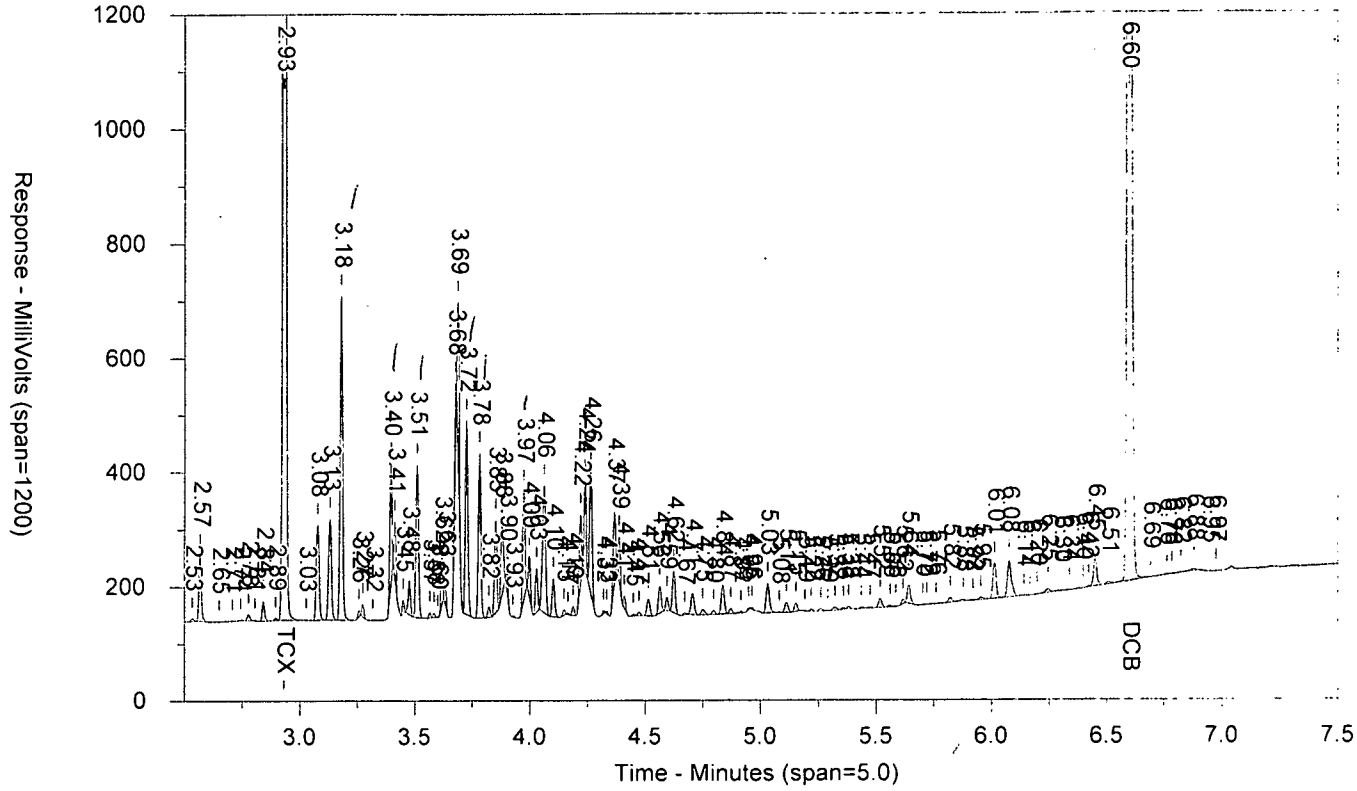
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 18559 | 12827 |
| 2.158 | | 7523 | 16663 |
| 2.186 | | 3720 | 2614 |
| 2.204 | | 4432 | 3048 |
| 2.229 | | 4356 | 4803 |
| 2.3 | | 201238 | 133453 |
| 2.412 | | 9697 | 11313 |
| 2.468 | | 1827 | 1425 |
| 2.493 | | 6564 | 9893 |
| 2.534 | | 3367 | 2970 |
| 2.548 | | 15423 | 9203 |
| 2.571 | | 61805 | 36171 |
| 2.615 | TCX | 10542950 | 6115619 |
| 2.658 | | 104164 | 81705 |
| 2.786 | | 347354 | 236745 |
| 2.832 | | 90394 | 42054 |
| 2.846 | | 232143 | 121641 |
| 2.898 | | 1019209 | 629574 |
| 2.948 | | 25396 | 16081 |
| 3.009 | | 56160 | 34713 |
| 3.068 | | 991 | 146 |
| 3.086 | | 1957 | 786 |
| 3.105 | | 325953 | 162067 |
| 3.116 | | 114560 | 41384 |
| 3.156 | | 65685 | 51205 |
| 3.178 | | 32839 | 21630 |
| 3.202 | | 124874 | 69635 |
| 3.226 | | 510766 | 332117 |
| 3.263 | | 22563 | 13160 |
| 3.29 | | 21095 | 10460 |
| 3.309 | | 140573 | 73636 |
| 3.324 | | 90100 | 44377 |
| 3.351 | | 5865 | 3318 |
| 3.375 | | 313763 | 132442 |
| 3.384 | | 574137 | 242838 |
| 3.404 | | 20643 | 7520 |
| 3.418 | | 554400 | 376371 |
| 3.472 | | 583 | 198 |
| 3.492 | | 564716 | 362270 |
| 3.527 | | 339846 | 214961 |
| 3.55 | | 391110 | 219787 |
| 3.568 | | 136426 | 68740 |
| 3.627 | | 1160 | 577 |
| 3.653 | | 479296 | 310559 |
| 3.676 | | 190730 | 104117 |
| 3.697 | | 172156 | 102673 |
| 3.726 | | 110604 | 55669 |
| 3.743 | | 412842 | 259892 |
| 3.784 | | 155691 | 114708 |
| 3.832 | | 28583 | 18581 |
| 3.853 | | 287297 | 180527 |
| 3.876 | | 530803 | 340268 |
| 3.9 | | 495022 | 308604 |
| 3.919 | | 15097 | 6725 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.94 | | 31070 | 18783 |
| 3.958 | | 9112 | 3623 |
| 3.974 | | 99742 | 62231 |
| 4.009 | | 308900 | 220890 |
| 4.036 | | 221491 | 133521 |
| 4.082 | | 17901 | 18910 |
| 4.118 | | 67756 | 50739 |
| 4.148 | | 9906 | 7244 |
| 4.175 | | 110805 | 81721 |
| 4.207 | | 63939 | 45176 |
| 4.234 | | 160496 | 122525 |
| 4.273 | | 4265 | 4089 |
| 4.327 | | 80464 | 87932 |
| 4.363 | | 16589 | 12078 |
| 4.395 | | 100467 | 72846 |
| 4.42 | | 3974 | 2037 |
| 4.437 | | 16167 | 9836 |
| 4.461 | | 18200 | 12285 |
| 4.487 | | 9304 | 6894 |
| 4.516 | | 3830 | 2656 |
| 4.561 | | 19393 | 19230 |
| 4.591 | | 1910 | 961 |
| 4.612 | | 96694 | 77498 |
| 4.639 | | 1394 | 333 |
| 4.663 | | 31817 | 24769 |
| 4.691 | | 22836 | 19541 |
| 4.722 | | 6282 | 3214 |
| 4.758 | | 5702 | 5496 |
| 4.837 | | 2311 | 2241 |
| 4.86 | | 2946 | 3984 |
| 4.912 | | 11911 | 10469 |
| 4.935 | | 5730 | 3889 |
| 4.968 | | 1260 | 404 |
| 4.983 | | 2153 | 1232 |
| 5.001 | | 1264 | 224 |
| 5.02 | | 2682 | 1984 |
| 5.055 | | 28521 | 22999 |
| 5.084 | | 2317 | 1515 |
| 5.105 | | 18684 | 16085 |
| 5.176 | | 62601 | 53850 |
| 5.245 | | 3277 | 6484 |
| 5.302 | | 2412 | 3531 |
| 5.317 | | 4715 | 3181 |
| 5.362 | | 15710 | 17433 |
| 5.396 | | 914 | 294 |
| 5.429 | | 909 | 296 |
| 5.462 | | 3251 | 3079 |
| 5.491 | | 1271 | 650 |
| 5.518 | | 131913 | 117893 |
| 5.585 | | 130942 | 115801 |
| 5.635 | | 32775 | 27132 |
| 5.668 | | 1138 | 224 |
| 5.714 | | 556 | 932 |
| 5.74 | | 8060 | 7441 |
| 5.797 | | 2329 | 2393 |
| 5.836 | | 1558 | 1287 |
| 5.86 | | 479 | 819 |
| 5.891 | | 2477 | 1917 |
| 5.939 | | 129798 | 108123 |
| 5.97 | | 3979 | 2590 |
| 6.001 | | 2932 | 3588 |
| 6.057 | | 1854 | 1310 |
| 6.097 | DCB | 14017640 | 12006870 |
| 6.214 | | 4465 | 8273 |
| 6.255 | | 730 | 79 |
| 6.283 | | 1222 | 694 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.318 | | 1697 | 1040 |
| 6.369 | | 961 | 1176 |
| 6.396 | | 1331 | 1000 |
| 6.416 | | 1194 | 935 |
| 6.44 | | 1961 | 2164 |
| 6.505 | | 2619 | 4082 |
| 6.546 | | 15963 | 13662 |
| 6.593 | | 1686 | 1125 |
| 6.621 | | 1298 | 754 |
| 6.679 | | 982 | 2426 |
| 6.723 | | 4498 | 5911 |
| 6.79 | | 1075 | 558 |
| 6.833 | | 1050 | 1036 |
| 6.885 | | 1379 | 2108 |
| 6.918 | | 1818 | 1433 |

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.028.RAW

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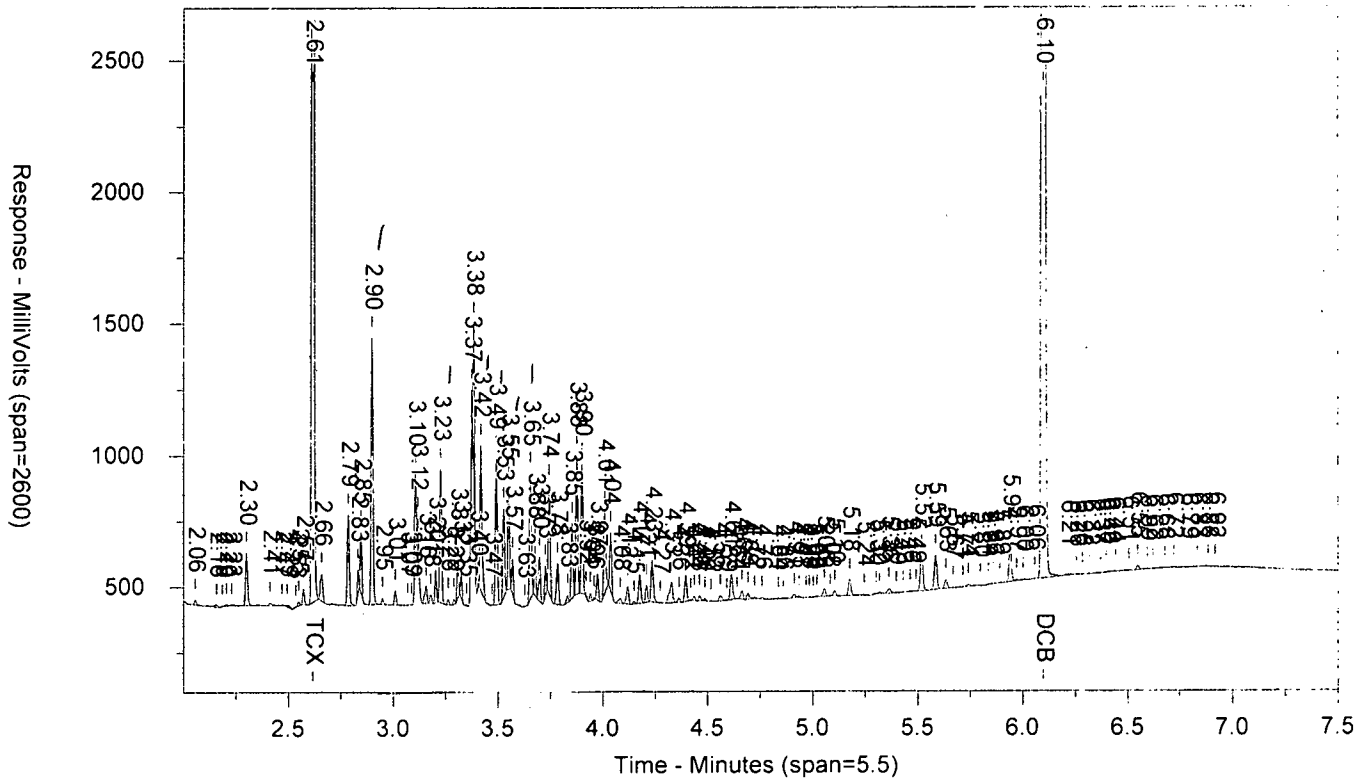

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 5844582 | 39.844 | TCX | 2.615 | 10542950 | 39.626 | TCX |
| 6.598 | 4524525 | 39.6 | DCB | 6.097 | 14017640 | 37.862 | DCB |

Files:
Area File: 25PCBs17289001.028.RAW
Area File: 25PCBs17289001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:57:06 PM
File Reported On: 10/16/2017 at 11:57:16 PM

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

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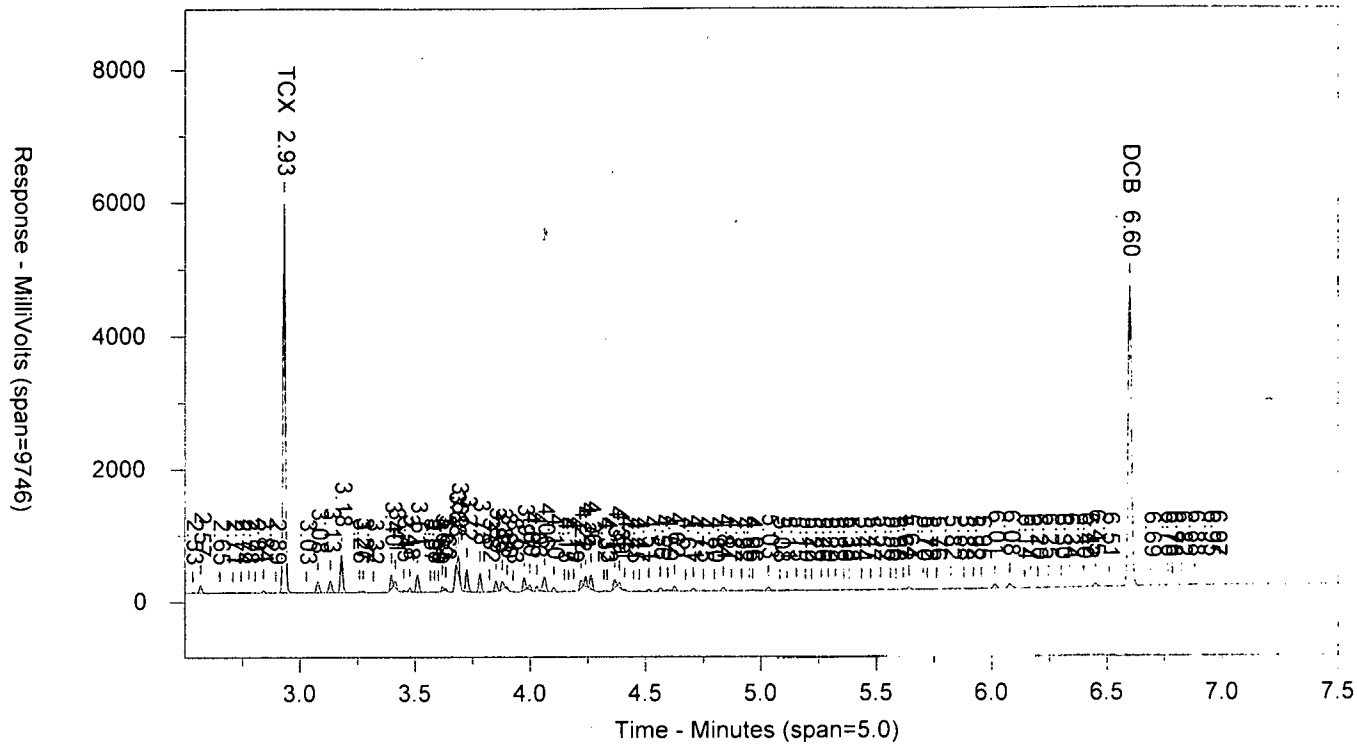


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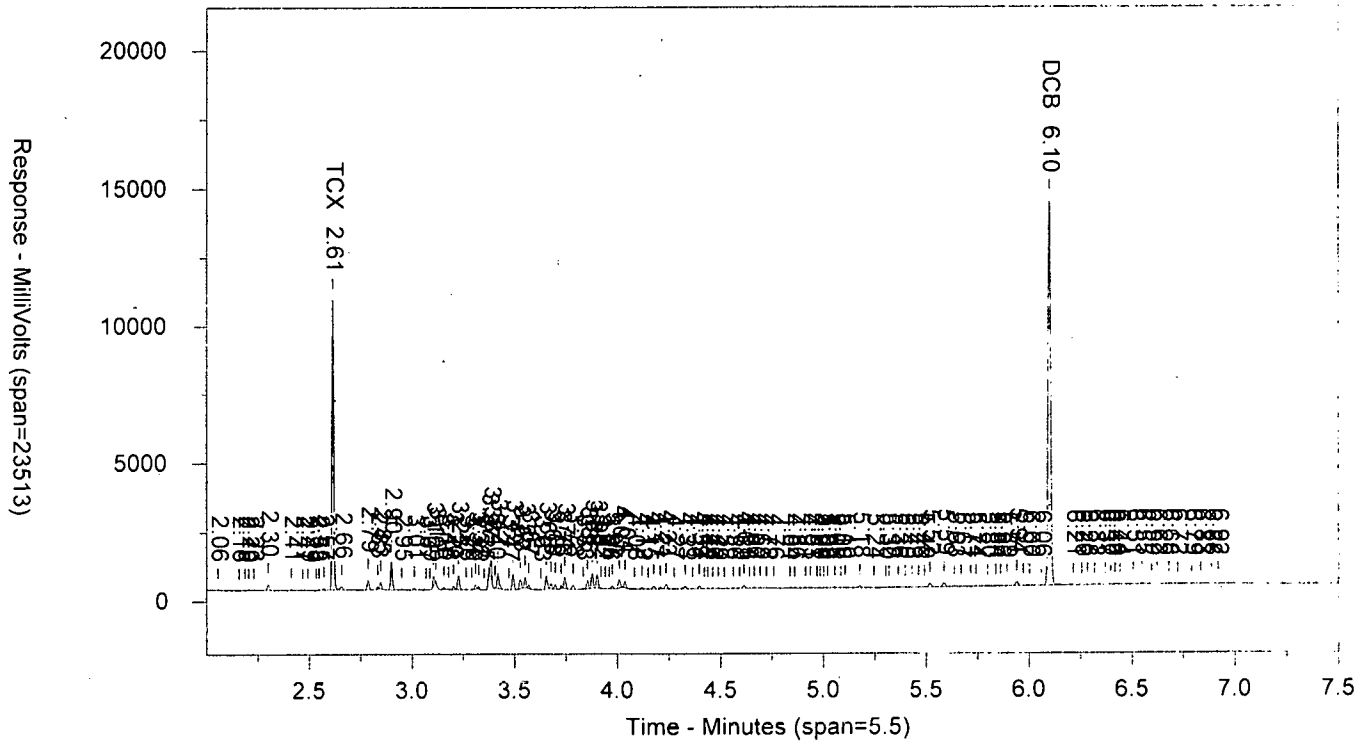

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

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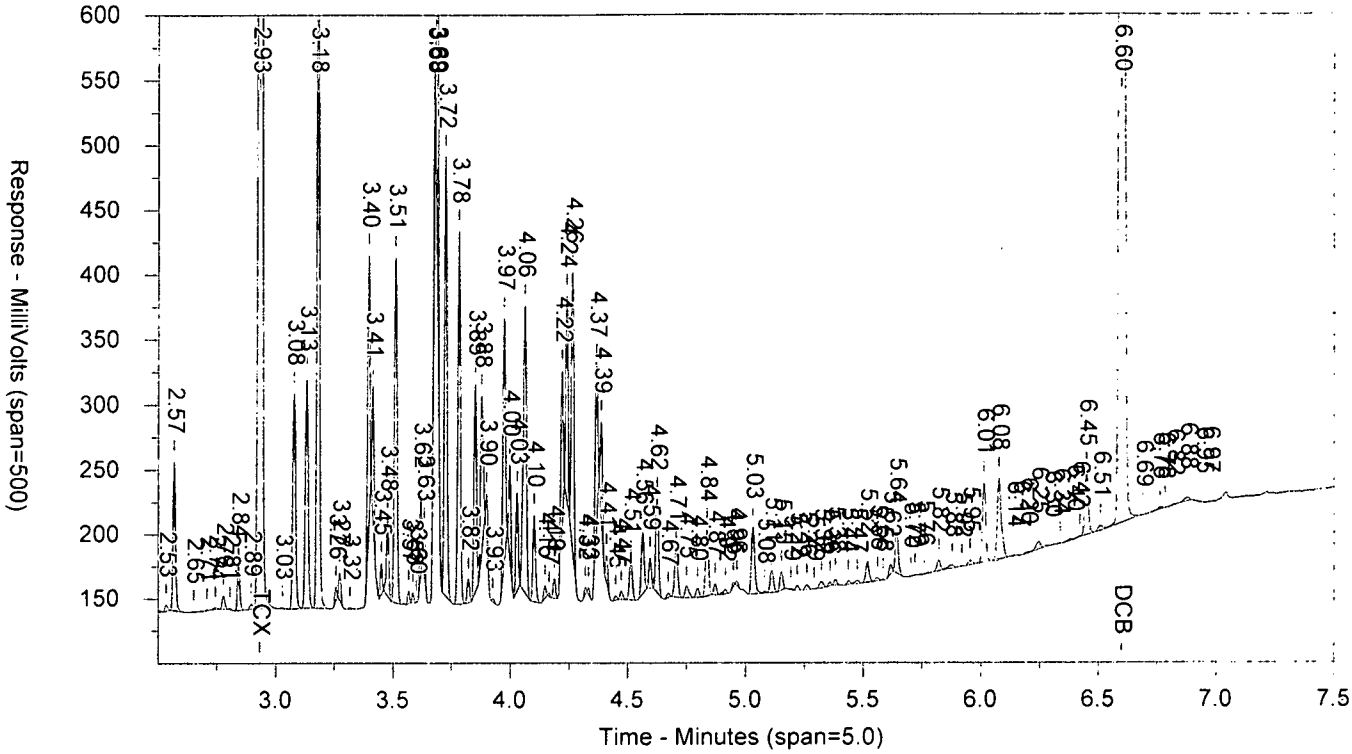


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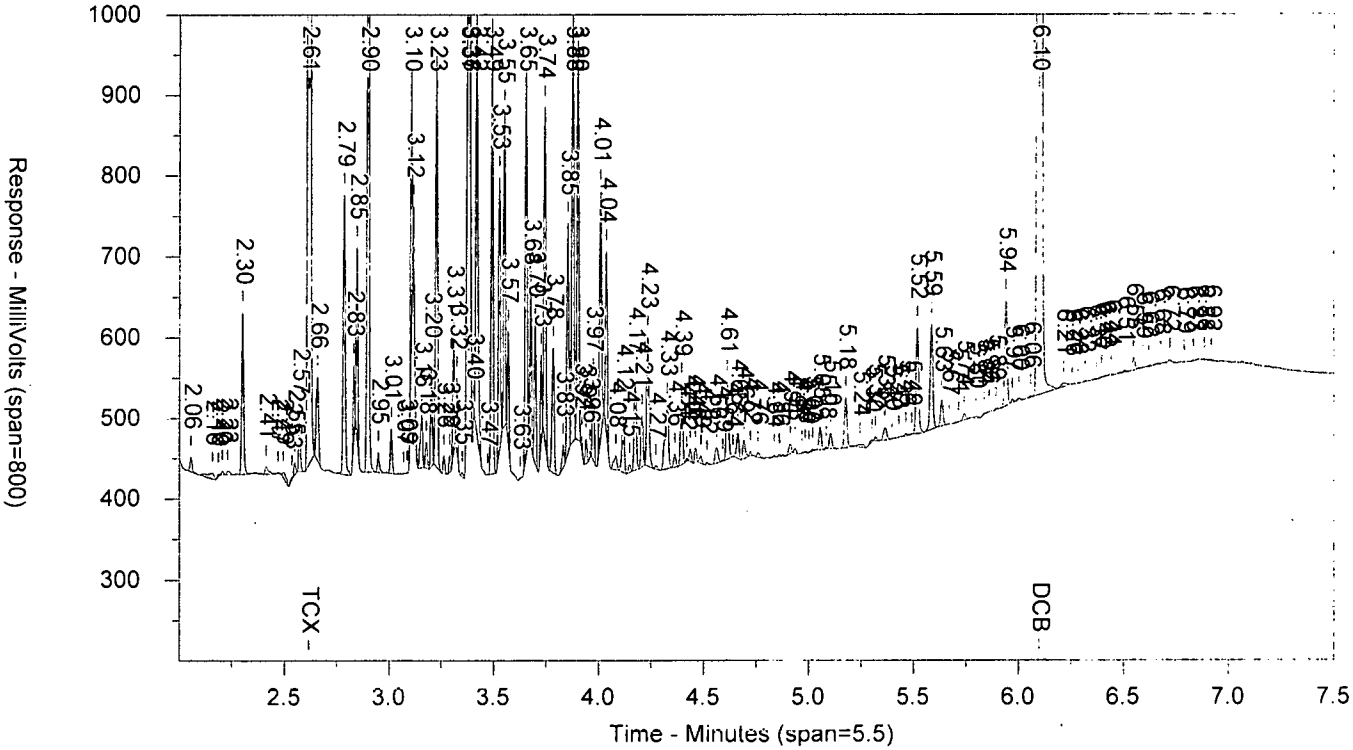


LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 7872 | 8380 |
| 2.082 | | 19957 | 39166 |
| 2.231 | | 25469 | 19697 |
| 2.331 | | 19238 | 18613 |
| 2.366 | | 2168 | 1974 |
| 2.456 | | 298 | 139 |
| 2.49 | | 5819 | 7154 |
| 2.533 | | 4023 | 3519 |
| 2.568 | | 4694 | 3063 |
| 2.589 | | 2715 | 1649 |
| 2.652 | | 667 | 769 |
| 2.716 | | 348 | 343 |
| 2.75 | | 1318 | 1987 |
| 2.778 | | 31523 | 32210 |
| 2.842 | | 1302 | 1387 |
| 2.878 | | 367 | 258 |
| 2.896 | | 3538 | 2920 |
| 2.93 | TCX | 5728758 | 4000414 |
| 3.028 | | 1426 | 1249 |
| 3.051 | | 1391 | 838 |
| 3.076 | | 67682 | 57353 |
| 3.131 | | 110503 | 106498 |
| 3.179 | | 391670 | 283617 |
| 3.257 | | 8933 | 4490 |
| 3.273 | | 41739 | 26490 |
| 3.316 | | 1284 | 1160 |
| 3.395 | | 368055 | 227796 |
| 3.412 | | 173415 | 94077 |
| 3.449 | | 46674 | 25719 |
| 3.464 | | 3853 | 1376 |
| 3.475 | | 24637 | 13290 |
| 3.509 | | 463704 | 366730 |
| 3.545 | | 1973 | 997 |
| 3.565 | | 9376 | 5467 |
| 3.584 | | 14194 | 8257 |
| 3.618 | | 104126 | 58355 |
| 3.633 | | 52272 | 25515 |
| 3.676 | | 196045 | 112765 |
| 3.687 | | 507769 | 252155 |
| 3.724 | | 566784 | 439153 |
| 3.781 | | 488760 | 382120 |
| 3.822 | | 37072 | 26341 |
| 3.85 | | 303215 | 225147 |
| 3.877 | | 220292 | 182923 |
| 3.899 | | 65727 | 33030 |
| 3.973 | | 361898 | 260577 |
| 3.997 | | 126029 | 82137 |
| 4.028 | | 140396 | 102317 |
| 4.061 | | 418999 | 393781 |
| 4.101 | | 125963 | 102750 |
| 4.148 | | 23926 | 21502 |
| 4.187 | | 34857 | 24706 |
| 4.219 | | 239739 | 161512 |
| 4.239 | | 304921 | 193693 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.262 | | 399038 | 303481 |
| 4.318 | | 10839 | 6429 |
| 4.333 | | 12830 | 7697 |
| 4.367 | | 228974 | 179199 |
| 4.386 | | 125366 | 77119 |
| 4.41 | | 58759 | 38445 |
| 4.449 | | 3882 | 2502 |
| 4.472 | | 13496 | 10214 |
| 4.513 | | 73393 | 66507 |
| 4.563 | | 105012 | 91840 |
| 4.594 | | 60714 | 46262 |
| 4.624 | | 167571 | 146490 |
| 4.676 | | 1711 | 1359 |
| 4.706 | | 82938 | 79240 |
| 4.751 | | 13926 | 18017 |
| 4.795 | | 19214 | 17176 |
| 4.836 | | 129381 | 123627 |
| 4.871 | | 8807 | 6617 |
| 4.914 | | 13033 | 15490 |
| 4.947 | | 7940 | 5427 |
| 4.961 | | 5529 | 3861 |
| 5.031 | | 131266 | 131161 |
| 5.08 | | 3815 | 2775 |
| 5.111 | | 18785 | 19386 |
| 5.151 | | 35507 | 31598 |
| 5.173 | | 1698 | 856 |
| 5.192 | | 2550 | 1330 |
| 5.22 | | 2694 | 2465 |
| 5.261 | | 2050 | 2274 |
| 5.297 | | 359 | 189 |
| 5.323 | | 4585 | 5506 |
| 5.357 | | 13218 | 10444 |
| 5.38 | | 4145 | 2986 |
| 5.439 | | 2830 | 2584 |
| 5.477 | | 2376 | 2909 |
| 5.516 | | 15809 | 15702 |
| 5.555 | | 8851 | 7918 |
| 5.58 | | 1479 | 969 |
| 5.616 | | 7368 | 5361 |
| 5.64 | | 33059 | 30291 |
| 5.722 | | 1274 | 1556 |
| 5.77 | | 440 | 570 |
| 5.82 | | 10131 | 10129 |
| 5.874 | | 2434 | 4202 |
| 5.919 | | 983 | 637 |
| 5.958 | | 3139 | 4351 |
| 6.012 | | 62181 | 62797 |
| 6.075 | | 63843 | 78490 |
| 6.141 | | 567 | 794 |
| 6.192 | | 648 | 289 |
| 6.243 | | 6795 | 8780 |
| 6.303 | | 381 | 1598 |
| 6.332 | | 563 | 434 |
| 6.376 | | 1296 | 1739 |
| 6.42 | | 930 | 802 |
| 6.448 | | 47994 | 49424 |
| 6.509 | | 3550 | 4778 |
| 6.595 | DCB | 4573039 | 4538771 |
| 6.684 | | 451 | 236 |
| 6.7 | | 502 | 326 |
| 6.737 | | 674 | 605 |
| 6.769 | | 994 | 1766 |
| 6.786 | | 744 | 339 |
| 6.818 | | 666 | 486 |
| 6.836 | | 489 | 349 |
| 6.875 | | 4555 | 12081 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.972 | | 1010 | 304 |

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

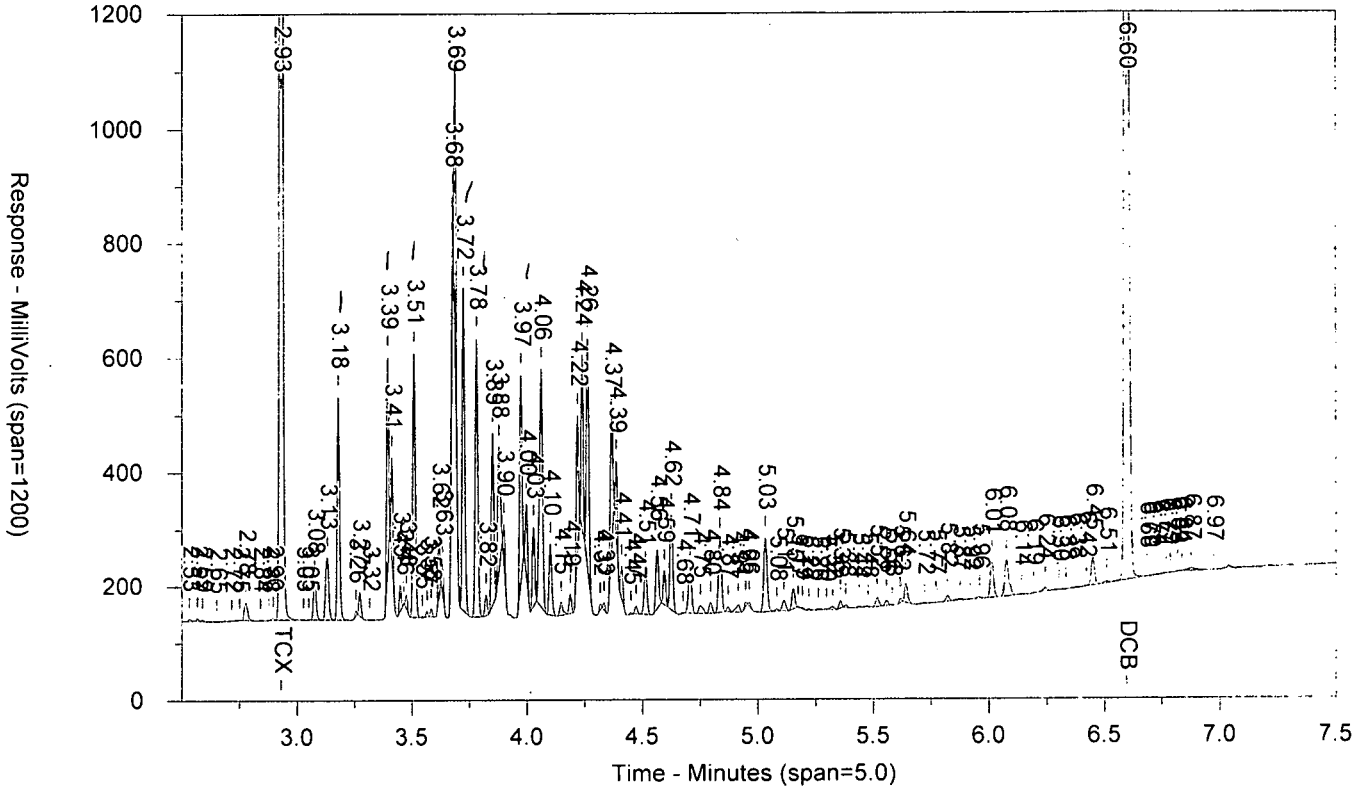
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 19021 | 12989 |
| 2.158 | | 10094 | 8257 |
| 2.189 | | 3045 | 2423 |
| 2.204 | | 2775 | 1698 |
| 2.232 | | 4271 | 4575 |
| 2.3 | | 9959 | 7165 |
| 2.359 | | 2463 | 2921 |
| 2.412 | | 6791 | 8593 |
| 2.471 | | 8501 | 43707 |
| 2.532 | | 8852 | 7762 |
| 2.548 | | 61789 | 61999 |
| 2.615 | TCX | 10484660 | 6116158 |
| 2.658 | | 63667 | 44327 |
| 2.786 | | 143242 | 93686 |
| 2.833 | | 98741 | 47515 |
| 2.846 | | 120268 | 60042 |
| 2.898 | | 686675 | 434779 |
| 2.948 | | 24835 | 14414 |
| 2.989 | | 1699 | 867 |
| 3.009 | | 96631 | 60292 |
| 3.067 | | 474 | 235 |
| 3.074 | | 1029 | 226 |
| 3.089 | | 858 | 229 |
| 3.105 | | 566759 | 282641 |
| 3.116 | | 201385 | 80134 |
| 3.156 | | 112319 | 67794 |
| 3.177 | | 54289 | 33783 |
| 3.203 | | 80266 | 44671 |
| 3.227 | | 853510 | 570898 |
| 3.263 | | 36900 | 20773 |
| 3.291 | | 19792 | 9583 |
| 3.31 | | 233339 | 122026 |
| 3.325 | | 131664 | 65839 |
| 3.35 | | 2713 | 1407 |
| 3.375 | | 492752 | 230266 |
| 3.385 | | 1089177 | 446692 |
| 3.404 | | 39098 | 14092 |
| 3.418 | | 940100 | 630350 |
| 3.492 | | 1037793 | 632331 |
| 3.527 | | 669889 | 413252 |
| 3.55 | | 751800 | 420595 |
| 3.568 | | 254713 | 131008 |
| 3.631 | | 975 | 836 |
| 3.653 | | 919960 | 591391 |
| 3.677 | | 356876 | 191458 |
| 3.697 | | 323196 | 191693 |
| 3.726 | | 212391 | 106404 |
| 3.743 | | 820958 | 489114 |
| 3.784 | | 294266 | 214173 |
| 3.832 | | 57302 | 39798 |
| 3.853 | | 563224 | 352535 |
| 3.876 | | 1076341 | 675760 |
| 3.9 | | 972107 | 586887 |
| 3.918 | | 36053 | 16552 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.939 | | 51033 | 29198 |
| 3.958 | | 13710 | 5669 |
| 3.973 | | 225995 | 145298 |
| 4.008 | | 619882 | 444484 |
| 4.036 | | 403020 | 249689 |
| 4.083 | | 35911 | 28798 |
| 4.117 | | 150220 | 114293 |
| 4.149 | | 5576 | 3715 |
| 4.174 | | 248727 | 189151 |
| 4.207 | | 154705 | 107564 |
| 4.234 | | 361207 | 266901 |
| 4.271 | | 6505 | 5941 |
| 4.326 | | 159368 | 173613 |
| 4.362 | | 42727 | 31094 |
| 4.395 | | 262643 | 192103 |
| 4.417 | | 6134 | 2893 |
| 4.435 | | 16481 | 10134 |
| 4.462 | | 36214 | 22578 |
| 4.486 | | 23987 | 16587 |
| 4.56 | | 36195 | 37807 |
| 4.612 | | 245506 | 191694 |
| 4.64 | | 3514 | 1658 |
| 4.662 | | 21944 | 17486 |
| 4.69 | | 73070 | 63929 |
| 4.737 | | 6446 | 3866 |
| 4.76 | | 3560 | 2640 |
| 4.834 | | 3590 | 3600 |
| 4.859 | | 859 | 495 |
| 4.878 | | 4282 | 3256 |
| 4.911 | | 8647 | 6141 |
| 4.933 | | 26869 | 19798 |
| 4.971 | | 1288 | 809 |
| 4.986 | | 1257 | 830 |
| 5.019 | | 3088 | 2558 |
| 5.054 | | 28153 | 22826 |
| 5.082 | | 13818 | 9240 |
| 5.103 | | 15643 | 11199 |
| 5.176 | | 64087 | 53875 |
| 5.227 | | 1493 | 1110 |
| 5.301 | | 812 | 2392 |
| 5.317 | | 6102 | 4320 |
| 5.338 | | 1369 | 426 |
| 5.363 | | 15548 | 15958 |
| 5.394 | | 1265 | 839 |
| 5.435 | | 1413 | 1265 |
| 5.461 | | 3792 | 3947 |
| 5.517 | | 136063 | 119016 |
| 5.584 | | 137469 | 124558 |
| 5.634 | | 34931 | 29379 |
| 5.687 | | 1573 | 1771 |
| 5.741 | | 10919 | 10448 |
| 5.779 | | 1248 | 1776 |
| 5.796 | | 2349 | 2088 |
| 5.871 | | 1047 | 7407 |
| 5.891 | | 2583 | 2080 |
| 5.938 | | 130600 | 108742 |
| 5.97 | | 3199 | 2123 |
| 6.003 | | 2388 | 2548 |
| 6.032 | | 1171 | 660 |
| 6.061 | | 970 | 1566 |
| 6.096 | DCB | 14237460 | 12065760 |
| 6.218 | | 3448 | 5415 |
| 6.242 | | 819 | 526 |
| 6.27 | | 982 | 372 |
| 6.33 | | 1034 | 1743 |
| 6.379 | | 1680 | 1341 |

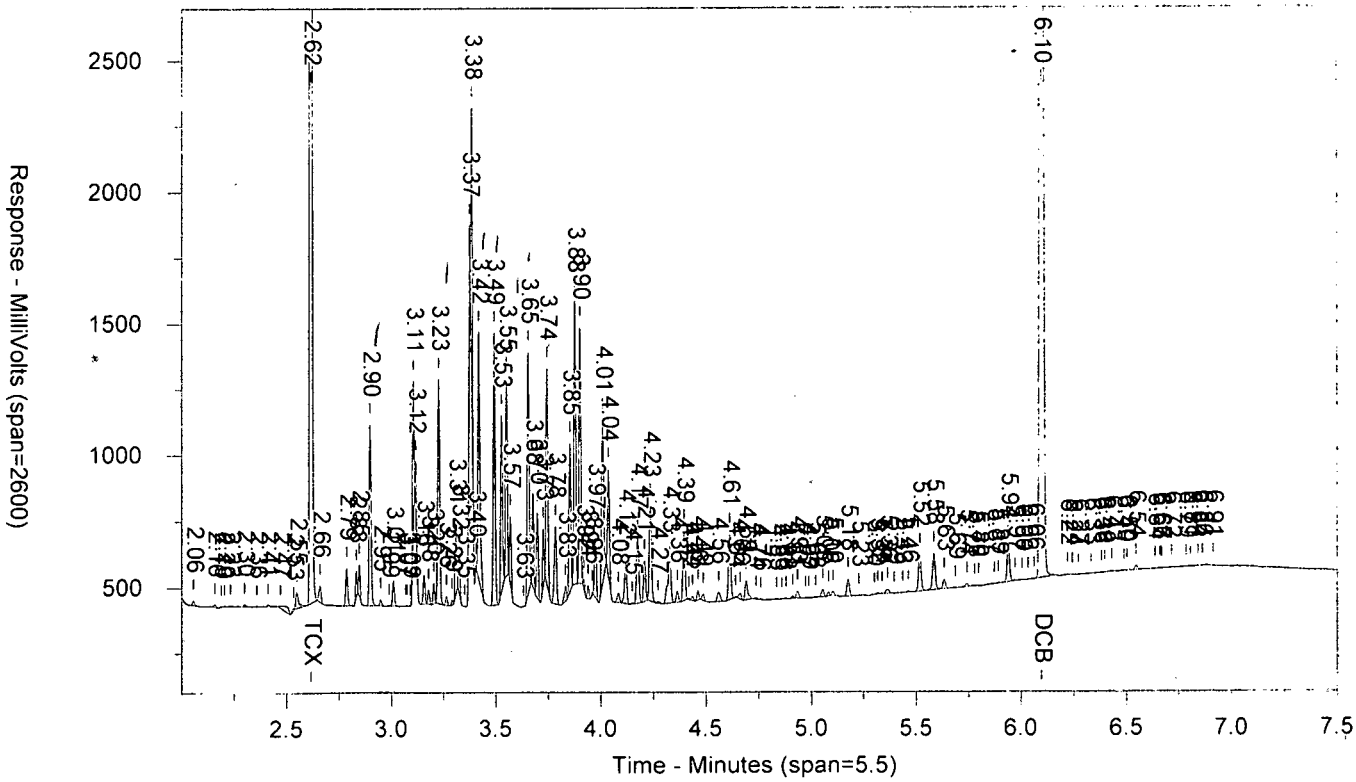
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.396 | | 1757 | 1421 |
| 6.429 | | 3615 | 3166 |
| 6.487 | | 287 | 651 |
| 6.501 | | 1504 | 905 |
| 6.544 | | 16246 | 17893 |
| 6.636 | | 1250 | 709 |
| 6.66 | | 1073 | 621 |
| 6.667 | | 1125 | 423 |
| 6.717 | | 3646 | 5394 |
| 6.786 | | 1155 | 3145 |
| 6.807 | | 1019 | 827 |
| 6.842 | | 1182 | 1093 |
| 6.862 | | 1269 | 535 |
| 6.912 | | 2217 | 1167 |

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.029.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.029.RAW



LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

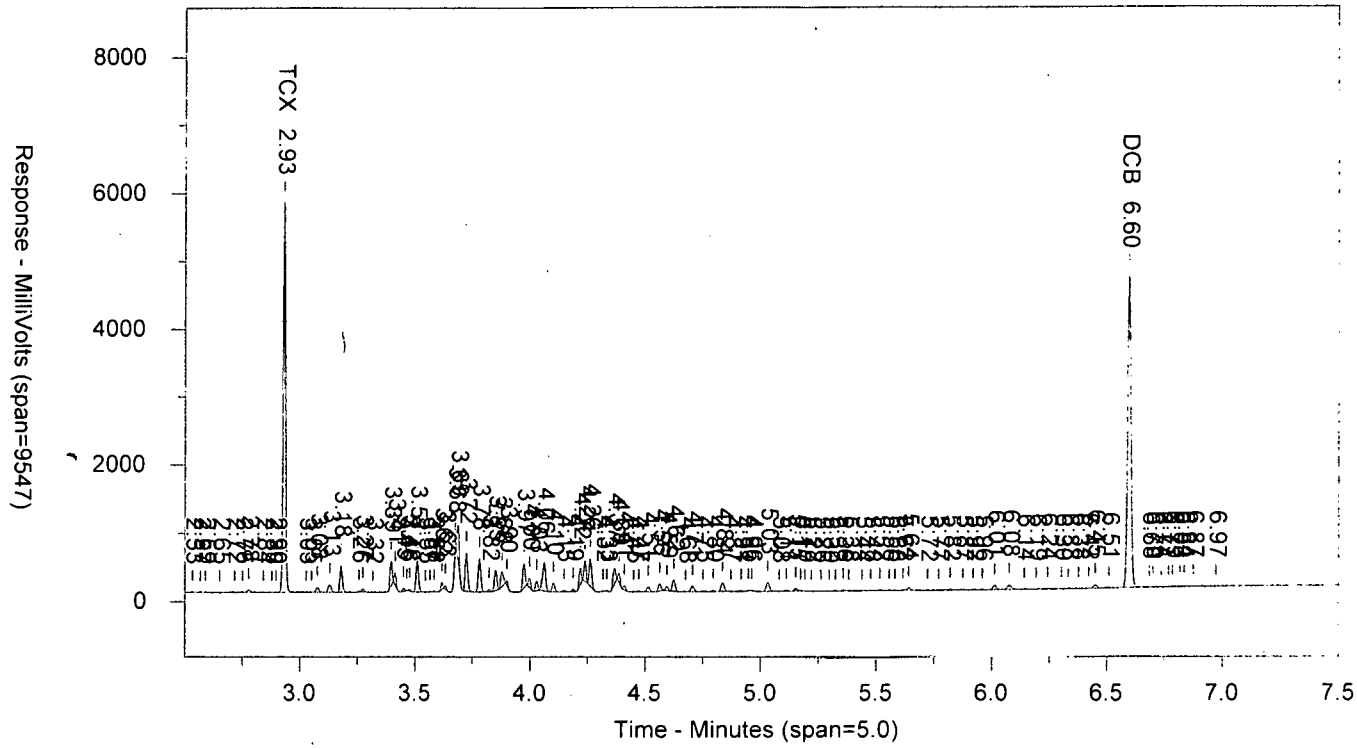
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 5728758 | 39.055 | TCX | 2.615 | 10484660 | 39.407 | TCX |
| 6.595 | 4573039 | 40.025 | DCB | 6.096 | 14237460 | 38.456 | DCB |

Files:
Area File: 25PCBs17289001.029.RAW
Area File: 25PCBs17289001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:08:15 AM
File Reported On: 10/17/2017 at 12:08:24 AM

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.029.RAW

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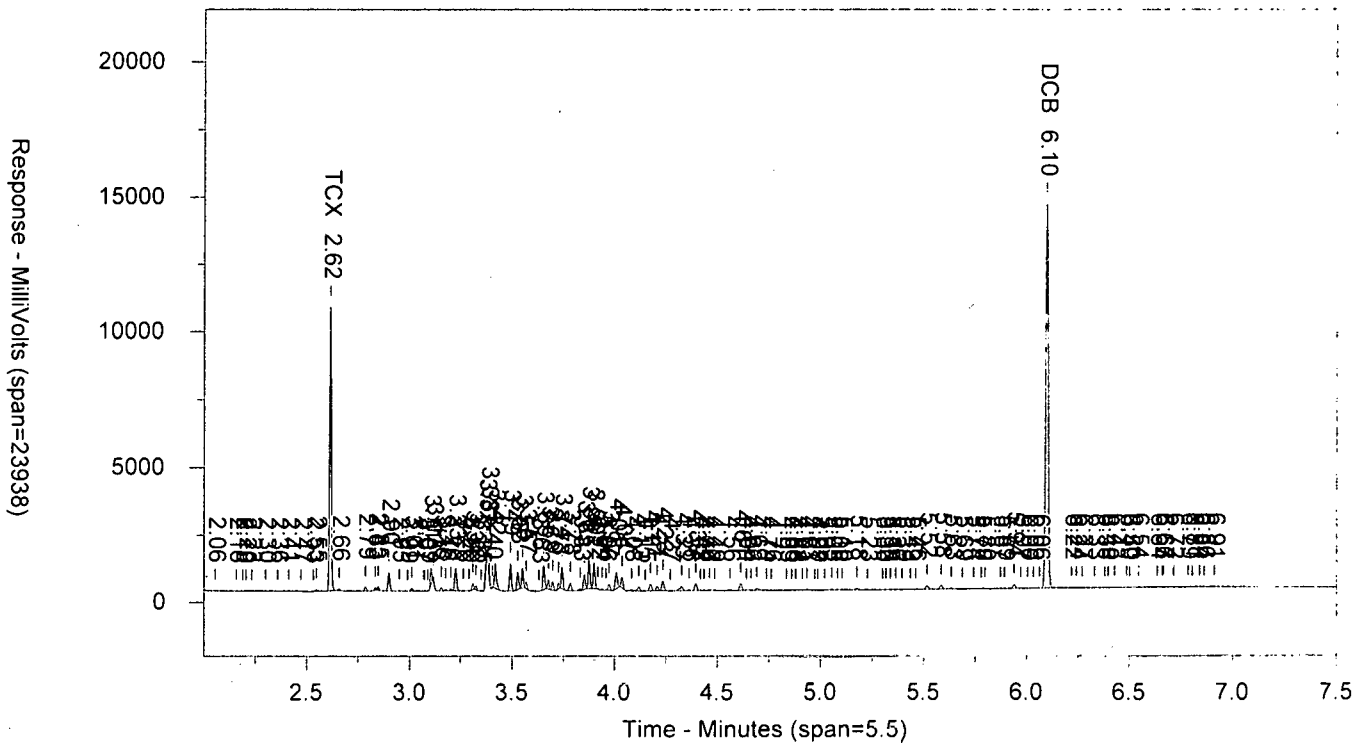

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

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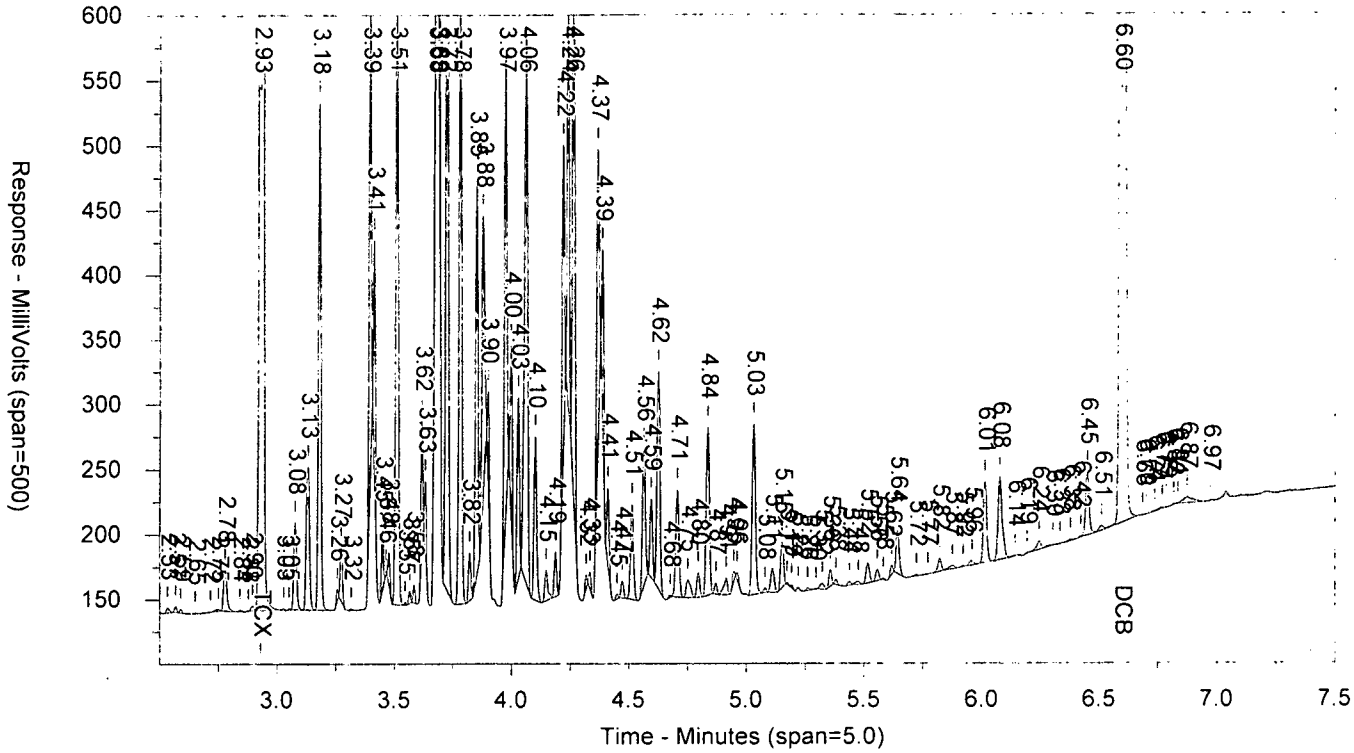


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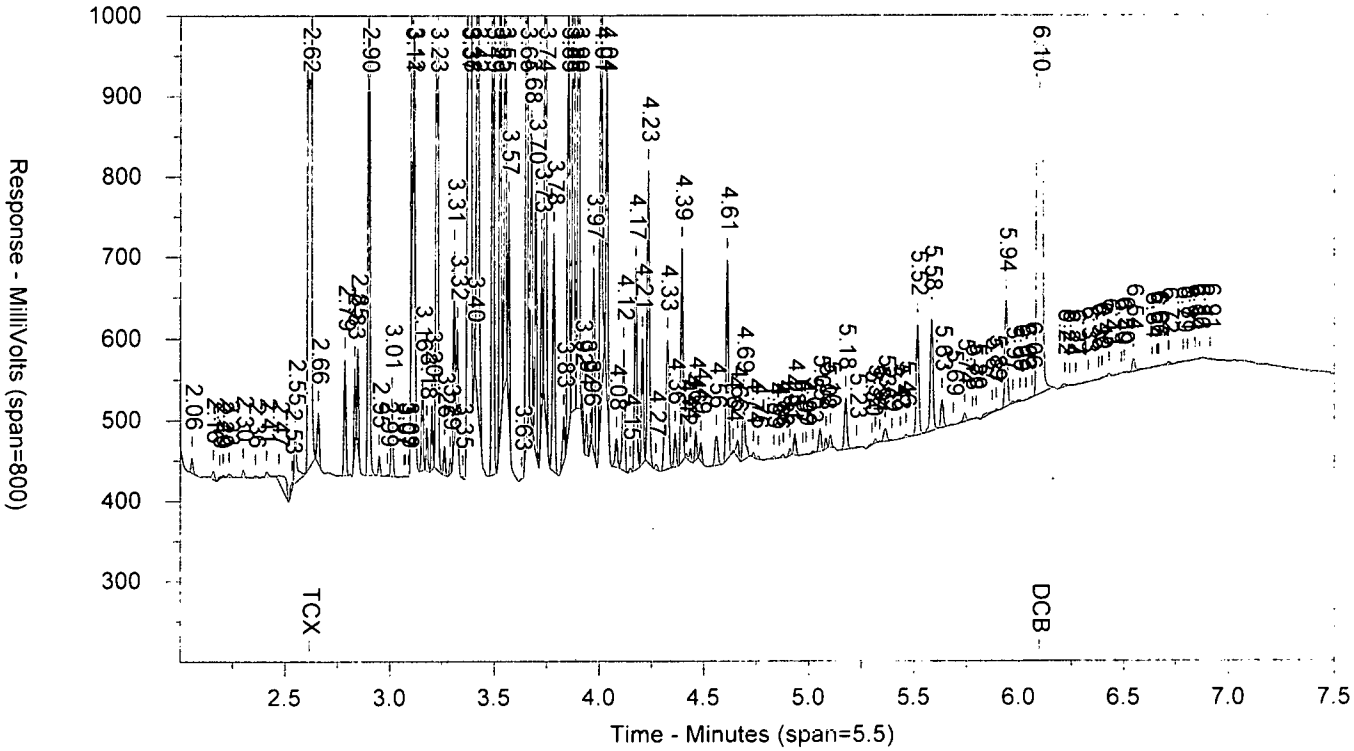


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.012 | | 465 | 256 |
| 2.036 | | 6677 | 7024 |
| 2.083 | | 9095 | 25134 |
| 2.171 | | 2715 | 4079 |
| 2.207 | | 244 | 138 |
| 2.231 | | 37939 | 29033 |
| 2.306 | | 404 | 227 |
| 2.337 | | 17497 | 18762 |
| 2.365 | | 1601 | 1351 |
| 2.434 | | 706 | 579 |
| 2.49 | | 5106 | 6443 |
| 2.532 | | 941 | 754 |
| 2.568 | | 4943 | 3308 |
| 2.59 | | 4918 | 2977 |
| 2.647 | | 778 | 811 |
| 2.713 | | 361 | 685 |
| 2.738 | | 1223 | 1658 |
| 2.777 | | 15208 | 14230 |
| 2.843 | | 1514 | 1444 |
| 2.871 | | 334 | 161 |
| 2.895 | | 3351 | 2722 |
| 2.931 | TCX | 9272318 | 6264558 |
| 3.028 | | 2011 | 1374 |
| 3.077 | | 75674 | 66224 |
| 3.13 | | 142989 | 140850 |
| 3.18 | | 448810 | 331026 |
| 3.258 | | 13140 | 6627 |
| 3.273 | | 47692 | 30050 |
| 3.316 | | 1579 | 1405 |
| 3.395 | | 434341 | 267940 |
| 3.412 | | 207566 | 108403 |
| 3.449 | | 53591 | 30784 |
| 3.465 | | 4789 | 1755 |
| 3.476 | | 30044 | 15761 |
| 3.51 | | 548757 | 434546 |
| 3.546 | | 2238 | 1220 |
| 3.566 | | 15411 | 9056 |
| 3.584 | | 14409 | 8261 |
| 3.619 | | 121379 | 70411 |
| 3.634 | | 59179 | 30126 |
| 3.677 | | 231018 | 120895 |
| 3.687 | | 588126 | 305198 |
| 3.725 | | 661094 | 521604 |
| 3.781 | | 590142 | 459019 |
| 3.822 | | 44817 | 31845 |
| 3.851 | | 351082 | 265404 |
| 3.878 | | 247931 | 208533 |
| 3.899 | | 72124 | 39899 |
| 3.973 | | 427507 | 311877 |
| 3.997 | | 148591 | 96506 |
| 4.029 | | 162979 | 118782 |
| 4.062 | | 458485 | 445934 |
| 4.102 | | 144887 | 118994 |
| 4.148 | | 19635 | 18079 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.187 | | 24078 | 17926 |
| 4.221 | | 140985 | 97160 |
| 4.239 | | 114644 | 72871 |
| 4.263 | | 123623 | 95824 |
| 4.317 | | 1692 | 971 |
| 4.332 | | 2784 | 1846 |
| 4.366 | | 39039 | 51117 |
| 4.409 | | 2846 | 1705 |
| 4.474 | | 737 | 558 |
| 4.512 | | 2341 | 2535 |
| 4.566 | | 4170 | 3822 |
| 4.608 | | 3517 | 6371 |
| 4.684 | | 417 | 430 |
| 4.709 | | 1598 | 1574 |
| 4.749 | | 777 | 663 |
| 4.788 | | 707 | 593 |
| 4.837 | | 2573 | 2299 |
| 4.871 | | 14851 | 13815 |
| 4.966 | | 4160 | 5607 |
| 5.034 | | 2149 | 1880 |
| 5.057 | | 878 | 728 |
| 5.112 | | 25575 | 25076 |
| 5.153 | | 1583 | 1346 |
| 5.192 | | 1355 | 1333 |
| 5.26 | | 531 | 399 |
| 5.324 | | 3946 | 5469 |
| 5.359 | | 911 | 866 |
| 5.382 | | 1003 | 588 |
| 5.406 | | 597 | 226 |
| 5.442 | | 806 | 765 |
| 5.467 | | 2074 | 2482 |
| 5.517 | | 23455 | 23617 |
| 5.59 | | 495 | 400 |
| 5.641 | | 52321 | 55567 |
| 5.722 | | 783 | 880 |
| 5.764 | | 488 | 502 |
| 5.821 | | 2769 | 2730 |
| 5.866 | | 1452 | 1473 |
| 5.913 | | 413 | 308 |
| 5.956 | | 3009 | 4093 |
| 6.012 | | 93517 | 92630 |
| 6.076 | | 93821 | 112597 |
| 6.149 | | 300 | 658 |
| 6.243 | | 2403 | 3621 |
| 6.28 | | 1361 | 1286 |
| 6.342 | | 636 | 1388 |
| 6.38 | | 1970 | 2855 |
| 6.418 | | 1166 | 712 |
| 6.448 | | 70441 | 70474 |
| 6.506 | | 3593 | 4423 |
| 6.597 | DCB | 7121745 | 6901277 |
| 6.694 | | 782 | 351 |
| 6.719 | | 671 | 610 |
| 6.766 | | 1273 | 1629 |
| 6.798 | | 811 | 374 |
| 6.821 | | 1037 | 736 |
| 6.843 | | 562 | 381 |
| 6.878 | | 4259 | 10241 |
| 6.983 | | 703 | 420 |

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

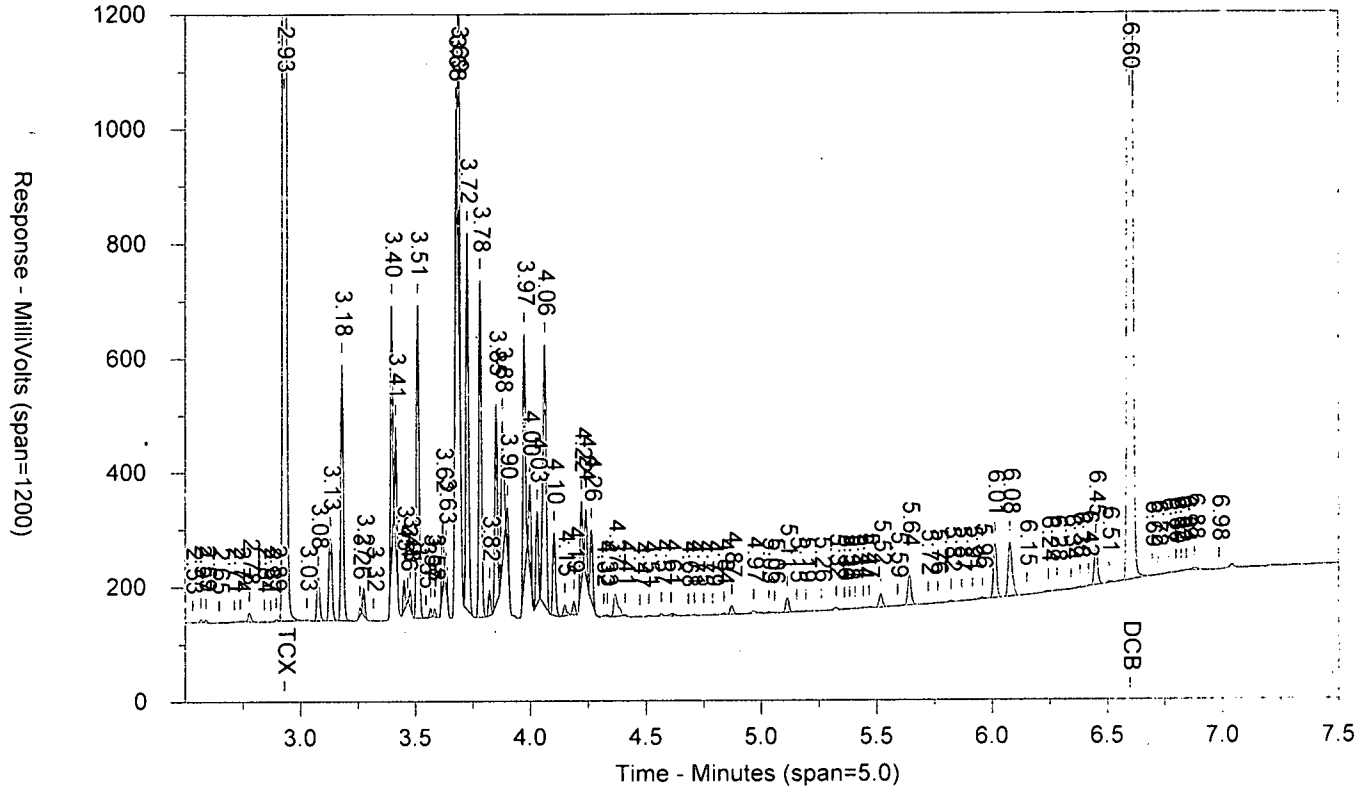
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 28842 | 19981 |
| 2.112 | | 2222 | 1863 |
| 2.158 | | 16322 | 12918 |
| 2.189 | | 3781 | 2847 |
| 2.209 | | 1680 | 1060 |
| 2.235 | | 3812 | 4236 |
| 2.299 | | 10376 | 7228 |
| 2.352 | | 2048 | 2694 |
| 2.467 | | 4037 | 15799 |
| 2.533 | | 3181 | 1422 |
| 2.547 | | 24471 | 16321 |
| 2.615 | TCX | 16576730 | 9603962 |
| 2.658 | | 70549 | 48377 |
| 2.785 | | 165059 | 111510 |
| 2.832 | | 154843 | 74674 |
| 2.846 | | 129631 | 64529 |
| 2.898 | | 818196 | 502925 |
| 2.948 | | 38219 | 22515 |
| 3.009 | | 112368 | 70226 |
| 3.061 | | 521 | 108 |
| 3.068 | | 1491 | 831 |
| 3.086 | | 595 | 204 |
| 3.105 | | 663278 | 331083 |
| 3.116 | | 240778 | 91031 |
| 3.156 | | 130077 | 80315 |
| 3.177 | | 59743 | 33830 |
| 3.203 | | 94834 | 52904 |
| 3.227 | | 1001548 | 677269 |
| 3.263 | | 38970 | 21255 |
| 3.291 | | 35309 | 16436 |
| 3.309 | | 274149 | 143362 |
| 3.325 | | 158244 | 78572 |
| 3.349 | | 656 | 161 |
| 3.375 | | 575580 | 270441 |
| 3.385 | | 1309165 | 551655 |
| 3.404 | | 47935 | 17411 |
| 3.418 | | 1148684 | 740993 |
| 3.492 | | 1239564 | 757860 |
| 3.527 | | 792434 | 481663 |
| 3.55 | | 893048 | 494531 |
| 3.568 | | 304574 | 154820 |
| 3.628 | | 778 | 352 |
| 3.635 | | 1044 | 210 |
| 3.654 | | 1068935 | 694527 |
| 3.676 | | 409828 | 223264 |
| 3.697 | | 372164 | 224131 |
| 3.726 | | 239505 | 121439 |
| 3.743 | | 890732 | 541599 |
| 3.784 | | 325661 | 234538 |
| 3.832 | | 43183 | 33113 |
| 3.853 | | 250083 | 158926 |
| 3.876 | | 523882 | 329304 |
| 3.9 | | 255885 | 152520 |
| 3.919 | | 38202 | 19155 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.941 | | 19464 | 14056 |
| 3.974 | | 22923 | 14392 |
| 4.009 | | 27441 | 14741 |
| 4.022 | | 24517 | 10749 |
| 4.036 | | 11081 | 4725 |
| 4.074 | | 9797 | 8626 |
| 4.11 | | 2858 | 3634 |
| 4.151 | | 8403 | 7404 |
| 4.172 | | 3773 | 2601 |
| 4.208 | | 1707 | 1503 |
| 4.234 | | 7360 | 7835 |
| 4.327 | | 4761 | 5218 |
| 4.363 | | 1640 | 1086 |
| 4.394 | | 4780 | 2967 |
| 4.436 | | 31810 | 28324 |
| 4.46 | | 1843 | 783 |
| 4.562 | | 3815 | 4686 |
| 4.612 | | 6145 | 4877 |
| 4.662 | | 55955 | 42781 |
| 4.721 | | 1026 | 3751 |
| 4.739 | | 2355 | 1665 |
| 4.766 | | 1168 | 1339 |
| 4.834 | | 1677 | 1117 |
| 4.855 | | 960 | 674 |
| 4.909 | | 3741 | 2717 |
| 4.937 | | 2256 | 1695 |
| 4.975 | | 3350 | 2196 |
| 5.004 | | 1265 | 662 |
| 5.054 | | 42484 | 37239 |
| 5.104 | | 2245 | 1318 |
| 5.123 | | 813 | 438 |
| 5.175 | | 91940 | 81063 |
| 5.294 | | 2693 | 2616 |
| 5.319 | | 2053 | 1524 |
| 5.363 | | 5439 | 6659 |
| 5.418 | | 1695 | 1898 |
| 5.486 | | 984 | 2550 |
| 5.517 | | 189844 | 172534 |
| 5.585 | | 200802 | 177401 |
| 5.634 | | 43254 | 37473 |
| 5.671 | | 1460 | 923 |
| 5.745 | | 1762 | 2963 |
| 5.805 | | 2471 | 4625 |
| 5.85 | | 1127 | 3190 |
| 5.873 | | 1111 | 820 |
| 5.892 | | 4128 | 4065 |
| 5.939 | | 187367 | 158123 |
| 5.968 | | 5483 | 3901 |
| 5.992 | | 3836 | 4451 |
| 6.029 | | 1394 | 535 |
| 6.057 | | 2688 | 2434 |
| 6.096 | DCB | 21315800 | 17950240 |
| 6.211 | | 5911 | 10816 |
| 6.289 | | 1115 | 1413 |
| 6.311 | | 1128 | 432 |
| 6.339 | | 1088 | 406 |
| 6.364 | | 2249 | 1641 |
| 6.381 | | 1702 | 961 |
| 6.412 | | 970 | 1752 |
| 6.435 | | 2999 | 2298 |
| 6.487 | | 935 | 897 |
| 6.546 | | 22881 | 21131 |
| 6.579 | | 1468 | 745 |
| 6.601 | | 1076 | 468 |
| 6.629 | | 1012 | 1306 |
| 6.648 | | 1053 | 431 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.697 | | 879 | 174 |
| 6.719 | | 4588 | 4487 |
| 6.768 | | 1160 | 919 |
| 6.815 | | 1226 | 849 |
| 6.86 | | 1202 | 1026 |
| 6.958 | | 1116 | 1109 |

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.030.RAW

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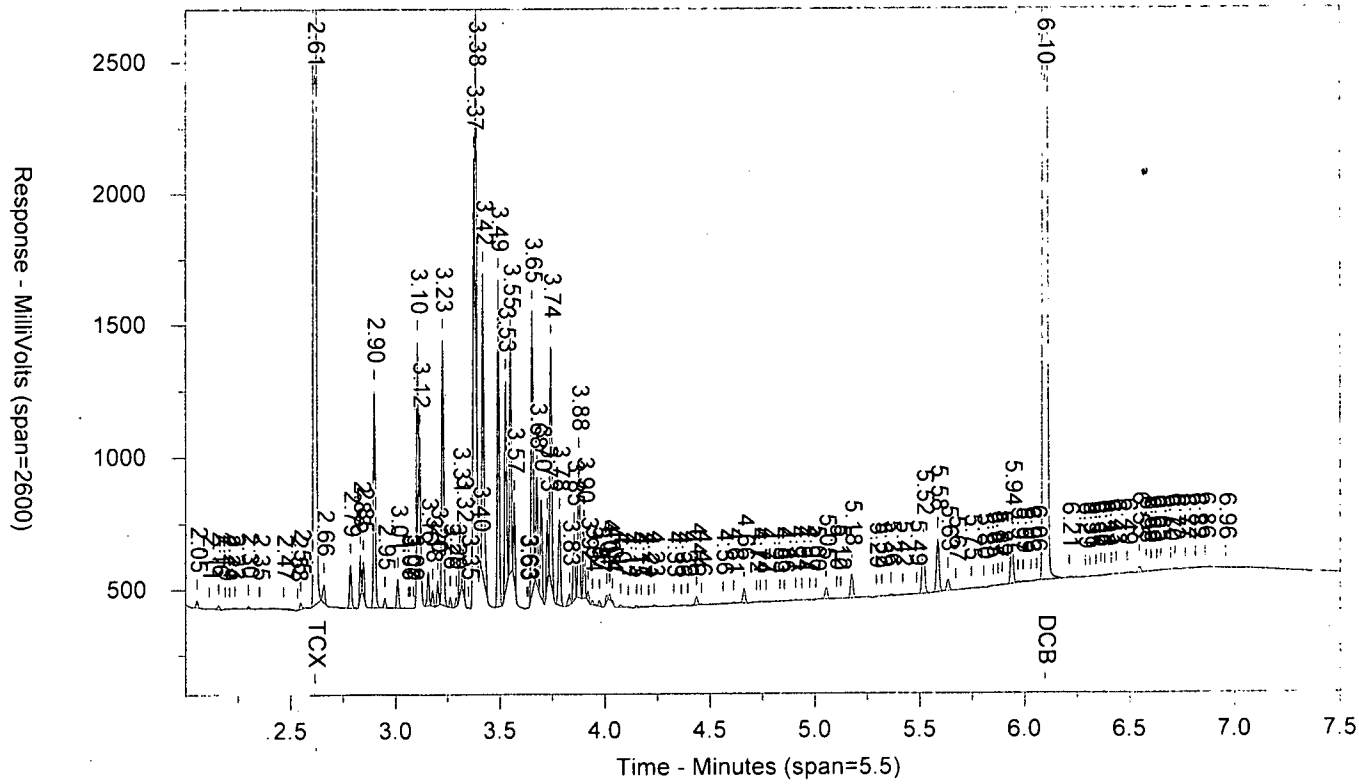


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

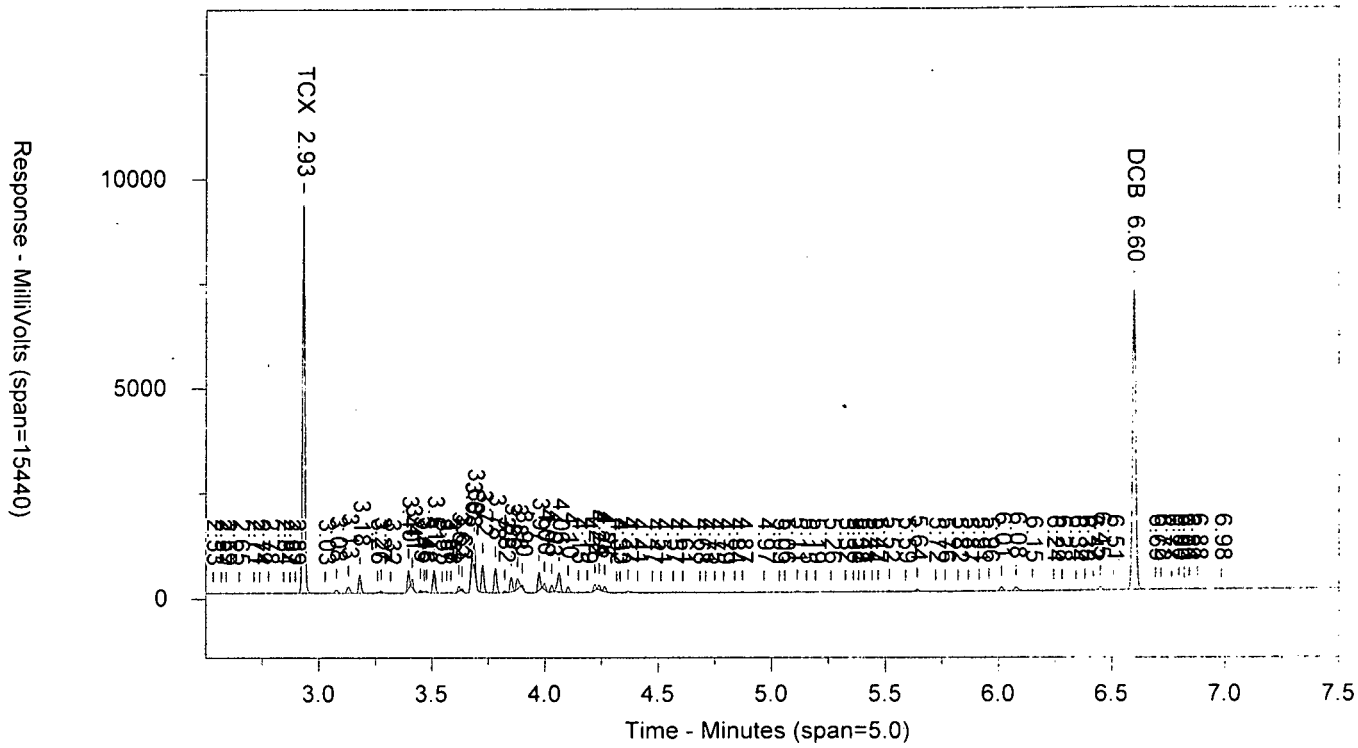
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 9272318 | 63.212 | TCX | 2.615 | 16576730 | 62.305 | TCX |
| 6.597 | 7121745 | 62.332 | DCB | 6.096 | 21315800 | 57.574 | DCB |

Files:
Area File: 25PCBs17289001.030.RAW
Area File: 25PCBs17289001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:19:35 AM
File Reported On: 10/17/2017 at 12:19:46 AM

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.030.RAW

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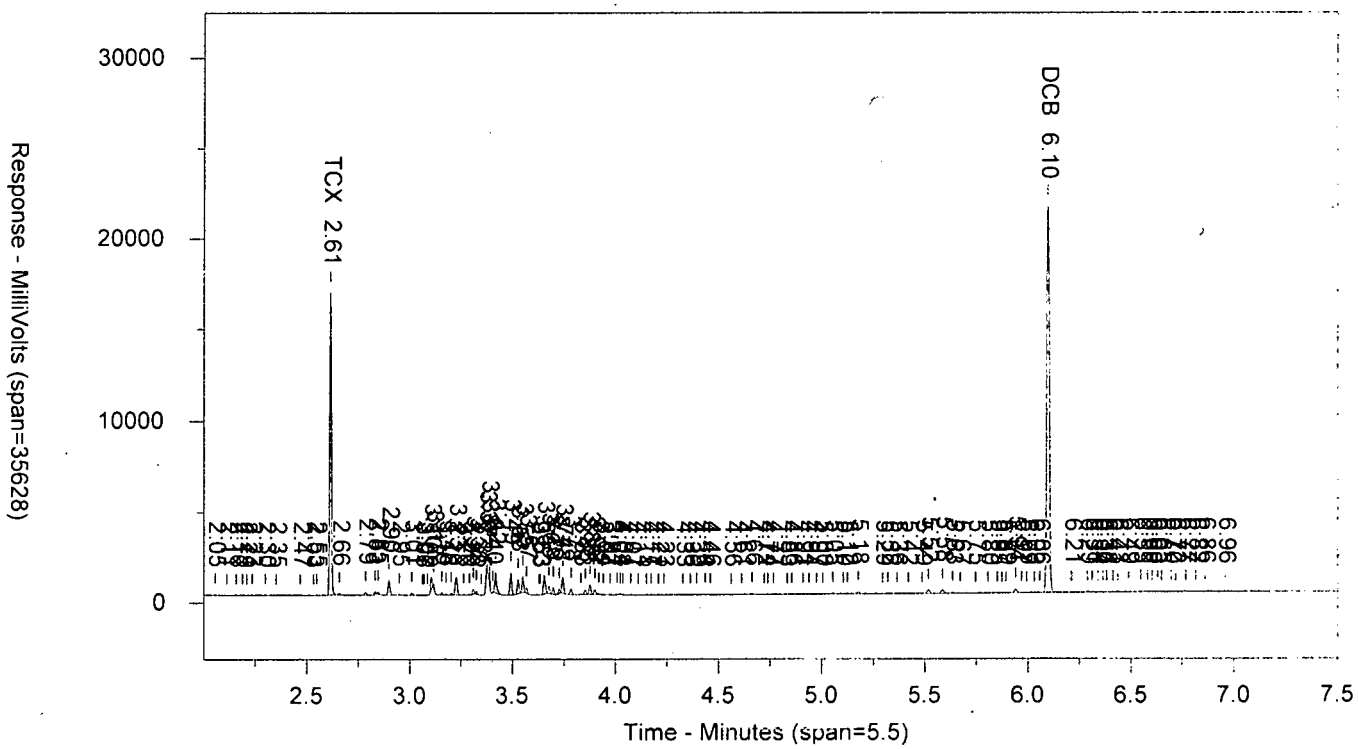

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

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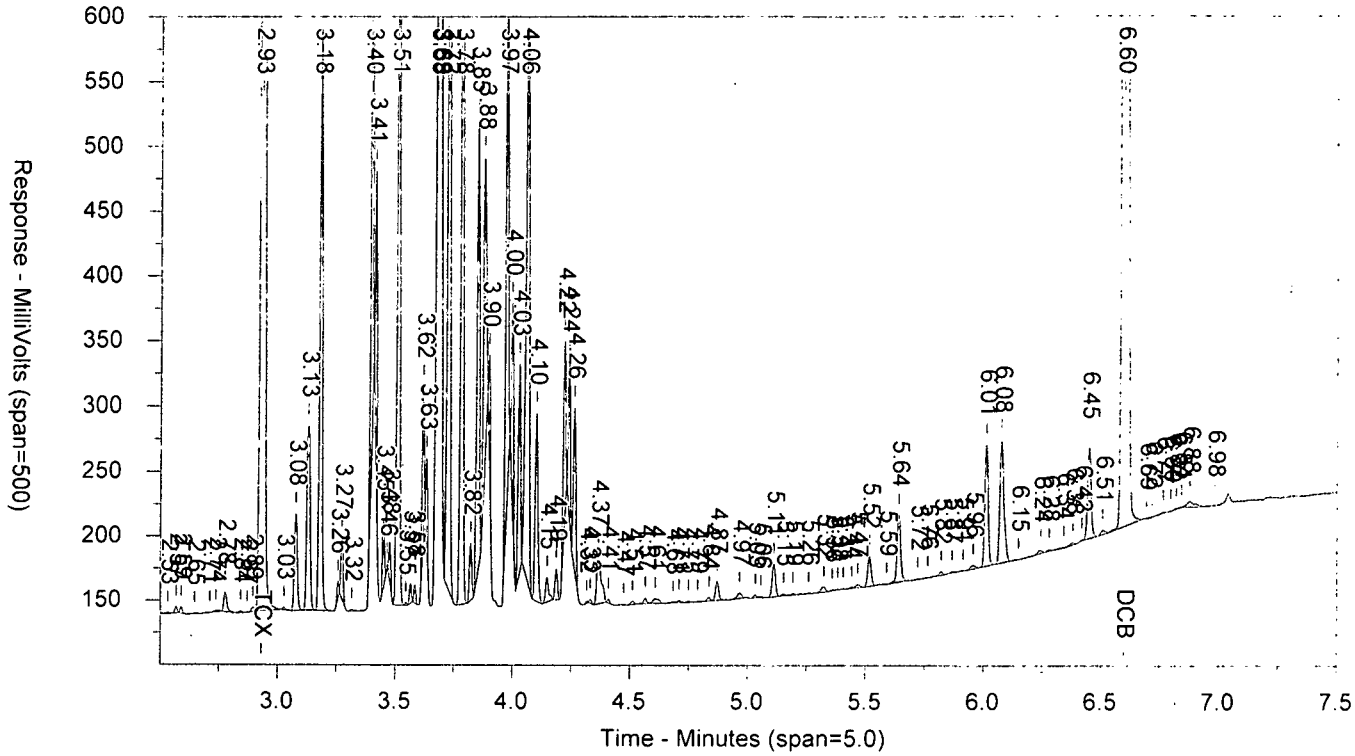


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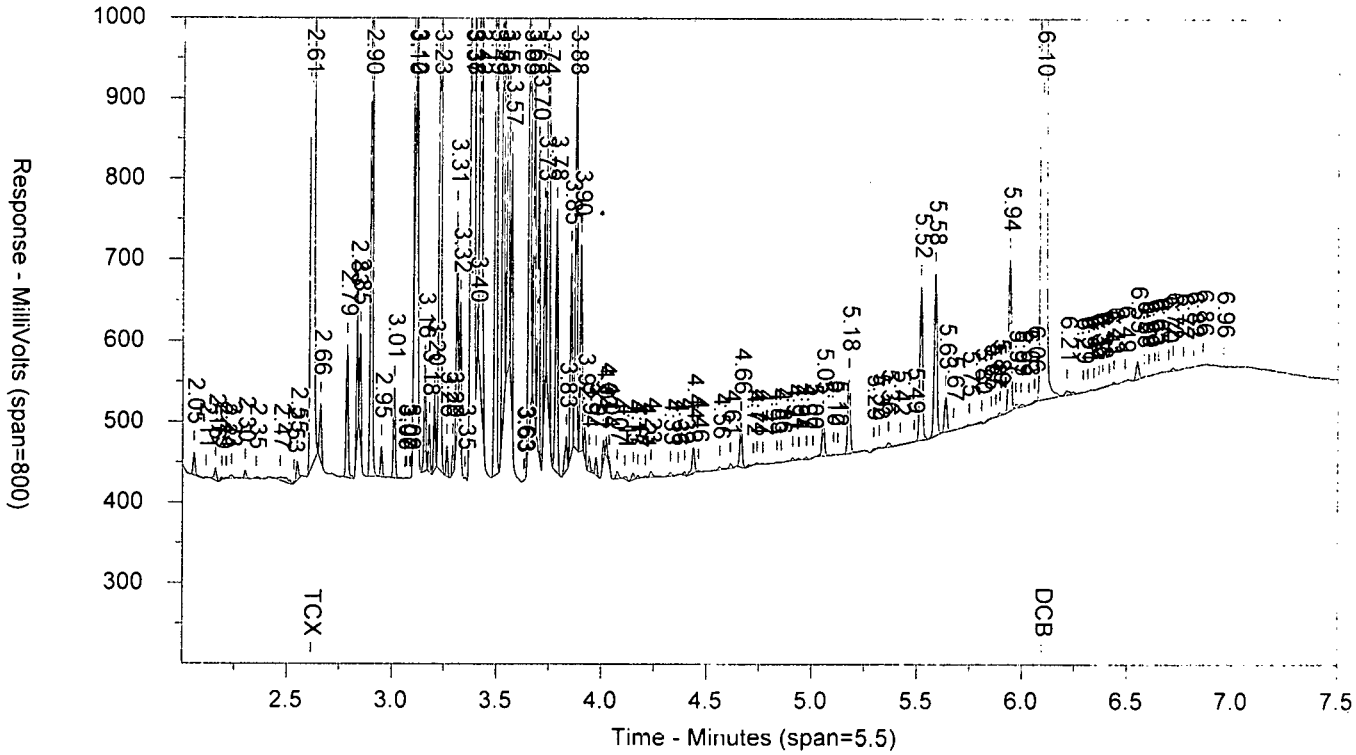

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 8703 | 8443 |
| 2.084 | | 9973 | 21869 |
| 2.305 | | 554 | 318 |
| 2.331 | | 16694 | 11474 |
| 2.366 | | 2409 | 3638 |
| 2.491 | | 6395 | 7171 |
| 2.535 | | 1379 | 1230 |
| 2.59 | | 726 | 669 |
| 2.655 | | 743 | 838 |
| 2.691 | | 379 | 194 |
| 2.706 | | 680 | 331 |
| 2.746 | | 1337 | 1642 |
| 2.778 | | 19318 | 18006 |
| 2.874 | | 501 | 231 |
| 2.895 | | 4766 | 4028 |
| 2.931 | TCX | 56107 | 39708 |
| 3.021 | | 444 | 522 |
| 3.076 | | 2551 | 3264 |
| 3.134 | | 2765 | 2243 |
| 3.181 | | 13970 | 9463 |
| 3.262 | | 4845 | 6211 |
| 3.327 | | 710 | 522 |
| 3.369 | | 320 | 283 |
| 3.396 | | 13729 | 8210 |
| 3.412 | | 5765 | 3084 |
| 3.45 | | 1335 | 833 |
| 3.479 | | 1315 | 1242 |
| 3.51 | | 17172 | 13279 |
| 3.544 | | 914 | 961 |
| 3.602 | | 2545 | 1832 |
| 3.619 | | 2646 | 1229 |
| 3.635 | | 1874 | 909 |
| 3.678 | | 7411 | 4232 |
| 3.688 | | 15233 | 7901 |
| 3.725 | | 20213 | 15700 |
| 3.782 | | 16711 | 12919 |
| 3.823 | | 1075 | 724 |
| 3.852 | | 11599 | 8678 |
| 3.879 | | 7614 | 6507 |
| 3.901 | | 2024 | 942 |
| 3.928 | | 3900 | 3718 |
| 3.975 | | 12482 | 9217 |
| 3.998 | | 3849 | 2504 |
| 4.029 | | 5066 | 3733 |
| 4.063 | | 13623 | 12330 |
| 4.103 | | 3805 | 3111 |
| 4.166 | | 7462 | 8883 |
| 4.223 | | 12368 | 9236 |
| 4.24 | | 1507 | 735 |
| 4.266 | | 8342 | 9349 |
| 4.333 | | 1831 | 1635 |
| 4.377 | | 14518 | 16746 |
| 4.474 | | 352 | 357 |
| 4.513 | | 1705 | 1573 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.565 | | 1638 | 911 |
| 4.581 | | 2949 | 1866 |
| 4.624 | | 8929 | 11725 |
| 4.674 | | 13776 | 14820 |
| 4.712 | | 2829 | 2146 |
| 4.751 | | 30407 | 29669 |
| 4.837 | | 4970 | 5078 |
| 4.867 | | 535 | 297 |
| 4.897 | | 5652 | 5197 |
| 4.949 | | 37112 | 52203 |
| 5 | | 6639 | 5546 |
| 5.039 | | 16586 | 19459 |
| 5.119 | | 3565 | 4381 |
| 5.153 | | 45296 | 46620 |
| 5.195 | | 714 | 248 |
| 5.22 | | 22182 | 20906 |
| 5.262 | | 13119 | 12911 |
| 5.322 | | 4973 | 6159 |
| 5.356 | | 5477 | 4172 |
| 5.381 | | 23729 | 21303 |
| 5.439 | | 12401 | 11787 |
| 5.477 | | 6900 | 6793 |
| 5.518 | | 1987 | 2115 |
| 5.561 | | 7438 | 8430 |
| 5.617 | | 60192 | 55430 |
| 5.645 | | 3361 | 4099 |
| 5.728 | | 320 | 540 |
| 5.821 | | 39477 | 37957 |
| 5.851 | | 2156 | 1402 |
| 5.875 | | 8389 | 9334 |
| 5.954 | | 4381 | 6374 |
| 6.015 | | 2450 | 2416 |
| 6.091 | | 7757 | 11797 |
| 6.138 | | 567 | 271 |
| 6.154 | | 530 | 276 |
| 6.246 | | 20850 | 21918 |
| 6.293 | | 1495 | 2125 |
| 6.351 | | 375 | 1078 |
| 6.389 | | 139 | 849 |
| 6.45 | | 5168 | 5422 |
| 6.508 | | 4599 | 5546 |
| 6.598 | DCB | 62894 | 70981 |
| 6.702 | | 354 | 1477 |
| 6.74 | | 958 | 211 |
| 6.793 | | 1011 | 3660 |
| 6.834 | | 515 | 1311 |
| 6.88 | | 4463 | 9850 |
| 6.948 | | 664 | 284 |
| 6.976 | | 684 | 228 |

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.158 | | 4013 | 3299 |
| 2.193 | | 2296 | 3334 |
| 2.231 | | 4304 | 4857 |
| 2.355 | | 2369 | 2699 |
| 2.41 | | 2576 | 3722 |
| 2.516 | | 3219 | 1498 |
| 2.532 | | 3079 | 1181 |
| 2.548 | | 34475 | 29050 |
| 2.593 | | 1880 | 1065 |
| 2.615 | TCX | 109842 | 64640 |
| 2.658 | | 2888 | 2938 |
| 2.785 | | 5519 | 7131 |
| 2.832 | | 2034 | 1320 |
| 2.848 | | 5273 | 2988 |
| 2.899 | | 26541 | 17666 |
| 2.98 | | 1627 | 1398 |
| 3.009 | | 3545 | 3222 |
| 3.064 | | 605 | 149 |
| 3.071 | | 986 | 496 |
| 3.084 | | 1010 | 679 |
| 3.105 | | 22908 | 10820 |
| 3.116 | | 7238 | 2912 |
| 3.147 | | 369 | 64 |
| 3.156 | | 3590 | 1714 |
| 3.182 | | 3392 | 3007 |
| 3.203 | | 2910 | 1579 |
| 3.227 | | 32906 | 21608 |
| 3.262 | | 1396 | 726 |
| 3.273 | | 689 | 118 |
| 3.281 | | 753 | 202 |
| 3.31 | | 8721 | 4210 |
| 3.326 | | 6997 | 3312 |
| 3.351 | | 2954 | 1615 |
| 3.375 | | 21978 | 10058 |
| 3.385 | | 36528 | 14576 |
| 3.404 | | 2214 | 753 |
| 3.419 | | 36077 | 23083 |
| 3.45 | | 1279 | 843 |
| 3.468 | | 1230 | 214 |
| 3.492 | | 39339 | 24346 |
| 3.527 | | 28409 | 17742 |
| 3.551 | | 28811 | 15942 |
| 3.568 | | 9731 | 4604 |
| 3.6 | | 1457 | 1121 |
| 3.631 | | 1137 | 1180 |
| 3.654 | | 34298 | 22201 |
| 3.677 | | 13354 | 7322 |
| 3.698 | | 10848 | 6193 |
| 3.727 | | 7421 | 3728 |
| 3.743 | | 28220 | 16678 |
| 3.773 | | 786 | 122 |
| 3.785 | | 9200 | 5821 |
| 3.799 | | 530 | 154 |
| 3.83 | | 2009 | 1197 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.854 | | 8624 | 5216 |
| 3.875 | | 36997 | 24019 |
| 3.902 | | 7052 | 4263 |
| 3.92 | | 1697 | 720 |
| 3.942 | | 20458 | 15962 |
| 3.974 | | 31568 | 20866 |
| 4.006 | | 1355 | 480 |
| 4.024 | | 2896 | 2083 |
| 4.051 | | 1178 | 244 |
| 4.075 | | 9193 | 8348 |
| 4.117 | | 5060 | 4231 |
| 4.149 | | 3201 | 3445 |
| 4.175 | | 7642 | 6262 |
| 4.217 | | 8909 | 5188 |
| 4.235 | | 6788 | 3443 |
| 4.248 | | 20433 | 11370 |
| 4.273 | | 12558 | 11819 |
| 4.326 | | 71730 | 53963 |
| 4.373 | | 2013 | 1262 |
| 4.395 | | 6260 | 3689 |
| 4.42 | | 18241 | 15057 |
| 4.462 | | 83787 | 66952 |
| 4.564 | | 62956 | 59840 |
| 4.616 | | 7546 | 6242 |
| 4.655 | | 19243 | 18252 |
| 4.691 | | 67693 | 57234 |
| 4.723 | | 41967 | 28442 |
| 4.761 | | 26754 | 21515 |
| 4.836 | | 934 | 615 |
| 4.861 | | 7197 | 5328 |
| 4.911 | | 49684 | 38995 |
| 4.935 | | 6306 | 3924 |
| 4.985 | | 20945 | 17351 |
| 5.02 | | 13201 | 10602 |
| 5.051 | | 10301 | 8018 |
| 5.083 | | 3043 | 2105 |
| 5.104 | | 109607 | 91858 |
| 5.146 | | 3022 | 2420 |
| 5.176 | | 7216 | 7659 |
| 5.23 | | 2377 | 6651 |
| 5.295 | | 2657 | 2230 |
| 5.318 | | 25847 | 21220 |
| 5.363 | | 82936 | 86440 |
| 5.429 | | 735 | 326 |
| 5.462 | | 952 | 574 |
| 5.491 | | 1128 | 760 |
| 5.518 | | 7108 | 9249 |
| 5.585 | | 7754 | 11236 |
| 5.634 | | 18371 | 17692 |
| 5.741 | | 41653 | 35191 |
| 5.772 | | 3007 | 1912 |
| 5.797 | | 2487 | 1895 |
| 5.839 | | 1437 | 1662 |
| 5.867 | | 1201 | 237 |
| 5.884 | | 1025 | 423 |
| 5.903 | | 1145 | 430 |
| 5.916 | | 1073 | 396 |
| 5.939 | | 15211 | 13189 |
| 5.979 | | 1360 | 928 |
| 6.006 | | 2832 | 3608 |
| 6.036 | | 1150 | 452 |
| 6.097 | DCB | 189016 | 168450 |
| 6.165 | | 2304 | 5272 |
| 6.219 | | 5235 | 10577 |
| 6.285 | | 2072 | 2095 |
| 6.33 | | 1175 | 2210 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.361 | | 1066 | 844 |
| 6.4 | | 1652 | 1234 |
| 6.452 | | 531 | 953 |
| 6.478 | | 1232 | 979 |
| 6.514 | | 1616 | 1598 |
| 6.537 | | 970 | 385 |
| 6.579 | | 1214 | 1406 |
| 6.614 | | 926 | 1456 |
| 6.633 | | 1280 | 658 |
| 6.662 | | 2125 | 2394 |
| 6.703 | | 1165 | 650 |
| 6.734 | | 1680 | 1806 |
| 6.785 | | 1305 | 2873 |
| 6.84 | | 2538 | 4194 |
| 6.873 | | 1641 | 8269 |
| 6.978 | | 1084 | 1250 |
| 6.992 | | 1112 | 432 |

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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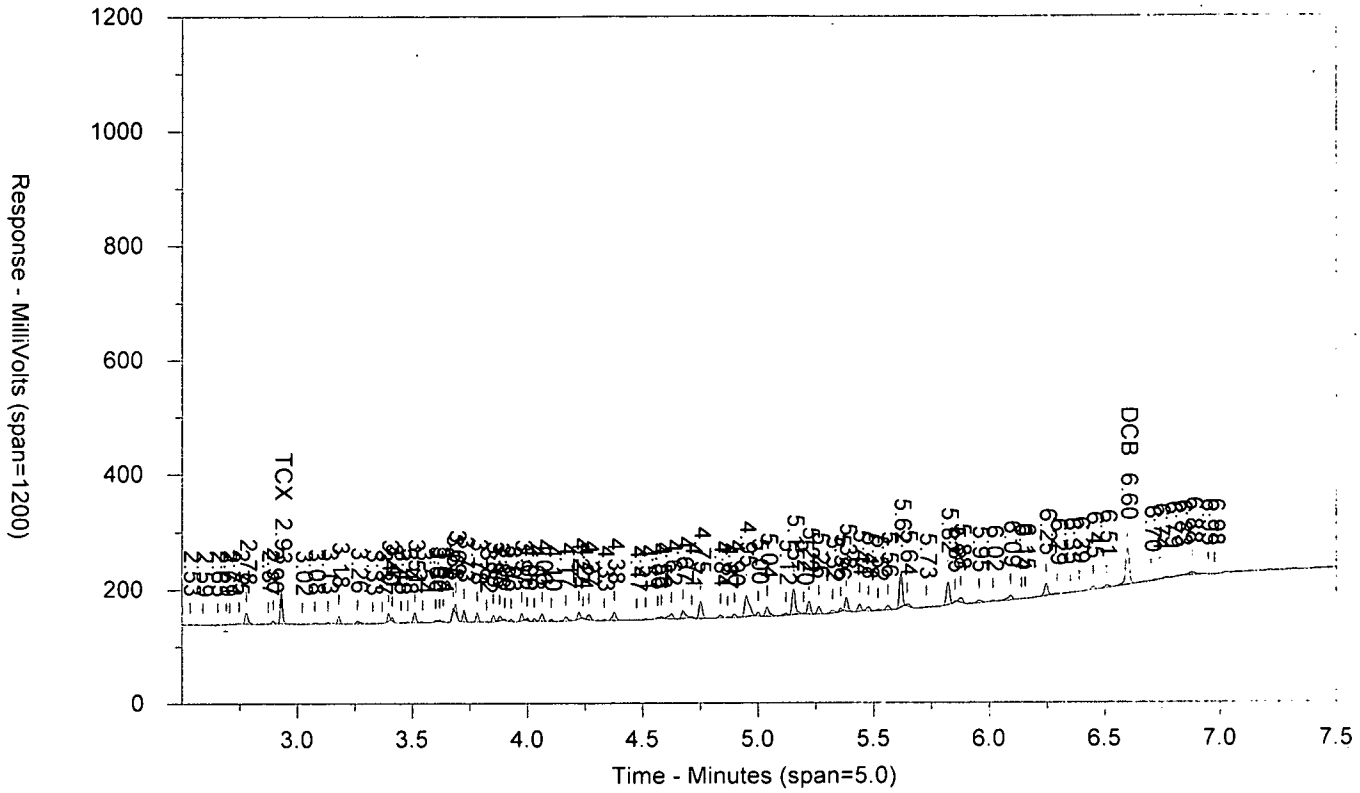


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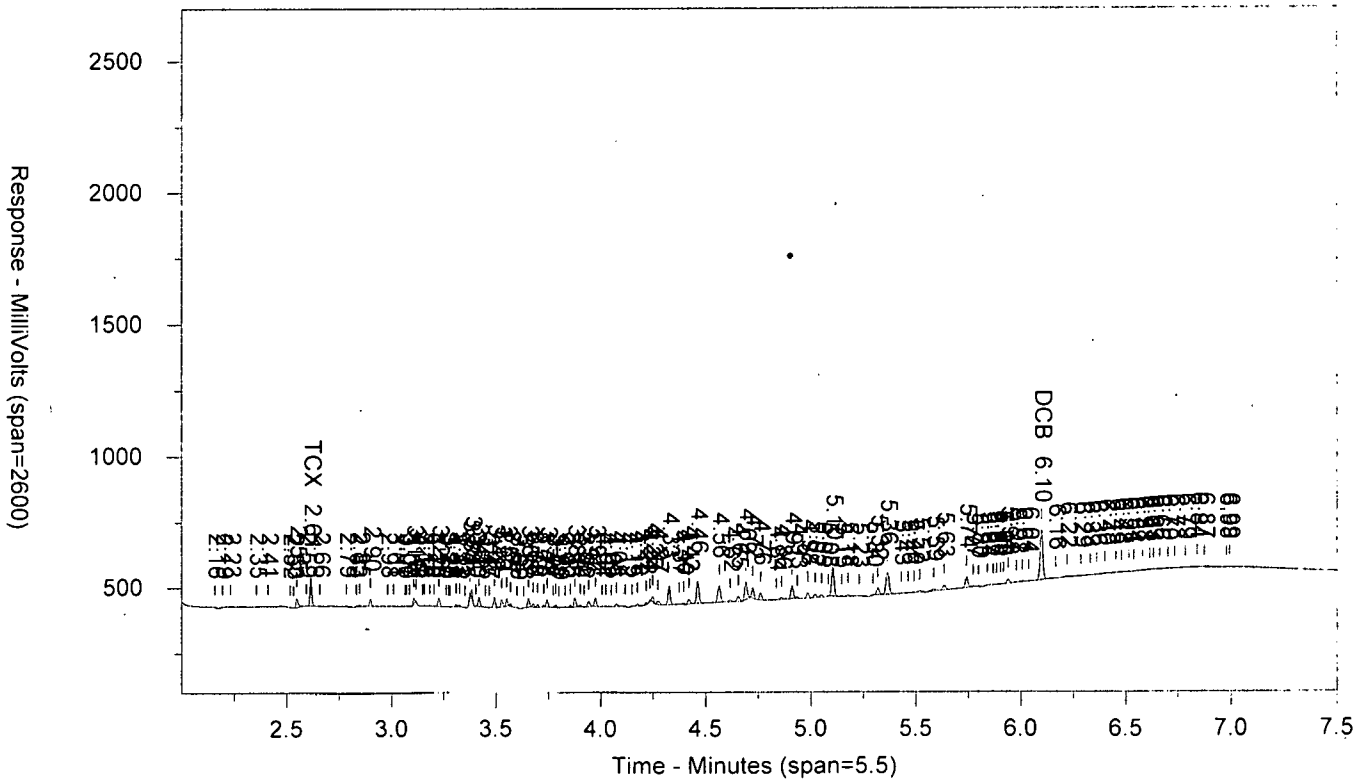

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 56107 | .382 | TCX | 2.615 | 109842 | .413 | TCX |
| 6.598 | 62894 | .55 | DCB | 6.097 | 189016 | .511 | DCB |

Files:
Area File: 25PCBs17289001.031.RAW
Area File: 25PCBs17289001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:31:00 AM
File Reported On: 10/17/2017 at 12:31:12 AM

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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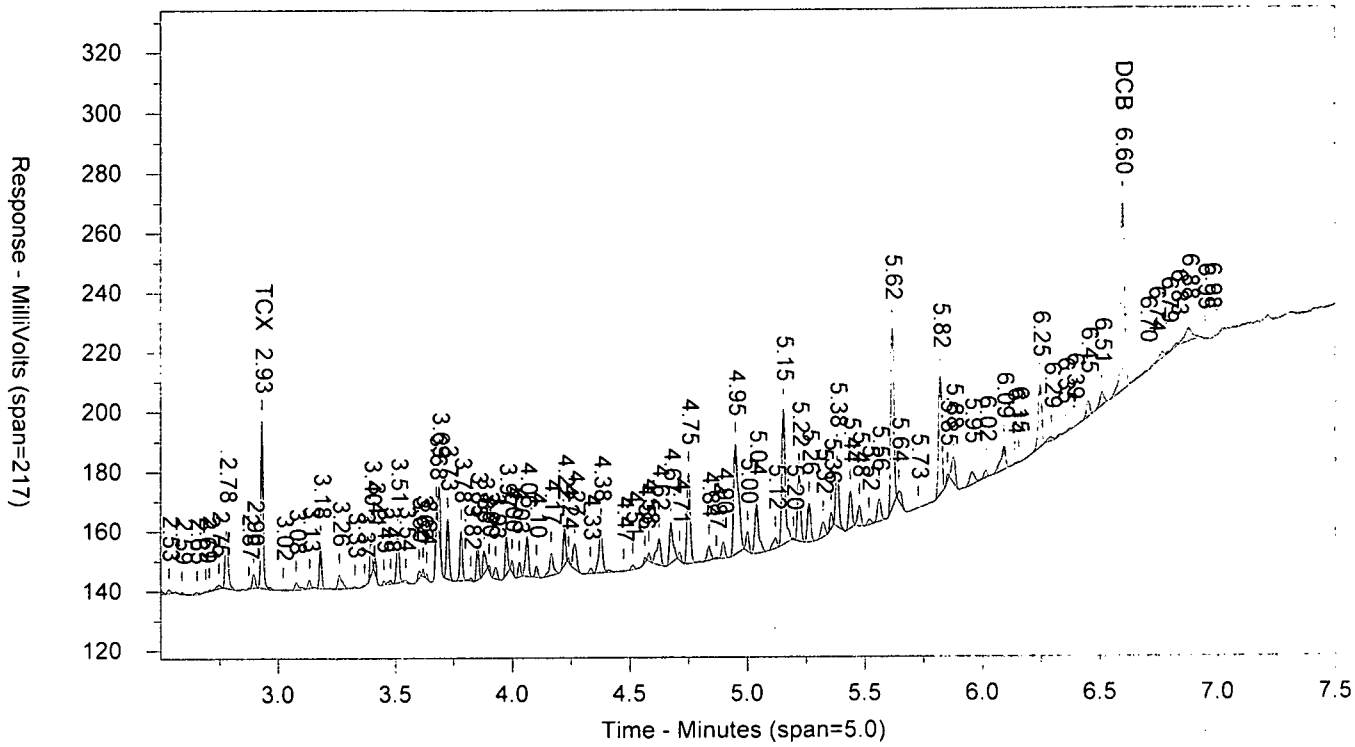


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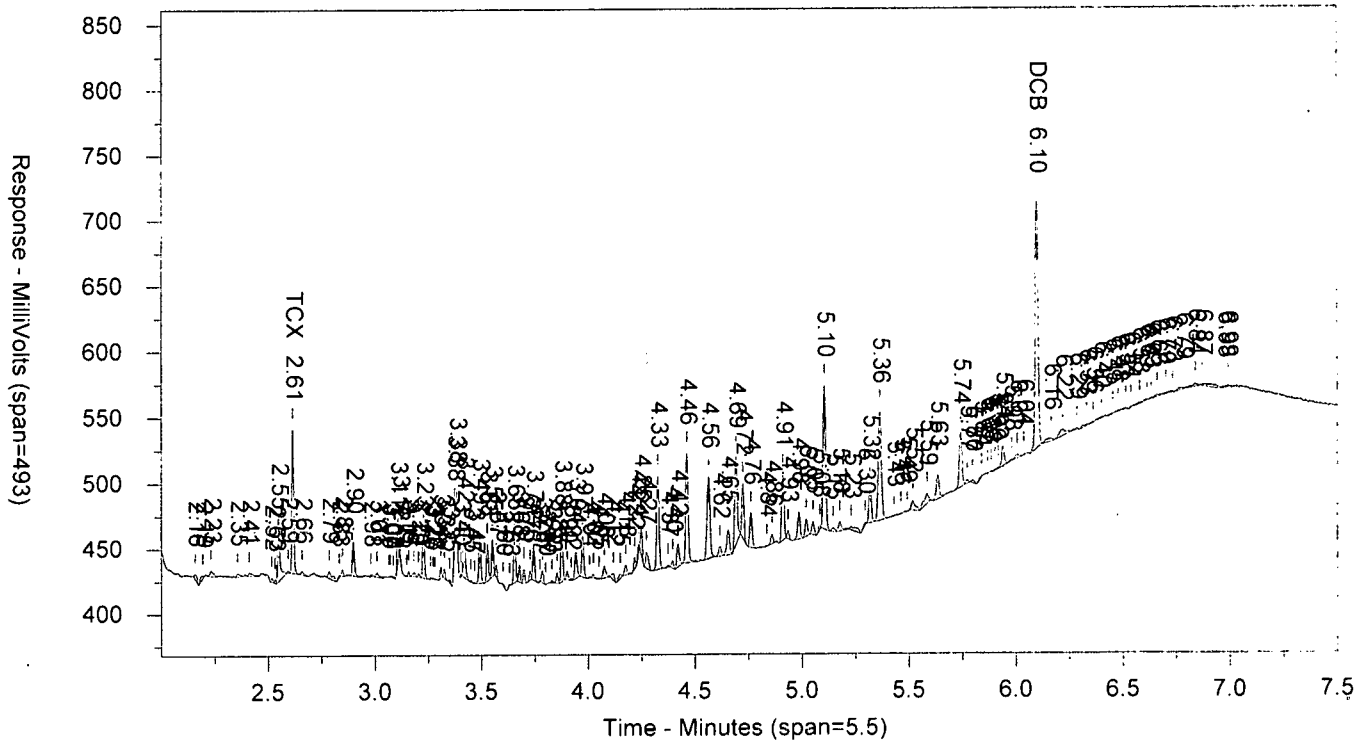

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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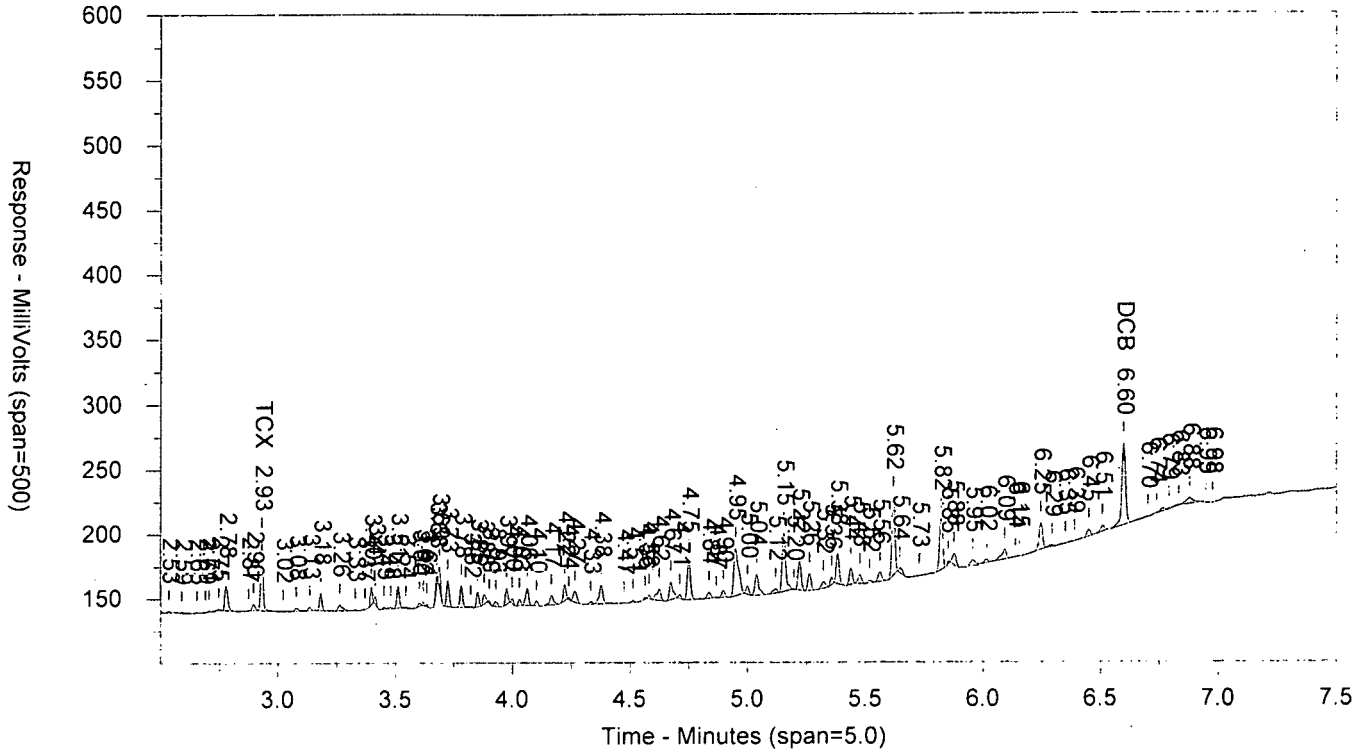


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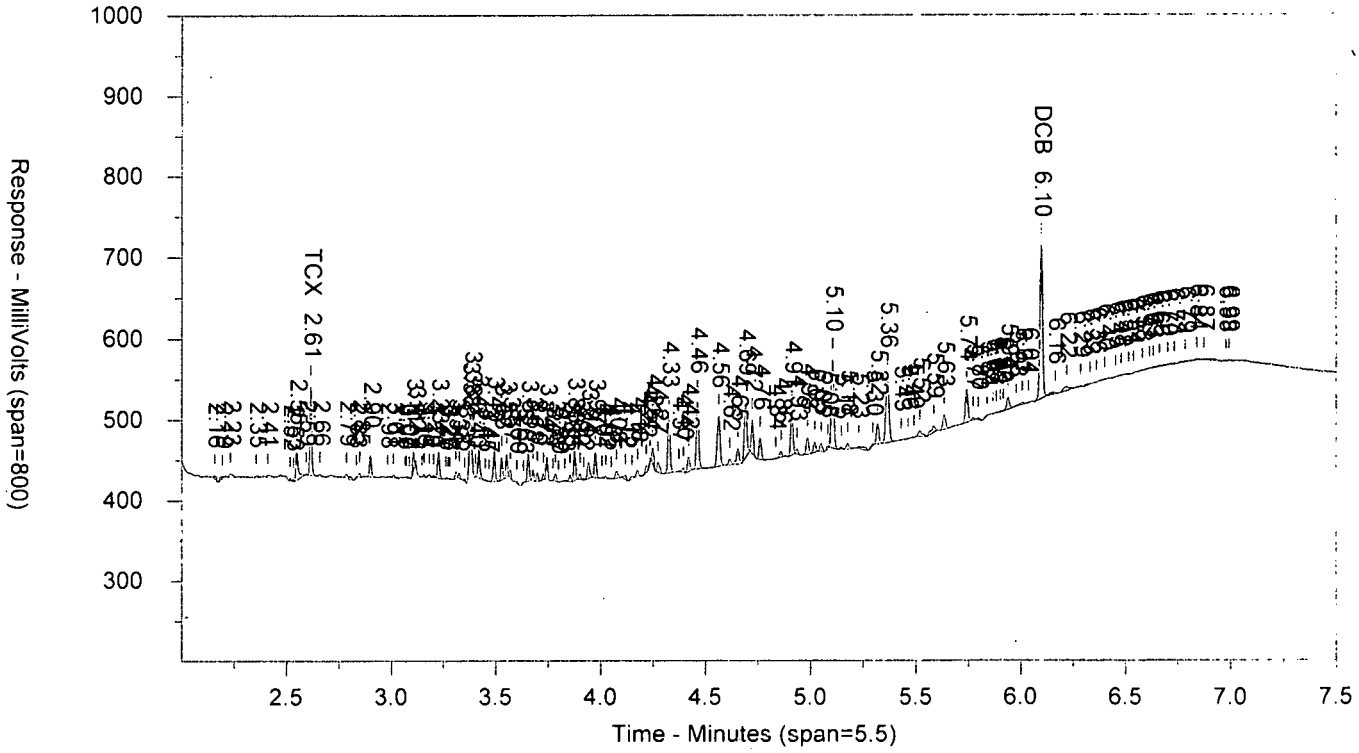


LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.01 | | 391 | 152 |
| 2.036 | | 5991 | 6403 |
| 2.086 | | 17729 | 31504 |
| 2.186 | | 534 | 261 |
| 2.231 | | 27059 | 20514 |
| 2.337 | | 12341 | 13641 |
| 2.367 | | 2008 | 3014 |
| 2.49 | | 5058 | 6167 |
| 2.531 | | 792 | 781 |
| 2.568 | | 5341 | 3402 |
| 2.59 | | 3633 | 2169 |
| 2.651 | | 614 | 472 |
| 2.691 | | 333 | 151 |
| 2.744 | | 1024 | 1109 |
| 2.778 | | 33976 | 35042 |
| 2.844 | | 1390 | 1039 |
| 2.872 | | 459 | 134 |
| 2.895 | | 3230 | 2399 |
| 2.931 | TCX | 6485733 | 4331489 |
| 3.026 | | 1942 | 1257 |
| 3.077 | | 80586 | 69450 |
| 3.132 | | 134783 | 123600 |
| 3.181 | | 484644 | 355566 |
| 3.258 | | 9527 | 4690 |
| 3.273 | | 59809 | 36849 |
| 3.317 | | 1463 | 899 |
| 3.395 | | 501866 | 304631 |
| 3.413 | | 232493 | 125594 |
| 3.449 | | 61056 | 34392 |
| 3.465 | | 4398 | 1476 |
| 3.476 | | 31867 | 16957 |
| 3.51 | | 624161 | 487218 |
| 3.547 | | 2732 | 1273 |
| 3.567 | | 12053 | 7237 |
| 3.585 | | 16881 | 10166 |
| 3.62 | | 128250 | 77611 |
| 3.634 | | 63311 | 31909 |
| 3.677 | | 260736 | 148175 |
| 3.688 | | 662327 | 353059 |
| 3.725 | | 744440 | 585007 |
| 3.782 | | 679043 | 518201 |
| 3.823 | | 52974 | 36471 |
| 3.852 | | 418139 | 311377 |
| 3.879 | | 293604 | 242063 |
| 3.9 | | 76216 | 41269 |
| 3.974 | | 455378 | 338337 |
| 3.998 | | 152132 | 100312 |
| 4.029 | | 170626 | 121631 |
| 4.062 | | 423269 | 406925 |
| 4.102 | | 118274 | 96606 |
| 4.149 | | 8141 | 5635 |
| 4.165 | | 2577 | 1349 |
| 4.188 | | 13085 | 9078 |
| 4.223 | | 400105 | 412313 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.264 | | 74051 | 58631 |
| 4.334 | | 63422 | 52144 |
| 4.377 | | 429389 | 423033 |
| 4.41 | | 8888 | 6163 |
| 4.471 | | 3388 | 2861 |
| 4.512 | | 37422 | 37143 |
| 4.564 | | 40571 | 27083 |
| 4.581 | | 120672 | 88770 |
| 4.624 | | 256738 | 246611 |
| 4.674 | | 456845 | 504222 |
| 4.711 | | 94017 | 65938 |
| 4.75 | | 1019775 | 980379 |
| 4.794 | | 5590 | 4551 |
| 4.835 | | 151805 | 159666 |
| 4.87 | | 12585 | 8288 |
| 4.896 | | 191190 | 182055 |
| 4.948 | | 1262930 | 1579359 |
| 4.999 | | 243103 | 229230 |
| 5.038 | | 596533 | 668142 |
| 5.118 | | 125604 | 149957 |
| 5.152 | | 1553380 | 1596856 |
| 5.193 | | 15100 | 6766 |
| 5.219 | | 730892 | 701491 |
| 5.262 | | 448273 | 448603 |
| 5.327 | | 2001 | 3519 |
| 5.356 | | 183909 | 151483 |
| 5.38 | | 802524 | 734005 |
| 5.437 | | 436617 | 409716 |
| 5.475 | | 247997 | 246547 |
| 5.518 | | 51890 | 52108 |
| 5.56 | | 263030 | 303761 |
| 5.617 | | 2120298 | 2292939 |
| 5.714 | | 1400 | 2037 |
| 5.765 | | 1093 | 1169 |
| 5.82 | | 1336271 | 1248824 |
| 5.851 | | 78192 | 47221 |
| 5.876 | | 254204 | 302384 |
| 5.957 | | 5755 | 7758 |
| 6.013 | | 95424 | 100891 |
| 6.09 | | 255535 | 379552 |
| 6.159 | | 475 | 323 |
| 6.204 | | 1134 | 1844 |
| 6.246 | | 568844 | 582118 |
| 6.29 | | 37876 | 36710 |
| 6.35 | | 576 | 182 |
| 6.388 | | 412 | 1271 |
| 6.447 | | 229770 | 246697 |
| 6.507 | | 5730 | 7797 |
| 6.562 | | 170 | 376 |
| 6.595 | DCB | 4634189 | 4822125 |
| 6.654 | | 1629 | 1598 |
| 6.7 | | 359 | 188 |
| 6.729 | | 952 | 430 |
| 6.762 | | 3724 | 5943 |
| 6.8 | | 720 | 440 |
| 6.833 | | 372 | 1267 |
| 6.876 | | 4758 | 12830 |
| 6.988 | | 652 | 1307 |

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

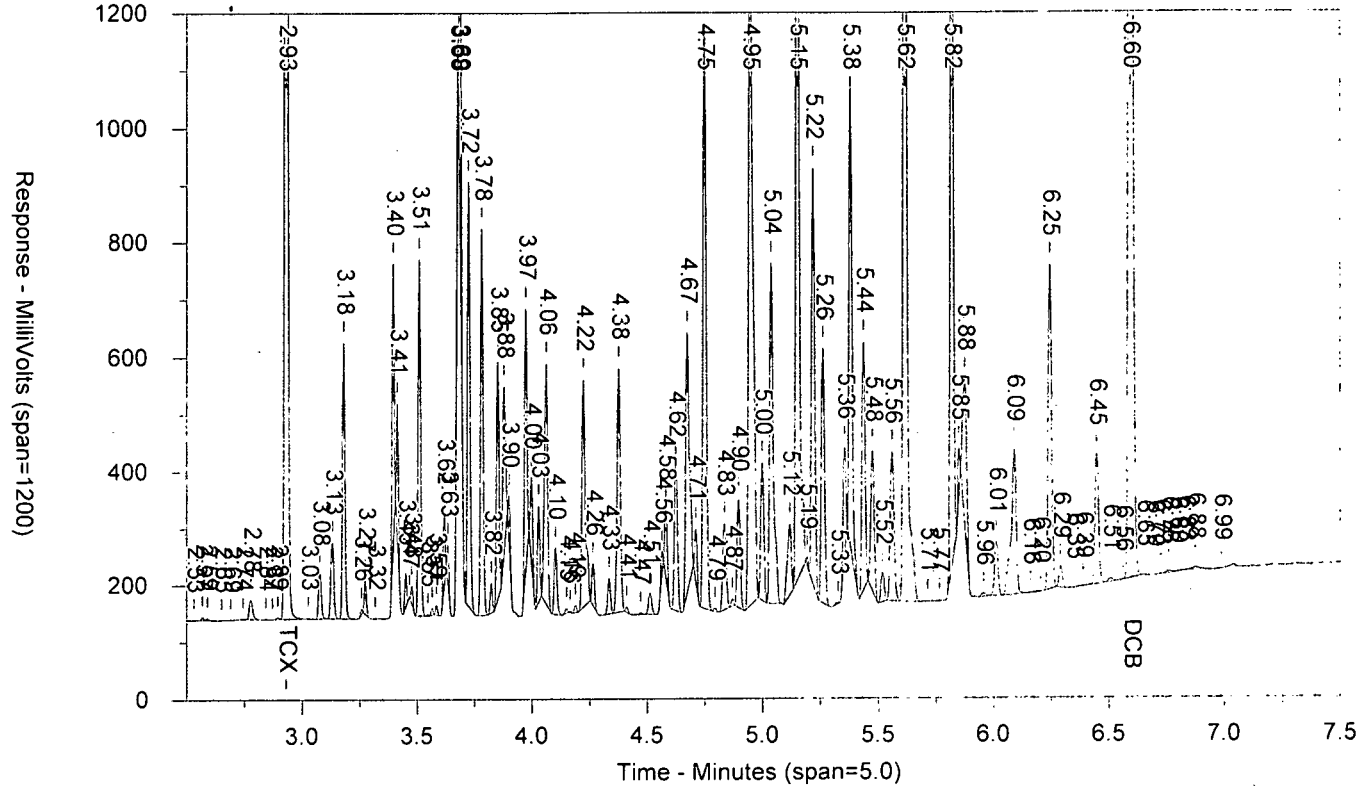
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 21551 | 14596 |
| 2.157 | | 11941 | 8213 |
| 2.188 | | 3545 | 3179 |
| 2.236 | | 4404 | 4852 |
| 2.3 | | 10744 | 7493 |
| 2.357 | | 1982 | 2044 |
| 2.532 | | 6412 | 3185 |
| 2.547 | | 67208 | 61485 |
| 2.615 | TCX | 11522110 | 6629314 |
| 2.658 | | 78795 | 56296 |
| 2.785 | | 170945 | 117468 |
| 2.832 | | 101656 | 49481 |
| 2.846 | | 147116 | 74400 |
| 2.898 | | 875063 | 540123 |
| 2.948 | | 26176 | 15319 |
| 3.009 | | 127108 | 78806 |
| 3.068 | | 1131 | 655 |
| 3.086 | | 736 | 138 |
| 3.105 | | 723993 | 364474 |
| 3.116 | | 281797 | 108785 |
| 3.157 | | 142649 | 89624 |
| 3.177 | | 68385 | 38801 |
| 3.203 | | 100736 | 57145 |
| 3.227 | | 1144823 | 758122 |
| 3.263 | | 42804 | 24502 |
| 3.291 | | 25107 | 12364 |
| 3.31 | | 308381 | 162826 |
| 3.325 | | 176180 | 84564 |
| 3.35 | | 3162 | 1622 |
| 3.375 | | 706208 | 345968 |
| 3.385 | | 1337984 | 574187 |
| 3.405 | | 51950 | 19006 |
| 3.419 | | 1239559 | 828996 |
| 3.492 | | 1386293 | 854673 |
| 3.527 | | 948052 | 572819 |
| 3.551 | | 1041524 | 571620 |
| 3.569 | | 331498 | 170830 |
| 3.625 | | 999 | 487 |
| 3.635 | | 913 | 211 |
| 3.654 | | 1185020 | 772067 |
| 3.677 | | 452798 | 238954 |
| 3.698 | | 395323 | 228921 |
| 3.726 | | 240760 | 126947 |
| 3.743 | | 800684 | 470990 |
| 3.784 | | 261861 | 186220 |
| 3.832 | | 30426 | 26789 |
| 3.854 | | 129448 | 74907 |
| 3.875 | | 928275 | 616011 |
| 3.901 | | 147245 | 86850 |
| 3.92 | | 20040 | 8779 |
| 3.939 | | 146672 | 97207 |
| 3.974 | | 989792 | 669476 |
| 4.008 | | 35860 | 21019 |
| 4.023 | | 49025 | 33855 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.079 | | 9310 | 10887 |
| 4.118 | | 61503 | 63761 |
| 4.149 | | 6429 | 4954 |
| 4.175 | | 227634 | 162514 |
| 4.217 | | 308281 | 186834 |
| 4.235 | | 174598 | 85428 |
| 4.248 | | 771825 | 433232 |
| 4.274 | | 429890 | 423317 |
| 4.326 | | 2413378 | 1803783 |
| 4.373 | | 32715 | 24717 |
| 4.395 | | 162349 | 105964 |
| 4.419 | | 536066 | 378702 |
| 4.461 | | 2853112 | 2178152 |
| 4.529 | | 1270 | 721 |
| 4.563 | | 2299244 | 2124279 |
| 4.616 | | 266887 | 216668 |
| 4.654 | | 626696 | 535877 |
| 4.69 | | 2529747 | 2114234 |
| 4.722 | | 1442575 | 986877 |
| 4.761 | | 925601 | 739718 |
| 4.84 | | 691 | 2078 |
| 4.86 | | 279282 | 205100 |
| 4.876 | | 28570 | 14175 |
| 4.91 | | 1813986 | 1416423 |
| 4.934 | | 195499 | 124042 |
| 4.984 | | 863096 | 782173 |
| 5.019 | | 467766 | 359070 |
| 5.049 | | 365999 | 291334 |
| 5.081 | | 114221 | 68151 |
| 5.103 | | 4693242 | 3607731 |
| 5.144 | | 84846 | 64850 |
| 5.176 | | 179768 | 148156 |
| 5.219 | | 1704 | 1144 |
| 5.254 | | 4564 | 4188 |
| 5.294 | | 48618 | 31925 |
| 5.317 | | 935122 | 750319 |
| 5.362 | | 3206156 | 3286822 |
| 5.432 | | 1916 | 1310 |
| 5.483 | | 3063 | 3168 |
| 5.516 | | 218749 | 192719 |
| 5.563 | | 79973 | 55794 |
| 5.585 | | 155792 | 118453 |
| 5.634 | | 608071 | 522319 |
| 5.682 | | 1467 | 753 |
| 5.74 | | 1524945 | 1246179 |
| 5.772 | | 88664 | 67424 |
| 5.854 | | 876 | 5837 |
| 5.891 | | 2879 | 2279 |
| 5.938 | | 666881 | 572779 |
| 5.97 | | 3092 | 1810 |
| 6.002 | | 2730 | 2445 |
| 6.037 | | 906 | 325 |
| 6.054 | | 2283 | 1921 |
| 6.096 | DCB | 15890750 | 12884390 |
| 6.188 | | 951 | 212 |
| 6.212 | | 5082 | 10619 |
| 6.274 | | 7527 | 8619 |
| 6.313 | | 1739 | 1234 |
| 6.38 | | 859 | 759 |
| 6.398 | | 1026 | 621 |
| 6.429 | | 2565 | 2165 |
| 6.482 | | 1487 | 748 |
| 6.504 | | 3001 | 3222 |
| 6.546 | | 15565 | 14428 |
| 6.598 | | 1074 | 535 |
| 6.664 | | 2086 | 1631 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.717 | | 3246 | 3777 |
| 6.761 | | 1437 | 597 |
| 6.79 | | 1200 | 325 |
| 6.806 | | 924 | 393 |
| 6.843 | | 1465 | 1976 |
| 6.855 | | 1445 | 718 |
| 6.886 | | 1719 | 3453 |
| 6.99 | | 1016 | 1488 |

IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.032.RAW

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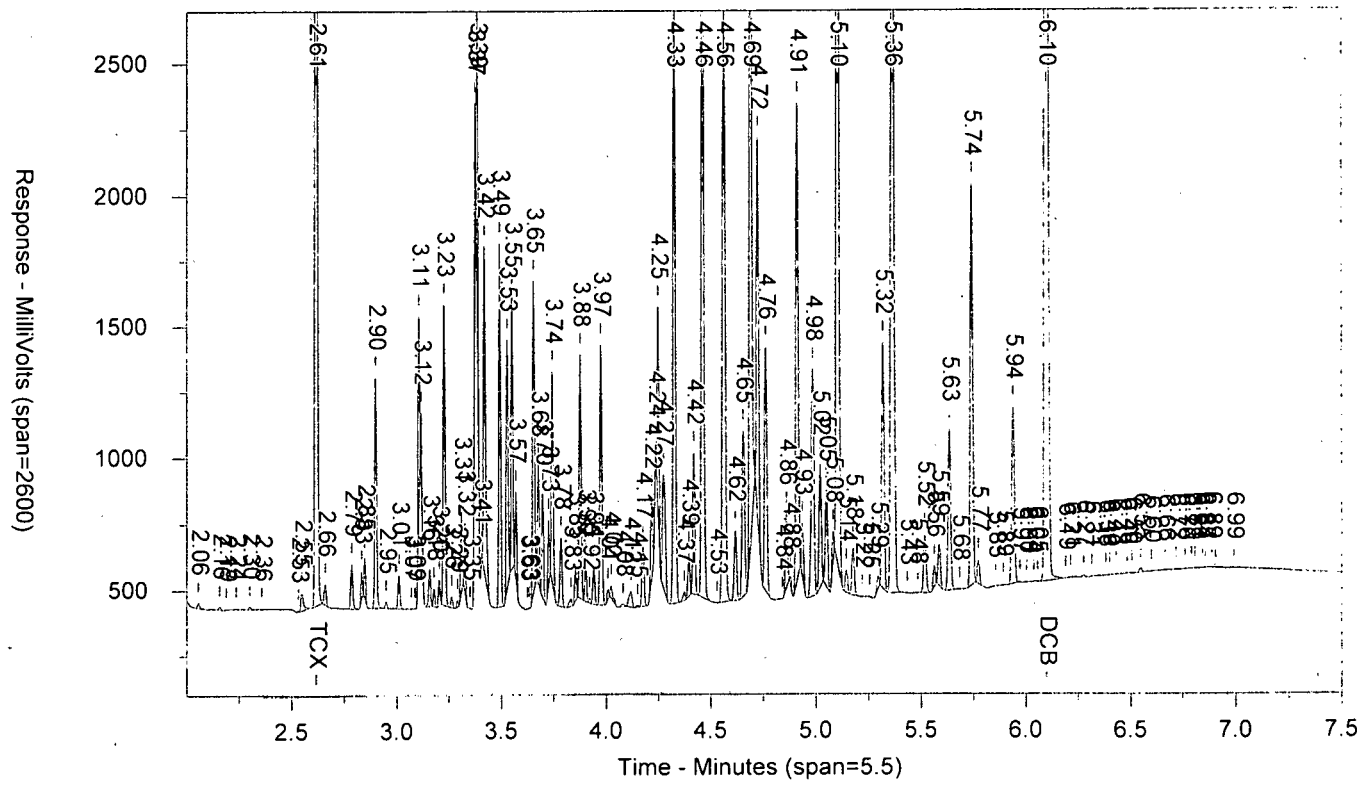

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 6485733 | 44.215 | TCX | 2.615 | 11522110 | 43.306 | TCX |
| 6.595 | 4634189 | 40.56 | DCB | 6.096 | 15890750 | 42.921 | DCB |

Files:
Area File: 25PCBs17289001.032.RAW
Area File: 25PCBs17289001B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:42:17 AM
File Reported On: 10/17/2017 at 12:42:31 AM

IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

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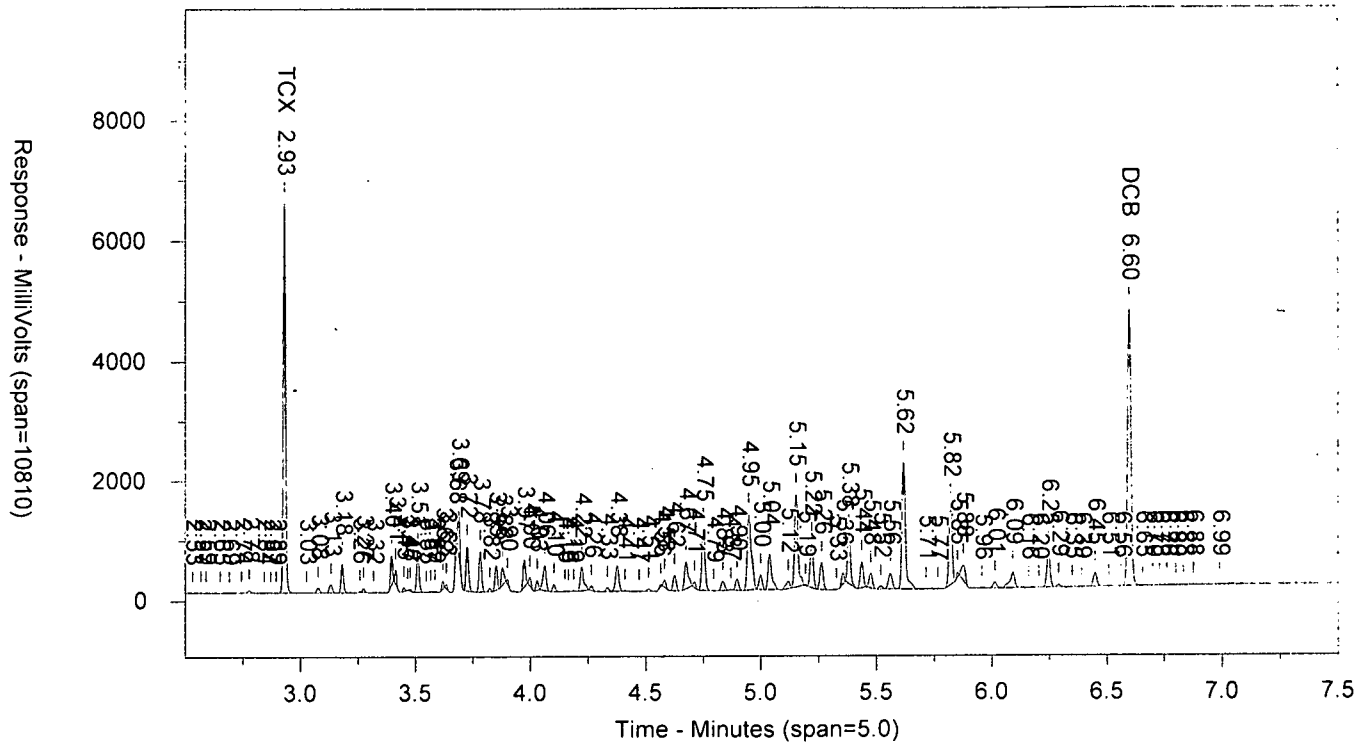


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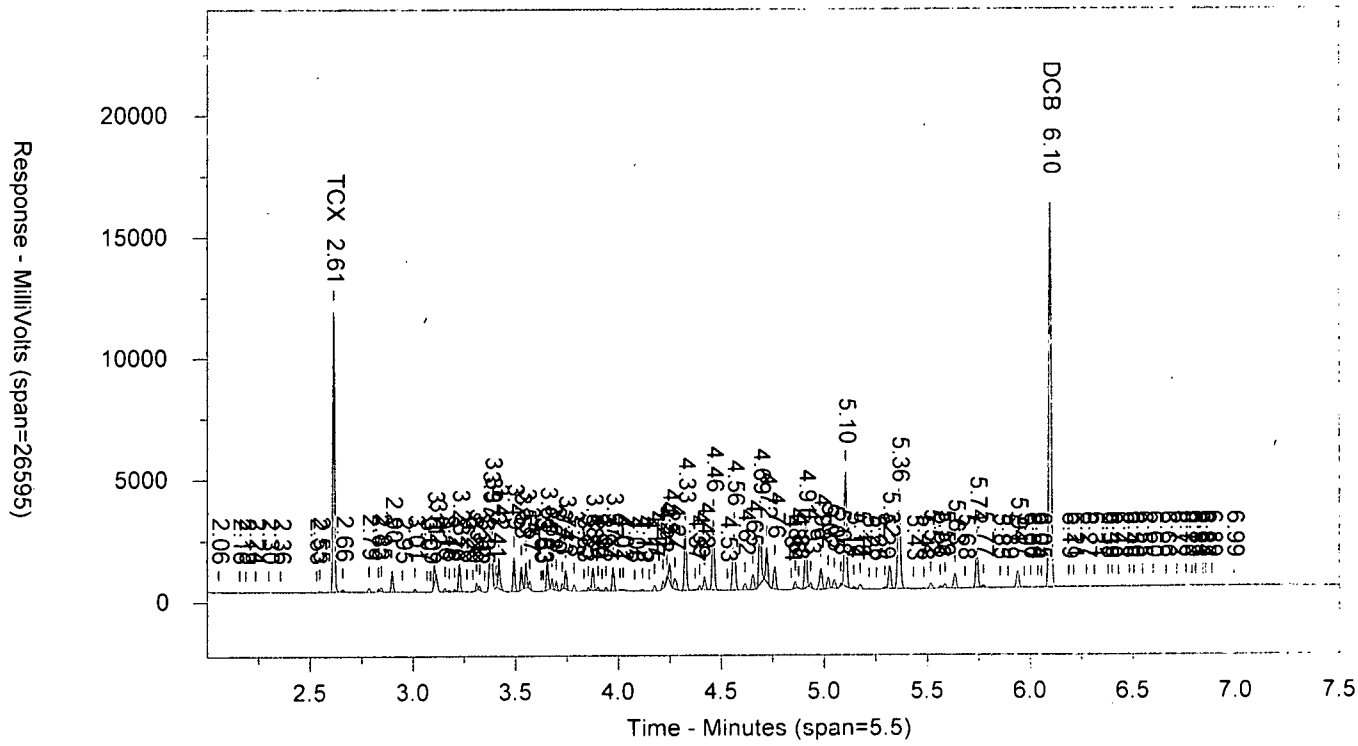
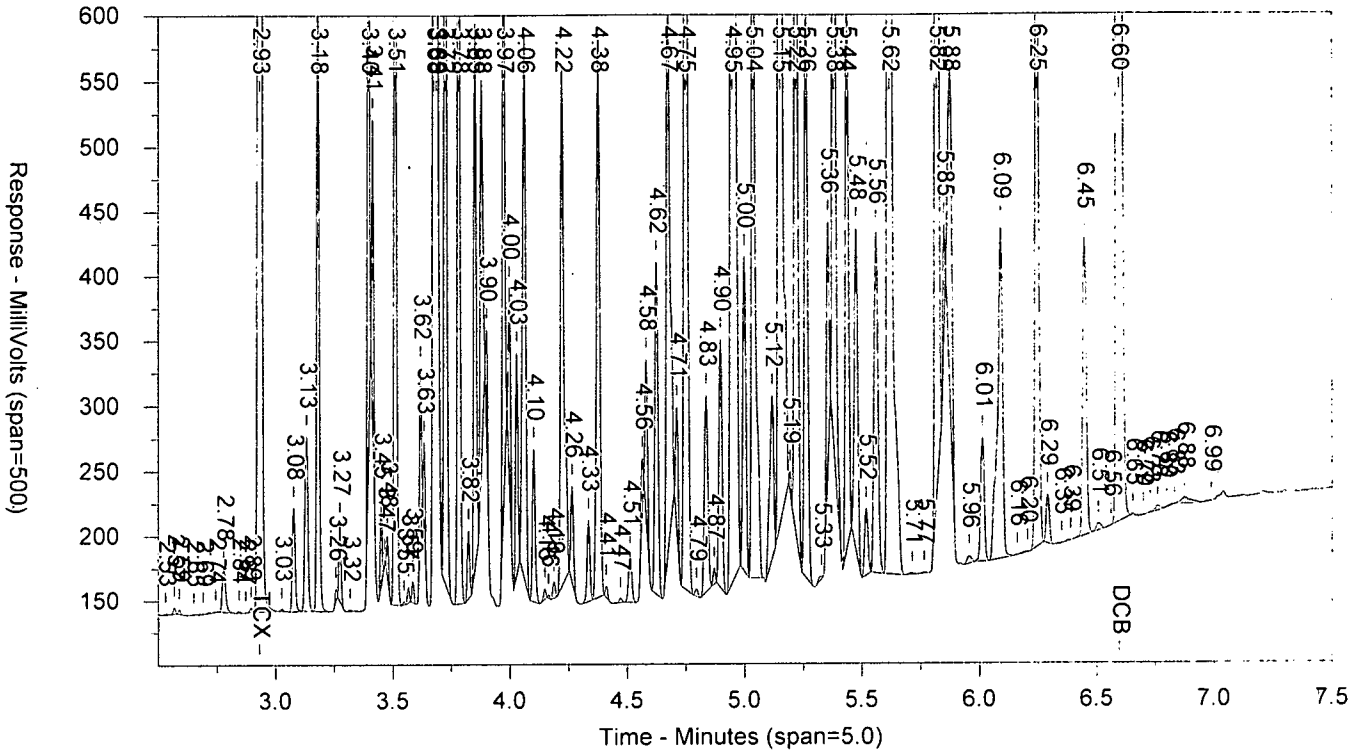


IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.032.RAW

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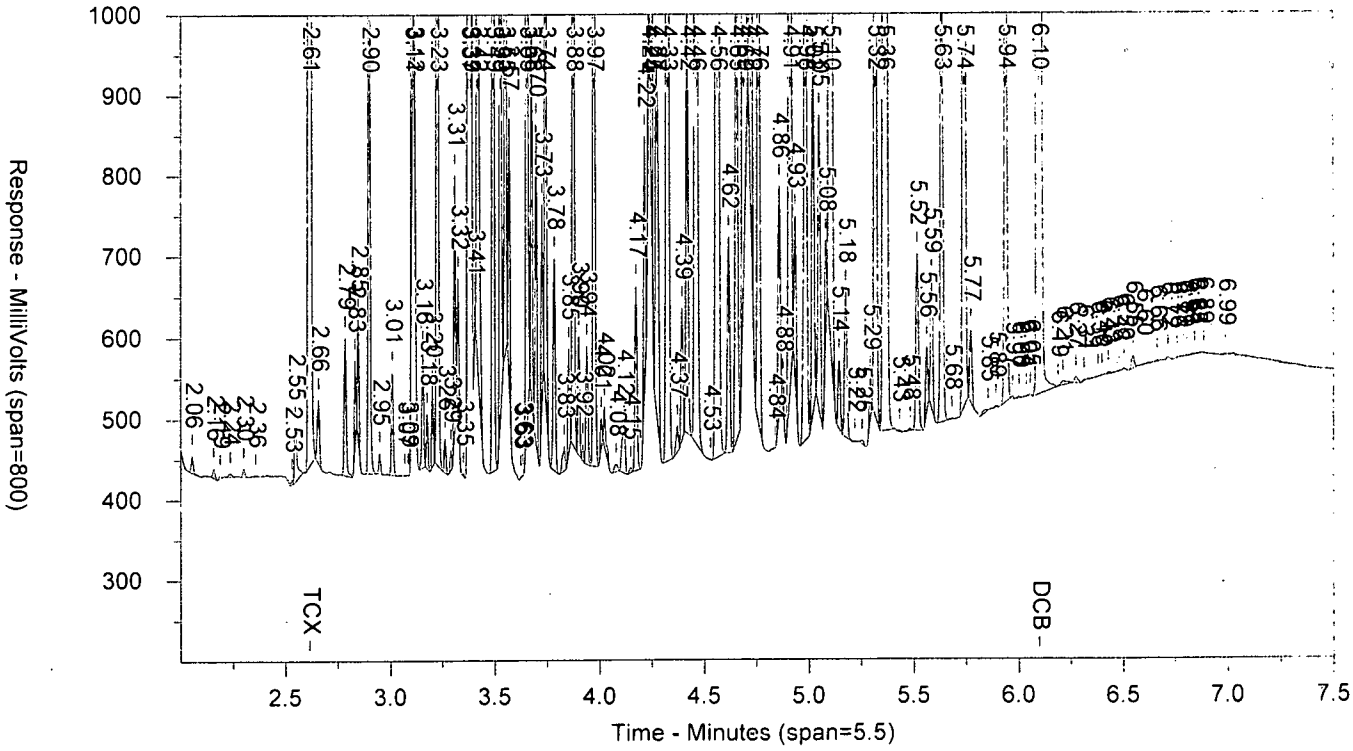


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.01 | | 522 | 228 |
| 2.036 | | 7599 | 7848 |
| 2.085 | | 15256 | 31173 |
| 2.232 | | 25666 | 20280 |
| 2.337 | | 12143 | 13259 |
| 2.368 | | 2568 | 2708 |
| 2.428 | | 561 | 1004 |
| 2.49 | | 6079 | 7535 |
| 2.533 | | 1272 | 1084 |
| 2.564 | | 735 | 474 |
| 2.589 | | 3580 | 2507 |
| 2.653 | | 952 | 1311 |
| 2.745 | | 1273 | 1819 |
| 2.778 | | 24160 | 23206 |
| 2.848 | | 546 | 445 |
| 2.894 | | 3758 | 3412 |
| 2.931 | TCX | 5789752 | 4063471 |
| 3.028 | | 1684 | 1048 |
| 3.078 | | 10790 | 10312 |
| 3.127 | | 76352 | 55325 |
| 3.18 | | 64514 | 44907 |
| 3.221 | | 412 | 197 |
| 3.258 | | 12671 | 6983 |
| 3.274 | | 11309 | 6141 |
| 3.395 | | 228972 | 141629 |
| 3.412 | | 60726 | 31561 |
| 3.449 | | 16169 | 9568 |
| 3.464 | | 1164 | 413 |
| 3.51 | | 224146 | 174673 |
| 3.566 | | 11321 | 6544 |
| 3.584 | | 4416 | 2361 |
| 3.603 | | 894 | 410 |
| 3.619 | | 42071 | 24644 |
| 3.633 | | 9163 | 4162 |
| 3.677 | | 206062 | 113781 |
| 3.687 | | 230351 | 106564 |
| 3.724 | | 285621 | 227415 |
| 3.781 | | 339737 | 262472 |
| 3.823 | | 48993 | 33627 |
| 3.851 | | 542789 | 411875 |
| 3.877 | | 347016 | 267473 |
| 3.899 | | 97617 | 55650 |
| 3.926 | | 2491 | 1630 |
| 3.973 | | 646257 | 476129 |
| 3.997 | | 187841 | 119696 |
| 4.028 | | 231751 | 166633 |
| 4.062 | | 566398 | 531874 |
| 4.101 | | 183573 | 157578 |
| 4.148 | | 19454 | 18655 |
| 4.187 | | 63152 | 47496 |
| 4.22 | | 442290 | 298792 |
| 4.239 | | 596984 | 366697 |
| 4.262 | | 652831 | 509550 |
| 4.333 | | 58214 | 54100 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.367 | | 420110 | 354739 |
| 4.386 | | 145751 | 77711 |
| 4.409 | | 153508 | 111710 |
| 4.451 | | 8933 | 6083 |
| 4.472 | | 36203 | 27044 |
| 4.512 | | 187536 | 177100 |
| 4.564 | | 263378 | 239536 |
| 4.595 | | 153223 | 120164 |
| 4.624 | | 460817 | 406780 |
| 4.674 | | 4717 | 3240 |
| 4.706 | | 184625 | 177241 |
| 4.75 | | 35130 | 44994 |
| 4.795 | | 49637 | 44672 |
| 4.836 | | 335085 | 323687 |
| 4.87 | | 7725 | 5356 |
| 4.915 | | 32791 | 39859 |
| 4.961 | | 53940 | 91559 |
| 5.032 | | 351735 | 347926 |
| 5.08 | | 8169 | 6354 |
| 5.112 | | 21203 | 23400 |
| 5.152 | | 84529 | 77002 |
| 5.174 | | 4610 | 2005 |
| 5.191 | | 5271 | 3333 |
| 5.22 | | 3303 | 2904 |
| 5.261 | | 1832 | 1944 |
| 5.293 | | 505 | 230 |
| 5.321 | | 14482 | 18414 |
| 5.358 | | 30570 | 25034 |
| 5.38 | | 4985 | 3052 |
| 5.439 | | 2668 | 2339 |
| 5.475 | | 2680 | 3561 |
| 5.516 | | 15875 | 15502 |
| 5.556 | | 17838 | 16017 |
| 5.581 | | 2809 | 1919 |
| 5.616 | | 7283 | 5520 |
| 5.641 | | 42845 | 49782 |
| 5.705 | | 453 | 112 |
| 5.736 | | 288 | 469 |
| 5.755 | | 391 | 244 |
| 5.774 | | 429 | 148 |
| 5.82 | | 11754 | 11045 |
| 5.879 | | 2429 | 4322 |
| 5.954 | | 17653 | 26007 |
| 6.012 | | 64699 | 63130 |
| 6.075 | | 65666 | 78400 |
| 6.143 | | 1135 | 1654 |
| 6.24 | | 17894 | 27000 |
| 6.283 | | 924 | 766 |
| 6.314 | | 614 | 363 |
| 6.378 | | 1029 | 1136 |
| 6.419 | | 1134 | 1107 |
| 6.448 | | 48387 | 50721 |
| 6.507 | | 15548 | 22877 |
| 6.544 | | 610 | 244 |
| 6.596 | DCB | 4424416 | 4549546 |
| 6.65 | | 604 | 294 |
| 6.727 | | 207 | 432 |
| 6.763 | | 11901 | 17709 |
| 6.822 | | 353 | 450 |
| 6.837 | | 660 | 191 |
| 6.855 | | 660 | 308 |
| 6.879 | | 3000 | 3959 |
| 6.946 | | 705 | 268 |
| 6.985 | | 714 | 370 |

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

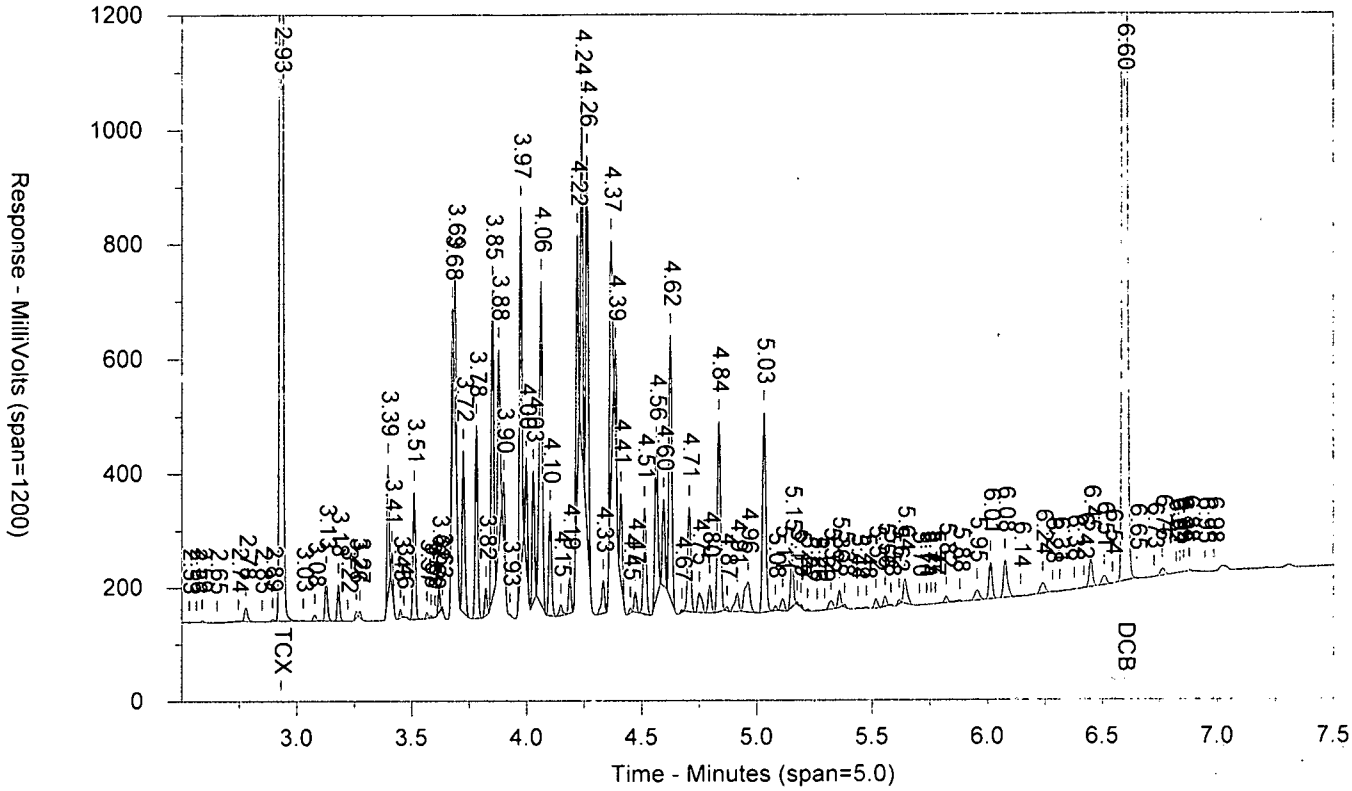
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 18940 | 12161 |
| 2.12 | | 1501 | 1693 |
| 2.158 | | 12865 | 10528 |
| 2.207 | | 2405 | 6493 |
| 2.236 | | 4357 | 5535 |
| 2.355 | | 3083 | 4213 |
| 2.414 | | 2212 | 2099 |
| 2.468 | | 5279 | 34188 |
| 2.533 | | 6834 | 5443 |
| 2.548 | | 44434 | 41442 |
| 2.615 | TCX | 10871620 | 6201414 |
| 2.658 | | 6413 | 3355 |
| 2.755 | | 2053 | 1013 |
| 2.786 | | 26621 | 22655 |
| 2.833 | | 138652 | 94779 |
| 2.899 | | 124847 | 74423 |
| 2.949 | | 25668 | 16237 |
| 3.009 | | 33108 | 20492 |
| 3.066 | | 976 | 532 |
| 3.086 | | 376 | 60 |
| 3.105 | | 353489 | 182369 |
| 3.116 | | 49407 | 17738 |
| 3.156 | | 38071 | 21768 |
| 3.178 | | 12191 | 7585 |
| 3.204 | | 10946 | 5572 |
| 3.227 | | 405998 | 276444 |
| 3.264 | | 15095 | 8739 |
| 3.291 | | 23726 | 12311 |
| 3.31 | | 95580 | 51212 |
| 3.325 | | 32061 | 15027 |
| 3.35 | | 2172 | 1200 |
| 3.375 | | 446992 | 203585 |
| 3.384 | | 505242 | 207144 |
| 3.404 | | 102034 | 41139 |
| 3.418 | | 427894 | 261256 |
| 3.492 | | 679241 | 437058 |
| 3.527 | | 1255610 | 755556 |
| 3.55 | | 1164373 | 637412 |
| 3.568 | | 397021 | 202528 |
| 3.635 | | 1089 | 3090 |
| 3.654 | | 1589082 | 999608 |
| 3.676 | | 489966 | 270214 |
| 3.697 | | 531550 | 311777 |
| 3.726 | | 235443 | 119912 |
| 3.743 | | 1141708 | 682668 |
| 3.783 | | 429822 | 305503 |
| 3.831 | | 88959 | 74399 |
| 3.853 | | 943075 | 583297 |
| 3.876 | | 2120996 | 1322890 |
| 3.9 | | 1650393 | 996263 |
| 3.919 | | 117359 | 54174 |
| 3.938 | | 126677 | 73213 |
| 3.974 | | 653226 | 449964 |
| 4.008 | | 1182319 | 875097 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.036 | | 620469 | 341990 |
| 4.083 | | 87792 | 65932 |
| 4.118 | | 390235 | 285162 |
| 4.148 | | 6066 | 4086 |
| 4.174 | | 664551 | 503774 |
| 4.206 | | 399608 | 281404 |
| 4.234 | | 1048257 | 766377 |
| 4.271 | | 17271 | 16670 |
| 4.327 | | 406678 | 396000 |
| 4.362 | | 110519 | 78945 |
| 4.394 | | 621651 | 465662 |
| 4.417 | | 15969 | 8169 |
| 4.434 | | 10287 | 5760 |
| 4.461 | | 73522 | 47543 |
| 4.486 | | 58452 | 41108 |
| 4.559 | | 96302 | 97270 |
| 4.612 | | 688214 | 554040 |
| 4.661 | | 36656 | 48210 |
| 4.691 | | 151157 | 150523 |
| 4.737 | | 20410 | 12958 |
| 4.76 | | 3836 | 2757 |
| 4.819 | | 1025 | 1515 |
| 4.833 | | 3520 | 2395 |
| 4.86 | | 1058 | 435 |
| 4.876 | | 8636 | 6233 |
| 4.91 | | 8476 | 5835 |
| 4.934 | | 66602 | 66700 |
| 5.018 | | 8249 | 21115 |
| 5.054 | | 27353 | 20490 |
| 5.082 | | 29731 | 21007 |
| 5.104 | | 14213 | 8991 |
| 5.123 | | 4944 | 2870 |
| 5.176 | | 63117 | 53412 |
| 5.247 | | 11001 | 18364 |
| 5.317 | | 14786 | 39395 |
| 5.36 | | 20017 | 21945 |
| 5.404 | | 625 | 473 |
| 5.437 | | 1119 | 885 |
| 5.465 | | 983 | 323 |
| 5.488 | | 1118 | 393 |
| 5.517 | | 140650 | 134755 |
| 5.584 | | 148636 | 149617 |
| 5.634 | | 31212 | 26837 |
| 5.686 | | 663 | 642 |
| 5.718 | | 1150 | 389 |
| 5.741 | | 7271 | 6636 |
| 5.796 | | 11463 | 16899 |
| 5.837 | | 3977 | 7016 |
| 5.871 | | 1294 | 554 |
| 5.89 | | 2554 | 2408 |
| 5.938 | | 135535 | 113297 |
| 5.968 | | 3662 | 2707 |
| 6.006 | | 2530 | 3101 |
| 6.042 | | 6800 | 9976 |
| 6.097 | DCB | 14141110 | 12141200 |
| 6.214 | | 4953 | 9483 |
| 6.274 | | 3569 | 5720 |
| 6.321 | | 2249 | 3700 |
| 6.339 | | 916 | 416 |
| 6.376 | | 830 | 362 |
| 6.413 | | 1240 | 819 |
| 6.431 | | 2151 | 1286 |
| 6.479 | | 880 | 798 |
| 6.492 | | 1085 | 448 |
| 6.545 | | 17378 | 16797 |
| 6.581 | | 974 | 792 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.629 | | 1117 | 1211 |
| 6.649 | | 1227 | 787 |
| 6.665 | | 1251 | 857 |
| 6.718 | | 3921 | 5546 |
| 6.804 | | 1558 | 10665 |
| 6.86 | | 1278 | 1526 |
| 6.869 | | 1310 | 715 |
| 6.895 | | 1289 | 368 |
| 6.915 | | 1820 | 3898 |
| 6.995 | | 1031 | 1996 |

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.033.RAW

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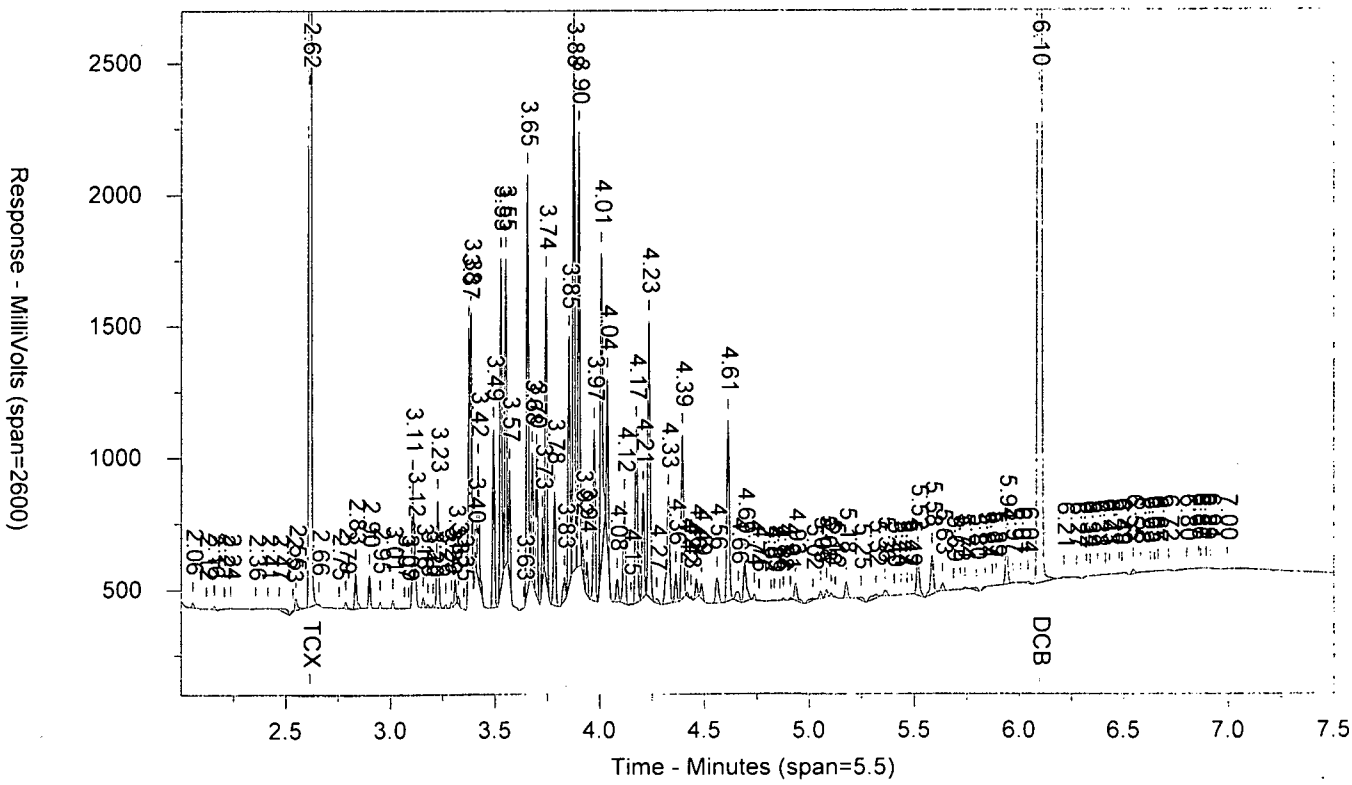


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

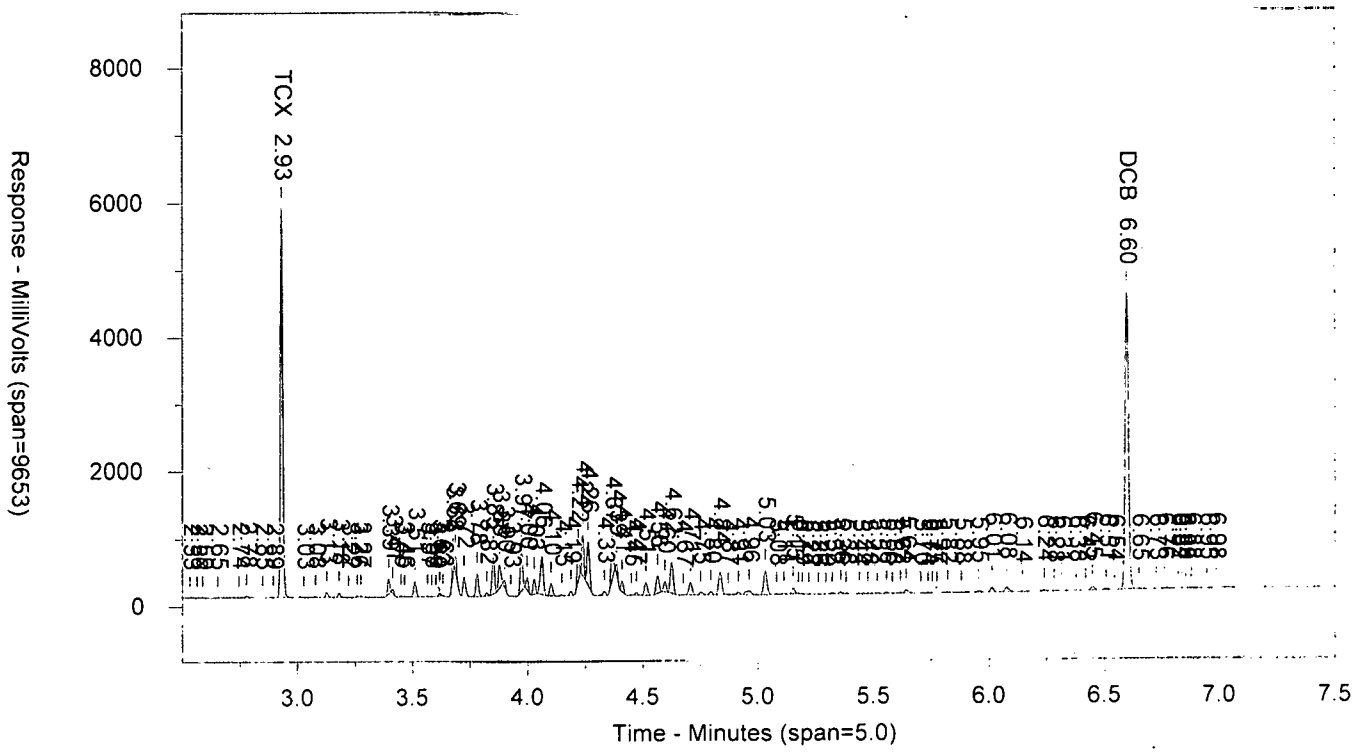
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 5789752 | 39.471 | TCX | 2.615 | 10871620 | 40.862 | TCX |
| 6.596 | 4424416 | 38.724 | DCB | 6.097 | 14141110 | 38.195 | DCB |

Files:
Area File: 25PCBs17289001.033.RAW
Area File: 25PCBs17289001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:53:34 AM
File Reported On: 10/17/2017 at 12:53:47 AM

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.033.RAW

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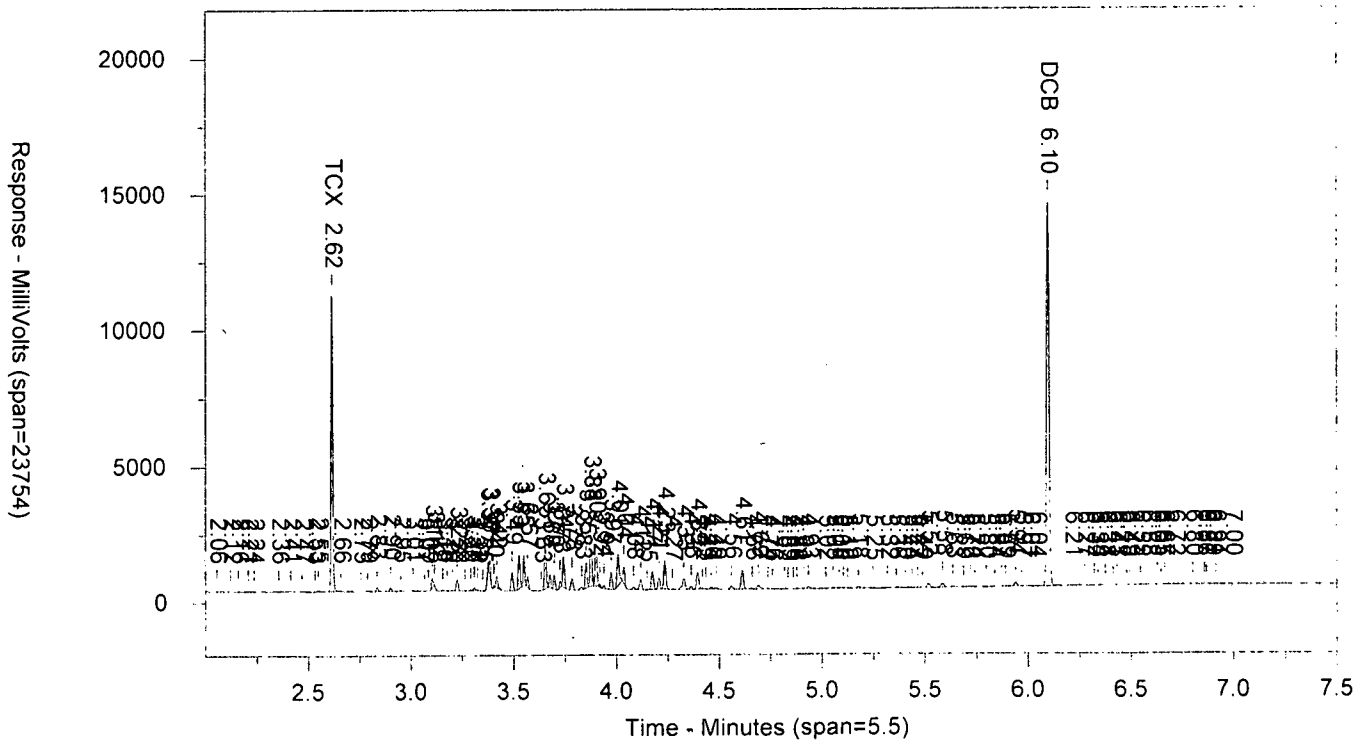

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

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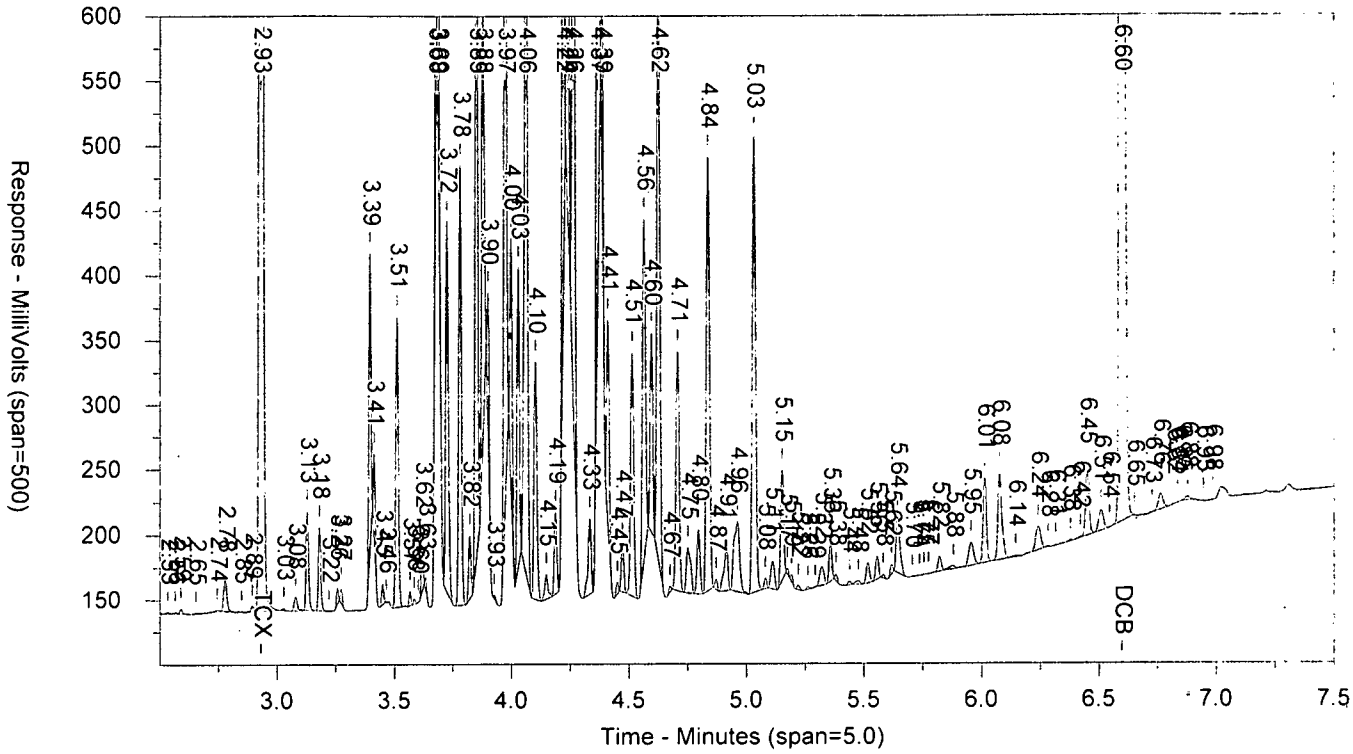


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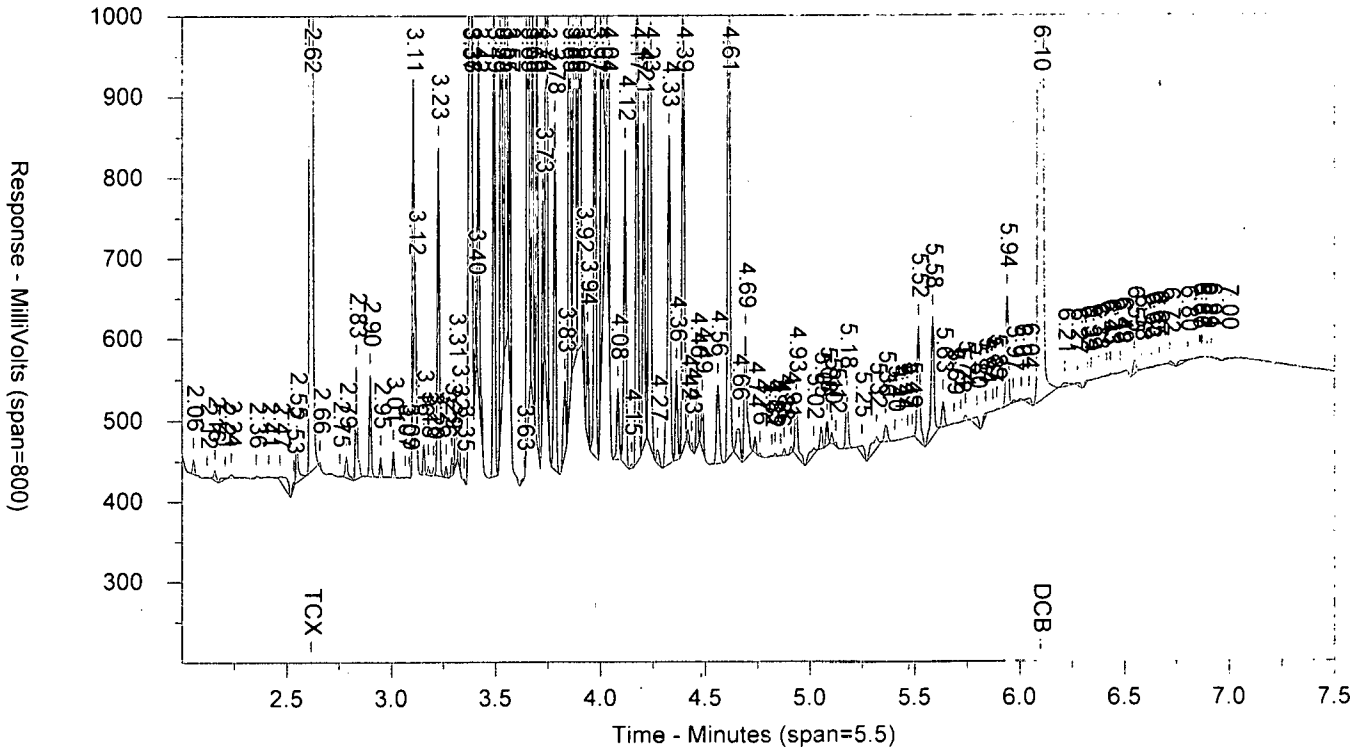


LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.013 | | 425 | 166 |
| 2.036 | | 6280 | 6638 |
| 2.086 | | 7773 | 16071 |
| 2.231 | | 13723 | 11951 |
| 2.33 | | 17207 | 14716 |
| 2.365 | | 1744 | 2698 |
| 2.49 | | 4653 | 5494 |
| 2.531 | | 1433 | 1380 |
| 2.566 | | 545 | 573 |
| 2.59 | | 938 | 767 |
| 2.655 | | 728 | 722 |
| 2.708 | | 592 | 563 |
| 2.747 | | 1216 | 1609 |
| 2.778 | | 12355 | 10929 |
| 2.896 | | 3161 | 2969 |
| 2.93 | TCX | 3009563 | 2091481 |
| 3.028 | | 1006 | 586 |
| 3.049 | | 440 | 189 |
| 3.078 | | 2471 | 2745 |
| 3.127 | | 37931 | 26499 |
| 3.18 | | 10549 | 7268 |
| 3.257 | | 9995 | 9076 |
| 3.336 | | 363 | 568 |
| 3.395 | | 14276 | 8480 |
| 3.411 | | 4905 | 2571 |
| 3.449 | | 721 | 406 |
| 3.465 | | 2572 | 1963 |
| 3.509 | | 15992 | 12886 |
| 3.538 | | 854 | 519 |
| 3.566 | | 6327 | 3714 |
| 3.585 | | 3898 | 2020 |
| 3.601 | | 717 | 314 |
| 3.618 | | 2496 | 1208 |
| 3.633 | | 1328 | 755 |
| 3.676 | | 15362 | 8304 |
| 3.687 | | 8927 | 6718 |
| 3.724 | | 27643 | 20562 |
| 3.78 | | 18891 | 15735 |
| 3.822 | | 2701 | 1619 |
| 3.851 | | 544331 | 412106 |
| 3.877 | | 134407 | 113961 |
| 3.925 | | 2583 | 1889 |
| 3.973 | | 342059 | 270930 |
| 3.996 | | 16832 | 9382 |
| 4.028 | | 30638 | 22824 |
| 4.062 | | 153861 | 130983 |
| 4.101 | | 28552 | 23944 |
| 4.136 | | 3068 | 3002 |
| 4.164 | | 3909 | 2225 |
| 4.186 | | 27958 | 20221 |
| 4.221 | | 748222 | 515029 |
| 4.238 | | 235066 | 131594 |
| 4.265 | | 235889 | 193557 |
| 4.333 | | 234304 | 200249 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.374 | | 1211395 | 1331033 |
| 4.409 | | 470216 | 384641 |
| 4.449 | | 17269 | 10942 |
| 4.471 | | 84672 | 66901 |
| 4.513 | | 444816 | 411027 |
| 4.563 | | 863743 | 751553 |
| 4.594 | | 199782 | 131749 |
| 4.624 | | 1717229 | 1534725 |
| 4.674 | | 77787 | 55619 |
| 4.688 | | 15998 | 6126 |
| 4.707 | | 213652 | 163287 |
| 4.75 | | 539833 | 559593 |
| 4.795 | | 123661 | 108709 |
| 4.835 | | 1274062 | 1176629 |
| 4.866 | | 20939 | 12651 |
| 4.896 | | 138521 | 170723 |
| 4.947 | | 660866 | 1069056 |
| 4.998 | | 15006 | 10937 |
| 5.032 | | 930967 | 972050 |
| 5.081 | | 105102 | 83152 |
| 5.105 | | 89776 | 136232 |
| 5.152 | | 1231020 | 1102318 |
| 5.172 | | 42156 | 20285 |
| 5.191 | | 39283 | 23586 |
| 5.219 | | 45665 | 36805 |
| 5.261 | | 52902 | 63051 |
| 5.356 | | 378149 | 326335 |
| 5.38 | | 85479 | 61157 |
| 5.411 | | 2435 | 1133 |
| 5.436 | | 53641 | 47429 |
| 5.476 | | 47225 | 43541 |
| 5.515 | | 11746 | 10785 |
| 5.555 | | 272677 | 239894 |
| 5.581 | | 36738 | 24245 |
| 5.616 | | 198711 | 221199 |
| 5.719 | | 1185 | 1947 |
| 5.774 | | 560 | 513 |
| 5.819 | | 179815 | 167573 |
| 5.85 | | 27223 | 25105 |
| 5.918 | | 792 | 852 |
| 5.955 | | 2386 | 2810 |
| 6.012 | | 28200 | 28851 |
| 6.076 | | 28906 | 46943 |
| 6.204 | | 482 | 789 |
| 6.245 | | 12593 | 13379 |
| 6.289 | | 1461 | 1978 |
| 6.328 | | 587 | 658 |
| 6.341 | | 587 | 131 |
| 6.402 | | 196 | 1457 |
| 6.423 | | 456 | 422 |
| 6.449 | | 24175 | 23731 |
| 6.506 | | 2888 | 2940 |
| 6.597 | DCB | 2298111 | 2330953 |
| 6.69 | | 614 | 256 |
| 6.703 | | 740 | 334 |
| 6.762 | | 868 | 307 |
| 6.825 | | 753 | 188 |
| 6.879 | | 3816 | 8233 |
| 6.978 | | 392 | 190 |
| 6.992 | | 715 | 443 |

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

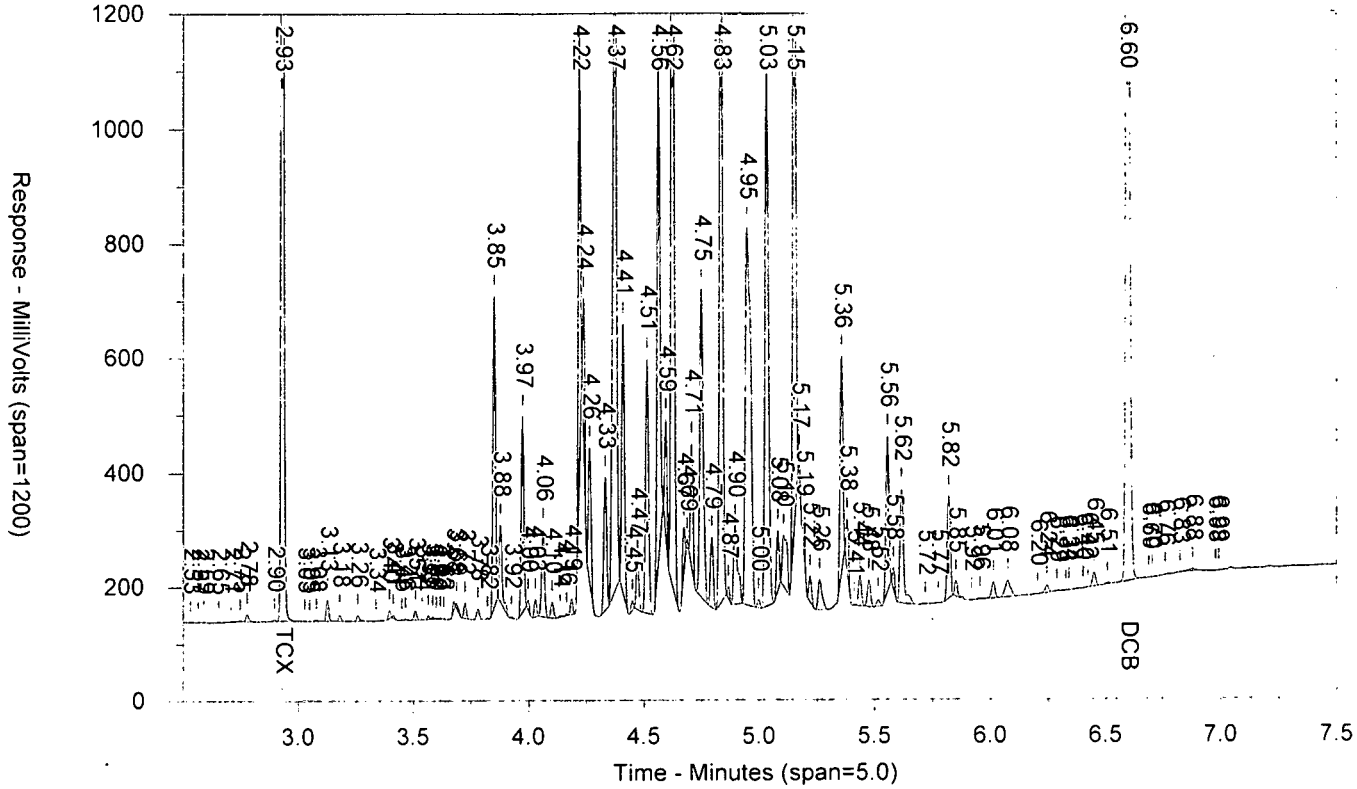
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.055 | | 10016 | 7410 |
| 2.123 | | 1639 | 2337 |
| 2.188 | | 2829 | 2624 |
| 2.235 | | 3859 | 4257 |
| 2.362 | | 2088 | 2329 |
| 2.414 | | 2248 | 2266 |
| 2.493 | | 9631 | 17470 |
| 2.547 | | 33085 | 52413 |
| 2.592 | | 1176 | 584 |
| 2.615 | TCX | 5591041 | 3211067 |
| 2.7 | | 2313 | 4041 |
| 2.785 | | 4945 | 6002 |
| 2.832 | | 75145 | 47853 |
| 2.898 | | 20280 | 13976 |
| 2.948 | | 13673 | 7985 |
| 2.983 | | 1919 | 1548 |
| 3.008 | | 3448 | 2689 |
| 3.071 | | 913 | 241 |
| 3.079 | | 1042 | 265 |
| 3.106 | | 23834 | 11814 |
| 3.116 | | 7572 | 2561 |
| 3.156 | | 3134 | 1462 |
| 3.18 | | 7632 | 5604 |
| 3.204 | | 1452 | 671 |
| 3.227 | | 29840 | 19095 |
| 3.264 | | 12078 | 6717 |
| 3.291 | | 14896 | 7920 |
| 3.31 | | 6353 | 3253 |
| 3.326 | | 6144 | 3151 |
| 3.351 | | 3562 | 1907 |
| 3.375 | | 34270 | 16618 |
| 3.384 | | 19159 | 7560 |
| 3.404 | | 20952 | 9519 |
| 3.418 | | 36862 | 24728 |
| 3.452 | | 2592 | 1519 |
| 3.492 | | 43087 | 28264 |
| 3.527 | | 1197019 | 735859 |
| 3.55 | | 362237 | 202103 |
| 3.568 | | 39775 | 18615 |
| 3.629 | | 1602 | 1045 |
| 3.653 | | 786298 | 489179 |
| 3.676 | | 60146 | 31776 |
| 3.697 | | 79195 | 50515 |
| 3.726 | | 19674 | 9438 |
| 3.742 | | 305998 | 190288 |
| 3.783 | | 73757 | 52015 |
| 3.823 | | 60411 | 48702 |
| 3.853 | | 267939 | 155153 |
| 3.875 | | 2971719 | 1936390 |
| 3.9 | | 312793 | 171573 |
| 3.919 | | 286529 | 158257 |
| 3.938 | | 529118 | 320836 |
| 3.973 | | 2691350 | 1829764 |
| 4.005 | | 1003713 | 614533 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.022 | | 583885 | 312382 |
| 4.082 | | 204577 | 150103 |
| 4.117 | | 955737 | 729006 |
| 4.174 | | 2175221 | 1586505 |
| 4.206 | | 587061 | 433440 |
| 4.234 | | 3875798 | 2876029 |
| 4.271 | | 263034 | 255640 |
| 4.325 | | 1792050 | 1477527 |
| 4.361 | | 264755 | 203118 |
| 4.394 | | 2475739 | 1772792 |
| 4.418 | | 373139 | 227174 |
| 4.46 | | 1467959 | 1121182 |
| 4.486 | | 75107 | 43143 |
| 4.559 | | 1236914 | 1274424 |
| 4.612 | | 1821520 | 1419756 |
| 4.651 | | 420557 | 353839 |
| 4.69 | | 2731036 | 2581739 |
| 4.737 | | 195153 | 120871 |
| 4.76 | | 85839 | 58604 |
| 4.819 | | 30896 | 33934 |
| 4.859 | | 5356 | 3259 |
| 4.876 | | 124029 | 95949 |
| 4.91 | | 127988 | 88570 |
| 4.933 | | 819561 | 638756 |
| 4.983 | | 95342 | 80197 |
| 5.018 | | 84688 | 67711 |
| 5.05 | | 53865 | 43649 |
| 5.081 | | 420258 | 307227 |
| 5.103 | | 252037 | 171812 |
| 5.121 | | 41583 | 21052 |
| 5.144 | | 7403 | 3844 |
| 5.174 | | 29878 | 26379 |
| 5.218 | | 1078 | 539 |
| 5.239 | | 2679 | 4022 |
| 5.295 | | 1067 | 1378 |
| 5.317 | | 14434 | 11385 |
| 5.359 | | 374558 | 363799 |
| 5.407 | | 533 | 351 |
| 5.422 | | 870 | 481 |
| 5.479 | | 1279 | 2608 |
| 5.489 | | 837 | 293 |
| 5.516 | | 59045 | 52297 |
| 5.562 | | 17704 | 11378 |
| 5.584 | | 53729 | 41355 |
| 5.634 | | 28152 | 23932 |
| 5.677 | | 1444 | 470 |
| 5.74 | | 24794 | 22193 |
| 5.797 | | 2320 | 4541 |
| 5.831 | | 1386 | 786 |
| 5.869 | | 1610 | 2689 |
| 5.938 | | 67419 | 56260 |
| 5.969 | | 2194 | 1387 |
| 6.004 | | 2448 | 3013 |
| 6.035 | | 915 | 395 |
| 6.058 | | 1395 | 1357 |
| 6.096 | DCB | 7190871 | 6103242 |
| 6.215 | | 4304 | 6485 |
| 6.275 | | 2347 | 2172 |
| 6.314 | | 1280 | 965 |
| 6.349 | | 1475 | 765 |
| 6.359 | | 1804 | 543 |
| 6.38 | | 1176 | 771 |
| 6.405 | | 1772 | 1392 |
| 6.435 | | 1054 | 1162 |
| 6.485 | | 1289 | 1320 |
| 6.495 | | 1052 | 316 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.546 | | 8433 | 8049 |
| 6.609 | | 679 | 1257 |
| 6.668 | | 962 | 494 |
| 6.705 | | 915 | 804 |
| 6.723 | | 1905 | 1827 |
| 6.788 | | 854 | 2755 |
| 6.808 | | 1031 | 873 |
| 6.854 | | 708 | 1163 |
| 6.897 | | 1444 | 3066 |
| 6.988 | | 1585 | 1578 |

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.034.RAW

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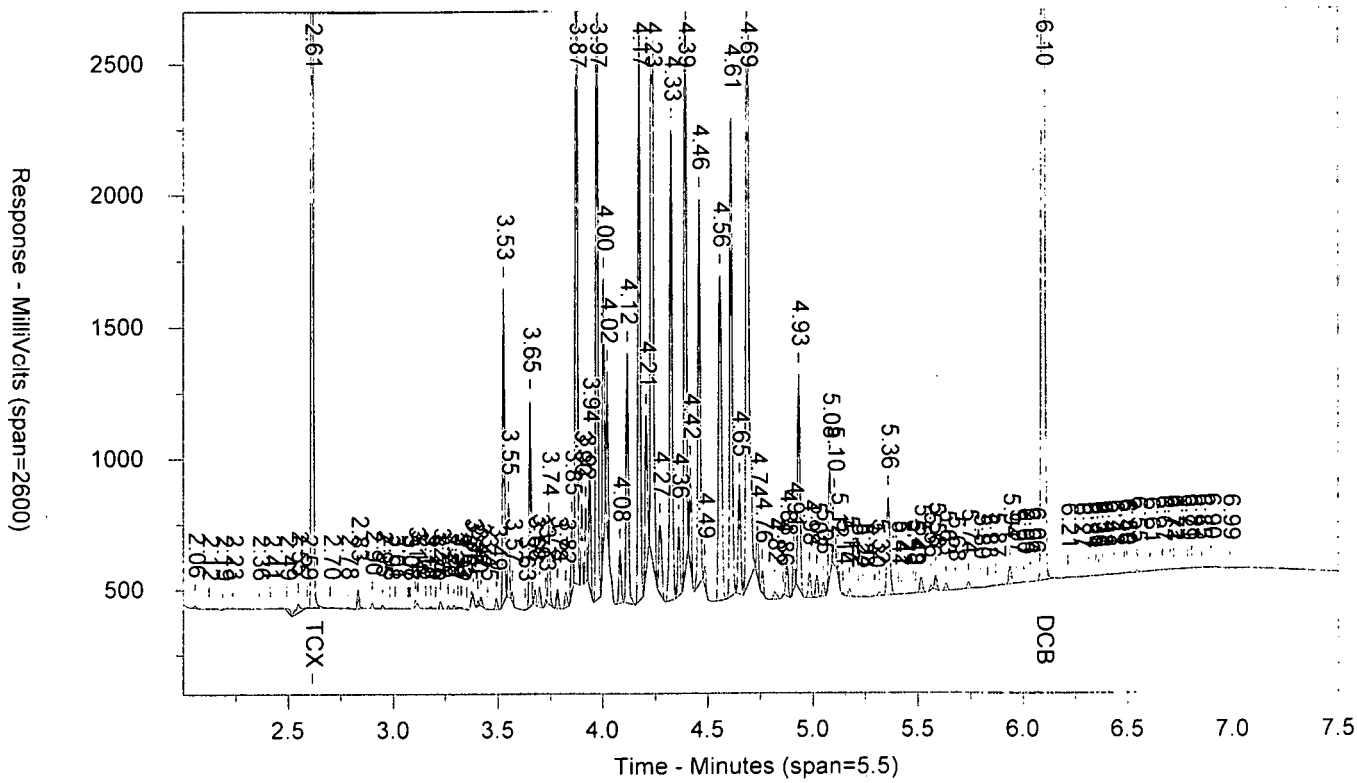

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 3009563 | 20.517 | TCX | 2.615 | 5591041 | 21.014 | TCX |
| 6.597 | 2298111 | 20.114 | DCB | 6.096 | 7190871 | 19.423 | DCB |

Files:
Area File: 25PCBs17289001.034.RAW
Area File: 25PCBs17289001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 1:04:51 AM
File Reported On: 10/17/2017 at 1:05:05 AM

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

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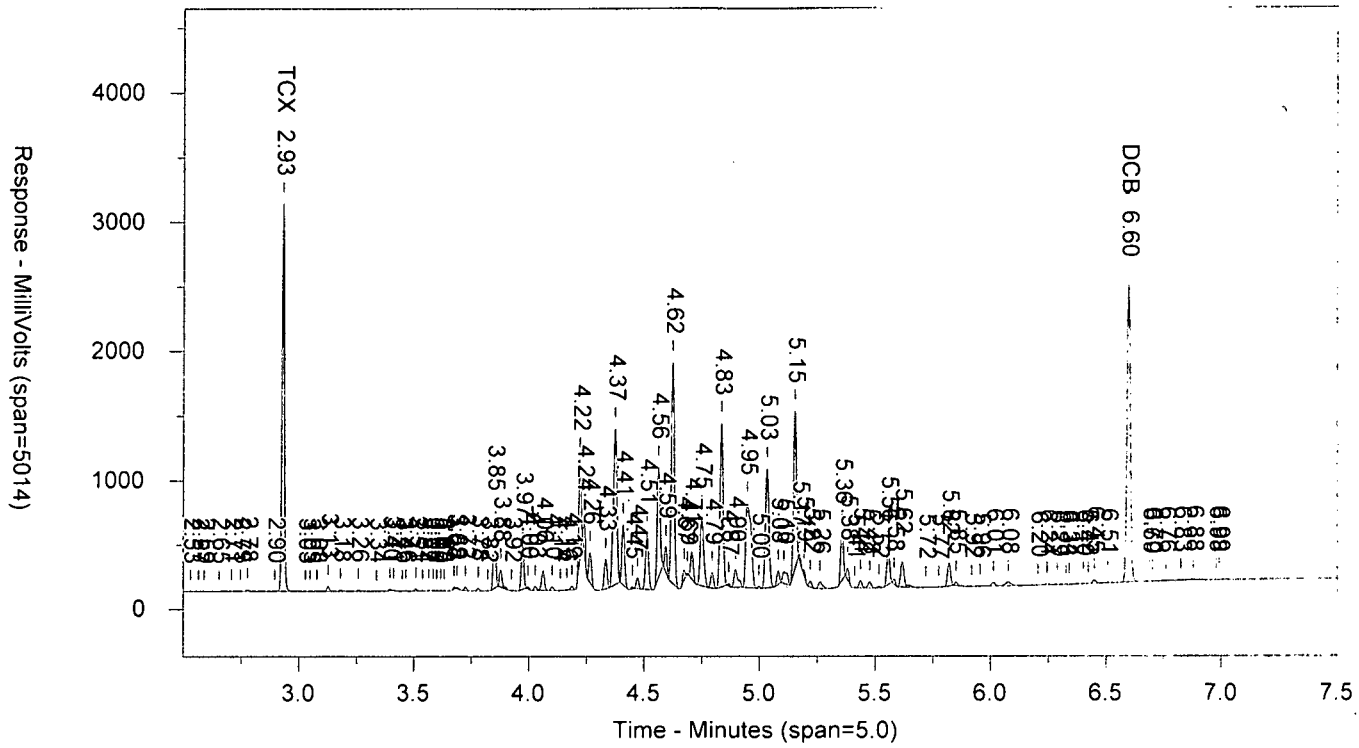


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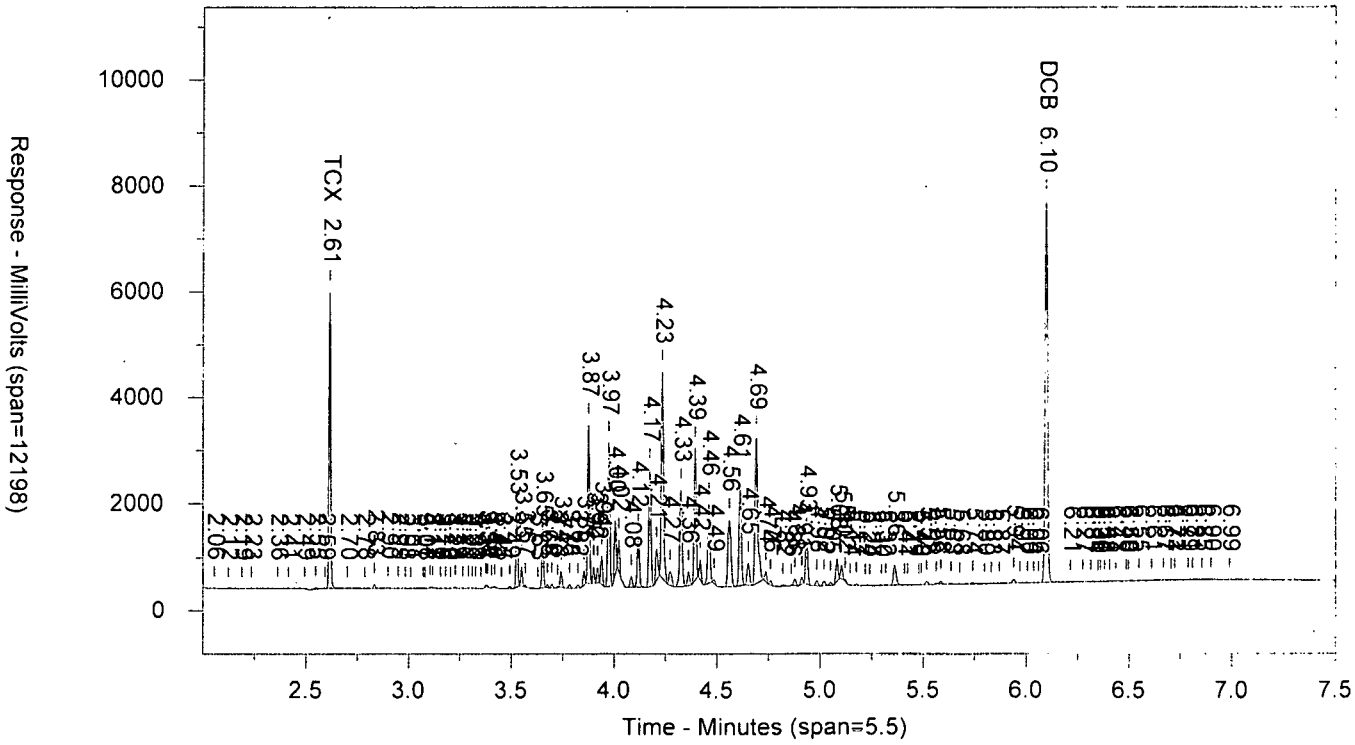

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

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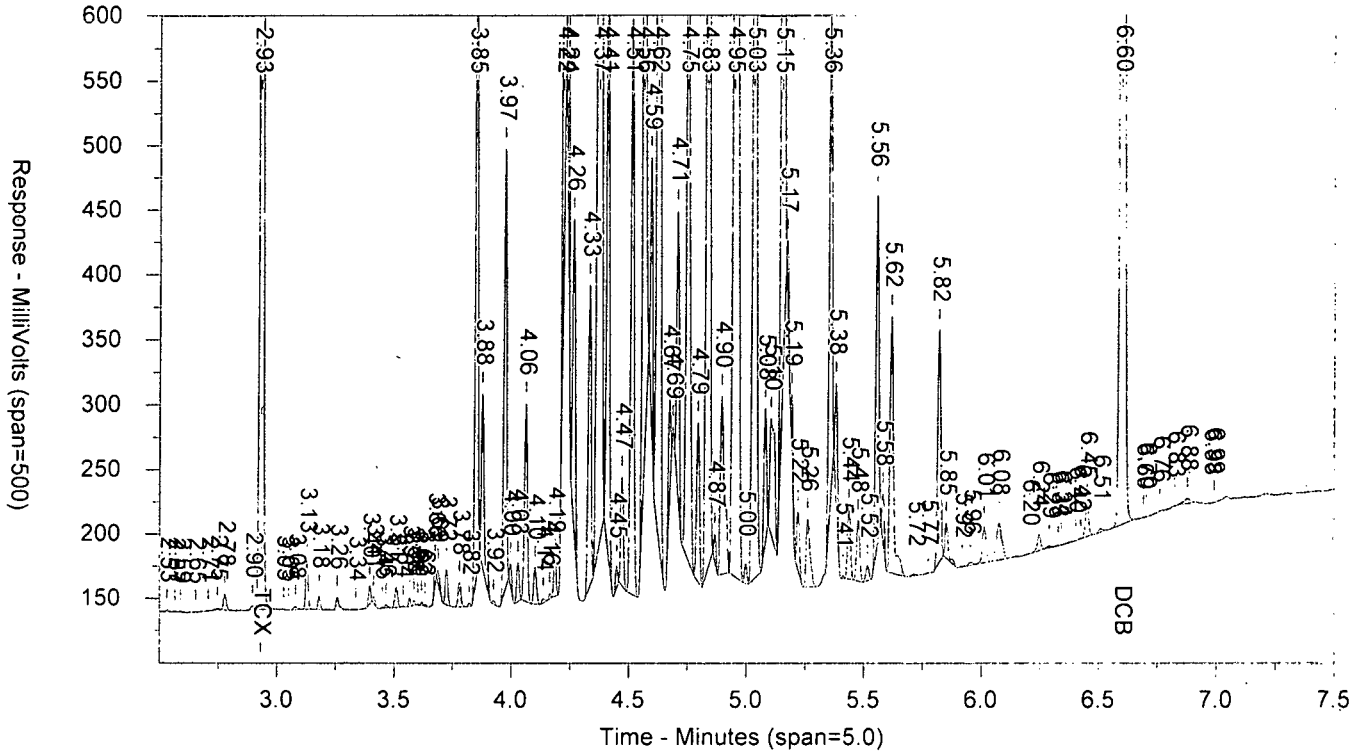


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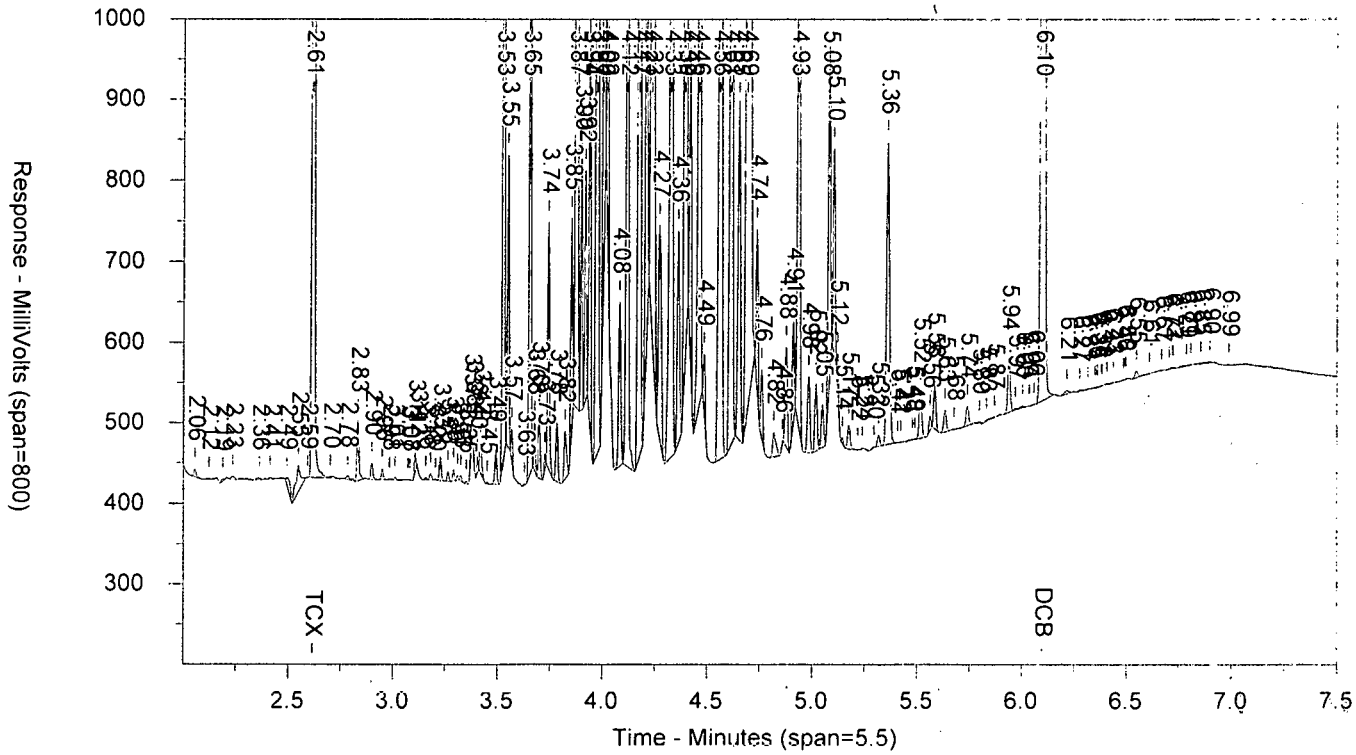

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0045.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.582 | | 31664 | 30892 |
| 1.607 | | 22981 | 31234 |
| 1.645 | | 5098 | 14120 |
| 1.778 | | 1635 | 1379 |
| 2.089 | | 24194 | 92649 |
| 2.175 | | 4508 | 7968 |
| 2.234 | | 52629 | 37446 |
| 2.282 | | 2153 | 1031 |
| 2.333 | | 15604 | 8311 |
| 2.499 | | 17166 | 21345 |
| 2.543 | | 12772 | 11857 |
| 2.574 | | 11765 | 9831 |
| 2.785 | | 35161 | 35780 |
| 2.863 | | 12534 | 18804 |
| 2.898 | | 8288 | 6891 |
| 2.936 | TCX | 10997100 | 7115207 |
| 3.036 | | 4360 | 2124 |
| 3.085 | | 145482 | 124863 |
| 3.14 | | 238567 | 227534 |
| 3.188 | | 915854 | 647327 |
| 3.264 | | 24204 | 14119 |
| 3.281 | | 113811 | 71451 |
| 3.402 | | 962175 | 575846 |
| 3.418 | | 492102 | 261822 |
| 3.455 | | 119361 | 68592 |
| 3.471 | | 16949 | 5854 |
| 3.482 | | 83482 | 42045 |
| 3.515 | | 1154171 | 836196 |
| 3.551 | | 5100 | 2491 |
| 3.571 | | 56133 | 33260 |
| 3.591 | | 33977 | 19109 |
| 3.624 | | 289864 | 158197 |
| 3.639 | | 148309 | 73920 |
| 3.681 | | 675569 | 347007 |
| 3.692 | | 1176790 | 563602 |
| 3.729 | | 1419056 | 1033970 |
| 3.788 | | 1193675 | 900998 |
| 3.829 | | 99267 | 69363 |
| 3.857 | | 863917 | 608239 |
| 3.883 | | 614792 | 491064 |
| 3.905 | | 181683 | 92531 |
| 3.979 | | 941871 | 659627 |
| 4.003 | | 350050 | 230943 |
| 4.034 | | 380013 | 269037 |
| 4.068 | | 1024485 | 957512 |
| 4.107 | | 317544 | 255070 |
| 4.154 | | 48103 | 40878 |
| 4.193 | | 63119 | 45627 |
| 4.227 | | 908082 | 666988 |
| 4.246 | | 236846 | 128784 |
| 4.269 | | 295376 | 225928 |
| 4.339 | | 158631 | 133591 |
| 4.382 | | 1011869 | 953461 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.415 | | 29985 | 19239 |
| 4.476 | | 8188 | 6090 |
| 4.52 | | 68364 | 59577 |
| 4.57 | | 127401 | 81430 |
| 4.587 | | 254256 | 173385 |
| 4.631 | | 617744 | 560777 |
| 4.68 | | 953843 | 1072188 |
| 4.717 | | 228634 | 156703 |
| 4.756 | | 1942770 | 1830583 |
| 4.801 | | 6576 | 4019 |
| 4.842 | | 301643 | 318587 |
| 4.873 | | 16098 | 9398 |
| 4.902 | | 348128 | 319544 |
| 4.954 | | 1979144 | 2455260 |
| 5.005 | | 404665 | 370660 |
| 5.046 | | 912050 | 1012200 |
| 5.088 | | 6604 | 2753 |
| 5.126 | | 184843 | 224962 |
| 5.159 | | 2407425 | 2169514 |
| 5.182 | | 97663 | 52018 |
| 5.2 | | 27126 | 11466 |
| 5.226 | | 1421065 | 1308234 |
| 5.269 | | 904236 | 846639 |
| 5.363 | | 333397 | 273257 |
| 5.388 | | 1281260 | 1141257 |
| 5.445 | | 676553 | 638058 |
| 5.484 | | 425205 | 416424 |
| 5.526 | | 77287 | 78597 |
| 5.567 | | 530341 | 587534 |
| 5.625 | | 4061724 | 4331772 |
| 5.786 | | 105430 | 195810 |
| 5.829 | | 2453599 | 2293152 |
| 5.86 | | 179254 | 111564 |
| 5.884 | | 589705 | 664280 |
| 5.966 | | 2073 | 1011 |
| 6.02 | | 78808 | 70033 |
| 6.098 | | 401996 | 637636 |
| 6.159 | | 1767855 | 4434616 |
| 6.254 | | 927645 | 936953 |
| 6.299 | | 55388 | 46852 |
| 6.384 | | 2447 | 1467 |
| 6.454 | | 300453 | 370827 |
| 6.565 | | 3341 | 5491 |
| 6.6 | DCB | 6429736 | 6382200 |
| 6.75 | | 8685 | 11192 |
| 6.846 | | 4108368 | 13717610 |
| 6.993 | | 20499 | 46948 |
| 7.117 | | 1754 | 2763 |
| 7.293 | | 2170 | 3353 |
| 7.386 | | 2385 | 4596 |
| 7.423 | | 3574 | 6936 |
| 7.481 | | 883 | 474 |
| 7.602 | | 1292 | 428 |
| 7.67 | | 2467 | 3915 |
| 7.753 | | 1613 | 522 |
| 7.839 | | 2120 | 3792 |
| 7.963 | | 934 | 319 |
| 8.028 | | 1661 | 5734 |
| 8.108 | | 1061 | 628 |
| 8.153 | | 2240 | 1850 |
| 8.276 | | 2067 | 497 |
| 8.405 | | 1680 | 1836 |
| 8.659 | | 1937 | 6917 |

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0045.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.533 | | 2149 | 3515 |
| 1.749 | | 8507 | 12323 |
| 1.8 | | 8927 | 17933 |
| 1.851 | | 10532 | 31500 |
| 1.903 | | 106449 | 94270 |
| 1.966 | | 13010 | 33786 |
| 2.03 | | 33797 | 27087 |
| 2.162 | | 4162 | 5120 |
| 2.276 | | 14236 | 8522 |
| 2.385 | | 6083 | 6328 |
| 2.507 | | 8011 | 11517 |
| 2.526 | | 58333 | 52785 |
| 2.592 | TCX | 15642930 | 9771291 |
| 2.635 | | 71994 | 36351 |
| 2.763 | | 257175 | 175167 |
| 2.809 | | 156324 | 75189 |
| 2.824 | | 238488 | 124789 |
| 2.876 | | 1306199 | 859590 |
| 2.926 | | 42673 | 26170 |
| 2.987 | | 180546 | 120117 |
| 3.084 | | 1673399 | 1682253 |
| 3.135 | | 211168 | 126082 |
| 3.156 | | 87735 | 48261 |
| 3.182 | | 151742 | 83762 |
| 3.206 | | 1639191 | 1090143 |
| 3.242 | | 57596 | 34192 |
| 3.269 | | 73705 | 37115 |
| 3.289 | | 404977 | 215095 |
| 3.304 | | 244696 | 119359 |
| 3.354 | | 652435 | 344469 |
| 3.363 | | 1833397 | 804013 |
| 3.383 | | 51781 | 18546 |
| 3.397 | | 1638555 | 1109949 |
| 3.47 | | 1778823 | 1101081 |
| 3.506 | | 1209963 | 751992 |
| 3.529 | | 1248329 | 691273 |
| 3.546 | | 401088 | 205288 |
| 3.631 | | 1472527 | 952322 |
| 3.653 | | 546539 | 293589 |
| 3.674 | | 512404 | 306428 |
| 3.703 | | 325148 | 170424 |
| 3.72 | | 1242995 | 750965 |
| 3.761 | | 445686 | 321304 |
| 3.809 | | 54206 | 45628 |
| 3.831 | | 321557 | 191382 |
| 3.852 | | 1647782 | 1052302 |
| 3.877 | | 341729 | 202553 |
| 3.896 | | 55542 | 25668 |
| 3.916 | | 205211 | 130263 |
| 3.951 | | 1286643 | 908133 |
| 3.985 | | 50709 | 29557 |
| 3.999 | | 97805 | 62739 |
| 4.048 | | 7766 | 4876 |
| 4.094 | | 79106 | 59856 |

| | | | |
|---|---|---|---|
| 4.15 | | 341198 | 246392 |
| 4.192 | | 366486 | 224582 |
| 4.211 | | 281556 | 144273 |
| 4.224 | | 949365 | 526523 |
| 4.25 | | 527766 | 526606 |
| 4.301 | | 2990578 | 2215595 |
| 4.35 | | 33734 | 22327 |
| 4.371 | | 262035 | 172551 |
| 4.395 | | 656428 | 483668 |
| 4.438 | | 3467569 | 2783645 |
| 4.539 | | 2621726 | 2634570 |
| 4.592 | | 342866 | 278655 |
| 4.63 | | 791814 | 668830 |
| 4.666 | | 3375958 | 2848078 |
| 4.699 | | 1838596 | 1297903 |
| 4.737 | | 1226317 | 977628 |
| 4.836 | | 385453 | 277251 |
| 4.853 | | 42162 | 21327 |
| 4.887 | | 2157195 | 1693584 |
| 4.909 | | 236125 | 144214 |
| 4.959 | | 1129850 | 1039402 |
| 4.995 | | 576818 | 454836 |
| 5.026 | | 438887 | 353834 |
| 5.059 | | 146665 | 94085 |
| 5.081 | | 5189687 | 4356368 |
| 5.122 | | 100345 | 72643 |
| 5.153 | | 184733 | 145722 |
| 5.273 | | 57595 | 38404 |
| 5.297 | | 1123863 | 925895 |
| 5.342 | | 3435031 | 3853880 |
| 5.459 | | 3856 | 2952 |
| 5.497 | | 101946 | 87581 |
| 5.544 | | 85206 | 63765 |
| 5.565 | | 56371 | 40405 |
| 5.615 | | 624820 | 545179 |
| 5.724 | | 1344956 | 1176814 |
| 5.755 | | 71309 | 49000 |
| 5.924 | | 441381 | 382322 |
| 5.99 | | 5423 | 6880 |
| 6.047 | | 1723 | 1194 |
| 6.084 | DCB | 11419170 | 10415980 |
| 6.259 | | 5453 | 4907 |
| 6.283 | | 5345 | 6221 |
| 6.378 | | 16134 | 30219 |
| 6.493 | | 7749 | 14008 |
| 6.53 | | 4939 | 4519 |
| 6.602 | | 2537 | 2910 |
| 6.685 | | 6034 | 15873 |
| 6.768 | | 6949 | 8427 |
| 6.821 | | 2384 | 2807 |
| 6.912 | | 5206 | 9503 |
| 7.182 | | 9214 | 24308 |
| 7.428 | | 1436 | 2211 |
| 7.591 | | 17388 | 52306 |
| 7.821 | | 27498 | 77716 |
| 7.965 | | 11680 | 36633 |
| 8.165 | | 9949 | 27992 |
| 8.526 | | 36408 | 140121 |

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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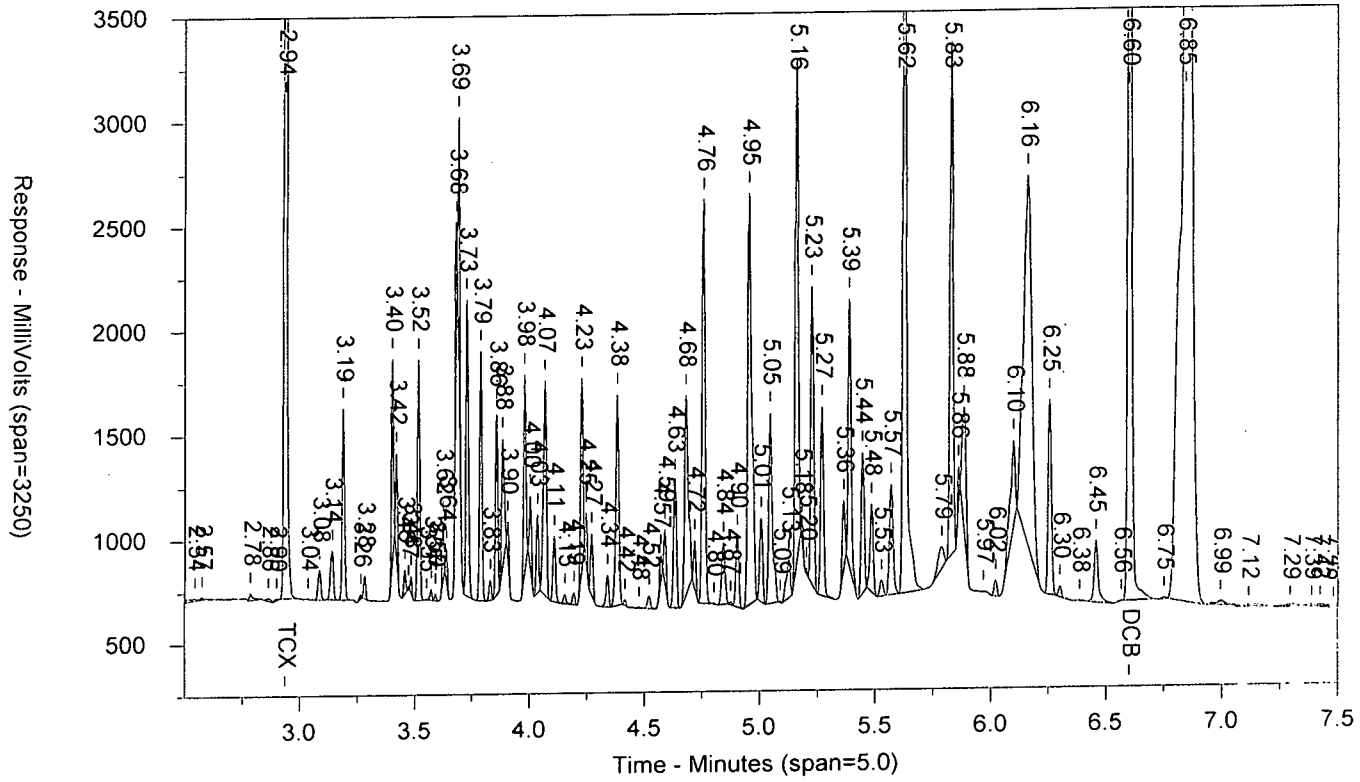


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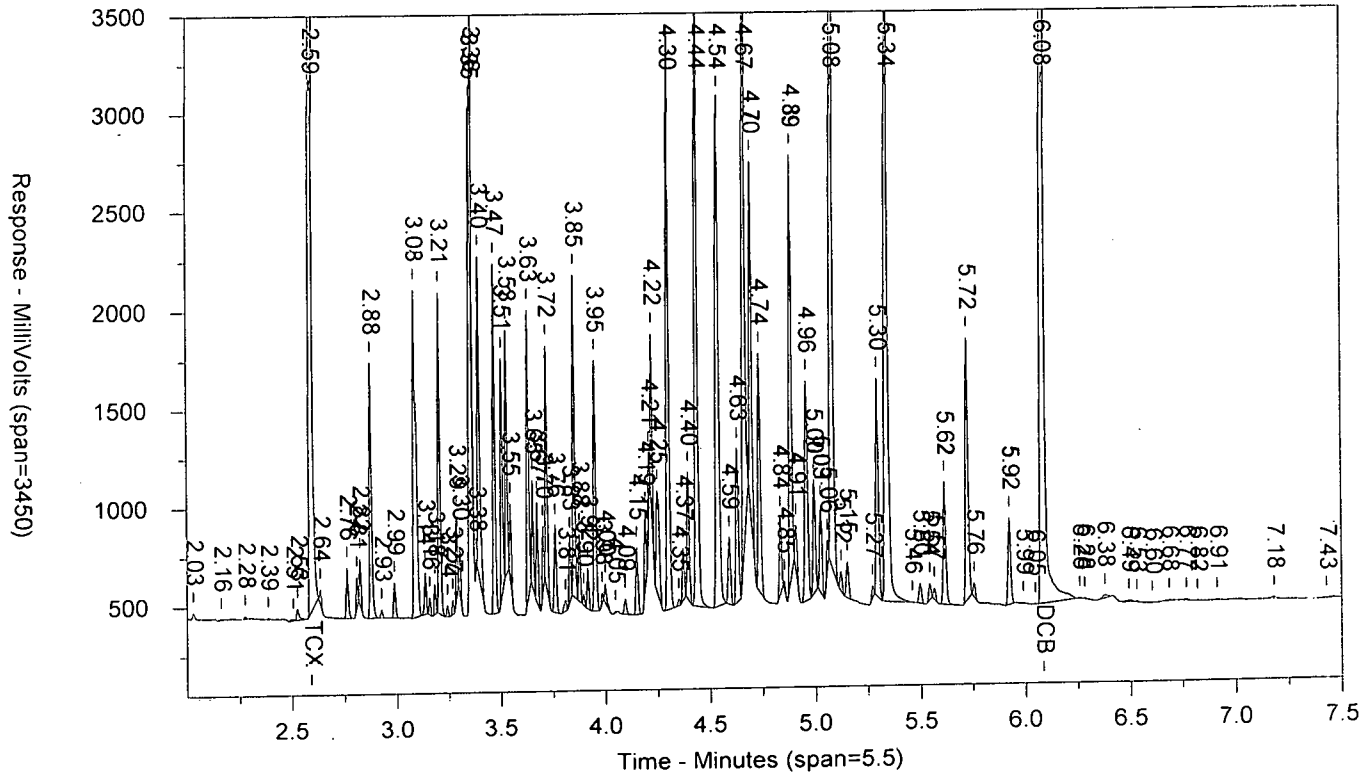

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 10997100 | 40.118 | TCX | 2.592 | 15642930 | 37.737 | TCX |
| 6.6 | 6429736 | 31.864 | DCB | 6.084 | 11419170 | 30.165 | DCB |

Files:
Area File: 07PCBS17284001.0045.RAW
Area File: 07PCBS17284001B.0045.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:29:24 AM

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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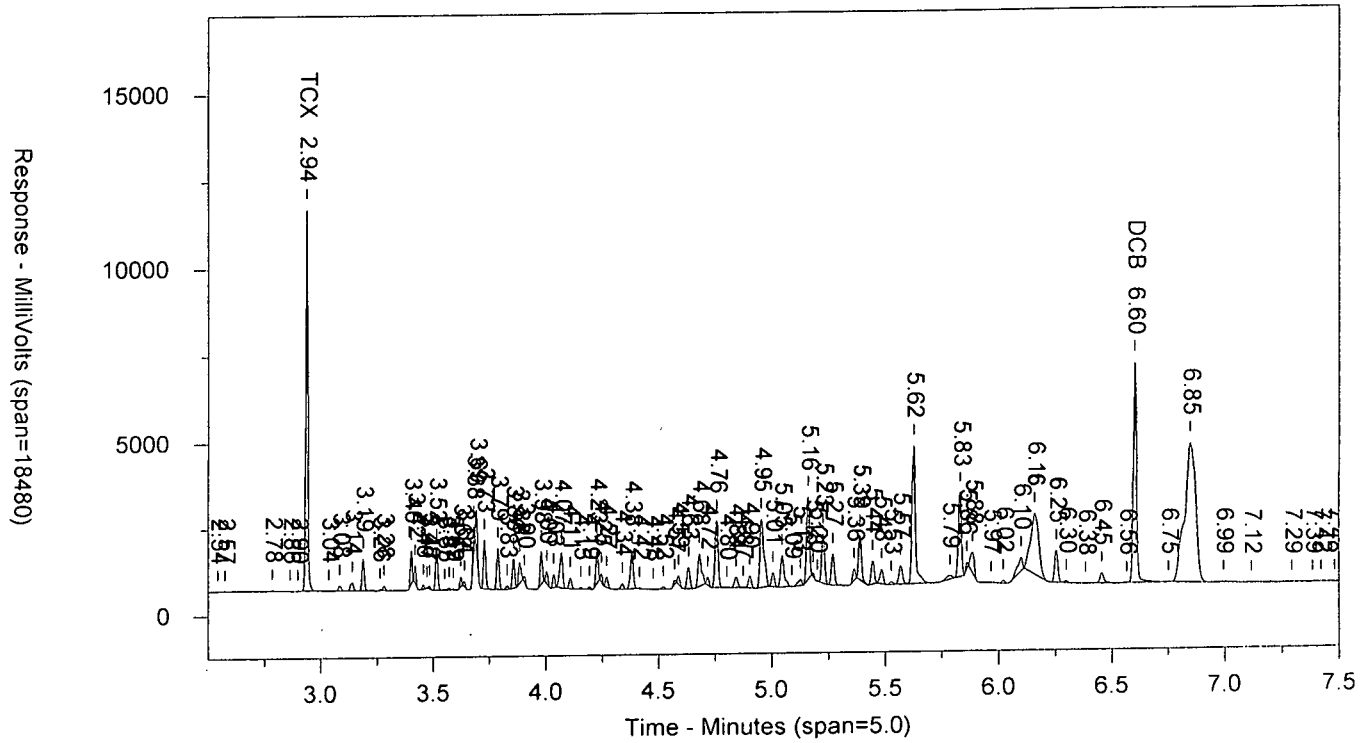


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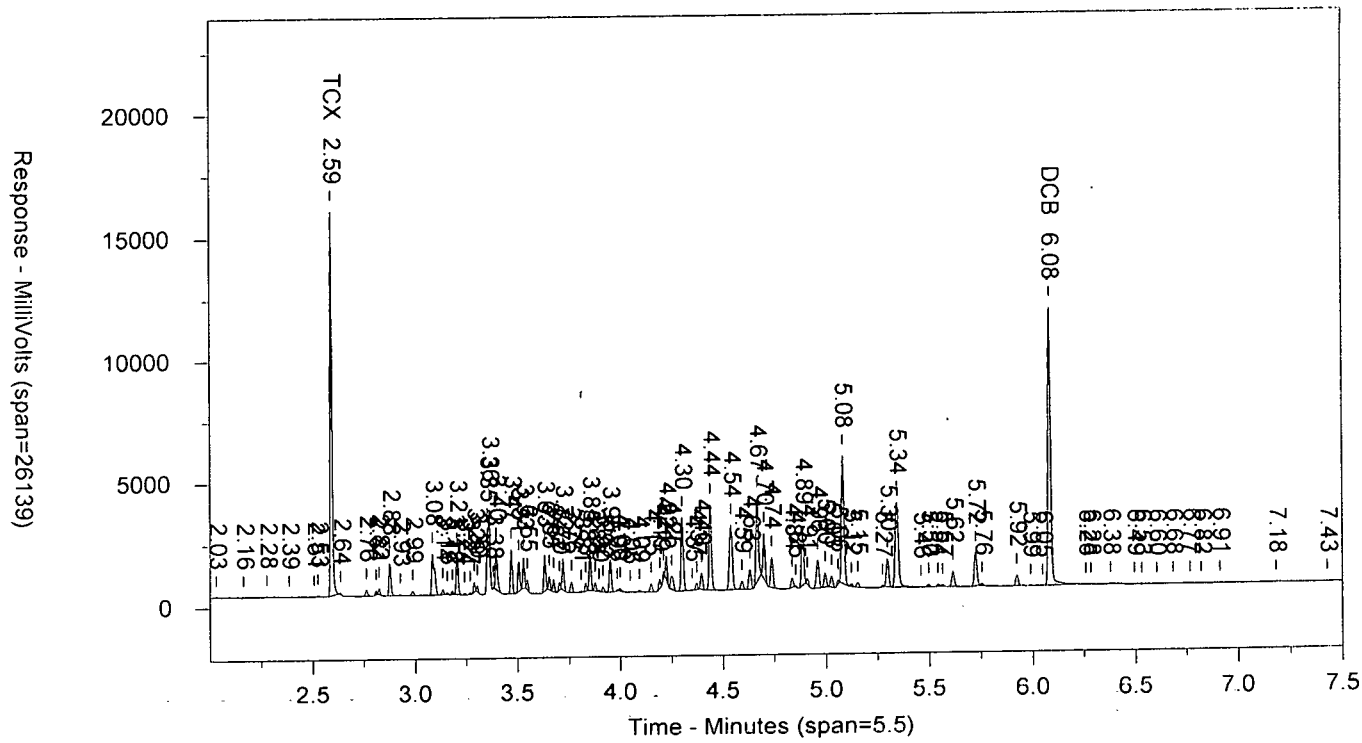

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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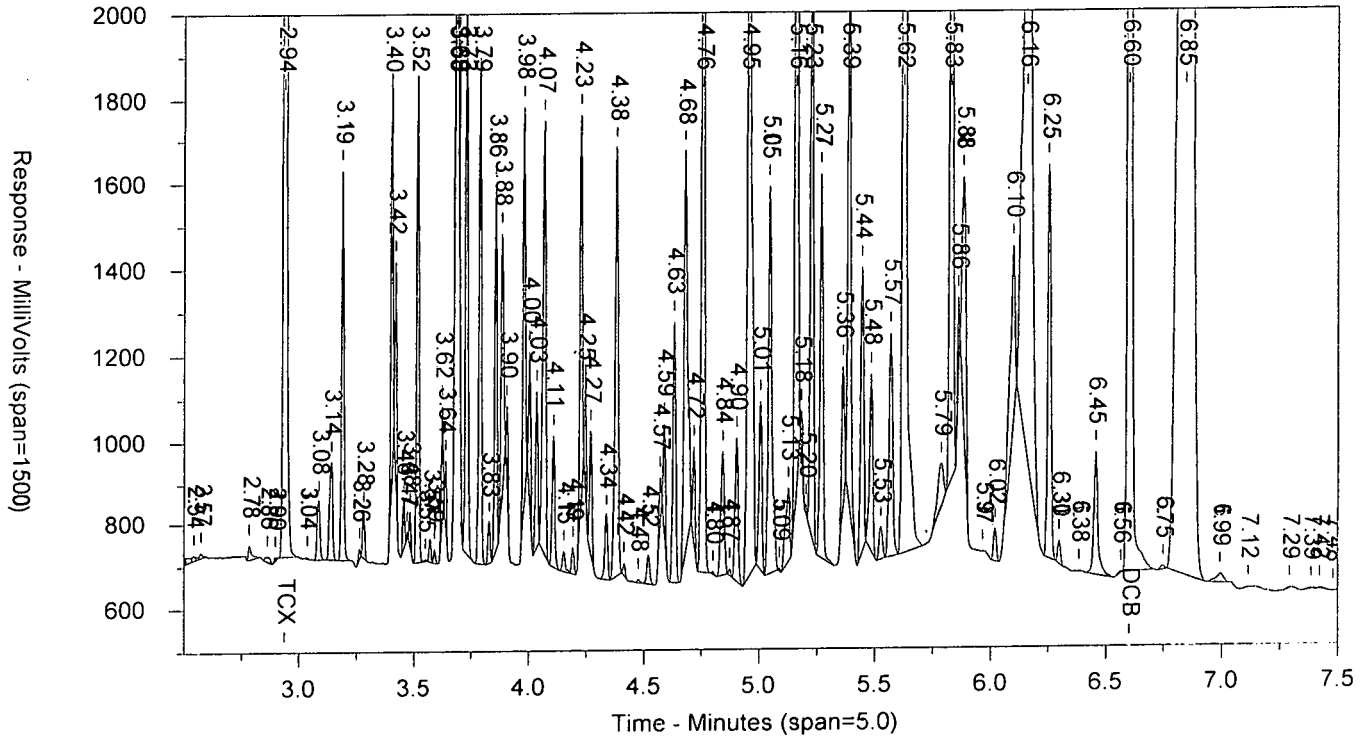


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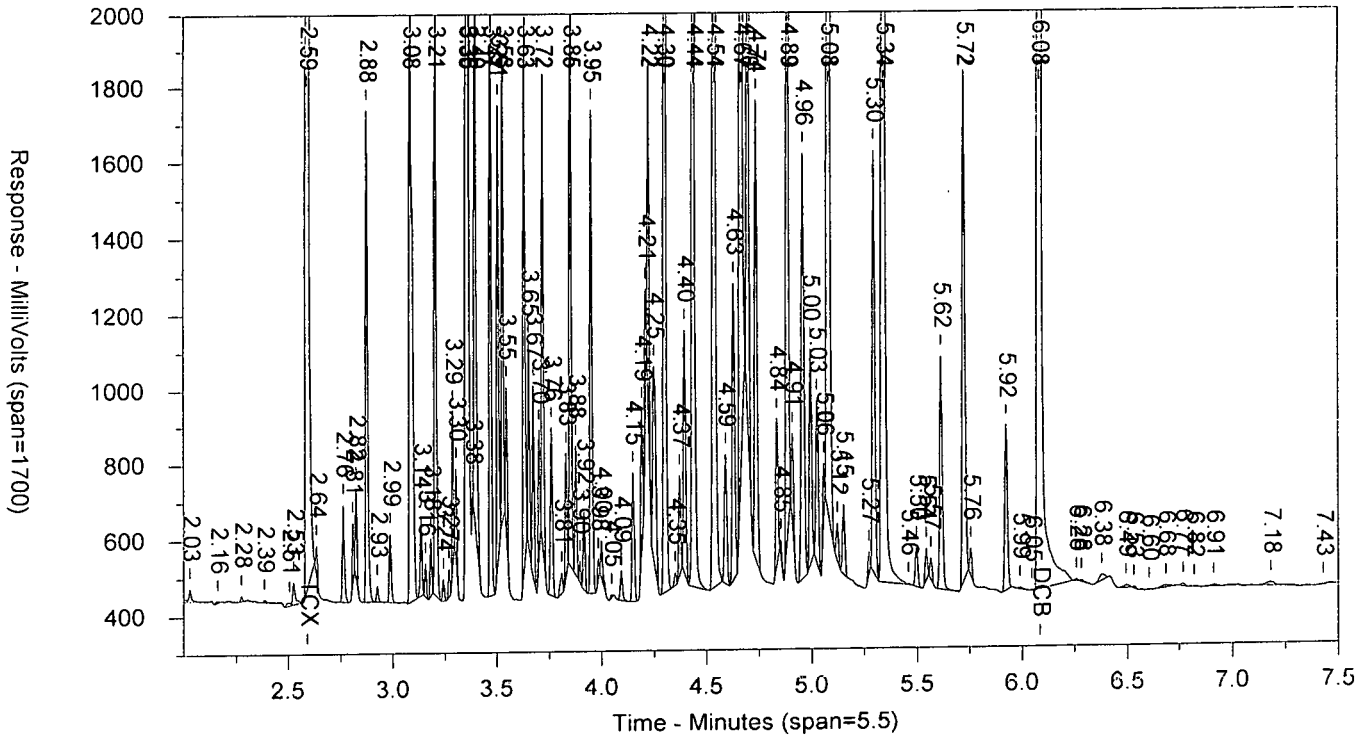

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.579 | | 33572 | 34694 |
| 1.612 | | 7291 | 25513 |
| 1.73 | | 3951 | 2505 |
| 1.782 | | 1659 | 1520 |
| 2.011 | | 27892 | 58263 |
| 2.066 | | 18886 | 55698 |
| 2.09 | | 14510 | 23879 |
| 2.234 | | 24551 | 15954 |
| 2.333 | | 27820 | 22820 |
| 2.378 | | 3068 | 3465 |
| 2.5 | | 18491 | 30330 |
| 2.541 | | 5548 | 4575 |
| 2.721 | | 1684 | 4337 |
| 2.785 | | 46638 | 36008 |
| 2.864 | | 19209 | 30308 |
| 2.904 | | 7858 | 11362 |
| 2.936 | TCX | 5256771 | 3552221 |
| 3.134 | | 75259 | 50884 |
| 3.264 | | 22059 | 17240 |
| 3.572 | | 35014 | 22379 |
| 3.609 | | 7665 | 14016 |
| 3.673 | | 7886 | 10099 |
| 3.85 | | 1769 | 475 |
| 3.883 | | 1194 | 220 |
| 3.922 | | 8748 | 7555 |
| 3.956 | | 1962 | 1668 |
| 4.061 | | 1488 | 435 |
| 4.172 | | 10759 | 9016 |
| 4.254 | | 6854 | 6252 |
| 4.278 | | 10743 | 10107 |
| 4.31 | | 1409 | 597 |
| 4.378 | | 1408 | 953 |
| 4.613 | | 2754 | 9852 |
| 4.753 | | 1970 | 2229 |
| 4.786 | | 2005 | 538 |
| 4.902 | | 8856 | 17911 |
| 4.961 | | 3274 | 4046 |
| 5.002 | | 1417 | 440 |
| 5.038 | | 3268 | 6164 |
| 5.162 | | 2871 | 2655 |
| 5.229 | | 1508 | 899 |
| 5.271 | | 10726 | 13698 |
| 5.316 | | 5269 | 7355 |
| 5.548 | | 1660 | 6055 |
| 5.592 | | 1316 | 2468 |
| 5.651 | | 7479 | 12219 |
| 5.73 | | 12933 | 12225 |
| 5.787 | | 1708 | 2190 |
| 5.95 | | 2083 | 2352 |
| 5.988 | | 1761 | 512 |
| 6.021 | | 22257 | 21908 |
| 6.084 | | 19058 | 24761 |
| 6.193 | | 1654 | 862 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.228 | | 1641 | 1169 |
| 6.246 | | 1789 | 405 |
| 6.29 | | 1498 | 387 |
| 6.455 | | 29804 | 28883 |
| 6.555 | | 1166 | 1634 |
| 6.602 | DCB | 3096421 | 3255425 |
| 6.814 | | 4545 | 6200 |
| 6.833 | | 3150 | 10662 |
| 6.987 | | 1703 | 1988 |
| 7.085 | | 1289 | 284 |
| 7.148 | | 2170 | 5169 |
| 7.299 | | 1187 | 406 |
| 7.472 | | 1131 | 505 |
| 7.595 | | 1983 | 936 |
| 7.638 | | 1294 | 1901 |
| 7.837 | | 2581 | 7064 |
| 7.98 | | 1317 | 750 |
| 8.017 | | 1206 | 1344 |
| 8.033 | | 1732 | 691 |
| 8.051 | | 1846 | 514 |
| 8.173 | | 1390 | 464 |
| 8.212 | | 1733 | 652 |
| 8.238 | | 1749 | 1513 |
| 8.316 | | 1590 | 997 |
| 8.359 | | 1541 | 600 |
| 8.428 | | 1276 | 490 |
| 8.449 | | 1489 | 598 |
| 8.692 | | 1874 | 1288 |

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.526 | | 2289 | 2780 |
| 1.558 | | 7762 | 6963 |
| 1.749 | | 3998 | 10904 |
| 1.795 | | 4433 | 3359 |
| 1.901 | | 66109 | 54158 |
| 1.965 | | 9678 | 19022 |
| 2.03 | | 15216 | 12246 |
| 2.161 | | 4624 | 5744 |
| 2.212 | | 3843 | 4627 |
| 2.302 | | 4920 | 11623 |
| 2.385 | | 4094 | 4076 |
| 2.505 | | 10853 | 15623 |
| 2.525 | | 79310 | 74468 |
| 2.591 | TCX | 7641293 | 4849397 |
| 2.679 | | 2812 | 3956 |
| 2.756 | | 4116 | 2098 |
| 2.809 | | 112735 | 83139 |
| 2.925 | | 22299 | 17563 |
| 3.095 | | 7297 | 17815 |
| 3.269 | | 42605 | 25029 |
| 3.305 | | 11761 | 9138 |
| 3.362 | | 6720 | 19968 |
| 3.614 | | 2480 | 7727 |
| 3.691 | | 4096 | 10727 |
| 3.849 | | 4028 | 3817 |
| 3.916 | | 16063 | 14255 |
| 3.994 | | 4325 | 4933 |
| 4.047 | | 17097 | 23799 |
| 4.121 | | 5124 | 15618 |
| 4.385 | | 2353 | 2809 |
| 4.553 | | 7109 | 6981 |
| 4.617 | | 3114 | 2014 |
| 4.669 | | 4143 | 18971 |
| 5.029 | | 1935 | 1655 |
| 5.153 | | 3468 | 2452 |
| 5.192 | | 5127 | 5780 |
| 5.315 | | 15706 | 18943 |
| 5.39 | | 1145 | 4510 |
| 5.497 | | 27327 | 23469 |
| 5.566 | | 17257 | 15194 |
| 5.619 | | 1971 | 2406 |
| 5.924 | | 50167 | 45464 |
| 5.954 | | 2026 | 4152 |
| 6.083 | DCB | 5712218 | 5454585 |
| 6.421 | | 1522 | 1049 |
| 6.536 | | 4061 | 6995 |
| 6.672 | | 1296 | 1674 |
| 6.735 | | 1356 | 1941 |
| 7.404 | | 3345 | 10444 |
| 7.585 | | 3368 | 5711 |
| 8.163 | | 9695 | 20606 |

IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082

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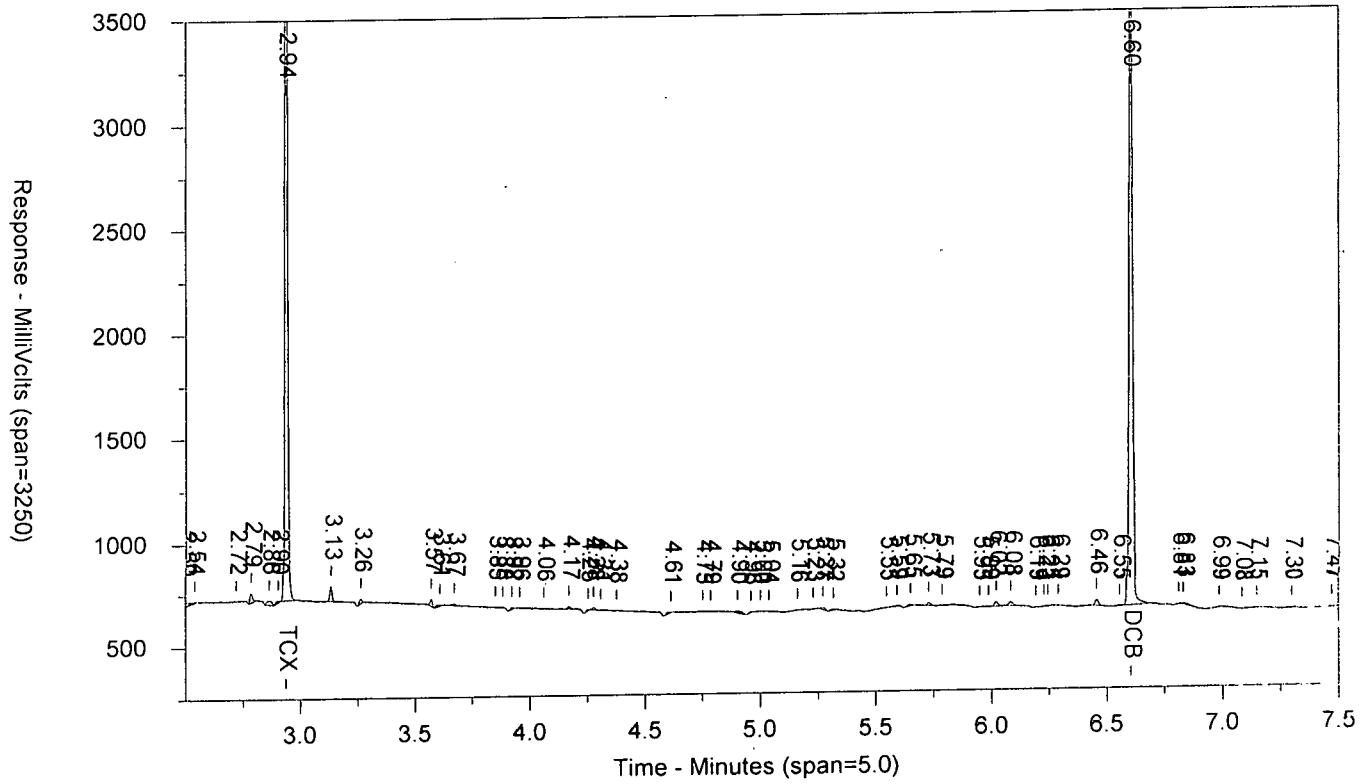


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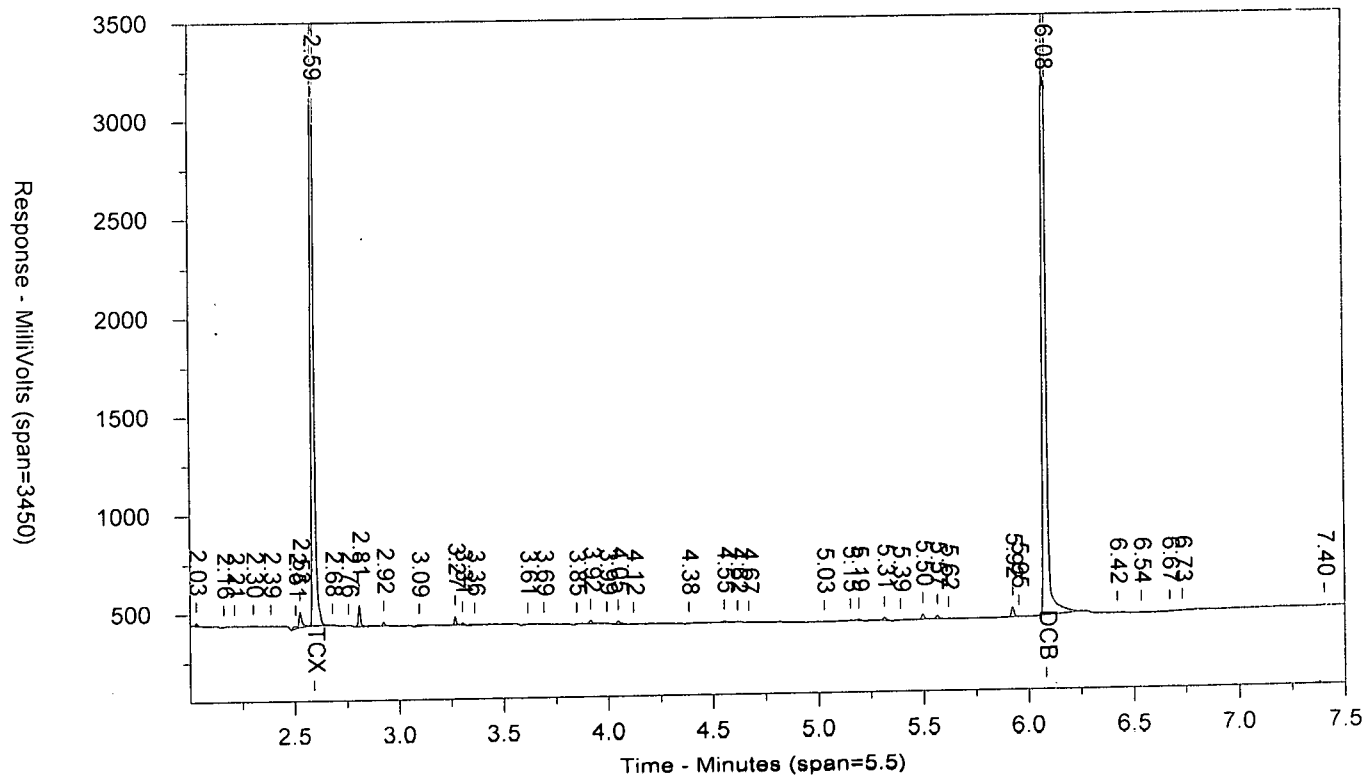


LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

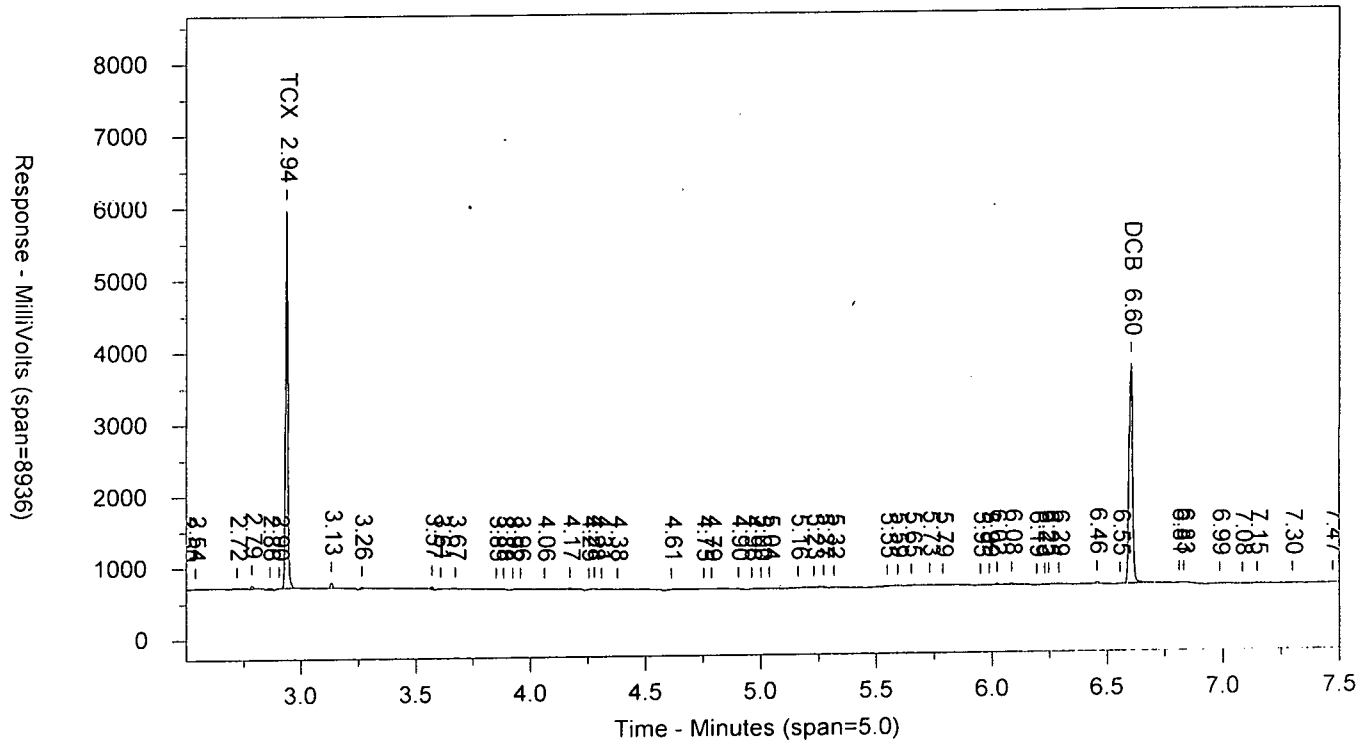
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 5256771 | .192 | TCX | 2.591 | 7641293 | .184 | TCX |
| 6.602 | 3096421 | .153 | DCB | 6.083 | 5712218 | .151 | DCB |

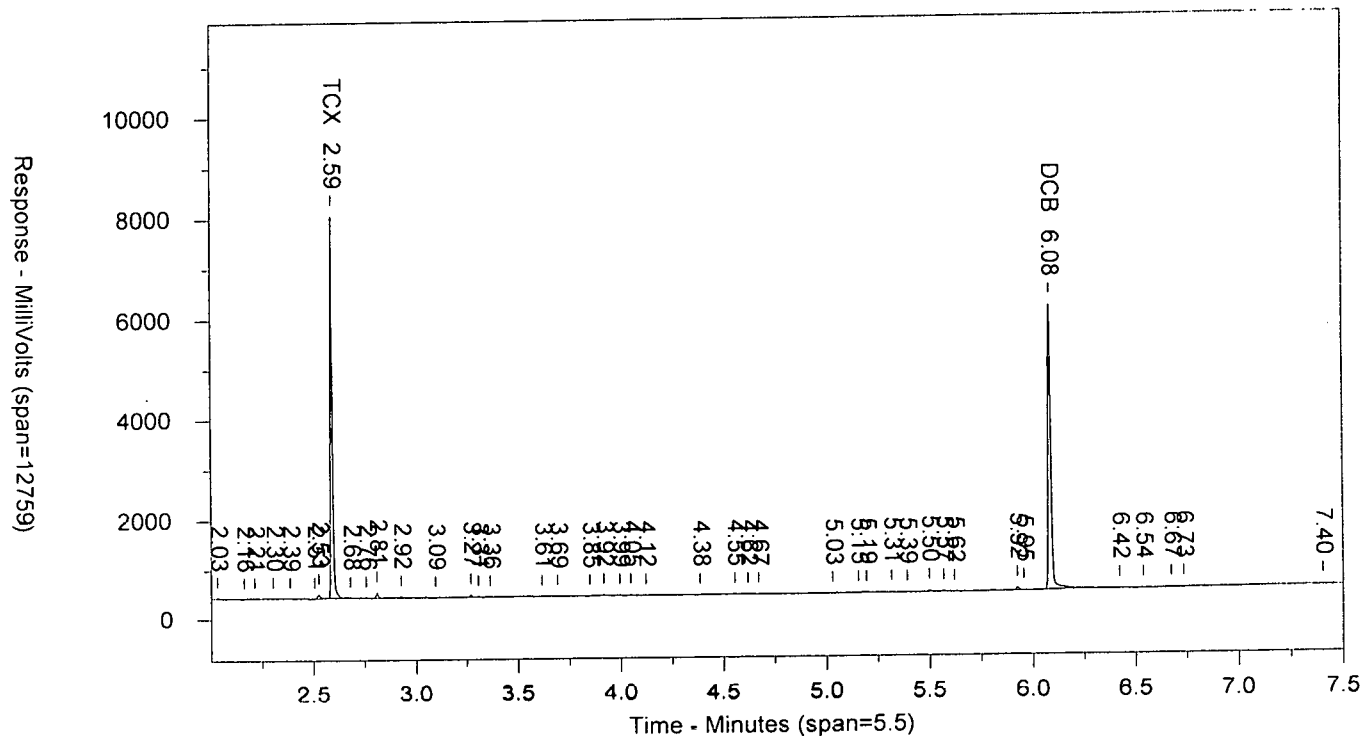
Files:
Area File: 07PCBS17284001.0046.RAW
Area File: 07PCBS17284001B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:29:42 AM

IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0046.RAW

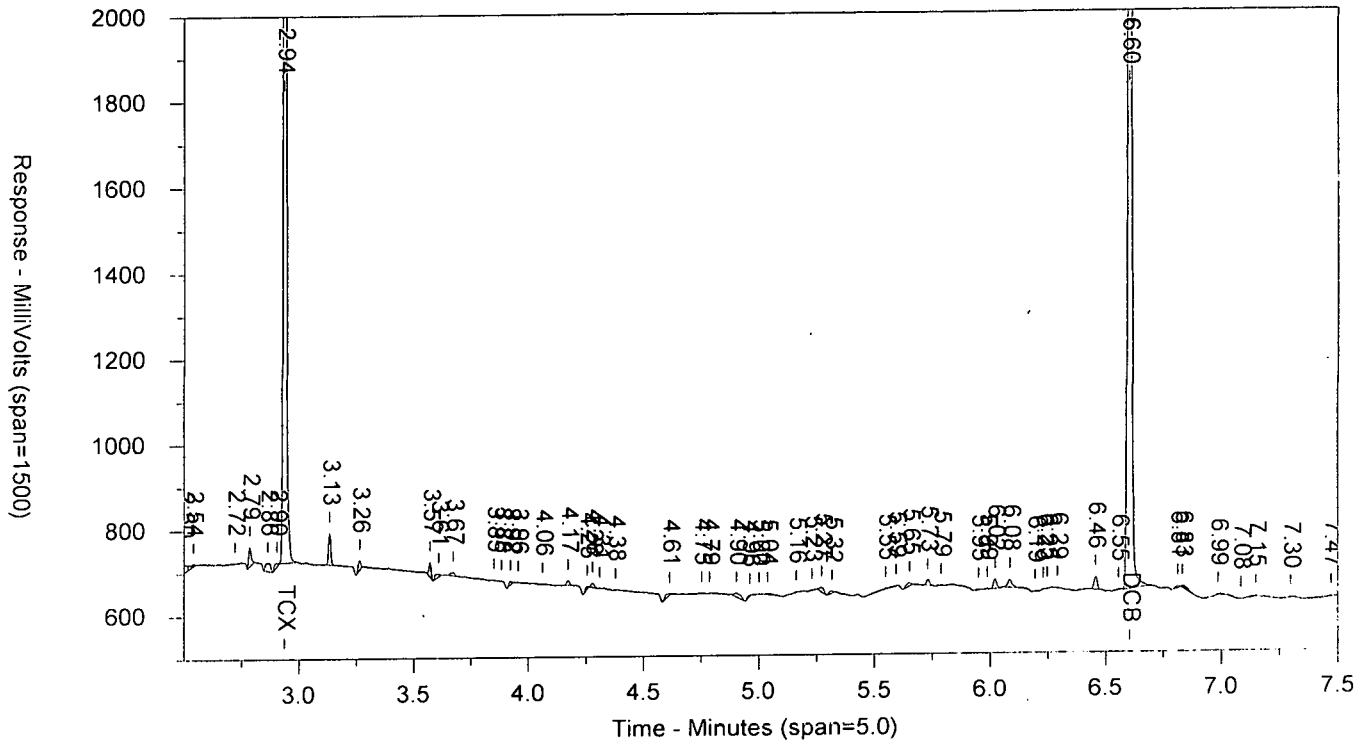



—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0046.RAW



IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0046.RAW

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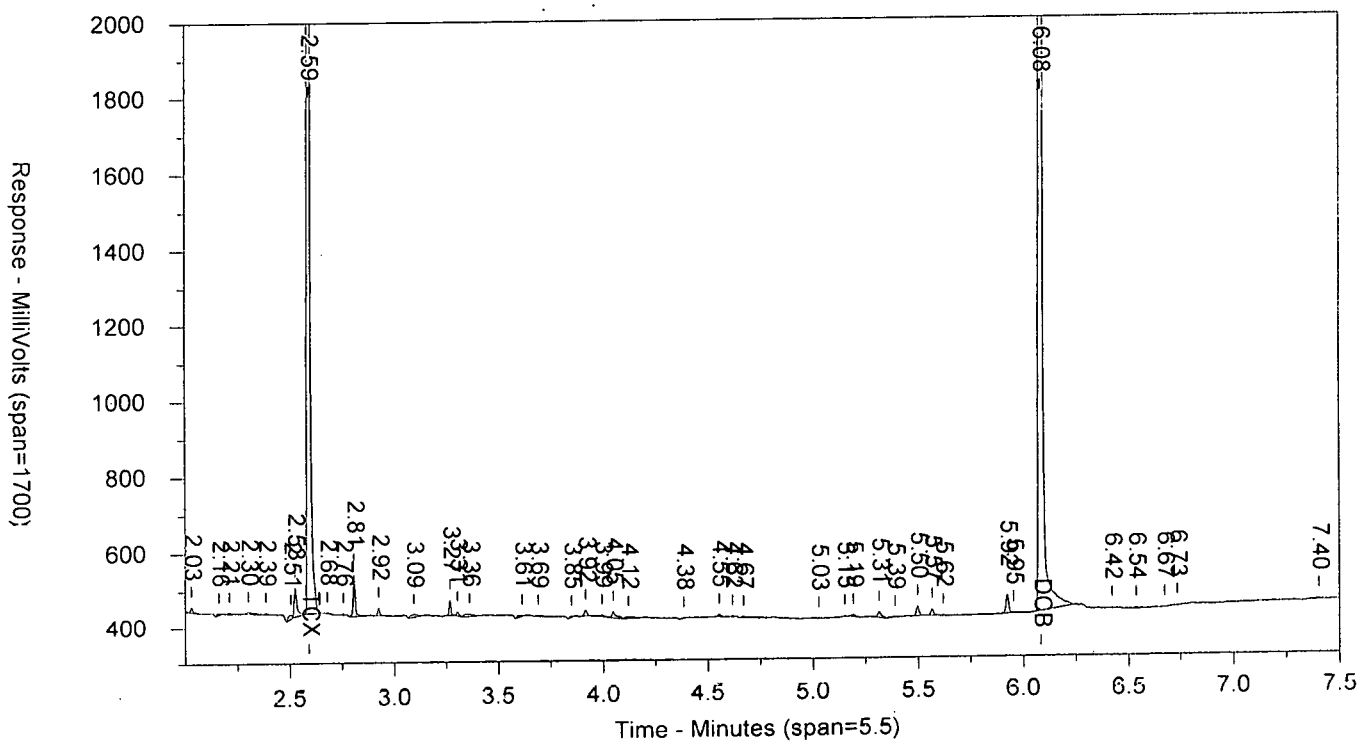


LANCASTER LABORATORIES

Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0067.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.578 | | 17710 | 16736 |
| 1.614 | | 5005 | 16044 |
| 1.797 | | 1479 | 999 |
| 2.067 | | 8399 | 27885 |
| 2.09 | | 6761 | 5815 |
| 2.174 | | 3377 | 5032 |
| 2.235 | | 54235 | 38055 |
| 2.334 | | 33566 | 34948 |
| 2.501 | | 5128 | 7480 |
| 2.576 | | 7148 | 4316 |
| 2.64 | | 1783 | 654 |
| 2.717 | | 2013 | 1458 |
| 2.746 | | 1376 | 559 |
| 2.786 | | 29789 | 27994 |
| 2.858 | | 7798 | 13621 |
| 2.937 | TCX | 11470750 | 7600501 |
| 3.035 | | 3734 | 2350 |
| 3.086 | | 165309 | 142992 |
| 3.141 | | 260696 | 246840 |
| 3.189 | | 974221 | 692405 |
| 3.264 | | 25532 | 13452 |
| 3.282 | | 122187 | 77032 |
| 3.322 | | 3338 | 1929 |
| 3.403 | | 1050715 | 621754 |
| 3.42 | | 517032 | 270589 |
| 3.456 | | 130825 | 75922 |
| 3.472 | | 17092 | 6319 |
| 3.483 | | 86520 | 43748 |
| 3.517 | | 1242930 | 923794 |
| 3.552 | | 6684 | 3122 |
| 3.573 | | 41425 | 24941 |
| 3.592 | | 38744 | 23851 |
| 3.625 | | 309138 | 176541 |
| 3.64 | | 155159 | 77965 |
| 3.683 | | 770437 | 385236 |
| 3.694 | | 1361428 | 632176 |
| 3.731 | | 1551880 | 1151059 |
| 3.79 | | 1339480 | 1006198 |
| 3.831 | | 111976 | 77922 |
| 3.858 | | 920272 | 670503 |
| 3.885 | | 674939 | 528429 |
| 3.906 | | 173471 | 90180 |
| 3.981 | | 1040337 | 722672 |
| 4.005 | | 378106 | 252614 |
| 4.036 | | 426643 | 298087 |
| 4.07 | | 1115020 | 1060429 |
| 4.109 | | 355396 | 287037 |
| 4.156 | | 54120 | 45844 |
| 4.196 | | 73587 | 54082 |
| 4.229 | | 1022084 | 769407 |
| 4.248 | | 258345 | 142350 |
| 4.271 | | 329890 | 254200 |
| 4.341 | | 185637 | 154417 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.384 | | 1167006 | 1115021 |
| 4.417 | | 35491 | 22676 |
| 4.48 | | 9706 | 7420 |
| 4.521 | | 89155 | 78970 |
| 4.572 | | 149407 | 98375 |
| 4.589 | | 312785 | 211352 |
| 4.633 | | 743492 | 664986 |
| 4.682 | | 1190883 | 1278685 |
| 4.719 | | 266618 | 186137 |
| 4.758 | | 2339009 | 2127942 |
| 4.801 | | 4509 | 3446 |
| 4.844 | | 335529 | 355697 |
| 4.876 | | 21550 | 12623 |
| 4.904 | | 388659 | 370269 |
| 4.956 | | 2253170 | 2818543 |
| 5.007 | | 472091 | 432603 |
| 5.047 | | 1050940 | 1182647 |
| 5.089 | | 5891 | 2509 |
| 5.128 | | 234032 | 262134 |
| 5.161 | | 2871481 | 2545430 |
| 5.182 | | 100929 | 48165 |
| 5.201 | | 36699 | 16327 |
| 5.228 | | 1794257 | 1611003 |
| 5.27 | | 1101530 | 1007471 |
| 5.365 | | 402592 | 318552 |
| 5.39 | | 1611003 | 1419190 |
| 5.447 | | 872785 | 826862 |
| 5.486 | | 520658 | 543932 |
| 5.528 | | 106369 | 106579 |
| 5.57 | | 696972 | 777288 |
| 5.627 | | 4825628 | 5706396 |
| 5.831 | | 3057808 | 2956839 |
| 5.863 | | 151797 | 90756 |
| 5.886 | | 765490 | 826316 |
| 6.022 | | 144910 | 139951 |
| 6.101 | | 620490 | 856323 |
| 6.256 | | 1137639 | 1191838 |
| 6.301 | | 63070 | 58335 |
| 6.426 | | 1766 | 527 |
| 6.455 | | 341946 | 354310 |
| 6.601 | DCB | 7131325 | 7529466 |
| 7.048 | | 4447 | 4768 |
| 7.087 | | 1559 | 1067 |
| 7.13 | | 1013 | 575 |
| 7.172 | | 1293 | 480 |
| 7.239 | | 1267 | 431 |
| 7.41 | | 1511 | 551 |
| 7.441 | | 1094 | 356 |
| 7.464 | | 1533 | 816 |
| 7.673 | | 1373 | 682 |
| 7.956 | | 1812 | 674 |
| 7.982 | | 1712 | 508 |
| 8.015 | | 1655 | 400 |
| 8.065 | | 1243 | 505 |
| 8.206 | | 1512 | 696 |
| 8.289 | | 1467 | 1718 |
| 8.432 | | 1611 | 523 |
| 8.479 | | 1258 | 762 |
| 8.519 | | 1205 | 593 |

LANCASTER LABORATORIES

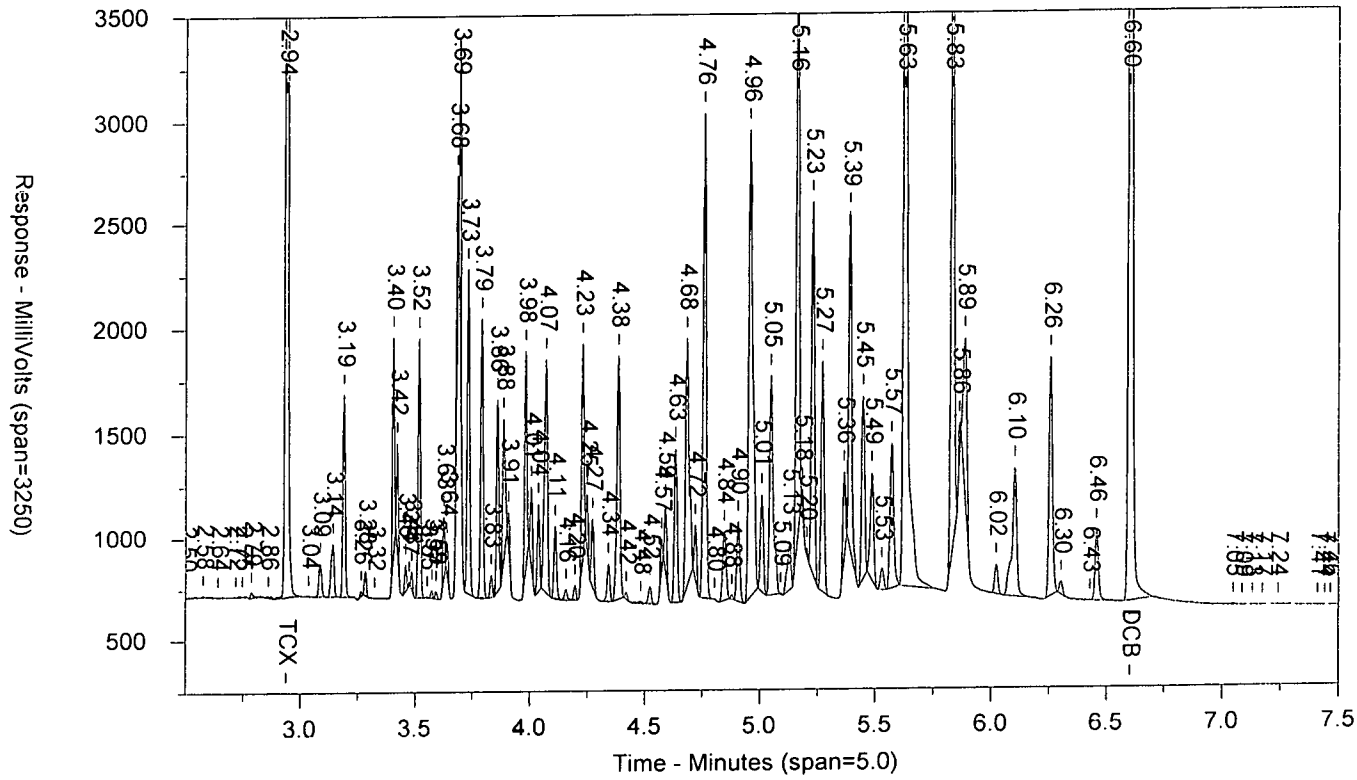
Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0067.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.723 | | 3660 | 1724 |
| 1.763 | | 5784 | 11946 |
| 1.795 | | 4227 | 4831 |
| 1.903 | | 104782 | 89074 |
| 1.966 | | 9624 | 20939 |
| 2.03 | | 33026 | 25578 |
| 2.134 | | 6681 | 6722 |
| 2.163 | | 3415 | 3929 |
| 2.205 | | 2713 | 3813 |
| 2.276 | | 17128 | 17241 |
| 2.388 | | 6456 | 7297 |
| 2.506 | | 7022 | 8521 |
| 2.526 | | 54206 | 45973 |
| 2.592 | TCX | 16350340 | 10075140 |
| 2.635 | | 77815 | 42401 |
| 2.763 | | 261444 | 192885 |
| 2.809 | | 164385 | 77317 |
| 2.824 | | 250173 | 131211 |
| 2.876 | | 1360640 | 889819 |
| 2.926 | | 43862 | 25238 |
| 2.987 | | 187972 | 125166 |
| 3.084 | | 1748624 | 1761782 |
| 3.135 | | 220886 | 134429 |
| 3.156 | | 95751 | 53671 |
| 3.182 | | 155311 | 87010 |
| 3.205 | | 1726796 | 1152134 |
| 3.242 | | 59407 | 36153 |
| 3.269 | | 59105 | 28799 |
| 3.289 | | 436864 | 231517 |
| 3.304 | | 257303 | 128056 |
| 3.354 | | 672345 | 351465 |
| 3.363 | | 1901457 | 829995 |
| 3.383 | | 48618 | 17809 |
| 3.397 | | 1711433 | 1203381 |
| 3.47 | | 1890988 | 1202195 |
| 3.506 | | 1273769 | 827199 |
| 3.529 | | 1383524 | 760820 |
| 3.547 | | 437556 | 223459 |
| 3.596 | | 3247 | 2198 |
| 3.632 | | 1594403 | 1055502 |
| 3.654 | | 609131 | 324023 |
| 3.675 | | 573403 | 337107 |
| 3.703 | | 374867 | 188652 |
| 3.721 | | 1359634 | 822624 |
| 3.761 | | 478316 | 352766 |
| 3.809 | | 59939 | 50834 |
| 3.831 | | 345952 | 202650 |
| 3.853 | | 1739223 | 1150392 |
| 3.878 | | 363243 | 215804 |
| 3.897 | | 58140 | 27258 |
| 3.917 | | 219796 | 140091 |
| 3.952 | | 1425561 | 1001516 |
| 3.985 | | 56238 | 31933 |
| 3.999 | | 106104 | 65030 |

| | | | |
|---|---|---|---|
| 4.048 | | 5927 | 3351 |
| 4.095 | | 88746 | 73758 |
| 4.151 | | 386499 | 275912 |
| 4.193 | | 393706 | 246034 |
| 4.211 | | 348181 | 169306 |
| 4.225 | | 1081336 | 612226 |
| 4.251 | | 586530 | 600393 |
| 4.303 | | 3375798 | 2536630 |
| 4.35 | | 42015 | 27485 |
| 4.372 | | 275099 | 179798 |
| 4.397 | | 695436 | 546547 |
| 4.439 | | 4021634 | 3193132 |
| 4.541 | | 3130031 | 3109294 |
| 4.593 | | 387962 | 323856 |
| 4.632 | | 894105 | 785136 |
| 4.668 | | 3858908 | 3280831 |
| 4.7 | | 2092199 | 1523542 |
| 4.738 | | 1462678 | 1152695 |
| 4.836 | | 450093 | 334118 |
| 4.854 | | 41259 | 22955 |
| 4.887 | | 2646097 | 2072933 |
| 4.91 | | 264498 | 165406 |
| 4.961 | | 1400930 | 1267990 |
| 4.996 | | 695230 | 558521 |
| 5.028 | | 523528 | 434395 |
| 5.059 | | 170834 | 99126 |
| 5.082 | | 6060085 | 5403500 |
| 5.123 | | 113143 | 79421 |
| 5.154 | | 245437 | 189530 |
| 5.274 | | 71258 | 47130 |
| 5.298 | | 1414706 | 1173334 |
| 5.342 | | 4153730 | 4880668 |
| 5.498 | | 165199 | 150291 |
| 5.545 | | 94569 | 67745 |
| 5.567 | | 118796 | 86493 |
| 5.616 | | 778415 | 730442 |
| 5.725 | | 1709677 | 1503896 |
| 5.756 | | 72345 | 51399 |
| 5.925 | | 594986 | 561540 |
| 6.084 | DCB | 13631200 | 13141320 |
| 6.535 | | 10174 | 12509 |
| 6.771 | | 3342 | 3586 |
| 6.809 | | 2489 | 3066 |
| 7.583 | | 1684 | 2592 |
| 8.162 | | 9496 | 17053 |

AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0067.RAW

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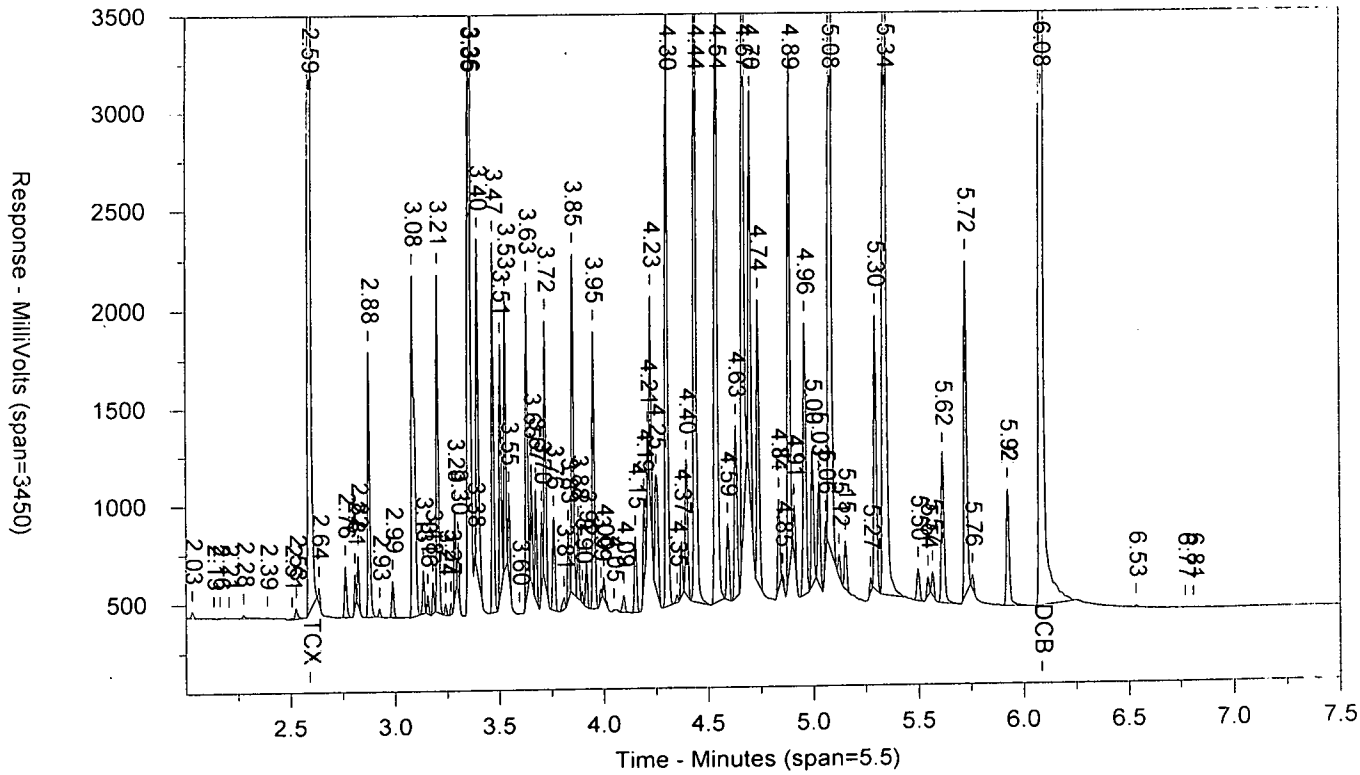


LANCASTER LABORATORIES

Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 8
Calibration Type: external
Quantitation: Height

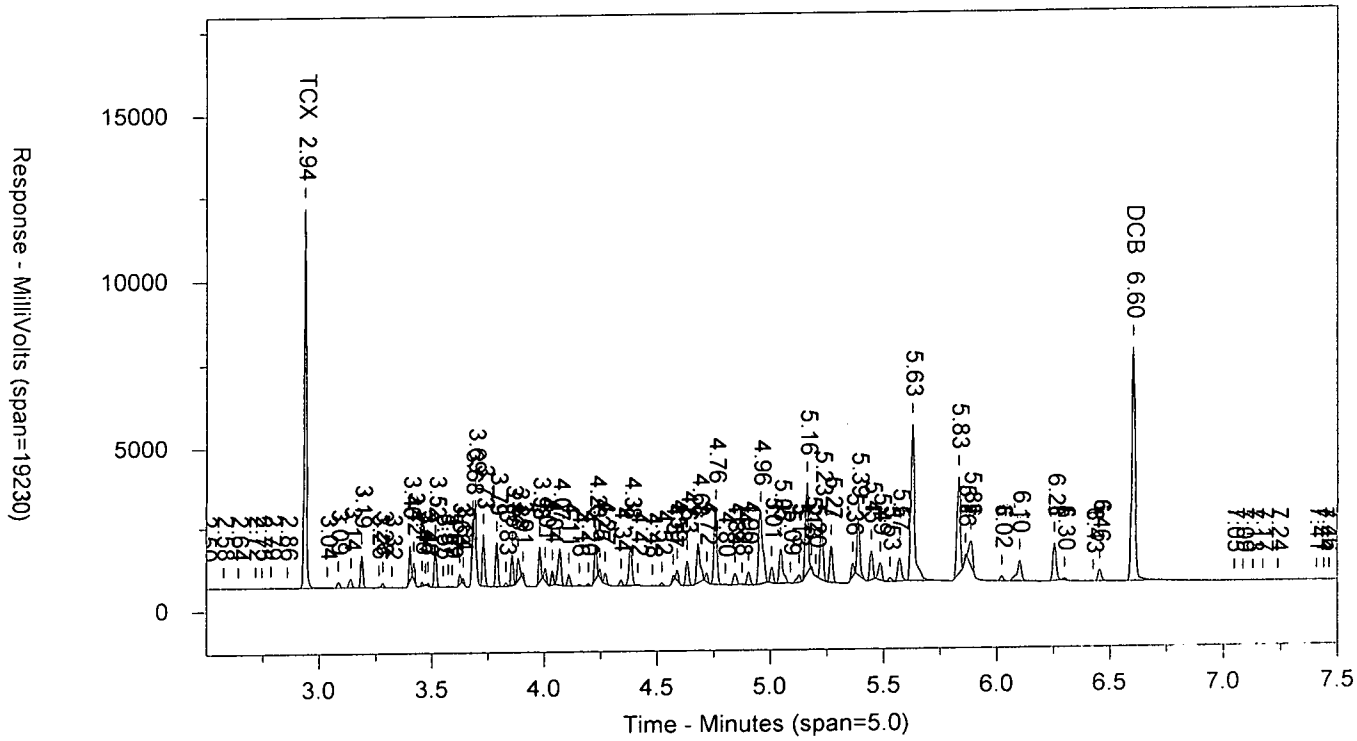
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 11470750 | 41.846 | TCX | 2.592 | 16350340 | 39.443 | TCX |
| 6.601 | 7131325 | 35.341 | DCB | 6.084 | 13631200 | 36.008 | DCB |

Files:
Area File: 07PCBS17284001.0067.RAW
Area File: 07PCBS17284001B.0067.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:16 AM

AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0067.RAW

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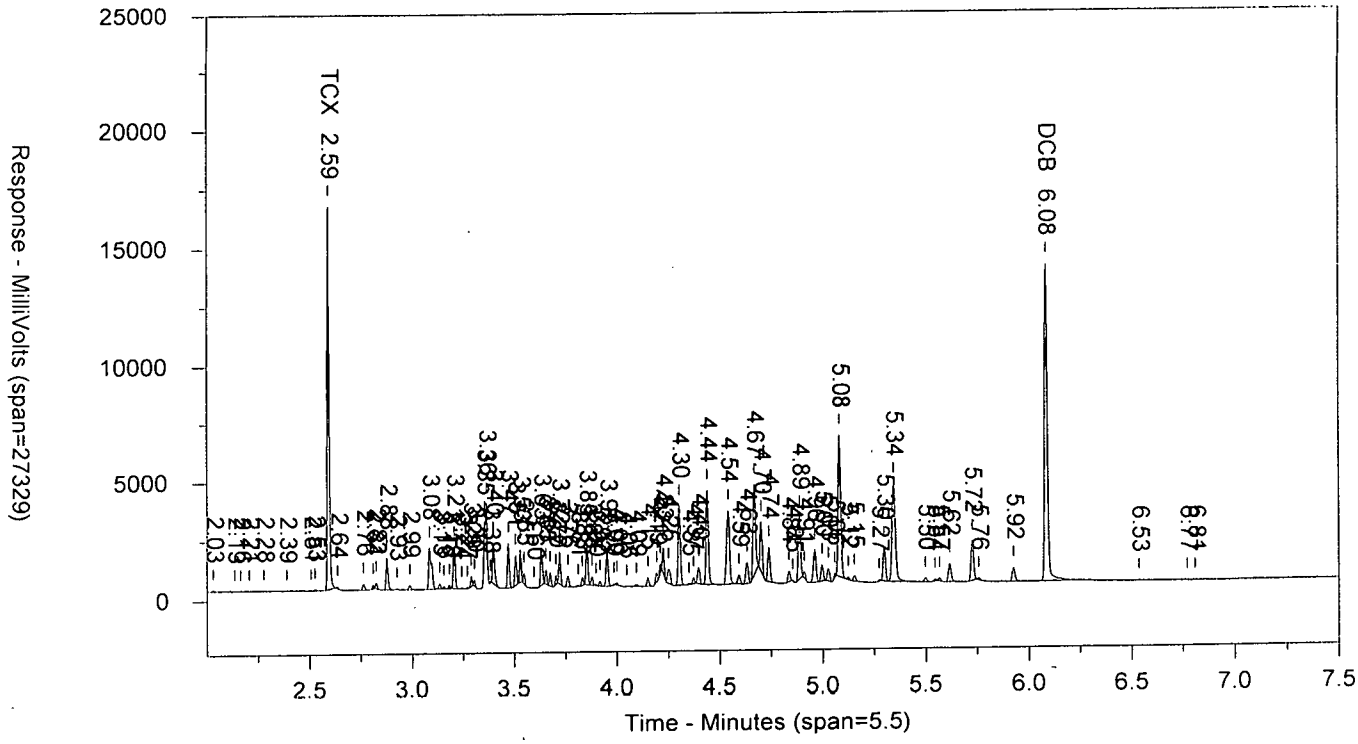
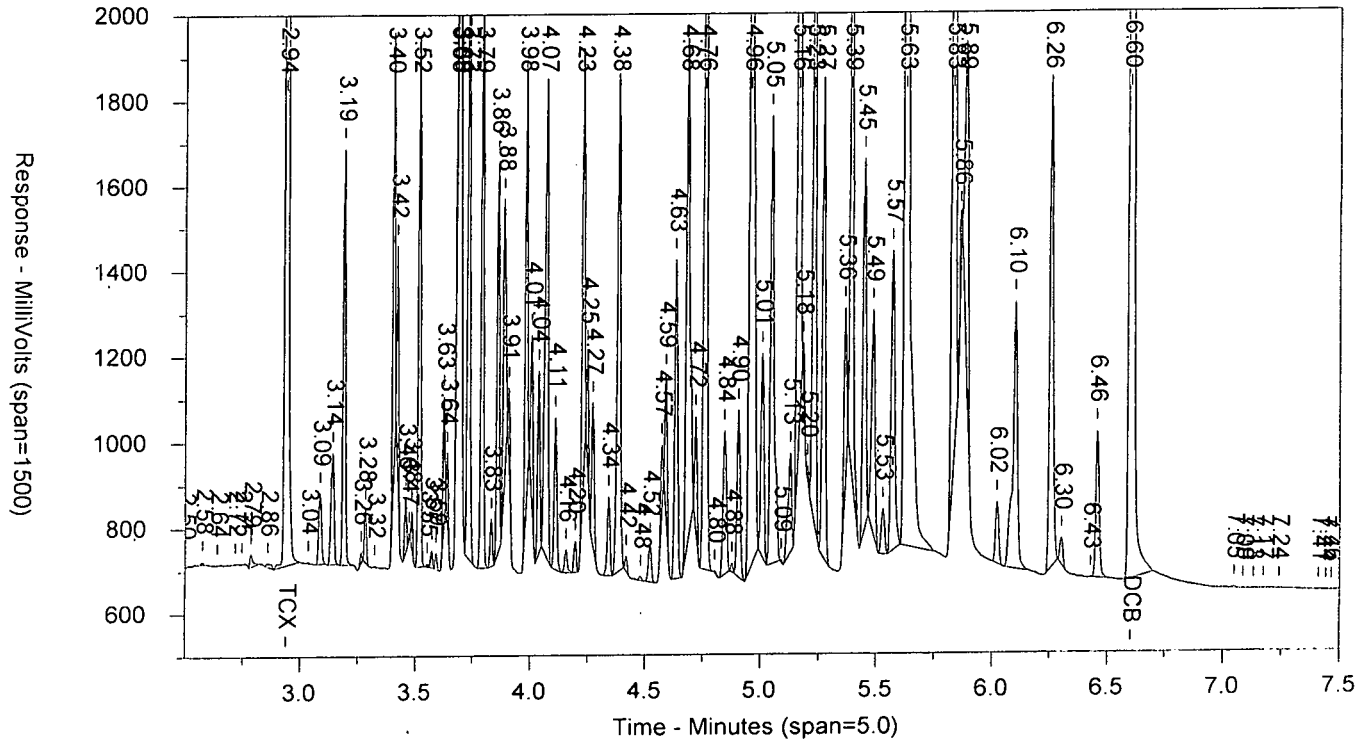


AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0067.RAW

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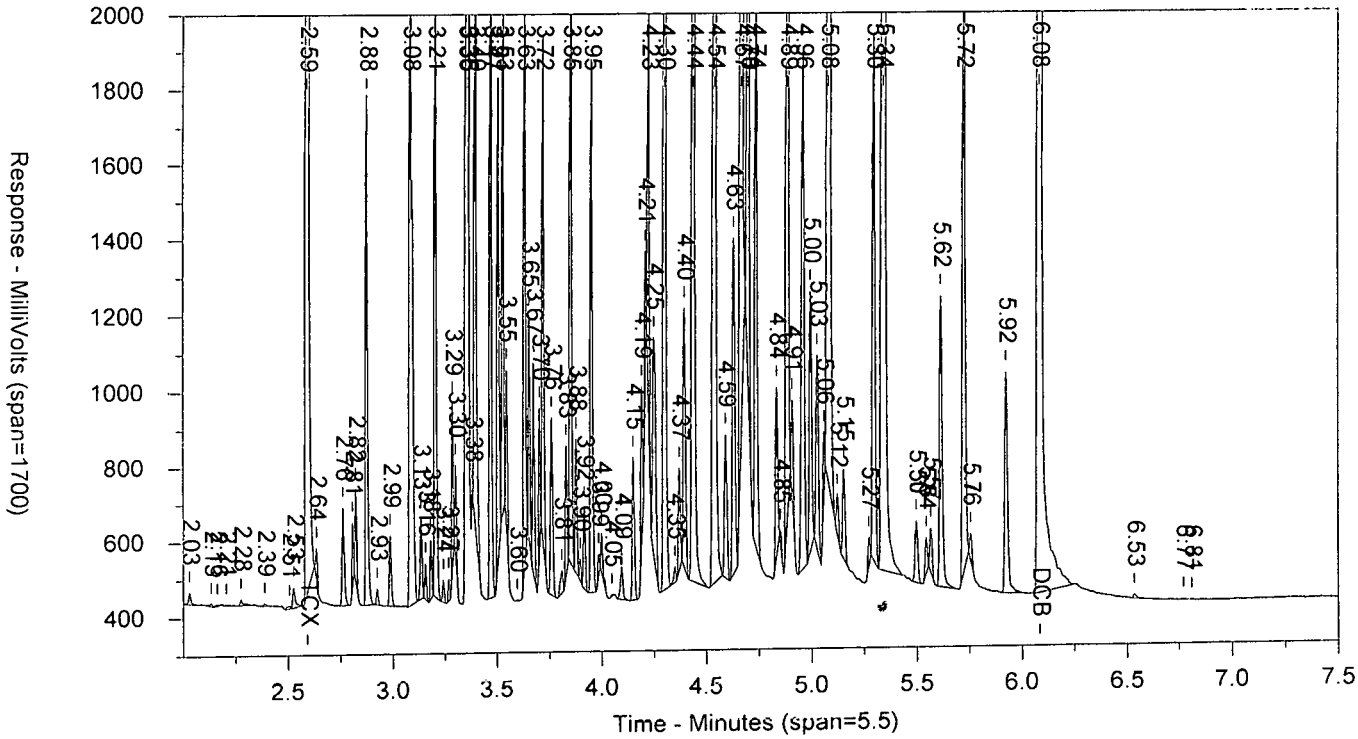


LANCASTER LABORATORIES

Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0068.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.584 | | 20669 | 24184 |
| 1.613 | | 8258 | 23477 |
| 1.73 | | 6163 | 4156 |
| 2.063 | | 12463 | 34486 |
| 2.087 | | 11019 | 10203 |
| 2.235 | | 26204 | 16798 |
| 2.333 | | 34238 | 28872 |
| 2.383 | | 2453 | 1175 |
| 2.51 | | 4759 | 14681 |
| 2.786 | | 33497 | 27198 |
| 2.869 | | 18589 | 28732 |
| 2.903 | | 4321 | 6371 |
| 2.937 | TCX | 5469796 | 3671583 |
| 3.134 | | 79556 | 53469 |
| 3.265 | | 23527 | 21102 |
| 3.506 | | 2884 | 2205 |
| 3.572 | | 26009 | 18123 |
| 3.61 | | 4774 | 9133 |
| 3.672 | | 7476 | 9644 |
| 3.73 | | 3186 | 2296 |
| 3.831 | | 1744 | 1517 |
| 3.858 | | 2068 | 1241 |
| 3.878 | | 983 | 196 |
| 3.925 | | 7027 | 8166 |
| 3.95 | | 1184 | 547 |
| 3.975 | | 1643 | 670 |
| 4.024 | | 1720 | 1016 |
| 4.06 | | 1594 | 375 |
| 4.173 | | 10726 | 8926 |
| 4.209 | | 6176 | 11405 |
| 4.257 | | 6920 | 8631 |
| 4.282 | | 11383 | 11697 |
| 4.317 | | 2886 | 2672 |
| 4.433 | | 1361 | 419 |
| 4.528 | | 1834 | 448 |
| 4.609 | | 4902 | 8774 |
| 4.655 | | 1720 | 416 |
| 4.68 | | 1342 | 316 |
| 4.758 | | 4228 | 4170 |
| 4.882 | | 1521 | 884 |
| 4.9 | | 7234 | 14879 |
| 4.963 | | 6351 | 8243 |
| 5.04 | | 1492 | 586 |
| 5.159 | | 3201 | 2986 |
| 5.265 | | 4109 | 7616 |
| 5.337 | | 3683 | 16419 |
| 5.391 | | 1498 | 1610 |
| 5.436 | | 3729 | 5098 |
| 5.484 | | 1355 | 1307 |
| 5.53 | | 2998 | 2469 |
| 5.573 | | 1876 | 1966 |
| 5.65 | | 17953 | 23230 |
| 5.731 | | 14115 | 15829 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.792 | | 1885 | 426 |
| 5.831 | | 1439 | 843 |
| 5.951 | | 3462 | 3893 |
| 6.022 | | 46845 | 43239 |
| 6.084 | | 40894 | 43483 |
| 6.193 | | 6304 | 5228 |
| 6.238 | | 2301 | 3485 |
| 6.254 | | 2412 | 1775 |
| 6.339 | | 1856 | 1527 |
| 6.455 | | 38775 | 36931 |
| 6.509 | | 1845 | 1138 |
| 6.558 | | 1211 | 779 |
| 6.602 | DCB | 3602885 | 3732760 |
| 7.021 | | 1489 | 424 |
| 7.043 | | 1686 | 812 |
| 7.106 | | 2098 | 1427 |
| 7.161 | | 1453 | 656 |
| 7.28 | | 1973 | 2087 |
| 7.334 | | 1503 | 480 |
| 7.385 | | 1814 | 603 |
| 7.419 | | 1558 | 263 |
| 7.502 | | 1146 | 586 |
| 7.659 | | 1563 | 887 |
| 7.748 | | 1303 | 399 |
| 7.877 | | 1529 | 990 |
| 8.036 | | 1527 | 1175 |
| 8.058 | | 1483 | 727 |
| 8.13 | | 1531 | 665 |
| 8.141 | | 1472 | 617 |
| 8.183 | | 1117 | 1051 |
| 8.238 | | 1341 | 555 |
| 8.346 | | 1487 | 523 |
| 8.388 | | 1130 | 432 |
| 8.563 | | 1655 | 722 |

LANCASTER LABORATORIES

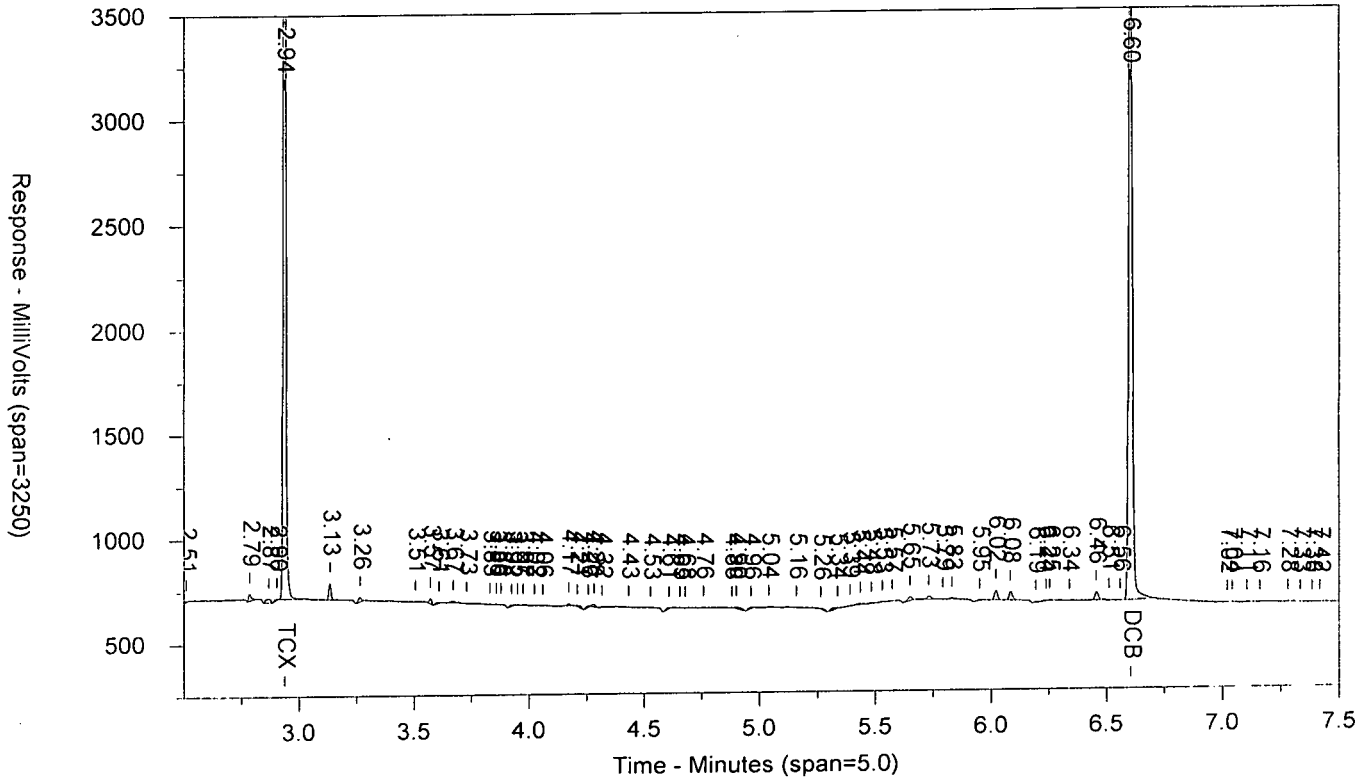
Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0068.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.528 | | 3407 | 2467 |
| 1.559 | | 8582 | 6047 |
| 1.681 | | 1915 | 1839 |
| 1.724 | | 3264 | 1612 |
| 1.746 | | 2886 | 2406 |
| 1.796 | | 3939 | 2957 |
| 1.901 | | 73562 | 59196 |
| 1.97 | | 11805 | 26072 |
| 2.03 | | 17788 | 16936 |
| 2.131 | | 5907 | 6410 |
| 2.162 | | 4038 | 5366 |
| 2.208 | | 3826 | 4565 |
| 2.302 | | 3869 | 11312 |
| 2.388 | | 4058 | 6663 |
| 2.508 | | 8971 | 16122 |
| 2.526 | | 59415 | 50107 |
| 2.592 | TCX | 7856349 | 4955360 |
| 2.681 | | 4064 | 3756 |
| 2.756 | | 3095 | 1914 |
| 2.809 | | 111734 | 74576 |
| 2.926 | | 21822 | 13950 |
| 3.088 | | 7622 | 18672 |
| 3.27 | | 30415 | 18625 |
| 3.306 | | 11520 | 8609 |
| 3.34 | | 2645 | 2542 |
| 3.505 | | 4711 | 3317 |
| 3.543 | | 5833 | 17853 |
| 3.6 | | 5584 | 8076 |
| 3.692 | | 9919 | 18136 |
| 3.807 | | 6265 | 15185 |
| 3.852 | | 6478 | 7805 |
| 3.915 | | 14912 | 13331 |
| 3.95 | | 2599 | 2225 |
| 3.995 | | 4375 | 5613 |
| 4.048 | | 15001 | 22201 |
| 4.125 | | 3558 | 7103 |
| 4.208 | | 5123 | 15294 |
| 4.303 | | 4115 | 14106 |
| 4.395 | | 2611 | 5113 |
| 4.438 | | 4062 | 4196 |
| 4.554 | | 7147 | 9332 |
| 4.618 | | 3658 | 2731 |
| 4.636 | | 5594 | 3819 |
| 4.671 | | 5434 | 6459 |
| 4.744 | | 1844 | 1358 |
| 4.816 | | 2924 | 3265 |
| 4.887 | | 3976 | 9218 |
| 4.971 | | 2151 | 2517 |
| 5.032 | | 3029 | 2300 |
| 5.082 | | 6572 | 5740 |
| 5.154 | | 11673 | 10326 |
| 5.193 | | 4831 | 4709 |
| 5.317 | | 20436 | 36557 |
| 5.385 | | 6188 | 17400 |

| | | | |
|---|---|---|---|
| 5.444 | | 2399 | 1837 |
| 5.498 | | 51072 | 47963 |
| 5.566 | | 48868 | 45083 |
| 5.616 | | 4018 | 5847 |
| 5.876 | | 1926 | 1203 |
| 5.925 | | 71800 | 62383 |
| 6.084 | DCB | 6916090 | 6714086 |
| 6.533 | | 5412 | 4627 |
| 7.84 | | 1606 | 3544 |
| 7.961 | | 2261 | 3324 |
| 8.163 | | 10123 | 18204 |

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0068.RAW

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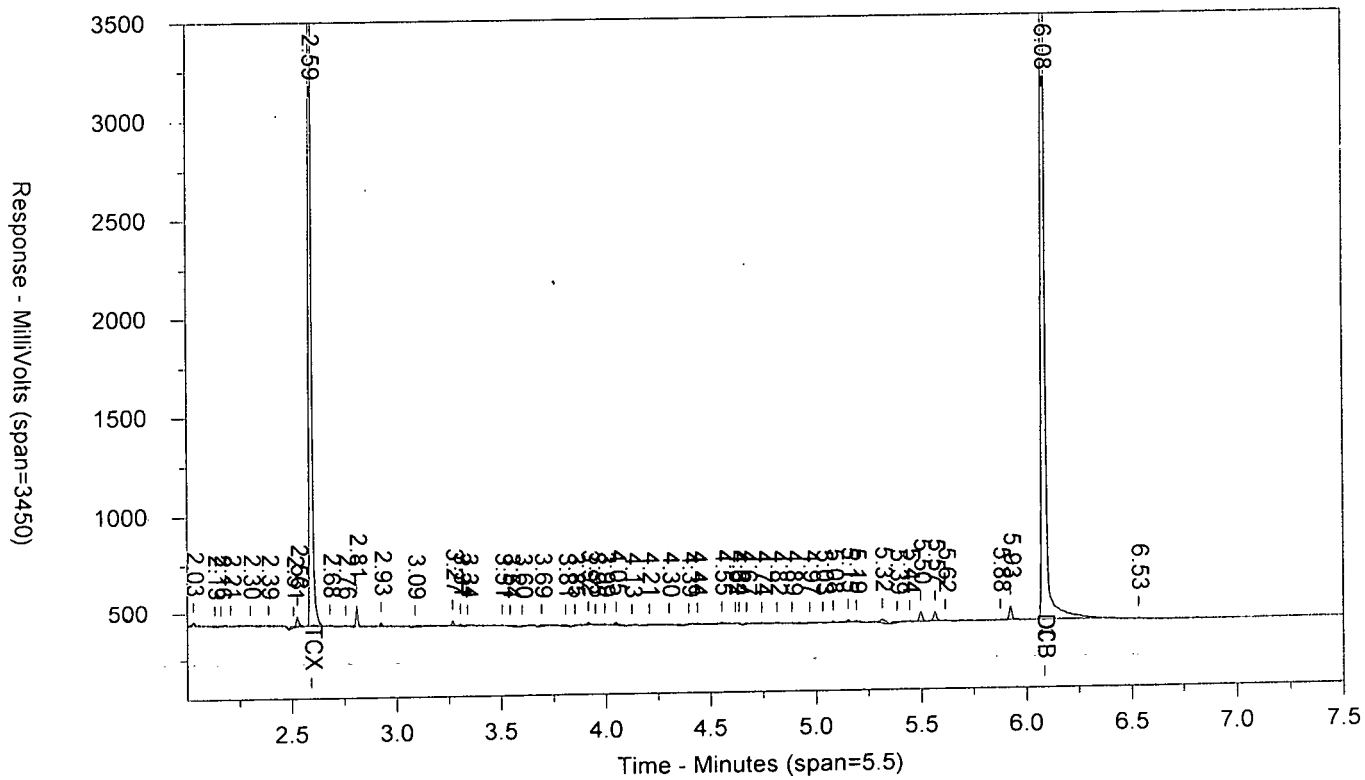


LANCASTER LABORATORIES

Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

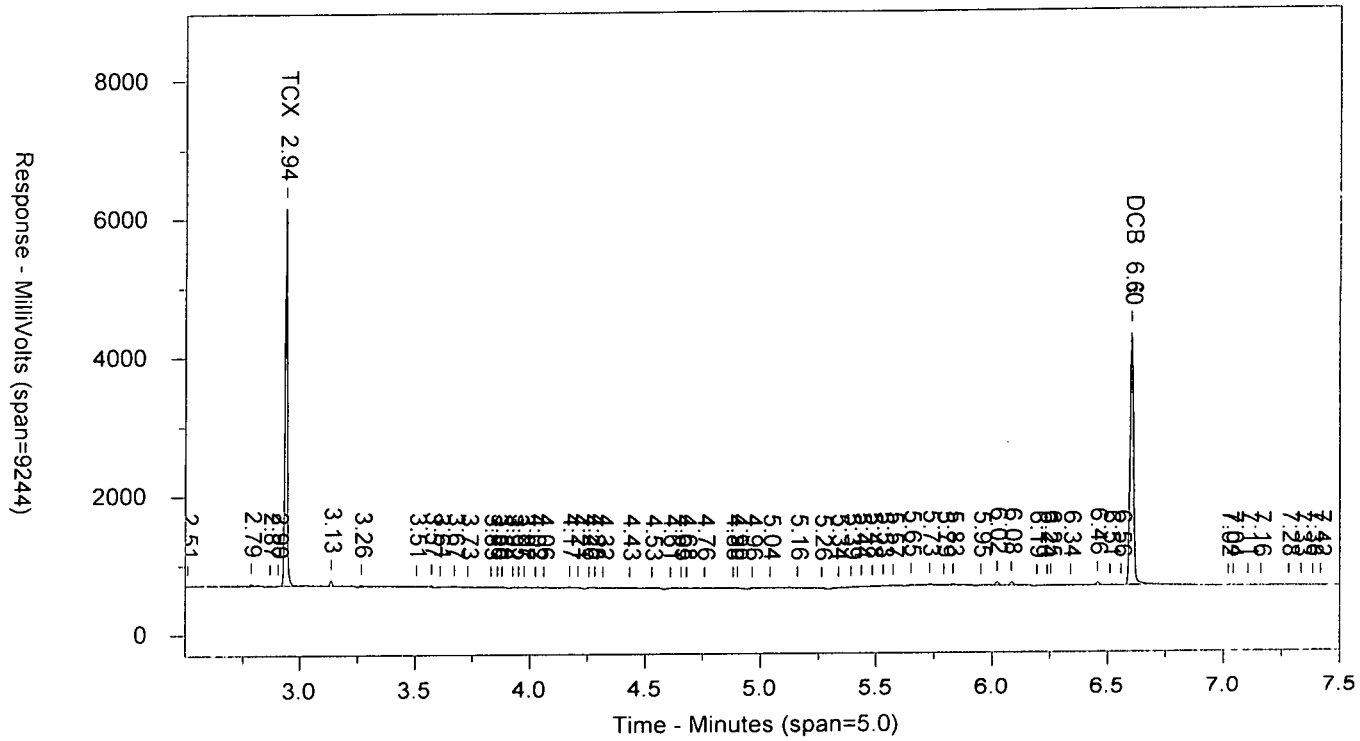
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5469796 | .2 | TCX | 2.592 | 7856349 | .19 | TCX |
| 6.602 | 3602885 | .179 | DCB | 6.084 | 6916090 | .183 | DCB |

Files:
Area File: 07PCBS17284001.0068.RAW
Area File: 07PCBS17284001B.0068.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:49 AM

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0068.RAW

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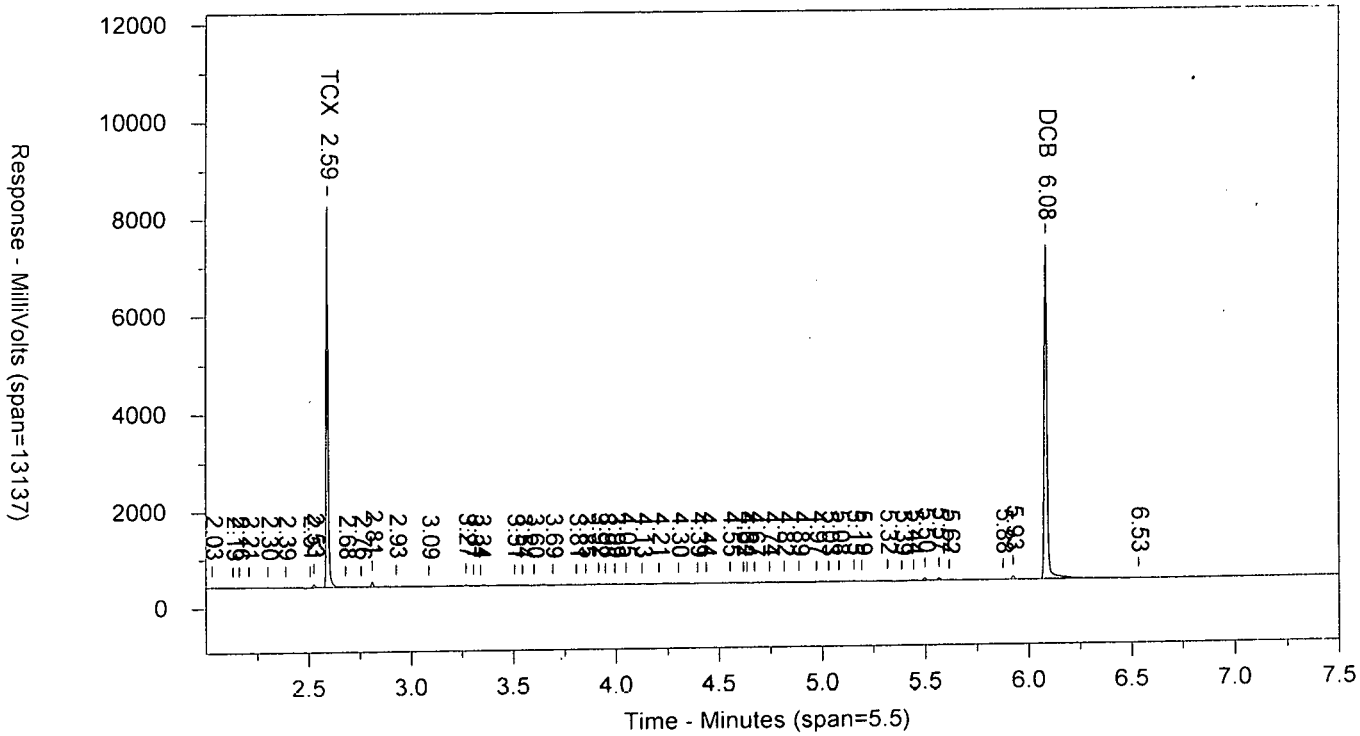

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

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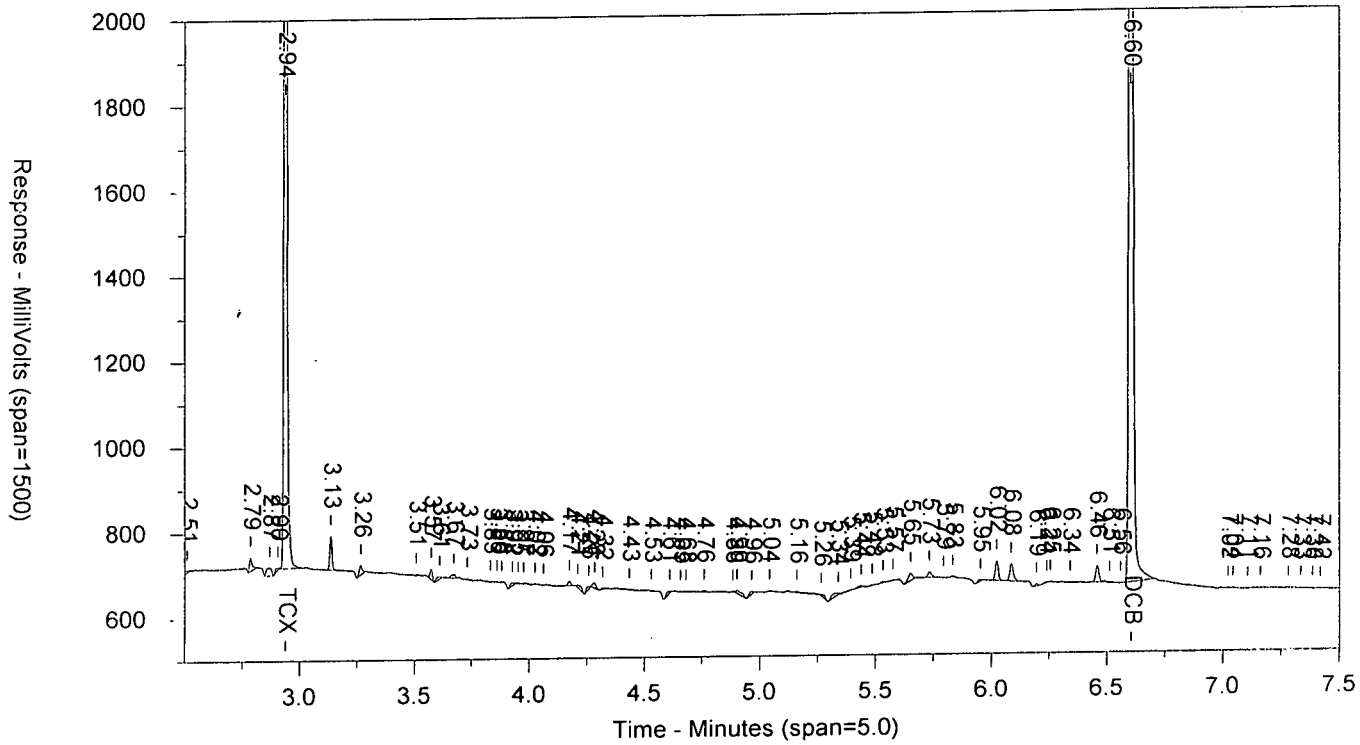


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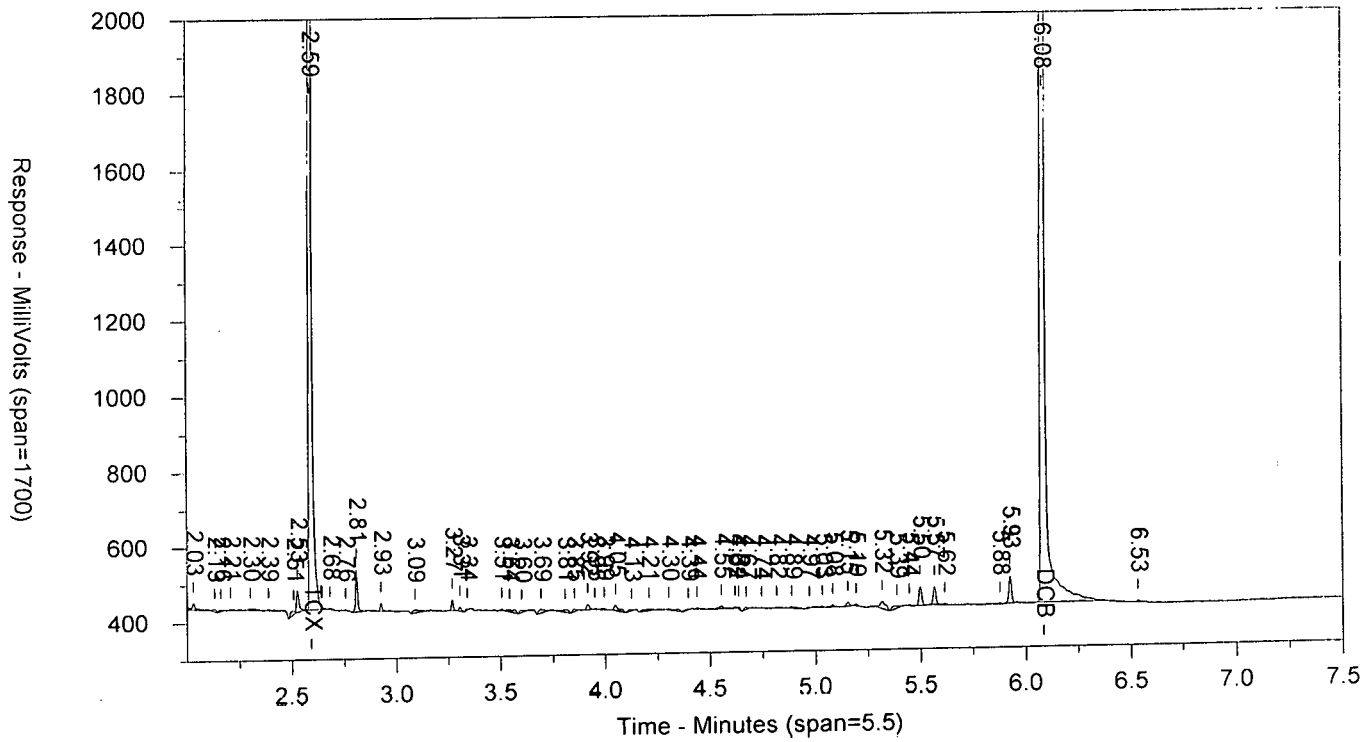

LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0087.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.578 | | 26705 | 27904 |
| 1.618 | | 5229 | 13460 |
| 1.737 | | 1943 | 1017 |
| 1.846 | | 2303 | 4675 |
| 2.065 | | 14984 | 42915 |
| 2.089 | | 15989 | 22797 |
| 2.161 | | 2976 | 1362 |
| 2.235 | | 56301 | 34592 |
| 2.334 | | 12658 | 5940 |
| 2.497 | | 7107 | 7661 |
| 2.544 | | 2909 | 1649 |
| 2.576 | | 9530 | 5984 |
| 2.786 | | 57668 | 43093 |
| 2.859 | | 6195 | 4571 |
| 2.9 | | 5960 | 4819 |
| 2.937 | TCX | 11376870 | 7564257 |
| 3.086 | | 173243 | 155478 |
| 3.141 | | 258151 | 247417 |
| 3.189 | | 984525 | 730308 |
| 3.265 | | 24325 | 16276 |
| 3.282 | | 124581 | 79202 |
| 3.324 | | 2424 | 1592 |
| 3.403 | | 1055728 | 615343 |
| 3.42 | | 524198 | 276225 |
| 3.457 | | 129095 | 73439 |
| 3.472 | | 19352 | 7012 |
| 3.484 | | 77807 | 41087 |
| 3.517 | | 1241006 | 916189 |
| 3.554 | | 5483 | 2810 |
| 3.573 | | 41609 | 25356 |
| 3.593 | | 43166 | 27012 |
| 3.627 | | 300600 | 172698 |
| 3.641 | | 154344 | 77318 |
| 3.684 | | 681161 | 375224 |
| 3.695 | | 1340124 | 635074 |
| 3.732 | | 1483258 | 1131363 |
| 3.79 | | 1307766 | 984769 |
| 3.832 | | 107630 | 74923 |
| 3.859 | | 910632 | 655641 |
| 3.886 | | 628083 | 528575 |
| 3.907 | | 172930 | 83783 |
| 3.981 | | 1026959 | 707406 |
| 4.006 | | 369977 | 247390 |
| 4.037 | | 404066 | 288517 |
| 4.071 | | 1107194 | 1025274 |
| 4.11 | | 346862 | 278846 |
| 4.157 | | 53386 | 45248 |
| 4.196 | | 77150 | 56493 |
| 4.23 | | 1026656 | 749714 |
| 4.249 | | 268571 | 145432 |
| 4.272 | | 324527 | 247459 |
| 4.342 | | 179333 | 151237 |
| 4.385 | | 1153166 | 1095646 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.418 | | 38535 | 26537 |
| 4.479 | | 10342 | 7435 |
| 4.522 | | 104305 | 93645 |
| 4.573 | | 155542 | 96000 |
| 4.59 | | 279606 | 196635 |
| 4.634 | | 724242 | 654262 |
| 4.683 | | 1172248 | 1248065 |
| 4.72 | | 259781 | 184117 |
| 4.758 | | 2235708 | 2084410 |
| 4.802 | | 7913 | 5362 |
| 4.844 | | 343098 | 347667 |
| 4.878 | | 19873 | 12426 |
| 4.905 | | 385913 | 361040 |
| 4.957 | | 2174718 | 2748063 |
| 5.008 | | 459760 | 424429 |
| 5.048 | | 1035424 | 1156522 |
| 5.09 | | 7503 | 2612 |
| 5.129 | | 227908 | 256832 |
| 5.161 | | 2752160 | 2492962 |
| 5.184 | | 117634 | 59634 |
| 5.202 | | 30301 | 12433 |
| 5.228 | | 1724121 | 1572376 |
| 5.271 | | 1031547 | 983473 |
| 5.365 | | 380664 | 314911 |
| 5.391 | | 1492969 | 1412143 |
| 5.447 | | 887643 | 819309 |
| 5.486 | | 537503 | 545880 |
| 5.529 | | 106607 | 111759 |
| 5.571 | | 693569 | 773459 |
| 5.628 | | 4843147 | 5523050 |
| 5.832 | | 3063407 | 2935714 |
| 5.863 | | 181807 | 110749 |
| 5.888 | | 770293 | 878369 |
| 6.023 | | 155597 | 151535 |
| 6.102 | | 619040 | 858912 |
| 6.257 | | 1165585 | 1201954 |
| 6.301 | | 67555 | 59502 |
| 6.408 | | 1463 | 457 |
| 6.458 | | 350319 | 355686 |
| 6.604 | DCB | 7413610 | 7584365 |
| 7.005 | | 1164 | 430 |
| 7.049 | | 5425 | 5846 |
| 7.149 | | 1744 | 1007 |
| 7.208 | | 1083 | 386 |
| 7.392 | | 1658 | 465 |
| 7.641 | | 1258 | 574 |
| 7.803 | | 1417 | 530 |
| 7.917 | | 1286 | 366 |
| 8.015 | | 1760 | 316 |
| 8.171 | | 838 | 331 |
| 8.202 | | 1582 | 628 |
| 8.225 | | 1760 | 749 |
| 8.257 | | 1340 | 493 |
| 8.302 | | 1554 | 895 |
| 8.605 | | 1832 | 1044 |

LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0087.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.53 | | 3208 | 2308 |
| 1.746 | | 2548 | 1641 |
| 1.831 | | 1394 | 8634 |
| 1.903 | | 111617 | 91238 |
| 1.967 | | 14987 | 22834 |
| 2.03 | | 35134 | 24937 |
| 2.134 | | 8726 | 6975 |
| 2.162 | | 4629 | 5119 |
| 2.276 | | 18146 | 16356 |
| 2.387 | | 4004 | 3167 |
| 2.506 | | 8974 | 12141 |
| 2.525 | | 83407 | 75980 |
| 2.591 | TCX | 18358540 | 11246110 |
| 2.635 | | 85233 | 44879 |
| 2.763 | | 306799 | 228470 |
| 2.809 | | 190015 | 89572 |
| 2.824 | | 281984 | 145999 |
| 2.876 | | 1544297 | 975839 |
| 2.925 | | 46533 | 26563 |
| 2.987 | | 212907 | 136736 |
| 3.084 | | 1975608 | 1900106 |
| 3.135 | | 244170 | 147854 |
| 3.156 | | 111852 | 62979 |
| 3.181 | | 166949 | 93467 |
| 3.205 | | 1886494 | 1255210 |
| 3.242 | | 72704 | 43337 |
| 3.269 | | 63762 | 31630 |
| 3.288 | | 511800 | 262548 |
| 3.304 | | 306605 | 146817 |
| 3.354 | | 1003339 | 470512 |
| 3.363 | | 2222246 | 886027 |
| 3.383 | | 87115 | 32450 |
| 3.397 | | 1932936 | 1303935 |
| 3.471 | | 2125623 | 1315001 |
| 3.506 | | 1459933 | 907393 |
| 3.529 | | 1548882 | 869579 |
| 3.547 | | 533989 | 269240 |
| 3.595 | | 4276 | 3078 |
| 3.632 | | 1862592 | 1181403 |
| 3.654 | | 704681 | 377997 |
| 3.675 | | 668567 | 388553 |
| 3.703 | | 452178 | 229619 |
| 3.721 | | 1536221 | 916884 |
| 3.761 | | 558832 | 390653 |
| 3.81 | | 71891 | 64001 |
| 3.831 | | 375512 | 225519 |
| 3.854 | | 1982969 | 1273160 |
| 3.878 | | 433278 | 248953 |
| 3.897 | | 67887 | 33196 |
| 3.917 | | 256332 | 156640 |
| 3.952 | | 1583293 | 1091658 |
| 3.985 | | 69719 | 38963 |
| 4 | | 123611 | 73403 |
| 4.048 | | 7149 | 3432 |

| | | | |
|---|---|---|---|
| 4.061 | | 9366 | 5023 |
| 4.095 | | 108682 | 93681 |
| 4.152 | | 426530 | 308019 |
| 4.193 | | 485484 | 293529 |
| 4.212 | | 434156 | 199425 |
| 4.225 | | 1184491 | 666235 |
| 4.25 | | 653370 | 677310 |
| 4.302 | | 3723062 | 2711487 |
| 4.351 | | 48234 | 34515 |
| 4.372 | | 318778 | 204452 |
| 4.396 | | 830360 | 591415 |
| 4.439 | | 4440174 | 3384948 |
| 4.541 | | 3239898 | 3328396 |
| 4.593 | | 439872 | 357288 |
| 4.632 | | 1016474 | 853433 |
| 4.668 | | 4258462 | 3457403 |
| 4.7 | | 2335373 | 1608153 |
| 4.738 | | 1566178 | 1229149 |
| 4.837 | | 496355 | 359301 |
| 4.855 | | 57031 | 27666 |
| 4.888 | | 2850159 | 2199040 |
| 4.91 | | 315854 | 203110 |
| 4.962 | | 1448151 | 1301135 |
| 4.997 | | 732757 | 585518 |
| 5.028 | | 575358 | 460234 |
| 5.06 | | 176241 | 114106 |
| 5.082 | | 6376092 | 5518658 |
| 5.124 | | 126517 | 89304 |
| 5.154 | | 260347 | 201871 |
| 5.274 | | 79208 | 50208 |
| 5.298 | | 1397607 | 1177709 |
| 5.344 | | 4248303 | 4913978 |
| 5.498 | | 191503 | 162339 |
| 5.545 | | 91528 | 66338 |
| 5.567 | | 134488 | 101353 |
| 5.616 | | 825853 | 734178 |
| 5.725 | | 1737127 | 1519942 |
| 5.757 | | 82716 | 55970 |
| 5.925 | | 602286 | 572462 |
| 6.047 | | 2720 | 1687 |
| 6.084 | DCB | 14636840 | 13510200 |
| 6.537 | | 10297 | 9826 |
| 6.607 | | 1990 | 2037 |
| 6.772 | | 4459 | 5150 |
| 8.164 | | 9816 | 21217 |

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

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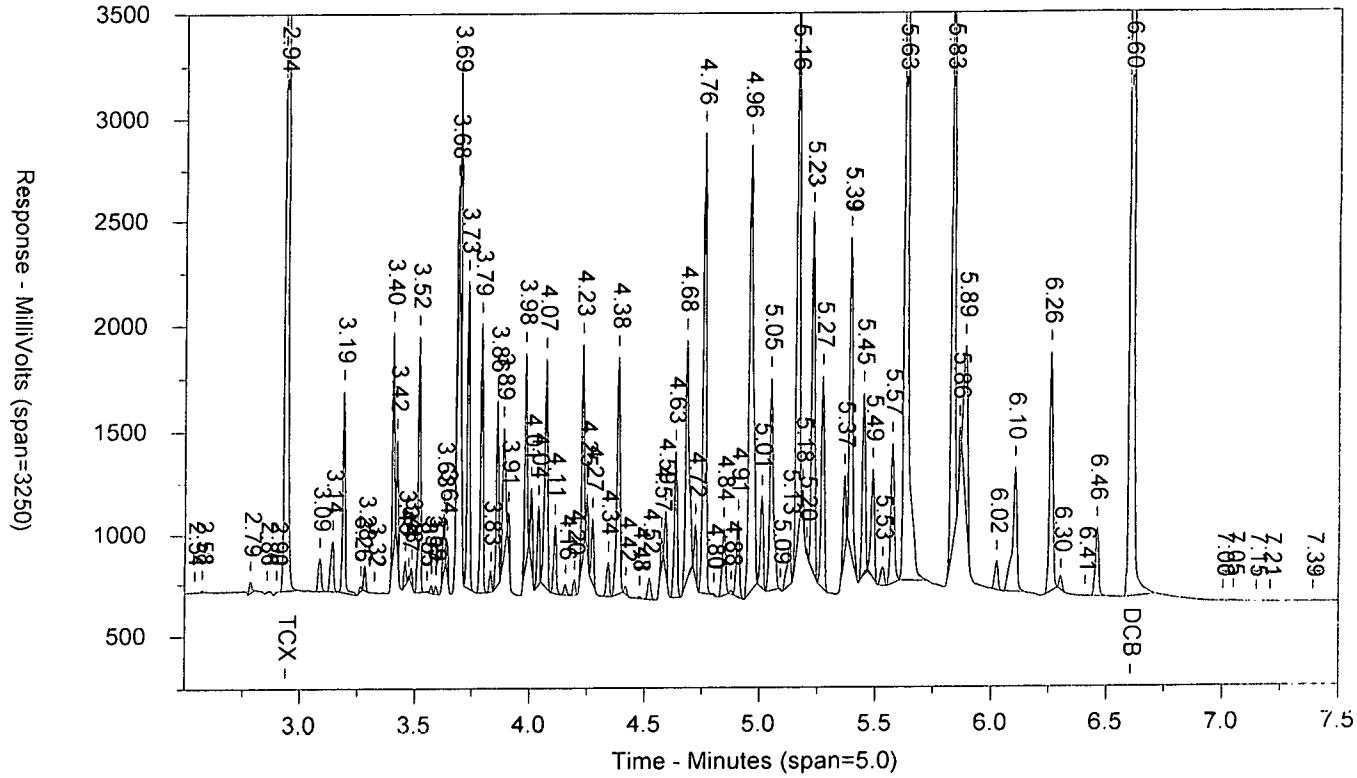


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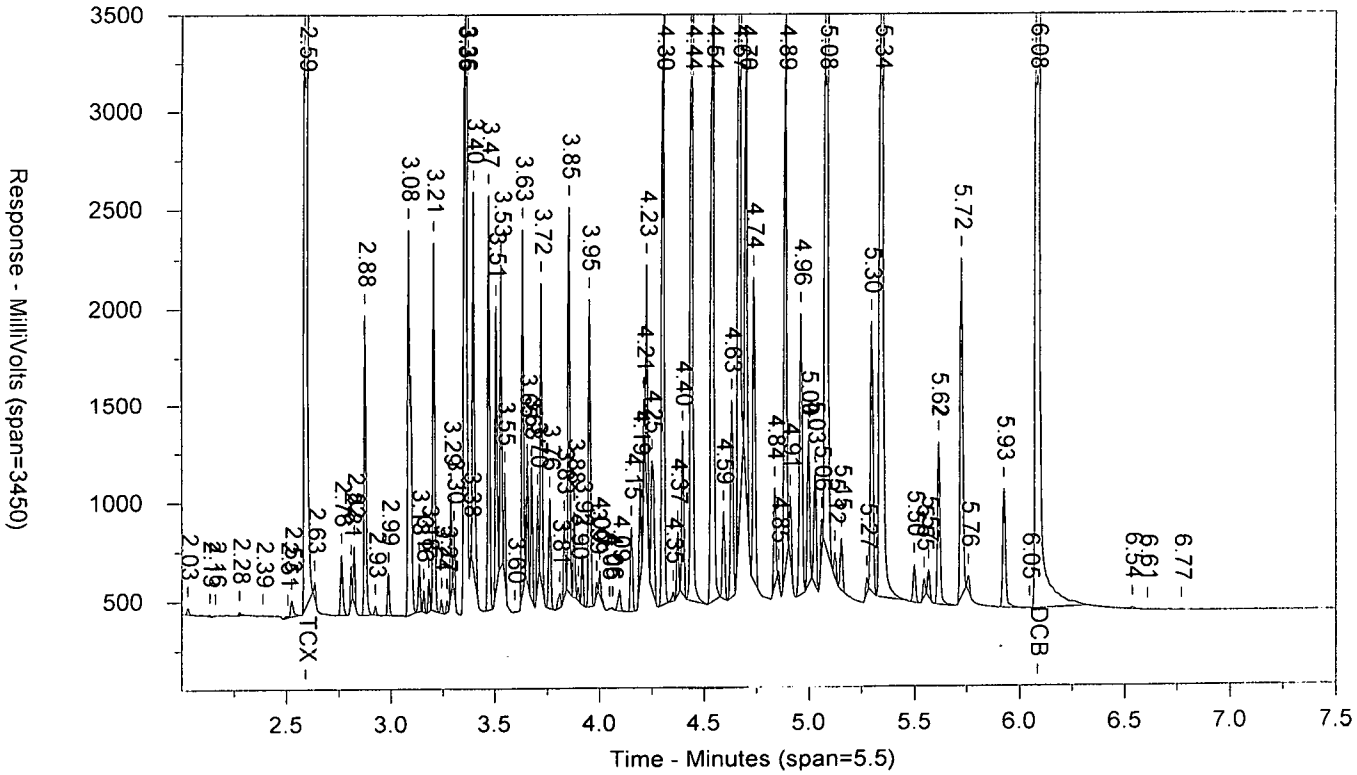


LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

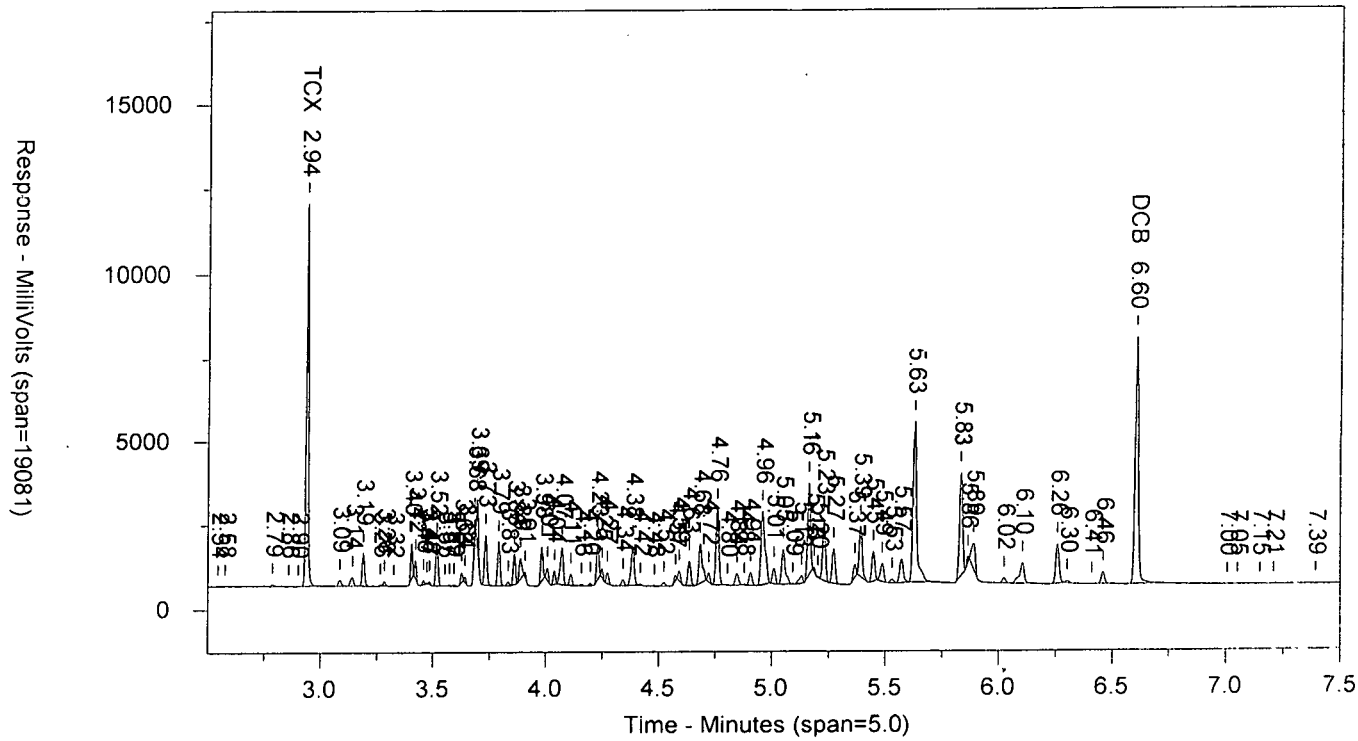
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 11376870 | 41.503 | TCX | 2.591 | 18358540 | 44.288 | TCX |
| 6.604 | 7413610 | 36.74 | DCB | 6.084 | 14636840 | 38.665 | DCB |

Files:
Area File: 07PCBS17284001.0087.RAW
Area File: 07PCBS17284001B.0087.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:34:46 AM
File Reported On: 10/12/2017 at 11:34:56 AM

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0087.RAW

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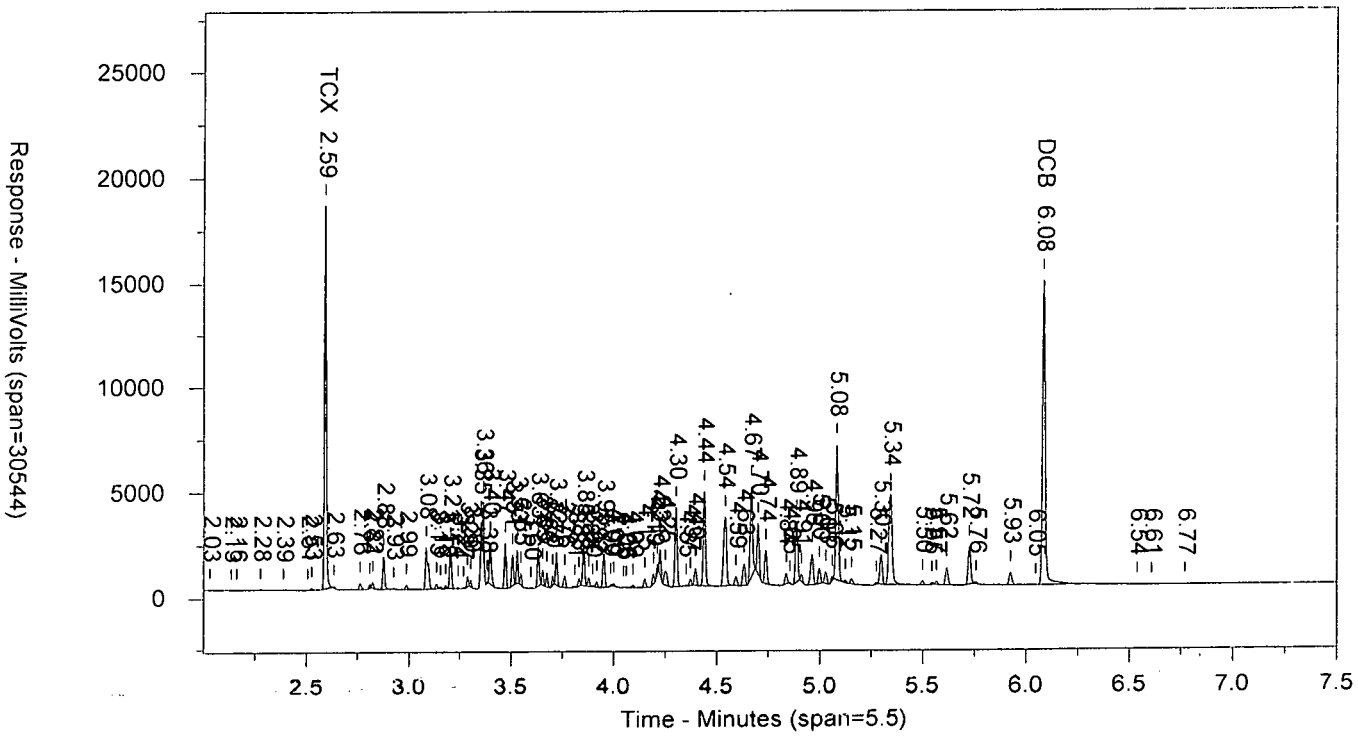

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

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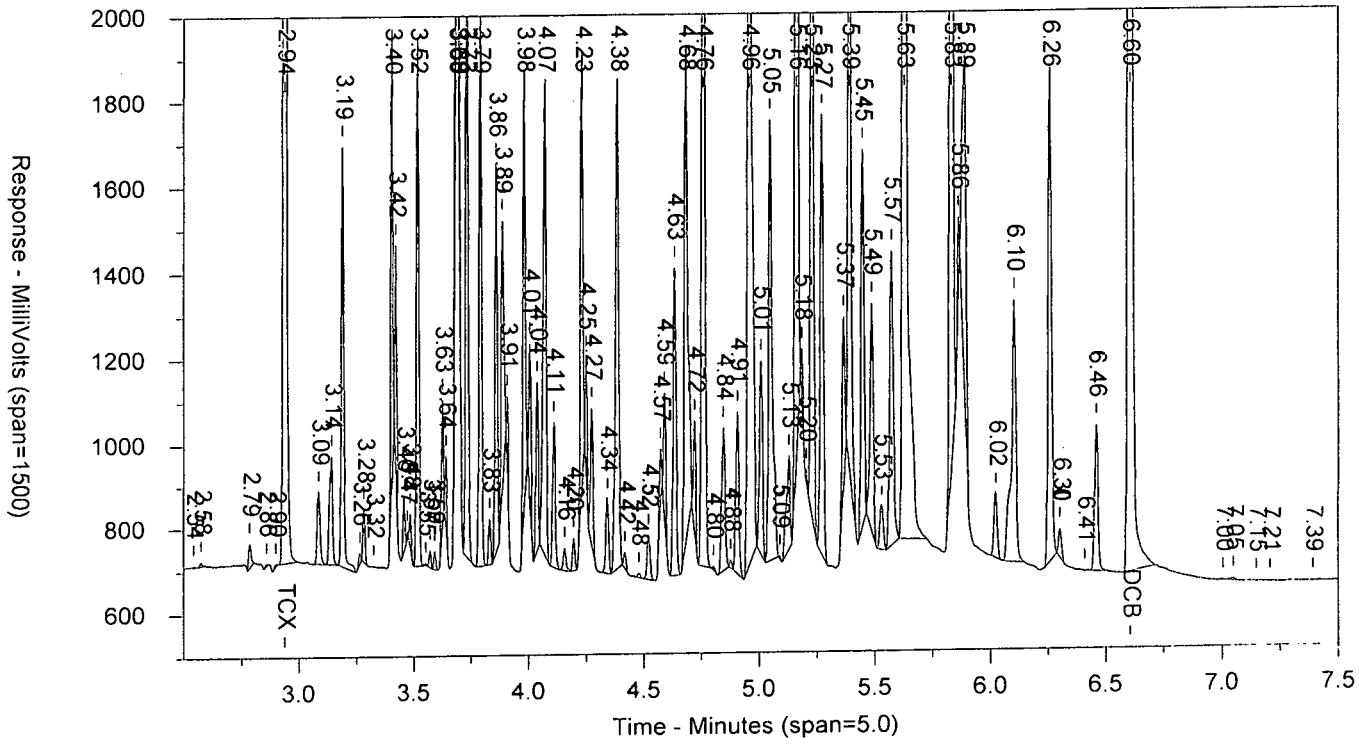


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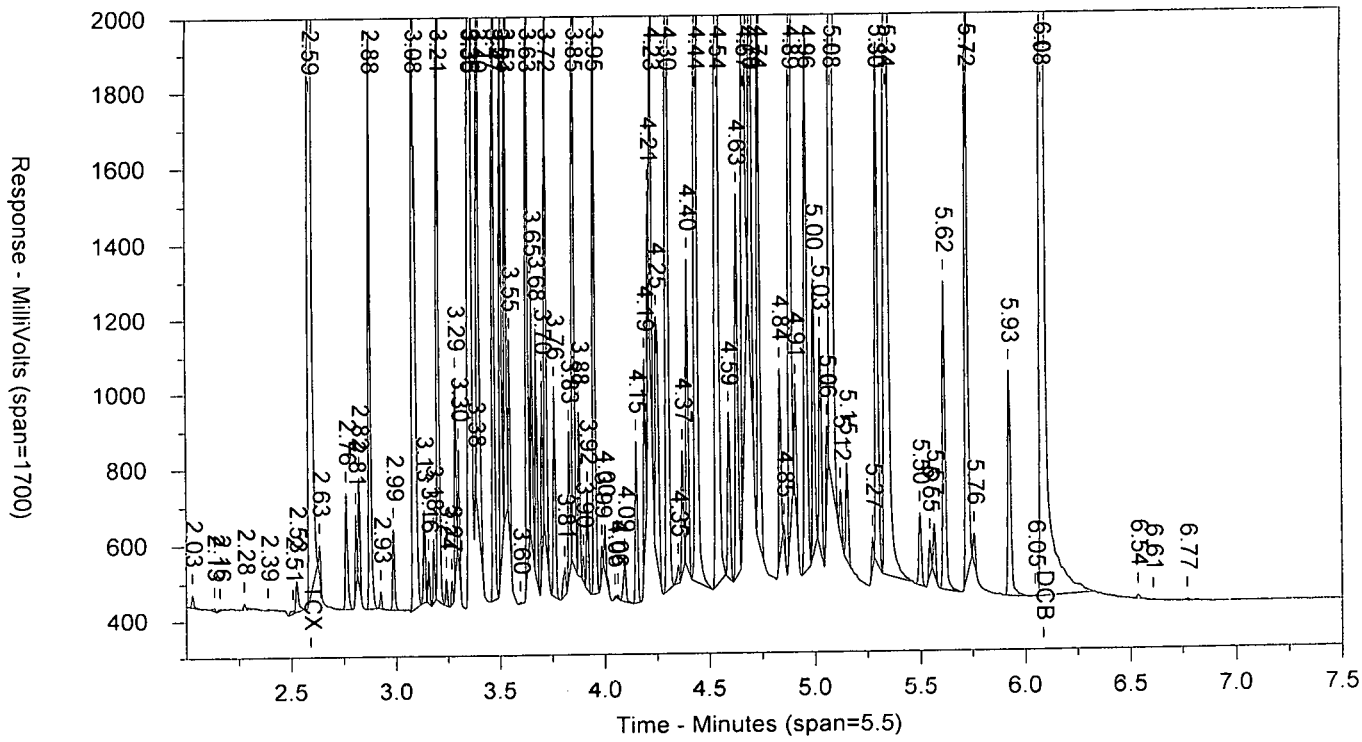


LANCASTER LABORATORIES

Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0088.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.581 | | 15178 | 17460 |
| 1.602 | | 7278 | 9421 |
| 1.874 | | 1653 | 831 |
| 2.062 | | 11372 | 31137 |
| 2.09 | | 6934 | 8442 |
| 2.167 | | 2504 | 1792 |
| 2.235 | | 26413 | 17957 |
| 2.333 | | 34122 | 28292 |
| 2.493 | | 7922 | 5683 |
| 2.542 | | 3210 | 1374 |
| 2.693 | | 1691 | 1911 |
| 2.787 | | 8112 | 5671 |
| 2.861 | | 15322 | 24101 |
| 2.903 | | 5797 | 6785 |
| 2.937 | TCX | 5583595 | 3728596 |
| 3.134 | | 81326 | 53010 |
| 3.264 | | 24475 | 24698 |
| 3.511 | | 5839 | 4673 |
| 3.573 | | 28841 | 18632 |
| 3.605 | | 3242 | 4051 |
| 3.646 | | 1967 | 728 |
| 3.674 | | 14417 | 15086 |
| 3.85 | | 1158 | 1320 |
| 3.88 | | 1057 | 299 |
| 3.892 | | 4803 | 3849 |
| 3.921 | | 1813 | 1015 |
| 3.942 | | 1005 | 426 |
| 3.987 | | 2116 | 1989 |
| 4.025 | | 1885 | 1735 |
| 4.06 | | 1839 | 635 |
| 4.138 | | 1957 | 1275 |
| 4.173 | | 11255 | 10336 |
| 4.222 | | 4280 | 2976 |
| 4.255 | | 5092 | 4484 |
| 4.283 | | 11022 | 12086 |
| 4.313 | | 1669 | 533 |
| 4.321 | | 1807 | 518 |
| 4.515 | | 1456 | 876 |
| 4.606 | | 5814 | 7480 |
| 4.743 | | 1229 | 352 |
| 4.757 | | 3241 | 1650 |
| 4.876 | | 1821 | 1008 |
| 4.904 | | 6893 | 12112 |
| 4.963 | | 4436 | 5987 |
| 4.991 | | 1716 | 1641 |
| 5.04 | | 1551 | 1246 |
| 5.099 | | 1276 | 381 |
| 5.122 | | 3591 | 2926 |
| 5.161 | | 5093 | 4916 |
| 5.326 | | 2266 | 6510 |
| 5.393 | | 2317 | 5101 |
| 5.433 | | 4328 | 7007 |
| 5.492 | | 1754 | 2920 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.533 | | 2782 | 3423 |
| 5.577 | | 2300 | 3233 |
| 5.601 | | 4518 | 3589 |
| 5.649 | | 16032 | 21339 |
| 5.685 | | 1473 | 316 |
| 5.705 | | 1440 | 577 |
| 5.733 | | 14145 | 16588 |
| 5.832 | | 4771 | 3709 |
| 5.954 | | 3144 | 5173 |
| 6.022 | | 45521 | 43136 |
| 6.085 | | 38924 | 39623 |
| 6.13 | | 1552 | 640 |
| 6.194 | | 7234 | 5666 |
| 6.257 | | 3458 | 6028 |
| 6.304 | | 1832 | 1480 |
| 6.337 | | 1410 | 1042 |
| 6.386 | | 2148 | 939 |
| 6.456 | | 39756 | 37942 |
| 6.485 | | 2562 | 2489 |
| 6.549 | | 1508 | 394 |
| 6.603 | DCB | 3706717 | 3779212 |
| 7.002 | | 1568 | 667 |
| 7.049 | | 2331 | 1678 |
| 7.137 | | 1242 | 537 |
| 7.192 | | 1543 | 811 |
| 7.289 | | 2017 | 2982 |
| 7.378 | | 1299 | 999 |
| 7.406 | | 1623 | 579 |
| 7.467 | | 1679 | 580 |
| 7.523 | | 1497 | 440 |
| 7.553 | | 1587 | 617 |
| 7.599 | | 1316 | 337 |
| 7.727 | | 1186 | 351 |
| 7.75 | | 1559 | 641 |
| 7.79 | | 1404 | 725 |
| 7.842 | | 1708 | 1131 |
| 7.891 | | 1212 | 569 |
| 7.993 | | 1184 | 339 |
| 8.029 | | 1393 | 370 |
| 8.047 | | 1763 | 839 |
| 8.138 | | 1193 | 386 |
| 8.256 | | 1715 | 882 |
| 8.436 | | 1271 | 638 |
| 8.508 | | 1833 | 332 |
| 8.572 | | 1410 | 2037 |

LANCASTER LABORATORIES

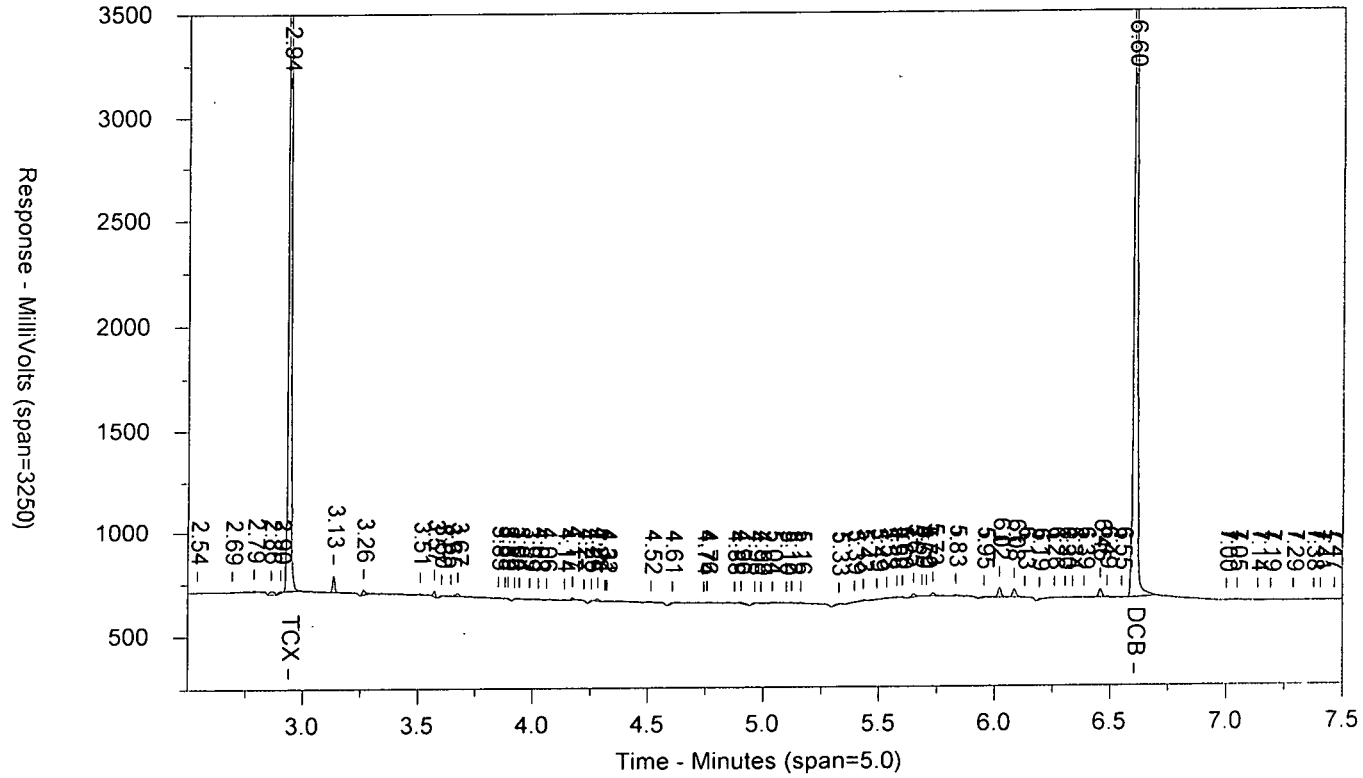
Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0088.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 2830 | 2381 |
| 1.558 | | 4370 | 3444 |
| 1.704 | | 4532 | 9771 |
| 1.723 | | 4475 | 2265 |
| 1.749 | | 4266 | 4037 |
| 1.798 | | 3558 | 2886 |
| 1.901 | | 83277 | 69477 |
| 1.967 | | 9294 | 15336 |
| 2.03 | | 18387 | 16250 |
| 2.126 | | 4205 | 5638 |
| 2.16 | | 4216 | 4949 |
| 2.215 | | 3255 | 4274 |
| 2.302 | | 4438 | 13560 |
| 2.388 | | 6799 | 8212 |
| 2.509 | | 5410 | 11218 |
| 2.525 | | 13800 | 11344 |
| 2.592 | TCX | 9191549 | 5620498 |
| 2.755 | | 4358 | 5005 |
| 2.809 | | 124561 | 82963 |
| 2.926 | | 25418 | 15882 |
| 3.098 | | 5785 | 13736 |
| 3.163 | | 3852 | 2939 |
| 3.27 | | 42157 | 27079 |
| 3.306 | | 19189 | 12510 |
| 3.336 | | 4735 | 2438 |
| 3.363 | | 5594 | 5600 |
| 3.43 | | 4240 | 2723 |
| 3.505 | | 3081 | 2260 |
| 3.597 | | 3473 | 3420 |
| 3.635 | | 3446 | 9637 |
| 3.691 | | 4062 | 5622 |
| 3.856 | | 5617 | 8112 |
| 3.918 | | 17452 | 15265 |
| 3.953 | | 3095 | 1573 |
| 3.994 | | 4630 | 5412 |
| 4.049 | | 15715 | 18985 |
| 4.147 | | 4967 | 11226 |
| 4.214 | | 4353 | 11878 |
| 4.303 | | 5094 | 3735 |
| 4.44 | | 5409 | 5395 |
| 4.555 | | 8582 | 12642 |
| 4.592 | | 1972 | 1548 |
| 4.618 | | 2114 | 1730 |
| 4.668 | | 7887 | 8829 |
| 4.701 | | 2511 | 2290 |
| 4.819 | | 3127 | 3298 |
| 4.889 | | 4051 | 2960 |
| 4.957 | | 2152 | 1534 |
| 5.032 | | 4306 | 3459 |
| 5.083 | | 6577 | 5263 |
| 5.154 | | 12612 | 10764 |
| 5.193 | | 4781 | 6897 |
| 5.317 | | 25469 | 48383 |
| 5.429 | | 1659 | 36460 |

| | | | |
|---|---|---|---|
| 5.498 | | 52870 | 47393 |
| 5.567 | | 48347 | 43662 |
| 5.615 | | 3818 | 3365 |
| 5.724 | | 2911 | 2720 |
| 5.925 | | 71335 | 63941 |
| 6.084 | DCB | 6993680 | 6805570 |
| 6.536 | | 5437 | 4580 |
| 8.073 | | 1866 | 3713 |
| 8.164 | | 10542 | 23455 |

IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0088.RAW

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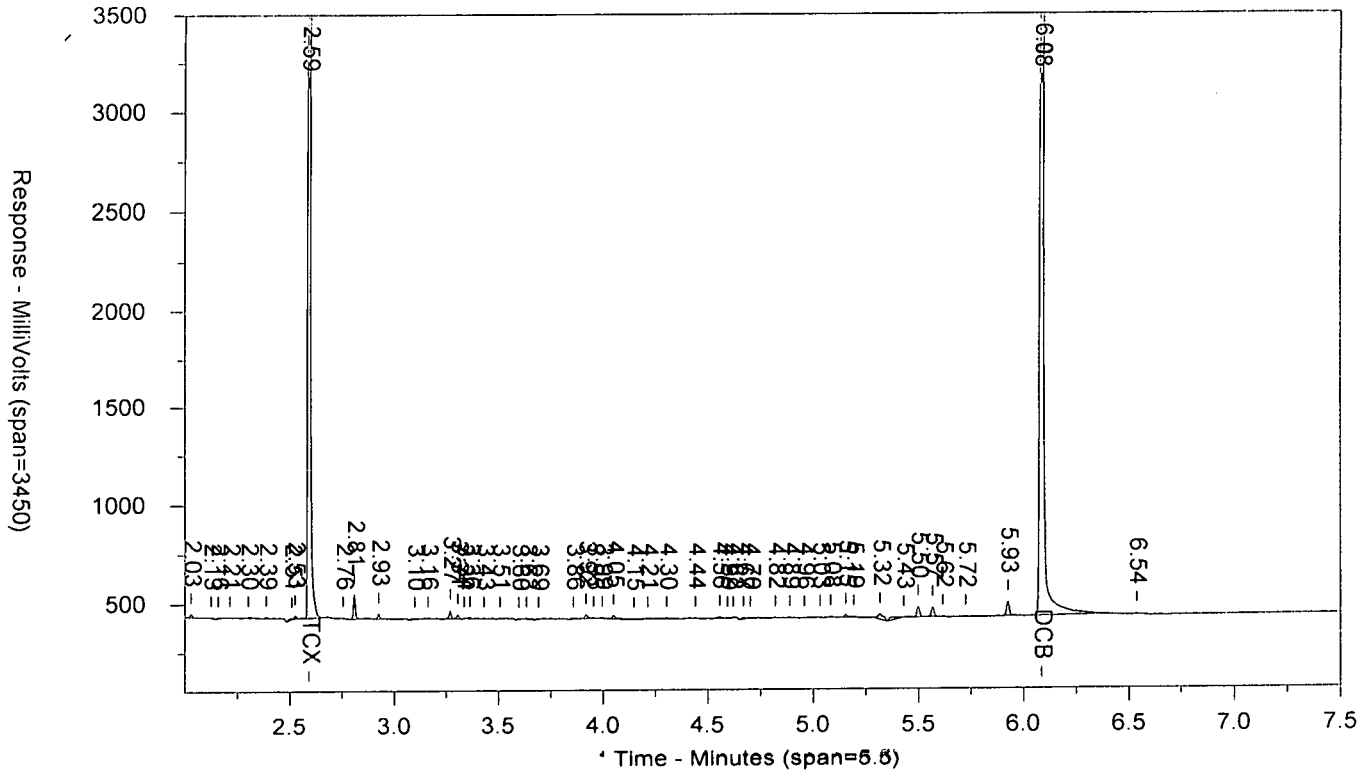

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 5583595 | .204 | TCX | 2.592 | 9191549 | .222 | TCX |
| 6.603 | 3706717 | .184 | DCB | 6.084 | 6993680 | .185 | DCB |

Files:
Area File: 07PCBS17284001.0088.RAW
Area File: 07PCBS17284001B.0088.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:46:11 AM
File Reported On: 10/12/2017 at 11:46:24 AM

IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082

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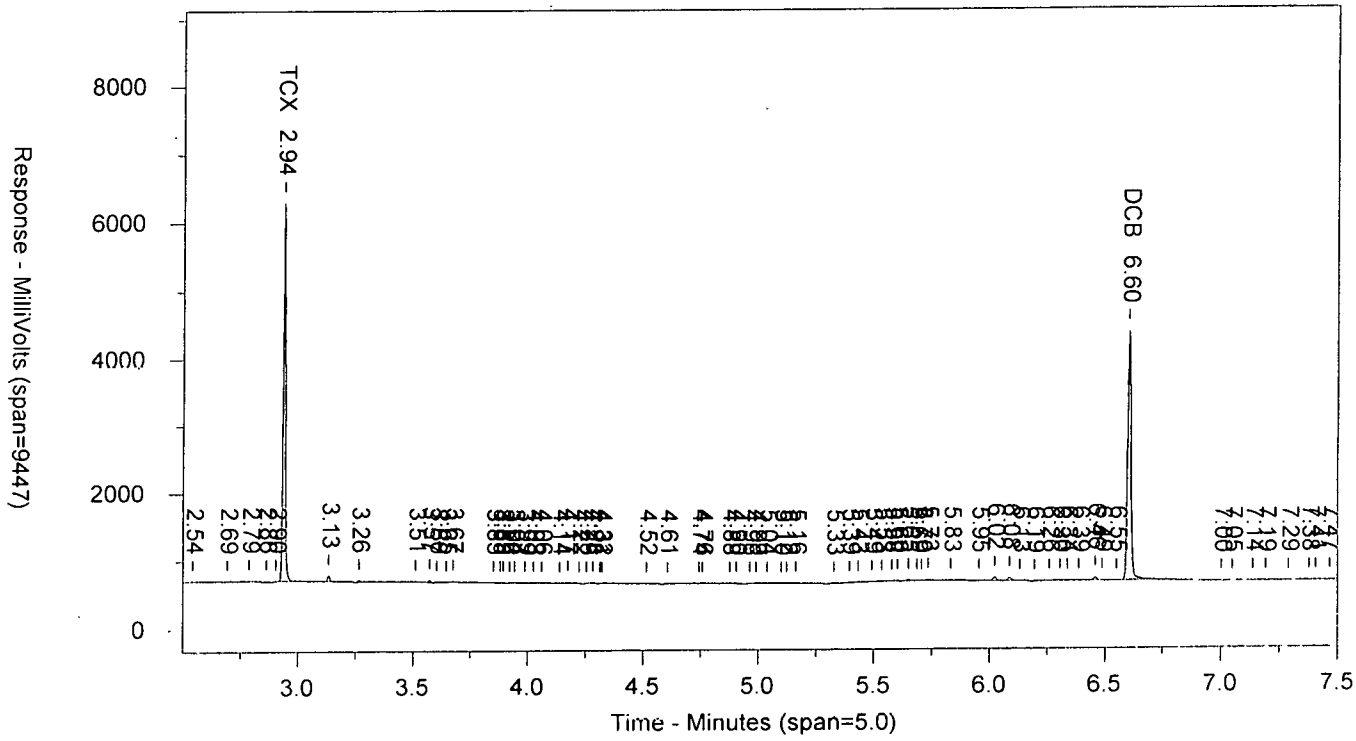


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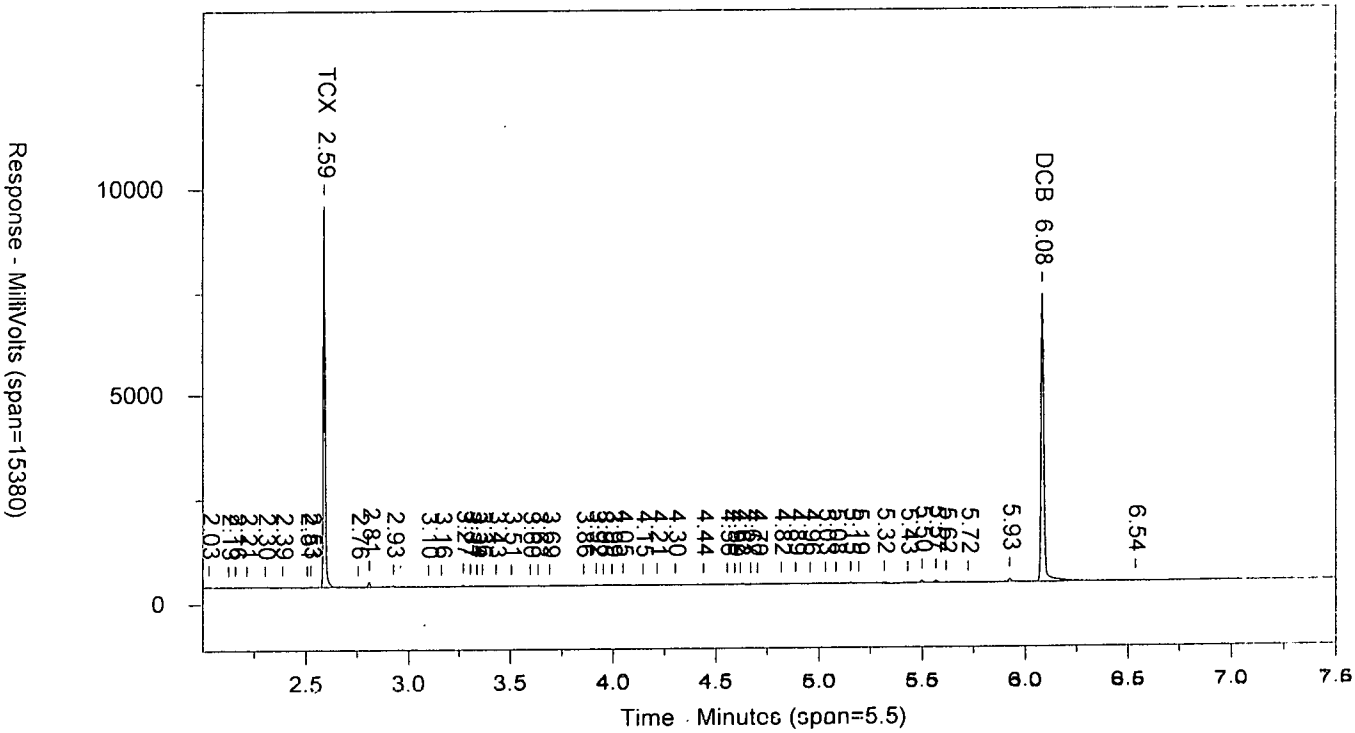

IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082

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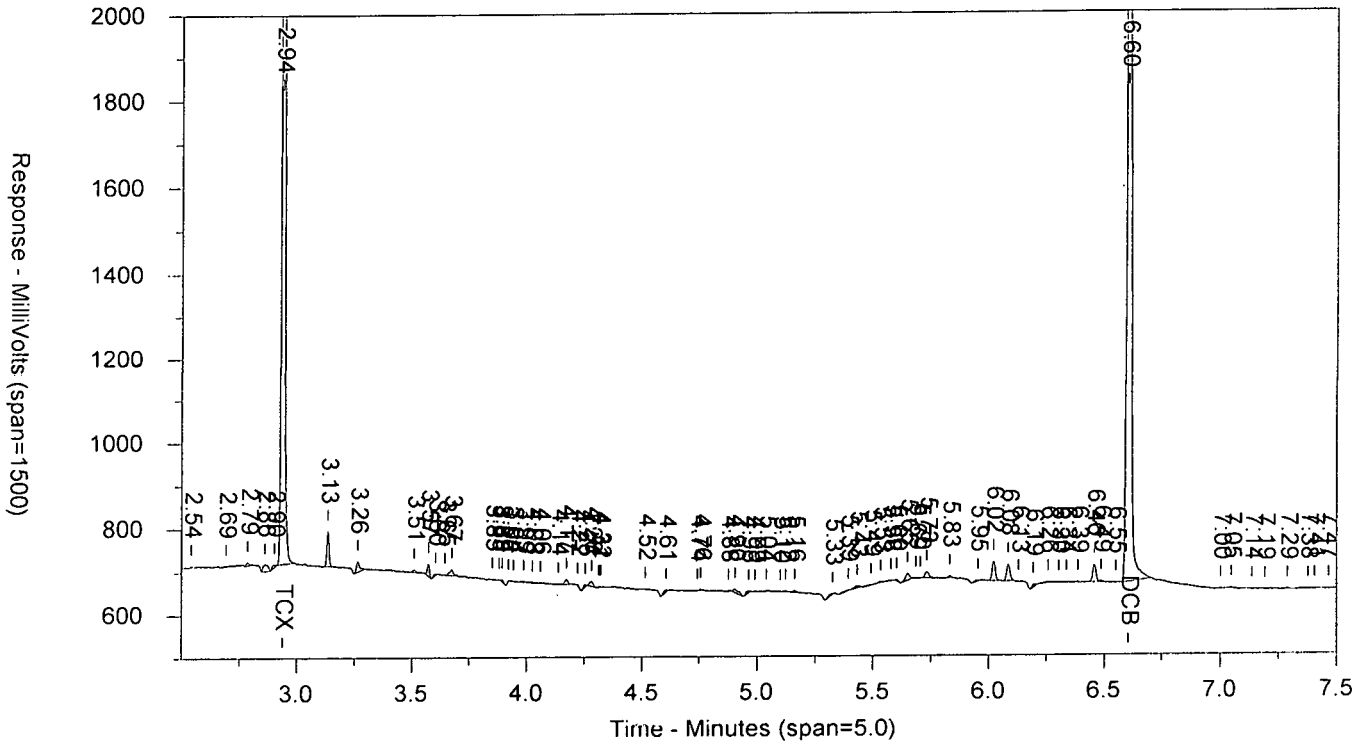


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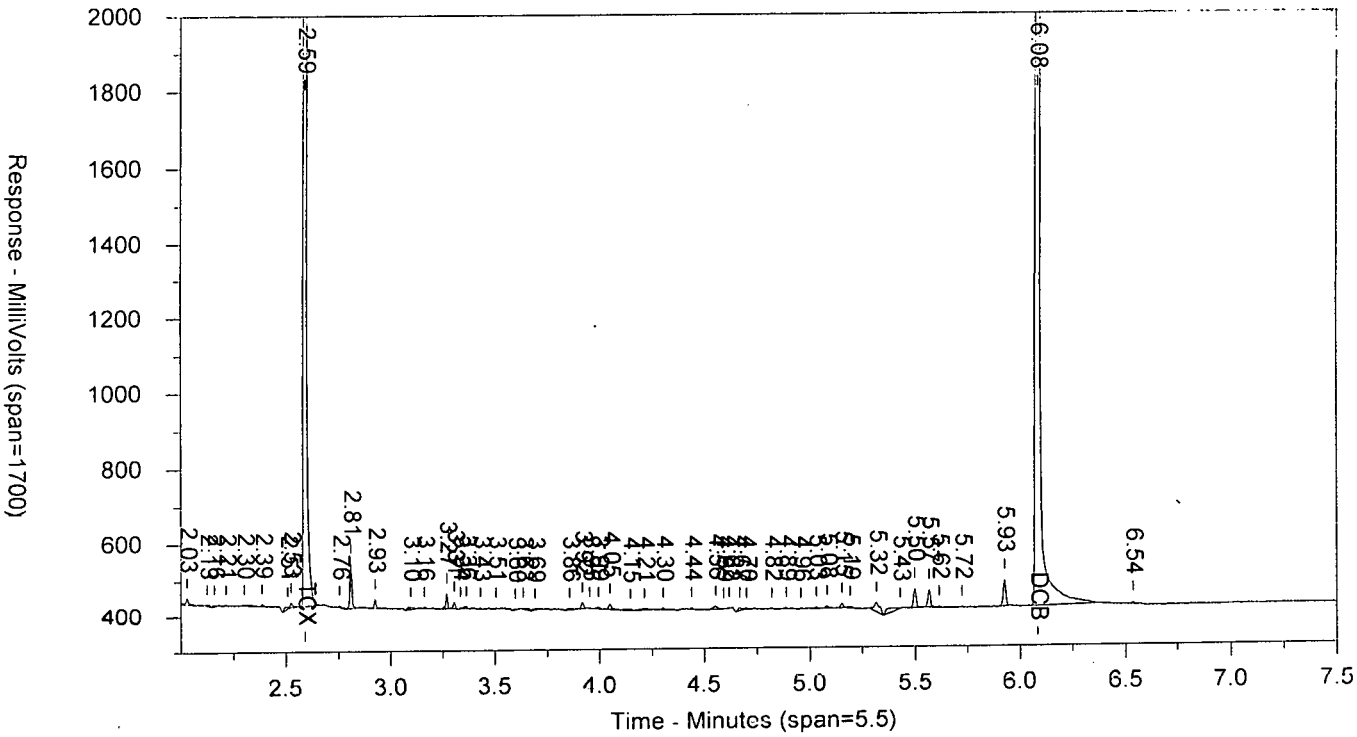


LANCASTER LABORATORIES

Sample Number: AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:10:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289004.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 10396 | 10097 |
| 2.084 | | 9143 | 22807 |
| 2.229 | | 26945 | 20364 |
| 2.336 | | 12453 | 13280 |
| 2.368 | | 2080 | 2228 |
| 2.428 | | 639 | 329 |
| 2.488 | | 7517 | 8665 |
| 2.531 | | 1225 | 1228 |
| 2.567 | | 6089 | 4496 |
| 2.649 | | 955 | 855 |
| 2.711 | | 527 | 289 |
| 2.745 | | 1453 | 1712 |
| 2.777 | | 13318 | 11611 |
| 2.84 | | 1221 | 923 |
| 2.894 | | 4764 | 3671 |
| 2.929 | TCX | 6457215 | 4390449 |
| 3.026 | | 1427 | 1254 |
| 3.075 | | 81532 | 71842 |
| 3.13 | | 139002 | 127984 |
| 3.178 | | 506121 | 365138 |
| 3.256 | | 9261 | 4512 |
| 3.272 | | 55222 | 35712 |
| 3.314 | | 1386 | 1089 |
| 3.367 | | 491 | 349 |
| 3.394 | | 492502 | 300006 |
| 3.41 | | 230341 | 120593 |
| 3.448 | | 61872 | 35086 |
| 3.463 | | 5269 | 1856 |
| 3.474 | | 33026 | 17158 |
| 3.508 | | 633023 | 484085 |
| 3.545 | | 2787 | 1455 |
| 3.564 | | 9125 | 5351 |
| 3.583 | | 17377 | 10214 |
| 3.617 | | 133220 | 76730 |
| 3.632 | | 66229 | 33171 |
| 3.675 | | 262978 | 138360 |
| 3.686 | | 711322 | 357443 |
| 3.723 | | 774745 | 584941 |
| 3.78 | | 654462 | 516386 |
| 3.821 | | 48546 | 34506 |
| 3.849 | | 426088 | 316506 |
| 3.876 | | 288143 | 239278 |
| 3.897 | | 75607 | 41561 |
| 3.972 | | 475505 | 349778 |
| 3.996 | | 155484 | 103146 |
| 4.027 | | 184705 | 132623 |
| 4.06 | | 519417 | 502210 |
| 4.1 | | 160070 | 132671 |
| 4.147 | | 22534 | 20925 |
| 4.185 | | 27992 | 20561 |
| 4.22 | | 429045 | 318758 |
| 4.237 | | 80415 | 42082 |
| 4.261 | | 139060 | 108361 |
| 4.332 | | 74715 | 62345 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.374 | | 486714 | 481777 |
| 4.407 | | 13976 | 9838 |
| 4.469 | | 4497 | 3592 |
| 4.511 | | 44945 | 44353 |
| 4.562 | | 62735 | 41795 |
| 4.578 | | 118096 | 85003 |
| 4.623 | | 313970 | 291971 |
| 4.672 | | 473582 | 523091 |
| 4.709 | | 95001 | 69733 |
| 4.747 | | 1067367 | 1026865 |
| 4.792 | | 7015 | 5801 |
| 4.833 | | 193628 | 194664 |
| 4.867 | | 14344 | 9230 |
| 4.893 | | 196042 | 189986 |
| 4.945 | | 1289991 | 1674138 |
| 4.997 | | 259530 | 241941 |
| 5.036 | | 624503 | 694330 |
| 5.078 | | 4304 | 1772 |
| 5.116 | | 126191 | 155740 |
| 5.15 | | 1687480 | 1776237 |
| 5.217 | | 778048 | 734341 |
| 5.26 | | 472739 | 476602 |
| 5.354 | | 194555 | 157755 |
| 5.378 | | 835927 | 742380 |
| 5.435 | | 439404 | 417451 |
| 5.474 | | 247871 | 261497 |
| 5.515 | | 53390 | 53797 |
| 5.557 | | 278017 | 329769 |
| 5.615 | | 2234418 | 2400779 |
| 5.707 | | 2240 | 3085 |
| 5.765 | | 1076 | 1607 |
| 5.819 | | 1376382 | 1299207 |
| 5.848 | | 79508 | 46744 |
| 5.874 | | 307695 | 345657 |
| 5.953 | | 4069 | 5156 |
| 6.01 | | 80527 | 81248 |
| 6.088 | | 277301 | 391815 |
| 6.162 | | 366 | 344 |
| 6.2 | | 488 | 613 |
| 6.243 | | 593397 | 598795 |
| 6.288 | | 39731 | 38518 |
| 6.376 | | 1124 | 1237 |
| 6.445 | | 190952 | 201091 |
| 6.507 | | 3533 | 5107 |
| 6.541 | | 709 | 351 |
| 6.594 | DCB | 4571323 | 4784554 |
| 6.765 | | 2585 | 4113 |
| 6.871 | | 5358 | 21256 |
| 6.971 | | 722 | 238 |

LANCASTER LABORATORIES

Sample Number: AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:10:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289004B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

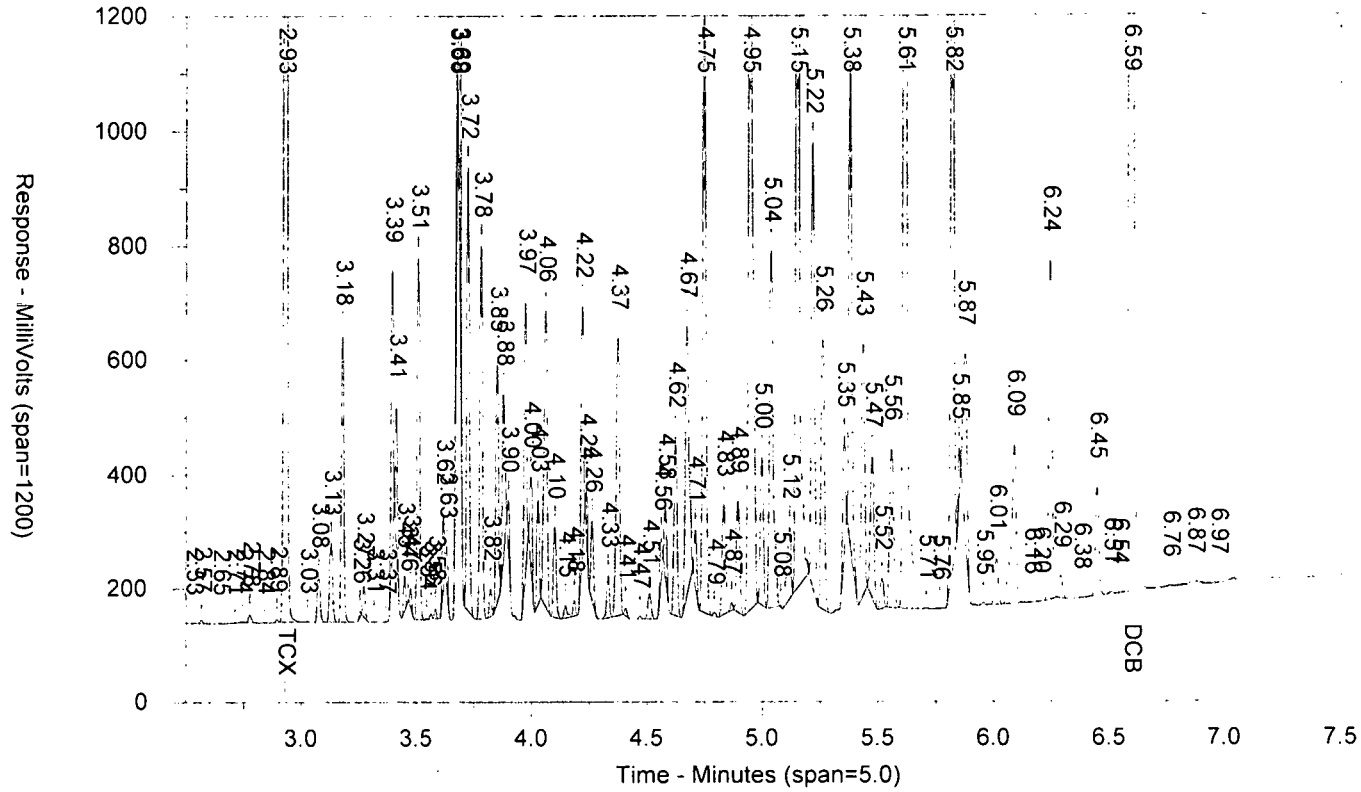
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.053 | | 20552 | 14735 |
| 2.185 | | 6412 | 9075 |
| 2.233 | | 4268 | 4856 |
| 2.298 | | 11771 | 8374 |
| 2.361 | | 2501 | 3332 |
| 2.408 | | 2222 | 1992 |
| 2.525 | | 5568 | 6630 |
| 2.546 | | 20989 | 13071 |
| 2.613 | TCX | 11438930 | 6683291 |
| 2.657 | | 78286 | 56864 |
| 2.702 | | 2912 | 4196 |
| 2.784 | | 176051 | 120737 |
| 2.831 | | 104268 | 50016 |
| 2.845 | | 156317 | 78644 |
| 2.897 | | 898077 | 558284 |
| 2.947 | | 28915 | 17200 |
| 3.007 | | 124688 | 78249 |
| 3.066 | | 1396 | 503 |
| 3.081 | | 671 | 211 |
| 3.103 | | 761738 | 377113 |
| 3.114 | | 248373 | 95454 |
| 3.155 | | 146721 | 89663 |
| 3.175 | | 68923 | 38222 |
| 3.201 | | 108484 | 60615 |
| 3.225 | | 1156360 | 751252 |
| 3.261 | | 44349 | 25669 |
| 3.289 | | 19161 | 9143 |
| 3.308 | | 306464 | 161480 |
| 3.323 | | 178338 | 88545 |
| 3.349 | | 4170 | 2064 |
| 3.373 | | 649222 | 302222 |
| 3.383 | | 1469803 | 606399 |
| 3.403 | | 52730 | 18196 |
| 3.416 | | 1267220 | 832973 |
| 3.49 | | 1352730 | 851862 |
| 3.526 | | 914879 | 579726 |
| 3.549 | | 1026604 | 561524 |
| 3.566 | | 327999 | 169175 |
| 3.625 | | 1583 | 713 |
| 3.652 | | 1206051 | 782042 |
| 3.675 | | 482829 | 249377 |
| 3.695 | | 425167 | 252748 |
| 3.724 | | 282238 | 141684 |
| 3.741 | | 1015746 | 604517 |
| 3.782 | | 370500 | 263193 |
| 3.829 | | 53539 | 43815 |
| 3.851 | | 281479 | 165894 |
| 3.873 | | 1270906 | 844953 |
| 3.898 | | 290819 | 169770 |
| 3.917 | | 43905 | 21307 |
| 3.937 | | 168501 | 106806 |
| 3.972 | | 1089151 | 748576 |
| 4.005 | | 50013 | 28632 |
| 4.02 | | 86970 | 52952 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.08 | | 12021 | 12774 |
| 4.115 | | 83466 | 75433 |
| 4.146 | | 5844 | 4662 |
| 4.172 | | 285216 | 206843 |
| 4.214 | | 286793 | 173369 |
| 4.232 | | 265965 | 124587 |
| 4.245 | | 780612 | 438836 |
| 4.271 | | 429638 | 442078 |
| 4.323 | | 2498953 | 1890405 |
| 4.37 | | 33775 | 27513 |
| 4.392 | | 229157 | 151842 |
| 4.416 | | 537452 | 398260 |
| 4.459 | | 3018449 | 2308864 |
| 4.561 | | 2432480 | 2242744 |
| 4.614 | | 301900 | 244354 |
| 4.652 | | 671092 | 565726 |
| 4.688 | | 2969149 | 2342303 |
| 4.72 | | 1469954 | 1020803 |
| 4.758 | | 1002921 | 791392 |
| 4.829 | | 4105 | 4334 |
| 4.857 | | 308844 | 221631 |
| 4.874 | | 34395 | 18706 |
| 4.908 | | 1885686 | 1449515 |
| 4.931 | | 223914 | 151434 |
| 4.981 | | 904413 | 823142 |
| 5.016 | | 470283 | 374767 |
| 5.047 | | 365621 | 299655 |
| 5.079 | | 138787 | 77787 |
| 5.101 | | 4438682 | 3707683 |
| 5.142 | | 90337 | 68495 |
| 5.173 | | 196036 | 163575 |
| 5.215 | | 2067 | 1641 |
| 5.292 | | 53251 | 33455 |
| 5.315 | | 935183 | 774488 |
| 5.36 | | 3196407 | 3387257 |
| 5.458 | | 1289 | 920 |
| 5.479 | | 2373 | 1784 |
| 5.515 | | 176927 | 152232 |
| 5.56 | | 84903 | 59191 |
| 5.583 | | 154645 | 116612 |
| 5.631 | | 625297 | 533027 |
| 5.681 | | 1283 | 755 |
| 5.738 | | 1506311 | 1262237 |
| 5.77 | | 93909 | 72700 |
| 5.833 | | 3147 | 3310 |
| 5.873 | | 1387 | 1147 |
| 5.89 | | 3658 | 3569 |
| 5.936 | | 526914 | 462841 |
| 5.97 | | 3221 | 1909 |
| 5.99 | | 2584 | 1748 |
| 6.033 | | 1395 | 1381 |
| 6.053 | | 2140 | 1600 |
| 6.094 | DCB | 15383790 | 12569570 |
| 6.221 | | 1370 | 2315 |
| 6.27 | | 5598 | 5331 |
| 6.312 | | 1531 | 925 |
| 6.353 | | 1189 | 422 |
| 6.398 | | 1117 | 1319 |
| 6.429 | | 2105 | 1734 |
| 6.486 | | 1086 | 1507 |
| 6.544 | | 16739 | 15245 |
| 6.574 | | 966 | 282 |
| 6.626 | | 2188 | 3012 |
| 6.659 | | 2621 | 2677 |
| 6.716 | | 3303 | 3295 |
| 6.744 | | -736 | 219 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.768 | | 2631 | 1870 |
| 6.807 | | 1124 | 803 |
| 6.854 | | 1322 | 450 |
| 6.873 | | 1200 | 370 |
| 6.928 | | 1004 | 541 |
| 6.979 | | 2055 | 1681 |

AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.005.RAW

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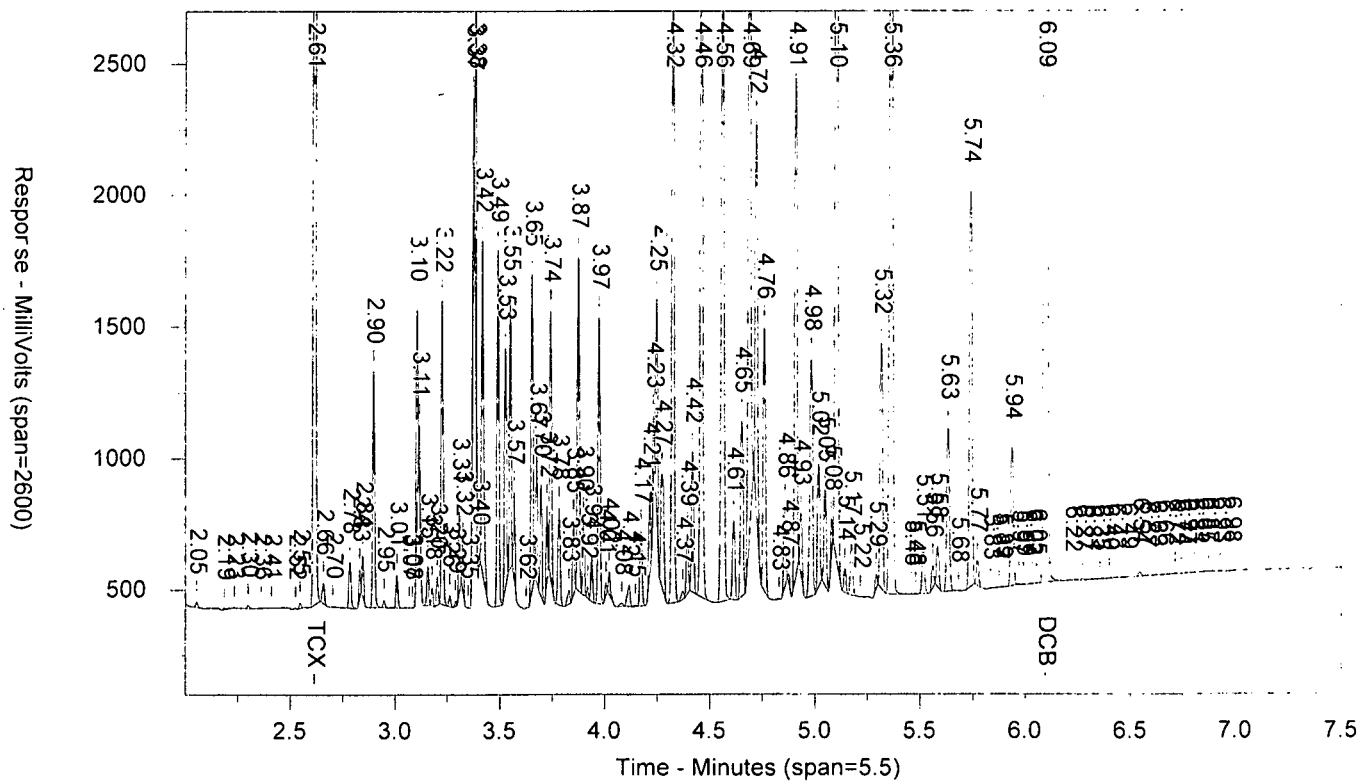


LANCASTER LABORATORIES

Sample Number: AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:10:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

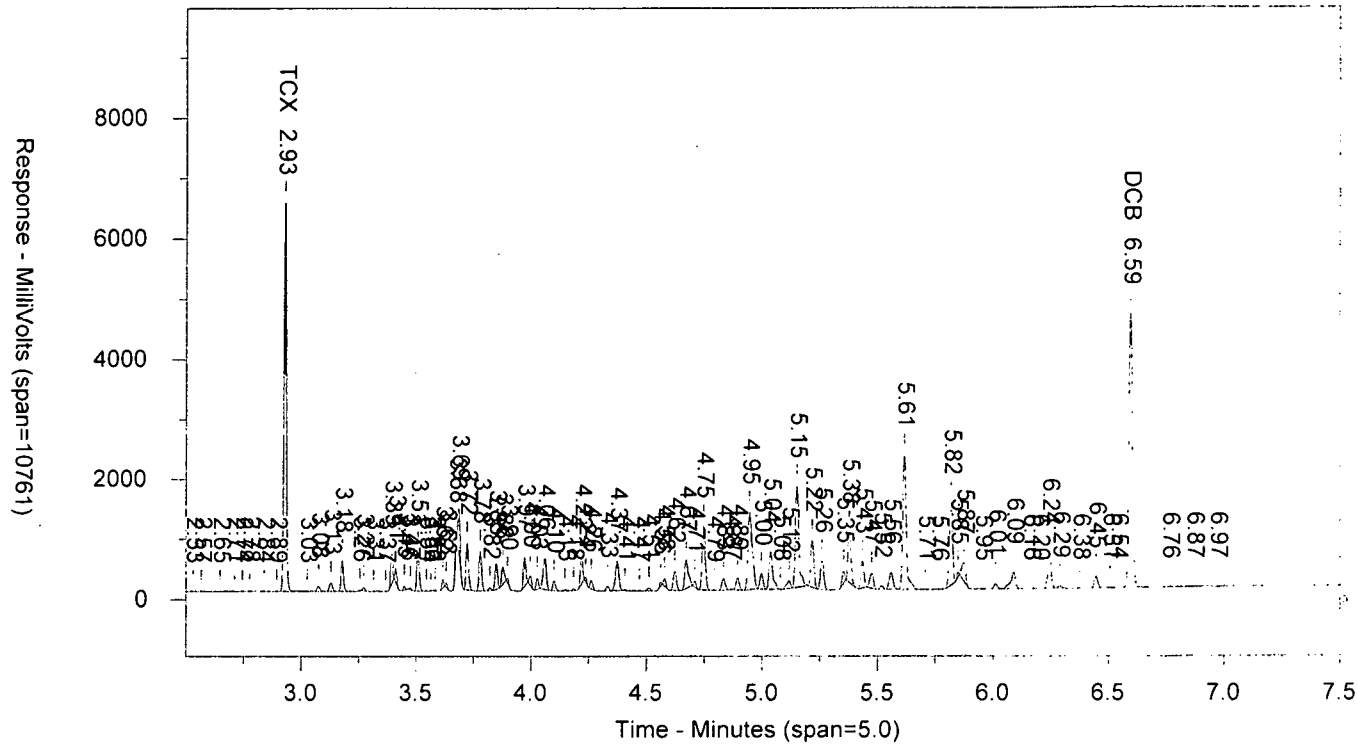
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.929 | 6457215 | 44.021 | TCX | 2.613 | 11438930 | 42.994 | TCX |
| 6.594 | 4571323 | 40.01 | DCB | 6.094 | 15383790 | 41.552 | DCB |

Files:
Area File: 25pcbs17289004.005.RAW
Area File: 25pcbs17289004B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/19/2017 8:19:20 PM
File Reported On: 10/19/2017 at 8:34:27 PM

AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.005.RAW

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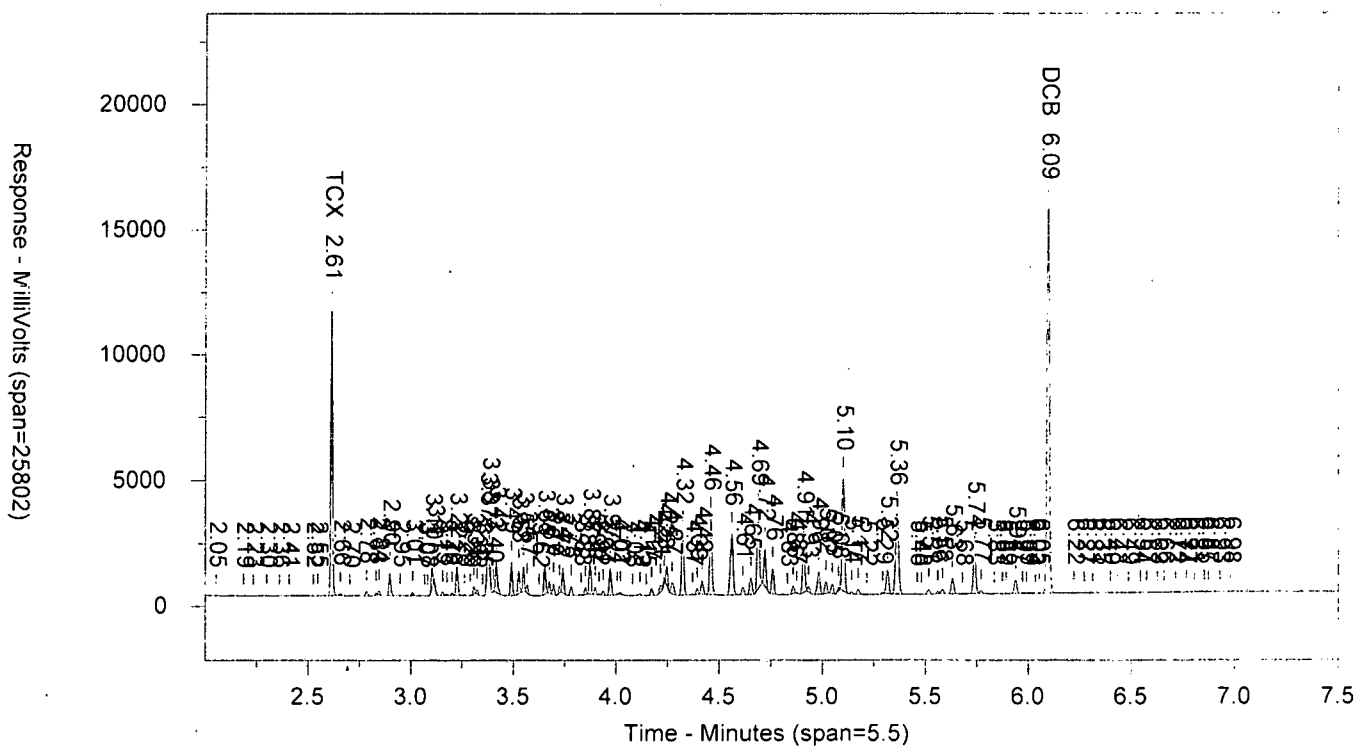

AR1641724B NRAR164NR CCAL 1729199999 10225 SW-846 8082

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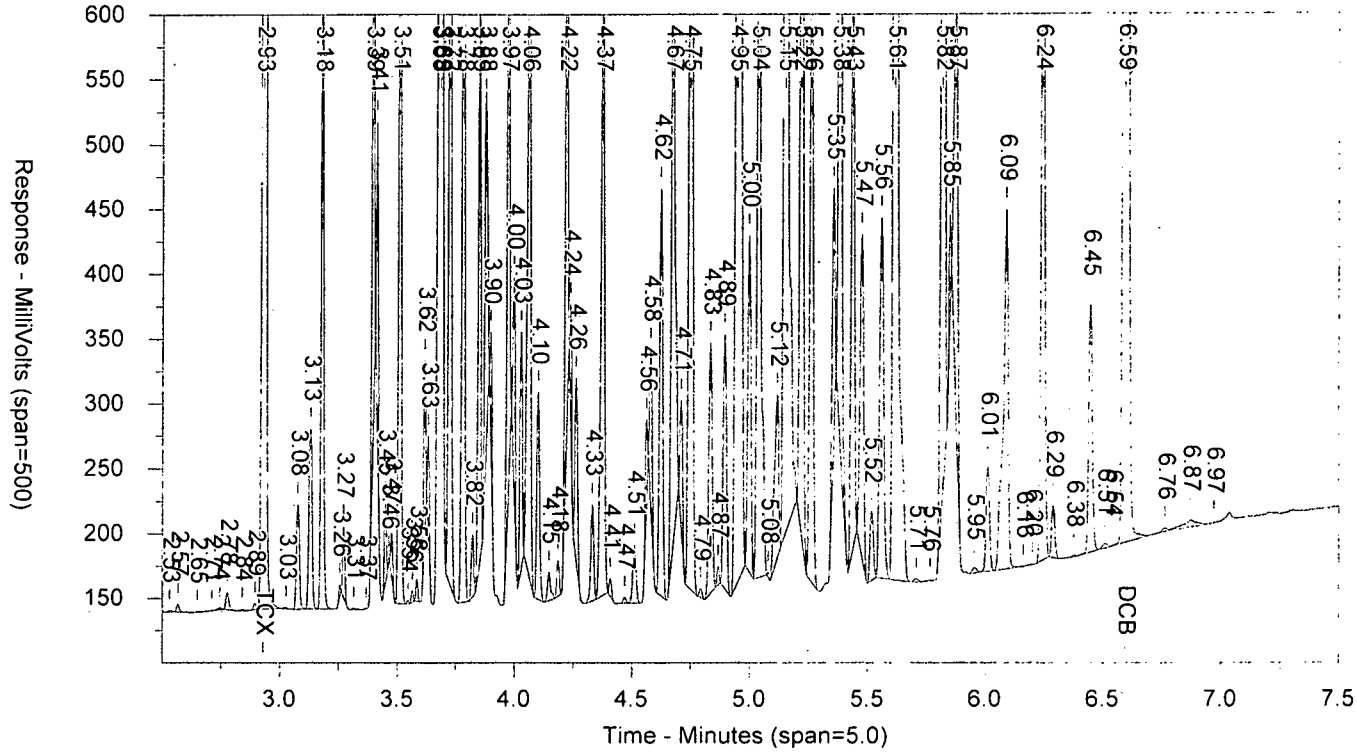


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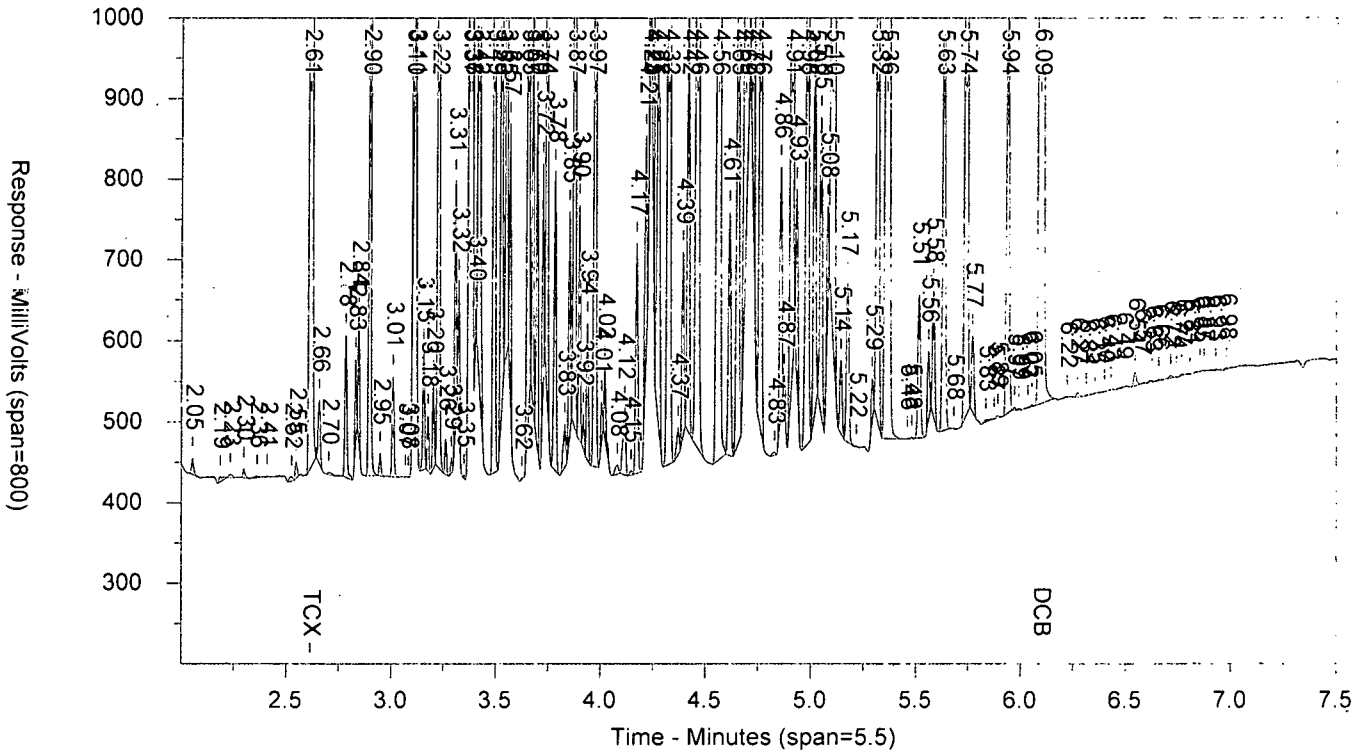

LANCASTER LABORATORIES

Sample Number: IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:22:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289004.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 6190 | 6211 |
| 2.081 | | 22717 | 37182 |
| 2.23 | | 14158 | 11229 |
| 2.33 | | 6897 | 7566 |
| 2.365 | | 2550 | 3359 |
| 2.489 | | 4817 | 5483 |
| 2.531 | | 730 | 530 |
| 2.646 | | 777 | 631 |
| 2.696 | | 420 | 187 |
| 2.746 | | 1607 | 1971 |
| 2.777 | | 41236 | 46451 |
| 2.893 | | 2887 | 2367 |
| 2.929 | TCX | 3093747 | 2097179 |
| 3.028 | | 1089 | 1156 |
| 3.094 | | 514 | 354 |
| 3.125 | | 38938 | 26194 |
| 3.257 | | 9704 | 8497 |
| 3.382 | | 930 | 1068 |
| 3.439 | | 403 | 198 |
| 3.491 | | 207 | 421 |
| 3.502 | | 530 | 432 |
| 3.539 | | 840 | 607 |
| 3.566 | | 4303 | 2764 |
| 3.601 | | 3087 | 3043 |
| 3.635 | | 283 | 112 |
| 3.654 | | 499 | 211 |
| 3.674 | | 1721 | 1311 |
| 3.716 | | 1798 | 2092 |
| 3.752 | | 458 | 253 |
| 3.807 | | 724 | 507 |
| 3.926 | | 2954 | 3564 |
| 3.983 | | 808 | 635 |
| 4.022 | | 022 | 804 |
| 4.08 | | 1223 | 1183 |
| 4.108 | | 324 | 121 |
| 4.164 | | 7521 | 8273 |
| 4.208 | | 869 | 973 |
| 4.268 | | 5530 | 7921 |
| 4.364 | | 1837 | 2871 |
| 4.414 | | 443 | 172 |
| 4.465 | | 375 | 147 |
| 4.508 | | 712 | 769 |
| 4.545 | | 414 | 299 |
| 4.564 | | 923 | 749 |
| 4.607 | | 3407 | 4564 |
| 4.687 | | 230 | 559 |
| 4.706 | | 660 | 408 |
| 4.746 | | 837 | 631 |
| 4.837 | | 746 | 1246 |
| 4.87 | | 4944 | 4538 |
| 4.967 | | 4085 | 7418 |
| 5.035 | | 445 | 534 |
| 5.054 | | 591 | 396 |
| 5.111 | | 8758 | 8561 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.145 | | 714 | 560 |
| 5.191 | | 851 | 715 |
| 5.223 | | 456 | 373 |
| 5.273 | | 324 | 318 |
| 5.319 | | 4653 | 6638 |
| 5.376 | | 1373 | 2218 |
| 5.447 | | 260 | 464 |
| 5.472 | | 966 | 925 |
| 5.515 | | 8424 | 8544 |
| 5.562 | | 378 | 334 |
| 5.588 | | 484 | 163 |
| 5.639 | | 19696 | 23008 |
| 5.72 | | 1235 | 1565 |
| 5.822 | | 1596 | 1838 |
| 5.875 | | 503 | 591 |
| 5.899 | | 393 | 311 |
| 5.922 | | 515 | 222 |
| 5.955 | | 2893 | 4187 |
| 6.012 | | 32633 | 31298 |
| 6.074 | | 35426 | 41198 |
| 6.151 | | 381 | 653 |
| 6.239 | | 3037 | 7298 |
| 6.279 | | 1168 | 1217 |
| 6.331 | | 2892 | 3469 |
| 6.377 | | 838 | 781 |
| 6.396 | | 434 | 187 |
| 6.414 | | 581 | 125 |
| 6.448 | | 24918 | 26001 |
| 6.506 | | 2483 | 3484 |
| 6.596 | DCB | 2282446 | 2345733 |
| 6.672 | | 465 | 323 |
| 6.692 | | 587 | 252 |
| 6.767 | | 1517 | 2327 |
| 6.88 | | 4200 | 13240 |
| 6.956 | | 584 | 300 |
| 6.973 | | 763 | 211 |

LANCASTER LABORATORIES

Sample Number: IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:22:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289004B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.053 | | 10385 | 8330 |
| 2.195 | | 2071 | 2923 |
| 2.231 | | 4682 | 7222 |
| 2.353 | | 2314 | 2640 |
| 2.411 | | 2461 | 3080 |
| 2.469 | | 2223 | 1870 |
| 2.522 | | 7569 | 8590 |
| 2.546 | | 87170 | 89368 |
| 2.613 | TCX | 5394180 | 3208606 |
| 2.702 | | 1919 | 2796 |
| 2.83 | | 77077 | 46637 |
| 2.863 | | 1572 | 3384 |
| 2.947 | | 14033 | 10867 |
| 3.067 | | 1115 | 451 |
| 3.111 | | 896 | 562 |
| 3.119 | | 1090 | 628 |
| 3.132 | | 609 | 138 |
| 3.153 | | 326 | 143 |
| 3.164 | | 528 | 197 |
| 3.182 | | 746 | 173 |
| 3.198 | | 724 | 170 |
| 3.208 | | 942 | 450 |
| 3.228 | | 681 | 472 |
| 3.259 | | 697 | 208 |
| 3.267 | | 1054 | 348 |
| 3.289 | | 9856 | 5585 |
| 3.305 | | 712 | 101 |
| 3.327 | | 4520 | 2883 |
| 3.348 | | 2138 | 1344 |
| 3.38 | | 3867 | 3374 |
| 3.411 | | 833 | 318 |
| 3.437 | | 538 | 88 |
| 3.45 | | 1343 | 621 |
| 3.476 | | 582 | 158 |
| 3.486 | | 1679 | 2018 |
| 3.513 | | 1195 | 279 |
| 3.521 | | 1013 | 361 |
| 3.535 | | 708 | 124 |
| 3.547 | | 383 | 79 |
| 3.557 | | 1056 | 275 |
| 3.58 | | 3098 | 4274 |
| 3.63 | | 1081 | 1075 |
| 3.657 | | 1010 | 287 |
| 3.666 | | 630 | 164 |
| 3.683 | | 651 | 209 |
| 3.696 | | 616 | 79 |
| 3.703 | | 573 | 152 |
| 3.713 | | 609 | 72 |
| 3.72 | | 516 | 93 |
| 3.73 | | 742 | 360 |
| 3.74 | | 1153 | 527 |
| 3.76 | | 768 | 156 |
| 3.765 | | 678 | 177 |
| 3.772 | | 848 | 209 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.818 | | 1365 | 1277 |
| 3.877 | | 1191 | 553 |
| 3.899 | | 1106 | 822 |
| 3.942 | | 19410 | 21164 |
| 4.073 | | 9317 | 7502 |
| 4.104 | | 2322 | 3021 |
| 4.148 | | 4779 | 5208 |
| 4.206 | | 566 | 748 |
| 4.234 | | 3173 | 6151 |
| 4.325 | | 1488 | 1581 |
| 4.354 | | 993 | 239 |
| 4.434 | | 12057 | 13202 |
| 4.494 | | 984 | 609 |
| 4.53 | | 1438 | 401 |
| 4.588 | | 1446 | 4067 |
| 4.617 | | 1963 | 1855 |
| 4.639 | | 1489 | 989 |
| 4.662 | | 11350 | 8489 |
| 4.706 | | 1514 | 2503 |
| 4.835 | | 1704 | 9342 |
| 4.909 | | 2382 | 2269 |
| 4.935 | | 1000 | 640 |
| 4.959 | | 1685 | 1569 |
| 5.016 | | 1548 | 2553 |
| 5.052 | | 15232 | 14076 |
| 5.098 | | 2774 | 2940 |
| 5.138 | | 1028 | 1251 |
| 5.174 | | 34318 | 29574 |
| 5.203 | | 1349 | 874 |
| 5.254 | | 2750 | 4826 |
| 5.296 | | 1779 | 1858 |
| 5.317 | | 1029 | 249 |
| 5.334 | | 3802 | 4994 |
| 5.396 | | 1703 | 6095 |
| 5.421 | | 975 | 961 |
| 5.477 | | 643 | 1131 |
| 5.515 | | 75808 | 66793 |
| 5.582 | | 78453 | 71791 |
| 5.632 | | 18007 | 18159 |
| 5.716 | | 819 | 839 |
| 5.742 | | 2033 | 1380 |
| 5.767 | | 1282 | 631 |
| 5.851 | | 1790 | 3712 |
| 5.911 | | 790 | 3133 |
| 5.937 | | 69005 | 59251 |
| 5.968 | | 2333 | 1692 |
| 5.99 | | 2097 | 1111 |
| 6.042 | | 1042 | 1117 |
| 6.055 | | 1799 | 1193 |
| 6.095 | DCB | 7330971 | 6153229 |
| 6.21 | | 2495 | 2140 |
| 6.24 | | 896 | 502 |
| 6.319 | | 994 | 1104 |
| 6.378 | | 1482 | 1602 |
| 6.405 | | 1073 | 265 |
| 6.434 | | 1521 | 1621 |
| 6.449 | | 1252 | 551 |
| 6.482 | | 1110 | 1424 |
| 6.502 | | 1585 | 1697 |
| 6.545 | | 8714 | 8288 |
| 6.599 | | 1433 | 2156 |
| 6.641 | | 1023 | 1695 |
| 6.666 | | 1044 | 1252 |
| 6.692 | | 1307 | 664 |
| 6.718 | | 2613 | 1850 |
| 6.772 | | 863 | 1311 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.888 | | 1597 | 3955 |
| 6.919 | | 1212 | 915 |

IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082

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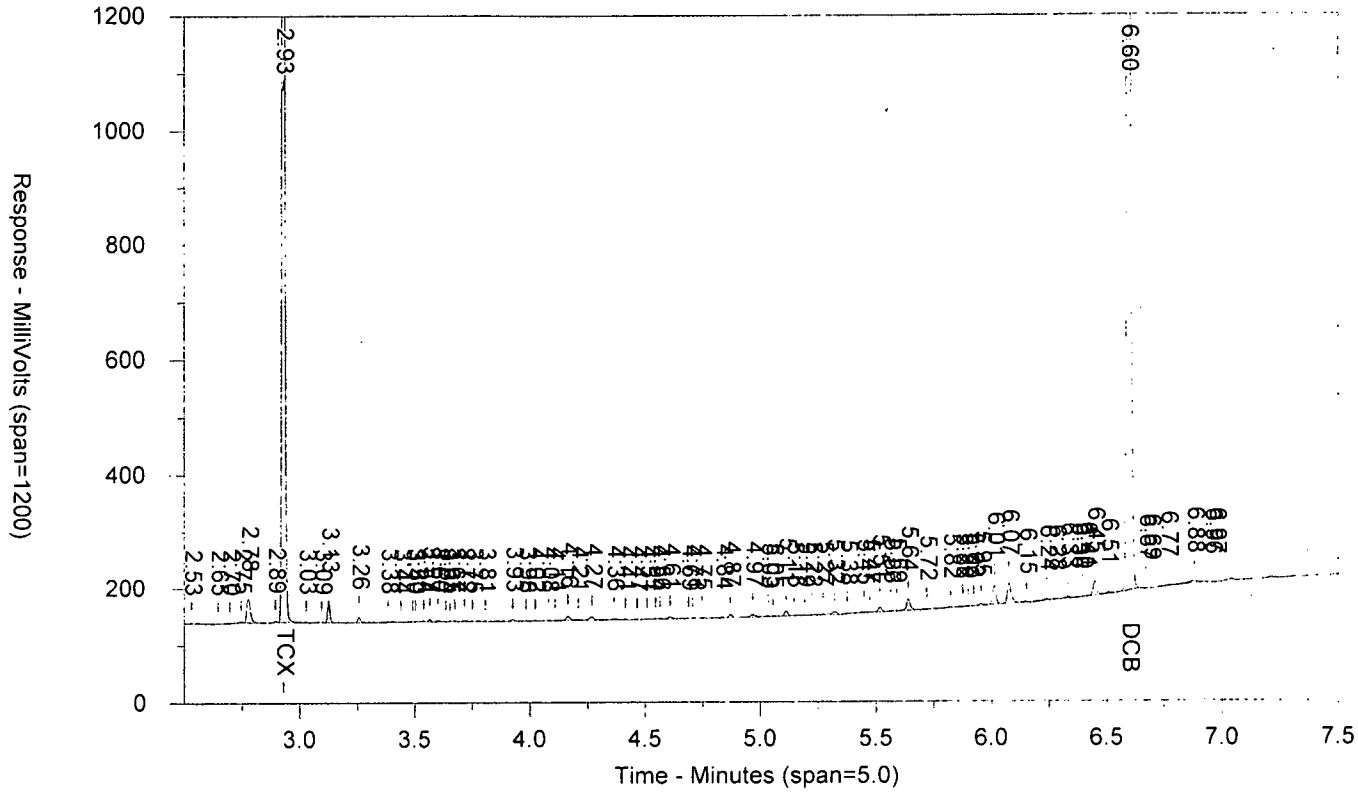


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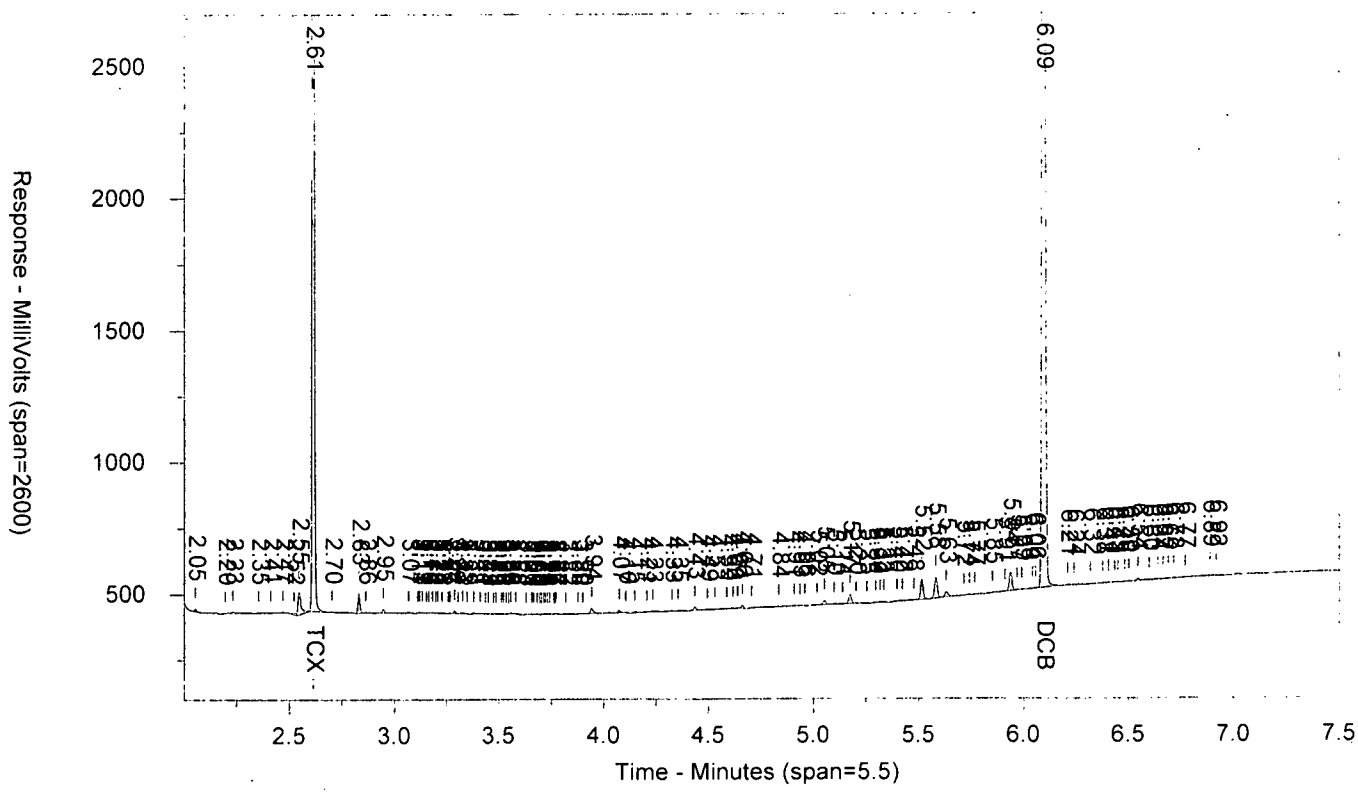


LANCASTER LABORATORIES

Sample Number: IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:22:09 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

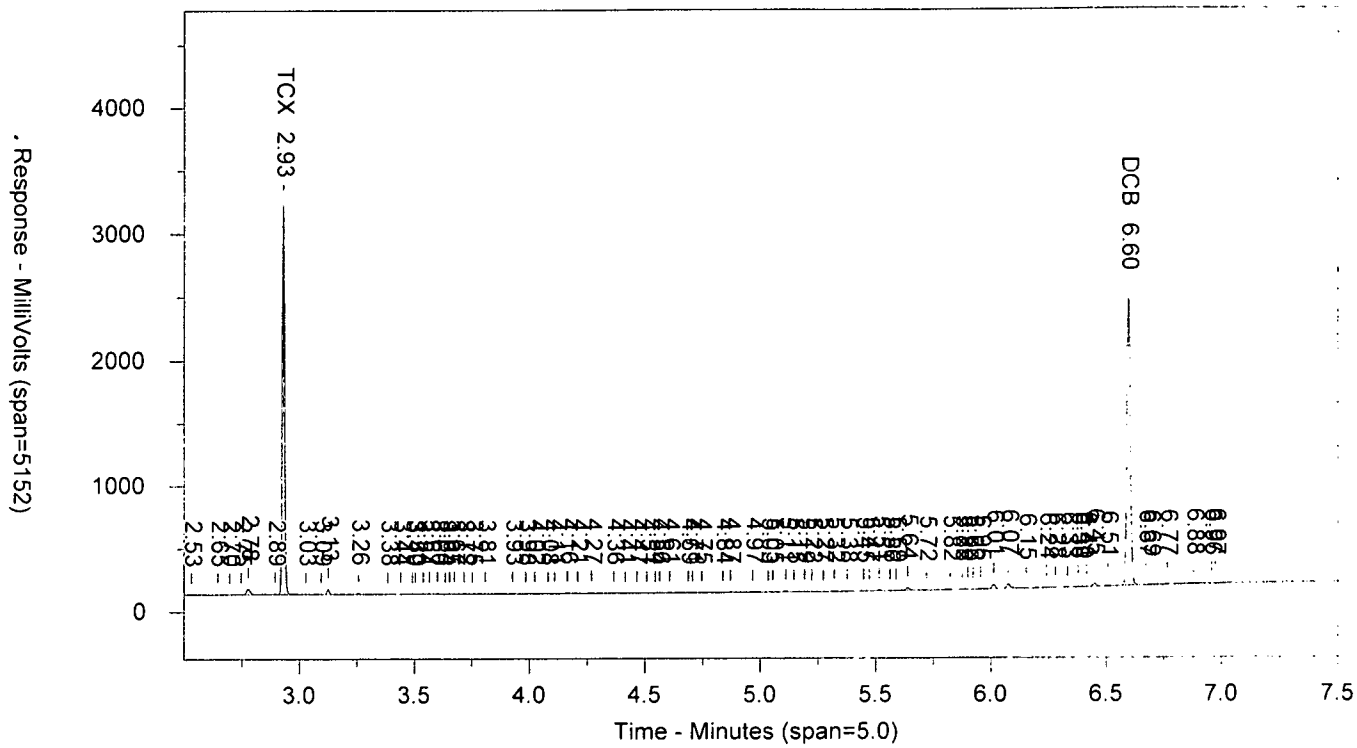
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.929 | 3093747 | .211 | TCX | 2.613 | 5394180 | .203 | TCX |
| 6.596 | 2282446 | .2 | DCB | 6.095 | 7330971 | .198 | DCB |

Files:
Area File: 25pcbs17289004.006.RAW
Area File: 25pcbs17289004B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/19/2017 8:30:36 PM
File Reported On: 10/19/2017 at 8:34:49 PM

IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.006.RAW

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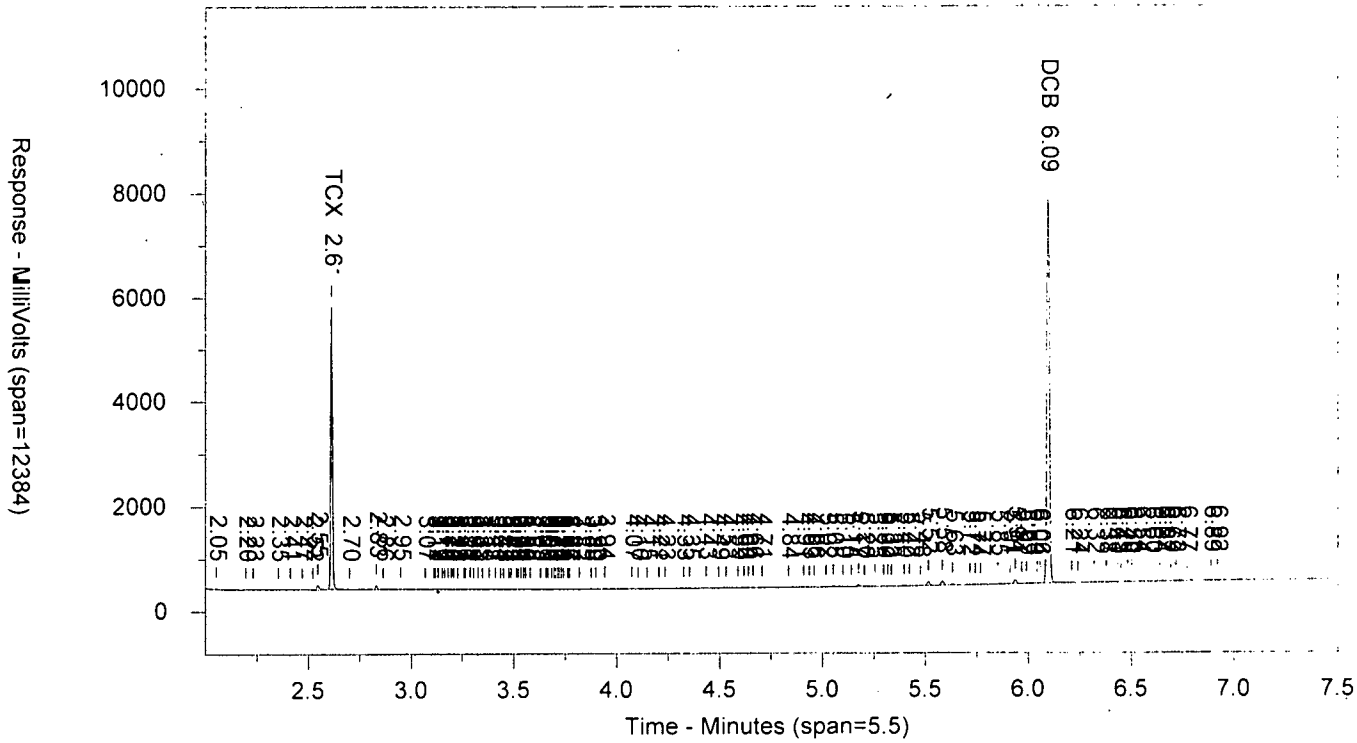
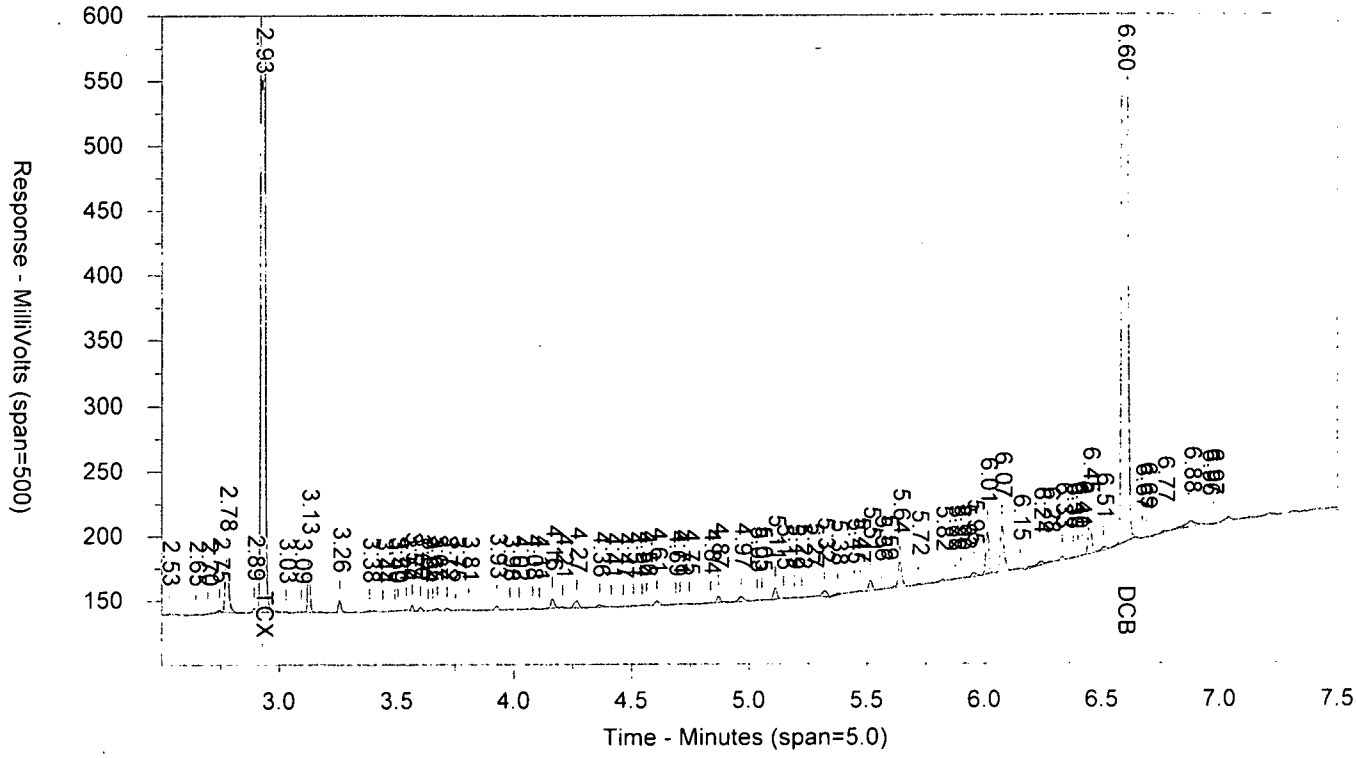


IBLKX1724B WMPIBLKWM PIBLK1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.006.RAW

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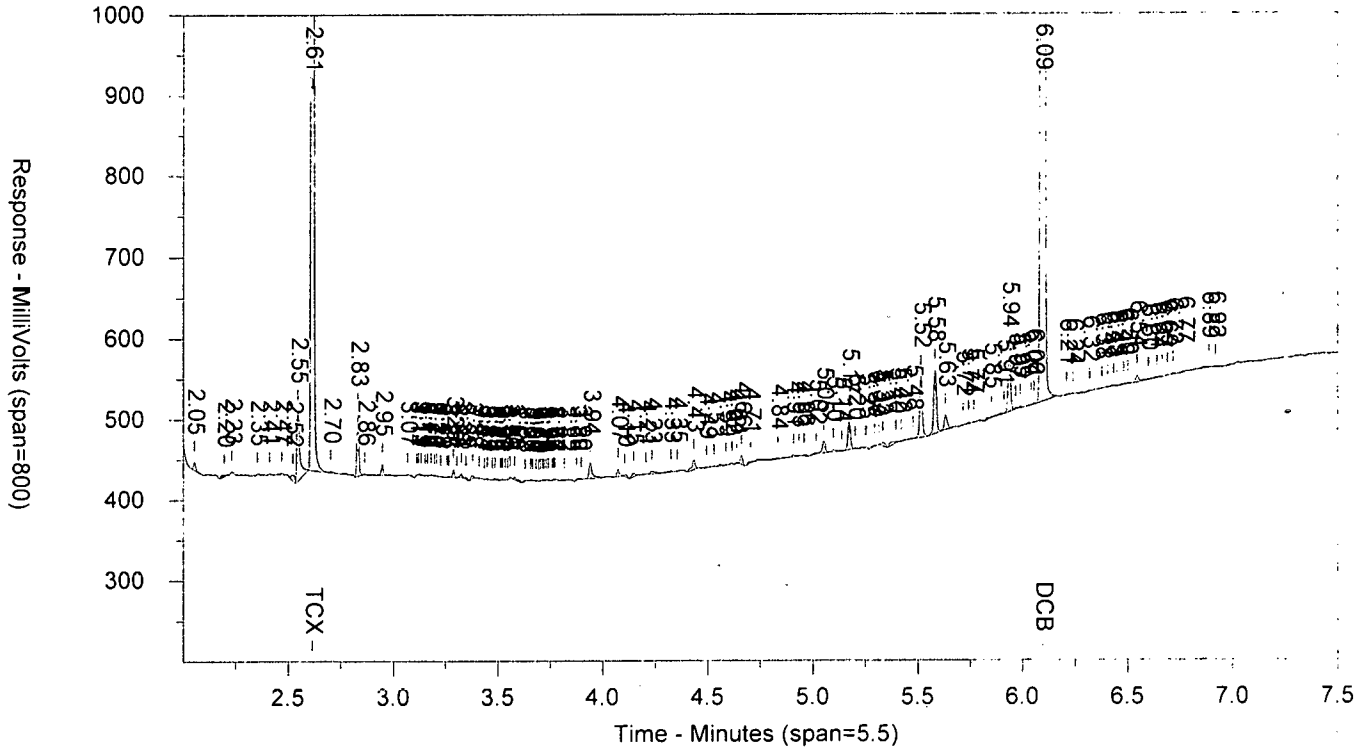


LANCASTER LABORATORIES

Sample Number: AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:30:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289004.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 8373 | 8131 |
| 2.083 | | 10416 | 18011 |
| 2.23 | | 26592 | 20688 |
| 2.303 | | 445 | 341 |
| 2.337 | | 11279 | 11778 |
| 2.366 | | 2380 | 3015 |
| 2.488 | | 6313 | 7647 |
| 2.531 | | 584 | 523 |
| 2.566 | | 6035 | 4758 |
| 2.652 | | 777 | 912 |
| 2.714 | | 334 | 144 |
| 2.744 | | 1567 | 1950 |
| 2.777 | | 18434 | 17118 |
| 2.841 | | 1248 | 1083 |
| 2.894 | | 3853 | 3180 |
| 2.929 | TCX | 6098394 | 4260616 |
| 3.049 | | 496 | 246 |
| 3.075 | | 80655 | 70416 |
| 3.13 | | 131084 | 124264 |
| 3.178 | | 474220 | 356629 |
| 3.256 | | 8309 | 4300 |
| 3.272 | | 54596 | 34519 |
| 3.314 | | 1376 | 886 |
| 3.394 | | 474275 | 292894 |
| 3.411 | | 216152 | 115344 |
| 3.448 | | 59120 | 33474 |
| 3.463 | | 5272 | 1871 |
| 3.475 | | 32358 | 16626 |
| 3.509 | | 593466 | 470503 |
| 3.546 | | 2572 | 1303 |
| 3.565 | | 7977 | 4523 |
| 3.584 | | 17615 | 11196 |
| 3.618 | | 124700 | 74301 |
| 3.633 | | 66276 | 32730 |
| 3.677 | | 253017 | 150402 |
| 3.687 | | 619343 | 332652 |
| 3.724 | | 755706 | 568388 |
| 3.781 | | 648041 | 500696 |
| 3.822 | | 47947 | 34269 |
| 3.85 | | 414242 | 308176 |
| 3.878 | | 283901 | 236717 |
| 3.899 | | 77809 | 41243 |
| 3.973 | | 466303 | 340319 |
| 3.997 | | 151630 | 99618 |
| 4.028 | | 181108 | 129397 |
| 4.061 | | 505932 | 488359 |
| 4.101 | | 158771 | 128894 |
| 4.148 | | 21530 | 20335 |
| 4.187 | | 27703 | 20062 |
| 4.221 | | 419933 | 315187 |
| 4.239 | | 66429 | 36178 |
| 4.263 | | 137116 | 105817 |
| 4.334 | | 71381 | 61339 |
| 4.376 | | 470870 | 471613 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.409 | | 14023 | 9854 |
| 4.472 | | 4956 | 4423 |
| 4.512 | | 48227 | 46258 |
| 4.563 | | 59625 | 39100 |
| 4.581 | | 115309 | 82970 |
| 4.624 | | 316594 | 285515 |
| 4.674 | | 447297 | 508034 |
| 4.71 | | 100024 | 69150 |
| 4.749 | | 1057168 | 1003841 |
| 4.793 | | 7016 | 5936 |
| 4.834 | | 183157 | 190387 |
| 4.869 | | 14420 | 9761 |
| 4.896 | | 190768 | 186205 |
| 4.947 | | 1272586 | 1639065 |
| 4.998 | | 249307 | 236550 |
| 5.037 | | 613948 | 678234 |
| 5.079 | | 4235 | 1940 |
| 5.117 | | 124371 | 153961 |
| 5.151 | | 1626162 | 1674905 |
| 5.192 | | 19204 | 7950 |
| 5.218 | | 758668 | 717348 |
| 5.261 | | 465965 | 466477 |
| 5.355 | | 214683 | 170743 |
| 5.38 | | 831910 | 742764 |
| 5.437 | | 438163 | 409036 |
| 5.476 | | 245978 | 253985 |
| 5.518 | | 53288 | 54115 |
| 5.558 | | 276740 | 324076 |
| 5.616 | | 2220812 | 2353051 |
| 5.71 | | 2106 | 2632 |
| 5.761 | | 1070 | 1040 |
| 5.82 | | 1342853 | 1279111 |
| 5.85 | | 83854 | 51637 |
| 5.876 | | 292491 | 339304 |
| 5.955 | | 2904 | 3683 |
| 5.984 | | 579 | 158 |
| 6.012 | | 83012 | 82834 |
| 6.09 | | 265111 | 389678 |
| 6.2 | | 386 | 436 |
| 6.245 | | 595120 | 591714 |
| 6.29 | | 39419 | 37405 |
| 6.328 | | 509 | 211 |
| 6.38 | | 1267 | 1643 |
| 6.448 | | 188512 | 198953 |
| 6.513 | | 3047 | 4372 |
| 6.597 | DCB | 4734604 | 4750723 |
| 6.737 | | 958 | 517 |
| 6.771 | | 1744 | 2930 |
| 6.876 | | 4351 | 14810 |
| 6.956 | | 783 | 787 |

LANCASTER LABORATORIES

Sample Number: AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:30:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289004B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

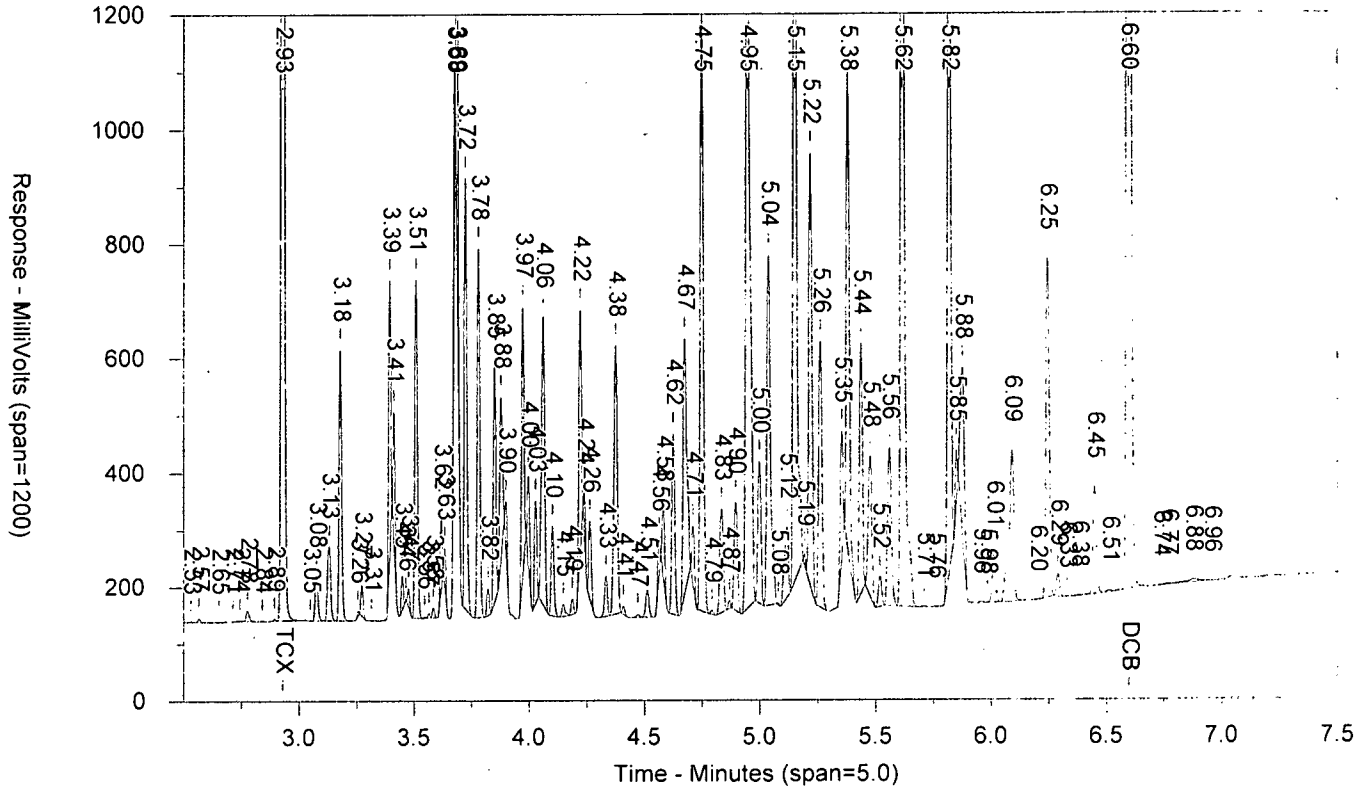
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.053 | | 20452 | 13559 |
| 2.207 | | 2870 | 8518 |
| 2.234 | | 4843 | 5583 |
| 2.298 | | 11494 | 7847 |
| 2.36 | | 2266 | 2375 |
| 2.47 | | 3229 | 7509 |
| 2.52 | | 5061 | 5722 |
| 2.546 | | 32527 | 28199 |
| 2.613 | TCX | 11316030 | 6485162 |
| 2.656 | | 79589 | 55327 |
| 2.702 | | 2211 | 3596 |
| 2.784 | | 175970 | 117600 |
| 2.83 | | 107488 | 48706 |
| 2.845 | | 155132 | 79051 |
| 2.896 | | 876838 | 541089 |
| 2.946 | | 27229 | 15587 |
| 3.007 | | 124213 | 77184 |
| 3.067 | | 1411 | 727 |
| 3.086 | | 418 | 227 |
| 3.103 | | 704164 | 354169 |
| 3.114 | | 217279 | 90136 |
| 3.155 | | 142079 | 86838 |
| 3.176 | | 67183 | 37184 |
| 3.201 | | 103861 | 58334 |
| 3.225 | | 1093888 | 732441 |
| 3.261 | | 44253 | 25685 |
| 3.289 | | 15394 | 7365 |
| 3.307 | | 307999 | 158651 |
| 3.323 | | 181151 | 86181 |
| 3.351 | | 3988 | 1930 |
| 3.373 | | 570229 | 278937 |
| 3.395 | | 1386961 | 592821 |
| 3.403 | | 52253 | 18481 |
| 3.416 | | 1219410 | 812832 |
| 3.49 | | 1342576 | 828423 |
| 3.526 | | 898331 | 568949 |
| 3.549 | | 1003060 | 550248 |
| 3.567 | | 324847 | 166824 |
| 3.624 | | 1803 | 723 |
| 3.653 | | 1167083 | 759042 |
| 3.675 | | 437378 | 240617 |
| 3.696 | | 427964 | 248128 |
| 3.725 | | 269678 | 140123 |
| 3.742 | | 990845 | 596069 |
| 3.783 | | 355589 | 258051 |
| 3.83 | | 53648 | 44755 |
| 3.852 | | 269302 | 162362 |
| 3.874 | | 1250228 | 831283 |
| 3.899 | | 280689 | 166920 |
| 3.918 | | 45453 | 21284 |
| 3.938 | | 161873 | 104354 |
| 3.973 | | 1053663 | 737019 |
| 4.007 | | 49354 | 28695 |
| 4.021 | | 87731 | 53221 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.082 | | 11595 | 12154 |
| 4.116 | | 83352 | 79641 |
| 4.148 | | 6818 | 4962 |
| 4.173 | | 282676 | 203740 |
| 4.215 | | 288582 | 175075 |
| 4.233 | | 235694 | 113423 |
| 4.247 | | 742044 | 423110 |
| 4.273 | | 430961 | 432338 |
| 4.324 | | 2488869 | 1862286 |
| 4.372 | | 35703 | 28371 |
| 4.394 | | 233054 | 150517 |
| 4.418 | | 531532 | 389244 |
| 4.46 | | 3015825 | 2276599 |
| 4.562 | | 2372822 | 2213825 |
| 4.615 | | 303208 | 243167 |
| 4.653 | | 651058 | 561649 |
| 4.689 | | 2837231 | 2329727 |
| 4.721 | | 1532029 | 1029268 |
| 4.759 | | 1016619 | 777100 |
| 4.83 | | 4127 | 4276 |
| 4.857 | | 313653 | 220740 |
| 4.876 | | 43037 | 22586 |
| 4.909 | | 1900753 | 1441484 |
| 4.933 | | 238135 | 155583 |
| 4.982 | | 906077 | 819284 |
| 5.017 | | 485108 | 368615 |
| 5.048 | | 352993 | 296206 |
| 5.08 | | 127811 | 74432 |
| 5.102 | | 4483163 | 3651472 |
| 5.143 | | 92418 | 67770 |
| 5.175 | | 197437 | 166852 |
| 5.221 | | 2343 | 1674 |
| 5.253 | | 3109 | 3041 |
| 5.293 | | 49360 | 32220 |
| 5.316 | | 945879 | 762246 |
| 5.36 | | 3147316 | 3333822 |
| 5.462 | | 1300 | 800 |
| 5.479 | | 2397 | 1407 |
| 5.516 | | 183235 | 155849 |
| 5.561 | | 80622 | 56345 |
| 5.583 | | 158911 | 119663 |
| 5.632 | | 620151 | 529171 |
| 5.739 | | 1491107 | 1251001 |
| 5.771 | | 90330 | 70925 |
| 5.861 | | 523 | 4452 |
| 5.89 | | 3057 | 3303 |
| 5.937 | | 542256 | 459167 |
| 5.97 | | 2836 | 1957 |
| 5.992 | | 2682 | 2265 |
| 6.031 | | 1209 | 1081 |
| 6.058 | | 1364 | 1238 |
| 6.095 | DCB | 15037270 | 12430600 |
| 6.208 | | 2560 | 2418 |
| 6.243 | | 1290 | 706 |
| 6.271 | | 4726 | 4854 |
| 6.367 | | 1112 | 4300 |
| 6.395 | | 991 | 692 |
| 6.407 | | 1413 | 856 |
| 6.431 | | 2447 | 1129 |
| 6.481 | | 1598 | 1063 |
| 6.521 | | 1196 | 1803 |
| 6.546 | | 17613 | 18261 |
| 6.643 | | 1646 | 3365 |
| 6.66 | | 1885 | 1927 |
| 6.719 | | 4243 | 4846 |
| 6.768 | | 3093 | 3345 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.828 | | 1523 | 1298 |
| 6.847 | | 1231 | 576 |
| 6.889 | | 732 | 1484 |
| 6.897 | | 1834 | 1686 |
| 6.934 | | 1910 | 1137 |
| 6.985 | | 1428 | 889 |

AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.012.RAW

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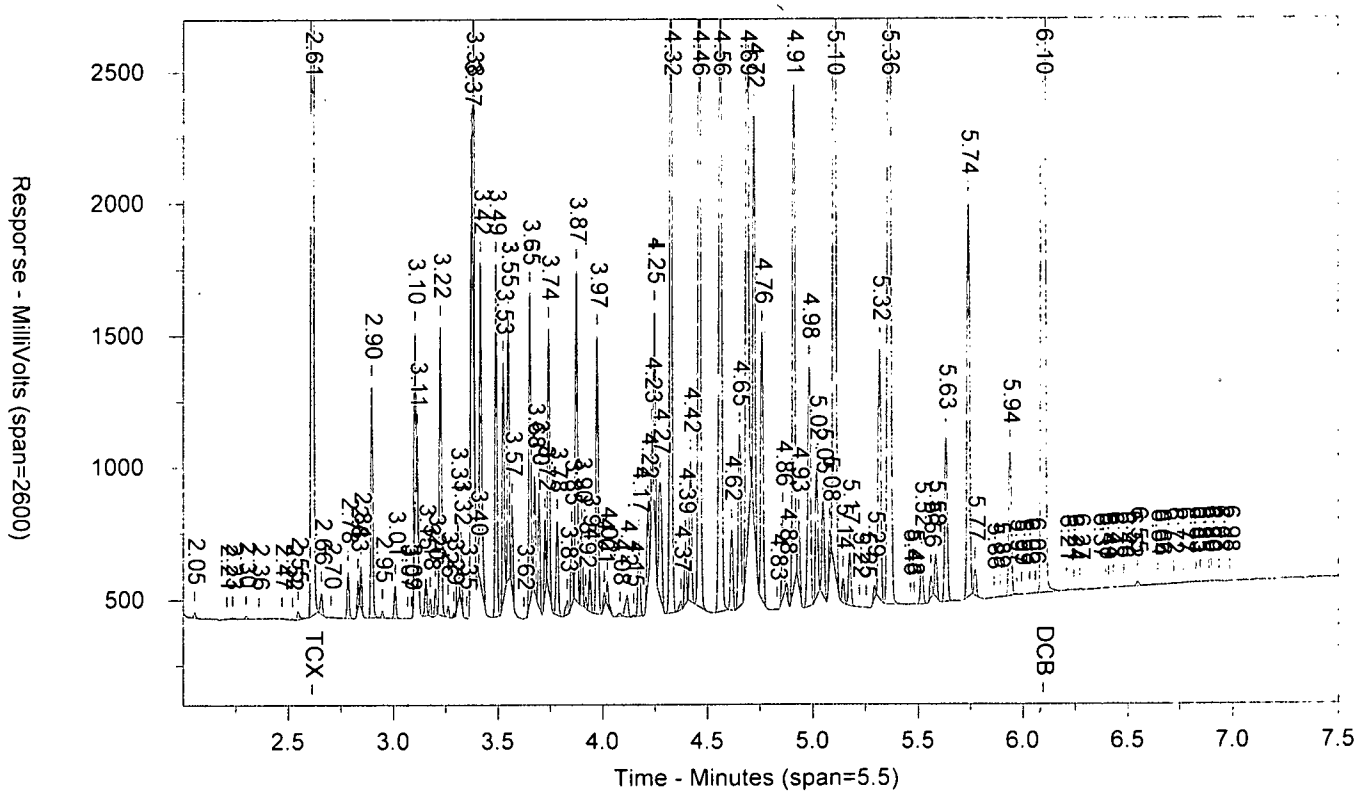

LANCASTER LABORATORIES

Sample Number: AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:30:05 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.929 | 6098394 | 41.575 | TCX | 2.613 | 11316030 | 42.532 | TCX |
| 6.597 | 4734604 | 41.439 | DCB | 6.095 | 15037270 | 40.616 | DCB |

Files:
Area File: 25pcbs17289004.012.RAW
Area File: 25pcbs17289004B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/19/2017 9:38:34 PM
File Reported On: 10/19/2017 at 9:38:43 PM

AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082

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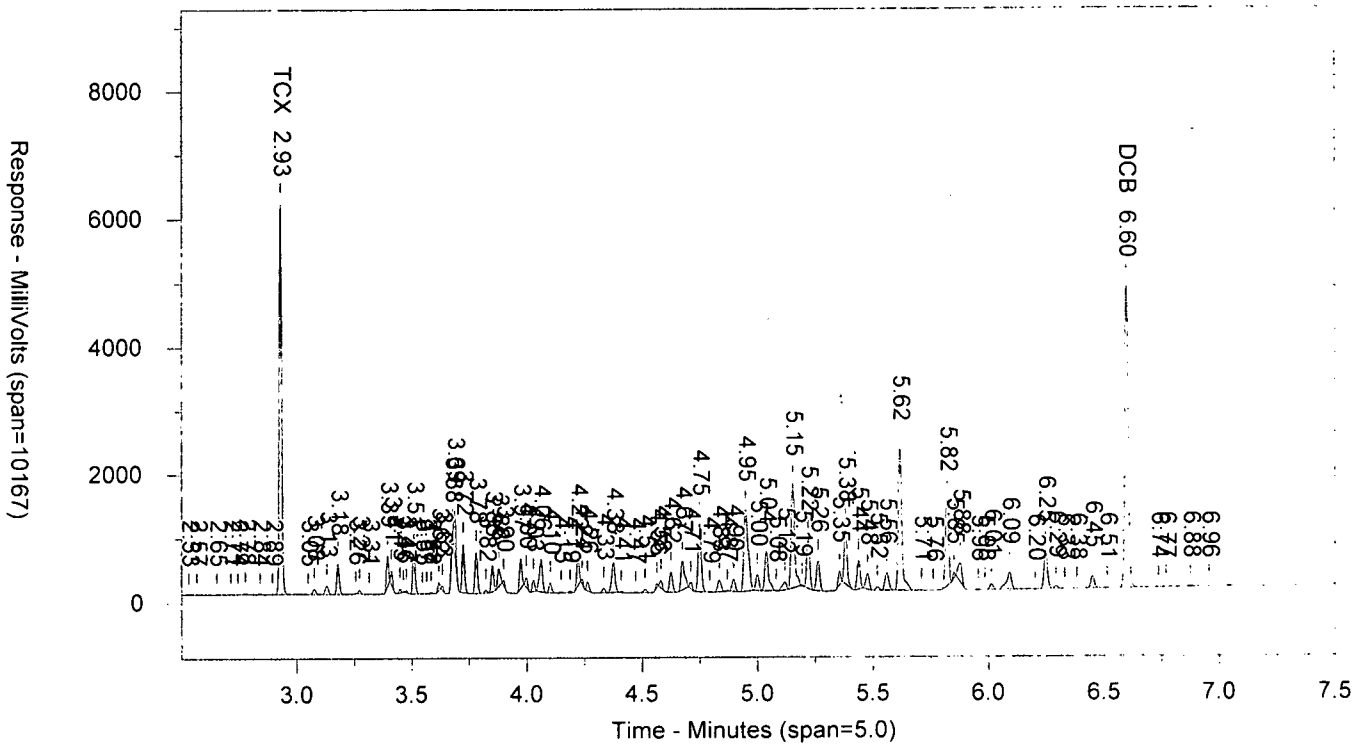


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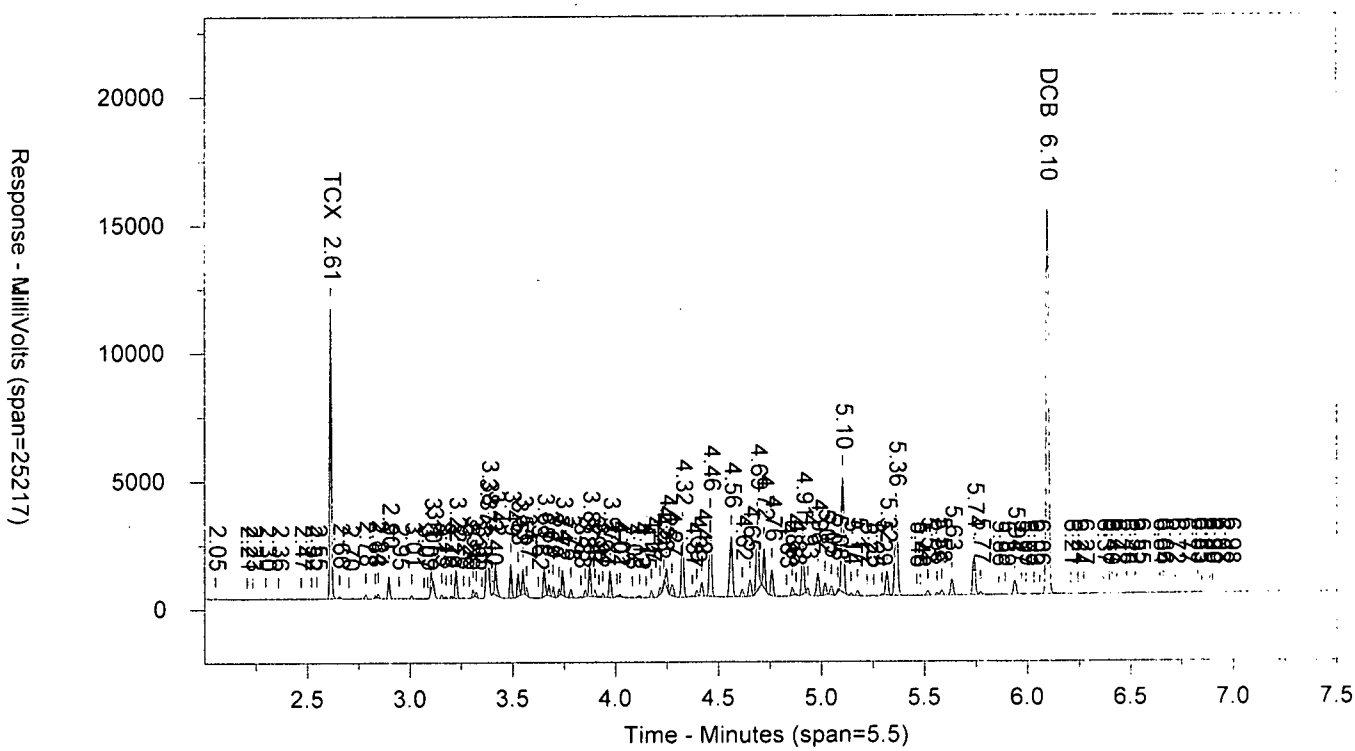

AR1641724B NSAR164NS CCAL 1729199999 10225 SW-846 8082

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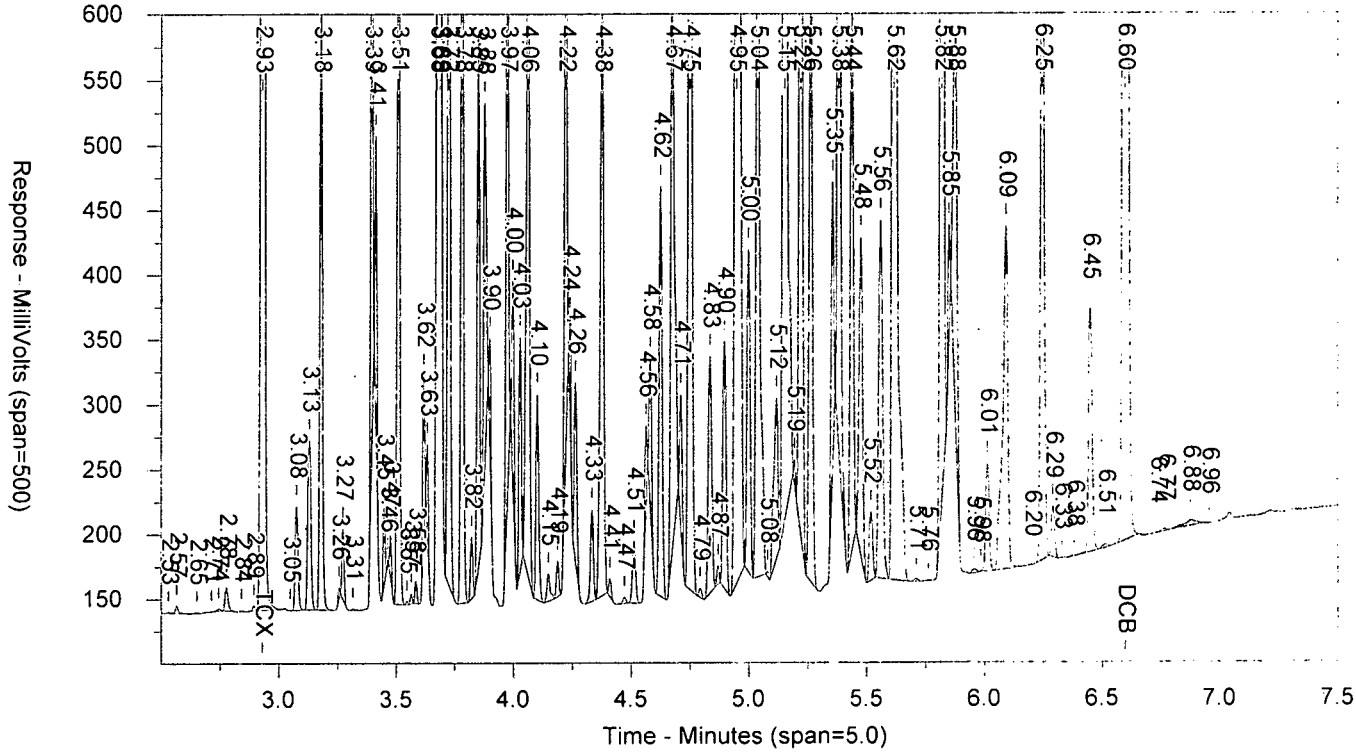


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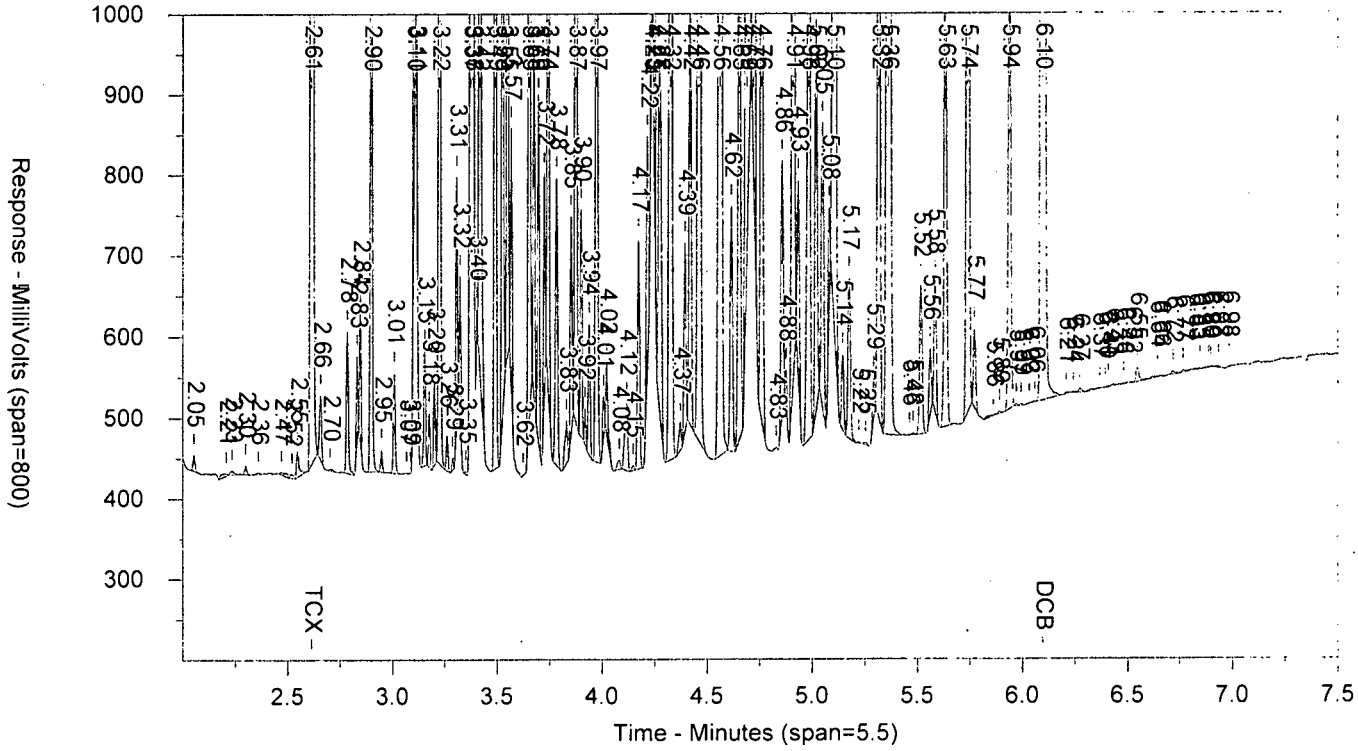

LANCASTER LABORATORIES

Sample Number: IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:41:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289004.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 425 | 215 |
| 2.034 | | 6296 | 6106 |
| 2.085 | | 13717 | 27622 |
| 2.162 | | 1297 | 1528 |
| 2.231 | | 14356 | 10862 |
| 2.331 | | 6850 | 7346 |
| 2.367 | | 2950 | 4879 |
| 2.489 | | 5123 | 6200 |
| 2.531 | | 990 | 679 |
| 2.56 | | 596 | 549 |
| 2.65 | | 1025 | 972 |
| 2.689 | | 443 | 372 |
| 2.746 | | 1800 | 1943 |
| 2.777 | | 19691 | 18283 |
| 2.834 | | 503 | 291 |
| 2.895 | | 3007 | 2865 |
| 2.93 | TCX | 3109427 | 2158721 |
| 3.077 | | 410 | 285 |
| 3.101 | | 678 | 369 |
| 3.127 | | 38362 | 26304 |
| 3.18 | | 538 | 436 |
| 3.229 | | 353 | 205 |
| 3.258 | | 10273 | 8954 |
| 3.331 | | 512 | 228 |
| 3.383 | | 836 | 646 |
| 3.506 | | 758 | 1476 |
| 3.539 | | 1069 | 845 |
| 3.569 | | 5814 | 3956 |
| 3.606 | | 3227 | 3068 |
| 3.677 | | 1590 | 1382 |
| 3.723 | | 1747 | 1949 |
| 3.758 | | 422 | 154 |
| 3.862 | | 520 | 436 |
| 3.894 | | 416 | 395 |
| 3.932 | | 2927 | 3370 |
| 3.971 | | 462 | 123 |
| 3.991 | | 804 | 913 |
| 4.028 | | 851 | 908 |
| 4.084 | | 471 | 358 |
| 4.169 | | 9677 | 12411 |
| 4.274 | | 6220 | 8337 |
| 4.325 | | 431 | 303 |
| 4.366 | | 1778 | 2834 |
| 4.414 | | 536 | 533 |
| 4.512 | | 1136 | 1424 |
| 4.572 | | 1194 | 1438 |
| 4.614 | | 3442 | 5018 |
| 4.686 | | 424 | 395 |
| 4.708 | | 518 | 578 |
| 4.752 | | 775 | 670 |
| 4.8 | | 266 | 198 |
| 4.835 | | 1027 | 1006 |
| 4.876 | | 4655 | 4991 |
| 4.943 | | 417 | 239 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.973 | | 3348 | 4917 |
| 5.039 | | 706 | 722 |
| 5.06 | | 1203 | 1089 |
| 5.116 | | 8310 | 8216 |
| 5.158 | | 1279 | 1366 |
| 5.223 | | 523 | 1020 |
| 5.264 | | 459 | 417 |
| 5.293 | | 407 | 266 |
| 5.324 | | 4869 | 6992 |
| 5.383 | | 2273 | 4167 |
| 5.416 | | 346 | 156 |
| 5.444 | | 835 | 853 |
| 5.478 | | 1091 | 1423 |
| 5.519 | | 7462 | 8062 |
| 5.619 | | 861 | 557 |
| 5.644 | | 16645 | 18597 |
| 5.723 | | 1356 | 2257 |
| 5.776 | | 586 | 457 |
| 5.824 | | 2128 | 2488 |
| 5.855 | | 519 | 307 |
| 5.868 | | 465 | 137 |
| 5.918 | | 317 | 131 |
| 5.961 | | 2553 | 3545 |
| 6.015 | | 31416 | 29675 |
| 6.079 | | 32979 | 38037 |
| 6.137 | | 475 | 375 |
| 6.208 | | 284 | 672 |
| 6.247 | | 1880 | 2493 |
| 6.283 | | 811 | 842 |
| 6.334 | | 2460 | 2714 |
| 6.371 | | 416 | 97 |
| 6.38 | | 776 | 562 |
| 6.452 | | 24096 | 25978 |
| 6.511 | | 2416 | 2961 |
| 6.601 | DCB | 2318522 | 2392632 |
| 6.701 | | 818 | 382 |
| 6.747 | | 361 | 907 |
| 6.773 | | 1441 | 1939 |
| 6.828 | | 379 | 265 |
| 6.883 | | 3304 | 5920 |
| 6.977 | | 694 | 444 |

LANCASTER LABORATORIES

Sample Number: IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:41:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289004B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.053 | | 9648 | 8013 |
| 2.2 | | 2659 | 6052 |
| 2.234 | | 5295 | 9718 |
| 2.386 | | 2084 | 5364 |
| 2.41 | | 1827 | 2015 |
| 2.467 | | 2987 | 6544 |
| 2.517 | | 5151 | 6135 |
| 2.546 | | 35010 | 30181 |
| 2.613 | TCX | 5676551 | 3316069 |
| 2.705 | | 2650 | 4793 |
| 2.776 | | 2436 | 1279 |
| 2.83 | | 78566 | 46314 |
| 2.862 | | 1066 | 661 |
| 2.946 | | 15042 | 9581 |
| 3.069 | | 1267 | 318 |
| 3.083 | | 719 | 112 |
| 3.112 | | 1462 | 626 |
| 3.117 | | 1090 | 324 |
| 3.126 | | 1055 | 523 |
| 3.157 | | 411 | 132 |
| 3.163 | | 688 | 144 |
| 3.17 | | 873 | 344 |
| 3.18 | | 1309 | 618 |
| 3.198 | | 710 | 147 |
| 3.21 | | 906 | 308 |
| 3.222 | | 706 | 113 |
| 3.234 | | 740 | 106 |
| 3.241 | | 663 | 133 |
| 3.259 | | 1035 | 272 |
| 3.268 | | 704 | 138 |
| 3.276 | | 630 | 94 |
| 3.29 | | 12489 | 7459 |
| 3.312 | | 599 | 164 |
| 3.316 | | 813 | 130 |
| 3.328 | | 5615 | 3338 |
| 3.347 | | 535 | 153 |
| 3.351 | | 1723 | 853 |
| 3.379 | | 5222 | 5461 |
| 3.415 | | 1186 | 707 |
| 3.424 | | 666 | 267 |
| 3.45 | | 1298 | 446 |
| 3.459 | | 816 | 150 |
| 3.469 | | 907 | 172 |
| 3.476 | | 565 | 113 |
| 3.483 | | 1092 | 334 |
| 3.491 | | 955 | 420 |
| 3.529 | | 2537 | 1965 |
| 3.563 | | 4404 | 3857 |
| 3.585 | | 669 | 267 |
| 3.603 | | 1374 | 1097 |
| 3.635 | | 1660 | 1442 |
| 3.646 | | 557 | 240 |
| 3.652 | | 484 | 69 |
| 3.662 | | 715 | 230 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.674 | | 563 | 105 |
| 3.712 | | 1843 | 1618 |
| 3.735 | | 1104 | 462 |
| 3.748 | | 960 | 537 |
| 3.762 | | 787 | 252 |
| 3.775 | | 657 | 291 |
| 3.787 | | 718 | 122 |
| 3.819 | | 907 | 693 |
| 3.856 | | 1917 | 1967 |
| 3.883 | | 3357 | 4449 |
| 3.921 | | 901 | 295 |
| 3.945 | | 21858 | 20015 |
| 4.024 | | 1444 | 2747 |
| 4.077 | | 9809 | 8019 |
| 4.112 | | 2047 | 2150 |
| 4.154 | | 5083 | 7275 |
| 4.205 | | 1648 | 2158 |
| 4.237 | | 2988 | 2710 |
| 4.326 | | 2374 | 3426 |
| 4.382 | | 2845 | 5712 |
| 4.439 | | 12301 | 13182 |
| 4.465 | | 1391 | 1015 |
| 4.532 | | 1414 | 1973 |
| 4.565 | | 2799 | 2425 |
| 4.593 | | 1113 | 316 |
| 4.617 | | 2108 | 1606 |
| 4.646 | | 3556 | 3298 |
| 4.667 | | 3040 | 1320 |
| 4.727 | | 933 | 5783 |
| 4.762 | | 1881 | 2178 |
| 4.835 | | 911 | 316 |
| 4.866 | | 1197 | 1057 |
| 4.913 | | 2782 | 2554 |
| 4.971 | | 2030 | 2147 |
| 5.009 | | 630 | 789 |
| 5.033 | | 1233 | 378 |
| 5.056 | | 13907 | 11170 |
| 5.084 | | 1202 | 296 |
| 5.102 | | 2830 | 2763 |
| 5.143 | | 1045 | 412 |
| 5.177 | | 31525 | 26635 |
| 5.21 | | 942 | 306 |
| 5.24 | | 899 | 996 |
| 5.255 | | 1518 | 1528 |
| 5.298 | | 1551 | 1363 |
| 5.327 | | 1043 | 838 |
| 5.344 | | 1120 | 928 |
| 5.369 | | 2580 | 2667 |
| 5.432 | | 1015 | 613 |
| 5.458 | | 1812 | 1755 |
| 5.49 | | 663 | 365 |
| 5.518 | | 69477 | 61680 |
| 5.586 | | 73087 | 67026 |
| 5.636 | | 16771 | 15546 |
| 5.697 | | 1167 | 2142 |
| 5.724 | | 1020 | 936 |
| 5.744 | | 1454 | 1014 |
| 5.804 | | 2151 | 3016 |
| 5.83 | | 1369 | 870 |
| 5.848 | | 1234 | 921 |
| 5.9 | | 1246 | 2248 |
| 5.939 | | 66214 | 54553 |
| 5.969 | | 4932 | 3975 |
| 5.991 | | 1378 | 1140 |
| 6.038 | | 1395 | 564 |
| 6.098 | DCB | 7333131 | 6125089 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.22 | | 1486 | 1908 |
| 6.234 | | 1576 | 1015 |
| 6.27 | | 651 | 376 |
| 6.313 | | 1767 | 1168 |
| 6.346 | | 967 | 598 |
| 6.374 | | 1071 | 1519 |
| 6.404 | | 1108 | 967 |
| 6.431 | | 1696 | 1239 |
| 6.465 | | 906 | 655 |
| 6.521 | | 1848 | 3984 |
| 6.549 | | 8921 | 8913 |
| 6.624 | | 720 | 770 |
| 6.653 | | 1756 | 1110 |
| 6.688 | | 839 | 174 |
| 6.728 | | 2042 | 2951 |
| 6.765 | | 1696 | 1052 |
| 6.777 | | 1778 | 1371 |
| 6.83 | | 726 | 233 |
| 6.873 | | 2255 | 1726 |
| 6.911 | | 1791 | 1876 |
| 6.986 | | 1349 | 619 |

IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082

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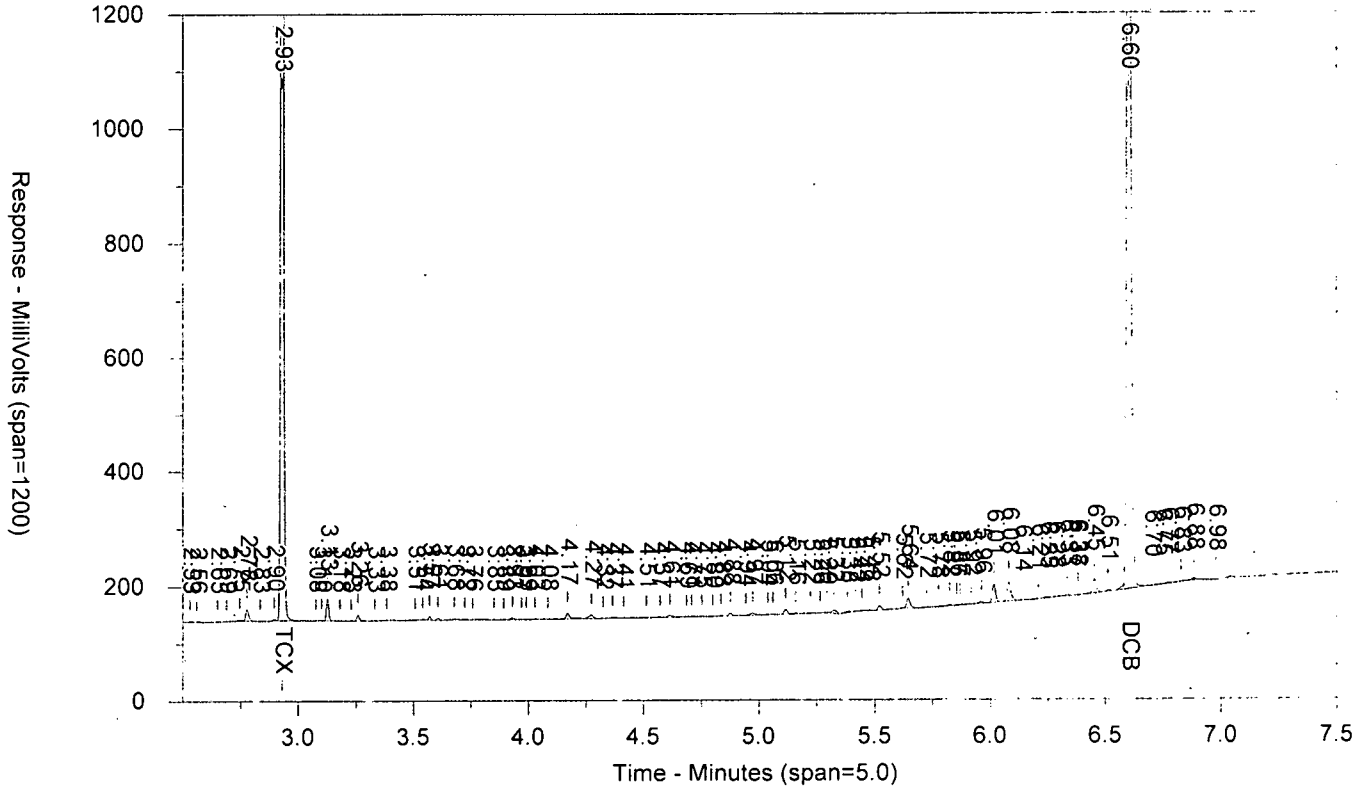


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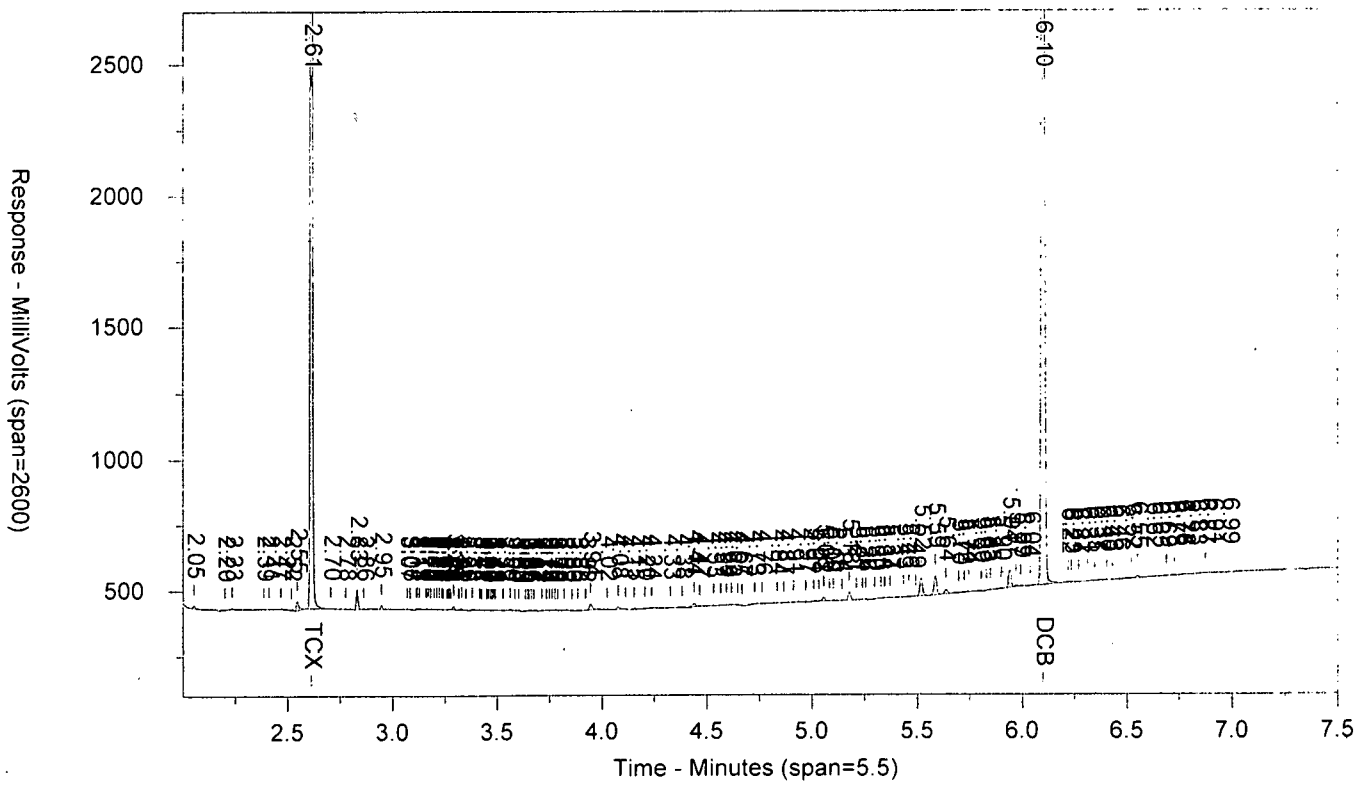


LANCASTER LABORATORIES

Sample Number: IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:41:49 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

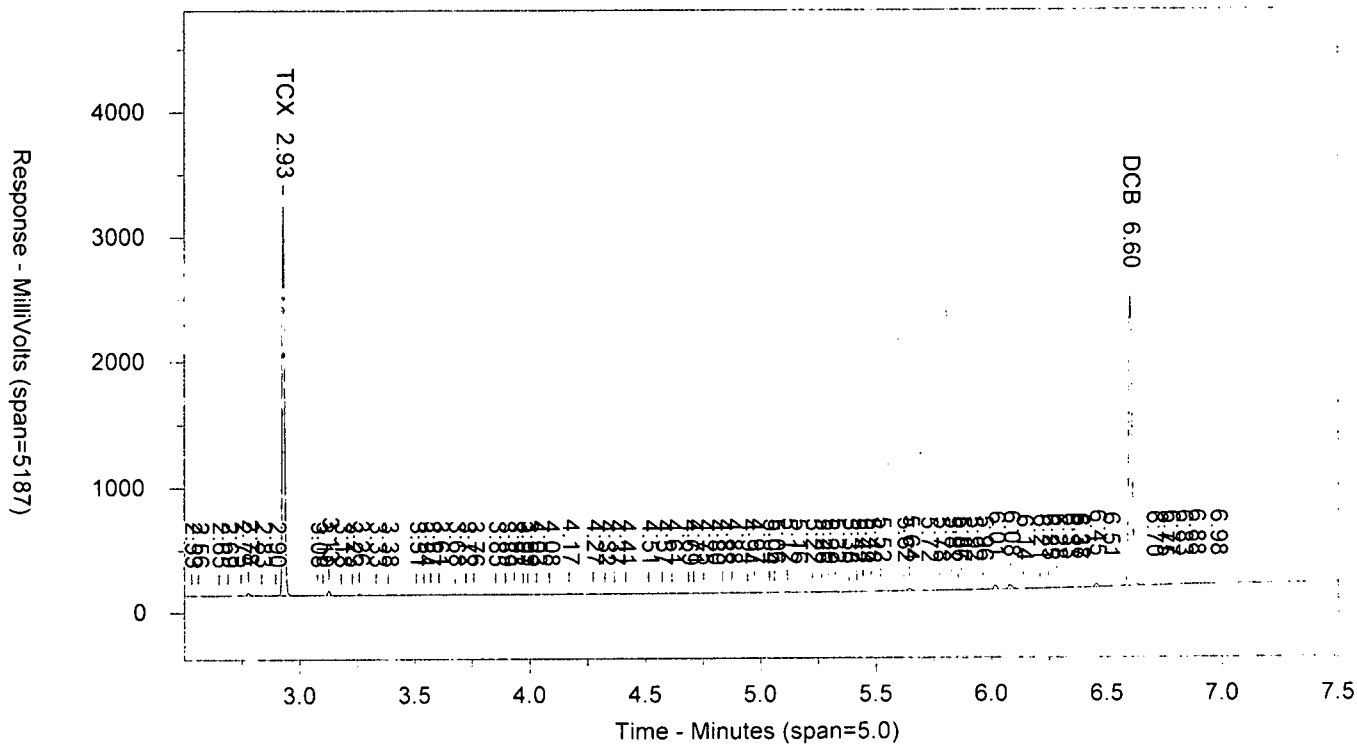
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.93 | 3109427 | .212 | TCX | 2.613 | 5676551 | .213 | TCX |
| 6.601 | 2318522 | .203 | DCB | 6.098 | 7333131 | .198 | DCB |

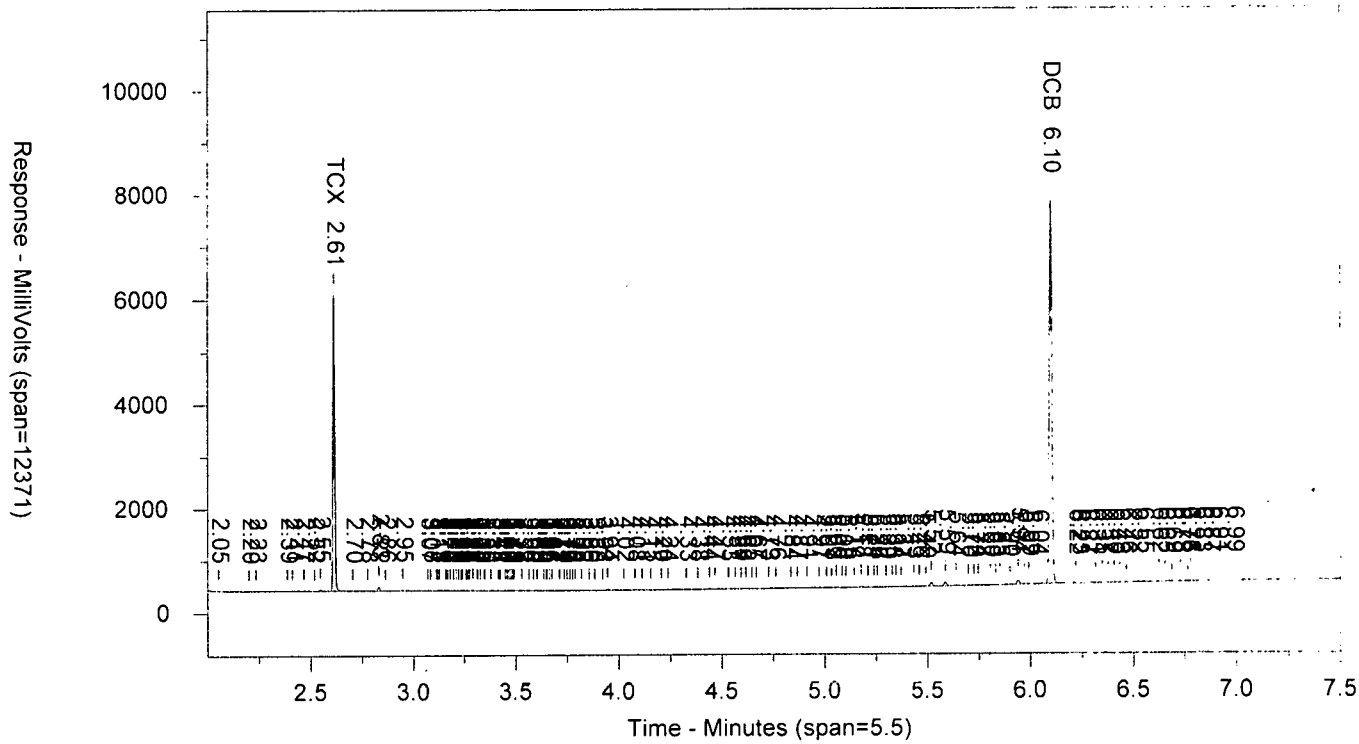
Files:
Area File: 25pcbs17289004.013.RAW
Area File: 25pcbs17289004B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/19/2017 9:50:19 PM
File Reported On: 10/19/2017 at 9:50:30 PM

IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.013.RAW

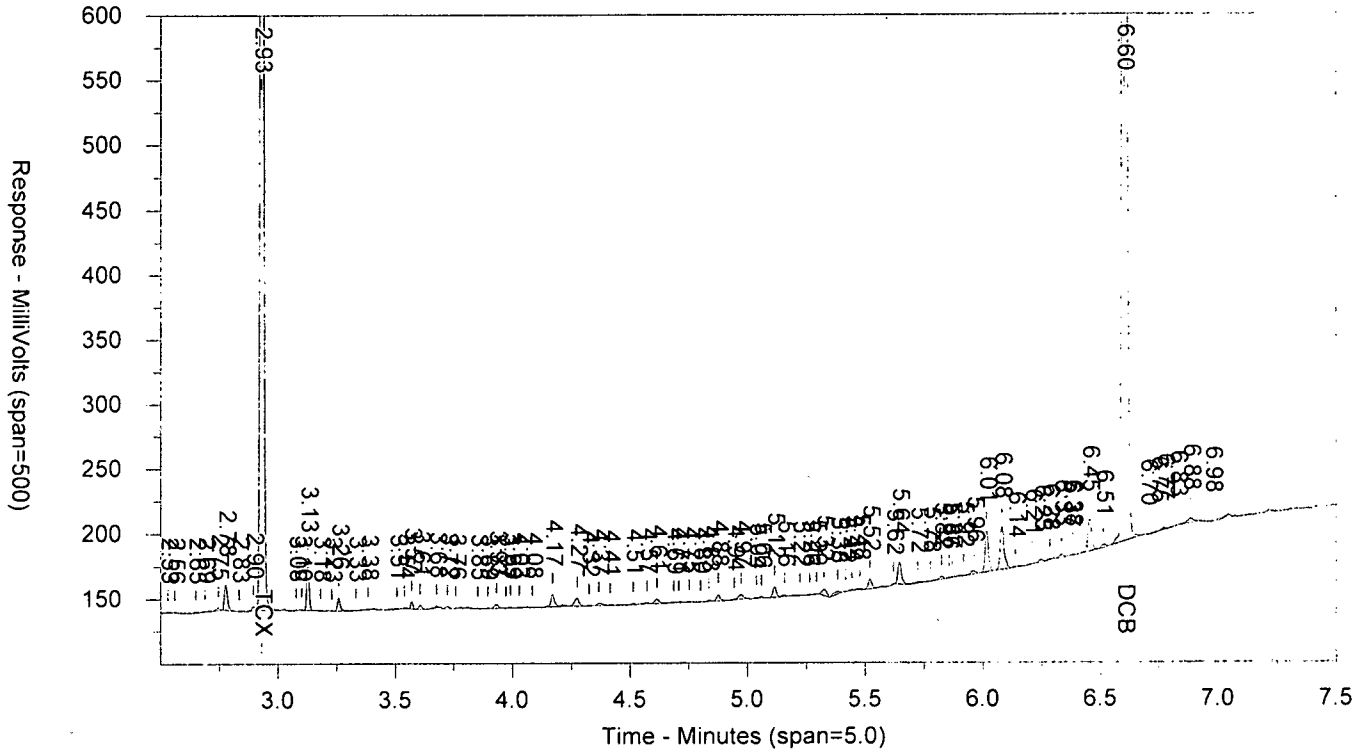



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004B.013.RAW

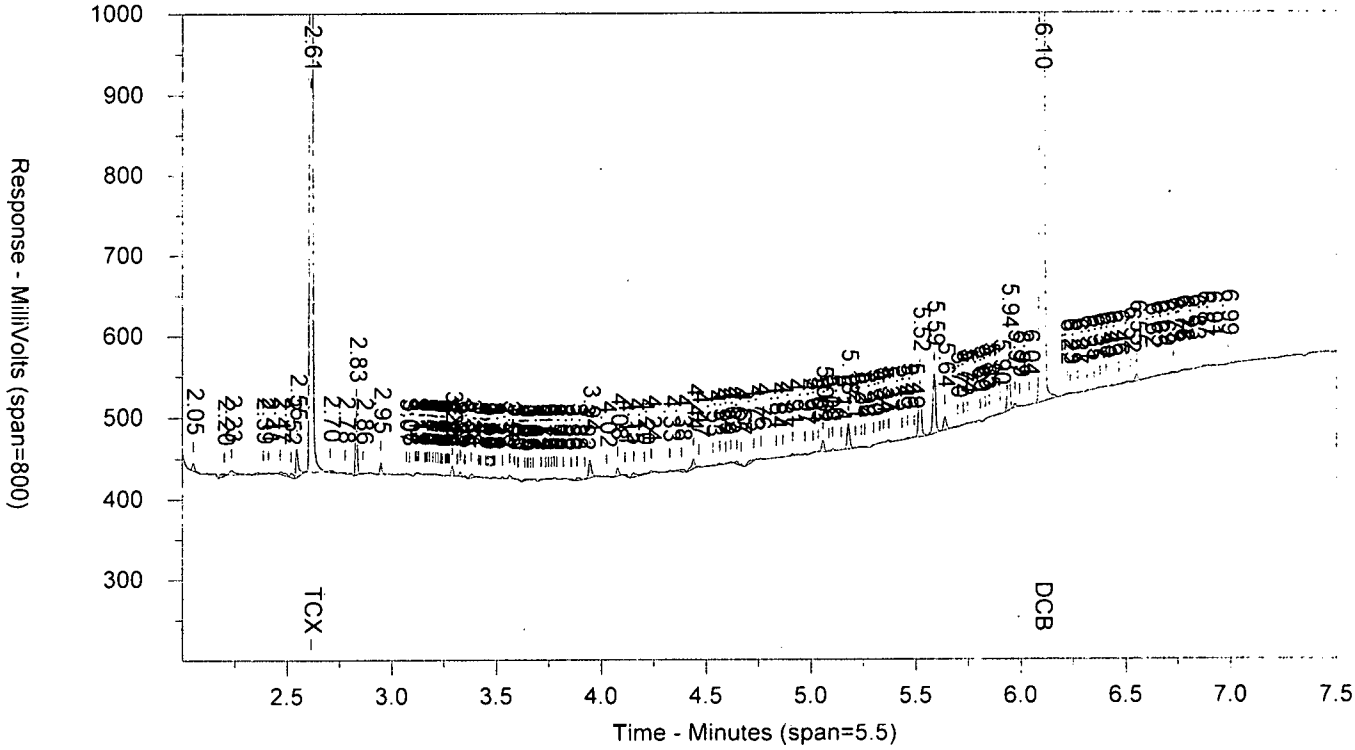


IBLKX1724B WNPIBLKWN PIBLK1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004.013.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289004B.013.RAW



# Raw QC Data

# Polychlorinated Biphenyls (PCBs)

eurofins

Lancaster Laboratories Environmental

# Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK27282 BLK Sample ID: AB **Batchnumber: 172820027A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:

**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 07:25:46 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0066.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 102% ( 61 - 152 ) Conc: 31.03982

%SSR(DCB) 93% ( 48 - 164 ) Conc: 25.17289

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 07:25:46 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0066.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 95% ( 61 - 152 ) Conc: 29.16158

%SSR(DCB) 93% ( 48 - 164 ) Conc: 25.27207

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 8508650 | 31.03982 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 12088270 | 29.16158 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 5079496 | 25.17289 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 9566889 | 25.27207 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | A | 31.03982 | | | | 6.24 | |
| Tetrachloro-m-xylene-D1 | A | 31.03982 | | | | | |
| Tetrachloro-m-xylene-D2 | B | 29.16158 | | | | | |
| Decachlorobiphenyl | B | 25.27207 | | | | 0.39 | |
| Decachlorobiphenyl-D1 | A | 25.17289 | | | | | |
| Decachlorobiphenyl-D2 | B | 25.27207 | | | | | |

## Multiple Component Summary

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

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:04

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0066.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.03982
%SSR(DCB) : 93% (48-164) Conc.: 25.17289

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **2** | **28.20** | |
| 3.71 | 3.72 | 3.75 | 4129.181 | 0.561184 | | | 4 |
| + 3.77 | 3.78 | 3.81 | 1472.877 | 0.227392 | | | 5 |
| 3.77 | 3.80 | 3.81 | 5445.614 | 0.840729 | | | 5 |
| Height Summation: | | | **9574.795** | | | | |
| Amount Avg CF: | | | **0.700957** | Linear: | | | |
| **Aroclor-1221** | | | | | **1** | | |
| 3.12 | 3.13 | 3.16 | 121782.1 | 56.055719 | | | 2 |
| Height Summation: | | | **121782.1** | | | | |
| Amount Avg CF: | | | **56.055719** | Linear: | | | |
| **Aroclor-1232** | | | | | **2** | **33.18** | |
| 3.71 | 3.72 | 3.75 | 4129.181 | 1.237 | | | 4 |
| + 3.77 | 3.78 | 3.81 | 1472.877 | 0.539665 | | | 5 |
| 3.77 | 3.80 | 3.81 | 5445.614 | 1.995284 | | | 5 |
| Height Summation: | | | **9574.795** | | | | |
| Amount Avg CF: | | | **1.616142** | Linear: | | | |
| **Aroclor-1242** | | | | | **2** | **29.94** | |
| 3.71 | 3.72 | 3.75 | 4129.181 | 0.408845 | | | 4 |
| + 3.77 | 3.78 | 3.81 | 1472.877 | 0.169984 | | | 5 |
| 3.77 | 3.80 | 3.81 | 5445.614 | 0.628475 | | | 5 |
| Height Summation: | | | **9574.795** | | | | |
| Amount Avg CF: | | | **0.51866** | Linear: | | | |
| **Aroclor-1248** | | | | | **4** | **58.01** | |
| 3.71 | 3.72 | 3.75 | 4129.181 | 1.259032 | | | 1 |
| + 3.77 | 3.78 | 3.81 | 1472.877 | 0.410452 | | | 2 |
| 3.77 | 3.80 | 3.81 | 5445.614 | 1.517551 | | | 2 |
| + 3.84 | 3.85 | 3.88 | 911.1337 | 0.148315 | | | 3 |
| 3.84 | 3.87 | 3.88 | 939.3712 | 0.152912 | | | 3 |
| 4.23 | 4.23 | 4.27 | 9331.688 | 1.345933 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 4777.768 | 0.68911 | | | 6 |
| Height Summation: | | | **19845.8542** | | | | |
| Amount Avg CF: | | | **1.068857** | Linear: | | | |
| **Aroclor-1254** | | | | | **5** | **43.75** | |
| 4.21 | 4.23 | 4.25 | 9331.688 | 1.201417 | | | 1 |
| 4.55 | 4.57 | 4.59 | 5240.732 | 0.610172 | | | 3 |
| 4.61 | 4.63 | 4.65 | 11738.39 | 0.685558 | | | 4 |
| 5.02 | 5.04 | 5.06 | 2377.343 | 0.397451 | | | 5 |
| 5.14 | 5.16 | 5.18 | 11180.37 | 1.164824 | | | 6 |
| Height Summation: | | | **39868.523** | | | | |
| Amount Avg CF: | | | **0.811884** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0066.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 29.16158
%SSR(DCB) : 93% (48-164) Conc.: 25.27207

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **4** | **165.94** | |
| 2.86 | 2.88 | 2.90 | 4846.425 | 0.692315 | | | 1 |
| 3.19 | 3.22 | 3.23 | 111096.3 | 12.650795 | | | 2 |
| 3.38 | 3.41 | 3.42 | 1878.818 | 0.207891 | | | 3 |
| 3.51 | 3.51 | 3.55 | 6980.271 | 0.966079 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 2588.856 | 0.358301 | | | 5 |
| Height Summation: | | | **124801.814** | | | | |
| Amount Avg CF: | | | **3.62927** | Linear: | | | |
| **Aroclor-1221** | | | | | **2** | **139.31** | |
| 2.80 | 2.81 | 2.84 | 166617.5 | 63.862946 | | | 2 |
| 2.86 | 2.88 | 2.90 | 4846.425 | 0.48063 | | | 3 |
| Height Summation: | | | **171463.925** | | | | |
| Amount Avg CF: | | | **32.171788** | Linear: | | | |
| **Aroclor-1232** | | | | | **4** | **169.83** | |
| 2.86 | 2.88 | 2.90 | 4846.425 | 0.59852 | | | 1 |
| 3.19 | 3.22 | 3.23 | 111096.3 | 27.634285 | | | 2 |
| 3.38 | 3.41 | 3.42 | 1878.818 | 0.463733 | | | 3 |
| 3.51 | 3.51 | 3.55 | 6980.271 | 2.518811 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 2588.856 | 0.934181 | | | 5 |
| Height Summation: | | | **124801.814** | | | | |
| Amount Avg CF: | | | **7.803837** | Linear: | | | |
| **Aroclor-1242** | | | | | **4** | **165.19** | |
| 2.86 | 2.88 | 2.90 | 4846.425 | 0.487781 | | | 1 |
| 3.19 | 3.22 | 3.23 | 111096.3 | 9.149813 | | | 2 |
| 3.38 | 3.41 | 3.42 | 1878.818 | 0.154867 | | | 3 |
| 3.51 | 3.51 | 3.55 | 6980.271 | 0.7427 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 2588.856 | 0.275454 | | | 5 |
| Height Summation: | | | **124801.814** | | | | |
| Amount Avg CF: | | | **2.63379** | Linear: | | | |
| **Aroclor-1248** | | | | | **4** | **24.24** | |
| 3.38 | 3.41 | 3.42 | 1878.818 | 0.510675 | | | 1 |
| 3.49 | 3.51 | 3.53 | 6980.271 | 0.751746 | | | 3 |
| 3.70 | 3.71 | 3.74 | 4669.788 | 0.584767 | | | 5 |
| + 3.70 | 3.74 | 3.74 | 2990.653 | 0.3745 | | | 5 |
| 3.84 | 3.85 | 3.88 | 6453.668 | 0.427716 | | | 6 |
| Height Summation: | | | **19982.545** | | | | |
| Amount Avg CF: | | | **0.568726** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **63.11** | |
| 4.19 | 4.21 | 4.23 | 10090.66 | 0.443447 | | | 1 |
| 4.28 | 4.31 | 4.32 | 21238.51 | 1.930646 | | | 2 |
| 4.35 | 4.37 | 4.39 | 6972.065 | 0.549377 | | | 3 |
| 4.42 | 4.44 | 4.46 | 9473.208 | 1.051234 | | | 4 |
| 4.57 | 4.59 | 4.61 | 4326.436 | 0.440369 | | | 5 |
| 4.65 | 4.68 | 4.69 | 24134.37 | 1.477316 | | | 6 |
| Height Summation: | | | **76235.249** | | | | |
| Amount Avg CF: | | | **0.982065** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0066.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 36.29 | |
| 4.74 | 4.76 | 4.78 | 5421.377 | 0.467649 | | | 1 |
| 4.94 | 4.96 | 4.98 | 6475.698 | 0.552467 | | | 2 |
| 5.14 | 5.16 | 5.18 | 11180.37 | 0.784513 | | | 3 |
| 5.37 | 5.39 | 5.41 | 2372.461 | 0.300871 | | | 4 |
| 5.61 | 5.63 | 5.65 | 11047.85 | 0.449769 | | | 5 |
| 5.81 | 5.83 | 5.85 | 13781.32 | 0.826398 | | | 6 |
| Height Summation: | | | **50279.076** | | | | |
| Amount Avg CF: | | | **0.563611** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 36.04 | |
| 5.21 | 5.23 | 5.25 | 6542.072 | 0.435804 | | | 1 |
| 5.37 | 5.39 | 5.41 | 2372.461 | 0.221394 | | | 2 |
| 5.61 | 5.63 | 5.65 | 11047.85 | 0.387394 | | | 3 |
| 5.81 | 5.83 | 5.85 | 13781.32 | 0.622589 | | | 4 |
| 6.24 | 6.25 | 6.28 | 3942.283 | 0.354072 | | | 6 |
| Height Summation: | | | **37685.986** | | | | |
| Amount Avg CF: | | | **0.404251** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 133.17 | |
| 5.81 | 5.83 | 5.85 | 13781.32 | 0.321519 | | | 1 |
| 6.00 | 6.02 | 6.04 | 54702.42 | 1.636866 | | | 3 |
| 6.06 | 6.08 | 6.10 | 47491.35 | 5.691639 | | | 4 |
| 6.23 | 6.25 | 6.27 | 3942.283 | 0.323686 | | | 5 |
| 6.43 | 6.46 | 6.47 | 53141.27 | 0.611805 | | | 6 |
| Height Summation: | | | **173058.643** | | | | |
| Amount Avg CF: | | | **1.717103** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0066.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 50.32 | |
| 4.42 | 4.44 | 4.46 | 9473.208 | 0.459257 | | | 1 |
| 4.52 | 4.55 | 4.56 | 9404.037 | 0.607451 | | | 2 |
| 4.65 | 4.68 | 4.69 | 24134.37 | 1.233869 | | | 3 |
| 4.87 | 4.89 | 4.91 | 4875.701 | 0.363446 | | | 4 |
| 5.06 | 5.08 | 5.10 | 13861.84 | 0.440197 | | | 5 |
| 5.32 | 5.34 | 5.36 | 14035.16 | 0.681595 | | | 6 |
| Height Summation: | | | **75784.316** | | | | |
| Amount Avg CF: | | | **0.630969** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 38.57 | |
| 4.87 | 4.89 | 4.91 | 4875.701 | 0.234245 | | | 2 |
| + 5.06 | 5.06 | 5.10 | 2387.75 | 0.057439 | | | 3 |
| 5.06 | 5.08 | 5.10 | 13861.84 | 0.333458 | | | 3 |
| 5.28 | 5.30 | 5.32 | 3197.722 | 0.188925 | | | 4 |
| 5.33 | 5.34 | 5.36 | 14035.16 | 0.51171 | | | 5 |
| 5.71 | 5.72 | 5.74 | 6159.772 | 0.382244 | | | 6 |
| Height Summation: | | | **42130.195** | | | | |
| Amount Avg CF: | | | **0.330116** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 141.35 | |
| 5.28 | 5.30 | 5.32 | 3197.722 | 0.066118 | | | 1 |
| 5.33 | 5.34 | 5.36 | 14035.16 | 0.307955 | | | 2 |
| 5.48 | 5.50 | 5.52 | 63314.45 | 1.47236 | | | 3 |
| 5.55 | 5.57 | 5.59 | 53923.46 | 4.830503 | | | 4 |
| 5.70 | 5.72 | 5.74 | 6159.772 | 0.341998 | | | 5 |
| 5.90 | 5.92 | 5.94 | 92228.64 | 0.653082 | | | 6 |
| Height Summation: | | | **232859.204** | | | | |
| Amount Avg CF: | | | **1.278669** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 51 | 9.9 | | ** 135.25 | 4 | 40 | |
| Aroclor-1221 | | | 51 | 15.3 | | ** 54.14 | 3 | 40 | |
| Aroclor-1232 | | | 51 | 12.3 | | ** 131.37 | 4 | 40 | |
| Aroclor-1242 | | | 51 | 12.3 | | ** 134.19 | 4 | 40 | |
| Aroclor-1248 | | | 51 | 9.9 | | ** 61.08 | 4 | 40 | |
| Aroclor-1254 | | | 51 | 13.2 | | 18.97 | 4 | 40 | |
| Aroclor-1260 | | | 51 | 11.7 | | 11.28 | 4 | 40 | |
| Aroclor-1262 | | | 51 | 9.9 | | 20.19 | 4 | 40 | |
| Aroclor-1268 | | | 51 | 9.9 | | 29.27 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0066.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.54 | | 6657 | 7060 |
| 1.555 | | 10808 | 12102 |
| 1.6 | | 33473 | 33283 |
| 1.687 | | 52874 | 45832 |
| 1.802 | | 2236 | 870 |
| 1.854 | | 8536 | 7339 |
| 1.916 | | 8548 | 5366 |
| 2.005 | | 35331 | 29110 |
| 2.051 | | 9781 | 11705 |
| 2.089 | | 13640 | 14485 |
| 2.143 | | 497600 | 371194 |
| 2.211 | | 25462 | 29972 |
| 2.237 | | 15774 | 14901 |
| 2.333 | | 91568 | 63293 |
| 2.402 | | 589973 | 374309 |
| 2.496 | | 4782 | 4901 |
| 2.513 | | 9758 | 7981 |
| 2.545 | | 3818 | 3305 |
| 2.669 | | 8147 | 5253 |
| 2.693 | | 3485 | 2169 |
| 2.711 | | 5654 | 3493 |
| 2.745 | | 32738 | 26771 |
| 2.785 | | 6027 | 3340 |
| 2.881 | | 7357 | 3584 |
| 2.937 | TCX | 8508650 | 5549275 |
| 2.997 | | 3938 | 2008 |
| 3.134 | | 121782 | 89170 |
| 3.24 | | 3740 | 2030 |
| 3.265 | | 24244 | 16782 |
| 3.356 | | 2838 | 2388 |
| 3.476 | | 19001 | 11528 |
| 3.494 | | 20554 | 11951 |
| 3.596 | | 69133 | 46384 |
| 3.661 | | 64240 | 47414 |
| 3.717 | | 4129 | 2491 |
| 3.778 | | 1473 | 610 |
| 3.8 | | 5446 | 4711 |
| 3.854 | | 911 | 386 |
| 3.87 | | 939 | 138 |
| 3.887 | | 4554 | 3048 |
| 3.917 | | 1025 | 303 |
| 3.922 | | 1976 | 654 |
| 4.036 | | 2960 | 2124 |
| 4.173 | | 9592 | 7281 |
| 4.23 | | 9332 | 6212 |
| 4.249 | | 4778 | 2504 |
| 4.281 | | 12068 | 13374 |
| 4.382 | | 4746 | 4350 |
| 4.405 | | 1569 | 306 |
| 4.414 | | 3374 | 1688 |
| 4.457 | | 2474 | 1240 |
| 4.516 | | 2050 | 1467 |
| 4.55 | | 1398 | 409 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.569 | | 5241 | 4179 |
| 4.601 | | 2411 | 803 |
| 4.635 | | 11738 | 10703 |
| 4.757 | | 5421 | 5873 |
| 4.806 | | 1635 | 1308 |
| 4.831 | | 4540 | 3515 |
| 4.88 | | 1544 | 1089 |
| 4.901 | | 5304 | 6088 |
| 4.959 | | 6476 | 6240 |
| 5.042 | | 2377 | 1441 |
| 5.119 | | 5421 | 6218 |
| 5.161 | | 11180 | 11344 |
| 5.231 | | 6542 | 7425 |
| 5.328 | | 1945 | 3436 |
| 5.395 | | 2372 | 6326 |
| 5.427 | | 2438 | 1525 |
| 5.489 | | 1835 | 3007 |
| 5.527 | | 2764 | 1875 |
| 5.569 | | 2934 | 2246 |
| 5.628 | | 11048 | 8149 |
| 5.65 | | 10498 | 7811 |
| 5.83 | | 13781 | 14487 |
| 5.943 | | 1983 | 775 |
| 6.022 | | 54702 | 51899 |
| 6.084 | | 47491 | 50327 |
| 6.135 | | 1492 | 727 |
| 6.253 | | 3942 | 3603 |
| 6.457 | | 53141 | 53746 |
| 6.562 | | 1718 | 854 |
| 6.601 | DCB | 5079496 | 5079068 |
| 7.138 | | 1596 | 815 |
| 7.446 | | 1372 | 556 |
| 7.511 | | 1530 | 2277 |
| 7.54 | | 1512 | 430 |
| 7.598 | | 1425 | 674 |
| 7.628 | | 1281 | 568 |
| 7.67 | | 1104 | 421 |
| 7.722 | | 1652 | 416 |
| 7.744 | | 1369 | 929 |
| 7.895 | | 1295 | 385 |
| 7.916 | | 1751 | 704 |
| 8.069 | | 1061 | 523 |
| 8.119 | | 1587 | 503 |
| 8.15 | | 1427 | 416 |
| 8.264 | | 1910 | 558 |
| 8.347 | | 1581 | 654 |
| 8.384 | | 2132 | 611 |
| 8.393 | | 2002 | 631 |
| 8.412 | | 1455 | 392 |
| 8.434 | | 1275 | 436 |
| 8.511 | | 1404 | 799 |
| 8.563 | | 1371 | 1338 |

LANCASTER LABORATORIES

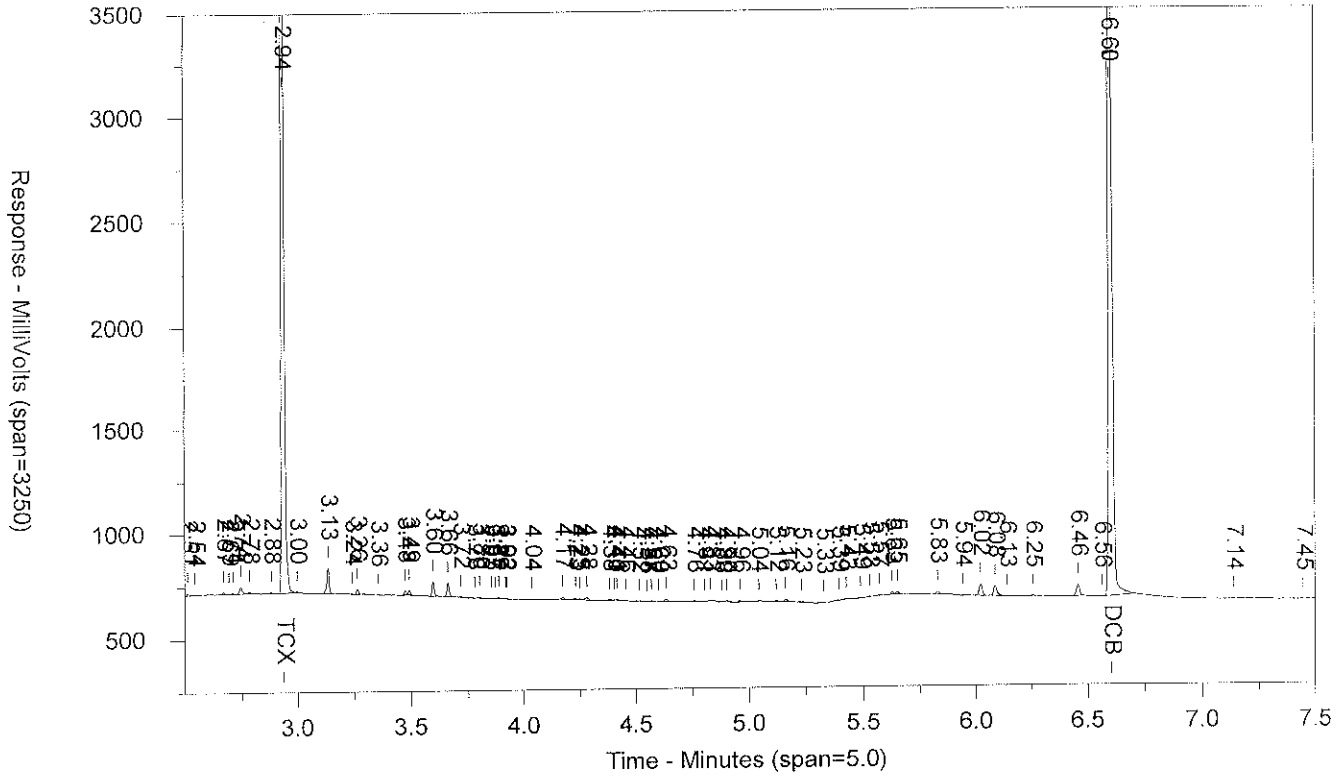
Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0066.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.528 | | 4220 | 3705 |
| 1.584 | | 5466 | 4564 |
| 1.602 | | 11631 | 10367 |
| 1.637 | | 7145 | 10998 |
| 1.674 | | 4591 | 4301 |
| 1.713 | | 6412 | 5538 |
| 1.735 | | 44496 | 36990 |
| 1.802 | | 20964 | 19695 |
| 1.85 | | 691183 | 497342 |
| 1.899 | | 144759 | 127655 |
| 1.967 | | 38487 | 35197 |
| 2.031 | | 6157 | 5880 |
| 2.092 | | 855681 | 521076 |
| 2.158 | | 1908 | 1374 |
| 2.177 | | 9522 | 6107 |
| 2.209 | | 3333 | 3556 |
| 2.261 | | 2955 | 1589 |
| 2.305 | | 13197 | 10107 |
| 2.368 | | 10536 | 5748 |
| 2.411 | | 47469 | 29999 |
| 2.439 | | 10413 | 7411 |
| 2.477 | | 5725 | 3519 |
| 2.509 | | 15778 | 9557 |
| 2.568 | | 13414 | 6508 |
| 2.592 | TCX | 12088270 | 7509349 |
| 2.713 | | 25409 | 14514 |
| 2.741 | | 3611 | 2643 |
| 2.809 | | 166618 | 105278 |
| 2.879 | | 4846 | 2754 |
| 2.899 | | 6862 | 3473 |
| 2.925 | | 32931 | 19269 |
| 2.975 | | 6586 | 4770 |
| 2.996 | | 5213 | 4815 |
| 3.097 | | 4540 | 4752 |
| 3.126 | | 41561 | 23769 |
| 3.15 | | 4167 | 1655 |
| 3.163 | | 32129 | 17379 |
| 3.224 | | 111096 | 66244 |
| 3.27 | | 2303 | 1133 |
| 3.299 | | 99106 | 62575 |
| 3.341 | | 12366 | 10001 |
| 3.411 | | 1879 | 1241 |
| 3.44 | | 8562 | 4632 |
| 3.513 | | 6980 | 5660 |
| 3.547 | | 2589 | 2633 |
| 3.601 | | 4451 | 3679 |
| 3.653 | | 5441 | 4141 |
| 3.682 | | 3673 | 2641 |
| 3.715 | | 4670 | 3589 |
| 3.739 | | 2991 | 2693 |
| 3.806 | | 12606 | 11128 |
| 3.854 | | 6454 | 4975 |
| 3.917 | | 17254 | 15235 |
| 3.951 | | 5577 | 4150 |

| | | | |
|---|---|---|---|
| 3.983 | | 6748 | 8250 |
| 4.048 | | 13082 | 11130 |
| 4.091 | | 4578 | 2706 |
| 4.15 | | 5064 | 4295 |
| 4.21 | | 10091 | 9138 |
| 4.311 | | 21239 | 21122 |
| 4.373 | | 6972 | 4867 |
| 4.438 | | 9473 | 7212 |
| 4.502 | | 2725 | 2347 |
| 4.554 | | 9404 | 15361 |
| 4.588 | | 4326 | 2930 |
| 4.634 | | 6680 | 5837 |
| 4.678 | | 24134 | 31415 |
| 4.738 | | 3183 | 4112 |
| 4.818 | | 3412 | 3656 |
| 4.886 | | 4876 | 3848 |
| 4.91 | | 4455 | 3215 |
| 4.96 | | 3491 | 3627 |
| 5.028 | | 3362 | 2991 |
| 5.062 | | 2388 | 1812 |
| 5.082 | | 13862 | 12682 |
| 5.153 | | 12167 | 9943 |
| 5.19 | | 5613 | 7182 |
| 5.3 | | 3198 | 2497 |
| 5.344 | | 14035 | 15167 |
| 5.498 | | 63314 | 55873 |
| 5.567 | | 53923 | 47692 |
| 5.616 | | 4601 | 5266 |
| 5.723 | | 6160 | 5357 |
| 5.925 | | 92229 | 79982 |
| 6.083 | DCB | 9566889 | 8875331 |
| 6.568 | | 1973 | 1595 |
| 7.968 | | 1935 | 4158 |
| 8.162 | | 10432 | 20255 |

BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0066.RAW

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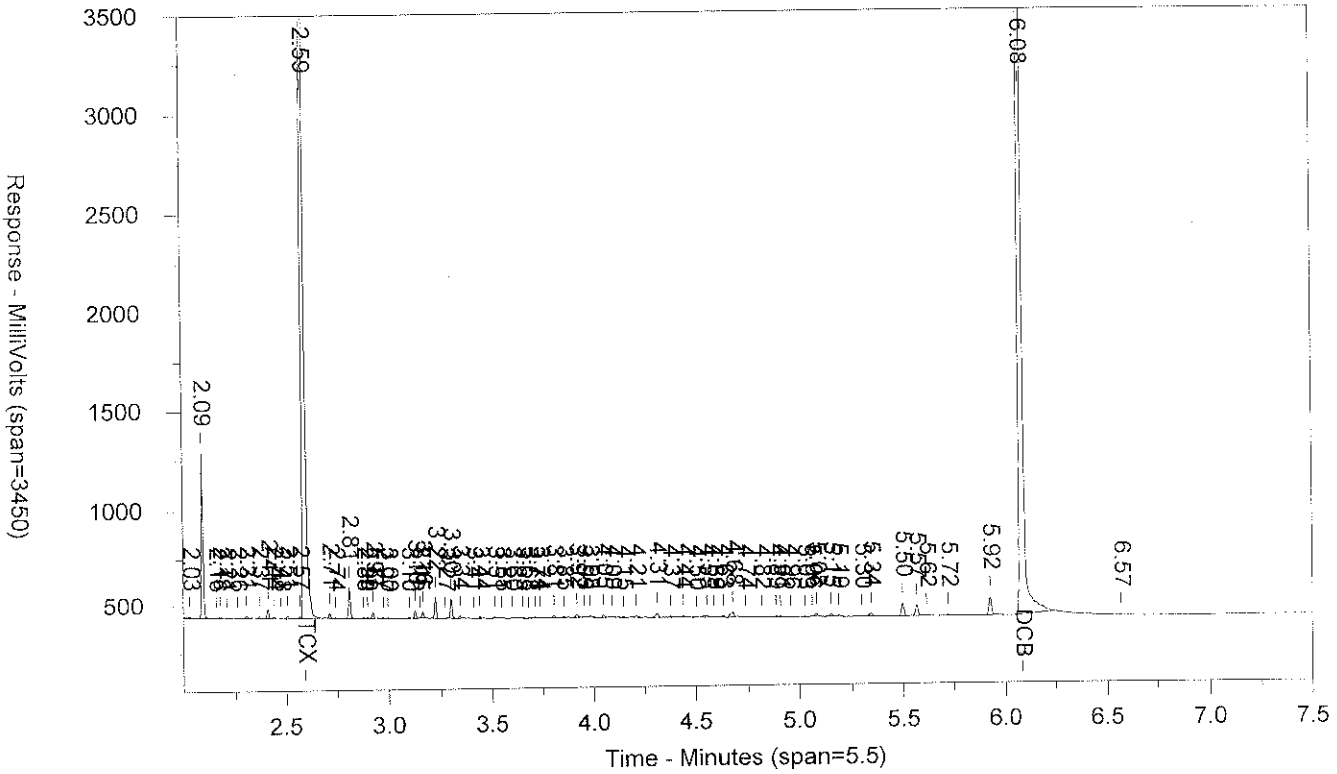


LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 8
Calibration Type: external
Quantitation: Height

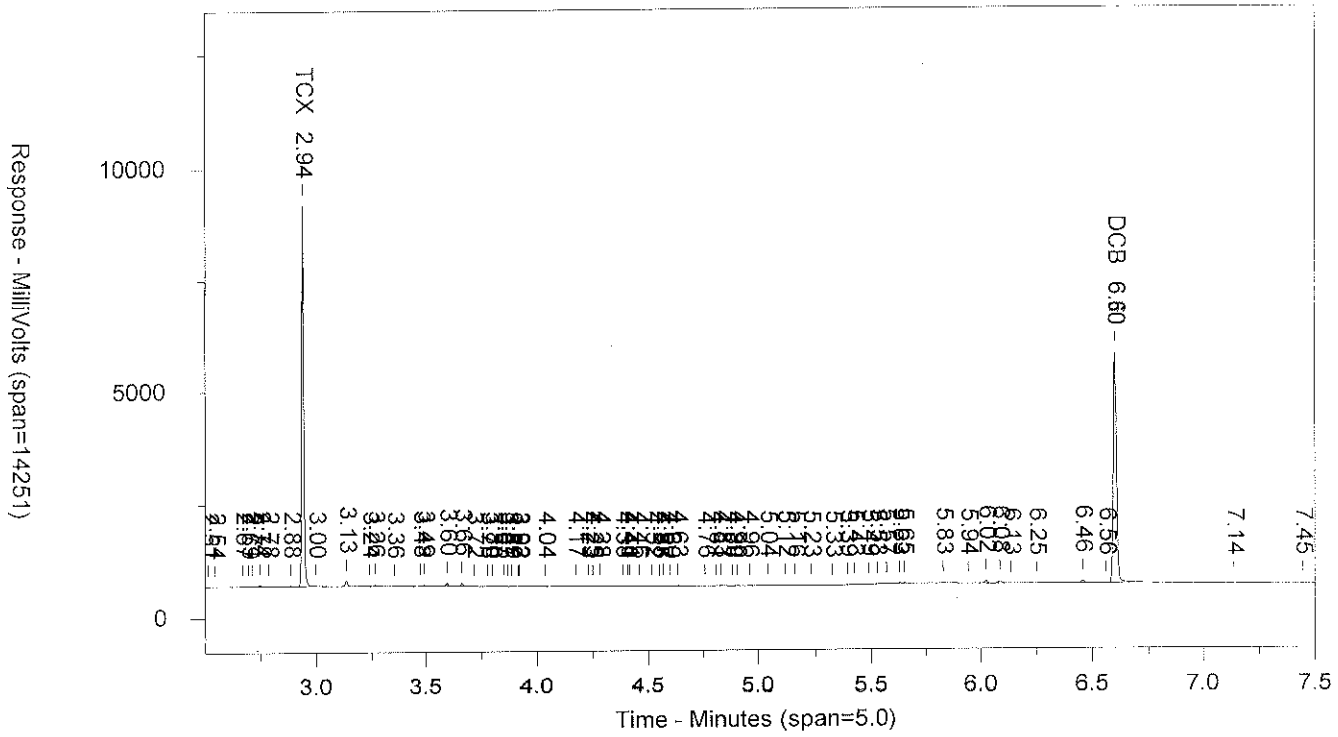
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 8508650 | 31.04 | TCX | 2.592 | 12088270 | 29.162 | TCX |
| 6.601 | 5079496 | 25.173 | DCB | 6.083 | 9566889 | 25.272 | DCB |

Files:
Area File: 07PCBS17284001.0066.RAW
Area File: 07PCBS17284001B.0066.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:00 AM

BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0066.RAW

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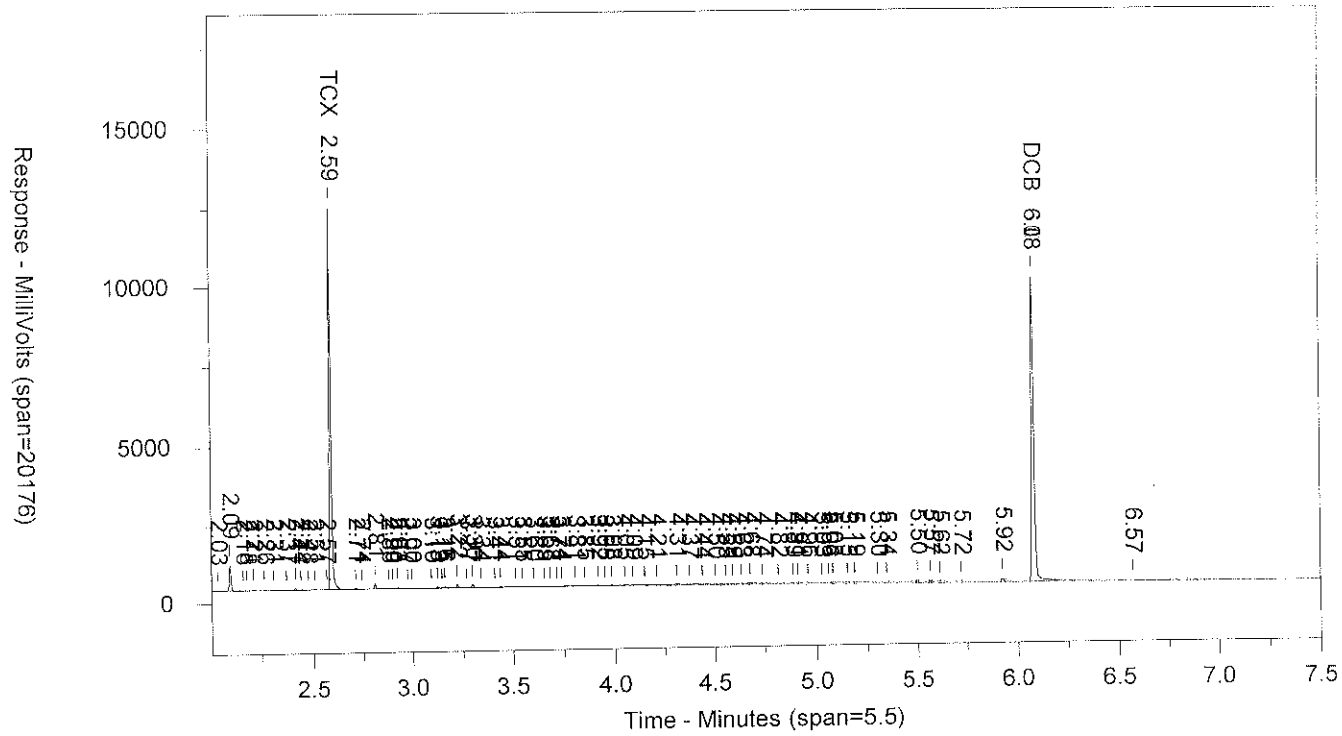
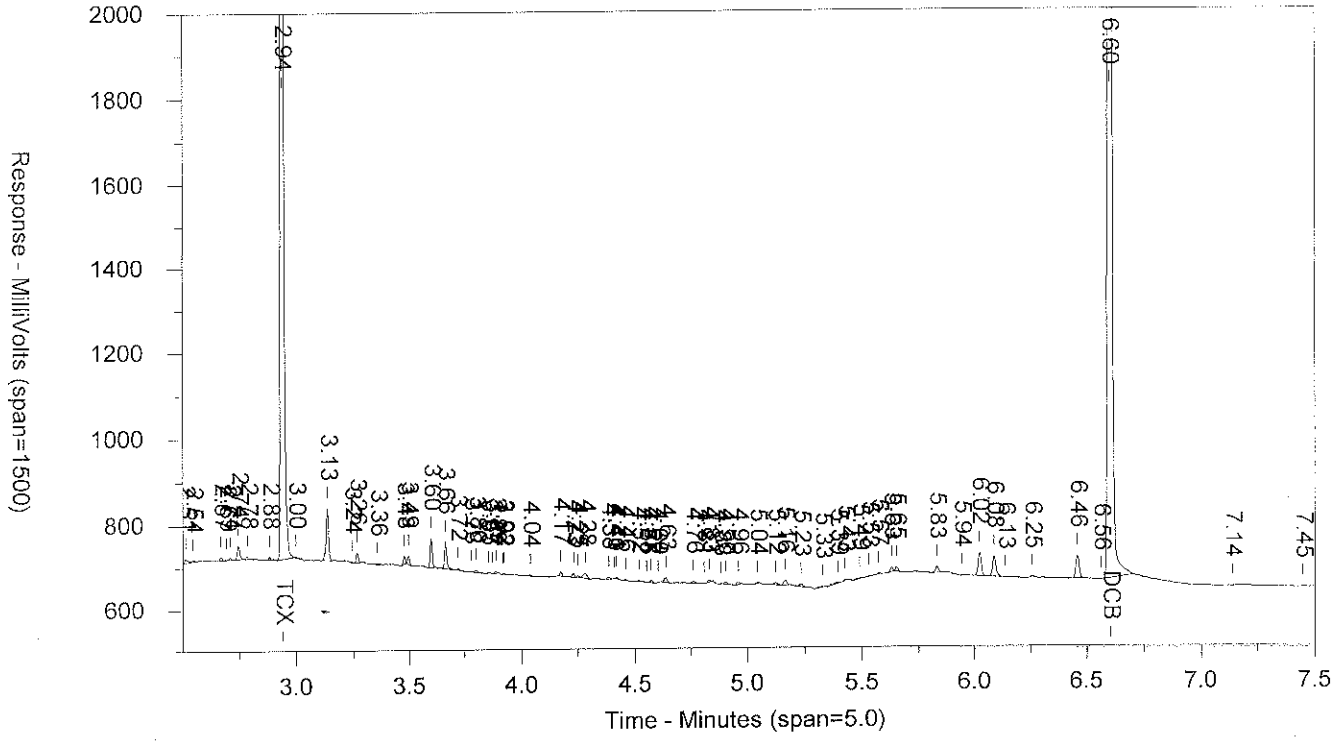
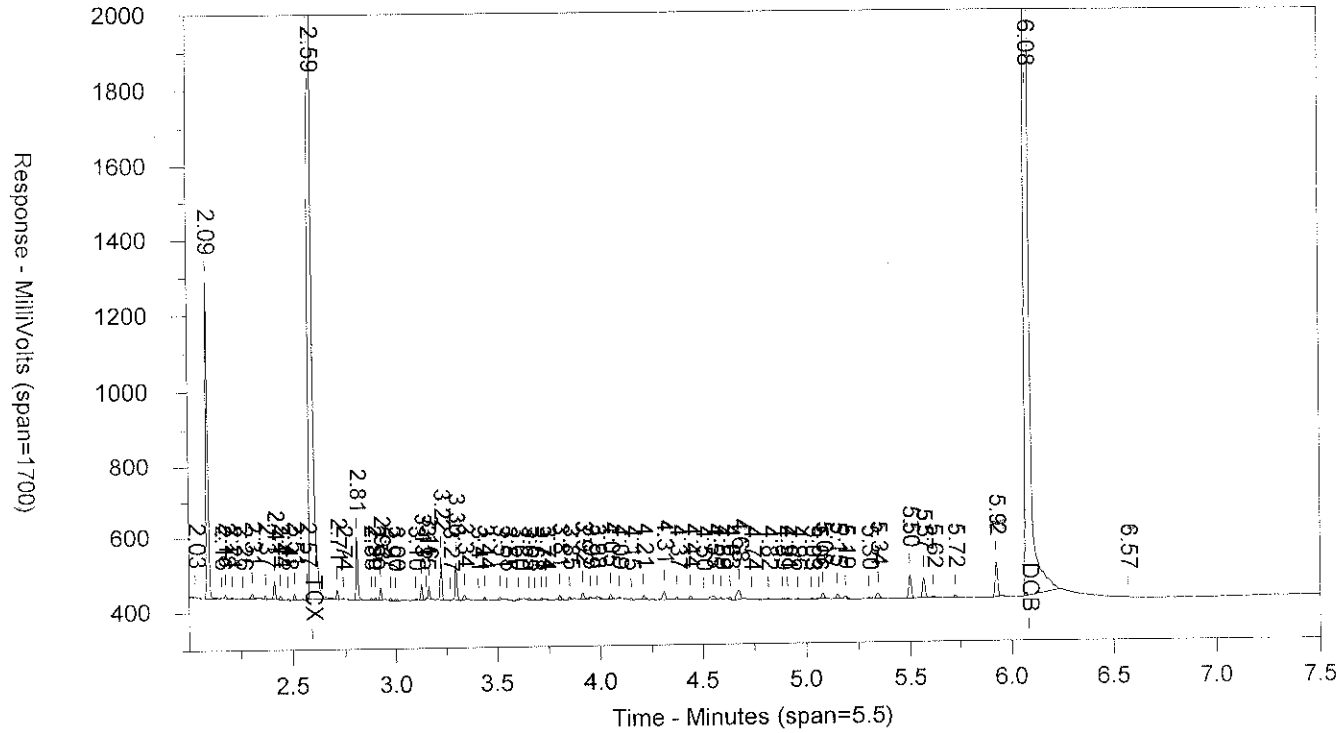


BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0066.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0066.RAW



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# Data Summary

**Sample Name: LCSA** 10/9/17 ACF LCS27282 LCS Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 08:00:03 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0069.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 95% ( 61 - 152 ) Conc: 29.1342
%SSR(DCB) 91% ( 48 - 164 ) Conc: 24.68909

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 08:00:03 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0069.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 92% ( 61 - 152 ) Conc: 28.03272
%SSR(DCB) 96% ( 48 - 164 ) Conc: 26.07772

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 7986280 | 29.1342 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 4981872 | 24.68909 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 11620330 | 28.03272 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 9871870 | 26.07772 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | A | 29.1342 | | | | 3.85 | |
| Tetrachloro-m-xylene-D1 | A | 29.1342 | | | | | |
| Tetrachloro-m-xylene-D2 | B | 28.03272 | | | | | |
| Decachlorobiphenyl | B | 26.07772 | | | | 5.47 | |
| Decachlorobiphenyl-D1 | A | 24.68909 | | | | | |
| Decachlorobiphenyl-D2 | B | 26.07772 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **2.13** | |
| 3.17 | 3.19 | 3.21 | 2088001 | 434.196479 | | | 1 |
| 3.38 | 3.40 | 3.42 | 2240977 | 444.529091 | | | 2 |
| 3.50 | 3.52 | 3.54 | 2634064 | 435.006928 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3381902 | 459.623967 | | | 4 |
| 3.77 | 3.79 | 3.81 | 2909172 | 449.136925 | | | 5 |
| 3.96 | 3.98 | 4.00 | 2195924 | 444.528725 | | | 6 |
| Height summation: | | | **15450040** | | | | |
| Concentration | | CF: | **444.503686** | L: | | | |
| **Aroclor-1260** | | | | | | **5.49** | |
| 4.74 | 4.76 | 4.78 | 5393887 | 465.2781 | | | 1 |
| 4.94 | 4.95 | 4.98 | 5537710 | 472.443582 | | | 2 |
| 5.14 | 5.16 | 5.18 | 7299514 | 512.197762 | | | 3 |
| 5.37 | 5.39 | 5.41 | 3455107 | 438.170697 | | | 4 |
| 5.61 | 5.62 | 5.65 | 12187260 | 496.154999 | | | 5 |
| 5.81 | 5.83 | 5.85 | 7748930 | 464.664999 | | | 6 |
| Height summation: | | | **41622408** | | | | |
| Concentration | | CF: | **474.818357** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **4.22** | |
| 2.86 | 2.88 | 2.90 | 2771287 | 395.880066 | | | 1 |
| 3.19 | 3.21 | 3.23 | 3521792 | 401.034666 | | | 2 |
| 3.38 | 3.40 | 3.42 | 3825672 | 423.310694 | | | 3 |
| 3.45 | 3.47 | 3.49 | 4242334 | 442.557843 | | | 4 |
| 3.51 | 3.53 | 3.55 | 2986184 | 413.291765 | | | 5 |
| 3.61 | 3.63 | 3.65 | 3515388 | 429.24866 | | | 6 |
| Height summation: | | | **20862657** | | | | |
| Concentration | | CF: | **417.553949** | L: | | | |
| **Aroclor-1260** | | | | | | **5.03** | |
| 4.42 | 4.44 | 4.46 | 9763238 | 473.317916 | | | 1 |
| 4.52 | 4.54 | 4.56 | 7135077 | 460.888521 | | | 2 |
| 4.65 | 4.67 | 4.69 | 9757847 | 498.869772 | | | 3 |
| 4.87 | 4.89 | 4.91 | 5972306 | 445.189408 | | | 4 |
| 5.06 | 5.08 | 5.10 | 15676560 | 497.825088 | | | 5 |
| 5.32 | 5.34 | 5.36 | 10398870 | 505.004075 | | | 6 |
| Height summation: | | | **58703898** | | | | |
| Concentration | | CF: | **480.182463** | L: | | | |

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:06

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# Data Summary

**Sample Name: LCSA** 10/9/17 ACF LCS27282 LCS Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 08:00:03 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0069.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 08:00:03 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0069.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 | A | 444.503686 | 51 | 9.9 | | 6.25 | 4 | |
| PCB-1221 | | | <51 | <15.3 | | | 3 | |
| PCB-1232 | | | <51 | <12.3 | | | 4 | |
| PCB-1242 | | | <51 | <12.3 | | | 4 | |
| PCB-1248 | | | <51 | <9.9 | | | 4 | |
| PCB-1254 | | | <51 | <13.2 | | | 4 | |
| PCB-1260 | B | 480.182463 | 51 | 11.7 | | 1.12 | 4 | |
| PCB-1262 | | | <51 | <9.9 | | | 4 | |
| PCB-1268 | | | <51 | <9.9 | | | 4 | |
| Total PCBs | A | 924.686149 | 51 | 9.9 | | | | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:06

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA 10**/9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 2.13 | |
| 3.17 | 3.19 | 3.21 | 2088001 | 434.196479 | | | 1 |
| 3.38 | 3.40 | 3.42 | 2240977 | 444.529091 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 1070012 | 212.251827 | | | 2 |
| 3.50 | 3.52 | 3.54 | 2634064 | 435.006928 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3381902 | 459.623967 | | | 4 |
| 3.77 | 3.79 | 3.81 | 2909172 | 449.136925 | | | 5 |
| 3.96 | 3.98 | 4.00 | 2195924 | 444.528725 | | | 6 |
| Height Summation: | | | **15450040** | | | | |
| Amount Avg CF: | | | **444.503686** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 37.31 | |
| 3.07 | 3.08 | 3.11 | 355165.7 | 143.31681 | | | 1 |
| E 3.12 | 3.14 | 3.16 | 476308.7 | 219.24262 | | | 2 |
| E 3.17 | 3.19 | 3.21 | 2088001 | 310.474537 | | | 3 |
| Height Summation: | | | **2919475.4** | | | | |
| Amount Avg CF: | | | **224.344656** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 30.40 | |
| E 3.17 | 3.19 | 3.21 | 2088001 | 373.60829 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 2240977 | 987.136496 | | | 2 |
| E+ 3.38 | 3.42 | 3.42 | 1070012 | 471.333662 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 2634064 | 955.418486 | | | 3 |
| E 3.71 | 3.73 | 3.75 | 3381902 | 1013.133728 | | | 4 |
| E 3.77 | 3.79 | 3.81 | 2909172 | 1065.926623 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 2195924 | 1173.086932 | | | 6 |
| Height Summation: | | | **15450040** | | | | |
| Amount Avg CF: | | | **928.051759** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 2.70 | |
| E 3.17 | 3.19 | 3.21 | 2088001 | 311.95436 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 2240977 | 330.990137 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 1070012 | 158.039738 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 2634064 | 326.605555 | | | 3 |
| E 3.71 | 3.73 | 3.75 | 3381902 | 334.853883 | | | 4 |
| E 3.77 | 3.79 | 3.81 | 2909172 | 335.746007 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 2195924 | 332.794922 | | | 6 |
| Height Summation: | | | **15450040** | | | | |
| Amount Avg CF: | | | **328.824144** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 72.68 | |
| E 3.71 | 3.73 | 3.75 | 3381902 | 1031.178463 | | | 1 |
| 3.77 | 3.79 | 3.81 | 2909172 | 810.710545 | | | 2 |
| 3.84 | 3.86 | 3.88 | 1964104 | 319.718541 | | | 3 |
| 3.96 | 3.98 | 4.00 | 2195924 | 318.641501 | | | 4 |
| 4.05 | 4.07 | 4.09 | 2412378 | 386.705434 | | | 5 |
| 4.23 | 4.25 | 4.27 | 530954.9 | 76.580962 | | | 6 |
| Height Summation: | | | **13394434.9** | | | | |
| Amount Avg CF: | | | **490.589241** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 4.22 | |
| 2.86 | 2.88 | 2.90 | 2771287 | 395.880066 | | | 1 |
| 3.19 | 3.21 | 3.23 | 3521792 | 401.034666 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 112899.9 | 12.492376 | | | 3 |
| 3.38 | 3.40 | 3.42 | 3825672 | 423.310694 | | | 3 |
| 3.45 | 3.47 | 3.49 | 4242334 | 442.557843 | | | 4 |
| 3.51 | 3.53 | 3.55 | 2986184 | 413.291765 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 914739.1 | 126.601086 | | | 5 |
| 3.61 | 3.63 | 3.65 | 3515388 | 429.24866 | | | 6 |
| + 3.61 | 3.65 | 3.65 | 1279024 | 156.176029 | | | 6 |
| Height Summation: | | | **20862657** | | | | |
| Amount Avg CF: | | | **417.553949** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 35.34 | |
| 2.74 | 2.76 | 2.78 | 546505.4 | 130.341493 | | | 1 |
| + 2.80 | 2.81 | 2.84 | 84983.44 | 32.573366 | | | 2 |
| E 2.80 | 2.82 | 2.84 | 544879.5 | 208.84727 | | | 2 |
| E 2.86 | 2.88 | 2.90 | 2771287 | 274.834294 | | | 3 |
| Height Summation: | | | **3862671.9** | | | | |
| Amount Avg CF: | | | **204.674352** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 31.55 | |
| E 2.86 | 2.88 | 2.90 | 2771287 | 342.246043 | | | 1 |
| E 3.19 | 3.21 | 3.23 | 3521792 | 876.016605 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 112899.9 | 27.866126 | | | 3 |
| E 3.38 | 3.40 | 3.42 | 3825672 | 944.258204 | | | 3 |
| E 3.45 | 3.47 | 3.49 | 4242334 | 1035.78734 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 2986184 | 1077.55608 | | | 5 |
| E+ 3.51 | 3.55 | 3.55 | 914739.1 | 330.081026 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 3515388 | 1084.490713 | | | 6 |
| Height Summation: | | | **20862657** | | | | |
| Amount Avg CF: | | | **893.392497** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 5.84 | |
| E 2.86 | 2.88 | 2.90 | 2771287 | 278.923573 | | | 1 |
| E 3.19 | 3.21 | 3.23 | 3521792 | 290.052315 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 112899.9 | 9.306113 | | | 3 |
| E 3.38 | 3.40 | 3.42 | 3825672 | 315.342488 | | | 3 |
| E 3.45 | 3.47 | 3.49 | 4242334 | 319.362199 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 2986184 | 317.729512 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 914739.1 | 97.328098 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 3515388 | 320.967599 | | | 6 |
| Height Summation: | | | **20862657** | | | | |
| Amount Avg CF: | | | **307.062948** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA 10**/9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 84.56 | |
| 4.21 | 4.23 | 4.25 | 2457739 | 316.423848 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 530954.9 | 68.358273 | | | 1 |
| 4.32 | 4.34 | 4.36 | 426718.1 | 164.589816 | | | 2 |
| + 4.55 | 4.57 | 4.59 | 397591.2 | 46.29108 | | | 3 |
| 4.55 | 4.59 | 4.59 | 608914.8 | 70.895241 | | | 3 |
| 4.61 | 4.63 | 4.65 | 1765899 | 103.133923 | | | 4 |
| 5.02 | 5.05 | 5.06 | 2583089 | 431.848242 | | | 5 |
| 5.14 | 5.16 | 5.18 | 7299514 | 760.498243 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 347266.8 | 36.179914 | | | 6 |
| Height Summation: | | | **15141873.9** | | | | |
| Amount Avg CF: | | | **307.898219** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 5.49 | |
| 4.74 | 4.78 | 4.78 | 5393887 | 465.2781 | | | 1 |
| 4.94 | 4.95 | 4.98 | 5537710 | 472.443582 | | | 2 |
| 5.14 | 5.16 | 5.18 | 7299514 | 512.197762 | | | 3 |
| 5.37 | 5.39 | 5.41 | 3455107 | 438.170697 | | | 4 |
| 5.61 | 5.62 | 5.65 | 12187260 | 496.154999 | | | 5 |
| 5.81 | 5.83 | 5.85 | 7748930 | 464.664999 | | | 6 |
| Height Summation: | | | **41622408** | | | | |
| Amount Avg CF: | | | **474.818357** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.94 | |
| E 5.21 | 5.23 | 5.25 | 4065817 | 270.847105 | | | 1 |
| E 5.37 | 5.39 | 5.41 | 3455107 | 322.424736 | | | 2 |
| E 5.61 | 5.62 | 5.65 | 12187260 | 427.347758 | | | 3 |
| E 5.81 | 5.83 | 5.85 | 7748930 | 350.067943 | | | 4 |
| 5.87 | 5.88 | 5.91 | 1671096 | 149.849585 | | | 5 |
| E 6.24 | 6.25 | 6.28 | 2828890 | 254.073997 | | | 6 |
| Height Summation: | | | **31957100** | | | | |
| Amount Avg CF: | | | **295.768521** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 94.53 | |
| 5.81 | 5.83 | 5.85 | 7748930 | 180.78303 | | | 1 |
| 5.87 | 5.88 | 5.91 | 1671096 | 44.241025 | | | 2 |
| 6.00 | 6.02 | 6.04 | 192762.5 | 5.76805 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 145756.1 | 17.468258 | | | 4 |
| 6.06 | 6.10 | 6.10 | 1163725 | 139.467566 | | | 4 |
| E 6.23 | 6.25 | 6.27 | 2828890 | 232.269692 | | | 5 |
| 6.43 | 6.45 | 6.47 | 630534.1 | 7.259216 | | | 6 |
| Height Summation: | | | **14235937.6** | | | | |
| Amount Avg CF: | | | **101.63143** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 61.51 | |
| + 3.38 | 3.38 | 3.42 | 112899.9 | 30.686901 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 3825672 | 1039.84166 | | | 1 |
| 3.45 | 3.47 | 3.49 | 4242334 | 778.431241 | | | 2 |
| 3.49 | 3.51 | 3.53 | 2855464 | 307.521381 | | | 3 |
| 3.61 | 3.63 | 3.65 | 3515388 | 318.619487 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 809258.9 | 101.338186 | | | 5 |
| 3.70 | 3.72 | 3.74 | 2964714 | 371.251694 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4200856 | 278.411127 | | | 6 |
| Height Summation: | | | **21604428** | | | | |
| Amount Avg CF: | | | **515.679432** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 96.06 | |
| + 4.19 | 4.19 | 4.23 | 873897.8 | 38.404535 | | | 1 |
| + 4.19 | 4.21 | 4.23 | 860022.8 | 37.79478 | | | 1 |
| 4.19 | 4.22 | 4.23 | 2272132 | 99.85169 | | | 1 |
| 4.28 | 4.30 | 4.32 | 7824859 | 711.303732 | | | 2 |
| 4.35 | 4.37 | 4.39 | 728800.9 | 57.427202 | | | 3 |
| E 4.42 | 4.44 | 4.46 | 9763238 | 1083.418241 | | | 4 |
| 4.57 | 4.59 | 4.61 | 914202.9 | 93.052653 | | | 5 |
| 4.65 | 4.67 | 4.69 | 9757847 | 597.298326 | | | 6 |
| Height Summation: | | | **31261079.8** | | | | |
| Amount Avg CF: | | | **440.391974** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 5.03 | |
| 4.42 | 4.44 | 4.46 | 9763238 | 473.317916 | | | 1 |
| 4.52 | 4.54 | 4.56 | 7135077 | 460.888521 | | | 2 |
| 4.65 | 4.67 | 4.69 | 9757847 | 498.869772 | | | 3 |
| 4.87 | 4.89 | 4.91 | 5972306 | 445.189408 | | | 4 |
| 5.06 | 5.08 | 5.10 | 15676560 | 497.825088 | | | 5 |
| 5.32 | 5.34 | 5.36 | 10398870 | 505.004075 | | | 6 |
| Height Summation: | | | **58703898** | | | | |
| Amount Avg CF: | | | **480.182463** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 29.37 | |
| E 4.68 | 4.70 | 4.72 | 4560144 | 214.752994 | | | 1 |
| E 4.87 | 4.89 | 4.91 | 5972306 | 286.92929 | | | 2 |
| E 5.06 | 5.08 | 5.10 | 15676560 | 377.112883 | | | 3 |
| 5.28 | 5.30 | 5.32 | 3075569 | 181.708055 | | | 4 |
| E 5.33 | 5.34 | 5.36 | 10398870 | 379.134014 | | | 5 |
| E 5.71 | 5.72 | 5.74 | 4012774 | 249.012319 | | | 6 |
| Height Summation: | | | **43696223** | | | | |
| Amount Avg CF: | | | **281.441593** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 119.05 | |
| 5.28 | 5.30 | 5.32 | 3075569 | 63.592513 | | | 1 |
| E 5.33 | 5.34 | 5.36 | 10398870 | 228.168545 | | | 2 |
| 5.48 | 5.50 | 5.52 | 220070.9 | 5.117688 | | | 3 |
| 5.55 | 5.56 | 5.59 | 136967.7 | 12.269667 | | | 4 |
| E 5.70 | 5.72 | 5.74 | 4012774 | 222.794074 | | | 5 |
| 5.90 | 5.92 | 5.94 | 1132028 | 8.016023 | | | 6 |
| Height Summation: | | | **18976279.6** | | | | |
| Amount Avg CF: | | | **89.993085** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA 10** /9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | 6.25 | 4 | 40 | |
| Aroclor-1221 | | | | | | 9.17 | 3 | 40 | |
| Aroclor-1232 | | | | | | 3.81 | 4 | 40 | |
| Aroclor-1242 | | | | | | 6.84 | 4 | 40 | |
| Aroclor-1248 | | | | | | 4.99 | 4 | 40 | |
| Aroclor-1254 | | | | | | 35.41 | 4 | 40 | |
| Aroclor-1260 | | | | | | 1.12 | 4 | 40 | |
| Aroclor-1262 | | | | | | 4.96 | 4 | 40 | |
| Aroclor-1268 | | | | | | 12.15 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0069.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.534 | | 23888 | 47202 |
| 1.599 | | 98695 | 213818 |
| 1.642 | | 46754 | 60580 |
| 1.663 | | 42988 | 40026 |
| 1.686 | | 126571 | 209618 |
| 1.745 | | 55582 | 92607 |
| 1.765 | | 52526 | 62160 |
| 1.793 | | 46898 | 73072 |
| 1.847 | | 46705 | 91875 |
| 1.888 | | 41749 | 45944 |
| 1.914 | | 49746 | 92480 |
| 1.943 | | 45164 | 63503 |
| 1.971 | | 42744 | 65711 |
| 2.004 | | 95224 | 107231 |
| 2.05 | | 42086 | 76849 |
| 2.089 | | 37090 | 59790 |
| 2.118 | | 29566 | 27766 |
| 2.142 | | 682023 | 542835 |
| 2.193 | | 20878 | 18018 |
| 2.209 | | 31455 | 27611 |
| 2.236 | | 15282 | 13616 |
| 2.332 | | 93906 | 63977 |
| 2.375 | | 3989 | 2651 |
| 2.401 | | 1061268 | 676618 |
| 2.451 | | 2393 | 1470 |
| 2.514 | | 24576 | 64155 |
| 2.547 | | 12895 | 15124 |
| 2.574 | | 22733 | 16048 |
| 2.659 | | 3308 | 1848 |
| 2.709 | | 6562 | 3883 |
| 2.746 | | 52853 | 58304 |
| 2.784 | | 14362 | 11008 |
| 2.821 | | 3656 | 2247 |
| 2.898 | | 7898 | 5998 |
| 2.936 | TCX | 7986280 | 5429361 |
| 2.996 | | 7235 | 4199 |
| 3.047 | | 5025 | 5212 |
| 3.084 | | 355166 | 313360 |
| 3.141 | | 476309 | 392053 |
| 3.188 | | 2088001 | 1486739 |
| 3.264 | | 13389 | 8965 |
| 3.281 | | 268785 | 179326 |
| 3.322 | | 5541 | 2858 |
| 3.401 | | 2240977 | 1305422 |
| 3.418 | | 1070012 | 577482 |
| 3.455 | | 282505 | 161727 |
| 3.472 | | 29689 | 14510 |
| 3.482 | | 153507 | 77004 |
| 3.515 | | 2634064 | 1921539 |
| 3.552 | | 16081 | 8206 |
| 3.565 | | 10649 | 5668 |
| 3.592 | | 173046 | 129280 |
| 3.624 | | 612429 | 357988 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.638 | | 332356 | 167978 |
| 3.659 | | 59674 | 26793 |
| 3.681 | | 1681390 | 829870 |
| 3.692 | | 3220824 | 1506503 |
| 3.729 | | 3381903 | 2481066 |
| 3.788 | | 2909172 | 2166337 |
| 3.829 | | 238806 | 163490 |
| 3.856 | | 1964104 | 1434767 |
| 3.883 | | 1385278 | 1149707 |
| 3.904 | | 354339 | 181876 |
| 3.955 | | 2806 | 1031 |
| 3.979 | | 2195924 | 1566449 |
| 4.003 | | 833277 | 544042 |
| 4.034 | | 904883 | 634710 |
| 4.067 | | 2412378 | 2286502 |
| 4.107 | | 748587 | 597598 |
| 4.153 | | 123597 | 100688 |
| 4.193 | | 164342 | 124875 |
| 4.227 | | 2457739 | 1735842 |
| 4.245 | | 530955 | 296360 |
| 4.27 | | 726402 | 550989 |
| 4.339 | | 426718 | 364469 |
| 4.382 | | 2657464 | 2554580 |
| 4.415 | | 89466 | 65645 |
| 4.478 | | 26836 | 19468 |
| 4.519 | | 227535 | 204721 |
| 4.57 | | 397591 | 256912 |
| 4.587 | | 608915 | 408191 |
| 4.631 | | 1765899 | 1601787 |
| 4.679 | | 2600941 | 2814103 |
| 4.717 | | 575477 | 417159 |
| 4.756 | | 5393887 | 4857111 |
| 4.801 | | 26476 | 20685 |
| 4.842 | | 866505 | 883625 |
| 4.874 | | 49422 | 31619 |
| 4.902 | | 896586 | 826120 |
| 4.954 | | 5537710 | 6627622 |
| 5.005 | | 986984 | 897305 |
| 5.045 | | 2583089 | 2755902 |
| 5.087 | | 23460 | 11862 |
| 5.126 | | 533803 | 637115 |
| 5.159 | | 7299514 | 6423375 |
| 5.181 | | 347267 | 166761 |
| 5.2 | | 102936 | 43201 |
| 5.226 | | 4065817 | 3574095 |
| 5.268 | | 2449228 | 2281425 |
| 5.363 | | 884208 | 737557 |
| 5.387 | | 3455107 | 3148661 |
| 5.444 | | 1924840 | 1789047 |
| 5.484 | | 1166288 | 1211705 |
| 5.526 | | 244257 | 251292 |
| 5.567 | | 1653191 | 1825202 |
| 5.624 | | 12187260 | 12631620 |
| 5.829 | | 7748931 | 7134018 |
| 5.86 | | 497833 | 345241 |
| 5.884 | | 1671096 | 1786125 |
| 5.995 | | 1663 | 393 |
| 6.019 | | 192763 | 178200 |
| 6.074 | | 145756 | 123553 |
| 6.099 | | 1163725 | 1087675 |
| 6.254 | | 2828890 | 2607946 |
| 6.298 | | 178224 | 161913 |
| 6.454 | | 630534 | 647596 |
| 6.518 | | 2131 | 937 |
| 6.563 | | 2105 | 1033 |
| 6.6 | DCB | 4981872 | 5101194 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.732 | | 1845 | 1153 |
| 6.855 | | 1543 | 671 |
| 7.022 | | 1543 | 406 |
| 7.068 | | 1402 | 410 |
| 7.149 | | 1551 | 370 |
| 7.321 | | 2043 | 616 |
| 7.514 | | 1871 | 430 |
| 7.578 | | 1700 | 448 |
| 7.763 | | 1076 | 606 |
| 7.847 | | 1273 | 292 |
| 7.904 | | 1294 | 816 |
| 7.971 | | 1886 | 725 |
| 8.044 | | 1650 | 1579 |
| 8.077 | | 1270 | 468 |
| 8.248 | | 1584 | 823 |
| 8.345 | | 1541 | 649 |
| 8.566 | | 1516 | 545 |
| 8.637 | | 1927 | 415 |

LANCASTER LABORATORIES

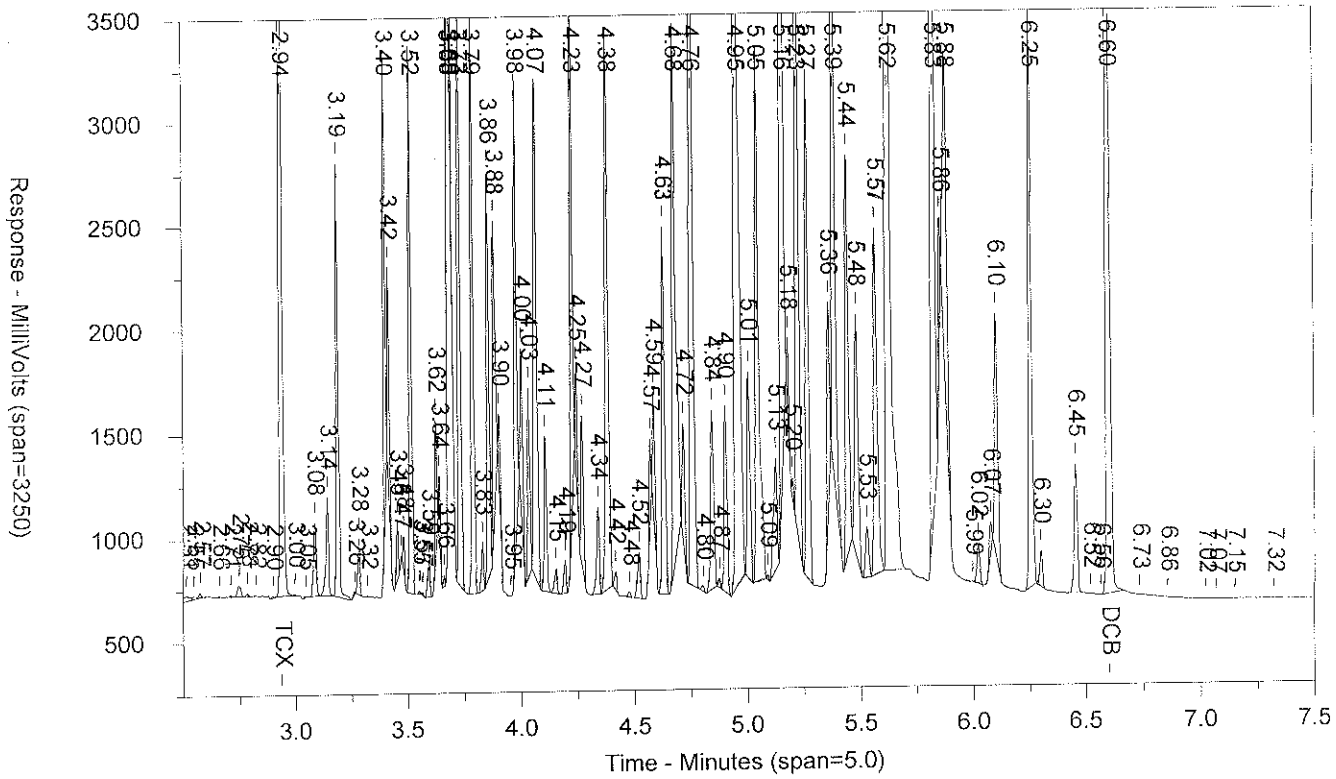
Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0069.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.504 | | 3323 | 1941 |
| 1.531 | | 11175 | 11398 |
| 1.561 | | 6059 | 4506 |
| 1.587 | | 7576 | 5399 |
| 1.601 | | 13512 | 10816 |
| 1.634 | | 7712 | 8959 |
| 1.675 | | 6613 | 8448 |
| 1.735 | | 76673 | 70051 |
| 1.802 | | 37881 | 32997 |
| 1.826 | | 17417 | 13164 |
| 1.85 | | 931727 | 678166 |
| 1.9 | | 148506 | 145501 |
| 1.967 | | 45597 | 52577 |
| 2.012 | | 11566 | 9470 |
| 2.029 | | 8801 | 8829 |
| 2.092 | | 1542842 | 931327 |
| 2.162 | | 5783 | 5331 |
| 2.176 | | 9038 | 5371 |
| 2.212 | | 3293 | 6373 |
| 2.276 | | 34618 | 26056 |
| 2.319 | | 2168 | 1788 |
| 2.368 | | 14059 | 9780 |
| 2.412 | | 75505 | 47315 |
| 2.438 | | 50264 | 30804 |
| 2.461 | | 5332 | 4404 |
| 2.491 | | 2802 | 2242 |
| 2.508 | | 37553 | 24909 |
| 2.548 | | 8036 | 4114 |
| 2.567 | | 24187 | 12527 |
| 2.592 | TCX | 11620330 | 7138908 |
| 2.635 | | 208299 | 145193 |
| 2.713 | | 32717 | 18629 |
| 2.742 | | 5230 | 3408 |
| 2.763 | | 546505 | 404566 |
| 2.809 | | 84983 | 38640 |
| 2.824 | | 544880 | 323922 |
| 2.876 | | 2771287 | 1841191 |
| 2.925 | | 32257 | 17697 |
| 2.949 | | 4956 | 3518 |
| 2.987 | | 387647 | 263373 |
| 3.061 | | 4907 | 2077 |
| 3.084 | | 3570457 | 3632931 |
| 3.135 | | 439482 | 303062 |
| 3.157 | | 195180 | 120625 |
| 3.182 | | 309085 | 173113 |
| 3.205 | | 3521792 | 2485553 |
| 3.242 | | 122747 | 70300 |
| 3.289 | | 877014 | 449942 |
| 3.303 | | 488192 | 228633 |
| 3.354 | | 1448529 | 787633 |
| 3.363 | | 3926706 | 1805533 |
| 3.383 | | 112900 | 37503 |
| 3.396 | | 3825672 | 2603136 |
| 3.47 | | 4242334 | 2607660 |

| | | | |
|---|---|---|---|
| 3.505 | | 2855464 | 1780912 |
| 3.528 | | 2986185 | 1628669 |
| 3.546 | | 914739 | 460897 |
| 3.599 | | 9067 | 7686 |
| 3.631 | | 3515388 | 2274175 |
| 3.653 | | 1279024 | 679860 |
| 3.674 | | 1209645 | 715603 |
| 3.702 | | 809259 | 410924 |
| 3.719 | | 2964714 | 1805219 |
| 3.761 | | 1017537 | 741542 |
| 3.808 | | 147773 | 125917 |
| 3.83 | | 708750 | 421102 |
| 3.852 | | 4200857 | 2618514 |
| 3.876 | | 779973 | 467098 |
| 3.895 | | 119543 | 56982 |
| 3.915 | | 492659 | 314722 |
| 3.951 | | 3359697 | 2317850 |
| 3.984 | | 140204 | 78255 |
| 3.999 | | 247355 | 156812 |
| 4.059 | | 30693 | 28958 |
| 4.093 | | 224135 | 194334 |
| 4.15 | | 943736 | 678602 |
| 4.192 | | 873898 | 532047 |
| 4.21 | | 860023 | 415204 |
| 4.223 | | 2272132 | 1269674 |
| 4.25 | | 1335569 | 1346796 |
| 4.301 | | 7824859 | 5795074 |
| 4.349 | | 90053 | 66828 |
| 4.37 | | 728801 | 482210 |
| 4.395 | | 1697453 | 1251476 |
| 4.437 | | 9763238 | 7407336 |
| 4.539 | | 7135077 | 7247456 |
| 4.591 | | 914203 | 759515 |
| 4.629 | | 2092663 | 1772427 |
| 4.666 | | 9757847 | 8058678 |
| 4.698 | | 4560144 | 3242101 |
| 4.736 | | 3283013 | 2629410 |
| 4.795 | | 4943 | 6995 |
| 4.835 | | 967258 | 701391 |
| 4.852 | | 144713 | 71033 |
| 4.886 | | 5972306 | 4685927 |
| 4.909 | | 751454 | 452078 |
| 4.959 | | 3180612 | 2782321 |
| 4.994 | | 1644276 | 1287859 |
| 5.025 | | 1280137 | 1017927 |
| 5.057 | | 593667 | 359633 |
| 5.08 | | 15676560 | 12947570 |
| 5.121 | | 305788 | 221382 |
| 5.152 | | 490384 | 402013 |
| 5.272 | | 164974 | 104634 |
| 5.296 | | 3075569 | 2553371 |
| 5.341 | | 10398870 | 11474530 |
| 5.496 | | 220071 | 195011 |
| 5.542 | | 284867 | 215903 |
| 5.565 | | 136968 | 90574 |
| 5.614 | | 1687286 | 1538635 |
| 5.723 | | 4012774 | 3441794 |
| 5.754 | | 220905 | 164263 |
| 5.923 | | 1132028 | 1018095 |
| 6.083 | DCB | 9871870 | 9044059 |
| 6.255 | | 5680 | 6469 |
| 6.807 | | 2103 | 2243 |
| 7.379 | | 1578 | 1484 |
| 8.076 | | 2065 | 2647 |
| 8.163 | | 9469 | 15944 |
| 8.441 | | 1857 | 10963 |

LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0069.RAW

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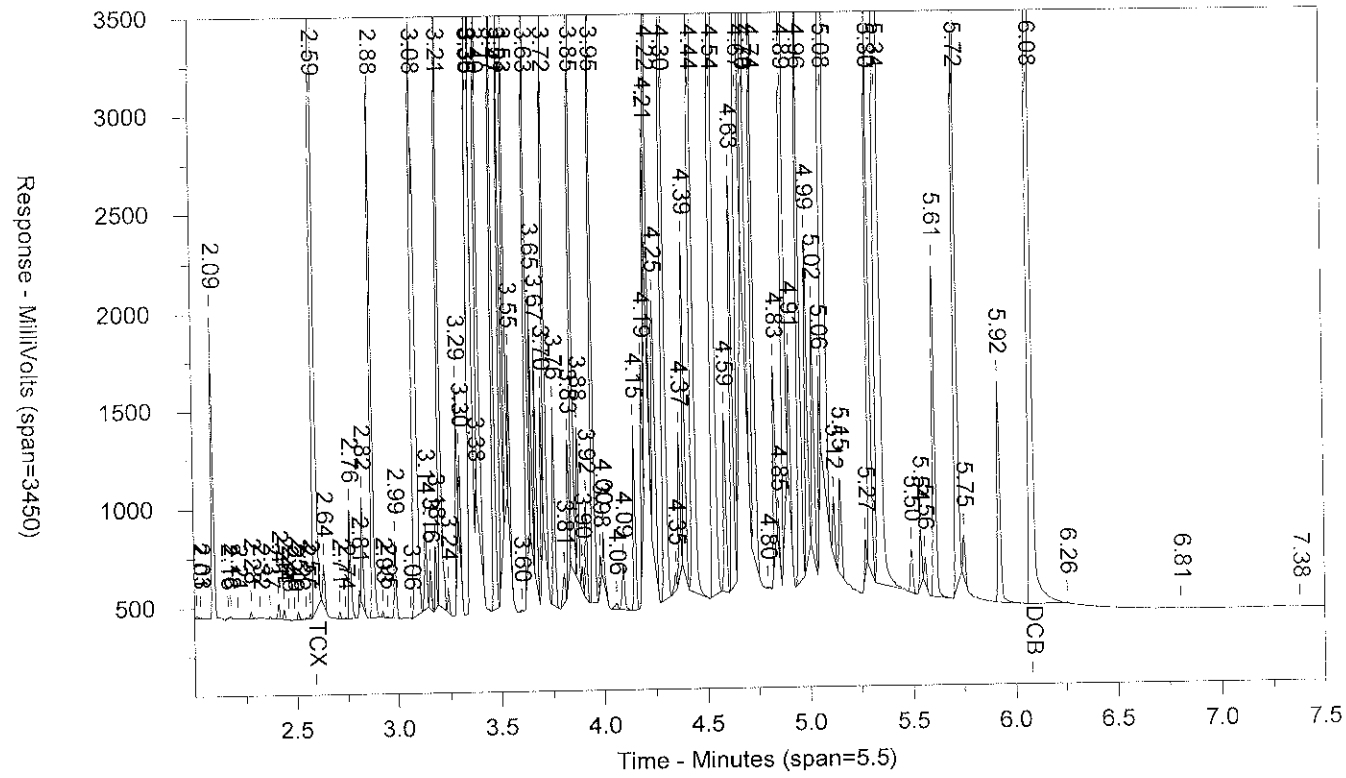


LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 8
Calibration Type: external
Quantitation: Height

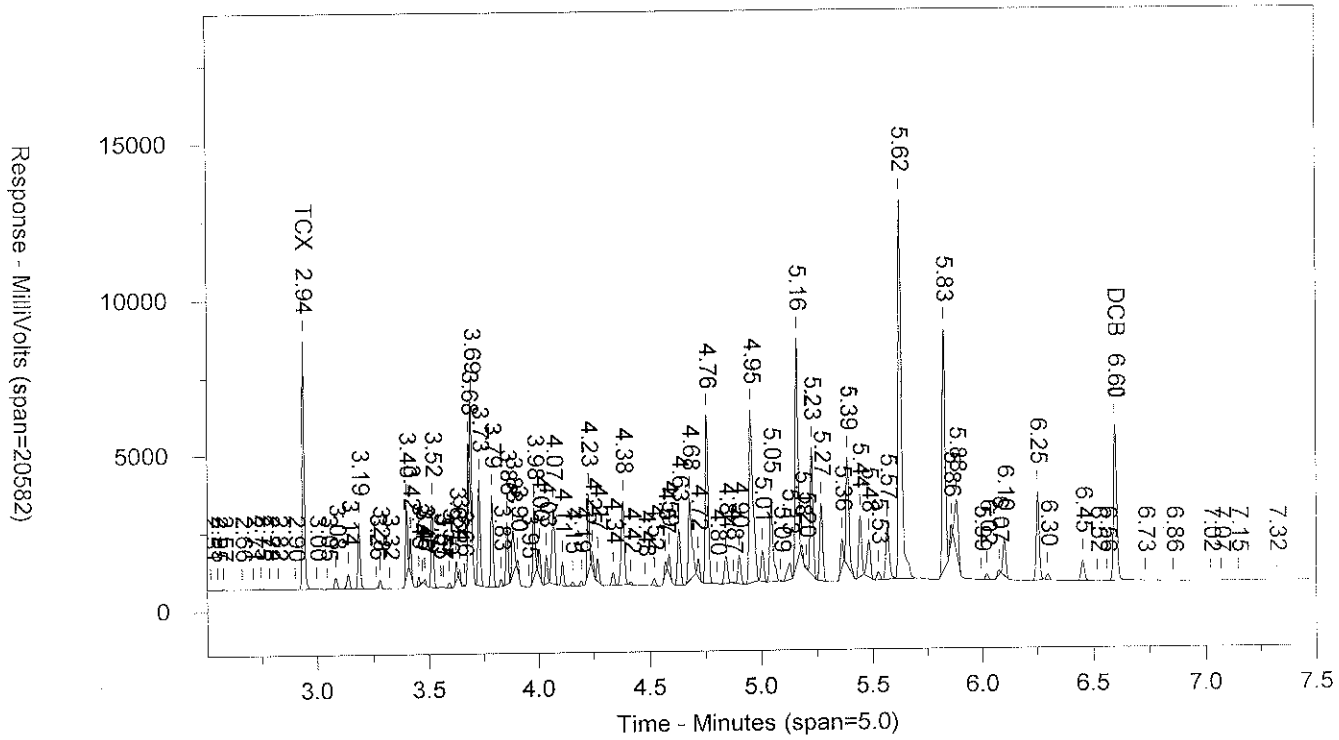
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 7986280 | 29.134 | TCX | 2.592 | 11620330 | 28.033 | TCX |
| 6.6 | 4981872 | 24.689 | DCB | 6.083 | 9871870 | 26.078 | DCB |

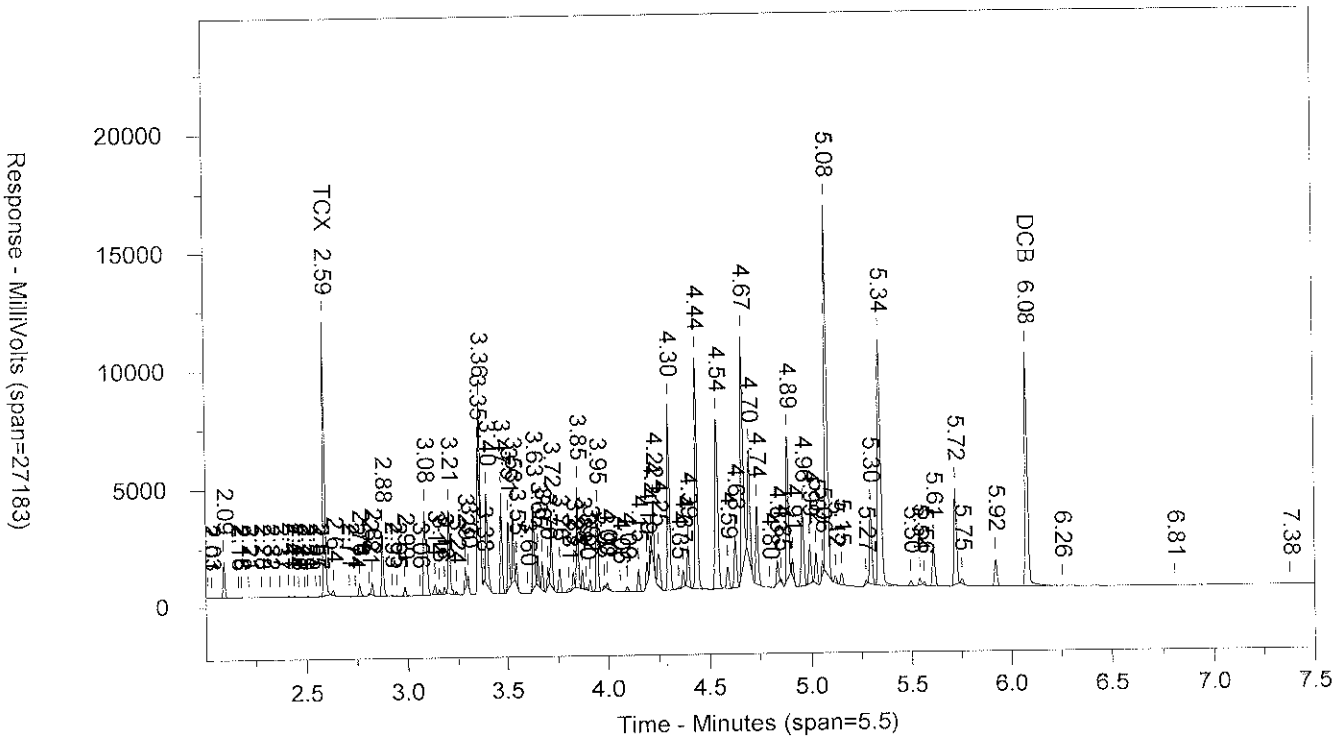
Files:
Area File: 07PCBS17284001.0069.RAW
Area File: 07PCBS17284001B.0069.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:37:06 AM

LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0069.RAW

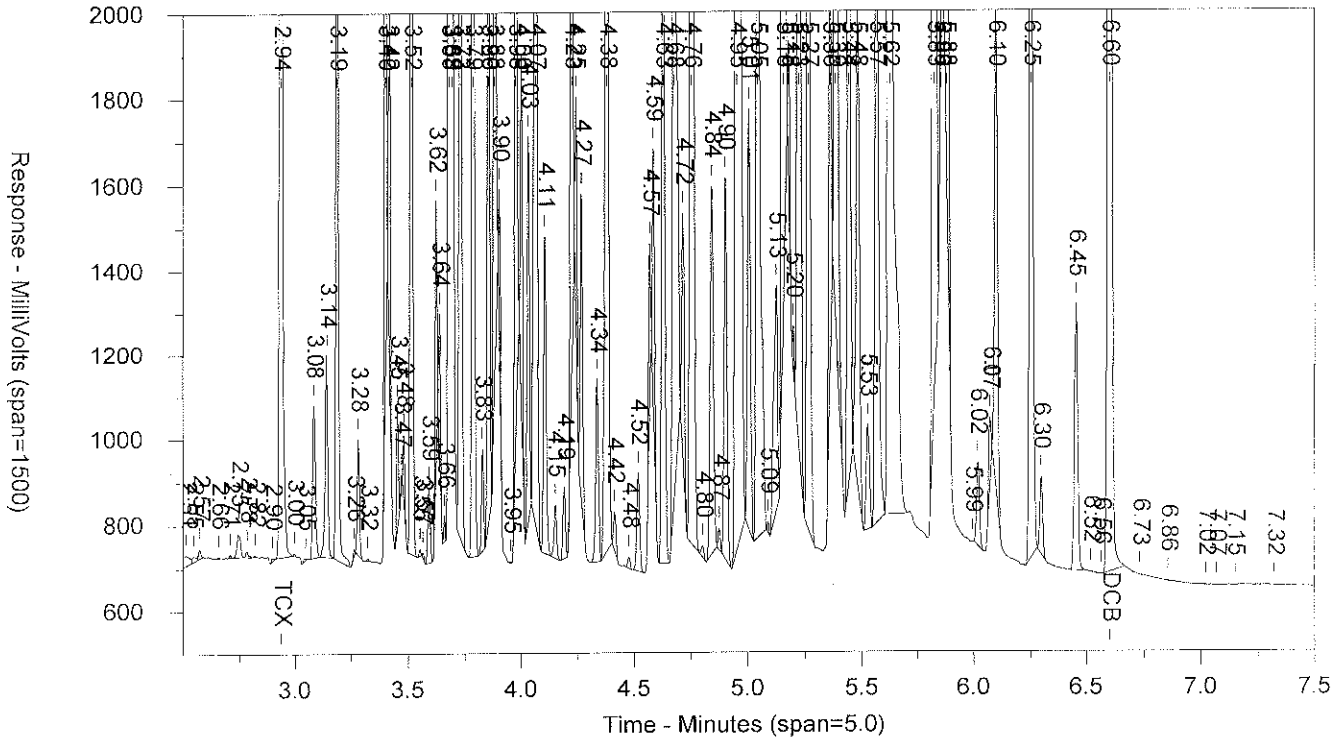



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0069.RAW

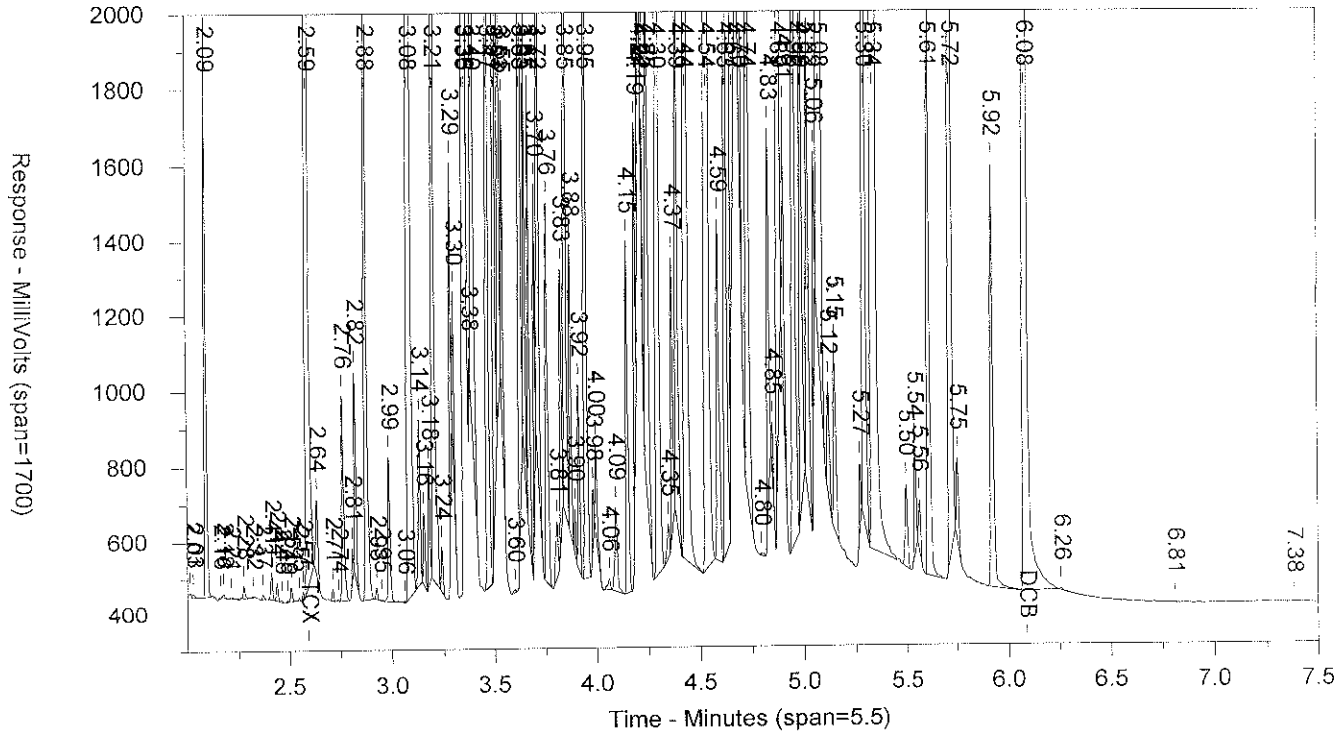


LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0069.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0069.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK28282 BLK Sample ID: AB **Batchnumber: 172820028A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:

**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 03:48:57 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0047.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 101% ( 61 - 152 ) Conc: 30.80192
%SSR(DCB) 81% ( 48 - 164 ) Conc: 22.10221

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 03:48:57 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0047.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 94% ( 61 - 152 ) Conc: 28.67193
%SSR(DCB) 82% ( 48 - 164 ) Conc: 22.31351

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 8443437 | 30.80192 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 11885300 | 28.67193 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 4459880 | 22.10221 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 8446909 | 22.31351 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | A | 30.80192 | | | | 7.16 | |
| Tetrachloro-m-xylene-D1 | A | 30.80192 | | | | | |
| Tetrachloro-m-xylene-D2 | B | 28.67193 | | | | | |
| Decachlorobiphenyl | B | 22.31351 | | | | 0.95 | |
| Decachlorobiphenyl-D1 | A | 22.10221 | | | | | |
| Decachlorobiphenyl-D2 | B | 22.31351 | | | | | |

## Multiple Component Summary

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

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:52

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0047.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.80192
%SSR(DCB) : 81% (48-164) Conc.: 22.10221

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 3 | 22.56 | |
| 3.17 | 3.21 | 3.21 | 3209.943 | 0.667503 | | | 1 |
| 3.38 | 3.39 | 3.42 | 2206.155 | 0.437622 | | | 2 |
| 3.96 | 3.98 | 4.00 | 3310.062 | 0.670068 | | | 6 |
| Height Summation: | | | 8726.16 | | | | |
| Amount Avg CF: | | | 0.591731 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 139.05 | |
| 3.12 | 3.13 | 3.16 | 122516.8 | 56.393898 | | | 2 |
| 3.17 | 3.21 | 3.21 | 3209.943 | 0.477301 | | | 3 |
| Height Summation: | | | 125726.743 | | | | |
| Amount Avg CF: | | | 28.4356 | Linear: | | | |
| **Aroclor-1232** | | | | | 3 | 55.03 | |
| 3.17 | 3.21 | 3.21 | 3209.943 | 0.574359 | | | 1 |
| 3.38 | 3.39 | 3.42 | 2206.155 | 0.971798 | | | 2 |
| 3.96 | 3.98 | 4.00 | 3310.062 | 1.768272 | | | 6 |
| Height Summation: | | | 8726.16 | | | | |
| Amount Avg CF: | | | 1.104809 | Linear: | | | |
| **Aroclor-1242** | | | | | 3 | 21.98 | |
| 3.17 | 3.21 | 3.21 | 3209.943 | 0.479576 | | | 1 |
| 3.38 | 3.39 | 3.42 | 2206.155 | 0.325847 | | | 2 |
| 3.96 | 3.98 | 4.00 | 3310.062 | 0.501644 | | | 6 |
| Height Summation: | | | 8726.16 | | | | |
| Amount Avg CF: | | | 0.435689 | Linear: | | | |
| **Aroclor-1248** | | | | | 4 | 72.67 | |
| 3.84 | 3.86 | 3.88 | 7992.333 | 1.300999 | | | 3 |
| 3.96 | 3.98 | 4.00 | 3310.062 | 0.480309 | | | 4 |
| 4.05 | 4.07 | 4.09 | 3460.542 | 0.554727 | | | 5 |
| 4.23 | 4.23 | 4.27 | 15845.52 | 2.285439 | | | 6 |
| + 4.23 | 4.25 | 4.27 | 6814.164 | 0.982824 | | | 6 |
| Height Summation: | | | 30608.457 | | | | |
| Amount Avg CF: | | | 1.155369 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 40.95 | |
| 4.21 | 4.23 | 4.25 | 15845.52 | 2.040046 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 6814.164 | 0.877296 | | | 1 |
| 4.32 | 4.34 | 4.36 | 4882.557 | 1.883255 | | | 2 |
| 4.55 | 4.57 | 4.59 | 11532.32 | 1.342695 | | | 3 |
| 4.61 | 4.63 | 4.65 | 42100.49 | 2.458798 | | | 4 |
| 5.02 | 5.04 | 5.06 | 24763.44 | 4.140023 | | | 5 |
| 5.14 | 5.16 | 5.18 | 32692.67 | 3.406079 | | | 6 |
| Height Summation: | | | 131816.997 | | | | |
| Amount Avg CF: | | | 2.545149 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0047.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.67193
%SSR(DCB) : 82% (48-164) Conc.: 22.31351

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 167.44 | |
| 2.86 | 2.88 | 2.90 | 3430.781 | 0.490089 | | | 1 |
| + 3.19 | 3.19 | 3.23 | 2972.916 | 0.338533 | | | 2 |
| + 3.19 | 3.20 | 3.23 | 4973.694 | 0.566366 | | | 2 |
| 3.19 | 3.22 | 3.23 | 156929.3 | 17.869905 | | | 2 |
| 3.38 | 3.38 | 3.42 | 5778.381 | 0.639378 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 4736.176 | 0.524058 | | | 3 |
| + 3.51 | 3.51 | 3.55 | 13614.37 | 1.884247 | | | 5 |
| + 3.51 | 3.53 | 3.55 | 13177.09 | 1.823726 | | | 5 |
| 3.51 | 3.55 | 3.55 | 20428.52 | 2.827334 | | | 5 |
| 3.61 | 3.63 | 3.65 | 5541.181 | 0.676609 | | | 6 |
| Height Summation: | | | 192108.163 | | | | |
| Amount Avg CF: | | | 4.500663 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 165.83 | |
| 2.74 | 2.74 | 2.78 | 6311.692 | 1.505338 | | | 1 |
| 2.80 | 2.81 | 2.84 | 164253.9 | 62.957 | | | 2 |
| + 2.80 | 2.83 | 2.84 | 4799.444 | 1.839582 | | | 2 |
| 2.86 | 2.88 | 2.90 | 3430.781 | 0.340238 | | | 3 |
| Height Summation: | | | 173996.373 | | | | |
| Amount Avg CF: | | | 21.600858 | Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 164.72 | |
| 2.86 | 2.88 | 2.90 | 3430.781 | 0.423692 | | | 1 |
| + 3.19 | 3.19 | 3.23 | 2972.916 | 0.739488 | | | 2 |
| + 3.19 | 3.20 | 3.23 | 4973.694 | 1.237165 | | | 2 |
| 3.19 | 3.22 | 3.23 | 156929.3 | 39.034864 | | | 2 |
| 3.38 | 3.38 | 3.42 | 5778.381 | 1.426229 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 4736.176 | 1.16899 | | | 3 |
| + 3.51 | 3.51 | 3.55 | 13614.37 | 4.912707 | | | 5 |
| + 3.51 | 3.53 | 3.55 | 13177.09 | 4.754916 | | | 5 |
| 3.51 | 3.55 | 3.55 | 20428.52 | 7.371574 | | | 5 |
| 3.61 | 3.63 | 3.65 | 5541.181 | 1.709444 | | | 6 |
| Height Summation: | | | 192108.163 | | | | |
| Amount Avg CF: | | | 9.993161 | Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 165.62 | |
| 2.86 | 2.88 | 2.90 | 3430.781 | 0.3453 | | | 1 |
| + 3.19 | 3.19 | 3.23 | 2972.916 | 0.244847 | | | 2 |
| + 3.19 | 3.20 | 3.23 | 4973.694 | 0.40963 | | | 2 |
| 3.19 | 3.22 | 3.23 | 156929.3 | 12.924587 | | | 2 |
| 3.38 | 3.38 | 3.42 | 5778.381 | 0.4763 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 4736.176 | 0.390394 | | | 3 |
| + 3.51 | 3.51 | 3.55 | 13614.37 | 1.448567 | | | 5 |
| + 3.51 | 3.53 | 3.55 | 13177.09 | 1.40204 | | | 5 |
| 3.51 | 3.55 | 3.55 | 20428.52 | 2.173591 | | | 5 |
| 3.61 | 3.63 | 3.65 | 5541.181 | 0.50593 | | | 6 |
| Height Summation: | | | 192108.163 | | | | |
| Amount Avg CF: | | | 3.285142 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0047.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 43.43 | |
| 4.74 | 4.76 | 4.78 | 15477.83 | 1.335122 | | | 1 |
| 4.94 | 4.96 | 4.98 | 23614.47 | 2.014642 | | | 2 |
| 5.14 | 5.16 | 5.18 | 32692.67 | 2.294004 | | | 3 |
| 5.37 | 5.39 | 5.41 | 5950.79 | 0.754669 | | | 4 |
| 5.61 | 5.63 | 5.65 | 22288.29 | 0.907378 | | | 5 |
| 5.81 | 5.83 | 5.85 | 19691.21 | 1.180784 | | | 6 |
| Height Summation: | | | **119715.26** | | | | |
| Amount Avg CF: | | | **1.414433** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 39.99 | |
| 5.21 | 5.23 | 5.25 | 18846.64 | 1.255481 | | | 1 |
| 5.37 | 5.39 | 5.41 | 5950.79 | 0.555318 | | | 2 |
| 5.61 | 5.63 | 5.65 | 22288.29 | 0.781542 | | | 3 |
| 5.81 | 5.83 | 5.85 | 19691.21 | 0.889576 | | | 4 |
| 6.24 | 6.26 | 6.28 | 5031.751 | 0.451922 | | | 6 |
| Height Summation: | | | **71808.681** | | | | |
| Amount Avg CF: | | | **0.786768** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 107.62 | |
| 5.81 | 5.83 | 5.85 | 19691.21 | 0.459397 | | | 1 |
| 6.00 | 6.02 | 6.04 | 36433.7 | 1.090209 | | | 3 |
| 6.06 | 6.08 | 6.10 | 28317.43 | 3.393725 | | | 4 |
| 6.23 | 6.26 | 6.27 | 5031.751 | 0.413138 | | | 5 |
| 6.43 | 6.45 | 6.47 | 46477.83 | 0.53509 | | | 6 |
| Height Summation: | | | **135951.921** | | | | |
| Amount Avg CF: | | | **1.178312** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0047.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 5 | 47.41 | |
| 3.38 | 3.38 | 3.42 | 5778.381 | 1.5706 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 4736.176 | 1.287322 | | | 1 |
| 3.49 | 3.51 | 3.53 | 13614.37 | 1.46621 | | | 3 |
| 3.61 | 3.63 | 3.65 | 5541.181 | 0.502229 | | | 4 |
| 3.70 | 3.72 | 3.74 | 5112.141 | 0.64016 | | | 5 |
| 3.84 | 3.85 | 3.88 | 25334.46 | 1.679038 | | | 6 |
| Height Summation: | | | **55380.533** | | | | |
| Amount Avg CF: | | | **1.171647** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 30.81 | |
| 4.19 | 4.21 | 4.23 | 42299 | 1.858883 | | | 1 |
| 4.28 | 4.31 | 4.32 | 37692.79 | 3.42639 | | | 2 |
| 4.35 | 4.37 | 4.39 | 32258.56 | 2.541872 | | | 3 |
| 4.42 | 4.44 | 4.46 | 33831.29 | 3.75423 | | | 4 |
| 4.57 | 4.59 | 4.61 | 17227.82 | 1.753543 | | | 5 |
| 4.65 | 4.67 | 4.69 | 55172.61 | 3.377231 | | | 6 |
| Height Summation: | | | **218482.07** | | | | |
| Amount Avg CF: | | | **2.785358** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 56.41 | |
| 4.42 | 4.44 | 4.46 | 33831.29 | 1.640128 | | | 1 |
| 4.52 | 4.54 | 4.56 | 21029.65 | 1.358405 | | | 2 |
| 4.65 | 4.67 | 4.69 | 55172.61 | 2.820699 | | | 3 |
| 4.87 | 4.89 | 4.91 | 9031.361 | 0.673218 | | | 4 |
| 5.06 | 5.08 | 5.10 | 26140.68 | 0.830124 | | | 5 |
| 5.32 | 5.34 | 5.36 | 20991.61 | 1.019423 | | | 6 |
| Height Summation: | | | **166197.201** | | | | |
| Amount Avg CF: | | | **1.390333** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 37.18 | |
| 4.87 | 4.89 | 4.91 | 9031.361 | 0.433896 | | | 2 |
| 5.06 | 5.08 | 5.10 | 26140.68 | 0.628836 | | | 3 |
| 5.28 | 5.30 | 5.32 | 4407.658 | 0.260409 | | | 4 |
| 5.33 | 5.34 | 5.36 | 20991.61 | 0.765336 | | | 5 |
| 5.71 | 5.73 | 5.74 | 7952.578 | 0.493496 | | | 6 |
| Height Summation: | | | **68523.887** | | | | |
| Amount Avg CF: | | | **0.516395** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 108.89 | |
| 5.28 | 5.30 | 5.32 | 4407.658 | 0.091136 | | | 1 |
| 5.33 | 5.34 | 5.36 | 20991.61 | 0.460591 | | | 2 |
| 5.48 | 5.50 | 5.52 | 43135.3 | 1.0031 | | | 3 |
| 5.55 | 5.57 | 5.59 | 30333.71 | 2.717316 | | | 4 |
| 5.70 | 5.73 | 5.74 | 7952.578 | 0.441537 | | | 5 |
| 5.90 | 5.92 | 5.94 | 73442.1 | 0.520052 | | | 6 |
| Height Summation: | | | **180262.956** | | | | |
| Amount Avg CF: | | | **0.872289** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 51 | 9.9 | | ** 153.52 | 4 | 40 | |
| Aroclor-1221 | | | 51 | 15.3 | | 27.32 | 3 | 40 | |
| Aroclor-1232 | | | 51 | 12.3 | | ** 160.18 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 10/9/17 ACF PBLK28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0047.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 03:48:57
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0047.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1242 | | | 51 | 12.3 | | ** 153.16 | 4 | 40 | |
| Aroclor-1248 | | | 51 | 9.9 | | 1.40 | 4 | 40 | |
| Aroclor-1254 | | | 51 | 13.2 | | 9.01 | 4 | 40 | |
| Aroclor-1260 | | | 51 | 11.7 | | 1.72 | 4 | 40 | |
| Aroclor-1262 | | | 51 | 9.9 | | ** 41.49 | 4 | 40 | |
| Aroclor-1268 | | | 51 | 9.9 | | 29.85 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 3:48:57 AM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.562 | | 152657 | 160219 |
| 1.599 | | 36234 | 35106 |
| 1.687 | | 70319 | 63745 |
| 1.741 | | 4663 | 4057 |
| 1.764 | | 22011 | 24627 |
| 1.802 | | 5823 | 5752 |
| 1.916 | | 9136 | 10039 |
| 1.944 | | 4835 | 3132 |
| 2.005 | | 51272 | 48063 |
| 2.052 | | 28463 | 29624 |
| 2.086 | | 22094 | 30422 |
| 2.143 | | 584268 | 441275 |
| 2.193 | | 11417 | 9721 |
| 2.211 | | 24741 | 24524 |
| 2.238 | | 16652 | 16252 |
| 2.333 | | 146365 | 99204 |
| 2.402 | | 629750 | 401938 |
| 2.445 | | 3764 | 2557 |
| 2.513 | | 7154 | 8914 |
| 2.587 | | 2411 | 1670 |
| 2.669 | | 7528 | 4879 |
| 2.694 | | 2652 | 1118 |
| 2.752 | | 54757 | 56270 |
| 2.784 | | 71854 | 47708 |
| 2.881 | | 6794 | 3619 |
| 2.937 | TCX | 8443437 | 5631558 |
| 2.997 | | 7121 | 12756 |
| 3.043 | | 7121 | 4980 |
| 3.134 | | 122517 | 98895 |
| 3.207 | | 3210 | 1717 |
| 3.264 | | 27234 | 19785 |
| 3.364 | | 6419 | 6119 |
| 3.394 | | 2206 | 1447 |
| 3.44 | | 4801 | 3457 |
| 3.475 | | 41927 | 25333 |
| 3.494 | | 20127 | 11519 |
| 3.541 | | 2636 | 1003 |
| 3.557 | | 2763 | 1447 |
| 3.595 | | 114354 | 75391 |
| 3.661 | | 102353 | 65685 |
| 3.693 | | 3590 | 1406 |
| 3.765 | | 1981 | 424 |
| 3.857 | | 7992 | 6058 |
| 3.884 | | 11291 | 7292 |
| 3.905 | | 9059 | 6534 |
| 3.977 | | 3310 | 1772 |
| 4.004 | | 3736 | 2246 |
| 4.036 | | 7270 | 5171 |
| 4.065 | | 3461 | 3091 |
| 4.093 | | 2900 | 1099 |
| 4.141 | | 2445 | 2321 |
| 4.172 | | 11083 | 8446 |
| 4.228 | | 15846 | 10852 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.247 | | 6814 | 3986 |
| 4.274 | | 19119 | 20558 |
| 4.314 | | 1752 | 360 |
| 4.339 | | 4883 | 3323 |
| 4.383 | | 18964 | 19698 |
| 4.417 | | 12547 | 9941 |
| 4.458 | | 3795 | 2403 |
| 4.521 | | 5558 | 4450 |
| 4.57 | | 11532 | 8922 |
| 4.606 | | 4301 | 4182 |
| 4.633 | | 42100 | 37345 |
| 4.682 | | 4539 | 3406 |
| 4.716 | | 2738 | 1574 |
| 4.758 | | 15478 | 14022 |
| 4.828 | | 7193 | 4317 |
| 4.845 | | 17125 | 12681 |
| 4.906 | | 9992 | 11347 |
| 4.955 | | 23614 | 28585 |
| 5.039 | | 24763 | 30695 |
| 5.09 | | 1450 | 633 |
| 5.125 | | 5089 | 5583 |
| 5.162 | | 32693 | 29959 |
| 5.232 | | 18847 | 18689 |
| 5.27 | | 4245 | 3386 |
| 5.305 | | 1981 | 759 |
| 5.367 | | 7305 | 5695 |
| 5.39 | | 5951 | 3658 |
| 5.447 | | 5564 | 10137 |
| 5.487 | | 2128 | 1692 |
| 5.506 | | 1834 | 448 |
| 5.53 | | 2104 | 1807 |
| 5.568 | | 9285 | 10722 |
| 5.601 | | 1657 | 911 |
| 5.627 | | 22288 | 18436 |
| 5.65 | | 3858 | 3084 |
| 5.706 | | 1347 | 685 |
| 5.731 | | 3451 | 3470 |
| 5.83 | | 19691 | 18492 |
| 5.861 | | 2727 | 1508 |
| 5.944 | | 1580 | 1273 |
| 5.987 | | 1561 | 369 |
| 6.021 | | 36434 | 33216 |
| 6.084 | | 28317 | 31188 |
| 6.256 | | 5032 | 4624 |
| 6.302 | | 1186 | 998 |
| 6.455 | | 46478 | 47254 |
| 6.602 | DCB | 4459880 | 4610748 |
| 6.842 | | 1394 | 575 |
| 6.976 | | 1295 | 600 |
| 6.992 | | 1388 | 371 |
| 7.198 | | 1165 | 1710 |
| 7.382 | | 1920 | 1318 |
| 7.431 | | 1620 | 522 |
| 7.512 | | 1248 | 489 |
| 7.56 | | 1220 | 586 |
| 7.673 | | 755 | 346 |
| 7.696 | | 1080 | 829 |
| 7.718 | | 1533 | 515 |
| 7.82 | | 1834 | 801 |
| 7.845 | | 1404 | 659 |
| 7.983 | | 1416 | 431 |
| 8.041 | | 1049 | 1673 |
| 8.163 | | 1069 | 1088 |
| 8.313 | | 1298 | 524 |
| 8.375 | | 936 | 581 |

LANCASTER LABORATORIES

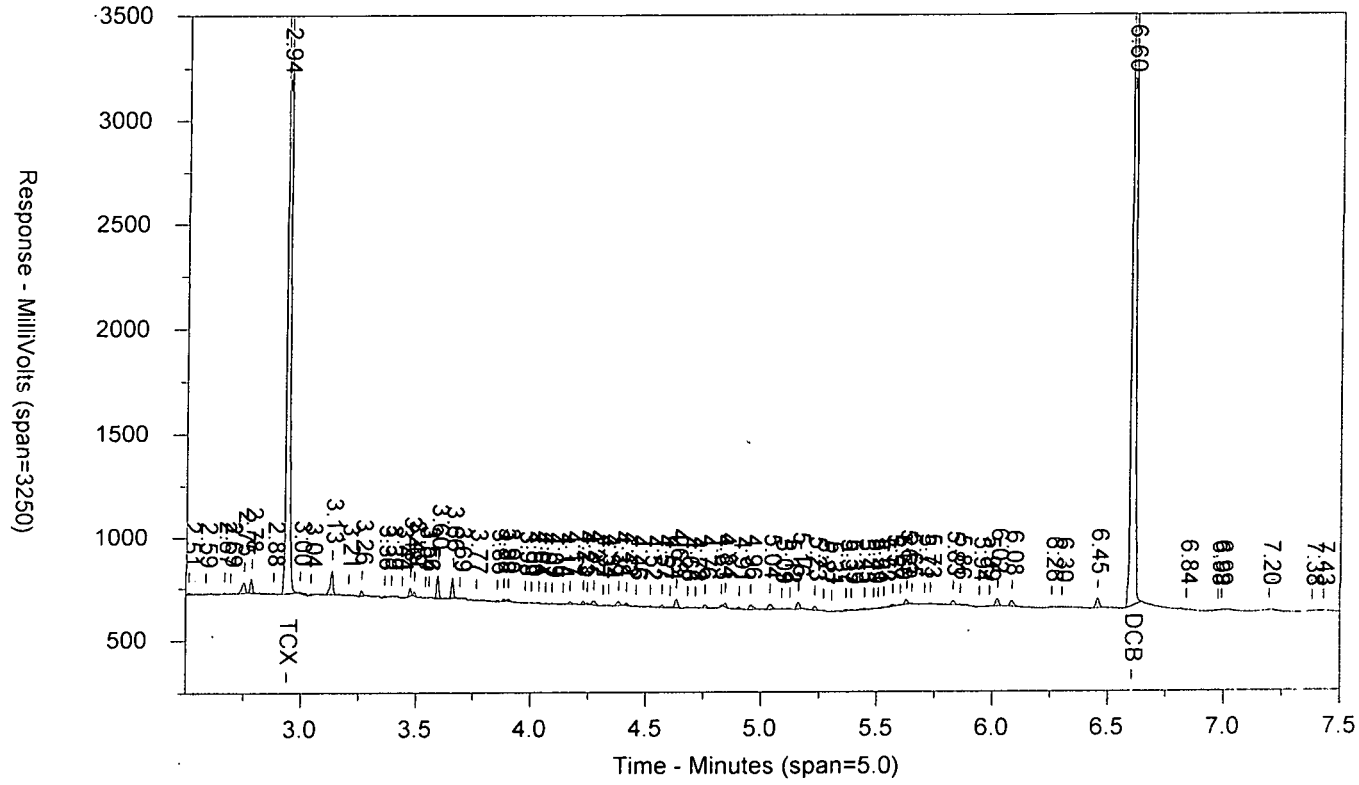
Sample Number: BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 3:48:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.531 | | 7749 | 8543 |
| 1.585 | | 7678 | 7907 |
| 1.602 | | 11589 | 13653 |
| 1.668 | | 8930 | 12619 |
| 1.735 | | 59699 | 44755 |
| 1.768 | | 6021 | 8329 |
| 1.801 | | 35271 | 29550 |
| 1.85 | | 826978 | 579276 |
| 1.899 | | 232780 | 205798 |
| 1.967 | | 42756 | 43964 |
| 2.029 | | 7918 | 9321 |
| 2.092 | | 906089 | 550580 |
| 2.155 | | 1938 | 1333 |
| 2.177 | | 13667 | 8684 |
| 2.219 | | 4555 | 5445 |
| 2.269 | | 2571 | 2266 |
| 2.304 | | 8703 | 5602 |
| 2.368 | | 8927 | 5057 |
| 2.411 | | 57112 | 34391 |
| 2.439 | | 69476 | 40047 |
| 2.508 | | 144536 | 85759 |
| 2.544 | | 3137 | 1686 |
| 2.568 | | 11621 | 6040 |
| 2.591 | TCX | 11885300 | 7658904 |
| 2.712 | | 38627 | 21626 |
| 2.743 | | 6312 | 5038 |
| 2.809 | | 164254 | 99382 |
| 2.832 | | 4799 | 3412 |
| 2.877 | | 3431 | 2692 |
| 2.9 | | 11822 | 6809 |
| 2.925 | | 38128 | 23785 |
| 2.95 | | 3277 | 1919 |
| 2.974 | | 6660 | 4863 |
| 3.032 | | 2039 | 1355 |
| 3.061 | | 3690 | 1774 |
| 3.096 | | 6600 | 5136 |
| 3.126 | | 74478 | 45519 |
| 3.148 | | 3043 | 1048 |
| 3.162 | | 35798 | 22190 |
| 3.186 | | 2973 | 1268 |
| 3.204 | | 4974 | 2754 |
| 3.223 | | 156929 | 93309 |
| 3.27 | | 3465 | 2647 |
| 3.299 | | 152755 | 96041 |
| 3.341 | | 7129 | 5664 |
| 3.362 | | 6778 | 3801 |
| 3.383 | | 5778 | 3761 |
| 3.412 | | 4736 | 3100 |
| 3.44 | | 3311 | 1641 |
| 3.51 | | 13614 | 11181 |
| 3.529 | | 13177 | 6743 |
| 3.547 | | 20429 | 11362 |
| 3.601 | | 6215 | 4894 |
| 3.63 | | 5541 | 4360 |

| | | | |
|---|---|---|---|
| 3.653 | | 8860 | 5732 |
| 3.675 | | 4730 | 3362 |
| 3.717 | | 5112 | 4009 |
| 3.807 | | 13571 | 9278 |
| 3.853 | | 25334 | 15590 |
| 3.877 | | 12534 | 7852 |
| 3.898 | | 4147 | 2017 |
| 3.917 | | 24157 | 18094 |
| 3.952 | | 28310 | 18379 |
| 3.983 | | 14540 | 9293 |
| 4.049 | | 14382 | 13917 |
| 4.094 | | 14156 | 11339 |
| 4.151 | | 16542 | 12025 |
| 4.184 | | 4998 | 3885 |
| 4.211 | | 42299 | 35323 |
| 4.248 | | 5204 | 4095 |
| 4.31 | | 37693 | 44830 |
| 4.339 | | 4130 | 2795 |
| 4.372 | | 32259 | 22975 |
| 4.396 | | 7052 | 5058 |
| 4.439 | | 33831 | 30020 |
| 4.501 | | 3857 | 3825 |
| 4.539 | | 21030 | 30829 |
| 4.59 | | 17228 | 12494 |
| 4.617 | | 30450 | 36283 |
| 4.669 | | 55173 | 76284 |
| 4.737 | | 5884 | 4564 |
| 4.815 | | 5581 | 5003 |
| 4.855 | | 2914 | 2593 |
| 4.888 | | 9031 | 6301 |
| 4.911 | | 11248 | 8221 |
| 4.962 | | 8245 | 7806 |
| 4.994 | | 3518 | 2982 |
| 5.03 | | 3072 | 2636 |
| 5.059 | | 8708 | 6195 |
| 5.082 | | 26141 | 22421 |
| 5.154 | | 6898 | 5178 |
| 5.194 | | 6283 | 7175 |
| 5.297 | | 4408 | 2989 |
| 5.342 | | 20992 | 23175 |
| 5.498 | | 43135 | 37413 |
| 5.567 | | 30334 | 31357 |
| 5.615 | | 3690 | 2834 |
| 5.642 | | 4936 | 3557 |
| 5.725 | | 7953 | 8331 |
| 5.925 | | 73442 | 62566 |
| 5.957 | | 2763 | 1903 |
| 6.083 | DCB | 8446909 | 7936368 |
| 6.867 | | 1817 | 2670 |
| 6.916 | | 1999 | 2623 |
| 7.119 | | 3458 | 11022 |
| 7.585 | | 2749 | 9222 |
| 7.895 | | 1290 | 1563 |
| 8.162 | | 10320 | 22961 |
| 8.554 | | 1318 | 2237 |

BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0047.RAW

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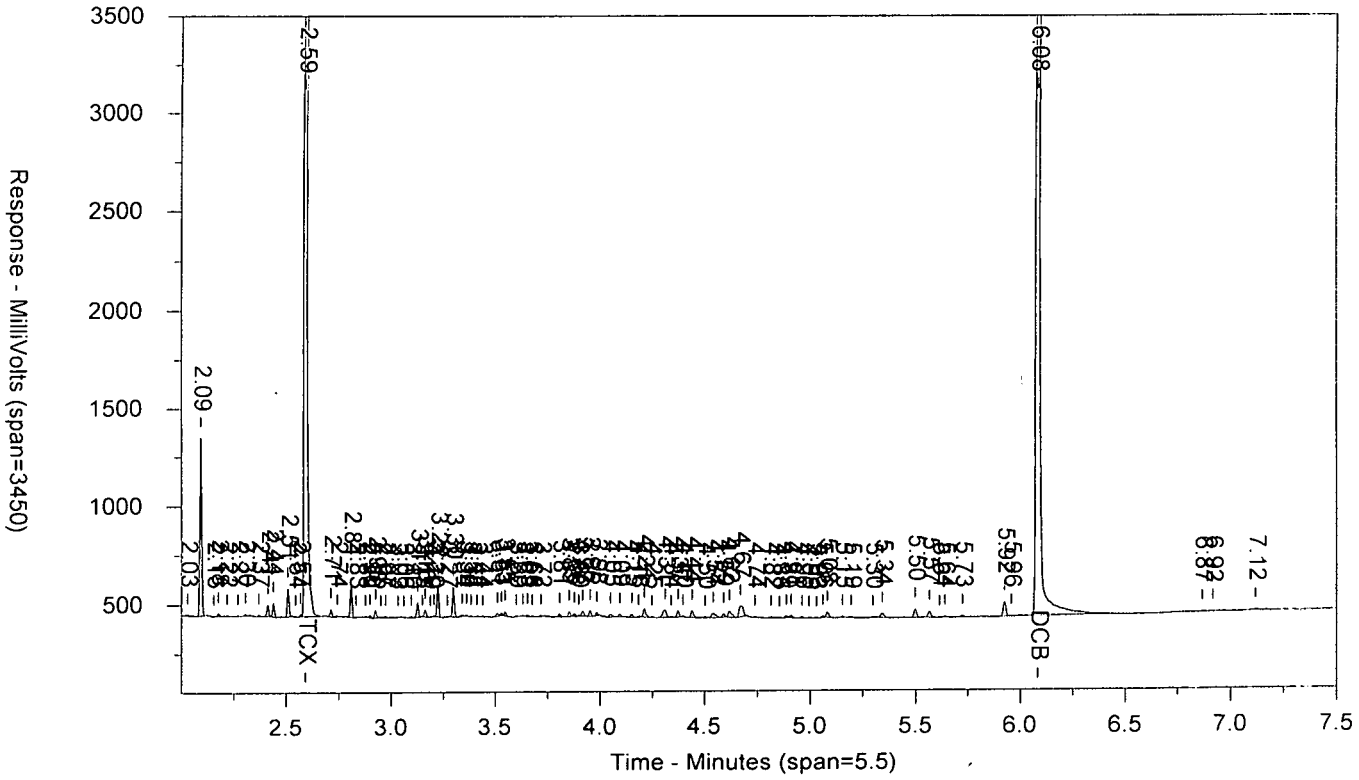

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 3:48:57 AM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 8443437 | 30.802 | TCX | 2.591 | 11885300 | 28.672 | TCX |
| 6.602 | 4459880 | 22.102 | DCB | 6.083 | 8446909 | 22.314 | DCB |

Files:
Area File: 07PCBS17284001.0047.RAW
Area File: 07PCBS17284001B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:29:55 AM

**BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225** **SW-846 80**

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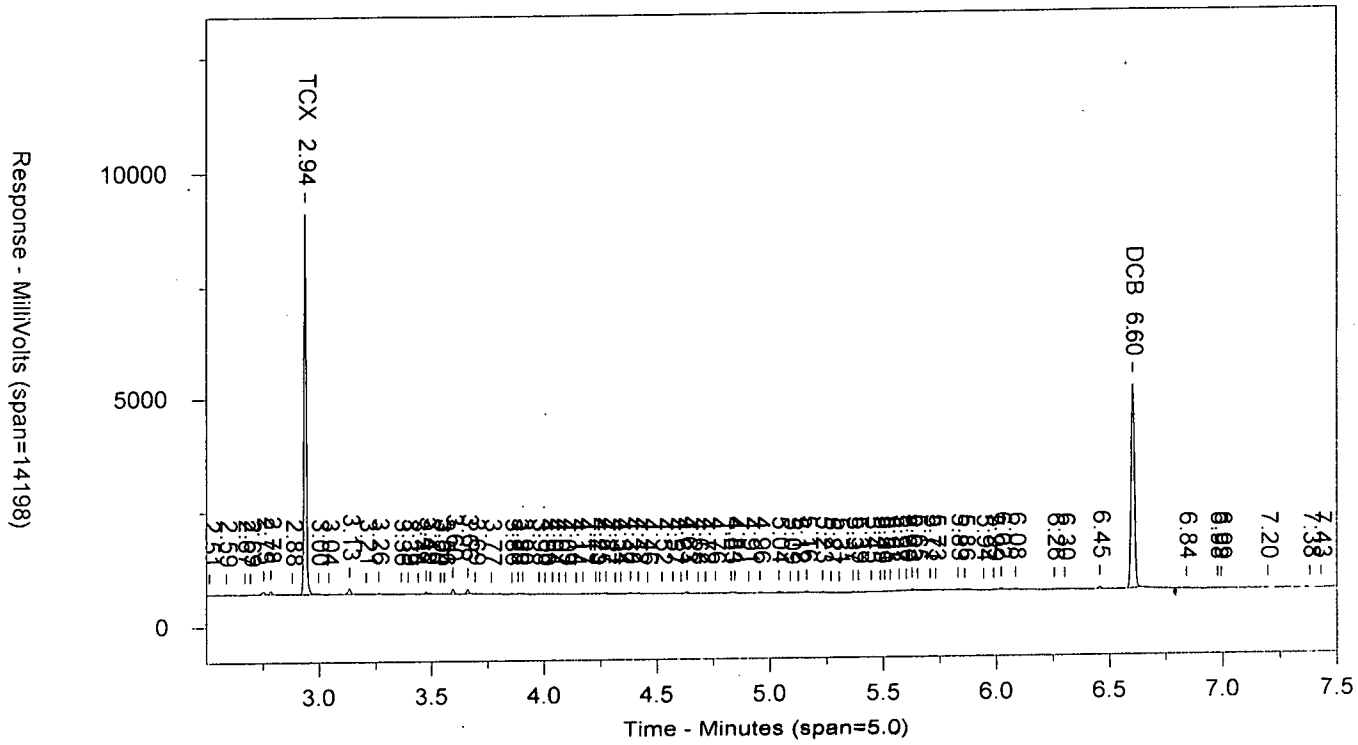


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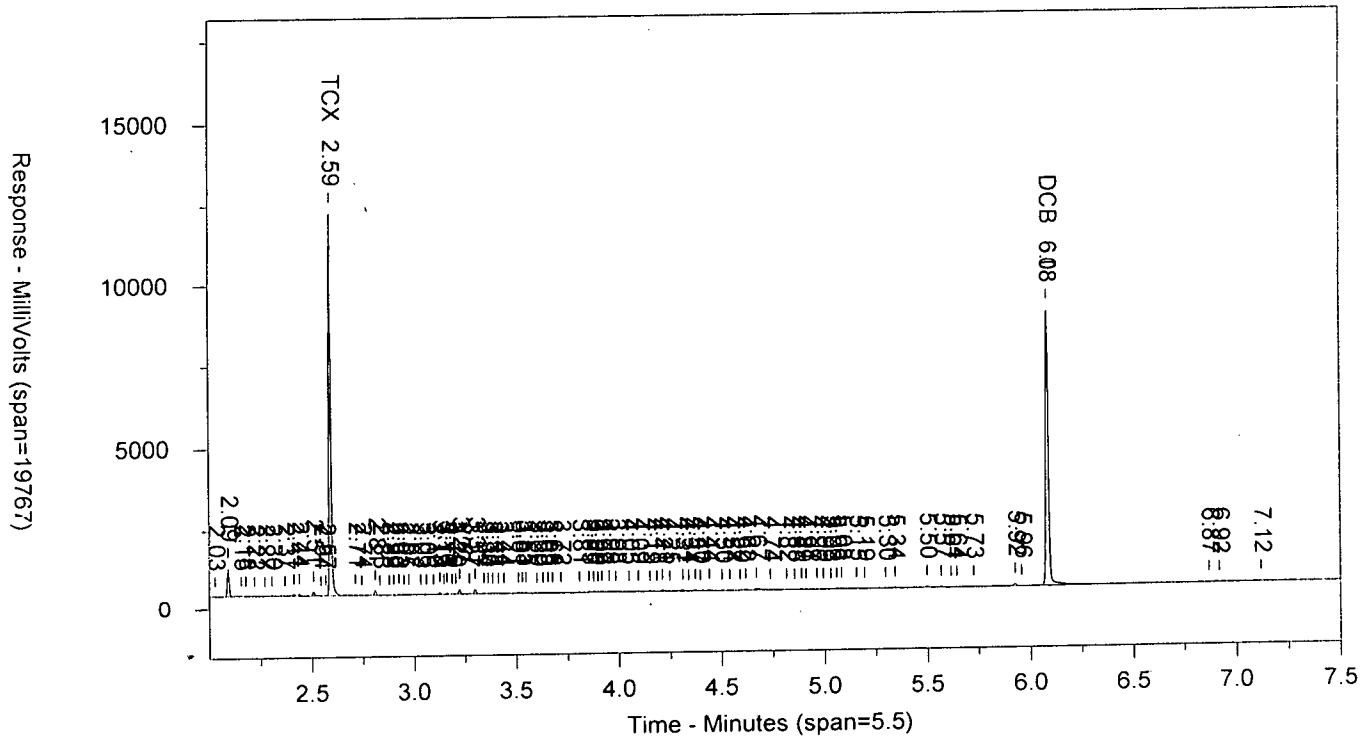

BLANKA 10/9/17 ACF ABPBLK28282 BLK 172820028A 10225 SW-846 80

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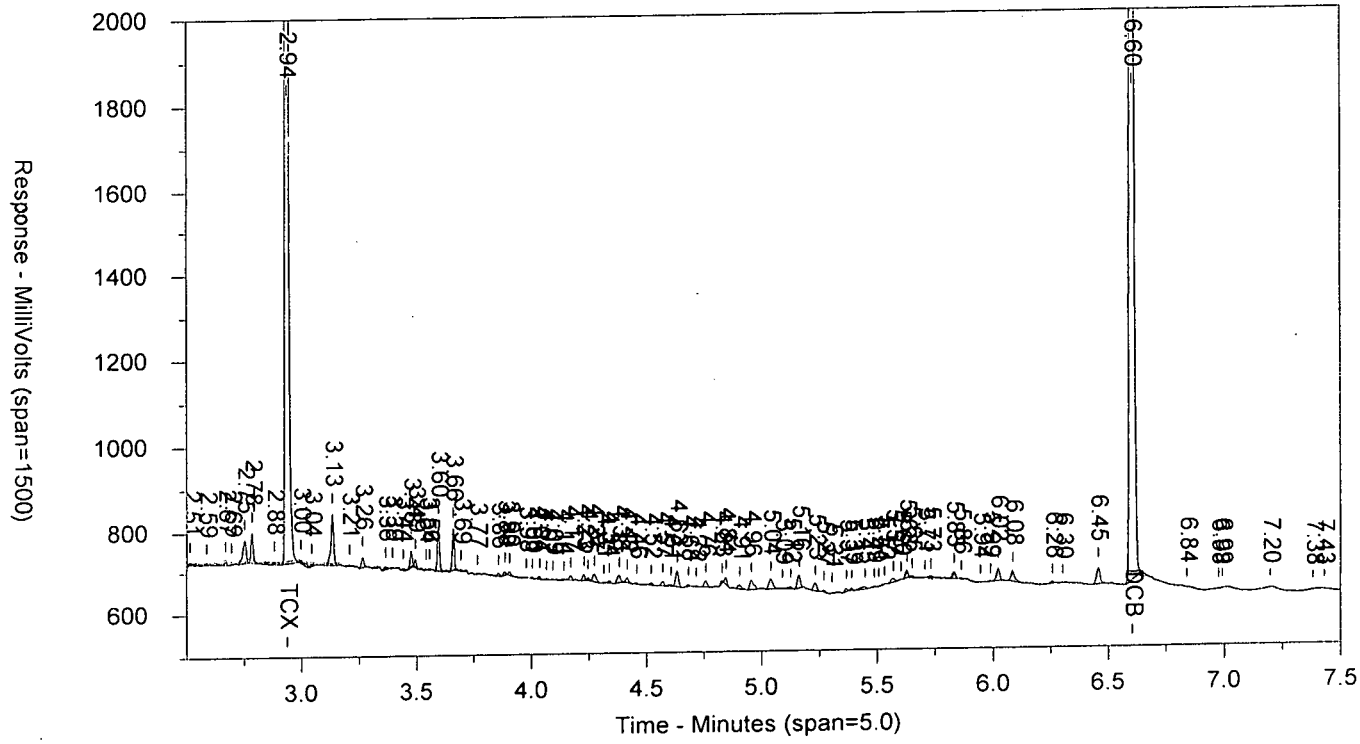


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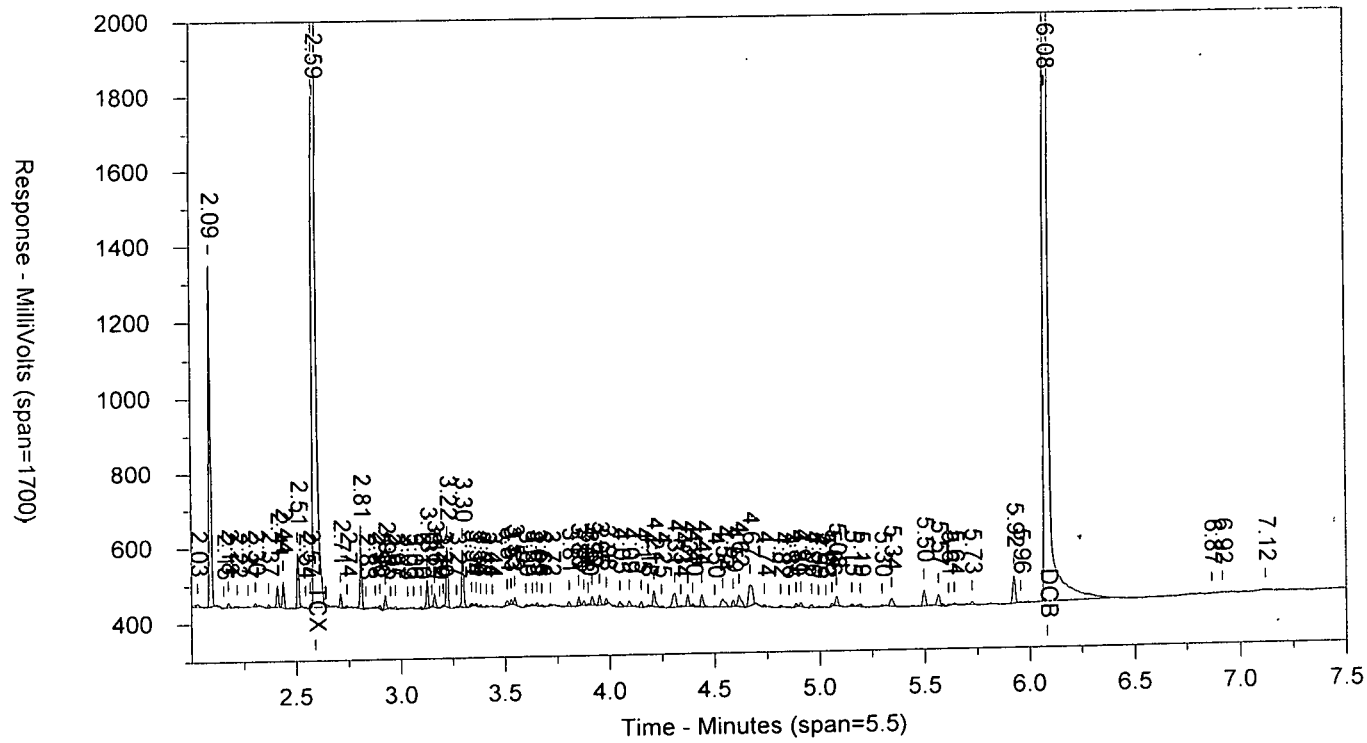

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# Data Summary

**Sample Name: 9229485** MS ACF DF50 99A15 MS Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:54:18 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0058.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 88% ( 61 - 152 ) Conc: 26.36582
%SSR(DCB) 130% ( 48 - 164 ) Conc: 34.69189

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 05:54:18 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0058.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 82% ( 61 - 152 ) Conc: 24.75406
%SSR(DCB) 109% ( 48 - 164 ) Conc: 29.08864

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 146717 | 26.36582 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 208303 | 24.75406 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 142106 | 34.69189 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 223537 | 29.08864 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | A | 26.36582 | | | | 6.31 | |
| Tetrachloro-m-xylene-D1 | A | 26.36582 | | | | | |
| Tetrachloro-m-xylene-D2 | B | 24.75406 | | | | | |
| Decachlorobiphenyl | A | 34.69189 | | | | 17.57 | |
| Decachlorobiphenyl-D1 | A | 34.69189 | | | | | |
| Decachlorobiphenyl-D2 | B | 29.08864 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **15.07** | |
| 4.74 | 4.76 | 4.78 | 2495040 | 10602.108435 | | | 1 |
| 4.94 | 4.95 | 4.98 | 3067308 | 12890.836324 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4076146 | 14089.55978 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1508891 | 9426.352129 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5789912 | 11611.470426 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3512918 | 10376.96131 | | | 6 |

Height summation: **20450215**
Concentration CF: **11499.548067** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **18.64** | |
| 4.42 | 4.44 | 4.46 | 4893148 | 11685.609832 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3242634 | 10318.085474 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5728326 | 14426.629323 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2333512 | 8568.736183 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6656046 | 10412.290764 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4058400 | 9708.844494 | | | 6 |

Height summation: **26912066**
Concentration CF: **10853.366012** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 | | | <2512.3152 | <487.6847 | | | 4 | |
| PCB-1221 | | | <2512.3152 | <753.6946 | | | 3 | |
| PCB-1232 | | | <2512.3152 | <605.9113 | | | 4 | |
| PCB-1242 | | | <2512.3152 | <605.9113 | | | 4 | |
| PCB-1248 | | | <2512.3152 | <487.6847 | | | 4 | |
| PCB-1254 | | | <2512.3152 | <650.2463 | | | 4 | |
| PCB-1260 | A | 11499.548067 | 2512.3152 | 576.3547 | | 5.78 | 4 | |
| PCB-1262 | | | <2512.3152 | <487.6847 | | | 4 | |
| PCB-1268 | | | <2512.3152 | <487.6847 | | | 4 | |
| Total PCBs | A | 11499.548067 | 2512.3152 | 487.6847 | | | | |

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:10

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229485** MS ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:54:18
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0058.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 88% (61-152) Conc.: 26.36582
%SSR(DCB) : 130% (48-164) Conc.: 34.69189

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 98.24 | |
| 3.17 | 3.19 | 3.21 | 55574.2 | 569.28898 | | | 1 |
| 3.38 | 3.40 | 3.42 | 64530.19 | 630.564758 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 37875.34 | 370.103584 | | | 2 |
| 3.50 | 3.52 | 3.54 | 72025.69 | 585.95092 | | | 3 |
| 3.71 | 3.73 | 3.75 | 105739.5 | 707.91785 | | | 4 |
| 3.77 | 3.79 | 3.81 | 91859.62 | 698.615101 | | | 5 |
| 3.96 | 3.98 | 4.00 | 320627.1 | 3197.324485 | | | 6 |
| Height Summation: | | | 710356.3 | | | | |
| Amount Avg CF: | | | 1064.943682 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 42.74 | |
| + 3.07 | 3.09 | 3.11 | 3921.459 | 77.950294 | | | 1 |
| 3.07 | 3.10 | 3.11 | 10164.45 | 202.047724 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 15254.5 | 345.89032 | | | 2 |
| 3.12 | 3.15 | 3.16 | 22883.87 | 518.88355 | | | 2 |
| 3.17 | 3.19 | 3.21 | 55574.2 | 407.07316 | | | 3 |
| Height Summation: | | | 88622.52 | | | | |
| Amount Avg CF: | | | 376.001478 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 119.40 | |
| 3.17 | 3.19 | 3.21 | 55574.2 | 489.849854 | | | 1 |
| 3.38 | 3.40 | 3.42 | 64530.19 | 1400.253657 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 37875.34 | 821.864671 | | | 2 |
| 3.50 | 3.52 | 3.54 | 72025.69 | 1286.941207 | | | 3 |
| 3.71 | 3.73 | 3.75 | 105739.5 | 1560.439623 | | | 4 |
| 3.77 | 3.79 | 3.81 | 91859.62 | 1658.007601 | | | 5 |
| 3.96 | 3.98 | 4.00 | 320627.1 | 8437.564008 | | | 6 |
| Height Summation: | | | 710356.3 | | | | |
| Amount Avg CF: | | | 2472.175992 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 99.28 | |
| 3.17 | 3.19 | 3.21 | 55574.2 | 409.013403 | | | 1 |
| 3.38 | 3.40 | 3.42 | 64530.19 | 469.50969 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 37875.34 | 275.573947 | | | 2 |
| 3.50 | 3.52 | 3.54 | 72025.69 | 439.93512 | | | 3 |
| 3.71 | 3.73 | 3.75 | 105739.5 | 515.745605 | | | 4 |
| 3.77 | 3.79 | 3.81 | 91859.62 | 522.239917 | | | 5 |
| 3.96 | 3.98 | 4.00 | 320627.1 | 2393.666133 | | | 6 |
| Height Summation: | | | 710356.3 | | | | |
| Amount Avg CF: | | | 791.684978 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 43.77 | |
| 3.71 | 3.73 | 3.75 | 105739.5 | 1588.232321 | | | 1 |
| 3.77 | 3.79 | 3.81 | 91859.62 | 1261.028871 | | | 2 |
| 3.84 | 3.86 | 3.88 | 486826.6 | 3903.746467 | | | 3 |
| 3.96 | 3.98 | 4.00 | 320627.1 | 2291.866003 | | | 4 |
| 4.05 | 4.07 | 4.09 | 222532.9 | 1757.248195 | | | 5 |
| 4.23 | 4.25 | 4.27 | 283801.1 | 2016.421048 | | | 6 |
| Height Summation: | | | 1511386.82 | | | | |
| Amount Avg CF: | | | 2136.423817 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:54:18
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0058.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 82% (61-152) Conc.: 24.75406
%SSR(DCB) : 109% (48-164) Conc.: 29.08864

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 83.52 | |
| + 2.86 | 2.88 | 2.90 | 33450.54 | 235.390659 | | | 1 |
| 2.86 | 2.89 | 2.90 | 92993.5 | 654.39306 | | | 1 |
| 3.19 | 3.20 | 3.23 | 153880.5 | 863.188734 | | | 2 |
| 3.38 | 3.38 | 3.42 | 100384.9 | 547.171993 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 56899.52 | 310.144492 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 69484.29 | 378.740801 | | | 3 |
| 3.45 | 3.47 | 3.49 | 124758.9 | 641.122005 | | | 4 |
| 3.51 | 3.53 | 3.55 | 480776.9 | 3277.839943 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440690.6 | 3004.539634 | | | 5 |
| 3.61 | 3.63 | 3.65 | 439374.8 | 2642.86384 | | | 6 |
| Height Summation: | | | 1392169.5 | | | | |
| Amount Avg CF: | | | 1437.763262 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 51.26 | |
| 2.74 | 2.76 | 2.78 | 15778.56 | 185.378584 | | | 1 |
| + 2.80 | 2.81 | 2.84 | 4465.355 | 84.311786 | | | 2 |
| 2.80 | 2.82 | 2.84 | 11574.54 | 218.542565 | | | 2 |
| + 2.86 | 2.88 | 2.90 | 33450.54 | 163.416729 | | | 3 |
| 2.86 | 2.89 | 2.90 | 92993.5 | 454.303386 | | | 3 |
| Height Summation: | | | 120346.6 | | | | |
| Amount Avg CF: | | | 286.074845 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 98.37 | |
| + 2.86 | 2.88 | 2.90 | 33450.54 | 203.499818 | | | 1 |
| 2.86 | 2.89 | 2.90 | 92993.5 | 565.735571 | | | 1 |
| 3.19 | 3.20 | 3.23 | 153880.5 | 1885.541896 | | | 2 |
| 3.38 | 3.38 | 3.42 | 100384.9 | 1220.549473 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 56899.52 | 691.823961 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 69484.29 | 844.838352 | | | 3 |
| 3.45 | 3.47 | 3.49 | 124758.9 | 1500.518104 | | | 4 |
| 3.51 | 3.53 | 3.55 | 480776.9 | 8546.157106 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440690.6 | 7833.594132 | | | 5 |
| 3.61 | 3.63 | 3.65 | 439374.8 | 6677.158389 | | | 6 |
| Height Summation: | | | 1392169.5 | | | | |
| Amount Avg CF: | | | 3399.276756 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 86.25 | |
| + 2.86 | 2.88 | 2.90 | 33450.54 | 165.848219 | | | 1 |
| 2.86 | 2.89 | 2.90 | 92993.5 | 461.063 | | | 1 |
| 3.19 | 3.20 | 3.23 | 153880.5 | 624.309845 | | | 2 |
| 3.38 | 3.38 | 3.42 | 100384.9 | 407.61214 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 56899.52 | 231.040078 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 69484.29 | 282.140443 | | | 3 |
| 3.45 | 3.47 | 3.49 | 124758.9 | 462.651689 | | | 4 |
| 3.51 | 3.53 | 3.55 | 480776.9 | 2519.930407 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 440690.6 | 2309.823212 | | | 5 |
| 3.61 | 3.63 | 3.65 | 439374.8 | 1976.182434 | | | 6 |
| Height Summation: | | | 1392169.5 | | | | |
| Amount Avg CF: | | | 1075.291586 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229485** MS ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 05:54:18
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0058.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 59.15 | |
| 4.21 | 4.23 | 4.25 | 1134608 | 7195.869035 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 283801.1 | 1799.912875 | | | 1 |
| 4.32 | 4.34 | 4.36 | 461670.7 | 8771.990868 | | | 2 |
| 4.55 | 4.57 | 4.59 | 722534.9 | 4144.034324 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 119824.8 | 687.244428 | | | 3 |
| 4.61 | 4.63 | 4.65 | 2438618 | 7015.900396 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1502829 | 12376.712855 | | | 5 |
| 5.14 | 5.16 | 5.18 | 4076146 | 20919.820931 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 213362 | 1095.028204 | | | 6 |
| Height Summation: | | | **10336406.6** | | | | |
| Amount Avg CF: | | | **10070.721401** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 15.07 | |
| 4.74 | 4.76 | 4.78 | 2495040 | 10602.108435 | | | 1 |
| 4.94 | 4.96 | 4.98 | 3067308 | 12890.836324 | | | 2 |
| 5.14 | 5.16 | 5.18 | 4076146 | 14089.55978 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1508891 | 9426.352129 | | | 4 |
| 5.61 | 5.62 | 5.65 | 5789912 | 11611.470426 | | | 5 |
| 5.81 | 5.83 | 5.85 | 3512918 | 10376.96131 | | | 6 |
| Height Summation: | | | **20450215** | | | | |
| Amount Avg CF: | | | **11499.548067** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 38.13 | |
| 5.21 | 5.23 | 5.25 | 1691171 | 5549.678893 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1508891 | 6936.312982 | | | 2 |
| E 5.61 | 5.62 | 5.65 | 5789912 | 10001.180803 | | | 3 |
| 5.81 | 5.83 | 5.85 | 3512918 | 7817.764425 | | | 4 |
| 5.87 | 5.88 | 5.91 | 647100.8 | 2858.44633 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1190212 | 5265.898047 | | | 6 |
| Height Summation: | | | **14340204.8** | | | | |
| Amount Avg CF: | | | **6404.880247** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 95.23 | |
| 5.81 | 5.83 | 5.85 | 3512918 | 4037.270961 | | | 1 |
| 5.87 | 5.88 | 5.91 | 647100.8 | 843.916898 | | | 2 |
| 6.00 | 6.02 | 6.04 | 42896.95 | 63.231992 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 102475.1 | 604.985783 | | | 4 |
| 6.06 | 6.10 | 6.10 | 605005.9 | 3571.794204 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1190212 | 4813.985413 | | | 5 |
| 6.43 | 6.45 | 6.47 | 217523.8 | 123.364986 | | | 6 |
| Height Summation: | | | **6215657.45** | | | | |
| Amount Avg CF: | | | **2242.260742** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 05:54:18
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0058.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 75.40 | |
| 3.38 | 3.38 | 3.42 | 100384.9 | 1344.100781 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 56899.52 | 761.854515 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 69484.29 | 930.357937 | | | 1 |
| 3.45 | 3.47 | 3.49 | 124758.9 | 1127.693036 | | | 2 |
| 3.49 | 3.51 | 3.53 | 663452.1 | 3519.752789 | | | 3 |
| 3.61 | 3.63 | 3.65 | 439374.8 | 1961.725217 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 25098.54 | 154.823921 | | | 5 |
| 3.70 | 3.72 | 3.74 | 270309.2 | 1667.44082 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1959513 | 6397.361677 | | | 6 |
| Height Summation: | | | **3557792.9** | | | | |
| Amount Avg CF: | | | **2669.679053** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 62.80 | |
| 4.19 | 4.21 | 4.23 | 2823892 | 6113.274645 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3932507 | 17609.70307 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1731202 | 6719.863718 | | | 3 |
| 4.42 | 4.44 | 4.46 | 4893148 | 26748.201177 | | | 4 |
| 4.57 | 4.59 | 4.61 | 1271156 | 6373.661299 | | | 5 |
| 4.65 | 4.67 | 4.69 | 5728326 | 17273.048039 | | | 6 |
| Height Summation: | | | **20380231** | | | | |
| Amount Avg CF: | | | **13472.958658** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 18.64 | |
| 4.42 | 4.44 | 4.46 | 4893148 | 11685.609832 | | | 1 |
| 4.52 | 4.54 | 4.56 | 3242634 | 10318.085474 | | | 2 |
| 4.65 | 4.67 | 4.69 | 5728326 | 14426.629323 | | | 3 |
| 4.87 | 4.89 | 4.91 | 2333512 | 8568.736183 | | | 4 |
| 5.06 | 5.08 | 5.10 | 6656046 | 10412.290764 | | | 5 |
| 5.32 | 5.34 | 5.36 | 4058400 | 9708.844494 | | | 6 |
| Height Summation: | | | **26912066** | | | | |
| Amount Avg CF: | | | **10853.366012** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.46 | |
| 4.68 | 4.70 | 4.72 | 1810106 | 4199.220115 | | | 1 |
| 4.87 | 4.89 | 4.91 | 2333512 | 5522.64126 | | | 2 |
| 5.06 | 5.08 | 5.10 | 6656046 | 7887.527322 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1153550 | 3357.291804 | | | 4 |
| 5.33 | 5.34 | 5.36 | 4058400 | 7288.957397 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1674175 | 5117.772153 | | | 6 |
| Height Summation: | | | **17685789** | | | | |
| Amount Avg CF: | | | **5562.235009** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 122.62 | |
| 5.28 | 5.30 | 5.32 | 1153550 | 1174.954093 | | | 1 |
| 5.33 | 5.34 | 5.36 | 4058400 | 4386.604059 | | | 2 |
| 5.48 | 5.50 | 5.52 | 126451.9 | 144.857343 | | | 3 |
| 5.55 | 5.57 | 5.59 | 28057.35 | 123.812712 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1674175 | 4578.927311 | | | 5 |
| 5.90 | 5.92 | 5.94 | 347768 | 121.309659 | | | 6 |
| Height Summation: | | | **7388402.25** | | | | |
| Amount Avg CF: | | | **1755.07753** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229485** MS ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 05:54:18 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0058.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 05:54:18 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0058.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2512.3155 | 487.6848 | | 29.79 | 4 | 40 | |
| Aroclor-1221 | | | 2512.3155 | 753.6946 | | 27.17 | 3 | 40 | |
| Aroclor-1232 | | | 2512.3155 | 605.9114 | | 31.58 | 4 | 40 | |
| Aroclor-1242 | | | 2512.3155 | 605.9114 | | 30.38 | 4 | 40 | |
| Aroclor-1248 | | | 2512.3155 | 487.6848 | | 22.19 | 4 | 40 | |
| Aroclor-1254 | | | 2512.3155 | 650.2464 | | 28.90 | 4 | 40 | |
| Aroclor-1260 | | | 2512.3155 | 576.3547 | | 5.78 | 4 | 40 | |
| Aroclor-1262 | | | 2512.3155 | 487.6848 | E | 14.08 | 4 | 40 | |
| Aroclor-1268 | | | 2512.3155 | 487.6848 | | 24.38 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:54:18 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0058.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.527 | | 29689 | 86147 |
| 1.582 | | 95026 | 99284 |
| 1.611 | | 30192 | 28554 |
| 1.638 | | 38203 | 62131 |
| 1.661 | | 36649 | 41690 |
| 1.687 | | 50487 | 49210 |
| 1.737 | | 41448 | 73901 |
| 1.757 | | 37919 | 42653 |
| 1.788 | | 25021 | 21203 |
| 1.815 | | 22061 | 15165 |
| 1.836 | | 35969 | 27691 |
| 1.861 | | 32876 | 34996 |
| 1.887 | | 39523 | 50657 |
| 1.927 | | 51686 | 49196 |
| 1.946 | | 58766 | 75495 |
| 1.97 | | 34023 | 21288 |
| 1.993 | | 38725 | 28172 |
| 2.01 | | 56515 | 64199 |
| 2.032 | | 45719 | 36410 |
| 2.057 | | 58424 | 83880 |
| 2.081 | | 47300 | 61333 |
| 2.103 | | 44580 | 32319 |
| 2.118 | | 64528 | 77205 |
| 2.139 | | 54909 | 53187 |
| 2.157 | | 63014 | 57434 |
| 2.183 | | 48554 | 48815 |
| 2.209 | | 109912 | 95967 |
| 2.232 | | 56678 | 50975 |
| 2.285 | | 48057 | 89433 |
| 2.321 | | 59700 | 50662 |
| 2.335 | | 30536 | 14573 |
| 2.353 | | 23411 | 16221 |
| 2.396 | | 65541 | 99340 |
| 2.436 | | 46204 | 53911 |
| 2.455 | | 53475 | 85616 |
| 2.489 | | 51441 | 59493 |
| 2.524 | | 43880 | 54175 |
| 2.547 | | 42331 | 36473 |
| 2.576 | | 48132 | 78474 |
| 2.617 | | 9166 | 9385 |
| 2.636 | | 26947 | 27122 |
| 2.658 | | 66240 | 35105 |
| 2.674 | | 5414 | 2669 |
| 2.699 | | 5241 | 2608 |
| 2.713 | | 19269 | 19227 |
| 2.744 | | 31111 | 26756 |
| 2.764 | | 18768 | 21552 |
| 2.795 | | 13132 | 5654 |
| 2.813 | | 27746 | 22061 |
| 2.84 | | 10257 | 6927 |
| 2.898 | | 56450 | 54427 |
| 2.937 | TCX | 146717 | 101709 |
| 2.957 | | 6999 | 6623 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.986 | | 14997 | 12974 |
| 3.014 | | 25440 | 26804 |
| 3.057 | | 9605 | 11969 |
| 3.089 | | 3921 | 4305 |
| 3.102 | | 10164 | 5837 |
| 3.123 | | 15255 | 11462 |
| 3.146 | | 22884 | 12762 |
| 3.166 | | 8165 | 4201 |
| 3.188 | | 55574 | 46157 |
| 3.219 | | 9196 | 5012 |
| 3.255 | | 114751 | 105608 |
| 3.282 | | 33551 | 23728 |
| 3.301 | | 4152 | 1609 |
| 3.315 | | 7533 | 3486 |
| 3.334 | | 7900 | 3891 |
| 3.357 | | 16187 | 14462 |
| 3.382 | | 12201 | 7527 |
| 3.403 | | 64530 | 36333 |
| 3.419 | | 37875 | 20789 |
| 3.456 | | 6032 | 5150 |
| 3.472 | | 4041 | 2680 |
| 3.517 | | 72026 | 50856 |
| 3.548 | | 9813 | 5786 |
| 3.563 | | 2467 | 1252 |
| 3.58 | | 12904 | 12910 |
| 3.625 | | 16349 | 9100 |
| 3.639 | | 11537 | 5785 |
| 3.682 | | 36026 | 19993 |
| 3.693 | | 120811 | 95835 |
| 3.731 | | 105740 | 104022 |
| 3.766 | | 2981 | 2266 |
| 3.788 | | 91860 | 76698 |
| 3.829 | | 44722 | 31411 |
| 3.857 | | 486827 | 345643 |
| 3.883 | | 349142 | 237894 |
| 3.905 | | 298941 | 195444 |
| 3.927 | | 4935 | 2470 |
| 3.95 | | 5087 | 5484 |
| 3.98 | | 320627 | 233568 |
| 4.004 | | 120677 | 77727 |
| 4.035 | | 166858 | 112088 |
| 4.069 | | 222533 | 202361 |
| 4.11 | | 55470 | 47731 |
| 4.141 | | 28701 | 26467 |
| 4.17 | | 15429 | 9999 |
| 4.193 | | 70816 | 55767 |
| 4.228 | | 1134608 | 788376 |
| 4.246 | | 283801 | 146895 |
| 4.271 | | 587696 | 487333 |
| 4.339 | | 461671 | 380445 |
| 4.382 | | 1908397 | 1895587 |
| 4.416 | | 755069 | 627751 |
| 4.456 | | 80911 | 57613 |
| 4.478 | | 120549 | 86880 |
| 4.52 | | 554155 | 500039 |
| 4.57 | | 722535 | 523509 |
| 4.587 | | 119825 | 51902 |
| 4.6 | | 106702 | 63174 |
| 4.631 | | 2438618 | 2109862 |
| 4.68 | | 1022212 | 1107333 |
| 4.716 | | 356812 | 249313 |
| 4.756 | | 2495040 | 2298871 |
| 4.803 | | 183834 | 161445 |
| 4.843 | | 1391918 | 1352059 |
| 4.874 | | 36948 | 23714 |
| 4.903 | | 555000 | 530707 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.954 | | 3067308 | 3672697 |
| 5.006 | | 410484 | 376491 |
| 5.044 | | 1502829 | 1683017 |
| 5.089 | | 104431 | 70063 |
| 5.125 | | 299543 | 389758 |
| 5.159 | | 4076147 | 3614323 |
| 5.182 | | 213362 | 104100 |
| 5.202 | | 90628 | 45556 |
| 5.226 | | 1691171 | 1475230 |
| 5.268 | | 1139192 | 1068340 |
| 5.364 | | 633697 | 491493 |
| 5.388 | | 1508891 | 1238012 |
| 5.446 | | 908237 | 835012 |
| 5.484 | | 609409 | 606774 |
| 5.525 | | 98152 | 115053 |
| 5.566 | | 854593 | 857787 |
| 5.599 | | 35459 | 27594 |
| 5.625 | | 5789912 | 5423820 |
| 5.728 | | 21961 | 25285 |
| 5.777 | | 4143 | 4652 |
| 5.829 | | 3512918 | 3168050 |
| 5.86 | | 286954 | 209513 |
| 5.884 | | 647101 | 681754 |
| 5.97 | | 30106 | 22997 |
| 5.996 | | 53492 | 39916 |
| 6.02 | | 42897 | 32352 |
| 6.05 | | 2194 | 1547 |
| 6.071 | | 102475 | 82285 |
| 6.1 | | 605006 | 551222 |
| 6.164 | | 19965 | 22483 |
| 6.194 | | 2811 | 1922 |
| 6.227 | | 9003 | 5502 |
| 6.254 | | 1190212 | 1182018 |
| 6.298 | | 76650 | 69456 |
| 6.344 | | 2779 | 1642 |
| 6.366 | | 2485 | 1375 |
| 6.419 | | 1988 | 683 |
| 6.454 | | 217524 | 210060 |
| 6.567 | | 4924 | 4031 |
| 6.6 | DCB | 142106 | 134608 |
| 6.637 | | 5455 | 4231 |
| 6.706 | | 2602 | 1268 |
| 6.765 | | 1548 | 543 |
| 6.861 | | 1463 | 3417 |
| 6.96 | | 2171 | 946 |
| 7.043 | | 1102 | 436 |
| 7.085 | | 1387 | 433 |
| 7.11 | | 2453 | 2790 |
| 7.135 | | 1805 | 967 |
| 7.155 | | 1601 | 614 |
| 7.214 | | 2737 | 3268 |
| 7.241 | | 1736 | 621 |
| 7.269 | | 1590 | 775 |
| 7.315 | | 1561 | 871 |
| 7.399 | | 1569 | 1827 |
| 7.478 | | 1162 | 443 |
| 7.512 | | 1269 | 876 |
| 7.55 | | 2330 | 2118 |
| 7.669 | | 1959 | 1447 |
| 7.738 | | 2383 | 2083 |
| 7.804 | | 1284 | 387 |
| 7.863 | | 1756 | 519 |
| 7.947 | | 9269 | 12233 |
| 7.977 | | 1635 | 595 |
| 7.994 | | 1275 | 338 |
| 8.044 | | 1761 | 2088 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.107 | | 1113 | 929 |
| 8.143 | | 1021 | 606 |
| 8.205 | | 1167 | 2328 |
| 8.271 | | 1406 | 956 |
| 8.304 | | 1810 | 1351 |
| 8.441 | | 1850 | 871 |
| 8.561 | | 1825 | 1248 |
| 8.634 | | 1090 | 1167 |

LANCASTER LABORATORIES

Sample Number: 9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:54:18 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0058.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

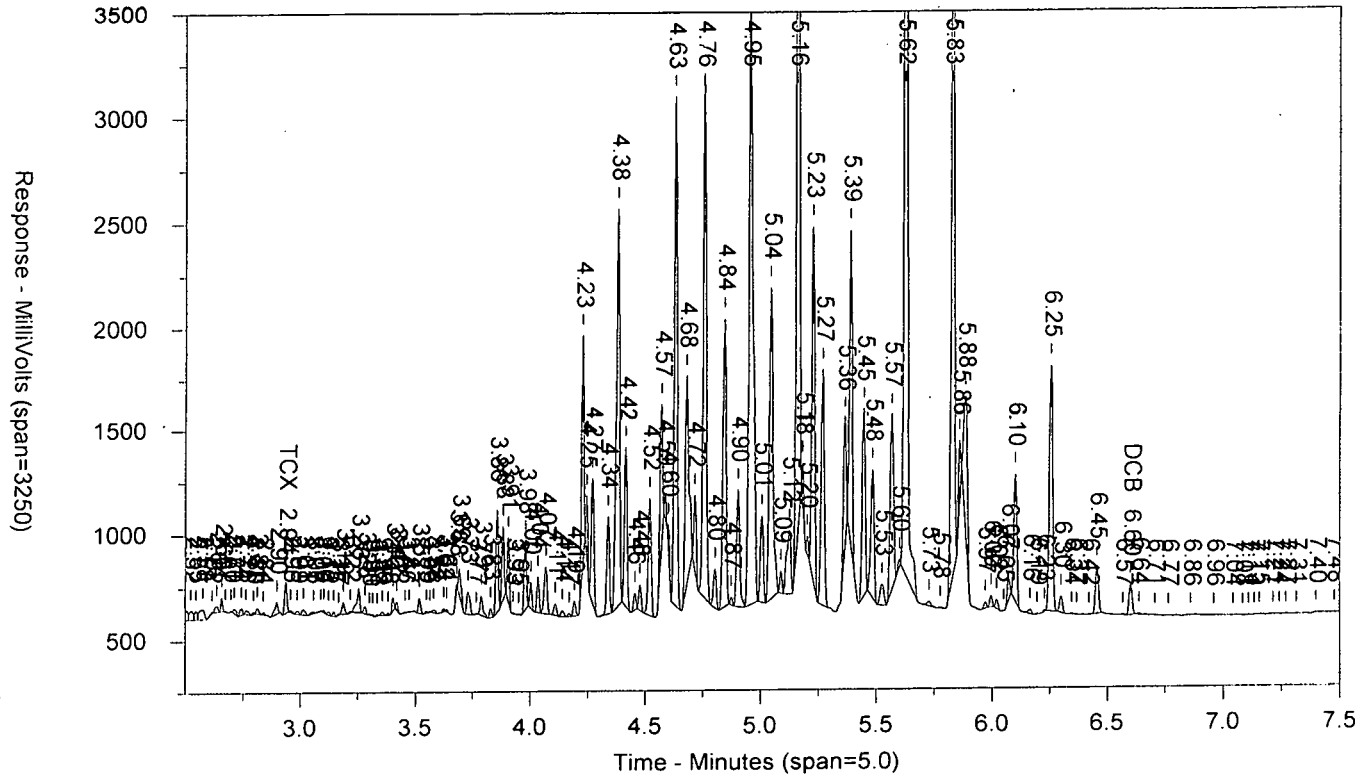
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.506 | | 6798 | 3587 |
| 1.529 | | 10193 | 5497 |
| 1.555 | | 21456 | 22536 |
| 1.583 | | 17994 | 21031 |
| 1.621 | | 26559 | 46385 |
| 1.648 | | 19647 | 20202 |
| 1.688 | | 24961 | 36434 |
| 1.71 | | 27545 | 35637 |
| 1.743 | | 23331 | 21569 |
| 1.77 | | 35521 | 39006 |
| 1.816 | | 32128 | 95775 |
| 1.853 | | 34981 | 42061 |
| 1.878 | | 31930 | 25756 |
| 1.903 | | 29461 | 32020 |
| 1.932 | | 126014 | 111377 |
| 1.958 | | 31616 | 31099 |
| 1.98 | | 28121 | 31221 |
| 2 | | 16163 | 8921 |
| 2.025 | | 22385 | 21437 |
| 2.045 | | 19832 | 16305 |
| 2.077 | | 19486 | 20894 |
| 2.143 | | 17542 | 17510 |
| 2.167 | | 6743 | 3504 |
| 2.206 | | 11816 | 6378 |
| 2.225 | | 7836 | 9835 |
| 2.267 | | 7556 | 7433 |
| 2.286 | | 6725 | 3055 |
| 2.297 | | 10606 | 5865 |
| 2.34 | | 124190 | 93721 |
| 2.42 | | 8610 | 7624 |
| 2.44 | | 5539 | 2753 |
| 2.467 | | 12949 | 7934 |
| 2.515 | | 16690 | 19464 |
| 2.543 | | 2285 | 896 |
| 2.568 | | 2915 | 1402 |
| 2.591 | TCX | 208303 | 140067 |
| 2.624 | | 5977 | 2424 |
| 2.652 | | 6373 | 3025 |
| 2.683 | | 10018 | 11896 |
| 2.738 | | 3614 | 2573 |
| 2.763 | | 15779 | 9238 |
| 2.789 | | 5402 | 3073 |
| 2.81 | | 4465 | 3114 |
| 2.825 | | 11575 | 5754 |
| 2.848 | | 4216 | 1882 |
| 2.877 | | 33451 | 15152 |
| 2.889 | | 92994 | 53523 |
| 2.921 | | 6472 | 4185 |
| 2.948 | | 15048 | 9178 |
| 2.987 | | 21123 | 22161 |
| 3.049 | | 6078 | 4512 |
| 3.084 | | 119668 | 127156 |
| 3.135 | | 13830 | 9801 |
| 3.159 | | 7011 | 4620 |

| | | |
|---|---|---|
| 3.181 | 8285 | 4012 |
| 3.205 | 153881 | 116069 |
| 3.244 | 14471 | 12480 |
| 3.289 | 31695 | 16926 |
| 3.304 | 12006 | 5987 |
| 3.332 | 3661 | 2318 |
| 3.354 | 39804 | 23090 |
| 3.363 | 169011 | 77410 |
| 3.383 | 100385 | 46948 |
| 3.396 | 56900 | 23925 |
| 3.413 | 69484 | 36324 |
| 3.47 | 124759 | 84943 |
| 3.506 | 663452 | 401647 |
| 3.528 | 480777 | 266837 |
| 3.546 | 440691 | 240519 |
| 3.583 | 18951 | 12698 |
| 3.631 | 439375 | 280104 |
| 3.653 | 171233 | 92209 |
| 3.674 | 233657 | 161440 |
| 3.703 | 25099 | 10873 |
| 3.72 | 270309 | 176178 |
| 3.76 | 87155 | 62539 |
| 3.801 | 59448 | 49588 |
| 3.83 | 149484 | 85212 |
| 3.852 | 1959513 | 1324287 |
| 3.877 | 431428 | 243774 |
| 3.896 | 327231 | 177322 |
| 3.916 | 491176 | 317636 |
| 3.951 | 2364370 | 1622419 |
| 3.982 | 845849 | 523070 |
| 3.999 | 327904 | 161564 |
| 4.021 | 86415 | 49855 |
| 4.06 | 170313 | 137619 |
| 4.094 | 653642 | 459074 |
| 4.115 | 33447 | 18109 |
| 4.15 | 1287015 | 936898 |
| 4.191 | 333313 | 349171 |
| 4.21 | 2823893 | 2705345 |
| 4.249 | 595657 | 600583 |
| 4.302 | 3932507 | 3036828 |
| 4.339 | 255590 | 214944 |
| 4.371 | 1731202 | 1197951 |
| 4.395 | 934453 | 677291 |
| 4.438 | 4893149 | 3926962 |
| 4.538 | 3242634 | 3313240 |
| 4.589 | 1271156 | 1088063 |
| 4.63 | 1097068 | 959552 |
| 4.666 | 5728326 | 4803741 |
| 4.699 | 1810106 | 1284013 |
| 4.737 | 1419071 | 1146111 |
| 4.796 | 6725 | 4134 |
| 4.809 | 21729 | 11744 |
| 4.835 | 351216 | 238574 |
| 4.853 | 155121 | 91682 |
| 4.886 | 2333512 | 1768345 |
| 4.909 | 751887 | 511275 |
| 4.96 | 1491870 | 1295818 |
| 4.995 | 739556 | 601162 |
| 5.026 | 562079 | 447862 |
| 5.058 | 506616 | 327344 |
| 5.08 | 6656046 | 5404500 |
| 5.122 | 131373 | 98453 |
| 5.153 | 183922 | 155058 |
| 5.272 | 60812 | 37694 |
| 5.297 | 1153550 | 944207 |
| 5.34 | 4058400 | 4532325 |
| 5.41 | 44948 | 37767 |

| | | | |
|---|---|---|---|
| 5.496 | | 126452 | 105941 |
| 5.543 | | 164959 | 129293 |
| 5.566 | | 28057 | 15587 |
| 5.588 | | 93502 | 64135 |
| 5.615 | | 700885 | 586202 |
| 5.657 | | 8178 | 9044 |
| 5.697 | | 19764 | 12070 |
| 5.723 | | 1674175 | 1397397 |
| 5.755 | | 99152 | 74587 |
| 5.801 | | 5616 | 4784 |
| 5.924 | | 347768 | 308783 |
| 5.988 | | 3822 | 3800 |
| 6.024 | | 1996 | 2151 |
| 6.082 | DCB | 223537 | 200191 |
| 6.12 | | 16911 | 16370 |
| 6.166 | | 1785 | 1820 |
| 6.213 | | 3117 | 5894 |
| 6.257 | | 4288 | 2452 |
| 6.282 | | 30121 | 24716 |
| 6.415 | | 1989 | 1188 |
| 6.451 | | 4318 | 4666 |
| 6.507 | | 3426 | 7185 |
| 6.552 | | 2937 | 3451 |
| 6.617 | | 3329 | 3141 |
| 6.794 | | 761 | 6949 |
| 6.93 | | 1504 | 7561 |
| 6.981 | | 4112 | 3668 |
| 7.096 | | 2347 | 5567 |
| 7.284 | | 2379 | 5984 |
| 7.465 | | 1371 | 968 |
| 7.511 | | 16057 | 22276 |
| 7.574 | | 2504 | 5162 |
| 7.711 | | 2280 | 2872 |
| 8.065 | | 4925 | 9341 |
| 8.163 | | 9965 | 18743 |
| 8.366 | | 8203 | 15216 |
| 8.412 | | 1594 | 2744 |

9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 808:

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0058.RAW

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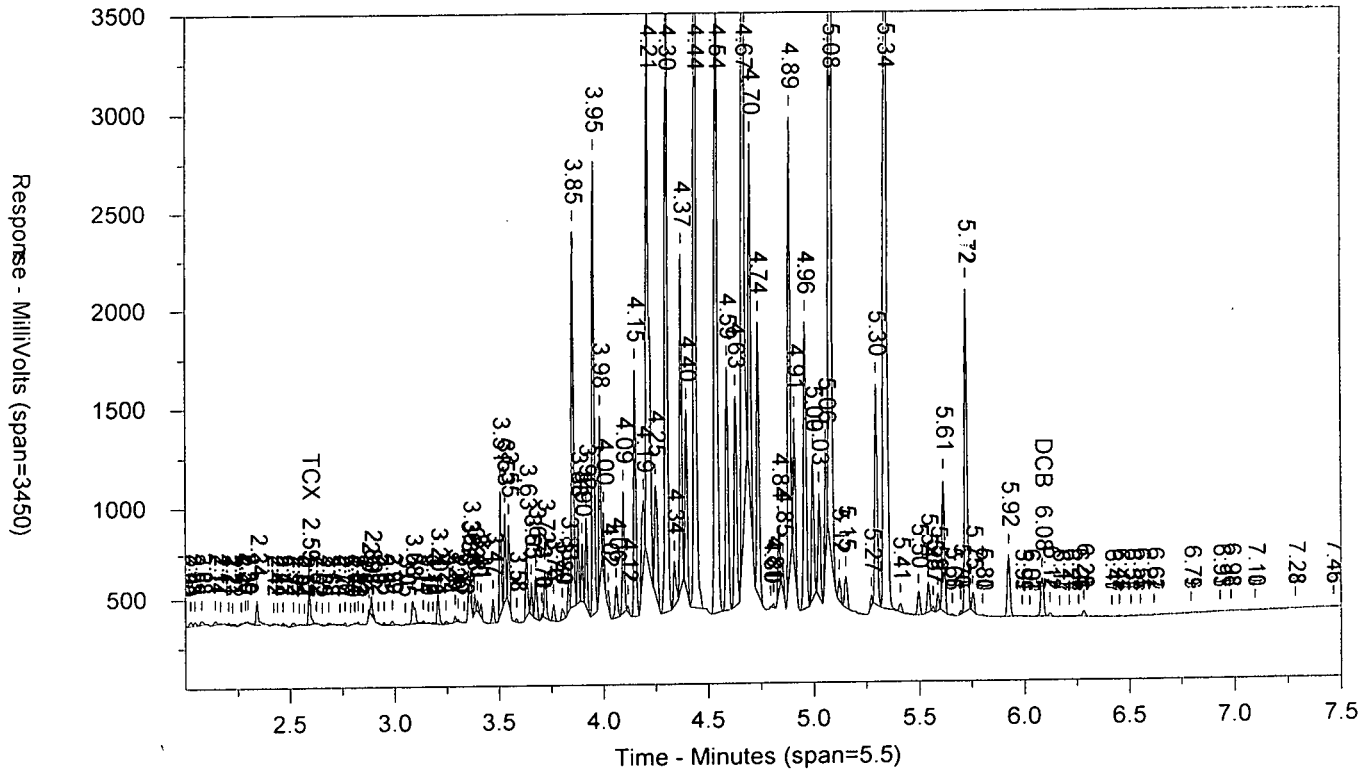

LANCASTER LABORATORIES

Sample Number: 9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 5:54:18 AM
Sample Weight: 10.15
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 146717 | 26.366 | TCX | 2.591 | 208303 | 24.754 | TCX |
| 6.6 | 142106 | 34.692 | DCB | 6.082 | 223537 | 29.089 | DCB |

Files:
Area File: 07PCBS17284001.0058.RAW
Area File: 07PCBS17284001B.0058.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:33:10 AM

9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 808:

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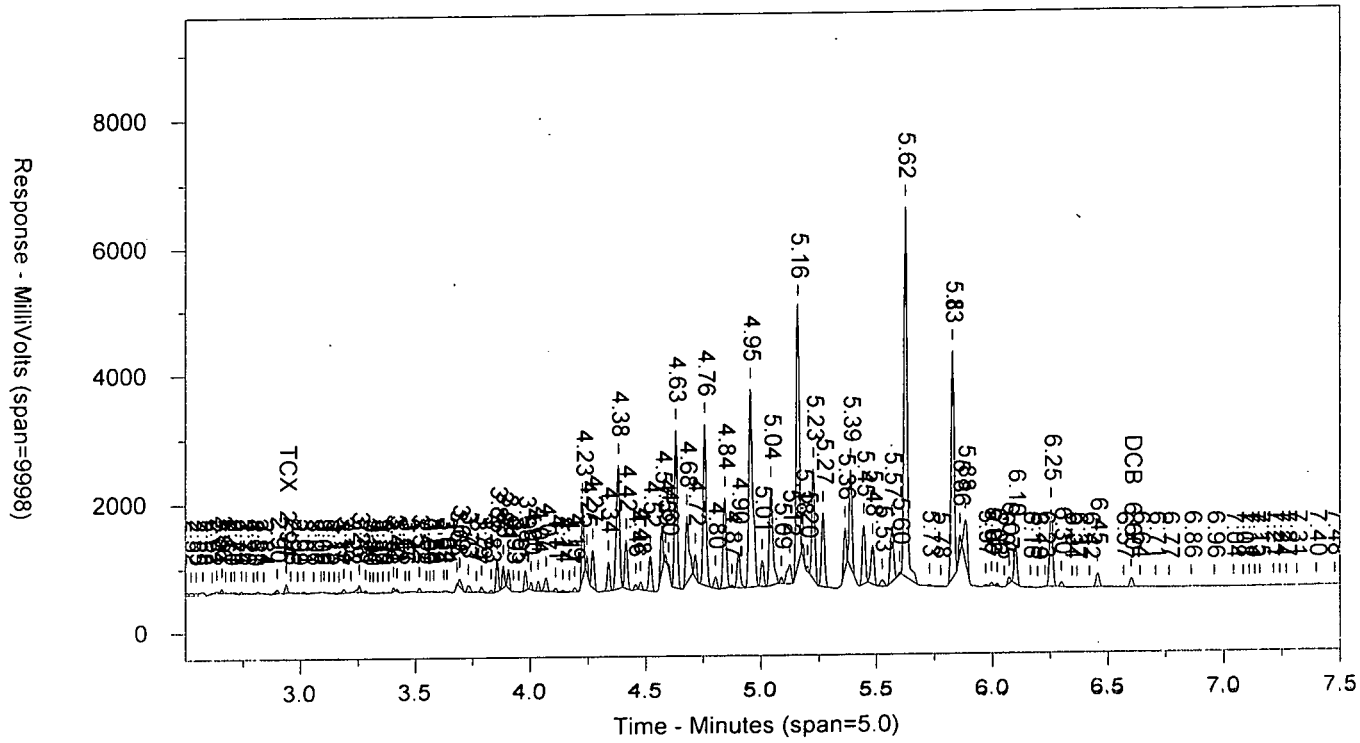


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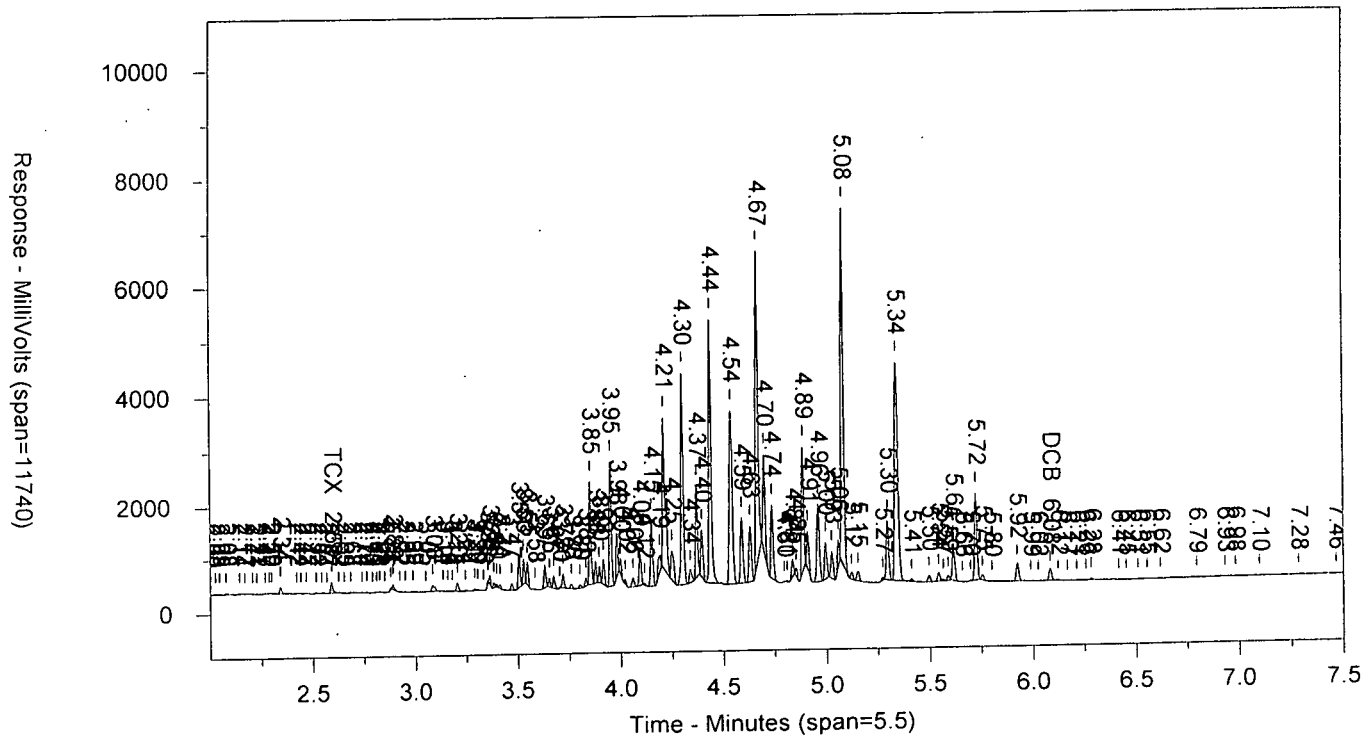
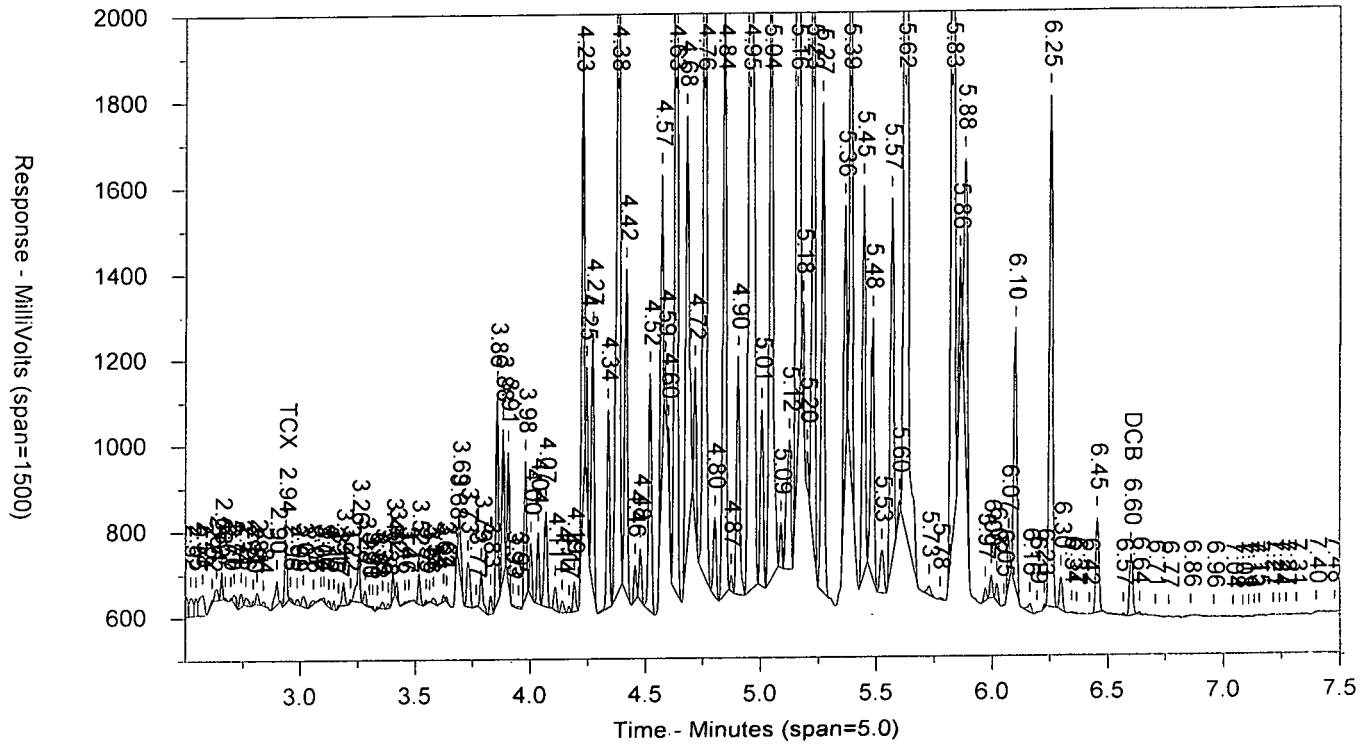


**9229485MS ACF DF50 AC99A15 MS 172820028A 10225 SW-846 808**

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0058.RAW

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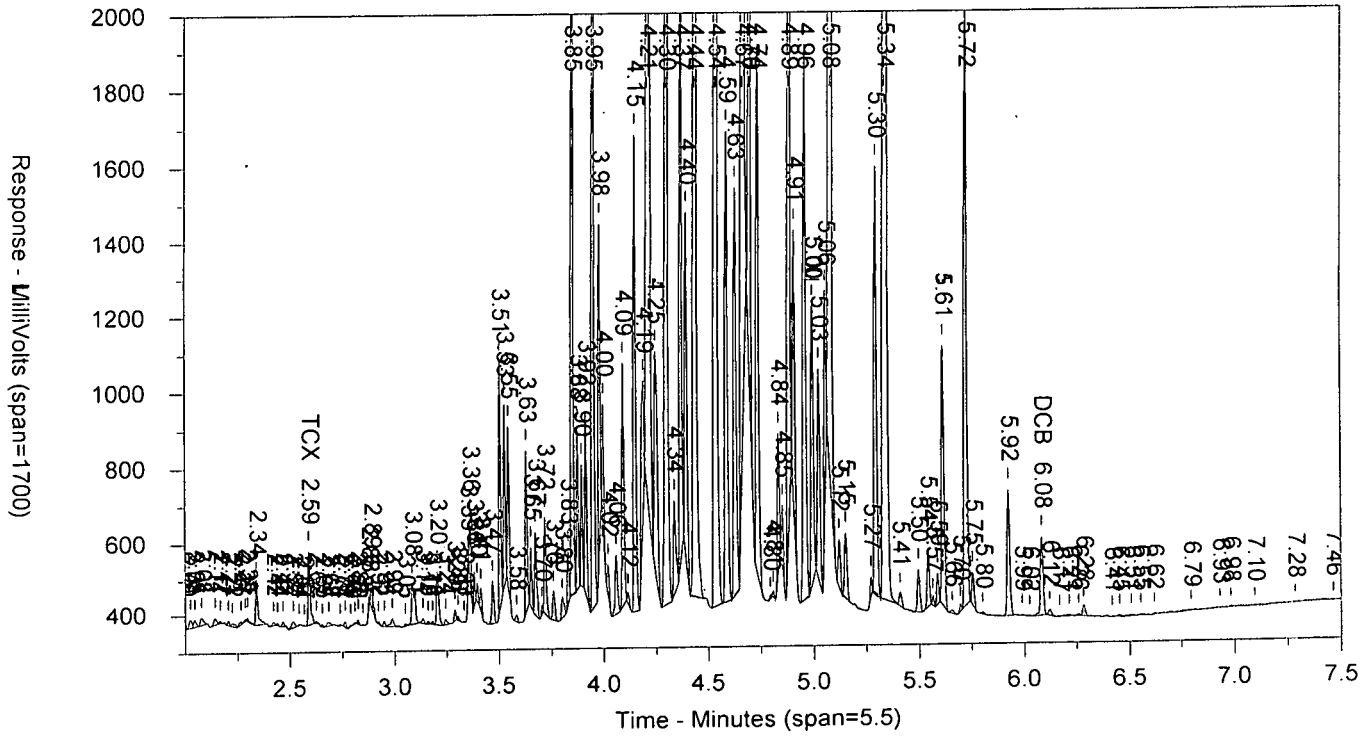


eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 9229486** MSD ACF DF50 99A15 MSD Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:05:34 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0059.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 94% ( 61 - 152 ) Conc: 28.09705
%SSR(DCB) 127% ( 48 - 164 ) Conc: 33.83372

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 06:05:34 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0059.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 88% ( 61 - 152 ) Conc: 26.53183
%SSR(DCB) 109% ( 48 - 164 ) Conc: 29.1986

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 156658 | 28.09705 | Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 223703 | 26.53183 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 138864 | 33.83372 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 224824 | 29.1986 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | A | 28.09705 | | | | 5.73 | |
| ☐ Tetrachloro-m-xylene-D1 | A | 28.09705 | | | | | |
| ☐ Tetrachloro-m-xylene-D2 | B | 26.53183 | | | | | |
| ☐ Decachlorobiphenyl | A | 33.83372 | | | | 14.71 | |
| ☐ Decachlorobiphenyl-D1 | A | 33.83372 | | | | | |
| ☐ Decachlorobiphenyl-D2 | B | 29.1986 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **13.35** | |
| 4.74 | 4.76 | 4.78 | 2051415 | 8699.881662 | | | 1 |
| 4.94 | 4.95 | 4.98 | 2451304 | 10281.724674 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3339262 | 11519.755922 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1311607 | 8177.76462 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4592609 | 9192.207498 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2925563 | 8624.952841 | | | 6 |

Height summation: **16671760**
Concentration CF: **9416.04787** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **16.46** | |
| 4.42 | 4.44 | 4.46 | 4091451 | 9751.815444 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2548389 | 8093.045839 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4594967 | 11549.538568 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1975744 | 7240.73235 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5616561 | 8768.908571 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3691747 | 8814.338315 | | | 6 |

Height summation: **22518859**
Concentration CF: **9036.396515** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ PCB-1016 | | | <2507.3747 | <486.7257 | | | 4 | |
| ☐ PCB-1221 | | | <2507.3747 | <752.2124 | | | 3 | |
| ☐ PCB-1232 | | | <2507.3747 | <604.7198 | | | 4 | |
| ☐ PCB-1242 | | | <2507.3747 | <604.7198 | | | 4 | |
| ☐ PCB-1248 | | | <2507.3747 | <486.7257 | | | 4 | |
| ☐ PCB-1254 | | | <2507.3747 | <648.9676 | | | 4 | |
| ☐ PCB-1260 | A | 9416.04787 | 2507.3747 | 575.2213 | | 4.11 | 4 | |
| ☐ PCB-1262 | | | <2507.3747 | <486.7257 | | | 4 | |
| ☐ PCB-1268 | | | <2507.3747 | <486.7257 | | | 4 | |
| ☐ Total PCBs | A | 9416.04787 | 2507.3747 | 486.7257 | | | | |

Units: ug/kg

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

Valeria L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:58:12

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229486** MSD ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0059.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.09705
%SSR(DCB) : 127% (48-164) Conc.: 33.83372

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 86.10 | |
| 3.17 | 3.19 | 3.21 | 57233.39 | 585.13236 | | | 1 |
| 3.38 | 3.40 | 3.42 | 63723.11 | 621.453736 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 34839.26 | 339.766661 | | | 2 |
| 3.50 | 3.52 | 3.54 | 66378.26 | 538.945396 | | | 3 |
| 3.71 | 3.73 | 3.75 | 99027.27 | 661.676189 | | | 4 |
| 3.77 | 3.79 | 3.81 | 85761.17 | 650.952218 | | | 5 |
| 3.96 | 3.98 | 4.00 | 260849.3 | 2596.099009 | | | 6 |
| Height Summation: | | | 632972.5 | | | | |
| Amount Avg CF: | | | 942.376485 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 35.56 | |
| + 3.07 | 3.09 | 3.11 | 4446.862 | 88.220359 | | | 1 |
| 3.07 | 3.10 | 3.11 | 11105.23 | 220.31432 | | | 1 |
| + 3.12 | 3.12 | 3.16 | 13863.32 | 313.727629 | | | 2 |
| 3.12 | 3.15 | 3.16 | 20700.75 | 468.459014 | | | 2 |
| 3.17 | 3.19 | 3.21 | 57233.39 | 418.402054 | | | 3 |
| Height Summation: | | | 89039.37 | | | | |
| Amount Avg CF: | | | 369.058463 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 108.26 | |
| 3.17 | 3.19 | 3.21 | 57233.39 | 503.482434 | | | 1 |
| 3.38 | 3.40 | 3.42 | 63723.11 | 1380.021411 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 34839.26 | 754.497462 | | | 2 |
| 3.50 | 3.52 | 3.54 | 66378.26 | 1183.701594 | | | 3 |
| 3.71 | 3.73 | 3.75 | 99027.27 | 1458.510678 | | | 4 |
| 3.77 | 3.79 | 3.81 | 85761.17 | 1544.890346 | | | 5 |
| 3.96 | 3.98 | 4.00 | 260849.3 | 6850.962943 | | | 6 |
| Height Summation: | | | 632972.5 | | | | |
| Amount Avg CF: | | | 2153.594901 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 87.16 | |
| 3.17 | 3.19 | 3.21 | 57233.39 | 420.396295 | | | 1 |
| 3.38 | 3.40 | 3.42 | 63723.11 | 462.725751 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 34839.26 | 252.985498 | | | 2 |
| 3.50 | 3.52 | 3.54 | 66378.26 | 404.643119 | | | 3 |
| 3.71 | 3.73 | 3.75 | 99027.27 | 482.056762 | | | 4 |
| 3.77 | 3.79 | 3.81 | 85761.17 | 486.610198 | | | 5 |
| 3.96 | 3.98 | 4.00 | 260849.3 | 1943.56072 | | | 6 |
| Height Summation: | | | 632972.5 | | | | |
| Amount Avg CF: | | | 699.998807 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 39.54 | |
| 3.71 | 3.73 | 3.75 | 99027.27 | 1484.487938 | | | 1 |
| 3.77 | 3.79 | 3.81 | 85761.17 | 1174.995415 | | | 2 |
| 3.84 | 3.86 | 3.88 | 389110.2 | 3114.045896 | | | 3 |
| 3.96 | 3.98 | 4.00 | 260849.3 | 1860.903105 | | | 4 |
| 4.05 | 4.07 | 4.09 | 185505.5 | 1461.977733 | | | 5 |
| 4.23 | 4.25 | 4.27 | 208645.9 | 1479.524264 | | | 6 |
| Height Summation: | | | 1228899.34 | | | | |
| Amount Avg CF: | | | 1762.655725 | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0059.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 88% (61-152) Conc.: 26.53183
%SSR(DCB) : 109% (48-164) Conc.: 29.1986

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 81.01 | |
| + 2.86 | 2.88 | 2.90 | 38595.33 | 271.060316 | | | 1 |
| 2.86 | 2.89 | 2.90 | 74200.78 | 521.122292 | | | 1 |
| 3.19 | 3.21 | 3.23 | 135035.9 | 755.990794 | | | 2 |
| 3.38 | 3.38 | 3.42 | 64909.52 | 353.109138 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 63885.33 | 347.537523 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 45059.63 | 245.125324 | | | 3 |
| 3.45 | 3.47 | 3.49 | 119126.5 | 610.973844 | | | 4 |
| 3.51 | 3.53 | 3.55 | 374558.6 | 2548.643038 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 310173.8 | 2110.543707 | | | 5 |
| 3.61 | 3.63 | 3.65 | 347769.7 | 2087.740298 | | | 6 |
| Height Summation: | | | 1115601 | | | | |
| Amount Avg CF: | | | 1146.263234 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 37.36 | |
| 2.74 | 2.76 | 2.78 | 16161.75 | 189.50718 | | | 1 |
| + 2.80 | 2.81 | 2.84 | 4661.547 | 87.843059 | | | 2 |
| 2.80 | 2.82 | 2.84 | 11041.29 | 208.064124 | | | 2 |
| + 2.86 | 2.88 | 2.90 | 38595.33 | 188.179898 | | | 3 |
| 2.86 | 2.89 | 2.90 | 74200.78 | 361.781988 | | | 3 |
| Height Summation: | | | 101403.82 | | | | |
| Amount Avg CF: | | | 253.117764 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 95.81 | |
| + 2.86 | 2.88 | 2.90 | 38595.33 | 234.336932 | | | 1 |
| 2.86 | 2.89 | 2.90 | 74200.78 | 450.520391 | | | 1 |
| 3.19 | 3.21 | 3.23 | 135035.9 | 1651.379658 | | | 2 |
| 3.38 | 3.38 | 3.42 | 64909.52 | 787.66307 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 63885.33 | 775.234744 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 45059.63 | 546.788922 | | | 3 |
| 3.45 | 3.47 | 3.49 | 119126.5 | 1429.957646 | | | 4 |
| 3.51 | 3.53 | 3.55 | 374558.6 | 6644.956494 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 310173.8 | 5502.72082 | | | 5 |
| 3.61 | 3.63 | 3.65 | 347769.7 | 5274.646555 | | | 6 |
| Height Summation: | | | 1115601 | | | | |
| Amount Avg CF: | | | 2706.520635 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 83.77 | |
| + 2.86 | 2.88 | 2.90 | 38595.33 | 190.97984 | | | 1 |
| 2.86 | 2.89 | 2.90 | 74200.78 | 367.164968 | | | 1 |
| 3.19 | 3.21 | 3.23 | 135035.9 | 546.777868 | | | 2 |
| 3.38 | 3.38 | 3.42 | 64909.52 | 263.046306 | | | 3 |
| + 3.38 | 3.40 | 3.42 | 63885.33 | 258.895768 | | | 3 |
| + 3.38 | 3.41 | 3.42 | 45059.63 | 182.604481 | | | 3 |
| 3.45 | 3.47 | 3.49 | 119126.5 | 440.895926 | | | 4 |
| 3.51 | 3.53 | 3.55 | 374558.6 | 1959.340054 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 310173.8 | 1622.539037 | | | 5 |
| 3.61 | 3.63 | 3.65 | 347769.7 | 1561.092797 | | | 6 |
| Height Summation: | | | 1115601 | | | | |
| Amount Avg CF: | | | 856.38632 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **9229486** MSD ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0059.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 63.43 | |
| 4.21 | 4.23 | 4.25 | 892270.6 | 5647.797045 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 208645.9 | 1320.664042 | | | 1 |
| 4.32 | 4.34 | 4.36 | 342007.4 | 6485.544601 | | | 2 |
| 4.55 | 4.57 | 4.59 | 549034.6 | 3142.746261 | | | 3 |
| + 4.55 | 4.59 | 4.59 | 98354.46 | 562.993865 | | | 3 |
| 4.61 | 4.63 | 4.65 | 1813372 | 5206.808852 | | | 4 |
| 5.02 | 5.04 | 5.06 | 1176727 | 9672.005972 | | | 5 |
| 5.14 | 5.16 | 5.18 | 3339262 | 17104.241355 | | | 6 |
| Height Summation: | | | **8112673.6** | | | | |
| Amount Avg CF: | | | **7876.524014** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 13.35 | |
| 4.74 | 4.76 | 4.78 | 2051415 | 8699.881662 | | | 1 |
| 4.94 | 4.95 | 4.98 | 2451304 | 10281.724674 | | | 2 |
| 5.14 | 5.16 | 5.18 | 3339262 | 11519.755922 | | | 3 |
| 5.37 | 5.39 | 5.41 | 1311607 | 8177.76462 | | | 4 |
| 5.61 | 5.62 | 5.65 | 4592609 | 9192.207498 | | | 5 |
| 5.81 | 5.83 | 5.85 | 2925563 | 8624.952841 | | | 6 |
| Height Summation: | | | **16671760** | | | | |
| Amount Avg CF: | | | **9416.04787** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 35.83 | |
| 5.21 | 5.23 | 5.25 | 1401392 | 4589.707995 | | | 1 |
| 5.37 | 5.39 | 5.41 | 1311607 | 6017.548902 | | | 2 |
| 5.61 | 5.62 | 5.65 | 4592609 | 7917.42353 | | | 3 |
| 5.81 | 5.83 | 5.85 | 2925563 | 6497.841466 | | | 4 |
| 5.87 | 5.88 | 5.91 | 528183.4 | 2328.562734 | | | 5 |
| 6.24 | 6.25 | 6.28 | 1080606 | 4771.56216 | | | 6 |
| Height Summation: | | | **11839960.4** | | | | |
| Amount Avg CF: | | | **5353.774464** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 96.87 | |
| 5.81 | 5.83 | 5.85 | 2925563 | 3355.632792 | | | 1 |
| 5.87 | 5.88 | 5.91 | 528183.4 | 687.476066 | | | 2 |
| 6.00 | 6.02 | 6.04 | 34196.73 | 50.308355 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 94100.99 | 554.454739 | | | 4 |
| 6.06 | 6.10 | 6.10 | 523503.5 | 3084.547746 | | | 4 |
| 6.23 | 6.25 | 6.27 | 1080606 | 4362.072799 | | | 5 |
| 6.43 | 6.45 | 6.47 | 188985.2 | 106.96902 | | | 6 |
| Height Summation: | | | **5281037.83** | | | | |
| Amount Avg CF: | | | **1941.167796** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0059.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 74.40 | |
| 3.38 | 3.38 | 3.42 | 64909.52 | 867.395031 | | | 1 |
| + 3.38 | 3.40 | 3.42 | 63885.33 | 853.708636 | | | 1 |
| + 3.38 | 3.41 | 3.42 | 45059.63 | 602.138163 | | | 1 |
| 3.45 | 3.47 | 3.49 | 119126.5 | 1074.664328 | | | 2 |
| 3.49 | 3.51 | 3.53 | 516856.9 | 2736.642054 | | | 3 |
| 3.61 | 3.63 | 3.65 | 347769.7 | 1549.672264 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 23705.17 | 145.94115 | | | 5 |
| 3.70 | 3.72 | 3.74 | 213471.3 | 1314.238501 | | | 5 |
| 3.84 | 3.85 | 3.88 | 1517757 | 4945.384795 | | | 6 |
| Height Summation: | | | **2779890.92** | | | | |
| Amount Avg CF: | | | **2081.332829** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 67.96 | |
| 4.19 | 4.21 | 4.23 | 2013418 | 4350.156292 | | | 1 |
| 4.28 | 4.30 | 4.32 | 3124102 | 13962.166829 | | | 2 |
| 4.35 | 4.37 | 4.39 | 1278880 | 4954.360508 | | | 3 |
| 4.42 | 4.44 | 4.46 | 4091451 | 22321.772256 | | | 4 |
| 4.57 | 4.59 | 4.61 | 950527.8 | 4756.637351 | | | 5 |
| 4.65 | 4.67 | 4.69 | 4594967 | 13828.298354 | | | 6 |
| Height Summation: | | | **16053345.8** | | | | |
| Amount Avg CF: | | | **10695.565265** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 16.46 | |
| 4.42 | 4.44 | 4.46 | 4091451 | 9751.815444 | | | 1 |
| 4.52 | 4.54 | 4.56 | 2548389 | 8093.045839 | | | 2 |
| 4.65 | 4.67 | 4.69 | 4594967 | 11549.538568 | | | 3 |
| 4.87 | 4.89 | 4.91 | 1975744 | 7240.73235 | | | 4 |
| 5.06 | 5.08 | 5.10 | 5616561 | 8768.908571 | | | 5 |
| 5.32 | 5.34 | 5.36 | 3691747 | 8814.338315 | | | 6 |
| Height Summation: | | | **22518859** | | | | |
| Amount Avg CF: | | | **9036.396515** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.31 | |
| 4.68 | 4.70 | 4.72 | 1583574 | 3666.469563 | | | 1 |
| 4.87 | 4.89 | 4.91 | 1975744 | 4666.728719 | | | 2 |
| 5.06 | 5.08 | 5.10 | 5616561 | 6642.631051 | | | 3 |
| 5.28 | 5.30 | 5.32 | 974998.5 | 2832.055132 | | | 4 |
| 5.33 | 5.34 | 5.36 | 3691747 | 6617.402977 | | | 5 |
| 5.71 | 5.72 | 5.74 | 1439432 | 4391.534885 | | | 6 |
| Height Summation: | | | **15282056.5** | | | | |
| Amount Avg CF: | | | **4802.803721** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.80 | |
| 5.28 | 5.30 | 5.32 | 974998.5 | 991.136595 | | | 1 |
| 5.33 | 5.34 | 5.36 | 3691747 | 3982.452521 | | | 2 |
| 5.48 | 5.50 | 5.52 | 100235.9 | 114.599716 | | | 3 |
| 5.55 | 5.57 | 5.59 | 24491.19 | 107.863265 | | | 4 |
| 5.70 | 5.72 | 5.74 | 1439432 | 3929.1548 | | | 5 |
| 5.90 | 5.92 | 5.94 | 293158.8 | 102.059583 | | | 6 |
| Height Summation: | | | **6524063.39** | | | | |
| Amount Avg CF: | | | **1537.877747** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: 9229486** MSD ACF DF50 99A15 Sample ID: AC **Batchnumber: 172820028A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATG99 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0059.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 06:05:34
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0059.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2507.3747 | 486.7257 | | 19.52 | 4 | 40 | |
| Aroclor-1221 | | | 2507.3747 | 752.2124 | | 37.27 | 3 | 40 | |
| Aroclor-1232 | | | 2507.3747 | 604.7198 | | 22.75 | 4 | 40 | |
| Aroclor-1242 | | | 2507.3747 | 604.7198 | | 20.10 | 4 | 40 | |
| Aroclor-1248 | | | 2507.3747 | 486.7257 | | 16.58 | 4 | 40 | |
| Aroclor-1254 | | | 2507.3747 | 648.9676 | | 30.36 | 4 | 40 | |
| Aroclor-1260 | | | 2507.3747 | 575.2213 | | 4.11 | 4 | 40 | |
| Aroclor-1262 | | | 2507.3747 | 486.7257 | | 10.85 | 4 | 40 | |
| Aroclor-1268 | | | 2507.3747 | 486.7257 | | 23.18 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:05:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0059.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.522 | | 6379 | 10218 |
| 1.581 | | 77447 | 79939 |
| 1.611 | | 26195 | 28487 |
| 1.638 | | 32434 | 52444 |
| 1.661 | | 30529 | 32841 |
| 1.687 | | 40526 | 40591 |
| 1.737 | | 34534 | 61738 |
| 1.755 | | 30972 | 50375 |
| 1.788 | | 21181 | 15152 |
| 1.814 | | 17140 | 13211 |
| 1.835 | | 28587 | 21530 |
| 1.861 | | 20956 | 20239 |
| 1.886 | | 23353 | 38319 |
| 1.926 | | 26499 | 20047 |
| 1.946 | | 30159 | 26988 |
| 1.968 | | 18633 | 12120 |
| 1.993 | | 34414 | 26488 |
| 2.009 | | 48846 | 56053 |
| 2.031 | | 42161 | 34085 |
| 2.057 | | 51681 | 72470 |
| 2.079 | | 41143 | 55738 |
| 2.116 | | 58065 | 100746 |
| 2.138 | | 48706 | 45138 |
| 2.157 | | 55753 | 89450 |
| 2.208 | | 93787 | 85522 |
| 2.231 | | 50628 | 44866 |
| 2.284 | | 42714 | 81752 |
| 2.32 | | 53878 | 47276 |
| 2.335 | | 30499 | 15547 |
| 2.353 | | 27375 | 17435 |
| 2.395 | | 53098 | 84903 |
| 2.435 | | 27775 | 32800 |
| 2.456 | | 30082 | 39593 |
| 2.489 | | 7165 | 4467 |
| 2.525 | | 13009 | 10903 |
| 2.546 | | 15756 | 10008 |
| 2.575 | | 35751 | 52762 |
| 2.616 | | 11149 | 9627 |
| 2.637 | | 24411 | 24877 |
| 2.658 | | 59627 | 30869 |
| 2.675 | | 5446 | 3230 |
| 2.698 | | 6228 | 3675 |
| 2.714 | | 18889 | 15874 |
| 2.743 | | 29442 | 24765 |
| 2.761 | | 16892 | 21218 |
| 2.794 | | 12176 | 5649 |
| 2.811 | | 25930 | 21018 |
| 2.839 | | 10448 | 7165 |
| 2.897 | | 36299 | 41058 |
| 2.937 | TCX | 156658 | 106919 |
| 2.986 | | 14055 | 12431 |
| 3.015 | | 23303 | 25195 |
| 3.054 | | 9436 | 10632 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.087 | | 4447 | 3933 |
| 3.102 | | 11105 | 6003 |
| 3.122 | | 13863 | 10550 |
| 3.145 | | 20701 | 11500 |
| 3.165 | | 6990 | 3358 |
| 3.188 | | 57233 | 48276 |
| 3.216 | | 8645 | 4576 |
| 3.255 | | 95164 | 87879 |
| 3.281 | | 29830 | 21095 |
| 3.301 | | 4663 | 1404 |
| 3.314 | | 6717 | 3321 |
| 3.334 | | 7796 | 4219 |
| 3.356 | | 12371 | 11037 |
| 3.381 | | 11644 | 6769 |
| 3.402 | | 63723 | 35829 |
| 3.419 | | 34839 | 19478 |
| 3.472 | | 2389 | 980 |
| 3.516 | | 66378 | 46609 |
| 3.546 | | 8781 | 5473 |
| 3.579 | | 11299 | 15316 |
| 3.624 | | 14046 | 7313 |
| 3.638 | | 12211 | 7016 |
| 3.681 | | 35277 | 21523 |
| 3.692 | | 100112 | 73115 |
| 3.731 | | 99027 | 92031 |
| 3.768 | | 2934 | 2350 |
| 3.788 | | 85761 | 76763 |
| 3.83 | | 34334 | 26157 |
| 3.857 | | 389110 | 279887 |
| 3.883 | | 270398 | 179826 |
| 3.905 | | 211578 | 136262 |
| 3.926 | | 5192 | 3044 |
| 3.946 | | 3547 | 4480 |
| 3.979 | | 260849 | 186945 |
| 4.003 | | 92864 | 61489 |
| 4.035 | | 123785 | 84551 |
| 4.068 | | 185506 | 168190 |
| 4.108 | | 43737 | 37272 |
| 4.141 | | 22345 | 21498 |
| 4.171 | | 16233 | 10234 |
| 4.193 | | 55548 | 44872 |
| 4.228 | | 892271 | 619455 |
| 4.246 | | 208646 | 107568 |
| 4.271 | | 434051 | 357803 |
| 4.339 | | 342007 | 288288 |
| 4.382 | | 1475341 | 1472825 |
| 4.416 | | 554261 | 462349 |
| 4.456 | | 57608 | 39979 |
| 4.478 | | 86494 | 61784 |
| 4.52 | | 425088 | 382903 |
| 4.57 | | 549035 | 387486 |
| 4.586 | | 98354 | 46377 |
| 4.631 | | 1813372 | 1593582 |
| 4.68 | | 891547 | 945347 |
| 4.716 | | 294452 | 202954 |
| 4.756 | | 2051415 | 1899554 |
| 4.803 | | 142900 | 121111 |
| 4.843 | | 1083957 | 1025565 |
| 4.875 | | 28473 | 17550 |
| 4.902 | | 458832 | 438422 |
| 4.955 | | 2451304 | 3019326 |
| 5.006 | | 362899 | 324746 |
| 5.044 | | 1176727 | 1344981 |
| 5.088 | | 81556 | 53923 |
| 5.126 | | 248191 | 320049 |
| 5.159 | | 3339263 | 2967899 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.182 | | 189098 | 93745 |
| 5.202 | | 71725 | 33679 |
| 5.226 | | 1401392 | 1271698 |
| 5.268 | | 978639 | 915028 |
| 5.364 | | 491745 | 393596 |
| 5.388 | | 1311607 | 1081234 |
| 5.445 | | 778213 | 725053 |
| 5.483 | | 525323 | 525878 |
| 5.526 | | 86777 | 98748 |
| 5.567 | | 719860 | 733806 |
| 5.598 | | 33059 | 21843 |
| 5.625 | | 4592609 | 4716890 |
| 5.729 | | 22039 | 21974 |
| 5.776 | | 4731 | 5293 |
| 5.829 | | 2925563 | 2723905 |
| 5.86 | | 226739 | 165070 |
| 5.882 | | 528183 | 604916 |
| 5.972 | | 5760 | 4159 |
| 5.995 | | 46299 | 35863 |
| 6.018 | | 34197 | 26439 |
| 6.071 | | 94101 | 71569 |
| 6.098 | | 523504 | 476250 |
| 6.162 | | 14972 | 16406 |
| 6.195 | | 2572 | 1440 |
| 6.226 | | 5619 | 3881 |
| 6.252 | | 1080606 | 1029894 |
| 6.298 | | 66727 | 61190 |
| 6.337 | | 1941 | 1945 |
| 6.392 | | 2469 | 1473 |
| 6.453 | | 188985 | 177607 |
| 6.519 | | 2847 | 739 |
| 6.538 | | 1412 | 448 |
| 6.563 | | 4266 | 4197 |
| 6.599 | DCB | 138864 | 133050 |
| 6.664 | | 2674 | 2276 |
| 6.69 | | 1556 | 578 |
| 6.768 | | 3375 | 4178 |
| 6.799 | | 2144 | 2008 |
| 6.85 | | 2204 | 1772 |
| 6.942 | | 1148 | 446 |
| 6.982 | | 1676 | 805 |
| 7.02 | | 1113 | 263 |
| 7.05 | | 1225 | 357 |
| 7.102 | | 1412 | 1257 |
| 7.124 | | 1085 | 352 |
| 7.154 | | 2006 | 2609 |
| 7.176 | | 1445 | 789 |
| 7.204 | | 2343 | 2074 |
| 7.242 | | 1441 | 688 |
| 7.27 | | 2956 | 2792 |
| 7.413 | | 2766 | 6644 |
| 7.438 | | 1220 | 585 |
| 7.464 | | 1201 | 533 |
| 7.524 | | 1697 | 694 |
| 7.613 | | 1473 | 799 |
| 7.642 | | 1426 | 830 |
| 7.733 | | 1456 | 2208 |
| 7.775 | | 2192 | 1645 |
| 7.825 | | 928 | 699 |
| 7.849 | | 1375 | 481 |
| 7.947 | | 8249 | 12317 |
| 8.03 | | 1377 | 2279 |
| 8.171 | | 1351 | 518 |
| 8.194 | | 1278 | 448 |
| 8.256 | | 1356 | 1492 |
| 8.31 | | 1513 | 1007 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 8.429 | | 1465 | 912 |
| 8.457 | | 1693 | 648 |
| 8.501 | | 2051 | 1235 |
| 8.546 | | 1841 | 1428 |

LANCASTER LABORATORIES

Sample Number: 9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:05:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0059.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

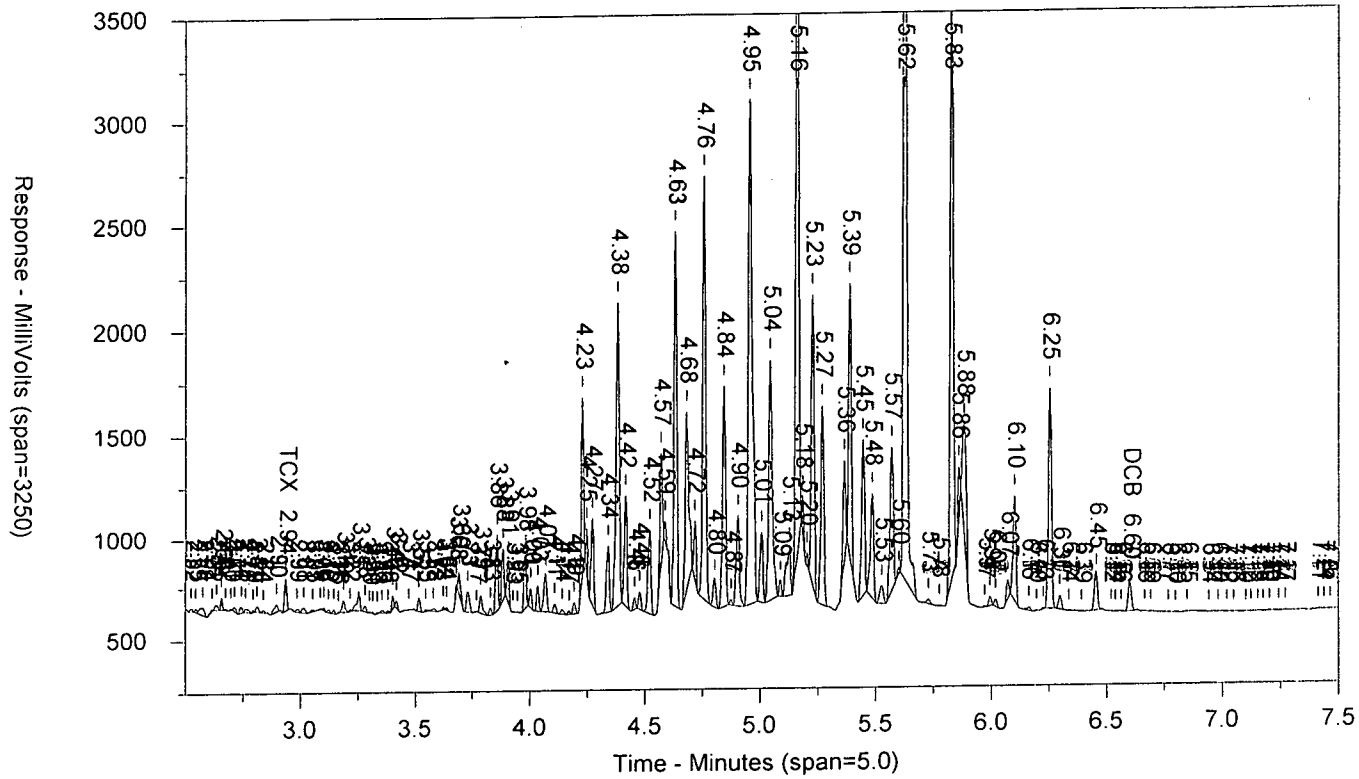
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.505 | | 5431 | 3037 |
| 1.528 | | 9024 | 5645 |
| 1.555 | | 19847 | 21549 |
| 1.584 | | 17418 | 19173 |
| 1.619 | | 25007 | 44915 |
| 1.647 | | 19344 | 19153 |
| 1.688 | | 24902 | 35130 |
| 1.71 | | 26062 | 36451 |
| 1.742 | | 22321 | 22553 |
| 1.769 | | 31772 | 34795 |
| 1.816 | | 30626 | 77585 |
| 1.853 | | 34979 | 41777 |
| 1.878 | | 31450 | 25405 |
| 1.902 | | 29775 | 31344 |
| 1.931 | | 106081 | 98526 |
| 1.958 | | 30626 | 31378 |
| 1.978 | | 27369 | 30524 |
| 2 | | 15808 | 8678 |
| 2.025 | | 21922 | 21259 |
| 2.045 | | 19662 | 17070 |
| 2.077 | | 22831 | 37703 |
| 2.142 | | 17267 | 17244 |
| 2.166 | | 7147 | 4044 |
| 2.187 | | 3959 | 2079 |
| 2.206 | | 10893 | 5732 |
| 2.225 | | 8207 | 9270 |
| 2.267 | | 7613 | 7944 |
| 2.285 | | 7270 | 3530 |
| 2.297 | | 7545 | 2970 |
| 2.34 | | 105261 | 69945 |
| 2.407 | | 2756 | 1083 |
| 2.42 | | 7566 | 5114 |
| 2.44 | | 6434 | 3355 |
| 2.466 | | 10962 | 6697 |
| 2.516 | | 15868 | 18752 |
| 2.542 | | 3446 | 1618 |
| 2.566 | | 3734 | 1700 |
| 2.591 | TCX | 223703 | 145515 |
| 2.624 | | 4983 | 2239 |
| 2.652 | | 6143 | 2965 |
| 2.682 | | 9937 | 12664 |
| 2.709 | | 3210 | 1857 |
| 2.763 | | 16162 | 9254 |
| 2.788 | | 6687 | 3516 |
| 2.81 | | 4662 | 3665 |
| 2.824 | | 11041 | 5821 |
| 2.847 | | 4144 | 2137 |
| 2.876 | | 38595 | 17342 |
| 2.888 | | 74201 | 38847 |
| 2.921 | | 4762 | 3561 |
| 2.949 | | 11061 | 6558 |
| 2.987 | | 18339 | 19377 |
| 3.021 | | 3480 | 1622 |
| 3.05 | | 6276 | 5271 |

| | | |
|---|---|---|
| 3.084 | 73174 | 35596 |
| 3.095 | 27250 | 11559 |
| 3.135 | 12386 | 8858 |
| 3.159 | 6070 | 3610 |
| 3.18 | 6963 | 3644 |
| 3.205 | 135036 | 97587 |
| 3.243 | 11407 | 10092 |
| 3.289 | 29555 | 15715 |
| 3.303 | 11783 | 5329 |
| 3.333 | 3776 | 2160 |
| 3.354 | 51171 | 24420 |
| 3.363 | 147642 | 65516 |
| 3.383 | 64910 | 30000 |
| 3.396 | 63885 | 28656 |
| 3.412 | 45060 | 21174 |
| 3.47 | 119127 | 79851 |
| 3.506 | 516857 | 319892 |
| 3.528 | 374559 | 206714 |
| 3.546 | 310174 | 171151 |
| 3.581 | 7882 | 5718 |
| 3.631 | 347770 | 224471 |
| 3.654 | 130261 | 70192 |
| 3.674 | 176069 | 117167 |
| 3.703 | 23705 | 11132 |
| 3.719 | 213471 | 138805 |
| 3.76 | 68786 | 48024 |
| 3.801 | 44380 | 36839 |
| 3.831 | 115026 | 64323 |
| 3.852 | 1517757 | 994227 |
| 3.877 | 306901 | 173545 |
| 3.896 | 232349 | 128235 |
| 3.916 | 359755 | 235230 |
| 3.951 | 1761764 | 1239722 |
| 3.982 | 605839 | 374838 |
| 3.999 | 223422 | 113417 |
| 4.021 | 63125 | 34801 |
| 4.06 | 124848 | 103882 |
| 4.094 | 477751 | 344471 |
| 4.115 | 25220 | 14188 |
| 4.15 | 960626 | 709802 |
| 4.191 | 284947 | 284098 |
| 4.21 | 2013419 | 2057492 |
| 4.249 | 507459 | 500605 |
| 4.301 | 3124102 | 2439655 |
| 4.338 | 186460 | 160448 |
| 4.371 | 1278880 | 873908 |
| 4.395 | 753038 | 552531 |
| 4.438 | 4091451 | 3185321 |
| 4.491 | 13042 | 8591 |
| 4.539 | 2548389 | 2701277 |
| 4.589 | 950528 | 834706 |
| 4.63 | 903822 | 787860 |
| 4.666 | 4594967 | 3841604 |
| 4.699 | 1583575 | 1112074 |
| 4.737 | 1222961 | 981060 |
| 4.808 | 21181 | 22320 |
| 4.836 | 282728 | 200116 |
| 4.852 | 111500 | 64302 |
| 4.886 | 1975744 | 1509077 |
| 4.909 | 559272 | 381663 |
| 4.96 | 1225426 | 1105643 |
| 4.995 | 639242 | 516661 |
| 5.026 | 495902 | 388681 |
| 5.058 | 411605 | 253564 |
| 5.081 | 5616561 | 4643960 |
| 5.121 | 120933 | 88980 |
| 5.152 | 167262 | 138292 |

| | | | |
|---|---|---|---|
| 5.273 | | 53267 | 33368 |
| 5.296 | | 974999 | 829803 |
| 5.34 | | 3691747 | 3895846 |
| 5.409 | | 10099 | 8226 |
| 5.495 | | 100236 | 85544 |
| 5.543 | | 144665 | 111542 |
| 5.565 | | 24491 | 14370 |
| 5.588 | | 74072 | 48207 |
| 5.614 | | 612802 | 517005 |
| 5.655 | | 5973 | 6631 |
| 5.696 | | 14839 | 8609 |
| 5.723 | | 1439432 | 1232045 |
| 5.755 | | 86433 | 64494 |
| 5.799 | | 3884 | 3179 |
| 5.923 | | 293159 | 262631 |
| 5.988 | | 2878 | 2995 |
| 6.083 | DCB | 224824 | 204360 |
| 6.12 | | 13014 | 12979 |
| 6.167 | | 1942 | 2331 |
| 6.255 | | 6785 | 4359 |
| 6.281 | | 26595 | 21544 |
| 6.417 | | 1897 | 1410 |
| 6.449 | | 3914 | 4454 |
| 6.507 | | 3312 | 6108 |
| 6.561 | | 2460 | 3663 |
| 6.618 | | 3218 | 3800 |
| 6.729 | | 2102 | 1735 |
| 6.767 | | 2544 | 3915 |
| 6.843 | | 1490 | 1489 |
| 6.982 | | 4270 | 4219 |
| 7.13 | | 1195 | 2687 |
| 7.292 | | 1236 | 3260 |
| 7.511 | | 15936 | 20755 |
| 7.715 | | 2682 | 2776 |
| 8.06 | | 6387 | 11102 |
| 8.162 | | 9664 | 18050 |
| 8.363 | | 9055 | 15474 |

9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 80

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0059.RAW

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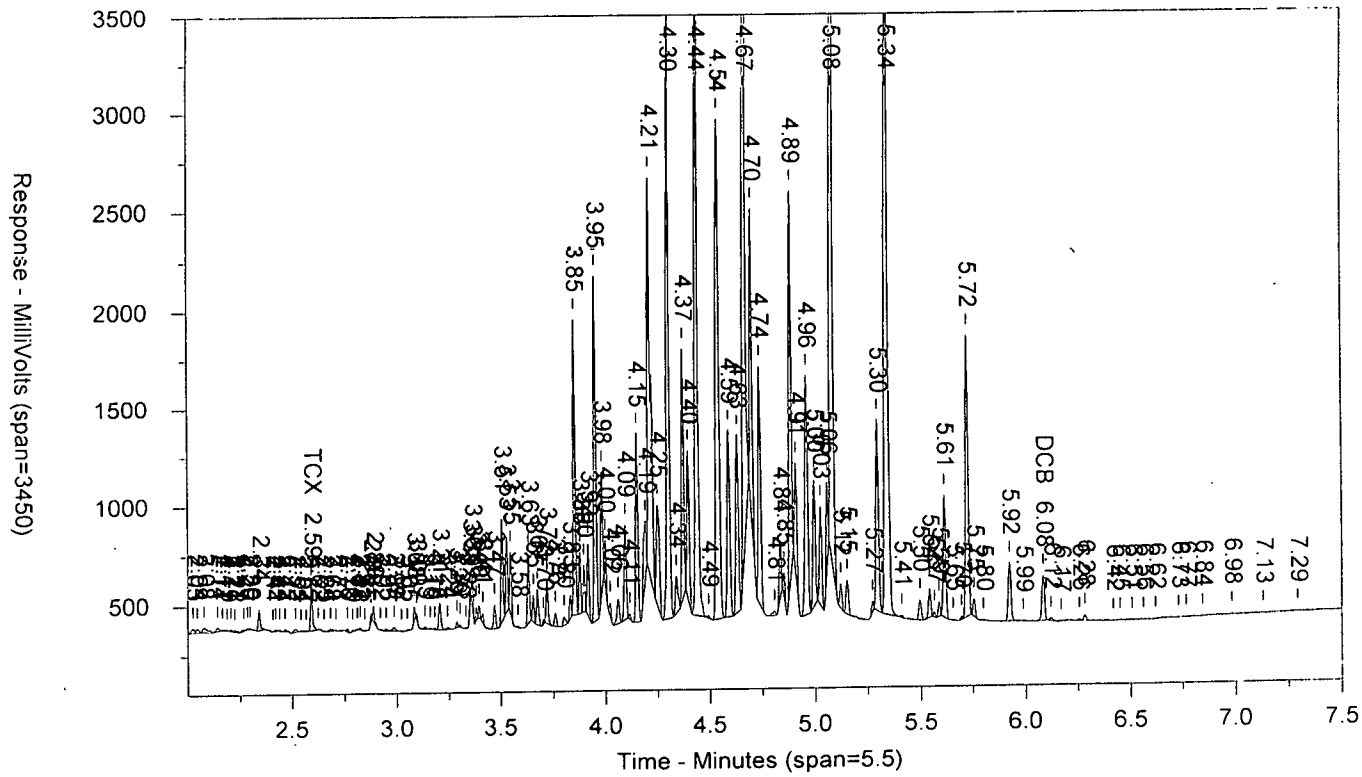


LANCASTER LABORATORIES

Sample Number: 9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 6:05:34 AM
Sample Weight: 10.17
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

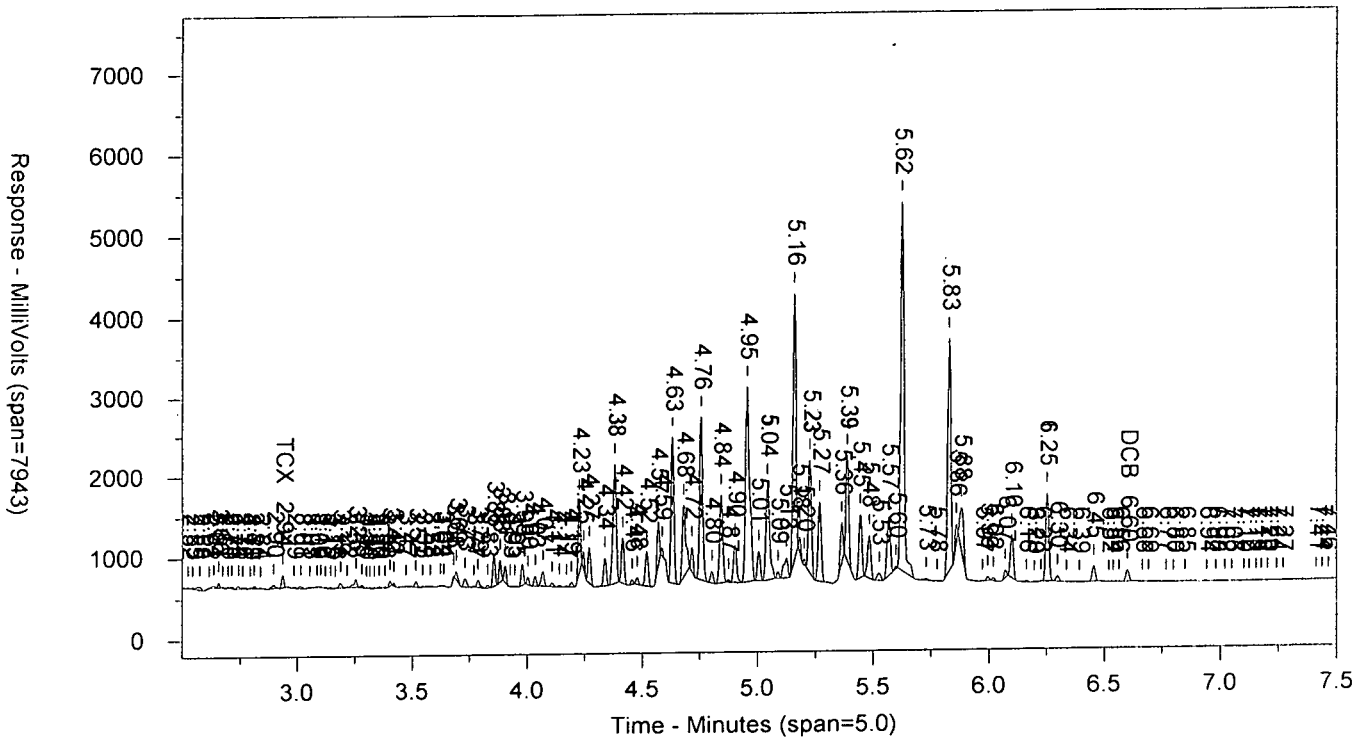
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.937 | 156658 | 28.097 | TCX | 2.591 | 223703 | 26.532 | TCX |
| 6.599 | 138864 | 33.834 | DCB | 6.083 | 224824 | 29.199 | DCB |

Files:
Area File: 07PCBS17284001.0059.RAW
Area File: 07PCBS17284001B.0059.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:43 AM
File Reported On: 10/12/2017 at 9:33:30 AM

9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0059.RAW

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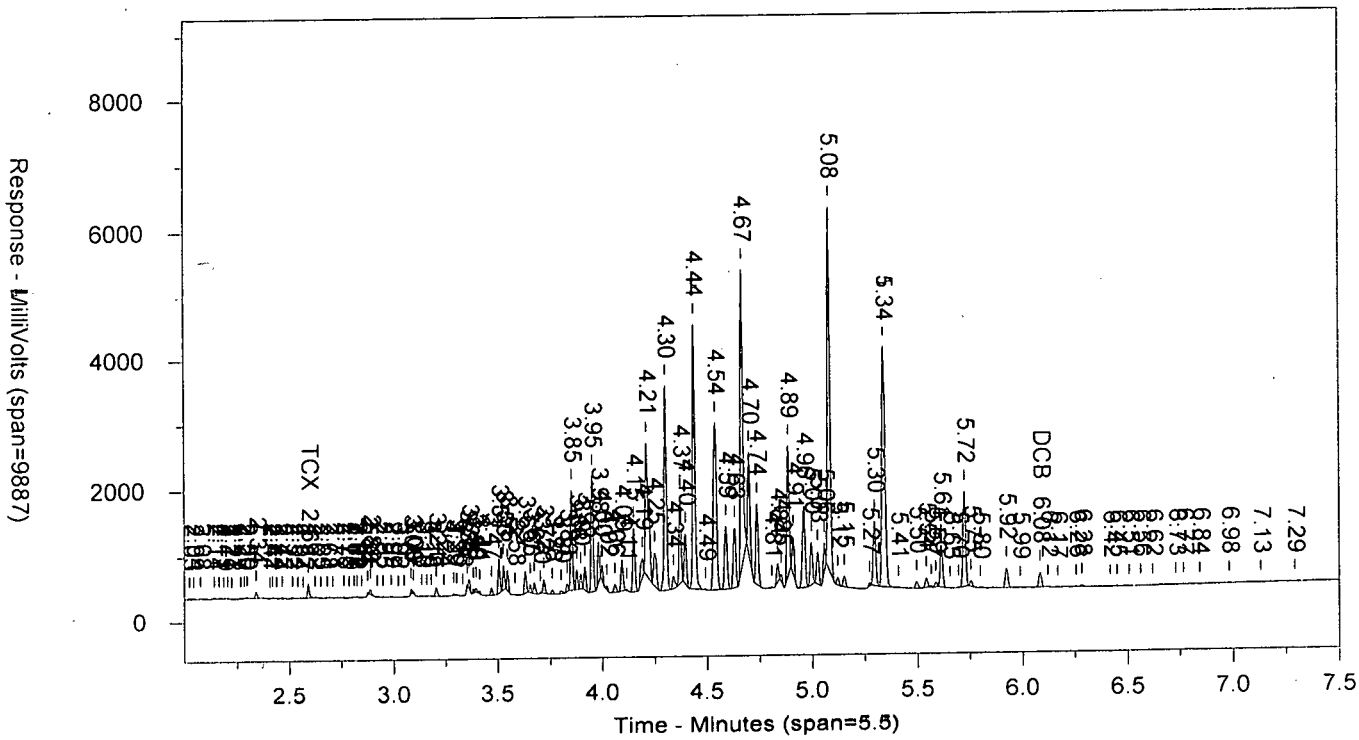
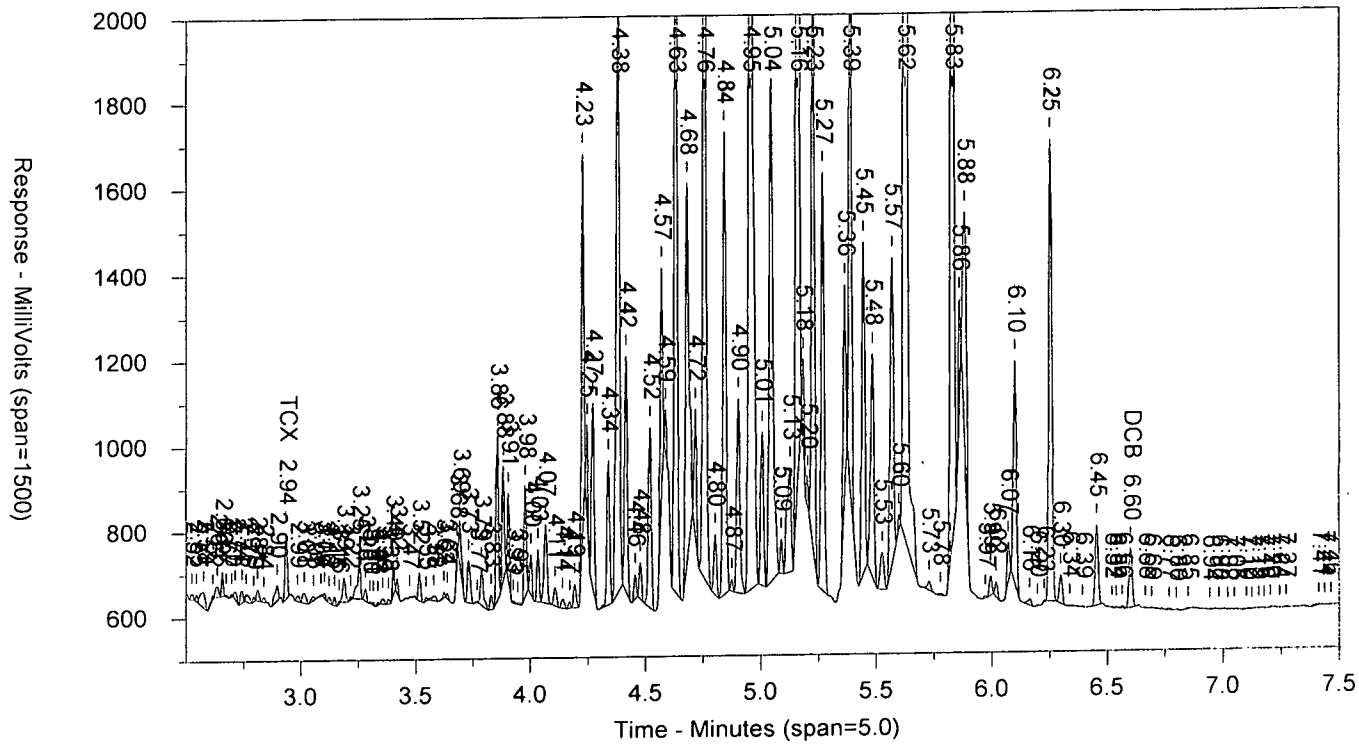


9229486MSD ACF DF50AC99A15 MSD 172820028A 10225 SW-846 80

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0059.RAW

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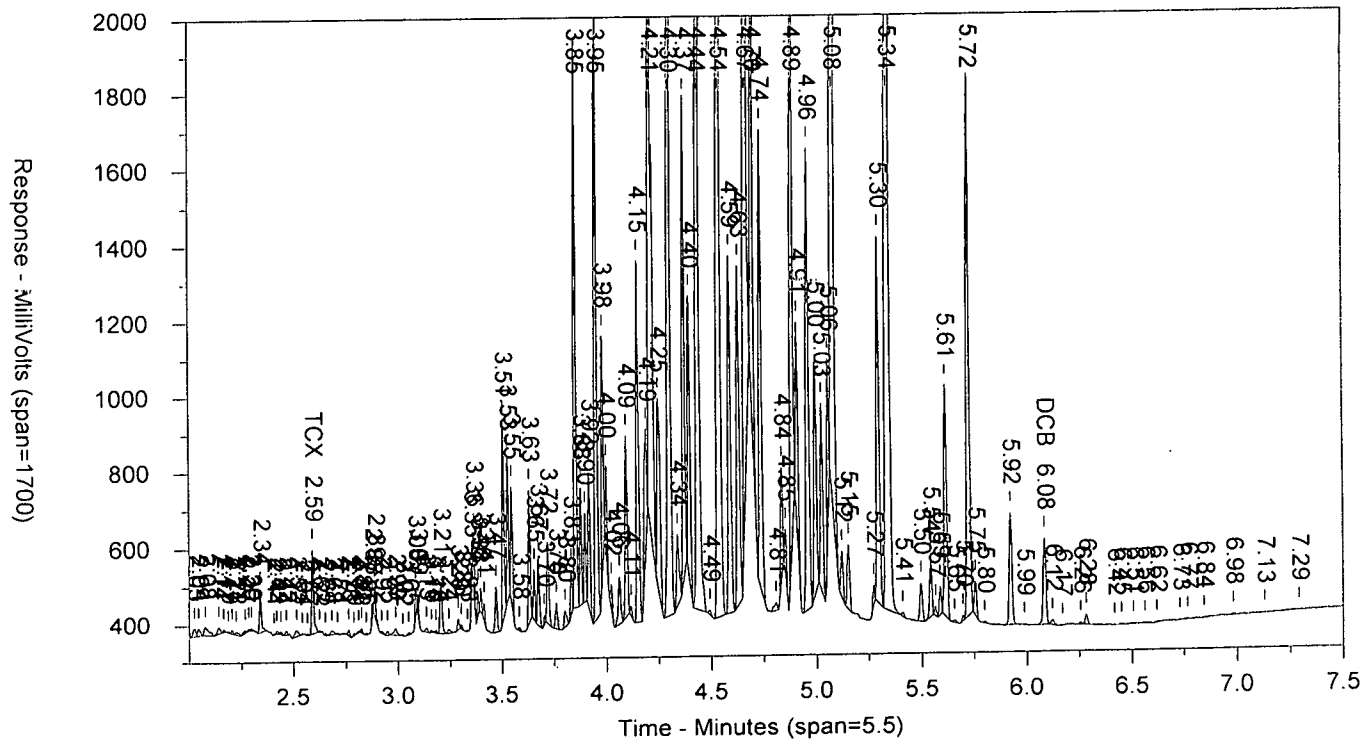

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# Data Summary

**Sample Name: LCSA** 10/9/17 ACF LCS28282 LCS Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:00:16 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0048.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

%SSR(TCX) 98% ( 61 - 152 ) Conc: 29.95698
%SSR(DCB) 83% ( 48 - 164 ) Conc: 22.5966

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:00:16 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0048.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

%SSR(TCX) 94% ( 61 - 152 ) Conc: 28.76501
%SSR(DCB) 84% ( 48 - 164 ) Conc: 22.70096

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.91 | 2.94 | 2.97 | 8211822 | 29.95698 |
| Decachlorobiphenyl | 6.57 | 6.60 | 6.63 | 4559640 | 22.5966 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.56 | 2.59 | 2.62 | 11923890 | 28.76501 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 8593578 | 22.70096 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | A | 29.95698 | | | | 4.06 | |
| ☐ Tetrachloro-m-xylene-D1 | A | 29.95698 | | | | | |
| ☐ Tetrachloro-m-xylene-D2 | B | 28.76501 | | | | | |
| ☐ Decachlorobiphenyl | B | 22.70096 | | | | 0.46 | |
| ☐ Decachlorobiphenyl-D1 | A | 22.5966 | | | | | |
| ☐ Decachlorobiphenyl-D2 | B | 22.70096 | | | | | |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **3.04** | |
| 3.17 | 3.19 | 3.21 | 2100104 | 436.713279 | | | 1 |
| 3.38 | 3.40 | 3.42 | 2253884 | 447.089375 | | | 2 |
| 3.50 | 3.52 | 3.54 | 2695212 | 445.105317 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3436770 | 467.080909 | | | 4 |
| 3.77 | 3.79 | 3.81 | 3007000 | 464.240249 | | | 5 |
| 3.96 | 3.98 | 4.00 | 2323068 | 470.266938 | | | 6 |
| Height summation: | | | **15816038** | | | | |
| Concentration | | CF: | **455.082678** | L: | | | |
| **Aroclor-1260** | | | | | | **7.74** | |
| 4.74 | 4.76 | 4.78 | 5423873 | 467.8647 | | | 1 |
| 4.94 | 4.95 | 4.98 | 5442378 | 464.310438 | | | 2 |
| 5.14 | 5.16 | 5.18 | 7098718 | 498.108158 | | | 3 |
| 5.37 | 5.39 | 5.41 | 3439683 | 436.214652 | | | 4 |
| 5.61 | 5.62 | 5.65 | 11992720 | 488.23509 | | | 5 |
| 5.81 | 5.83 | 5.85 | 6695265 | 401.481922 | | | 6 |
| Height summation: | | | **40092637** | | | | |
| Concentration | | CF: | **459.36916** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **4.57** | |
| 2.86 | 2.88 | 2.90 | 2943239 | 420.443516 | | | 1 |
| 3.19 | 3.21 | 3.23 | 3821133 | 435.121323 | | | 2 |
| 3.38 | 3.40 | 3.42 | 4153012 | 459.530872 | | | 3 |
| 3.45 | 3.47 | 3.49 | 4459458 | 465.208094 | | | 4 |
| 3.51 | 3.53 | 3.55 | 3326715 | 460.421701 | | | 5 |
| 3.61 | 3.63 | 3.65 | 3895154 | 475.620226 | | | 6 |
| Height summation: | | | **22598711** | | | | |
| Concentration | | CF: | **452.724289** | L: | | | |
| **Aroclor-1260** | | | | | | **5.20** | |
| 4.42 | 4.44 | 4.46 | 9761506 | 473.23395 | | | 1 |
| 4.52 | 4.54 | 4.56 | 7171180 | 463.220585 | | | 2 |
| 4.65 | 4.67 | 4.69 | 10007750 | 511.646059 | | | 3 |
| 4.87 | 4.89 | 4.91 | 5881060 | 438.387721 | | | 4 |
| 5.06 | 5.08 | 5.10 | 14690220 | 466.50286 | | | 5 |
| 5.32 | 5.34 | 5.36 | 9404874 | 456.732289 | | | 6 |
| Height summation: | | | **56916590** | | | | |
| Concentration | | CF: | **468.287244** | L: | | | |

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:54

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# Data Summary

**Sample Name: LCSA** 10/9/17 ACF LCS28282 LCS Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
**Analyses:** 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:00:16 |
| **Instrument** | 19843A |
| **Result file** | 07PCBS17284001.0048.RAW |
| **Calibration file** | 07PCBS1728401 |
| **Method file** | 07PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Oct 12, 2017 04:00:16 |
| **Instrument** | 19843B |
| **Result file** | 07PCBS17284001B.0048.RAW |
| **Calibration file** | 07PCBS1728401B |
| **Method file** | 07PCBSB |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| PCB-1016 | A | 455.082678 | 51 | 9.9 | | 0.52 | 4 | |
| PCB-1221 | | | <51 | <15.3 | | | 3 | |
| PCB-1232 | | | <51 | <12.3 | | | 4 | |
| PCB-1242 | | | <51 | <12.3 | | | 4 | |
| PCB-1248 | | | <51 | <9.9 | | | 4 | |
| PCB-1254 | | | <51 | <13.2 | | | 4 | |
| PCB-1260 | B | 468.287244 | 51 | 11.7 | | 1.92 | 4 | |
| PCB-1262 | | | <51 | <9.9 | | | 4 | |
| PCB-1268 | | | <51 | <9.9 | | | 4 | |
| Total PCBs | A | 923.369922 | 51 | 9.9 | | | | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 08:57:54

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA 10**/9/17 ACF LCS28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:00:16
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0048.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

DCB Com

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 3.04 | |
| 3.17 | 3.19 | 3.21 | 2100104 | 436.713279 | | | 1 |
| 3.38 | 3.40 | 3.42 | 2253884 | 447.089375 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 1130613 | 224.272882 | | | 2 |
| 3.50 | 3.52 | 3.54 | 2695212 | 445.105317 | | | 3 |
| 3.71 | 3.73 | 3.75 | 3436770 | 467.080909 | | | 4 |
| 3.77 | 3.79 | 3.81 | 3007000 | 464.240249 | | | 5 |
| 3.96 | 3.98 | 4.00 | 2323068 | 470.266938 | | | 6 |
| Height Summation: | | | **15816038** | | | | |
| Amount Avg CF: | | | **455.082678** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 38.62 | |
| 3.07 | 3.08 | 3.11 | 341847.9 | 137.942799 | | | 1 |
| E 3.12 | 3.14 | 3.16 | 492923.7 | 226.890425 | | | 2 |
| E 3.17 | 3.19 | 3.21 | 2100104 | 312.274188 | | | 3 |
| Height Summation: | | | **2934875.6** | | | | |
| Amount Avg CF: | | | **225.702471** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 31.35 | |
| E 3.17 | 3.19 | 3.21 | 2100104 | 375.773892 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 2253884 | 992.82195 | | | 2 |
| E+ 3.38 | 3.42 | 3.42 | 1130613 | 498.028028 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 2695212 | 977.597875 | | | 3 |
| E 3.71 | 3.73 | 3.75 | 3436770 | 1029.570816 | | | 4 |
| E 3.77 | 3.79 | 3.81 | 3007000 | 1101.771004 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 2323068 | 1241.008665 | | | 6 |
| Height Summation: | | | **15816038** | | | | |
| Amount Avg CF: | | | **953.0907** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 3.99 | |
| E 3.17 | 3.19 | 3.21 | 2100104 | 313.762589 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 2253884 | 332.896489 | | | 2 |
| + 3.38 | 3.42 | 3.42 | 1130613 | 166.990448 | | | 2 |
| E 3.50 | 3.52 | 3.54 | 2695212 | 334.18748 | | | 3 |
| E 3.71 | 3.73 | 3.75 | 3436770 | 340.286555 | | | 4 |
| E 3.77 | 3.79 | 3.81 | 3007000 | 347.036285 | | | 5 |
| E 3.96 | 3.98 | 4.00 | 2323068 | 352.063748 | | | 6 |
| Height Summation: | | | **15816038** | | | | |
| Amount Avg CF: | | | **336.705524** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 69.76 | |
| E 3.71 | 3.73 | 3.75 | 3436770 | 1047.908309 | | | 1 |
| 3.77 | 3.79 | 3.81 | 3007000 | 837.972663 | | | 2 |
| 3.84 | 3.86 | 3.88 | 2118310 | 344.820326 | | | 3 |
| 3.96 | 3.98 | 4.00 | 2323068 | 337.090844 | | | 4 |
| 4.05 | 4.07 | 4.09 | 2643946 | 423.825904 | | | 5 |
| 4.23 | 4.25 | 4.27 | 601528.9 | 86.760028 | | | 6 |
| Height Summation: | | | **14130622.9** | | | | |
| Amount Avg CF: | | | **513.063012** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:00:16
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0048.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 4.57 | |
| 2.86 | 2.88 | 2.90 | 2943239 | 420.443516 | | | 1 |
| 3.19 | 3.21 | 3.23 | 3821133 | 435.121323 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 132599 | 14.672082 | | | 3 |
| 3.38 | 3.40 | 3.42 | 4153012 | 459.530872 | | | 3 |
| 3.45 | 3.47 | 3.49 | 4459458 | 465.208094 | | | 4 |
| 3.51 | 3.53 | 3.55 | 3326715 | 460.421701 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 1011440 | 139.984617 | | | 5 |
| 3.61 | 3.63 | 3.65 | 3895154 | 475.620226 | | | 6 |
| Height Summation: | | | **22598711** | | | | |
| Amount Avg CF: | | | **452.724289** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 37.32 | |
| 2.74 | 2.76 | 2.78 | 552014.7 | 131.655461 | | | 1 |
| + 2.80 | 2.81 | 2.84 | 90720.98 | 34.772512 | | | 2 |
| E 2.80 | 2.82 | 2.84 | 580357.6 | 222.445697 | | | 2 |
| E 2.86 | 2.88 | 2.90 | 2943239 | 291.887131 | | | 3 |
| Height Summation: | | | **4075611.3** | | | | |
| Amount Avg CF: | | | **215.32943** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 32.29 | |
| E 2.86 | 2.88 | 2.90 | 2943239 | 363.481624 | | | 1 |
| E 3.19 | 3.21 | 3.23 | 3821133 | 950.475201 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 132599 | 32.728288 | | | 3 |
| E 3.38 | 3.40 | 3.42 | 4153012 | 1025.052763 | | | 3 |
| E 3.45 | 3.47 | 3.49 | 4459458 | 1088.799264 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 3326715 | 1200.435731 | | | 5 |
| E+ 3.51 | 3.55 | 3.55 | 1011440 | 364.975273 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 3895154 | 1201.647824 | | | 6 |
| Height Summation: | | | **22598711** | | | | |
| Amount Avg CF: | | | **971.648735** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 7.02 | |
| E 2.86 | 2.88 | 2.90 | 2943239 | 296.230141 | | | 1 |
| E 3.19 | 3.21 | 3.23 | 3821133 | 314.705829 | | | 2 |
| + 3.38 | 3.38 | 3.42 | 132599 | 10.92987 | | | 3 |
| E 3.38 | 3.40 | 3.42 | 4153012 | 342.32447 | | | 3 |
| E 3.45 | 3.47 | 3.49 | 4459458 | 335.707258 | | | 4 |
| E 3.51 | 3.53 | 3.55 | 3326715 | 353.961958 | | | 5 |
| + 3.51 | 3.55 | 3.55 | 1011440 | 107.617058 | | | 5 |
| E 3.61 | 3.63 | 3.65 | 3895154 | 355.641604 | | | 6 |
| Height Summation: | | | **22598711** | | | | |
| Amount Avg CF: | | | **333.09521** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA 10**/9/17 ACF LCS28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Oct 12, 2017 04:00:16
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0048.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 82.51 | |
| 4.21 | 4.23 | 4.25 | 2495757 | 321.31851 | | | 1 |
| + 4.21 | 4.25 | 4.25 | 601528.9 | 77.444387 | | | 1 |
| 4.32 | 4.34 | 4.36 | 432133.4 | 166.678556 | | | 2 |
| + 4.55 | 4.57 | 4.59 | 365360.3 | 42.538474 | | | 3 |
| 4.55 | 4.59 | 4.59 | 614131.9 | 71.502662 | | | 3 |
| 4.61 | 4.63 | 4.65 | 1829078 | 106.823771 | | | 4 |
| 5.02 | 5.05 | 5.06 | 2513665 | 420.241738 | | | 5 |
| 5.14 | 5.16 | 5.18 | 7098718 | 739.578357 | | | 6 |
| + 5.14 | 5.18 | 5.18 | 331991.2 | 34.588429 | | | 6 |
| Height Summation: | | | **14983483.3** | | | | |
| Amount Avg CF: | | | **304.357266** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 7.74 | |
| 4.74 | 4.76 | 4.78 | 5423873 | 467.8647 | | | 1 |
| 4.94 | 4.95 | 4.98 | 5442378 | 464.310438 | | | 2 |
| 5.14 | 5.16 | 5.18 | 7098718 | 498.108158 | | | 3 |
| 5.37 | 5.39 | 5.41 | 3439683 | 436.214652 | | | 4 |
| 5.61 | 5.62 | 5.65 | 11992720 | 488.23509 | | | 5 |
| 5.81 | 5.83 | 5.85 | 6695265 | 401.481922 | | | 6 |
| Height Summation: | | | **40092637** | | | | |
| Amount Avg CF: | | | **459.36916** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 35.49 | |
| E 5.21 | 5.23 | 5.25 | 3859842 | 257.125943 | | | 1 |
| E 5.37 | 5.39 | 5.41 | 3439683 | 320.985394 | | | 2 |
| E 5.61 | 5.62 | 5.65 | 11992720 | 420.526189 | | | 3 |
| E 5.81 | 5.83 | 5.85 | 6695265 | 302.467263 | | | 4 |
| 5.87 | 5.88 | 5.91 | 1483394 | 133.018076 | | | 5 |
| E 6.24 | 6.25 | 6.28 | 2428552 | 218.11803 | | | 6 |
| Height Summation: | | | **29899456** | | | | |
| Amount Avg CF: | | | **275.373483** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 93.59 | |
| 5.81 | 5.83 | 5.85 | 6695265 | 156.200959 | | | 1 |
| 5.87 | 5.88 | 5.91 | 1483394 | 39.271754 | | | 2 |
| 6.00 | 6.02 | 6.04 | 155174.8 | 4.64331 | | | 3 |
| + 6.06 | 6.07 | 6.10 | 131613.5 | 15.773327 | | | 4 |
| 6.06 | 6.10 | 6.10 | 1047064 | 125.486234 | | | 4 |
| 6.23 | 6.25 | 6.27 | 2428552 | 199.39942 | | | 5 |
| 6.43 | 6.45 | 6.47 | 584102.5 | 6.724659 | | | 6 |
| Height Summation: | | | **12393552.3** | | | | |
| Amount Avg CF: | | | **88.621056** | Linear: | | | |

## Analysis Report (B)

Injected on : Oct 12, 2017 04:00:16
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0048.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 61.17 | |
| + 3.38 | 3.38 | 3.42 | 132599 | 36.04124 | | | 1 |
| E 3.38 | 3.40 | 3.42 | 4153012 | 1128.814727 | | | 1 |
| 3.45 | 3.47 | 3.49 | 4459458 | 818.271599 | | | 2 |
| 3.49 | 3.51 | 3.53 | 3122854 | 336.318151 | | | 3 |
| 3.61 | 3.63 | 3.65 | 3895154 | 353.039826 | | | 4 |
| + 3.70 | 3.70 | 3.74 | 798068.2 | 99.936848 | | | 5 |
| 3.70 | 3.72 | 3.74 | 3213906 | 402.456374 | | | 5 |
| 3.84 | 3.85 | 3.88 | 4459997 | 295.585659 | | | 6 |
| Height Summation: | | | **23304381** | | | | |
| Amount Avg CF: | | | **555.747723** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 94.81 | |
| + 4.19 | 4.19 | 4.23 | 882512.3 | 38.78311 | | | 1 |
| + 4.19 | 4.21 | 4.23 | 929267.1 | 40.837808 | | | 1 |
| 4.19 | 4.22 | 4.23 | 2400480 | 105.492104 | | | 1 |
| 4.28 | 4.30 | 4.32 | 8030900 | 730.033492 | | | 2 |
| 4.35 | 4.37 | 4.39 | 798507.4 | 62.919854 | | | 3 |
| E 4.42 | 4.44 | 4.46 | 9761506 | 1083.226043 | | | 4 |
| 4.57 | 4.59 | 4.61 | 914686.3 | 93.101857 | | | 5 |
| 4.65 | 4.67 | 4.69 | 10007750 | 612.595413 | | | 6 |
| Height Summation: | | | **31913829.7** | | | | |
| Amount Avg CF: | | | **447.894794** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 5.20 | |
| 4.42 | 4.44 | 4.46 | 9761506 | 473.23395 | | | 1 |
| 4.52 | 4.54 | 4.56 | 7171180 | 463.220585 | | | 2 |
| 4.65 | 4.67 | 4.69 | 10007750 | 511.646059 | | | 3 |
| 4.87 | 4.89 | 4.91 | 5881060 | 438.387721 | | | 4 |
| 5.06 | 5.08 | 5.10 | 14690220 | 466.50286 | | | 5 |
| 5.32 | 5.34 | 5.36 | 9404874 | 456.732289 | | | 6 |
| Height Summation: | | | **56916590** | | | | |
| Amount Avg CF: | | | **468.287244** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 27.39 | |
| E 4.68 | 4.70 | 4.72 | 4828784 | 227.404183 | | | 1 |
| E 4.87 | 4.89 | 4.91 | 5881060 | 282.545531 | | | 2 |
| E 5.06 | 5.08 | 5.10 | 14690220 | 353.385642 | | | 3 |
| 5.28 | 5.30 | 5.32 | 2804740 | 165.707175 | | | 4 |
| E 5.33 | 5.34 | 5.36 | 9404874 | 342.89376 | | | 5 |
| E 5.71 | 5.72 | 5.74 | 3695641 | 229.33266 | | | 6 |
| Height Summation: | | | **41305319** | | | | |
| Amount Avg CF: | | | **266.878158** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 119.88 | |
| 5.28 | 5.30 | 5.32 | 2804740 | 57.992672 | | | 1 |
| E 5.33 | 5.34 | 5.36 | 9404874 | 206.358616 | | | 2 |
| 5.48 | 5.50 | 5.52 | 192344.9 | 4.472928 | | | 3 |
| 5.55 | 5.57 | 5.59 | 113977.2 | 10.210161 | | | 4 |
| E 5.70 | 5.72 | 5.74 | 3695641 | 205.186466 | | | 5 |
| 5.90 | 5.92 | 5.94 | 924943.6 | 6.549634 | | | 6 |
| Height Summation: | | | **17136520.7** | | | | |
| Amount Avg CF: | | | **81.79508** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: LCSA 10**/9/17 ACF LCS28282 Sample ID: AB **Batchnumber: 172820028A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:00:16 |
| Instrument | : CP 7--19843A |
| Result file | : 07PCBS17284001.0048.RAW |
| Calibration file | : 07PCBS1728401.CAL |
| Method file | : 07PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Oct 12, 2017 04:00:16 |
| Instrument | : CP 7--19843B |
| Result file | : 07PCBS17284001B.0048.RAW |
| Calibration file | : 07PCBS1728401B.CAL |
| Method file | : 07PCBSB.MET |

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | | | | 0.52 | 4 | 40 | |
| Aroclor-1221 | | | | | | 4.70 | 3 | 40 | |
| Aroclor-1232 | | | | | | 1.93 | 4 | 40 | |
| Aroclor-1242 | | | | | | 1.08 | 4 | 40 | |
| Aroclor-1248 | | | | | | 7.99 | 4 | 40 | |
| Aroclor-1254 | | | | | | 38.16 | 4 | 40 | |
| Aroclor-1260 | | | | | | 1.92 | 4 | 40 | |
| Aroclor-1262 | | | | | | 3.13 | 4 | 40 | |
| Aroclor-1268 | | | | | | 8.01 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:00:16 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0048.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 1.537 | | 6519 | 6741 |
| 1.561 | | 60446 | 58640 |
| 1.599 | | 27138 | 20484 |
| 1.641 | | 7345 | 4964 |
| 1.662 | | 5561 | 3016 |
| 1.687 | | 65369 | 67144 |
| 1.741 | | 23293 | 24360 |
| 1.765 | | 17409 | 15462 |
| 1.794 | | 4670 | 2955 |
| 1.847 | | 9202 | 9408 |
| 1.888 | | 5827 | 3923 |
| 1.915 | | 7393 | 7345 |
| 1.943 | | 7695 | 5133 |
| 1.978 | | 10144 | 10131 |
| 2.004 | | 50736 | 50396 |
| 2.052 | | 26215 | 38645 |
| 2.088 | | 27266 | 44579 |
| 2.142 | | 491716 | 354520 |
| 2.195 | | 24596 | 19968 |
| 2.209 | | 34102 | 34581 |
| 2.233 | | 29295 | 53505 |
| 2.296 | | 14710 | 17232 |
| 2.332 | | 172390 | 135025 |
| 2.375 | | 17491 | 29209 |
| 2.401 | | 623020 | 430531 |
| 2.463 | | 15362 | 17678 |
| 2.497 | | 9287 | 8761 |
| 2.523 | | 8746 | 10983 |
| 2.574 | | 20051 | 15423 |
| 2.614 | | 7138 | 6698 |
| 2.669 | | 9322 | 8392 |
| 2.706 | | 6190 | 3958 |
| 2.753 | | 101808 | 83199 |
| 2.783 | | 45492 | 35341 |
| 2.85 | | 4145 | 2370 |
| 2.879 | | 8406 | 4839 |
| 2.936 | TCX | 8211823 | 5446497 |
| 2.997 | | 5828 | 13291 |
| 3.043 | | 8666 | 6101 |
| 3.085 | | 341848 | 291722 |
| 3.141 | | 492924 | 392788 |
| 3.188 | | 2100104 | 1454942 |
| 3.264 | | 13779 | 6581 |
| 3.281 | | 274677 | 180638 |
| 3.322 | | 7496 | 5390 |
| 3.402 | | 2253884 | 1328056 |
| 3.418 | | 1130613 | 598735 |
| 3.455 | | 291113 | 164892 |
| 3.471 | | 40207 | 15468 |
| 3.482 | | 164480 | 82517 |
| 3.515 | | 2695212 | 1960058 |
| 3.552 | | 14038 | 7347 |
| 3.567 | | 11654 | 5247 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 3.591 | | 160337 | 117008 |
| 3.623 | | 675524 | 380680 |
| 3.638 | | 360783 | 179793 |
| 3.659 | | 45572 | 20115 |
| 3.681 | | 1702873 | 826965 |
| 3.692 | | 3273140 | 1559378 |
| 3.729 | | 3436770 | 2568034 |
| 3.788 | | 3007000 | 2245297 |
| 3.829 | | 243865 | 168635 |
| 3.856 | | 2118310 | 1486198 |
| 3.883 | | 1478199 | 1194584 |
| 3.905 | | 442670 | 226447 |
| 3.954 | | 2247 | 638 |
| 3.979 | | 2323068 | 1612088 |
| 4.003 | | 839014 | 560644 |
| 4.035 | | 909660 | 650496 |
| 4.067 | | 2643946 | 2349823 |
| 4.107 | | 748461 | 605328 |
| 4.153 | | 124636 | 101732 |
| 4.193 | | 160532 | 122733 |
| 4.227 | | 2495757 | 1765039 |
| 4.246 | | 601529 | 314668 |
| 4.269 | | 749352 | 560039 |
| 4.339 | | 432133 | 362373 |
| 4.381 | | 2769704 | 2549332 |
| 4.415 | | 89299 | 62475 |
| 4.454 | | 5236 | 2908 |
| 4.478 | | 23651 | 17586 |
| 4.52 | | 195275 | 170204 |
| 4.571 | | 365360 | 243810 |
| 4.587 | | 614132 | 414264 |
| 4.631 | | 1829079 | 1584388 |
| 4.679 | | 2522756 | 2777267 |
| 4.717 | | 595100 | 406336 |
| 4.756 | | 5423873 | 4830370 |
| 4.801 | | 21935 | 16222 |
| 4.842 | | 828233 | 892925 |
| 4.874 | | 49257 | 29274 |
| 4.902 | | 867534 | 813911 |
| 4.954 | | 5442378 | 6623649 |
| 5.005 | | 963506 | 884318 |
| 5.046 | | 2513665 | 2712242 |
| 5.088 | | 24132 | 12321 |
| 5.125 | | 507423 | 611057 |
| 5.159 | | 7098719 | 6240667 |
| 5.181 | | 331991 | 165613 |
| 5.201 | | 83247 | 34858 |
| 5.225 | | 3859842 | 3399403 |
| 5.268 | | 2420309 | 2185260 |
| 5.362 | | 930275 | 740647 |
| 5.388 | | 3439683 | 2954078 |
| 5.444 | | 1863695 | 1658914 |
| 5.484 | | 1061540 | 1116996 |
| 5.526 | | 204496 | 217553 |
| 5.567 | | 1455573 | 1648939 |
| 5.625 | | 11992720 | 11578200 |
| 5.712 | | 9111 | 10957 |
| 5.829 | | 6695265 | 6398536 |
| 5.86 | | 490720 | 330589 |
| 5.885 | | 1483394 | 1577866 |
| 6.019 | | 155175 | 151531 |
| 6.073 | | 131614 | 107481 |
| 6.099 | | 1047064 | 962341 |
| 6.253 | | 2428552 | 2344816 |
| 6.297 | | 164606 | 151574 |
| 6.453 | | 584103 | 580870 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.55 | | 1037 | 419 |
| 6.6 | DCB | 4559640 | 4712713 |
| 6.88 | | 2108 | 774 |
| 6.945 | | 1022 | 487 |
| 6.986 | | 2140 | 1499 |
| 7.122 | | 1230 | 341 |
| 7.329 | | 1388 | 526 |
| 7.516 | | 1076 | 634 |
| 7.844 | | 1351 | 592 |
| 7.974 | | 2047 | 427 |
| 7.991 | | 1132 | 329 |
| 8.034 | | 1345 | 343 |
| 8.123 | | 1646 | 523 |
| 8.168 | | 1409 | 809 |
| 8.292 | | 1111 | 1994 |
| 8.457 | | 1945 | 607 |
| 8.555 | | 1905 | 1380 |
| 8.667 | | 1770 | 704 |
| 8.689 | | 1546 | 454 |

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:00:16 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0048.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

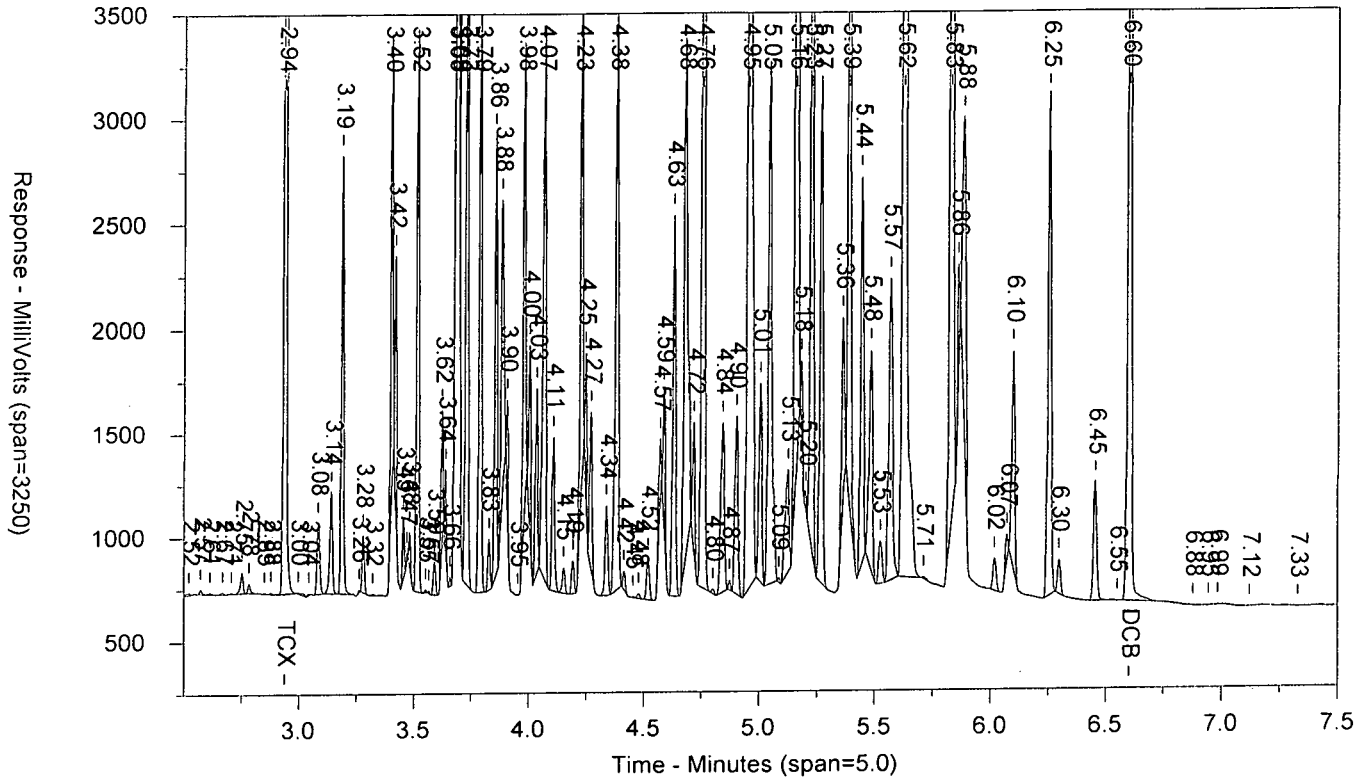
| RT B | Compound B | Height B | Area A |
|---|---|---|---|
| 1.502 | | 1948 | 2033 |
| 1.532 | | 14300 | 13440 |
| 1.585 | | 6653 | 4952 |
| 1.604 | | 9457 | 7943 |
| 1.633 | | 8163 | 9897 |
| 1.681 | | 11562 | 15918 |
| 1.713 | | 11884 | 10748 |
| 1.735 | | 59511 | 53376 |
| 1.774 | | 4985 | 3291 |
| 1.802 | | 29366 | 19158 |
| 1.825 | | 10803 | 10175 |
| 1.85 | | 684358 | 478396 |
| 1.9 | | 249703 | 204228 |
| 1.967 | | 37389 | 40878 |
| 2.012 | | 1780 | 971 |
| 2.058 | | 4228 | 2385 |
| 2.092 | | 897330 | 535527 |
| 2.123 | | 9173 | 9231 |
| 2.163 | | 5675 | 4363 |
| 2.177 | | 6647 | 4914 |
| 2.223 | | 9014 | 7960 |
| 2.244 | | 2846 | 1774 |
| 2.276 | | 36353 | 24822 |
| 2.306 | | 6574 | 2879 |
| 2.32 | | 8102 | 8244 |
| 2.369 | | 6722 | 6255 |
| 2.411 | | 63437 | 39527 |
| 2.438 | | 130812 | 75280 |
| 2.46 | | 3768 | 2965 |
| 2.488 | | 2942 | 1634 |
| 2.509 | | 101348 | 64736 |
| 2.547 | | 8533 | 4681 |
| 2.567 | | 13812 | 7203 |
| 2.592 | TCX | 11923890 | 7356642 |
| 2.635 | | 220780 | 150470 |
| 2.691 | | 8373 | 5359 |
| 2.713 | | 22829 | 11924 |
| 2.741 | | 5342 | 3722 |
| 2.763 | | 552015 | 391255 |
| 2.81 | | 90721 | 41112 |
| 2.824 | | 580358 | 333681 |
| 2.876 | | 2943239 | 1908931 |
| 2.926 | | 31267 | 17355 |
| 2.948 | | 7754 | 6202 |
| 2.987 | | 406011 | 269112 |
| 3.034 | | 7118 | 7775 |
| 3.084 | | 3796306 | 3838381 |
| 3.135 | | 486864 | 320350 |
| 3.156 | | 206099 | 121977 |
| 3.181 | | 335931 | 189959 |
| 3.205 | | 3821133 | 2612502 |
| 3.242 | | 126861 | 71070 |
| 3.27 | | 3196 | 1244 |
| 3.288 | | 996809 | 501650 |

| | | | |
|---|---|---|---|
| 3.303 | | 580298 | 266072 |
| 3.331 | | 3125 | 1312 |
| 3.354 | | 1629629 | 819288 |
| 3.363 | | 4722649 | 2095028 |
| 3.383 | | 132599 | 42806 |
| 3.397 | | 4153012 | 2808134 |
| 3.47 | | 4459459 | 2823487 |
| 3.505 | | 3122854 | 1922347 |
| 3.528 | | 3326715 | 1787780 |
| 3.546 | | 1011440 | 518721 |
| 3.599 | | 6474 | 4234 |
| 3.631 | | 3895154 | 2469206 |
| 3.653 | | 1416211 | 748441 |
| 3.674 | | 1301166 | 768071 |
| 3.702 | | 798068 | 422164 |
| 3.719 | | 3213906 | 1960339 |
| 3.761 | | 1099226 | 792199 |
| 3.809 | | 143003 | 118729 |
| 3.831 | | 811950 | 477602 |
| 3.852 | | 4459997 | 2841083 |
| 3.877 | | 883457 | 519441 |
| 3.896 | | 144624 | 66270 |
| 3.916 | | 543058 | 343351 |
| 3.951 | | 3663864 | 2498735 |
| 3.984 | | 145926 | 82364 |
| 3.999 | | 254463 | 159839 |
| 4.06 | | 33927 | 31850 |
| 4.094 | | 227636 | 165590 |
| 4.122 | | 19269 | 12462 |
| 4.15 | | 1016539 | 712759 |
| 4.192 | | 882512 | 544250 |
| 4.211 | | 929267 | 492095 |
| 4.224 | | 2400480 | 1343632 |
| 4.25 | | 1425006 | 1406781 |
| 4.301 | | 8030900 | 5968154 |
| 4.35 | | 90539 | 62713 |
| 4.371 | | 798507 | 531411 |
| 4.396 | | 1728358 | 1292014 |
| 4.438 | | 9761506 | 7561393 |
| 4.539 | | 7171180 | 7330568 |
| 4.592 | | 914686 | 752348 |
| 4.63 | | 2176748 | 1797759 |
| 4.666 | | 10007750 | 8312603 |
| 4.699 | | 4828784 | 3235396 |
| 4.737 | | 3365534 | 2615057 |
| 4.835 | | 982705 | 702639 |
| 4.852 | | 143765 | 75711 |
| 4.886 | | 5881061 | 4548546 |
| 4.909 | | 764419 | 455021 |
| 4.959 | | 3061645 | 2704703 |
| 4.995 | | 1553370 | 1241706 |
| 5.026 | | 1190382 | 962171 |
| 5.057 | | 536153 | 339486 |
| 5.081 | | 14690220 | 12151450 |
| 5.122 | | 300591 | 217221 |
| 5.152 | | 463867 | 375496 |
| 5.272 | | 150736 | 98110 |
| 5.296 | | 2804740 | 2315304 |
| 5.34 | | 9404874 | 10429150 |
| 5.497 | | 192345 | 166971 |
| 5.543 | | 273005 | 201207 |
| 5.565 | | 113977 | 76417 |
| 5.614 | | 1535838 | 1362139 |
| 5.723 | | 3695641 | 3004881 |
| 5.755 | | 206282 | 146166 |
| 5.923 | | 924944 | 860507 |
| 6.081 | DCB | 8593578 | 7716264 |

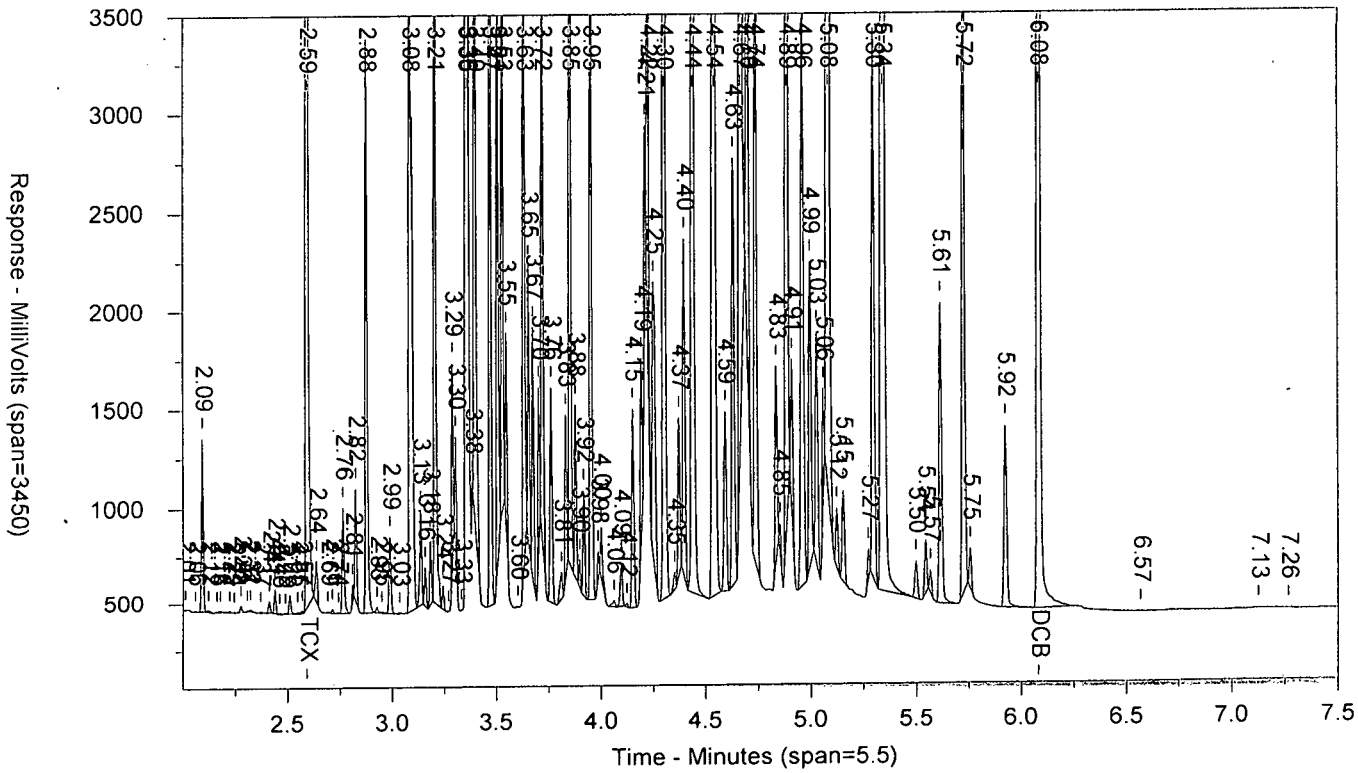
| | | |
|---|---|---|
| 6.566 | 1860 | 2205 |
| 7.126 | 2565 | 6179 |
| 7.265 | 2395 | 4798 |
| 7.96 | 1202 | 1606 |
| 8.076 | 1825 | 2385 |
| 8.158 | 8301 | 15215 |
| 8.504 | 1434 | 2028 |

LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0048.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0048.RAW



LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082
Injected On: 10/12/2017 4:00:16 AM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

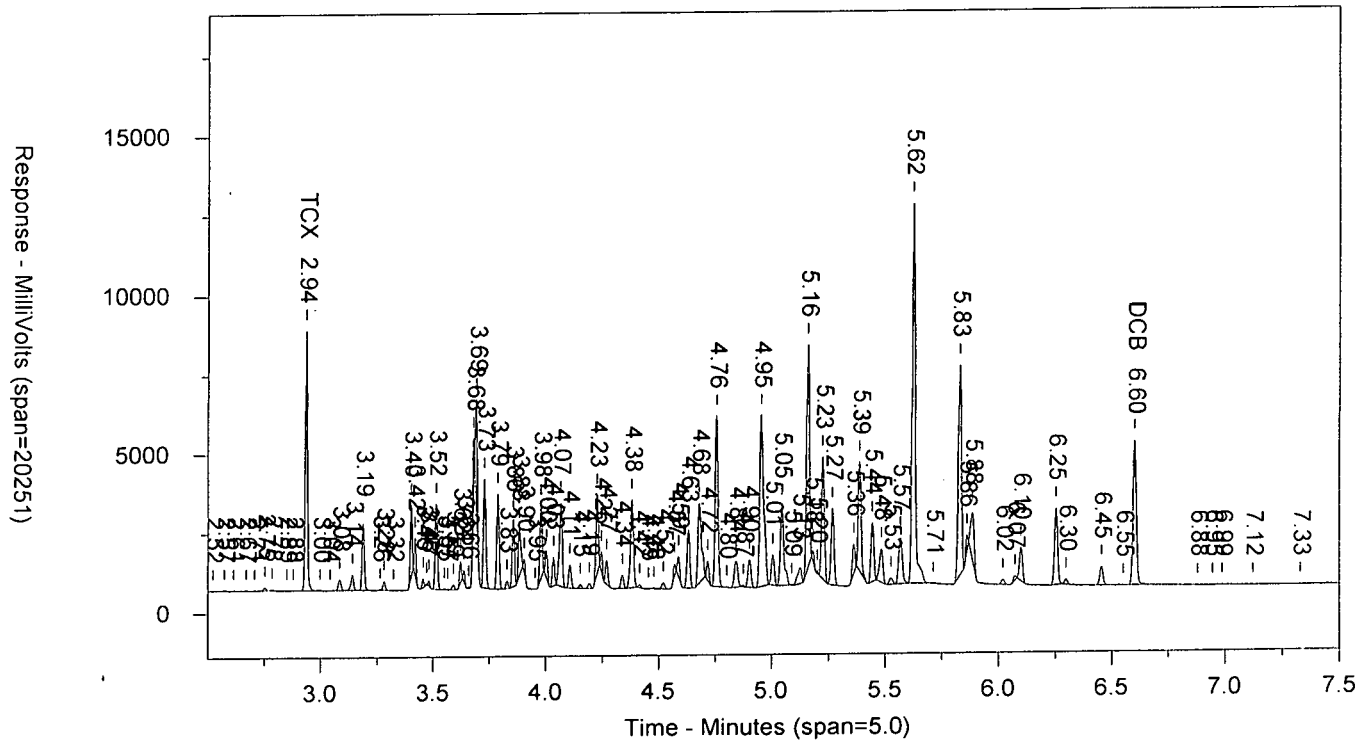
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.936 | 8211823 | 29.957 | TCX | 2.592 | 11923890 | 28.765 | TCX |
| 6.6 | 4559640 | 22.597 | DCB | 6.081 | 8593578 | 22.701 | DCB |

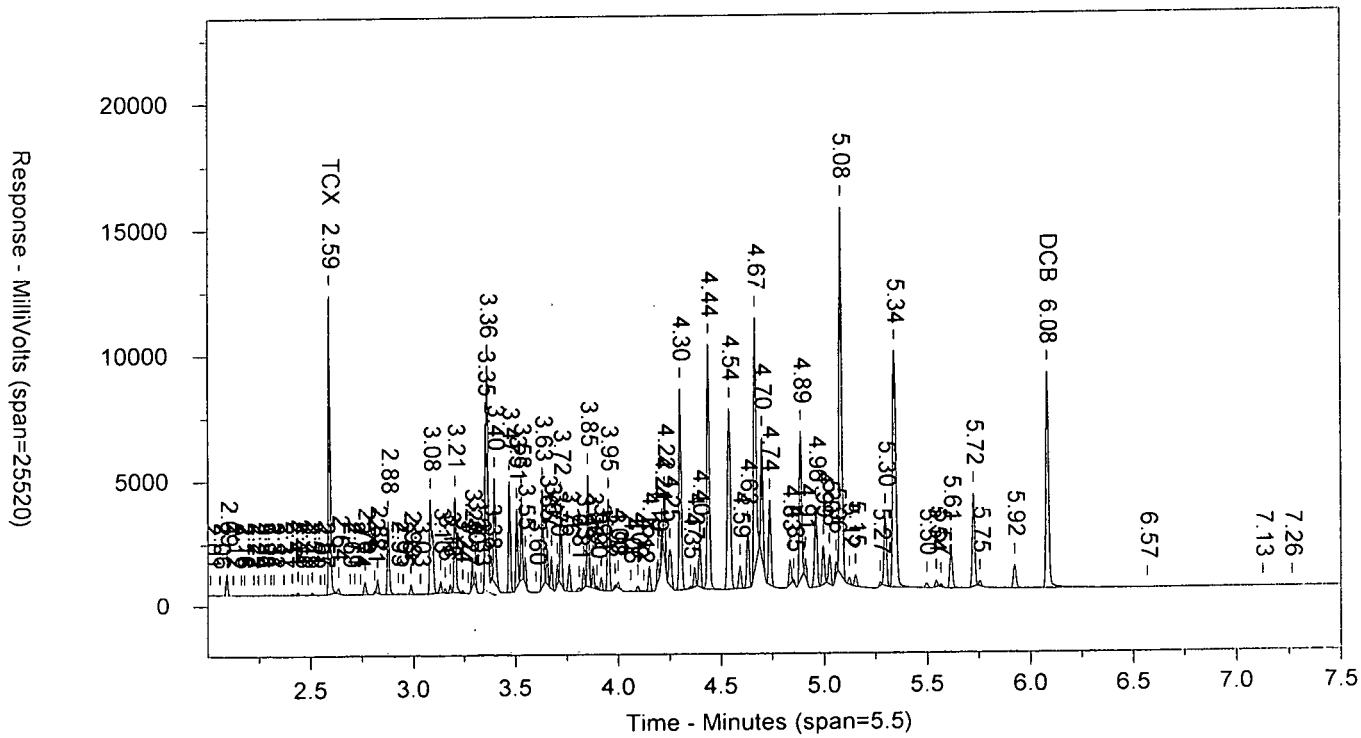
Files:
Area File: 07PCBS17284001.0048.RAW
Area File: 07PCBS17284001B.0048.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:30:12 AM

LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0048.RAW

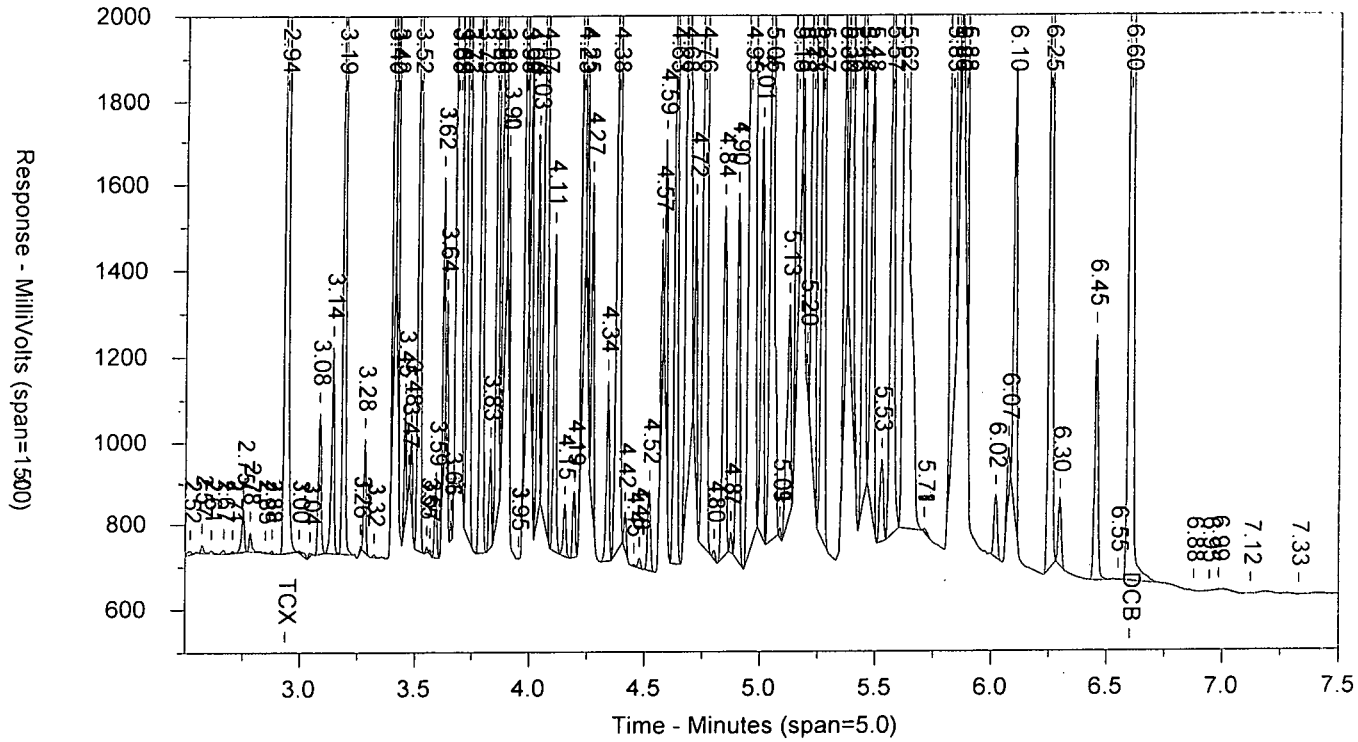



\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0048.RAW

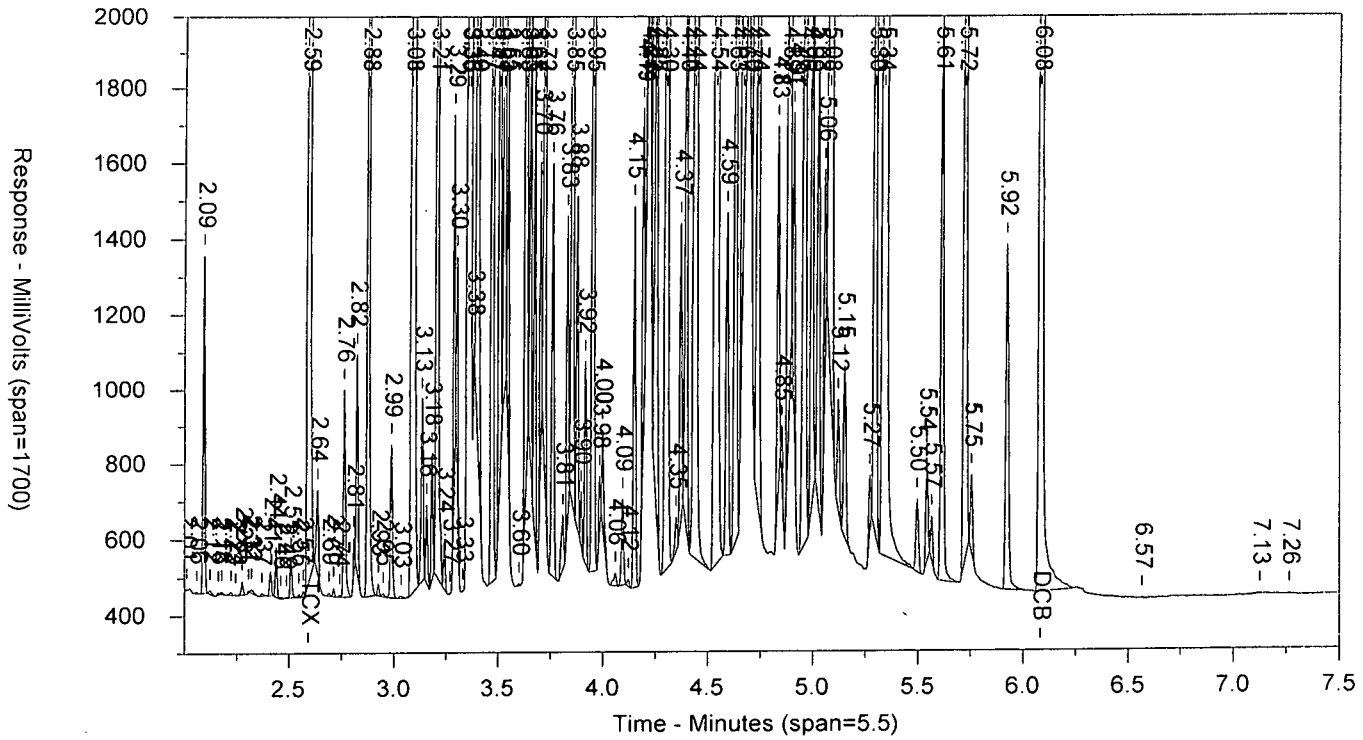


LCSA 10/9/17 ACF ABLCS28282 LCS 172820028A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0048.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.0048.RAW



# Extraction/Distillation/Digestion Logs

# Polychlorinated Biphenyls (PCBs)

**Organic Extraction Batchlog** Assigned to: 24470 Elizabeth Donovan Reviewed by: [illegible] Start Date: October 9, 2017 Start time: 16:30

**172820027A**

Tech 1: E24470 Tech 2:

Dept: 24 Prep Analysis: 14248 PCB 10g Sonication Ext PCBs in Solids by 8082/3550

| QC | Sample Code | Amt (g) | SS/IS Sol. | Amt (mL) | MS Sol. | Amt (mL) | FV (mL) | pH | pH | BC | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9229466MS | 98A16 | 10.15 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | 314A | Soil, Black, Brown |
| 9229467MSD | 98A16 | 10.05 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | 314A | Soil, Black, Brown |
| BLANKA | PBLK27282 | 10.0 | SS1726124A | 1.0 | | | 10 | Z | Z | | $Na_2SO_4$ |
| LCSA | LCS27282 | 10.0 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | | $Na_2SO_4$ |

| Solvent Used | Lot No. |
|---|---|
| 1:1 MeCl2/Acetone | 185091017A |
| Filter Paper | 9823853 |
| Hexane | 173906 |
| Sodium Sulfate | 172754 |
| | |

Spike Solutions: Witness:
MS1726824A PCB SPIKE
SS1726124A SW846 SURROGATE STANDARI

| Sample # | Sample Code | Amt (g) | SS/IS Sol. | Amt (mL) | FV (mL) | pH | pH | BC | Comments | Analyses | List | Due Date | Prio |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 9229463 | 98A14 | 10.26 | SS1726124A | 1.0 | 10 | Z | Z | 314A | Soil;Brown | 10225 | 1869 | 10/06/2017 | N |
| 2 9229464 | 98A15 | 10.05 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Sandy;Rocks;Black;Brown | 10225 | 1869 | 10/06/2017 | N |
| 3 9229465BKG | 98A16 | 10.10 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Black | 10225 | 1869 | 10/06/2017 | N |
| 4 9229468 | 98A17 | 10.12 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Brown | 10225 | 1869 | 10/06/2017 | N |
| 5 9229469 | 98A18 | 10.49 | SS1726124A | | 10 | Z | Z | 314A | Soil;Brown | 10225 | 1869 | 10/06/2017 | N |
| 6 9229470 | 99A01 | 10.23 | SS1726124A | | 10 | Z | Z | 314A | Soil;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 7 9229471 | 99A02 | 10.07 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Sandy;Brown | 10225 | 1869 | 10/06/2017 | N |
| 8 9229472 | 99A03 | 10.04 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 9 9229473 | 99A04 | 10.03 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Brown | 10225 | 1869 | 10/06/2017 | N |
| 10 9229474 | 99A05 | 10.00 | SS1726124A | | 10 | Z | Z | 314A | Soil;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 11 9229475 | 99A06 | 10.26 | SS1726124A | | 10 | Z | Z | 314A | Soil;Sandy;Rocks;Black;Brown | 10225 | 1869 | 10/06/2017 | N |
| 12 9229476 | 99A07 | 10.19 | SS1726124A | | 10 | Z | Z | 314A | Soil;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 13 9229477 | 99A08 | 10.08 | SS1726124A | | 10 | Z | Z | 314A | Soil;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |

NA E24470 10/9/17

| Bench# | Bench# | Bench# | | |
|---|---|---|---|---|
| Rack ID: | | Work Station | Hood: 320 | Micro Temp 100? |
| Internal Standard | | Balance # | 17609 | |

| R-VAP ID | C | R-VAP ID | C | R-VAP ID | C | | |
|---|---|---|---|---|---|---|---|
| S-bath ID 6 | 98 C | S-bath ID | C | N-Evap | C | M-vap | C |

172820027A

DF = Dilution Factor FV = Final Volume



Documented temps are NIST corrected.

# Prep-Process Worksheet

## Acid Cleanup

**Prep:** 14248 PCB 10g Sonication Ext

**Batch No:** 172820027A

Verified: [illegible]
Start Date: 10/9/17
Start Time: 19:45
Tech 1: EQ24470
Tech 2:

| Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments |
|---|---|---|---|---|---|---|
| 9229466MS | | 10 | 10 | | | |
| 9229467MSD | | ↓ | ↓ | | | |
| BLANKA | | ↓ | ↓ | | | |
| LCSA | | ↓ | ↓ | | | |

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 9229463 | | 10 | 10 | | | | 10225 |
| 2 | 9229464 | | ↓ | ↓ | | | | 10225 |
| 3 | 9229465 | | ↓ | ↓ | | | | 10225 |
| 4 | 9229468 | | ↓ | ↓ | | | | 10225 |
| 5 | 9229469 | | ↓ | ↓ | | | | 10225 |
| 6 | 9229470 | | ↓ | ↓ | | | | 10225 |
| 7 | 9229471 | | ↓ | ↓ | | | | 10225 |
| 8 | 9229472 | | ↓ | ↓ | | | | 10225 |
| 9 | 9229473 | | ↓ | ↓ | | | | 10225 |
| 10 | 9229474 | | ↓ | ↓ | | | | 10225 |
| 11 | 9229475 | | ↓ | ↓ | | | | 10225 |
| 12 | 9229476 | | ↓ | ↓ | | | | 10225 |
| 13 | 9229477 | | ↓ | ↓ | | | | 10225 |

NA EQ24470
10/9/17

**Additional Comment:** _____

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | $H_2SO_4$ | 174051 |
| | | | |
| | | | |
| | | | |

# Prep-Process Worksheet

| Copper/Florisil |
|---|
| **Prep:** 14248 PCB 10g Sonication Ext |
| **Batch No:** 172820027A |

Verified: [illegible]
Start Date: 10/9/17
Start Time: 20:00
Tech 1: GD24470
Tech 2:

| Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments |
|---|---|---|---|---|---|---|
| 9229466MS | | 2 | 2 | | | |
| 9229467MSD | | ↓ | ↓ | | | |
| BLANKA | | ↓ | ↓ | | | |
| LCSA | | ↓ | ↓ | | | |

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 9229463 | | 2 | 2 | | | | 10225 |
| 2 | 9229464 | | ↓ | ↓ | | | | 10225 |
| 3 | 9229465 | | ↓ | ↓ | | | | 10225 |
| 4 | 9229468 | | ↓ | ↓ | | | | 10225 |
| 5 | 9229469 | | ↓ | ↓ | | | | 10225 |
| 6 | 9229470 | | ↓ | ↓ | | | | 10225 |
| 7 | 9229471 | | ↓ | ↓ | | | | 10225 |
| 8 | 9229472 | | ↓ | ↓ | | | | 10225 |
| 9 | 9229473 | | ↓ | ↓ | | | | 10225 |
| 10 | 9229474 | | ↓ | ↓ | | | | 10225 |
| 11 | 9229475 | | ↓ | ↓ | | | | 10225 |
| 12 | 9229476 | | ↓ | ↓ | | | | 10225 |
| 13 | 9229477 | | ↓ | ↓ | | | | 10225 |

NA GD24470
10/9/17

**Additional Comment:** _____

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | Florisil | 414011-CE |
| | | Copper | 171180-BD |
| | | | |
| | | | |

**Organic Extraction Batchlog** Assigned to: 24470 Elizabeth Donovan Reviewed by: [illegible] Start Date: October 9, 2017 Start time: 16:30

**172820028A**

Tech 1: EB24470 Tech 2:

Dept: 24 Prep Analysis: 14248 PCB 10g Sonication Ext PCBs in Solids by 8082/3550

| QC | Sample Code | Amt (g) | SS/IS Sol. | Amt (mL) | MS Sol. | Amt (mL) | FV (mL) | pH | pH | BC | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9229485MS | 99A15 | 10.15 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | 314A | Soil;Gritty;Gray;Brown |
| 9229486MSD | 99A15 | 10.17 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | 314A | Soil;Gritty;Gray;Brown |
| BLANKA | PBLK28282 | 10.0 | SS1726124A | 1.0 | — | — | 10 | Z | Z | / | $Na_2SO_4$ |
| LCSA | LCS28282 | 10.0 | SS1726124A | 1.0 | MS1726824A | 1.0 | 10 | Z | Z | / | $Na_2SO_4$ |

| Solvent Used | Lot No. |
|---|---|
| 1:1 MeCl2/Acetone | 185091017A |
| Filter Paper | 9823853 |
| Hexane | 173906 |
| Sodium Sulfate | 17275A |
| | |

Spike Solutions: Witness:
MS1726824A PCB SPIKE
SS1726124A SW846 SURROGATE STANDARD

| | Sample # | Sample Code | Amt (g) | SS/IS Sol. | Amt (mL) | FV (mL) | pH | pH | BC | Comments | Analyses | List | Due Date | Prio |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9229478 | 99A09 | 10.21 | SS1726124A | 1.0 | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 2 | 9229479 | 99A10 | 10.21 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Grey | 10225 | 1869 | 10/06/2017 | N |
| 3 | 9229480 | 99A11 | 10.30 | SS1726124A | | 10 | Z | Z | 314A | Soil;Sandy;Rocks;Black;Brown | 10225 | 1869 | 10/06/2017 | N |
| 4 | 9229481 | 99A12 | 10.31 | SS1726124A | | 10 | Z | Z | 314A | Soil;Sandy;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |
| 5 | 9229482 | 99A13 | 10.33 | SS1726124A | | 10 | Z | Z | 314A | Soil;Sandy;Black;Brown | 10225 | 1869 | 10/06/2017 | N |
| 6 | 9229483 | 99A14 | 10.04 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Sandy;Rocks;Black | 10225 | 1869 | 10/06/2017 | N |
| 7 | 9229484BKG | 99A15 | 10.05 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Black | 10225 | 1869 | 10/06/2017 | N |
| 8 | 9229487 | 99A16 | 10.12 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Black | 10225 | 1869 | 10/06/2017 | N |
| 9 | 9229488 | 99A17 | 10.15 | SS1726124A | | 10 | Z | Z | 314A | Soil;Sandy;Brown | 10225 | 1869 | 10/06/2017 | N |
| 10 | 9229489 | 99A18 | 10.22 | SS1726124A | | 10 | Z | Z | 314A | Soil;Brown | 10225 | 1869 | 10/06/2017 | N |
| 11 | 9229493 | 01A01 | 10.31 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Black | 10225 | 1869 | 10/06/2017 | N |
| 12 | 9229494 | 01A02 | 10.28 | SS1726124A | | 10 | Z | Z | 314A | Soil;Gritty;Rocks;Brown | 10225 | 1869 | 10/06/2017 | N |

NA EB24470
10/9/17

| Bench# | Bench# | Bench# | | |
|---|---|---|---|---|
| Rack ID: | | Work Station | Hood: 320 | Micro Temp 100? |
| Internal Standard | | Balance # | 17609 | |

| R-VAP ID | C | R-VAP ID | C | R-VAP ID | C | | | |
|---|---|---|---|---|---|---|---|---|
| S-bath ID 6 | 98 C | S-bath ID | C | N-Evap | C | M-vap | C | 172820028A |

DF = Dilution Factor FV = Final Volume



Documented temps are NIST corrected.

# Prep-Process Worksheet

## Acid Cleanup

**Prep:** 14248 PCB 10g Sonication Ext

**Batch No:** 172820028A

Verified: KJS GUG
Start Date: 10/9/17
Start Time: 19:55
Tech 1: EQ24420
Tech 2:

| Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments |
|---|---|---|---|---|---|---|
| 9229485MS | | 10 | 10 | | | |
| 9229486MSD | | | | | | |
| BLANKA | | | | | | |
| LCSA | | | | | | |

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 9229478 | | 10 | 10 | | | | 10225 |
| 2 | 9229479 | | | | | | | 10225 |
| 3 | 9229480 | | | | | | | 10225 |
| 4 | 9229481 | | | | | | | 10225 |
| 5 | 9229482 | | | | | | | 10225 |
| 6 | 9229483 | | | | | | | 10225 |
| 7 | 9229484 | | | | | | | 10225 |
| 8 | 9229487 | | | | | | | 10225 |
| 9 | 9229488 | | | | | | | 10225 |
| 10 | 9229489 | | | | | | | 10225 |
| 11 | 9229493 | | | | | | | 10225 |
| 12 | 9229494 | | | | | | | 10225 |

NA EQ24420
10/9/17

**Additional Comment:**

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | H2SO4 | 174057 |
| | | | |
| | | | |
| | | | |

# Prep-Process Worksheet

| Copper/Florisil |
|---|
| **Prep:** 14248 PCB 10g Sonication Ext |
| **Batch No:** 172820028A |

Verified: [illegible]
Start Date: 10/9/17
Start Time: 20:15
Tech 1: E024470
Tech 2:

| Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments |
|---|---|---|---|---|---|---|
| 9229485MS | | 2 | 2 | | | |
| 9229486MSD | | ↓ | ↓ | | | |
| BLANKA | | ↓ | ↓ | | | |
| LCSA | | ↓ | ↓ | | | |

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 9229478 | | 2 | 2 | | | | 10225 |
| 2 | 9229479 | | ↓ | ↓ | | | | 10225 |
| 3 | 9229480 | | ↓ | ↓ | | | | 10225 |
| 4 | 9229481 | | ↓ | ↓ | | | | 10225 |
| 5 | 9229482 | | ↓ | ↓ | | | | 10225 |
| 6 | 9229483 | | ↓ | ↓ | | | | 10225 |
| 7 | 9229484 | | ↓ | ↓ | | | | 10225 |
| 8 | 9229487 | | ↓ | ↓ | | | | 10225 |
| 9 | 9229488 | | ↓ | ↓ | | | | 10225 |
| 10 | 9229489 | | ↓ | ↓ | | | | 10225 |
| 11 | 9229493 | | ↓ | ↓ | | | | 10225 |
| 12 | 9229494 | | ↓ | ↓ | | | | 10225 |

NA E024470
10/9/17

**Additional Comment:** _____

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | Florisil | 414011-CE |
| | | copper | 171180-BD |
| | | | |
| | | | |

# Moisture Data

eurofins | Lancaster Laboratories Environmental

**CLIENT:** **Stantec**
**SDG:** ATG99

**MOISTURE**

**SAMPLE NUMBERS:**

| Sample # | Sample Code |
|---|---|
| 9229470 | 99A01 |
| 9229471 | 99A02 |
| 9229472 | 99A03 |
| 9229473 | 99A04 |
| 9229474 | 99A05 |
| 9229475 | 99A06 |
| 9229476 | 99A07 |
| 9229477 | 99A08 |
| 9229478 | 99A09 |
| 9229479 | 99A10 |
| 9229480 | 99A11 |
| 9229481 | 99A12 |
| 9229482 | 99A13 |
| 9229483 | 99A14 |
| 9229484 | 99A15BKG |
| 9229485 | 99A15MS |
| 9229486 | 99A15MSD |
| 9229487 | 99A16FD |
| 9229488 | 99A17 |
| 9229489 | 99A18 |

**COMMENTS:**

Method defined actions are taken for any failed matrix QC.

## Laboratory Compliance Quality Control

| Analysis Name | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|
| Batch number: 17276820005A | Sample number(s): 9229470-9229477 | | | | |
| Moisture | 100 | | 99-101 | | |
| Batch number: 17276820005B | Sample number(s): 9229478-9229489 | | | | |
| Moisture | 100 | | 99-101 | | |
| Moisture | 100 | | 99-101 | | |
| Moisture Duplicate | 100 | | 99-101 | | |

eurofins | Lancaster Laboratories Environmental

**CLIENT:** Stantec
**SDG:** ATG99

**MOISTURE**

## Sample Matrix Quality Control

| Analysis Name | BKG Conc | DUP Conc | RPD | RPD Max |
|---|---|---|---|---|
| Batch number: 17276820005A | Sample number(s): | | 9229470-9229477 | |
| Moisture | 6.8 | 6.4 | 7* | 5 |
| Batch number: 17276820005B | Sample number(s): | | 9229478-9229489 | |
| Moisture | 9.8 | 9.5 | 3 | 5 |
| Moisture | 9.8 | 9.5 | 3 | 5 |
| Moisture Duplicate | 9.8 | 9.5 | 3 | 5 |

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

## Moisture Data Report

**Batch #:** 17276820005

| Sample ID | Batch ID | Analysis# | Tare Wt | Sample Wt | Dry Wt | %Moisture | Analysis Date (Emp#) | Verified Date (Emp#) |
|---|---|---|---|---|---|---|---|---|
| 9229470 | A | 00111 | 1.0873 | 5.8955 | 6.6457 | 5.72 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229471 | A | 00111 | 1.1164 | 5.4395 | 6.2396 | 5.81 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229472 | A | 00111 | 1.1235 | 5.8749 | 6.6553 | 5.84 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229473 | A | 00111 | 1.0925 | 5.8702 | 6.5466 | 7.09 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229474 | A | 00111 | 1.1073 | 5.4090 | 6.2609 | 4.72 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229475BKG | A | 00111 | 1.1209 | 5.8536 | 6.5744 | 6.84 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229475DUP | A | 00111 | 1.0952 | 5.8386 | 6.5621 | 6.37 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229476 | A | 00111 | 1.1079 | 5.2195 | 5.6509 | 12.96 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229477 | A | 00111 | 1.1015 | 5.2685 | 5.4457 | 17.54 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229478 | B | 00111 | 1.1010 | 5.9286 | 6.7490 | 4.73 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229479 | B | 00111 | 1.1063 | 5.6621 | 6.5018 | 4.71 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229480 | B | 00111 | 1.0981 | 5.2155 | 5.7816 | 10.20 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229481 | B | 00111 | 1.0804 | 5.0289 | 5.5543 | 11.04 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229482 | B | 00111 | 1.1135 | 5.6000 | 5.9816 | 13.07 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229483 | B | 00111 | 1.0964 | 5.4488 | 6.0146 | 9.74 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229484BKG | B | 00111 | 1.1240 | 5.7040 | 6.2706 | 9.77 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229485MS | B | 00118 | | | | 9.77 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229486MSD | B | 00118 | | | | 9.77 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229486MSD | B | 00121 | 1.1047 | 5.7069 | 6.2701 | 9.49 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229487FD | B | 00111 | 1.0769 | 5.5360 | 6.0732 | 9.75 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229488 | B | 00111 | 1.1036 | 5.5354 | 5.9494 | 12.46 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| 9229489 | B | 00111 | 1.1317 | 5.9798 | 6.4155 | 11.64 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |
| LCS 89.5% Std. | | 00111 | 1.0822 | 5.0619 | 1.6231 | 89.31 | 10/ 3/17 (835/LEB) | 10/ 4/17 (236/CW) |