eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 | 717-656-2300 | Fax: 717-656-2681 | www.LancasterLabs.com

# Type I Data Package

**Prepared for:**

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

Project: Amtrak Wilmington
Soil Samples
Collected on 09/12/16

# SDG# ATD58

| GROUP | SAMPLE NUMBERS |
|---|---|
| 1706252 | 8577888-8577906 |

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:** **09/23/2016**

Dana M. Kauffman
Manager

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

2425 New Holland Pike, Lancaster, PA 17601 | 717-656-2300 | Fax: 717-656-2681 | www.LancasterLabs.com

# Table of Contents for SDG# ATD58

1. Sample Reference List .....3
2. Methodology Summary/Reference .....4
3. Analysis Reports / Field Chain of Custody .....5
4. Polychlorinated Biphenyls (PCBs) Data .....33
   a. Case Narrative/Conformance Summary .....34
   b. Quality Control and Calibration Summary Forms .....37
   c. Sample Data .....76
   d. Standards Data .....298
   e. Raw QC Data .....529
   f. Extraction/Distillation/Digestion Logs .....579
5. Moisture Data .....584

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

## Sample Reference List for SDG Number ATD58
## with a Data Package Type of I

**11289 - Stantec**

Project: Amtrak Wilmington

| Lab Sample Number | Client Sample ID | Collection Date | Date Received |
|---|---|---|---|
| 8577888 | W-15(2.5-2.8) | 09/12/2016 09:45 | 09/12/2016 17:55 |
| 8577889 | W-16(2.5-2.8) | 09/12/2016 09:46 | 09/12/2016 17:55 |
| 8577890 | W-17(2.5-2.8) | 09/12/2016 09:47 | 09/12/2016 17:55 |
| 8577891 | W-18(2.5-2.8) | 09/12/2016 09:48 | 09/12/2016 17:55 |
| 8577892 | W-19(2.5-2.8) | 09/12/2016 09:49 | 09/12/2016 17:55 |
| 8577893 | W-20(2.5-2.8) | 09/12/2016 09:50 | 09/12/2016 17:55 |
| 8577894 | W-21(2.5-2.8) | 09/12/2016 09:51 | 09/12/2016 17:55 |
| 8577895 | W-22(2.5-2.8) | 09/12/2016 09:52 | 09/12/2016 17:55 |
| 8577896 | W-40(2.0-2.3) | 09/12/2016 09:55 | 09/12/2016 17:55 |
| 8577897 | W-41(2.0-2.3) | 09/12/2016 09:58 | 09/12/2016 17:55 |
| 8577898 | W-42(2.0-2.3) | 09/12/2016 10:05 | 09/12/2016 17:55 |
| 8577899 | W-43(2.0-2.3) | 09/12/2016 10:25 | 09/12/2016 17:55 |
| 8577900 | W-44(2.0-2.3) | 09/12/2016 10:30 | 09/12/2016 17:55 |
| 8577901 | W-45(2.0-2.3) | 09/12/2016 10:35 | 09/12/2016 17:55 |
| 8577902 | W-46(2.0-2.3) | 09/12/2016 10:40 | 09/12/2016 17:55 |
| 8577903 | W-47(2.0-2.3) | 09/12/2016 10:45 | 09/12/2016 17:55 |
| 8577904 | W-48(2.0-2.3) | 09/12/2016 10:50 | 09/12/2016 17:55 |
| 8577905 | W-49(2.0-2.3) | 09/12/2016 10:55 | 09/12/2016 17:55 |
| 8577906 | W-50(2.0-2.3) | 09/12/2016 11:00 | 09/12/2016 17:55 |

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 · 717-656-2300 Fax: 717-656-2681 · www.lancasterlabs.com

## 14248 PCB 10g Sonication Ext

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

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

---

## 10225 PCBs in Solids by 8082/3550

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

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

---

## 00111 Moisture

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

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

# Analysis Reports / Field Chain of Custody

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: September 19, 2016

**Project: Amtrak Wilmington**

Submittal Date: 09/12/2016
Group Number: 1706252
SDG: ATD58
PO Number: 213402048
State of Sample Origin: DE

| Client Sample Description | Lancaster Labs (LL) # |
|---|---|
| W-15(2.5-2.8) Grab Soil | 8577888 |
| W-16(2.5-2.8) Grab Soil | 8577889 |
| W-17(2.5-2.8) Grab Soil | 8577890 |
| W-18(2.5-2.8) Grab Soil | 8577891 |
| W-19(2.5-2.8) Grab Soil | 8577892 |
| W-20(2.5-2.8) Grab Soil | 8577893 |
| W-21(2.5-2.8) Grab Soil | 8577894 |
| W-22(2.5-2.8) Grab Soil | 8577895 |
| W-40(2.0-2.3) Grab Soil | 8577896 |
| W-41(2.0-2.3) Grab Soil | 8577897 |
| W-42(2.0-2.3) Grab Soil | 8577898 |
| W-43(2.0-2.3) Grab Soil | 8577899 |
| W-44(2.0-2.3) Grab Soil | 8577900 |
| W-45(2.0-2.3) Grab Soil | 8577901 |
| W-46(2.0-2.3) Grab Soil | 8577902 |
| W-47(2.0-2.3) Grab Soil | 8577903 |
| W-48(2.0-2.3) Grab Soil | 8577904 |
| W-49(2.0-2.3) Grab Soil | 8577905 |
| W-50(2.0-2.3) Grab Soil | 8577906 |

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

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-15(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577888**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:45 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW15 SDG#: ATD58-01

| 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 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1260 | 11096-82-5 | 3.5 | 0.27 | 5 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 7.2 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 10:53 | Kirby B Turner | 5 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-16(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577889**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:46 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW16 SDG#: ATD58-02

| 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 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.057 | 0.057 | 1 |
| 10225 | PCB-1260 | 11096-82-5 | 0.14 | 0.057 | 1 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 13.3 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 11:27 | Kirby B Turner | 1 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-17(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577890**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:47 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW17 SDG#: ATD58-03

| 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 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.28 | 0.28 | 5 |
| 10225 | PCB-1260 | 11096-82-5 | 3.5 | 0.28 | 5 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 12.1 | 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 | 162570008A | 09/15/2016 11:38 | Kirby B Turner | 5 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-18(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577891**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:48 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW18 SDG#: ATD58-04

| 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 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.055 | 0.055 | 1 |
| 10225 | PCB-1260 | 11096-82-5 | 0.79 | 0.055 | 1 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 10 | 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 | 162570008A | 09/15/2016 11:50 | Kirby B Turner | 1 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-19(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577892**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:49 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW19 SDG#: ATD58-05

| 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 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 20 | 2.8 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 10.8 | 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 | 162570008A | 09/15/2016 12:12 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-20(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577893**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:50 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW20 SDG#: ATD58-06

| 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 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 23 | 2.8 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 10.6 | 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 | 162570008A | 09/15/2016 12:24 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-21(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577894**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:51 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW21 SDG#: ATD58-07

| 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 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1260 | 11096-82-5 | 1.8 | 0.27 | 5 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 6.7 | 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 | 162570008A | 09/15/2016 12:35 | Kirby B Turner | 5 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-22(2.5-2.8) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577895**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:52 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW22 SDG#: ATD58-08

| 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 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 23 | 2.7 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 8.6 | 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 | 162570008A | 09/15/2016 12:46 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-40(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577896**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:55 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW40 SDG#: ATD58-09

| 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 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.56 | 0.56 | 10 |
| 10225 | PCB-1260 | 11096-82-5 | 4.5 | 0.56 | 10 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 12.9 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 12:57 | Kirby B Turner | 10 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011A | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-41(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577897**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 09:58 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW41 SDG#: ATD58-10

| 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 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 16 | 1.1 | 20 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 8.8 | 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 | 162570008A | 09/15/2016 13:09 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-42(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577898**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:05 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW42 SDG#: ATD58-11

| 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 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 27 | 2.8 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 10.3 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 13:20 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-43(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577899**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:25 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW43 SDG#: ATD58-12

| 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 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.7 | 2.7 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 24 | 2.7 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 9.1 | 0.50 | 1 |

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported 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 | 162570008A | 09/15/2016 13:31 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-44(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577900**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:30 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW44 SDG#: ATD58-13

| 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 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 36 | 2.8 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 9.9 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 13:42 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-45(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577901**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:35 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW45 SDG#: ATD58-14

| 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 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.2 | 1.2 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 17 | 1.2 | 20 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 15.6 | 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 | 162570008A | 09/15/2016 13:54 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-46(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577902**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:40 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW46 SDG#: ATD58-15

| 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 | 2.8 | 50 |
| 10225 | PCB-1221 | 11104-28-2 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1232 | 11141-16-5 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1242 | 53469-21-9 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1248 | 12672-29-6 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1254 | 11097-69-1 | < 2.8 | 2.8 | 50 |
| 10225 | PCB-1260 | 11096-82-5 | 26 | 2.8 | 50 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 8.2 | 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 | 162570008A | 09/15/2016 14:05 | Kirby B Turner | 50 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-47(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577903**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:45 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW47 SDG#: ATD58-16

| CAT No. | Analysis Name | CAS Number | Dry Result | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 16 | 1.1 | 20 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 11.8 | 0.50 | 1 |

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported 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 | 162570008A | 09/15/2016 14:39 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-48(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577904**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:50 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW48 SDG#: ATD58-17

| 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 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.27 | 0.27 | 5 |
| 10225 | PCB-1260 | 11096-82-5 | 3.6 | 0.27 | 5 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 6.5 | 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 | 162570008A | 09/15/2016 14:51 | Kirby B Turner | 5 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-49(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577905**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 10:55 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW49 SDG#: ATD58-18

| 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 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1221 | 11104-28-2 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1232 | 11141-16-5 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1242 | 53469-21-9 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1248 | 12672-29-6 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1254 | 11097-69-1 | < 0.55 | 0.55 | 10 |
| 10225 | PCB-1260 | 11096-82-5 | 8.6 | 0.55 | 10 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 9.3 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 15:02 | Kirby B Turner | 10 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

**Sample Description: W-50(2.0-2.3) Grab Soil**
**Amtrak Wilmington**

**LL Sample # SW 8577906**
**LL Group # 1706252**
**Account # 11289**

**Project Name: Amtrak Wilmington**

Collected: 09/12/2016 11:00 by DH

Submitted: 09/12/2016 17:55
Reported: 09/19/2016 09:54

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

ATW50 SDG#: ATD58-19

| CAT No. | Analysis Name | CAS Number | Dry Result | Dry Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **Pesticides/PCBs** | **SW-846 8082** | | **mg/kg** | **mg/kg** | |
| 10225 | PCB-1016 | 12674-11-2 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1221 | 11104-28-2 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1232 | 11141-16-5 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1242 | 53469-21-9 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1248 | 12672-29-6 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1254 | 11097-69-1 | < 1.1 | 1.1 | 20 |
| 10225 | PCB-1260 | 11096-82-5 | 13 | 1.1 | 20 |
| **Wet Chemistry** | **SM 2540 G-1997** | | **%** | **%** | |
| 00111 | Moisture | n.a. | 11.4 | 0.50 | 1 |

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

## Sample Comments

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

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10225 | PCBs in Solids by 8082/3550 | SW-846 8082 | 1 | 162570008A | 09/15/2016 15:13 | Kirby B Turner | 20 |
| 14248 | PCB 10g Sonication Ext | SW-846 3550B | 1 | 162570008A | 09/13/2016 18:00 | Sally L Appleyard | 1 |
| 00111 | Moisture | SM 2540 G-1997 | 1 | 16257820011B | 09/13/2016 23:48 | Scott W Freisher | 1 |

# Quality Control Summary

Client Name: Stantec
Reported: 09/19/2016 09:54

Group Number: 1706252

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: 162570008A | Sample number(s): 8577888-8577906 | |
| 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: 162570008A | Sample number(s): 8577888-8577906 | | | | | | | | |
| PCB-1016 | 0.505 | 0.509 | | | 101 | | 80-121 | | |
| PCB-1260 | 0.504 | 0.563 | | | 112 | | 84-125 | | |
| | % | % | % | % | | | | | |
| Batch number: 16257820011A | Sample number(s): 8577888-8577896 | | | | | | | | |
| Moisture | 89.5 | 89.44 | | | 100 | | 99-101 | | |
| Batch number: 16257820011B | Sample number(s): 8577897-8577906 | | | | | | | | |
| Moisture | 89.5 | 89.44 | | | 100 | | 99-101 | | |

## MS/MSD

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

| Analysis Name | Unspiked Conc mg/kg | MS Spike Added mg/kg | MS Conc mg/kg | MSD Spike Added mg/kg | MSD Conc mg/kg | MS %Rec | MSD %Rec | MS/MSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|---|---|
| Batch number: 162570008A | Sample number(s): 8577888-8577906 UNSPK: 8577888 | | | | | | | | | |
| PCB-1016 | < 0.25 | 0.481 | 0.451 | 0.499 | 0.521 | 94 | 105 | 80-121 | 14 | 50 |
| PCB-1260 | 3.29 | 0.480 | 3.12 | 0.498 | 3.28 | -35 (2) | -1 (2) | 84-125 | 5 | 50 |

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

# Quality Control Summary

Client Name: Stantec
Reported: 09/19/2016 09:54

Group Number: 1706252

## 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: 16257820011A | Sample number(s): 8577888-8577896 BKG: P577073 | | | |
| Moisture | 25.33 | 25.19 | 1 | 5 |
| Batch number: 16257820011B | Sample number(s): 8577897-8577906 BKG: 8577898 | | | |
| Moisture | 10.32 | 9.93 | 4 | 5 |

## Surrogate Quality Control

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 162570008A

| | Tetrachloro-m-xylene | Decachlorobiphenyl |
|---|---|---|
| 8577888 | 97 | 139 |
| 8577889 | 106 | 133 |
| 8577890 | 92 | 138 |
| 8577891 | 103 | 125 |
| 8577892 | 116 | 178* |
| 8577893 | 93 | 149* |
| 8577894 | 112 | 137 |
| 8577895 | 127 | 200* |
| 8577896 | 112 | 177* |
| 8577897 | 118 | 217* |
| 8577898 | 124 | 202* |
| 8577899 | 121 | 197* |
| 8577900 | 103 | 170* |
| 8577901 | 104 | 163* |
| 8577902 | 110 | 172* |
| 8577903 | 126 | 183* |
| 8577904 | 104 | 125 |
| 8577905 | 113 | 159* |
| 8577906 | 120 | 185* |
| Blank | 116 | 121 |
| LCS | 112 | 122 |
| MS | 90 | 131 |
| MSD | 102 | 140* |
| Limits: | 46-148 | 49-139 |

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

# Environmental Analysis Request/Chain of Custody

eurofins

Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 706252 Sample # 9577868-906

**COC # 506712**

## Client Information

Client: Stantec

Acct. #:

Project Name/#: 213402048

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Dane Hopkins

Quote #:

State where samples were collected: Delaware

For Compliance: Yes ☐ No ☐

For Lab Use Only

FSC:

SCR#: 192186

## Preservation Codes

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

## Remarks

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Matrix: Soil ☒ Sediment ☐ Tissue ☐ | Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐ | Other: equipment blank | Total # of Containers | PCB 8260 |
|---|---|---|---|---|---|---|---|---|---|
| DH ~~FB 20160912~~ | 9/12/16 | ~~0910~~ | | | | | ~~X~~ | ~~3~~ | ~~X~~ |
| W-15(2.5-2.8) | | 0945 | X | | X | | | 1 | |
| W-16(2.5-2.8) | | 0946 | | | | | | | |
| W-17(2.5-2.8) | | 0947 | | | | | | | |
| W-18(2.5-2.8) | | 0948 | | | | | | | |
| W-19(2.5-2.8) | | 0949 | | | | | | | |
| W-20(2.5-2.8) | | 0950 | | | | | | | |
| W-21(2.5-2.8) | | 0951 | | | | | | | |
| W-22(2.5-2.8) | | 0952 | | | | | | | |
| W-40(2.0-2.3) | | 0955 | | | | | | | |

**Turnaround Time (TAT) Requested** (please circle)

Standard Rush

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

Date results are needed: 1 day

E-mail address: Paul.miller@stantec.com

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

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

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

NYSDEC Category A or B MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| Bottle Storage | 7.29.16 | 835 | [illegible] | 7.29.16 | 835 |
| [illegible] | 7.29.16 | 1200 | Dane [illegible] | 7/29/16 | 1200 |
| Dane [illegible] | 9/12/16 | [illegible] | [illegible] | 9/12/16 | 1425 |
| [illegible] | 9-12-16 | [illegible] | | | |
| | | | Cathy Murphy | 9/12/16 | 17:55 |

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 1.6 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only
Acct. # 11289 Group # 1706252 Sample # 8577888-906

**COC # 506710**

**Client Information**

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

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

**Analysis Requested** / Preservation Codes: PCB

For Lab Use Only
FSC:
SCR#: 192187

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

**Remarks**

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Soil | Sediment | Tissue | Ground | Surface | Potable | NPDES | Other | Total # of Containers | PCB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-41 (2.0-2.3) | 9/12/16 | 0958 | X | | X | | | | | | | | 1 | X |
| W-42 (2.0-2.3) | | 1005 | | | | | | | | | | | | |
| W-43 (2.0-2.3) | | 1025 | | | | | | | | | | | | |
| W-44 (2.0-2.3) | | 1030 | | | | | | | | | | | | |
| W-45 (2.0-2.3) | | 1035 | | | | | | | | | | | | |
| W-46 (2.0-2.3) | | 1040 | | | | | | | | | | | | |
| W-47 (2.0-2.3) | | 1045 | | | | | | | | | | | | |
| W-48 (2.0-2.3) | | 1050 | | | | | | | | | | | | |
| W-49 (2.0-2.3) | | 1055 | | | | | | | | | | | | |
| W-50 (2.0-2.3) | | 1100 | | | | | | | | | | | | |

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

Date results are needed: 1 day

E-mail address: Paul.Miller@stantec

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

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| Bottle Storage | 7.29.16 | 835 | [illegible] | 7.29.16 | 835 |
| [illegible] | 7.29.16 | 1200 | [illegible] | 7/29/16 | 1200 |
| [illegible] | 9/12/16 | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 9/12/16 | [illegible] | | | |
| | | | Cathy Murphy | 9/12/16 | 17:55 |

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 1.6 °C

eurofins | Lancaster Laboratories Environmental

# Sample Administration Receipt Documentation Log

Doc Log ID: 161770

Group Number(s): 1706252

Client: Stantec

## Delivery and Receipt Information

| | | | |
|---|---|---|---|
| Delivery Method: | ELLE Courier | Arrival Timestamp: | 09/12/2016 17:55 |
| Number of Packages: | 1 | Number of Projects: | 1 |
| State/Province of Origin: | DE | | |

## Arrival Condition Summary

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

*Unpacked by Cathy Murphy (10960) at 18:36 on 09/12/2016*

## Samples Chilled Details

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

| Cooler # | Thermometer ID | Corrected Temp | Therm. Type | Ice Type | Ice Present? | Ice Container | Elevated Temp? |
|---|---|---|---|---|---|---|---|
| 1 | DT131 | 1.6 | DT | Wet | Y | Bagged | N |



2425 New Holland Pike
Lancaster, PA 17601-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

eurofins | Lancaster Laboratories

# Explanation of Symbols and Abbreviations

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

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

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**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 of gas 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.

*U.S. EPA CLP Data Qualifiers:*

| Organic Qualifiers | | Inorganic Qualifiers | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

**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 LANCASTER LABORATORIES 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 LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES 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 Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Polychlorinated Biphenyls (PCBs) Data

# Case Narrative/Conformance Summary

# Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

# Case Narrative/Conformance Summary

**CLIENT: Stantec**
**SDG: ATD58**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

| Sample # | Client ID | Matrix Liquid | Matrix Solid | DF | Comments |
|---|---|---|---|---|---|
| 8577888 | W-15(2.5-2.8) | | X | 5 | |
| 8577889 | W-16(2.5-2.8) | | X | 1 | |
| 8577890 | W-17(2.5-2.8) | | X | 5 | |
| 8577891 | W-18(2.5-2.8) | | X | 1 | |
| 8577892 | W-19(2.5-2.8) | | X | 50 | |
| 8577893 | W-20(2.5-2.8) | | X | 50 | |
| 8577894 | W-21(2.5-2.8) | | X | 5 | |
| 8577895 | W-22(2.5-2.8) | | X | 50 | |
| 8577896 | W-40(2.0-2.3) | | X | 10 | |
| 8577897 | W-41(2.0-2.3) | | X | 20 | |
| 8577898 | W-42(2.0-2.3) | | X | 50 | |
| 8577899 | W-43(2.0-2.3) | | X | 50 | |
| 8577900 | W-44(2.0-2.3) | | X | 50 | |
| 8577901 | W-45(2.0-2.3) | | X | 20 | |
| 8577902 | W-46(2.0-2.3) | | X | 50 | |
| 8577903 | W-47(2.0-2.3) | | X | 20 | |
| 8577904 | W-48(2.0-2.3) | | X | 5 | |
| 8577905 | W-49(2.0-2.3) | | X | 10 | |
| 8577906 | W-50(2.0-2.3) | | X | 20 | |

See QC Reference List for Associated Batch QC Samples

### SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

### HOLDING TIME:

All holding times were met.

### PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

### CALIBRATION/STANDARDIZATION:

(Sample number(s): 8577888-8577906: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one

# Case Narrative/Conformance Summary

**CLIENT: Stantec**
**SDG: ATD58**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

column and within criteria on the second column affected analytes are reported from the compliant column. The sample raw data identifies the column used to report each analyte.

## QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

**MS/MSD**

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

Batch#: 162570008A (Sample number(s): 8577888-8577906, UNSPK: 8577888)
The recovery(ies) for the following analyte(s) in the MS and MSD is outside the acceptance window: PCB-1260
Refer to the QC Summary forms for more information.

**Surrogate**

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

Batch#: 162570008A (Sample number(s): 8577888-8577906, UNSPK: 8577888)
The recovery(ies) for the following surrogate(s) exceeds the acceptance window:
Decachlorobiphenyl (8577888 MSD, 8577892, 8577893, 8577895, 8577896, 8577897, 8577898, 8577899, 8577900, 8577901, 8577902, 8577903, 8577905, 8577906)

## SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

**Abbreviation Key**

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

# Quality Control and Calibration Summary Forms

# Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

# Quality Control Reference List
## Pesticide Residue Analysis

**CLIENT: Stantec**
**SDG: ATD58**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| Analysis | Batch Number | Sample Number | Analysis Date |
|---|---|---|---|
| PCBs in Solids by 8082/3550 | 162570008A | PBLK08257 | 09/15/2016 10:31:00 |
| | | LCS08257 | 09/15/2016 10:42:00 |
| | | 8577888 UNSPK | 09/15/2016 10:53:00 |
| | | 8577888 MS | 09/15/2016 11:05:00 |
| | | 8577888 MSD | 09/15/2016 11:16:00 |
| | | 8577889 | 09/15/2016 11:27:00 |
| | | 8577890 | 09/15/2016 11:38:00 |
| | | 8577891 | 09/15/2016 11:50:00 |
| | | 8577892 | 09/15/2016 12:12:00 |
| | | 8577893 | 09/15/2016 12:24:00 |
| | | 8577894 | 09/15/2016 12:35:00 |
| | | 8577895 | 09/15/2016 12:46:00 |
| | | 8577896 | 09/15/2016 12:57:00 |
| | | 8577897 | 09/15/2016 13:09:00 |
| | | 8577898 | 09/15/2016 13:20:00 |
| | | 8577899 | 09/15/2016 13:31:00 |
| | | 8577900 | 09/15/2016 13:42:00 |
| | | 8577901 | 09/15/2016 13:54:00 |
| | | 8577902 | 09/15/2016 14:05:00 |
| | | 8577903 | 09/15/2016 14:39:00 |
| | | 8577904 | 09/15/2016 14:51:00 |
| | | 8577905 | 09/15/2016 15:02:00 |
| | | 8577906 | 09/15/2016 15:13:00 |

eurofins | Lancaster Laboratories Environmental

**Quality Control Summary**
**Method Blank**
**Pesticide Residue Analysis**
**SDG: ATD58**
**Matrix: SOLID**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| **162570008A / PBLK08257**<br>**Analyte** | **Analysis Date** | **Blank Results** | **Units** | **MDL** | **LOQ** |
|---|---|---|---|---|---|
| PCB-1016 | 09/15/16 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1221 | 09/15/16 | N.D. | mg/kg | 0.015 | 0.051 |
| PCB-1232 | 09/15/16 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1242 | 09/15/16 | N.D. | mg/kg | 0.012 | 0.051 |
| PCB-1248 | 09/15/16 | N.D. | mg/kg | 0.0099 | 0.051 |
| PCB-1254 | 09/15/16 | N.D. | mg/kg | 0.013 | 0.051 |
| PCB-1260 | 09/15/16 | N.D. | mg/kg | 0.012 | 0.051 |

eurofins | Lancaster Laboratories Environmental

**Quality Control Summary**
**Surrogates**
**Pesticide Residue Analysis**
**SDG: ATD58**
**Matrix: SOLID**

**Fraction: Polychlorinated Biphenyls (PCBs)**

| 162570008A | Decachlorobiphenyl | | Tetrachloro-m-xylene | |
|---|---|---|---|---|
| | Spike Added | 29.3 ug/kg | Spike Added | 29.2 ug/kg |
| Sample | % Recovery | Limits | % Recovery | Limits |
| PBLK08257 | 121 | 49 - 139 | 116 | 46 - 148 |
| LCS08257 | 122 | 49 - 139 | 112 | 46 - 148 |
| 8577888 UNSPK | 139 | 49 - 139 | 97 | 46 - 148 |
| 8577888 MS | 131 | 49 - 139 | 90 | 46 - 148 |
| 8577888 MSD | 140 * | 49 - 139 | 102 | 46 - 148 |
| 8577889 | 133 | 49 - 139 | 106 | 46 - 148 |
| 8577890 | 138 | 49 - 139 | 92 | 46 - 148 |
| 8577891 | 125 | 49 - 139 | 103 | 46 - 148 |
| 8577892 | 178 * | 49 - 139 | 116 | 46 - 148 |
| 8577893 | 149 * | 49 - 139 | 93 | 46 - 148 |
| 8577894 | 137 | 49 - 139 | 112 | 46 - 148 |
| 8577895 | 200 * | 49 - 139 | 127 | 46 - 148 |
| 8577896 | 177 * | 49 - 139 | 112 | 46 - 148 |
| 8577897 | 217 * | 49 - 139 | 118 | 46 - 148 |
| 8577898 | 202 * | 49 - 139 | 124 | 46 - 148 |
| 8577899 | 197 * | 49 - 139 | 121 | 46 - 148 |
| 8577900 | 170 * | 49 - 139 | 103 | 46 - 148 |
| 8577901 | 163 * | 49 - 139 | 104 | 46 - 148 |
| 8577902 | 172 * | 49 - 139 | 110 | 46 - 148 |
| 8577903 | 183 * | 49 - 139 | 126 | 46 - 148 |
| 8577904 | 125 | 49 - 139 | 104 | 46 - 148 |
| 8577905 | 159 * | 49 - 139 | 113 | 46 - 148 |
| 8577906 | 185 * | 49 - 139 | 120 | 46 - 148 |

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

eurofins | Lancaster Laboratories Environmental

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

**SDG: ATD58**
**Matrix: SOLID**

## Pesticide Residue Analysis

**Fraction: Polychlorinated Biphenyls (PCBs)**

| LCS: LCS08257 | Batch: **162570008A** (Sample number(s): 8577888-8577906 ) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Spike Added mg/kg** | **LCS Conc mg/kg** | **LCSD Conc mg/kg** | **LCS %Rec** | **LCSD %Rec** | **%Rec Limits** | **%RPD** | **%RPD Limits** |
| PCB-1016 | 0.505 | 0.509 | NA | 101 | NA | 80-121 | NA | NA |
| PCB-1260 | 0.504 | 0.563 | NA | 112 | NA | 84-125 | NA | NA |

eurofins | Lancaster Laboratories Environmental

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

**SDG: ATD58**
**Matrix: SOLID**

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

| UNSPK: 8577888<br>MS: 8577888<br>MSD: 8577888<br>**Analyte** | Batch: **162570008A** (Sample number(s): 8577888-8577906 ) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **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 | 0.481 / 0.499 | N.D. | 0.451 | 0.521 | 94 | 105 | 80-121 | 14 | 50 |
| PCB-1260 | 0.480 / 0.498 | 3.29 | 3.12 | 3.28 | -35 (2) | -1 (2) | 84-125 | 5 | 50 |

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

Results are being reported on an as received basis.

# 6D
## INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274A Calibration File: 25PCBS1620701
GC Column (1) : MR-1 ID: 0.32 (mm) Update File:
Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | RT OF STANDARDS LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | MIDPOINT RT | RT WINDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.90 | 2.96 |
| Decachlorobiphenyl | 6.65 | 6.65 | 6.64 | 6.64 | 6.64 | 6.64 | 6.61 | 6.67 |

6E

# INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | CALIBRATION FACTORS | | | | | | %RSD |
|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | MEAN | |
| Tetrachloro-m-xylene | 1.44E+05 | 1.34E+05 | 1.35E+05 | 1.30E+05 | 1.33E+05 | 1.35E+05 | 4 |
| Decachlorobiphenyl | 8.19E+04 | 6.51E+04 | 6.34E+04 | 6.09E+04 | 6.30E+04 | 6.68E+04 | 13 |

Average % RSD: 9

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| 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 | 2816 | 2290 | 1 | 50 | 140813 | 16 |
| | | | | | 2427 | | 2 | 100 | 242653 | |
| | | | | | 2261 | | 3 | 200 | 452188 | |
| | | | | | 2036 | | 4 | 500 | 1017864 | |
| | | | | | 1908 | | 5 | 1000 | 1908158 | |
| | 2 | 3.41 | 3.39 | 3.43 | 2666 | 2251 | 1 | 50 | 133317 | 13 |
| | | | | | 2438 | | 2 | 100 | 243838 | |
| | | | | | 2182 | | 3 | 200 | 436384 | |
| | | | | | 1993 | | 4 | 500 | 996532 | |
| | | | | | 1973 | | 5 | 1000 | 1973375 | |
| | 3 | 3.53 | 3.51 | 3.55 | 3303 | 2735 | 1 | 50 | 165149 | 14 |
| | | | | | 2890 | | 2 | 100 | 289015 | |
| | | | | | 2731 | | 3 | 200 | 546215 | |
| | | | | | 2398 | | 4 | 500 | 1198798 | |
| | | | | | 2351 | | 5 | 1000 | 2351282 | |
| | 4 | 3.75 | 3.73 | 3.77 | 3597 | 3100 | 1 | 50 | 179854 | 11 |
| | | | | | 3293 | | 2 | 100 | 329269 | |
| | | | | | 3017 | | 3 | 200 | 603465 | |
| | | | | | 2821 | | 4 | 500 | 1410522 | |
| | | | | | 2772 | | 5 | 1000 | 2772389 | |
| | 5 | 3.81 | 3.79 | 3.83 | 3104 | 2640 | 1 | 50 | 155194 | 13 |
| | | | | | 2850 | | 2 | 100 | 284987 | |
| | | | | | 2549 | | 3 | 200 | 509894 | |
| | | | | | 2313 | | 4 | 500 | 1156610 | |
| | | | | | 2384 | | 5 | 1000 | 2383597 | |
| | 6 | 4.00 | 3.98 | 4.02 | 2432 | 2037 | 1 | 50 | 121595 | 14 |
| | | | | | 2198 | | 2 | 100 | 219839 | |
| | | | | | 1965 | | 3 | 200 | 392931 | |
| | | | | | 1823 | | 4 | 500 | 911339 | |
| | | | | | 1765 | | 5 | 1000 | 1764973 | |
| Aroclor-1221 | 1 | 3.09 | 3.07 | 3.11 | 1174 | 1174 | 1 | 200 | 234793 | 0 |
| | 2 | 3.15 | 3.13 | 3.17 | 988 | 988 | 1 | 200 | 197626 | 0 |
| | 3 | 3.19 | 3.17 | 3.21 | 3151 | 3151 | 1 | 200 | 630231 | 0 |
| Aroclor-1232 | 1 | 3.19 | 3.17 | 3.21 | 3061 | 3061 | 1 | 200 | 612166 | 0 |
| | 2 | 3.41 | 3.39 | 3.43 | 1250 | 1250 | 1 | 200 | 250098 | 0 |
| | 3 | 3.53 | 3.51 | 3.55 | 1524 | 1524 | 1 | 200 | 304863 | 0 |
| | 4 | 3.75 | 3.73 | 3.77 | 1697 | 1697 | 1 | 200 | 339309 | 0 |
| | 5 | 3.81 | 3.79 | 3.83 | 1427 | 1427 | 1 | 200 | 285417 | 0 |
| | 6 | 4.01 | 3.99 | 4.03 | 1011 | 1011 | 1 | 200 | 202131 | 0 |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1242 | 1 | 3.19 | 3.17 | 3.21 | 1673 | 1673 | 1 | 200 | 334629 | 0 |
| | 2 | 3.41 | 3.39 | 3.43 | 1576 | 1576 | 1 | 200 | 315246 | 0 |
| | 3 | 3.53 | 3.51 | 3.55 | 1960 | 1960 | 1 | 200 | 391943 | 0 |
| | 4 | 3.75 | 3.73 | 3.77 | 2184 | 2184 | 1 | 200 | 436777 | 0 |
| | 5 | 3.81 | 3.79 | 3.83 | 1885 | 1885 | 1 | 200 | 377003 | 0 |
| | 6 | 4.00 | 3.98 | 4.02 | 1443 | 1443 | 1 | 200 | 288571 | 0 |
| Aroclor-1248 | 1 | 3.81 | 3.79 | 3.83 | 1773 | 1496 | 1 | 50 | 88652 | 14 |
| | | | | | 1598 | | 2 | 100 | 159834 | |
| | | | | | 1497 | | 3 | 200 | 299477 | |
| | | | | | 1350 | | 4 | 500 | 675094 | |
| | | | | | 1260 | | 5 | 1000 | 1260462 | |
| | 2 | 3.87 | 3.85 | 3.89 | 3016 | 2527 | 1 | 50 | 150813 | 14 |
| | | | | | 2755 | | 2 | 100 | 275480 | |
| | | | | | 2483 | | 3 | 200 | 496693 | |
| | | | | | 2236 | | 4 | 500 | 1117910 | |
| | | | | | 2146 | | 5 | 1000 | 2146085 | |
| | 3 | 4.00 | 3.98 | 4.02 | 3423 | 2883 | 1 | 50 | 171160 | 13 |
| | | | | | 3047 | | 2 | 100 | 304713 | |
| | | | | | 2835 | | 3 | 200 | 566918 | |
| | | | | | 2600 | | 4 | 500 | 1299835 | |
| | | | | | 2512 | | 5 | 1000 | 2512474 | |
| | 4 | 4.09 | 4.07 | 4.11 | 2752 | 2351 | 1 | 50 | 137576 | 12 |
| | | | | | 2523 | | 2 | 100 | 252322 | |
| | | | | | 2321 | | 3 | 200 | 464253 | |
| | | | | | 2116 | | 4 | 500 | 1057975 | |
| | | | | | 2042 | | 5 | 1000 | 2042047 | |
| | 5 | 4.27 | 4.25 | 4.29 | 2763 | 2479 | 1 | 50 | 138133 | 7 |
| | | | | | 2537 | | 2 | 100 | 253694 | |
| | | | | | 2436 | | 3 | 200 | 487249 | |
| | | | | | 2342 | | 4 | 500 | 1170750 | |
| | | | | | 2318 | | 5 | 1000 | 2318311 | |
| | 6 | 4.66 | 4.64 | 4.68 | 2177 | 1810 | 1 | 50 | 108874 | 15 |
| | | | | | 1936 | | 2 | 100 | 193615 | |
| | | | | | 1811 | | 3 | 200 | 362258 | |
| | | | | | 1610 | | 4 | 500 | 805060 | |
| | | | | | 1513 | | 5 | 1000 | 1512654 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.25 | 4.23 | 4.27 | 3647 | 3044 | 1 | 50 | 182371 | 12 |
| | | | | | 3156 | | 2 | 100 | 315624 | |
| | | | | | 2793 | | 3 | 250 | 698172 | |
| | | | | | 2884 | | 4 | 500 | 1441901 | |
| | | | | | 2737 | | 5 | 1000 | 2737456 | |
| | 2 | 4.60 | 4.58 | 4.62 | 3412 | 2920 | 1 | 50 | 170596 | 11 |
| | | | | | 3068 | | 2 | 100 | 306767 | |
| | | | | | 2655 | | 3 | 250 | 663787 | |
| | | | | | 2724 | | 4 | 500 | 1362176 | |
| | | | | | 2741 | | 5 | 1000 | 2741059 | |
| | 3 | 4.66 | 4.64 | 4.68 | 6094 | 5483 | 1 | 50 | 304692 | 7 |
| | | | | | 5666 | | 2 | 100 | 566643 | |
| | | | | | 5207 | | 3 | 250 | 1301820 | |
| | | | | | 5195 | | 4 | 500 | 2597510 | |
| | | | | | 5252 | | 5 | 1000 | 5252362 | |
| | 4 | 4.79 | 4.77 | 4.81 | 2234 | 1779 | 1 | 50 | 111720 | 18 |
| | | | | | 1964 | | 2 | 100 | 196445 | |
| | | | | | 1590 | | 3 | 250 | 397489 | |
| | | | | | 1622 | | 4 | 500 | 810930 | |
| | | | | | 1485 | | 5 | 1000 | 1484649 | |
| | 5 | 4.88 | 4.86 | 4.90 | 3933 | 3487 | 1 | 50 | 196665 | 10 |
| | | | | | 3757 | | 2 | 100 | 375671 | |
| | | | | | 3100 | | 3 | 250 | 774924 | |
| | | | | | 3298 | | 4 | 500 | 1648761 | |
| | | | | | 3349 | | 5 | 1000 | 3348653 | |
| | 6 | 5.08 | 5.06 | 5.10 | 3236 | 2884 | 1 | 50 | 161822 | 8 |
| | | | | | 3002 | | 2 | 100 | 300158 | |
| | | | | | 2612 | | 3 | 250 | 653096 | |
| | | | | | 2846 | | 4 | 500 | 1422886 | |
| | | | | | 2723 | | 5 | 1000 | 2722582 | |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.78 | 4.76 | 4.80 | 4605 | 3981 | 1 | 50 | 230250 | 10 |
| | | | | | 4190 | | 2 | 100 | 418965 | |
| | | | | | 3771 | | 3 | 200 | 754145 | |
| | | | | | 3616 | | 4 | 500 | 1807916 | |
| | | | | | 3724 | | 5 | 1000 | 3724133 | |
| | 2 | 4.98 | 4.96 | 5.00 | 4923 | 4308 | 1 | 50 | 246168 | 10 |
| | | | | | 4500 | | 2 | 100 | 449963 | |
| | | | | | 4248 | | 3 | 200 | 849659 | |
| | | | | | 3882 | | 4 | 500 | 1940855 | |
| | | | | | 3985 | | 5 | 1000 | 3985464 | |
| | 3 | 5.25 | 5.23 | 5.27 | 3123 | 2622 | 1 | 50 | 156136 | 13 |
| | | | | | 2745 | | 2 | 100 | 274524 | |
| | | | | | 2630 | | 3 | 200 | 526012 | |
| | | | | | 2224 | | 4 | 500 | 1111853 | |
| | | | | | 2389 | | 5 | 1000 | 2388968 | |
| | 4 | 5.42 | 5.40 | 5.44 | 3980 | 3281 | 1 | 50 | 198983 | 17 |
| | | | | | 3628 | | 2 | 100 | 362827 | |
| | | | | | 3243 | | 3 | 200 | 648503 | |
| | | | | | 2983 | | 4 | 500 | 1491472 | |
| | | | | | 2571 | | 5 | 1000 | 2570826 | |
| | 5 | 5.66 | 5.64 | 5.68 | 7447 | 6848 | 1 | 50 | 372350 | 5 |
| | | | | | 6892 | | 2 | 100 | 689214 | |
| | | | | | 6631 | | 3 | 200 | 1326128 | |
| | | | | | 6529 | | 4 | 500 | 3264300 | |
| | | | | | 6742 | | 5 | 1000 | 6741890 | |
| | 6 | 5.86 | 5.84 | 5.88 | 4298 | 3905 | 1 | 50 | 214876 | 7 |
| | | | | | 4056 | | 2 | 100 | 405602 | |
| | | | | | 3772 | | 3 | 200 | 754470 | |
| | | | | | 3670 | | 4 | 500 | 1834981 | |
| | | | | | 3730 | | 5 | 1000 | 3729614 | |
| Aroclor-1262 | 1 | 5.25 | 5.23 | 5.27 | 4694 | 4694 | 1 | 200 | 938880 | 0 |
| | 2 | 5.42 | 5.40 | 5.44 | 4092 | 4092 | 1 | 200 | 818367 | 0 |
| | 3 | 5.66 | 5.64 | 5.68 | 9331 | 9331 | 1 | 200 | 1866165 | 0 |
| | 4 | 5.86 | 5.84 | 5.88 | 5342 | 5342 | 1 | 200 | 1068440 | 0 |
| | 5 | 5.92 | 5.90 | 5.94 | 2722 | 2722 | 1 | 200 | 544455 | 0 |
| | 6 | 6.30 | 6.28 | 6.32 | 3318 | 3318 | 1 | 200 | 663625 | 0 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1620701

GC Column (1) : MR-1 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1268 | 1 | 5.86 | 5.84 | 5.88 | 10857 | 10857 | 1 | 200 | 2171307 | 0 |
| | 2 | 5.92 | 5.90 | 5.94 | 9174 | 9174 | 1 | 200 | 1834868 | 0 |
| | 3 | 6.05 | 6.03 | 6.07 | 8795 | 8795 | 1 | 200 | 1759020 | 0 |
| | 4 | 6.12 | 6.10 | 6.14 | 2438 | 2438 | 1 | 200 | 487589 | 0 |
| | 5 | 6.30 | 6.28 | 6.32 | 3768 | 3768 | 1 | 200 | 753683 | 0 |
| | 6 | 6.50 | 6.48 | 6.52 | 25789 | 25789 | 1 | 200 | 5157728 | 0 |

File Name: V:\CP25\25PCBS1620701.CAL
Version: 10

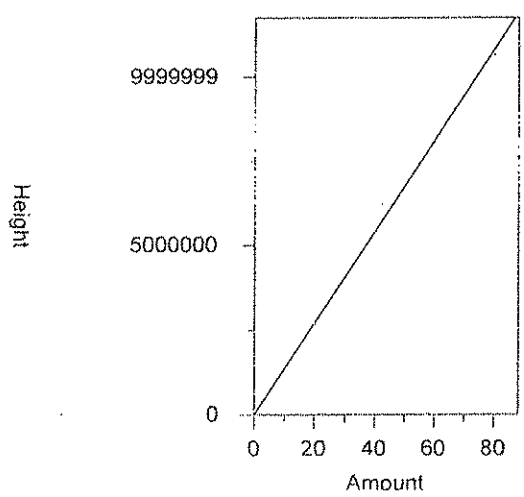
Creator:
Description:
Reason for change:

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: 2.931 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

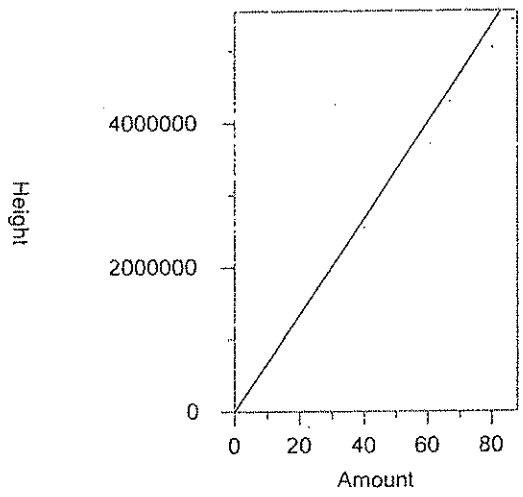
Single peak quantification by height

Y = 135294.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.997965
Average error: 2.507%
Average CF: 135294.9
RSD: 3.736%

| Level | Amount | Response | Cal Factor | Error, % | Source | D: |
|---|---|---|---|---|---|---|
| 1 | 4.01 | 575835.3 | 143599.8 | 6.138 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.BND | 7/ |
| 2 | 20.05 | 2689757 | 134152.5 | -0.844 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.BND | 7/ |
| 3 | 40.1 | 5432286 | 135468.5 | 0.128 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.BND | 7/ |
| 4 | 60.952 | 7926535 | 130045.5 | -3.880 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.BND | 7/ |
| 5 | 80.2 | 1.068331E+07 | 133208.4 | -1.542 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.BND | 7/ |

2 DCB




Expected retention time: 6.643 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 = 66842.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9819596
Average error: 9.023%
Average CF: 66842.9
RSD: 12.810%

| Level | Amount | Response | Cal Factor | Error, % | Source | Da |
|---|---|---|---|---|---|---|
| 1 | 4.004 | 328012.3 | 81921.16 | 22.558 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.BND | 7/2 |
| 2 | 20.02 | 1302897 | 65079.77 | -2.638 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.BND | 7/2 |
| 3 | 40.04 | 2538189 | 63391.33 | -5.164 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.BND | 7/2 |
| 4 | 60.86 | 3703575 | 60854.01 | -8.960 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.BND | 7/2 |
| 5 | 80.08 | 5042495 | 62968.22 | -5.797 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.BND | 7/2 |

# 6D

## INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

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

Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | RT OF STANDARDS LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | MIDPOINT RT | RT WINDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.57 | 2.63 |
| Decachlorobiphenyl | 6.09 | 6.09 | 6.08 | 6.08 | 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: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | CALIBRATION FACTORS | | | | | | %RSD |
|---|---|---|---|---|---|---|---|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | LEVEL 5 | MEAN | |
| Tetrachloro-m-xylene | 2.41E+05 | 2.43E+05 | 2.50E+05 | 2.46E+05 | 2.48E+05 | 2.46E+05 | 2 |
| Decachlorobiphenyl | 1.94E+05 | 1.89E+05 | 1.88E+05 | 1.88E+05 | 1.92E+05 | 1.90E+05 | 1 |

Average % RSD: 2

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274B  Calibration File: 25PCBS1620701B

GC Column (2) : MR-2  ID: 0.32 (mm)  Date(s) Analyzed: 7/25/2016  7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 2.89 | 2.87 | 2.91 | 4592 | 4027 | 1 | 50 | 229609 | 10 |
| | | | | | 4236 | | 2 | 100 | 423590 | |
| | | | | | 4039 | | 3 | 200 | 807741 | |
| | | | | | 3728 | | 4 | 500 | 1863982 | |
| | | | | | 3539 | | 5 | 1000 | 3538536 | |
| | 2 | 3.21 | 3.19 | 3.23 | 5570 | 4984 | 1 | 50 | 278489 | 8 |
| | | | | | 5128 | | 2 | 100 | 512784 | |
| | | | | | 4971 | | 3 | 200 | 994133 | |
| | | | | | 4712 | | 4 | 500 | 2355779 | |
| | | | | | 4541 | | 5 | 1000 | 4540596 | |
| | 3 | 3.41 | 3.39 | 3.43 | 5803 | 5328 | 1 | 50 | 290137 | 6 |
| | | | | | 5458 | | 2 | 100 | 545776 | |
| | | | | | 5338 | | 3 | 200 | 1067586 | |
| | | | | | 5025 | | 4 | 500 | 2512375 | |
| | | | | | 5018 | | 5 | 1000 | 5017617 | |
| | 4 | 3.48 | 3.46 | 3.50 | 5718 | 5476 | 1 | 50 | 285891 | 3 |
| | | | | | 5493 | | 2 | 100 | 549286 | |
| | | | | | 5549 | | 3 | 200 | 1109752 | |
| | | | | | 5333 | | 4 | 500 | 2666585 | |
| | | | | | 5287 | | 5 | 1000 | 5286984 | |
| | 5 | 3.65 | 3.63 | 3.67 | 5060 | 4654 | 1 | 50 | 253021 | 7 |
| | | | | | 4897 | | 2 | 100 | 489718 | |
| | | | | | 4534 | | 3 | 200 | 906700 | |
| | | | | | 4357 | | 4 | 500 | 2178382 | |
| | | | | | 4421 | | 5 | 1000 | 4420697 | |
| | 6 | 3.74 | 3.72 | 3.76 | 4280 | 3998 | 1 | 50 | 214008 | 6 |
| | | | | | 4188 | | 2 | 100 | 418849 | |
| | | | | | 3943 | | 3 | 200 | 788640 | |
| | | | | | 3769 | | 4 | 500 | 1884364 | |
| | | | | | 3810 | | 5 | 1000 | 3810314 | |
| Aroclor-1221 | 1 | 2.77 | 2.75 | 2.79 | 2247 | 2247 | 1 | 200 | 449404 | 0 |
| | 2 | 2.83 | 2.81 | 2.85 | 1432 | 1432 | 1 | 200 | 286372 | 0 |
| | 3 | 2.89 | 2.87 | 2.91 | 5768 | 5768 | 1 | 200 | 1153637 | 0 |
| Aroclor-1232 | 1 | 2.89 | 2.87 | 2.91 | 5649 | 5649 | 1 | 200 | 1129805 | 0 |
| | 2 | 3.22 | 3.20 | 3.24 | 2698 | 2698 | 1 | 200 | 539531 | 0 |
| | 3 | 3.41 | 3.39 | 3.43 | 2875 | 2875 | 1 | 200 | 575095 | 0 |
| | 4 | 3.49 | 3.47 | 3.51 | 2821 | 2821 | 1 | 200 | 564244 | 0 |
| | 5 | 3.65 | 3.63 | 3.67 | 2208 | 2208 | 1 | 200 | 441550 | 0 |
| | 6 | 3.74 | 3.72 | 3.76 | 2028 | 2028 | 1 | 200 | 405526 | 0 |

# 6F
# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274B  Calibration File: 25PCBS1620701B

GC Column (2) : MR-2  ID: 0.32 (mm)  Date(s) Analyzed: 7/25/2016  7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1242 | 1 | 2.89 | 2.87 | 2.91 | 2967 | 2967 | 1 | 200 | 593372 | 0 |
| | 2 | 3.22 | 3.20 | 3.24 | 3672 | 3672 | 1 | 200 | 734436 | 0 |
| | 3 | 3.41 | 3.39 | 3.43 | 3874 | 3874 | 1 | 200 | 774769 | 0 |
| | 4 | 3.49 | 3.47 | 3.51 | 3750 | 3750 | 1 | 200 | 750070 | 0 |
| | 5 | 3.65 | 3.63 | 3.67 | 3369 | 3369 | 1 | 200 | 673812 | 0 |
| | 6 | 3.74 | 3.72 | 3.76 | 2935 | 2935 | 1 | 200 | 587066 | 0 |
| Aroclor-1248 | 1 | 3.52 | 3.50 | 3.54 | 5815 | 5356 | 1 | 50 | 290763 | 7 |
| | | | | | 5622 | | 2 | 100 | 562155 | |
| | | | | | 5352 | | 3 | 200 | 1070339 | |
| | | | | | 4984 | | 4 | 500 | 2491853 | |
| | | | | | 5010 | | 5 | 1000 | 5009640 | |
| | 2 | 3.65 | 3.63 | 3.67 | 6935 | 6476 | 1 | 50 | 346761 | 7 |
| | | | | | 6962 | | 2 | 100 | 696200 | |
| | | | | | 6174 | | 3 | 200 | 1234787 | |
| | | | | | 6253 | | 4 | 500 | 3126730 | |
| | | | | | 6057 | | 5 | 1000 | 6057200 | |
| | 3 | 3.74 | 3.72 | 3.76 | 4836 | 4726 | 1 | 50 | 241820 | 4 |
| | | | | | 4965 | | 2 | 100 | 496524 | |
| | | | | | 4783 | | 3 | 200 | 956583 | |
| | | | | | 4543 | | 4 | 500 | 2271459 | |
| | | | | | 4505 | | 5 | 1000 | 4504551 | |
| | 4 | 3.87 | 3.85 | 3.89 | 9074 | 8983 | 1 | 50 | 453692 | 2 |
| | | | | | 9212 | | 2 | 100 | 921207 | |
| | | | | | 8957 | | 3 | 200 | 1791405 | |
| | | | | | 8733 | | 4 | 500 | 4366342 | |
| | | | | | 8939 | | 5 | 1000 | 8939467 | |
| | 5 | 4.23 | 4.21 | 4.25 | 4238 | 4051 | 1 | 50 | 211887 | 3 |
| | | | | | 4043 | | 2 | 100 | 404259 | |
| | | | | | 4030 | | 3 | 200 | 806015 | |
| | | | | | 3990 | | 4 | 500 | 1995121 | |
| | | | | | 3954 | | 5 | 1000 | 3953554 | |
| | 6 | 4.39 | 4.37 | 4.41 | 2411 | 2428 | 1 | 50 | 120525 | 2 |
| | | | | | 2477 | | 2 | 100 | 247653 | |
| | | | | | 2494 | | 3 | 200 | 498886 | |
| | | | | | 2410 | | 4 | 500 | 1204783 | |
| | | | | | 2349 | | 5 | 1000 | 2349313 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 4.17 | 4.15 | 4.19 | 7501 | 7321 | 1 | 50 | 375072 | 4 |
| | | | | | 7505 | | 2 | 100 | 750537 | |
| | | | | | 6902 | | 3 | 250 | 1725462 | |
| | | | | | 7446 | | 4 | 500 | 3723030 | |
| | | | | | 7249 | | 5 | 1000 | 7249418 | |
| | 2 | 4.23 | 4.21 | 4.25 | 12841 | 12729 | 1 | 50 | 642044 | 4 |
| | | | | | 12671 | | 2 | 100 | 1267103 | |
| | | | | | 11985 | | 3 | 250 | 2996254 | |
| | | | | | 13086 | | 4 | 500 | 6542918 | |
| | | | | | 13062 | | 5 | 1000 | 13062430 | |
| | 3 | 4.32 | 4.30 | 4.34 | 6325 | 5997 | 1 | 50 | 316233 | 5 |
| | | | | | 6142 | | 2 | 100 | 614241 | |
| | | | | | 5588 | | 3 | 250 | 1397008 | |
| | | | | | 6052 | | 4 | 500 | 3026052 | |
| | | | | | 5880 | | 5 | 1000 | 5879937 | |
| | 4 | 4.39 | 4.37 | 4.41 | 8087 | 8092 | 1 | 50 | 404342 | 3 |
| | | | | | 8085 | | 2 | 100 | 808512 | |
| | | | | | 7708 | | 3 | 250 | 1926893 | |
| | | | | | 8374 | | 4 | 500 | 4187104 | |
| | | | | | 8204 | | 5 | 1000 | 8204182 | |
| | 5 | 4.45 | 4.43 | 4.47 | 5211 | 4852 | 1 | 50 | 260530 | 5 |
| | | | | | 4865 | | 2 | 100 | 486479 | |
| | | | | | 4569 | | 3 | 250 | 1142276 | |
| | | | | | 4911 | | 4 | 500 | 2455402 | |
| | | | | | 4707 | | 5 | 1000 | 4706802 | |
| | 6 | 4.60 | 4.58 | 4.62 | 5597 | 5653 | 1 | 50 | 279837 | 4 |
| | | | | | 5493 | | 2 | 100 | 549307 | |
| | | | | | 5366 | | 3 | 250 | 1341442 | |
| | | | | | 5856 | | 4 | 500 | 2927844 | |
| | | | | | 5952 | | 5 | 1000 | 5951903 | |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 4.31 | 4.29 | 4.33 | 10334 | 9709 | 1 | 50 | 516708 | 4 |
| | | | | | 9880 | | 2 | 100 | 987956 | |
| | | | | | 9405 | | 3 | 200 | 1880992 | |
| | | | | | 9386 | | 4 | 500 | 4692886 | |
| | | | | | 9538 | | 5 | 1000 | 9538450 | |
| | 2 | 4.45 | 4.43 | 4.47 | 11176 | 10989 | 1 | 50 | 558781 | 2 |
| | | | | | 11041 | | 2 | 100 | 1104068 | |
| | | | | | 10939 | | 3 | 200 | 2187877 | |
| | | | | | 10626 | | 4 | 500 | 5312826 | |
| | | | | | 11166 | | 5 | 1000 | 11165600 | |
| | 3 | 4.55 | 4.53 | 4.57 | 9262 | 9165 | 1 | 50 | 463124 | 1 |
| | | | | | 9253 | | 2 | 100 | 925349 | |
| | | | | | 9038 | | 3 | 200 | 1807632 | |
| | | | | | 9086 | | 4 | 500 | 4542856 | |
| | | | | | 9186 | | 5 | 1000 | 9185713 | |
| | 4 | 4.90 | 4.88 | 4.92 | 7327 | 7305 | 1 | 50 | 366371 | 1 |
| | | | | | 7234 | | 2 | 100 | 723434 | |
| | | | | | 7310 | | 3 | 200 | 1461923 | |
| | | | | | 7220 | | 4 | 500 | 3609876 | |
| | | | | | 7432 | | 5 | 1000 | 7431988 | |
| | 5 | 5.09 | 5.07 | 5.11 | 15162 | 16191 | 1 | 50 | 758114 | 6 |
| | | | | | 15901 | | 2 | 100 | 1590138 | |
| | | | | | 16167 | | 3 | 200 | 3233497 | |
| | | | | | 15992 | | 4 | 500 | 7995832 | |
| | | | | | 17733 | | 5 | 1000 | 17733230 | |
| | 6 | 5.35 | 5.33 | 5.37 | 10619 | 10849 | 1 | 50 | 530936 | 2 |
| | | | | | 10800 | | 2 | 100 | 1080014 | |
| | | | | | 10667 | | 3 | 200 | 2133306 | |
| | | | | | 10872 | | 4 | 500 | 5435908 | |
| | | | | | 11287 | | 5 | 1000 | 11286940 | |
| Aroclor-1262 | 1 | 4.71 | 4.69 | 4.73 | 12434 | 12434 | 1 | 200 | 2486755 | 0 |
| | 2 | 4.90 | 4.88 | 4.92 | 12687 | 12687 | 1 | 200 | 2537413 | 0 |
| | 3 | 5.09 | 5.07 | 5.11 | 23284 | 23284 | 1 | 200 | 4656810 | 0 |
| | 4 | 5.30 | 5.28 | 5.32 | 9599 | 9599 | 1 | 200 | 1919848 | 0 |
| | 5 | 5.35 | 5.33 | 5.37 | 15888 | 15888 | 1 | 200 | 3177636 | 0 |
| | 6 | 5.73 | 5.71 | 5.75 | 8536 | 8536 | 1 | 200 | 1707266 | 0 |

6F

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1620701B

GC Column (2) : MR-2 ID: 0.32 (mm) Date(s) Analyzed: 7/25/2016 7/25/2016

| COMPOUND | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR | AVERAGE CF | LEVEL | AMOUNT | PEAK HEIGHT | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1268 | 1 | 5.31 | 5.29 | 5.33 | 28558 | 28558 | 1 | 200 | 5711505 | 0 |
| | 2 | 5.35 | 5.33 | 5.37 | 27644 | 27644 | 1 | 200 | 5528721 | 0 |
| | 3 | 5.51 | 5.49 | 5.53 | 24224 | 24224 | 1 | 200 | 4844822 | 0 |
| | 4 | 5.57 | 5.55 | 5.59 | 5817 | 5817 | 1 | 200 | 1163419 | 0 |
| | 5 | 5.73 | 5.71 | 5.75 | 9799 | 9799 | 1 | 200 | 1959780 | 0 |
| | 6 | 5.93 | 5.91 | 5.95 | 80577 | 80577 | 1 | 200 | 16115480 | 0 |

File Name: V:\CP25\25PCBS1620701b.CAL
Version: 8

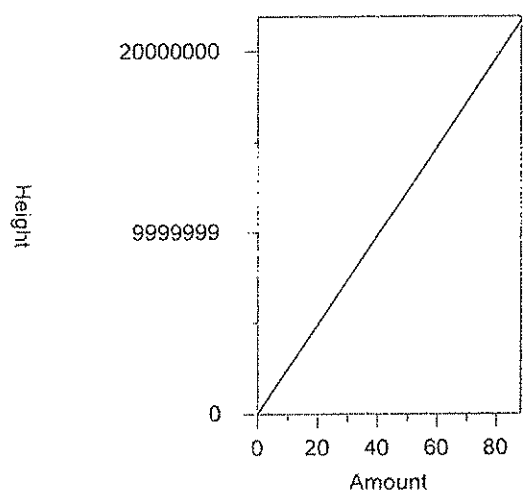
Creator:
Description:
Reason for change:

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: 2.601 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

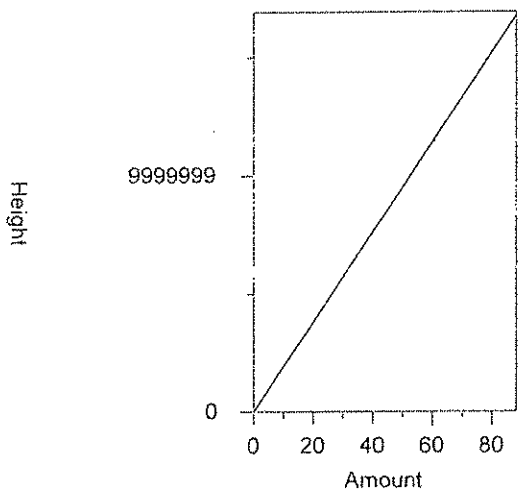
Single peak quantification by height

Y = 245612.3 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996338
Average error: 1.247%
Average CF: 245612.3
RSD: 1.582%

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 4.01 | 964507.3 | 240525.5 | -2.071 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.BND |
| 2 | 20.05 | 4873008 | 243042.8 | -1.046 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.BND |
| 3 | 40.1 | 1.002941E+07 | 250110 | 1.831 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.BND |
| 4 | 60.952 | 1.499587E+07 | 246027.5 | 0.169 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.BND |
| 5 | 80.2 | 1.991811E+07 | 248355.5 | 1.117 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.BND |

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 = 190237.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996699
Average error: 1.190%
Average CF: 190237.8
RSD: 1.431%

| Level | Amount | Response | Cal Factor | Error, % | Source |
|---|---|---|---|---|---|
| 1 | 4.004 | 777580.2 | 194200.8 | 2.083 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.BND |
| 2 | 20.02 | 3779903 | 188806.3 | -0.752 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.BND |
| 3 | 40.04 | 7539095 | 188289.1 | -1.024 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.BND |
| 4 | 60.86 | 1.143905E+07 | 187956.8 | -1.199 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.BND |
| 5 | 80.08 | 1.537022E+07 | 191935.8 | 0.893 | \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.BND |

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 07/25/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:16

Lab File ID: 25PCBS16207001.0029.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: IC16XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 42.14 | 40.08 | 5 |
| Decachlorobiphenyl | 6.65 | 6.61 | 6.67 | 39.26 | 40.08 | -2 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 209.64 | 200.40 | 5 |
| | 3.41 | 3.39 | 3.43 | | | |
| | 3.53 | 3.51 | 3.55 | | | |
| | 3.75 | 3.73 | 3.77 | | | |
| | 3.81 | 3.79 | 3.83 | | | |
| | 4.00 | 3.98 | 4.02 | | | |
| Aroclor-1260 | 4.78 | 4.76 | 4.80 | 201.44 | 201.80 | 0 |
| | 4.99 | 4.96 | 5.00 | | | |
| | 5.26 | 5.23 | 5.27 | | | |
| | 5.42 | 5.40 | 5.44 | | | |
| | 5.66 | 5.64 | 5.68 | | | |
| | 5.87 | 5.84 | 5.88 | | | |

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: 07/25/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:16

Lab File ID: 25PCBS16207001B.0029.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC16XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 43.89 | 40.08 | 10 |
| Decachlorobiphenyl | 6.09 | 6.05 | 6.11 | 40.88 | 40.08 | 2 |
| Aroclor-1016 | 2.89 | 2.87 | 2.91 | 207.50 | 200.40 | 4 |
| | 3.22 | 3.19 | 3.23 | | | |
| | 3.41 | 3.39 | 3.43 | | | |
| | 3.48 | 3.46 | 3.50 | | | |
| | 3.65 | 3.63 | 3.67 | | | |
| | 3.74 | 3.72 | 3.76 | | | |
| Aroclor-1260 | 4.32 | 4.29 | 4.33 | 206.45 | 201.80 | 2 |
| | 4.45 | 4.43 | 4.47 | | | |
| | 4.56 | 4.53 | 4.57 | | | |
| | 4.90 | 4.88 | 4.92 | | | |
| | 5.09 | 5.07 | 5.11 | | | |
| | 5.35 | 5.33 | 5.37 | | | |

Compounds 14 Average of %D: 5

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 07/25/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:28

Lab File ID: 25PCBS16207001.0030.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: IC48XAA Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 43.82 | 40.10 | 9 |
| Decachlorobiphenyl | 6.65 | 6.61 | 6.67 | 39.06 | 40.04 | -2 |
| Aroclor-1248 | 3.81 | 3.79 | 3.83 | 212.34 | 200.00 | 6 |
| | 3.88 | 3.85 | 3.89 | | | |
| | 4.00 | 3.98 | 4.02 | | | |
| | 4.09 | 4.07 | 4.11 | | | |
| | 4.27 | 4.25 | 4.29 | | | |
| | 4.66 | 4.64 | 4.68 | | | |

Compounds 8 Average of %D: 6

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274B  Date Analyzed: 07/25/16

GC Column (2) : MR-2  ID: .32 (mm)  Time Analyzed: 22:28

Lab File ID: 25PCBS16207001B.0030.RAW  Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC48XAA  Init. Calib Date(s): 07/25/16  07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 43.72 | 40.10 | 9 |
| Decachlorobiphenyl | 6.09 | 6.05 | 6.11 | 42.89 | 40.04 | 7 |
| Aroclor-1248 | 3.52 | 3.50 | 3.54 | 214.33 | 200.00 | 7 |
| | 3.65 | 3.63 | 3.67 | | | |
| | 3.74 | 3.72 | 3.76 | | | |
| | 3.87 | 3.85 | 3.89 | | | |
| | 4.23 | 4.21 | 4.25 | | | |
| | 4.39 | 4.37 | 4.41 | | | |

Compounds 8  Average of %D: 8

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274A  Date Analyzed: 07/25/16

GC Column (1) : MR-1  ID: .32 (mm)  Time Analyzed: 22:40

Lab File ID: 25PCBS16207001.0031.RAW  Initial Calibration: 25PCBS1620701

Lab Standard ID: IC54XAA  Init. Calib Date(s): 07/25/16  07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 20.66 | 19.99 | 3 |
| Decachlorobiphenyl | 6.65 | 6.61 | 6.67 | 20.07 | 20.00 | 0 |
| Aroclor-1254 | 4.26 | 4.23 | 4.27 | 241.16 | 251.50 | -4 |
| | 4.60 | 4.58 | 4.62 | | | |
| | 4.66 | 4.64 | 4.68 | | | |
| | 4.79 | 4.77 | 4.81 | | | |
| | 4.88 | 4.86 | 4.90 | | | |
| | 5.08 | 5.06 | 5.10 | | | |

Compounds 8  Average of %D: 2

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories  Contract:

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

Instrument: 18274B  Date Analyzed: 07/25/16

GC Column (2) : MR-2  ID: .32 (mm)  Time Analyzed: 22:40

Lab File ID: 25PCBS16207001B.0031.RAW  Initial Calibration: 25PCBS1620701B

Lab Standard ID: IC54XAA  Init. Calib Date(s): 07/25/16  07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT | NOM AMOUNT | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 20.76 | 19.99 | 4 |
| Decachlorobiphenyl | 6.09 | 6.05 | 6.11 | 19.75 | 20.00 | -1 |
| Aroclor-1254 | 4.17 | 4.15 | 4.19 | 241.50 | 251.50 | -4 |
| | 4.23 | 4.21 | 4.25 | | | |
| | 4.32 | 4.30 | 4.34 | | | |
| | 4.39 | 4.37 | 4.41 | | | |
| | 4.46 | 4.43 | 4.47 | | | |
| | 4.60 | 4.58 | 4.62 | | | |

Compounds 8  Average of %D: 3

7E

# CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/15/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 10:08

Lab File ID: 25PCBS16207035.0005.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163CN Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.93 | 2.90 | 2.96 | 41.98 | 40.08 | 5 |
| Decachlorobiphenyl | 6.63 | 6.61 | 6.67 | 42.99 | 40.08 | 7 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 204.05 | 202.00 | 1 |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.52 | 3.51 | 3.55 | | | |
| | 3.74 | 3.73 | 3.77 | | | |
| | 3.80 | 3.79 | 3.83 | | | |
| | 3.99 | 3.98 | 4.02 | | | |
| Aroclor-1260 | 4.77 | 4.76 | 4.80 | 214.00 | 201.64 | 6 |
| | 4.97 | 4.96 | 5.00 | | | |
| | 5.24 | 5.23 | 5.27 | | | |
| | 5.41 | 5.40 | 5.44 | | | |
| | 5.65 | 5.64 | 5.68 | | | |
| | 5.86 | 5.84 | 5.88 | | | |

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: 09/15/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 10:08

Lab File ID: 25PCBS16207035B.0005.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163CN Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 42.89 | 40.08 | 7 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 40.97 | 40.08 | 2 |
| Aroclor-1016 | 2.88 | 2.87 | 2.91 | 213.42 | 202.00 | 6 |
| | 3.21 | 3.19 | 3.23 | | | |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.48 | 3.46 | 3.50 | | | |
| | 3.64 | 3.63 | 3.67 | | | |
| | 3.73 | 3.72 | 3.76 | | | |
| Aroclor-1260 | 4.31 | 4.29 | 4.33 | 214.08 | 201.64 | 6 |
| | 4.44 | 4.43 | 4.47 | | | |
| | 4.55 | 4.53 | 4.57 | | | |
| | 4.89 | 4.88 | 4.92 | | | |
| | 5.08 | 5.07 | 5.11 | | | |
| | 5.34 | 5.33 | 5.37 | | | |

Compounds 14 Average of %D: 5

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/15/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 14:17

Lab File ID: 25PCBS16207035.0027.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163CO Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.92 | 2.90 | 2.96 | 41.39 | 40.08 | 3 |
| Decachlorobiphenyl | 6.63 | 6.61 | 6.67 | 42.99 | 40.08 | 7 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 205.17 | 202.00 | 2 |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.52 | 3.51 | 3.55 | | | |
| | 3.74 | 3.73 | 3.77 | | | |
| | 3.80 | 3.79 | 3.83 | | | |
| | 3.99 | 3.98 | 4.02 | | | |
| Aroclor-1260 | 4.77 | 4.76 | 4.80 | 208.33 | 201.64 | 3 |
| | 4.97 | 4.96 | 5.00 | | | |
| | 5.24 | 5.23 | 5.27 | | | |
| | 5.41 | 5.40 | 5.44 | | | |
| | 5.65 | 5.64 | 5.68 | | | |
| | 5.86 | 5.84 | 5.88 | | | |

Compounds 14 Average of %D: 4

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/15/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 14:17

Lab File ID: 25PCBS16207035B.0027.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163CO Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 42.82 | 40.08 | 7 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 40.93 | 40.08 | 2 |
| Aroclor-1016 | 2.88 | 2.87 | 2.91 | 210.60 | 202.00 | 4 |
| | 3.21 | 3.19 | 3.23 | | | |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.48 | 3.46 | 3.50 | | | |
| | 3.64 | 3.63 | 3.67 | | | |
| | 3.73 | 3.72 | 3.76 | | | |
| Aroclor-1260 | 4.31 | 4.29 | 4.33 | 212.34 | 201.64 | 5 |
| | 4.44 | 4.43 | 4.47 | | | |
| | 4.55 | 4.53 | 4.57 | | | |
| | 4.89 | 4.88 | 4.92 | | | |
| | 5.08 | 5.07 | 5.11 | | | |
| | 5.34 | 5.33 | 5.37 | | | |

Compounds 14 Average of %D: 5

# 7E
## CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/15/16

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 17:21

Lab File ID: 25PCBS16207035.0043.RAW Initial Calibration: 25PCBS1620701

Lab Standard ID: AR163CP Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.92 | 2.90 | 2.96 | 40.83 | 40.08 | 2 |
| Decachlorobiphenyl | 6.63 | 6.61 | 6.67 | 42.09 | 40.08 | 5 |
| Aroclor-1016 | 3.19 | 3.17 | 3.21 | 205.94 | 202.00 | 2 |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.52 | 3.51 | 3.55 | | | |
| | 3.74 | 3.73 | 3.77 | | | |
| | 3.80 | 3.79 | 3.83 | | | |
| | 3.99 | 3.98 | 4.02 | | | |
| Aroclor-1260 | 4.77 | 4.76 | 4.80 | 218.90 | 201.64 | 9 |
| | 4.97 | 4.96 | 5.00 | | | |
| | 5.24 | 5.23 | 5.27 | | | |
| | 5.41 | 5.40 | 5.44 | | | |
| | 5.65 | 5.64 | 5.68 | | | |
| | 5.85 | 5.84 | 5.88 | | | |

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: 09/15/16

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 17:21

Lab File ID: 25PCBS16207035B.0043.RAW Initial Calibration: 25PCBS1620701B

Lab Standard ID: AR163CP Init. Calib Date(s): 07/25/16 07/25/16

Calibration: 25PCBS1620701B

| COMPOUND | RT | RT WINDOW FROM | TO | CALC AMOUNT (ug/l) | NOM AMOUNT (ug/l) | %D |
|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.60 | 2.57 | 2.63 | 43.43 | 40.08 | 8 |
| Decachlorobiphenyl | 6.08 | 6.05 | 6.11 | 42.95 | 40.08 | 7 |
| Aroclor-1016 | 2.88 | 2.87 | 2.91 | 219.18 | 202.00 | 9 |
| | 3.21 | 3.19 | 3.23 | | | |
| | 3.40 | 3.39 | 3.43 | | | |
| | 3.48 | 3.46 | 3.50 | | | |
| | 3.64 | 3.63 | 3.67 | | | |
| | 3.73 | 3.72 | 3.76 | | | |
| Aroclor-1260 | 4.31 | 4.29 | 4.33 | 220.87 | 201.64 | 10 |
| | 4.44 | 4.43 | 4.47 | | | |
| | 4.54 | 4.53 | 4.57 | | | |
| | 4.89 | 4.88 | 4.92 | | | |
| | 5.08 | 5.07 | 5.11 | | | |
| | 5.34 | 5.33 | 5.37 | | | |

Compounds 14 Average of %D: 9

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS16207001
Instrument P 25--18274A

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

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 2855 | 25PCBS16207001.0001 | CONDITIONER | | 7/25/16 16:49 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0002 | CONDITIONER | | 7/25/16 17:01 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0003 | CONDITIONER | | 7/25/16 17:12 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0004 | CONDITIONER | | 7/25/16 17:24 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0005 | IBLKX1624A | PIBLKAA | 7/25/16 17:36 | 1620699999 | 10.00 |
| 2855 | 25PCBS16207001.0006 | EVALX1624A | EVALXAA | 7/25/16 17:47 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0007 | AR1611624B | AR161AA | 7/25/16 17:59 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0008 | AR1621624B | AR162AA | 7/25/16 18:11 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0009 | AR1631624B | AR163AA | 7/25/16 18:23 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0010 | AR1641624B | AR164AA | 7/25/16 18:34 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0011 | AR1651624B | AR165AA | 7/25/16 18:46 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0012 | AR4811624A | AR481AA | 7/25/16 18:57 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0013 | AR4821624A | AR482AA | 7/25/16 19:09 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0014 | AR4831624A | AR483AA | 7/25/16 19:21 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0015 | AR4841624A | AR484AA | 7/25/16 19:33 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0016 | AR4851624A | AR485AA | 7/25/16 19:44 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0017 | AR5411624A | AR541AA | 7/25/16 19:56 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0018 | AR5421624B | AR542AA | 7/25/16 20:08 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0019 | AR5431624A | AR543AA | 7/25/16 20:19 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0020 | AR5441624A | AR544AA | 7/25/16 20:31 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0021 | AR5451624A | AR545AA | 7/25/16 20:42 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0022 | AR6231624A | AR623AA | 7/25/16 20:54 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0023 | AR6831624B | AR683AA | 7/25/16 21:06 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0024 | AR2131624A | AR213AA | 7/25/16 21:18 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0025 | AR3231624A | AR323AA | 7/25/16 21:29 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0026 | AR4231624A | AR423AA | 7/25/16 21:41 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0027 | AR16XX1624B | AR16XAA | 7/25/16 21:53 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0028 | MD16X1624B | MD16XAA | 7/25/16 22:04 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0029 | IC16X1624B | IC16XAA | 7/25/16 22:16 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0030 | IC48X1624A | IC48XAA | 7/25/16 22:28 | 1620699999 | 1.00 |
| 2855 | 25PCBS16207001.0031 | IC54X1624A | IC54XAA | 7/25/16 22:40 | 1620699999 | 1.00 |

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS16207035
Instrument P 25--18274A

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

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 25PCBS16207035.0001 | CONDITIONER | | 9/15/16 9:23 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0002 | CONDITIONER | | 9/15/16 9:34 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0003 | CONDITIONER | | 9/15/16 9:46 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0004 | CONDITIONER | | 9/15/16 9:57 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0005 | AR1631624B | AR163CN | 9/15/16 10:08 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0006 | IBLKX1624B | PIBLKLY | 9/15/16 10:19 | 1625899999 | 10.00 |
| 9065 | 25PCBS16207035.0007 | BLANKA 9/13/16 ACF | PBLK08257 | 9/15/16 10:31 | 162570008A | 10.00 |
| 9065 | 25PCBS16207035.0008 | LCSA 9/13/16 ACF | LCS08257 | 9/15/16 10:42 | 162570008A | 10.00 |
| 9065 | 25PCBS16207035.0009 | 8577888ACF DF5 | ATW15 | 9/15/16 10:53 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0010 | 8577888MSACF DF5 | ATW15MS | 9/15/16 11:05 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0011 | 8577888MSDACF DF | ATW15MSD | 9/15/16 11:16 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0012 | 8577889ACF | ATW16 | 9/15/16 11:27 | 162570008A | 10.00 |
| 9065 | 25PCBS16207035.0013 | 8577890ACF DF5 | ATW17 | 9/15/16 11:38 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0014 | 8577891ACF | ATW18 | 9/15/16 11:50 | 162570008A | 10.00 |
| 9065 | 25PCBS16207035.0015 | 8577892ACF DF20 | ATW19 | 9/15/16 12:01 | 162570008A | 200.00 |
| 9065 | 25PCBS16207035.0016 | 8577892ACF DF50 | ATW19 | 9/15/16 12:12 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0017 | 8577893ACF DF50 | ATW20 | 9/15/16 12:24 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0018 | 8577894ACF DF5 | ATW21 | 9/15/16 12:35 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0019 | 8577895ACF DF50 | ATW22 | 9/15/16 12:46 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0020 | 8577896ACF DF10 | ATW40 | 9/15/16 12:57 | 162570008A | 100.00 |
| 9065 | 25PCBS16207035.0021 | 8577897ACF DF20 | ATW41 | 9/15/16 13:09 | 162570008A | 200.00 |
| 9065 | 25PCBS16207035.0022 | 8577898ACF DF50 | ATW42 | 9/15/16 13:20 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0023 | 8577899ACF DF50 | ATW43 | 9/15/16 13:31 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0024 | 8577900ACF DF50 | ATW44 | 9/15/16 13:42 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0025 | 8577901ACF DF20 | ATW45 | 9/15/16 13:54 | 162570008A | 200.00 |
| 9065 | 25PCBS16207035.0026 | 8577902ACF DF50 | ATW46 | 9/15/16 14:05 | 162570008A | 500.00 |
| 9065 | 25PCBS16207035.0027 | AR1631624B | AR163CO | 9/15/16 14:17 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0028 | IBLKX1624B | PIBLKLZ | 9/15/16 14:28 | 1625899999 | 10.00 |
| 9065 | 25PCBS16207035.0029 | 8577903ACF DF20 | ATW47 | 9/15/16 14:39 | 162570008A | 200.00 |
| 9065 | 25PCBS16207035.0030 | 8577904ACF DF5 | ATW48 | 9/15/16 14:51 | 162570008A | 50.00 |
| 9065 | 25PCBS16207035.0031 | 8577905ACF DF10 | ATW49 | 9/15/16 15:02 | 162570008A | 100.00 |
| 9065 | 25PCBS16207035.0032 | 8577906ACF DF20 | ATW50 | 9/15/16 15:13 | 162570008A | 200.00 |
| 9065 | 25PCBS16207035.0033 | BLANKA 9/13/16 AF | PBLK13257 | 9/15/16 15:25 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0034 | LCSA 9/13/16 AF | LCS13257 | 9/15/16 15:36 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0035 | LCSDA 9/13/16 AF | LCSD13257 | 9/15/16 15:47 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0036 | 8574780AF | 06101 | 9/15/16 15:59 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0037 | 8574782AF | 06103 | 9/15/16 16:10 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0038 | 8574784AF | 79001 | 9/15/16 16:21 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0039 | 8575302AF | 92201 | 9/15/16 16:36 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0040 | 8575436AF | 28271 | 9/15/16 16:47 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0041 | 8577929AF | 965PW | 9/15/16 16:58 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0042 | 8578368AF | 29712 | 9/15/16 17:10 | 162570013A | 10.00 |
| 9065 | 25PCBS16207035.0043 | AR1631624B | AR163CP | 9/15/16 17:21 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0044 | IBLKX1624B | PIBLKMA | 9/15/16 17:32 | 1625899999 | 10.00 |
| 9065 | 25PCBS16207035.0045 | BLANKA 9/13/16 ACF | PBLK31254 | 9/15/16 17:44 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0046 | LCSA 9/13/16 ACF | LCS31254 | 9/15/16 17:55 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0047 | 8564883ACF | LOH01 | 9/15/16 18:06 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0048 | 8564884ACF | LOH02 | 9/15/16 18:17 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0049 | 8566686ACF | MILS1 | 9/15/16 18:29 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0050 | 8566687ACF | MILS2 | 9/15/16 18:40 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0051 | 8566688ACF | MILS3 | 9/15/16 18:51 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0052 | 8566689ACF | MILS4 | 9/15/16 19:03 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0053 | 8566690ACF | MILS5 | 9/15/16 19:14 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0054 | 8566693ACF | MILS6 | 9/15/16 19:25 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0055 | AR1631624B | AR163CQ | 9/15/16 19:37 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0056 | IBLKX1624B | PIBLKMB | 9/15/16 19:48 | 1625899999 | 10.00 |

| Operator | File | LLI# | Client ID | Analysis Date | Batch | Dilution Factor |
|---|---|---|---|---|---|---|
| 9065 | 25PCBS16207035.0057 | 8566694ACF | MILS7 | 9/15/16 19:59 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0058 | 8566694MSACF | MILS7MS | 9/15/16 20:10 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0059 | 8566694MSDACF | MILS7MSD | 9/15/16 20:22 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0060 | 8566695ACF | MILS8 | 9/15/16 20:33 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0061 | 8566696ACF | MILS9 | 9/15/16 20:44 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0062 | 8566697ACF | MIS10 | 9/15/16 20:56 | 162540031A | 10.00 |
| 9065 | 25PCBS16207035.0063 | AR1631624B | AR163CR | 9/15/16 21:07 | 1625899999 | 1.00 |
| 9065 | 25PCBS16207035.0064 | IBLKX1624B | PIBLKMC | 9/15/16 21:18 | 1625899999 | 10.00 |

# Sample Data

# Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

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

**SDG: ATD58**

**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: 8577888** ACF DF5 ATW15 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis:. 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:53:59 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0009.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 97% ( 46 - 148 ) Conc: 27.65687
%SSR(DCB) 139% ( 49 - 139 ) Conc: 39.78846

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:53:59 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0009.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 91% ( 46 - 148 ) Conc: 26.08893
%SSR(DCB) 113% ( 49 - 139 ) Conc: 32.19421

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **26.20** | |
| 4.76 | 4.77 | 4.80 | 1719701 | 2107.169575 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2413657 | 2733.235601 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1664286 | 3096.124543 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2195812 | 3264.794459 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6129149 | 4365.953861 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3358442 | 4195.199209 | | | 6 |

Height summation: **17481047**
Concentration CF: **3293.746208** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **28.55** | |
| 4.29 | 4.31 | 4.33 | 4090774 | 2055.397834 | | | 1 |
| 4.43 | 4.44 | 4.47 | 5742664 | 2549.095241 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4316509 | 2297.423508 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4875259 | 3255.712337 | | | 4 |
| 5.07 | 5.08 | 5.11 | 14147970 | 4262.46693 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8186628 | 3681.021242 | | | 6 |

Height summation: **41359804**
Concentration CF: **3016.852849** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ PCB-1016 | | | <248.7805 | <48.2927 | | | 4 | |
| ☐ PCB-1221 | | | <248.7805 | <74.6341 | | | 3 | |
| ☐ PCB-1232 | | | <248.7805 | <60 | | | 4 | |
| ☐ PCB-1242 | | | <248.7805 | <60 | | | 4 | |
| ☐ PCB-1248 | | | <248.7805 | <48.2927 | | | 4 | |
| ☐ PCB-1254 | | | <248.7805 | <64.3902 | | | 4 | |
| ☐ PCB-1260 | A | 3293.746208 | 248.7805 | 57.0732 | | 8.78 | 4 | |
| ☐ PCB-1262 | | | <248.7805 | <48.2927 | | | 4 | |
| ☐ PCB-1268 | | | <248.7805 | <48.2927 | | | 4 | |
| ☐ Total PCBs | A | 3293.746208 | 248.7805 | 48.2927 | | | | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 767076 | 27.65687 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1313591 | 26.08893 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 545213 | 39.78846 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1255534 | 32.19421 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | A | 27.65687 | | | | 5.83 | |
| ☐ Decachlorobiphenyl | A | 39.78846 | | | | 21.10 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577888** ACF DF5 ATW15 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:53:59 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0009.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 97% ( 46 - 148 ) Conc: 27.65687
%SSR(DCB) 139% ( 49 - 139 ) Conc: 39.78846

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:53:59 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0009.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 91% ( 46 - 148 ) Conc: 26.08893
%SSR(DCB) 113% ( 49 - 139 ) Conc: 32.19421

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **26.20** | |
| 4.76 | 4.77 | 4.80 | 1719701 | 2107.169575 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2413657 | 2733.235601 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1664286 | 3096.124543 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2195812 | 3264.794459 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6129149 | 4365.953861 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3358442 | 4195.199209 | | | 6 |

Height summation: **17481047**
Concentration CF: **3293.746208** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **28.55** | |
| 4.29 | 4.31 | 4.33 | 4090774 | 2055.397834 | | | 1 |
| 4.43 | 4.44 | 4.47 | 5742664 | 2549.095241 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4316509 | 2297.423508 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4875259 | 3255.712337 | | | 4 |
| 5.07 | 5.08 | 5.11 | 14147970 | 4262.46693 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8186628 | 3681.021242 | | | 6 |

Height summation: **41359804**
Concentration CF: **3016.852849** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <248.7805 | <48.2927 | | | 4 | |
| ☑ | PCB-1221 | | | <248.7805 | <74.6341 | | | 3 | |
| ☑ | PCB-1232 | | | <248.7805 | <60 | | | 4 | |
| ☑ | PCB-1242 | | | <248.7805 | <60 | | | 4 | |
| ☑ | PCB-1248 | | | <248.7805 | <48.2927 | | | 4 | |
| ☑ | PCB-1254 | | | <248.7805 | <64.3902 | | | 4 | |
| ☑ | PCB-1260 | A | 3293.746208 | 248.7805 | 57.0732 | | 8.78 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 767076 | 27.65687 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1313591 | 26.08893 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 545213 | 39.78846 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1255534 | 32.19421 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ | Tetrachloro-m-xylene | A | 27.65687 | | | | 5.83 | |
| ☑ | Decachlorobiphenyl | A | 39.78846 | | | | 21.10 | |

Units: ug/kg

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

Reviewed by: Kirby R. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** ACF DF5 ATW15 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:53:59
Instrument : P 25--18274A
Result file : 25PCBS16207035.0009.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 97% (46-148) Conc.: 27.65687
%SSR(DCB) : 139% (49-139) Conc.: 39.78846

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 43.79 | |
| 3.17 | 3.18 | 3.21 | 3398.119 | 7.240018 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9766.906 | 21.16907 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4022.856 | 7.176029 | | | 3 |
| 3.73 | 3.74 | 3.77 | 13748.99 | 21.63418 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8097.819 | 14.962669 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8207.19 | 19.658579 | | | 6 |
| Height Summation: | | | 47241.88 | | | | |
| Amount Avg CF: | | | 15.306758 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 43.21 | |
| 3.07 | 3.07 | 3.11 | 1152.266 | 4.787885 | | | 1 |
| 3.13 | 3.13 | 3.17 | 2027.934 | 10.011194 | | | 2 |
| 3.17 | 3.18 | 3.21 | 3398.119 | 5.260354 | | | 3 |
| Height Summation: | | | 6578.319 | | | | |
| Amount Avg CF: | | | 6.686478 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 54.65 | |
| 3.17 | 3.18 | 3.21 | 3398.119 | 5.415587 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9766.906 | 38.09982 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4022.856 | 12.873775 | | | 3 |
| 3.73 | 3.74 | 3.77 | 13748.99 | 39.532252 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8097.819 | 27.67989 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2298.707 | 7.857419 | | | 5 |
| 3.99 | 3.99 | 4.02 | 8207.19 | 39.612997 | | | 6 |
| Height Summation: | | | 47241.88 | | | | |
| Amount Avg CF: | | | 27.202387 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 44.74 | |
| 3.17 | 3.18 | 3.21 | 3398.119 | 9.907205 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9766.906 | 30.2262 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4022.856 | 10.013542 | | | 3 |
| 3.73 | 3.74 | 3.77 | 13748.99 | 30.71052 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8097.819 | 20.955566 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2298.707 | 5.948602 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8207.19 | 27.747122 | | | 6 |
| Height Summation: | | | 47241.88 | | | | |
| Amount Avg CF: | | | 21.593359 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 197.13 | |
| 3.79 | 3.79 | 3.83 | 8097.819 | 26.406849 | | | 1 |
| 3.85 | 3.86 | 3.89 | 9423.341 | 18.18849 | | | 2 |
| 3.98 | 3.99 | 4.02 | 8207.19 | 13.884614 | | | 3 |
| 4.25 | 4.28 | 4.29 | 18497.75 | 36.396995 | | | 5 |
| 4.64 | 4.65 | 4.68 | 335735.8 | 905.056918 | | | 6 |
| Height Summation: | | | 379961.9 | | | | |
| Amount Avg CF: | | | 199.986773 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 136.86 | |
| 4.23 | 4.24 | 4.27 | 158404.1 | 253.884523 | | | 1 |
| 4.58 | 4.60 | 4.62 | 226356.1 | 378.13864 | | | 2 |
| 4.64 | 4.65 | 4.68 | 335735.8 | 298.694086 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1719701 | 4715.282913 | | | 4 |
| 4.86 | 4.86 | 4.90 | 192944.3 | 269.900818 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 18833.33 | 26.34507 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1152525 | 1949.569155 | | | 6 |
| Height Summation: | | | 3785666.3 | | | | |
| Amount Avg CF: | | | 1310.911689 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:53:59
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0009.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 91% (46-148) Conc.: 26.08893
%SSR(DCB) : 113% (49-139) Conc.: 32.19421

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 187.46 | |
| 2.87 | 2.91 | 2.91 | 190722.4 | 231.048528 | | | 1 |
| 3.19 | 3.21 | 3.23 | 6862.306 | 6.716307 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 1961.148 | 1.795475 | | | 3 |
| 3.39 | 3.41 | 3.43 | 12336.06 | 11.293938 | | | 3 |
| 3.46 | 3.48 | 3.50 | 17374.1 | 15.477167 | | | 4 |
| 3.63 | 3.64 | 3.67 | 16328.93 | 17.116081 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6967.921 | 7.303816 | | | 5 |
| 3.72 | 3.73 | 3.76 | 4801.236 | 5.857834 | | | 6 |
| Height Summation: | | | 248425.032 | | | | |
| Amount Avg CF: | | | 47.918309 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 106.85 | |
| 2.75 | 2.77 | 2.79 | 15292.5 | 33.198441 | | | 1 |
| 2.81 | 2.82 | 2.85 | 6578.541 | 22.411719 | | | 2 |
| + 2.81 | 2.85 | 2.85 | 2426.439 | 8.266372 | | | 2 |
| 2.87 | 2.91 | 2.91 | 190722.4 | 161.290453 | | | 3 |
| Height Summation: | | | 212593.441 | | | | |
| Amount Avg CF: | | | 72.300204 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 128.33 | |
| 2.87 | 2.91 | 2.91 | 190722.4 | 164.692698 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6862.306 | 12.408801 | | | 2 |
| 3.39 | 3.41 | 3.43 | 12336.06 | 20.927291 | | | 3 |
| 3.47 | 3.48 | 3.51 | 17374.1 | 30.040801 | | | 4 |
| 3.63 | 3.64 | 3.67 | 16328.93 | 36.078957 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6967.921 | 15.395701 | | | 5 |
| 3.72 | 3.73 | 3.76 | 4801.236 | 11.550758 | | | 6 |
| Height Summation: | | | 248425.032 | | | | |
| Amount Avg CF: | | | 45.949884 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 186.15 | |
| 2.87 | 2.91 | 2.91 | 190722.4 | 313.581757 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6862.306 | 9.115747 | | | 2 |
| 3.39 | 3.41 | 3.43 | 12336.06 | 15.533895 | | | 3 |
| 3.47 | 3.48 | 3.51 | 17374.1 | 22.598346 | | | 4 |
| 3.63 | 3.64 | 3.67 | 16328.93 | 23.642594 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6967.921 | 10.088826 | | | 5 |
| 3.72 | 3.73 | 3.76 | 4801.236 | 7.978886 | | | 6 |
| Height Summation: | | | 248425.032 | | | | |
| Amount Avg CF: | | | 65.408537 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 145.49 | |
| + 3.50 | 3.51 | 3.54 | 14813.47 | 13.490634 | | | 1 |
| 3.50 | 3.54 | 3.54 | 52886.88 | 48.164106 | | | 1 |
| 3.63 | 3.64 | 3.67 | 16328.93 | 12.299082 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 6967.921 | 5.248294 | | | 2 |
| 3.72 | 3.73 | 3.76 | 4801.236 | 4.955281 | | | 3 |
| 3.85 | 3.86 | 3.89 | 312817.8 | 169.869483 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 16443.12 | 8.929109 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 248151.5 | 298.825691 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1182712 | 1424.229677 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 176046.9 | 353.682614 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1072118 | 2153.911807 | | | 6 |
| Height Summation: | | | 2641664.846 | | | | |
| Amount Avg CF: | | | 635.571573 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** ACF DF5 ATW15 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:53:59
Instrument : P 25--18274A
Result file : 25PCBS16207035.0009.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 26.20 | |
| 4.76 | 4.77 | 4.80 | 1719701 | 2107.169575 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2413657 | 2733.235601 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1664286 | 3096.124543 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2195812 | 3264.794459 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6129149 | 4365.953861 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3358442 | 4195.199209 | | | 6 |
| Height Summation: | | | 17481047 | | | | |
| Amount Avg CF: | | | 3293.746208 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 24.38 | |
| E 5.23 | 5.24 | 5.27 | 1664286 | 1729.394234 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2195812 | 2617.719935 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 6129149 | 3204.249121 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3358442 | 3066.64743 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1451095 | 2133.286779 | | | 6 |
| Height Summation: | | | 14798784 | | | | |
| Amount Avg CF: | | | 2550.2595 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.94 | |
| E 5.84 | 5.85 | 5.88 | 3358442 | 1509.012213 | | | 1 |
| 6.03 | 6.04 | 6.07 | 67262.73 | 37.3061 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 80044.03 | 160.158938 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 575696 | 1151.901774 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1451095 | 1878.379158 | | | 5 |
| 6.48 | 6.49 | 6.52 | 305212.5 | 57.732454 | | | 6 |
| Height Summation: | | | 5757708.23 | | | | |
| Amount Avg CF: | | | 926.86634 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:53:59
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0009.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 126.76 | |
| 4.15 | 4.16 | 4.19 | 133941.7 | 89.248678 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 248151.5 | 95.097138 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1182712 | 453.241372 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4090774 | 3327.258472 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 176046.9 | 106.130681 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1072118 | 646.331255 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 5742664 | 5772.994737 | | | 5 |
| 4.58 | 4.60 | 4.62 | 563676.4 | 486.435363 | | | 6 |
| Height Summation: | | | 12785886.1 | | | | |
| Amount Avg CF: | | | 1795.918313 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 28.55 | |
| 4.29 | 4.31 | 4.33 | 4090774 | 2055.397834 | | | 1 |
| 4.43 | 4.44 | 4.47 | 5742664 | 2549.095241 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4316509 | 2297.423508 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4875259 | 3255.712337 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 542700 | 362.41666 | | | 4 |
| 5.07 | 5.08 | 5.11 | 14147970 | 4262.46693 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8186628 | 3681.021242 | | | 6 |
| Height Summation: | | | 41359804 | | | | |
| Amount Avg CF: | | | 3016.852849 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.72 | |
| E 4.69 | 4.70 | 4.73 | 3721944 | 1460.202102 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4875259 | 1874.48801 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 542700 | 208.662687 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 14147970 | 2964.024206 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2250801 | 1143.790245 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 8186628 | 2513.489319 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3396194 | 1940.740342 | | | 6 |
| Height Summation: | | | 36578796 | | | | |
| Amount Avg CF: | | | 1982.789037 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.39 | |
| 5.29 | 5.30 | 5.33 | 2250801 | 384.47019 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 8186628 | 1444.629625 | | | 2 |
| 5.49 | 5.49 | 5.53 | 122927.6 | 24.754133 | | | 3 |
| 5.55 | 5.56 | 5.59 | 67723.62 | 56.791082 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 7884.394 | 6.611626 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3396194 | 1690.679566 | | | 5 |
| 5.91 | 5.92 | 5.95 | 621397.1 | 37.618555 | | | 6 |
| Height Summation: | | | 14645671.32 | | | | |
| Amount Avg CF: | | | 606.490525 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 248.7805 | 48.2927 | | ** 103.16 | 4 | 40 | |
| Aroclor-1221 | | | 248.7805 | 74.6341 | | ** 166.14 | 3 | 5 | |
| Aroclor-1232 | | | 248.7805 | 60 | | ** 51.26 | 4 | 10 | |
| Aroclor-1242 | | | 248.7805 | 60 | | ** 100.72 | 4 | 30 | |
| Aroclor-1248 | | | 248.7805 | 48.2927 | | ** 104.26 | 4 | 40 | |
| Aroclor-1254 | | | 248.7805 | 64.3902 | E | 31.22 | 4 | 40 | |
| Aroclor-1260 | | | 248.7805 | 57.0732 | | 8.78 | 4 | 40 | |
| Aroclor-1262 | | | 248.7805 | 48.2927 | E | 25.04 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** ACF DF5 ATW15 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.25 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 10:53:59 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0009.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 10:53:59 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0009.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 248.7805 | 48.2927 | E | ** 41.79 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577888ACF DF5 ACATW15 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:53:59 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: 25pcbs16207035.0009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.005 | | 2934 | 1516 |
| 2.037 | | 8078 | 6950 |
| 2.089 | | 7702 | 9217 |
| 2.131 | | 30859 | 37669 |
| 2.197 | | 48509 | 39295 |
| 2.283 | | 2538 | 1406 |
| 2.308 | | 16013 | 10693 |
| 2.33 | | 3094 | 2304 |
| 2.383 | | 25637 | 22454 |
| 2.408 | | 2990 | 2354 |
| 2.444 | | 937 | 1303 |
| 2.489 | | 2417 | 4833 |
| 2.561 | | 2549 | 4029 |
| 2.627 | | 5380 | 3004 |
| 2.649 | | 35686 | 23369 |
| 2.733 | | 2482 | 1491 |
| 2.76 | | 2597 | 9441 |
| 2.925 | TCX | 767076 | 524144 |
| 3.039 | | 7031 | 4400 |
| 3.07 | | 1152 | 1872 |
| 3.127 | | 2028 | 1956 |
| 3.18 | | 3398 | 3545 |
| 3.233 | | 120100 | 108081 |
| 3.319 | | 1054 | 760 |
| 3.368 | | 860 | 1252 |
| 3.402 | | 9767 | 16252 |
| 3.473 | | 2483 | 2951 |
| 3.517 | | 4023 | 2978 |
| 3.565 | | 2260 | 2270 |
| 3.594 | | 8114 | 5312 |
| 3.629 | | 1654 | 1999 |
| 3.673 | | 1565 | 1117 |
| 3.702 | | 4764 | 5741 |
| 3.741 | | 13749 | 10833 |
| 3.794 | | 8098 | 6583 |
| 3.828 | | 2299 | 2180 |
| 3.864 | | 9423 | 7353 |
| 3.899 | | 31838 | 26037 |
| 3.929 | | 5840 | 6722 |
| 3.971 | | 1532 | 1011 |
| 3.991 | | 8207 | 10159 |
| 4.044 | | 4390 | 2873 |
| 4.069 | | 24582 | 25720 |
| 4.119 | | 2877 | 2398 |
| 4.151 | | 8213 | 9516 |
| 4.203 | | 18219 | 14027 |
| 4.239 | | 158404 | 146871 |
| 4.285 | | 18498 | 13652 |
| 4.311 | | 1542 | 1105 |
| 4.351 | | 48103 | 41338 |
| 4.395 | | 217872 | 207552 |
| 4.429 | | 41907 | 33434 |
| 4.467 | | 4562 | 3051 |
| 4.491 | | 13349 | 10569 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.531 | | 109290 | 113342 |
| 4.602 | | 226356 | 313242 |
| 4.649 | | 335736 | 303649 |
| 4.694 | | 644471 | 757311 |
| 4.732 | | 156591 | 119915 |
| 4.771 | | 1719701 | 1578407 |
| 4.812 | | 21447 | 23068 |
| 4.86 | | 192944 | 241004 |
| 4.893 | | 18833 | 11625 |
| 4.919 | | 402081 | 383510 |
| 4.972 | | 2413657 | 2915212 |
| 5.022 | | 418626 | 386586 |
| 5.066 | | 1152525 | 1290300 |
| 5.108 | | 28266 | 16882 |
| 5.144 | | 272290 | 328948 |
| 5.18 | | 3222401 | 3430185 |
| 5.243 | | 1664286 | 1523575 |
| 5.286 | | 1128393 | 1123366 |
| 5.339 | | 4306 | 3474 |
| 5.408 | | 2195813 | 2958133 |
| 5.467 | | 1043154 | 975482 |
| 5.506 | | 579605 | 518445 |
| 5.546 | | 110663 | 106774 |
| 5.592 | | 584386 | 556876 |
| 5.62 | | 22888 | 12640 |
| 5.648 | | 6129149 | 6074122 |
| 5.739 | | 17051 | 18619 |
| 5.769 | | 5106 | 3058 |
| 5.791 | | 10397 | 7096 |
| 5.817 | | 3869 | 2048 |
| 5.855 | | 3358442 | 3441273 |
| 5.894 | | 835472 | 1658536 |
| 5.955 | | 12513 | 11002 |
| 6.039 | | 67263 | 104227 |
| 6.104 | | 80044 | 63359 |
| 6.128 | | 575696 | 521830 |
| 6.161 | | 7837 | 5802 |
| 6.191 | | 5189 | 5738 |
| 6.251 | | 5333 | 4123 |
| 6.285 | | 1451095 | 1474863 |
| 6.33 | | 103815 | 105032 |
| 6.371 | | 1772 | 1398 |
| 6.397 | | 6094 | 7868 |
| 6.487 | | 305213 | 338932 |
| 6.633 | DCB | 545213 | 653620 |
| 6.712 | | 7169 | 7553 |
| 6.8 | | 2191 | 3868 |
| 6.849 | | 1410 | 1527 |
| 6.905 | | 3207 | 4028 |
| 6.945 | | 9159 | 10569 |
| 6.99 | | 2019 | 1747 |

LANCASTER LABORATORIES

Sample Number: 8577888ACF DF5 ACATW15 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:53:59 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: 25pcbs16207035B.0009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

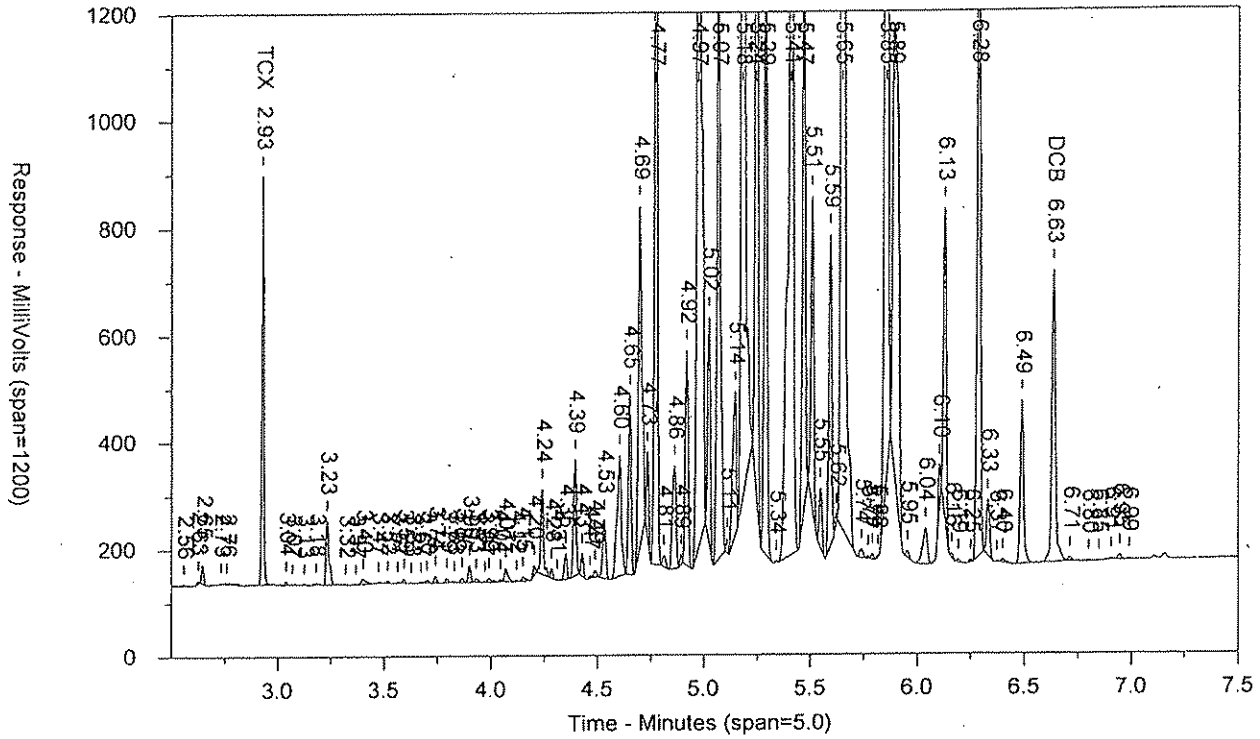
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.012 | | 3276 | 1302 |
| 2.038 | | 10619 | 17689 |
| 2.101 | | 23724 | 31174 |
| 2.146 | | 30881 | 26008 |
| 2.175 | | 3673 | 1759 |
| 2.217 | | 7119 | 4055 |
| 2.237 | | 3977 | 4210 |
| 2.276 | | 3308 | 4000 |
| 2.294 | | 9052 | 9127 |
| 2.35 | | 57767 | 40497 |
| 2.37 | | 4335 | 8498 |
| 2.448 | | 6532 | 12692 |
| 2.475 | | 8918 | 8794 |
| 2.523 | | 9540 | 12149 |
| 2.575 | | 2809 | 1970 |
| 2.599 | TCX | 1313591 | 775363 |
| 2.66 | | 5637 | 2811 |
| 2.692 | | 5639 | 9240 |
| 2.77 | | 15293 | 12527 |
| 2.794 | | 3941 | 2013 |
| 2.821 | | 6579 | 7833 |
| 2.854 | | 2426 | 1477 |
| 2.906 | | 190722 | 144279 |
| 2.934 | | 5196 | 3080 |
| 2.957 | | 2351 | 1272 |
| 2.993 | | 4672 | 7309 |
| 3.043 | | 2642 | 1193 |
| 3.092 | | 3311 | 1682 |
| 3.112 | | 4177 | 4055 |
| 3.163 | | 2054 | 1167 |
| 3.186 | | 3510 | 1850 |
| 3.214 | | 6862 | 6669 |
| 3.248 | | 15733 | 10274 |
| 3.294 | | 4093 | 5199 |
| 3.342 | | 3194 | 2507 |
| 3.37 | | 3925 | 2793 |
| 3.388 | | 1961 | 951 |
| 3.412 | | 12336 | 9303 |
| 3.438 | | 2505 | 1939 |
| 3.48 | | 17374 | 17439 |
| 3.514 | | 14813 | 7596 |
| 3.538 | | 52887 | 32501 |
| 3.571 | | 13922 | 13864 |
| 3.642 | | 16329 | 14422 |
| 3.663 | | 6968 | 3688 |
| 3.684 | | 8366 | 5836 |
| 3.714 | | 38677 | 21916 |
| 3.731 | | 4801 | 2986 |
| 3.767 | | 8315 | 6544 |
| 3.815 | | 33307 | 30749 |
| 3.86 | | 312818 | 220546 |
| 3.886 | | 16443 | 8669 |
| 3.906 | | 17743 | 9880 |
| 3.925 | | 102841 | 66680 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.96 | | 423255 | 276862 |
| 3.991 | | 94248 | 109684 |
| 4.054 | | 4129 | 2216 |
| 4.069 | | 10512 | 6587 |
| 4.092 | | 131082 | 140357 |
| 4.131 | | 23152 | 21266 |
| 4.158 | | 133942 | 88317 |
| 4.201 | | 319662 | 201733 |
| 4.218 | | 248152 | 117824 |
| 4.232 | | 1182712 | 664708 |
| 4.256 | | 624159 | 596575 |
| 4.308 | | 4090775 | 2885987 |
| 4.356 | | 83109 | 86636 |
| 4.377 | | 176047 | 108004 |
| 4.401 | | 1072118 | 785852 |
| 4.443 | | 5742665 | 4158231 |
| 4.499 | | 51689 | 37816 |
| 4.545 | | 4316509 | 3887513 |
| 4.597 | | 563676 | 475155 |
| 4.635 | | 1400735 | 1160951 |
| 4.671 | | 6730532 | 5403207 |
| 4.703 | | 3721944 | 2504068 |
| 4.741 | | 2410151 | 1864274 |
| 4.797 | | 24713 | 22356 |
| 4.838 | | 749277 | 755117 |
| 4.889 | | 4875259 | 3611760 |
| 4.912 | | 542700 | 334891 |
| 4.963 | | 2575773 | 2188855 |
| 4.998 | | 1311556 | 986547 |
| 5.027 | | 1003876 | 773994 |
| 5.06 | | 147067 | 80933 |
| 5.081 | | 14147970 | 10956340 |
| 5.123 | | 233220 | 172875 |
| 5.154 | | 328417 | 272420 |
| 5.198 | | 15813 | 11454 |
| 5.218 | | 18376 | 11481 |
| 5.272 | | 99609 | 59987 |
| 5.295 | | 2250801 | 1723331 |
| 5.339 | | 8186628 | 8476657 |
| 5.445 | | 4803 | 7564 |
| 5.495 | | 122928 | 104699 |
| 5.539 | | 235519 | 183827 |
| 5.563 | | 67724 | 42514 |
| 5.586 | | 7884 | 5021 |
| 5.611 | | 1367204 | 1137376 |
| 5.653 | | 11536 | 10000 |
| 5.692 | | 10836 | 6368 |
| 5.719 | | 3396194 | 2726969 |
| 5.75 | | 174655 | 127625 |
| 5.83 | | 9417 | 8920 |
| 5.859 | | 4591 | 5760 |
| 5.918 | | 621397 | 533475 |
| 5.965 | | 3729 | 2383 |
| 6.006 | | 3931 | 3378 |
| 6.038 | | 12155 | 10971 |
| 6.077 | DCB | 1255534 | 1041191 |
| 6.113 | | 8682 | 6443 |
| 6.179 | | 3142 | 3353 |
| 6.206 | | 3864 | 3560 |
| 6.251 | | 9769 | 6962 |
| 6.277 | | 45165 | 38715 |
| 6.314 | | 2748 | 2159 |
| 6.344 | | 11386 | 14447 |
| 6.386 | | 1335 | 953 |
| 6.415 | | 3792 | 3137 |
| 6.443 | | 5288 | 4597 |

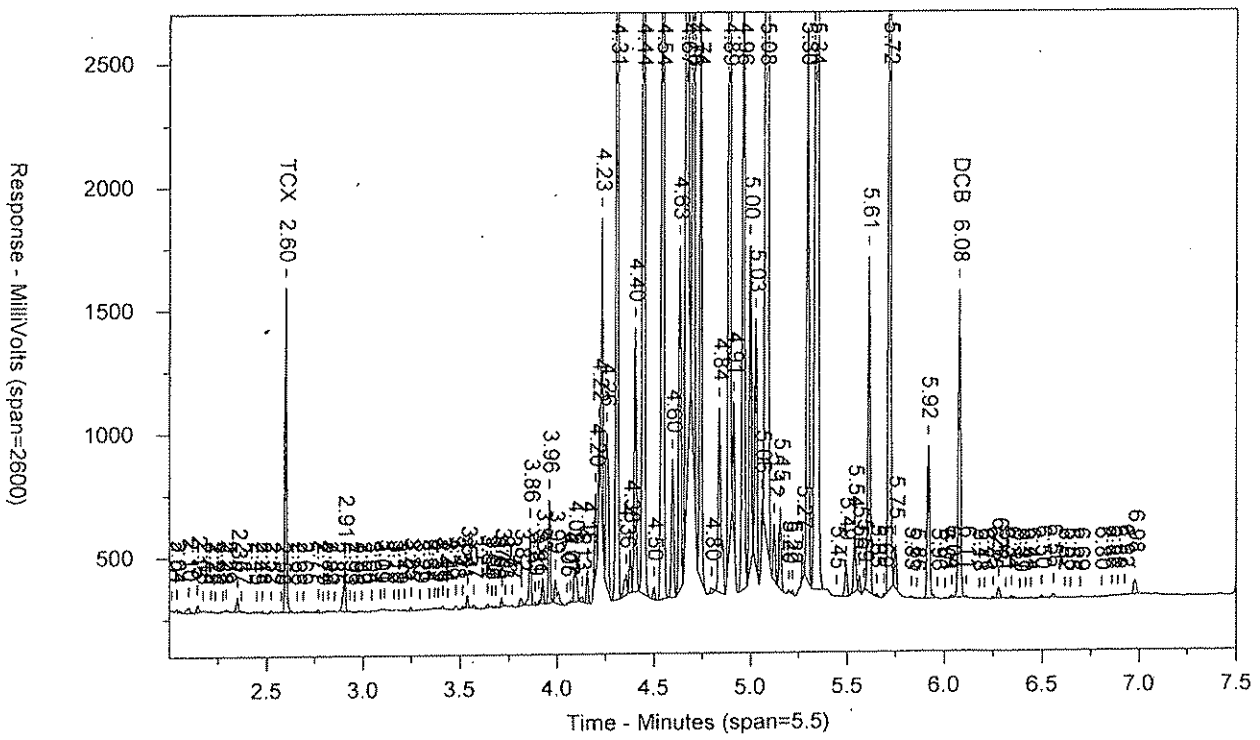
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.498 | | 11321 | 11325 |
| 6.557 | | 17878 | 19429 |
| 6.616 | | 1927 | 1908 |
| 6.646 | | 1240 | 1175 |
| 6.695 | | 471 | 1355 |
| 6.804 | | 1501 | 1542 |
| 6.859 | | 2400 | 2663 |
| 6.889 | | 1231 | 912 |
| 6.925 | | 3496 | 4125 |
| 6.978 | | 59728 | 57652 |

8577888ACF DF5 ACATW15 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0009.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0009.RAW



LANCASTER LABORATORIES

Sample Number: 8577888ACF DF5 ACATW15 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:53:59 AM
Sample Weight: 10.25
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

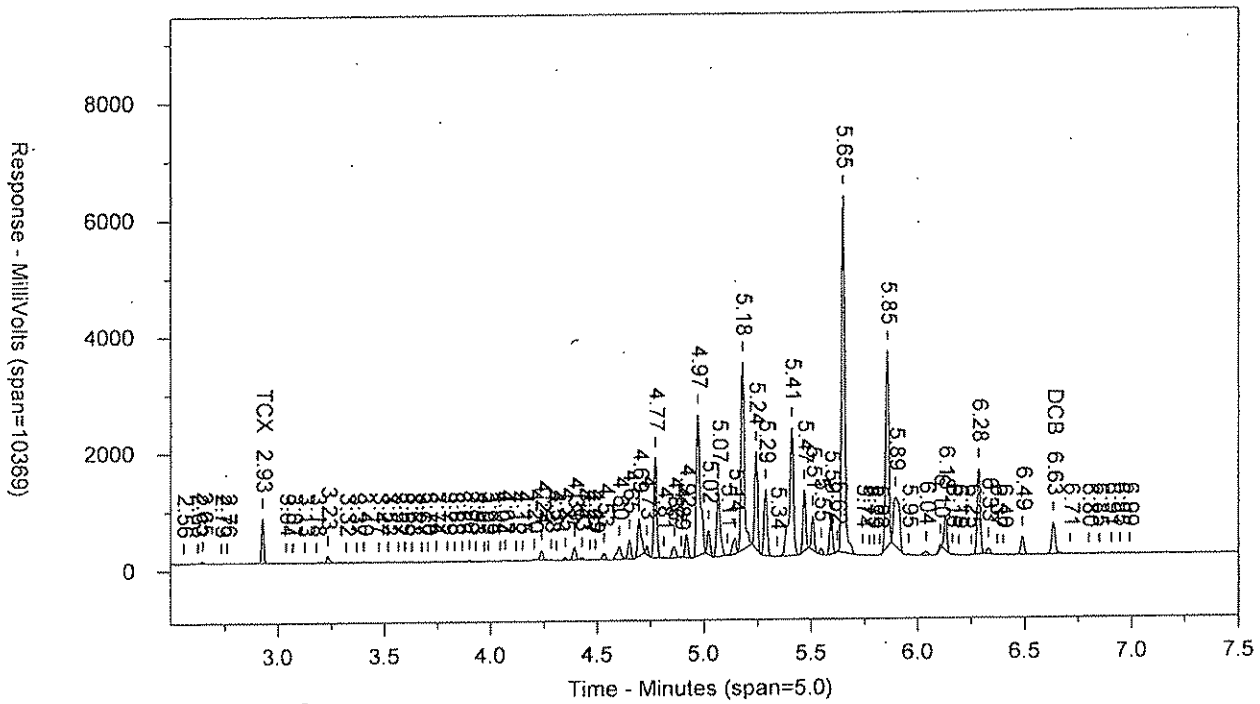
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 767076 | 27.657 | TCX | 2.599 | 1313591 | 26.089 | TCX |
| 6.633 | 545213 | 39.788 | DCB | 6.077 | 1255534 | 32.194 | DCB |

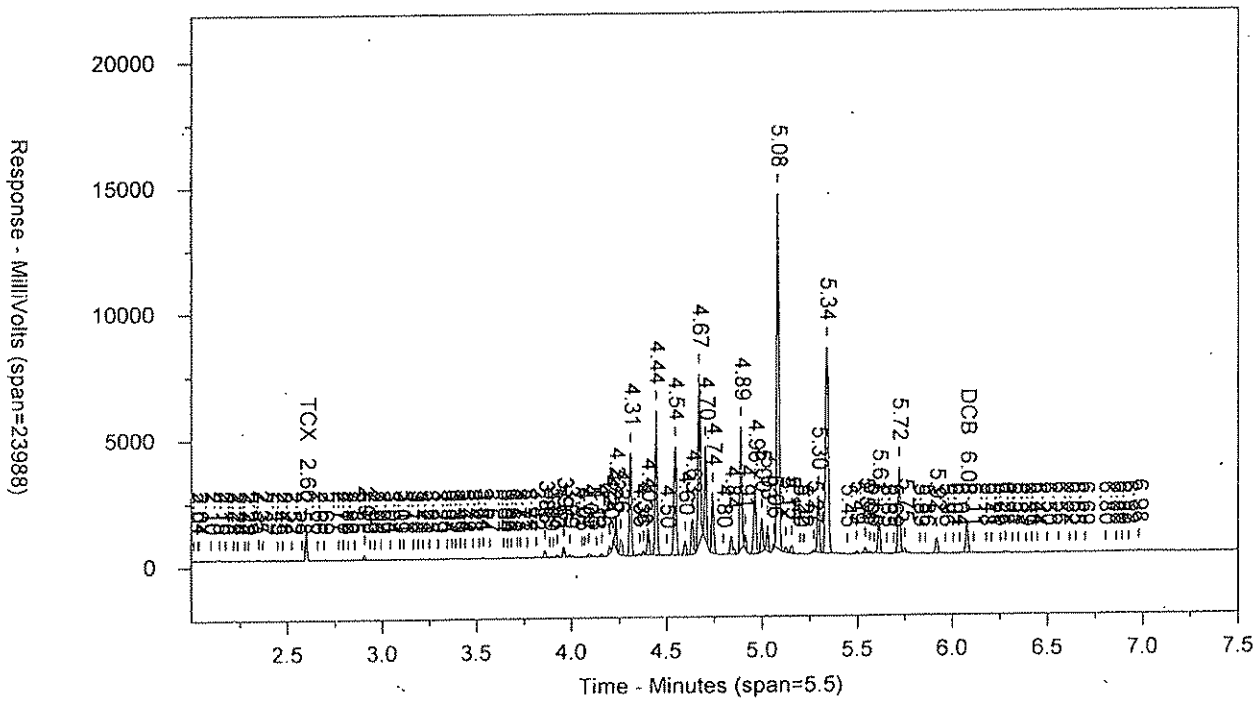
Files:
Area File: 25pcbs16207035.0009.RAW
Area File: 25pcbs16207035B.0009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:02:32 AM
File Reported On: 9/15/2016 at 11:02:41 AM

8577888ACF DF5 ACATW15 T 162570008A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0009.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0009.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577889** ACF ATW16 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:27:44 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0012.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 106% ( 46 - 148 ) Conc: 30.05157
%SSR(DCB) 133% ( 49 - 139 ) Conc: 37.5221

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:27:44 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0012.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 96% ( 46 - 148 ) Conc: 27.25251
%SSR(DCB) 122% ( 49 - 139 ) Conc: 34.55666

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **17.20** | |
| 4.76 | 4.77 | 4.80 | 355042.7 | 86.250268 | | | 1 |
| 4.96 | 4.97 | 5.00 | 511880.9 | 114.922155 | | | 2 |
| 5.23 | 5.24 | 5.27 | 315180.8 | 116.247478 | | | 3 |
| 5.40 | 5.41 | 5.44 | 413308.9 | 121.834075 | | | 4 |
| 5.64 | 5.65 | 5.68 | 982326.6 | 138.729298 | | | 5 |
| 5.84 | 5.85 | 5.88 | 584551.8 | 144.767495 | | | 6 |

Height summation: **3162291.7**
Concentration CF: **120.458462** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.85** | |
| 4.29 | 4.31 | 4.33 | 710254.9 | 70.751877 | | | 1 |
| 4.43 | 4.44 | 4.47 | 1073582 | 94.480286 | | | 2 |
| 4.53 | 4.54 | 4.57 | 744243.5 | 78.533831 | | | 3 |
| 4.88 | 4.89 | 4.92 | 788628.8 | 104.412931 | | | 4 |
| 5.07 | 5.08 | 5.11 | 2105048 | 125.736746 | | | 5 |
| 5.33 | 5.34 | 5.37 | 1317182 | 117.420081 | | | 6 |

Height summation: **6738939.2**
Concentration CF: **98.555959** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <49.323 | <9.5745 | | | 4 | |
| ☑ PCB-1221 | | | <49.323 | <14.7969 | | | 3 | |
| ☑ PCB-1232 | | | <49.323 | <11.8956 | | | 4 | |
| ☑ PCB-1242 | | | <49.323 | <11.8956 | | | 4 | |
| ☑ PCB-1248 | | | <49.323 | <9.5745 | | | 4 | |
| ☑ PCB-1254 | | | <49.323 | <12.766 | | | 4 | |
| ☑ PCB-1260 | A | 120.458462 | 49.323 | 11.3153 | | 20.00 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 4204064 | 30.05157 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 6921132 | 27.25251 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 2593361 | 37.5221 | Decachlorobiphenyl | 6.05 | 6.07 | 6.11 | 6797497 | 34.55666 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 30.05157 | | | | 9.77 | |
| ☑ Decachlorobiphenyl | A | 37.5221 | | | | 8.23 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577889** ACF ATW16 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:27:44
Instrument : P 25--18274A
Result file : 25PCBS16207035.0012.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 106% (46-148) Conc.: 30.05157
%SSR(DCB) : 133% (49-139) Conc.: 37.5221

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 43.99 | |
| + 3.17 | 3.18 | 3.21 | 2012.979 | 0.850303 | | | 1 |
| 3.17 | 3.20 | 3.21 | 2668.97 | 1.1274 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5966.35 | 2.563816 | | | 2 |
| 3.51 | 3.52 | 3.55 | 1587.919 | 0.56158 | | | 3 |
| 3.73 | 3.74 | 3.77 | 6180.269 | 1.928015 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4295.417 | 1.573547 | | | 5 |
| 3.98 | 3.99 | 4.02 | 3263.584 | 1.549836 | | | 6 |
| Height Summation: | | | 23962.509 | | | | |
| Amount Avg CF: | | | 1.550699 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 97.48 | |
| 3.07 | 3.08 | 3.11 | 4526.147 | 3.728662 | | | 1 |
| 3.13 | 3.13 | 3.17 | 10376.42 | 10.155771 | | | 2 |
| + 3.17 | 3.18 | 3.21 | 2012.979 | 0.617801 | | | 3 |
| 3.17 | 3.20 | 3.21 | 2668.97 | 0.819131 | | | 3 |
| Height Summation: | | | 17571.537 | | | | |
| Amount Avg CF: | | | 4.901188 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 48.81 | |
| + 3.17 | 3.18 | 3.21 | 2012.979 | 0.636033 | | | 1 |
| 3.17 | 3.20 | 3.21 | 2668.97 | 0.843304 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5966.35 | 4.614323 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 1587.919 | 1.007472 | | | 3 |
| 3.51 | 3.55 | 3.55 | 2548.982 | 1.617229 | | | 3 |
| 3.73 | 3.74 | 3.77 | 6180.269 | 3.523071 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4295.417 | 2.910951 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2445.497 | 1.657283 | | | 5 |
| 3.99 | 3.99 | 4.02 | 3263.584 | 3.122995 | | | 6 |
| + 3.99 | 4.02 | 4.02 | 1778.623 | 1.702003 | | | 6 |
| Height Summation: | | | 24923.572 | | | | |
| Amount Avg CF: | | | 2.771979 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 38.06 | |
| + 3.17 | 3.18 | 3.21 | 2012.979 | 1.16355 | | | 1 |
| 3.17 | 3.20 | 3.21 | 2668.97 | 1.542729 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5966.35 | 3.660738 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 1587.919 | 0.783637 | | | 3 |
| 3.51 | 3.55 | 3.55 | 2548.982 | 1.257921 | | | 3 |
| 3.73 | 3.74 | 3.77 | 6180.269 | 2.736888 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4295.417 | 2.203789 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2445.497 | 1.254677 | | | 5 |
| 3.98 | 3.99 | 4.02 | 3263.584 | 2.187518 | | | 6 |
| + 3.98 | 4.02 | 4.02 | 1778.623 | 1.192177 | | | 6 |
| Height Summation: | | | 24923.572 | | | | |
| Amount Avg CF: | | | 2.26493 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 191.94 | |
| 3.79 | 3.79 | 3.83 | 4295.417 | 2.777072 | | | 1 |
| + 3.79 | 3.83 | 3.83 | 2445.497 | 1.581062 | | | 1 |
| 3.85 | 3.86 | 3.89 | 5520.217 | 2.112425 | | | 2 |
| 3.98 | 3.99 | 4.02 | 3263.584 | 1.09463 | | | 3 |
| 4.07 | 4.08 | 4.11 | 5480.983 | 2.254873 | | | 4 |
| 4.25 | 4.28 | 4.29 | 5433.691 | 2.119702 | | | 5 |
| 4.64 | 4.65 | 4.68 | 87926.05 | 46.992562 | | | 6 |
| Height Summation: | | | 111919.942 | | | | |
| Amount Avg CF: | | | 9.558544 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:27:44
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0012.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 96% (46-148) Conc.: 27.25251
%SSR(DCB) : 122% (49-139) Conc.: 34.55666

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 54.78 | |
| 2.87 | 2.90 | 2.91 | 8658.713 | 2.07964 | | | 1 |
| + 3.19 | 3.22 | 3.23 | 3163.341 | 0.613818 | | | 2 |
| 3.19 | 3.23 | 3.23 | 8206.55 | 1.592408 | | | 2 |
| 3.39 | 3.40 | 3.43 | 1883.056 | 0.341795 | | | 3 |
| 3.46 | 3.47 | 3.50 | 4860.767 | 0.858474 | | | 4 |
| + 3.46 | 3.50 | 3.50 | 1590.819 | 0.280959 | | | 4 |
| + 3.63 | 3.64 | 3.67 | 5831.686 | 1.21192 | | | 5 |
| 3.63 | 3.66 | 3.67 | 6385.462 | 1.327004 | | | 5 |
| 3.72 | 3.74 | 3.76 | 3030.772 | 0.733112 | | | 6 |
| Height Summation: | | | 33025.32 | | | | |
| Amount Avg CF: | | | 1.155406 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 109.42 | |
| 2.75 | 2.77 | 2.79 | 3420.149 | 1.472033 | | | 1 |
| 2.81 | 2.82 | 2.85 | 13301.96 | 8.984513 | | | 2 |
| 2.87 | 2.90 | 2.91 | 8658.713 | 1.451756 | | | 3 |
| Height Summation: | | | 25380.822 | | | | |
| Amount Avg CF: | | | 3.969434 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 62.79 | |
| 2.87 | 2.90 | 2.91 | 8658.713 | 1.482379 | | | 1 |
| + 3.20 | 3.22 | 3.24 | 3163.341 | 1.134068 | | | 2 |
| 3.20 | 3.23 | 3.24 | 8206.55 | 2.942075 | | | 2 |
| 3.39 | 3.40 | 3.43 | 1883.056 | 0.633334 | | | 3 |
| 3.47 | 3.50 | 3.51 | 1590.819 | 0.545335 | | | 4 |
| + 3.63 | 3.64 | 3.67 | 5831.686 | 2.554605 | | | 5 |
| 3.63 | 3.66 | 3.67 | 6385.462 | 2.79719 | | | 5 |
| 3.72 | 3.74 | 3.76 | 3030.772 | 1.445586 | | | 6 |
| Height Summation: | | | 29755.372 | | | | |
| Amount Avg CF: | | | 1.640983 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 53.53 | |
| 2.87 | 2.90 | 2.91 | 8658.713 | 2.822512 | | | 1 |
| + 3.20 | 3.22 | 3.24 | 3163.341 | 0.833108 | | | 2 |
| 3.20 | 3.23 | 3.24 | 8206.55 | 2.161305 | | | 2 |
| 3.39 | 3.40 | 3.43 | 1883.056 | 0.470111 | | | 3 |
| 3.47 | 3.47 | 3.51 | 4860.767 | 1.253466 | | | 4 |
| + 3.47 | 3.50 | 3.51 | 1590.819 | 0.410231 | | | 4 |
| + 3.63 | 3.64 | 3.67 | 5831.686 | 1.674036 | | | 5 |
| 3.63 | 3.66 | 3.67 | 6385.462 | 1.833002 | | | 5 |
| 3.72 | 3.74 | 3.76 | 3030.772 | 0.998564 | | | 6 |
| Height Summation: | | | 33025.32 | | | | |
| Amount Avg CF: | | | 1.589827 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 134.18 | |
| + 3.50 | 3.51 | 3.54 | 7054.229 | 1.273674 | | | 1 |
| 3.50 | 3.54 | 3.54 | 14284.47 | 2.579129 | | | 1 |
| + 3.63 | 3.64 | 3.67 | 5831.686 | 0.870848 | | | 2 |
| 3.63 | 3.66 | 3.67 | 6385.462 | 0.953544 | | | 2 |
| 3.72 | 3.74 | 3.76 | 3030.772 | 0.620157 | | | 3 |
| 3.85 | 3.86 | 3.89 | 113904.6 | 12.26305 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 3867.458 | 0.416373 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 54797.8 | 13.082703 | | | 5 |
| 4.21 | 4.23 | 4.25 | 225253.8 | 53.778227 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 55588.29 | 22.141241 | | | 6 |
| 4.37 | 4.40 | 4.40 | 197179.4 | 78.538064 | | | 6 |
| Height Summation: | | | 560038.504 | | | | |
| Amount Avg CF: | | | 24.788695 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577889** ACF ATW16 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:27:44
Instrument : P 25--18274A
Result file : 25PCBS16207035.0012.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 123.09 | |
| 4.23 | 4.24 | 4.27 | 65125.13 | 20.694347 | | | 1 |
| 4.58 | 4.60 | 4.62 | 57652.9 | 19.094722 | | | 2 |
| 4.64 | 4.65 | 4.68 | 87926.05 | 15.508859 | | | 3 |
| 4.77 | 4.77 | 4.81 | 355042.7 | 193.005072 | | | 4 |
| + 4.77 | 4.80 | 4.81 | 3014.127 | 1.638512 | | | 4 |
| 4.86 | 4.86 | 4.90 | 57583.8 | 15.970036 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 12763.3 | 3.539717 | | | 5 |
| 5.06 | 5.06 | 5.10 | 246024.4 | 82.508709 | | | 6 |
| Height Summation: | | | 869354.98 | | | | |
| Amount Avg CF: | | | 57.796958 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 17.20 | |
| 4.76 | 4.77 | 4.80 | 355042.7 | 86.250268 | | | 1 |
| 4.96 | 4.97 | 5.00 | 511880.9 | 114.922155 | | | 2 |
| 5.23 | 5.24 | 5.27 | 315180.8 | 116.247478 | | | 3 |
| 5.40 | 5.41 | 5.44 | 413308.9 | 121.834075 | | | 4 |
| 5.64 | 5.65 | 5.68 | 982326.6 | 138.729298 | | | 5 |
| 5.84 | 5.85 | 5.88 | 584551.8 | 144.767495 | | | 6 |
| Height Summation: | | | 3162291.7 | | | | |
| Amount Avg CF: | | | 120.458462 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 18.77 | |
| 5.23 | 5.24 | 5.27 | 315180.8 | 64.932051 | | | 1 |
| 5.40 | 5.41 | 5.44 | 413308.9 | 97.68685 | | | 2 |
| 5.64 | 5.65 | 5.68 | 982326.6 | 101.815834 | | | 3 |
| 5.84 | 5.85 | 5.88 | 584551.8 | 105.823549 | | | 4 |
| 6.28 | 6.28 | 6.32 | 279451.8 | 81.450477 | | | 6 |
| Height Summation: | | | 2574819.9 | | | | |
| Amount Avg CF: | | | 90.341752 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.34 | |
| 5.84 | 5.85 | 5.88 | 584551.8 | 52.072835 | | | 1 |
| 6.03 | 6.04 | 6.07 | 46285.48 | 5.089598 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 64768.09 | 25.693108 | | | 4 |
| 6.10 | 6.12 | 6.14 | 80829.71 | 32.064655 | | | 4 |
| 6.28 | 6.28 | 6.32 | 279451.8 | 71.717914 | | | 5 |
| 6.48 | 6.48 | 6.52 | 88503.17 | 3.31902 | | | 6 |
| Height Summation: | | | 1079621.96 | | | | |
| Amount Avg CF: | | | 32.852804 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:27:44
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0012.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 126.33 | |
| 4.15 | 4.16 | 4.19 | 46426.38 | 6.133158 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 54797.8 | 4.163389 | | | 2 |
| 4.21 | 4.23 | 4.25 | 225253.8 | 17.114176 | | | 2 |
| 4.30 | 4.31 | 4.34 | 710254.9 | 114.532466 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 55588.29 | 6.643994 | | | 4 |
| 4.37 | 4.40 | 4.41 | 197179.4 | 23.56717 | | | 4 |
| 4.43 | 4.44 | 4.47 | 1073582 | 213.971681 | | | 5 |
| 4.58 | 4.60 | 4.62 | 106057.4 | 18.145527 | | | 6 |
| Height Summation: | | | 2358753.88 | | | | |
| Amount Avg CF: | | | 65.577363 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.85 | |
| 4.29 | 4.31 | 4.33 | 710254.9 | 70.751877 | | | 1 |
| 4.43 | 4.44 | 4.47 | 1073582 | 94.480286 | | | 2 |
| 4.53 | 4.54 | 4.57 | 744243.5 | 78.533831 | | | 3 |
| 4.88 | 4.89 | 4.92 | 788628.8 | 104.412931 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 112358.6 | 14.876062 | | | 4 |
| 5.07 | 5.08 | 5.11 | 2105048 | 125.736746 | | | 5 |
| 5.33 | 5.34 | 5.37 | 1317182 | 117.420081 | | | 6 |
| Height Summation: | | | 6738939.2 | | | | |
| Amount Avg CF: | | | 98.555959 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 30.37 | |
| 4.69 | 4.70 | 4.73 | 584843.7 | 45.490035 | | | 1 |
| 4.88 | 4.89 | 4.92 | 788628.8 | 60.116118 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 112358.6 | 8.564946 | | | 2 |
| 5.07 | 5.08 | 5.11 | 2105048 | 87.434522 | | | 3 |
| 5.28 | 5.29 | 5.32 | 381236.9 | 38.409402 | | | 4 |
| 5.33 | 5.34 | 5.37 | 1317182 | 80.177239 | | | 5 |
| 5.71 | 5.72 | 5.75 | 570305.6 | 64.612404 | | | 6 |
| Height Summation: | | | 5747245 | | | | |
| Amount Avg CF: | | | 62.70662 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 103.85 | |
| 5.29 | 5.29 | 5.33 | 381236.9 | 12.91082 | | | 1 |
| 5.33 | 5.34 | 5.37 | 1317182 | 46.08192 | | | 2 |
| 5.49 | 5.49 | 5.53 | 86028.1 | 3.434567 | | | 3 |
| 5.55 | 5.56 | 5.59 | 77256.69 | 12.844269 | | | 4 |
| 5.71 | 5.72 | 5.75 | 570305.6 | 56.287216 | | | 5 |
| + 5.71 | 5.75 | 5.75 | 30989.64 | 3.058572 | | | 5 |
| 5.91 | 5.92 | 5.95 | 160791.2 | 1.929872 | | | 6 |
| Height Summation: | | | 2592800.49 | | | | |
| Amount Avg CF: | | | 22.248111 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 49.323 | 9.5745 | | 29.21 | 4 | 40 | |
| Aroclor-1221 | | | 49.323 | 14.7969 | | 21.01 | 3 | 5 | |
| Aroclor-1232 | | | 49.323 | 11.8956 | | ** 51.26 | 4 | 10 | |
| Aroclor-1242 | | | 49.323 | 11.8956 | | 35.03 | 4 | 30 | |
| Aroclor-1248 | | | 49.323 | 9.5745 | | ** 88.68 | 4 | 40 | |
| Aroclor-1254 | | | 49.323 | 12.766 | | 12.61 | 4 | 40 | |
| Aroclor-1260 | | | 49.323 | 11.3153 | | 20.00 | 4 | 40 | |
| Aroclor-1262 | | | 49.323 | 9.5745 | | 36.11 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577889** ACF ATW16 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:27:44 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0012.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:27:44 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0012.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 49.323 | 9.5745 | | 38.49 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577889ACF ABATW16 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:27:44 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: 25pcbs16207035.0012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 10470 | 6168 |
| 2.037 | | 2441 | 1960 |
| 2.089 | | 7885 | 8186 |
| 2.133 | | 169205 | 213946 |
| 2.196 | | 4086 | 2205 |
| 2.216 | | 17131 | 11694 |
| 2.262 | | 5213 | 4475 |
| 2.308 | | 77384 | 56107 |
| 2.33 | | 9630 | 5838 |
| 2.387 | | 46969 | 37533 |
| 2.417 | | 3999 | 4203 |
| 2.447 | | 22986 | 19330 |
| 2.517 | | 1899 | 1235 |
| 2.561 | | 1646 | 1123 |
| 2.583 | | 3754 | 3273 |
| 2.612 | | 1455 | 930 |
| 2.649 | | 13434 | 11436 |
| 2.679 | | 4046 | 3360 |
| 2.697 | | 2471 | 1216 |
| 2.733 | | 14613 | 19756 |
| 2.769 | | 5140 | 9051 |
| 2.871 | | 4512 | 4622 |
| 2.895 | | 7300 | 4615 |
| 2.925 | TCX | 4204064 | 2692916 |
| 3.013 | | 2787 | 2933 |
| 3.085 | | 4526 | 4919 |
| 3.126 | | 10376 | 7326 |
| 3.184 | | 2013 | 1233 |
| 3.198 | | 2669 | 1398 |
| 3.217 | | 2964 | 1633 |
| 3.247 | | 21647 | 28861 |
| 3.284 | | 4037 | 2887 |
| 3.401 | | 5966 | 4985 |
| 3.458 | | 1772 | 1075 |
| 3.488 | | 3411 | 4283 |
| 3.517 | | 1588 | 842 |
| 3.55 | | 2549 | 1522 |
| 3.583 | | 6399 | 8564 |
| 3.63 | | 6644 | 6516 |
| 3.668 | | 3327 | 2991 |
| 3.69 | | 3069 | 2196 |
| 3.738 | | 6180 | 4318 |
| 3.793 | | 4295 | 4695 |
| 3.826 | | 2445 | 1914 |
| 3.86 | | 5520 | 5613 |
| 3.896 | | 4024 | 2942 |
| 3.929 | | 1147 | 880 |
| 3.964 | | 1373 | 849 |
| 3.989 | | 3264 | 2323 |
| 4.023 | | 1779 | 1386 |
| 4.08 | | 5481 | 11143 |
| 4.124 | | 1522 | 2188 |
| 4.149 | | 1649 | 1185 |
| 4.174 | | 1511 | 1429 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.203 | | 17989 | 16109 |
| 4.237 | | 65125 | 53086 |
| 4.281 | | 5434 | 3770 |
| 4.311 | | 3013 | 2605 |
| 4.349 | | 16620 | 13793 |
| 4.392 | | 103290 | 96264 |
| 4.426 | | 6192 | 4577 |
| 4.47 | | 1114 | 936 |
| 4.491 | | 2201 | 1722 |
| 4.53 | | 19522 | 19395 |
| 4.601 | | 57653 | 83856 |
| 4.647 | | 87926 | 79650 |
| 4.692 | | 151157 | 175741 |
| 4.73 | | 39302 | 28490 |
| 4.769 | | 355043 | 342438 |
| 4.804 | | 3014 | 2863 |
| 4.859 | | 57584 | 65086 |
| 4.891 | | 12763 | 9420 |
| 4.917 | | 90348 | 80623 |
| 4.97 | | 511881 | 640818 |
| 5.02 | | 99495 | 91776 |
| 5.063 | | 246024 | 276668 |
| 5.106 | | 3413 | 1956 |
| 5.141 | | 73984 | 98169 |
| 5.179 | | 599587 | 670500 |
| 5.241 | | 315181 | 297776 |
| 5.285 | | 222795 | 229721 |
| 5.406 | | 413309 | 593517 |
| 5.465 | | 213151 | 203079 |
| 5.505 | | 126420 | 113556 |
| 5.544 | | 38179 | 36087 |
| 5.59 | | 139986 | 135355 |
| 5.618 | | 5212 | 2584 |
| 5.645 | | 982327 | 1080867 |
| 5.763 | | 1421 | 1064 |
| 5.852 | | 584552 | 618838 |
| 5.89 | | 166837 | 329624 |
| 6.004 | | 2013 | 1287 |
| 6.037 | | 46285 | 47532 |
| 6.105 | | 64768 | 54015 |
| 6.125 | | 80830 | 64375 |
| 6.196 | | 1467 | 2977 |
| 6.245 | | 741 | 599 |
| 6.283 | | 279452 | 290144 |
| 6.328 | | 18591 | 17200 |
| 6.406 | | 3048 | 5498 |
| 6.484 | | 88503 | 96076 |
| 6.544 | | 4218 | 4144 |
| 6.63 | DCB | 2593361 | 2715292 |
| 6.854 | | 1744 | 2350 |
| 6.944 | | 9605 | 11326 |

LANCASTER LABORATORIES

Sample Number: 8577889ACF ABATW16 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:27:44 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: 25pcbs16207035B.0012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

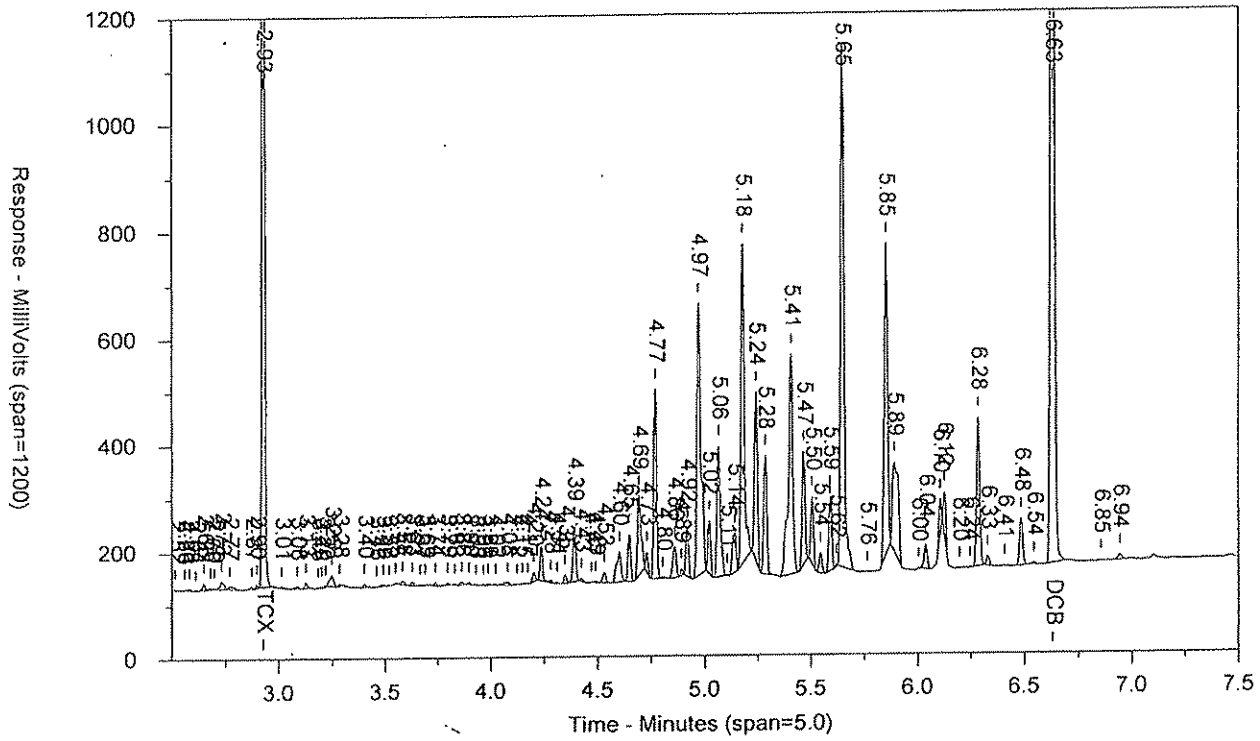
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.005 | | 6876 | 6548 |
| 2.045 | | 20786 | 15605 |
| 2.103 | | 61808 | 37630 |
| 2.128 | | 2846 | 1878 |
| 2.152 | | 47426 | 43719 |
| 2.184 | | 4742 | 3277 |
| 2.219 | | 6206 | 3178 |
| 2.236 | | 4265 | 1969 |
| 2.259 | | 3566 | 3184 |
| 2.295 | | 6535 | 7164 |
| 2.35 | | 15134 | 19857 |
| 2.422 | | 31133 | 25427 |
| 2.459 | | 6296 | 7888 |
| 2.484 | | 4480 | 4597 |
| 2.538 | | 2710 | 3166 |
| 2.574 | | 5218 | 6518 |
| 2.6 | TCX | 6921132 | 3853742 |
| 2.689 | | 2996 | 2486 |
| 2.719 | | 3999 | 2244 |
| 2.744 | | 3924 | 2675 |
| 2.772 | | 3420 | 1422 |
| 2.801 | | 2138 | 1267 |
| 2.817 | | 13302 | 7990 |
| 2.864 | | 4999 | 3706 |
| 2.896 | | 8659 | 3442 |
| 2.906 | | 14239 | 6043 |
| 2.93 | | 14473 | 9014 |
| 2.954 | | 19910 | 13517 |
| 2.991 | | 7606 | 7835 |
| 3.048 | | 4615 | 2809 |
| 3.102 | | 2188 | 3677 |
| 3.135 | | 3687 | 3956 |
| 3.155 | | 5085 | 2641 |
| 3.168 | | 5234 | 2211 |
| 3.185 | | 3212 | 1684 |
| 3.216 | | 3163 | 3415 |
| 3.231 | | 8207 | 5007 |
| 3.26 | | 9038 | 8907 |
| 3.319 | | 8792 | 10430 |
| 3.347 | | 9718 | 6488 |
| 3.368 | | 3730 | 2272 |
| 3.401 | | 1883 | 2204 |
| 3.435 | | 4451 | 3217 |
| 3.465 | | 4861 | 4094 |
| 3.498 | | 1591 | 681 |
| 3.514 | | 7054 | 4345 |
| 3.538 | | 14284 | 10681 |
| 3.564 | | 4037 | 3089 |
| 3.591 | | 2259 | 1737 |
| 3.611 | | 2388 | 1292 |
| 3.64 | | 5832 | 4032 |
| 3.661 | | 6385 | 4147 |
| 3.685 | | 1483 | 1109 |
| 3.713 | | 5085 | 2671 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.741 | | 3031 | 2863 |
| 3.769 | | 3706 | 2130 |
| 3.811 | | 7174 | 8399 |
| 3.859 | | 113905 | 81036 |
| 3.884 | | 3867 | 2016 |
| 3.903 | | 3386 | 1690 |
| 3.923 | | 54978 | 39470 |
| 3.958 | | 175693 | 116742 |
| 3.99 | | 14400 | 8024 |
| 4.005 | | 6709 | 4360 |
| 4.053 | | 6289 | 6513 |
| 4.1 | | 22183 | 26302 |
| 4.137 | | 4328 | 3461 |
| 4.156 | | 46426 | 30375 |
| 4.199 | | 70236 | 39890 |
| 4.216 | | 54798 | 26699 |
| 4.23 | | 225254 | 125786 |
| 4.255 | | 122772 | 122988 |
| 4.307 | | 710255 | 542412 |
| 4.353 | | 17143 | 19428 |
| 4.375 | | 55588 | 34272 |
| 4.4 | | 197179 | 159079 |
| 4.442 | | 1073583 | 794804 |
| 4.499 | | 32519 | 26786 |
| 4.544 | | 744244 | 705749 |
| 4.596 | | 106057 | 84789 |
| 4.634 | | 246795 | 188087 |
| 4.669 | | 1122915 | 880337 |
| 4.702 | | 584844 | 418300 |
| 4.739 | | 433622 | 336685 |
| 4.78 | | 3938 | 2618 |
| 4.81 | | 3971 | 2319 |
| 4.838 | | 138431 | 135705 |
| 4.888 | | 788629 | 601265 |
| 4.912 | | 112359 | 72697 |
| 4.961 | | 459840 | 387946 |
| 4.996 | | 229180 | 179001 |
| 5.026 | | 183567 | 148861 |
| 5.058 | | 62348 | 34028 |
| 5.08 | | 2105049 | 1687929 |
| 5.122 | | 43407 | 32203 |
| 5.152 | | 97870 | 77459 |
| 5.231 | | 2456 | 1515 |
| 5.27 | | 19217 | 12060 |
| 5.295 | | 381237 | 305746 |
| 5.337 | | 1317182 | 1382278 |
| 5.445 | | 2785 | 3427 |
| 5.494 | | 86028 | 75822 |
| 5.538 | | 45089 | 32063 |
| 5.562 | | 77257 | 56348 |
| 5.609 | | 265642 | 321836 |
| 5.717 | | 570306 | 454415 |
| 5.748 | | 30990 | 21479 |
| 5.837 | | 1803 | 1211 |
| 5.855 | | 4393 | 2870 |
| 5.916 | | 160791 | 132909 |
| 5.948 | | 2477 | 1676 |
| 6.008 | | 6544 | 4750 |
| 6.075 | DCB | 6797497 | 5582769 |
| 6.246 | | 1380 | 1214 |
| 6.275 | | 5078 | 4505 |
| 6.31 | | 1312 | 1250 |
| 6.341 | | 17266 | 15625 |
| 6.384 | | 2805 | 1980 |
| 6.419 | | 3058 | 8340 |
| 6.496 | | 16290 | 19248 |

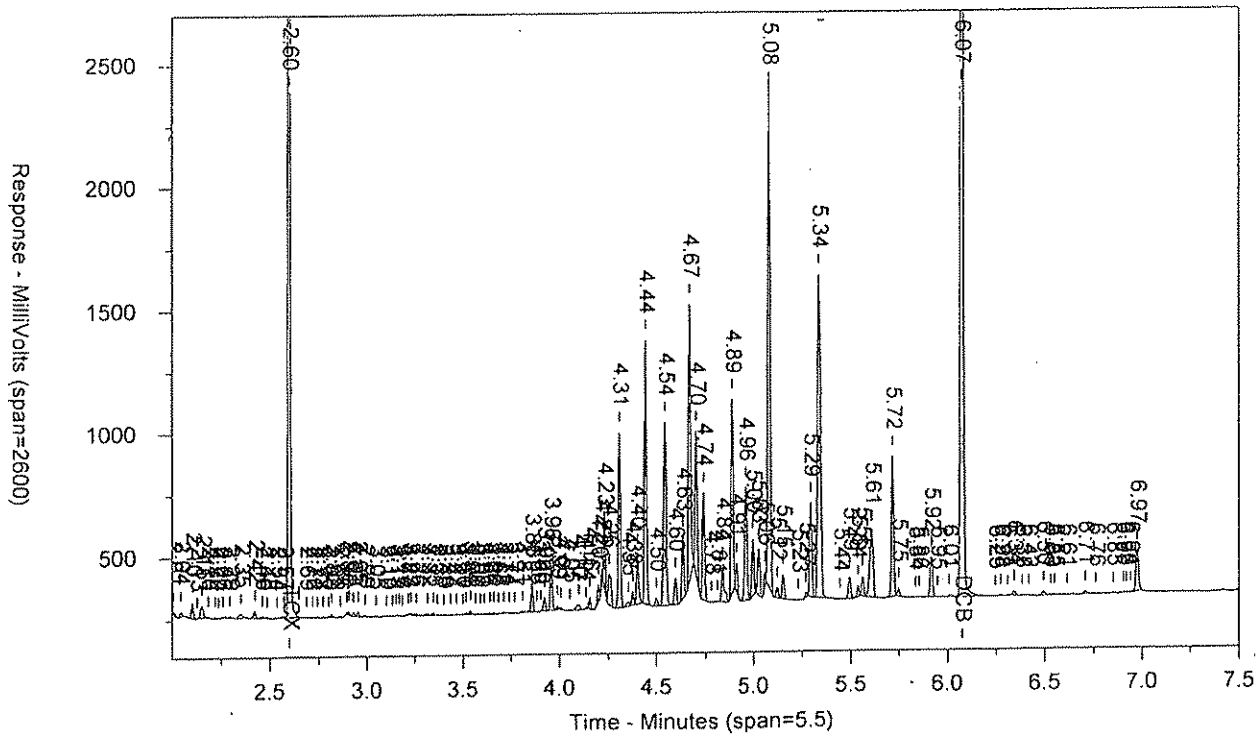
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.532 | | 2363 | 1893 |
| 6.55 | | 1663 | 1933 |
| 6.613 | | 1152 | 810 |
| 6.706 | | 11499 | 15130 |
| 6.762 | | 1088 | 1560 |
| 6.852 | | 1868 | 1690 |
| 6.904 | | 963 | 1331 |
| 6.92 | | 2358 | 1455 |
| 6.942 | | 2603 | 1825 |
| 6.975 | | 166730 | 158189 |

8577889ACF ABATW16 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0012.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0012.RAW



LANCASTER LABORATORIES

Sample Number: 8577889ACF ABATW16 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:27:44 AM
Sample Weight: 10.34
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

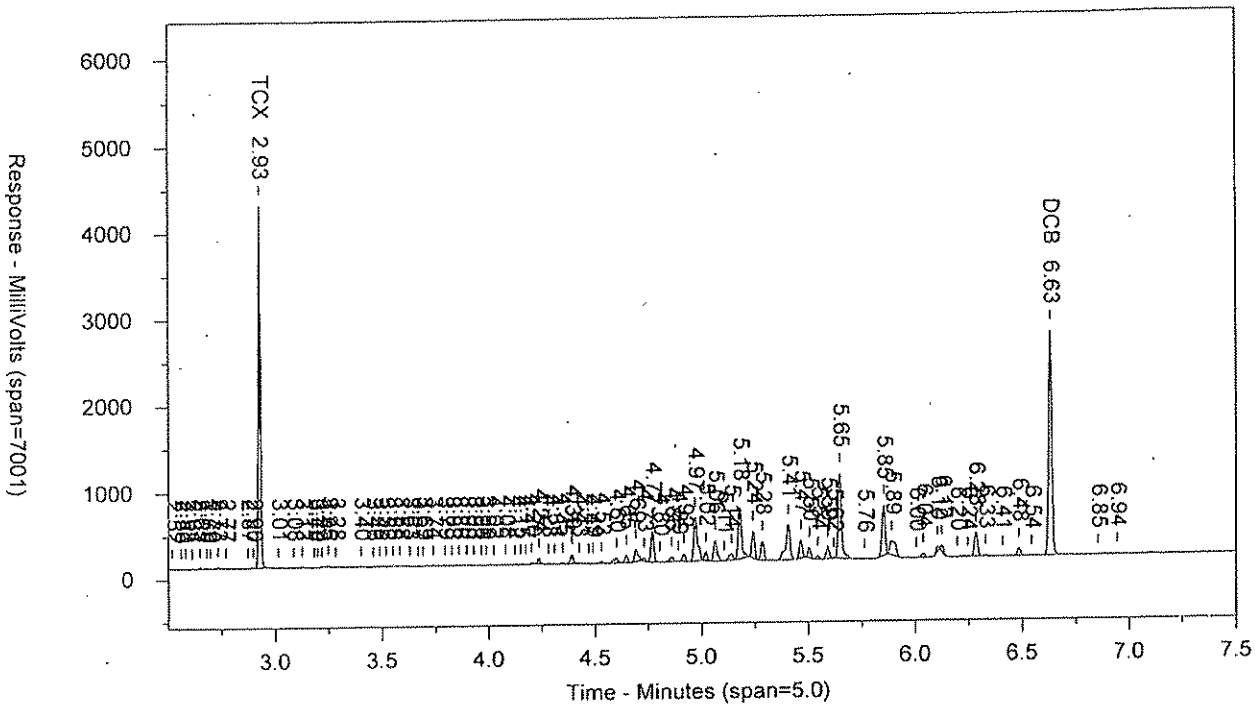
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 4204064 | 30.052 | TCX | 2.6 | 6921132 | 27.253 | TCX |
| 6.63 | 2593361 | 37.522 | DCB | 6.075 | 6797497 | 34.557 | DCB |

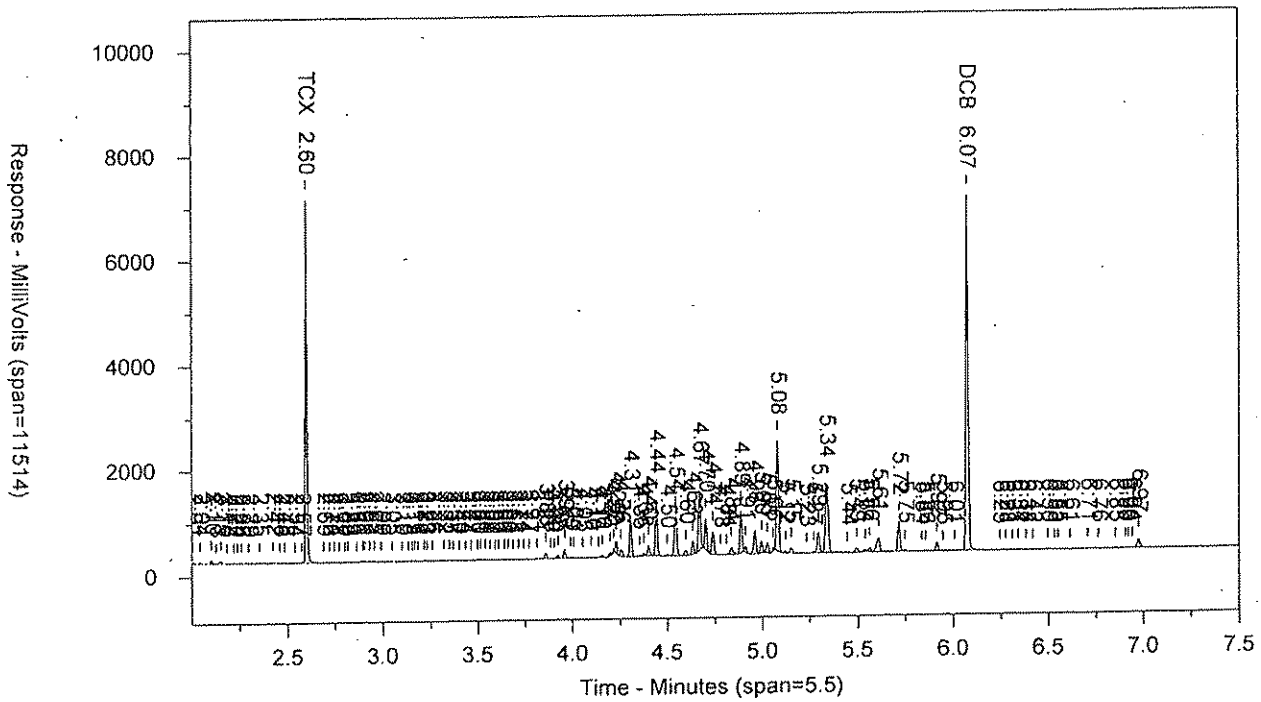
Files:
Area File: 25pcbs16207035.0012.RAW
Area File: 25pcbs16207035B.0012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:36:16 AM
File Reported On: 9/15/2016 at 11:36:23 AM

8577889ACF ABATW16 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0012.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0012.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577890** ACF DF5 ATW17 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:38:58 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0013.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 92% ( 46 - 148 ) Conc: 26.07084
%SSR(DCB) 138% ( 49 - 139 ) Conc: 39.00459

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:38:58 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0013.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 79% ( 46 - 148 ) Conc: 22.21999
%SSR(DCB) 104% ( 49 - 139 ) Conc: 29.30405

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **23.30** | |
| 4.76 | 4.77 | 4.80 | 1653478 | 2008.391112 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2384022 | 2676.178645 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1528909 | 2819.521599 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2066249 | 3045.41634 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5492124 | 3878.132324 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3056127 | 3784.334003 | | | 6 |

Height summation: **16180909**
Concentration CF: **3035.329004** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **25.20** | |
| 4.29 | 4.31 | 4.33 | 3676512 | 1831.174458 | | | 1 |
| 4.43 | 4.44 | 4.47 | 5475732 | 2409.451375 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3810581 | 2010.494707 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4202340 | 2781.908531 | | | 4 |
| 5.07 | 5.08 | 5.11 | 11840810 | 3536.320604 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7049994 | 3142.355682 | | | 6 |

Height summation: **36055969**
Concentration CF: **2618.61756** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <246.6151 | <47.8723 | | | 4 | |
| ☑ PCB-1221 | | | <246.6151 | <73.9845 | | | 3 | |
| ☑ PCB-1232 | | | <246.6151 | <59.4778 | | | 4 | |
| ☑ PCB-1242 | | | <246.6151 | <59.4778 | | | 4 | |
| ☑ PCB-1248 | | | <246.6151 | <47.8723 | | | 4 | |
| ☑ PCB-1254 | | | <246.6151 | <63.8298 | | | 4 | |
| ☑ PCB-1260 | A | 3035.329004 | 246.6151 | 56.5764 | | 14.74 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 729436 | 26.07084 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1128612 | 22.21999 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 539165 | 39.00459 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1152856 | 29.30405 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 26.07084 | | | | 15.95 | |
| ☑ Decachlorobiphenyl | A | 39.00459 | | | | 28.40 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by:
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577890** ACF DF5 ATW17 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274A
Result file : 25PCBS16207035.0013.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 92% (46-148) Conc.: 26.07084
%SSR(DCB) : 138% (49-139) Conc.: 39.00459

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 61.53 | |
| 3.17 | 3.18 | 3.21 | 3088.159 | 6.52235 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9410.651 | 20.219377 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2067.131 | 3.655283 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12321.42 | 19.219131 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4685.184 | 8.581653 | | | 5 |
| 3.98 | 3.99 | 4.02 | 10023.9 | 23.801136 | | | 6 |
| + 3.98 | 4.02 | 4.02 | 2106.855 | 5.002598 | | | 6 |
| Height Summation: | | | 41596.445 | | | | |
| Amount Avg CF: | | | 13.666488 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 54.59 | |
| 3.07 | 3.09 | 3.11 | 4079.158 | 16.802149 | | | 1 |
| 3.13 | 3.13 | 3.17 | 3456.81 | 16.916515 | | | 2 |
| 3.17 | 3.18 | 3.21 | 3088.159 | 4.73892 | | | 3 |
| Height Summation: | | | 10624.127 | | | | |
| Amount Avg CF: | | | 12.819195 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 72.80 | |
| 3.17 | 3.18 | 3.21 | 3088.159 | 4.878765 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9410.651 | 36.390574 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2067.131 | 6.557567 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12321.42 | 35.119219 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4685.184 | 15.875458 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 3405.726 | 11.540094 | | | 5 |
| 3.99 | 3.99 | 4.02 | 10023.9 | 47.960451 | | | 6 |
| + 3.99 | 4.02 | 4.02 | 2106.855 | 10.080479 | | | 6 |
| Height Summation: | | | 41596.445 | | | | |
| Amount Avg CF: | | | 24.463672 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 62.26 | |
| 3.17 | 3.18 | 3.21 | 3088.159 | 8.92515 | | | 1 |
| 3.39 | 3.40 | 3.43 | 9410.651 | 28.870183 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2067.131 | 5.100639 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12321.42 | 27.282267 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4685.184 | 12.018805 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 3405.726 | 8.736638 | | | 5 |
| 3.98 | 3.99 | 4.02 | 10023.9 | 33.594138 | | | 6 |
| + 3.98 | 4.02 | 4.02 | 2106.855 | 7.060922 | | | 6 |
| Height Summation: | | | 41596.445 | | | | |
| Amount Avg CF: | | | 19.298531 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 191.61 | |
| 3.79 | 3.79 | 3.83 | 4685.184 | 15.145321 | | | 1 |
| 3.85 | 3.86 | 3.89 | 16235.44 | 31.064126 | | | 2 |
| 3.98 | 3.99 | 4.02 | 10023.9 | 16.810451 | | | 3 |
| + 3.98 | 4.02 | 4.02 | 2106.855 | 3.533274 | | | 3 |
| + 4.25 | 4.26 | 4.29 | 31707.25 | 61.845561 | | | 5 |
| 4.25 | 4.28 | 4.29 | 36304.49 | 70.81256 | | | 5 |
| 4.64 | 4.65 | 4.68 | 384116.6 | 1026.466173 | | | 6 |
| Height Summation: | | | 451365.614 | | | | |
| Amount Avg CF: | | | 232.059726 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0013.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 79% (46-148) Conc.: 22.21999
%SSR(DCB) : 104% (49-139) Conc.: 29.30405

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 171.45 | |
| 2.87 | 2.91 | 2.91 | 127576.8 | 153.206268 | | | 1 |
| 3.19 | 3.21 | 3.23 | 5069.574 | 4.918529 | | | 2 |
| + 3.19 | 3.23 | 3.23 | 4748.305 | 4.606832 | | | 2 |
| 3.39 | 3.41 | 3.43 | 8383.717 | 7.608672 | | | 3 |
| + 3.46 | 3.47 | 3.50 | 2155.404 | 1.903361 | | | 4 |
| 3.46 | 3.48 | 3.50 | 7830.052 | 6.914442 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21192.41 | 22.020658 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9262.921 | 9.624937 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8668.83 | 10.484501 | | | 6 |
| Height Summation: | | | 178721.383 | | | | |
| Amount Avg CF: | | | 34.192178 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 91.44 | |
| 2.75 | 2.77 | 2.79 | 10666.81 | 22.954989 | | | 1 |
| 2.87 | 2.91 | 2.91 | 127576.8 | 106.950296 | | | 3 |
| Height Summation: | | | 138243.61 | | | | |
| Amount Avg CF: | | | 64.952642 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 108.53 | |
| 2.87 | 2.91 | 2.91 | 127576.8 | 109.206295 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5069.574 | 9.087293 | | | 2 |
| + 3.20 | 3.23 | 3.24 | 4748.305 | 8.511413 | | | 2 |
| 3.39 | 3.41 | 3.43 | 8383.717 | 14.098616 | | | 3 |
| 3.47 | 3.48 | 3.51 | 7830.052 | 13.420761 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21192.41 | 46.417305 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9262.921 | 20.288388 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8668.83 | 20.673844 | | | 6 |
| Height Summation: | | | 178721.383 | | | | |
| Amount Avg CF: | | | 35.484019 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 170.35 | |
| 2.87 | 2.91 | 2.91 | 127576.8 | 207.933334 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5069.574 | 6.675702 | | | 2 |
| + 3.20 | 3.23 | 3.24 | 4748.305 | 6.25265 | | | 2 |
| 3.39 | 3.41 | 3.43 | 8383.717 | 10.465111 | | | 3 |
| + 3.47 | 3.47 | 3.51 | 2155.404 | 2.779114 | | | 4 |
| 3.47 | 3.48 | 3.51 | 7830.052 | 10.095837 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21192.41 | 30.417328 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9262.921 | 13.29501 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8668.83 | 14.280816 | | | 6 |
| Height Summation: | | | 178721.383 | | | | |
| Amount Avg CF: | | | 46.644688 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 140.87 | |
| + 3.50 | 3.51 | 3.54 | 27115.96 | 24.479575 | | | 1 |
| 3.50 | 3.54 | 3.54 | 43354.52 | 39.139319 | | | 1 |
| 3.63 | 3.64 | 3.67 | 21192.41 | 15.823357 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 9262.921 | 6.916179 | | | 2 |
| 3.72 | 3.73 | 3.76 | 8668.83 | 8.869089 | | | 3 |
| 3.85 | 3.86 | 3.89 | 398294.3 | 214.403231 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 47014.46 | 25.30805 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 287132.7 | 342.757534 | | | 5 |
| 4.21 | 4.23 | 4.25 | 991680 | 1183.793385 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 302076.5 | 601.59691 | | | 6 |
| 4.37 | 4.40 | 4.40 | 915480.9 | 1823.215246 | | | 6 |
| Height Summation: | | | 2378670.96 | | | | |
| Amount Avg CF: | | | 547.540605 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577890** ACF DF5 ATW17 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274A
Result file : 25PCBS16207035.0013.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 130.96 | |
| 4.23 | 4.24 | 4.27 | 177942.9 | 282.71822 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 31707.25 | 50.376932 | | | 1 |
| 4.58 | 4.60 | 4.62 | 221175.3 | 366.267857 | | | 2 |
| 4.64 | 4.65 | 4.68 | 384116.6 | 338.762534 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1653478 | 4494.243085 | | | 4 |
| 4.86 | 4.86 | 4.90 | 230505.7 | 319.637145 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 14083.51 | 19.529291 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1189455 | 1994.525685 | | | 6 |
| Height Summation: | | | 3856673.5 | | | | |
| Amount Avg CF: | | | 1299.359088 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 23.30 | |
| 4.76 | 4.77 | 4.80 | 1653478 | 2008.391112 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2384022 | 2676.178645 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1528909 | 2819.521599 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2066249 | 3045.41634 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5492124 | 3878.132324 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3056127 | 3784.334003 | | | 6 |
| Height Summation: | | | 16180909 | | | | |
| Amount Avg CF: | | | 3035.329004 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.35 | |
| E 5.23 | 5.24 | 5.27 | 1528909 | 1574.892847 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2066249 | 2441.822039 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5492124 | 2846.22845 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3056127 | 2766.309195 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1347926 | 1964.36765 | | | 6 |
| Height Summation: | | | 13491335 | | | | |
| Amount Avg CF: | | | 2318.724036 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 91.86 | |
| E 5.84 | 5.85 | 5.88 | 3056127 | 1361.224091 | | | 1 |
| 6.03 | 6.04 | 6.07 | 59902.78 | 32.934848 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 80063.99 | 158.804495 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 509469.4 | 1010.517098 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1347926 | 1729.644269 | | | 5 |
| 6.48 | 6.49 | 6.52 | 274570.6 | 51.484329 | | | 6 |
| Height Summation: | | | 5247995.78 | | | | |
| Amount Avg CF: | | | 837.160927 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0013.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 128.27 | |
| 4.15 | 4.16 | 4.19 | 187334.5 | 123.739135 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 287132.7 | 109.077839 | | | 2 |
| 4.21 | 4.23 | 4.25 | 991680 | 376.725852 | | | 2 |
| 4.30 | 4.31 | 4.34 | 3676512 | 2964.287803 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 302076.5 | 180.523123 | | | 4 |
| 4.37 | 4.40 | 4.41 | 915480.9 | 547.098073 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 5475732 | 5456.740056 | | | 5 |
| 4.58 | 4.60 | 4.62 | 584555.9 | 500.062932 | | | 6 |
| Height Summation: | | | 11831295.3 | | | | |
| Amount Avg CF: | | | 1661.442308 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 25.20 | |
| 4.29 | 4.31 | 4.33 | 3676512 | 1831.174458 | | | 1 |
| 4.43 | 4.44 | 4.47 | 5475732 | 2409.451375 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3810581 | 2010.494707 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4202340 | 2781.908531 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 532020.4 | 352.192371 | | | 4 |
| 5.07 | 5.08 | 5.11 | 11840810 | 3536.320604 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7049994 | 3142.355682 | | | 6 |
| Height Summation: | | | 36055969 | | | | |
| Amount Avg CF: | | | 2618.617559 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.89 | |
| E 4.69 | 4.70 | 4.73 | 3170391 | 1232.989244 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4202340 | 1601.693775 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 532020.4 | 202.776016 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 11840810 | 2459.078285 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 1934044 | 974.269183 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 7049994 | 2145.675595 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2949530 | 1670.825472 | | | 6 |
| Height Summation: | | | 31147109 | | | | |
| Amount Avg CF: | | | 1680.755259 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.49 | |
| 5.29 | 5.30 | 5.33 | 1934044 | 327.487894 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 7049994 | 1233.228447 | | | 2 |
| 5.49 | 5.49 | 5.53 | 116288.5 | 23.213381 | | | 3 |
| 5.55 | 5.56 | 5.59 | 58747.29 | 48.834995 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 7364.944 | 6.122274 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2949530 | 1455.542724 | | | 5 |
| 5.91 | 5.92 | 5.95 | 522162.4 | 31.335874 | | | 6 |
| Height Summation: | | | 12630766.19 | | | | |
| Amount Avg CF: | | | 519.940553 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 246.6151 | 47.8723 | | ** 85.78 | 4 | 40 | |
| Aroclor-1221 | | | 246.6151 | 73.9845 | | ** 134.07 | 3 | 5 | |
| Aroclor-1232 | | | 246.6151 | 59.4778 | | 36.77 | 4 | 10 | |
| Aroclor-1242 | | | 246.6151 | 59.4778 | | ** 82.94 | 4 | 30 | |
| Aroclor-1248 | | | 246.6151 | 47.8723 | | ** 80.93 | 4 | 40 | |
| Aroclor-1254 | | | 246.6151 | 63.8298 | E | 24.46 | 4 | 40 | |
| Aroclor-1260 | | | 246.6151 | 56.5764 | | 14.74 | 4 | 40 | |
| Aroclor-1262 | | | 246.6151 | 47.8723 | E | 31.90 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577890** ACF DF5 ATW17 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.34 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274A
Result file : 25PCBS16207035.0013.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 11:38:58
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0013.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 246.6151 | 47.8723 | E | ** 46.75 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577890ACF DF5 ACATW17 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:38:58 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: 25pcbs16207035.0013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.012 | | 4933 | 4883 |
| 2.038 | | 7921 | 7077 |
| 2.09 | | 9237 | 10274 |
| 2.133 | | 22279 | 28445 |
| 2.197 | | 46737 | 39067 |
| 2.249 | | 1865 | 2269 |
| 2.308 | | 21304 | 23010 |
| 2.332 | | 4895 | 3616 |
| 2.383 | | 15445 | 13218 |
| 2.412 | | 4368 | 4818 |
| 2.462 | | 1938 | 1370 |
| 2.488 | | 1559 | 1070 |
| 2.517 | | 1349 | 1111 |
| 2.559 | | 1849 | 1051 |
| 2.583 | | 3753 | 3534 |
| 2.628 | | 3971 | 2038 |
| 2.649 | | 38244 | 26523 |
| 2.68 | | 3386 | 2889 |
| 2.72 | | 2737 | 2057 |
| 2.749 | | 3428 | 3288 |
| 2.77 | | 3143 | 2888 |
| 2.827 | | 1044 | 514 |
| 2.867 | | 2721 | 2679 |
| 2.896 | | 8200 | 5256 |
| 2.926 | TCX | 729436 | 490962 |
| 3.013 | | 2133 | 1104 |
| 3.039 | | 5905 | 3479 |
| 3.087 | | 4079 | 5425 |
| 3.128 | | 3457 | 2869 |
| 3.183 | | 3088 | 1958 |
| 3.233 | | 81553 | 99792 |
| 3.286 | | 5625 | 8115 |
| 3.349 | | 939 | 503 |
| 3.402 | | 9411 | 7593 |
| 3.477 | | 2758 | 2281 |
| 3.519 | | 2067 | 1233 |
| 3.565 | | 3846 | 5248 |
| 3.593 | | 7485 | 7613 |
| 3.631 | | 6292 | 6513 |
| 3.671 | | 1741 | 1126 |
| 3.691 | | 5037 | 7233 |
| 3.74 | | 12321 | 9226 |
| 3.795 | | 4685 | 3746 |
| 3.828 | | 3406 | 2840 |
| 3.863 | | 16235 | 13394 |
| 3.899 | | 20983 | 17880 |
| 3.932 | | 3386 | 3486 |
| 3.967 | | 2170 | 1338 |
| 3.99 | | 10024 | 6755 |
| 4.016 | | 2107 | 1956 |
| 4.044 | | 4235 | 2641 |
| 4.07 | | 14734 | 19378 |
| 4.121 | | 3418 | 3633 |
| 4.15 | | 4080 | 2589 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.171 | | 1712 | 1261 |
| 4.204 | | 17749 | 14696 |
| 4.239 | | 177943 | 140091 |
| 4.26 | | 31707 | 17233 |
| 4.284 | | 36304 | 25858 |
| 4.351 | | 57879 | 49883 |
| 4.395 | | 283403 | 263973 |
| 4.429 | | 59204 | 44525 |
| 4.468 | | 6581 | 4394 |
| 4.492 | | 12154 | 9574 |
| 4.533 | | 87998 | 93087 |
| 4.602 | | 221175 | 346133 |
| 4.649 | | 384117 | 343893 |
| 4.694 | | 628265 | 724461 |
| 4.732 | | 156223 | 120191 |
| 4.771 | | 1653478 | 1510656 |
| 4.809 | | 14029 | 22736 |
| 4.862 | | 230506 | 274049 |
| 4.893 | | 14084 | 8512 |
| 4.919 | | 377325 | 358756 |
| 4.972 | | 2384022 | 2826077 |
| 5.022 | | 389711 | 359508 |
| 5.066 | | 1189455 | 1267858 |
| 5.108 | | 25435 | 15156 |
| 5.145 | | 263534 | 313981 |
| 5.181 | | 3207903 | 3323568 |
| 5.243 | | 1528909 | 1387311 |
| 5.286 | | 1054503 | 1025022 |
| 5.339 | | 6180 | 4897 |
| 5.408 | | 2066249 | 2712324 |
| 5.466 | | 934672 | 886337 |
| 5.506 | | 525917 | 483508 |
| 5.547 | | 107494 | 103220 |
| 5.592 | | 568536 | 537143 |
| 5.62 | | 26556 | 13941 |
| 5.648 | | 5492124 | 5520124 |
| 5.736 | | 11704 | 11634 |
| 5.77 | | 6312 | 3774 |
| 5.79 | | 6506 | 4258 |
| 5.817 | | 3085 | 1790 |
| 5.854 | | 3056127 | 3155713 |
| 5.892 | | 747387 | 1516497 |
| 5.954 | | 5562 | 4820 |
| 6.039 | | 59903 | 94239 |
| 6.104 | | 80064 | 64652 |
| 6.127 | | 509469 | 466398 |
| 6.193 | | 3517 | 3759 |
| 6.251 | | 3132 | 2035 |
| 6.284 | | 1347926 | 1329277 |
| 6.329 | | 96970 | 95674 |
| 6.373 | | 855 | 752 |
| 6.397 | | 4383 | 6352 |
| 6.486 | | 274571 | 291569 |
| 6.632 | DCB | 539165 | 620383 |
| 6.71 | | 6509 | 7499 |
| 6.796 | | 1125 | 1483 |
| 6.88 | | 689 | 540 |
| 6.906 | | 1778 | 1801 |
| 6.945 | | 4767 | 5678 |
| 6.989 | | 1348 | 1162 |

LANCASTER LABORATORIES

Sample Number: 8577890ACF DF5 ACATW17 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:38:58 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: 25pcbs16207035B.0013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

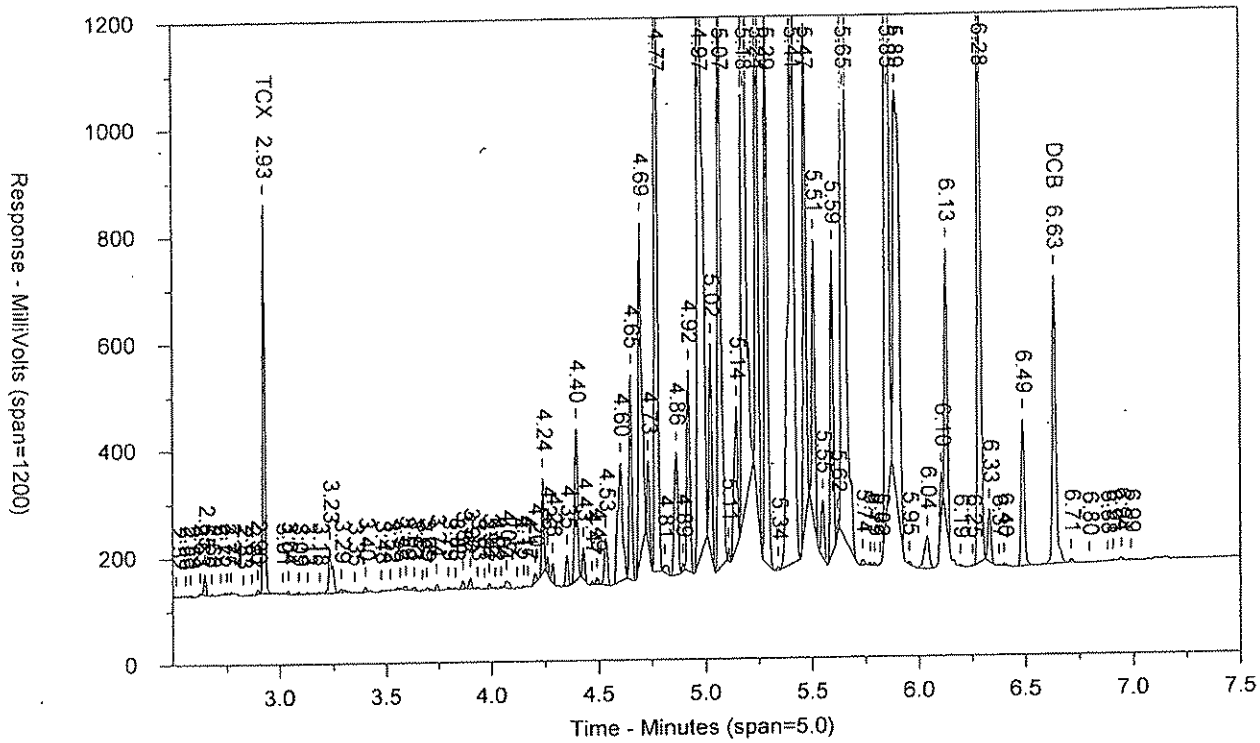
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.007 | | 8075 | 5592 |
| 2.046 | | 10660 | 10242 |
| 2.101 | | 12638 | 10415 |
| 2.125 | | 3603 | 2366 |
| 2.147 | | 20373 | 18934 |
| 2.181 | | 5001 | 4150 |
| 2.219 | | 6186 | 3703 |
| 2.235 | | 4156 | 2227 |
| 2.27 | | 5433 | 7986 |
| 2.295 | | 9606 | 9278 |
| 2.35 | | 56590 | 55239 |
| 2.422 | | 11488 | 14340 |
| 2.458 | | 6090 | 5836 |
| 2.483 | | 4271 | 2838 |
| 2.527 | | 1590 | 1256 |
| 2.564 | | 5879 | 5971 |
| 2.6 | TCX | 1128612 | 684707 |
| 2.69 | | 2342 | 2569 |
| 2.744 | | 2412 | 2091 |
| 2.771 | | 10667 | 5253 |
| 2.801 | | 1766 | 1210 |
| 2.865 | | 4594 | 4709 |
| 2.906 | | 127577 | 107562 |
| 2.928 | | 11496 | 6570 |
| 2.954 | | 20424 | 13496 |
| 2.991 | | 8160 | 6910 |
| 3.048 | | 4925 | 3385 |
| 3.089 | | 2155 | 1531 |
| 3.106 | | 2156 | 2118 |
| 3.134 | | 2631 | 1521 |
| 3.155 | | 8737 | 8125 |
| 3.186 | | 4610 | 2601 |
| 3.214 | | 5070 | 3261 |
| 3.232 | | 4748 | 2517 |
| 3.251 | | 12318 | 9438 |
| 3.289 | | 2771 | 1293 |
| 3.319 | | 8215 | 7404 |
| 3.347 | | 4494 | 4021 |
| 3.37 | | 4322 | 2382 |
| 3.411 | | 8384 | 7859 |
| 3.436 | | 4444 | 3468 |
| 3.466 | | 2155 | 1197 |
| 3.48 | | 7830 | 3921 |
| 3.514 | | 27116 | 15428 |
| 3.538 | | 43355 | 26680 |
| 3.569 | | 6835 | 4917 |
| 3.591 | | 3402 | 2208 |
| 3.613 | | 1699 | 874 |
| 3.641 | | 21192 | 13470 |
| 3.663 | | 9263 | 5347 |
| 3.685 | | 6898 | 4069 |
| 3.714 | | 23092 | 12354 |
| 3.731 | | 8669 | 5023 |
| 3.769 | | 7042 | 5393 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.816 | | 21985 | 22644 |
| 3.839 | | 23872 | 13471 |
| 3.86 | | 398294 | 255149 |
| 3.886 | | 47014 | 26559 |
| 3.905 | | 17327 | 8721 |
| 3.925 | | 119653 | 80272 |
| 3.96 | | 523469 | 342213 |
| 3.991 | | 138549 | 145316 |
| 4.053 | | 3956 | 2318 |
| 4.069 | | 12315 | 7423 |
| 4.102 | | 109182 | 114568 |
| 4.131 | | 26590 | 20733 |
| 4.158 | | 187335 | 134444 |
| 4.2 | | 287637 | 192019 |
| 4.218 | | 287133 | 142232 |
| 4.232 | | 991680 | 549536 |
| 4.257 | | 551153 | 535824 |
| 4.308 | | 3676512 | 2623461 |
| 4.355 | | 69485 | 78098 |
| 4.377 | | 302077 | 195638 |
| 4.402 | | 915481 | 666014 |
| 4.444 | | 5475733 | 3961952 |
| 4.499 | | 15112 | 12601 |
| 4.545 | | 3810581 | 3496904 |
| 4.596 | | 584556 | 498052 |
| 4.635 | | 1239101 | 1024375 |
| 4.67 | | 6313826 | 4993364 |
| 4.703 | | 3170391 | 2179830 |
| 4.741 | | 2220466 | 1673593 |
| 4.798 | | 14757 | 8123 |
| 4.812 | | 5592 | 2845 |
| 4.839 | | 691246 | 679492 |
| 4.89 | | 4202341 | 3126991 |
| 4.913 | | 532020 | 321862 |
| 4.963 | | 2280333 | 1925583 |
| 4.998 | | 1133122 | 875112 |
| 5.027 | | 882613 | 682364 |
| 5.059 | | 205464 | 113501 |
| 5.081 | | 11840810 | 9592533 |
| 5.123 | | 217807 | 158563 |
| 5.154 | | 310778 | 242117 |
| 5.198 | | 9761 | 7247 |
| 5.219 | | 14545 | 9032 |
| 5.272 | | 86829 | 53743 |
| 5.296 | | 1934044 | 1509336 |
| 5.339 | | 7049995 | 7581667 |
| 5.441 | | 4470 | 6100 |
| 5.495 | | 116289 | 95774 |
| 5.54 | | 214681 | 165046 |
| 5.563 | | 58747 | 37578 |
| 5.586 | | 7365 | 3800 |
| 5.612 | | 1185142 | 1000133 |
| 5.654 | | 11016 | 9778 |
| 5.692 | | 4501 | 2733 |
| 5.718 | | 2949530 | 2344698 |
| 5.75 | | 157903 | 115399 |
| 5.831 | | 7139 | 5871 |
| 5.858 | | 3150 | 3398 |
| 5.917 | | 522162 | 450950 |
| 6.006 | | 2868 | 3049 |
| 6.033 | | 2208 | 1511 |
| 6.077 | DCB | 1152856 | 992034 |
| 6.113 | | 4234 | 3168 |
| 6.182 | | 1806 | 1571 |
| 6.208 | | 2139 | 1618 |
| 6.25 | | 8178 | 6132 |

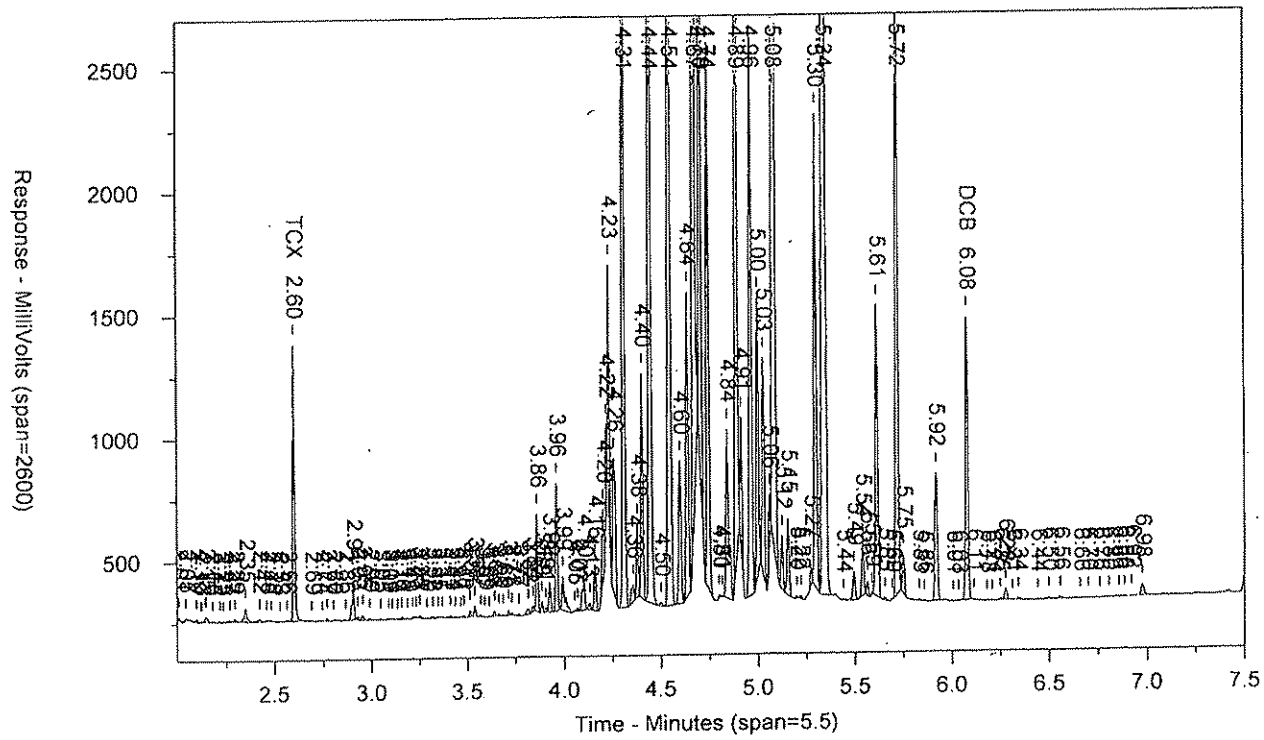
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.276 | | 45396 | 37222 |
| 6.313 | | 1734 | 1195 |
| 6.343 | | 7924 | 7824 |
| 6.442 | | 3608 | 6060 |
| 6.497 | | 8520 | 10657 |
| 6.556 | | 9460 | 11624 |
| 6.657 | | 1311 | 3679 |
| 6.7 | | 3248 | 5151 |
| 6.758 | | 1050 | 1583 |
| 6.804 | | 1557 | 1247 |
| 6.856 | | 2204 | 2625 |
| 6.885 | | 1859 | 1424 |
| 6.921 | | 3179 | 2777 |
| 6.976 | | 45643 | 43443 |

8577890ACF DF5 ACATW17 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0013.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0013.RAW



LANCASTER LABORATORIES

Sample Number: 8577890ACF .DF5 ACATW17 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:38:58 AM
Sample Weight: 10.34
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

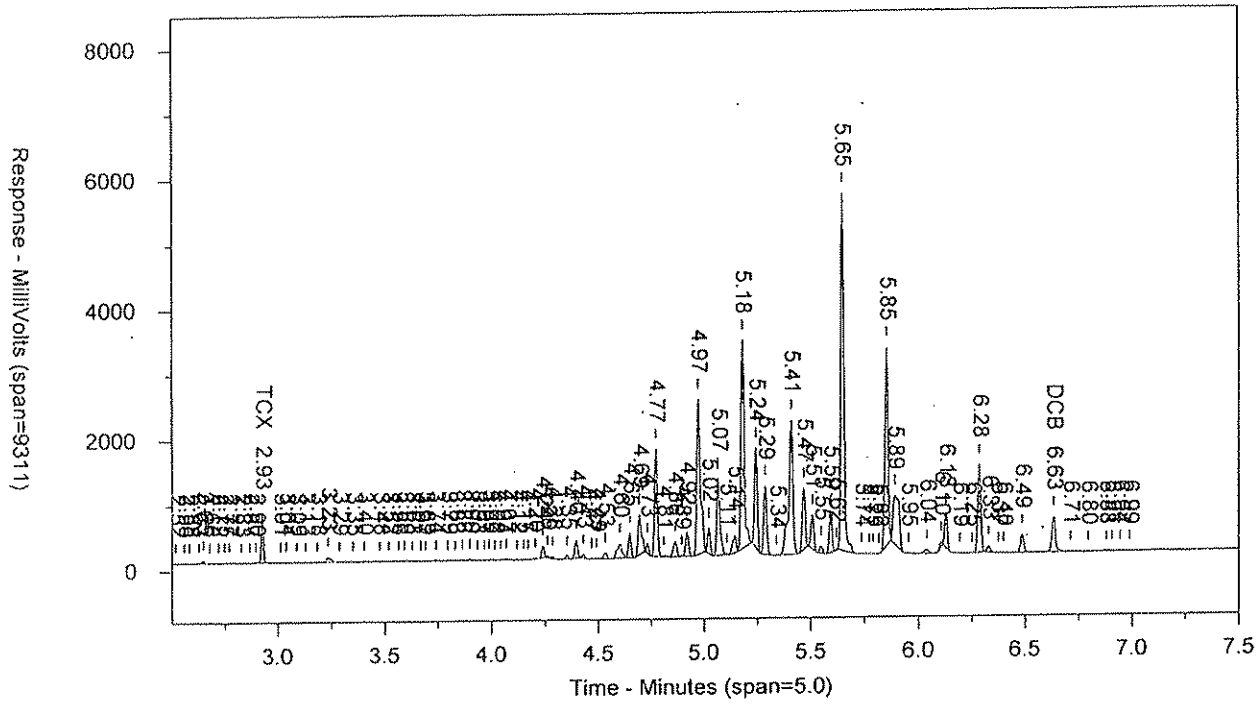
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.926 | 729436 | 26.071 | TCX | 2.6 | 1128612 | 22.22 | TCX |
| 6.632 | 539165 | 39.005 | DCB | 6.077 | 1152856 | 29.304 | DCB |

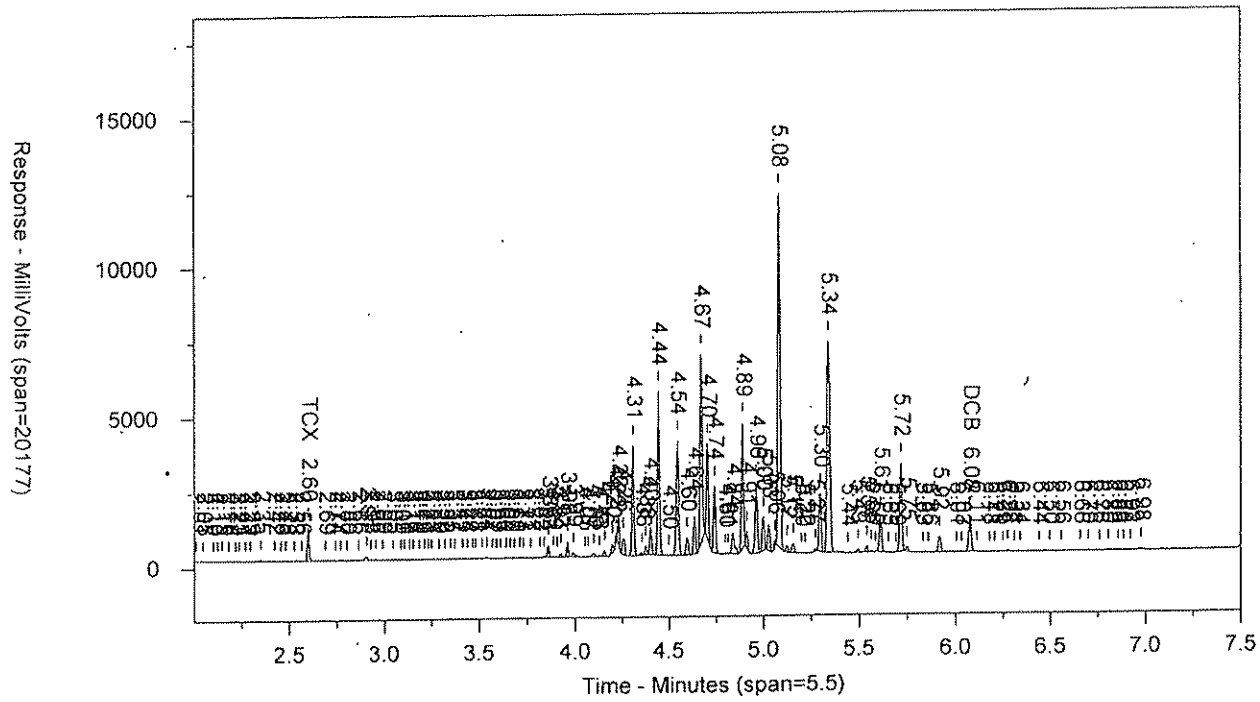
Files:
Area File: 25pcbs16207035.0013.RAW
Area File: 25pcbs16207035B.0013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:47:31 AM
File Reported On: 9/15/2016 at 11:47:41 AM

8577890ACF DF5 ACATW17 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0013.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0013.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577891** ACF ATW18 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:50:09 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0014.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 103% ( 46 - 148 ) Conc: 29.24483
%SSR(DCB) 125% ( 49 - 139 ) Conc: 35.78749

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:50:09 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0014.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 96% ( 46 - 148 ) Conc: 27.36137
%SSR(DCB) 112% ( 49 - 139 ) Conc: 32.02378

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.54** | |
| 4.76 | 4.77 | 4.80 | 2110343 | 516.661489 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2984814 | 675.344378 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1894518 | 704.199477 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2452906 | 728.698871 | | | 4 |
| 5.64 | 5.64 | 5.68 | 6648117 | 946.202556 | | | 5 |

Height summation: **16090698**
Concentration CF: **714.221354** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **23.41** | |
| 4.29 | 4.31 | 4.33 | 4826738 | 484.563428 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7225675 | 640.851757 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4879680 | 518.926982 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5125918 | 683.95336 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15038840 | 905.290017 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8445043 | 758.702705 | | | 6 |

Height summation: **45541894**
Concentration CF: **665.381375** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <49.7076 | <9.6491 | | | 4 | |
| ☑ PCB-1221 | | | <49.7076 | <14.9123 | | | 3 | |
| ☑ PCB-1232 | | | <49.7076 | <11.9883 | | | 4 | |
| ☑ PCB-1242 | | | <49.7076 | <11.9883 | | | 4 | |
| ☑ PCB-1248 | | | <49.7076 | <9.6491 | | | 4 | |
| ☑ PCB-1254 | | | <49.7076 | <12.8655 | | | 4 | |
| ☑ PCB-1260 | A | 714.221354 | 49.7076 | 11.4035 | | 7.08 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 4059550 | 29.24483 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 6895015 | 27.36137 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 2454336 | 35.78749 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 6250528 | 32.02378 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 29.24483 | | | | 6.65 | |
| ☑ Decachlorobiphenyl | A | 35.78749 | | | | 11.10 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomczyko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577891** ACF ATW18 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274A
Result file : 25PCBS16207035.0014.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 103% (46-148) Conc.: 29.24483
%SSR(DCB) : 125% (49-139) Conc.: 35.78749

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 43.79 | |
| 3.17 | 3.18 | 3.21 | 2238.881 | 0.9531 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4267.532 | 1.848111 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4230.362 | 1.507765 | | | 3 |
| 3.73 | 3.74 | 3.77 | 10493.33 | 3.299054 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8324.615 | 3.073347 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2285.163 | 0.843655 | | | 5 |
| 3.98 | 3.99 | 4.02 | 6840.85 | 3.273966 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 1695.874 | 0.811629 | | | 6 |
| Height Summation: | | | 36395.57 | | | | |
| Amount Avg CF: | | | 2.325891 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 111.02 | |
| 3.07 | 3.07 | 3.11 | 2329.029 | 1.933626 | | | 1 |
| 3.13 | 3.13 | 3.17 | 8222.052 | 8.109961 | | | 2 |
| 3.17 | 3.18 | 3.21 | 2238.881 | 0.692491 | | | 3 |
| Height Summation: | | | 12789.962 | | | | |
| Amount Avg CF: | | | 3.578692 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 55.08 | |
| 3.17 | 3.18 | 3.21 | 2238.881 | 0.712926 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4267.532 | 3.326206 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4230.362 | 2.704926 | | | 3 |
| 3.73 | 3.74 | 3.77 | 10493.33 | 6.02838 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8324.615 | 5.685478 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2285.163 | 1.560702 | | | 5 |
| 3.99 | 3.99 | 4.02 | 6840.85 | 6.597202 | | | 6 |
| + 3.99 | 4.01 | 4.02 | 1695.874 | 1.635473 | | | 6 |
| Height Summation: | | | 36395.57 | | | | |
| Amount Avg CF: | | | 4.175853 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 44.27 | |
| 3.17 | 3.18 | 3.21 | 2238.881 | 1.304218 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4267.532 | 2.63882 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4230.362 | 2.103959 | | | 3 |
| 3.73 | 3.74 | 3.77 | 10493.33 | 4.68313 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8324.615 | 4.304295 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2285.163 | 1.181558 | | | 5 |
| 3.98 | 3.99 | 4.02 | 6840.85 | 4.621043 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 1695.874 | 1.145575 | | | 6 |
| Height Summation: | | | 36395.57 | | | | |
| Amount Avg CF: | | | 3.275911 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 197.66 | |
| 3.79 | 3.79 | 3.83 | 8324.615 | 5.423994 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 2285.163 | 1.488923 | | | 1 |
| 3.85 | 3.86 | 3.89 | 12572.89 | 4.84879 | | | 2 |
| 3.98 | 3.99 | 4.02 | 6840.85 | 2.312362 | | | 3 |
| + 3.98 | 4.01 | 4.02 | 1695.874 | 0.573244 | | | 3 |
| 4.25 | 4.28 | 4.29 | 25160.7 | 9.891812 | | | 5 |
| 4.64 | 4.65 | 4.68 | 406354.7 | 218.87191 | | | 6 |
| Height Summation: | | | 459253.755 | | | | |
| Amount Avg CF: | | | 48.269773 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0014.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 96% (46-148) Conc.: 27.36137
%SSR(DCB) : 112% (49-139) Conc.: 32.02378

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 156.00 | |
| 2.87 | 2.91 | 2.91 | 107040.5 | 25.909327 | | | 1 |
| 3.19 | 3.21 | 3.23 | 6294.705 | 1.230955 | | | 2 |
| + 3.19 | 3.23 | 3.23 | 5594.672 | 1.094061 | | | 2 |
| 3.39 | 3.41 | 3.43 | 7290.463 | 1.333615 | | | 3 |
| 3.46 | 3.48 | 3.50 | 10047.89 | 1.788424 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19384.6 | 4.05985 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 11352.04 | 2.377536 | | | 5 |
| Height Summation: | | | 150058.158 | | | | |
| Amount Avg CF: | | | 6.864434 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 66.58 | |
| 2.75 | 2.77 | 2.79 | 11573.46 | 5.02006 | | | 1 |
| 2.81 | 2.82 | 2.85 | 11547.85 | 7.860555 | | | 2 |
| 2.87 | 2.91 | 2.91 | 107040.5 | 18.086794 | | | 3 |
| Height Summation: | | | 130161.81 | | | | |
| Amount Avg CF: | | | 10.32247 | Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 97.58 | |
| 2.87 | 2.91 | 2.91 | 107040.5 | 18.468315 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6294.705 | 2.274268 | | | 2 |
| + 3.20 | 3.23 | 3.24 | 5594.672 | 2.021347 | | | 2 |
| 3.39 | 3.41 | 3.43 | 7290.463 | 2.471145 | | | 3 |
| 3.47 | 3.48 | 3.51 | 10047.89 | 3.471287 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19384.6 | 8.55775 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 11352.04 | 5.011603 | | | 5 |
| Height Summation: | | | 150058.158 | | | | |
| Amount Avg CF: | | | 7.048553 | Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 154.64 | |
| 2.87 | 2.91 | 2.91 | 107040.5 | 35.164441 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6294.705 | 1.670721 | | | 2 |
| + 3.20 | 3.23 | 3.24 | 5594.672 | 1.484921 | | | 2 |
| 3.39 | 3.41 | 3.43 | 7290.463 | 1.834279 | | | 3 |
| 3.47 | 3.48 | 3.51 | 10047.89 | 2.611294 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19384.6 | 5.607906 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 11352.04 | 3.284111 | | | 5 |
| Height Summation: | | | 150058.158 | | | | |
| Amount Avg CF: | | | 9.377728 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 122.63 | |
| + 3.50 | 3.51 | 3.54 | 20419.55 | 3.715594 | | | 1 |
| 3.50 | 3.54 | 3.54 | 45253.92 | 8.234519 | | | 1 |
| 3.63 | 3.64 | 3.67 | 19384.6 | 2.917281 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 11352.04 | 1.708423 | | | 2 |
| 3.85 | 3.86 | 3.89 | 599513.7 | 65.047337 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 28853.63 | 3.130624 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 273165.8 | 65.725493 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1430937 | 344.29288 | | | 5 |
| + 4.37 | 4.37 | 4.40 | 220157.7 | 88.374243 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1252056 | 502.592014 | | | 6 |
| Height Summation: | | | 3347145.22 | | | | |
| Amount Avg CF: | | | 184.616806 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577891** ACF ATW18 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274A
Result file : 25PCBS16207035.0014.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 134.40 | |
| 4.23 | 4.24 | 4.27 | 295677.9 | 94.68805 | | | 1 |
| 4.58 | 4.60 | 4.62 | 286819.1 | 95.735591 | | | 2 |
| 4.64 | 4.65 | 4.68 | 406354.7 | 72.233849 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 2110343 | 1156.150469 | | | 4 |
| 4.86 | 4.86 | 4.90 | 206968.1 | 57.847176 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 21796.3 | 6.092023 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1399017 | 472.843891 | | | 6 |
| Height Summation: | | | 4705179.8 | | | | |
| Amount Avg CF: | | | 324.916504 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.82 | |
| 4.76 | 4.77 | 4.80 | 2110343 | 516.661489 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2984814 | 675.344378 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1894518 | 704.199477 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2452906 | 728.698871 | | | 4 |
| 5.64 | 5.64 | 5.68 | 6648117 | 946.202556 | | | 5 |
| E 5.84 | 5.85 | 5.88 | 3732067 | 931.473851 | | | 6 |
| Height Summation: | | | 19822765 | | | | |
| Amount Avg CF: | | | 750.430104 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.00 | |
| E 5.23 | 5.24 | 5.27 | 1894518 | 393.342871 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2452906 | 584.272481 | | | 2 |
| E 5.64 | 5.64 | 5.68 | 6648117 | 694.434436 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3732067 | 680.897795 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1623152 | 476.781162 | | | 6 |
| Height Summation: | | | 16350760 | | | | |
| Amount Avg CF: | | | 565.945749 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 92.50 | |
| E 5.84 | 5.85 | 5.88 | 3732067 | 335.050935 | | | 1 |
| 6.03 | 6.04 | 6.07 | 85675.27 | 9.494396 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 113587.7 | 45.410893 | | | 4 |
| E 6.10 | 6.12 | 6.14 | 577340.9 | 230.813422 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1623152 | 419.810316 | | | 5 |
| 6.48 | 6.48 | 6.52 | 328483.9 | 12.414759 | | | 6 |
| Height Summation: | | | 6346719.07 | | | | |
| Amount Avg CF: | | | 201.516766 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0014.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 129.79 | |
| 4.15 | 4.16 | 4.19 | 165086.7 | 21.97883 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 273165.8 | 20.916228 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1430937 | 109.566441 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4826738 | 784.406671 | | | 3 |
| + 4.37 | 4.37 | 4.41 | 220157.7 | 26.518744 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1252056 | 150.814405 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 7225675 | 1451.351743 | | | 5 |
| 4.58 | 4.59 | 4.62 | 643815.6 | 111.010302 | | | 6 |
| Height Summation: | | | 15544308.3 | | | | |
| Amount Avg CF: | | | 438.188065 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 23.41 | |
| 4.29 | 4.31 | 4.33 | 4826738 | 484.563428 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7225675 | 640.851757 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4879680 | 518.926982 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5125918 | 683.95336 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 587057.9 | 78.331379 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15038840 | 905.290017 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8445043 | 758.702705 | | | 6 |
| Height Summation: | | | 45541894 | | | | |
| Amount Avg CF: | | | 665.381375 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.60 | |
| E 4.69 | 4.70 | 4.73 | 3907946 | 306.336107 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 5125918 | 393.78859 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 587057.9 | 45.099571 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 15038840 | 629.518438 | | | 3 |
| E 5.28 | 5.29 | 5.32 | 2268095 | 230.291034 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 8445043 | 518.060348 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3600825 | 411.134062 | | | 6 |
| Height Summation: | | | 38386667 | | | | |
| Amount Avg CF: | | | 414.854763 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.91 | |
| 5.29 | 5.29 | 5.33 | 2268095 | 77.409331 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 8445043 | 297.755523 | | | 2 |
| 5.49 | 5.49 | 5.53 | 183176.5 | 7.37012 | | | 3 |
| 5.55 | 5.56 | 5.59 | 108317.8 | 18.148733 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 12003.65 | 2.011221 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3600825 | 358.160204 | | | 5 |
| + 5.71 | 5.75 | 5.75 | 183350.9 | 18.237208 | | | 5 |
| 5.91 | 5.92 | 5.95 | 656242.8 | 7.937869 | | | 6 |
| Height Summation: | | | 15261700.1 | | | | |
| Amount Avg CF: | | | 127.796963 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 49.7076 | 9.6491 | | ** 98.77 | 4 | 40 | |
| Aroclor-1221 | | | 49.7076 | 14.9123 | | ** 97.02 | 3 | 5 | |
| Aroclor-1232 | | | 49.7076 | 11.9883 | | ** 51.19 | 4 | 10 | |
| Aroclor-1242 | | | 49.7076 | 11.9883 | | ** 96.44 | 4 | 30 | |
| Aroclor-1248 | | | 49.7076 | 9.6491 | | ** 117.09 | 4 | 40 | |
| Aroclor-1254 | | | 49.7076 | 12.8655 | E | 29.69 | 4 | 40 | |
| Aroclor-1260 | | | 49.7076 | 11.4035 | E | 12.01 | 4 | 40 | |
| Aroclor-1262 | | | 49.7076 | 9.6491 | E | 30.81 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577891** ACF ATW18 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 10 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274A
Result file : 25PCBS16207035.0014.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 11:50:09
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0014.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 49.7076 | 9.6491 | E | ** 44.77 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577891ACF ABATW18 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:50:09 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: 25pcbs16207035.0014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.002 | | 2002 | 917 |
| 2.037 | | 15102 | 12473 |
| 2.07 | | 3681 | 2085 |
| 2.085 | | 9999 | 7219 |
| 2.104 | | 7097 | 3670 |
| 2.129 | | 120142 | 103313 |
| 2.196 | | 34123 | 23832 |
| 2.217 | | 19779 | 17882 |
| 2.285 | | 3392 | 1653 |
| 2.308 | | 48201 | 30496 |
| 2.328 | | 8301 | 5130 |
| 2.356 | | 2671 | 1504 |
| 2.387 | | 47231 | 41890 |
| 2.443 | | 2242 | 2383 |
| 2.457 | | 3672 | 2015 |
| 2.479 | | 3226 | 8143 |
| 2.563 | | 5058 | 6197 |
| 2.593 | | 2650 | 2552 |
| 2.624 | | 4037 | 3871 |
| 2.648 | | 33747 | 22542 |
| 2.698 | | 3687 | 2907 |
| 2.732 | | 13372 | 11527 |
| 2.783 | | 1041 | 717 |
| 2.873 | | 5542 | 6743 |
| 2.925 | TCX | 4059550 | 2670545 |
| 3.014 | | 2103 | 1171 |
| 3.038 | | 6332 | 4536 |
| 3.069 | | 2329 | 3119 |
| 3.126 | | 8222 | 7384 |
| 3.179 | | 2239 | 1943 |
| 3.232 | | 60528 | 78935 |
| 3.316 | | 1434 | 1199 |
| 3.357 | | 1036 | 1289 |
| 3.4 | | 4268 | 4850 |
| 3.457 | | 855 | 368 |
| 3.489 | | 3195 | 3315 |
| 3.515 | | 4230 | 3154 |
| 3.562 | | 2371 | 2328 |
| 3.592 | | 8287 | 5392 |
| 3.629 | | 2596 | 2331 |
| 3.669 | | 3963 | 3674 |
| 3.703 | | 3373 | 4202 |
| 3.737 | | 10493 | 7833 |
| 3.792 | | 8325 | 6701 |
| 3.824 | | 2285 | 2253 |
| 3.861 | | 12573 | 9830 |
| 3.896 | | 22885 | 19287 |
| 3.928 | | 3506 | 4377 |
| 3.965 | | 1272 | 777 |
| 3.986 | | 6841 | 4391 |
| 4.008 | | 1696 | 1670 |
| 4.042 | | 3163 | 2004 |
| 4.067 | | 17255 | 21600 |
| 4.119 | | 2301 | 2237 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.147 | | 5590 | 6088 |
| 4.202 | | 17224 | 14115 |
| 4.237 | | 295678 | 266487 |
| 4.281 | | 25161 | 18736 |
| 4.348 | | 77105 | 65372 |
| 4.391 | | 368563 | 337344 |
| 4.426 | | 47046 | 36602 |
| 4.466 | | 6801 | 4956 |
| 4.489 | | 12441 | 9736 |
| 4.53 | | 87852 | 91706 |
| 4.6 | | 286819 | 377935 |
| 4.646 | | 406355 | 364197 |
| 4.691 | | 801742 | 915616 |
| 4.729 | | 204776 | 146638 |
| 4.768 | | 2110343 | 1928422 |
| 4.808 | | 11731 | 15652 |
| 4.858 | | 206968 | 258400 |
| 4.89 | | 21796 | 13490 |
| 4.916 | | 469700 | 442197 |
| 4.969 | | 2984814 | 3579045 |
| 5.019 | | 494732 | 440788 |
| 5.062 | | 1399017 | 1525161 |
| 5.104 | | 23811 | 13236 |
| 5.142 | | 305504 | 372156 |
| 5.178 | | 3877528 | 3985750 |
| 5.24 | | 1894518 | 1706006 |
| 5.284 | | 1270682 | 1247909 |
| 5.335 | | 5870 | 5259 |
| 5.405 | | 2452906 | 3254014 |
| 5.463 | | 1151326 | 1076834 |
| 5.503 | | 622485 | 579812 |
| 5.544 | | 138593 | 134334 |
| 5.589 | | 629247 | 598779 |
| 5.617 | | 30441 | 16049 |
| 5.645 | | 6648117 | 6669840 |
| 5.733 | | 10446 | 9997 |
| 5.767 | | 4710 | 2988 |
| 5.788 | | 5377 | 3432 |
| 5.852 | | 3732067 | 3726601 |
| 5.889 | | 904126 | 1767170 |
| 5.951 | | 7210 | 6426 |
| 6.036 | | 85675 | 124240 |
| 6.1 | | 113588 | 85668 |
| 6.124 | | 577341 | 543675 |
| 6.191 | | 4484 | 5317 |
| 6.25 | | 3114 | 2680 |
| 6.282 | | 1623152 | 1548018 |
| 6.327 | | 106526 | 106971 |
| 6.402 | | 9885 | 16190 |
| 6.483 | | 328484 | 345053 |
| 6.543 | | 11292 | 10779 |
| 6.573 | | 1718 | 1250 |
| 6.629 | DCB | 2454336 | 2546455 |
| 6.707 | | 7567 | 7624 |
| 6.794 | | 942 | 1158 |
| 6.841 | | 1474 | 1939 |
| 6.942 | | 26635 | 31964 |
| 6.985 | | 1197 | 1017 |

LANCASTER LABORATORIES

Sample Number: 8577891ACF ABATW18 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:50:09 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: 25pcbs16207035B.0014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

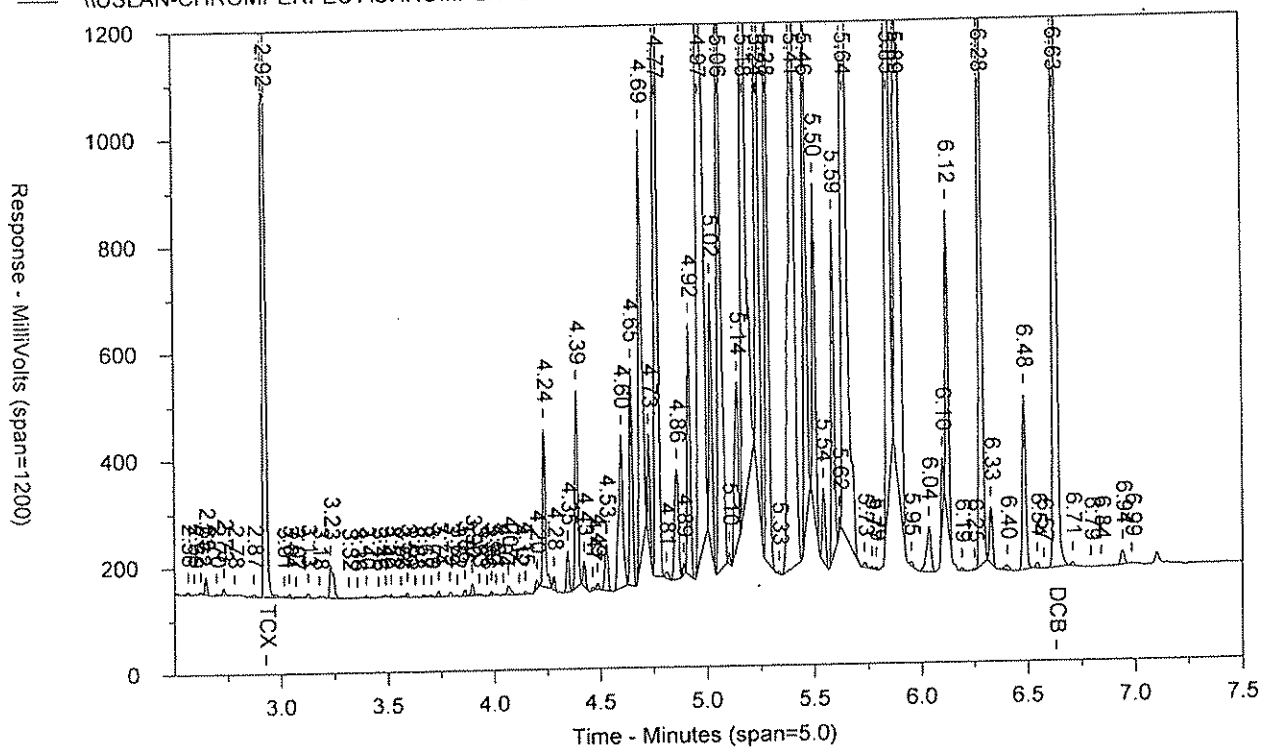
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.022 | | 8470 | 8424 |
| 2.043 | | 17309 | 15445 |
| 2.103 | | 68709 | 49488 |
| 2.146 | | 24565 | 17858 |
| 2.173 | | 12929 | 11251 |
| 2.219 | | 5678 | 5377 |
| 2.273 | | 2033 | 2404 |
| 2.296 | | 8720 | 7885 |
| 2.35 | | 50658 | 39778 |
| 2.378 | | 6942 | 6295 |
| 2.421 | | 18173 | 11051 |
| 2.447 | | 3774 | 2017 |
| 2.472 | | 3970 | 3748 |
| 2.528 | | 3634 | 4315 |
| 2.575 | | 6030 | 4084 |
| 2.599 | TCX | 6895015 | 3992143 |
| 2.661 | | 3897 | 2192 |
| 2.716 | | 2519 | 1088 |
| 2.769 | | 11573 | 6997 |
| 2.817 | | 11548 | 10033 |
| 2.905 | | 107041 | 102732 |
| 2.932 | | 7397 | 4154 |
| 2.952 | | 2766 | 2209 |
| 2.98 | | 2249 | 2514 |
| 3.05 | | 3262 | 3244 |
| 3.091 | | 5506 | 3553 |
| 3.112 | | 3144 | 4746 |
| 3.165 | | 3955 | 4050 |
| 3.184 | | 5570 | 3561 |
| 3.214 | | 6295 | 4713 |
| 3.228 | | 5595 | 2272 |
| 3.248 | | 10417 | 8338 |
| 3.305 | | 7219 | 8930 |
| 3.344 | | 7230 | 6237 |
| 3.37 | | 1736 | 637 |
| 3.409 | | 7290 | 7267 |
| 3.478 | | 10048 | 7759 |
| 3.512 | | 20420 | 11690 |
| 3.536 | | 45254 | 27468 |
| 3.57 | | 7777 | 6076 |
| 3.639 | | 19385 | 13169 |
| 3.661 | | 11352 | 6472 |
| 3.683 | | 6525 | 3990 |
| 3.711 | | 27185 | 21515 |
| 3.764 | | 6660 | 5430 |
| 3.813 | | 25661 | 26437 |
| 3.839 | | 11588 | 7185 |
| 3.858 | | 599514 | 387102 |
| 3.883 | | 28854 | 15715 |
| 3.903 | | 16163 | 8252 |
| 3.923 | | 165948 | 104189 |
| 3.957 | | 727321 | 477719 |
| 3.989 | | 111890 | 128047 |
| 4.051 | | 3756 | 2236 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.066 | | 13527 | 8354 |
| 4.099 | | 100669 | 111851 |
| 4.129 | | 27187 | 24505 |
| 4.156 | | 165087 | 111798 |
| 4.198 | | 388571 | 245089 |
| 4.216 | | 273166 | 132540 |
| 4.229 | | 1430937 | 811663 |
| 4.254 | | 752134 | 718482 |
| 4.306 | | 4826739 | 3434080 |
| 4.354 | | 90824 | 87066 |
| 4.375 | | 220158 | 135363 |
| 4.399 | | 1252056 | 875469 |
| 4.441 | | 7225675 | 5132436 |
| 4.496 | | 18459 | 12350 |
| 4.543 | | 4879681 | 4493879 |
| 4.594 | | 643816 | 533734 |
| 4.633 | | 1580629 | 1268304 |
| 4.668 | | 7755480 | 6122134 |
| 4.701 | | 3907946 | 2673711 |
| 4.738 | | 2743969 | 2089550 |
| 4.796 | | 7607 | 4477 |
| 4.809 | | 12798 | 6750 |
| 4.836 | | 860865 | 843270 |
| 4.887 | | 5125919 | 3937831 |
| 4.91 | | 587058 | 358762 |
| 4.96 | | 2809878 | 2389042 |
| 4.995 | | 1409904 | 1077519 |
| 5.025 | | 1080127 | 868226 |
| 5.057 | | 164471 | 92845 |
| 5.079 | | 15038840 | 11988010 |
| 5.12 | | 248772 | 190813 |
| 5.151 | | 393853 | 310283 |
| 5.195 | | 8324 | 6290 |
| 5.217 | | 12704 | 7881 |
| 5.27 | | 112509 | 67849 |
| 5.294 | | 2268095 | 1839218 |
| 5.337 | | 8445043 | 9141467 |
| 5.44 | | 3957 | 5904 |
| 5.492 | | 183177 | 149402 |
| 5.538 | | 254561 | 190501 |
| 5.562 | | 108318 | 74184 |
| 5.583 | | 12004 | 5591 |
| 5.609 | | 1489216 | 1189836 |
| 5.653 | | 8399 | 6712 |
| 5.689 | | 7345 | 4401 |
| 5.716 | | 3600825 | 2851976 |
| 5.748 | | 183351 | 135410 |
| 5.805 | | 3417 | 2824 |
| 5.832 | | 6038 | 5046 |
| 5.855 | | 11529 | 8651 |
| 5.916 | | 656243 | 550573 |
| 6.008 | | 22087 | 16559 |
| 6.075 | DCB | 6250528 | 5058823 |
| 6.249 | | 9772 | 6949 |
| 6.275 | | 31683 | 26198 |
| 6.311 | | 1904 | 1344 |
| 6.341 | | 44682 | 40311 |
| 6.393 | | 3150 | 5067 |
| 6.495 | | 50585 | 56322 |
| 6.555 | | 8176 | 12599 |
| 6.613 | | 1593 | 1489 |
| 6.699 | | 4150 | 7624 |
| 6.747 | | 1771 | 2770 |
| 6.807 | | 2189 | 2660 |
| 6.854 | | 2066 | 2192 |
| 6.881 | | 1425 | 940 |

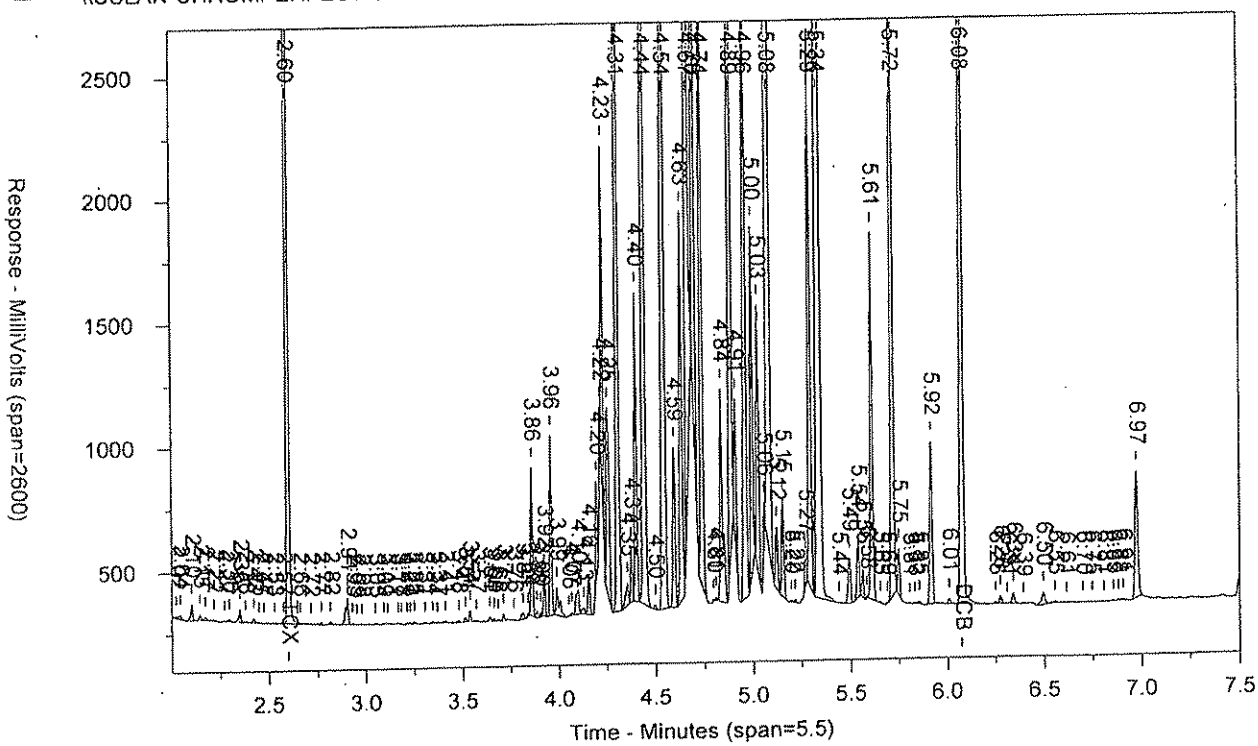
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.905 | | 4160 | 6192 |
| 6.973 | | 509235 | 499490 |

8577891ACF ABATW18 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0014.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0014.RAW



LANCASTER LABORATORIES

Sample Number: 8577891ACF ABATW18 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:50:09 AM
Sample Weight: 10.26
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

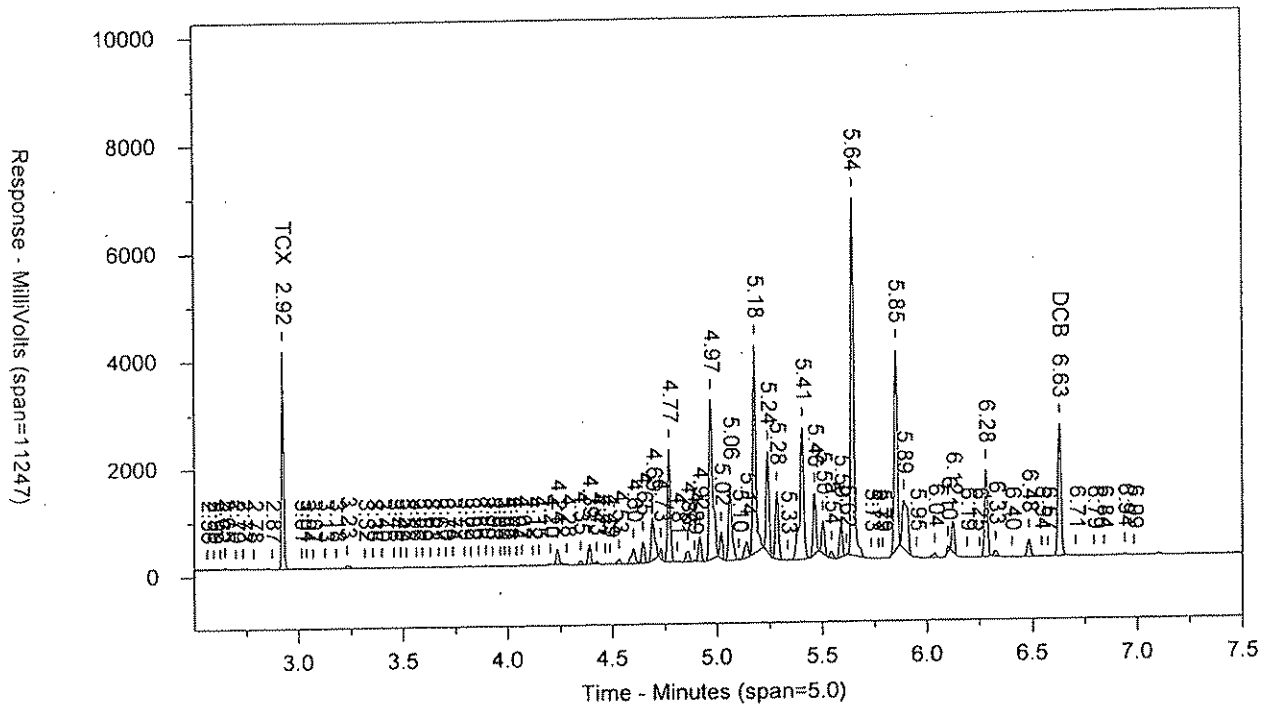
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 4059550 | 29.245 | TCX | 2.599 | 6895015 | 27.361 | TCX |
| 6.629 | 2454336 | 35.787 | DCB | 6.075 | 6250528 | 32.024 | DCB |

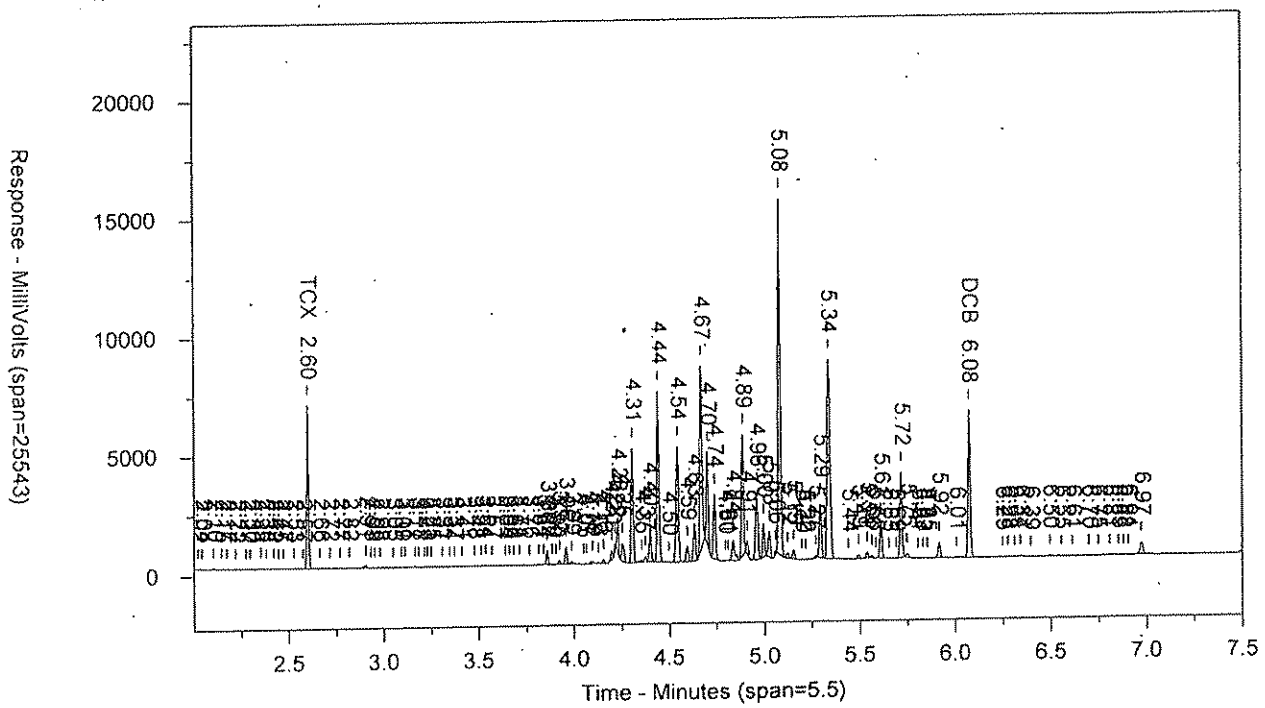
Files:
Area File: 25pcbs16207035.0014.RAW
Area File: 25pcbs16207035B.0014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:58:40 AM
File Reported On: 9/15/2016 at 11:58:49 AM

8577891ACF ABATW18 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0014.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0014.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577892** ACF DF50 ATW19 Sample ID: AD **Batchnumber: 162570008A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:12:45 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0016.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 116% ( 46 - 148 ) Conc: 33.12225
%SSR(DCB) * 178% ( 49 - 139 ) Conc: 50.6722

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:12:45 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0016.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 98% ( 46 - 148 ) Conc: 27.90371
%SSR(DCB) 122% ( 49 - 139 ) Conc: 34.80072

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.59** | |
| 4.76 | 4.77 | 4.80 | 990955.9 | 12106.862823 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1429682 | 16142.534212 | | | 2 |
| 5.23 | 5.24 | 5.27 | 880195.8 | 16326.778646 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1209410 | 17929.368635 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3013230 | 21401.390728 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1668114 | 20776.443803 | | | 6 |

Height summation: **9191587.7**
Concentration CF: **17447.229808** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.01** | |
| 4.29 | 4.31 | 4.33 | 2446317 | 12255.580629 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3546046 | 15694.510367 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2468642 | 13100.783633 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2644878 | 17611.028806 | | | 4 |
| 5.07 | 5.08 | 5.11 | 7025794 | 21105.374119 | | | 5 |
| 5.33 | 5.34 | 5.37 | 4288824 | 19227.917157 | | | 6 |

Height summation: **22420501**
Concentration CF: **16499.199119** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2480.5448 | <481.5175 | | | 4 | |
| ☑ PCB-1221 | | | <2480.5448 | <744.1634 | | | 3 | |
| ☑ PCB-1232 | | | <2480.5448 | <598.249 | | | 4 | |
| ☑ PCB-1242 | | | <2480.5448 | <598.249 | | | 4 | |
| ☑ PCB-1248 | | | <2480.5448 | <481.5175 | | | 4 | |
| ☑ PCB-1254 | | | <2480.5448 | <642.0234 | | | 4 | |
| ☑ PCB-1260 | A | 17447.229808 | 2480.5448 | 569.0662 | | 5.59 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 92135 | 33.12225 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 140908 | 27.90371 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 69638 | 50.6722 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 136116 | 34.80072 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 33.12225 | | | | 17.10 | |
| ☑ Decachlorobiphenyl | A | 50.6722 | | | | 37.14 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Scientist
Date: SEP 15 2016

# ®Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577892** ACF DF50 ATW19 Sample ID: AD **Batchnumber: 162570008A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:12:45
Instrument : P 25--18274A
Result file : 25PCBS16207035.0016.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 116% (46-148) Conc.: 33.12225
%SSR(DCB) : *178% (49-139) Conc.: 50.6722

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 33.05 | |
| 3.17 | 3.18 | 3.21 | 3609.24 | 76.673909 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5087.234 | 109.940382 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3400.989 | 60.490291 | | | 3 |
| 3.73 | 3.74 | 3.77 | 9603.314 | 150.668176 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4771.767 | 87.91257 | | | 5 |
| 3.98 | 3.99 | 4.02 | 5411.724 | 129.248056 | | | 6 |
| Height Summation: | | | 31884.268 | | | | |
| Amount Avg CF: | | | 102.488897 | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.17 | 3.18 | 3.21 | 3609.24 | 55.708682 | | | 3 |
| Height Summation: | | | 3609.24 | | | | |
| Amount Avg CF: | | | 55.708682 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 48.12 | |
| 3.17 | 3.18 | 3.21 | 3609.24 | 57.352644 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5087.234 | 197.869283 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3400.989 | 108.519402 | | | 3 |
| 3.73 | 3.74 | 3.77 | 9603.314 | 275.316751 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4771.767 | 162.632103 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2079.025 | 70.857652 | | | 5 |
| 3.99 | 3.99 | 4.02 | 5411.724 | 260.441147 | | | 6 |
| Height Summation: | | | 31884.268 | | | | |
| Amount Avg CF: | | | 177.021888 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 34.01 | |
| 3.17 | 3.18 | 3.21 | 3609.24 | 104.920191 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5087.234 | 156.978081 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3400.989 | 84.409086 | | | 3 |
| 3.73 | 3.74 | 3.77 | 9603.314 | 213.879054 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4771.767 | 123.123601 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 2079.025 | 53.644079 | | | 5 |
| 3.98 | 3.99 | 4.02 | 5411.724 | 182.427304 | | | 6 |
| Height Summation: | | | 31884.268 | | | | |
| Amount Avg CF: | | | 144.289553 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 194.67 | |
| 3.79 | 3.79 | 3.83 | 4771.767 | 155.152398 | | | 1 |
| 3.85 | 3.86 | 3.89 | 8899.817 | 171.278785 | | | 2 |
| 3.98 | 3.99 | 4.02 | 5411.724 | 91.286321 | | | 3 |
| + 4.25 | 4.26 | 4.29 | 13805.15 | 270.843557 | | | 5 |
| 4.25 | 4.28 | 4.29 | 19218.59 | 377.049961 | | | 5 |
| 4.64 | 4.65 | 4.68 | 254839 | 6849.752543 | | | 6 |
| Height Summation: | | | 293140.898 | | | | |
| Amount Avg CF: | | | 1528.904002 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 128.41 | |
| 4.23 | 4.24 | 4.27 | 118199.8 | 1888.936246 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 13805.15 | 220.618378 | | | 1 |
| 4.58 | 4.60 | 4.62 | 146816.8 | 2445.487009 | | | 2 |
| 4.64 | 4.65 | 4.68 | 254839 | 2260.609838 | | | 3 |
| 4.77 | 4.77 | 4.81 | 990955.9 | 27091.926572 | | | 4 |
| 4.86 | 4.86 | 4.90 | 146738.6 | 2046.667857 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 10070.68 | 140.462953 | | | 5 |
| 5.06 | 5.06 | 5.10 | 691327 | 11660.107648 | | | 6 |
| Height Summation: | | | 2348877.1 | | | | |
| Amount Avg CF: | | | 7898.955862 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:12:45
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0016.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 98% (46-148) Conc.: 27.90371
%SSR(DCB) : 122% (49-139) Conc.: 34.80072

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 155.36 | |
| + 2.87 | 2.89 | 2.91 | 11026.62 | 133.190933 | | | 1 |
| 2.87 | 2.91 | 2.91 | 75686.24 | 914.216769 | | | 1 |
| 3.19 | 3.21 | 3.23 | 4637.817 | 45.258985 | | | 2 |
| 3.39 | 3.41 | 3.43 | 9018.251 | 82.323154 | | | 3 |
| 3.46 | 3.48 | 3.50 | 9609.905 | 85.356969 | | | 4 |
| 3.63 | 3.64 | 3.67 | 12461.77 | 130.243812 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4758.469 | 49.732995 | | | 5 |
| 3.72 | 3.73 | 3.76 | 5028.29 | 61.169515 | | | 6 |
| Height Summation: | | | 116442.273 | | | | |
| Amount Avg CF: | | | 219.761534 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 86.09 | |
| + 2.75 | 2.75 | 2.79 | 1058.183 | 22.905023 | | | 1 |
| 2.75 | 2.77 | 2.79 | 7170.717 | 155.214587 | | | 1 |
| + 2.87 | 2.89 | 2.91 | 11026.62 | 92.977982 | | | 3 |
| 2.87 | 2.91 | 2.91 | 75686.24 | 638.196825 | | | 3 |
| Height Summation: | | | 82856.957 | | | | |
| Amount Avg CF: | | | 396.705706 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 87.38 | |
| + 2.87 | 2.89 | 2.91 | 11026.62 | 94.939251 | | | 1 |
| 2.87 | 2.91 | 2.91 | 75686.24 | 651.658889 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4637.817 | 83.618831 | | | 2 |
| 3.39 | 3.41 | 3.43 | 9018.251 | 152.542062 | | | 3 |
| 3.47 | 3.48 | 3.51 | 9609.905 | 165.675782 | | | 4 |
| 3.63 | 3.64 | 3.67 | 12461.77 | 274.540694 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4758.469 | 104.832089 | | | 5 |
| 3.72 | 3.73 | 3.76 | 5028.29 | 120.616993 | | | 6 |
| Height Summation: | | | 116442.273 | | | | |
| Amount Avg CF: | | | 241.442209 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 153.85 | |
| + 2.87 | 2.89 | 2.91 | 11026.62 | 180.768288 | | | 1 |
| 2.87 | 2.91 | 2.91 | 75686.24 | 1240.785664 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4637.817 | 61.428023 | | | 2 |
| 3.39 | 3.41 | 3.43 | 9018.251 | 113.228817 | | | 3 |
| 3.47 | 3.48 | 3.51 | 9609.905 | 124.630456 | | | 4 |
| 3.63 | 3.64 | 3.67 | 12461.77 | 179.906923 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4758.469 | 68.696623 | | | 5 |
| 3.72 | 3.73 | 3.76 | 5028.29 | 83.318276 | | | 6 |
| Height Summation: | | | 116442.273 | | | | |
| Amount Avg CF: | | | 300.549693 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 139.75 | |
| + 3.50 | 3.51 | 3.54 | 15244.88 | 138.430031 | | | 1 |
| 3.50 | 3.54 | 3.54 | 38921.87 | 353.427226 | | | 1 |
| 3.63 | 3.64 | 3.67 | 12461.77 | 93.589136 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 4758.469 | 35.736577 | | | 2 |
| 3.72 | 3.73 | 3.76 | 5028.29 | 51.74475 | | | 3 |
| 3.85 | 3.86 | 3.89 | 267195.6 | 1446.718252 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 23031.04 | 124.700504 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 229008.4 | 2749.68656 | | | 5 |
| 4.21 | 4.23 | 4.25 | 647797.7 | 7778.058052 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 207362 | 4153.796854 | | | 6 |
| 4.37 | 4.40 | 4.40 | 598330.3 | 11985.525399 | | | 6 |
| Height Summation: | | | 1569735.53 | | | | |
| Amount Avg CF: | | | 3618.177136 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577892** ACF DF50 ATW19 Sample ID: AD **Batchnumber: 162570008A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:12:45
Instrument : P 25--18274A
Result file : 25PCBS16207035.0016.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 19.59 | |
| 4.76 | 4.77 | 4.80 | 990955.9 | 12106.862823 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1429682 | 16142.534212 | | | 2 |
| 5.23 | 5.24 | 5.27 | 880195.8 | 16326.778646 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1209410 | 17929.368635 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3013230 | 21401.390728 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1668114 | 20776.443803 | | | 6 |
| Height Summation: | | | **9191587.7** | | | | |
| Amount Avg CF: | | | **17447.229808** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 21.82 | |
| 5.23 | 5.24 | 5.27 | 880195.8 | 9119.60629 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1209410 | 14375.810261 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3013230 | 15706.85115 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 1668114 | 15187.366519 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 756713.4 | 11092.145853 | | | 6 |
| Height Summation: | | | **7527663.2** | | | | |
| Amount Avg CF: | | | **13096.356014** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.20 | |
| 5.84 | 5.85 | 5.88 | 1668114 | 7473.282168 | | | 1 |
| 6.03 | 6.04 | 6.07 | 33885.38 | 187.390888 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 46732.86 | 932.342209 | | | 4 |
| 6.10 | 6.13 | 6.14 | 317776.6 | 6339.790402 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 756713.4 | 9766.739189 | | | 5 |
| 6.48 | 6.48 | 6.52 | 169743.2 | 320.14066 | | | 6 |
| Height Summation: | | | **2946232.58** | | | | |
| Amount Avg CF: | | | **4817.468661** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:12:45
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0016.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.30 | |
| 4.15 | 4.16 | 4.19 | 135528.7 | 900.425957 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 229008.4 | 875.04967 | | | 2 |
| 4.21 | 4.23 | 4.25 | 647797.7 | 2475.259265 | | | 2 |
| 4.30 | 4.31 | 4.34 | 2446317 | 19839.217408 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 207362 | 1246.443205 | | | 4 |
| 4.37 | 4.40 | 4.41 | 598330.3 | 3596.535221 | | | 4 |
| 4.43 | 4.44 | 4.47 | 3546046 | 35543.719314 | | | 5 |
| 4.58 | 4.60 | 4.62 | 381284.5 | 3280.7655 | | | 6 |
| Height Summation: | | | **7755304.2** | | | | |
| Amount Avg CF: | | | **10939.320444** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.01 | |
| 4.29 | 4.31 | 4.33 | 2446317 | 12255.580629 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3546046 | 15694.510367 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2468642 | 13100.783633 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2644878 | 17611.028806 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 324433 | 2160.250457 | | | 4 |
| 5.07 | 5.08 | 5.11 | 7025794 | 21105.374119 | | | 5 |
| 5.33 | 5.34 | 5.37 | 4288824 | 19227.917157 | | | 6 |
| Height Summation: | | | **22420501** | | | | |
| Amount Avg CF: | | | **16499.199118** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 31.42 | |
| 4.69 | 4.70 | 4.73 | 1940705 | 7591.601628 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 2644878 | 10139.612753 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 324433 | 1243.771918 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 7025794 | 14676.205302 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1197762 | 6068.908228 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 4288824 | 13129.281586 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 1795615 | 10231.019645 | | | 6 |
| Height Summation: | | | **18893578** | | | | |
| Amount Avg CF: | | | **10306.104857** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.57 | |
| 5.29 | 5.30 | 5.33 | 1197762 | 2039.984439 | | | 1 |
| 5.33 | 5.34 | 5.37 | 4288824 | 7546.063153 | | | 2 |
| 5.49 | 5.49 | 5.53 | 66776.81 | 134.077137 | | | 3 |
| 5.55 | 5.56 | 5.59 | 30865.55 | 258.074297 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 8700.207 | 72.744526 | | | 4 |
| 5.71 | 5.72 | 5.75 | 1795615 | 8912.771834 | | | 5 |
| 5.91 | 5.92 | 5.95 | 343715.2 | 207.473378 | | | 6 |
| Height Summation: | | | **7723558.56** | | | | |
| Amount Avg CF: | | | **3183.07404** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2480.5448 | 481.5175 | | ** 72.78 | 4 | 40 | |
| Aroclor-1221 | | | 2480.5448 | 744.1634 | | ** 150.75 | 3 | 5 | |
| Aroclor-1232 | | | 2480.5448 | 598.249 | | 30.79 | 4 | 10 | |
| Aroclor-1242 | | | 2480.5448 | 598.249 | | ** 70.25 | 4 | 30 | |
| Aroclor-1248 | | | 2480.5448 | 481.5175 | | ** 81.18 | 4 | 40 | |
| Aroclor-1254 | | | 2480.5448 | 642.0234 | | 32.28 | 4 | 40 | |
| Aroclor-1260 | | | 2480.5448 | 569.0662 | | 5.59 | 4 | 40 | |
| Aroclor-1262 | | | 2480.5448 | 481.5175 | E | 23.85 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577892** ACF DF50 ATW19 Sample ID: AD **Batchnumber: 162570008A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 12:12:45 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0016.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 12:12:45 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0016.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 2480.5448 | 481.5175 | E | ** 40.86 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577892ACF DF50 ADATW19 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:12:45 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: 25pcbs16207035.0016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.037 | | 5644 | 6817 |
| 2.088 | | 8068 | 10540 |
| 2.131 | | 1983 | 2642 |
| 2.197 | | 36167 | 27954 |
| 2.283 | | 1394 | 905 |
| 2.308 | | 7141 | 5502 |
| 2.38 | | 5781 | 5585 |
| 2.408 | | 4619 | 3814 |
| 2.489 | | 1887 | 1803 |
| 2.566 | | 1264 | 2335 |
| 2.626 | | 3668 | 1745 |
| 2.648 | | 25263 | 16131 |
| 2.706 | | 1275 | 1330 |
| 2.761 | | 2087 | 3293 |
| 2.811 | | 3660 | 3657 |
| 2.925 | TCX | 92135 | 64090 |
| 3.039 | | 4916 | 3076 |
| 3.176 | | 3609 | 4760 |
| 3.232 | | 57772 | 59714 |
| 3.401 | | 5087 | 8715 |
| 3.473 | | 1863 | 2244 |
| 3.515 | | 3401 | 2637 |
| 3.566 | | 2023 | 2612 |
| 3.593 | | 5118 | 3486 |
| 3.632 | | 1108 | 1430 |
| 3.672 | | 1026 | 578 |
| 3.702 | | 2374 | 2612 |
| 3.739 | | 9603 | 8282 |
| 3.792 | | 4772 | 3708 |
| 3.827 | | 2079 | 2157 |
| 3.863 | | 8900 | 6623 |
| 3.898 | | 21224 | 17041 |
| 3.928 | | 3266 | 3693 |
| 3.964 | | 1118 | 719 |
| 3.988 | | 5412 | 3695 |
| 4.042 | | 3168 | 2199 |
| 4.068 | | 15387 | 16071 |
| 4.119 | | 2005 | 1593 |
| 4.149 | | 4796 | 5174 |
| 4.203 | | 15765 | 13434 |
| 4.238 | | 118200 | 92276 |
| 4.259 | | 13805 | 7500 |
| 4.283 | | 19219 | 14018 |
| 4.31 | | 1526 | 1193 |
| 4.35 | | 38277 | 33136 |
| 4.393 | | 193653 | 181578 |
| 4.427 | | 41108 | 32100 |
| 4.468 | | 3118 | 2335 |
| 4.49 | | 9593 | 7398 |
| 4.532 | | 72031 | 74648 |
| 4.601 | | 146817 | 226661 |
| 4.648 | | 254839 | 240021 |
| 4.693 | | 398424 | 457870 |
| 4.731 | | 107212 | 80770 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.77 | | 990956 | 927837 |
| 4.815 | | 11657 | 14382 |
| 4.861 | | 146739 | 169500 |
| 4.891 | | 10071 | 6129 |
| 4.918 | | 235151 | 222258 |
| 4.971 | | 1429682 | 1700467 |
| 5.02 | | 247543 | 221289 |
| 5.065 | | 691327 | 765992 |
| 5.107 | | 18882 | 10958 |
| 5.143 | | 161193 | 189485 |
| 5.18 | | 1760366 | 1925596 |
| 5.243 | | 880196 | 806359 |
| 5.285 | | 607904 | 611442 |
| 5.407 | | 1209410 | 1609394 |
| 5.466 | | 570752 | 525724 |
| 5.505 | | 305428 | 284900 |
| 5.545 | | 66357 | 64052 |
| 5.591 | | 344345 | 325491 |
| 5.618 | | 14626 | 7960 |
| 5.647 | | 3013231 | 3131470 |
| 5.735 | | 6077 | 5560 |
| 5.768 | | 3198 | 1961 |
| 5.789 | | 4403 | 3049 |
| 5.816 | | 2123 | 1341 |
| 5.854 | | 1668114 | 1759241 |
| 5.89 | | 437833 | 884922 |
| 6.037 | | 33885 | 52672 |
| 6.102 | | 46733 | 34343 |
| 6.126 | | 317777 | 298027 |
| 6.193 | | 2582 | 2669 |
| 6.251 | | 2160 | 1499 |
| 6.284 | | 756713 | 795038 |
| 6.329 | | 59601 | 55754 |
| 6.396 | | 2073 | 2302 |
| 6.484 | | 169743 | 186791 |
| 6.63 | DCB | 69638 | 69380 |
| 6.657 | | 5633 | 4687 |
| 6.71 | | 4003 | 5707 |
| 6.903 | | 1680 | 1634 |
| 6.945 | | 2244 | 2576 |

LANCASTER LABORATORIES

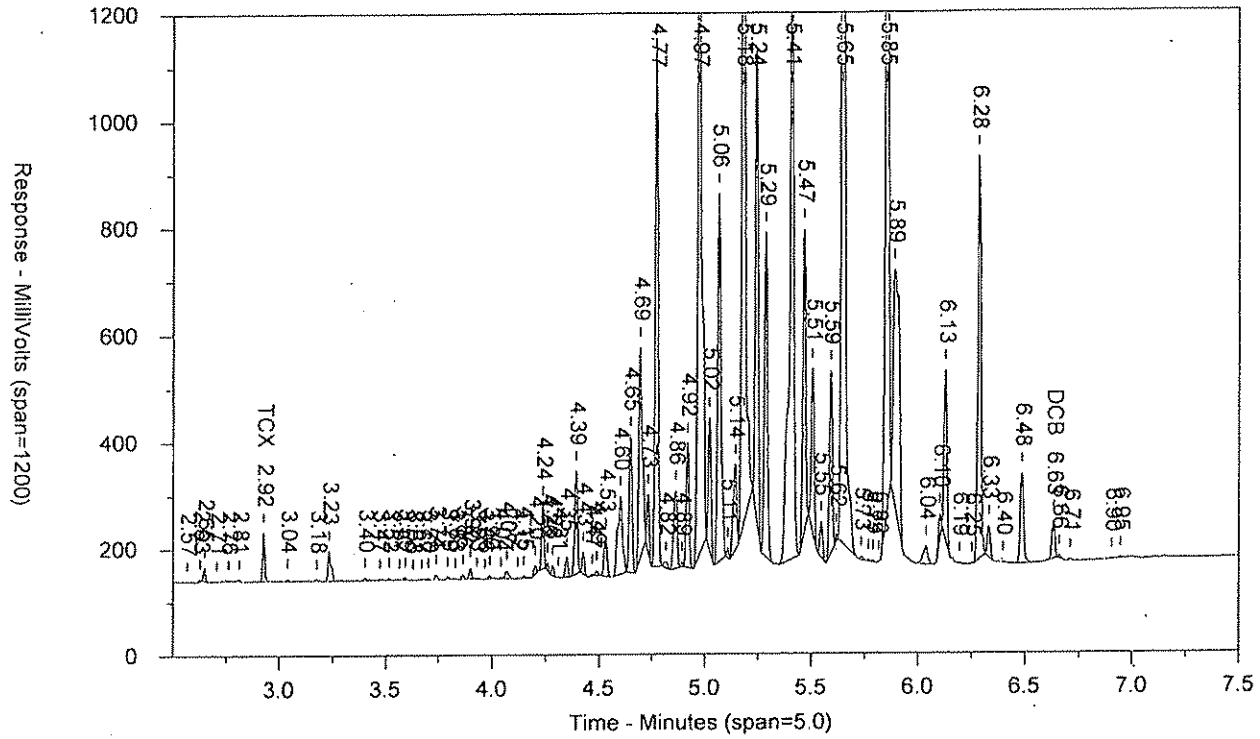
Sample Number: 8577892ACF DF50 ADATW19 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:12:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.098 | | 3855 | 4691 |
| 2.145 | | 5833 | 4608 |
| 2.218 | | 3730 | 4967 |
| 2.264 | | 1677 | 1465 |
| 2.296 | | 3124 | 3327 |
| 2.35 | | 41978 | 29266 |
| 2.477 | | 3009 | 4881 |
| 2.579 | | 1324 | 1103 |
| 2.599 | TCX | 140908 | 81852 |
| 2.703 | | 2991 | 5256 |
| 2.753 | | 1058 | 1205 |
| 2.77 | | 7171 | 3784 |
| 2.809 | | 748 | 385 |
| 2.895 | | 11027 | 5049 |
| 2.905 | | 75686 | 35606 |
| 2.994 | | 829 | 1275 |
| 3.043 | | 1499 | 1313 |
| 3.09 | | 3751 | 2379 |
| 3.163 | | 2159 | 1891 |
| 3.187 | | 1919 | 1140 |
| 3.215 | | 4638 | 5905 |
| 3.249 | | 11844 | 8721 |
| 3.298 | | 1387 | 922 |
| 3.339 | | 1491 | 987 |
| 3.368 | | 4154 | 4186 |
| 3.409 | | 9018 | 11487 |
| 3.479 | | 9610 | 6122 |
| 3.513 | | 15245 | 8173 |
| 3.537 | | 38922 | 24820 |
| 3.57 | | 6917 | 6946 |
| 3.641 | | 12462 | 9860 |
| 3.663 | | 4758 | 2540 |
| 3.684 | | 6939 | 4497 |
| 3.713 | | 25012 | 13855 |
| 3.729 | | 5028 | 2768 |
| 3.766 | | 6452 | 5909 |
| 3.815 | | 18890 | 18396 |
| 3.842 | | 6836 | 4765 |
| 3.859 | | 267196 | 170537 |
| 3.885 | | 23031 | 12734 |
| 3.905 | | 10708 | 5208 |
| 3.924 | | 94845 | 62736 |
| 3.959 | | 392367 | 258957 |
| 3.99 | | 86234 | 50813 |
| 4.007 | | 27551 | 13173 |
| 4.068 | | 13653 | 16648 |
| 4.101 | | 83541 | 95172 |
| 4.13 | | 27006 | 19740 |
| 4.157 | | 135529 | 88741 |
| 4.199 | | 194167 | 127876 |
| 4.217 | | 229008 | 113441 |
| 4.23 | | 647798 | 348744 |
| 4.255 | | 377647 | 367510 |
| 4.307 | | 2446317 | 1732943 |

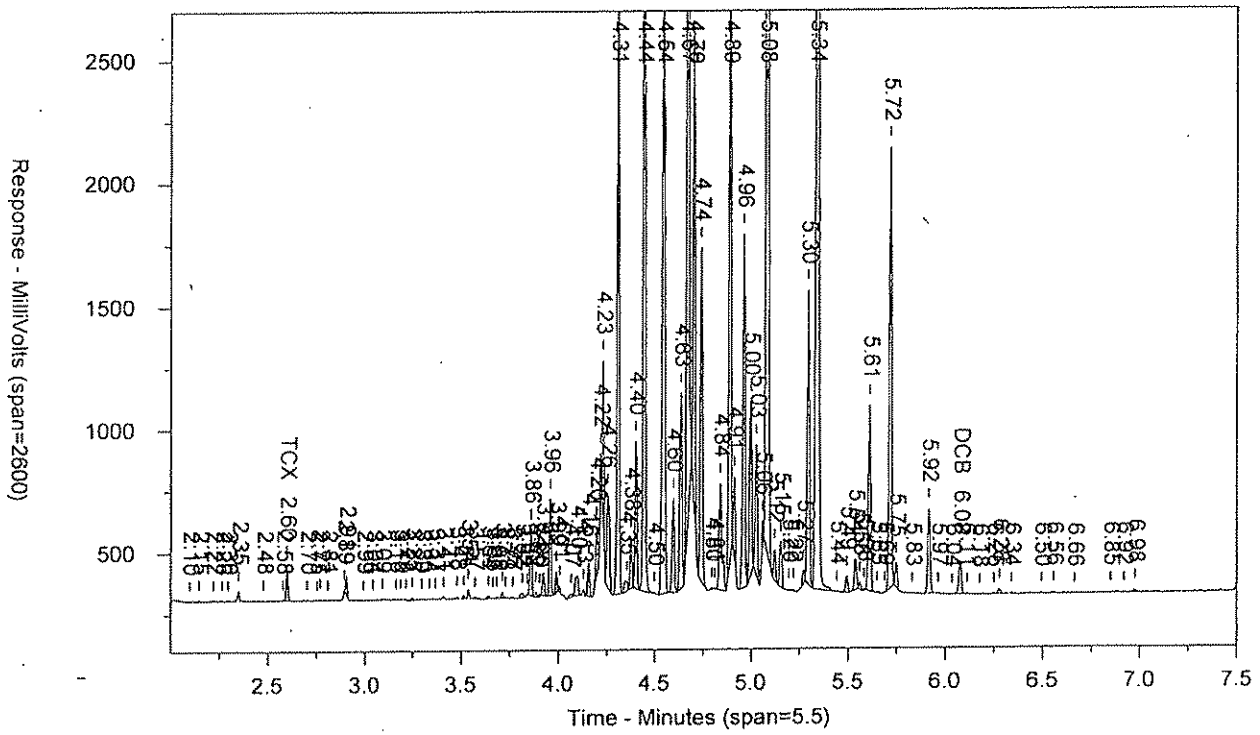
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.354 | | 40520 | 51107 |
| 4.376 | | 207362 | 128999 |
| 4.401 | | 598330 | 433496 |
| 4.443 | | 3546046 | 2547382 |
| 4.497 | | 7388 | 4262 |
| 4.544 | | 2468642 | 2255164 |
| 4.596 | | 381285 | 316469 |
| 4.635 | | 794615 | 661323 |
| 4.67 | | 3837879 | 3102323 |
| 4.702 | | 1940705 | 1335195 |
| 4.74 | | 1356697 | 1041203 |
| 4.796 | | 8536 | 4860 |
| 4.81 | | 4192 | 1686 |
| 4.838 | | 431011 | 425487 |
| 4.888 | | 2644878 | 1935382 |
| 4.912 | | 324433 | 207853 |
| 4.962 | | 1441812 | 1195693 |
| 4.997 | | 710502 | 544869 |
| 5.027 | | 529665 | 415404 |
| 5.059 | | 114675 | 68803 |
| 5.081 | | 7025794 | 5700857 |
| 5.122 | | 126561 | 91469 |
| 5.154 | | 182500 | 147653 |
| 5.196 | | 5935 | 4758 |
| 5.218 | | 9683 | 5864 |
| 5.271 | | 55251 | 32679 |
| 5.295 | | 1197763 | 950324 |
| 5.338 | | 4288824 | 4620293 |
| 5.443 | | 3394 | 4145 |
| 5.494 | | 66777 | 55099 |
| 5.539 | | 125418 | 99504 |
| 5.562 | | 30866 | 19273 |
| 5.585 | | 8700 | 4365 |
| 5.611 | | 755295 | 614669 |
| 5.653 | | 6197 | 5672 |
| 5.691 | | 3837 | 2353 |
| 5.718 | | 1795615 | 1453385 |
| 5.75 | | 96176 | 67517 |
| 5.831 | | 3841 | 3900 |
| 5.917 | | 343715 | 284456 |
| 5.965 | | 2252 | 1628 |
| 6.036 | | 1557 | 1128 |
| 6.076 | DCB | 136116 | 118996 |
| 6.111 | | 3136 | 2343 |
| 6.177 | | 1129 | 2271 |
| 6.25 | | 4334 | 3200 |
| 6.277 | | 20944 | 18611 |
| 6.342 | | 4643 | 4637 |
| 6.496 | | 3318 | 3812 |
| 6.556 | | 5985 | 5909 |
| 6.661 | | 768 | 971 |
| 6.848 | | 1334 | 1551 |
| 6.919 | | 1844 | 2398 |
| 6.976 | | 10797 | 10343 |

8577892ACF DF50 ADATW19 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0016.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0016.RAW



LANCASTER LABORATORIES

Sample Number: 8577892ACF DF50 ADATW19 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:12:45 PM Sample Weight: 10.28
Instrument ID: CP25-18274 Dilution Factor: 500
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: 4
Calibration Type: external
Quantitation: Height

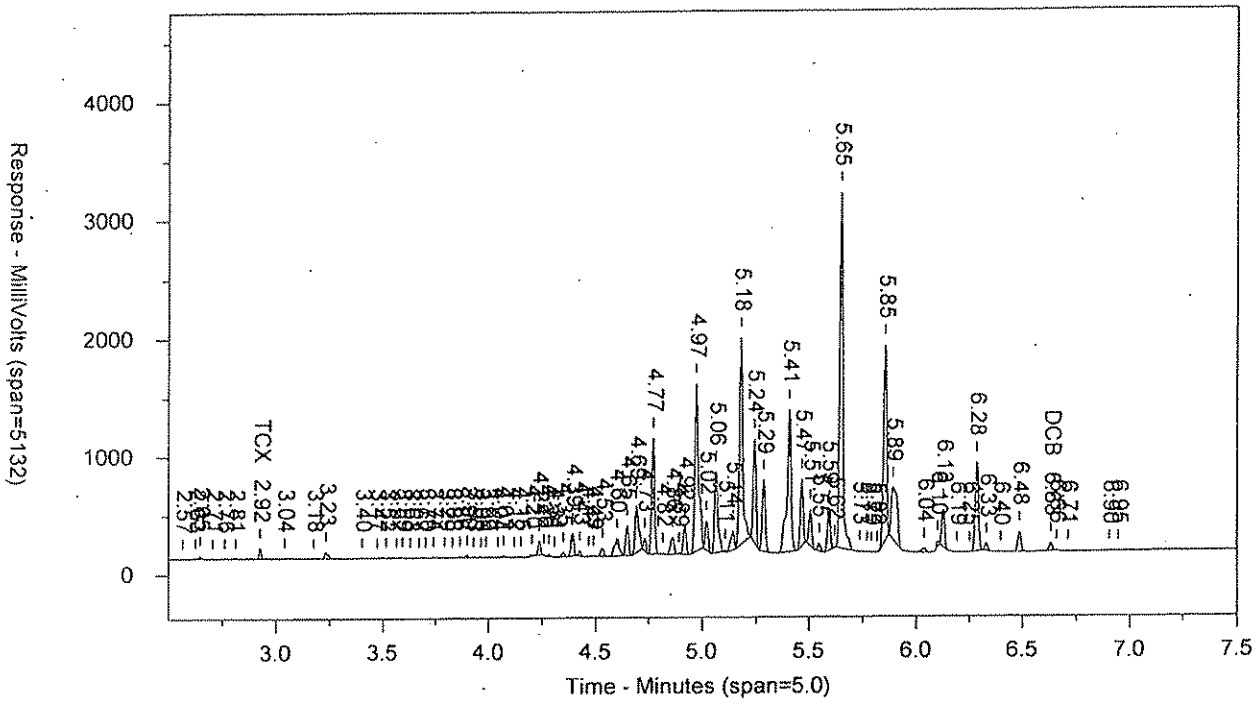
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 92135 | 33.122 | TCX | 2.599 | 140908 | 27.904 | TCX |
| 6.63 | 69638 | 50.672 | DCB | 6.076 | 136116 | 34.801 | DCB |

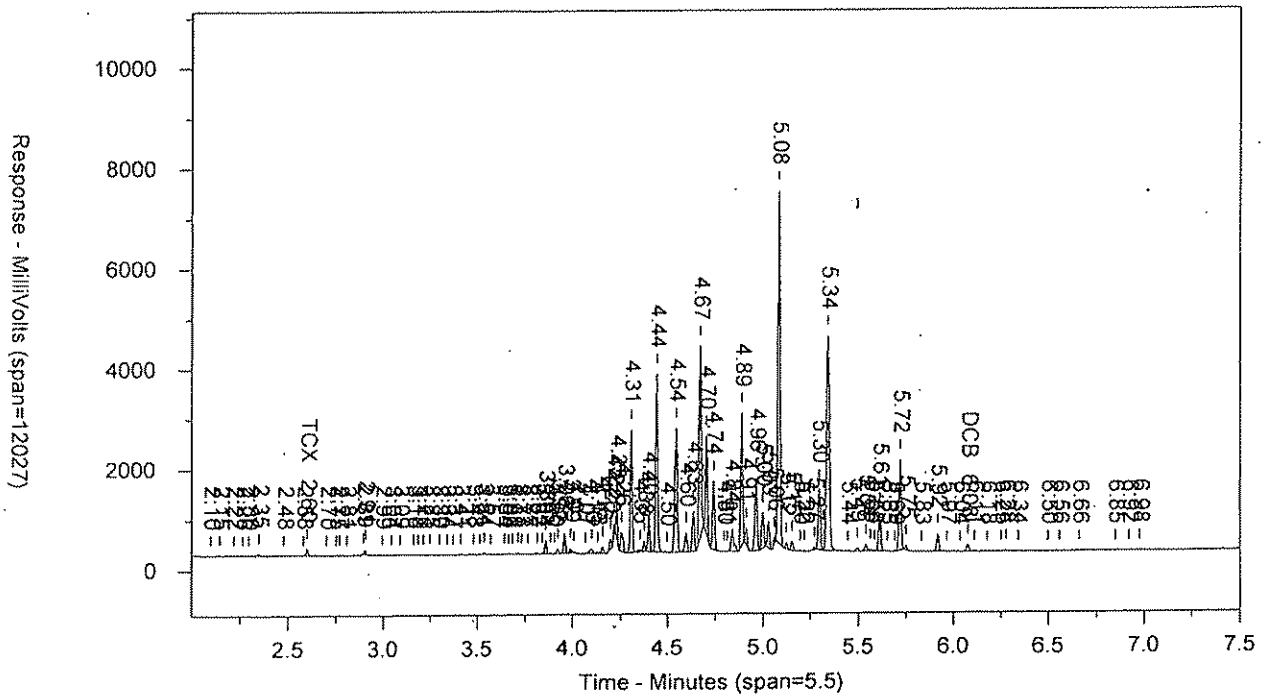
Files:
Area File: 25pcbs16207035.0016.RAW
Area File: 25pcbs16207035B.0016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 12:21:16 PM
File Reported On: 9/15/2016 at 12:21:25 PM

8577892ACF DF50 ADATW19 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0016.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0016.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577893** ACF DF50 ATW20 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:24:00 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0017.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 93% ( 46 - 148 ) Conc: 26.89598
%SSR(DCB) * 149% ( 49 - 139 ) Conc: 42.93878

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:24:00 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0017.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 76% ( 46 - 148 ) Conc: 22.07665
%SSR(DCB) 101% ( 49 - 139 ) Conc: 29.28601

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.07** | |
| 4.76 | 4.77 | 4.80 | 1179613 | 14625.156205 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1597702 | 18306.769539 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1000413 | 18831.469392 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1333479 | 20061.402495 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3535540 | 25482.916887 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1939575 | 24515.21652 | | | 6 |

Height summation: **10586322**
Concentration CF: **20303.82184** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.06** | |
| 4.29 | 4.31 | 4.33 | 2908158 | 14785.050951 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4114636 | 18480.7034 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2978906 | 16042.780041 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3086598 | 20856.566909 | | | 4 |
| 5.07 | 5.08 | 5.11 | 8267579 | 25203.430973 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5236920 | 23826.136564 | | | 6 |

Height summation: **26592797**
Concentration CF: **19865.77814** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2517.2755 | <488.6476 | | | 4 | |
| ☑ PCB-1221 | | | <2517.2755 | <755.1826 | | | 3 | |
| ☑ PCB-1232 | | | <2517.2755 | <607.1076 | | | 4 | |
| ☑ PCB-1242 | | | <2517.2755 | <607.1076 | | | 4 | |
| ☑ PCB-1248 | | | <2517.2755 | <488.6476 | | | 4 | |
| ☑ PCB-1254 | | | <2517.2755 | <651.5301 | | | 4 | |
| ☑ PCB-1260 | A | 20303.82184 | 2517.2755 | 577.4926 | | 2.18 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 73724 | 26.89598 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 109856 | 22.07665 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 58149 | 42.93878 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 112875 | 29.28601 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 26.89598 | | | | 19.68 | |
| ☑ Decachlorobiphenyl | A | 42.93878 | | | | 37.81 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by:
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577893** ACF DF50 ATW20 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274A
Result file : 25PCBS16207035.0017.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 93% (46-148) Conc.: 26.89598
%SSR(DCB) : *149% (49-139) Conc.: 42.93878

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 54.57 | |
| 3.17 | 3.18 | 3.21 | 2621.402 | 56.513101 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6003.781 | 131.669152 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3030.463 | 54.698208 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12437.26 | 198.019876 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6423.195 | 120.089911 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9519.642 | 230.723944 | | | 6 |
| Height Summation: | | | 40035.743 | | | | |
| Amount Avg CF: | | | 131.952365 | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| 3.17 | 3.18 | 3.21 | 2621.402 | 41.060518 | | | 3 |
| Height Summation: | | | 2621.402 | | | | |
| Amount Avg CF: | | | 41.060518 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 66.50 | |
| 3.17 | 3.18 | 3.21 | 2621.402 | 42.272212 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6003.781 | 236.976444 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3030.463 | 98.128423 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12437.26 | 361.842761 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6423.195 | 222.157932 | | | 5 |
| 3.99 | 3.99 | 4.02 | 9519.642 | 464.920019 | | | 6 |
| Height Summation: | | | 40035.743 | | | | |
| Amount Avg CF: | | | 237.716299 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 55.17 | |
| 3.17 | 3.18 | 3.21 | 2621.402 | 77.332243 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6003.781 | 188.003447 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3030.463 | 76.326725 | | | 3 |
| 3.73 | 3.74 | 3.77 | 12437.26 | 281.096545 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6423.195 | 168.188716 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9519.642 | 325.655552 | | | 6 |
| Height Summation: | | | 40035.743 | | | | |
| Amount Avg CF: | | | 186.100538 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 189.06 | |
| 3.79 | 3.79 | 3.83 | 6423.195 | 211.940541 | | | 1 |
| 3.85 | 3.86 | 3.89 | 14626.81 | 285.66418 | | | 2 |
| 3.98 | 3.99 | 4.02 | 9519.642 | 162.9575 | | | 3 |
| + 4.25 | 4.26 | 4.29 | 28534.07 | 568.099975 | | | 5 |
| 4.25 | 4.28 | 4.29 | 32867.96 | 654.385696 | | | 5 |
| 4.64 | 4.65 | 4.68 | 339324.9 | 9255.681234 | | | 6 |
| Height Summation: | | | 402762.507 | | | | |
| Amount Avg CF: | | | 2114.12583 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 126.00 | |
| 4.23 | 4.24 | 4.27 | 143957 | 2334.624374 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 28534.07 | 462.751622 | | | 1 |
| 4.58 | 4.60 | 4.62 | 172750.5 | 2920.065468 | | | 2 |
| 4.64 | 4.65 | 4.68 | 339324.9 | 3054.633569 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1179613 | 32727.1948 | | | 4 |
| 4.86 | 4.86 | 4.90 | 198470.8 | 2809.204059 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 12551.32 | 177.654441 | | | 5 |
| 5.06 | 5.06 | 5.10 | 827743.9 | 14167.678707 | | | 6 |
| Height Summation: | | | 2861860.1 | | | | |
| Amount Avg CF: | | | 9668.900163 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0017.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 76% (46-148) Conc.: 22.07665
%SSR(DCB) : 101% (49-139) Conc.: 29.28601

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 171.02 | |
| 2.87 | 2.91 | 2.91 | 142384 | 1745.328223 | | | 1 |
| 3.19 | 3.21 | 3.23 | 5242.506 | 51.917505 | | | 2 |
| 3.39 | 3.41 | 3.43 | 10509.71 | 97.358547 | | | 3 |
| 3.46 | 3.48 | 3.50 | 12641.26 | 113.944646 | | | 4 |
| 3.63 | 3.64 | 3.67 | 20587.23 | 218.352895 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6124.294 | 64.95567 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8988.872 | 110.969489 | | | 6 |
| Height Summation: | | | 200353.578 | | | | |
| Amount Avg CF: | | | 389.645217 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 133.27 | |
| 2.75 | 2.77 | 2.79 | 7682.514 | 168.755129 | | | 1 |
| 2.81 | 2.83 | 2.85 | 1623.005 | 55.947394 | | | 2 |
| 2.87 | 2.91 | 2.91 | 142384 | 1218.379456 | | | 3 |
| Height Summation: | | | 151689.519 | | | | |
| Amount Avg CF: | | | 481.027326 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 106.41 | |
| 2.87 | 2.91 | 2.91 | 142384 | 1244.079838 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5242.506 | 95.920865 | | | 2 |
| 3.39 | 3.41 | 3.43 | 10509.71 | 180.402144 | | | 3 |
| 3.47 | 3.48 | 3.51 | 12641.26 | 221.163762 | | | 4 |
| 3.63 | 3.64 | 3.67 | 20587.23 | 460.265669 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6124.294 | 136.919939 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8988.872 | 218.814978 | | | 6 |
| Height Summation: | | | 200353.578 | | | | |
| Amount Avg CF: | | | 403.441209 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 169.72 | |
| 2.87 | 2.91 | 2.91 | 142384 | 2368.779823 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5242.506 | 70.465337 | | | 2 |
| 3.39 | 3.41 | 3.43 | 10509.71 | 133.908779 | | | 3 |
| 3.47 | 3.48 | 3.51 | 12641.26 | 166.371573 | | | 4 |
| 3.63 | 3.64 | 3.67 | 20587.23 | 301.612773 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6124.294 | 89.723838 | | | 5 |
| 3.72 | 3.73 | 3.76 | 8988.872 | 151.150233 | | | 6 |
| Height Summation: | | | 200353.578 | | | | |
| Amount Avg CF: | | | 532.048086 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 136.19 | |
| + 3.50 | 3.51 | 3.54 | 25923.08 | 238.878231 | | | 1 |
| 3.50 | 3.54 | 3.54 | 53451.99 | 492.554002 | | | 1 |
| 3.63 | 3.64 | 3.67 | 20587.23 | 156.901571 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 6124.294 | 46.675116 | | | 2 |
| 3.72 | 3.73 | 3.76 | 8988.872 | 93.871734 | | | 3 |
| 3.85 | 3.86 | 3.89 | 362988.5 | 1994.486926 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 46938.55 | 257.909891 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 331685.5 | 4041.49396 | | | 5 |
| 4.21 | 4.23 | 4.25 | 785422 | 9570.144817 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 302714.8 | 6153.65868 | | | 6 |
| 4.37 | 4.40 | 4.40 | 703905.1 | 14309.15082 | | | 6 |
| Height Summation: | | | 1935343.692 | | | | |
| Amount Avg CF: | | | 4436.184978 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577893** ACF DF50 ATW20 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274A
Result file : 25PCBS16207035.0017.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 20.07 | |
| 4.76 | 4.77 | 4.80 | 1179613 | 14625.156205 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1597702 | 18306.769539 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1000413 | 18831.469392 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1333479 | 20061.402495 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3535540 | 25482.916887 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1939575 | 24515.21652 | | | 6 |
| Height Summation: | | | **10586322** | | | | |
| Amount Avg CF: | | | **20303.82164** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.08 | |
| E 5.23 | 5.24 | 5.27 | 1000413 | 10518.644886 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1333479 | 16085.280063 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3535540 | 18702.353856 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 1939575 | 17920.370883 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 848072.3 | 12615.390394 | | | 6 |
| Height Summation: | | | **8657079.3** | | | | |
| Amount Avg CF: | | | **15168.408016** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.23 | |
| 5.84 | 5.85 | 5.88 | 1939575 | 8818.117874 | | | 1 |
| 6.03 | 6.04 | 6.07 | 38971.77 | 218.710638 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 50743.65 | 1027.349841 | | | 4 |
| 6.10 | 6.13 | 6.14 | 348787.7 | 7061.513869 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 848072.3 | 11107.970394 | | | 5 |
| 6.48 | 6.48 | 6.52 | 194514.2 | 372.291766 | | | 6 |
| Height Summation: | | | **3369920.97** | | | | |
| Amount Avg CF: | | | **5515.720908** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0017.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 124.86 | |
| 4.15 | 4.16 | 4.19 | 198354.3 | 1337.340579 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 331685.5 | 1286.149486 | | | 2 |
| 4.21 | 4.23 | 4.25 | 785422 | 3045.566061 | | | 2 |
| 4.30 | 4.31 | 4.34 | 2908158 | 23933.899917 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 302714.8 | 1846.548186 | | | 4 |
| 4.37 | 4.40 | 4.41 | 703905.1 | 4293.792987 | | | 4 |
| 4.43 | 4.44 | 4.47 | 4114636 | 41853.674884 | | | 5 |
| 4.58 | 4.59 | 4.62 | 482083.4 | 4209.513292 | | | 6 |
| Height Summation: | | | **9192558.8** | | | | |
| Amount Avg CF: | | | **13112.297954** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.06 | |
| 4.29 | 4.31 | 4.33 | 2908158 | 14785.050951 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4114636 | 18480.7034 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2978906 | 16042.780041 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3086598 | 20856.566909 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 400893.4 | 2708.891803 | | | 4 |
| 5.07 | 5.08 | 5.11 | 8267579 | 25203.430973 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5236920 | 23826.136564 | | | 6 |
| Height Summation: | | | **26592797** | | | | |
| Amount Avg CF: | | | **19865.778139** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.44 | |
| 4.69 | 4.70 | 4.73 | 2341228 | 9293.969956 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 3086598 | 12008.242911 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 400893.4 | 1559.654133 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 8267579 | 17525.902416 | | | 3 |
| 5.28 | 5.29 | 5.32 | 1368043 | 7034.341642 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 5236920 | 16269.055743 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2055730 | 11886.539472 | | | 6 |
| Height Summation: | | | **22356098** | | | | |
| Amount Avg CF: | | | **12336.342023** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.99 | |
| 5.29 | 5.29 | 5.33 | 1368043 | 2364.502304 | | | 1 |
| 5.33 | 5.34 | 5.37 | 5236920 | 9350.650397 | | | 2 |
| 5.49 | 5.49 | 5.53 | 72886.23 | 148.510861 | | | 3 |
| 5.55 | 5.56 | 5.59 | 35856.97 | 304.248181 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 8989.512 | 76.276458 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2055730 | 10354.981018 | | | 5 |
| 5.91 | 5.92 | 5.95 | 375695.9 | 230.135578 | | | 6 |
| Height Summation: | | | **9145132.1** | | | | |
| Amount Avg CF: | | | **3792.17139** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2517.2755 | 488.6476 | | ** 98.81 | 4 | 40 | |
| Aroclor-1221 | | | 2517.2755 | 755.1826 | | ** 168.54 | 3 | 5 | |
| Aroclor-1232 | | | 2517.2755 | 607.1076 | | ** 51.70 | 4 | 10 | |
| Aroclor-1242 | | | 2517.2755 | 607.1076 | | ** 96.34 | 4 | 30 | |
| Aroclor-1248 | | | 2517.2755 | 488.6476 | | ** 70.90 | 4 | 40 | |
| Aroclor-1254 | | | 2517.2755 | 651.5301 | | 30.23 | 4 | 40 | |
| Aroclor-1260 | | | 2517.2755 | 577.4926 | | 2.18 | 4 | 40 | |
| Aroclor-1262 | | | 2517.2755 | 488.6476 | E | 20.59 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577893** ACF DF50 ATW20 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274A
Result file : 25PCBS16207035.0017.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 12:24:00
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0017.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 2517.2755 | 488.6476 | E | 37.03 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577893ACF DF50 ACATW20 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:24:00 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: 25pcbs16207035.0017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.037 | | 6963 | 8547 |
| 2.089 | | 8639 | 12030 |
| 2.197 | | 45611 | 35364 |
| 2.281 | | 1890 | 1230 |
| 2.308 | | 7189 | 5133 |
| 2.38 | | 5515 | 5836 |
| 2.489 | | 3104 | 5257 |
| 2.627 | | 4068 | 2194 |
| 2.648 | | 31528 | 20407 |
| 2.705 | | 1305 | 1866 |
| 2.761 | | 1865 | 2697 |
| 2.801 | | 1402 | 1794 |
| 2.886 | | 718 | 619 |
| 2.925 | TCX | 73724 | 54311 |
| 3.038 | | 4663 | 3070 |
| 3.182 | | 2621 | 3573 |
| 3.233 | | 81717 | 77168 |
| 3.401 | | 6004 | 9449 |
| 3.473 | | 2346 | 2808 |
| 3.516 | | 3030 | 2113 |
| 3.566 | | 2211 | 2288 |
| 3.593 | | 7247 | 4865 |
| 3.632 | | 1227 | 1388 |
| 3.672 | | 1388 | 723 |
| 3.701 | | 3102 | 3597 |
| 3.739 | | 12437 | 10016 |
| 3.793 | | 6423 | 5295 |
| 3.863 | | 14627 | 11055 |
| 3.898 | | 26667 | 22484 |
| 3.929 | | 3608 | 4060 |
| 3.967 | | 1133 | 765 |
| 3.989 | | 9520 | 6464 |
| 4.042 | | 5024 | 3479 |
| 4.069 | | 19819 | 22377 |
| 4.118 | | 3322 | 2839 |
| 4.149 | | 4803 | 5665 |
| 4.202 | | 16838 | 13705 |
| 4.238 | | 143957 | 111773 |
| 4.259 | | 28534 | 16563 |
| 4.283 | | 32868 | 23943 |
| 4.35 | | 50209 | 41921 |
| 4.393 | | 250542 | 238249 |
| 4.427 | | 61286 | 49462 |
| 4.466 | | 4761 | 3328 |
| 4.491 | | 11500 | 8742 |
| 4.532 | | 96015 | 100228 |
| 4.601 | | 172751 | 296390 |
| 4.648 | | 339325 | 304085 |
| 4.693 | | 455403 | 532249 |
| 4.732 | | 132087 | 100742 |
| 4.771 | | 1179613 | 1094649 |
| 4.82 | | 17913 | 20591 |
| 4.862 | | 198471 | 224302 |
| 4.891 | | 12551 | 7416 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.919 | | 265928 | 253729 |
| 4.971 | | 1597702 | 2002562 |
| 5.02 | | 283924 | 256086 |
| 5.064 | | 827744 | 923087 |
| 5.107 | | 22981 | 14359 |
| 5.144 | | 179238 | 212371 |
| 5.18 | | 2056522 | 2264135 |
| 5.242 | | 1000413 | 927736 |
| 5.285 | | 703003 | 703715 |
| 5.407 | | 1333479 | 1872355 |
| 5.465 | | 641805 | 609597 |
| 5.506 | | 367853 | 317497 |
| 5.546 | | 74553 | 72906 |
| 5.591 | | 389068 | 374300 |
| 5.619 | | 16932 | 9512 |
| 5.647 | | 3535540 | 3618688 |
| 5.734 | | 5541 | 5128 |
| 5.79 | | 4872 | 3568 |
| 5.854 | | 1939575 | 2013708 |
| 5.891 | | 514410 | 1000945 |
| 6.037 | | 38972 | 59736 |
| 6.102 | | 50744 | 38185 |
| 6.126 | | 348788 | 337555 |
| 6.19 | | 2464 | 2777 |
| 6.25 | | 2217 | 1558 |
| 6.284 | | 848072 | 898690 |
| 6.329 | | 66000 | 61881 |
| 6.397 | | 2837 | 3287 |
| 6.484 | | 194514 | 209057 |
| 6.631 | DCB | 58149 | 57588 |
| 6.658 | | 6036 | 5423 |
| 6.709 | | 4009 | 4423 |
| 6.801 | | 880 | 740 |
| 6.852 | | 541 | 655 |
| 6.9 | | 2113 | 2061 |
| 6.944 | | 2392 | 2491 |

LANCASTER LABORATORIES

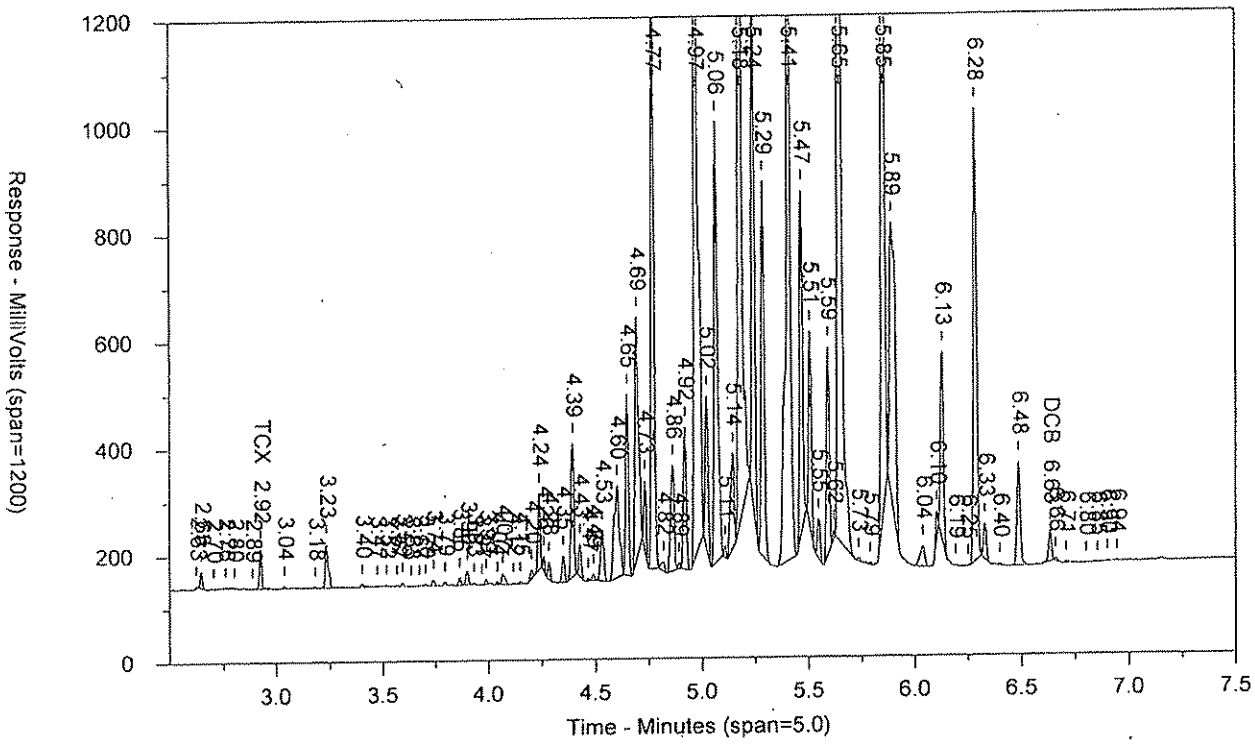
Sample Number: 8577893ACF DF50 ACATW20. T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:24:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.097 | | 4366 | 4216 |
| 2.145 | | 5474 | 4317 |
| 2.219 | | 3728 | 3706 |
| 2.296 | | 3591 | 3751 |
| 2.349 | | 53054 | 42543 |
| 2.477 | | 2509 | 2206 |
| 2.577 | | 1506 | 1286 |
| 2.599 | TCX | 109856 | 65622 |
| 2.701 | | 2632 | 4608 |
| 2.77 | | 7683 | 6455 |
| 2.828 | | 1623 | 1487 |
| 2.905 | | 142384 | 109820 |
| 3.02 | | 1018 | 728 |
| 3.042 | | 2251 | 2200 |
| 3.089 | | 4508 | 2426 |
| 3.162 | | 3042 | 2395 |
| 3.187 | | 2325 | 1555 |
| 3.212 | | 5243 | 6355 |
| 3.248 | | 13512 | 10086 |
| 3.31 | | 2470 | 3652 |
| 3.342 | | 1328 | 983 |
| 3.368 | | 4516 | 4913 |
| 3.408 | | 10510 | 10462 |
| 3.478 | | 12641 | 10065 |
| 3.513 | | 25923 | 14521 |
| 3.536 | | 53452 | 32642 |
| 3.569 | | 7978 | 6902 |
| 3.639 | | 20587 | 14020 |
| 3.662 | | 6124 | 3238 |
| 3.683 | | 9053 | 5689 |
| 3.712 | | 32557 | 18150 |
| 3.729 | | 8989 | 4741 |
| 3.764 | | 9627 | 8113 |
| 3.814 | | 24201 | 23759 |
| 3.838 | | 20781 | 13156 |
| 3.859 | | 362989 | 233826 |
| 3.884 | | 46939 | 26119 |
| 3.904 | | 16585 | 8271 |
| 3.923 | | 117109 | 73430 |
| 3.958 | | 535859 | 342683 |
| 3.99 | | 137450 | 82757 |
| 4.006 | | 37179 | 16802 |
| 4.067 | | 18253 | 18915 |
| 4.1 | | 123796 | 132949 |
| 4.13 | | 33803 | 24756 |
| 4.157 | | 198354 | 136850 |
| 4.198 | | 229205 | 167920 |
| 4.217 | | 331686 | 166437 |
| 4.23 | | 785422 | 423975 |
| 4.255 | | 453322 | 436716 |
| 4.307 | | 2908158 | 2091228 |
| 4.346 | | 61485 | 65069 |
| 4.375 | | 302715 | 195945 |
| 4.4 | | 703905 | 506541 |

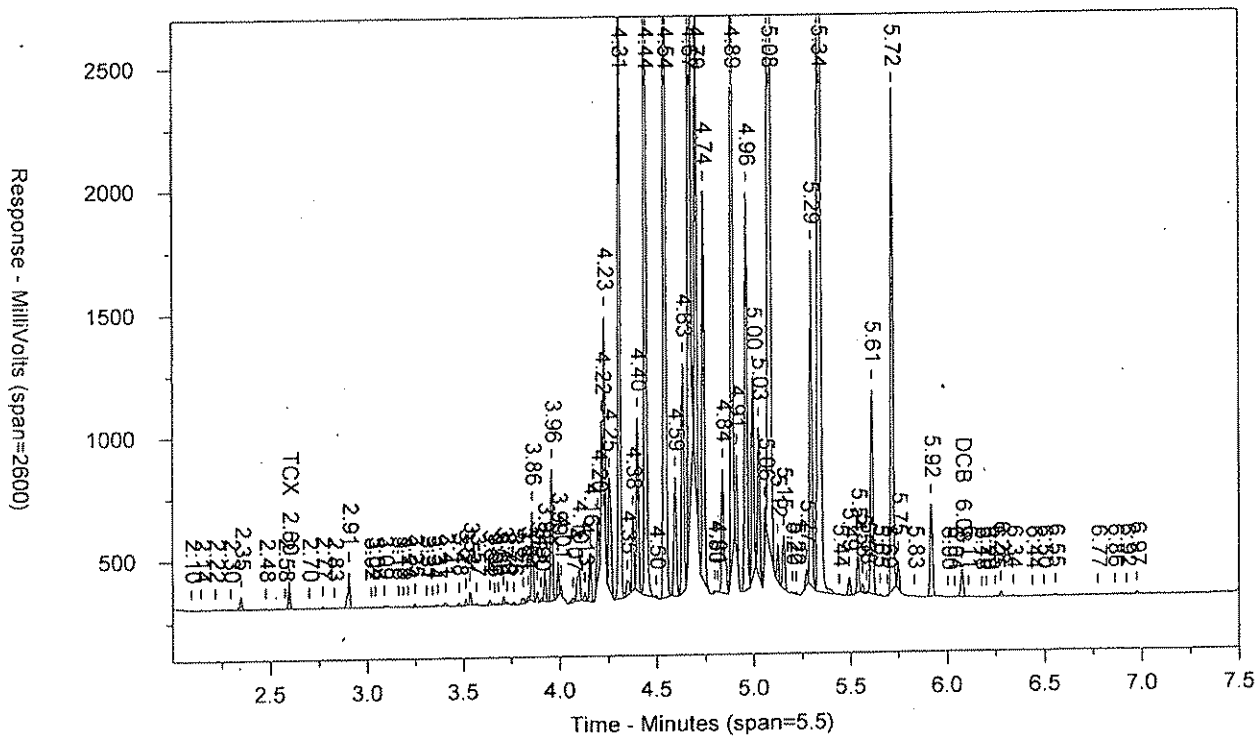
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.442 | | 4114636 | 3067730 |
| 4.496 | | 9804 | 6842 |
| 4.544 | | 2978907 | 2715104 |
| 4.594 | | 482083 | 420474 |
| 4.634 | | 932463 | 779555 |
| 4.669 | | 4532421 | 3697789 |
| 4.702 | | 2341228 | 1558798 |
| 4.74 | | 1587736 | 1227667 |
| 4.797 | | 10255 | 5900 |
| 4.811 | | 4893 | 2102 |
| 4.838 | | 505888 | 499307 |
| 4.888 | | 3086598 | 2276702 |
| 4.912 | | 400893 | 248935 |
| 4.962 | | 1621572 | 1391206 |
| 4.996 | | 817092 | 635666 |
| 5.026 | | 609489 | 485990 |
| 5.058 | | 165382 | 90784 |
| 5.08 | | 8267579 | 6652358 |
| 5.122 | | 153194 | 105851 |
| 5.153 | | 214385 | 170194 |
| 5.198 | | 7953 | 6207 |
| 5.217 | | 10260 | 6541 |
| 5.271 | | 65523 | 38741 |
| 5.295 | | 1368043 | 1094909 |
| 5.338 | | 5236920 | 5386513 |
| 5.442 | | 3338 | 3722 |
| 5.493 | | 72886 | 61678 |
| 5.539 | | 144476 | 112013 |
| 5.562 | | 35857 | 22810 |
| 5.584 | | 8990 | 4544 |
| 5.611 | | 830260 | 704905 |
| 5.654 | | 7096 | 6356 |
| 5.692 | | 4020 | 2351 |
| 5.718 | | 2055731 | 1661163 |
| 5.749 | | 109620 | 75898 |
| 5.831 | | 4343 | 3219 |
| 5.917 | | 375696 | 321572 |
| 6.003 | | 2107 | 1912 |
| 6.037 | | 1628 | 1321 |
| 6.076 | DCB | 112875 | 99148 |
| 6.111 | | 3954 | 3284 |
| 6.181 | | 1718 | 1649 |
| 6.205 | | 2162 | 1756 |
| 6.249 | | 5024 | 3834 |
| 6.276 | | 21610 | 19939 |
| 6.34 | | 4705 | 5066 |
| 6.439 | | 1369 | 1026 |
| 6.496 | | 2591 | 2122 |
| 6.554 | | 6905 | 7314 |
| 6.773 | | 693 | 605 |
| 6.861 | | 1104 | 1184 |
| 6.921 | | 2042 | 1799 |
| 6.974 | | 9360 | 9390 |

8577893ACF DF50 ACATW20 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0017.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0017.RAW



LANCASTER LABORATORIES

Sample Number: 8577893ACF DF50 ACATW20 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:24:00 PM
Sample Weight: 10.13
Dilution Factor: 500
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

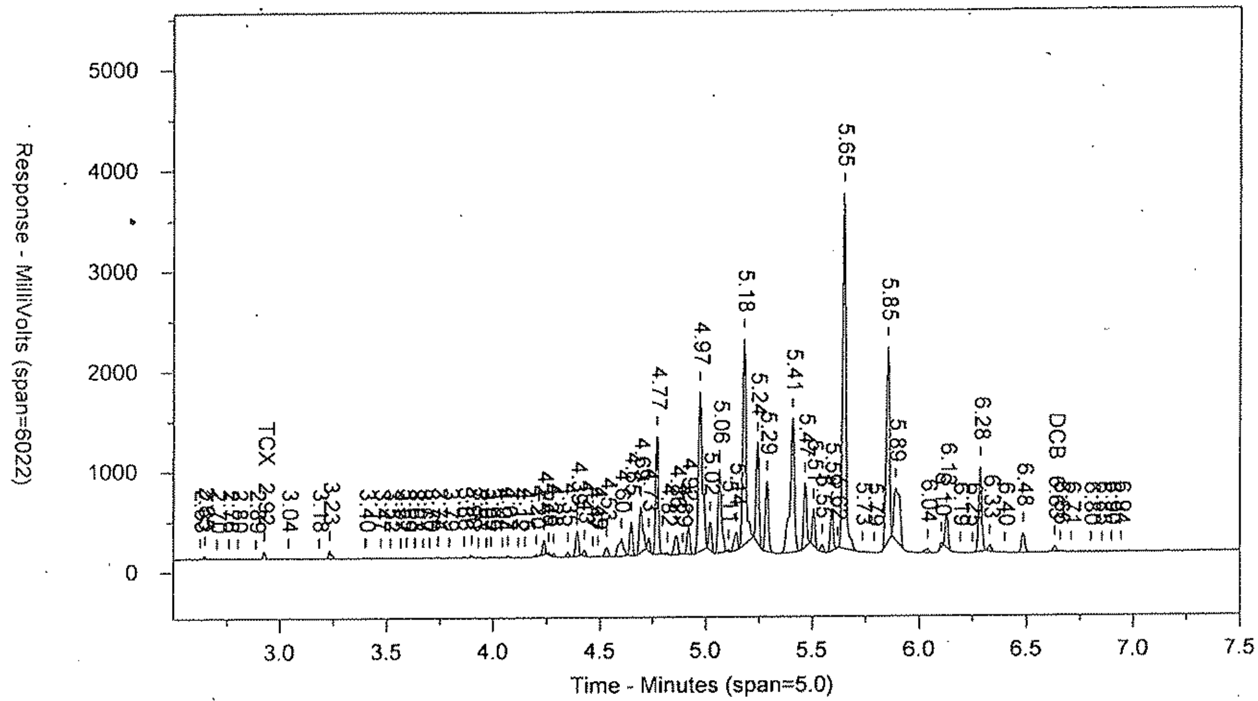
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 73724 | 26.896 | TCX | 2.599 | 109856 | 22.077 | TCX |
| 6.631 | 58149 | 42.939 | DCB | 6.076 | 112875 | 29.286 | DCB |

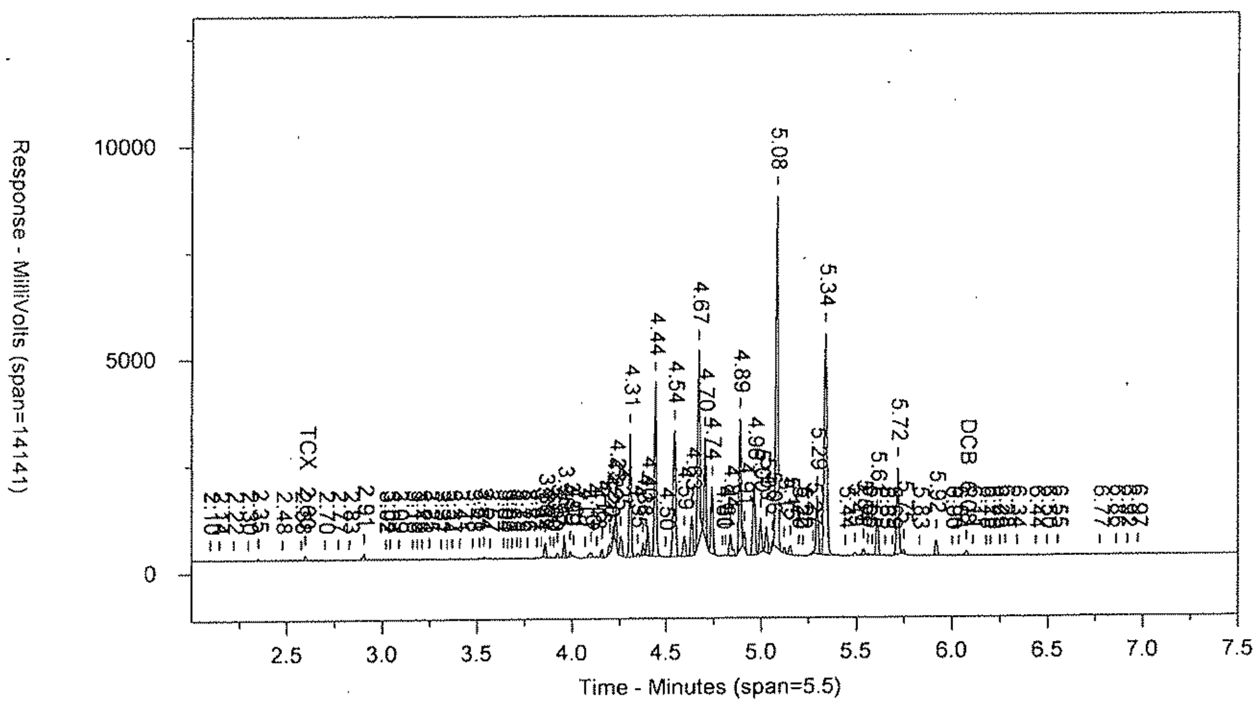
Files:
Area File: 25pcbs16207035.0017.RAW
Area File: 25pcbs16207035B.0017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 12:32:30 PM
File Reported On: 9/15/2016 at 12:32:39 PM

8577893ACF DF50 ACATW20 T .162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0017.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0017.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577894** ACF DF5 ATW21 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.2 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 12:35:06 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0018.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 112% ( 46 - 148 ) Conc: 32.12193
%SSR(DCB) 137% ( 49 - 139 ) Conc: 39.36691

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 12:35:06 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0018.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 106% ( 46 - 148 ) Conc: 30.44013
%SSR(DCB) 101% ( 49 - 139 ) Conc: 28.95267

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.50** | |
| 4.76 | 4.77 | 4.80 | 952496.3 | 1172.825862 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1372457 | 1561.794739 | | | 2 |
| 5.23 | 5.24 | 5.27 | 833474.6 | 1558.140173 | | | 3 |
| 5.40 | 5.40 | 5.44 | 1078745 | 1611.770416 | | | 4 |
| 5.64 | 5.65 | 5.68 | 2920934 | 2090.857333 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1623986 | 2038.546913 | | | 6 |

Height summation: **8782092.9**
Concentration CF: **1672.322573** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **22.43** | |
| 4.29 | 4.31 | 4.33 | 2040792 | 1030.416594 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3118723 | 1391.147412 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2103142 | 1124.865766 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2210089 | 1483.138775 | | | 4 |
| 5.07 | 5.08 | 5.11 | 6151458 | 1862.381501 | | | 5 |
| 5.33 | 5.34 | 5.37 | 3756988 | 1697.566392 | | | 6 |

Height summation: **19381192**
Concentration CF: **1431.586073** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <250 | <48.5294 | | | 4 | |
| ☑ PCB-1221 | | | <250 | <75 | | | 3 | |
| ☑ PCB-1232 | | | <250 | <60.2941 | | | 4 | |
| ☑ PCB-1242 | | | <250 | <60.2941 | | | 4 | |
| ☑ PCB-1248 | | | <250 | <48.5294 | | | 4 | |
| ☑ PCB-1254 | | | <250 | <64.7059 | | | 4 | |
| ☑ PCB-1260 | A | 1672.322573 | 250 | 57.3529 | | 15.51 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 886571 | 32.12193 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1525200 | 30.44013 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 536805 | 39.36691 | Decachlorobiphenyl | 6.05 | 6.07 | 6.11 | 1123610 | 28.95267 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 32.12193 | | | | 5.38 | |
| ☑ Decachlorobiphenyl | A | 39.36691 | | | | 30.49 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577894** ACF DF5 ATW21 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.2 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274A
Result file : 25PCBS16207035.0018.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 112% (46-148) Conc.: 32.12193
%SSR(DCB) : 137% (49-139) Conc.: 39.36691

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 35.81 | |
| 3.17 | 3.18 | 3.21 | 2646.8 | 5.666905 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4252.621 | 9.262434 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2465.901 | 4.420272 | | | 3 |
| 3.73 | 3.74 | 3.77 | 7860.025 | 12.428459 | | | 4 |
| 3.79 | 3.79 | 3.83 | 4968.022 | 9.224614 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 1911.569 | 3.549398 | | | 5 |
| 3.98 | 3.99 | 4.02 | 3017.402 | 7.262974 | | | 6 |
| Height Summation: | | | 25210.771 | | | | |
| Amount Avg CF: | | | 8.044276 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 61.02 | |
| 3.07 | 3.09 | 3.11 | 785.767 | 3.281017 | | | 1 |
| 3.13 | 3.13 | 3.17 | 1948.91 | 9.668242 | | | 2 |
| 3.17 | 3.18 | 3.21 | 2646.8 | 4.117382 | | | 3 |
| Height Summation: | | | 5381.477 | | | | |
| Amount Avg CF: | | | 5.688881 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 58.28 | |
| 3.17 | 3.18 | 3.21 | 2646.8 | 4.238886 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4252.621 | 16.67041 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2465.901 | 7.929955 | | | 3 |
| 3.73 | 3.74 | 3.77 | 7860.025 | 22.710588 | | | 4 |
| 3.79 | 3.82 | 3.83 | 1911.569 | 6.566137 | | | 5 |
| 3.99 | 3.99 | 4.02 | 3017.402 | 14.635248 | | | 6 |
| Height Summation: | | | 22154.318 | | | | |
| Amount Avg CF: | | | 12.125204 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 47.72 | |
| 3.17 | 3.18 | 3.21 | 2646.8 | 7.754564 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4252.621 | 13.225342 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2465.901 | 6.168116 | | | 3 |
| 3.73 | 3.74 | 3.77 | 7860.025 | 17.642657 | | | 4 |
| 3.79 | 3.82 | 3.83 | 1911.569 | 4.971014 | | | 5 |
| 3.98 | 3.99 | 4.02 | 3017.402 | 10.251332 | | | 6 |
| Height Summation: | | | 22154.318 | | | | |
| Amount Avg CF: | | | 10.002171 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 200.82 | |
| 3.79 | 3.79 | 3.83 | 4968.022 | 16.280049 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 1911.569 | 6.264151 | | | 1 |
| 3.85 | 3.86 | 3.89 | 6003.087 | 11.643675 | | | 2 |
| 3.98 | 3.99 | 4.02 | 3017.402 | 5.12975 | | | 3 |
| 4.25 | 4.28 | 4.29 | 9873.7 | 19.523166 | | | 5 |
| 4.64 | 4.65 | 4.68 | 218168.9 | 591.009926 | | | 6 |
| Height Summation: | | | 242031.111 | | | | |
| Amount Avg CF: | | | 128.717313 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 132.55 | |
| 4.23 | 4.24 | 4.27 | 112194.8 | 180.703361 | | | 1 |
| 4.58 | 4.60 | 4.62 | 138174.1 | 231.957913 | | | 2 |
| 4.64 | 4.65 | 4.68 | 218168.9 | 195.049798 | | | 3 |
| 4.77 | 4.77 | 4.81 | 952496.3 | 2624.471146 | | | 4 |
| 4.86 | 4.86 | 4.90 | 111566.7 | 156.8305 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 9244.445 | 12.995015 | | | 5 |
| 5.06 | 5.06 | 5.10 | 635649.5 | 1080.512247 | | | 6 |
| Height Summation: | | | 2168250.3 | | | | |
| Amount Avg CF: | | | 744.920828 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0018.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 106% (46-148) Conc.: 30.44013
%SSR(DCB) : 101% (49-139) Conc.: 28.95267

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 188.68 | |
| 2.87 | 2.91 | 2.91 | 100852 | 122.774934 | | | 1 |
| 3.19 | 3.21 | 3.23 | 4219.232 | 4.149708 | | | 2 |
| 3.39 | 3.41 | 3.43 | 5626.488 | 5.176426 | | | 3 |
| 3.46 | 3.48 | 3.50 | 7849.675 | 7.026912 | | | 4 |
| 3.63 | 3.64 | 3.67 | 9141.964 | 9.629635 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4750.828 | 5.004257 | | | 5 |
| 3.72 | 3.74 | 3.76 | 2630.184 | 3.224733 | | | 6 |
| Height Summation: | | | 130319.543 | | | | |
| Amount Avg CF: | | | 25.330391 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 107.33 | |
| + 2.75 | 2.76 | 2.79 | 1545.644 | 3.371882 | | | 1 |
| 2.75 | 2.77 | 2.79 | 5383.612 | 11.744557 | | | 1 |
| 2.87 | 2.91 | 2.91 | 100852 | 85.706778 | | | 3 |
| Height Summation: | | | 106235.612 | | | | |
| Amount Avg CF: | | | 48.725667 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 130.01 | |
| 2.87 | 2.91 | 2.91 | 100852 | 87.514668 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4219.232 | 7.666848 | | | 2 |
| 3.39 | 3.41 | 3.43 | 5626.488 | 9.591745 | | | 3 |
| 3.47 | 3.48 | 3.51 | 7849.675 | 13.639064 | | | 4 |
| 3.63 | 3.64 | 3.67 | 9141.964 | 20.29829 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4750.828 | 10.548465 | | | 5 |
| 3.72 | 3.74 | 3.76 | 2630.184 | 6.358684 | | | 6 |
| Height Summation: | | | 130319.543 | | | | |
| Amount Avg CF: | | | 24.178216 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 187.48 | |
| 2.87 | 2.91 | 2.91 | 100852 | 166.631573 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4219.232 | 5.632216 | | | 2 |
| 3.39 | 3.41 | 3.43 | 5626.488 | 7.119754 | | | 3 |
| 3.47 | 3.48 | 3.51 | 7849.675 | 10.260055 | | | 4 |
| 3.63 | 3.64 | 3.67 | 9141.964 | 13.301499 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 4750.828 | 6.912424 | | | 5 |
| 3.72 | 3.74 | 3.76 | 2630.184 | 4.392371 | | | 6 |
| Height Summation: | | | 130319.543 | | | | |
| Amount Avg CF: | | | 34.556245 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 138.60 | |
| + 3.50 | 3.51 | 3.54 | 11145.38 | 10.199858 | | | 1 |
| 3.50 | 3.54 | 3.54 | 32440.21 | 29.688134 | | | 1 |
| 3.63 | 3.64 | 3.67 | 9141.964 | 6.919555 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 4750.828 | 3.595903 | | | 2 |
| 3.72 | 3.74 | 3.76 | 2630.184 | 2.727879 | | | 3 |
| 3.85 | 3.86 | 3.89 | 226687.8 | 123.701723 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 9224.368 | 5.033664 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 164338.1 | 198.867119 | | | 5 |
| 4.21 | 4.23 | 4.25 | 645460.1 | 781.077491 | | | 5 |
| + 4.37 | 4.37 | 4.40 | 117873.4 | 237.971437 | | | 6 |
| 4.37 | 4.40 | 4.40 | 513146.4 | 1035.977467 | | | 6 |
| Height Summation: | | | 1429506.658 | | | | |
| Amount Avg CF: | | | 330.015375 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577894** ACF DF5 ATW21 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.2 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274A
Result file : 25PCBS16207035.0018.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 20.50 | |
| 4.76 | 4.77 | 4.80 | 952496.3 | 1172.825862 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1372457 | 1561.794739 | | | 2 |
| 5.23 | 5.24 | 5.27 | 833474.6 | 1558.140173 | | | 3 |
| 5.40 | 5.40 | 5.44 | 1078745 | 1611.770416 | | | 4 |
| 5.64 | 5.65 | 5.68 | 2920934 | 2090.857333 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1623986 | 2038.546913 | | | 6 |
| Height Summation: | | | 8782092.9 | | | | |
| Amount Avg CF: | | | 1672.322573 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 21.79 | |
| 5.23 | 5.24 | 5.27 | 833474.6 | 870.326305 | | | 1 |
| E 5.40 | 5.40 | 5.44 | 1078745 | 1292.321339 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 2920934 | 1534.516393 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 1623986 | 1490.156805 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 755387.2 | 1115.955074 | | | 6 |
| Height Summation: | | | 7212526.8 | | | | |
| Amount Avg CF: | | | 1260.655183 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.68 | |
| 5.84 | 5.85 | 5.88 | 1623986 | 733.264866 | | | 1 |
| 6.03 | 6.04 | 6.07 | 36689.65 | 20.449026 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 44133.96 | 88.739878 | | | 4 |
| 6.10 | 6.12 | 6.14 | 306751.8 | 616.783928 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 755387.2 | 982.608983 | | | 5 |
| 6.48 | 6.48 | 6.52 | 164424.8 | 31.254224 | | | 6 |
| Height Summation: | | | 2887239.45 | | | | |
| Amount Avg CF: | | | 476.872205 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0018.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 129.80 | |
| 4.15 | 4.16 | 4.19 | 87406.34 | 58.526508 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 164338.1 | 63.286707 | | | 2 |
| 4.21 | 4.23 | 4.25 | 645460.1 | 248.567095 | | | 2 |
| 4.30 | 4.31 | 4.34 | 2040792 | 1668.028587 | | | 3 |
| + 4.37 | 4.37 | 4.41 | 117873.4 | 71.408856 | | | 4 |
| 4.37 | 4.40 | 4.41 | 513146.4 | 310.869096 | | | 4 |
| 4.43 | 4.44 | 4.47 | 3118723 | 3150.563604 | | | 5 |
| 4.58 | 4.59 | 4.62 | 281592.3 | 244.196681 | | | 6 |
| Height Summation: | | | 6687120.14 | | | | |
| Amount Avg CF: | | | 946.791928 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 22.43 | |
| 4.29 | 4.31 | 4.33 | 2040792 | 1030.416594 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3118723 | 1391.147412 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2103142 | 1124.865766 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2210089 | 1483.138775 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 262921.3 | 176.440304 | | | 4 |
| 5.07 | 5.08 | 5.11 | 6151458 | 1862.381501 | | | 5 |
| 5.33 | 5.34 | 5.37 | 3756988 | 1697.566392 | | | 6 |
| Height Summation: | | | 19381192 | | | | |
| Amount Avg CF: | | | 1431.586073 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.66 | |
| 4.69 | 4.70 | 4.73 | 1627092 | 641.473822 | | | 1 |
| 4.88 | 4.89 | 4.92 | 2210089 | 853.922448 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 262921.3 | 101.586135 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 6151458 | 1295.058458 | | | 3 |
| 5.28 | 5.29 | 5.32 | 997461.9 | 509.365233 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 3756988 | 1159.138922 | | | 5 |
| 5.71 | 5.72 | 5.75 | 1499136 | 860.874156 | | | 6 |
| Height Summation: | | | 16242224.9 | | | | |
| Amount Avg CF: | | | 886.63884 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 123.99 | |
| 5.29 | 5.29 | 5.33 | 997461.9 | 171.216487 | | | 1 |
| 5.33 | 5.34 | 5.37 | 3756988 | 666.215851 | | | 2 |
| 5.49 | 5.49 | 5.53 | 72709.8 | 14.713465 | | | 3 |
| 5.55 | 5.56 | 5.59 | 36698.16 | 30.924876 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 9455.67 | 7.968122 | | | 4 |
| 5.71 | 5.72 | 5.75 | 1499136 | 749.952125 | | | 5 |
| + 5.71 | 5.75 | 5.75 | 86279.08 | 43.161647 | | | 5 |
| 5.91 | 5.92 | 5.95 | 306294.4 | 18.633552 | | | 6 |
| Height Summation: | | | 6669288.26 | | | | |
| Amount Avg CF: | | | 275.276059 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 250 | 48.5294 | | ** 103.59 | 4 | 40 | |
| Aroclor-1221 | | | 250 | 75 | | ** 158.18 | 3 | 5 | |
| Aroclor-1232 | | | 250 | 60.2941 | | ** 66.40 | 4 | 10 | |
| Aroclor-1242 | | | 250 | 60.2941 | | ** 110.21 | 4 | 30 | |
| Aroclor-1248 | | | 250 | 48.5294 | | ** 87.76 | 4 | 40 | |
| Aroclor-1254 | | | 250 | 64.7059 | | 23.87 | 4 | 40 | |
| Aroclor-1260 | | | 250 | 57.3529 | | 15.51 | 4 | 40 | |
| Aroclor-1262 | | | 250 | 48.5294 | E | 34.84 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577894** ACF DF5 ATW21 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.2 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274A
Result file : 25PCBS16207035.0018.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 12:35:06
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0018.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 250 | 48.5294 | E | ** 53.61 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577894ACF DF5 ACATW21 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:35:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.002 | | 587 | 209 |
| 2.036 | | 7491 | 7190 |
| 2.086 | | 9865 | 13769 |
| 2.128 | | 31574 | 25856 |
| 2.196 | | 30807 | 21003 |
| 2.307 | | 18305 | 14745 |
| 2.385 | | 11990 | 17780 |
| 2.454 | | 1635 | 2346 |
| 2.489 | | 2696 | 4671 |
| 2.565 | | 1832 | 1705 |
| 2.626 | | 1792 | 925 |
| 2.647 | | 26277 | 17606 |
| 2.703 | | 1747 | 1671 |
| 2.732 | | 3151 | 2155 |
| 2.757 | | 1655 | 1974 |
| 2.81 | | 1997 | 1858 |
| 2.872 | | 1208 | 1386 |
| 2.924 | TCX | 886571 | 602447 |
| 3.038 | | 3286 | 2288 |
| 3.086 | | 786 | 1324 |
| 3.125 | | 1949 | 1385 |
| 3.176 | | 2647 | 4107 |
| 3.232 | | 58826 | 59002 |
| 3.319 | | 1064 | 953 |
| 3.399 | | 4253 | 5759 |
| 3.471 | | 2105 | 2945 |
| 3.515 | | 2466 | 1808 |
| 3.562 | | 2359 | 2910 |
| 3.591 | | 5509 | 3428 |
| 3.67 | | 1496 | 1336 |
| 3.702 | | 1954 | 2567 |
| 3.738 | | 7860 | 7157 |
| 3.791 | | 4968 | 3872 |
| 3.822 | | 1912 | 1686 |
| 3.86 | | 6003 | 4683 |
| 3.896 | | 18856 | 15443 |
| 3.925 | | 3263 | 3634 |
| 3.965 | | 1697 | 986 |
| 3.986 | | 3017 | 1835 |
| 4.041 | | 2688 | 1893 |
| 4.066 | | 13281 | 13352 |
| 4.112 | | 1995 | 1950 |
| 4.146 | | 4662 | 4775 |
| 4.201 | | 15717 | 13524 |
| 4.236 | | 112195 | 98373 |
| 4.28 | | 9874 | 7203 |
| 4.308 | | 2208 | 1543 |
| 4.347 | | 34565 | 29064 |
| 4.391 | | 177523 | 162699 |
| 4.425 | | 25695 | 20429 |
| 4.464 | | 2979 | 2125 |
| 4.488 | | 7046 | 5377 |
| 4.528 | | 57033 | 59247 |
| 4.599 | | 138174 | 198523 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.646 | | 218169 | 195124 |
| 4.691 | | 372429 | 440085 |
| 4.728 | | 95235 | 69754 |
| 4.768 | | 952496 | 889491 |
| 4.81 | | 9853 | 11044 |
| 4.858 | | 111567 | 135162 |
| 4.89 | | 9244 | 5802 |
| 4.916 | | 215489 | 211224 |
| 4.968 | | 1372457 | 1638374 |
| 5.018 | | 231729 | 214925 |
| 5.062 | | 635650 | 709429 |
| 5.104 | | 12222 | 7369 |
| 5.141 | | 152799 | 180454 |
| 5.178 | | 1664267 | 1797220 |
| 5.239 | | 833475 | 772823 |
| 5.283 | | 603330 | 578913 |
| 5.335 | | 2292 | 1864 |
| 5.405 | | 1078745 | 1497263 |
| 5.463 | | 534945 | 496100 |
| 5.503 | | 295715 | 276065 |
| 5.543 | | 65960 | 65915 |
| 5.588 | | 327481 | 304120 |
| 5.617 | | 17138 | 9671 |
| 5.645 | | 2920934 | 2938216 |
| 5.737 | | 52232 | 49309 |
| 5.768 | | 4094 | 2589 |
| 5.786 | | 3254 | 2136 |
| 5.851 | | 1623987 | 1705614 |
| 5.89 | | 437311 | 861821 |
| 5.952 | | 40351 | 44222 |
| 6.035 | | 36690 | 57659 |
| 6.101 | | 44134 | 35972 |
| 6.124 | | 306752 | 283258 |
| 6.191 | | 2612 | 2825 |
| 6.25 | | 1947 | 1372 |
| 6.281 | | 755387 | 763088 |
| 6.327 | | 54494 | 54408 |
| 6.395 | | 2950 | 5726 |
| 6.482 | | 164425 | 182166 |
| 6.573 | | 933 | 749 |
| 6.63 | DCB | 536805 | 615913 |
| 6.708 | | 4782 | 4809 |
| 6.806 | | 945 | 1616 |
| 6.906 | | 1015 | 1105 |
| 6.942 | | 2767 | 3138 |

LANCASTER LABORATORIES

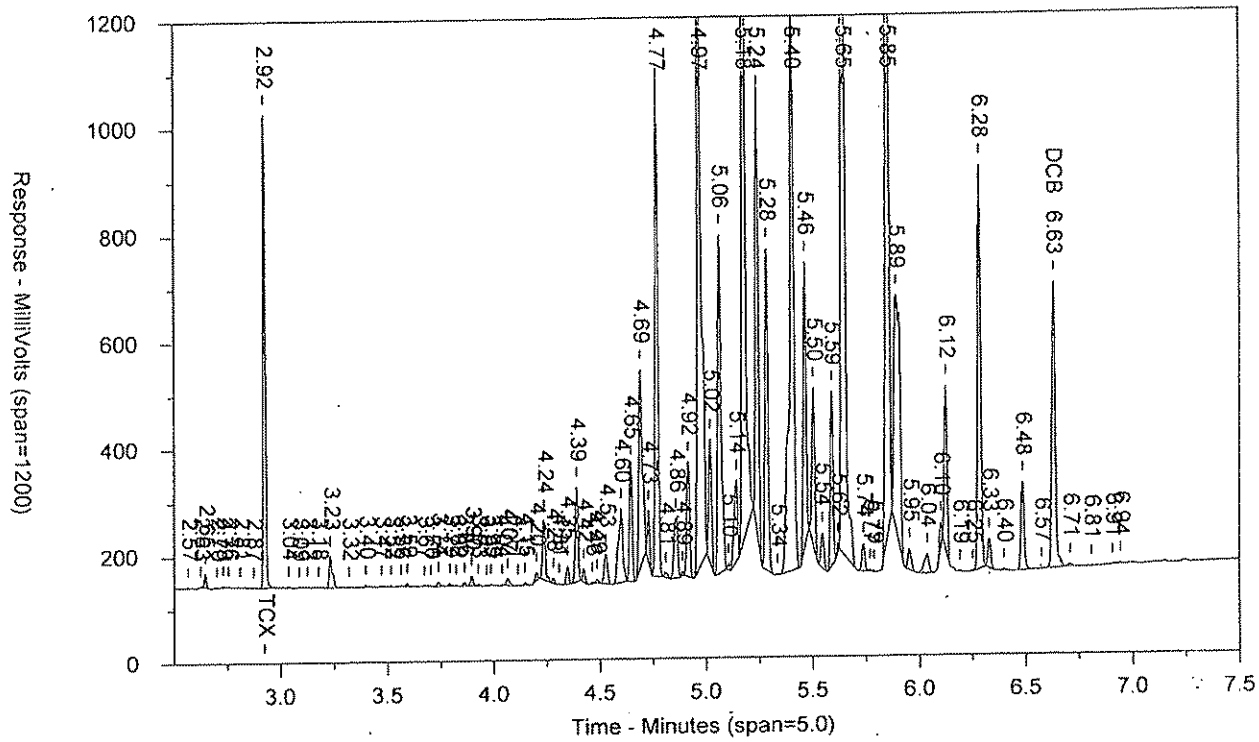
Sample Number: 8577894ACF DF5 ACATW21 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:35:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.102 | | 15081 | 11841 |
| 2.146 | | 6212 | 3596 |
| 2.169 | | 2637 | 4262 |
| 2.218 | | 3407 | 4191 |
| 2.297 | | 2486 | 2134 |
| 2.349 | | 42937 | 31506 |
| 2.421 | | 4548 | 2723 |
| 2.47 | | 1857 | 1947 |
| 2.523 | | 1130 | 1103 |
| 2.576 | | 2534 | 1817 |
| 2.599 | TCX | 1525200 | 918435 |
| 2.661 | | 3370 | 1754 |
| 2.699 | | 3107 | 5670 |
| 2.755 | | 1546 | 640 |
| 2.77 | | 5384 | 2843 |
| 2.795 | | 2301 | 2132 |
| 2.905 | | 100852 | 79202 |
| 2.931 | | 2653 | 2378 |
| 2.992 | | 1102 | 685 |
| 3.042 | | 1768 | 2512 |
| 3.091 | | 2362 | 1230 |
| 3.164 | | 1499 | 1828 |
| 3.187 | | 2044 | 1040 |
| 3.213 | | 4219 | 6051 |
| 3.248 | | 9594 | 6882 |
| 3.307 | | 2900 | 4223 |
| 3.359 | | 3486 | 6054 |
| 3.409 | | 5626 | 6223 |
| 3.458 | | 1139 | 535 |
| 3.478 | | 7850 | 4940 |
| 3.512 | | 11145 | 6125 |
| 3.536 | | 32440 | 20137 |
| 3.569 | | 6192 | 3801 |
| 3.639 | | 9142 | 7694 |
| 3.661 | | 4751 | 2471 |
| 3.682 | | 3104 | 1729 |
| 3.711 | | 21470 | 11995 |
| 3.738 | | 2630 | 2651 |
| 3.764 | | 4473 | 2333 |
| 3.813 | | 18496 | 17955 |
| 3.858 | | 226688 | 154346 |
| 3.884 | | 9224 | 4914 |
| 3.902 | | 5928 | 2969 |
| 3.922 | | 87645 | 56987 |
| 3.957 | | 325945 | 218089 |
| 3.988 | | 55809 | 59067 |
| 4.052 | | 4988 | 2775 |
| 4.066 | | 6264 | 3830 |
| 4.089 | | 62271 | 72427 |
| 4.129 | | 30949 | 22197 |
| 4.156 | | 87406 | 58285 |
| 4.197 | | 179614 | 110260 |
| 4.215 | | 164338 | 75776 |
| 4.229 | | 645460 | 356817 |

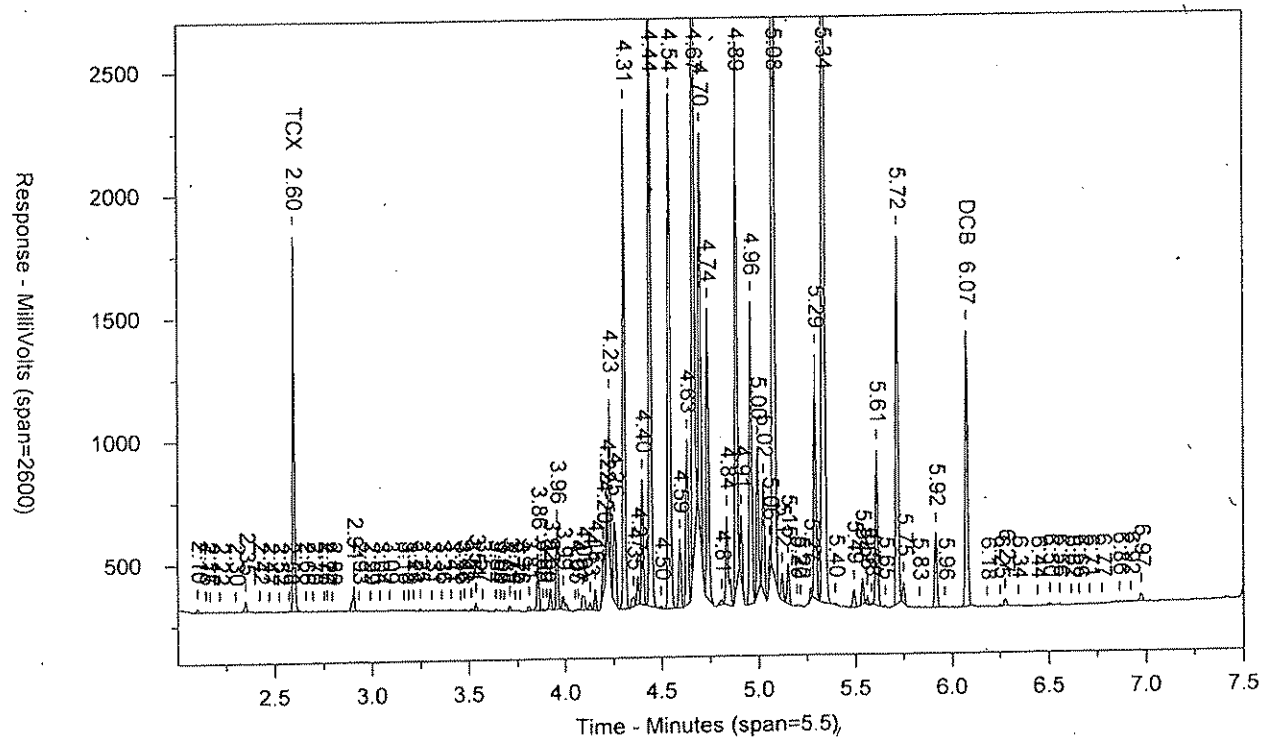
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.254 | | 327517 | 315173 |
| 4.305 | | 2040793 | 1505214 |
| 4.352 | | 41679 | 43664 |
| 4.374 | | 117873 | 72046 |
| 4.399 | | 513146 | 378056 |
| 4.441 | | 3118723 | 2257500 |
| 4.495 | | 11201 | 7879 |
| 4.542 | | 2103142 | 1906465 |
| 4.594 | | 281592 | 230459 |
| 4.633 | | 673736 | 565000 |
| 4.668 | | 3358034 | 2625254 |
| 4.7 | | 1627092 | 1141210 |
| 4.738 | | 1183158 | 913251 |
| 4.809 | | 22998 | 22642 |
| 4.836 | | 363154 | 359027 |
| 4.887 | | 2210089 | 1638053 |
| 4.91 | | 262921 | 161547 |
| 4.96 | | 1233677 | 1017622 |
| 4.995 | | 599776 | 460543 |
| 5.024 | | 440909 | 352414 |
| 5.056 | | 119564 | 66935 |
| 5.079 | | 6151458 | 4825076 |
| 5.12 | | 110010 | 79185 |
| 5.151 | | 165918 | 132770 |
| 5.197 | | 6120 | 5003 |
| 5.216 | | 5114 | 3242 |
| 5.269 | | 49413 | 30183 |
| 5.293 | | 997462 | 797465 |
| 5.337 | | 3756989 | 3908558 |
| 5.396 | | 7892 | 6764 |
| 5.492 | | 72710 | 59617 |
| 5.537 | | 108014 | 83565 |
| 5.561 | | 36698 | 23200 |
| 5.583 | | 9456 | 5065 |
| 5.61 | | 634543 | 521234 |
| 5.652 | | 7400 | 7538 |
| 5.716 | | 1499136 | 1224076 |
| 5.748 | | 86279 | 62549 |
| 5.83 | | 4383 | 3376 |
| 5.915 | | 306294 | 251108 |
| 5.961 | | 3980 | 3630 |
| 6.075 | DCB | 1123610 | 962602 |
| 6.182 | | 1214 | 902 |
| 6.249 | | 7071 | 5155 |
| 6.274 | | 30125 | 26451 |
| 6.342 | | 4772 | 8025 |
| 6.442 | | 3237 | 6578 |
| 6.503 | | 8897 | 12264 |
| 6.556 | | 6056 | 7530 |
| 6.617 | | 2328 | 2969 |
| 6.658 | | 1485 | 781 |
| 6.71 | | 1107 | 2386 |
| 6.775 | | 975 | 1383 |
| 6.863 | | 4011 | 14800 |
| 6.92 | | 2216 | 2905 |
| 6.974 | | 31751 | 30281 |

8577894ACF DF5 ACATW21 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0018.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0018.RAW



LANCASTER LABORATORIES

Sample Number: 8577894ACF DF5 ACATW21 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:35:06 PM
Sample Weight: 10.2
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

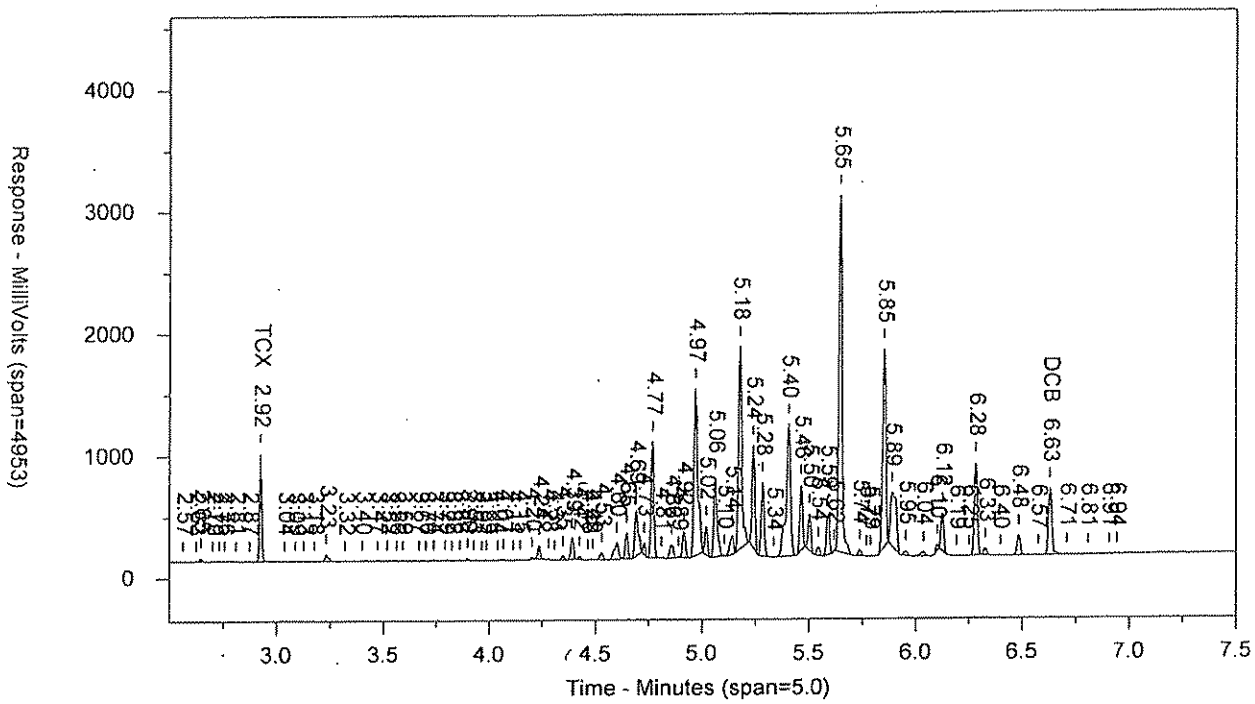
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.924 | 886571 | 32.122 | TCX | 2.599 | 1525200 | 30.44 | TCX |
| 6.63 | 536805 | 39.367 | DCB | 6.075 | 1123610 | 28.953 | DCB |

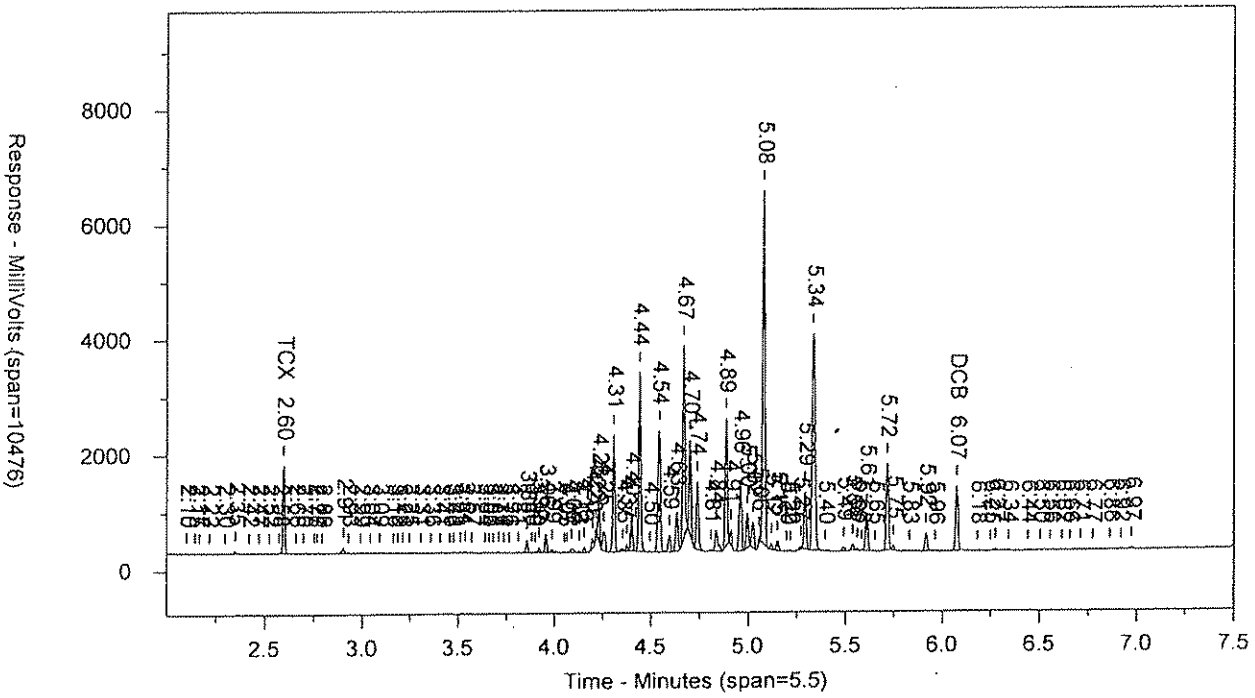
Files:
Area File: 25pcbs16207035.0018.RAW
Area File: 25pcbs16207035B.0018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 12:43:36 PM
File Reported On: 9/15/2016 at 12:43:49 PM

8577894ACF DF5 ACATW21 T 162570008A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0018.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0018.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577895** ACF DF50 ATW22 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.37 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:46:30 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0019.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 127% ( 46 - 148 ) Conc: 35.90294
%SSR(DCB) * 200% ( 49 - 139 ) Conc: 56.47635

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:46:30 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0019.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 108% ( 46 - 148 ) Conc: 30.46286
%SSR(DCB) 131% ( 49 - 139 ) Conc: 36.98615

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.81** | |
| 4.76 | 4.77 | 4.80 | 1252876 | 15173.988207 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1794448 | 20085.262045 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1079904 | 19857.323951 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1431733 | 21041.070656 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3757524 | 26456.100692 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2110565 | 26059.049838 | | | 6 |

Height summation: **11427050**
Concentration CF: **21445.465898** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.01** | |
| 4.29 | 4.31 | 4.33 | 3358491 | 16679.3724 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4635912 | 20340.093639 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3318117 | 17456.01934 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3254868 | 21484.577725 | | | 4 |
| 5.07 | 5.08 | 5.11 | 8954568 | 26665.924192 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5702696 | 25344.784148 | | | 6 |

Height summation: **29224652**
Concentration CF: **21328.461907** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2459.0164 | <477.3385 | | | 4 | |
| ☑ | PCB-1221 | | | <2459.0164 | <737.7049 | | | 3 | |
| ☑ | PCB-1232 | | | <2459.0164 | <593.0569 | | | 4 | |
| ☑ | PCB-1242 | | | <2459.0164 | <593.0569 | | | 4 | |
| ☑ | PCB-1248 | | | <2459.0164 | <477.3385 | | | 4 | |
| ☑ | PCB-1254 | | | <2459.0164 | <636.4513 | | | 4 | |
| ☑ | PCB-1260 | A | 21445.465898 | 2459.0164 | 564.1273 | | 0.55 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 100744 | 35.90294 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 155178 | 30.46286 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 78294 | 56.47635 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 145930 | 36.98615 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ | Tetrachloro-m-xylene | A | 35.90294 | | | | 16.39 | |
| ☑ | Decachlorobiphenyl | A | 56.47635 | | | P | 41.71 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerio L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577895** ACF DF50 ATW22 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.37 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274A
Result file : 25PCBS16207035.0019.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 127% (46-148) Conc.: 35.90294
%SSR(DCB) : *200% (49-139) Conc.: 56.47635

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 83.45 | |
| 3.17 | 3.18 | 3.21 | 3215.353 | 67.713437 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4440.647 | 95.134083 | | | 2 |
| + 3.39 | 3.43 | 3.43 | 1671.66 | 35.812764 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4507.49 | 79.474824 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16630.25 | 258.650629 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6867.15 | 125.418799 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 1876.591 | 34.273285 | | | 5 |
| 3.98 | 3.99 | 4.02 | 19017.7 | 450.257267 | | | 6 |
| Height Summation: | | | 54678.59 | | | | |
| Amount Avg CF: | | | 179.441506 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 19.10 | |
| 3.13 | 3.14 | 3.17 | 768.3464 | 37.491621 | | | 2 |
| 3.17 | 3.18 | 3.21 | 3215.353 | 49.198305 | | | 3 |
| Height Summation: | | | 3983.6994 | | | | |
| Amount Avg CF: | | | 43.344963 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 96.15 | |
| 3.17 | 3.18 | 3.21 | 3215.353 | 50.650146 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4440.647 | 171.221097 | | | 2 |
| + 3.39 | 3.43 | 3.43 | 1671.66 | 64.455351 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4507.49 | 142.577599 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16630.25 | 472.633654 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6867.15 | 232.016003 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 1876.591 | 63.403179 | | | 5 |
| 3.99 | 3.99 | 4.02 | 19017.7 | 907.290391 | | | 6 |
| Height Summation: | | | 54678.59 | | | | |
| Amount Avg CF: | | | 329.398148 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 83.85 | |
| 3.17 | 3.18 | 3.21 | 3215.353 | 92.658727 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4440.647 | 135.836946 | | | 2 |
| + 3.39 | 3.43 | 3.43 | 1671.66 | 51.135159 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4507.49 | 110.900398 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16630.25 | 367.164142 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6867.15 | 175.651948 | | | 5 |
| + 3.79 | 3.83 | 3.83 | 1876.591 | 48.000534 | | | 5 |
| 3.98 | 3.99 | 4.02 | 19017.7 | 635.516091 | | | 6 |
| Height Summation: | | | 54678.59 | | | | |
| Amount Avg CF: | | | 252.954709 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 172.33 | |
| 3.79 | 3.79 | 3.83 | 6867.15 | 221.345224 | | | 1 |
| + 3.79 | 3.83 | 3.83 | 1876.591 | 60.487168 | | | 1 |
| 3.85 | 3.86 | 3.89 | 30712.33 | 585.935244 | | | 2 |
| 3.98 | 3.99 | 4.02 | 19017.7 | 318.011202 | | | 3 |
| 4.25 | 4.26 | 4.29 | 87875.16 | 1709.062188 | | | 5 |
| + 4.25 | 4.28 | 4.29 | 76650.48 | 1490.756171 | | | 5 |
| 4.64 | 4.65 | 4.68 | 461100.2 | 12286.230503 | | | 6 |
| Height Summation: | | | 605572.54 | | | | |
| Amount Avg CF: | | | 3024.116872 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0019.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 108% (46-148) Conc.: 30.46286
%SSR(DCB) : 131% (49-139) Conc.: 36.98615

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 150.68 | |
| 2.87 | 2.91 | 2.91 | 171399.9 | 2052.377171 | | | 1 |
| 3.19 | 3.21 | 3.23 | 6220.826 | 60.180199 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 2172.796 | 19.66224 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17181.92 | 155.48401 | | | 3 |
| 3.46 | 3.48 | 3.50 | 13561.1 | 119.406829 | | | 4 |
| 3.63 | 3.64 | 3.67 | 39780.03 | 412.15145 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8271.055 | 85.694438 | | | 5 |
| 3.72 | 3.73 | 3.76 | 20866.51 | 251.639548 | | | 6 |
| Height Summation: | | | 269010.286 | | | | |
| Amount Avg CF: | | | 508.539868 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 123.76 | |
| 2.75 | 2.77 | 2.79 | 14164.03 | 303.928305 | | | 1 |
| 2.81 | 2.83 | 2.85 | 1446.248 | 48.700505 | | | 2 |
| 2.87 | 2.91 | 2.91 | 171399.9 | 1432.724315 | | | 3 |
| Height Summation: | | | 187010.178 | | | | |
| Amount Avg CF: | | | 595.117708 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 88.32 | |
| 2.87 | 2.91 | 2.91 | 171399.9 | 1462.946066 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6220.826 | 111.186714 | | | 2 |
| 3.39 | 3.41 | 3.43 | 17181.92 | 288.106691 | | | 3 |
| 3.47 | 3.48 | 3.51 | 13561.1 | 231.765726 | | | 4 |
| 3.63 | 3.64 | 3.67 | 39780.03 | 868.773291 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8271.055 | 180.63515 | | | 5 |
| 3.72 | 3.73 | 3.76 | 20866.51 | 496.19497 | | | 6 |
| Height Summation: | | | 269010.286 | | | | |
| Amount Avg CF: | | | 576.495576 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 149.47 | |
| 2.87 | 2.91 | 2.91 | 171399.9 | 2785.510237 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6220.826 | 81.679927 | | | 2 |
| 3.39 | 3.41 | 3.43 | 17181.92 | 213.855636 | | | 3 |
| 3.47 | 3.48 | 3.51 | 13561.1 | 174.346955 | | | 4 |
| 3.63 | 3.64 | 3.67 | 39780.03 | 569.308422 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8271.055 | 118.370481 | | | 5 |
| 3.72 | 3.73 | 3.76 | 20866.51 | 342.755263 | | | 6 |
| Height Summation: | | | 269010.286 | | | | |
| Amount Avg CF: | | | 694.576073 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 127.92 | |
| + 3.50 | 3.51 | 3.54 | 54033.86 | 486.392261 | | | 1 |
| 3.50 | 3.54 | 3.54 | 67158.61 | 604.536269 | | | 1 |
| 3.63 | 3.64 | 3.67 | 39780.03 | 296.159161 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 8271.055 | 61.577347 | | | 2 |
| 3.72 | 3.73 | 3.76 | 20866.51 | 212.867888 | | | 3 |
| 3.85 | 3.86 | 3.89 | 604291.6 | 3243.512486 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 129080.6 | 692.835276 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 566329.3 | 6740.857834 | | | 5 |
| 4.21 | 4.23 | 4.25 | 766539.4 | 9123.902153 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 651675.1 | 12940.813123 | | | 6 |
| 4.37 | 4.40 | 4.40 | 757216.9 | 15036.63773 | | | 6 |
| Height Summation: | | | 2255853.05 | | | | |
| Amount Avg CF: | | | 4752.935948 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577895** ACF DF50 ATW22 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.37 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274A
Result file : 25PCBS16207035.0019.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 119.86 | |
| 4.23 | 4.24 | 4.27 | 182381.3 | 2889.317205 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 87875.16 | 1392.134017 | | | 1 |
| + 4.58 | 4.59 | 4.62 | 66314.82 | 1095.00111 | | | 2 |
| 4.58 | 4.60 | 4.62 | 68867.8 | 1137.156332 | | | 2 |
| 4.64 | 4.65 | 4.68 | 461100.2 | 4054.799552 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1252876 | 33955.334286 | | | 4 |
| 4.86 | 4.86 | 4.90 | 338081.7 | 4674.541497 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 13012 | 179.91253 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1033051 | 17272.498431 | | | 6 |
| Height Summation: | | | 3336358 | | | | |
| Amount Avg CF: | | | 10663.941217 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 19.81 | |
| 4.76 | 4.77 | 4.80 | 1252876 | 15173.988207 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1794448 | 20085.262045 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1079904 | 19857.323951 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1431733 | 21041.070656 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3757524 | 26456.100692 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2110565 | 26059.049838 | | | 6 |
| Height Summation: | | | 11427050 | | | | |
| Amount Avg CF: | | | 21445.465898 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 22.63 | |
| E 5.23 | 5.24 | 5.27 | 1079904 | 11091.653799 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1431733 | 16870.780316 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3757524 | 19416.590298 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 2110565 | 19048.897144 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 926213.8 | 13458.905775 | | | 6 |
| Height Summation: | | | 9305939.8 | | | | |
| Amount Avg CF: | | | 15977.365467 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.54 | |
| 5.84 | 5.85 | 5.88 | 2110565 | 9373.434371 | | | 1 |
| 6.03 | 6.04 | 6.07 | 40761.97 | 223.463003 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 54604.34 | 1079.927266 | | | 4 |
| 6.10 | 6.13 | 6.14 | 380000.8 | 7515.395755 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 926213.8 | 11850.693654 | | | 5 |
| 6.48 | 6.48 | 6.52 | 198642.2 | 371.393522 | | | 6 |
| Height Summation: | | | 3656183.77 | | | | |
| Amount Avg CF: | | | 5866.876061 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0019.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 119.75 | |
| 4.15 | 4.16 | 4.19 | 360003.2 | 2371.032206 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 566329.3 | 2145.184659 | | | 2 |
| 4.21 | 4.23 | 4.25 | 766539.4 | 2903.555513 | | | 2 |
| 4.30 | 4.31 | 4.34 | 3358491 | 27000.40947 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 651675.1 | 3883.191486 | | | 4 |
| 4.37 | 4.40 | 4.41 | 757216.9 | 4512.092328 | | | 4 |
| 4.43 | 4.44 | 4.47 | 4635912 | 46064.678811 | | | 5 |
| 4.58 | 4.59 | 4.62 | 777587.4 | 6632.688655 | | | 6 |
| Height Summation: | | | 10655749.9 | | | | |
| Amount Avg CF: | | | 14914.076164 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 19.01 | |
| 4.29 | 4.31 | 4.33 | 3358491 | 16679.3724 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4635912 | 20340.093639 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3318117 | 17456.01934 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3254868 | 21484.577725 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 474898 | 3134.684108 | | | 4 |
| 5.07 | 5.08 | 5.11 | 8954568 | 26665.924192 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5702696 | 25344.784148 | | | 6 |
| Height Summation: | | | 29224652 | | | | |
| Amount Avg CF: | | | 21328.461907 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.33 | |
| 4.69 | 4.70 | 4.73 | 2443499 | 9475.46233 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 3254868 | 12369.822382 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 474898 | 1804.805574 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 8954568 | 18542.887503 | | | 3 |
| 5.28 | 5.29 | 5.32 | 1486821 | 7468.150896 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 5702696 | 17306.024625 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2205010 | 12454.623845 | | | 6 |
| Height Summation: | | | 24047462 | | | | |
| Amount Avg CF: | | | 12936.16193 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.86 | |
| 5.29 | 5.29 | 5.33 | 1486821 | 2510.321633 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 5702696 | 9946.648939 | | | 2 |
| 5.49 | 5.49 | 5.53 | 80707.53 | 160.641398 | | | 3 |
| 5.55 | 5.56 | 5.59 | 37003.92 | 306.713453 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 9557.056 | 79.215328 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2205010 | 10849.868778 | | | 5 |
| 5.91 | 5.92 | 5.95 | 414316.5 | 247.919237 | | | 6 |
| Height Summation: | | | 9926554.95 | | | | |
| Amount Avg CF: | | | 4003.685573 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2459.0164 | 477.3385 | | ** 95.67 | 4 | 40 | |
| Aroclor-1221 | | | 2459.0164 | 737.7049 | | ** 172.84 | 3 | 5 | |
| Aroclor-1232 | | | 2459.0164 | 593.0569 | | ** 54.55 | 4 | 10 | |
| Aroclor-1242 | | | 2459.0164 | 593.0569 | | ** 93.22 | 4 | 30 | |
| Aroclor-1248 | | | 2459.0164 | 477.3385 | | ** 44.46 | 4 | 40 | |
| Aroclor-1254 | | | 2459.0164 | 636.4513 | | 33.23 | 4 | 40 | |
| Aroclor-1260 | | | 2459.0164 | 564.1273 | | 0.55 | 4 | 40 | |
| Aroclor-1262 | | | 2459.0164 | 477.3385 | E | 21.04 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577895** ACF DF50 ATW22 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.37 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274A
Result file : 25PCBS16207035.0019.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 12:46:30
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0019.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 2459.0164 | 477.3385 | E | 37.75 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577895ACF DF50 ACATW22 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:46:30 PM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP25-18274
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: 25pcbs16207035.0019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.038 | | 6588 | 6108 |
| 2.089 | | 8759 | 12201 |
| 2.197 | | 48411 | 36399 |
| 2.308 | | 9117 | 6585 |
| 2.381 | | 8597 | 7608 |
| 2.408 | | 3295 | 2413 |
| 2.489 | | 2305 | 2127 |
| 2.568 | | 1369 | 2434 |
| 2.627 | | 5377 | 3059 |
| 2.648 | | 27217 | 17192 |
| 2.707 | | 1004 | 1473 |
| 2.76 | | 1492 | 2003 |
| 2.811 | | 3200 | 3419 |
| 2.881 | | 654 | 792 |
| 2.925 | TCX | 100744 | 67853 |
| 3.039 | | 8693 | 5821 |
| 3.14 | | 768 | 1100 |
| 3.181 | | 3215 | 5035 |
| 3.233 | | 102069 | 97844 |
| 3.401 | | 4441 | 2938 |
| 3.428 | | 1672 | 1469 |
| 3.473 | | 2433 | 2219 |
| 3.516 | | 4507 | 3576 |
| 3.566 | | 1936 | 1727 |
| 3.593 | | 8929 | 6103 |
| 3.631 | | 1029 | 771 |
| 3.672 | | 1169 | 703 |
| 3.702 | | 3410 | 4166 |
| 3.738 | | 16630 | 13743 |
| 3.793 | | 6867 | 5384 |
| 3.826 | | 1877 | 1875 |
| 3.862 | | 30712 | 21999 |
| 3.898 | | 31217 | 28860 |
| 3.928 | | 2966 | 3553 |
| 3.988 | | 19018 | 14048 |
| 4.042 | | 7489 | 5094 |
| 4.069 | | 23746 | 30461 |
| 4.119 | | 4792 | 3691 |
| 4.149 | | 3702 | 2298 |
| 4.202 | | 17092 | 14393 |
| 4.238 | | 182381 | 136791 |
| 4.259 | | 87875 | 54232 |
| 4.282 | | 76650 | 54596 |
| 4.35 | | 68096 | 57646 |
| 4.393 | | 364741 | 343442 |
| 4.427 | | 115744 | 91228 |
| 4.468 | | 7033 | 4644 |
| 4.49 | | 18507 | 13718 |
| 4.532 | | 134261 | 140215 |
| 4.587 | | 66315 | 52959 |
| 4.601 | | 68868 | 65670 |
| 4.648 | | 461100 | 412177 |
| 4.693 | | 506564 | 575470 |
| 4.731 | | 156683 | 117879 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.77 | | 1252876 | 1189385 |
| 4.821 | | 35621 | 35085 |
| 4.863 | | 338082 | 364190 |
| 4.891 | | 13012 | 6942 |
| 4.918 | | 290175 | 273321 |
| 4.971 | | 1794448 | 2181105 |
| 5.021 | | 300942 | 269308 |
| 5.064 | | 1033051 | 1104979 |
| 5.106 | | 29953 | 19720 |
| 5.143 | | 198641 | 234581 |
| 5.181 | | 2356418 | 2575878 |
| 5.242 | | 1079904 | 993116 |
| 5.286 | | 734367 | 749122 |
| 5.407 | | 1431733 | 2011557 |
| 5.466 | | 702992 | 654293 |
| 5.505 | | 373240 | 338434 |
| 5.546 | | 74416 | 72639 |
| 5.591 | | 456626 | 431426 |
| 5.617 | | 20841 | 10453 |
| 5.646 | | 3757524 | 3910598 |
| 5.735 | | 12184 | 11578 |
| 5.77 | | 5936 | 3629 |
| 5.789 | | 5033 | 2916 |
| 5.853 | | 2110565 | 2168041 |
| 5.892 | | 528235 | 1061302 |
| 6.036 | | 40762 | 62180 |
| 6.102 | | 54604 | 41483 |
| 6.126 | | 380001 | 351617 |
| 6.249 | | 2013 | 1205 |
| 6.284 | | 926214 | 953052 |
| 6.328 | | 64741 | 62428 |
| 6.395 | | 2061 | 3310 |
| 6.484 | | 198642 | 223543 |
| 6.577 | | 1046 | 868 |
| 6.63 | DCB | 78294 | 81860 |
| 6.711 | | 4957 | 6329 |
| 6.844 | | 758 | 824 |
| 6.941 | | 2198 | 2555 |

LANCASTER LABORATORIES

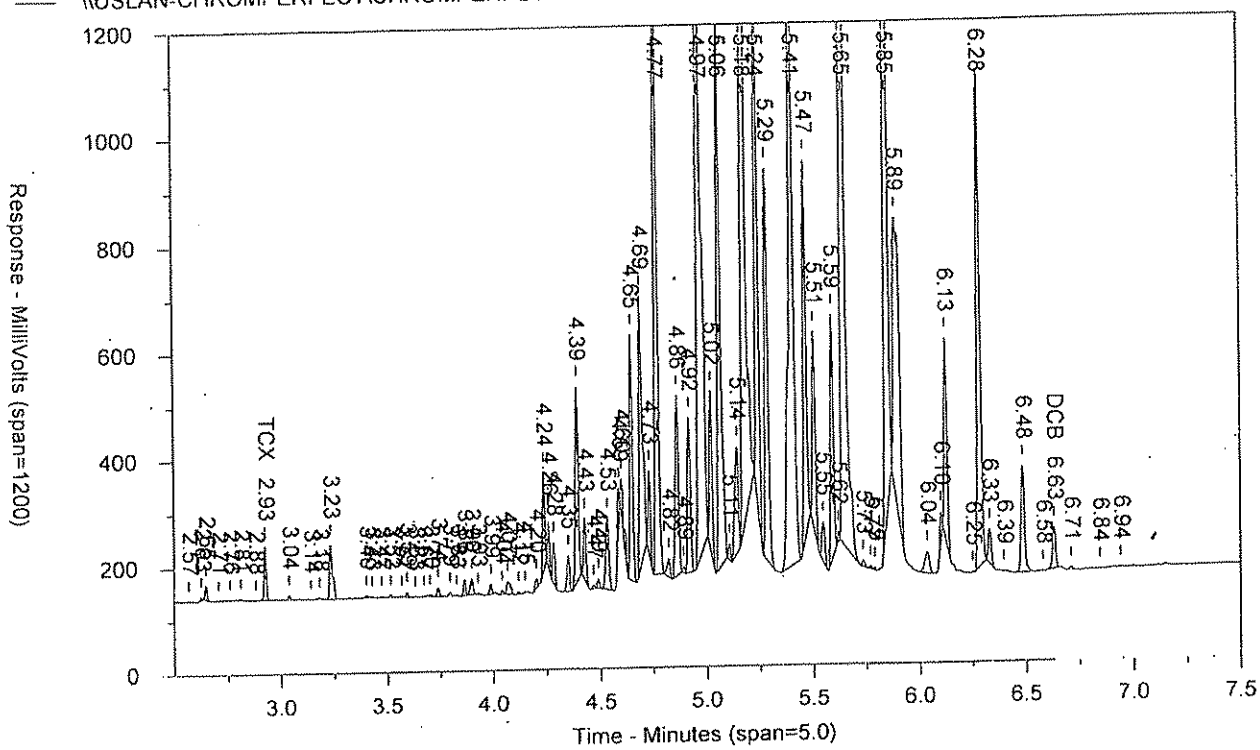
Sample Number: 8577895ACF DF50 ACATW22 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:46:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065.
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.098 | | 3315 | 3680 |
| 2.145 | | 10143 | 6995 |
| 2.218 | | 4548 | 7042 |
| 2.296 | | 4770 | 5179 |
| 2.349 | | 46061 | 38586 |
| 2.446 | | 1039 | 903 |
| 2.477 | | 2620 | 1866 |
| 2.599 | TCX | 155178 | 94179 |
| 2.705 | | 2330 | 4098 |
| 2.77 | | 14164 | 7783 |
| 2.831 | | 1446 | 923 |
| 2.905 | | 171400 | 138725 |
| 2.994 | | 1025 | 713 |
| 3.017 | | 1532 | 674 |
| 3.041 | | 3193 | 2426 |
| 3.09 | | 4164 | 2610 |
| 3.162 | | 3664 | 2892 |
| 3.212 | | 6221 | 6661 |
| 3.249 | | 17264 | 11743 |
| 3.296 | | 2407 | 4033 |
| 3.337 | | 1429 | 844 |
| 3.361 | | 5391 | 6101 |
| 3.389 | | 2173 | 875 |
| 3.409 | | 17182 | 15902 |
| 3.479 | | 13561 | 9960 |
| 3.513 | | 54034 | 31351 |
| 3.537 | | 67159 | 42481 |
| 3.57 | | 8740 | 6659 |
| 3.639 | | 39780 | 25123 |
| 3.663 | | 8271 | 4320 |
| 3.683 | | 13615 | 8931 |
| 3.712 | | 36924 | 19908 |
| 3.729 | | 20867 | 10706 |
| 3.765 | | 13923 | 11511 |
| 3.815 | | 28300 | 27551 |
| 3.838 | | 73001 | 43279 |
| 3.86 | | 604292 | 373087 |
| 3.885 | | 129081 | 75874 |
| 3.904 | | 26392 | 12916 |
| 3.924 | | 145117 | 91293 |
| 3.958 | | 784646 | 498860 |
| 3.99 | | 321134 | 339811 |
| 4.067 | | 28923 | 23603 |
| 4.1 | | 215048 | 195353 |
| 4.131 | | 21570 | 16904 |
| 4.157 | | 360003 | 253355 |
| 4.199 | | 259562 | 227080 |
| 4.217 | | 566329 | 278602 |
| 4.231 | | 766539 | 385359 |
| 4.255 | | 492808 | 472523 |
| 4.307 | | 3358491 | 2334390 |
| 4.345 | | 99306 | 93170 |
| 4.376 | | 651675 | 431654 |
| 4.4 | | 757217 | 548092 |

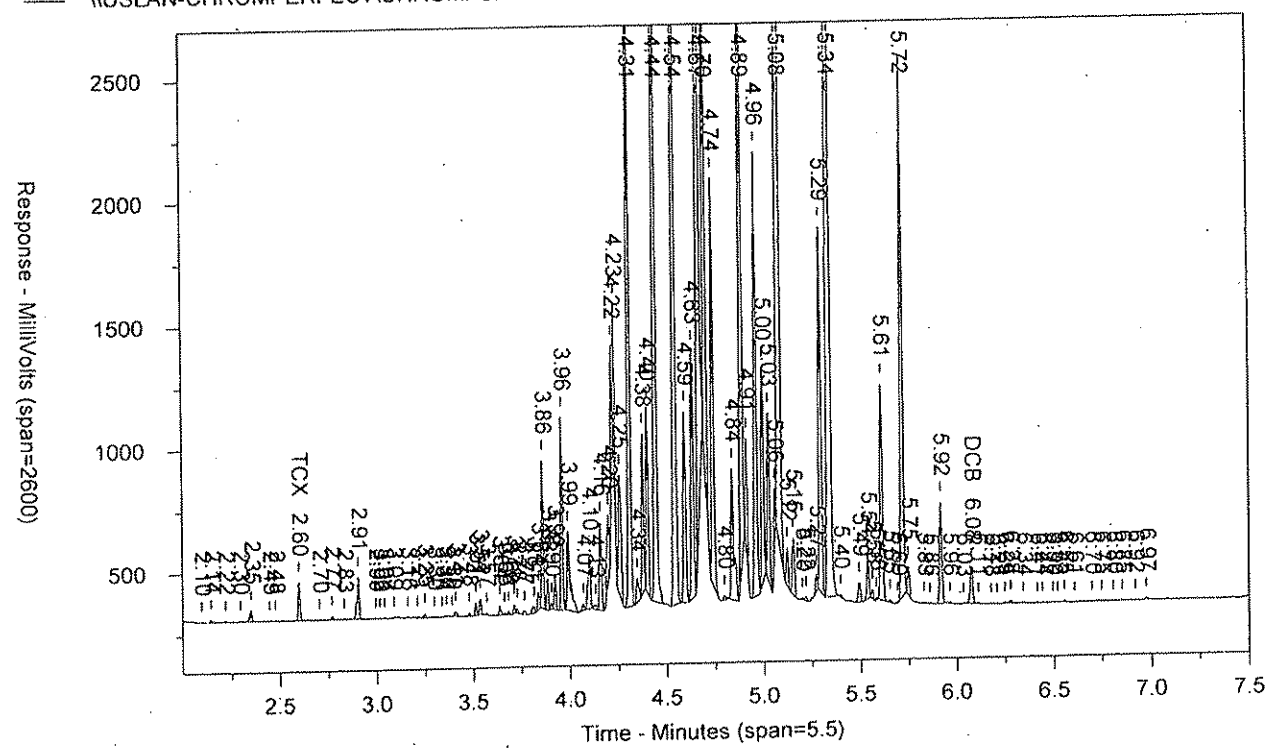
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.442 | | 4635913 | 3415128 |
| 4.543 | | 3318117 | 2977116 |
| 4.593 | | 777587 | 679081 |
| 4.634 | | 1010513 | 862307 |
| 4.669 | | 5379886 | 4282113 |
| 4.702 | | 2443499 | 1678465 |
| 4.74 | | 1664049 | 1296569 |
| 4.796 | | 20519 | 19471 |
| 4.838 | | 536139 | 540609 |
| 4.888 | | 3254868 | 2448014 |
| 4.912 | | 474898 | 301816 |
| 4.961 | | 1815925 | 1511706 |
| 4.997 | | 878184 | 690157 |
| 5.026 | | 686765 | 527140 |
| 5.058 | | 223505 | 132146 |
| 5.081 | | 8954568 | 7191645 |
| 5.122 | | 155014 | 112283 |
| 5.153 | | 231519 | 183905 |
| 5.199 | | 8974 | 5862 |
| 5.218 | | 16710 | 10526 |
| 5.271 | | 67764 | 40426 |
| 5.295 | | 1486821 | 1178987 |
| 5.338 | | 5702696 | 5806937 |
| 5.396 | | 8641 | 7057 |
| 5.494 | | 80708 | 65156 |
| 5.538 | | 154073 | 120317 |
| 5.562 | | 37004 | 22279 |
| 5.584 | | 9557 | 4607 |
| 5.611 | | 881504 | 765085 |
| 5.654 | | 10675 | 8312 |
| 5.692 | | 2593 | 1646 |
| 5.718 | | 2205011 | 1790002 |
| 5.748 | | 115639 | 81996 |
| 5.828 | | 5276 | 5499 |
| 5.859 | | 3515 | 4114 |
| 5.916 | | 414317 | 345351 |
| 5.964 | | 4810 | 3638 |
| 6.034 | | 2830 | 2433 |
| 6.076 | DCB | 145930 | 128482 |
| 6.112 | | 3607 | 2969 |
| 6.178 | | 2074 | 1792 |
| 6.206 | | 1791 | 1605 |
| 6.248 | | 6504 | 4542 |
| 6.276 | | 11092 | 9306 |
| 6.342 | | 2978 | 3622 |
| 6.414 | | 969 | 727 |
| 6.441 | | 1280 | 943 |
| 6.495 | | 2349 | 1586 |
| 6.518 | | 1056 | 618 |
| 6.553 | | 6676 | 6296 |
| 6.606 | | 969 | 1112 |
| 6.698 | | 1254 | 1902 |
| 6.746 | | 1232 | 1227 |
| 6.804 | | 1093 | 1076 |
| 6.851 | | 1261 | 1320 |
| 6.917 | | 1833 | 1423 |
| 6.975 | | 8845 | 9563 |

8577895ACF DF50 ACATW22 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0019.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0019.RAW



LANCASTER LABORATORIES

Sample Number: 8577895ACF DF50 ACATW22 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:46:30 PM
Sample Weight: 10.37
Dilution Factor: 500
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

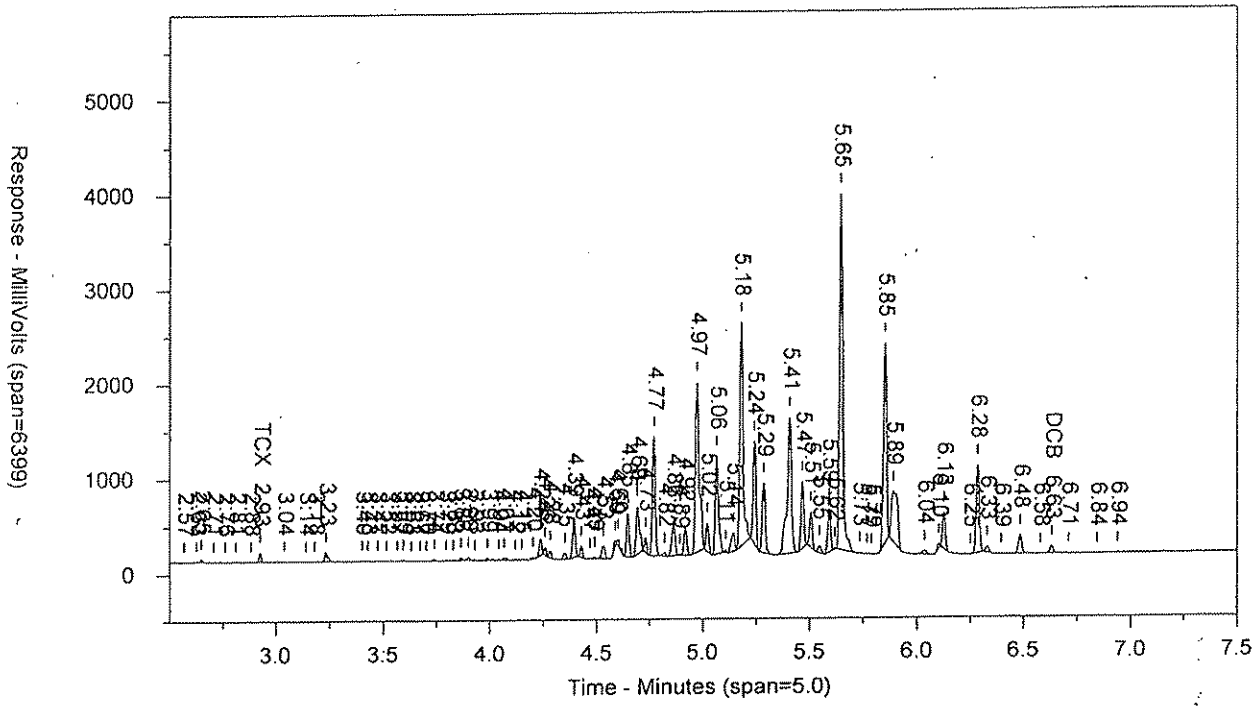
Analyst: 9065 .

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 100744 | 35.903 | TCX | 2.599 | 155178 | 30.463 | TCX |
| 6.63 | 78294 | 56.476 | DCB | 6.076 | 145930 | 36.986 | DCB |

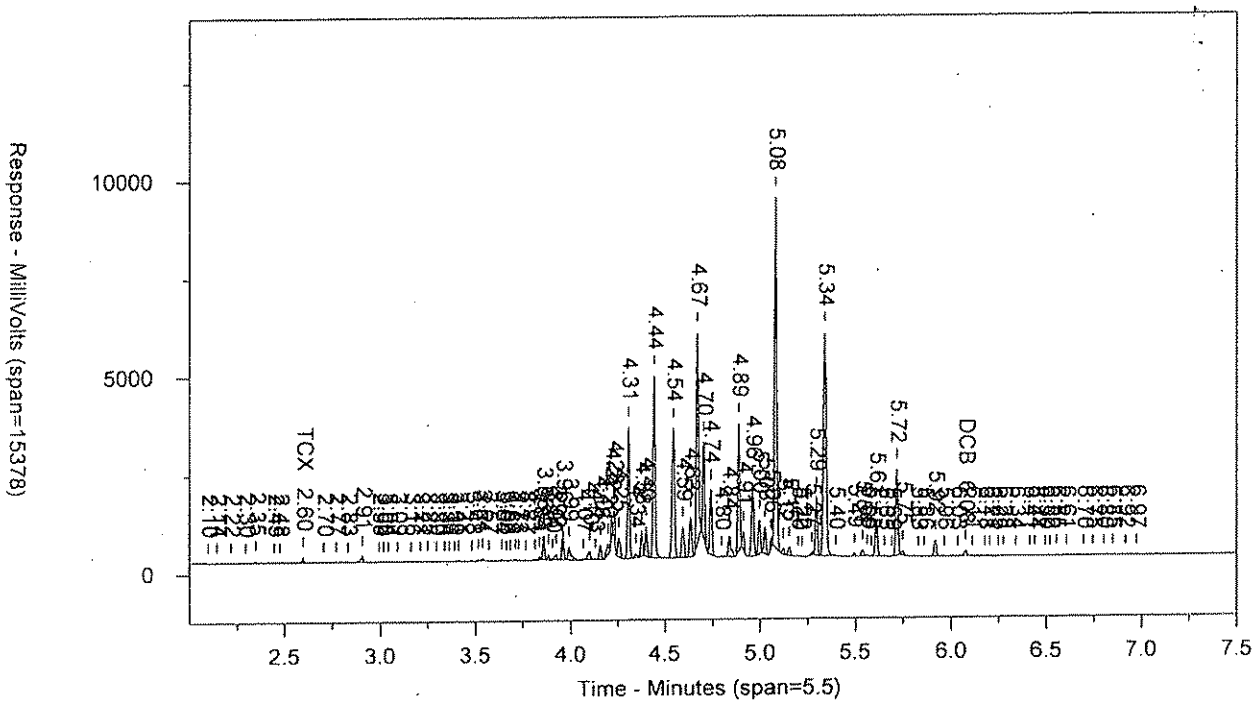
Files:
Area File: 25pcbs16207035.0019.RAW
Area File: 25pcbs16207035B.0019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 12:55:01 PM
File Reported On: 9/15/2016 at 12:55:09 PM

8577895ACF DF50 ACATW22 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0019.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0019.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577896** ACF DF10 ATW40 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.44 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:57:46 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0020.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 112% ( 46 - 148 ) Conc: 31.39223
%SSR(DCB) * 177% ( 49 - 139 ) Conc: 49.53014

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 12:57:46 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0020.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 104% ( 46 - 148 ) Conc: 29.24868
%SSR(DCB) 114% ( 49 - 139 ) Conc: 31.98903

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.76** | |
| 4.76 | 4.77 | 4.80 | 1097011 | 2639.434493 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1560849 | 3470.689551 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1008550 | 3684.183542 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1329980 | 3882.92644 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3487790 | 4878.45893 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1956972 | 4800.126801 | | | 6 |

Height summation: **10441152**
Concentration CF: **3892.636626** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.95** | |
| 4.29 | 4.31 | 4.33 | 2623226 | 2588.090616 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3957852 | 3449.733674 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2779577 | 2904.962173 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2851232 | 3738.817368 | | | 4 |
| 5.07 | 5.08 | 5.11 | 7890784 | 4668.102785 | | | 5 |
| 5.33 | 5.34 | 5.37 | 4825474 | 4260.46115 | | | 6 |

Height summation: **24928145**
Concentration CF: **3601.694628** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <488.5057 | <94.8276 | | | 4 | |
| ☑ PCB-1221 | | | <488.5057 | <146.5517 | | | 3 | |
| ☑ PCB-1232 | | | <488.5057 | <117.8161 | | | 4 | |
| ☑ PCB-1242 | | | <488.5057 | <117.8161 | | | 4 | |
| ☑ PCB-1248 | | | <488.5057 | <94.8276 | | | 4 | |
| ☑ PCB-1254 | | | <488.5057 | <126.4368 | | | 4 | |
| ☑ PCB-1260 | A | 3892.636626 | 488.5057 | 112.069 | | 7.76 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 443409 | 31.39223 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 749992 | 29.24868 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 345641 | 49.53014 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 635328 | 31.98903 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 31.39223 | | | | 7.07 | |
| ☑ Decachlorobiphenyl | A | 49.53014 | | | P | 43.04 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577896** ACF DF10 ATW40 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.44 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:57:46
Instrument : P 25--18274A
Result file : 25PCBS16207035.0020.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 112% (46-148) Conc.: 31.39223
%SSR(DCB) : *177% (49-139) Conc.: 49.53014

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 166.91 | |
| + 3.17 | 3.17 | 3.21 | 2681.955 | 11.220338 | | | 1 |
| 3.17 | 3.20 | 3.21 | 3127.842 | 13.085769 | | | 1 |
| 3.39 | 3.40 | 3.43 | 83097.78 | 353.661317 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3375.414 | 11.823066 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11401.02 | 35.226275 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6677.578 | 24.227764 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2714.026 | 9.8471 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9606.526 | 45.183238 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 2519.427 | 11.849848 | | | 6 |
| Height Summation: | | | 117286.16 | | | | |
| Amount Avg CF: | | | 80.534571 | Linear: | | | |
| **Aroclor-1221** | | | | | 1 | | |
| + 3.17 | 3.17 | 3.21 | 2681.955 | 8.15232 | | | 3 |
| 3.17 | 3.20 | 3.21 | 3127.842 | 9.50768 | | | 3 |
| Height Summation: | | | 3127.842 | | | | |
| Amount Avg CF: | | | 9.50768 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 167.85 | |
| + 3.17 | 3.17 | 3.21 | 2681.955 | 8.392895 | | | 1 |
| 3.17 | 3.20 | 3.21 | 3127.842 | 9.788251 | | | 1 |
| 3.39 | 3.40 | 3.43 | 83097.78 | 636.515084 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3375.414 | 21.210545 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11401.02 | 64.369158 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6677.578 | 44.819667 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2714.026 | 18.216447 | | | 5 |
| 3.99 | 3.99 | 4.02 | 9606.526 | 91.046433 | | | 6 |
| + 3.99 | 4.01 | 4.02 | 2519.427 | 23.878022 | | | 6 |
| Height Summation: | | | 117286.16 | | | | |
| Amount Avg CF: | | | 144.624856 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 167.80 | |
| + 3.17 | 3.17 | 3.21 | 2681.955 | 15.353854 | | | 1 |
| 3.17 | 3.20 | 3.21 | 3127.842 | 17.906501 | | | 1 |
| 3.39 | 3.40 | 3.43 | 83097.78 | 504.974367 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3375.414 | 16.498089 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11401.02 | 50.005001 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6677.578 | 33.931547 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2714.026 | 13.791093 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9606.526 | 63.773929 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 2519.427 | 16.72548 | | | 6 |
| Height Summation: | | | 117286.16 | | | | |
| Amount Avg CF: | | | 114.514906 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 188.86 | |
| 3.79 | 3.79 | 3.83 | 6677.578 | 42.758341 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 2714.026 | 17.378644 | | | 1 |
| 3.85 | 3.86 | 3.89 | 12741.88 | 48.292381 | | | 2 |
| 3.98 | 3.99 | 4.02 | 9606.526 | 31.912369 | | | 3 |
| + 3.98 | 4.01 | 4.02 | 2519.427 | 8.369403 | | | 3 |
| 4.25 | 4.28 | 4.29 | 28479.35 | 110.034801 | | | 5 |
| 4.64 | 4.65 | 4.68 | 308256.8 | 1631.714855 | | | 6 |
| Height Summation: | | | 365762.134 | | | | |
| Amount Avg CF: | | | 372.942549 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:57:46
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0020.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 104% (46-148) Conc.: 29.24868
%SSR(DCB) : 114% (49-139) Conc.: 31.98903

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 219.89 | |
| 2.87 | 2.91 | 2.91 | 619007.3 | 1472.484172 | | | 1 |
| 3.19 | 3.21 | 3.23 | 6902.968 | 13.266296 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11252.71 | 20.229233 | | | 3 |
| 3.46 | 3.48 | 3.50 | 14433.59 | 25.247412 | | | 4 |
| 3.63 | 3.64 | 3.67 | 22826.71 | 46.983277 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8872.523 | 18.261948 | | | 5 |
| 3.72 | 3.73 | 3.76 | 13256.78 | 31.759626 | | | 6 |
| Height Summation: | | | 687680.058 | | | | |
| Amount Avg CF: | | | 268.328336 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 159.96 | |
| + 2.75 | 2.75 | 2.79 | 2046.304 | 8.722937 | | | 1 |
| 2.75 | 2.77 | 2.79 | 11345.91 | 48.365079 | | | 1 |
| 2.81 | 2.83 | 2.85 | 1091.768 | 7.303471 | | | 2 |
| 2.87 | 2.91 | 2.91 | 619007.3 | 1027.912367 | | | 3 |
| Height Summation: | | | 631444.978 | | | | |
| Amount Avg CF: | | | 361.193639 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 184.70 | |
| 2.87 | 2.91 | 2.91 | 619007.3 | 1049.595054 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6902.968 | 24.510318 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11252.71 | 37.484095 | | | 3 |
| 3.47 | 3.48 | 3.51 | 14433.59 | 49.004607 | | | 4 |
| 3.63 | 3.64 | 3.67 | 22826.71 | 99.035963 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8872.523 | 38.494328 | | | 5 |
| 3.72 | 3.73 | 3.76 | 13256.78 | 62.625159 | | | 6 |
| Height Summation: | | | 687680.058 | | | | |
| Amount Avg CF: | | | 220.375866 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 219.37 | |
| E 2.87 | 2.91 | 2.91 | 619007.3 | 1998.472694 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6902.968 | 18.005758 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11252.71 | 27.823668 | | | 3 |
| 3.47 | 3.48 | 3.51 | 14433.59 | 36.863967 | | | 4 |
| 3.63 | 3.64 | 3.67 | 22826.71 | 64.898413 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8872.523 | 25.22539 | | | 5 |
| 3.72 | 3.73 | 3.76 | 13256.78 | 43.259413 | | | 6 |
| Height Summation: | | | 687680.058 | | | | |
| Amount Avg CF: | | | 364.887319 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 137.55 | |
| + 3.50 | 3.51 | 3.54 | 22269.86 | 39.82414 | | | 1 |
| 3.50 | 3.54 | 3.54 | 45460.61 | 81.295064 | | | 1 |
| 3.63 | 3.64 | 3.67 | 22826.71 | 33.760715 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 8872.523 | 13.122466 | | | 2 |
| 3.72 | 3.73 | 3.76 | 13256.78 | 26.866224 | | | 3 |
| 3.85 | 3.86 | 3.89 | 322945.1 | 344.354664 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 38878.77 | 41.456228 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 286615.8 | 677.726579 | | | 5 |
| 4.21 | 4.23 | 4.25 | 731381.4 | 1729.411337 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 290149.8 | 1144.619044 | | | 6 |
| 4.37 | 4.40 | 4.40 | 677717.4 | 2673.54395 | | | 6 |
| Height Summation: | | | 1813588 | | | | |
| Amount Avg CF: | | | 814.871992 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577896** ACF DF10 ATW40 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.44 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 12:57:46
Instrument : P 25--18274A
Result file : 25PCBS16207035.0020.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 128.91 | |
| 4.23 | 4.24 | 4.27 | 145453 | 457.768446 | | | 1 |
| + 4.58 | 4.59 | 4.62 | 18197.75 | 59.693894 | | | 2 |
| 4.58 | 4.60 | 4.62 | 84726.95 | 277.928953 | | | 2 |
| 4.64 | 4.65 | 4.68 | 308256.8 | 538.51152 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1097011 | 5906.34969 | | | 4 |
| 4.86 | 4.86 | 4.90 | 190542.3 | 523.379867 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 12176.17 | 33.445394 | | | 5 |
| 5.06 | 5.06 | 5.10 | 813171.1 | 2700.993806 | | | 6 |
| Height Summation: | | | **2639161.15** | | | | |
| Amount Avg CF: | | | **1734.15538** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.76 | |
| 4.76 | 4.77 | 4.80 | 1097011 | 2639.434493 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1560849 | 3470.689551 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1008550 | 3684.183542 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1329980 | 3882.92644 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3487790 | 4878.45893 | | | 5 |
| 5.84 | 5.85 | 5.88 | 1956972 | 4300.126801 | | | 6 |
| Height Summation: | | | **10441152** | | | | |
| Amount Avg CF: | | | **3892.636626** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.53 | |
| E 5.23 | 5.24 | 5.27 | 1008550 | 2057.86482 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1329980 | 3113.339622 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3487790 | 3580.385463 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 1956972 | 3508.843272 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 813353.1 | 2347.934001 | | | 6 |
| Height Summation: | | | **8596645.1** | | | | |
| Amount Avg CF: | | | **2921.673436** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 89.09 | |
| 5.84 | 5.85 | 5.88 | 1956972 | 1726.604532 | | | 1 |
| 6.03 | 6.03 | 6.07 | 38571.72 | 42.007586 | | | 3 |
| + 6.03 | 6.07 | 6.07 | 4643.768 | 5.057422 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 48658.67 | 191.177083 | | | 4 |
| 6.10 | 6.12 | 6.14 | 355065.8 | 1395.03287 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 813353.1 | 2067.378064 | | | 5 |
| + 6.28 | 6.32 | 6.32 | 85465.46 | 217.235807 | | | 5 |
| 6.48 | 6.48 | 6.52 | 203728.5 | 75.669846 | | | 6 |
| Height Summation: | | | **3367691.12** | | | | |
| Amount Avg CF: | | | **1061.338579** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 12:57:46
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0020.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 126.41 | |
| 4.15 | 4.16 | 4.19 | 169525 | 221.805902 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 286615.8 | 215.677099 | | | 2 |
| 4.21 | 4.23 | 4.25 | 731381.4 | 550.361209 | | | 2 |
| 4.30 | 4.31 | 4.34 | 2623226 | 4189.576483 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 290149.8 | 343.469524 | | | 4 |
| 4.37 | 4.40 | 4.41 | 677717.4 | 802.258947 | | | 4 |
| 4.43 | 4.44 | 4.47 | 3957852 | 7812.691352 | | | 5 |
| 4.58 | 4.59 | 4.62 | 466124 | 789.859989 | | | 6 |
| Height Summation: | | | **8625825.8** | | | | |
| Amount Avg CF: | | | **2394.425647** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.95 | |
| 4.29 | 4.31 | 4.33 | 2623226 | 2588.090616 | | | 1 |
| 4.43 | 4.44 | 4.47 | 3957852 | 3449.733674 | | | 2 |
| 4.53 | 4.54 | 4.57 | 2779577 | 2904.962173 | | | 3 |
| 4.88 | 4.89 | 4.92 | 2851232 | 3738.817368 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 386629.2 | 506.986442 | | | 4 |
| 5.07 | 5.08 | 5.11 | 7890784 | 4668.102785 | | | 5 |
| 5.33 | 5.34 | 5.37 | 4825474 | 4260.46115 | | | 6 |
| Height Summation: | | | **24928145** | | | | |
| Amount Avg CF: | | | **3601.694628** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.45 | |
| 4.69 | 4.70 | 4.73 | 2128298 | 1639.566115 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 2851232 | 2152.637457 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 386629.2 | 291.899255 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 7890784 | 3246.09431 | | | 3 |
| 5.28 | 5.29 | 5.32 | 1324850 | 1321.993627 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 4825474 | 2909.144743 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 1997436 | 2241.306128 | | | 6 |
| Height Summation: | | | **21018074** | | | | |
| Amount Avg CF: | | | **2251.790397** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.48 | |
| 5.29 | 5.29 | 5.33 | 1324850 | 444.370935 | | | 1 |
| 5.33 | 5.34 | 5.37 | 4825474 | 1672.032838 | | | 2 |
| 5.49 | 5.49 | 5.53 | 84085.6 | 33.248595 | | | 3 |
| 5.55 | 5.56 | 5.59 | 38295.05 | 63.057389 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 32538.89 | 53.579182 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 1997436 | 1952.518011 | | | 5 |
| 5.91 | 5.92 | 5.95 | 330948.8 | 39.341151 | | | 6 |
| + 5.91 | 5.94 | 5.95 | 165982.6 | 19.730987 | | | 6 |
| Height Summation: | | | **8601089.45** | | | | |
| Amount Avg CF: | | | **700.761487** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 488.5057 | 94.8276 | | ** 107.66 | 4 | 40 | |
| Aroclor-1221 | | | 488.5057 | 146.5517 | | ** 189.74 | 3 | 5 | |
| Aroclor-1232 | | | 488.5057 | 117.8161 | | ** 41.51 | 4 | 10 | |
| Aroclor-1242 | | | 488.5057 | 117.8161 | | ** 104.45 | 4 | 30 | |
| Aroclor-1248 | | | 488.5057 | 94.8276 | | ** 74.41 | 4 | 40 | |
| Aroclor-1254 | | | 488.5057 | 126.4368 | | 31.99 | 4 | 40 | |
| Aroclor-1260 | | | 488.5057 | 112.069 | | 7.76 | 4 | 40 | |
| Aroclor-1262 | | | 488.5057 | 94.8276 | E | 25.90 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577896** ACF DF10 ATW40 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.44 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 12:57:46 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0020.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 12:57:46 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0020.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 488.5057 | 94.8276 | E | ** 40.93 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577896ACF DF10 ACATW40 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:57:46 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: 25pcbs16207035.0020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.005 | | 1087 | 436 |
| 2.036 | | 6276 | 6524 |
| 2.087 | | 7763 | 8974 |
| 2.129 | | 12968 | 11180 |
| 2.178 | | 3941 | 2767 |
| 2.196 | | 43849 | 28611 |
| 2.282 | | 3228 | 1969 |
| 2.308 | | 11262 | 9094 |
| 2.381 | | 9687 | 9347 |
| 2.405 | | 1945 | 1384 |
| 2.488 | | 2677 | 4522 |
| 2.569 | | 1635 | 2537 |
| 2.647 | | 41503 | 41934 |
| 2.703 | | 1716 | 2297 |
| 2.755 | | 34604 | 77819 |
| 2.925 | TCX | 443409 | 306456 |
| 3.038 | | 7913 | 5018 |
| 3.174 | | 2682 | 2410 |
| 3.197 | | 3128 | 1625 |
| 3.232 | | 354494 | 268794 |
| 3.32 | | 1866 | 1434 |
| 3.352 | | 871 | 897 |
| 3.399 | | 83098 | 188730 |
| 3.513 | | 3375 | 2272 |
| 3.563 | | 1936 | 1439 |
| 3.593 | | 6481 | 4256 |
| 3.673 | | 1602 | 892 |
| 3.7 | | 3932 | 3072 |
| 3.738 | | 11401 | 9726 |
| 3.793 | | 6678 | 5340 |
| 3.822 | | 2714 | 2630 |
| 3.862 | | 12742 | 9216 |
| 3.897 | | 23595 | 21755 |
| 3.927 | | 3394 | 3593 |
| 3.965 | | 1262 | 703 |
| 3.987 | | 9607 | 6566 |
| 4.011 | | 2519 | 1690 |
| 4.042 | | 5639 | 3809 |
| 4.068 | | 18214 | 22661 |
| 4.118 | | 4141 | 3494 |
| 4.149 | | 4129 | 2778 |
| 4.202 | | 16547 | 13511 |
| 4.237 | | 145453 | 142820 |
| 4.282 | | 28479 | 21285 |
| 4.311 | | 1430 | 929 |
| 4.349 | | 44728 | 37325 |
| 4.392 | | 200151 | 194311 |
| 4.426 | | 54431 | 41754 |
| 4.466 | | 4890 | 3365 |
| 4.49 | | 11982 | 9378 |
| 4.531 | | 87158 | 91813 |
| 4.587 | | 18198 | 16352 |
| 4.601 | | 84727 | 68597 |
| 4.647 | | 308257 | 282163 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.693 | | 420657 | 500197 |
| 4.731 | | 122511 | 91121 |
| 4.769 | | 1097011 | 1027876 |
| 4.818 | | 17142 | 20347 |
| 4.861 | | 190542 | 216542 |
| 4.891 | | 12176 | 7308 |
| 4.917 | | 266443 | 251580 |
| 4.97 | | 1560849 | 1902346 |
| 5.019 | | 269022 | 248708 |
| 5.063 | | 813171 | 863974 |
| 5.105 | | 22982 | 14883 |
| 5.143 | | 175121 | 217118 |
| 5.179 | | 2087272 | 2201474 |
| 5.241 | | 1008550 | 916636 |
| 5.284 | | 674202 | 684124 |
| 5.337 | | 2671 | 1961 |
| 5.406 | | 1329980 | 1815581 |
| 5.464 | | 632967 | 601944 |
| 5.505 | | 348502 | 324686 |
| 5.544 | | 75283 | 71240 |
| 5.589 | | 387038 | 369064 |
| 5.618 | | 19519 | 10692 |
| 5.646 | | 3487790 | 3560306 |
| 5.734 | | 8649 | 8525 |
| 5.767 | | 4126 | 2867 |
| 5.788 | | 3177 | 2237 |
| 5.853 | | 1956972 | 2012504 |
| 5.891 | | 498047 | 989554 |
| 6.035 | | 38572 | 57046 |
| 6.07 | | 4644 | 3114 |
| 6.102 | | 48659 | 37958 |
| 6.125 | | 355066 | 329652 |
| 6.188 | | 19440 | 16066 |
| 6.206 | | 7392 | 4665 |
| 6.25 | | 38787 | 34303 |
| 6.282 | | 813353 | 828540 |
| 6.318 | | 85465 | 115439 |
| 6.379 | | 11672 | 9535 |
| 6.424 | | 19957 | 20542 |
| 6.484 | | 203729 | 354360 |
| 6.547 | | 5812 | 7408 |
| 6.605 | | 30629 | 24511 |
| 6.63 | DCB | 345641 | 337131 |
| 6.668 | | 28683 | 32603 |
| 6.707 | | 6413 | 5504 |
| 6.734 | | 7897 | 7977 |
| 6.775 | | 19122 | 17566 |
| 6.796 | | 7957 | 5247 |
| 6.839 | | 11186 | 10902 |
| 6.885 | | 18151 | 24775 |
| 6.938 | | 67211 | 78968 |
| 6.984 | | 19172 | 19398 |

LANCASTER LABORATORIES

Sample Number: 8577896ACF DF10 ACATW40 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:57:46 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: 25pcbs16207035B.0020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

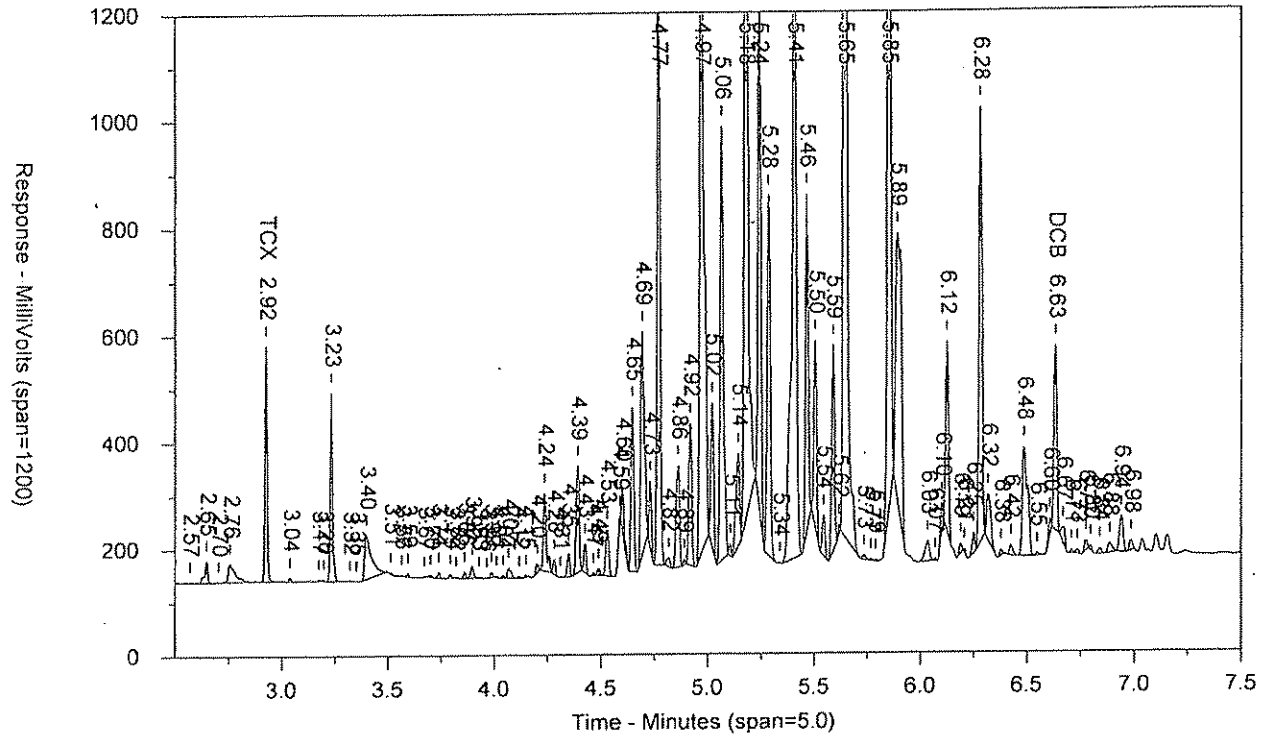
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.026 | | 3870 | 5697 |
| 2.101 | | 12296 | 17208 |
| 2.146 | | 9355 | 6319 |
| 2.217 | | 3807 | 3505 |
| 2.268 | | 1728 | 1790 |
| 2.296 | | 3782 | 3599 |
| 2.349 | | 60330 | 48307 |
| 2.459 | | 3687 | 2411 |
| 2.515 | | 3118 | 8146 |
| 2.578 | | 2631 | 2699 |
| 2.599 | TCX | 749992 | 444959 |
| 2.701 | | 5419 | 11096 |
| 2.753 | | 2046 | 3939 |
| 2.77 | | 11346 | 6024 |
| 2.794 | | 1447 | 838 |
| 2.831 | | 1092 | 906 |
| 2.865 | | 2316 | 1393 |
| 2.905 | | 619007 | 388774 |
| 2.996 | | 5750 | 10453 |
| 3.042 | | 11140 | 8827 |
| 3.091 | | 13588 | 19529 |
| 3.165 | | 1884 | 811 |
| 3.187 | | 8127 | 4885 |
| 3.213 | | 6903 | 10127 |
| 3.248 | | 15996 | 11111 |
| 3.294 | | 4017 | 6460 |
| 3.359 | | 7783 | 9093 |
| 3.41 | | 11253 | 15432 |
| 3.479 | | 14434 | 14263 |
| 3.513 | | 22270 | 12317 |
| 3.536 | | 45461 | 28948 |
| 3.571 | | 9349 | 11670 |
| 3.611 | | 4310 | 2088 |
| 3.64 | | 22827 | 18238 |
| 3.662 | | 8873 | 4702 |
| 3.683 | | 11669 | 7869 |
| 3.712 | | 28816 | 15944 |
| 3.729 | | 13257 | 7169 |
| 3.765 | | 9700 | 8209 |
| 3.813 | | 23827 | 21985 |
| 3.841 | | 9985 | 6592 |
| 3.859 | | 322945 | 204245 |
| 3.884 | | 38879 | 22092 |
| 3.904 | | 16319 | 8246 |
| 3.923 | | 101906 | 64617 |
| 3.958 | | 413494 | 271937 |
| 3.989 | | 111959 | 66832 |
| 4.006 | | 32611 | 15860 |
| 4.067 | | 20063 | 23219 |
| 4.1 | | 112470 | 120270 |
| 4.129 | | 26112 | 20746 |
| 4.157 | | 169525 | 113257 |
| 4.199 | | 208607 | 146573 |
| 4.216 | | 286616 | 139897 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.23 | | 731381 | 381282 |
| 4.255 | | 416689 | 411442 |
| 4.307 | | 2623226 | 1952360 |
| 4.345 | | 58098 | 65411 |
| 4.375 | | 290150 | 185436 |
| 4.4 | | 677717 | 496754 |
| 4.442 | | 3957852 | 2839293 |
| 4.497 | | 12734 | 8507 |
| 4.543 | | 2779577 | 2510576 |
| 4.594 | | 466124 | 400117 |
| 4.633 | | 925603 | 761937 |
| 4.669 | | 4425668 | 3564140 |
| 4.701 | | 2128299 | 1511193 |
| 4.739 | | 1507502 | 1160729 |
| 4.796 | | 13509 | 14020 |
| 4.837 | | 447775 | 465374 |
| 4.887 | | 2851232 | 2142566 |
| 4.911 | | 386629 | 244846 |
| 4.961 | | 1649648 | 1360820 |
| 4.996 | | 789715 | 618373 |
| 5.026 | | 614724 | 473903 |
| 5.058 | | 132798 | 81979 |
| 5.08 | | 7890784 | 6493919 |
| 5.121 | | 149097 | 106295 |
| 5.153 | | 208679 | 169392 |
| 5.197 | | 9859 | 8086 |
| 5.217 | | 10365 | 6189 |
| 5.252 | | 3406 | 2954 |
| 5.27 | | 65337 | 38490 |
| 5.294 | | 1324850 | 1058024 |
| 5.337 | | 4825474 | 5065806 |
| 5.399 | | 15875 | 12852 |
| 5.443 | | 3381 | 2984 |
| 5.493 | | 84086 | 73023 |
| 5.539 | | 139780 | 119601 |
| 5.561 | | 38295 | 23940 |
| 5.583 | | 32539 | 19619 |
| 5.61 | | 851249 | 691159 |
| 5.649 | | 58780 | 53686 |
| 5.69 | | 71550 | 50583 |
| 5.717 | | 1997436 | 1599647 |
| 5.749 | | 73284 | 43592 |
| 5.767 | | 136827 | 90871 |
| 5.793 | | 29372 | 21525 |
| 5.838 | | 11214 | 7624 |
| 5.857 | | 43710 | 36514 |
| 5.897 | | 19201 | 11052 |
| 5.916 | | 330949 | 258195 |
| 5.94 | | 165983 | 113598 |
| 5.985 | | 1710 | 1366 |
| 6.007 | | 15515 | 10770 |
| 6.038 | | 189334 | 172561 |
| 6.075 | DCB | 635328 | 535979 |
| 6.111 | | 68216 | 51989 |
| 6.14 | | 4716 | 2702 |
| 6.185 | | 6529 | 10906 |
| 6.203 | | 30249 | 28095 |
| 6.25 | | 17100 | 12331 |
| 6.275 | | 80849 | 66546 |
| 6.311 | | 19624 | 13709 |
| 6.355 | | 82672 | 125562 |
| 6.413 | | 46732 | 36504 |
| 6.439 | | 40165 | 42125 |
| 6.494 | | 73298 | 64840 |
| 6.553 | | 60193 | 63712 |
| 6.588 | | 4489 | 2918 |

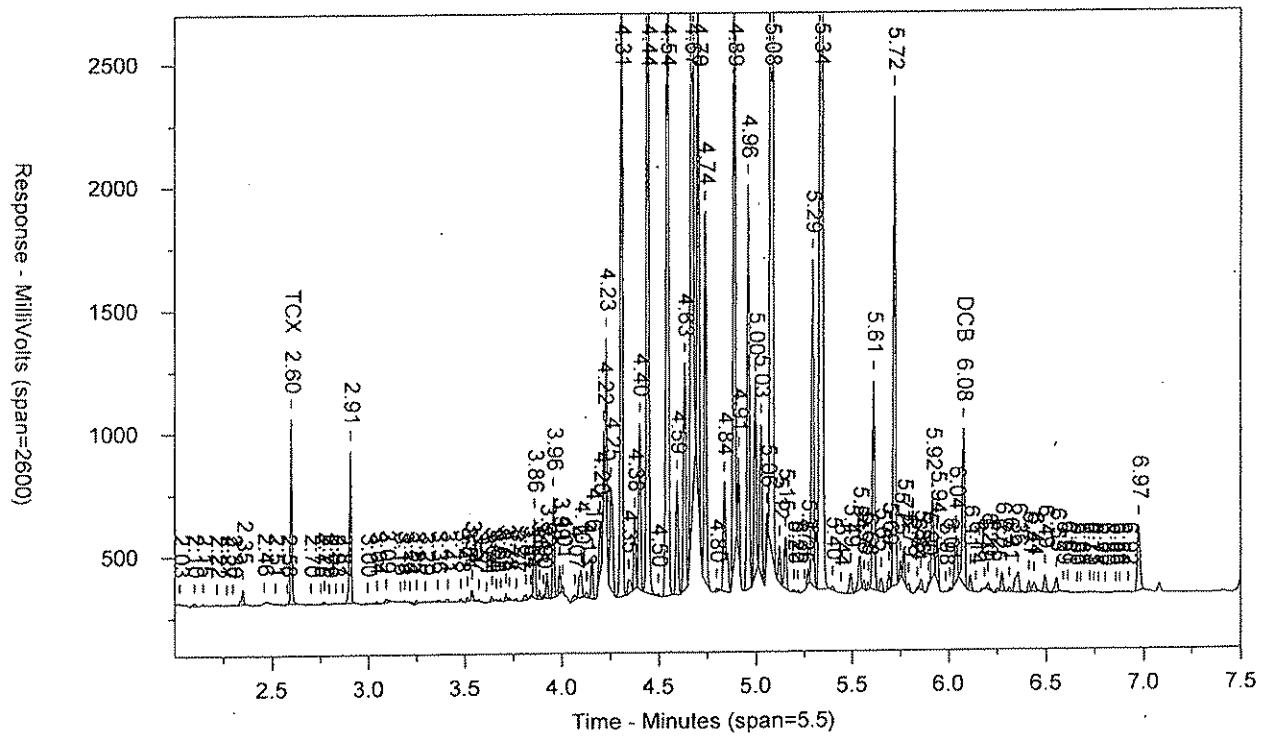
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.611 | | 8477 | 5927 |
| 6.659 | | 2120 | 3134 |
| 6.678 | | 2557 | 3448 |
| 6.725 | | 4962 | 3324 |
| 6.747 | | 2309 | 1465 |
| 6.771 | | 2894 | 2364 |
| 6.804 | | 2073 | 2560 |
| 6.856 | | 2311 | 2482 |
| 6.878 | | 1639 | 1134 |
| 6.921 | | 2988 | 1972 |
| 6.974 | | 268112 | 259488 |

8577896ACF DF10 ACATW40 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0020.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0020.RAW



LANCASTER LABORATORIES

Sample Number: 8577896ACF DF10 ACATW40 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 12:57:46 PM
Sample Weight: 10.44
Dilution Factor: 100
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

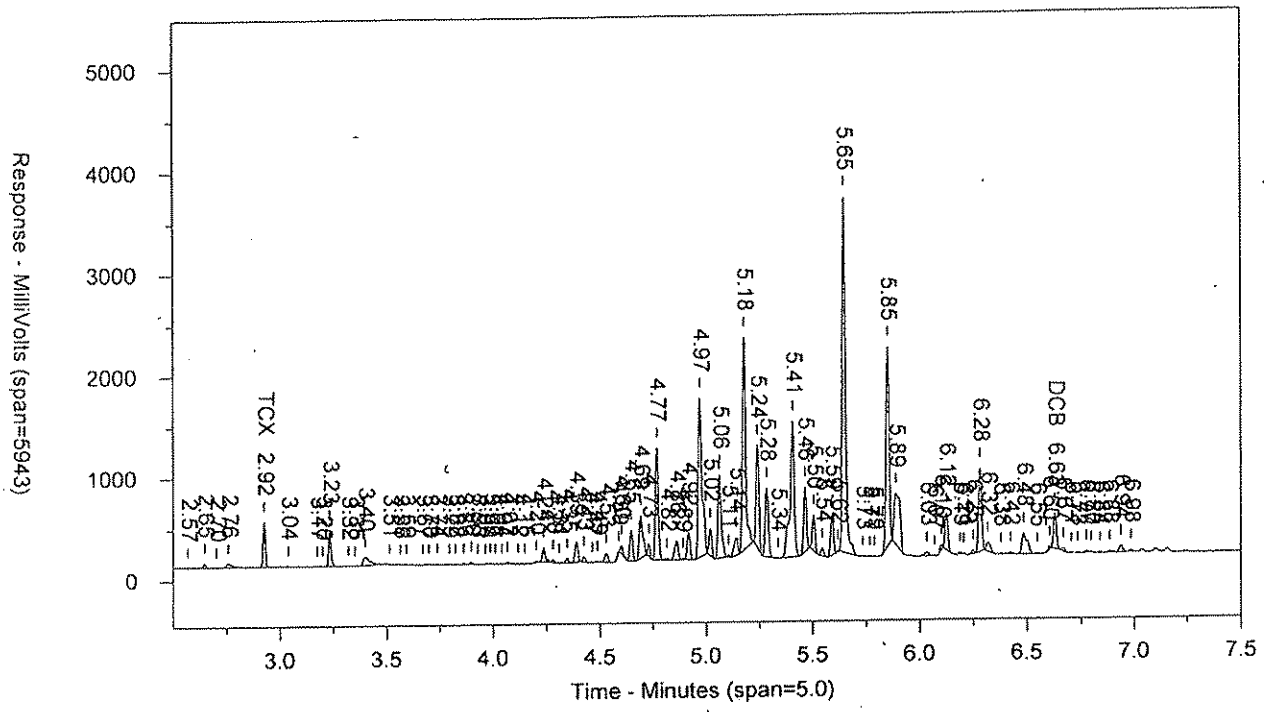
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 443409 | 31.392 | TCX | 2.599 | 749992 | 29.249 | TCX |
| 6.63 | 345641 | 49.53 | DCB | 6.075 | 635328 | 31.989 | DCB |

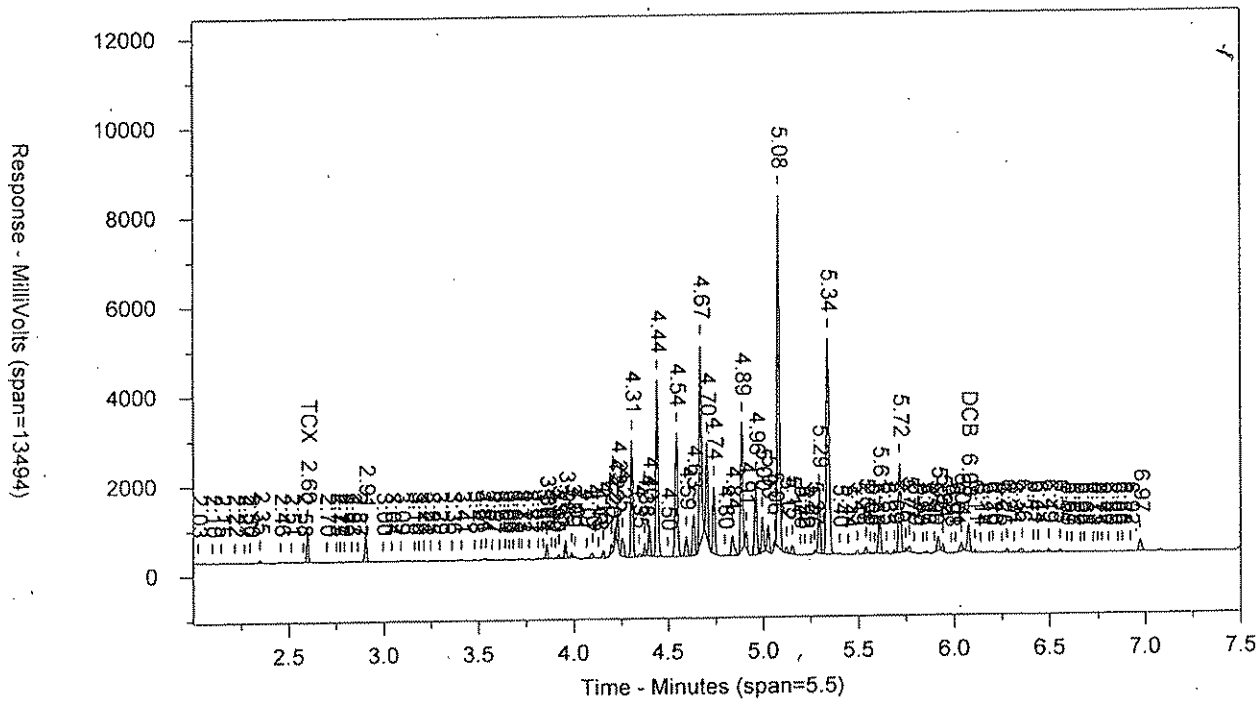
Files:
Area File: 25pcbs16207035.0020.RAW
Area File: 25pcbs16207035B.0020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 1:06:16 PM
File Reported On: 9/15/2016 at 1:06:25 PM

8577896ACF DF10 ACATW40 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0020.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0020.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577897** ACF DF20 ATW41 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.45 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:09:05 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0021.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 118% ( 46 - 148 ) Conc: 32.90816
%SSR(DCB) * 217% ( 49 - 139 ) Conc: 60.83266

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:09:05 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0021.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 104% ( 46 - 148 ) Conc: 29.0528
%SSR(DCB) 122% ( 49 - 139 ) Conc: 34.30483

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.27** | |
| 4.76 | 4.77 | 4.80 | 2068263 | 9943.055698 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2919108 | 12969.380886 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1814501 | 13243.880097 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2424242 | 14141.784924 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6485782 | 18126.288 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3556132 | 17428.506593 | | | 6 |

Height summation: **19268028**
Concentration CF: **14308.816033** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **23.11** | |
| 4.29 | 4.31 | 4.33 | 5202360 | 10255.536285 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7398449 | 12884.895663 | | | 2 |
| 4.53 | 4.54 | 4.57 | 5328274 | 11126.601291 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5321456 | 13942.683674 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15989580 | 18900.422602 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9039430 | 15946.738748 | | | 6 |

Height summation: **48279549**
Concentration CF: **13842.813044** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <976.0765 | <189.4737 | | | 4 | |
| ☑ PCB-1221 | | | <976.0765 | <292.823 | | | 3 | |
| ☑ PCB-1232 | | | <976.0765 | <235.4067 | | | 4 | |
| ☑ PCB-1242 | | | <976.0765 | <235.4067 | | | 4 | |
| ☑ PCB-1248 | | | <976.0765 | <189.4737 | | | 4 | |
| ☑ PCB-1254 | | | <976.0765 | <252.6316 | | | 4 | |
| ☑ PCB-1260 | A | 14308.816033 | 976.0765 | 223.9234 | | 3.31 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 232633 | 32.90816 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 372842 | 29.0528 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 212461 | 60.83266 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 340987 | 34.30483 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 32.90816 | | | | 12.44 | |
| ☑ Decachlorobiphenyl | A | 60.83266 | | | P | 55.77 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577897** ACF DF20 ATW41 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.45 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:09:05
Instrument : P 25--18274A
Result file : 25PCBS16207035.0021.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 118% (46-148) Conc.: 32.90816
%SSR(DCB) : *217% (49-139) Conc.: 60.83266

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 122.22 | |
| 3.17 | 3.18 | 3.21 | 4116.718 | 34.412781 | | | 1 |
| 3.39 | 3.40 | 3.43 | 51949.5 | 441.76745 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4156.54 | 29.090369 | | | 3 |
| + 3.51 | 3.54 | 3.55 | 778.6131 | 5.449278 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16227.84 | 100.1839 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9777.554 | 70.88246 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9745.335 | 91.584498 | | | 6 |
| Height Summation: | | | 95973.487 | | | | |
| Amount Avg CF: | | | 127.98691 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 3.81 | |
| 3.07 | 3.08 | 3.11 | 1453.117 | 23.689677 | | | 1 |
| 3.17 | 3.18 | 3.21 | 4116.718 | 25.003169 | | | 3 |
| Height Summation: | | | 5569.835 | | | | |
| Amount Avg CF: | | | 24.346423 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 124.75 | |
| 3.17 | 3.18 | 3.21 | 4116.718 | 25.741012 | | | 1 |
| 3.39 | 3.40 | 3.43 | 51949.5 | 795.087369 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4156.54 | 52.188035 | | | 3 |
| + 3.51 | 3.54 | 3.55 | 778.6131 | 9.775989 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16227.84 | 183.066568 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9777.554 | 131.127592 | | | 5 |
| 3.99 | 3.99 | 4.02 | 9745.335 | 184.547238 | | | 6 |
| Height Summation: | | | 95973.487 | | | | |
| Amount Avg CF: | | | 228.626302 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 123.37 | |
| 3.17 | 3.18 | 3.21 | 4116.718 | 47.090277 | | | 1 |
| 3.39 | 3.40 | 3.43 | 51949.5 | 630.776475 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4156.54 | 40.59315 | | | 3 |
| + 3.51 | 3.54 | 3.55 | 778.6131 | 7.604007 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16227.84 | 142.214755 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9777.554 | 99.272536 | | | 5 |
| 3.98 | 3.99 | 4.02 | 9745.335 | 129.267036 | | | 6 |
| Height Summation: | | | 95973.487 | | | | |
| Amount Avg CF: | | | 181.535705 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 196.28 | |
| 3.79 | 3.79 | 3.83 | 9777.554 | 125.096829 | | | 1 |
| 3.85 | 3.86 | 3.89 | 17251.41 | 130.642328 | | | 2 |
| 3.98 | 3.99 | 4.02 | 9745.335 | 64.685011 | | | 3 |
| + 4.25 | 4.26 | 4.29 | 19724.12 | 152.269117 | | | 5 |
| 4.25 | 4.28 | 4.29 | 35599.86 | 274.828954 | | | 5 |
| 4.64 | 4.65 | 4.68 | 517261.4 | 5470.863467 | | | 6 |
| Height Summation: | | | 589635.559 | | | | |
| Amount Avg CF: | | | 1213.223318 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 131.69 | |
| 4.23 | 4.24 | 4.27 | 237441.5 | 1493.117554 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 19724.12 | 124.032361 | | | 1 |
| 4.58 | 4.60 | 4.62 | 275083.9 | 1802.982845 | | | 2 |
| 4.64 | 4.65 | 4.68 | 517261.4 | 1805.537893 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 2068263 | 22249.903945 | | | 4 |
| 4.86 | 4.86 | 4.90 | 276279.6 | 1516.312209 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 24018.39 | 131.820728 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1388195 | 9213.111614 | | | 6 |
| Height Summation: | | | 4762524.4 | | | | |
| Amount Avg CF: | | | 6346.827677 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:09:05
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0021.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (46-148) Conc.: 29.0528
%SSR(DCB) : 122% (49-139) Conc.: 34.30483

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 208.84 | |
| 2.87 | 2.91 | 2.91 | 515560 | 2450.463755 | | | 1 |
| 3.19 | 3.21 | 3.23 | 9052.674 | 34.762012 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16925.21 | 60.795378 | | | 3 |
| 3.46 | 3.48 | 3.50 | 23257.46 | 81.286606 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25974.89 | 106.82377 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12884.33 | 52.987816 | | | 5 |
| 3.72 | 3.73 | 3.76 | 12570.22 | 60.171996 | | | 6 |
| Height Summation: | | | 603340.454 | | | | |
| Amount Avg CF: | | | 465.717253 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 155.44 | |
| 2.75 | 2.77 | 2.79 | 12717.76 | 108.32218 | | | 1 |
| 2.81 | 2.85 | 2.85 | 1389.456 | 18.571969 | | | 2 |
| 2.87 | 2.91 | 2.91 | 515560 | 1710.620764 | | | 3 |
| Height Summation: | | | 529667.216 | | | | |
| Amount Avg CF: | | | 612.504971 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 163.26 | |
| 2.87 | 2.91 | 2.91 | 515560 | 1746.704437 | | | 1 |
| 3.20 | 3.21 | 3.24 | 9052.674 | 64.22501 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16925.21 | 112.65181 | | | 3 |
| 3.47 | 3.48 | 3.51 | 23257.46 | 157.775307 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25974.89 | 225.17363 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12884.33 | 111.692922 | | | 5 |
| 3.72 | 3.73 | 3.76 | 12570.22 | 118.650036 | | | 6 |
| Height Summation: | | | 603340.454 | | | | |
| Amount Avg CF: | | | 404.196705 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 208.01 | |
| 2.87 | 2.91 | 2.91 | 515560 | 3325.797993 | | | 1 |
| 3.20 | 3.21 | 3.24 | 9052.674 | 47.180944 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16925.21 | 83.619108 | | | 3 |
| 3.47 | 3.48 | 3.51 | 23257.46 | 118.687283 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25974.89 | 147.556613 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12884.33 | 73.192537 | | | 5 |
| 3.72 | 3.73 | 3.76 | 12570.22 | 81.959566 | | | 6 |
| Height Summation: | | | 603340.454 | | | | |
| Amount Avg CF: | | | 634.133584 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 140.68 | |
| + 3.50 | 3.51 | 3.54 | 31268.36 | 111.72445 | | | 1 |
| 3.50 | 3.54 | 3.54 | 72876.48 | 260.393721 | | | 1 |
| 3.63 | 3.64 | 3.67 | 25974.89 | 76.760225 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 12884.33 | 38.07539 | | | 2 |
| 3.72 | 3.73 | 3.76 | 12570.22 | 50.900924 | | | 3 |
| 3.85 | 3.86 | 3.89 | 555525.1 | 1183.573302 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 39504.45 | 84.166156 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 451350.2 | 2132.466578 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1334619 | 6305.592447 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 382529 | 3015.207889 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1264945 | 9970.674494 | | | 6 |
| Height Summation: | | | 3266510.69 | | | | |
| Amount Avg CF: | | | 2974.649186 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577897** ACF DF20 ATW41 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.45 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:09:05
Instrument : P 25--18274A
Result file : 25PCBS16207035.0021.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 21.27 | |
| 4.76 | 4.77 | 4.80 | 2068263 | 9943.055698 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2919108 | 12969.380886 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1814501 | 13243.880097 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2424242 | 14141.784924 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6485782 | 18126.288 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3556132 | 17428.506593 | | | 6 |
| Height Summation: | | | 19268028 | | | | |
| Amount Avg CF: | | | 14308.816033 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 24.27 | |
| E 5.23 | 5.24 | 5.27 | 1814501 | 7397.599665 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2424242 | 11338.916666 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 6485782 | 13303.19656 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3556132 | 12740.058887 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1484583 | 8562.990174 | | | 6 |
| Height Summation: | | | 15765240 | | | | |
| Amount Avg CF: | | | 10668.55239 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.76 | |
| E 5.84 | 5.85 | 5.88 | 3556132 | 6269.029905 | | | 1 |
| 6.03 | 6.04 | 6.07 | 64051.2 | 139.379915 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 91432.33 | 717.777084 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 596128 | 4679.821869 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1484583 | 7539.793725 | | | 5 |
| 6.48 | 6.49 | 6.52 | 323685.7 | 240.219788 | | | 6 |
| Height Summation: | | | 6024579.9 | | | | |
| Amount Avg CF: | | | 3773.64904 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:09:05
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0021.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.63 | |
| 4.15 | 4.16 | 4.19 | 267497.5 | 699.315697 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 451350.2 | 678.627958 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1334619 | 2006.667477 | | | 2 |
| 4.30 | 4.31 | 4.34 | 5202360 | 16601.564638 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 382529 | 904.783146 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1264945 | 2991.932419 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 7398449 | 29180.720145 | | | 5 |
| 4.58 | 4.60 | 4.62 | 754250.6 | 2553.750816 | | | 6 |
| Height Summation: | | | 16222121.1 | | | | |
| Amount Avg CF: | | | 9005.658532 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 23.11 | |
| 4.29 | 4.31 | 4.33 | 5202360 | 10255.536285 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7398449 | 12884.895663 | | | 2 |
| 4.53 | 4.54 | 4.57 | 5328274 | 11126.601291 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5321456 | 13942.683674 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 676649.7 | 1772.881844 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15989580 | 18900.422602 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9039430 | 15946.738748 | | | 6 |
| Height Summation: | | | 48279549 | | | | |
| Amount Avg CF: | | | 13842.813044 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 35.53 | |
| E 4.69 | 4.70 | 4.73 | 4083787 | 6285.991412 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 5321456 | 8027.549937 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 676649.7 | 1020.743055 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 15989580 | 13142.931314 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2377043 | 4739.296646 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 9039430 | 10888.814513 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3753566 | 8415.628699 | | | 6 |
| Height Summation: | | | 40564862 | | | | |
| Amount Avg CF: | | | 8583.368754 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.54 | |
| 5.29 | 5.30 | 5.33 | 2377043 | 1593.052827 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 9039430 | 6258.353242 | | | 2 |
| 5.49 | 5.49 | 5.53 | 135972.9 | 107.428184 | | | 3 |
| 5.55 | 5.56 | 5.59 | 68611.39 | 225.737529 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 32085.61 | 105.564489 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3753566 | 7331.290628 | | | 5 |
| 5.91 | 5.92 | 5.95 | 649584.4 | 154.289383 | | | 6 |
| + 5.91 | 5.94 | 5.95 | 88394.52 | 20.995479 | | | 6 |
| Height Summation: | | | 16024207.69 | | | | |
| Amount Avg CF: | | | 2611.691965 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 976.0765 | 189.4737 | | ** 113.77 | 4 | 40 | |
| Aroclor-1221 | | | 976.0765 | 292.823 | | ** 184.71 | 3 | 5 | |
| Aroclor-1232 | | | 976.0765 | 235.4067 | | ** 55.49 | 4 | 10 | |
| Aroclor-1242 | | | 976.0765 | 235.4067 | | ** 110.98 | 4 | 30 | |
| Aroclor-1248 | | | 976.0765 | 189.4737 | | ** 84.12 | 4 | 40 | |
| Aroclor-1254 | | | 976.0765 | 252.6316 | E | 34.64 | 4 | 40 | |
| Aroclor-1260 | | | 976.0765 | 223.9234 | | 3.31 | 4 | 40 | |
| Aroclor-1262 | | | 976.0765 | 189.4737 | E | 21.66 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577897** ACF DF20 ATW41 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.45 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 13:09:05 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0021.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 13:09:05 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0021.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 976.0765 | 189.4737 | E | 36.39 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577897ACF DF20 ACATW41 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:09:05 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: 25pcbs16207035.0021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.004 | | 1228 | 631 |
| 2.037 | | 11276 | 10578 |
| 2.09 | | 8426 | 10709 |
| 2.13 | | 6823 | 7140 |
| 2.197 | | 91469 | 73859 |
| 2.282 | | 3841 | 2360 |
| 2.308 | | 8745 | 7203 |
| 2.382 | | 11608 | 10577 |
| 2.49 | | 2341 | 2388 |
| 2.567 | | 1697 | 2521 |
| 2.627 | | 9059 | 4957 |
| 2.648 | | 60281 | 37389 |
| 2.706 | | 1535 | 2195 |
| 2.757 | | 18335 | 40931 |
| 2.925 | TCX | 232633 | 161414 |
| 3.012 | | 1204 | 776 |
| 3.039 | | 8725 | 5662 |
| 3.08 | | 1453 | 2223 |
| 3.183 | | 4117 | 5921 |
| 3.232 | | 281712 | 244851 |
| 3.298 | | 1318 | 795 |
| 3.32 | | 2386 | 1907 |
| 3.361 | | 794 | 800 |
| 3.4 | | 51950 | 95517 |
| 3.472 | | 1824 | 977 |
| 3.496 | | 3502 | 1732 |
| 3.516 | | 4157 | 2846 |
| 3.544 | | 779 | 602 |
| 3.593 | | 10549 | 6818 |
| 3.628 | | 2250 | 2641 |
| 3.674 | | 3172 | 1745 |
| 3.705 | | 8734 | 9347 |
| 3.739 | | 16228 | 13491 |
| 3.794 | | 9778 | 8420 |
| 3.863 | | 17251 | 12787 |
| 3.898 | | 39142 | 33556 |
| 3.928 | | 5567 | 6199 |
| 3.967 | | 2350 | 1531 |
| 3.989 | | 9745 | 6617 |
| 4.043 | | 7480 | 4990 |
| 4.069 | | 28027 | 33519 |
| 4.119 | | 4595 | 3666 |
| 4.149 | | 8353 | 9424 |
| 4.202 | | 20341 | 15707 |
| 4.238 | | 237442 | 193349 |
| 4.259 | | 19724 | 9766 |
| 4.283 | | 35600 | 26439 |
| 4.35 | | 80514 | 67053 |
| 4.393 | | 347045 | 328616 |
| 4.427 | | 78480 | 63364 |
| 4.466 | | 8567 | 6238 |
| 4.49 | | 18669 | 13843 |
| 4.531 | | 138002 | 145352 |
| 4.601 | | 275084 | 439058 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.648 | | 517261 | 464153 |
| 4.693 | | 756306 | 895850 |
| 4.731 | | 206708 | 158054 |
| 4.77 | | 2068263 | 1897616 |
| 4.812 | | 24228 | 31897 |
| 4.861 | | 276280 | 318213 |
| 4.892 | | 24018 | 14037 |
| 4.918 | | 464751 | 431885 |
| 4.971 | | 2919108 | 3518845 |
| 5.021 | | 470507 | 424063 |
| 5.065 | | 1388195 | 1555696 |
| 5.107 | | 34981 | 21268 |
| 5.143 | | 306158 | 362623 |
| 5.18 | | 3759094 | 4060646 |
| 5.243 | | 1814501 | 1639790 |
| 5.285 | | 1244630 | 1213623 |
| 5.337 | | 5519 | 4338 |
| 5.407 | | 2424242 | 3234838 |
| 5.466 | | 1106295 | 1033802 |
| 5.505 | | 612507 | 554135 |
| 5.545 | | 124886 | 120072 |
| 5.591 | | 685883 | 625125 |
| 5.619 | | 31780 | 18298 |
| 5.647 | | 6485782 | 6492746 |
| 5.735 | | 13003 | 12680 |
| 5.768 | | 5591 | 3037 |
| 5.79 | | 7579 | 5149 |
| 5.854 | | 3556132 | 3633915 |
| 5.892 | | 874599 | 1732861 |
| 6.037 | | 64051 | 100604 |
| 6.102 | | 91432 | 66185 |
| 6.127 | | 596128 | 559695 |
| 6.19 | | 19970 | 28802 |
| 6.251 | | 26095 | 23429 |
| 6.284 | | 1484583 | 1490039 |
| 6.328 | | 100010 | 121297 |
| 6.379 | | 14993 | 11966 |
| 6.399 | | 5973 | 3246 |
| 6.425 | | 26941 | 26949 |
| 6.485 | | 323686 | 427307 |
| 6.559 | | 8187 | 11203 |
| 6.607 | | 23811 | 18703 |
| 6.633 | DCB | 212461 | 204248 |
| 6.67 | | 25958 | 31231 |
| 6.709 | | 8860 | 7935 |
| 6.735 | | 10340 | 10216 |
| 6.778 | | 24456 | 38988 |
| 6.842 | | 10417 | 9943 |
| 6.887 | | 15722 | 22188 |
| 6.94 | | 48597 | 57564 |
| 6.987 | | 11840 | 11337 |

LANCASTER LABORATORIES

Sample Number: 8577897ACF DF20 ACATW41 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:09:05 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: 25pcbs16207035B.0021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

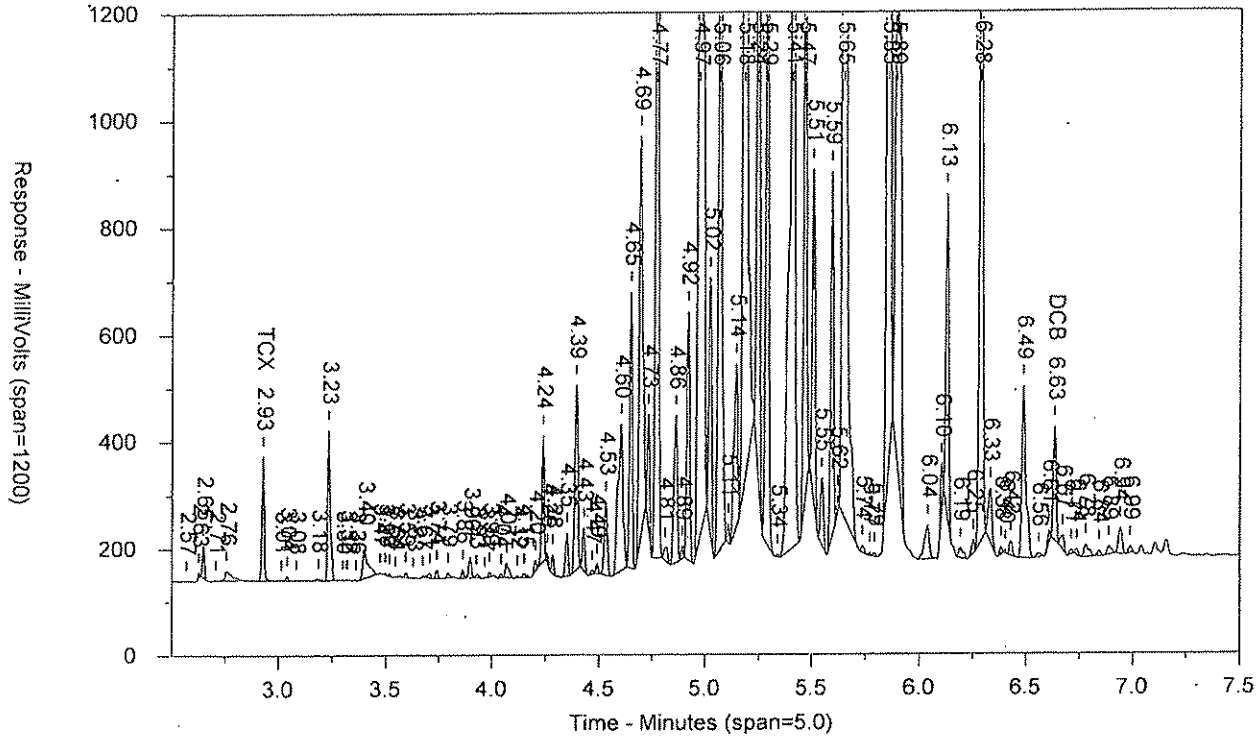
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.026 | | 3198 | 4805 |
| 2.099 | | 10438 | 13987 |
| 2.145 | | 13316 | 8885 |
| 2.217 | | 4054 | 5511 |
| 2.268 | | 2413 | 2164 |
| 2.296 | | 7680 | 7500 |
| 2.349 | | 102686 | 86484 |
| 2.418 | | 940 | 417 |
| 2.477 | | 7361 | 11859 |
| 2.576 | | 2406 | 2109 |
| 2.599 | TCX | 372842 | 221751 |
| 2.661 | | 2630 | 1321 |
| 2.697 | | 5022 | 9346 |
| 2.753 | | 2204 | 3304 |
| 2.77 | | 12718 | 6555 |
| 2.797 | | 1610 | 1280 |
| 2.849 | | 1389 | 1511 |
| 2.905 | | 515560 | 352668 |
| 2.996 | | 3850 | 4862 |
| 3.042 | | 19855 | 12592 |
| 3.091 | | 8978 | 6077 |
| 3.111 | | 7213 | 3504 |
| 3.132 | | 3585 | 1722 |
| 3.163 | | 3163 | 1658 |
| 3.187 | | 11252 | 7001 |
| 3.213 | | 9053 | 11501 |
| 3.248 | | 22605 | 15135 |
| 3.295 | | 3412 | 3246 |
| 3.339 | | 2171 | 1309 |
| 3.368 | | 15521 | 15007 |
| 3.411 | | 16925 | 17912 |
| 3.478 | | 23257 | 21350 |
| 3.513 | | 31268 | 17621 |
| 3.537 | | 72876 | 46094 |
| 3.571 | | 14416 | 13845 |
| 3.609 | | 2814 | 1459 |
| 3.64 | | 25975 | 19573 |
| 3.662 | | 12884 | 7256 |
| 3.684 | | 14428 | 9628 |
| 3.712 | | 48922 | 26926 |
| 3.73 | | 12570 | 7424 |
| 3.766 | | 14818 | 12206 |
| 3.814 | | 40240 | 39128 |
| 3.842 | | 8926 | 6033 |
| 3.859 | | 555525 | 354640 |
| 3.885 | | 39504 | 22007 |
| 3.904 | | 28337 | 14096 |
| 3.924 | | 164136 | 105562 |
| 3.958 | | 753515 | 493075 |
| 3.99 | | 163688 | 96482 |
| 4.007 | | 60799 | 30748 |
| 4.067 | | 28934 | 28461 |
| 4.1 | | 179898 | 193769 |
| 4.13 | | 55820 | 42630 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.157 | | 267498 | 175608 |
| 4.199 | | 390346 | 262633 |
| 4.217 | | 451350 | 230387 |
| 4.23 | | 1334619 | 723638 |
| 4.256 | | 803652 | 754875 |
| 4.307 | | 5202360 | 3663845 |
| 4.354 | | 90653 | 109876 |
| 4.376 | | 382529 | 241267 |
| 4.401 | | 1264945 | 896254 |
| 4.442 | | 7398449 | 5359881 |
| 4.497 | | 21459 | 14678 |
| 4.544 | | 5328275 | 4789649 |
| 4.595 | | 754251 | 633026 |
| 4.634 | | 1633773 | 1357545 |
| 4.67 | | 8388708 | 6635093 |
| 4.703 | | 4083787 | 2794609 |
| 4.74 | | 2819614 | 2168507 |
| 4.797 | | 14467 | 7313 |
| 4.811 | | 8249 | 3886 |
| 4.838 | | 866926 | 866297 |
| 4.889 | | 5321456 | 4030123 |
| 4.912 | | 676650 | 420244 |
| 4.962 | | 2970453 | 2443179 |
| 4.997 | | 1453156 | 1107444 |
| 5.027 | | 1080962 | 853434 |
| 5.059 | | 257063 | 145530 |
| 5.081 | | 15989580 | 12088950 |
| 5.122 | | 261780 | 189009 |
| 5.153 | | 364975 | 294837 |
| 5.198 | | 13002 | 10056 |
| 5.218 | | 16429 | 10008 |
| 5.271 | | 115367 | 69300 |
| 5.295 | | 2377043 | 1895801 |
| 5.338 | | 9039430 | 9363493 |
| 5.4 | | 9813 | 7919 |
| 5.444 | | 4684 | 6112 |
| 5.493 | | 135973 | 115394 |
| 5.539 | | 259572 | 204820 |
| 5.562 | | 68611 | 41745 |
| 5.584 | | 32086 | 16965 |
| 5.611 | | 1500659 | 1224021 |
| 5.65 | | 35509 | 33417 |
| 5.691 | | 44307 | 29589 |
| 5.718 | | 3753566 | 2931839 |
| 5.749 | | 180093 | 173931 |
| 5.793 | | 45149 | 34880 |
| 5.839 | | 12020 | 8025 |
| 5.857 | | 56678 | 43080 |
| 5.916 | | 649584 | 512527 |
| 5.941 | | 88395 | 57243 |
| 5.987 | | 7171 | 4355 |
| 6.006 | | 8671 | 5560 |
| 6.039 | | 127133 | 114237 |
| 6.076 | DCB | 340987 | 297129 |
| 6.112 | | 48996 | 39402 |
| 6.142 | | 6334 | 3992 |
| 6.172 | | 14841 | 13083 |
| 6.204 | | 31999 | 27127 |
| 6.251 | | 19380 | 13749 |
| 6.276 | | 58034 | 48700 |
| 6.314 | | 14543 | 10797 |
| 6.344 | | 13580 | 8966 |
| 6.357 | | 28353 | 18129 |
| 6.415 | | 30245 | 24297 |
| 6.441 | | 27673 | 30052 |
| 6.497 | | 46608 | 44677 |

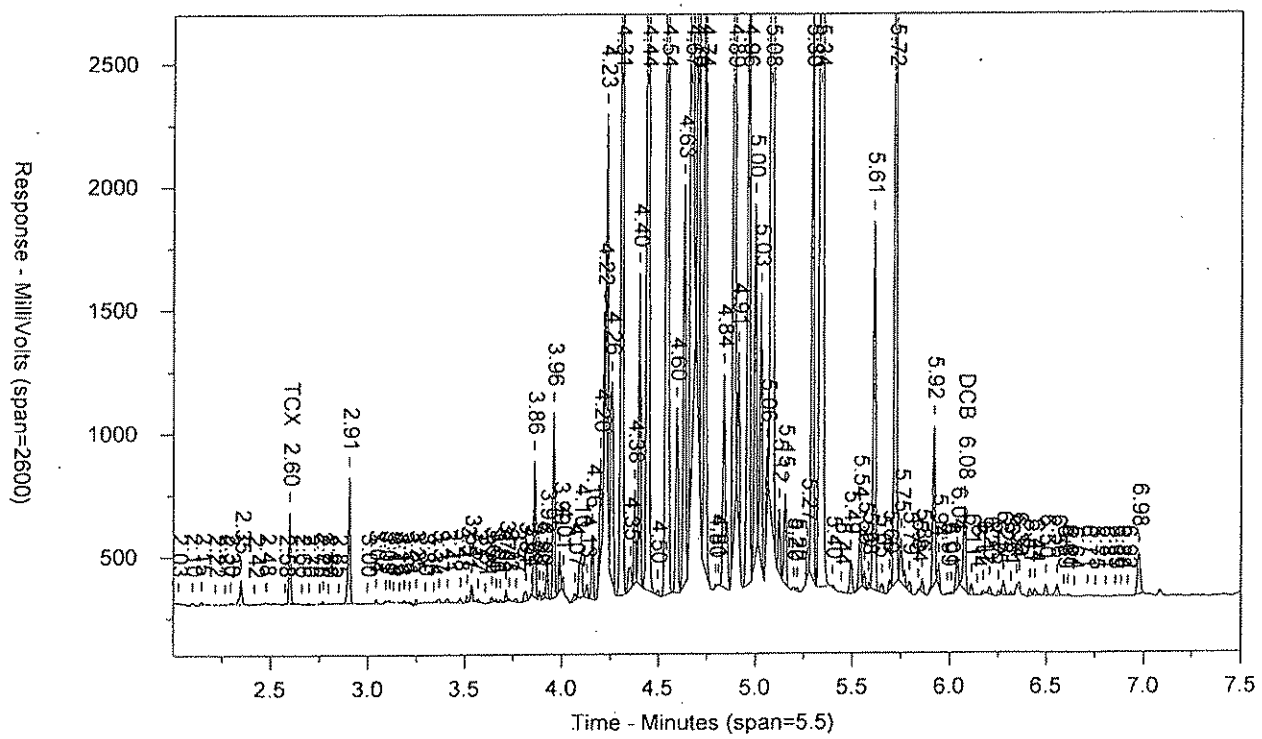
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.555 | | 46561 | 47947 |
| 6.59 | | 2784 | 1931 |
| 6.612 | | 6066 | 4812 |
| 6.643 | | 1156 | 779 |
| 6.711 | | 3050 | 3474 |
| 6.751 | | 2109 | 1418 |
| 6.806 | | 2728 | 2661 |
| 6.854 | | 3038 | 3018 |
| 6.883 | | 3649 | 2779 |
| 6.92 | | 2845 | 2238 |
| 6.975 | | 165734 | 163707 |

8577897ACF DF20 ACATW41 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0021.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0021.RAW



LANCASTER LABORATORIES

Sample Number: 8577897ACF DF20 ACATW41 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:09:05 PM
Sample Weight: 10.45
Dilution Factor: 200
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

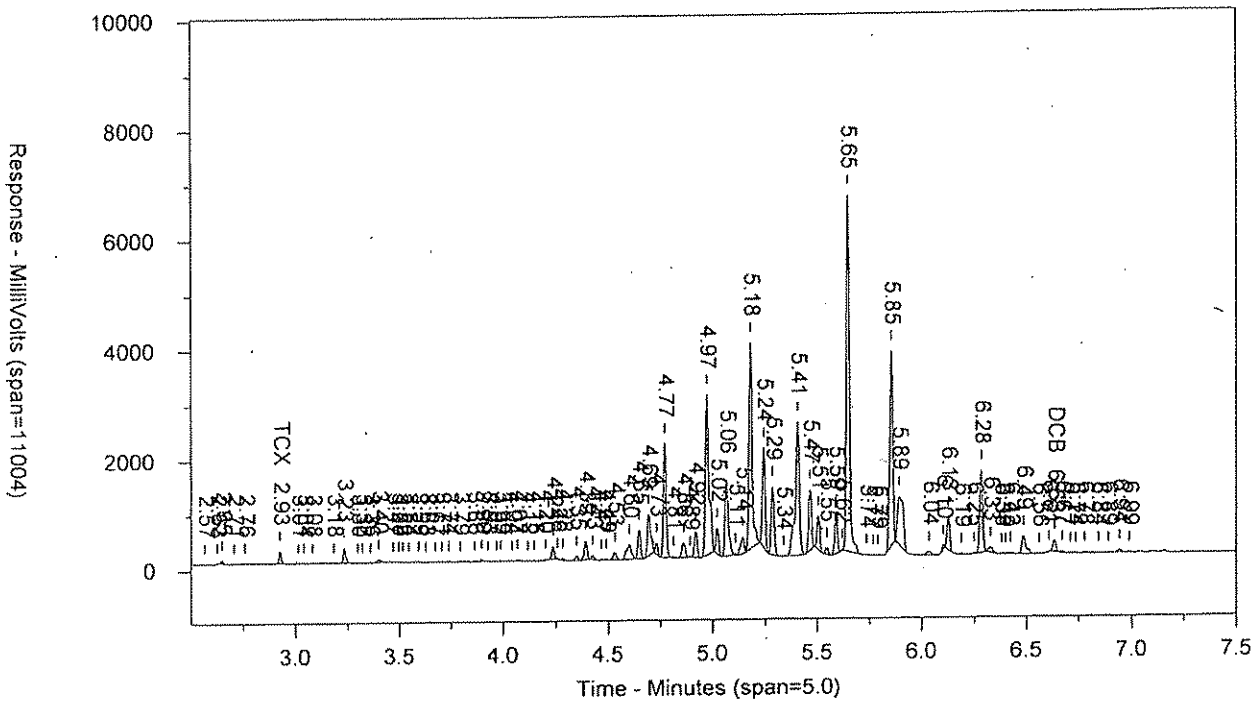
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 232633 | 32.908 | TCX | 2.599 | 372842 | 29.053 | TCX |
| 6.633 | 212461 | 60.833 | DCB | 6.076 | 340987 | 34.305 | DCB |

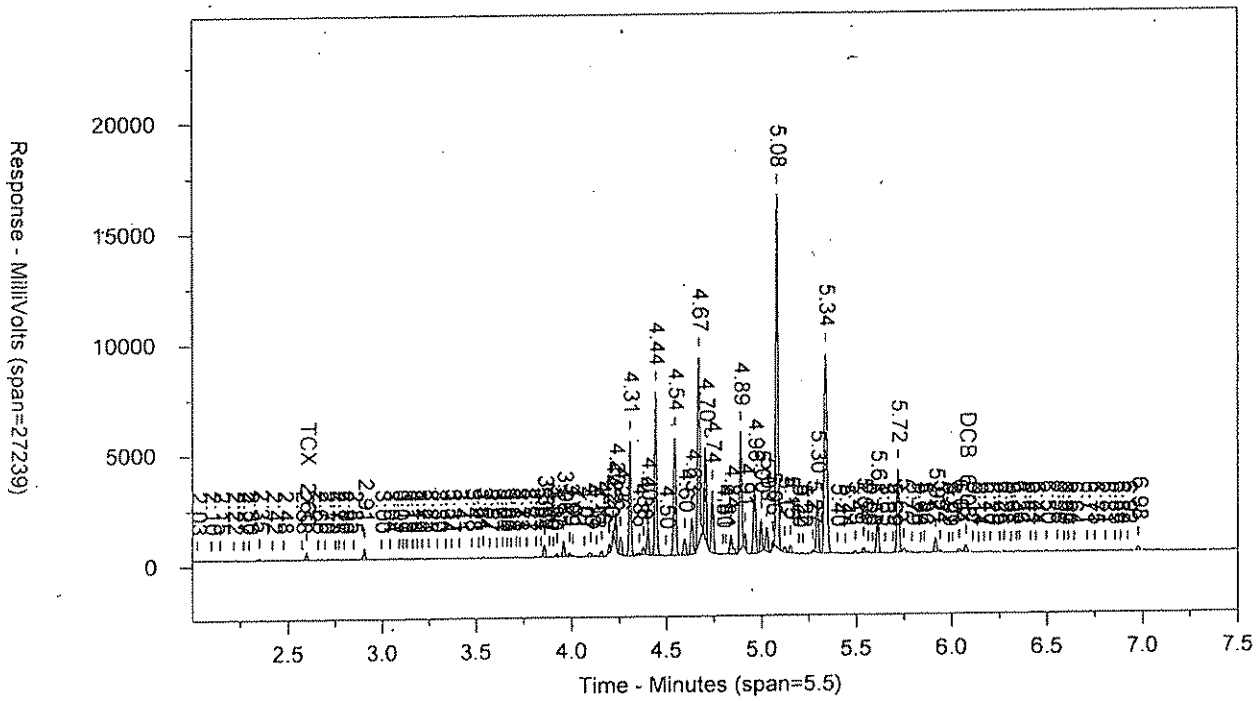
Files:
Area File: 25pcbs16207035.0021.RAW
Area File: 25pcbs16207035B.0021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 1:17:36 PM
File Reported On: 9/15/2016 at 1:17:41 PM

8577897ACF DF20 ACATW41 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0021.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0021.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577898** ACF DF50 ATW42 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.19 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:20:19 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0022.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

| | | | | |
|---|---|---|---|---|
| %SSR(TCX) | | 124% | ( 46 - 148 ) | Conc: 35.65383 |
| %SSR(DCB) | * | 202% | ( 49 - 139 ) | Conc: 57.9552 |

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:20:19 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0022.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

| | | | | |
|---|---|---|---|---|
| %SSR(TCX) | | 103% | ( 46 - 148 ) | Conc: 29.62697 |
| %SSR(DCB) | | 139% | ( 49 - 139 ) | Conc: 39.96752 |

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.26** | |
| 4.76 | 4.77 | 4.80 | 1343716 | 16561.654219 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1871139 | 21313.621431 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1190681 | 22281.045577 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1576518 | 23578.127166 | | | 4 |
| 5.64 | 5.65 | 5.68 | 4177010 | 29929.134574 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2328048 | 29252.052716 | | | 6 |

Height summation: **12487112**
Concentration CF: **23819.272614** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.19** | |
| 4.29 | 4.31 | 4.33 | 3420730 | 17288.562539 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4841063 | 21615.389776 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3466715 | 18559.925593 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3623252 | 24338.653873 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9879974 | 29941.418766 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5967534 | 26990.308621 | | | 6 |

Height summation: **31199268**
Concentration CF: **23122.376528** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2502.4534 | <485.7704 | | | 4 | |
| ☑ PCB-1221 | | | <2502.4534 | <750.736 | | | 3 | |
| ☑ PCB-1232 | | | <2502.4534 | <603.5329 | | | 4 | |
| ☑ PCB-1242 | | | <2502.4534 | <603.5329 | | | 4 | |
| ☑ PCB-1248 | | | <2502.4534 | <485.7704 | | | 4 | |
| ☑ PCB-1254 | | | <2502.4534 | <647.6938 | | | 4 | |
| ☑ PCB-1260 | A | 23819.272614 | 2502.4534 | 574.0922 | | 2.97 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 98309 | 35.65383 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 148300 | 29.62697 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 78950 | 57.9552 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 154956 | 39.96752 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 35.65383 | | | | 18.46 | |
| ☑ Decachlorobiphenyl | A | 57.9552 | | | | 36.74 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577898** ACF DF50 ATW42 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.19 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274A
Result file : 25PCBS16207035.0022.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 124% (46-148) Conc.: 35.65383
%SSR(DCB) : *202% (49-139) Conc.: 57.9552

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 43.20 | |
| 3.17 | 3.18 | 3.21 | 3036 | 65.065765 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6861.4 | 149.591596 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2859.179 | 51.302759 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11220.61 | 177.597072 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6523.87 | 121.253972 | | | 5 |
| 3.98 | 3.99 | 4.02 | 4456.481 | 107.374059 | | | 6 |
| Height Summation: | | | 34957.54 | | | | |
| Amount Avg CF: | | | 112.03087 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 18.10 | |
| 3.07 | 3.09 | 3.11 | 1463.172 | 61.155575 | | | 1 |
| 3.17 | 3.18 | 3.21 | 3036 | 47.274596 | | | 3 |
| Height Summation: | | | 4499.172 | | | | |
| Amount Avg CF: | | | 54.215085 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 53.85 | |
| 3.17 | 3.18 | 3.21 | 3036 | 48.669667 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6861.4 | 269.233028 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2859.179 | 92.036998 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11220.61 | 324.524063 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6523.87 | 224.311365 | | | 5 |
| 3.99 | 3.99 | 4.02 | 4456.481 | 216.363975 | | | 6 |
| Height Summation: | | | 34957.54 | | | | |
| Amount Avg CF: | | | 195.856516 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 44.18 | |
| 3.17 | 3.18 | 3.21 | 3036 | 89.035665 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6861.4 | 213.593961 | | | 2 |
| 3.51 | 3.52 | 3.55 | 2859.179 | 71.588663 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11220.61 | 252.105617 | | | 4 |
| 3.79 | 3.79 | 3.83 | 6523.87 | 169.819011 | | | 5 |
| 3.98 | 3.99 | 4.02 | 4456.481 | 151.553228 | | | 6 |
| Height Summation: | | | 34957.54 | | | | |
| Amount Avg CF: | | | 157.949358 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 201.13 | |
| 3.79 | 3.79 | 3.83 | 6523.87 | 213.994934 | | | 1 |
| 3.85 | 3.86 | 3.89 | 8128.938 | 157.824797 | | | 2 |
| 3.98 | 3.99 | 4.02 | 4456.481 | 75.836985 | | | 3 |
| 4.25 | 4.28 | 4.29 | 11885.02 | 235.231905 | | | 5 |
| 4.64 | 4.65 | 4.68 | 287553.2 | 7797.333783 | | | 6 |
| Height Summation: | | | 318547.509 | | | | |
| Amount Avg CF: | | | 1696.044481 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 133.31 | |
| 4.23 | 4.24 | 4.27 | 161257.4 | 2599.795229 | | | 1 |
| 4.58 | 4.60 | 4.62 | 198758.5 | 3339.906025 | | | 2 |
| 4.64 | 4.65 | 4.68 | 287553.2 | 2573.338139 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1343716 | 37060.560328 | | | 4 |
| 4.86 | 4.86 | 4.90 | 143141.8 | 2014.134194 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 14453.51 | 203.373918 | | | 5 |
| 5.06 | 5.06 | 5.10 | 901548.5 | 15340.060307 | | | 6 |
| Height Summation: | | | 3035975.4 | | | | |
| Amount Avg CF: | | | 10487.965704 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0022.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 103% (46-148) Conc.: 29.62697
%SSR(DCB) : 139% (49-139) Conc.: 39.96752

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 139.80 | |
| + 2.87 | 2.89 | 2.91 | 16277.08 | 198.347934 | | | 1 |
| 2.87 | 2.90 | 2.91 | 72237.53 | 880.266291 | | | 1 |
| 3.19 | 3.21 | 3.23 | 5173.095 | 50.928465 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11699.31 | 107.740469 | | | 3 |
| 3.46 | 3.48 | 3.50 | 16006.63 | 143.42958 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13899.87 | 146.557159 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6887.401 | 72.619235 | | | 5 |
| 3.72 | 3.73 | 3.76 | 4114.949 | 50.500783 | | | 6 |
| Height Summation: | | | 123131.384 | | | | |
| Amount Avg CF: | | | 229.903791 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 114.08 | |
| + 2.75 | 2.75 | 2.79 | 1766.795 | 38.581139 | | | 1 |
| 2.75 | 2.77 | 2.79 | 7199.774 | 157.219984 | | | 1 |
| 2.81 | 2.83 | 2.85 | 971.5296 | 33.292875 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 16277.08 | 138.462809 | | | 3 |
| 2.87 | 2.90 | 2.91 | 72237.53 | 614.496661 | | | 3 |
| Height Summation: | | | 80408.8336 | | | | |
| Amount Avg CF: | | | 268.336506 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 67.55 | |
| + 2.87 | 2.89 | 2.91 | 16277.08 | 141.38353 | | | 1 |
| 2.87 | 2.90 | 2.91 | 72237.53 | 627.458795 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5173.095 | 94.093553 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11699.31 | 199.6395 | | | 3 |
| 3.47 | 3.48 | 3.51 | 16006.63 | 278.393296 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13899.87 | 308.927568 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6887.401 | 153.073953 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 4114.949 | 99.579873 | | | 6 |
| 3.72 | 3.76 | 3.76 | 6660.795 | 161.188176 | | | 6 |
| Height Summation: | | | 125677.23 | | | | |
| Amount Avg CF: | | | 278.283481 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 133.51 | |
| + 2.87 | 2.89 | 2.91 | 16277.08 | 269.20013 | | | 1 |
| 2.87 | 2.90 | 2.91 | 72237.53 | 1194.707678 | | | 1 |
| 3.20 | 3.21 | 3.24 | 5173.095 | 69.122958 | | | 2 |
| 3.39 | 3.41 | 3.43 | 11699.31 | 148.18827 | | | 3 |
| 3.47 | 3.48 | 3.51 | 16006.63 | 209.422783 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13899.87 | 202.440692 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 6887.401 | 100.309587 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 4114.949 | 68.786521 | | | 6 |
| 3.72 | 3.76 | 3.76 | 6660.795 | 111.343522 | | | 6 |
| Height Summation: | | | 125677.23 | | | | |
| Amount Avg CF: | | | 322.537651 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577898** ACF DF50 ATW42 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.19 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274A
Result file : 25PCBS16207035.0022.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 21.26 | |
| 4.76 | 4.77 | 4.80 | 1343716 | 16561.654219 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1871139 | 21313.621431 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1190681 | 22281.045577 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1576518 | 23678.127166 | | | 4 |
| 5.64 | 5.65 | 5.68 | 4177010 | 29929.134574 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2328048 | 29252.052716 | | | 6 |
| Height Summation: | | | 12487112 | | | | |
| Amount Avg CF: | | | 23819.272614 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.53 | |
| E 5.23 | 5.24 | 5.27 | 1190681 | 12445.465685 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1576518 | 18904.998238 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 4177010 | 21965.509988 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 2328048 | 21382.949375 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 984677.6 | 14561.198964 | | | 6 |
| Height Summation: | | | 10256934.6 | | | | |
| Amount Avg CF: | | | 17852.02445 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.37 | |
| E 5.84 | 5.85 | 5.88 | 2328048 | 10521.956789 | | | 1 |
| 6.03 | 6.04 | 6.07 | 43723.19 | 243.930934 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 52673.75 | 1060.147161 | | | 4 |
| 6.10 | 6.13 | 6.14 | 404426.1 | 8139.75048 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 984677.6 | 12821.273218 | | | 5 |
| 6.48 | 6.48 | 6.52 | 216976.4 | 412.838204 | | | 6 |
| Height Summation: | | | 3977851.29 | | | | |
| Amount Avg CF: | | | 6427.949925 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0022.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 140.48 | |
| + 3.50 | 3.51 | 3.54 | 15248.16 | 139.682717 | | | 1 |
| 3.50 | 3.54 | 3.54 | 51519.68 | 471.95261 | | | 1 |
| 3.63 | 3.64 | 3.67 | 13899.87 | 105.311397 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 6887.401 | 52.181914 | | | 2 |
| + 3.72 | 3.73 | 3.76 | 4114.949 | 42.719815 | | | 3 |
| 3.72 | 3.76 | 3.76 | 6660.795 | 69.149807 | | | 3 |
| 3.85 | 3.86 | 3.89 | 326291.4 | 1782.293472 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 10402.72 | 56.822521 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 222068.5 | 2689.909497 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1027977 | 12451.856497 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 138936.2 | 2807.698224 | | | 6 |
| 4.37 | 4.40 | 4.40 | 845521.7 | 17086.761946 | | | 6 |
| Height Summation: | | | 2271870.445 | | | | |
| Amount Avg CF: | | | 5327.887622 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 127.94 | |
| 4.15 | 4.16 | 4.19 | 121611.6 | 815.099575 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 222068.5 | 856.026448 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1027977 | 3962.630898 | | | 2 |
| 4.30 | 4.31 | 4.34 | 3420730 | 27986.560676 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 138936.2 | 842.515052 | | | 4 |
| 4.37 | 4.40 | 4.41 | 845521.7 | 5127.279706 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 4841063 | 48952.871361 | | | 5 |
| 4.58 | 4.60 | 4.62 | 436525.3 | 3789.259855 | | | 6 |
| Height Summation: | | | 10693428.6 | | | | |
| Amount Avg CF: | | | 15105.617012 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.19 | |
| 4.29 | 4.31 | 4.33 | 3420730 | 17288.562539 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4841063 | 21615.389776 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3466715 | 18559.925593 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3623252 | 24338.653873 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 413335.3 | 2776.518111 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9879974 | 29941.418766 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5967534 | 26990.308621 | | | 6 |
| Height Summation: | | | 31199268 | | | | |
| Amount Avg CF: | | | 23122.376528 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.20 | |
| E 4.69 | 4.70 | 4.73 | 2803518 | 11063.592341 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 3623252 | 14013.066921 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 413335.3 | 1598.590222 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 9879974 | 20820.593199 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1606518 | 8211.917284 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 5967534 | 18429.628081 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2402888 | 13812.050357 | | | 6 |
| Height Summation: | | | 26283684 | | | | |
| Amount Avg CF: | | | 14391.80803 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.81 | |
| 5.29 | 5.30 | 5.33 | 1606518 | 2760.329015 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 5967534 | 10592.440757 | | | 2 |
| 5.49 | 5.49 | 5.53 | 89200.55 | 180.682264 | | | 3 |
| 5.55 | 5.56 | 5.59 | 40268.55 | 339.668799 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 11093.57 | 93.575249 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2402888 | 12032.393414 | | | 5 |
| 5.91 | 5.92 | 5.95 | 444523.2 | 270.692986 | | | 6 |
| Height Summation: | | | 10550932.3 | | | | |
| Amount Avg CF: | | | 4362.701206 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577898** ACF DF50 ATW42 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.19 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274A
Result file : 25PCBS16207035.0022.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 13:20:19
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0022.RAW
Calibration file : 25PCBS1620701B.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 | | | 2502.4534 | 485.7704 | | ** 68.94 | 4 | 40 | |
| Aroclor-1221 | | | 2502.4534 | 750.736 | | ** 132.77 | 3 | 5 | |
| Aroclor-1232 | | | 2502.4534 | 603.5329 | | 34.77 | 4 | 10 | |
| Aroclor-1242 | | | 2502.4534 | 603.5329 | | ** 68.51 | 4 | 30 | |
| Aroclor-1248 | | | 2502.4534 | 485.7704 | | ** 103.41 | 4 | 40 | |
| Aroclor-1254 | | | 2502.4534 | 647.6938 | | 36.08 | 4 | 40 | |
| Aroclor-1260 | | | 2502.4534 | 574.0922 | | 2.97 | 4 | 40 | |
| Aroclor-1262 | | | 2502.4534 | 485.7704 | E | 21.46 | 4 | 40 | |
| Aroclor-1268 | | | 2502.4534 | 485.7704 | E | 38.28 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577898ACF DF50 ACATW42 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:20:19 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: 25pcbs16207035.0022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 8188 | 9424 |
| 2.087 | | 8827 | 11668 |
| 2.13 | | 2481 | 3931 |
| 2.196 | | 58462 | 42149 |
| 2.28 | | 1710 | 1059 |
| 2.308 | | 9149 | 6768 |
| 2.381 | | 7159 | 7198 |
| 2.488 | | 2826 | 4678 |
| 2.564 | | 1672 | 2785 |
| 2.627 | | 8943 | 5484 |
| 2.648 | | 36976 | 23689 |
| 2.704 | | 1196 | 1308 |
| 2.758 | | 3085 | 5168 |
| 2.799 | | 1783 | 1903 |
| 2.924 | TCX | 98309 | 68304 |
| 3.012 | | 1456 | 1023 |
| 3.038 | | 5470 | 3479 |
| 3.088 | | 1463 | 3962 |
| 3.179 | | 3036 | 5183 |
| 3.232 | | 56375 | 62499 |
| 3.324 | | 2422 | 2284 |
| 3.401 | | 6861 | 11939 |
| 3.474 | | 3252 | 3873 |
| 3.518 | | 2859 | 2027 |
| 3.564 | | 4046 | 4674 |
| 3.593 | | 7161 | 4767 |
| 3.625 | | 1762 | 2728 |
| 3.673 | | 1554 | 943 |
| 3.7 | | 3577 | 4129 |
| 3.74 | | 11221 | 9903 |
| 3.793 | | 6524 | 5846 |
| 3.864 | | 8129 | 6197 |
| 3.899 | | 28768 | 23228 |
| 3.93 | | 4465 | 5036 |
| 3.967 | | 2971 | 2011 |
| 3.988 | | 4456 | 5916 |
| 4.044 | | 4381 | 2822 |
| 4.068 | | 19958 | 21396 |
| 4.119 | | 2840 | 2373 |
| 4.15 | | 9664 | 9038 |
| 4.202 | | 17288 | 13885 |
| 4.238 | | 161257 | 141721 |
| 4.284 | | 11885 | 8196 |
| 4.311 | | 1678 | 1188 |
| 4.351 | | 46783 | 38649 |
| 4.394 | | 209152 | 201961 |
| 4.427 | | 29266 | 22956 |
| 4.467 | | 4470 | 3131 |
| 4.491 | | 12117 | 9650 |
| 4.53 | | 88366 | 91756 |
| 4.601 | | 198759 | 268370 |
| 4.648 | | 287553 | 262068 |
| 4.693 | | 528225 | 611466 |
| 4.731 | | 133032 | 100283 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.771 | | 1343716 | 1271449 |
| 4.81 | | 15581 | 16304 |
| 4.86 | | 143142 | 172184 |
| 4.891 | | 14454 | 9072 |
| 4.918 | | 311453 | 296859 |
| 4.971 | | 1871139 | 2298747 |
| 5.021 | | 322740 | 295256 |
| 5.064 | | 901549 | 1001282 |
| 5.107 | | 18760 | 10635 |
| 5.143 | | 209722 | 246089 |
| 5.18 | | 2416244 | 2567218 |
| 5.243 | | 1190681 | 1100271 |
| 5.285 | | 847845 | 820649 |
| 5.339 | | 8397 | 6455 |
| 5.407 | | 1576518 | 2125882 |
| 5.465 | | 751182 | 704870 |
| 5.505 | | 399626 | 373978 |
| 5.545 | | 83505 | 81373 |
| 5.59 | | 424760 | 401663 |
| 5.618 | | 17806 | 9156 |
| 5.646 | | 4177010 | 4258306 |
| 5.736 | | 7951 | 7575 |
| 5.769 | | 3904 | 2660 |
| 5.788 | | 3113 | 2047 |
| 5.853 | | 2328049 | 2373685 |
| 5.89 | | 571914 | 1154196 |
| 6.036 | | 43723 | 71855 |
| 6.102 | | 52674 | 43361 |
| 6.126 | | 404426 | 383699 |
| 6.186 | | 2426 | 2938 |
| 6.25 | | 2890 | 1799 |
| 6.283 | | 984678 | 1043247 |
| 6.329 | | 73693 | 71379 |
| 6.397 | | 2759 | 2919 |
| 6.483 | | 216976 | 236005 |
| 6.63 | DCB | 78950 | 77887 |
| 6.659 | | 5219 | 5123 |
| 6.71 | | 6647 | 8550 |
| 6.801 | | 1194 | 1478 |
| 6.844 | | 862 | 831 |
| 6.904 | | 1519 | 1902 |
| 6.944 | | 4106 | 4395 |

LANCASTER LABORATORIES

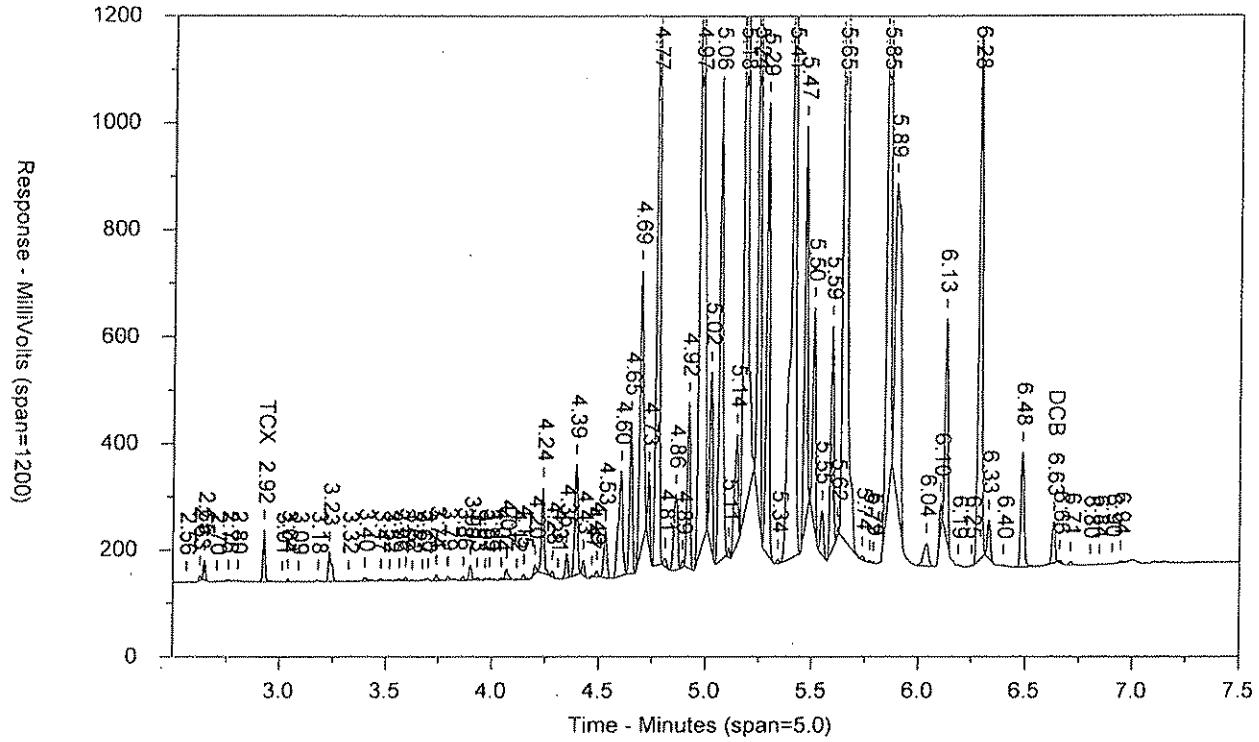
Sample Number: 8577898ACF DF50 ACATW42 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:20:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.097 | | 4818 | 6547 |
| 2.145 | | 7653 | 6739 |
| 2.217 | | 4574 | 4802 |
| 2.264 | | 1765 | 1710 |
| 2.296 | | 4469 | 4244 |
| 2.334 | | 5331 | 2565 |
| 2.349 | | 56618 | 31638 |
| 2.452 | | 1331 | 1584 |
| 2.476 | | 3552 | 3910 |
| 2.518 | | 2221 | 3711 |
| 2.577 | | 1711 | 1943 |
| 2.599 | TCX | 148300 | 86546 |
| 2.7 | | 3023 | 5029 |
| 2.754 | | 1767 | 849 |
| 2.769 | | 7200 | 3484 |
| 2.796 | | 1473 | 1214 |
| 2.832 | | 972 | 923 |
| 2.894 | | 16277 | 6912 |
| 2.904 | | 72238 | 32864 |
| 2.936 | | 2849 | 2159 |
| 3.017 | | 3455 | 4046 |
| 3.089 | | 4648 | 2606 |
| 3.109 | | 3510 | 2375 |
| 3.162 | | 2728 | 1918 |
| 3.188 | | 3386 | 2423 |
| 3.214 | | 5173 | 5614 |
| 3.248 | | 13775 | 8810 |
| 3.273 | | 1835 | 951 |
| 3.287 | | 2525 | 1842 |
| 3.337 | | 1861 | 949 |
| 3.358 | | 4932 | 5887 |
| 3.411 | | 11699 | 12367 |
| 3.434 | | 3057 | 1882 |
| 3.478 | | 16007 | 13387 |
| 3.513 | | 15248 | 8312 |
| 3.537 | | 51520 | 31883 |
| 3.57 | | 9988 | 10241 |
| 3.642 | | 13900 | 10588 |
| 3.663 | | 6887 | 4163 |
| 3.684 | | 6658 | 4353 |
| 3.713 | | 35036 | 19492 |
| 3.73 | | 4115 | 2607 |
| 3.757 | | 6661 | 8166 |
| 3.817 | | 31403 | 31482 |
| 3.844 | | 5497 | 2292 |
| 3.86 | | 326291 | 210642 |
| 3.885 | | 10403 | 5041 |
| 3.905 | | 10087 | 5222 |
| 3.924 | | 108196 | 72256 |
| 3.959 | | 461534 | 296959 |
| 3.991 | | 59736 | 34060 |
| 4.007 | | 34764 | 17461 |
| 4.054 | | 5804 | 3089 |
| 4.068 | | 8795 | 5557 |

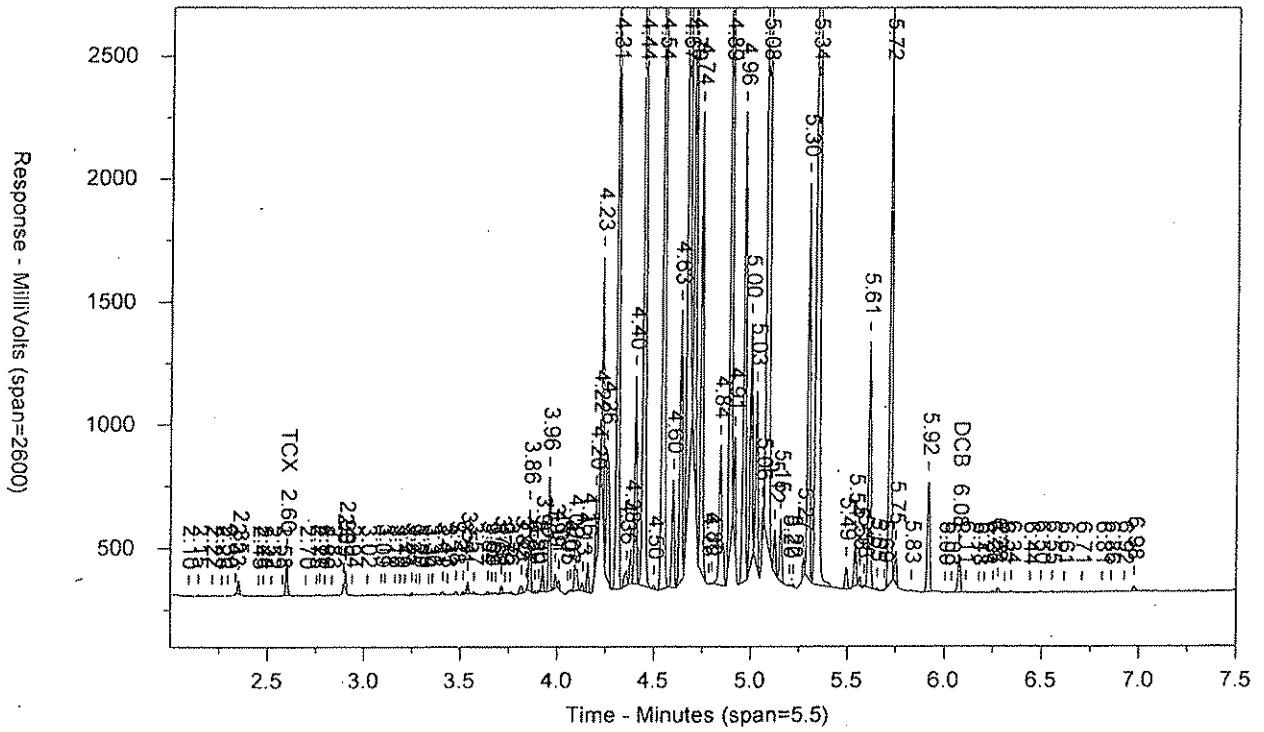
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.091 | | 107134 | 116206 |
| 4.131 | | 36040 | 28551 |
| 4.158 | | 121612 | 80447 |
| 4.2 | | 277798 | 167753 |
| 4.218 | | 222069 | 103182 |
| 4.231 | | 1027977 | 563623 |
| 4.256 | | 515161 | 507204 |
| 4.308 | | 3420730 | 2412681 |
| 4.355 | | 60341 | 64795 |
| 4.377 | | 138936 | 83486 |
| 4.401 | | 845522 | 603730 |
| 4.443 | | 4841063 | 3507284 |
| 4.498 | | 15413 | 10237 |
| 4.545 | | 3466715 | 3123164 |
| 4.597 | | 436525 | 357447 |
| 4.635 | | 1105295 | 898395 |
| 4.67 | | 5134090 | 4193003 |
| 4.703 | | 2803518 | 1869412 |
| 4.741 | | 1871270 | 1447165 |
| 4.781 | | 5062 | 2196 |
| 4.798 | | 7301 | 3500 |
| 4.839 | | 565047 | 592820 |
| 4.889 | | 3623252 | 2670835 |
| 4.912 | | 413335 | 254207 |
| 4.962 | | 1919017 | 1634993 |
| 4.997 | | 985580 | 739140 |
| 5.027 | | 696302 | 563936 |
| 5.059 | | 126931 | 74333 |
| 5.081 | | 9879974 | 7899165 |
| 5.122 | | 172022 | 124818 |
| 5.153 | | 250361 | 203971 |
| 5.198 | | 6635 | 4333 |
| 5.218 | | 11015 | 7123 |
| 5.272 | | 78377 | 46309 |
| 5.295 | | 1606518 | 1271640 |
| 5.338 | | 5967535 | 6312032 |
| 5.493 | | 89201 | 73298 |
| 5.539 | | 172964 | 136214 |
| 5.562 | | 40269 | 25097 |
| 5.584 | | 11094 | 5850 |
| 5.611 | | 998337 | 825308 |
| 5.654 | | 8266 | 7434 |
| 5.691 | | 4530 | 2424 |
| 5.718 | | 2402888 | 1954274 |
| 5.749 | | 130237 | 90851 |
| 5.83 | | 4741 | 3720 |
| 5.916 | | 444523 | 371590 |
| 6.002 | | 2514 | 2582 |
| 6.034 | | 1631 | 1056 |
| 6.075 | DCB | 154956 | 132285 |
| 6.11 | | 4732 | 3904 |
| 6.178 | | 1630 | 1193 |
| 6.205 | | 2486 | 1969 |
| 6.249 | | 7685 | 5432 |
| 6.276 | | 17930 | 15874 |
| 6.311 | | 2211 | 1872 |
| 6.342 | | 7452 | 7280 |
| 6.441 | | 2788 | 2420 |
| 6.496 | | 6152 | 5418 |
| 6.555 | | 6562 | 5560 |
| 6.614 | | 1547 | 2214 |
| 6.705 | | 1544 | 2004 |
| 6.808 | | 942 | 595 |
| 6.855 | | 1754 | 1815 |
| 6.922 | | 2041 | 2243 |
| 6.975 | | 18557 | 18913 |

8577898ACF DF50 ACATW42 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0022.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0022.RAW



LANCASTER LABORATORIES

Sample Number: 8577898ACF DF50 ACATW42 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:20:19 PM
Sample Weight: 10.19
Dilution Factor: 500
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

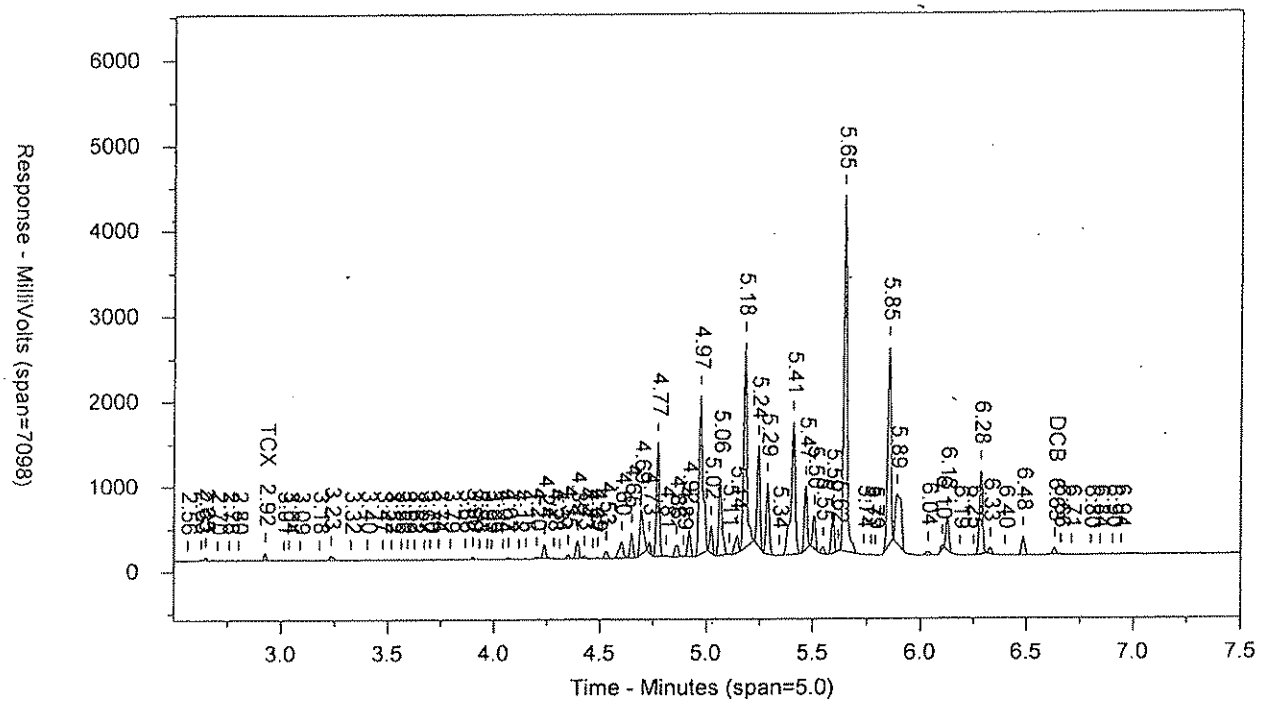
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.924 | 98309 | 35.654 | TCX | 2.599 | 148300 | 29.627 | TCX |
| 6.63 | 78950 | 57.955 | DCB | 6.075 | 154956 | 39.968 | DCB |

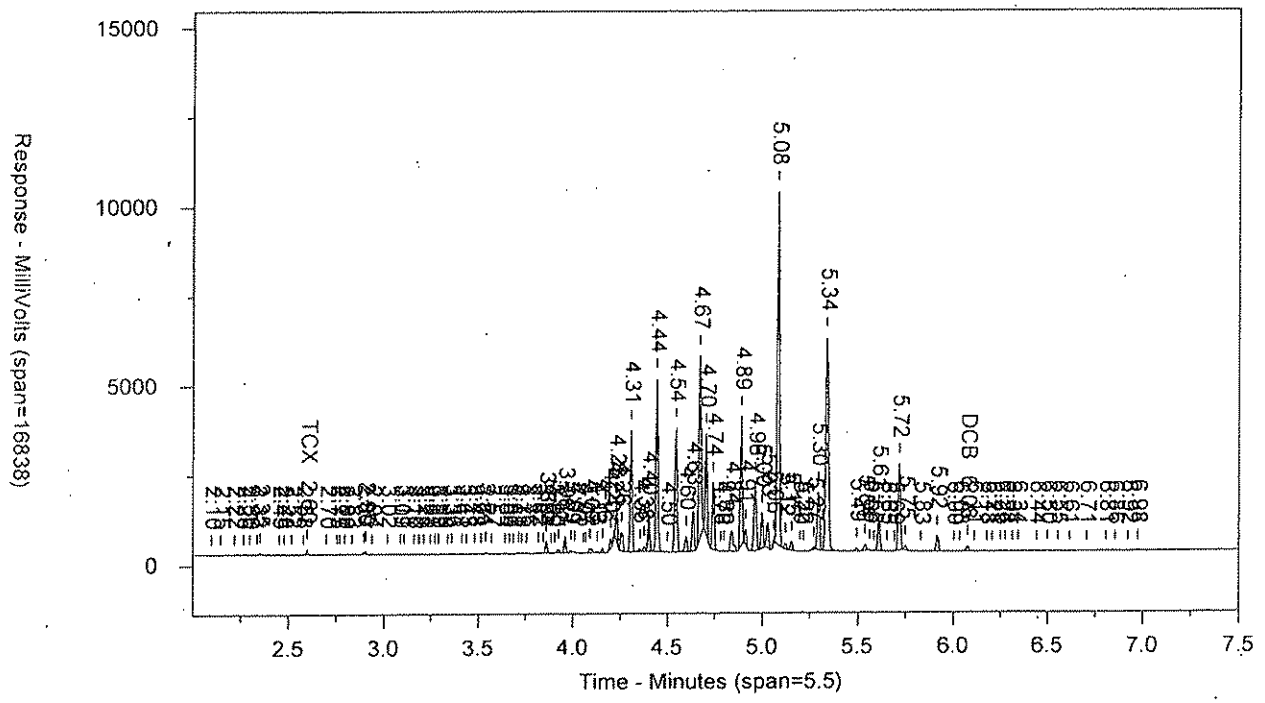
Files:
Area File: 25pcbs16207035.0022.RAW
Area File: 25pcbs16207035B.0022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 1:28:52 PM
File Reported On: 9/15/2016 at 1:28:57 PM

8577898ACF DF50 ACATW42 T 162570008A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0022.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0022.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577899** ACF DF50 ATW43 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:31:38 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0023.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 121% ( 46 - 148 ) Conc: 34.45187
%SSR(DCB) * 197% ( 49 - 139 ) Conc: 56.08287

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:31:38 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0023.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 107% ( 46 - 148 ) Conc: 30.42636
%SSR(DCB) 133% ( 49 - 139 ) Conc: 38.07477

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.33** | |
| 4.76 | 4.77 | 4.80 | 1241984 | 15203.341431 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1750069 | 19798.541215 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1033301 | 19204.093704 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1491276 | 22151.096229 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3748267 | 26673.867324 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2086654 | 26040.042123 | | | 6 |

Height summation: **11351551**
Concentration CF: **21511.830338** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.21** | |
| 4.29 | 4.31 | 4.33 | 3232679 | 16226.673362 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4301595 | 19075.620718 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3186381 | 16942.699892 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3478056 | 23203.922561 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9094144 | 27371.917582 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5493182 | 24675.374913 | | | 6 |

Height summation: **28786037**
Concentration CF: **21249.368171** L:

## Multiple Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ☑ | PCB-1016 | | | <2485.3802 | <482.4562 | | | 4 | |
| ☑ | PCB-1221 | | | <2485.3802 | <745.6141 | | | 3 | |
| ☑ | PCB-1232 | | | <2485.3802 | <599.4152 | | | 4 | |
| ☑ | PCB-1242 | | | <2485.3802 | <599.4152 | | | 4 | |
| ☑ | PCB-1248 | | | <2485.3802 | <482.4562 | | | 4 | |
| ☑ | PCB-1254 | | | <2485.3802 | <643.2749 | | | 4 | |
| ☑ | PCB-1260 | A | 21511.830338 | 2485.3802 | 570.1755 | | 1.23 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 95647 | 34.45187 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 153348 | 30.42636 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 76924 | 56.08287 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 148632 | 38.07477 |

## Single Component Summary

| | Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ | Tetrachloro-m-xylene | A | 34.45187 | | | | 12.41 | |
| ☑ | Decachlorobiphenyl | A | 56.08287 | | | | 38.25 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577899** ACF DF50 ATW43 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274A
Result file : 25PCBS16207035.0023.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 121% (46-148) Conc.: 34.45187
%SSR(DCB) : *197% (49-139) Conc.: 56.08287

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 138.31 | |
| 3.17 | 3.18 | 3.21 | 3638.937 | 77.455477 | | | 1 |
| 3.39 | 3.39 | 3.43 | 11884.53 | 257.337627 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 3629.474 | 64.679982 | | | 3 |
| 3.51 | 3.54 | 3.55 | 4414.721 | 78.673679 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11113.41 | 174.700236 | | | 4 |
| 3.79 | 3.80 | 3.83 | 113624.7 | 2097.443394 | | | 5 |
| 3.98 | 4.01 | 4.02 | 30429.23 | 728.157115 | | | 6 |
| Height Summation: | | | 175105.528 | | | | |
| Amount Avg CF: | | | 568.961255 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 99.10 | |
| 3.07 | 3.08 | 3.11 | 7704.659 | 319.831265 | | | 1 |
| 3.17 | 3.18 | 3.21 | 3638.937 | 56.276543 | | | 3 |
| Height Summation: | | | 11343.596 | | | | |
| Amount Avg CF: | | | 188.053904 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 139.80 | |
| 3.17 | 3.18 | 3.21 | 3638.937 | 57.937262 | | | 1 |
| 3.39 | 3.39 | 3.43 | 11884.53 | 463.152947 | | | 2 |
| + 3.39 | 3.43 | 3.43 | 4903.265 | 191.085523 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 3629.474 | 116.035696 | | | 3 |
| 3.51 | 3.54 | 3.55 | 4414.721 | 141.140348 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11113.41 | 319.230661 | | | 4 |
| 3.79 | 3.80 | 3.83 | 113624.7 | 3880.123526 | | | 5 |
| 3.99 | 4.01 | 4.02 | 30429.23 | 1467.272161 | | | 6 |
| Height Summation: | | | 175105.528 | | | | |
| Amount Avg CF: | | | 1054.809484 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 137.84 | |
| 3.17 | 3.18 | 3.21 | 3638.937 | 105.989685 | | | 1 |
| 3.39 | 3.39 | 3.43 | 11884.53 | 367.438844 | | | 2 |
| + 3.51 | 3.52 | 3.55 | 3629.474 | 90.255446 | | | 3 |
| 3.51 | 3.54 | 3.55 | 4414.721 | 109.782468 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11113.41 | 247.993453 | | | 4 |
| 3.79 | 3.80 | 3.83 | 113624.7 | 2937.518313 | | | 5 |
| 3.98 | 4.01 | 4.02 | 30429.23 | 1027.758122 | | | 6 |
| Height Summation: | | | 175105.528 | | | | |
| Amount Avg CF: | | | 799.413481 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 95.92 | |
| 3.79 | 3.80 | 3.83 | 113624.7 | 3701.670573 | | | 1 |
| 3.85 | 3.87 | 3.89 | 36645.45 | 706.623882 | | | 2 |
| 3.98 | 4.01 | 4.02 | 30429.23 | 514.288466 | | | 3 |
| 4.07 | 4.08 | 4.11 | 118771.4 | 2462.174127 | | | 4 |
| 4.25 | 4.27 | 4.29 | 80471.89 | 1581.857413 | | | 5 |
| 4.64 | 4.65 | 4.68 | 282377.4 | 7604.745403 | | | 6 |
| Height Summation: | | | 662320.07 | | | | |
| Amount Avg CF: | | | 2761.893311 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0023.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (46-148) Conc.: 30.42636
%SSR(DCB) : 133% (49-139) Conc.: 38.07477

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 73.55 | |
| + 2.87 | 2.89 | 2.91 | 24544.29 | 297.049264 | | | 1 |
| 2.87 | 2.90 | 2.91 | 98369.7 | 1190.527286 | | | 1 |
| 3.19 | 3.21 | 3.23 | 4638.515 | 45.354034 | | | 2 |
| 3.39 | 3.42 | 3.43 | 86467.34 | 790.856218 | | | 3 |
| 3.46 | 3.47 | 3.50 | 199650.5 | 1776.789775 | | | 4 |
| + 3.63 | 3.63 | 3.67 | 13776.75 | 144.267963 | | | 5 |
| 3.63 | 3.64 | 3.67 | 119734.3 | 1253.83879 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 47812.77 | 500.68782 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 78606.66 | 958.119807 | | | 6 |
| 3.72 | 3.76 | 3.76 | 243118 | 2963.313431 | | | 6 |
| Height Summation: | | | 751978.355 | | | | |
| Amount Avg CF: | | | 1336.779922 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 64.06 | |
| 2.75 | 2.77 | 2.79 | 12630.14 | 273.92008 | | | 1 |
| 2.81 | 2.82 | 2.85 | 9719.663 | 330.805936 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 24544.29 | 207.364274 | | | 3 |
| 2.87 | 2.90 | 2.91 | 98369.7 | 831.083786 | | | 3 |
| Height Summation: | | | 120719.503 | | | | |
| Amount Avg CF: | | | 478.603267 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 87.13 | |
| + 2.87 | 2.89 | 2.91 | 24544.29 | 211.738397 | | | 1 |
| 2.87 | 2.90 | 2.91 | 98369.7 | 848.614589 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4638.515 | 83.79444 | | | 2 |
| 3.39 | 3.42 | 3.43 | 86467.34 | 1465.430231 | | | 3 |
| 3.47 | 3.47 | 3.51 | 199650.5 | 3448.705358 | | | 4 |
| 3.63 | 3.64 | 3.67 | 119734.3 | 2642.964499 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 47812.77 | 1055.398944 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 78606.66 | 1889.266739 | | | 6 |
| 3.72 | 3.76 | 3.76 | 243118 | 5843.204012 | | | 6 |
| Height Summation: | | | 751978.355 | | | | |
| Amount Avg CF: | | | 2388.785521 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 73.07 | |
| + 2.87 | 2.89 | 2.91 | 24544.29 | 403.158726 | | | 1 |
| 2.87 | 2.90 | 2.91 | 98369.7 | 1615.79752 | | | 1 |
| 3.20 | 3.21 | 3.24 | 4638.515 | 61.557029 | | | 2 |
| 3.39 | 3.42 | 3.43 | 86467.34 | 1087.758543 | | | 3 |
| 3.47 | 3.47 | 3.51 | 199650.5 | 2594.306273 | | | 4 |
| 3.63 | 3.64 | 3.67 | 119734.3 | 1731.938545 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 47812.77 | 691.604488 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 78606.66 | 1305.043698 | | | 6 |
| 3.72 | 3.76 | 3.76 | 243118 | 4036.294301 | | | 6 |
| Height Summation: | | | 751978.355 | | | | |
| Amount Avg CF: | | | 1854.608702 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577899** ACF DF50 ATW43 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274A
Result file : 25PCBS16207035.0023.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 133.08 | |
| 4.23 | 4.24 | 4.27 | 150043.3 | 2402.497363 | | | 1 |
| + 4.23 | 4.27 | 4.27 | 80471.89 | 1288.518071 | | | 1 |
| 4.58 | 4.60 | 4.62 | 178201.8 | 2974.04439 | | | 2 |
| 4.64 | 4.65 | 4.68 | 282377.4 | 2509.778589 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1241984 | 34021.018965 | | | 4 |
| 4.86 | 4.86 | 4.90 | 133345.1 | 1863.484621 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 12271.77 | 171.496775 | | | 5 |
| 5.06 | 5.07 | 5.10 | 830300.9 | 14031.377329 | | | 6 |
| Height Summation: | | | 2816252.5 | | | | |
| Amount Avg CF: | | | 9633.70021 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.33 | |
| 4.76 | 4.77 | 4.80 | 1241984 | 15203.341431 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1750069 | 19798.541215 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1033301 | 19204.093704 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1491276 | 22151.096229 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3748267 | 26673.867324 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2086654 | 26040.042123 | | | 6 |
| Height Summation: | | | 11351551 | | | | |
| Amount Avg CF: | | | 21511.830338 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.18 | |
| E 5.23 | 5.24 | 5.27 | 1033301 | 10726.780679 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1491276 | 17760.801451 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3748267 | 19576.412999 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 2086654 | 19035.0027 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 954733.4 | 14022.066321 | | | 6 |
| Height Summation: | | | 9314231.4 | | | | |
| Amount Avg CF: | | | 16224.21283 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 89.13 | |
| 5.84 | 5.85 | 5.88 | 2086654 | 9366.5973 | | | 1 |
| + 6.03 | 6.03 | 6.07 | 23769.36 | 131.704117 | | | 3 |
| 6.03 | 6.05 | 6.07 | 89922.99 | 498.256073 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 50815.06 | 1015.760178 | | | 4 |
| 6.10 | 6.13 | 6.14 | 381314.1 | 7622.222191 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 954733.4 | 12346.561833 | | | 5 |
| 6.48 | 6.49 | 6.52 | 202844 | 383.31549 | | | 6 |
| Height Summation: | | | 3715468.49 | | | | |
| Amount Avg CF: | | | 6043.390578 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0023.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 115.27 | |
| + 3.50 | 3.51 | 3.54 | 13840.13 | 125.919279 | | | 1 |
| 3.50 | 3.53 | 3.54 | 73812.68 | 671.557235 | | | 1 |
| + 3.63 | 3.63 | 3.67 | 13776.75 | 103.666453 | | | 2 |
| 3.63 | 3.64 | 3.67 | 119734.3 | 900.969398 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 47812.77 | 359.778632 | | | 2 |
| + 3.72 | 3.73 | 3.76 | 78606.66 | 810.496367 | | | 3 |
| 3.72 | 3.76 | 3.76 | 243118 | 2506.737415 | | | 3 |
| 3.85 | 3.86 | 3.89 | 333791.4 | 1810.821138 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 15277.44 | 82.88024 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 274074.7 | 3297.209024 | | | 5 |
| 4.21 | 4.23 | 4.25 | 883692.2 | 10631.108585 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 191036.7 | 3834.234242 | | | 6 |
| 4.37 | 4.40 | 4.40 | 748103.8 | 15014.943238 | | | 6 |
| Height Summation: | | | 2402252.38 | | | | |
| Amount Avg CF: | | | 5256.022835 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 126.02 | |
| 4.15 | 4.16 | 4.19 | 146754 | 976.905231 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 274074.7 | 1049.291112 | | | 2 |
| 4.21 | 4.23 | 4.25 | 883692.2 | 3383.203088 | | | 2 |
| 4.30 | 4.31 | 4.34 | 3232679 | 26267.584572 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 191036.7 | 1150.551022 | | | 4 |
| 4.37 | 4.40 | 4.41 | 748103.8 | 4505.582392 | | | 4 |
| 4.43 | 4.44 | 4.47 | 4301595 | 43200.997845 | | | 5 |
| 4.58 | 4.60 | 4.62 | 422541.8 | 3642.851524 | | | 6 |
| Height Summation: | | | 9735365.8 | | | | |
| Amount Avg CF: | | | 13662.854109 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.21 | |
| 4.29 | 4.31 | 4.33 | 3232679 | 16226.673362 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4301595 | 19075.620718 | | | 2 |
| 4.53 | 4.54 | 4.57 | 3186381 | 16942.699892 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3478056 | 23203.922561 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9094144 | 27371.917582 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5493182 | 24675.374913 | | | 6 |
| Height Summation: | | | 28786037 | | | | |
| Amount Avg CF: | | | 21249.368171 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.56 | |
| E 4.69 | 4.70 | 4.73 | 2528133 | 9908.765646 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 3478056 | 13359.741314 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 9094144 | 19033.819523 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1445760 | 7339.762351 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 5493182 | 16848.935994 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2248342 | 12835.530443 | | | 6 |
| Height Summation: | | | 24287617 | | | | |
| Amount Avg CF: | | | 13221.092545 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.89 | |
| 5.29 | 5.30 | 5.33 | 1445760 | 2467.165497 | | | 1 |
| 5.33 | 5.34 | 5.37 | 5493182 | 9683.936949 | | | 2 |
| 5.49 | 5.49 | 5.53 | 81946.64 | 164.856458 | | | 3 |
| 5.55 | 5.56 | 5.59 | 31282.85 | 262.073313 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 8621.838 | 72.229789 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2248342 | 11181.696271 | | | 5 |
| 5.91 | 5.92 | 5.95 | 419900.3 | 253.954305 | | | 6 |
| Height Summation: | | | 9720413.79 | | | | |
| Amount Avg CF: | | | 4002.280465 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577899** ACF DF50 ATW43 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274A
Result file : 25PCBS16207035.0023.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 13:31:38
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0023.RAW
Calibration file : 25PCBS1620701B.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 | | | 2485.38 | 482.4561 | | ** 80.58 | 4 | 40 | |
| Aroclor-1221 | | | 2485.38 | 745.614 | | ** 87.17 | 3 | 5 | |
| Aroclor-1232 | | | 2485.38 | 599.4152 | | ** 77.48 | 4 | 10 | |
| Aroclor-1242 | | | 2485.38 | 599.4152 | | ** 79.52 | 4 | 30 | |
| Aroclor-1248 | | | 2485.38 | 482.4561 | | ** 62.21 | 4 | 40 | |
| Aroclor-1254 | | | 2485.38 | 643.2748 | | 34.59 | 4 | 40 | |
| Aroclor-1260 | | | 2485.38 | 570.1754 | | 1.23 | 4 | 40 | |
| Aroclor-1262 | | | 2485.38 | 482.4561 | E | 20.40 | 4 | 40 | |
| Aroclor-1268 | | | 2485.38 | 482.4561 | E | ** 40.64 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577899ACF DF50 ACATW43 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:31:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 7402 | 8400 |
| 2.088 | | 7739 | 9923 |
| 2.136 | | 8169 | 9487 |
| 2.196 | | 54134 | 39647 |
| 2.28 | | 2001 | 1295 |
| 2.308 | | 6326 | 4947 |
| 2.381 | | 21397 | 16243 |
| 2.408 | | 3234 | 2444 |
| 2.489 | | 2119 | 1996 |
| 2.564 | | 1453 | 2739 |
| 2.627 | | 6638 | 3821 |
| 2.648 | | 31238 | 19512 |
| 2.707 | | 966 | 1028 |
| 2.76 | | 3768 | 5269 |
| 2.81 | | 3967 | 4462 |
| 2.877 | | 5916 | 4507 |
| 2.925 | TCX | 95647 | 63791 |
| 2.978 | | 1360 | 791 |
| 3.038 | | 8458 | 5140 |
| 3.083 | | 7705 | 6136 |
| 3.176 | | 3639 | 5523 |
| 3.232 | | 77329 | 83162 |
| 3.267 | | 6587 | 3715 |
| 3.318 | | 59977 | 48497 |
| 3.393 | | 11885 | 11381 |
| 3.433 | | 4903 | 5566 |
| 3.474 | | 7638 | 6620 |
| 3.516 | | 3629 | 2711 |
| 3.537 | | 4415 | 2574 |
| 3.563 | | 91561 | 61565 |
| 3.593 | | 6461 | 4250 |
| 3.633 | | 1278 | 1339 |
| 3.674 | | 20554 | 13120 |
| 3.697 | | 48408 | 34052 |
| 3.739 | | 11113 | 8987 |
| 3.805 | | 113625 | 97959 |
| 3.87 | | 36645 | 30628 |
| 3.898 | | 25513 | 19368 |
| 3.947 | | 9595 | 5599 |
| 3.966 | | 65983 | 48077 |
| 4.006 | | 30429 | 25475 |
| 4.059 | | 32943 | 23318 |
| 4.084 | | 118771 | 88867 |
| 4.149 | | 229424 | 187309 |
| 4.203 | | 15488 | 12488 |
| 4.239 | | 150043 | 120944 |
| 4.271 | | 80472 | 83701 |
| 4.314 | | 1840 | 1449 |
| 4.348 | | 49276 | 39626 |
| 4.373 | | 71963 | 46038 |
| 4.394 | | 188731 | 147472 |
| 4.428 | | 35608 | 28271 |
| 4.464 | | 19200 | 14260 |
| 4.493 | | 126798 | 104601 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.527 | | 146375 | 186573 |
| 4.601 | | 178202 | 264495 |
| 4.648 | | 282377 | 250840 |
| 4.693 | | 318700 | 312292 |
| 4.711 | | 53295 | 23194 |
| 4.727 | | 117690 | 91089 |
| 4.77 | | 1241984 | 1122626 |
| 4.806 | | 159121 | 132572 |
| 4.836 | | 27544 | 16426 |
| 4.862 | | 133345 | 139346 |
| 4.893 | | 12272 | 7625 |
| 4.918 | | 277932 | 270488 |
| 4.971 | | 1750069 | 2129592 |
| 5.021 | | 294864 | 270561 |
| 5.065 | | 830301 | 934540 |
| 5.107 | | 19336 | 11439 |
| 5.144 | | 241909 | 273755 |
| 5.18 | | 2192905 | 2355902 |
| 5.243 | | 1033301 | 1087508 |
| 5.289 | | 892543 | 976746 |
| 5.341 | | 324647 | 300188 |
| 5.407 | | 1491276 | 1896302 |
| 5.466 | | 657682 | 590199 |
| 5.505 | | 393070 | 492170 |
| 5.546 | | 33384 | 24992 |
| 5.567 | | 157609 | 111660 |
| 5.591 | | 363031 | 307846 |
| 5.619 | | 19346 | 9282 |
| 5.648 | | 3748267 | 3899841 |
| 5.735 | | 11211 | 11026 |
| 5.77 | | 5399 | 3511 |
| 5.789 | | 4185 | 2481 |
| 5.854 | | 2086654 | 2167974 |
| 5.892 | | 540571 | 1069285 |
| 6.033 | | 23769 | 19052 |
| 6.052 | | 89923 | 75059 |
| 6.104 | | 50815 | 41139 |
| 6.126 | | 381314 | 353987 |
| 6.19 | | 3760 | 3904 |
| 6.249 | | 6113 | 5591 |
| 6.283 | | 954733 | 965530 |
| 6.328 | | 66991 | 64684 |
| 6.396 | | 2258 | 3332 |
| 6.485 | | 202844 | 231066 |
| 6.58 | | 733 | 559 |
| 6.631 | DCB | 76924 | 78240 |
| 6.658 | | 9765 | 9535 |
| 6.71 | | 7371 | 8952 |
| 6.798 | | 1530 | 2766 |
| 6.843 | | 1352 | 1192 |
| 6.904 | | 1757 | 1531 |
| 6.943 | | 6151 | 6934 |
| 6.986 | | 1689 | 1416 |

LANCASTER LABORATORIES

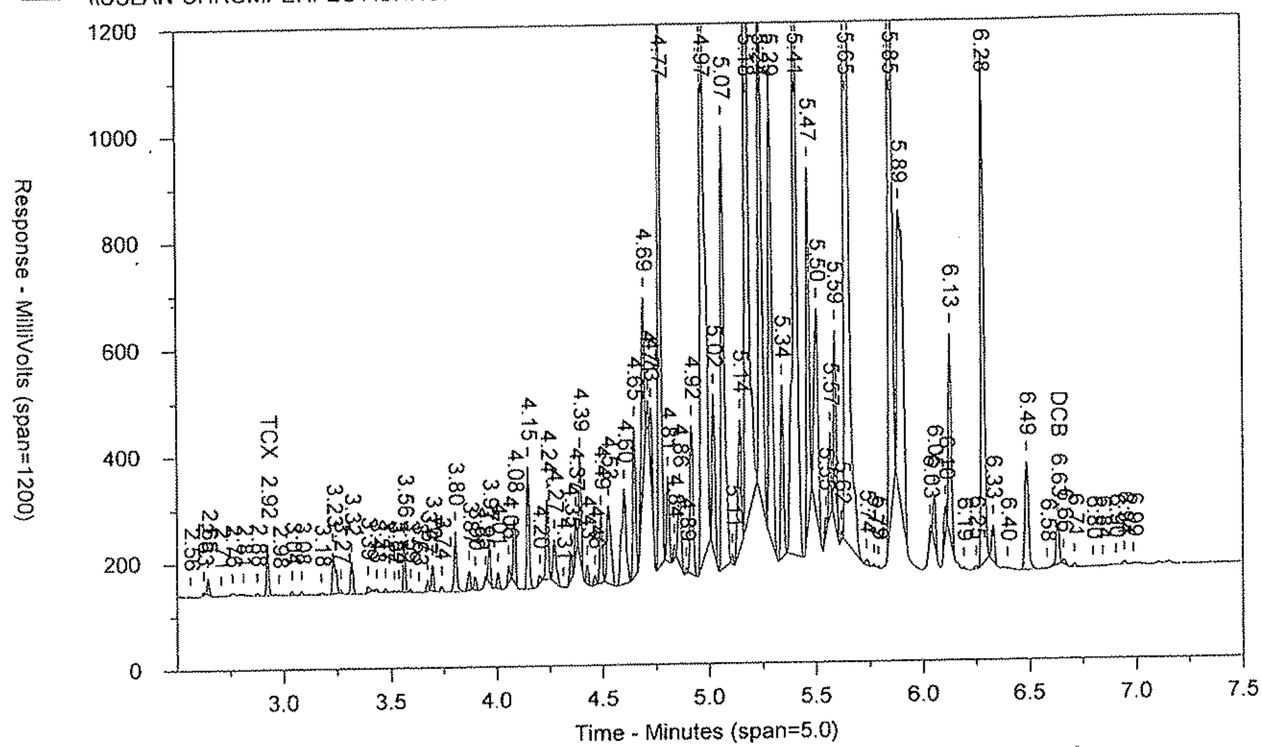
Sample Number: 8577899ACF DF50 ACATW43 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:31:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.099 | | 4848 | 5640 |
| 2.145 | | 28213 | 19339 |
| 2.218 | | 4380 | 4795 |
| 2.296 | | 5107 | 5106 |
| 2.349 | | 53779 | 46228 |
| 2.478 | | 3897 | 6981 |
| 2.525 | | 2340 | 1790 |
| 2.548 | | 2787 | 2181 |
| 2.599 | TCX | 153348 | 95528 |
| 2.7 | | 2857 | 5520 |
| 2.752 | | 1307 | 1124 |
| 2.769 | | 12630 | 6911 |
| 2.821 | | 9720 | 7042 |
| 2.894 | | 24544 | 10777 |
| 2.904 | | 98370 | 44106 |
| 2.958 | | 13591 | 7740 |
| 3.015 | | 114544 | 67262 |
| 3.094 | | 19342 | 16260 |
| 3.135 | | 10354 | 6765 |
| 3.173 | | 9302 | 8441 |
| 3.213 | | 4639 | 5027 |
| 3.249 | | 19788 | 13216 |
| 3.287 | | 146216 | 87729 |
| 3.338 | | 36949 | 22045 |
| 3.369 | | 4678 | 4364 |
| 3.416 | | 86467 | 61052 |
| 3.475 | | 199651 | 142350 |
| 3.513 | | 13840 | 6906 |
| 3.532 | | 73813 | 65536 |
| 3.57 | | 9024 | 6112 |
| 3.603 | | 46309 | 27883 |
| 3.629 | | 13777 | 6553 |
| 3.642 | | 119734 | 64093 |
| 3.661 | | 47813 | 25339 |
| 3.682 | | 12925 | 10484 |
| 3.713 | | 33109 | 16616 |
| 3.731 | | 78607 | 44056 |
| 3.755 | | 243118 | 150944 |
| 3.82 | | 422998 | 277859 |
| 3.859 | | 333791 | 207130 |
| 3.885 | | 15277 | 8018 |
| 3.904 | | 12753 | 6482 |
| 3.924 | | 113924 | 74329 |
| 3.961 | | 715789 | 581368 |
| 3.99 | | 69673 | 39543 |
| 4.009 | | 64506 | 39885 |
| 4.067 | | 46040 | 38706 |
| 4.099 | | 215913 | 157746 |
| 4.113 | | 70997 | 27928 |
| 4.128 | | 59860 | 29640 |
| 4.157 | | 146754 | 94765 |
| 4.199 | | 262715 | 160748 |
| 4.218 | | 274075 | 123926 |
| 4.231 | | 883692 | 479190 |

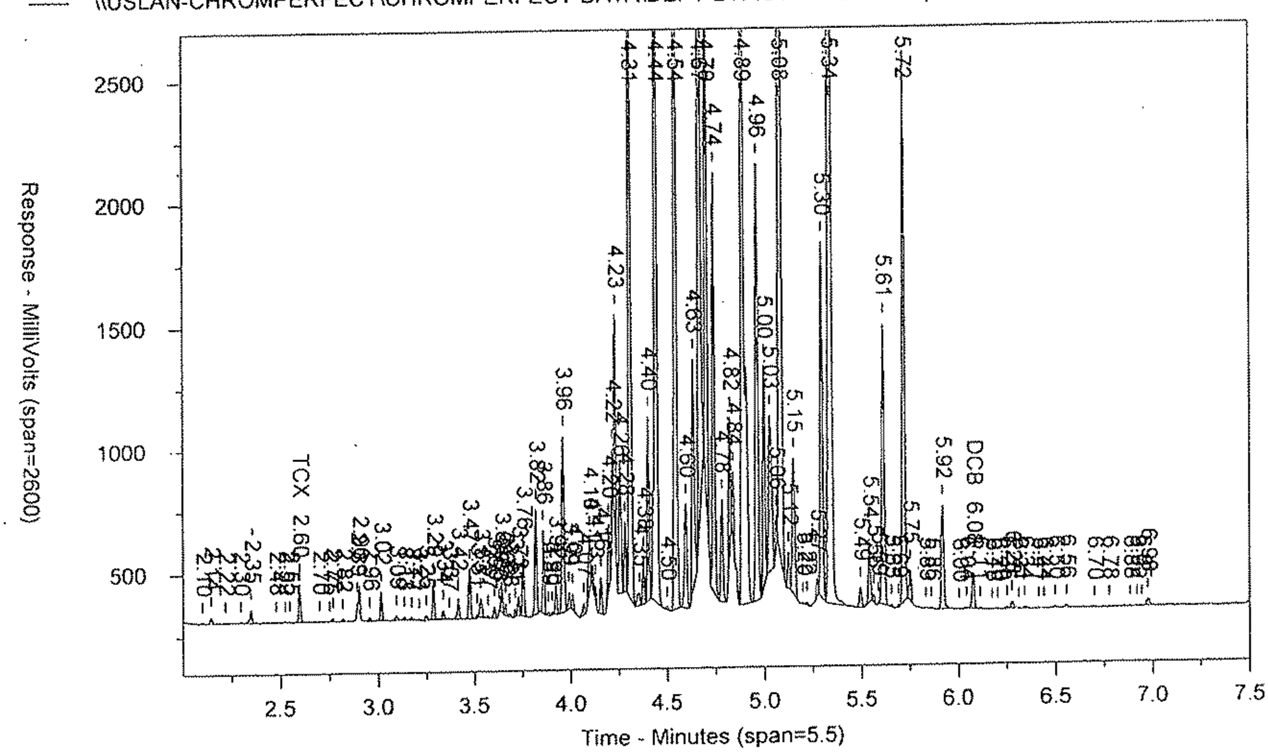
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.256 | | 450275 | 408389 |
| 4.282 | | 286003 | 167681 |
| 4.308 | | 3232679 | 2575496 |
| 4.355 | | 50336 | 57826 |
| 4.376 | | 191037 | 118788 |
| 4.401 | | 748104 | 528207 |
| 4.443 | | 4301595 | 3469069 |
| 4.497 | | 12128 | 8975 |
| 4.544 | | 3186381 | 2861321 |
| 4.597 | | 422542 | 373030 |
| 4.635 | | 937940 | 810136 |
| 4.67 | | 4850306 | 3841009 |
| 4.703 | | 2528133 | 1719301 |
| 4.741 | | 1710295 | 1283622 |
| 4.782 | | 414597 | 310076 |
| 4.822 | | 530351 | 337029 |
| 4.838 | | 271853 | 145463 |
| 4.889 | | 3478056 | 3654935 |
| 4.962 | | 1778357 | 1504333 |
| 4.997 | | 901778 | 680659 |
| 5.028 | | 637525 | 722241 |
| 5.059 | | 138608 | 68211 |
| 5.081 | | 9094144 | 7210320 |
| 5.123 | | 147129 | 98047 |
| 5.148 | | 551647 | 520110 |
| 5.197 | | 6148 | 4113 |
| 5.219 | | 12939 | 8651 |
| 5.272 | | 72132 | 43048 |
| 5.296 | | 1445761 | 1188055 |
| 5.34 | | 5493182 | 5711052 |
| 5.494 | | 81947 | 68180 |
| 5.54 | | 231313 | 182389 |
| 5.562 | | 31283 | 19026 |
| 5.585 | | 8622 | 4242 |
| 5.611 | | 1141440 | 958195 |
| 5.654 | | 8808 | 7653 |
| 5.691 | | 10651 | 6611 |
| 5.719 | | 2248342 | 1821733 |
| 5.749 | | 121854 | 83832 |
| 5.834 | | 4106 | 4012 |
| 5.859 | | 4813 | 4590 |
| 5.917 | | 419900 | 363546 |
| 6.003 | | 2113 | 1558 |
| 6.04 | | 6705 | 6488 |
| 6.077 | DCB | 148632 | 124732 |
| 6.112 | | 8324 | 6645 |
| 6.175 | | 2306 | 2107 |
| 6.204 | | 3631 | 3600 |
| 6.25 | | 8906 | 6700 |
| 6.276 | | 30174 | 26080 |
| 6.312 | | 1955 | 1288 |
| 6.343 | | 8739 | 10616 |
| 6.414 | | 2470 | 1888 |
| 6.44 | | 3911 | 3489 |
| 6.497 | | 8211 | 8320 |
| 6.555 | | 10140 | 9874 |
| 6.7 | | 1436 | 835 |
| 6.778 | | 879 | 1257 |
| 6.884 | | 1514 | 866 |
| 6.92 | | 1465 | 1050 |
| 6.946 | | 1684 | 1129 |
| 6.976 | | 27802 | 26673 |

8577899ACF DF50 ACATW43 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0023.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0023.RAW



LANCASTER LABORATORIES

Sample Number: 8577899ACF DF50 ACATW43 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:31:38 PM
Sample Weight: 10.26
Dilution Factor: 500
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

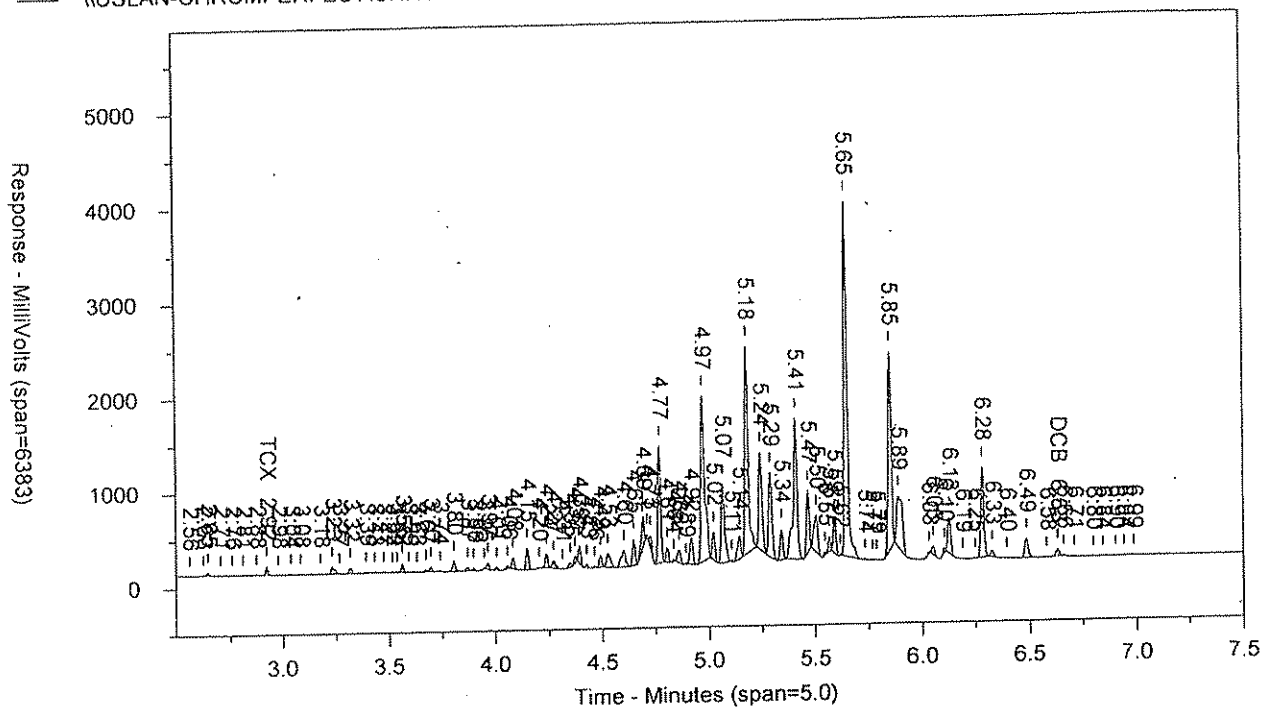
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 95647 | 34.452 | TCX | 2.599 | 153348 | 30.426 | TCX |
| 6.631 | 76924 | 56.083 | DCB | 6.077 | 148632 | 38.075 | DCB |

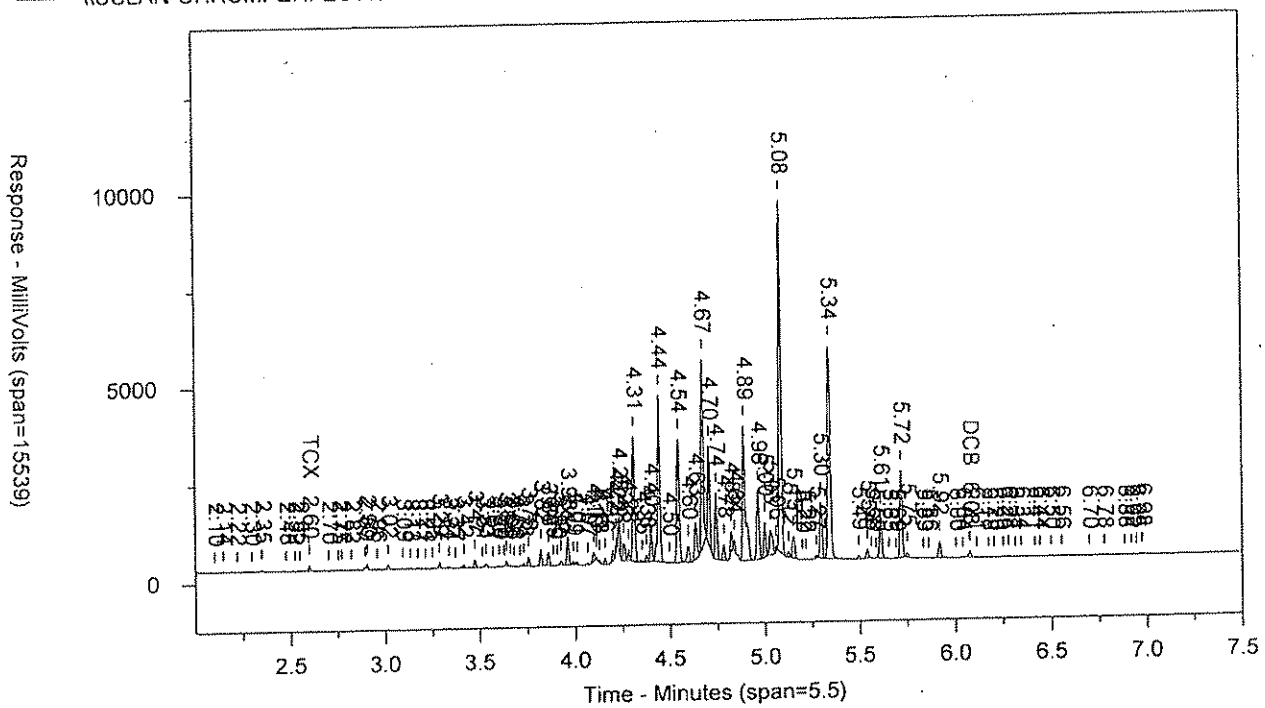
Files:
Area File: 25pcbs16207035.0023.RAW
Area File: 25pcbs16207035B.0023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 1:40:08 PM
File Reported On: 9/15/2016 at 1:40:19 PM

8577899ACF DF50 ACATW43 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0023.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0023.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577900** ACF DF50 ATW44 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 13:42:50 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0024.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 103% ( 46 - 148 ) Conc: 29.85038
%SSR(DCB) 170% ( 49 - 139 ) Conc: 49.45602

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 13:42:50 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0024.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 87% ( 46 - 148 ) Conc: 25.43733
%SSR(DCB) 115% ( 49 - 139 ) Conc: 33.36233

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.46** | |
| 4.76 | 4.77 | 4.80 | 1787558 | 22339.03913 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2578406 | 29779.035137 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1672074 | 31725.155508 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2116006 | 32087.463603 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5522292 | 40119.557399 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3125690 | 39821.575878 | | | 6 |

Height summation: **16802026**
Concentration CF: **32645.304443** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.39** | |
| 4.29 | 4.31 | 4.33 | 4597950 | 23562.016476 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6536186 | 29590.674279 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4715020 | 25594.682863 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4884222 | 33266.072651 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13387130 | 41135.063942 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8127794 | 37272.949296 | | | 6 |

Height summation: **42248302**
Concentration CF: **31736.909918** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2537.3136 | <492.5373 | | | 4 | |
| ☑ PCB-1221 | | | <2537.3136 | <761.1941 | | | 3 | |
| ☑ PCB-1232 | | | <2537.3136 | <611.9403 | | | 4 | |
| ☑ PCB-1242 | | | <2537.3136 | <611.9403 | | | 4 | |
| ☑ PCB-1248 | | | <2537.3136 | <492.5373 | | | 4 | |
| ☑ PCB-1254 | | | <2537.3136 | <656.7164 | | | 4 | |
| ☑ PCB-1260 | A | 32645.304443 | 2537.3136 | 582.0896 | | 2.82 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 81176 | 29.85038 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 125579 | 25.43733 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 66446 | 49.45602 | Decachlorobiphenyl | 6.05 | 6.07 | 6.11 | 127570 | 33.36233 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 29.85038 | | | | 15.96 | |
| ☑ Decachlorobiphenyl | A | 49.45602 | | | | 38.87 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577900** ACF DF50 ATW44 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:42:50
Instrument : P 25--18274A
Result file : 25PCBS16207035.0024.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 103% (46-148) Conc.: 29.85038
%SSR(DCB) : *170% (49-139) Conc.: 49.45602

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 67.28 | |
| 3.17 | 3.18 | 3.21 | 3627.328 | 78.821686 | | | 1 |
| 3.39 | 3.40 | 3.43 | 17017.61 | 376.184715 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3778.082 | 68.735149 | | | 3 |
| 3.73 | 3.74 | 3.77 | 14334.26 | 230.039668 | | | 4 |
| 3.79 | 3.80 | 3.83 | 16512.81 | 311.185808 | | | 5 |
| + 3.98 | 3.99 | 4.02 | 4053.368 | 99.021949 | | | 6 |
| 3.98 | 4.00 | 4.02 | 4179.347 | 102.099559 | | | 6 |
| Height Summation: | | | **59449.437** | | | | |
| Amount Avg CF: | | | **194.511098** | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 17.53 | |
| 3.07 | 3.08 | 3.11 | 1733.824 | 73.477404 | | | 1 |
| 3.17 | 3.18 | 3.21 | 3627.328 | 57.269185 | | | 3 |
| Height Summation: | | | **5361.152** | | | | |
| Amount Avg CF: | | | **65.373295** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 73.59 | |
| 3.17 | 3.18 | 3.21 | 3627.328 | 58.959197 | | | 1 |
| 3.39 | 3.40 | 3.43 | 17017.61 | 677.052406 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3778.082 | 123.310653 | | | 3 |
| 3.73 | 3.74 | 3.77 | 14334.26 | 420.352695 | | | 4 |
| 3.79 | 3.80 | 3.83 | 16512.81 | 575.671972 | | | 5 |
| + 3.99 | 3.99 | 4.02 | 4053.368 | 199.534064 | | | 6 |
| 3.99 | 4.00 | 4.02 | 4179.347 | 205.735599 | | | 6 |
| Height Summation: | | | **59449.437** | | | | |
| Amount Avg CF: | | | **343.513754** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 68.02 | |
| 3.17 | 3.18 | 3.21 | 3627.328 | 107.859199 | | | 1 |
| 3.39 | 3.40 | 3.43 | 17017.61 | 537.134342 | | | 2 |
| 3.51 | 3.51 | 3.55 | 3778.082 | 95.914089 | | | 3 |
| 3.73 | 3.74 | 3.77 | 14334.26 | 326.549825 | | | 4 |
| 3.79 | 3.80 | 3.83 | 16512.81 | 435.82297 | | | 5 |
| + 3.98 | 3.99 | 4.02 | 4053.368 | 139.764633 | | | 6 |
| 3.98 | 4.00 | 4.02 | 4179.347 | 144.108529 | | | 6 |
| Height Summation: | | | **59449.437** | | | | |
| Amount Avg CF: | | | **274.564826** | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 195.58 | |
| 3.79 | 3.80 | 3.83 | 16512.81 | 549.195917 | | | 1 |
| 3.85 | 3.86 | 3.89 | 11410.15 | 224.616112 | | | 2 |
| + 3.98 | 3.99 | 4.02 | 4053.368 | 69.937991 | | | 3 |
| 3.98 | 4.00 | 4.02 | 4179.347 | 72.11167 | | | 3 |
| 4.25 | 4.28 | 4.29 | 11857.79 | 237.962316 | | | 5 |
| 4.64 | 4.65 | 4.68 | 351368.8 | 9660.491848 | | | 6 |
| Height Summation: | | | **395328.897** | | | | |
| Amount Avg CF: | | | **2148.875572** | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 135.98 | |
| 4.23 | 4.24 | 4.27 | 180603 | 2952.246195 | | | 1 |
| 4.58 | 4.60 | 4.62 | 254627.1 | 4338.317001 | | | 2 |
| 4.64 | 4.65 | 4.68 | 351368.8 | 3188.232388 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1787558 | 49988.805248 | | | 4 |
| 4.86 | 4.86 | 4.90 | 176471.4 | 2517.702329 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 18879.77 | 269.356059 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1211095 | 20894.130613 | | | 6 |
| Height Summation: | | | **3961723.3** | | | | |
| Amount Avg CF: | | | **13979.905629** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:42:50
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0024.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 87% (46-148) Conc.: 25.43733
%SSR(DCB) : 115% (49-139). Conc.: 33.36233

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 147.92 | |
| 2.87 | 2.90 | 2.91 | 215053.7 | 2657.089753 | | | 1 |
| 3.19 | 3.21 | 3.23 | 7153.24 | 71.403756 | | | 2 |
| 3.39 | 3.41 | 3.43 | 20419.7 | 190.667245 | | | 3 |
| 3.46 | 3.48 | 3.50 | 38103.69 | 346.189569 | | | 4 |
| 3.63 | 3.64 | 3.67 | 30501.29 | 326.078848 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12283.24 | 131.315913 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 11586 | 144.170133 | | | 6 |
| 3.72 | 3.75 | 3.76 | 31907.59 | 397.041385 | | | 6 |
| Height Summation: | | | **343139.21** | | | | |
| Amount Avg CF: | | | **664.745093** | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 139.46 | |
| + 2.75 | 2.75 | 2.79 | 2102.992 | 46.562322 | | | 1 |
| 2.75 | 2.77 | 2.79 | 9841.839 | 217.908043 | | | 1 |
| 2.81 | 2.82 | 2.85 | 1813.173 | 63.000302 | | | 2 |
| 2.87 | 2.90 | 2.91 | 215053.7 | 1854.862328 | | | 3 |
| Height Summation: | | | **226708.712** | | | | |
| Amount Avg CF: | | | **711.923557** | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 80.92 | |
| 2.87 | 2.90 | 2.91 | 215053.7 | 1893.988618 | | | 1 |
| 3.20 | 3.21 | 3.24 | 7153.24 | 131.922943 | | | 2 |
| 3.39 | 3.41 | 3.43 | 20419.7 | 353.300054 | | | 3 |
| 3.47 | 3.48 | 3.51 | 38103.69 | 671.94546 | | | 4 |
| 3.63 | 3.64 | 3.67 | 30501.29 | 687.34101 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12283.24 | 276.800574 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 11586 | 284.281605 | | | 6 |
| 3.72 | 3.75 | 3.76 | 31907.59 | 782.905307 | | | 6 |
| Height Summation: | | | **343139.21** | | | | |
| Amount Avg CF: | | | **753.567232** | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 146.24 | |
| 2.87 | 2.90 | 2.91 | 215053.7 | 3606.233208 | | | 1 |
| 3.20 | 3.21 | 3.24 | 7153.24 | 96.913165 | | | 2 |
| 3.39 | 3.41 | 3.43 | 20419.7 | 262.247321 | | | 3 |
| 3.47 | 3.48 | 3.51 | 38103.69 | 505.474414 | | | 4 |
| 3.63 | 3.64 | 3.67 | 30501.29 | 450.41558 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 12283.24 | 181.387826 | | | 5 |
| + 3.72 | 3.73 | 3.76 | 11586 | 196.372439 | | | 6 |
| 3.72 | 3.75 | 3.76 | 31907.59 | 540.805391 | | | 6 |
| Height Summation: | | | **343139.21** | | | | |
| Amount Avg CF: | | | **910.34818** | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 140.09 | |
| + 3.50 | 3.51 | 3.54 | 17089.06 | 158.727265 | | | 1 |
| 3.50 | 3.54 | 3.54 | 71658.4 | 665.580308 | | | 1 |
| 3.63 | 3.64 | 3.67 | 30501.29 | 234.310077 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 12283.24 | 94.359514 | | | 2 |
| + 3.72 | 3.73 | 3.76 | 11586 | 121.956949 | | | 3 |
| 3.72 | 3.75 | 3.76 | 31907.59 | 335.866765 | | | 3 |
| 3.85 | 3.86 | 3.89 | 392229.2 | 2172.30916 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 15456.8 | 85.605427 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 266284.2 | 3270.425269 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1364665 | 16760.419504 | | | 5 |
| + 4.37 | 4.37 | 4.40 | 187976.8 | 3851.655049 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1141964 | 23398.905646 | | | 6 |
| Height Summation: | | | **3032925.48** | | | | |
| Amount Avg CF: | | | **7261.23191** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577900** ACF DF50 ATW44 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:42:50
Instrument : P 25--18274A
Result file : 25PCBS16207035.0024.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 20.46 | |
| 4.76 | 4.77 | 4.80 | 1787558 | 22339.03913 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2578406 | 29779.035137 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1672074 | 31725.155508 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2116006 | 32087.463603 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5522292 | 40119.557399 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3125690 | 39821.575878 | | | 6 |
| Height Summation: | | | 16802026 | | | | |
| Amount Avg CF: | | | 32645.304442 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 21.83 | |
| E 5.23 | 5.24 | 5.27 | 1672074 | 17720.637609 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2116006 | 25727.804359 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5522292 | 29444.437713 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3125690 | 29109.161988 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1333212 | 19989.890442 | | | 6 |
| Height Summation: | | | 13769274 | | | | |
| Amount Avg CF: | | | 24398.386422 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.37 | |
| E 5.84 | 5.85 | 5.88 | 3125690 | 14323.811895 | | | 1 |
| 6.03 | 6.04 | 6.07 | 62739.91 | 354.90086 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 81803.24 | 1669.36208 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 554330.9 | 11312.253452 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1333212 | 17601.287338 | | | 5 |
| 6.48 | 6.48 | 6.52 | 267809.3 | 516.655619 | | | 6 |
| Height Summation: | | | 5343782.11 | | | | |
| Amount Avg CF: | | | 8821.781833 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:42:50
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0024.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 128.08 | |
| 4.15 | 4.16 | 4.19 | 149008.5 | 1012.63942 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 266284.2 | 1040.767553 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1364665 | 5333.77141 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4597950 | 38141.968267 | | | 3 |
| + 4.37 | 4.37 | 4.41 | 187976.8 | 1155.77854 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1141964 | 7021.385003 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6536186 | 67014.68197 | | | 5 |
| 4.58 | 4.60 | 4.62 | 606961.6 | 5342.128218 | | | 6 |
| Height Summation: | | | 14396735.1 | | | | |
| Amount Avg CF: | | | 20644.429048 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.39 | |
| 4.29 | 4.31 | 4.33 | 4597950 | 23562.016476 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6536186 | 29590.674279 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4715020 | 25594.682863 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4884222 | 33266.072651 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 483350.7 | 3292.065656 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13387130 | 41135.063942 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8127794 | 37272.949296 | | | 6 |
| Height Summation: | | | 42248302 | | | | |
| Amount Avg CF: | | | 31736.909918 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.99 | |
| E 4.69 | 4.70 | 4.73 | 3678057 | 14717.00352 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4884222 | 19153.060176 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 483350.7 | 1895.418563 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 13387130 | 28604.403794 | | | 3 |
| E 5.28 | 5.29 | 5.32 | 2159815 | 11193.957291 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 8127794 | 25450.860998 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3239208 | 18878.678175 | | | 6 |
| Height Summation: | | | 35476226 | | | | |
| Amount Avg CF: | | | 19666.327326 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.03 | |
| 5.29 | 5.29 | 5.33 | 2159815 | 3762.702916 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 8127794 | 14627.898955 | | | 2 |
| 5.49 | 5.49 | 5.53 | 113061.2 | 232.204004 | | | 3 |
| 5.55 | 5.56 | 5.59 | 53963.67 | 461.529286 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 15018.44 | 128.446599 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3239208 | 16446.195682 | | | 5 |
| 5.91 | 5.92 | 5.95 | 592805 | 366.01809 | | | 6 |
| Height Summation: | | | 14286646.87 | | | | |
| Amount Avg CF: | | | 5982.758155 | Linear: | | | |

## 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 | | ** 109.45 | 4 | 40 | |
| Aroclor-1221 | | | 2537.3133 | 761.194 | | ** 166.36 | 3 | 5 | |
| Aroclor-1232 | | | 2537.3133 | 611.9403 | | ** 74.75 | 4 | 10 | |
| Aroclor-1242 | | | 2537.3133 | 611.9403 | | ** 107.31 | 4 | 30 | |
| Aroclor-1248 | | | 2537.3133 | 492.5373 | | ** 108.66 | 4 | 40 | |
| Aroclor-1254 | | | 2537.3133 | 656.7164 | E | 38.50 | 4 | 40 | |
| Aroclor-1260 | | | 2537.3133 | 582.0895 | | 2.82 | 4 | 40 | |
| Aroclor-1262 | | | 2537.3133 | 492.5373 | E | 21.48 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577900** ACF DF50 ATW44 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 13:42:50 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0024.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 13:42:50 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0024.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 2537.3133 | 492.5373 | E | 38.35 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577900ACF DF50 ACATW44 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:42:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.037 | | 10756 | 11641 |
| 2.088 | | 9073 | 12089 |
| 2.136 | | 5372 | 5828 |
| 2.196 | | 89163 | 68790 |
| 2.282 | | 3358 | 2184 |
| 2.308 | | 6714 | 5094 |
| 2.381 | | 15911 | 17736 |
| 2.491 | | 2722 | 3901 |
| 2.558 | | 1668 | 2947 |
| 2.626 | | 6779 | 4092 |
| 2.647 | | 48233 | 31387 |
| 2.702 | | 990 | 1412 |
| 2.756 | | 6348 | 9481 |
| 2.799 | | 2418 | 1942 |
| 2.877 | | 1192 | 1173 |
| 2.925 | TCX | 81176 | 53977 |
| 2.96 | | 1779 | 1372 |
| 3.038 | | 7015 | 4467 |
| 3.084 | | 1734 | 2742 |
| 3.182 | | 3627 | 5336 |
| 3.232 | | 122747 | 116954 |
| 3.318 | | 8108 | 6512 |
| 3.4 | | 17018 | 33497 |
| 3.472 | | 3551 | 4221 |
| 3.515 | | 3778 | 2567 |
| 3.563 | | 13217 | 9626 |
| 3.592 | | 9218 | 6077 |
| 3.628 | | 1719 | 2272 |
| 3.672 | | 4328 | 2598 |
| 3.697 | | 8564 | 8000 |
| 3.738 | | 14334 | 12108 |
| 3.803 | | 16513 | 21654 |
| 3.864 | | 11410 | 10269 |
| 3.897 | | 37263 | 29583 |
| 3.926 | | 5289 | 6021 |
| 3.964 | | 10548 | 7325 |
| 3.986 | | 4053 | 2263 |
| 4.004 | | 4179 | 3378 |
| 4.042 | | 2938 | 1692 |
| 4.067 | | 26649 | 39837 |
| 4.117 | | 3195 | 2521 |
| 4.148 | | 36025 | 30196 |
| 4.201 | | 19116 | 15262 |
| 4.237 | | 180603 | 156599 |
| 4.282 | | 11858 | 7711 |
| 4.308 | | 1670 | 1168 |
| 4.348 | | 58310 | 46186 |
| 4.393 | | 246336 | 238610 |
| 4.426 | | 39551 | 30938 |
| 4.464 | | 6679 | 4655 |
| 4.49 | | 26011 | 20730 |
| 4.529 | | 116452 | 129071 |
| 4.6 | | 254627 | 337585 |
| 4.646 | | 351369 | 321562 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.692 | | 694923 | 807414 |
| 4.729 | | 169723 | 125562 |
| 4.769 | | 1787558 | 1667199 |
| 4.806 | | 33600 | 31455 |
| 4.859 | | 176471 | 218389 |
| 4.891 | | 18880 | 11370 |
| 4.916 | | 406833 | 392516 |
| 4.97 | | 2578406 | 3071582 |
| 5.019 | | 429816 | 393192 |
| 5.063 | | 1211095 | 1346814 |
| 5.105 | | 25481 | 14739 |
| 5.142 | | 281352 | 321067 |
| 5.178 | | 3311962 | 3515040 |
| 5.24 | | 1672074 | 1496065 |
| 5.284 | | 1137041 | 1117649 |
| 5.338 | | 43234 | 36446 |
| 5.406 | | 2116006 | 2846130 |
| 5.465 | | 998662 | 925618 |
| 5.504 | | 539398 | 505851 |
| 5.544 | | 99370 | 91674 |
| 5.59 | | 549378 | 524051 |
| 5.618 | | 21724 | 11104 |
| 5.645 | | 5522293 | 5811846 |
| 5.734 | | 15446 | 14907 |
| 5.767 | | 5994 | 3949 |
| 5.788 | | 8957 | 5899 |
| 5.852 | | 3125691 | 3205732 |
| 5.89 | | 823698 | 1549710 |
| 6.036 | | 62740 | 111523 |
| 6.101 | | 81803 | 59925 |
| 6.125 | | 554331 | 501115 |
| 6.186 | | 3719 | 4834 |
| 6.249 | | 5088 | 4270 |
| 6.283 | | 1333212 | 1365723 |
| 6.327 | | 96738 | 91316 |
| 6.393 | | 4881 | 6474 |
| 6.483 | | 267809 | 308649 |
| 6.606 | | 4844 | 3905 |
| 6.629 | DCB | 66446 | 60690 |
| 6.657 | | 7192 | 9577 |
| 6.708 | | 6631 | 6586 |
| 6.744 | | 1800 | 1124 |
| 6.796 | | 2464 | 3544 |
| 6.843 | | 1719 | 1949 |
| 6.899 | | 2710 | 4576 |
| 6.942 | | 7764 | 8598 |
| 6.986 | | 3268 | 3267 |

LANCASTER LABORATORIES

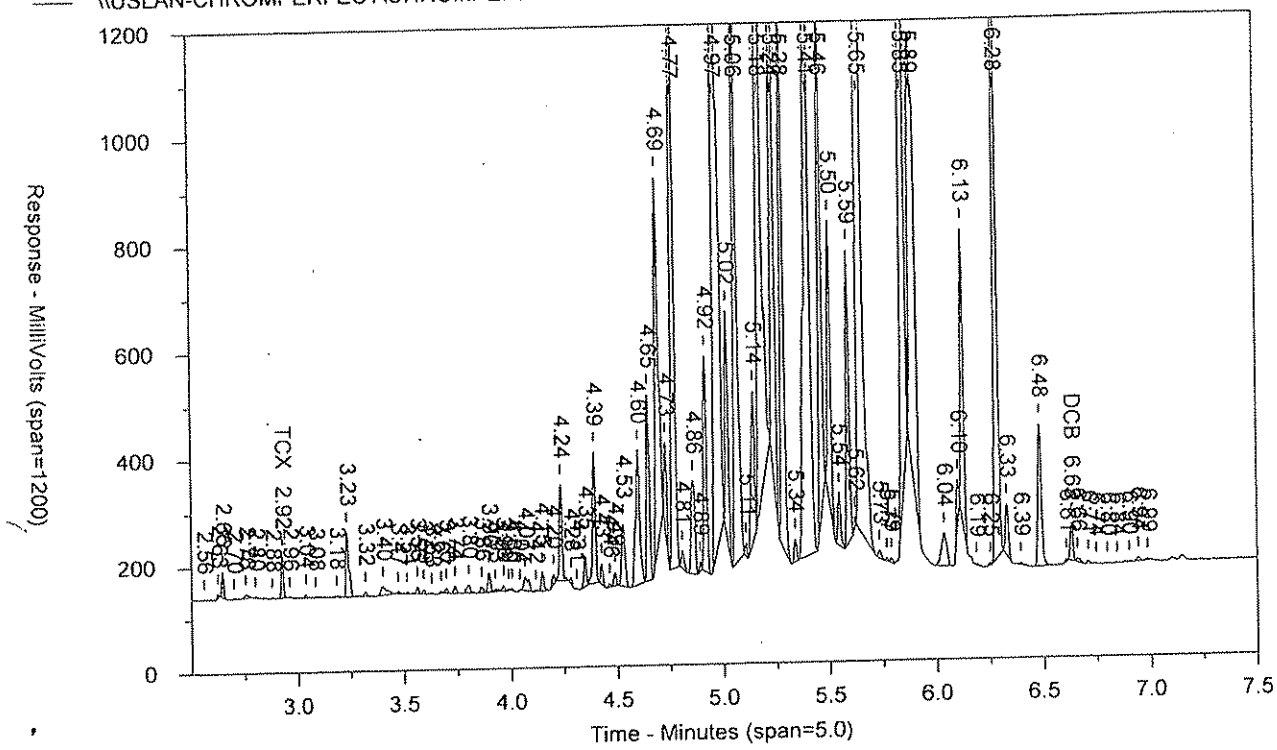
Sample Number: 8577900ACF DF50 ACATW44 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:42:50 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.097 | | 6802 | 7555 |
| 2.144 | | 19015 | 15830 |
| 2.217 | | 4461 | 5573 |
| 2.268 | | 1824 | 1400 |
| 2.296 | | 6501 | 6347 |
| 2.349 | | 84079 | 65463 |
| 2.477 | | 5892 | 8057 |
| 2.525 | | 1420 | 1667 |
| 2.576 | | 2167 | 1787 |
| 2.598 | TCX | 125579 | 73004 |
| 2.704 | | 3000 | 5359 |
| 2.754 | | 2103 | 962 |
| 2.769 | | 9842 | 5069 |
| 2.82 | | 1813 | 2103 |
| 2.904 | | 215054 | 160969 |
| 2.958 | | 1723 | 859 |
| 2.995 | | 1044 | 548 |
| 3.015 | | 15217 | 8855 |
| 3.042 | | 2193 | 1429 |
| 3.09 | | 6600 | 4313 |
| 3.133 | | 2754 | 1684 |
| 3.162 | | 3272 | 2697 |
| 3.186 | | 2986 | 2099 |
| 3.213 | | 7153 | 8109 |
| 3.248 | | 19511 | 14112 |
| 3.287 | | 19143 | 15053 |
| 3.337 | | 6218 | 3676 |
| 3.368 | | 6135 | 6280 |
| 3.412 | | 20420 | 21140 |
| 3.476 | | 38104 | 29203 |
| 3.512 | | 17089 | 9252 |
| 3.536 | | 71658 | 44821 |
| 3.569 | | 12581 | 9279 |
| 3.602 | | 4318 | 2523 |
| 3.64 | | 30501 | 21928 |
| 3.661 | | 12283 | 6529 |
| 3.683 | | 10065 | 6614 |
| 3.711 | | 47207 | 26258 |
| 3.729 | | 11586 | 5991 |
| 3.754 | | 31908 | 25154 |
| 3.817 | | 67305 | 62380 |
| 3.842 | | 6521 | 2979 |
| 3.858 | | 392229 | 247443 |
| 3.884 | | 15457 | 8090 |
| 3.903 | | 14704 | 7434 |
| 3.922 | | 133640 | 87519 |
| 3.957 | | 552991 | 377803 |
| 3.989 | | 81198 | 47768 |
| 4.005 | | 43213 | 22490 |
| 4.067 | | 19742 | 21807 |
| 4.091 | | 143475 | 157953 |
| 4.128 | | 29355 | 22264 |
| 4.156 | | 149009 | 100797 |
| 4.198 | | 383175 | 232549 |

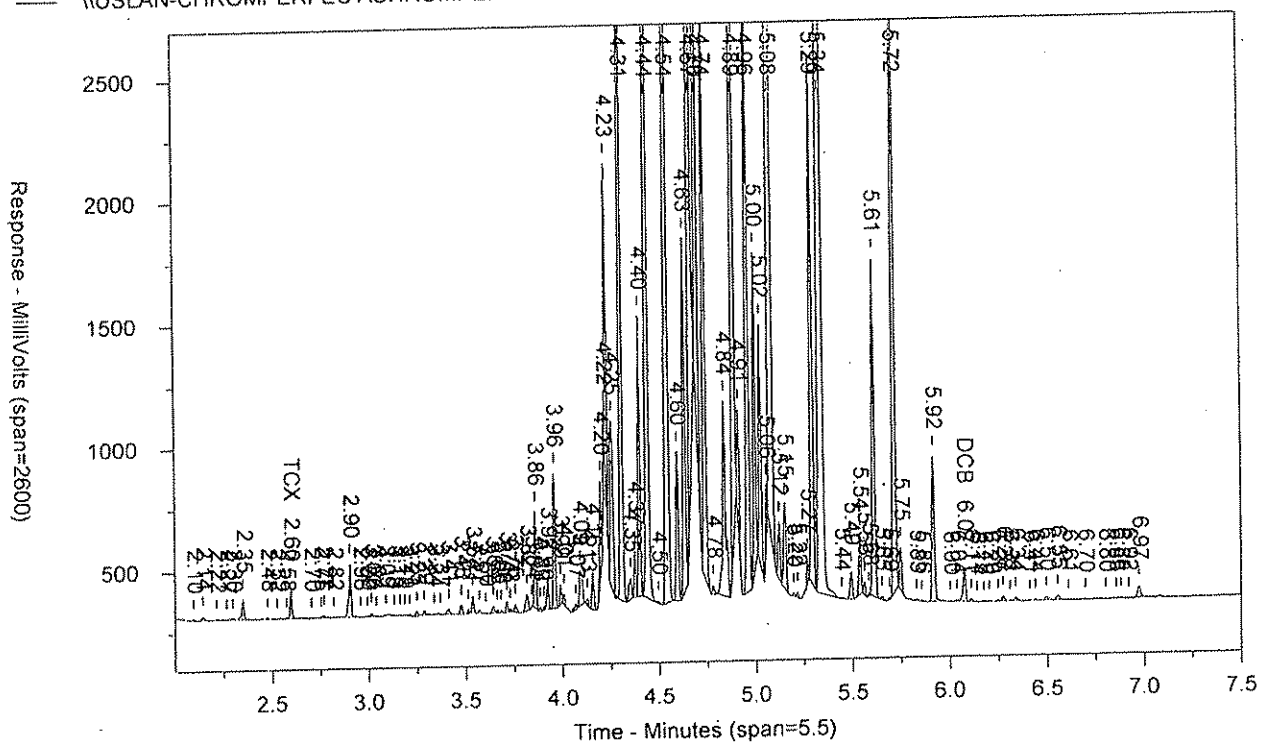
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.216 | | 266284 | 126194 |
| 4.229 | | 1364665 | 775804 |
| 4.254 | | 676866 | 660322 |
| 4.306 | | 4597950 | 3227662 |
| 4.353 | | 86203 | 90210 |
| 4.375 | | 187977 | 112312 |
| 4.399 | | 1141964 | 814897 |
| 4.441 | | 6536186 | 4789306 |
| 4.495 | | 11616 | 7863 |
| 4.542 | | 4715020 | 4253612 |
| 4.595 | | 606962 | 484516 |
| 4.633 | | 1445131 | 1212461 |
| 4.668 | | 7378322 | 5810248 |
| 4.701 | | 3678057 | 2549868 |
| 4.739 | | 2600142 | 1967398 |
| 4.779 | | 38583 | 27418 |
| 4.837 | | 793022 | 855022 |
| 4.887 | | 4884222 | 3638185 |
| 4.911 | | 483351 | 306606 |
| 4.96 | | 2667954 | 2223810 |
| 4.996 | | 1291068 | 997998 |
| 5.025 | | 980291 | 777596 |
| 5.057 | | 188438 | 108628 |
| 5.08 | | 13387130 | 10840520 |
| 5.121 | | 230875 | 164445 |
| 5.151 | | 348138 | 299361 |
| 5.196 | | 13059 | 9310 |
| 5.217 | | 21226 | 13127 |
| 5.27 | | 99181 | 59271 |
| 5.294 | | 2159815 | 1721251 |
| 5.338 | | 8127795 | 8575920 |
| 5.444 | | 5732 | 6775 |
| 5.493 | | 113061 | 95434 |
| 5.538 | | 236052 | 183726 |
| 5.561 | | 53964 | 33538 |
| 5.584 | | 15018 | 7921 |
| 5.61 | | 1375339 | 1128225 |
| 5.65 | | 12080 | 11300 |
| 5.69 | | 9931 | 5513 |
| 5.717 | | 3239208 | 2632248 |
| 5.748 | | 174072 | 120699 |
| 5.829 | | 7055 | 7068 |
| 5.857 | | 4987 | 5314 |
| 5.916 | | 592805 | 500937 |
| 6.001 | | 3582 | 3218 |
| 6.036 | | 5286 | 4605 |
| 6.075 | DCB | 127570 | 115038 |
| 6.11 | | 11286 | 9215 |
| 6.14 | | 1714 | 1427 |
| 6.175 | | 2803 | 2923 |
| 6.204 | | 5194 | 4224 |
| 6.249 | | 8897 | 6812 |
| 6.275 | | 21991 | 19551 |
| 6.312 | | 3450 | 2178 |
| 6.34 | | 13744 | 14347 |
| 6.414 | | 2099 | 1542 |
| 6.44 | | 6932 | 5832 |
| 6.495 | | 12177 | 9859 |
| 6.553 | | 19733 | 18733 |
| 6.611 | | 1606 | 1074 |
| 6.697 | | 2337 | 4131 |
| 6.801 | | 1509 | 1497 |
| 6.854 | | 2387 | 2389 |
| 6.879 | | 2612 | 2378 |
| 6.919 | | 2521 | 3223 |
| 6.974 | | 46228 | 47749 |

8577900ACF DF50 ACATW44 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0024.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0024.RAW



LANCASTER LABORATORIES

Sample Number: 8577900ACF DF50 ACATW44 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:42:50 PM
Sample Weight: 10.05
Instrument ID: CP25-18274
Dilution Factor: 500
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: 4
Calibration Type: external
Quantitation: Height

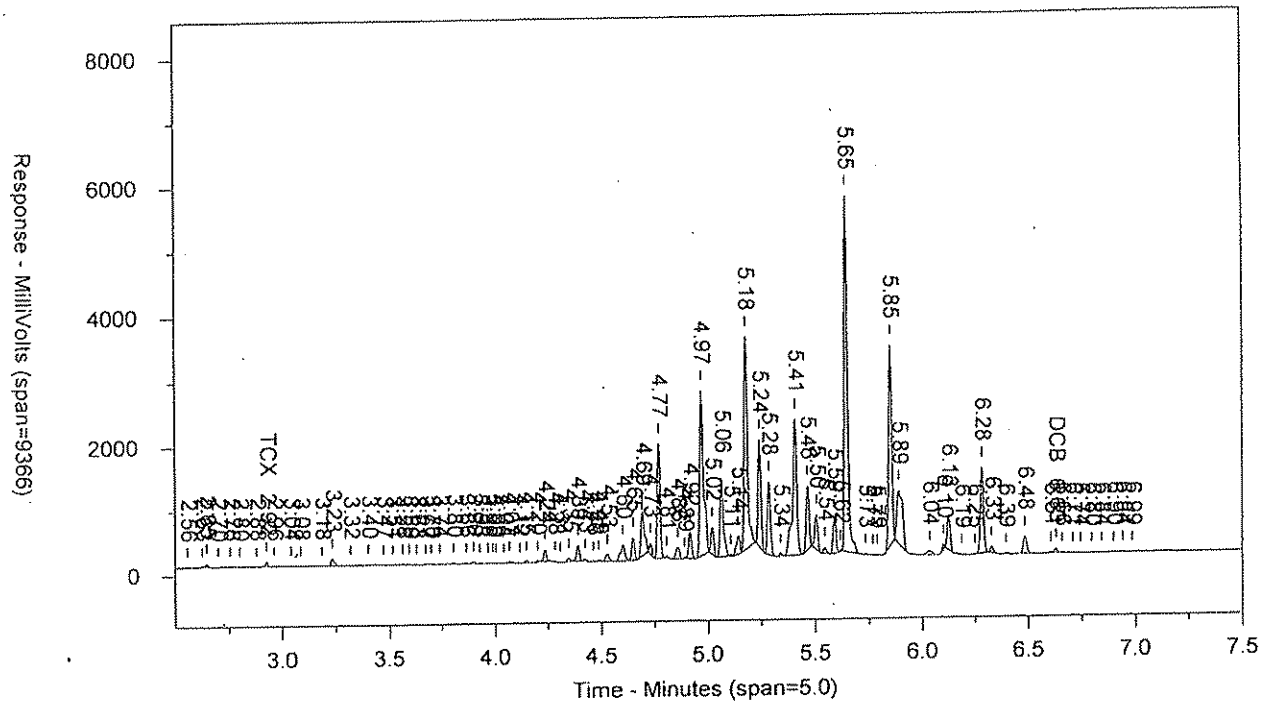
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 81176 | 29.85 | TCX | 2.598 | 125579 | 25.437 | TCX |
| 6.629 | 66446 | 49.456 | DCB | 6.075 | 127570 | 33.362 | DCB |

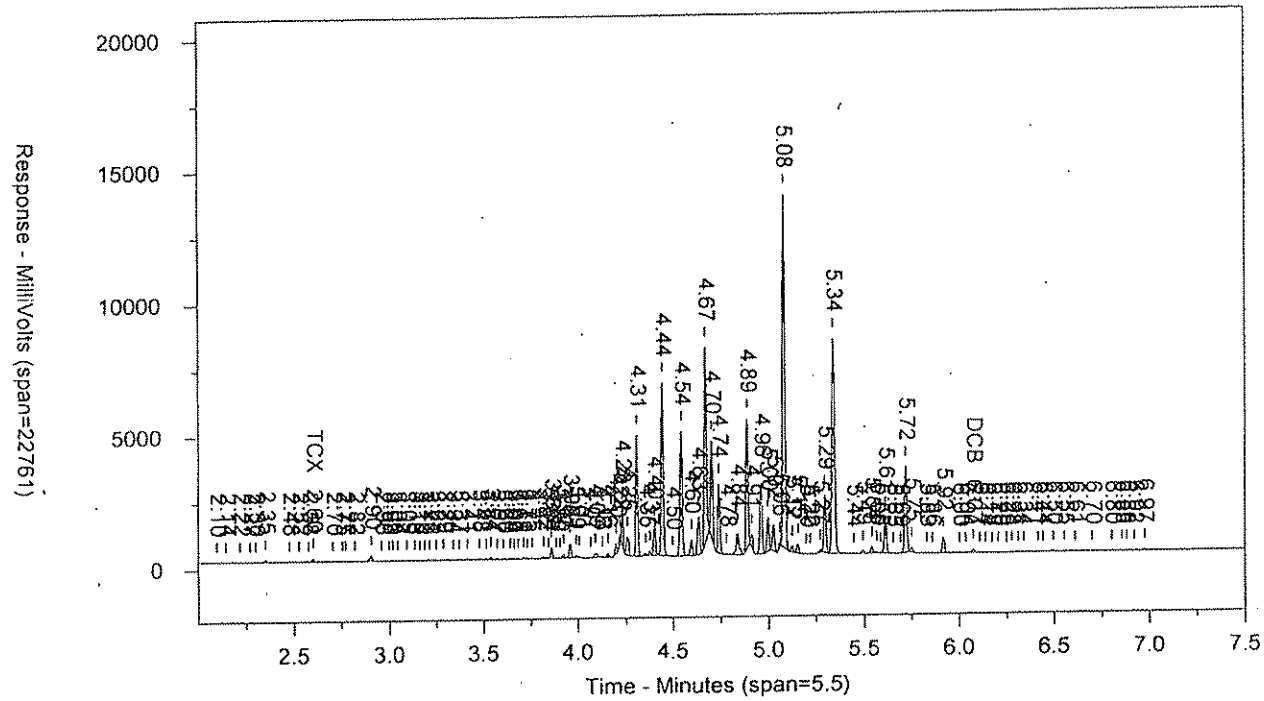
Files:
Area File: 25pcbs16207035.0024.RAW
Area File: 25pcbs16207035B.0024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 1:51:23 PM
File Reported On: 9/15/2016 at 1:51:29 PM

8577900ACF DF50 ACATW44 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0024.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0024.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577901** ACF DF20 ATW45 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:54:41 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0025.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 104% ( 46 - 148 ) Conc: 30.10649
%SSR(DCB) * 163% ( 49 - 139 ) Conc: 47.1702

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 13:54:41 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0025.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 94% ( 46 - 148 ) Conc: 27.09556
%SSR(DCB) 108% ( 49 - 139 ) Conc: 31.27228

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.26** | |
| 4.76 | 4.78 | 4.80 | 1996693 | 9902.212681 | | | 1 |
| 4.96 | 4.98 | 5.00 | 2854799 | 13084.329211 | | | 2 |
| 5.23 | 5.25 | 5.27 | 1724106 | 12981.618339 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2358184 | 14190.993148 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6249744 | 18018.374213 | | | 5 |
| 5.84 | 5.86 | 5.88 | 3440094 | 17392.397667 | | | 6 |

Height summation: **18623620**
Concentration CF: **14261.65421** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **22.95** | |
| 4.29 | 4.31 | 4.33 | 4927172 | 10019.880497 | | | 1 |
| 4.43 | 4.45 | 4.47 | 7031236 | 12632.192694 | | | 2 |
| 4.53 | 4.55 | 4.57 | 5231134 | 11268.825821 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5289450 | 14296.616253 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15101280 | 18414.29362 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9023792 | 16422.026727 | | | 6 |

Height summation: **46604064**
Concentration CF: **13842.305935** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <1006.9102 | <195.459 | | | 4 | |
| ☑ PCB-1221 | | | <1006.9102 | <302.0731 | | | 3 | |
| ☑ PCB-1232 | | | <1006.9102 | <242.843 | | | 4 | |
| ☑ PCB-1242 | | | <1006.9102 | <242.843 | | | 4 | |
| ☑ PCB-1248 | | | <1006.9102 | <195.459 | | | 4 | |
| ☑ PCB-1254 | | | <1006.9102 | <260.612 | | | 4 | |
| ☑ PCB-1260 | A | 14261.65421 | 1006.9102 | 230.997 | | 2.98 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 206310 | 30.10649 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 337076 | 27.09556 |
| Decachlorobiphenyl | 6.61 | 6.64 | 6.67 | 159699 | 47.1702 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 301325 | 31.27228 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 30.10649 | | | | 10.53 | |
| ☑ Decachlorobiphenyl | A | 47.1702 | | | P | 40.53 | |

Units: ug/kg

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

Reviewed by: Jim B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577901** ACF DF20 ATW45 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274A
Result file : 25PCBS16207035.0025.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) 104% (46-148) Conc.: 30.10649
%SSR(DCB) *163% (49-139) Conc.: 47.1702

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 63.84 | |
| 3.17 | 3.18 | 3.21 | 4457.732 | 38.440538 | | | 1 |
| 3.39 | 3.40 | 3.43 | 22002.99 | 193.019368 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5192.968 | 37.492099 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17056.57 | 108.626494 | | | 4 |
| 3.79 | 3.80 | 3.83 | 10695.99 | 79.990128 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8538.905 | 82.781678 | | | 6 |
| Height Summation: | | | 67945.155 | | | | |
| Amount Avg CF: | | | 90.058384 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 0.90 | |
| 3.07 | 3.07 | 3.11 | 1682.04 | 28.287966 | | | 1 |
| 3.17 | 3.18 | 3.21 | 4457.732 | 27.929602 | | | 3 |
| Height Summation: | | | 6139.772 | | | | |
| Amount Avg CF: | | | 28.108784 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 70.18 | |
| 3.17 | 3.18 | 3.21 | 4457.732 | 28.753803 | | | 1 |
| 3.39 | 3.40 | 3.43 | 22002.99 | 347.393772 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5192.968 | 67.260714 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17056.57 | 198.493764 | | | 4 |
| 3.79 | 3.80 | 3.83 | 10695.99 | 147.976141 | | | 5 |
| 3.99 | 3.99 | 4.02 | 8538.905 | 166.809125 | | | 6 |
| Height Summation: | | | 67945.155 | | | | |
| Amount Avg CF: | | | 159.447887 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 65.04 | |
| 3.17 | 3.18 | 3.21 | 4457.732 | 52.601839 | | | 1 |
| 3.39 | 3.40 | 3.43 | 22002.99 | 275.602189 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5192.968 | 52.317054 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17056.57 | 154.19933 | | | 4 |
| 3.79 | 3.80 | 3.83 | 10695.99 | 112.028037 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8538.905 | 116.842285 | | | 6 |
| Height Summation: | | | 67945.155 | | | | |
| Amount Avg CF: | | | 127.265122 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 203.49 | |
| 3.79 | 3.80 | 3.83 | 10695.99 | 141.170487 | | | 1 |
| 3.85 | 3.87 | 3.89 | 16806.05 | 131.290049 | | | 2 |
| 3.98 | 3.99 | 4.02 | 8538.905 | 58.467687 | | | 3 |
| 4.07 | 4.07 | 4.11 | 31861.94 | 267.594393 | | | 4 |
| + 4.25 | 4.26 | 4.29 | 19093.7 | 152.058651 | | | 5 |
| 4.25 | 4.29 | 4.29 | 31589.28 | 251.57111 | | | 5 |
| 4.64 | 4.65 | 4.68 | 472484.4 | 5155.135971 | | | 6 |
| Height Summation: | | | 571976.565 | | | | |
| Amount Avg CF: | | | 1000.871616 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 132.35 | |
| 4.23 | 4.24 | 4.27 | 204726.2 | 1328.059841 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 19093.7 | 123.860923 | | | 1 |
| 4.58 | 4.61 | 4.62 | 272567.7 | 1842.924978 | | | 2 |
| 4.64 | 4.65 | 4.68 | 472484.4 | 1701.338993 | | | 3 |
| E 4.77 | 4.78 | 4.81 | 1996693 | 22158.508177 | | | 4 |
| 4.86 | 4.87 | 4.90 | 254392.6 | 1440.293937 | | | 5 |
| + 4.86 | 4.90 | 4.90 | 23096.33 | 130.764433 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1391021 | 9523.495662 | | | 6 |
| Height Summation: | | | 4591884.9 | | | | |
| Amount Avg CF: | | | 6332.436931 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0025.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 94% (46-148) Conc.: 27.09556
%SSR(DCB) : 108% (49-139) Conc.: 31.27228

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 127.88 | |
| + 2.87 | 2.89 | 2.91 | 26046.46 | 127.709916 | | | 1 |
| 2.87 | 2.90 | 2.91 | 162076.9 | 794.688695 | | | 1 |
| 3.19 | 3.21 | 3.23 | 8732.914 | 34.593464 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 1996.129 | 7.396597 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17974.41 | 66.603643 | | | 3 |
| 3.46 | 3.48 | 3.50 | 25081.48 | 90.43087 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25639.85 | 108.776858 | | | 5 |
| + 3.63 | 3.67 | 3.67 | 11604.37 | 49.231447 | | | 5 |
| 3.72 | 3.72 | 3.76 | 53272.57 | 263.06437 | | | 6 |
| + 3.72 | 3.73 | 3.76 | 11653.76 | 57.547234 | | | 6 |
| Height Summation: | | | 292778.124 | | | | |
| Amount Avg CF: | | | 226.35965 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 116.79 | |
| + 2.75 | 2.76 | 2.79 | 1395.896 | 12.264975 | | | 1 |
| 2.75 | 2.77 | 2.79 | 14526.13 | 127.633165 | | | 1 |
| 2.81 | 2.83 | 2.85 | 2342.91 | 32.305435 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 26046.46 | 89.151792 | | | 3 |
| 2.87 | 2.90 | 2.91 | 162076.9 | 554.756617 | | | 3 |
| Height Summation: | | | 178945.94 | | | | |
| Amount Avg CF: | | | 238.231739 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 86.14 | |
| + 2.87 | 2.89 | 2.91 | 26046.46 | 91.032351 | | | 1 |
| 2.87 | 2.90 | 2.91 | 162076.9 | 566.4586 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8732.914 | 63.913607 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 1996.129 | 13.705648 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17974.41 | 123.414332 | | | 3 |
| 3.47 | 3.48 | 3.51 | 25081.48 | 175.5241 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25639.85 | 229.29054 | | | 5 |
| + 3.63 | 3.67 | 3.67 | 11604.37 | 103.774876 | | | 5 |
| 3.72 | 3.73 | 3.76 | 11653.76 | 113.474404 | | | 6 |
| Height Summation: | | | 251159.314 | | | | |
| Amount Avg CF: | | | 212.012597 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 152.60 | |
| + 2.87 | 2.89 | 2.91 | 26046.46 | 173.329388 | | | 1 |
| 2.87 | 2.90 | 2.91 | 162076.9 | 1078.560766 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8732.914 | 46.952181 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 1996.129 | 10.173419 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17974.41 | 91.607906 | | | 3 |
| 3.47 | 3.48 | 3.51 | 25081.48 | 132.038904 | | | 4 |
| 3.63 | 3.64 | 3.67 | 25639.85 | 150.25443 | | | 5 |
| + 3.63 | 3.67 | 3.67 | 11604.37 | 68.00383 | | | 5 |
| 3.72 | 3.73 | 3.76 | 11653.76 | 78.384409 | | | 6 |
| Height Summation: | | | 251159.314 | | | | |
| Amount Avg CF: | | | 262.966433 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577901** ACF DF20 ATW45 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274A
Result file : 25PCBS16207035.0025.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 21.26 | |
| 4.76 | 4.78 | 4.80 | 1996693 | 9902.212681 | | | 1 |
| 4.96 | 4.98 | 5.00 | 2854799 | 13084.329211 | | | 2 |
| 5.23 | 5.25 | 5.27 | 1724106 | 12981.618339 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2358184 | 14190.993148 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6249744 | 18018.374213 | | | 5 |
| 5.84 | 5.86 | 5.88 | 3440094 | 17392.397667 | | | 6 |
| Height Summation: | | | 18623620 | | | | |
| Amount Avg CF: | | | 14261.65421 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 24.11 | |
| E 5.23 | 5.25 | 5.27 | 1724106 | 7251.108796 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2358184 | 11378.371937 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 6249744 | 13223.996764 | | | 3 |
| E 5.84 | 5.86 | 5.88 | 3440094 | 12713.663633 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1475532 | 8779.634575 | | | 6 |
| Height Summation: | | | 15247660 | | | | |
| Amount Avg CF: | | | 10669.355141 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.65 | |
| E 5.84 | 5.86 | 5.88 | 3440094 | 6256.041533 | | | 1 |
| 6.03 | 6.04 | 6.07 | 65196 | 146.352693 | | | 3 |
| + 6.10 | 6.11 | 6.14 | 85806.53 | 694.891479 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 604080.4 | 4892.05568 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1475532 | 7730.551167 | | | 5 |
| 6.48 | 6.49 | 6.52 | 301862.2 | 231.100478 | | | 6 |
| Height Summation: | | | 5886764.6 | | | | |
| Amount Avg CF: | | | 3851.22031 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0025.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1248** | | | | | 6 | 141.87 | |
| 3.50 | 3.52 | 3.54 | 28693.08 | 105.761386 | | | 1 |
| 3.63 | 3.64 | 3.67 | 25639.85 | 78.163653 | | | 2 |
| + 3.63 | 3.67 | 3.67 | 11604.37 | 35.37618 | | | 2 |
| 3.72 | 3.73 | 3.76 | 11653.76 | 48.680576 | | | 3 |
| 3.85 | 3.86 | 3.89 | 497413.1 | 1093.240061 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 40027.82 | 87.975199 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 446998.6 | 2178.620581 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1346134 | 6560.904748 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 367894.5 | 2991.458869 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1181324 | 9605.694451 | | | 6 |
| Height Summation: | | | 3090857.79 | | | | |
| Amount Avg CF: | | | 2915.407479 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 127.28 | |
| 4.15 | 4.16 | 4.19 | 246544.3 | 664.898511 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 446998.6 | 693.315831 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1346134 | 2087.917081 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4927172 | 16220.087289 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 367894.5 | 897.656701 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1181324 | 2882.411681 | | | 4 |
| E 4.43 | 4.45 | 4.47 | 7031236 | 28608.417909 | | | 5 |
| 4.58 | 4.60 | 4.62 | 732984.3 | 2560.14387 | | | 6 |
| Height Summation: | | | 15465394.6 | | | | |
| Amount Avg CF: | | | 8837.312724 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 22.95 | |
| 4.29 | 4.31 | 4.33 | 4927172 | 10019.880497 | | | 1 |
| 4.43 | 4.45 | 4.47 | 7031236 | 12632.192694 | | | 2 |
| 4.53 | 4.55 | 4.57 | 5231134 | 11268.825821 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5289450 | 14296.616253 | | | 4 |
| + 4.88 | 4.92 | 4.92 | 670652.7 | 1812.676987 | | | 4 |
| 5.07 | 5.08 | 5.11 | 15101280 | 18414.29362 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9023792 | 16422.026727 | | | 6 |
| Height Summation: | | | 46604064 | | | | |
| Amount Avg CF: | | | 13842.305935 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.99 | |
| E 4.69 | 4.71 | 4.73 | 3919629 | 6223.898598 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 5289450 | 8231.327884 | | | 2 |
| + 4.88 | 4.92 | 4.92 | 670652.7 | 1043.655252 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 15101280 | 12804.888088 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2302062 | 4734.789941 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 9023792 | 11213.35251 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3629422 | 8394.345146 | | | 6 |
| Height Summation: | | | 39265635 | | | | |
| Amount Avg CF: | | | 8600.433694 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.82 | |
| 5.29 | 5.30 | 5.33 | 2302062 | 1591.537957 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 9023792 | 6444.881667 | | | 2 |
| 5.49 | 5.50 | 5.53 | 127306.7 | 103.758571 | | | 3 |
| 5.55 | 5.57 | 5.59 | 60891.96 | 206.668529 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 14479.41 | 49.143407 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3629422 | 7312.74942 | | | 5 |
| 5.91 | 5.92 | 5.95 | 657085.8 | 161.0013 | | | 6 |
| Height Summation: | | | 15800560.46 | | | | |
| Amount Avg CF: | | | 2636.766241 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 1006.9102 | 195.459 | | ** 86.15 | 4 | 40 | |

# Eurofins Lancaster Laboratories Multiple Component Data Summary

**Sample Name:** **8577901** ACF DF20 ATW45 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.13 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274A
Result file : 25PCBS16207035.0025.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 13:54:41
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0025.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

**Summary Report**

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1221 | | | 1006.9102 | 302.0731 | | ** 157.79 | 3 | 5 | |
| Aroclor-1232 | | | 1006.9102 | 242.843 | | 28.30 | 4 | 10 | |
| Aroclor-1242 | | | 1006.9102 | 242.843 | | ** 69.55 | 4 | 30 | |
| Aroclor-1248 | | | 1006.9102 | 195.459 | | ** 97.77 | 4 | 40 | |
| Aroclor-1254 | | | 1006.9102 | 260.612 | E | 33.02 | 4 | 40 | |
| Aroclor-1260 | | | 1006.9102 | 230.997 | | 2.98 | 4 | 40 | |
| Aroclor-1262 | | | 1006.9102 | 195.459 | E | 21.47 | 4 | 40 | |
| Aroclor-1268 | | | 1006.9102 | 195.459 | E | 37.44 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577901ACF DF20 ACATW45 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:54:41 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: 25pcbs16207035.0025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.005 | | 1931 | 908 |
| 2.038 | | 11702 | 11028 |
| 2.088 | | 8534 | 10374 |
| 2.134 | | 7484 | 8734 |
| 2.197 | | 90886 | 71943 |
| 2.283 | | 3494 | 2301 |
| 2.309 | | 11917 | 8812 |
| 2.382 | | 15206 | 12542 |
| 2.409 | | 3108 | 2157 |
| 2.49 | | 2465 | 3773 |
| 2.56 | | 1500 | 2672 |
| 2.627 | | 9466 | 5590 |
| 2.649 | | 51775 | 32424 |
| 2.757 | | 7923 | 11425 |
| 2.801 | | 2819 | 3642 |
| 2.886 | | 782 | 787 |
| 2.926 | TCX | 206310 | 145226 |
| 3.041 | | 9061 | 5783 |
| 3.071 | | 1682 | 2685 |
| 3.183 | | 4458 | 7751 |
| 3.235 | | 117945 | 128321 |
| 3.322 | | 2334 | 1915 |
| 3.357 | | 613 | 679 |
| 3.403 | | 22003 | 43902 |
| 3.475 | | 3125 | 3735 |
| 3.52 | | 5193 | 3702 |
| 3.568 | | 4384 | 3217 |
| 3.597 | | 10887 | 7355 |
| 3.633 | | 1708 | 2175 |
| 3.679 | | 2095 | 1392 |
| 3.705 | | 6107 | 6791 |
| 3.744 | | 17057 | 13989 |
| 3.798 | | 10696 | 9527 |
| 3.867 | | 16806 | 13206 |
| 3.902 | | 43355 | 35544 |
| 3.933 | | 6354 | 7306 |
| 3.969 | | 3551 | 2333 |
| 3.993 | | 8539 | 5634 |
| 4.047 | | 6826 | 4594 |
| 4.073 | | 31862 | 37094 |
| 4.124 | | 4356 | 3147 |
| 4.154 | | 14943 | 14752 |
| 4.206 | | 23100 | 17728 |
| 4.243 | | 204726 | 170772 |
| 4.264 | | 19094 | 10078 |
| 4.288 | | 31589 | 22944 |
| 4.354 | | 74405 | 62098 |
| 4.398 | | 331916 | 317926 |
| 4.433 | | 71188 | 55701 |
| 4.472 | | 7121 | 5156 |
| 4.496 | | 20509 | 15824 |
| 4.535 | | 143228 | 152123 |
| 4.606 | | 272568 | 416280 |
| 4.653 | | 472484 | 423294 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.698 | | 776180 | 874550 |
| 4.736 | | 201548 | 147567 |
| 4.776 | | 1996693 | 1831050 |
| 4.816 | | 26094 | 32057 |
| 4.867 | | 254393 | 302068 |
| 4.896 | | 23096 | 13592 |
| 4.924 | | 434204 | 422563 |
| 4.976 | | 2854799 | 3394885 |
| 5.025 | | 467759 | 412664 |
| 5.069 | | 1391021 | 1511914 |
| 5.112 | | 32545 | 19904 |
| 5.148 | | 288085 | 343758 |
| 5.185 | | 3607886 | 3918664 |
| 5.247 | | 1724106 | 1594997 |
| 5.29 | | 1227765 | 1184910 |
| 5.344 | | 12629 | 9458 |
| 5.412 | | 2358184 | 3142776 |
| 5.47 | | 1096664 | 1007715 |
| 5.51 | | 590021 | 536371 |
| 5.55 | | 112498 | 109921 |
| 5.595 | | 647214 | 608032 |
| 5.622 | | 25289 | 13111 |
| 5.651 | | 6249745 | 6352550 |
| 5.739 | | 15427 | 15371 |
| 5.774 | | 6136 | 3605 |
| 5.793 | | 10131 | 5971 |
| 5.819 | | 3370 | 2234 |
| 5.858 | | 3440094 | 3520915 |
| 5.897 | | 857782 | 1680595 |
| 6.041 | | 65196 | 106493 |
| 6.108 | | 85807 | 66259 |
| 6.131 | | 604080 | 543756 |
| 6.195 | | 4451 | 4877 |
| 6.257 | | 5043 | 4143 |
| 6.289 | | 1475532 | 1492967 |
| 6.334 | | 99034 | 100696 |
| 6.387 | | 1329 | 1145 |
| 6.404 | | 3207 | 2096 |
| 6.427 | | 4537 | 3831 |
| 6.491 | | 301862 | 344376 |
| 6.584 | | 1178 | 1839 |
| 6.638 | DCB | 159699 | 166872 |
| 6.667 | | 6253 | 7027 |
| 6.718 | | 7611 | 7304 |
| 6.786 | | 2034 | 1792 |
| 6.85 | | 1983 | 2044 |
| 6.914 | | 2629 | 5129 |
| 6.951 | | 8771 | 10495 |

LANCASTER LABORATORIES

Sample Number: 8577901ACF DF20 ACATW45 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:54:41 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: 25pcbs16207035B.0025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

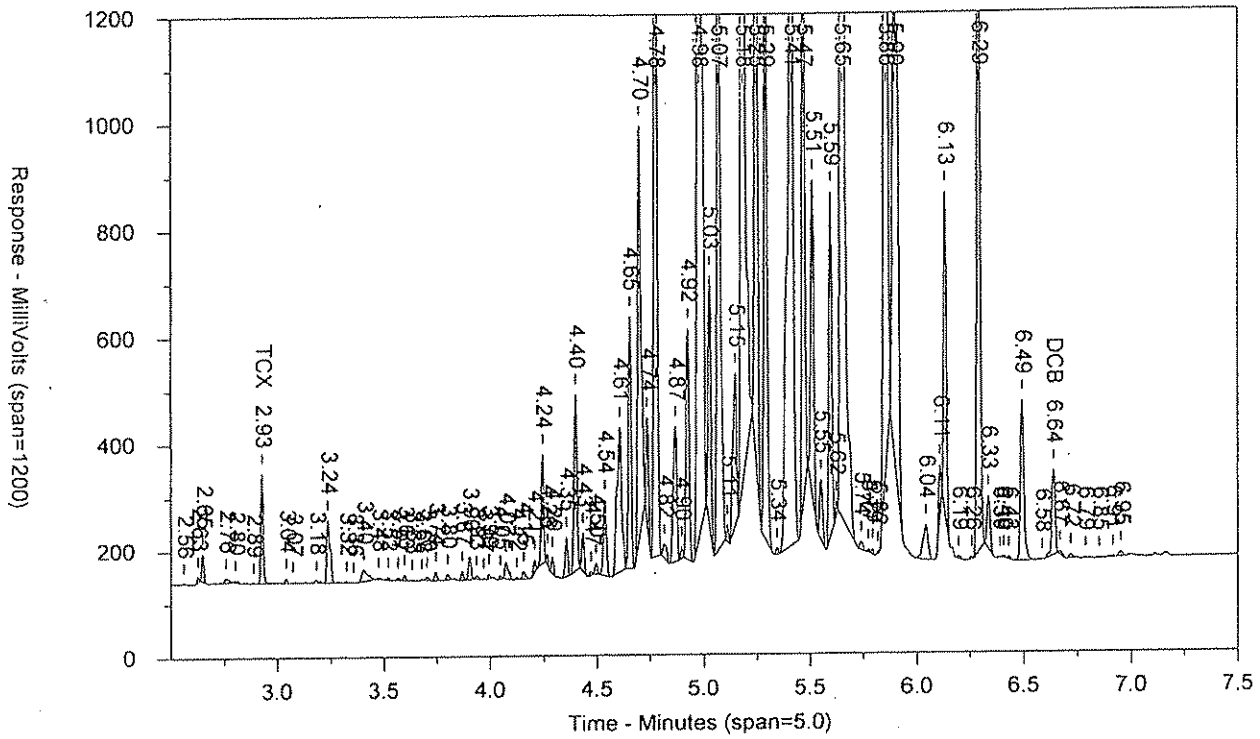
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.013 | | 1537 | 3926 |
| 2.099 | | 9599 | 13157 |
| 2.144 | | 20376 | 16745 |
| 2.215 | | 4221 | 5150 |
| 2.265 | | 2352 | 2015 |
| 2.296 | | 8149 | 8358 |
| 2.349 | | 86775 | 69405 |
| 2.454 | | 1485 | 946 |
| 2.476 | | 5699 | 4458 |
| 2.52 | | 2546 | 2568 |
| 2.577 | | 2107 | 1897 |
| 2.598 | TCX | 337076 | 199057 |
| 2.65 | | 2625 | 3196 |
| 2.69 | | 4480 | 8614 |
| 2.755 | | 1396 | 2209 |
| 2.769 | | 14526 | 7706 |
| 2.796 | | 1372 | 901 |
| 2.829 | | 2343 | 2347 |
| 2.895 | | 26046 | 11591 |
| 2.905 | | 162077 | 74631 |
| 2.996 | | 2124 | 2722 |
| 3.017 | | 4458 | 2279 |
| 3.09 | | 8507 | 5400 |
| 3.134 | | 1334 | 649 |
| 3.164 | | 4006 | 2653 |
| 3.188 | | 2726 | 1791 |
| 3.214 | | 8733 | 10286 |
| 3.25 | | 22096 | 14980 |
| 3.288 | | 5779 | 8759 |
| 3.341 | | 3546 | 2447 |
| 3.371 | | 8336 | 7874 |
| 3.392 | | 1996 | 993 |
| 3.413 | | 17974 | 16518 |
| 3.48 | | 25081 | 20888 |
| 3.515 | | 28693 | 16325 |
| 3.539 | | 81728 | 50104 |
| 3.573 | | 15609 | 12848 |
| 3.612 | | 2750 | 1456 |
| 3.644 | | 25640 | 19582 |
| 3.666 | | 11604 | 6100 |
| 3.687 | | 14097 | 8715 |
| 3.716 | | 53273 | 30496 |
| 3.733 | | 11654 | 5694 |
| 3.769 | | 13940 | 14408 |
| 3.819 | | 45272 | 45107 |
| 3.846 | | 10371 | 6243 |
| 3.862 | | 497413 | 312908 |
| 3.888 | | 40028 | 21569 |
| 3.908 | | 21109 | 10955 |
| 3.928 | | 158087 | 104148 |
| 3.962 | | 729784 | 480757 |
| 3.994 | | 147119 | 89310 |
| 4.01 | | 52260 | 24462 |
| 4.072 | | 23128 | 23984 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.104 | | 168122 | 200792 |
| 4.134 | | 48576 | 37617 |
| 4.161 | | 246544 | 165875 |
| 4.203 | | 391248 | 258391 |
| 4.221 | | 446999 | 204511 |
| 4.235 | | 1346134 | 754303 |
| 4.259 | | 745899 | 719830 |
| 4.311 | | 4927173 | 3538435 |
| 4.358 | | 86990 | 106913 |
| 4.38 | | 367895 | 227672 |
| 4.405 | | 1181324 | 873971 |
| 4.447 | | 7031236 | 5185179 |
| 4.5 | | 17768 | 12372 |
| 4.548 | | 5231134 | 4643794 |
| 4.599 | | 732984 | 610501 |
| 4.638 | | 1604179 | 1320608 |
| 4.674 | | 7945079 | 6415730 |
| 4.706 | | 3919629 | 2735610 |
| 4.744 | | 2769921 | 2063096 |
| 4.784 | | 5474 | 2235 |
| 4.8 | | 15018 | 7658 |
| 4.842 | | 841239 | 861233 |
| 4.892 | | 5289451 | 3931451 |
| 4.916 | | 670653 | 397934 |
| 4.966 | | 2891769 | 2390411 |
| 5 | | 1416377 | 1073283 |
| 5.03 | | 1011724 | 825466 |
| 5.063 | | 231699 | 126719 |
| 5.084 | | 15101280 | 11729170 |
| 5.125 | | 240174 | 173399 |
| 5.156 | | 363862 | 294330 |
| 5.202 | | 13007 | 8844 |
| 5.222 | | 22646 | 14104 |
| 5.275 | | 101405 | 61522 |
| 5.299 | | 2302062 | 1846607 |
| 5.342 | | 9023792 | 9192388 |
| 5.444 | | 4800 | 6883 |
| 5.497 | | 127307 | 105650 |
| 5.542 | | 254675 | 193804 |
| 5.565 | | 60892 | 36872 |
| 5.588 | | 14479 | 7188 |
| 5.614 | | 1456896 | 1193219 |
| 5.656 | | 15045 | 13076 |
| 5.694 | | 7753 | 4602 |
| 5.721 | | 3629422 | 2842446 |
| 5.752 | | 179269 | 128380 |
| 5.797 | | 7382 | 4851 |
| 5.835 | | 7715 | 7151 |
| 5.861 | | 11934 | 10568 |
| 5.92 | | 657086 | 553936 |
| 5.968 | | 4046 | 2561 |
| 6.006 | | 2390 | 2097 |
| 6.043 | | 16587 | 14432 |
| 6.08 | DCB | 301325 | 260461 |
| 6.115 | | 9394 | 7420 |
| 6.177 | | 4230 | 4297 |
| 6.209 | | 5449 | 4509 |
| 6.255 | | 12545 | 9147 |
| 6.281 | | 25929 | 22411 |
| 6.317 | | 3750 | 2740 |
| 6.346 | | 11945 | 14987 |
| 6.419 | | 3798 | 3163 |
| 6.445 | | 4975 | 5613 |
| 6.501 | | 10657 | 11445 |
| 6.56 | | 13650 | 13886 |
| 6.708 | | 1740 | 4219 |

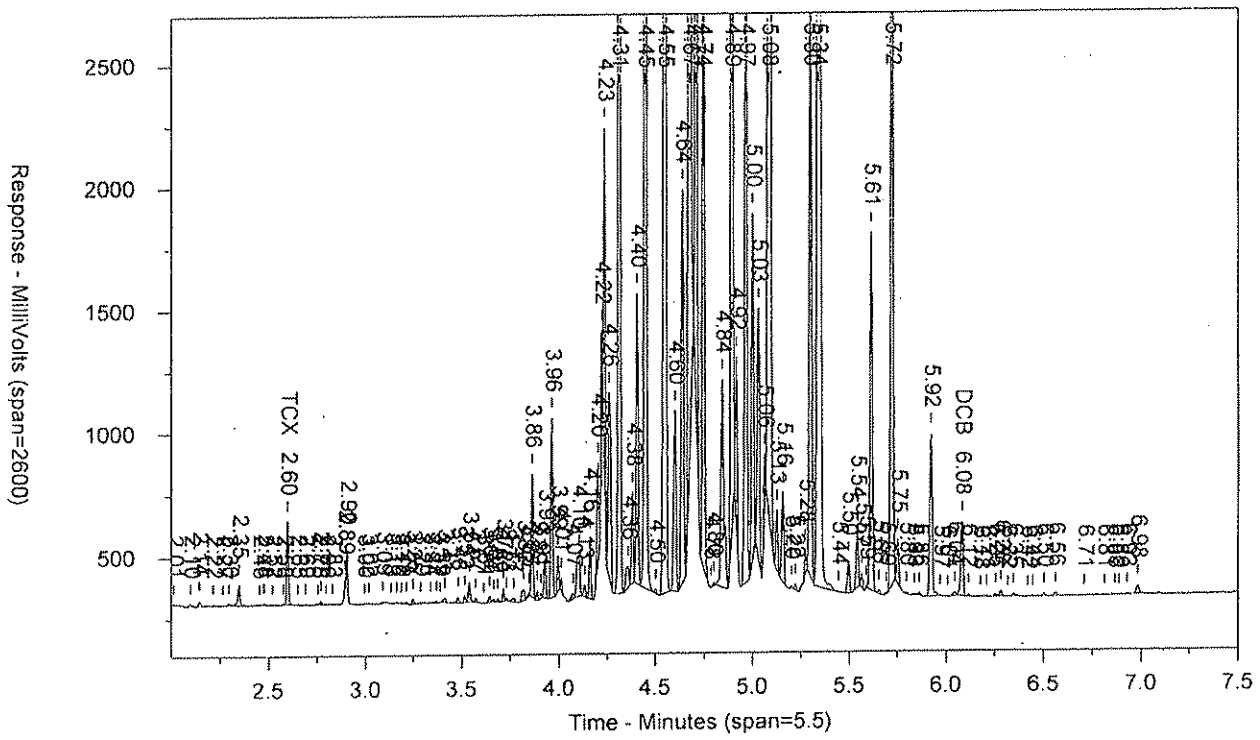
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.811 | | 2005 | 1941 |
| 6.864 | | 2118 | 2138 |
| 6.886 | | 1761 | 1900 |
| 6.927 | | 2769 | 2719 |
| 6.982 | | 34942 | 31576 |

8577901ACF DF20 ACATW45 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0025.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0025.RAW



LANCASTER LABORATORIES

Sample Number: 8577901ACF DF20 ACATW45 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 1:54:41 PM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 200
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: 4
Calibration Type: external
Quantitation: Height

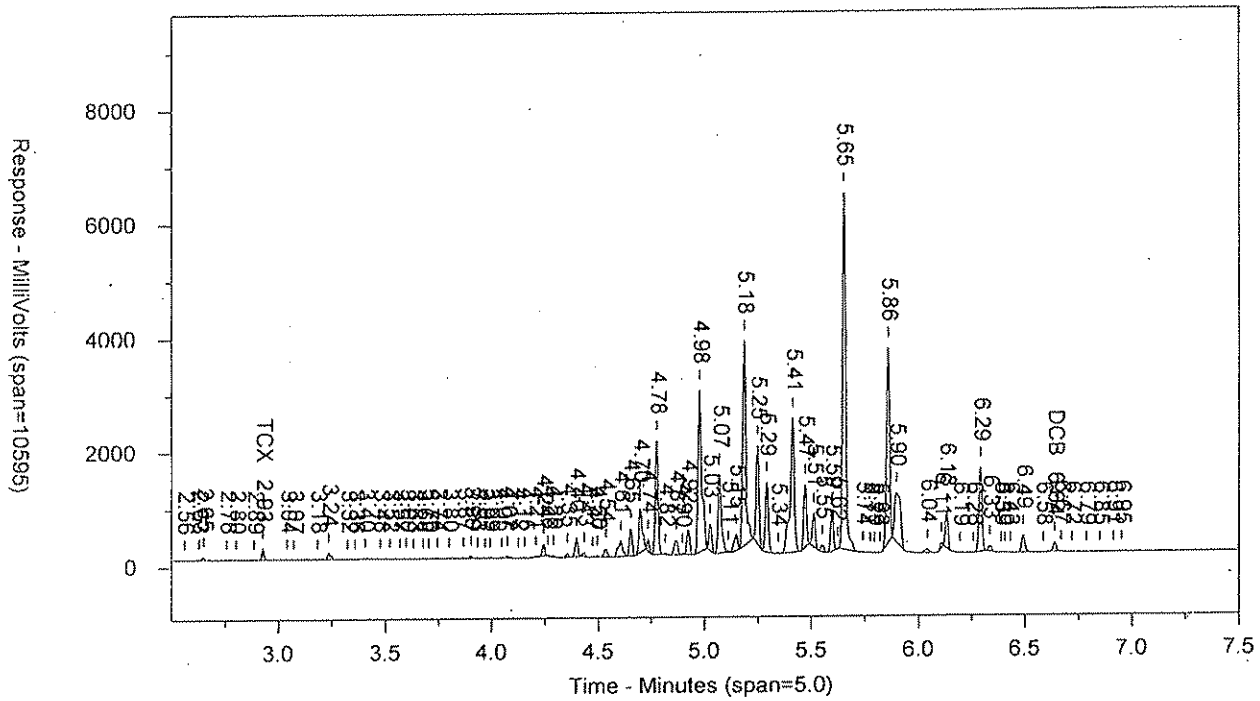
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.926 | 206310 | 30.106 | TCX | 2.598 | 337076 | 27.096 | TCX |
| 6.638 | 159699 | 47.17 | DCB | 6.08 | 301325 | 31.272 | DCB |

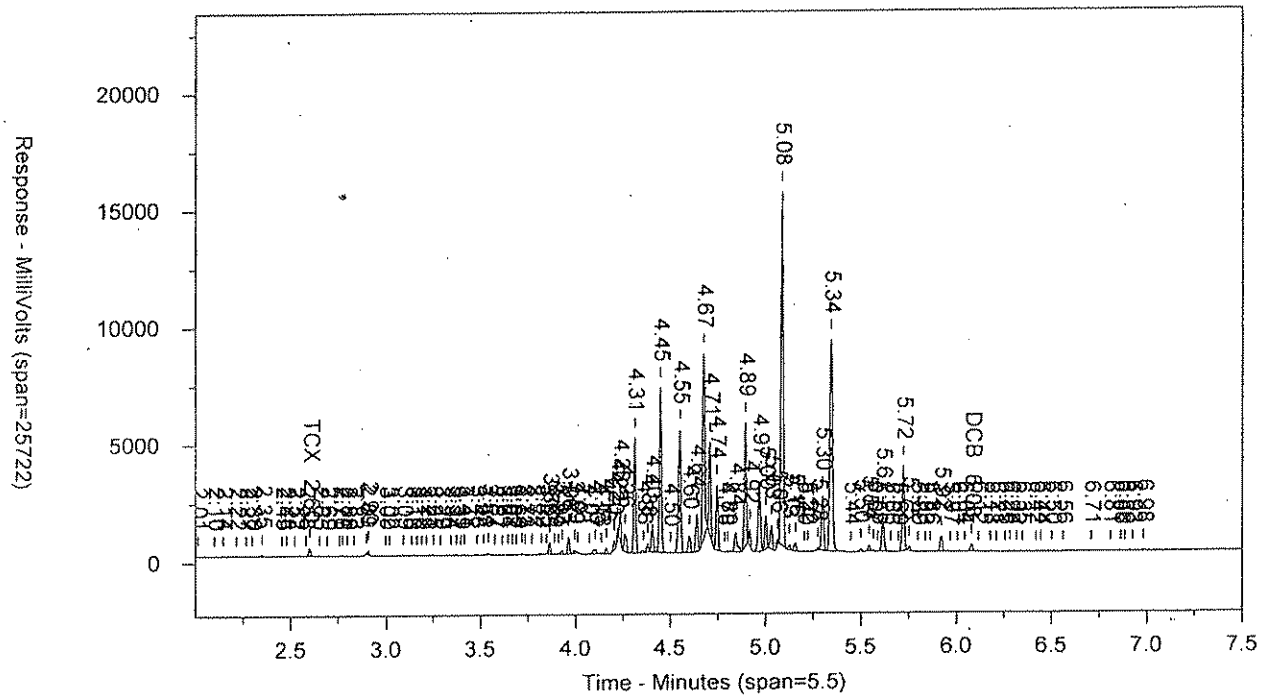
Files:
Area File: 25pcbs16207035.0025.RAW
Area File: 25pcbs16207035B.0025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:03:11 PM
File Reported On: 9/15/2016 at 2:03:23 PM

8577901ACF DF20 ACATW45 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0025.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0025.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577902** ACF DF50 ATW46 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:05:59 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0026.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 110% ( 46 - 148 ) Conc: 31.91266
%SSR(DCB) * 172% ( 49 - 139 ) Conc: 49.97457

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:05:59 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0026.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 93% ( 46 - 148 ) Conc: 26.79587
%SSR(DCB) 115% ( 49 - 139 ) Conc: 33.18262

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.42** | |
| 4.76 | 4.77 | 4.80 | 1341248 | 16678.543507 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1878295 | 21585.783131 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1166020 | 22013.999555 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1621770 | 24471.040999 | | | 4 |
| 5.64 | 5.65 | 5.68 | 4140110 | 29929.077749 | | | 5 |
| 5.84 | 5.86 | 5.88 | 2355701 | 29863.272248 | | | 6 |

Height summation: **12503144**
Concentration CF: **24090.286198** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.31** | |
| 4.29 | 4.31 | 4.33 | 3433336 | 17506.898198 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4789062 | 21573.748253 | | | 2 |
| 4.53 | 4.55 | 4.57 | 3464969 | 18715.880125 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3592616 | 24347.906419 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9889846 | 30238.407331 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5993018 | 27347.103907 | | | 6 |

Height summation: **31162847**
Concentration CF: **23288.324039** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <2524.7524 | <490.099 | | | 4 | |
| ☑ PCB-1221 | | | <2524.7524 | <757.4257 | | | 3 | |
| ☑ PCB-1232 | | | <2524.7524 | <608.9109 | | | 4 | |
| ☑ PCB-1242 | | | <2524.7524 | <608.9109 | | | 4 | |
| ☑ PCB-1248 | | | <2524.7524 | <490.099 | | | 4 | |
| ☑ PCB-1254 | | | <2524.7524 | <653.4653 | | | 4 | |
| ☑ PCB-1260 | A | 24090.286198 | 2524.7524 | 579.2079 | | 3.39 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 87216 | 31.91266 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 132944 | 26.79587 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 67477 | 49.97457 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 127514 | 33.18262 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 31.91266 | | | | 17.43 | |
| ☑ Decachlorobiphenyl | A | 49.97457 | | | P | 40.39 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577902** ACF DF50 ATW46 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274A
Result file : 25PCBS16207035.0026.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 110% (46-148) Conc.: 31.91266
%SSR(DCB) : *172% (49-139) Conc.: 49.97457

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 41.80 | |
| 3.17 | 3.18 | 3.21 | 2817.243 | 60.915511 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6203.663 | 136.456889 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3038.147 | 54.999782 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11222.13 | 179.203892 | | | 4 |
| 3.79 | 3.80 | 3.83 | 7396.667 | 138.700988 | | | 5 |
| 3.98 | 3.99 | 4.02 | 5254.174 | 127.721665 | | | 6 |
| Height Summation: | | | 35932.024 | | | | |
| Amount Avg CF: | | | 116.333121 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 13.80 | |
| 3.07 | 3.08 | 3.11 | 862.9172 | 36.38837 | | | 1 |
| 3.17 | 3.18 | 3.21 | 2817.243 | 44.259161 | | | 3 |
| Height Summation: | | | 3680.1602 | | | | |
| Amount Avg CF: | | | 40.323766 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 52.83 | |
| 3.17 | 3.18 | 3.21 | 2817.243 | 45.565247 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6203.663 | 245.593351 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3038.147 | 98.669446 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11222.13 | 327.460215 | | | 4 |
| 3.79 | 3.80 | 3.83 | 7396.667 | 256.587122 | | | 5 |
| 3.99 | 3.99 | 4.02 | 5254.174 | 257.365395 | | | 6 |
| Height Summation: | | | 35932.024 | | | | |
| Amount Avg CF: | | | 205.206796 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 42.62 | |
| 3.17 | 3.18 | 3.21 | 2817.243 | 83.356479 | | | 1 |
| 3.39 | 3.40 | 3.43 | 6203.663 | 194.839604 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3038.147 | 76.747546 | | | 3 |
| 3.73 | 3.74 | 3.77 | 11222.13 | 254.386559 | | | 4 |
| 3.79 | 3.80 | 3.83 | 7396.667 | 194.253963 | | | 5 |
| 3.98 | 3.99 | 4.02 | 5254.174 | 180.272878 | | | 6 |
| Height Summation: | | | 35932.024 | | | | |
| Amount Avg CF: | | | 163.976171 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 199.89 | |
| 3.79 | 3.80 | 3.83 | 7396.667 | 244.786279 | | | 1 |
| 3.85 | 3.87 | 3.89 | 7888.817 | 154.527622 | | | 2 |
| 3.98 | 3.99 | 4.02 | 5254.174 | 90.20825 | | | 3 |
| 4.25 | 4.29 | 4.29 | 11244.75 | 224.542691 | | | 5 |
| 4.64 | 4.65 | 4.68 | 281112.4 | 7690.609036 | | | 6 |
| Height Summation: | | | 312896.808 | | | | |
| Amount Avg CF: | | | 1680.934776 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 134.01 | |
| 4.23 | 4.24 | 4.27 | 152520.4 | 2480.84845 | | | 1 |
| 4.58 | 4.60 | 4.62 | 195229.5 | 3309.83839 | | | 2 |
| 4.64 | 4.65 | 4.68 | 281112.4 | 2538.115988 | | | 3 |
| 4.77 | 4.77 | 4.81 | 1341248 | 37322.127345 | | | 4 |
| 4.86 | 4.86 | 4.90 | 141371.5 | 2006.950239 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 15310.6 | 217.353656 | | | 5 |
| 5.06 | 5.07 | 5.10 | 905529.2 | 15545.09002 | | | 6 |
| Height Summation: | | | 3017011 | | | | |
| Amount Avg CF: | | | 10533.828406 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0026.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 93% (46-148) Conc.: 26.79587
%SSR(DCB) : 115% (49-139) Conc.: 33.18262

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 142.29 | |
| + 2.87 | 2.89 | 2.91 | 11094.61 | 136.400523 | | | 1 |
| 2.87 | 2.90 | 2.91 | 74512.58 | 916.080407 | | | 1 |
| 3.19 | 3.21 | 3.23 | 6153.417 | 61.11943 | | | 2 |
| 3.39 | 3.41 | 3.43 | 12705.25 | 118.046914 | | | 3 |
| 3.46 | 3.48 | 3.50 | 13999.3 | 126.560433 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13736.4 | 146.124163 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 5679.577 | 60.417827 | | | 5 |
| 3.72 | 3.73 | 3.76 | 3780.276 | 46.80691 | | | 6 |
| Height Summation: | | | 124887.223 | | | | |
| Amount Avg CF: | | | 235.789709 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 97.82 | |
| 2.75 | 2.77 | 2.79 | 8898.318 | 196.042221 | | | 1 |
| 2.81 | 2.83 | 2.85 | 2181.273 | 75.415063 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 11094.61 | 95.218534 | | | 3 |
| 2.87 | 2.90 | 2.91 | 74512.58 | 639.497794 | | | 3 |
| Height Summation: | | | 85592.171 | | | | |
| Amount Avg CF: | | | 303.651693 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 74.97 | |
| + 2.87 | 2.89 | 2.91 | 11094.61 | 97.227065 | | | 1 |
| 2.87 | 2.90 | 2.91 | 74512.58 | 652.9873 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6153.417 | 112.922002 | | | 2 |
| 3.39 | 3.41 | 3.43 | 12705.25 | 218.736999 | | | 3 |
| 3.47 | 3.48 | 3.51 | 13999.3 | 245.650695 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13736.4 | 308.014858 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 5679.577 | 127.354627 | | | 5 |
| 3.72 | 3.73 | 3.76 | 3780.276 | 92.296117 | | | 6 |
| Height Summation: | | | 124887.223 | | | | |
| Amount Avg CF: | | | 271.767995 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 140.54 | |
| + 2.87 | 2.89 | 2.91 | 11094.61 | 185.12438 | | | 1 |
| 2.87 | 2.90 | 2.91 | 74512.58 | 1243.315015 | | | 1 |
| 3.20 | 3.21 | 3.24 | 6153.417 | 82.954704 | | | 2 |
| 3.39 | 3.41 | 3.43 | 12705.25 | 162.363949 | | | 3 |
| 3.47 | 3.48 | 3.51 | 13999.3 | 184.791994 | | | 4 |
| 3.63 | 3.64 | 3.67 | 13736.4 | 201.842592 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 5679.577 | 83.455676 | | | 5 |
| 3.72 | 3.73 | 3.76 | 3780.276 | 63.75514 | | | 6 |
| Height Summation: | | | 124887.223 | | | | |
| Amount Avg CF: | | | 323.170566 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 140.44 | |
| + 3.50 | 3.51 | 3.54 | 12613.46 | 116.57684 | | | 1 |
| 3.50 | 3.54 | 3.54 | 53599.93 | 495.384333 | | | 1 |
| 3.63 | 3.64 | 3.67 | 13736.4 | 105.00026 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 5679.577 | 43.414364 | | | 2 |
| 3.72 | 3.73 | 3.76 | 3780.276 | 39.59508 | | | 3 |
| 3.85 | 3.86 | 3.89 | 321759.4 | 1773.199674 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 9872.506 | 54.406878 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 205829.4 | 2515.42242 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1016691 | 12424.888452 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 128708 | 2624.178439 | | | 6 |
| 4.37 | 4.40 | 4.40 | 832396 | 16971.405318 | | | 6 |
| Height Summation: | | | 2241963.006 | | | | |
| Amount Avg CF: | | | 5301.578853 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577902** ACF DF50 ATW46 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274A
Result file : 25PCBS16207035.0026.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 21.42 | |
| 4.76 | 4.77 | 4.80 | 1341248 | 16678.543507 | | | 1 |
| 4.96 | 4.97 | 5.00 | 1878295 | 21585.783131 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1166020 | 22013.999555 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1621770 | 24471.040999 | | | 4 |
| 5.64 | 5.65 | 5.68 | 4140110 | 29929.077749 | | | 5 |
| 5.84 | 5.86 | 5.88 | 2355701 | 29863.272248 | | | 6 |
| Height Summation: | | | 12503144 | | | | |
| Amount Avg CF: | | | 24090.286198 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.55 | |
| E 5.23 | 5.24 | 5.27 | 1166020 | 12296.302483 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1621770 | 19620.938666 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 4140110 | 21965.468283 | | | 3 |
| E 5.84 | 5.86 | 5.88 | 2355701 | 21829.74456 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1018018 | 15188.376174 | | | 6 |
| Height Summation: | | | 10301619 | | | | |
| Amount Avg CF: | | | 18180.166033 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 91.17 | |
| E 5.84 | 5.86 | 5.88 | 2355701 | 10741.812317 | | | 1 |
| 6.03 | 6.04 | 6.07 | 42830.5 | 241.079895 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 61227.96 | 1243.295943 | | | 4 |
| 6.10 | 6.13 | 6.14 | 402732.2 | 8177.886549 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1018018 | 13373.508675 | | | 5 |
| 6.48 | 6.49 | 6.52 | 211645.5 | 406.283542 | | | 6 |
| Height Summation: | | | 4030927.2 | | | | |
| Amount Avg CF: | | | 6588.114196 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0026.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.70 | |
| 4.15 | 4.16 | 4.19 | 119719.9 | 809.570771 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 205829.4 | 800.498352 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1016691 | 3954.048691 | | | 2 |
| 4.30 | 4.31 | 4.34 | 3433336 | 28340.000365 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 128708 | 787.445679 | | | 4 |
| 4.37 | 4.40 | 4.41 | 832396 | 5092.664271 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 4789062 | 48858.564846 | | | 5 |
| 4.58 | 4.60 | 4.62 | 436793.6 | 3825.375269 | | | 6 |
| Height Summation: | | | 10627998.5 | | | | |
| Amount Avg CF: | | | 15146.704036 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.31 | |
| 4.29 | 4.31 | 4.33 | 3433336 | 17506.898198 | | | 1 |
| 4.43 | 4.44 | 4.47 | 4789062 | 21573.748253 | | | 2 |
| 4.53 | 4.55 | 4.57 | 3464969 | 18715.880125 | | | 3 |
| 4.88 | 4.89 | 4.92 | 3592616 | 24347.906419 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 380746 | 2580.394893 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9889846 | 30238.407331 | | | 5 |
| 5.33 | 5.34 | 5.37 | 5993018 | 27347.103907 | | | 6 |
| Height Summation: | | | 31162847 | | | | |
| Amount Avg CF: | | | 23288.324039 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.33 | |
| E 4.69 | 4.70 | 4.73 | 2734336 | 10886.731368 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 3592616 | 14018.394107 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 380746 | 1485.671578 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 9889846 | 21027.112407 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1624353 | 8377.070982 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 5993018 | 18673.256434 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2481180 | 14389.168773 | | | 6 |
| Height Summation: | | | 26315349 | | | | |
| Amount Avg CF: | | | 14561.955678 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.35 | |
| 5.29 | 5.30 | 5.33 | 1624353 | 2815.84328 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 5993018 | 10732.466312 | | | 2 |
| 5.49 | 5.49 | 5.53 | 88014.3 | 179.868056 | | | 3 |
| 5.55 | 5.56 | 5.59 | 40056.17 | 340.888143 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 11166.15 | 95.026762 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2481180 | 12535.151198 | | | 5 |
| 5.91 | 5.92 | 5.95 | 436829.2 | 268.37808 | | | 6 |
| Height Summation: | | | 10663450.67 | | | | |
| Amount Avg CF: | | | 4478.765845 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 2524.7524 | 490.099 | | ** 67.85 | 4 | 40 | |
| Aroclor-1221 | | | 2524.7524 | 757.4257 | | ** 153.11 | 3 | 5 | |
| Aroclor-1232 | | | 2524.7524 | 608.9109 | | 27.91 | 4 | 10 | |
| Aroclor-1242 | | | 2524.7524 | 608.9109 | | ** 65.36 | 4 | 30 | |
| Aroclor-1248 | | | 2524.7524 | 490.099 | | ** 103.71 | 4 | 40 | |
| Aroclor-1254 | | | 2524.7524 | 653.4653 | | 35.93 | 4 | 40 | |
| Aroclor-1260 | | | 2524.7524 | 579.2079 | | 3.39 | 4 | 40 | |
| Aroclor-1262 | | | 2524.7524 | 490.099 | E | 22.10 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577902** ACF DF50 ATW46 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274A
Result file : 25PCBS16207035.0026.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 14:05:59
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0026.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 2524.7524 | 490.099 | E | 38.12 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577902ACF DF50 ACATW46 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:05:59 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: 25pcbs16207035.0026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 1533 | 906 |
| 2.037 | | 7751 | 8474 |
| 2.089 | | 8109 | 11103 |
| 2.196 | | 62103 | 46462 |
| 2.282 | | 1570 | 981 |
| 2.308 | | 8189 | 6221 |
| 2.381 | | 6656 | 6276 |
| 2.488 | | 2239 | 1999 |
| 2.569 | | 1390 | 2590 |
| 2.626 | | 6729 | 3857 |
| 2.647 | | 34518 | 22648 |
| 2.705 | | 1132 | 1451 |
| 2.758 | | 2484 | 4591 |
| 2.799 | | 1653 | 1698 |
| 2.925 | TCX | 87216 | 61932 |
| 3.039 | | 5901 | 3718 |
| 3.082 | | 863 | 1305 |
| 3.183 | | 2817 | 3909 |
| 3.233 | | 56767 | 58422 |
| 3.32 | | 1187 | 1066 |
| 3.358 | | 559 | 510 |
| 3.403 | | 6204 | 10699 |
| 3.474 | | 2378 | 2979 |
| 3.518 | | 3038 | 2125 |
| 3.566 | | 3211 | 2995 |
| 3.595 | | 7100 | 4863 |
| 3.632 | | 1291 | 1338 |
| 3.675 | | 1650 | 1018 |
| 3.701 | | 3269 | 3563 |
| 3.742 | | 11222 | 9120 |
| 3.796 | | 7397 | 6046 |
| 3.865 | | 7889 | 6131 |
| 3.9 | | 29038 | 23257 |
| 3.931 | | 4218 | 5042 |
| 3.966 | | 2418 | 1608 |
| 3.991 | | 5254 | 7686 |
| 4.045 | | 3511 | 2325 |
| 4.07 | | 21145 | 22817 |
| 4.121 | | 2120 | 1669 |
| 4.152 | | 8204 | 8060 |
| 4.204 | | 18019 | 14360 |
| 4.24 | | 152520 | 135207 |
| 4.286 | | 11245 | 8437 |
| 4.312 | | 1989 | 1342 |
| 4.352 | | 43487 | 36390 |
| 4.395 | | 204186 | 194215 |
| 4.429 | | 27227 | 21686 |
| 4.469 | | 3499 | 2452 |
| 4.492 | | 11222 | 8787 |
| 4.532 | | 88979 | 93750 |
| 4.604 | | 195230 | 265916 |
| 4.65 | | 281112 | 252332 |
| 4.695 | | 540538 | 618611 |
| 4.733 | | 137401 | 98910 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.772 | | 1341249 | 1269284 |
| 4.812 | | 16990 | 17598 |
| 4.862 | | 141372 | 168038 |
| 4.894 | | 15311 | 9571 |
| 4.92 | | 317798 | 298953 |
| 4.973 | | 1878295 | 2278384 |
| 5.023 | | 334082 | 299830 |
| 5.066 | | 905529 | 1002319 |
| 5.108 | | 18367 | 10915 |
| 5.146 | | 207727 | 247010 |
| 5.182 | | 2349191 | 2577539 |
| 5.244 | | 1166020 | 1106478 |
| 5.288 | | 835905 | 827486 |
| 5.341 | | 7382 | 5853 |
| 5.408 | | 1621770 | 2157527 |
| 5.468 | | 760242 | 711779 |
| 5.507 | | 419935 | 385729 |
| 5.547 | | 86921 | 83523 |
| 5.592 | | 435978 | 403774 |
| 5.621 | | 14312 | 8150 |
| 5.648 | | 4140110 | 4308590 |
| 5.736 | | 7684 | 7757 |
| 5.768 | | 3806 | 2646 |
| 5.79 | | 4294 | 2813 |
| 5.855 | | 2355701 | 2397811 |
| 5.893 | | 602938 | 1160265 |
| 6.037 | | 42831 | 70208 |
| 6.104 | | 61228 | 45814 |
| 6.128 | | 402732 | 389518 |
| 6.19 | | 2747 | 3022 |
| 6.252 | | 3069 | 2226 |
| 6.285 | | 1018018 | 1043398 |
| 6.33 | | 74309 | 71310 |
| 6.399 | | 2399 | 3451 |
| 6.486 | | 211646 | 235957 |
| 6.633 | DCB | 67477 | 67649 |
| 6.661 | | 7292 | 7312 |
| 6.711 | | 5885 | 7559 |
| 6.801 | | 1466 | 1802 |
| 6.907 | | 2307 | 3179 |
| 6.945 | | 4389 | 4686 |

LANCASTER LABORATORIES

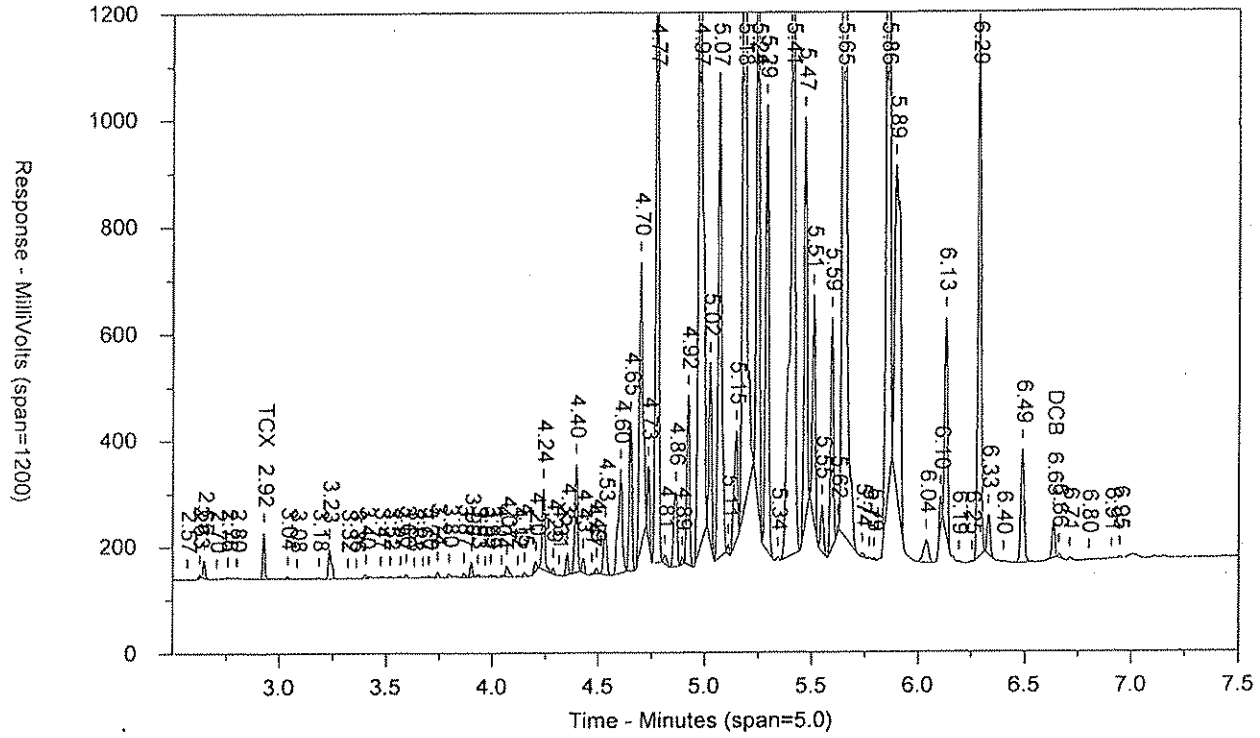
Sample Number: 8577902ACF DF50 ACATW46 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:05:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.098 | | 3392 | 4126 |
| 2.145 | | 7399 | 6789 |
| 2.219 | | 3555 | 4377 |
| 2.265 | | 1423 | 1059 |
| 2.296 | | 4022 | 4182 |
| 2.349 | | 59374 | 48224 |
| 2.476 | | 3209 | 2774 |
| 2.521 | | 1546 | 2127 |
| 2.576 | | 1869 | 1415 |
| 2.598 | TCX | 132944 | 80870 |
| 2.769 | | 8898 | 4747 |
| 2.828 | | 2181 | 3498 |
| 2.894 | | 11095 | 4564 |
| 2.904 | | 74513 | 35211 |
| 2.995 | | 1467 | 940 |
| 3.015 | | 2189 | 1356 |
| 3.038 | | 1403 | 1882 |
| 3.09 | | 5976 | 7211 |
| 3.163 | | 2803 | 1851 |
| 3.186 | | 1703 | 1005 |
| 3.213 | | 6153 | 8444 |
| 3.249 | | 16472 | 13532 |
| 3.29 | | 3106 | 2449 |
| 3.339 | | 2096 | 1292 |
| 3.37 | | 4596 | 4535 |
| 3.412 | | 12705 | 14465 |
| 3.459 | | 1229 | 628 |
| 3.479 | | 13999 | 9363 |
| 3.514 | | 12613 | 6844 |
| 3.538 | | 53600 | 33865 |
| 3.571 | | 10162 | 8921 |
| 3.643 | | 13736 | 10755 |
| 3.664 | | 5680 | 2864 |
| 3.685 | | 7875 | 5002 |
| 3.714 | | 36482 | 20561 |
| 3.731 | | 3780 | 2203 |
| 3.766 | | 8817 | 9150 |
| 3.817 | | 29325 | 29359 |
| 3.861 | | 321759 | 222208 |
| 3.886 | | 9873 | 5257 |
| 3.906 | | 9903 | 4912 |
| 3.926 | | 106329 | 70753 |
| 3.96 | | 431214 | 283506 |
| 3.992 | | 56346 | 31520 |
| 4.008 | | 33100 | 16707 |
| 4.07 | | 11857 | 15792 |
| 4.093 | | 109842 | 117720 |
| 4.132 | | 29848 | 22713 |
| 4.159 | | 119720 | 80576 |
| 4.201 | | 278230 | 169521 |
| 4.219 | | 205829 | 100201 |
| 4.232 | | 1016691 | 560950 |
| 4.257 | | 531113 | 506335 |
| 4.309 | | 3433337 | 2394225 |

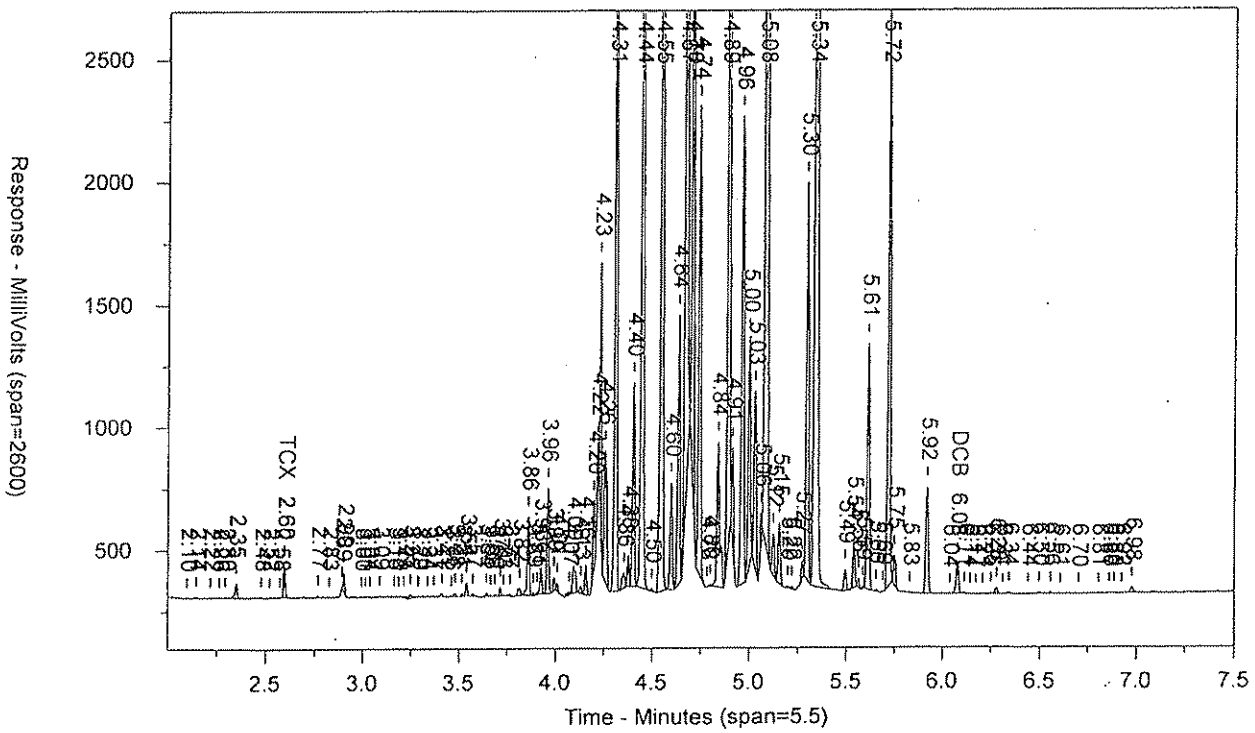
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.356 | | 61853 | 64163 |
| 4.378 | | 128708 | 77124 |
| 4.402 | | 832396 | 604796 |
| 4.444 | | 4789062 | 3438333 |
| 4.498 | | 10685 | 7389 |
| 4.546 | | 3464969 | 3125892 |
| 4.597 | | 436794 | 353430 |
| 4.636 | | 1102491 | 900168 |
| 4.671 | | 5351966 | 4210942 |
| 4.704 | | 2734336 | 1901103 |
| 4.742 | | 1910710 | 1444952 |
| 4.784 | | 4064 | 1898 |
| 4.799 | | 7998 | 4036 |
| 4.839 | | 591461 | 590777 |
| 4.89 | | 3592616 | 2692568 |
| 4.913 | | 380746 | 240635 |
| 4.963 | | 1911071 | 1650269 |
| 4.999 | | 937419 | 744914 |
| 5.028 | | 715578 | 568371 |
| 5.06 | | 122979 | 65172 |
| 5.082 | | 9889846 | 7953562 |
| 5.123 | | 171339 | 124835 |
| 5.154 | | 248416 | 204642 |
| 5.199 | | 7848 | 5909 |
| 5.219 | | 11938 | 7493 |
| 5.272 | | 75642 | 46236 |
| 5.296 | | 1624353 | 1273299 |
| 5.34 | | 5993018 | 6304540 |
| 5.495 | | 88014 | 71634 |
| 5.539 | | 173398 | 133210 |
| 5.564 | | 40056 | 24624 |
| 5.585 | | 11166 | 5874 |
| 5.612 | | 1004401 | 825211 |
| 5.655 | | 7972 | 6354 |
| 5.691 | | 4759 | 2819 |
| 5.719 | | 2481180 | 1945918 |
| 5.75 | | 121728 | 91623 |
| 5.831 | | 4086 | 3665 |
| 5.918 | | 436829 | 379446 |
| 6.038 | | 1151 | 850 |
| 6.076 | DCB | 127514 | 117309 |
| 6.114 | | 5844 | 5042 |
| 6.144 | | 2306 | 1670 |
| 6.173 | | 1301 | 1242 |
| 6.207 | | 3019 | 2630 |
| 6.25 | | 6687 | 5173 |
| 6.278 | | 25794 | 21532 |
| 6.312 | | 2394 | 1857 |
| 6.342 | | 8195 | 8999 |
| 6.442 | | 3849 | 3265 |
| 6.497 | | 6831 | 5517 |
| 6.557 | | 7949 | 7160 |
| 6.608 | | 1263 | 1088 |
| 6.701 | | 2114 | 4748 |
| 6.806 | | 1244 | 802 |
| 6.859 | | 1215 | 1391 |
| 6.884 | | 1423 | 1191 |
| 6.924 | | 2060 | 2275 |
| 6.977 | | 21990 | 21024 |

8577902ACF DF50 ACATW46 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0026.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0026.RAW



LANCASTER LABORATORIES

Sample Number: 8577902ACF DF50 ACATW46 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:05:59 PM
Sample Weight: 10.1
Dilution Factor: 500
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

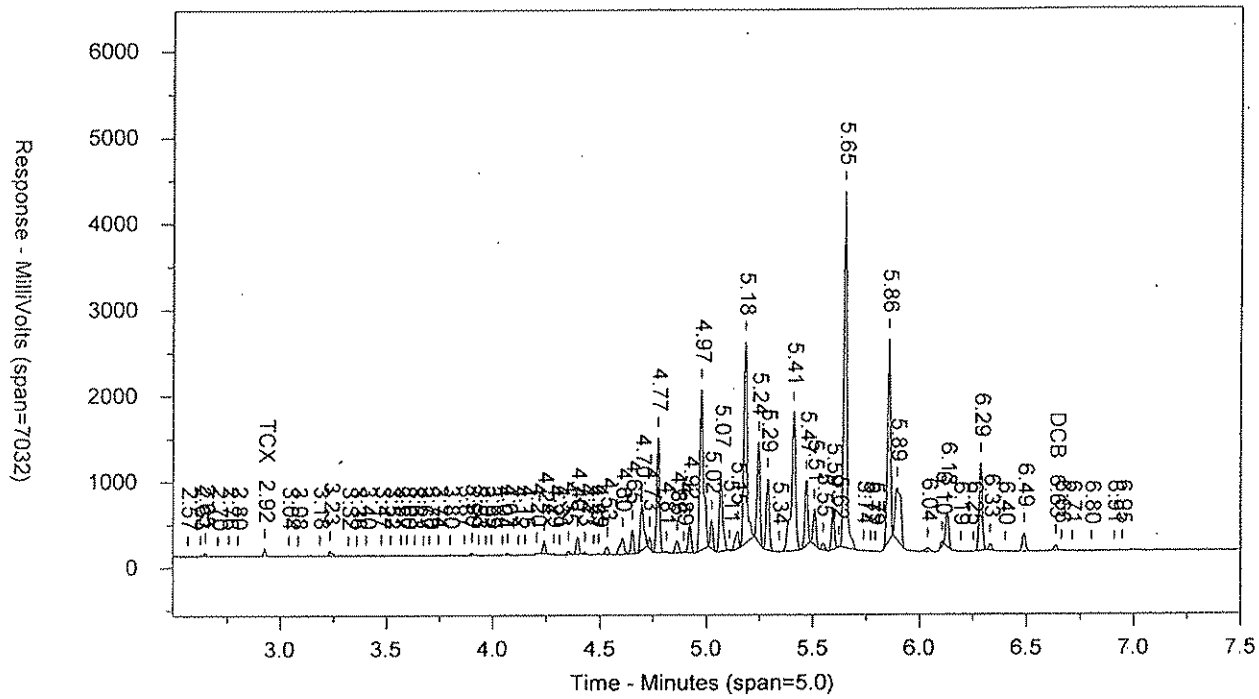
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 87216 | 31.913 | TCX | 2.598 | 132944 | 26.796 | TCX |
| 6.633 | 67477 | 49.975 | DCB | 6.076 | 127514 | 33.183 | DCB |

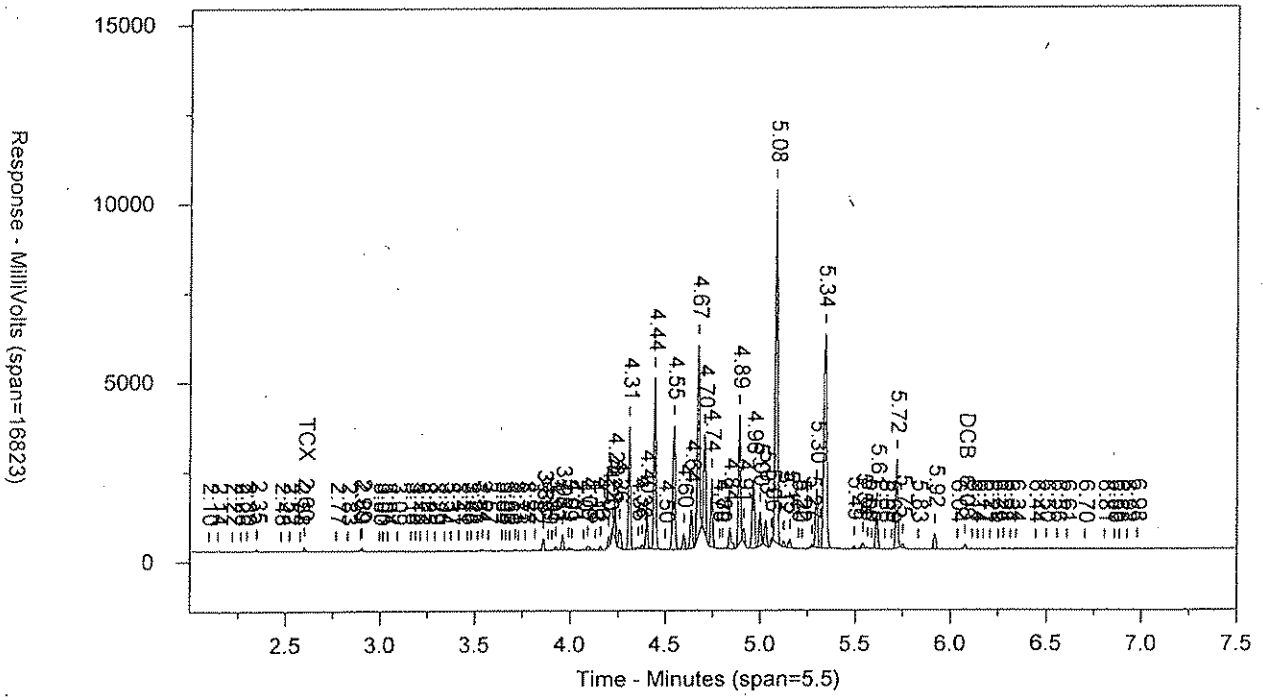
Files:
Area File: 25pcbs16207035.0026.RAW
Area File: 25pcbs16207035B.0026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:14:29 PM
File Reported On: 9/15/2016 at 2:14:41 PM

8577902ACF DF50 ACATW46 T 162570008A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0026.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0026.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577903** ACF DF20 ATW47 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:39:48 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0029.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 126% ( 46 - 148 ) Conc: 36.59735
%SSR(DCB) * 183% ( 49 - 139 ) Conc: 53.14779

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:39:48 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0029.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 117% ( 46 - 148 ) Conc: 33.9787
%SSR(DCB) 133% ( 49 - 139 ) Conc: 38.64382

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.54** | |
| 4.76 | 4.77 | 4.80 | 2030036 | 10137.623519 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2811622 | 12976.104199 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1717901 | 13024.902187 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2364282 | 14326.689296 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6366666 | 18483.189055 | | | 5 |
| 5.84 | 5.86 | 5.88 | 3429768 | 17460.848961 | | | 6 |

Height summation: **18720275**
Concentration CF: **14401.559536** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **21.47** | |
| 4.29 | 4.31 | 4.33 | 4968816 | 10174.877708 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7100640 | 12845.648263 | | | 2 |
| 4.53 | 4.55 | 4.57 | 5105954 | 11075.699998 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4953244 | 13481.056556 | | | 4 |
| 5.07 | 5.08 | 5.11 | 14771550 | 18137.558959 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8329062 | 15263.187452 | | | 6 |

Height summation: **45229266**
Concentration CF: **13496.338156** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <1013.9165 | <196.8191 | | | 4 | |
| ☑ PCB-1221 | | | <1013.9165 | <304.175 | | | 3 | |
| ☑ PCB-1232 | | | <1013.9165 | <244.5328 | | | 4 | |
| ☑ PCB-1242 | | | <1013.9165 | <244.5328 | | | 4 | |
| ☑ PCB-1248 | | | <1013.9165 | <196.8191 | | | 4 | |
| ☑ PCB-1254 | | | <1013.9165 | <262.4254 | | | 4 | |
| ☑ PCB-1260 | A | 14401.559536 | 1013.9165 | 232.6044 | | 6.49 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 249057 | 36.59735 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 419783 | 33.9787 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 178693 | 53.14779 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 369781 | 38.64382 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 36.59735 | | | | 7.42 | |
| ☑ Decachlorobiphenyl | A | 53.14779 | | | | 31.60 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 16 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 16 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577903** ACF DF20 ATW47 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274A
Result file : 25PCBS16207035.0029.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 126% (46-148) Conc.: 36.59735
%SSR(DCB) : *183% (49-139) Conc.: 53.14779

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 49.38 | |
| 3.17 | 3.18 | 3.21 | 3892.929 | 33.803639 | | | 1 |
| 3.39 | 3.40 | 3.43 | 14586.39 | 128.839401 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4442.439 | 32.296618 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16812.78 | 107.81894 | | | 4 |
| 3.79 | 3.79 | 3.83 | 10917.49 | 82.214737 | | | 5 |
| 3.98 | 3.99 | 4.02 | 10110.08 | 98.69567 | | | 6 |
| Height Summation: | | | 60761.108 | | | | |
| Amount Avg CF: | | | 80.611501 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 29.51 | |
| 3.07 | 3.07 | 3.11 | 2215.107 | 37.512117 | | | 1 |
| 3.17 | 3.18 | 3.21 | 3892.929 | 24.560586 | | | 3 |
| Height Summation: | | | 6108.036 | | | | |
| Amount Avg CF: | | | 31.036352 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 58.25 | |
| 3.17 | 3.18 | 3.21 | 3892.929 | 25.285369 | | | 1 |
| 3.39 | 3.40 | 3.43 | 14585.39 | 231.883495 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4442.439 | 57.940037 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16812.78 | 197.018116 | | | 4 |
| 3.79 | 3.79 | 3.83 | 10917.49 | 152.091512 | | | 5 |
| 3.99 | 3.99 | 4.02 | 10110.08 | 198.876596 | | | 6 |
| Height Summation: | | | 60761.108 | | | | |
| Amount Avg CF: | | | 143.849187 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 50.33 | |
| 3.17 | 3.18 | 3.21 | 3892.929 | 46.256729 | | | 1 |
| 3.39 | 3.40 | 3.43 | 14585.39 | 183.962995 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4442.439 | 45.067199 | | | 3 |
| 3.73 | 3.74 | 3.77 | 16812.78 | 153.052976 | | | 4 |
| 3.79 | 3.79 | 3.83 | 10917.49 | 115.143654 | | | 5 |
| 3.98 | 3.99 | 4.02 | 10110.08 | 139.304106 | | | 6 |
| Height Summation: | | | 60761.108 | | | | |
| Amount Avg CF: | | | 113.797943 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 196.56 | |
| 3.79 | 3.79 | 3.83 | 10917.49 | 145.096585 | | | 1 |
| 3.85 | 3.86 | 3.89 | 18019.22 | 141.746914 | | | 2 |
| 3.98 | 3.99 | 4.02 | 10110.08 | 69.707545 | | | 3 |
| 4.25 | 4.29 | 4.29 | 24155.6 | 193.709238 | | | 5 |
| 4.64 | 4.65 | 4.68 | 466670.7 | 5127.133784 | | | 6 |
| Height Summation: | | | 529873.09 | | | | |
| Amount Avg CF: | | | 1135.478813 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 132.83 | |
| 4.23 | 4.24 | 4.27 | 258165.5 | 1686.373964 | | | 1 |
| 4.58 | 4.60 | 4.62 | 286420.6 | 1950.064524 | | | 2 |
| 4.64 | 4.65 | 4.68 | 466670.7 | 1692.097488 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 2030036 | 22685.294781 | | | 4 |
| 4.86 | 4.86 | 4.90 | 220457.4 | 1256.848132 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 22843.52 | 130.233031 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1345492 | 9275.883518 | | | 6 |
| Height Summation: | | | 4607242.2 | | | | |
| Amount Avg CF: | | | 6424.427068 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0029.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 117% (46-148) Conc.: 33.9787
%SSR(DCB) : 133% (49-139) Conc.: 38.64382

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 174.96 | |
| 2.87 | 2.90 | 2.91 | 211557.5 | 1044.517701 | | | 1 |
| 3.19 | 3.21 | 3.23 | 8393.166 | 33.478974 | | | 2 |
| 3.39 | 3.41 | 3.43 | 18474.68 | 68.933722 | | | 3 |
| 3.46 | 3.48 | 3.50 | 22004.68 | 79.889568 | | | 4 |
| 3.63 | 3.64 | 3.67 | 23195.97 | 99.093469 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8422.285 | 35.980105 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9426.353 | 46.872007 | | | 6 |
| Height Summation: | | | 293052.349 | | | | |
| Amount Avg CF: | | | 228.797574 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 123.80 | |
| 2.75 | 2.77 | 2.79 | 14254.56 | 126.118528 | | | 1 |
| 2.81 | 2.83 | 2.85 | 3458.65 | 48.02176 | | | 2 |
| 2.87 | 2.90 | 2.91 | 211557.5 | 729.157354 | | | 3 |
| Height Summation: | | | 229270.71 | | | | |
| Amount Avg CF: | | | 301.099214 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 110.59 | |
| 2.87 | 2.90 | 2.91 | 211557.5 | 744.538131 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8393.166 | 61.854517 | | | 2 |
| 3.39 | 3.41 | 3.43 | 18474.68 | 127.731892 | | | 3 |
| 3.47 | 3.48 | 3.51 | 22004.68 | 155.063691 | | | 4 |
| 3.63 | 3.64 | 3.67 | 23195.97 | 208.878942 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8422.285 | 75.842398 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9426.353 | 92.424478 | | | 6 |
| Height Summation: | | | 293052.349 | | | | |
| Amount Avg CF: | | | 231.748608 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 173.55 | |
| 2.87 | 2.90 | 2.91 | 211557.5 | 1417.631608 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8393.166 | 45.439534 | | | 2 |
| 3.39 | 3.41 | 3.43 | 18474.68 | 94.812741 | | | 3 |
| 3.47 | 3.48 | 3.51 | 22004.68 | 116.647456 | | | 4 |
| 3.63 | 3.64 | 3.67 | 23195.97 | 136.87868 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 8422.285 | 49.699635 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9426.353 | 63.843808 | | | 6 |
| Height Summation: | | | 293052.349 | | | | |
| Amount Avg CF: | | | 312.542304 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 137.49 | |
| + 3.50 | 3.51 | 3.54 | 31982.83 | 118.707544 | | | 1 |
| 3.50 | 3.54 | 3.54 | 84076.3 | 312.057785 | | | 1 |
| 3.63 | 3.64 | 3.67 | 23195.97 | 71.205472 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 8422.285 | 25.85418 | | | 2 |
| 3.72 | 3.73 | 3.76 | 9426.353 | 39.650147 | | | 3 |
| 3.85 | 3.86 | 3.89 | 566912.8 | 1254.659983 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 24911.11 | 55.131888 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 388173.8 | 1905.079584 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1393789 | 6840.438402 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 261064.1 | 2137.560225 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1181407 | 9673.212873 | | | 6 |
| Height Summation: | | | 3258807.423 | | | | |
| Amount Avg CF: | | | 3031.870777 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577903** ACF DF20 ATW47 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274A
Result file : 25PCBS16207035.0029.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 21.54 | |
| 4.76 | 4.77 | 4.80 | 2030036 | 10137.623519 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2811622 | 12976.104199 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1717901 | 13024.902187 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2364282 | 14326.689296 | | | 4 |
| 5.64 | 5.65 | 5.68 | 6366666 | 48483.189055 | | | 5 |
| 5.84 | 5.86 | 5.88 | 3429768 | 17460.848961 | | | 6 |
| Height Summation: | | | 18720275 | | | | |
| Amount Avg CF: | | | 14401.559536 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 25.03 | |
| E 5.23 | 5.24 | 5.27 | 1717901 | 7275.285743 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2364282 | 11487.17343 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 6366666 | 13565.132423 | | | 3 |
| E 5.84 | 5.86 | 5.88 | 3429768 | 12763.700825 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1445147 | 8658.67219 | | | 6 |
| Height Summation: | | | 15323764 | | | | |
| Amount Avg CF: | | | 10749.992922 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.34 | |
| E 5.84 | 5.86 | 5.88 | 3429768 | 6280.663448 | | | 1 |
| 6.03 | 6.04 | 6.07 | 63336.41 | 143.167578 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 88053.99 | 718.054075 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 607628.7 | 4955.031159 | | | 4 |
| E 6.28 | 6.29 | 6.32 | 1445147 | 7624.042644 | | | 5 |
| 6.48 | 6.49 | 6.52 | 289525.4 | 223.197973 | | | 6 |
| Height Summation: | | | 5835405.51 | | | | |
| Amount Avg CF: | | | 3845.22056 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0029.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 128.66 | |
| 4.15 | 4.16 | 4.19 | 220551.8 | 598.938824 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 388173.8 | 606.265196 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1393789 | 2176.874795 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4968816 | 16470.995301 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 261064.1 | 641.424583 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1181407 | 2902.672152 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 7100640 | 29091.835655 | | | 5 |
| 4.58 | 4.60 | 4.62 | 651057.2 | 2289.814547 | | | 6 |
| Height Summation: | | | 15516261 | | | | |
| Amount Avg CF: | | | 8921.855212 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.47 | |
| 4.29 | 4.31 | 4.33 | 4968816 | 10174.877708 | | | 1 |
| 4.43 | 4.44 | 4.47 | 7100640 | 12845.648263 | | | 2 |
| 4.53 | 4.55 | 4.57 | 5105954 | 11075.699998 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4953244 | 13481.056556 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 576425.2 | 1568.834631 | | | 4 |
| 5.07 | 5.08 | 5.11 | 14771550 | 18137.558959 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8329062 | 15263.187452 | | | 6 |
| Height Summation: | | | 45229266 | | | | |
| Amount Avg CF: | | | 13496.338156 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 33.72 | |
| E 4.69 | 4.70 | 4.73 | 3967681 | 6344.03775 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4953244 | 7761.766475 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 576425.2 | 903.262144 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 14771550 | 12612.452992 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2294049 | 4751.140297 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 8329062 | 10422.069344 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3563872 | 8300.092199 | | | 6 |
| Height Summation: | | | 37879458 | | | | |
| Amount Avg CF: | | | 8365.259843 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.57 | |
| 5.29 | 5.30 | 5.33 | 2294049 | 1597.033916 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 8329062 | 5990.091152 | | | 2 |
| 5.49 | 5.49 | 5.53 | 124523.5 | 102.196378 | | | 3 |
| 5.55 | 5.56 | 5.59 | 58383.17 | 199.532448 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 14831.18 | 50.687581 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3563872 | 7230.640791 | | | 5 |
| 5.91 | 5.92 | 5.95 | 625028.2 | 154.212074 | | | 6 |
| Height Summation: | | | 14994917.87 | | | | |
| Amount Avg CF: | | | 2545.617793 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 1013.9164 | 196.8191 | | ** 95.79 | 4 | 40 | |
| Aroclor-1221 | | | 1013.9164 | 304.1749 | | ** 162.62 | 3 | 5 | |
| Aroclor-1232 | | | 1013.9164 | 244.5328 | | ** 46.81 | 4 | 10 | |
| Aroclor-1242 | | | 1013.9164 | 244.5328 | | ** 93.23 | 4 | 30 | |
| Aroclor-1248 | | | 1013.9164 | 196.8191 | | ** 91.01 | 4 | 40 | |
| Aroclor-1254 | | | 1013.9164 | 262.4254 | E | 32.55 | 4 | 40 | |
| Aroclor-1260 | | | 1013.9164 | 232.6044 | | 6.49 | 4 | 40 | |
| Aroclor-1262 | | | 1013.9164 | 196.8191 | E | 24.95 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577903** ACF DF20 ATW47 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274A
Result file : 25PCBS16207035.0029.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 14:39:48
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0029.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 1013.9164 | 196.8191 | E | ** 40.67 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577903ACF DF20 ACATW47 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:39:48 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.003 | | 1554 | 686 |
| 2.036 | | 12560 | 11631 |
| 2.087 | | 8587 | 10542 |
| 2.133 | | 8178 | 10455 |
| 2.196 | | 88795 | 66072 |
| 2.282 | | 3930 | 2430 |
| 2.308 | | 10728 | 8145 |
| 2.381 | | 14015 | 18888 |
| 2.489 | | 2571 | 3387 |
| 2.558 | | 1604 | 2457 |
| 2.627 | | 9855 | 5769 |
| 2.648 | | 51521 | 32886 |
| 2.705 | | 1422 | 1589 |
| 2.755 | | 4985 | 8353 |
| 2.925 | TCX | 249057 | 175180 |
| 3.039 | | 9587 | 6296 |
| 3.07 | | 2215 | 2671 |
| 3.124 | | 942 | 1279 |
| 3.183 | | 3893 | 5511 |
| 3.233 | | 118801 | 113192 |
| 3.321 | | 1774 | 1456 |
| 3.401 | | 14585 | 27382 |
| 3.474 | | 3357 | 4136 |
| 3.518 | | 4442 | 2954 |
| 3.565 | | 3947 | 3419 |
| 3.595 | | 11209 | 7406 |
| 3.632 | | 1786 | 1973 |
| 3.676 | | 2070 | 1230 |
| 3.703 | | 5499 | 7016 |
| 3.741 | | 16813 | 13300 |
| 3.794 | | 10917 | 9057 |
| 3.864 | | 18019 | 13669 |
| 3.899 | | 44082 | 35542 |
| 3.93 | | 6381 | 7534 |
| 3.968 | | 2736 | 1792 |
| 3.99 | | 10110 | 12799 |
| 4.045 | | 6439 | 4259 |
| 4.07 | | 31555 | 34874 |
| 4.121 | | 3892 | 3037 |
| 4.15 | | 10686 | 11320 |
| 4.203 | | 21536 | 16092 |
| 4.24 | | 258166 | 237136 |
| 4.285 | | 24156 | 17898 |
| 4.352 | | 78666 | 65571 |
| 4.395 | | 355499 | 331867 |
| 4.429 | | 57449 | 44822 |
| 4.468 | | 7355 | 5098 |
| 4.492 | | 17560 | 13090 |
| 4.532 | | 136455 | 142720 |
| 4.603 | | 286421 | 411966 |
| 4.65 | | 466671 | 408521 |
| 4.694 | | 780079 | 895575 |
| 4.732 | | 200423 | 148607 |
| 4.771 | | 2030036 | 1862423 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.812 | | 24162 | 26899 |
| 4.863 | | 220457 | 272413 |
| 4.893 | | 22844 | 13813 |
| 4.92 | | 437016 | 419230 |
| 4.972 | | 2811622 | 3383912 |
| 5.022 | | 463868 | 414867 |
| 5.066 | | 1345493 | 1474752 |
| 5.108 | | 27148 | 16175 |
| 5.145 | | 292001 | 349240 |
| 5.181 | | 3586358 | 3866380 |
| 5.243 | | 1717901 | 1580734 |
| 5.287 | | 1188964 | 1180740 |
| 5.34 | | 9526 | 7263 |
| 5.408 | | 2364282 | 3084480 |
| 5.467 | | 1099200 | 1008757 |
| 5.507 | | 581507 | 531144 |
| 5.547 | | 120395 | 113841 |
| 5.592 | | 633741 | 593057 |
| 5.62 | | 25254 | 13205 |
| 5.649 | | 6366667 | 6261902 |
| 5.736 | | 12565 | 11633 |
| 5.772 | | 5641 | 3422 |
| 5.792 | | 7427 | 4651 |
| 5.856 | | 3429769 | 3532612 |
| 5.892 | | 856608 | 1689911 |
| 6.039 | | 63336 | 104461 |
| 6.104 | | 88054 | 67285 |
| 6.128 | | 607629 | 542367 |
| 6.161 | | 6639 | 4586 |
| 6.192 | | 4729 | 4581 |
| 6.253 | | 6431 | 4299 |
| 6.286 | | 1445147 | 1499617 |
| 6.331 | | 107484 | 103877 |
| 6.374 | | 1161 | 692 |
| 6.398 | | 4182 | 5649 |
| 6.487 | | 289525 | 334453 |
| 6.634 | DCB | 178693 | 196000 |
| 6.663 | | 7173 | 6873 |
| 6.712 | | 12234 | 15091 |
| 6.801 | | 2756 | 3117 |
| 6.847 | | 1468 | 1582 |
| 6.885 | | 1315 | 921 |
| 6.906 | | 1653 | 1056 |
| 6.948 | | 10029 | 11531 |
| 6.99 | | 2842 | 2475 |

LANCASTER LABORATORIES

Sample Number: 8577903ACF DF20 ACATW47 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:39:48 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

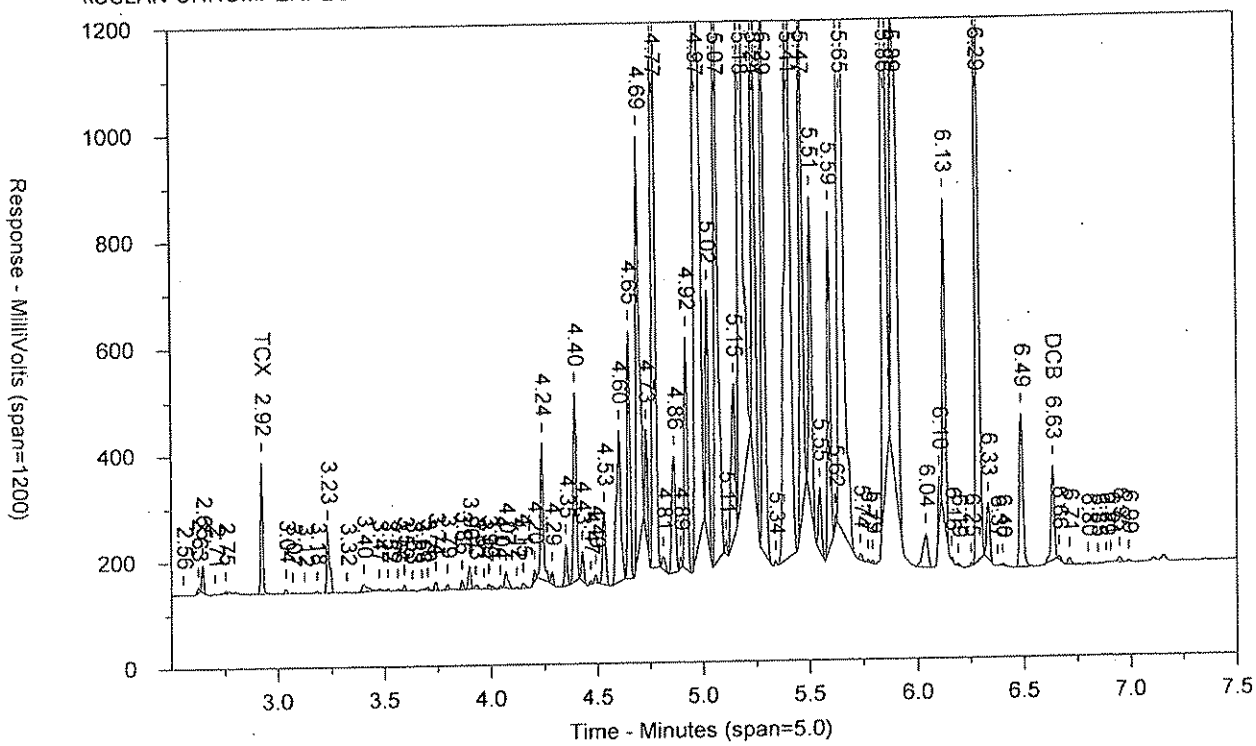
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.098 | | 9764 | 10987 |
| 2.145 | | 15706 | 14153 |
| 2.218 | | 4547 | 4301 |
| 2.296 | | 6126 | 6087 |
| 2.349 | | 89339 | 72805 |
| 2.45 | | 1371 | 2190 |
| 2.477 | | 4109 | 3801 |
| 2.519 | | 1707 | 1841 |
| 2.578 | | 2242 | 1993 |
| 2.599 | TCX | 419783 | 244485 |
| 2.701 | | 3794 | 7571 |
| 2.752 | | 1129 | 1713 |
| 2.769 | | 14255 | 7840 |
| 2.796 | | 1499 | 1132 |
| 2.829 | | 3459 | 2241 |
| 2.861 | | 1592 | 848 |
| 2.905 | | 211558 | 165023 |
| 2.995 | | 2476 | 2878 |
| 3.015 | | 2759 | 1659 |
| 3.042 | | 2631 | 2330 |
| 3.09 | | 7097 | 3903 |
| 3.111 | | 3404 | 1878 |
| 3.162 | | 3978 | 2653 |
| 3.187 | | 2721 | 1655 |
| 3.213 | | 8393 | 10396 |
| 3.249 | | 22881 | 15542 |
| 3.29 | | 3428 | 2694 |
| 3.312 | | 2961 | 1313 |
| 3.339 | | 3767 | 2618 |
| 3.37 | | 8583 | 7457 |
| 3.411 | | 18475 | 21730 |
| 3.46 | | 1821 | 1035 |
| 3.479 | | 22005 | 14746 |
| 3.514 | | 31983 | 17765 |
| 3.538 | | 84076 | 50991 |
| 3.571 | | 16077 | 12743 |
| 3.611 | | 2434 | 1089 |
| 3.642 | | 23196 | 17210 |
| 3.663 | | 8422 | 4437 |
| 3.685 | | 13287 | 8838 |
| 3.713 | | 55329 | 31162 |
| 3.731 | | 9426 | 5103 |
| 3.766 | | 14208 | 12557 |
| 3.815 | | 42826 | 43340 |
| 3.844 | | 8760 | 4114 |
| 3.86 | | 566913 | 350047 |
| 3.886 | | 24911 | 13038 |
| 3.906 | | 18899 | 9916 |
| 3.925 | | 159865 | 106253 |
| 3.96 | | 754928 | 502372 |
| 3.992 | | 138653 | 157359 |
| 4.054 | | 4688 | 2590 |
| 4.069 | | 16272 | 10524 |
| 4.093 | | 163778 | 185754 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.132 | | 54593 | 41065 |
| 4.159 | | 220552 | 149492 |
| 4.201 | | 396573 | 244423 |
| 4.218 | | 388174 | 182219 |
| 4.232 | | 1393789 | 773331 |
| 4.257 | | 761219 | 735738 |
| 4.309 | | 4968816 | 3534769 |
| 4.356 | | 84555 | 98548 |
| 4.377 | | 261064 | 164313 |
| 4.402 | | 1181407 | 868714 |
| 4.444 | | 7100640 | 5079138 |
| 4.498 | | 28810 | 20349 |
| 4.545 | | 5105954 | 4580795 |
| 4.597 | | 651057 | 540612 |
| 4.635 | | 1532050 | 1287484 |
| 4.671 | | 7947345 | 6296344 |
| 4.703 | | 3967681 | 2678900 |
| 4.741 | | 2730554 | 2052343 |
| 4.782 | | 4518 | 1705 |
| 4.798 | | 14147 | 7648 |
| 4.839 | | 828824 | 835240 |
| 4.89 | | 4953245 | 3845299 |
| 4.913 | | 576425 | 368082 |
| 4.963 | | 2792578 | 2335417 |
| 4.998 | | 1384696 | 1071506 |
| 5.028 | | 1076360 | 819545 |
| 5.06 | | 207715 | 124128 |
| 5.082 | | 14771550 | 11523720 |
| 5.123 | | 241294 | 180174 |
| 5.154 | | 345810 | 287186 |
| 5.199 | | 11008 | 8334 |
| 5.219 | | 17227 | 10564 |
| 5.273 | | 104375 | 64147 |
| 5.296 | | 2294049 | 1790723 |
| 5.339 | | 8329062 | 9074134 |
| 5.445 | | 4493 | 6713 |
| 5.495 | | 124524 | 105814 |
| 5.54 | | 247852 | 196571 |
| 5.563 | | 58383 | 36517 |
| 5.585 | | 14831 | 7963 |
| 5.612 | | 1385399 | 1177503 |
| 5.655 | | 12293 | 10985 |
| 5.692 | | 9881 | 5747 |
| 5.719 | | 3563872 | 2823260 |
| 5.75 | | 186373 | 135772 |
| 5.797 | | 4098 | 2522 |
| 5.832 | | 6785 | 6237 |
| 5.859 | | 4050 | 4607 |
| 5.918 | | 625028 | 537503 |
| 6.006 | | 3440 | 3340 |
| 6.038 | | 4576 | 3642 |
| 6.077 | DCB | 369781 | 330673 |
| 6.113 | | 10018 | 7163 |
| 6.142 | | 4800 | 4340 |
| 6.179 | | 2508 | 2287 |
| 6.207 | | 4667 | 3837 |
| 6.251 | | 14914 | 10966 |
| 6.278 | | 30152 | 25033 |
| 6.315 | | 3576 | 2414 |
| 6.343 | | 15985 | 15746 |
| 6.38 | | 970 | 994 |
| 6.421 | | 831 | 883 |
| 6.442 | | 7707 | 5755 |
| 6.498 | | 13892 | 11902 |
| 6.557 | | 22753 | 20975 |
| 6.617 | | 1892 | 2035 |

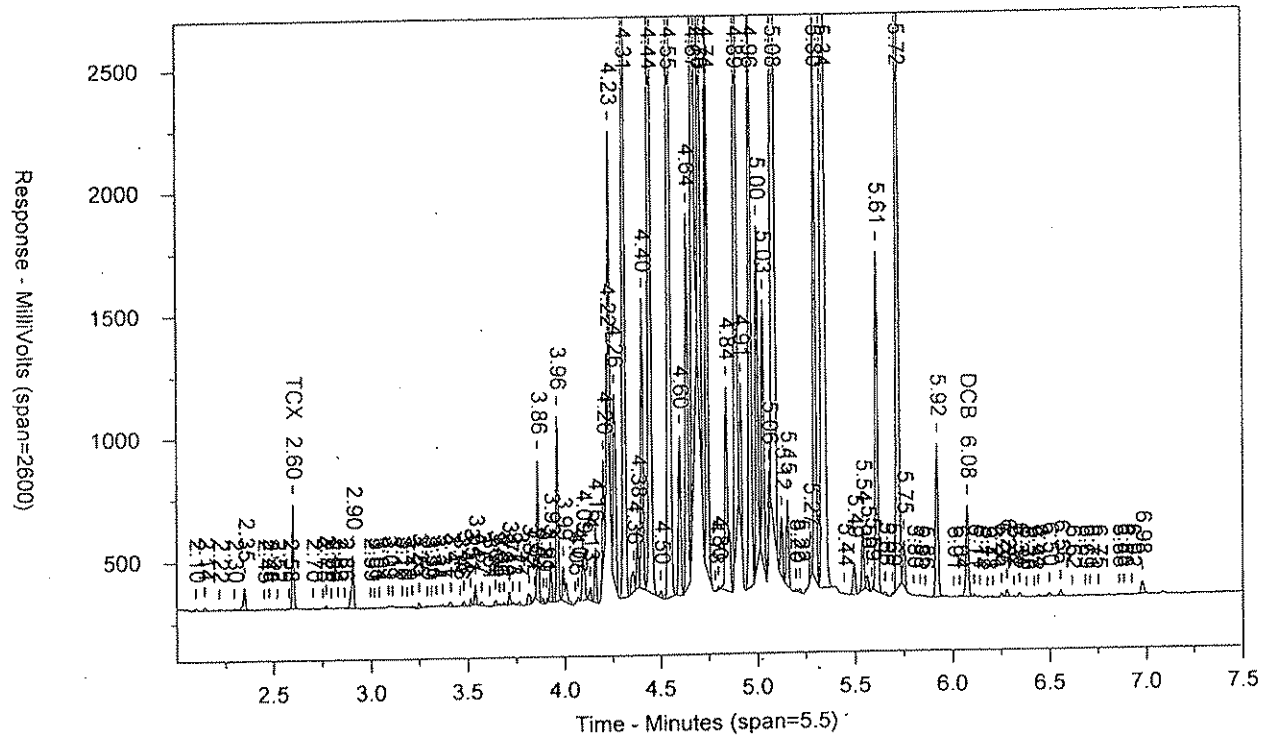
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.685 | | 908 | 585 |
| 6.709 | | 1954 | 1772 |
| 6.753 | | 1136 | 1325 |
| 6.859 | | 1548 | 1811 |
| 6.883 | | 2899 | 2781 |
| 6.925 | | 2616 | 3238 |
| 6.979 | | 51931 | 50698 |

8577903ACF DF20 ACATW47 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0029.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0029.RAW



LANCASTER LABORATORIES

Sample Number: 8577903ACF DF20 ACATW47 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:39:48 PM
Sample Weight: 10.06
Dilution Factor: 200
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

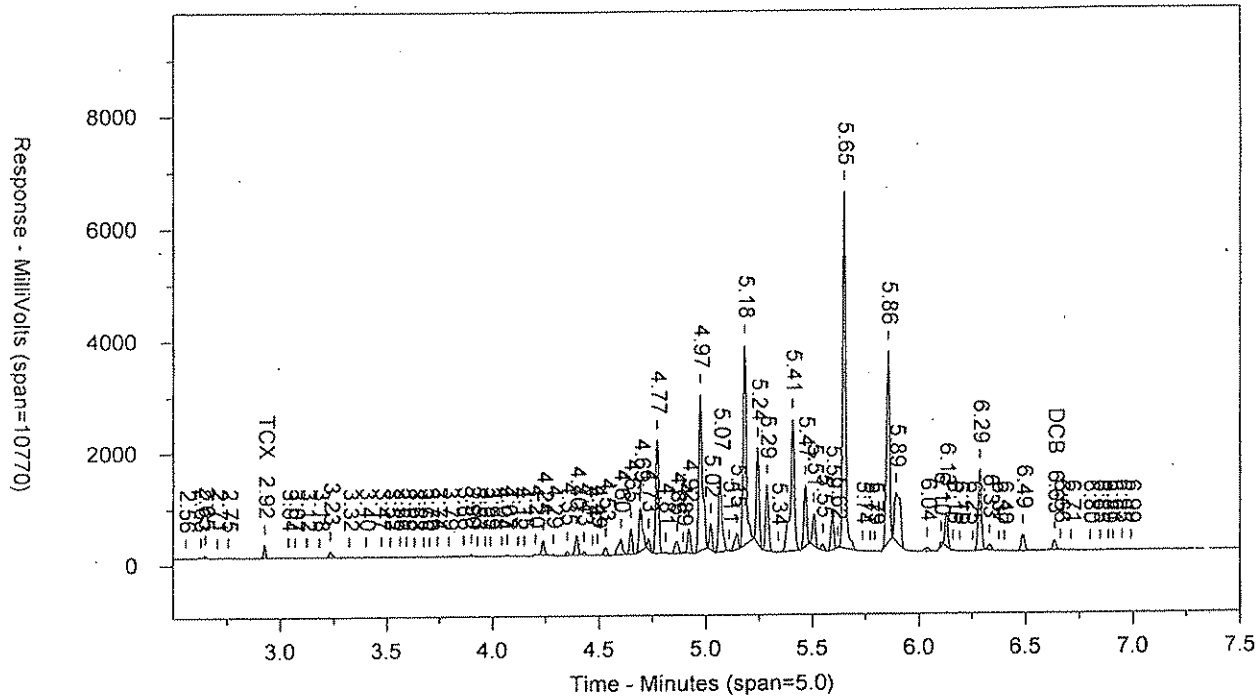
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 249057 | 36.597 | TCX | 2.599 | 419783 | 33.979 | TCX |
| 6.634 | 178693 | 53.148 | DCB | 6.077 | 369781 | 38.644 | DCB |

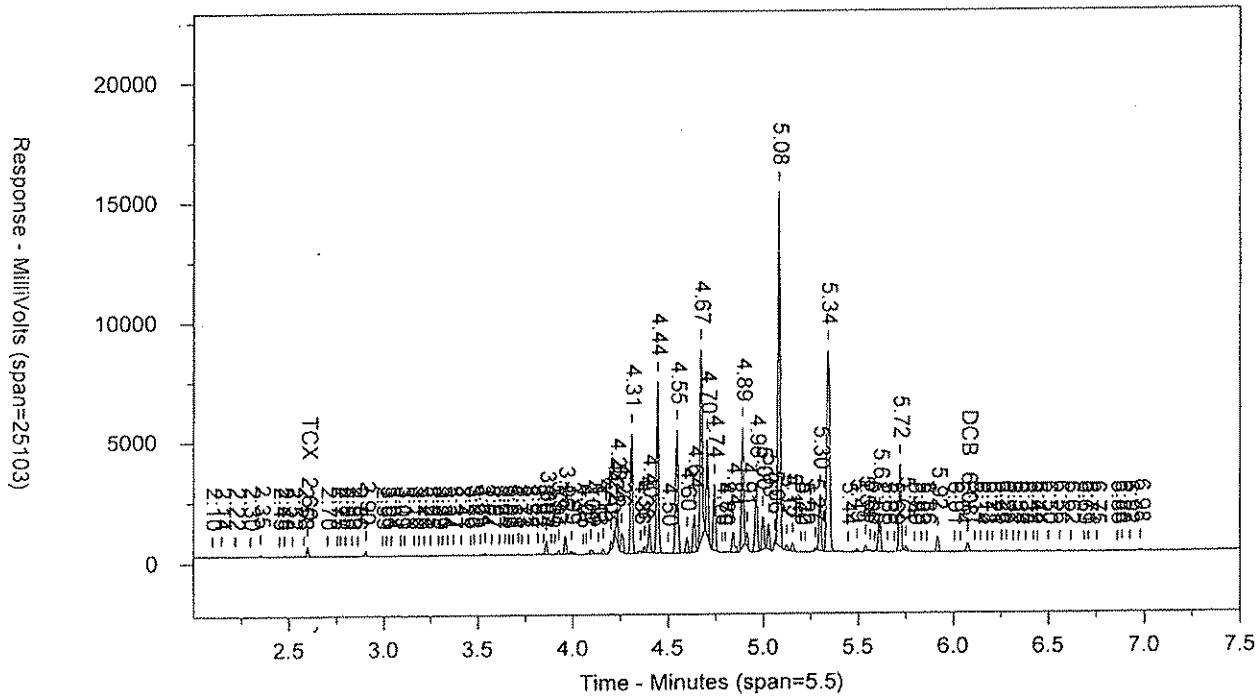
Files:
Area File: 25pcbs16207035.0029.RAW
Area File: 25pcbs16207035B.0029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:48:21 PM
File Reported On: 9/15/2016 at 2:48:33 PM

8577903ACF DF20 ACATW47 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0029.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0029.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577904** ACF DF5 ATW48 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:51:08 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0030.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 104% ( 46 - 148 ) Conc: 30.01693
%SSR(DCB) 125% ( 49 - 139 ) Conc: 36.31613

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 14:51:08 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0030.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 102% ( 46 - 148 ) Conc: 29.53982
%SSR(DCB) 103% ( 49 - 139 ) Conc: 29.88748

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.62** | |
| 4.76 | 4.77 | 4.80 | 1917848 | 2382.502895 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2717697 | 3120.148471 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1678835 | 3166.439442 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2206863 | 3326.662739 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5818410 | 4201.999471 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3167482 | 4011.45201 | | | 6 |

Height summation: **17507135**
Concentration CF: **3368.200838** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.69** | |
| 4.29 | 4.31 | 4.33 | 4773524 | 2431.656511 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6739261 | 3032.89686 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4957595 | 2675.1748 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4598118 | 3113.157942 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13683710 | 4179.684144 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8283587 | 3776.195016 | | | 6 |

Height summation: **43035795**
Concentration CF: **3201.460879** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <252.2255 | <48.9614 | | | 4 | |
| ☑ PCB-1221 | | | <252.2255 | <75.6677 | | | 3 | |
| ☑ PCB-1232 | | | <252.2255 | <60.8309 | | | 4 | |
| ☑ PCB-1242 | | | <252.2255 | <60.8309 | | | 4 | |
| ☑ PCB-1248 | | | <252.2255 | <48.9614 | | | 4 | |
| ☑ PCB-1254 | | | <252.2255 | <65.2819 | | | 4 | |
| ☑ PCB-1260 | A | 3368.200838 | 252.2255 | 57.8635 | | 5.08 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 821162 | 30.01693 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1467030 | 29.53982 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 490836 | 36.31613 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1149654 | 29.88748 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 30.01693 | | | | 1.60 | |
| ☑ Decachlorobiphenyl | A | 36.31613 | | | | 19.42 | |

Units: ug/kg

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

Reviewed by: Kirby D. Turner, Associate Chemist
Date: SEP 16 2016

Verified by: Valerie L. Tomaytis, Principal Specialist
Date: SEP 16 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577904** ACF DF5 ATW48 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:51:08
Instrument : P 25--18274A
Result file : 25PCBS16207035.0030.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 104% (46-148) Conc.: 30.01693
%SSR(DCB) : 125% (49-139) Conc.: 36.31613

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **6** | **37.43** | |
| 3.17 | 3.17 | 3.21 | 4298.638 | 9.285487 | | | 1 |
| 3.39 | 3.40 | 3.43 | 7362.057 | 16.177696 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4853.514 | 8.777659 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15098.82 | 24.087147 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9483.547 | 17.765789 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2862.976 | 5.363292 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8003.16 | 19.435326 | | | 6 |
| Height Summation: | | | **49099.736** | | | | |
| Amount Avg CF: | | | **15.921517** | Linear: | | | |
| **Aroclor-1221** | | | | | **1** | | |
| 3.07 | 3.08 | 3.11 | 1524.047 | 6.4204 | | | 1 |
| Height Summation: | | | **1524.047** | | | | |
| Amount Avg CF: | | | **6.4204** | Linear: | | | |
| **Aroclor-1232** | | | | | **5** | **33.64** | |
| 3.39 | 3.40 | 3.43 | 7362.057 | 29.116408 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4853.514 | 15.747094 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15098.82 | 44.014571 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9483.547 | 32.865467 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2862.976 | 9.921714 | | | 5 |
| 3.99 | 3.99 | 4.02 | 8003.16 | 39.163132 | | | 6 |
| Height Summation: | | | **44801.098** | | | | |
| Amount Avg CF: | | | **32.181334** | Linear: | | | |
| **Aroclor-1242** | | | | | **5** | **32.74** | |
| 3.39 | 3.40 | 3.43 | 7362.057 | 23.09928 | | | 2 |
| 3.51 | 3.52 | 3.55 | 4853.514 | 12.248481 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15098.82 | 34.192597 | | | 4 |
| 3.79 | 3.79 | 3.83 | 9483.547 | 24.881401 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2862.976 | 7.511415 | | | 5 |
| 3.98 | 3.99 | 4.02 | 8003.16 | 27.432012 | | | 6 |
| Height Summation: | | | **44801.098** | | | | |
| Amount Avg CF: | | | **24.370754** | Linear: | | | |
| **Aroclor-1248** | | | | | **5** | **198.19** | |
| 3.79 | 3.79 | 3.83 | 9483.547 | 31.353933 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 2862.976 | 9.465399 | | | 1 |
| 3.85 | 3.86 | 3.89 | 17721.06 | 34.678009 | | | 2 |
| 3.98 | 3.99 | 4.02 | 8003.16 | 13.726933 | | | 3 |
| 4.25 | 4.28 | 4.29 | 19690.69 | 39.280795 | | | 5 |
| 4.64 | 4.65 | 4.68 | 434791.8 | 1188.316956 | | | 6 |
| Height Summation: | | | **489690.257** | | | | |
| Amount Avg CF: | | | **261.471325** | Linear: | | | |
| **Aroclor-1254** | | | | | **6** | **131.04** | |
| 4.23 | 4.24 | 4.27 | 277059.8 | 450.21093 | | | 1 |
| 4.58 | 4.60 | 4.62 | 276462.3 | 468.23889 | | | 2 |
| 4.64 | 4.65 | 4.68 | 434791.8 | 392.177817 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1917848 | 5331.405371 | | | 4 |
| 4.86 | 4.86 | 4.90 | 208527.6 | 295.738933 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 21573.76 | 30.596433 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1302000 | 2232.913937 | | | 6 |
| Height Summation: | | | **4416689.5** | | | | |
| Amount Avg CF: | | | **1528.447646** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:51:08
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0030.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 102% (46-148) Conc.: 29.53982
%SSR(DCB) : 103% (49-139) Conc.: 29.88748

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | **5** | **166.84** | |
| 2.87 | 2.90 | 2.91 | 195106 | 239.632014 | | | 1 |
| 3.19 | 3.21 | 3.23 | 7142.936 | 7.087775 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16566.02 | 15.376582 | | | 3 |
| 3.46 | 3.48 | 3.50 | 19919.32 | 17.990215 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19680.56 | 20.914948 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 7993.46 | 8.494819 | | | 5 |
| Height Summation: | | | **258414.836** | | | | |
| Amount Avg CF: | | | **60.200307** | Linear: | | | |
| **Aroclor-1221** | | | | | **3** | **127.41** | |
| + 2.75 | 2.75 | 2.79 | 1973.904 | 4.344481 | | | 1 |
| 2.75 | 2.77 | 2.79 | 15176.5 | 33.402851 | | | 1 |
| 2.81 | 2.83 | 2.85 | 1196.479 | 4.1326 | | | 2 |
| 2.87 | 2.90 | 2.91 | 195106 | 167.282416 | | | 3 |
| Height Summation: | | | **211478.979** | | | | |
| Amount Avg CF: | | | **68.272622** | Linear: | | | |
| **Aroclor-1232** | | | | | **5** | **109.66** | |
| 2.87 | 2.90 | 2.91 | 195106 | 170.811056 | | | 1 |
| 3.20 | 3.21 | 3.24 | 7142.936 | 13.095111 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16566.02 | 28.492295 | | | 3 |
| 3.47 | 3.48 | 3.51 | 19919.32 | 34.918566 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19680.56 | 44.08658 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 7993.46 | 17.906214 | | | 5 |
| Height Summation: | | | **258414.836** | | | | |
| Amount Avg CF: | | | **58.280722** | Linear: | | | |
| **Aroclor-1242** | | | | | **5** | **165.44** | |
| 2.87 | 2.90 | 2.91 | 195106 | 325.231364 | | | 1 |
| 3.20 | 3.21 | 3.24 | 7142.936 | 9.619924 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16566.02 | 21.149241 | | | 3 |
| 3.47 | 3.48 | 3.51 | 19919.32 | 26.26767 | | | 4 |
| 3.63 | 3.64 | 3.67 | 19680.56 | 28.890001 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 7993.46 | 11.733968 | | | 5 |
| Height Summation: | | | **258414.836** | | | | |
| Amount Avg CF: | | | **82.23164** | Linear: | | | |
| **Aroclor-1248** | | | | | **5** | **119.86** | |
| + 3.50 | 3.51 | 3.54 | 33135.17 | 30.594085 | | | 1 |
| 3.50 | 3.54 | 3.54 | 71502.59 | 66.019166 | | | 1 |
| 3.63 | 3.64 | 3.67 | 19680.56 | 15.028828 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 7993.46 | 6.104112 | | | 2 |
| 3.85 | 3.86 | 3.89 | 591676.3 | 325.747275 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 17157.82 | 9.446235 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 386979.2 | 472.455991 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1382855 | 1688.30296 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 239964.3 | 488.77015 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1159135 | 2360.978644 | | | 6 |
| Height Summation: | | | **3224849.45** | | | | |
| Amount Avg CF: | | | **891.215375** | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577904** ACF DF5 ATW48 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 14:51:08
Instrument : P 25--18274A
Result file : 25PCBS16207035.0030.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 19.62 | |
| 4.76 | 4.77 | 4.80 | 1917848 | 2382.502895 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2717697 | 3120.148471 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1678835 | 3166.439442 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2206863 | 3326.662739 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5818410 | 4201.999471 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3167482 | 4011.45201 | | | 6 |
| Height Summation: | | | 17507135 | | | | |
| Amount Avg CF: | | | 3368.200838 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.61 | |
| E 5.23 | 5.24 | 5.27 | 1678835 | 1768.669845 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2206863 | 2667.326068 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5818410 | 3083.920156 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3167482 | 2932.33012 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1318666 | 1965.445088 | | | 6 |
| Height Summation: | | | 14190256 | | | | |
| Amount Avg CF: | | | 2483.538255 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.31 | |
| E 5.84 | 5.85 | 5.88 | 3167482 | 1442.918387 | | | 1 |
| 6.03 | 6.04 | 6.07 | 64158.43 | 36.077115 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 86526.66 | 175.527386 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 541716.6 | 1098.92256 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1318666 | 1730.592964 | | | 5 |
| 6.48 | 6.48 | 6.52 | 279630.8 | 53.626001 | | | 6 |
| Height Summation: | | | 5371653.83 | | | | |
| Amount Avg CF: | | | 872.427405 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 14:51:08
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0030.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.99 | |
| 4.15 | 4.16 | 4.19 | 215639.6 | 145.675732 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 386979.2 | 150.352576 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1382855 | 537.279037 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4773524 | 3936.342442 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 239964.3 | 146.666834 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1159135 | 708.466468 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6739261 | 6868.671413 | | | 5 |
| 4.58 | 4.60 | 4.62 | 596022.6 | 521.471677 | | | 6 |
| Height Summation: | | | 14866437.2 | | | | |
| Amount Avg CF: | | | 2119.651128 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.69 | |
| 4.29 | 4.31 | 4.33 | 4773524 | 2431.656511 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6739261 | 3032.89686 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4957595 | 2675.1748 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4598118 | 3113.157942 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 548761.1 | 371.538959 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13683710 | 4179.684144 | | | 5 |
| 5.33 | 5.34 | 5.37 | 8283587 | 3776.195016 | | | 6 |
| Height Summation: | | | 43035795 | | | | |
| Amount Avg CF: | | | 3201.460879 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.95 | |
| E 4.69 | 4.70 | 4.73 | 3721754 | 1480.346933 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4598118 | 1792.411807 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 548761.1 | 213.914883 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 13683710 | 2906.458907 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2097736 | 1080.768878 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 8283587 | 2578.476248 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3202837 | 1855.591993 | | | 6 |
| Height Summation: | | | 35587742 | | | | |
| Amount Avg CF: | | | 1949.009128 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.69 | |
| 5.29 | 5.30 | 5.33 | 2097736 | 363.286379 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 8283587 | 1481.980905 | | | 2 |
| 5.49 | 5.49 | 5.53 | 123344.7 | 25.182075 | | | 3 |
| 5.55 | 5.56 | 5.59 | 67091.04 | 57.039698 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 12082.33 | 10.272198 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3202837 | 1616.502424 | | | 5 |
| 5.91 | 5.92 | 5.95 | 576013.2 | 35.353957 | | | 6 |
| Height Summation: | | | 14350608.94 | | | | |
| Amount Avg CF: | | | 596.557573 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 252.2255 | 48.9614 | | ** 116.34 | 4 | 40 | |
| Aroclor-1221 | | | 252.2255 | 75.6677 | | ** 165.62 | 3 | 5 | |
| Aroclor-1232 | | | 252.2255 | 60.8309 | | ** 57.70 | 4 | 10 | |
| Aroclor-1242 | | | 252.2255 | 60.8309 | | ** 108.55 | 4 | 30 | |
| Aroclor-1248 | | | 252.2255 | 48.9614 | | ** 109.27 | 4 | 40 | |
| Aroclor-1254 | | | 252.2255 | 65.2819 | E | 32.41 | 4 | 40 | |
| Aroclor-1260 | | | 252.2255 | 57.8635 | | 5.08 | 4 | 40 | |
| Aroclor-1262 | | | 252.2255 | 48.9614 | E | 24.12 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577904** ACF DF5 ATW48 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.11 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

**Analysis Report (A)**

| | |
|---|---|
| Injected on | : Sep 15, 2016 14:51:08 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0030.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

**Analysis Report (B)**

| | |
|---|---|
| Injected on | : Sep 15, 2016 14:51:08 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0030.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 252.2255 | 48.9614 | E | 37.56 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577904ACF DF5 ACATW48 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:51:08 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: 25pcbs16207035.0030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.004 | | 1357 | 531 |
| 2.036 | | 12278 | 11490 |
| 2.088 | | 9131 | 11570 |
| 2.129 | | 13328 | 15196 |
| 2.196 | | 77346 | 60426 |
| 2.282 | | 2134 | 1493 |
| 2.308 | | 16184 | 10389 |
| 2.382 | | 14790 | 13408 |
| 2.407 | | 3560 | 2262 |
| 2.49 | | 2088 | 1691 |
| 2.564 | | 1868 | 2802 |
| 2.627 | | 8111 | 4697 |
| 2.648 | | 42733 | 26754 |
| 2.701 | | 1438 | 1711 |
| 2.734 | | 1846 | 1235 |
| 2.757 | | 2168 | 2708 |
| 2.81 | | 3544 | 4006 |
| 2.876 | | 968 | 1083 |
| 2.925 | TCX | 821162 | 556512 |
| 3.038 | | 10015 | 6419 |
| 3.081 | | 1524 | 2183 |
| 3.125 | | 2226 | 1953 |
| 3.174 | | 4299 | 6553 |
| 3.232 | | 109668 | 106323 |
| 3.321 | | 2210 | 2071 |
| 3.401 | | 7362 | 9916 |
| 3.473 | | 3689 | 4617 |
| 3.516 | | 4854 | 3462 |
| 3.565 | | 3652 | 4265 |
| 3.594 | | 9687 | 6344 |
| 3.628 | | 1923 | 2754 |
| 3.674 | | 1893 | 1180 |
| 3.7 | | 5177 | 6014 |
| 3.739 | | 15099 | 12784 |
| 3.793 | | 9484 | 7757 |
| 3.823 | | 2863 | 2815 |
| 3.863 | | 17721 | 14001 |
| 3.898 | | 39336 | 31923 |
| 3.929 | | 5521 | 6133 |
| 3.967 | | 2760 | 1788 |
| 3.989 | | 8003 | 10298 |
| 4.043 | | 6182 | 4111 |
| 4.068 | | 28128 | 29815 |
| 4.118 | | 3585 | 2984 |
| 4.149 | | 9743 | 10317 |
| 4.202 | | 19504 | 15432 |
| 4.238 | | 277060 | 244870 |
| 4.283 | | 19691 | 14153 |
| 4.35 | | 78134 | 65795 |
| 4.393 | | 364745 | 341170 |
| 4.428 | | 50526 | 39049 |
| 4.466 | | 6003 | 4142 |
| 4.49 | | 15358 | 12051 |
| 4.531 | | 121047 | 127022 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.601 | | 276462 | 396656 |
| 4.648 | | 434792 | 394679 |
| 4.693 | | 748315 | 854051 |
| 4.731 | | 193922 | 142579 |
| 4.77 | | 1917848 | 1783070 |
| 4.81 | | 23251 | 23880 |
| 4.86 | | 208528 | 252550 |
| 4.891 | | 21574 | 13434 |
| 4.918 | | 425777 | 398923 |
| 4.971 | | 2717697 | 3222487 |
| 5.021 | | 440368 | 395186 |
| 5.064 | | 1302000 | 1394326 |
| 5.106 | | 24463 | 14014 |
| 5.144 | | 279147 | 331274 |
| 5.179 | | 3381827 | 3645818 |
| 5.242 | | 1678835 | 1480470 |
| 5.285 | | 1091074 | 1111768 |
| 5.338 | | 8672 | 6360 |
| 5.408 | | 2206863 | 2880564 |
| 5.465 | | 1010247 | 941467 |
| 5.506 | | 569417 | 513151 |
| 5.545 | | 112705 | 109236 |
| 5.59 | | 607607 | 558970 |
| 5.619 | | 20925 | 11155 |
| 5.646 | | 5818410 | 5809692 |
| 5.736 | | 12163 | 12933 |
| 5.768 | | 5401 | 3452 |
| 5.789 | | 7385 | 4553 |
| 5.815 | | 3332 | 2100 |
| 5.854 | | 3167482 | 3250662 |
| 5.892 | | 819590 | 1562859 |
| 6.036 | | 64158 | 98175 |
| 6.102 | | 86527 | 63382 |
| 6.126 | | 541717 | 498714 |
| 6.159 | | 6685 | 4458 |
| 6.189 | | 3624 | 3565 |
| 6.25 | | 5550 | 3982 |
| 6.283 | | 1318666 | 1365354 |
| 6.328 | | 97665 | 93168 |
| 6.395 | | 4132 | 5360 |
| 6.484 | | 279631 | 303923 |
| 6.63 | DCB | 490836 | 604134 |
| 6.708 | | 9893 | 12471 |
| 6.798 | | 3136 | 3854 |
| 6.844 | | 1173 | 1480 |
| 6.881 | | 1041 | 761 |
| 6.903 | | 1505 | 1120 |
| 6.945 | | 8834 | 9958 |
| 6.988 | | 3295 | 3316 |

LANCASTER LABORATORIES

Sample Number: 8577904ACF DF5 ACATW48 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:51:08 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: 25pcbs16207035B.0030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

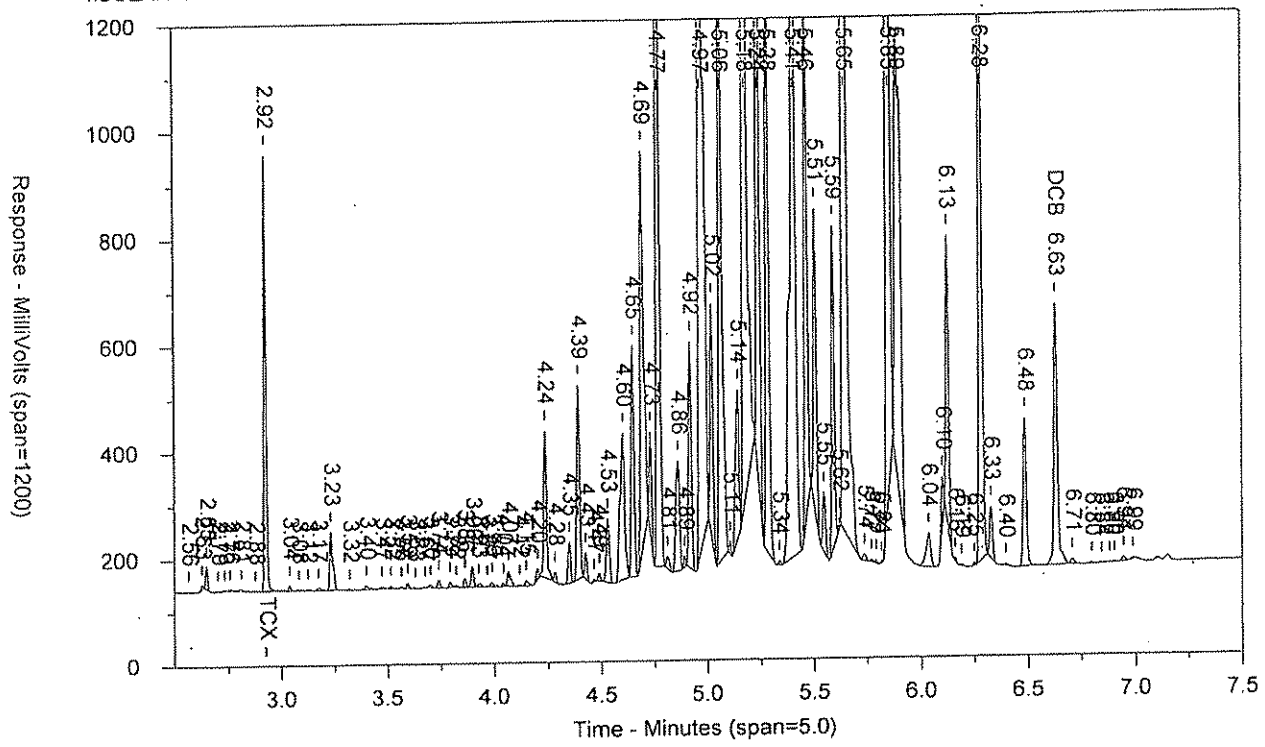
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.019 | | 1429 | 1076 |
| 2.101 | | 11134 | 11462 |
| 2.145 | | 17386 | 10854 |
| 2.218 | | 3894 | 3374 |
| 2.271 | | 1762 | 1389 |
| 2.296 | | 5798 | 5479 |
| 2.349 | | 76004 | 66105 |
| 2.419 | | 2766 | 2093 |
| 2.477 | | 4136 | 4053 |
| 2.516 | | 2812 | 5491 |
| 2.576 | | 1769 | 1919 |
| 2.599 | TCX | 1467030 | 845662 |
| 2.66 | | 2937 | 1895 |
| 2.695 | | 3791 | 6803 |
| 2.755 | | 1974 | 2196 |
| 2.77 | | 15177 | 7783 |
| 2.797 | | 1754 | 1456 |
| 2.829 | | 1196 | 1160 |
| 2.905 | | 195106 | 147632 |
| 2.932 | | 3200 | 3057 |
| 2.994 | | 1923 | 1542 |
| 3.016 | | 2765 | 1816 |
| 3.042 | | 2872 | 2286 |
| 3.09 | | 6337 | 3397 |
| 3.11 | | 3122 | 2104 |
| 3.163 | | 3499 | 2590 |
| 3.188 | | 3416 | 2399 |
| 3.212 | | 7143 | 9453 |
| 3.248 | | 18725 | 12662 |
| 3.288 | | 2856 | 2964 |
| 3.312 | | 2286 | 1092 |
| 3.337 | | 2325 | 1323 |
| 3.369 | | 7872 | 8435 |
| 3.411 | | 16566 | 17685 |
| 3.458 | | 3030 | 1635 |
| 3.478 | | 19919 | 12436 |
| 3.513 | | 33135 | 18544 |
| 3.537 | | 71503 | 44232 |
| 3.57 | | 13173 | 12867 |
| 3.641 | | 19681 | 14475 |
| 3.662 | | 7993 | 4411 |
| 3.684 | | 11685 | 7810 |
| 3.713 | | 49846 | 36601 |
| 3.765 | | 12678 | 10879 |
| 3.814 | | 38871 | 38976 |
| 3.859 | | 591676 | 402998 |
| 3.885 | | 17158 | 9059 |
| 3.905 | | 16209 | 8307 |
| 3.924 | | 169060 | 109362 |
| 3.959 | | 809068 | 523564 |
| 3.99 | | 100513 | 56619 |
| 4.006 | | 46544 | 25058 |
| 4.068 | | 18910 | 20814 |
| 4.091 | | 144647 | 163815 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.13 | | 57198 | 42692 |
| 4.157 | | 215640 | 144034 |
| 4.199 | | 402803 | 248605 |
| 4.217 | | 386979 | 187544 |
| 4.231 | | 1382855 | 752971 |
| 4.256 | | 745753 | 712001 |
| 4.307 | | 4773524 | 3381281 |
| 4.354 | | 82018 | 88265 |
| 4.376 | | 239964 | 147765 |
| 4.401 | | 1159135 | 827405 |
| 4.443 | | 6739261 | 4839481 |
| 4.497 | | 16015 | 10712 |
| 4.544 | | 4957595 | 4370337 |
| 4.596 | | 596023 | 499260 |
| 4.634 | | 1477754 | 1214898 |
| 4.67 | | 7439214 | 5907773 |
| 4.702 | | 3721754 | 2512653 |
| 4.74 | | 2592412 | 1931047 |
| 4.797 | | 15472 | 8454 |
| 4.838 | | 783146 | 785620 |
| 4.889 | | 4598118 | 3605298 |
| 4.912 | | 548761 | 338055 |
| 4.962 | | 2537391 | 2190003 |
| 4.997 | | 1332266 | 993547 |
| 5.026 | | 960999 | 754165 |
| 5.059 | | 213357 | 120939 |
| 5.081 | | 13683710 | 10665980 |
| 5.122 | | 233203 | 168265 |
| 5.153 | | 342572 | 274584 |
| 5.198 | | 9770 | 7222 |
| 5.218 | | 16521 | 10692 |
| 5.271 | | 104514 | 61542 |
| 5.295 | | 2097737 | 1657243 |
| 5.339 | | 8283587 | 8358014 |
| 5.398 | | 7664 | 7748 |
| 5.494 | | 123345 | 102045 |
| 5.539 | | 232602 | 178684 |
| 5.563 | | 67091 | 41872 |
| 5.584 | | 12082 | 6483 |
| 5.611 | | 1318817 | 1083227 |
| 5.654 | | 10485 | 8399 |
| 5.691 | | 9160 | 5382 |
| 5.718 | | 3202837 | 2563744 |
| 5.749 | | 165025 | 122054 |
| 5.83 | | 5289 | 5579 |
| 5.858 | | 3246 | 3712 |
| 5.917 | | 576013 | 490722 |
| 5.964 | | 3274 | 2242 |
| 6.005 | | 4078 | 3813 |
| 6.032 | | 1636 | 1119 |
| 6.076 | DCB | 1149654 | 991620 |
| 6.111 | | 9524 | 6885 |
| 6.141 | | 5192 | 3838 |
| 6.178 | | 2342 | 1746 |
| 6.205 | | 4722 | 3714 |
| 6.249 | | 9443 | 6977 |
| 6.276 | | 37925 | 31751 |
| 6.311 | | 3195 | 2444 |
| 6.342 | | 15561 | 14363 |
| 6.39 | | 1083 | 1393 |
| 6.441 | | 8018 | 6457 |
| 6.496 | | 15582 | 14252 |
| 6.555 | | 22712 | 23924 |
| 6.613 | | 1804 | 3196 |
| 6.706 | | 2842 | 5723 |
| 6.765 | | 953 | 1805 |

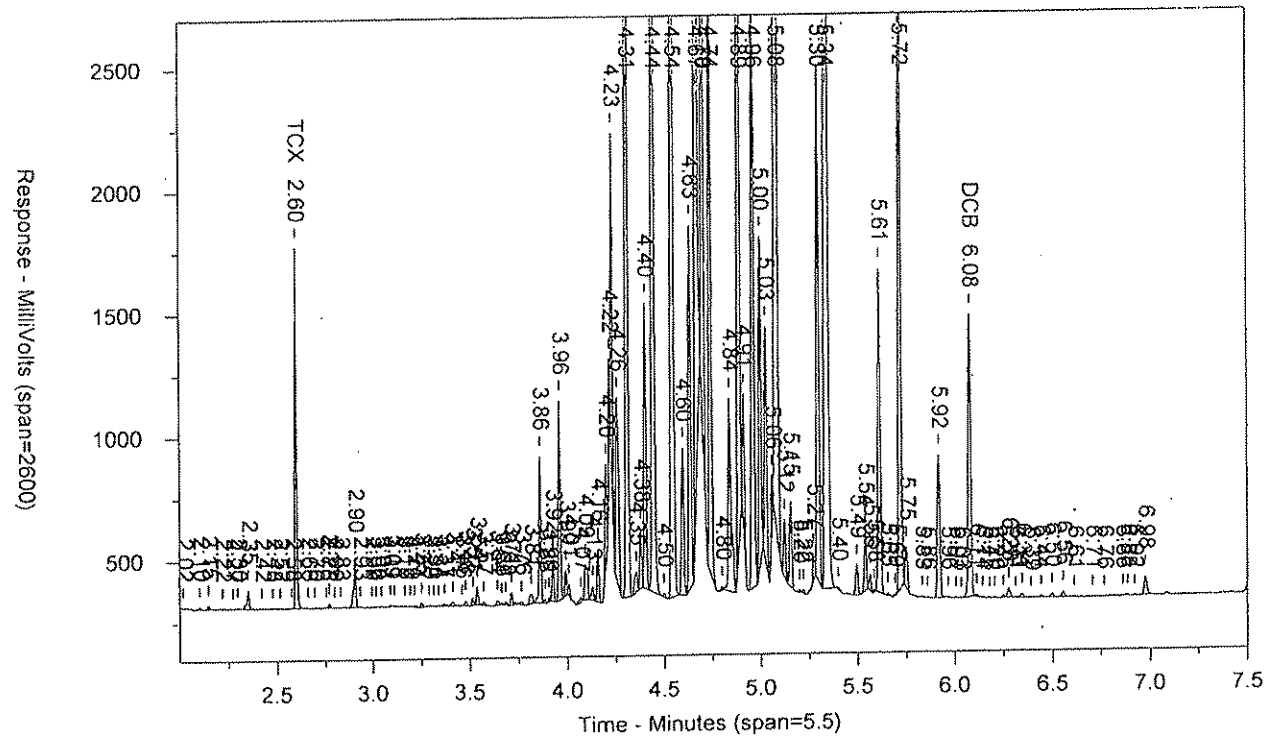
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.857 | | 1535 | 1692 |
| 6.883 | | 4120 | 3292 |
| 6.919 | | 2106 | 1670 |
| 6.975 | | 74505 | 72575 |

8577904ACF DF5 ACATW48 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0030.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0030.RAW



LANCASTER LABORATORIES

Sample Number: 8577904ACF DF5 ACATW48 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 2:51:08 PM
Sample Weight: 10.11
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

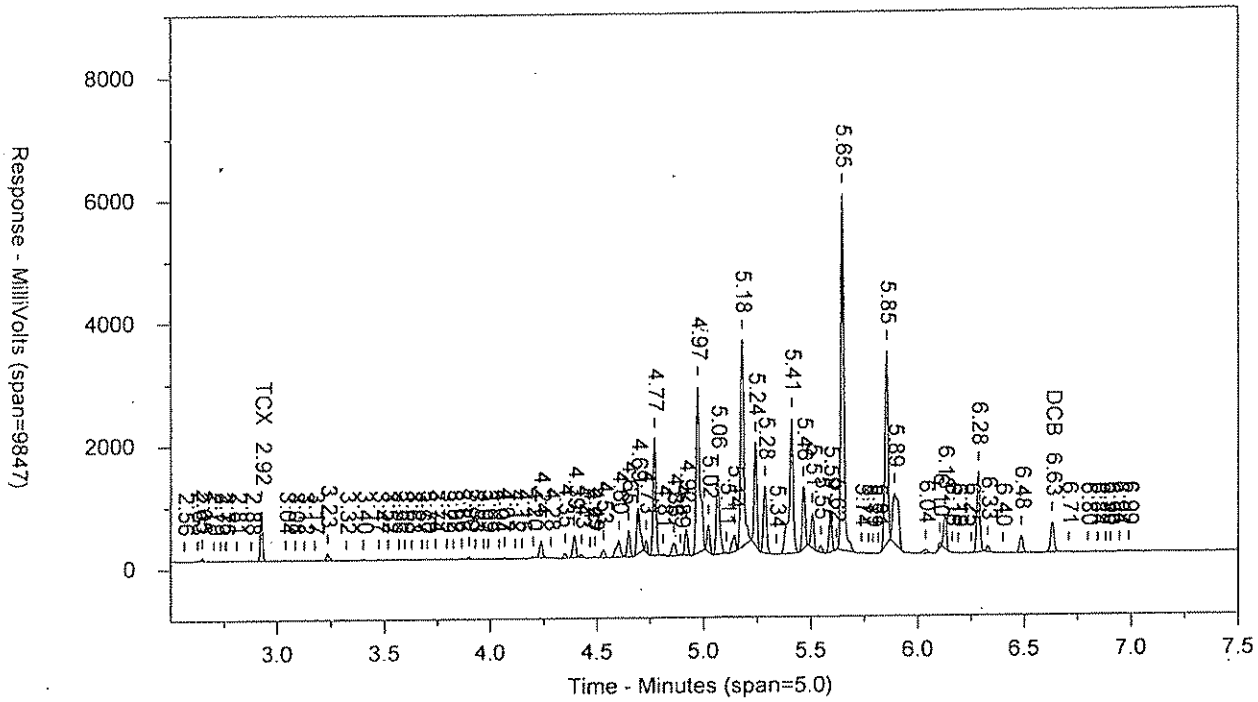
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 821162 | 30.017 | TCX | 2.599 | 1467030 | 29.54 | TCX |
| 6.63 | 490836 | 36.316 | DCB | 6.076 | 1149654 | 29.887 | DCB |

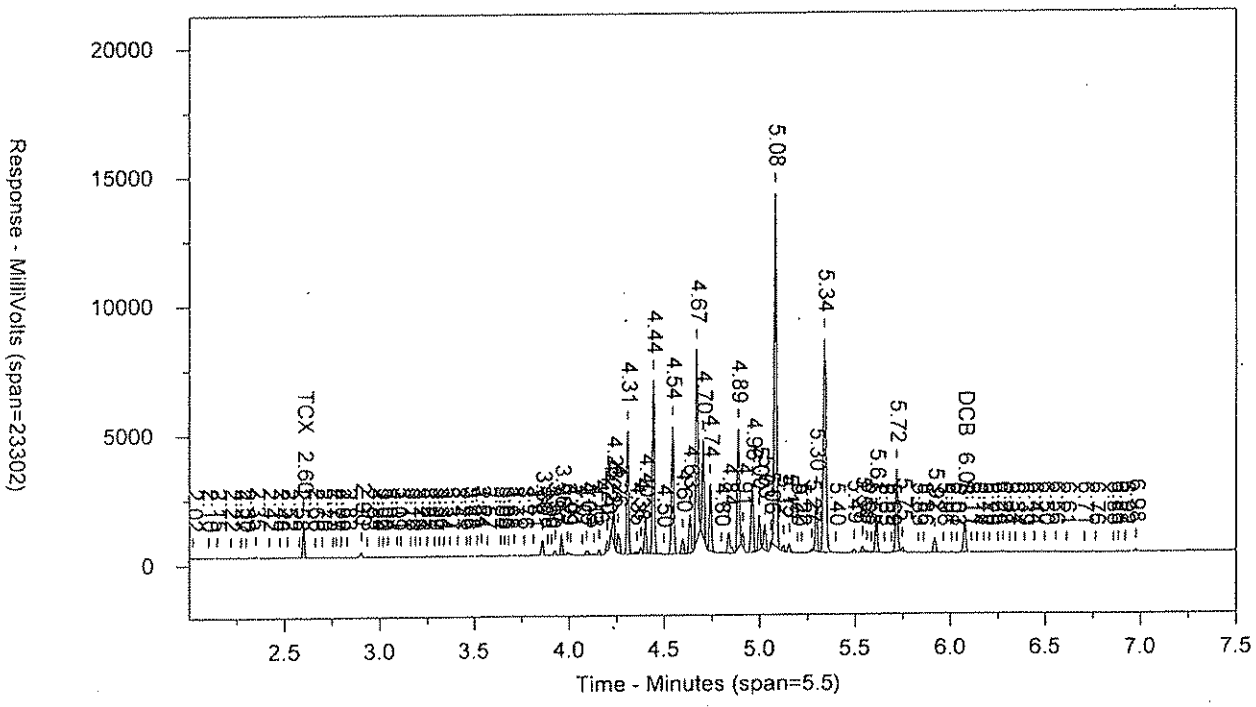
Files:
Area File: 25pcbs16207035.0030.RAW
Area File: 25pcbs16207035B.0030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:59:40 PM
File Reported On: 9/15/2016 at 2:59:49 PM

8577904ACF DF5 ACATW48 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0030.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0030.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577905** ACF DF10 ATW49 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.23 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 15:02:33 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0031.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 113% ( 46 - 148 ) Conc: 32.42531
%SSR(DCB) * 159% ( 49 - 139 ) Conc: 45.37109

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 15:02:33 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0031.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 109% ( 46 - 148 ) Conc: 31.05498
%SSR(DCB) 116% ( 49 - 139 ) Conc: 33.28028

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **14.84** | |
| 4.76 | 4.77 | 4.80 | 2379958 | 5843.782769 | | | 1 |
| 4.96 | 4.97 | 5.00 | 3364877 | 7635.701396 | | | 2 |
| 5.23 | 5.24 | 5.27 | 2059055 | 7676.029529 | | | 3 |

Height summation: **7803890**
Concentration CF: **7051.837898** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.01~** | |
| 4.29 | 4.31 | 4.33 | 6026424 | 6067.75894 | | | 1 |
| 4.43 | 4.44 | 4.47 | 8295797 | 7379.195204 | | | 2 |
| 4.53 | 4.54 | 4.57 | 5937542 | 6332.76441 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5988980 | 8014.555167 | | | 4 |
| 5.07 | 5.08 | 5.11 | 16835040 | 10163.873994 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9902027 | 8922.069473 | | | 6 |

Height summation: **52985810**
Concentration CF: **7813.369531** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <498.5337 | <96.7742 | | | 4 | |
| ☑ PCB-1221 | | | <498.5337 | <149.5601 | | | 3 | |
| ☑ PCB-1232 | | | <498.5337 | <120.2346 | | | 4 | |
| ☑ PCB-1242 | | | <498.5337 | <120.2346 | | | 4 | |
| ☑ PCB-1248 | | | <498.5337 | <96.7742 | | | 4 | |
| ☑ PCB-1254 | | | <498.5337 | <129.0323 | | | 4 | |
| ☑ PCB-1260 | B | 7813.369531 | 498.5337 | 114.3695 | | 10.25 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 448788 | 32.42531 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 780292 | 31.05498 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 310249 | 45.37109 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 647678 | 33.28028 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 32.42531 | | | | 4.32 | |
| ☑ Decachlorobiphenyl | A | 45.37109 | | | | 30.75 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 16 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 16 2016

9/16/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577905** ACF DF10 ATW49 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.23 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 15:02:33
Instrument : P 25--18274A
Result file : 25PCBS16207035.0031.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 113% (46-148) Conc.: 32.42531
%SSR(DCB) : *159% (49-139) Conc.: 45.37109

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 49.90 | |
| 3.17 | 3.18 | 3.21 | 4145.457 | 17.699122 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5356.313 | 23.264244 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5050.469 | 18.053426 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17647.82 | 55.64664 | | | 4 |
| 3.79 | 3.79 | 3.83 | 11119.79 | 41.173312 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 3607.821 | 13.3587 | | | 5 |
| 3.98 | 3.99 | 4.02 | 11004.19 | 52.819458 | | | 6 |
| Height Summation: | | | 54324.039 | | | | |
| Amount Avg CF: | | | 34.776034 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 10.10 | |
| 3.07 | 3.08 | 3.11 | 1372.965 | 11.43217 | | | 1 |
| 3.13 | 3.13 | 3.17 | 1415.664 | 14.004592 | | | 2 |
| 3.17 | 3.18 | 3.21 | 4145.457 | 12.859587 | | | 3 |
| Height Summation: | | | 6934.086 | | | | |
| Amount Avg CF: | | | 12.76545 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 62.13 | |
| 3.17 | 3.18 | 3.21 | 4145.457 | 13.239073 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5356.313 | 41.870687 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5050.469 | 32.387793 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17647.82 | 101.683397 | | | 4 |
| 3.79 | 3.79 | 3.83 | 11119.79 | 76.167747 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 3607.821 | 24.712661 | | | 5 |
| 3.99 | 3.99 | 4.02 | 11004.19 | 106.433788 | | | 6 |
| Height Summation: | | | 54324.039 | | | | |
| Amount Avg CF: | | | 61.963748 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 50.49 | |
| 3.17 | 3.18 | 3.21 | 4145.457 | 24.21939 | | | 1 |
| 3.39 | 3.40 | 3.43 | 5356.313 | 33.217789 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5050.469 | 25.19203 | | | 3 |
| 3.73 | 3.74 | 3.77 | 17647.82 | 78.992465 | | | 4 |
| 3.79 | 3.79 | 3.83 | 11119.79 | 57.664183 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 3607.821 | 18.709171 | | | 5 |
| 3.98 | 3.99 | 4.02 | 11004.19 | 74.552079 | | | 6 |
| Height Summation: | | | 54324.039 | | | | |
| Amount Avg CF: | | | 48.972989 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 198.57 | |
| 3.79 | 3.79 | 3.83 | 11119.79 | 72.664673 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 3607.821 | 23.576087 | | | 1 |
| 3.85 | 3.86 | 3.89 | 21365.68 | 82.639312 | | | 2 |
| 3.98 | 3.99 | 4.02 | 11004.19 | 37.305737 | | | 3 |
| 4.25 | 4.28 | 4.29 | 24303.15 | 95.826896 | | | 5 |
| 4.64 | 4.65 | 4.68 | 541995.6 | 2927.872951 | | | 6 |
| Height Summation: | | | 609788.41 | | | | |
| Amount Avg CF: | | | 643.261914 | Linear: | | | |
| **Aroclor-1254** | | | | | 6 | 132.03 | |
| 4.23 | 4.24 | 4.27 | 320856.2 | 1030.524855 | | | 1 |
| 4.58 | 4.60 | 4.62 | 338368.7 | 1132.73225 | | | 2 |
| 4.64 | 4.65 | 4.68 | 541995.6 | 966.279929 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 2379958 | 13076.825598 | | | 4 |
| 4.86 | 4.86 | 4.90 | 256788.4 | 719.823259 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 23611.79 | 66.18802 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1601293 | 5427.968554 | | | 6 |
| Height Summation: | | | 5439259.9 | | | | |
| Amount Avg CF: | | | 3725.692407 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 15:02:33
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0031.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 109% (46-148) Conc.: 31.05498
%SSR(DCB) : 116% (49-139) Conc.: 33.28028

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 138.23 | |
| + 2.87 | 2.89 | 2.91 | 26708.02 | 64.836778 | | | 1 |
| 2.87 | 2.90 | 2.91 | 131589.2 | 319.447855 | | | 1 |
| 3.19 | 3.21 | 3.23 | 9003.387 | 17.658126 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 2408.98 | 4.419573 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17774.91 | 32.610283 | | | 3 |
| 3.46 | 3.48 | 3.50 | 22604.94 | 40.352526 | | | 4 |
| 3.63 | 3.64 | 3.67 | 24465.98 | 51.391046 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9243.786 | 19.416669 | | | 5 |
| Height Summation: | | | 205438.417 | | | | |
| Amount Avg CF: | | | 92.291967 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 104.38 | |
| 2.75 | 2.77 | 2.79 | 15921.15 | 69.261495 | | | 1 |
| 2.81 | 2.83 | 2.85 | 2389.922 | 16.315769 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 26708.02 | 45.261285 | | | 3 |
| 2.87 | 2.90 | 2.91 | 131589.2 | 223.000292 | | | 3 |
| Height Summation: | | | 149900.272 | | | | |
| Amount Avg CF: | | | 102.859185 | Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 74.63 | |
| + 2.87 | 2.89 | 2.91 | 26708.02 | 46.216022 | | | 1 |
| 2.87 | 2.90 | 2.91 | 131589.2 | 227.704239 | | | 1 |
| 3.20 | 3.21 | 3.24 | 9003.387 | 32.624501 | | | 2 |
| 3.39 | 3.41 | 3.43 | 17774.91 | 60.425768 | | | 3 |
| 3.47 | 3.48 | 3.51 | 22604.94 | 78.323263 | | | 4 |
| 3.63 | 3.64 | 3.67 | 24465.98 | 108.327093 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9243.786 | 40.928361 | | | 5 |
| Height Summation: | | | 205438.417 | | | | |
| Amount Avg CF: | | | 101.480973 | Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 136.46 | |
| + 2.87 | 2.89 | 2.91 | 26708.02 | 87.997231 | | | 1 |
| 2.87 | 2.90 | 2.91 | 131589.2 | 433.558355 | | | 1 |
| 3.20 | 3.21 | 3.24 | 9003.387 | 23.966594 | | | 2 |
| + 3.39 | 3.39 | 3.43 | 2408.98 | 6.078765 | | | 3 |
| 3.39 | 3.41 | 3.43 | 17774.91 | 44.852798 | | | 3 |
| 3.47 | 3.48 | 3.51 | 22604.94 | 58.919076 | | | 4 |
| 3.63 | 3.64 | 3.67 | 24465.98 | 70.986904 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9243.786 | 26.820416 | | | 5 |
| Height Summation: | | | 205438.417 | | | | |
| Amount Avg CF: | | | 126.456745 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 120.34 | |
| + 3.50 | 3.51 | 3.54 | 36101.61 | 65.88406 | | | 1 |
| 3.50 | 3.54 | 3.54 | 82875.57 | 151.24475 | | | 1 |
| 3.63 | 3.64 | 3.67 | 24465.98 | 36.928001 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 9243.786 | 13.952212 | | | 2 |
| 3.85 | 3.86 | 3.89 | 700387 | 762.149575 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 22112.29 | 24.062229 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 493717.8 | 1191.401219 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1697562 | 4096.423982 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 304354.5 | 1225.3024 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1414039 | 5692.787128 | | | 6 |
| Height Summation: | | | 3919329.55 | | | | |
| Amount Avg CF: | | | 2147.906687 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577905** ACF DF10 ATW49 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.23 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 15:02:33
Instrument : P 25--18274A
Result file : 25PCBS16207035.0031.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | 6 | 18.72 | |
| 4.76 | 4.77 | 4.80 | 2379958 | 5843.782769 | | | 1 |
| 4.96 | 4.97 | 5.00 | 3364877 | 7635.701396 | | | 2 |
| 5.23 | 5.24 | 5.27 | 2059055 | 7676.029529 | | | 3 |
| E 5.40 | 5.41 | 5.44 | 2675478 | 7971.50462 | | | 4 |
| E 5.64 | 5.65 | 5.68 | 6915820 | 9871.902815 | | | 5 |
| E 5.84 | 5.85 | 5.88 | 3923434 | 9821.081483 | | | 6 |
| Height Summation: | | | 21318622 | | | | |
| Amount Avg CF: | | | 8136.667102 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.94 | |
| E 5.23 | 5.24 | 5.27 | 2059055 | 4287.579852 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2675478 | 6391.571296 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 6915820 | 7245.160375 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3923434 | 7179.109452 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1548718 | 4562.511473 | | | 6 |
| Height Summation: | | | 17122505 | | | | |
| Amount Avg CF: | | | 5933.18649 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.11 | |
| E 5.84 | 5.85 | 5.88 | 3923434 | 3532.640802 | | | 1 |
| 6.03 | 6.04 | 6.07 | 70391.15 | 78.235101 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 95370.2 | 382.395837 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 656515.9 | 2632.362596 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1548718 | 4017.334445 | | | 5 |
| 6.48 | 6.48 | 6.52 | 324187.3 | 122.883034 | | | 6 |
| Height Summation: | | | 6523246.35 | | | | |
| Amount Avg CF: | | | 2076.691196 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 15:02:33
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0031.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.36 | |
| 4.15 | 4.16 | 4.19 | 267289.8 | 356.90004 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 493717.8 | 379.14694 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1697562 | 1303.630205 | | | 2 |
| E 4.30 | 4.31 | 4.34 | 6026424 | 9822.430485 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 304354.5 | 367.680439 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1414039 | 1708.252974 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 8295797 | 16711.833436 | | | 5 |
| 4.58 | 4.60 | 4.62 | 767134.8 | 1326.615904 | | | 6 |
| Height Summation: | | | 18468246.6 | | | | |
| Amount Avg CF: | | | 5204.943841 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.01 | |
| 4.29 | 4.31 | 4.33 | 6026424 | 6067.75894 | | | 1 |
| 4.43 | 4.44 | 4.47 | 8295797 | 7379.195204 | | | 2 |
| 4.53 | 4.54 | 4.57 | 5937542 | 6332.76441 | | | 3 |
| 4.88 | 4.89 | 4.92 | 5988980 | 8014.555167 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 680762.4 | 911.007853 | | | 4 |
| 5.07 | 5.08 | 5.11 | 16835040 | 10163.873994 | | | 5 |
| 5.33 | 5.34 | 5.37 | 9902027 | 8922.069473 | | | 6 |
| Height Summation: | | | 52985810 | | | | |
| Amount Avg CF: | | | 7813.369531 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 34.62 | |
| E 4.69 | 4.70 | 4.73 | 4477360 | 3520.005784 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 5988980 | 4614.40877 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 680762.4 | 524.516026 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 16835040 | 7067.730738 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2535504 | 2581.973712 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 9902027 | 6092.202368 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3968516 | 4544.449755 | | | 6 |
| Height Summation: | | | 43707427 | | | | |
| Amount Avg CF: | | | 4736.795188 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 126.67 | |
| 5.29 | 5.30 | 5.33 | 2535504 | 867.896827 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 9902027 | 3501.497284 | | | 2 |
| 5.49 | 5.49 | 5.53 | 140906.3 | 56.860012 | | | 3 |
| 5.55 | 5.56 | 5.59 | 69731.52 | 117.17834 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 16798.78 | 28.22903 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3968516 | 3958.905875 | | | 5 |
| 5.91 | 5.92 | 5.95 | 683981.3 | 82.976544 | | | 6 |
| Height Summation: | | | 17300666.12 | | | | |
| Amount Avg CF: | | | 1430.885814 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 498.5337 | 96.7742 | | ** 90.53 | 4 | 40 | |
| Aroclor-1221 | | | 498.5337 | 149.5601 | | ** 155.84 | 3 | 5 | |
| Aroclor-1232 | | | 498.5337 | 120.2346 | | ** 48.36 | 4 | 10 | |
| Aroclor-1242 | | | 498.5337 | 120.2346 | | ** 88.34 | 4 | 30 | |
| Aroclor-1248 | | | 498.5337 | 96.7742 | | ** 107.81 | 4 | 40 | |
| Aroclor-1254 | | | 498.5337 | 129.0323 | E | 33.13 | 4 | 40 | |
| Aroclor-1260 | | | 498.5337 | 114.3695 | E | 4.05 | 4 | 40 | |
| Aroclor-1262 | | | 498.5337 | 96.7742 | E | 22.43 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577905** ACF DF10 ATW49 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.23 g Total Volume: 100 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 15:02:33 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0031.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 15:02:33 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0031.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 498.5337 | 96.7742 | E | 36.82 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577905ACF DF10 ACATW49 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:02:33 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: 25pcbs16207035.0031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 1492 | 814 |
| 2.037 | | 14591 | 13521 |
| 2.089 | | 8160 | 10799 |
| 2.13 | | 8282 | 8110 |
| 2.197 | | 98900 | 73342 |
| 2.282 | | 2071 | 1309 |
| 2.309 | | 11957 | 7951 |
| 2.382 | | 11431 | 10064 |
| 2.49 | | 2323 | 3104 |
| 2.568 | | 1523 | 2442 |
| 2.628 | | 11568 | 6674 |
| 2.648 | | 54242 | 33509 |
| 2.708 | | 731 | 1000 |
| 2.734 | | 968 | 603 |
| 2.762 | | 1759 | 2504 |
| 2.799 | | 2453 | 3362 |
| 2.925 | TCX | 448788 | 312488 |
| 3.039 | | 10010 | 6568 |
| 3.082 | | 1373 | 1782 |
| 3.125 | | 1416 | 1725 |
| 3.184 | | 4145 | 5819 |
| 3.233 | | 105673 | 110554 |
| 3.319 | | 2052 | 1591 |
| 3.402 | | 5356 | 3601 |
| 3.484 | | 3399 | 4395 |
| 3.517 | | 5050 | 3664 |
| 3.565 | | 4324 | 3982 |
| 3.595 | | 11140 | 7547 |
| 3.631 | | 1920 | 2331 |
| 3.674 | | 1635 | 866 |
| 3.702 | | 5801 | 6132 |
| 3.74 | | 17648 | 13666 |
| 3.795 | | 11120 | 8935 |
| 3.822 | | 3608 | 2817 |
| 3.864 | | 21366 | 16353 |
| 3.899 | | 45313 | 35816 |
| 3.93 | | 6237 | 6956 |
| 3.966 | | 3438 | 2206 |
| 3.99 | | 11004 | 13674 |
| 4.044 | | 6597 | 4342 |
| 4.07 | | 31878 | 35345 |
| 4.121 | | 3510 | 2601 |
| 4.15 | | 12699 | 13651 |
| 4.203 | | 22087 | 16843 |
| 4.239 | | 320856 | 293626 |
| 4.285 | | 24303 | 18161 |
| 4.351 | | 99074 | 82851 |
| 4.395 | | 457273 | 420229 |
| 4.428 | | 58434 | 46135 |
| 4.468 | | 8158 | 5883 |
| 4.492 | | 18328 | 13916 |
| 4.532 | | 134949 | 144287 |
| 4.602 | | 338369 | 488465 |
| 4.649 | | 541996 | 482258 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.695 | | 940265 | 1061654 |
| 4.733 | | 227325 | 172241 |
| 4.772 | | 2379958 | 2229546 |
| 4.813 | | 24635 | 27621 |
| 4.862 | | 256788 | 311015 |
| 4.893 | | 23612 | 14502 |
| 4.92 | | 504430 | 488119 |
| 4.973 | | 3364877 | 4049617 |
| 5.022 | | 546350 | 482985 |
| 5.066 | | 1601293 | 1742608 |
| 5.108 | | 29709 | 17007 |
| 5.146 | | 325360 | 396521 |
| 5.181 | | 4391189 | 4589394 |
| 5.244 | | 2059055 | 1832613 |
| 5.287 | | 1394047 | 1365020 |
| 5.341 | | 10578 | 8347 |
| 5.408 | | 2675479 | 3552378 |
| 5.466 | | 1256164 | 1162194 |
| 5.507 | | 686133 | 624317 |
| 5.547 | | 135881 | 130855 |
| 5.592 | | 725738 | 693422 |
| 5.62 | | 22539 | 12447 |
| 5.647 | | 6915820 | 7185557 |
| 5.736 | | 16423 | 15564 |
| 5.769 | | 6132 | 3800 |
| 5.79 | | 6919 | 4540 |
| 5.816 | | 2683 | 1445 |
| 5.854 | | 3923434 | 3999131 |
| 5.889 | | 940648 | 1897213 |
| 6.036 | | 70391 | 112441 |
| 6.103 | | 95370 | 74416 |
| 6.127 | | 656516 | 599794 |
| 6.19 | | 3455 | 3765 |
| 6.25 | | 4490 | 3264 |
| 6.283 | | 1548718 | 1632834 |
| 6.329 | | 112805 | 113526 |
| 6.396 | | 4254 | 5551 |
| 6.485 | | 324187 | 353307 |
| 6.632 | DCB | 310249 | 370892 |
| 6.711 | | 8007 | 11143 |
| 6.8 | | 2618 | 3206 |
| 6.845 | | 1031 | 823 |
| 6.904 | | 1746 | 2329 |
| 6.945 | | 7967 | 8663 |
| 6.992 | | 1815 | 2024 |

LANCASTER LABORATORIES

Sample Number: 8577905ACF DF10 ACATW49 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:02:33 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: 25pcbs16207035B.0031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

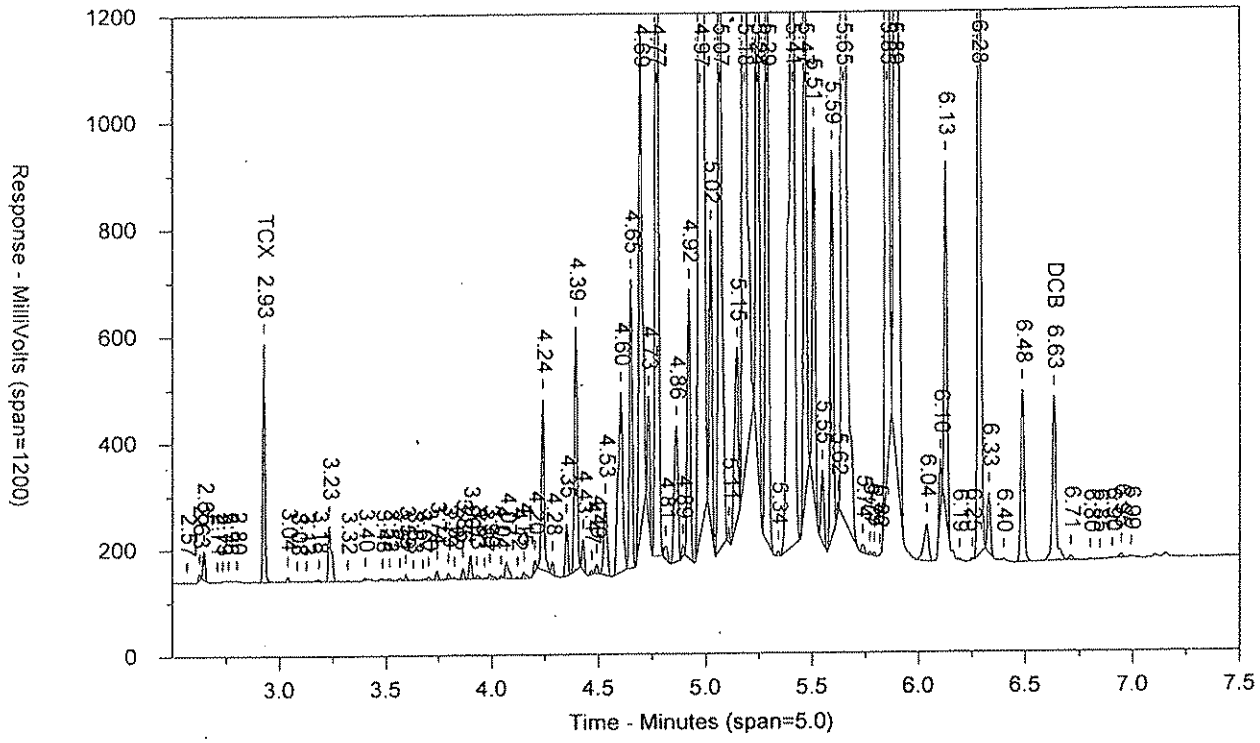
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.099 | | 7782 | 9639 |
| 2.145 | | 14550 | 11391 |
| 2.216 | | 3587 | 3669 |
| 2.266 | | 1726 | 1348 |
| 2.296 | | 6413 | 6513 |
| 2.335 | | 6953 | 3705 |
| 2.349 | | 82081 | 44409 |
| 2.43 | | 529 | 926 |
| 2.477 | | 4647 | 3836 |
| 2.517 | | 2167 | 2148 |
| 2.551 | | 2126 | 1268 |
| 2.578 | | 2035 | 1833 |
| 2.599 | TCX | 780292 | 457847 |
| 2.696 | | 3731 | 6905 |
| 2.749 | | 1555 | 2156 |
| 2.769 | | 15921 | 8718 |
| 2.796 | | 1635 | 1283 |
| 2.83 | | 2390 | 2332 |
| 2.861 | | 1582 | 1155 |
| 2.895 | | 26708 | 10606 |
| 2.905 | | 131589 | 62504 |
| 2.996 | | 1761 | 2074 |
| 3.016 | | 3524 | 1889 |
| 3.041 | | 1967 | 2070 |
| 3.09 | | 9099 | 5427 |
| 3.163 | | 4236 | 2917 |
| 3.187 | | 2423 | 1344 |
| 3.214 | | 9003 | 10172 |
| 3.248 | | 22577 | 15571 |
| 3.29 | | 4200 | 3534 |
| 3.338 | | 3151 | 1885 |
| 3.37 | | 7474 | 6665 |
| 3.39 | | 2409 | 1033 |
| 3.412 | | 17775 | 16428 |
| 3.458 | | 5636 | 2834 |
| 3.479 | | 22605 | 14706 |
| 3.513 | | 36102 | 20174 |
| 3.537 | | 82876 | 50809 |
| 3.571 | | 15474 | 12322 |
| 3.612 | | 2192 | 1081 |
| 3.642 | | 24466 | 18299 |
| 3.663 | | 9244 | 4818 |
| 3.685 | | 14865 | 10338 |
| 3.713 | | 58665 | 43420 |
| 3.765 | | 15531 | 14538 |
| 3.816 | | 43454 | 44463 |
| 3.844 | | 6017 | 2958 |
| 3.86 | | 700387 | 442199 |
| 3.886 | | 22112 | 11786 |
| 3.905 | | 21380 | 10588 |
| 3.925 | | 204086 | 132251 |
| 3.96 | | 1024708 | 657253 |
| 3.991 | | 136394 | 152429 |
| 4.069 | | 21234 | 21544 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.092 | | 159694 | 186182 |
| 4.131 | | 80723 | 58017 |
| 4.158 | | 267290 | 176825 |
| 4.2 | | 507200 | 313359 |
| 4.219 | | 493718 | 226076 |
| 4.231 | | 1697562 | 925439 |
| 4.257 | | 926982 | 882546 |
| 4.308 | | 6026425 | 4229773 |
| 4.355 | | 101462 | 107564 |
| 4.377 | | 304355 | 189931 |
| 4.401 | | 1414039 | 1028751 |
| 4.443 | | 8295797 | 6103786 |
| 4.497 | | 20623 | 13885 |
| 4.545 | | 5937543 | 5465817 |
| 4.597 | | 767135 | 613888 |
| 4.635 | | 1769785 | 1495388 |
| 4.67 | | 9638020 | 7460413 |
| 4.703 | | 4477360 | 3076996 |
| 4.74 | | 3224227 | 2400899 |
| 4.781 | | 4537 | 1807 |
| 4.798 | | 16983 | 9528 |
| 4.838 | | 963843 | 968427 |
| 4.889 | | 5988980 | 4439679 |
| 4.912 | | 680762 | 428564 |
| 4.962 | | 3146384 | 2686259 |
| 4.997 | | 1578445 | 1223944 |
| 5.026 | | 1177272 | 930849 |
| 5.059 | | 271414 | 156148 |
| 5.081 | | 16835040 | 13188030 |
| 5.122 | | 290173 | 208349 |
| 5.153 | | 396740 | 323462 |
| 5.199 | | 10464 | 7721 |
| 5.219 | | 20290 | 12058 |
| 5.272 | | 116793 | 71352 |
| 5.295 | | 2535504 | 2004342 |
| 5.338 | | 9902027 | 10348550 |
| 5.494 | | 140906 | 116382 |
| 5.539 | | 273442 | 217589 |
| 5.563 | | 69732 | 43179 |
| 5.584 | | 16799 | 8106 |
| 5.611 | | 1644267 | 1304515 |
| 5.654 | | 12323 | 10978 |
| 5.691 | | 7484 | 4848 |
| 5.718 | | 3968516 | 3084137 |
| 5.748 | | 205490 | 148970 |
| 5.83 | | 7002 | 6614 |
| 5.857 | | 3545 | 3919 |
| 5.917 | | 683981 | 572943 |
| 6.004 | | 3521 | 3371 |
| 6.04 | | 1515 | 1523 |
| 6.076 | DCB | 647678 | 551411 |
| 6.111 | | 8574 | 6120 |
| 6.14 | | 3926 | 3216 |
| 6.176 | | 2735 | 2154 |
| 6.205 | | 4365 | 3861 |
| 6.249 | | 9978 | 7384 |
| 6.275 | | 36635 | 31579 |
| 6.313 | | 2582 | 1863 |
| 6.342 | | 13746 | 12065 |
| 6.441 | | 5443 | 6039 |
| 6.496 | | 10956 | 8754 |
| 6.555 | | 15509 | 14724 |
| 6.703 | | 1748 | 1199 |
| 6.809 | | 1472 | 1771 |
| 6.854 | | 1887 | 2142 |
| 6.885 | | 2037 | 1674 |

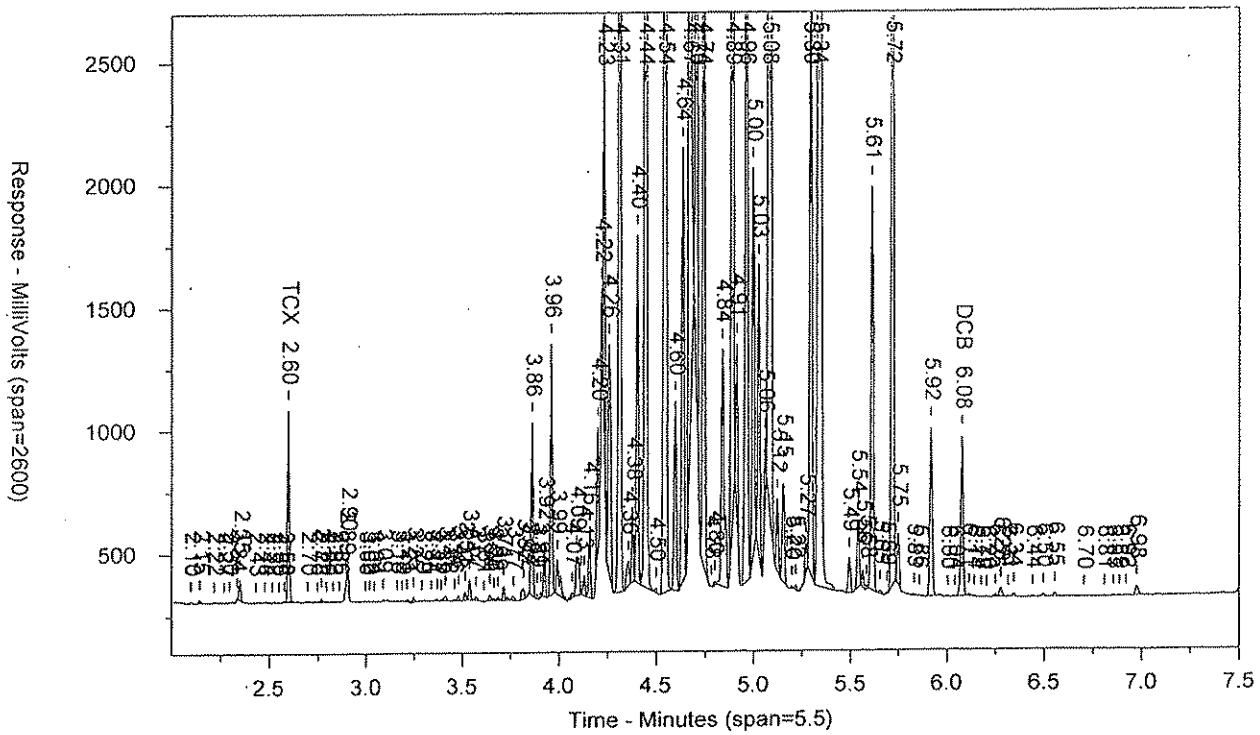
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.922 | | 2572 | 3212 |
| 6.976 | | 38348 | 38181 |

8577905ACF DF10 ACATW49 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0031.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0031.RAW



LANCASTER LABORATORIES

Sample Number: 8577905ACF DF10 ACATW49 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:02:33 PM
Sample Weight: 10.23
Dilution Factor: 100
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

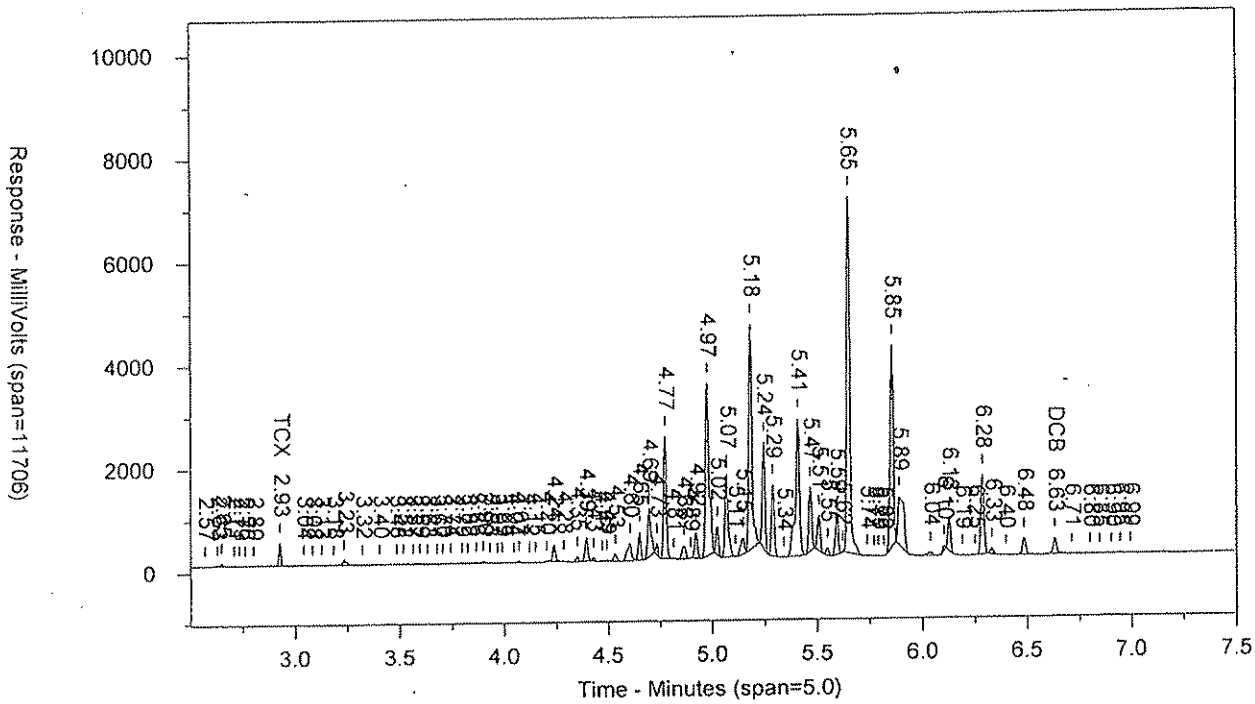
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 448788 | 32.425 | TCX | 2.599 | 780292 | 31.055 | TCX |
| 6.632 | 310249 | 45.371 | DCB | 6.076 | 647678 | 33.28 | DCB |

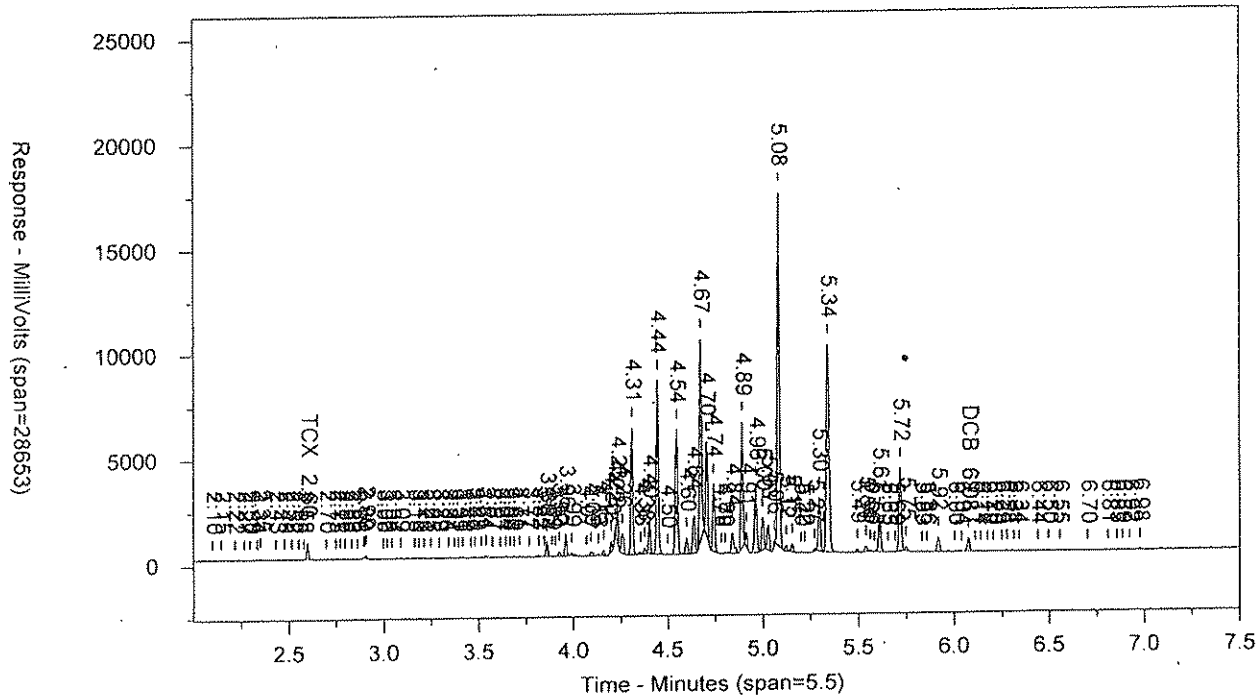
Files:
Area File: 25pcbs16207035.0031.RAW
Area File: 25pcbs16207035B.0031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 3:11:06 PM
File Reported On: 9/15/2016 at 3:11:15 PM

8577905ACF DF10 ACATW49 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0031.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0031.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577906** ACF DF20 ATW50 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 15:13:53 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0032.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 120% ( 46 - 148 ) Conc: 33.7169
%SSR(DCB) 185% ( 49 - 139 ) Conc: 52.02471

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 15:13:53 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0032.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 113% ( 46 - 148 ) Conc: 31.81948
%SSR(DCB) 125% ( 49 - 139 ) Conc: 35.3401

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **19.86** | |
| 4.76 | 4.77 | 4.80 | 1679726 | 8129.643305 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2363884 | 10573.388254 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1428070 | 10493.647253 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2011387 | 11812.527503 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5087888 | 14315.384208 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2777544 | 13704.468163 | | | 6 |

Height summation: **15348499**
Concentration CF: **11504.843114** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.49** | |
| 4.29 | 4.31 | 4.33 | 4078256 | 8093.77998 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6032906 | 10577.565351 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4195089 | 8819.340127 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4374021 | 11537.605879 | | | 4 |
| 5.07 | 5.08 | 5.11 | 11808610 | 14052.454088 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7005114 | 12441.277516 | | | 6 |

Height summation: **37493996**
Concentration CF: **10920.337157** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☑ PCB-1016 | | | <982.6589 | <190.7514 | | | 4 | |
| ☑ PCB-1221 | | | <982.6589 | <294.7977 | | | 3 | |
| ☑ PCB-1232 | | | <982.6589 | <236.9942 | | | 4 | |
| ☑ PCB-1242 | | | <982.6589 | <236.9942 | | | 4 | |
| ☑ PCB-1248 | | | <982.6589 | <190.7514 | | | 4 | |
| ☑ PCB-1254 | | | <982.6589 | <254.3353 | | | 4 | |
| ☑ PCB-1260 | A | 11504.843114 | 982.6589 | 225.4335 | | 5.21 | 4 | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.92 | 2.96 | 236754 | 33.7169 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 405612 | 31.81948 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 180481 | 52.02471 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 348925 | 35.3401 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☑ Tetrachloro-m-xylene | A | 33.7169 | | | | 5.79 | |
| ☑ Decachlorobiphenyl | A | 52.02471 | | | | 38.20 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 16 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 16 2016

9/16/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577906** ACF DF20 ATW50 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 15:13:53
Instrument : P 25--18274A
Result file : 25PCBS16207035.0032.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 120% (46-148) Conc.: 33.7169
%SSR(DCB) : *185% (49-139) Conc.: 52.02471

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 40.35 | |
| 3.17 | 3.18 | 3.21 | 4506.568 | 37.925693 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4754.675 | 40.705408 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5363.255 | 37.788934 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15274.77 | 94.935979 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8758.923 | 63.926099 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2924.165 | 21.341718 | | | 5 |
| 3.98 | 3.99 | 4.02 | 7774.7 | 73.557638 | | | 6 |
| Height Summation: | | | 46432.891 | | | | |
| Amount Avg CF: | | | 58.139959 | Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 14.70 | |
| 3.07 | 3.08 | 3.11 | 1362.671 | 22.36498 | | | 1 |
| 3.17 | 3.18 | 3.21 | 4506.568 | 27.555532 | | | 3 |
| Height Summation: | | | 5869.239 | | | | |
| Amount Avg CF: | | | 24.960256 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 53.80 | |
| 3.17 | 3.18 | 3.21 | 4506.568 | 28.368695 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4754.675 | 73.26107 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5363.255 | 67.793236 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15274.77 | 173.477014 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8758.923 | 118.258811 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2924.165 | 39.480685 | | | 5 |
| 3.99 | 3.99 | 4.02 | 7774.7 | 148.222234 | | | 6 |
| Height Summation: | | | 46432.891 | | | | |
| Amount Avg CF: | | | 101.56351 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 41.09 | |
| 3.17 | 3.18 | 3.21 | 4506.568 | 51.897327 | | | 1 |
| 3.39 | 3.40 | 3.43 | 4754.675 | 58.121109 | | | 2 |
| 3.51 | 3.52 | 3.55 | 5363.255 | 52.731263 | | | 3 |
| 3.73 | 3.74 | 3.77 | 15274.77 | 134.765137 | | | 4 |
| 3.79 | 3.79 | 3.83 | 8758.923 | 89.529991 | | | 5 |
| + 3.79 | 3.82 | 3.83 | 2924.165 | 29.889573 | | | 5 |
| 3.98 | 3.99 | 4.02 | 7774.7 | 103.823005 | | | 6 |
| Height Summation: | | | 46432.891 | | | | |
| Amount Avg CF: | | | 81.811305 | Linear: | | | |
| **Aroclor-1248** | | | | | 5 | 196.48 | |
| 3.79 | 3.79 | 3.83 | 8758.923 | 112.819904 | | | 1 |
| + 3.79 | 3.82 | 3.83 | 2924.165 | 37.664906 | | | 1 |
| 3.85 | 3.86 | 3.89 | 13578.68 | 103.522751 | | | 2 |
| 3.98 | 3.99 | 4.02 | 7774.7 | 51.95286 | | | 3 |
| + 4.25 | 4.26 | 4.29 | 13794.42 | 107.210316 | | | 5 |
| 4.25 | 4.28 | 4.29 | 26836.66 | 208.574684 | | | 5 |
| 4.64 | 4.65 | 4.68 | 415311.9 | 4422.207509 | | | 6 |
| Height Summation: | | | 472260.863 | | | | |
| Amount Avg CF: | | | 979.815542 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 15:13:53
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0032.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 113% (46-148) Conc.: 31.81948
%SSR(DCB) : 125% (49-139) Conc.: 35.3401

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 144.27 | |
| + 2.87 | 2.89 | 2.91 | 20465.37 | 97.928163 | | | 1 |
| 2.87 | 2.90 | 2.91 | 116756.6 | 558.688131 | | | 1 |
| 3.19 | 3.21 | 3.23 | 8405.968 | 32.496358 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16520.35 | 59.741301 | | | 3 |
| 3.46 | 3.48 | 3.50 | 18543.05 | 65.246439 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21688.21 | 89.795967 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9527.416 | 39.446479 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9659.755 | 46.551811 | | | 6 |
| Height Summation: | | | 191573.933 | | | | |
| Amount Avg CF: | | | 142.086668 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 115.47 | |
| + 2.75 | 2.75 | 2.79 | 1037.477 | 8.896193 | | | 1 |
| 2.75 | 2.77 | 2.79 | 10940.8 | 93.81554 | | | 1 |
| 2.81 | 2.83 | 2.85 | 1671.703 | 22.49527 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 20465.37 | 68.361733 | | | 3 |
| 2.87 | 2.90 | 2.91 | 116756.6 | 390.009244 | | | 3 |
| Height Summation: | | | 129369.103 | | | | |
| Amount Avg CF: | | | 168.773351 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 75.62 | |
| + 2.87 | 2.89 | 2.91 | 20465.37 | 69.803749 | | | 1 |
| 2.87 | 2.90 | 2.91 | 116756.6 | 398.236062 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8405.968 | 60.039071 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16520.35 | 110.698641 | | | 3 |
| 3.47 | 3.48 | 3.51 | 18543.05 | 126.641737 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21688.21 | 189.280754 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9527.416 | 83.149162 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9659.755 | 91.793102 | | | 6 |
| Height Summation: | | | 191573.933 | | | | |
| Amount Avg CF: | | | 162.781561 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 142.65 | |
| + 2.87 | 2.89 | 2.91 | 20465.37 | 132.909245 | | | 1 |
| 2.87 | 2.90 | 2.91 | 116756.6 | 758.258048 | | | 1 |
| 3.20 | 3.21 | 3.24 | 8405.968 | 44.105872 | | | 2 |
| 3.39 | 3.41 | 3.43 | 16520.35 | 82.169311 | | | 3 |
| 3.47 | 3.48 | 3.51 | 18543.05 | 95.266895 | | | 4 |
| 3.63 | 3.64 | 3.67 | 21688.21 | 124.035958 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 9527.416 | 54.487769 | | | 5 |
| 3.72 | 3.73 | 3.76 | 9659.755 | 63.407674 | | | 6 |
| Height Summation: | | | 191573.933 | | | | |
| Amount Avg CF: | | | 194.540626 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 140.39 | |
| + 3.50 | 3.51 | 3.54 | 22994.62 | 82.715766 | | | 1 |
| 3.50 | 3.54 | 3.54 | 63059.75 | 226.837212 | | | 1 |
| 3.63 | 3.64 | 3.67 | 21688.21 | 64.524577 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 9527.416 | 28.345008 | | | 2 |
| 3.72 | 3.73 | 3.76 | 9659.755 | 39.379286 | | | 3 |
| 3.85 | 3.86 | 3.89 | 421767.9 | 904.656971 | | | 4 |
| + 3.85 | 3.88 | 3.89 | 30694.31 | 65.836735 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 385809 | 1835.100635 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1156669 | 5501.696477 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 336005.8 | 2666.358902 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1028637 | 8162.702613 | | | 6 |
| Height Summation: | | | 2701481.615 | | | | |
| Amount Avg CF: | | | 2483.299523 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577906** ACF DF20 ATW50 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 15:13:53
Instrument : P 25--18274A
Result file : 25PCBS16207035.0032.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 130.95 | |
| 4.23 | 4.24 | 4.27 | 188440.1 | 1192.970315 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 13794.42 | 87.329255 | | | 1 |
| 4.58 | 4.60 | 4.62 | 232930.2 | 1536.990411 | | | 2 |
| 4.64 | 4.65 | 4.68 | 415311.9 | 1459.45211 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1679726 | 18191.971174 | | | 4 |
| 4.86 | 4.86 | 4.90 | 226245.5 | 1250.082571 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 16545.67 | 91.420398 | | | 5 |
| 5.06 | 5.06 | 5.10 | 1156987 | 7730.423253 | | | 6 |
| Height Summation: | | | 3899640.7 | | | | |
| Amount Avg CF: | | | 5226.981639 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 19.86 | |
| 4.76 | 4.77 | 4.80 | 1679726 | 8129.643305 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2363884 | 10573.388254 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1428070 | 10493.647253 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2011387 | 11812.527503 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5087888 | 14315.384208 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2777544 | 13704.468163 | | | 6 |
| Height Summation: | | | 15348499 | | | | |
| Amount Avg CF: | | | 11504.843114 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 24.13 | |
| E 5.23 | 5.24 | 5.27 | 1428070 | 5861.409257 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2011387 | 9471.312545 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5087888 | 10506.308294 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 2777544 | 10017.825135 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1178131 | 6841:218841 | | | 6 |
| Height Summation: | | | 12483020 | | | | |
| Amount Avg CF: | | | 8539.614814 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.22 | |
| E 5.84 | 5.85 | 5.88 | 2777544 | 4929.494119 | | | 1 |
| 6.03 | 6.04 | 6.07 | 52766.6 | 115.598173 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 71740.16 | 566.98436 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 494046.7 | 3904.601719 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1178131 | 6023.757805 | | | 5 |
| 6.48 | 6.48 | 6.52 | 247789.8 | 185.134615 | | | 6 |
| Height Summation: | | | 4750278.1 | | | | |
| Amount Avg CF: | | | 3031.717286 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 15:13:53
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0032.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.41 | |
| 4.15 | 4.16 | 4.19 | 213573.5 | 562.10811 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 385809 | 583.995365 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1156669 | 1750.838717 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4078256 | 13102.134085 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 336005.8 | 800.102906 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1028637 | 2449.408471 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6032906 | 23955.256015 | | | 5 |
| 4.58 | 4.59 | 4.62 | 644497.9 | 2196.864635 | | | 6 |
| Height Summation: | | | 13154539.4 | | | | |
| Amount Avg CF: | | | 7336.101672 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.49 | |
| 4.29 | 4.31 | 4.33 | 4078256 | 8093.77998 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6032906 | 10577.565351 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4195089 | 8819.340127 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4374021 | 11537.605879 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 578878.2 | 1526.940205 | | | 4 |
| 5.07 | 5.08 | 5.11 | 11808610 | 14052.454088 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7005114 | 12441.277516 | | | 6 |
| Height Summation: | | | 37493996 | | | | |
| Amount Avg CF: | | | 10920.337157 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.49 | |
| E 4.69 | 4.70 | 4.73 | 3222575 | 4993.817554 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4374021 | 6642.817805 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 578878.2 | 879.141278 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 11808610 | 9771.762397 | | | 3 |
| 5.28 | 5.29 | 5.32 | 1914991 | 3843.815461 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 7005114 | 8495.201766 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2884463 | 6510.681027 | | | 6 |
| Height Summation: | | | 31209774 | | | | |
| Amount Avg CF: | | | 6709.682668 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 125.82 | |
| 5.29 | 5.29 | 5.33 | 1914991 | 1292.048493 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 7005114 | 4882.622755 | | | 2 |
| 5.49 | 5.49 | 5.53 | 107903.1 | 85.825973 | | | 3 |
| 5.55 | 5.56 | 5.59 | 49215.71 | 163.016003 | | | 4 |
| + 5.55 | 5.58 | 5.59 | 11723.55 | 38.83163 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2884463 | 5671.791913 | | | 5 |
| 5.91 | 5.92 | 5.95 | 525614 | 125.68583 | | | 6 |
| Height Summation: | | | 12487300.81 | | | | |
| Amount Avg CF: | | | 2036.831828 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 982.6589 | 190.7514 | | ** 83.85 | 4 | 40 | |
| Aroclor-1221 | | | 982.6589 | 294.7977 | | ** 148.46 | 3 | 5 | |
| Aroclor-1232 | | | 982.6589 | 236.9942 | | ** 46.32 | 4 | 10 | |
| Aroclor-1242 | | | 982.6589 | 236.9942 | | ** 81.58 | 4 | 30 | |
| Aroclor-1248 | | | 982.6589 | 190.7514 | | ** 86.83 | 4 | 40 | |
| Aroclor-1254 | | | 982.6589 | 254.3353 | E | 33.58 | 4 | 40 | |
| Aroclor-1260 | | | 982.6589 | 225.4335 | | 5.21 | 4 | 40 | |
| Aroclor-1262 | | | 982.6589 | 190.7514 | E | 24.00 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577906** ACF DF20 ATW50 Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.38 g Total Volume: 200 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 15:13:53 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0032.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 15:13:53 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0032.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 982.6589 | 190.7514 | E | 39.26 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577906ACF DF20 ACATW50 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:13:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.004 | | 2080 | 931 |
| 2.036 | | 9088 | 8614 |
| 2.088 | | 8071 | 9786 |
| 2.129 | | 3701 | 4682 |
| 2.196 | | 67029 | 50115 |
| 2.281 | | 1220 | 851 |
| 2.308 | | 8460 | 6617 |
| 2.381 | | 12810 | 10380 |
| 2.407 | | 4748 | 3371 |
| 2.489 | | 2535 | 3294 |
| 2.568 | | 1413 | 2341 |
| 2.627 | | 8001 | 4565 |
| 2.647 | | 42941 | 26331 |
| 2.706 | | 1087 | 1519 |
| 2.76 | | 1905 | 3507 |
| 2.81 | | 4326 | 4487 |
| 2.883 | | 1008 | 1188 |
| 2.924 | TCX | 236754 | 166068 |
| 3.038 | | 7191 | 4620 |
| 3.081 | | 1363 | 1856 |
| 3.176 | | 4507 | 6186 |
| 3.232 | | 84455 | 89992 |
| 3.319 | | 1722 | 1402 |
| 3.401 | | 4755 | 3104 |
| 3.472 | | 2986 | 3466 |
| 3.516 | | 5363 | 3990 |
| 3.564 | | 3637 | 3741 |
| 3.593 | | 8048 | 5414 |
| 3.631 | | 1866 | 2167 |
| 3.7 | | 7115 | 10566 |
| 3.739 | | 15275 | 12321 |
| 3.793 | | 8759 | 6965 |
| 3.822 | | 2924 | 2943 |
| 3.863 | | 13579 | 10497 |
| 3.898 | | 33320 | 28012 |
| 3.928 | | 4193 | 4829 |
| 3.966 | | 2797 | 1895 |
| 3.988 | | 7775 | 5072 |
| 4.043 | | 5908 | 3997 |
| 4.068 | | 24852 | 28277 |
| 4.119 | | 3606 | 2858 |
| 4.149 | | 10546 | 11109 |
| 4.201 | | 19584 | 15075 |
| 4.238 | | 188440 | 151638 |
| 4.258 | | 13794 | 6621 |
| 4.283 | | 26837 | 19911 |
| 4.349 | | 66395 | 55361 |
| 4.393 | | 310166 | 282330 |
| 4.427 | | 57619 | 45525 |
| 4.466 | | 6883 | 4794 |
| 4.49 | | 15823 | 12095 |
| 4.53 | | 110316 | 116525 |
| 4.601 | | 232930 | 370286 |
| 4.648 | | 415312 | 376733 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.692 | | 639510 | 738509 |
| 4.73 | | 163413 | 126143 |
| 4.77 | | 1679726 | 1553866 |
| 4.813 | | 19074 | 24372 |
| 4.861 | | 226246 | 274132 |
| 4.892 | | 16546 | 9460 |
| 4.917 | | 366321 | 356615 |
| 4.971 | | 2363884 | 2839375 |
| 5.021 | | 378975 | 352980 |
| 5.063 | | 1156987 | 1269901 |
| 5.106 | | 30103 | 18999 |
| 5.143 | | 248276 | 300152 |
| 5.179 | | 3032438 | 3255600 |
| 5.242 | | 1428071 | 1306699 |
| 5.285 | | 988952 | 982310 |
| 5.338 | | 6463 | 5519 |
| 5.406 | | 2011387 | 2605788 |
| 5.465 | | 902995 | 840376 |
| 5.505 | | 508612 | 448956 |
| 5.545 | | 99071 | 96965 |
| 5.591 | | 535894 | 517974 |
| 5.619 | | 21237 | 12104 |
| 5.646 | | 5087889 | 5117820 |
| 5.735 | | 9555 | 9310 |
| 5.768 | | 5611 | 3591 |
| 5.789 | | 6455 | 4123 |
| 5.814 | | 2837 | 1661 |
| 5.853 | | 2777544 | 2863893 |
| 5.891 | | 710577 | 1381304 |
| 6.037 | | 52767 | 84749 |
| 6.102 | | 71740 | 54211 |
| 6.126 | | 494047 | 452710 |
| 6.19 | | 2845 | 2692 |
| 6.251 | | 4105 | 3489 |
| 6.284 | | 1178131 | 1218524 |
| 6.329 | | 87444 | 84507 |
| 6.396 | | 2239 | 2806 |
| 6.485 | | 247790 | 274647 |
| 6.575 | | 1005 | 692 |
| 6.631 | DCB | 180481 | 215485 |
| 6.711 | | 6219 | 7831 |
| 6.797 | | 2041 | 2360 |
| 6.848 | | 900 | 933 |
| 6.909 | | 1458 | 1600 |
| 6.945 | | 5030 | 5249 |

LANCASTER LABORATORIES

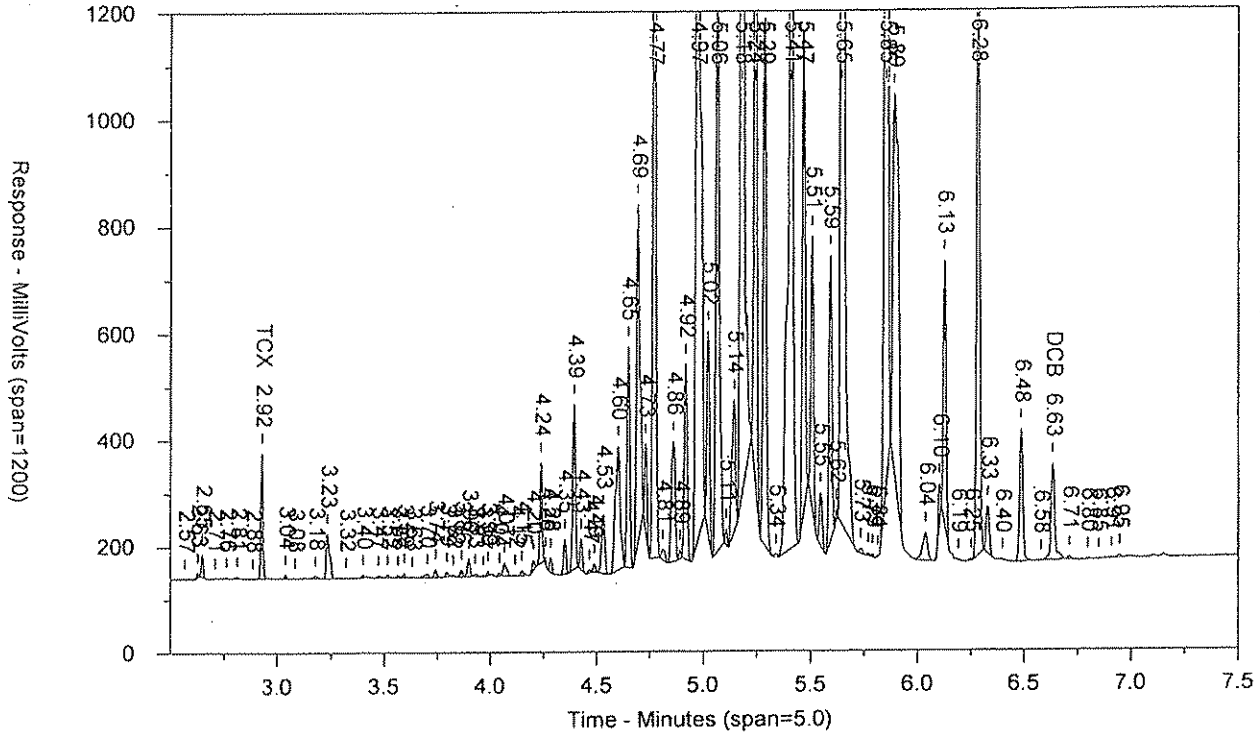
Sample Number: 8577906ACF DF20 ACATW50 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:13:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.102 | | 5220 | 7753 |
| 2.145 | | 16281 | 12642 |
| 2.218 | | 3701 | 4875 |
| 2.297 | | 5206 | 5409 |
| 2.349 | | 71590 | 62836 |
| 2.45 | | 1586 | 1840 |
| 2.478 | | 3707 | 3343 |
| 2.518 | | 2317 | 2582 |
| 2.549 | | 2018 | 1660 |
| 2.599 | TCX | 405612 | 243200 |
| 2.699 | | 3799 | 7121 |
| 2.755 | | 1037 | 2268 |
| 2.77 | | 10941 | 5716 |
| 2.795 | | 1270 | 784 |
| 2.828 | | 1672 | 1719 |
| 2.894 | | 20465 | 8885 |
| 2.905 | | 116757 | 53508 |
| 2.994 | | 1747 | 1618 |
| 3.016 | | 2981 | 1929 |
| 3.091 | | 8999 | 12304 |
| 3.162 | | 3461 | 2720 |
| 3.213 | | 8406 | 9341 |
| 3.248 | | 17867 | 13799 |
| 3.289 | | 4099 | 5724 |
| 3.336 | | 2711 | 1454 |
| 3.369 | | 9159 | 8731 |
| 3.411 | | 16520 | 19403 |
| 3.458 | | 3565 | 1692 |
| 3.478 | | 18543 | 12007 |
| 3.513 | | 22995 | 12877 |
| 3.536 | | 63060 | 39768 |
| 3.571 | | 11249 | 9850 |
| 3.641 | | 21688 | 16255 |
| 3.662 | | 9527 | 5018 |
| 3.683 | | 12836 | 8444 |
| 3.713 | | 41684 | 23426 |
| 3.729 | | 9660 | 5280 |
| 3.764 | | 11976 | 11340 |
| 3.815 | | 32096 | 33447 |
| 3.842 | | 7065 | 4549 |
| 3.859 | | 421768 | 274701 |
| 3.885 | | 30694 | 16670 |
| 3.904 | | 19283 | 9730 |
| 3.923 | | 145763 | 92373 |
| 3.958 | | 637229 | 417770 |
| 3.99 | | 119369 | 68999 |
| 4.006 | | 41867 | 20741 |
| 4.067 | | 19489 | 19604 |
| 4.1 | | 130586 | 151455 |
| 4.13 | | 62095 | 44311 |
| 4.157 | | 213574 | 140626 |
| 4.199 | | 335883 | 217960 |
| 4.217 | | 385809 | 184325 |
| 4.23 | | 1156669 | 637192 |

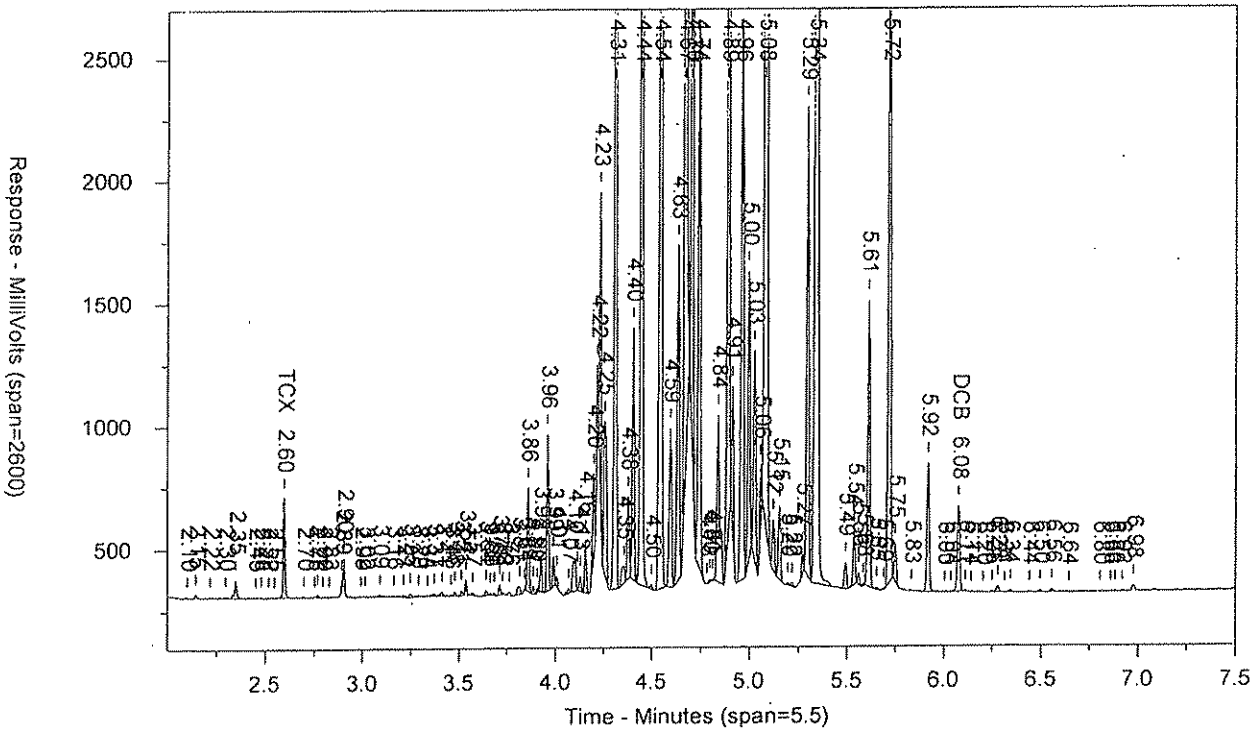
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.255 | | 623094 | 610635 |
| 4.307 | | 4078256 | 2987837 |
| 4.354 | | 72417 | 86445 |
| 4.376 | | 336006 | 215068 |
| 4.4 | | 1028637 | 731006 |
| 4.442 | | 6032907 | 4305068 |
| 4.497 | | 19509 | 13291 |
| 4.543 | | 4195089 | 3865399 |
| 4.595 | | 644498 | 558815 |
| 4.634 | | 1368097 | 1110652 |
| 4.67 | | 6740381 | 5357713 |
| 4.702 | | 3222575 | 2233692 |
| 4.739 | | 2188028 | 1703998 |
| 4.781 | | 3494 | 1468 |
| 4.797 | | 12068 | 6863 |
| 4.811 | | 5729 | 2391 |
| 4.838 | | 680433 | 687727 |
| 4.888 | | 4374021 | 3224969 |
| 4.912 | | 578878 | 365250 |
| 4.962 | | 2289909 | 1967505 |
| 4.997 | | 1180533 | 893370 |
| 5.026 | | 847914 | 680672 |
| 5.058 | | 228795 | 129371 |
| 5.081 | | 11808610 | 9480510 |
| 5.122 | | 208252 | 152420 |
| 5.153 | | 294841 | 241420 |
| 5.195 | | 8607 | 6647 |
| 5.218 | | 13057 | 8371 |
| 5.271 | | 89812 | 55332 |
| 5.295 | | 1914991 | 1515046 |
| 5.338 | | 7005114 | 7506612 |
| 5.494 | | 107903 | 89350 |
| 5.538 | | 212267 | 159166 |
| 5.562 | | 49216 | 30927 |
| 5.585 | | 11724 | 6472 |
| 5.611 | | 1167106 | 971145 |
| 5.654 | | 9033 | 7511 |
| 5.69 | | 6160 | 3437 |
| 5.718 | | 2884463 | 2292134 |
| 5.749 | | 152917 | 107708 |
| 5.831 | | 4561 | 4441 |
| 5.917 | | 525614 | 448962 |
| 6.004 | | 2497 | 2334 |
| 6.036 | | 1881 | 1356 |
| 6.076 | DCB | 348925 | 305700 |
| 6.112 | | 6497 | 5232 |
| 6.142 | | 2539 | 1947 |
| 6.204 | | 3614 | 3218 |
| 6.249 | | 6982 | 4969 |
| 6.277 | | 25037 | 20662 |
| 6.314 | | 1746 | 1391 |
| 6.344 | | 8811 | 8041 |
| 6.441 | | 3532 | 2576 |
| 6.496 | | 7366 | 6856 |
| 6.556 | | 11192 | 11913 |
| 6.642 | | 902 | 889 |
| 6.805 | | 1077 | 1461 |
| 6.86 | | 1652 | 1912 |
| 6.883 | | 2610 | 2387 |
| 6.92 | | 2292 | 2584 |
| 6.977 | | 22096 | 21689 |

8577906ACF DF20 ACATW50 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0032.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0032.RAW



LANCASTER LABORATORIES

Sample Number: 8577906ACF DF20 ACATW50 T 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 3:13:53 PM
Sample Weight: 10.38
Instrument ID: CP25-18274
Dilution Factor: 200
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: 4
Calibration Type: external
Quantitation: Height

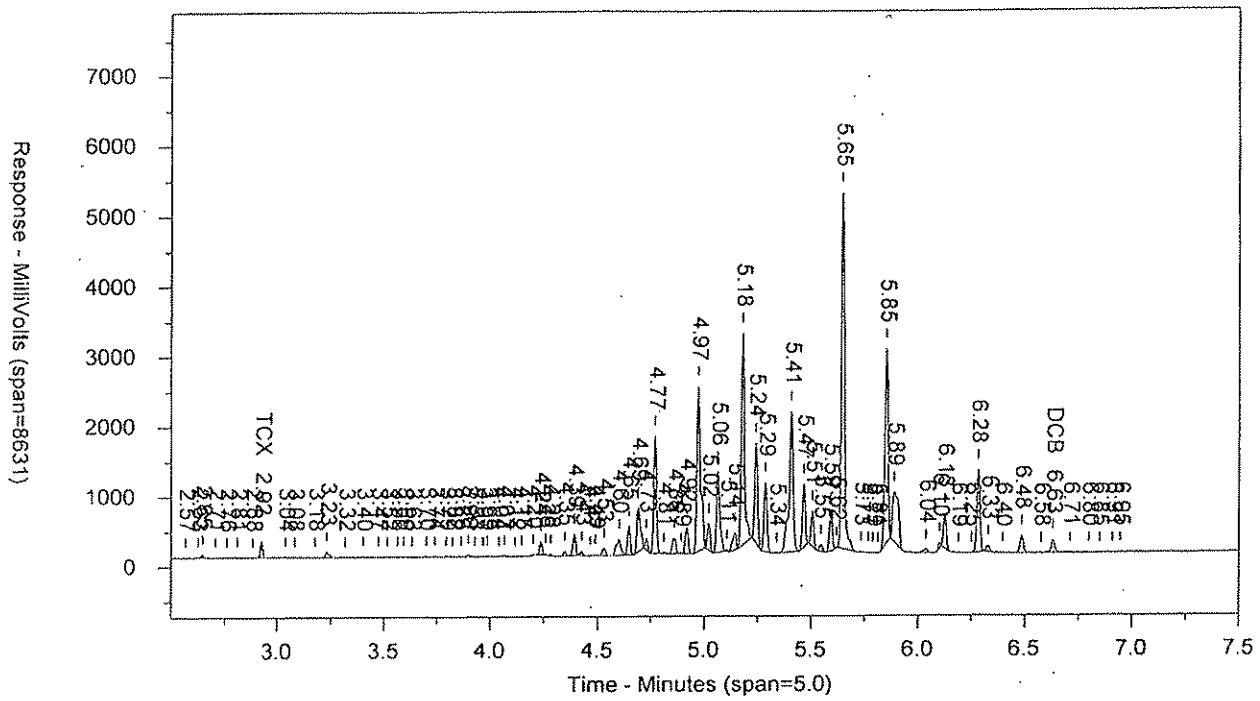
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.924 | 236754 | 33.717 | TCX | 2.599 | 405612 | 31.819 | TCX |
| 6.631 | 180481 | 52.025 | DCB | 6.076 | 348925 | 35.34 | DCB |

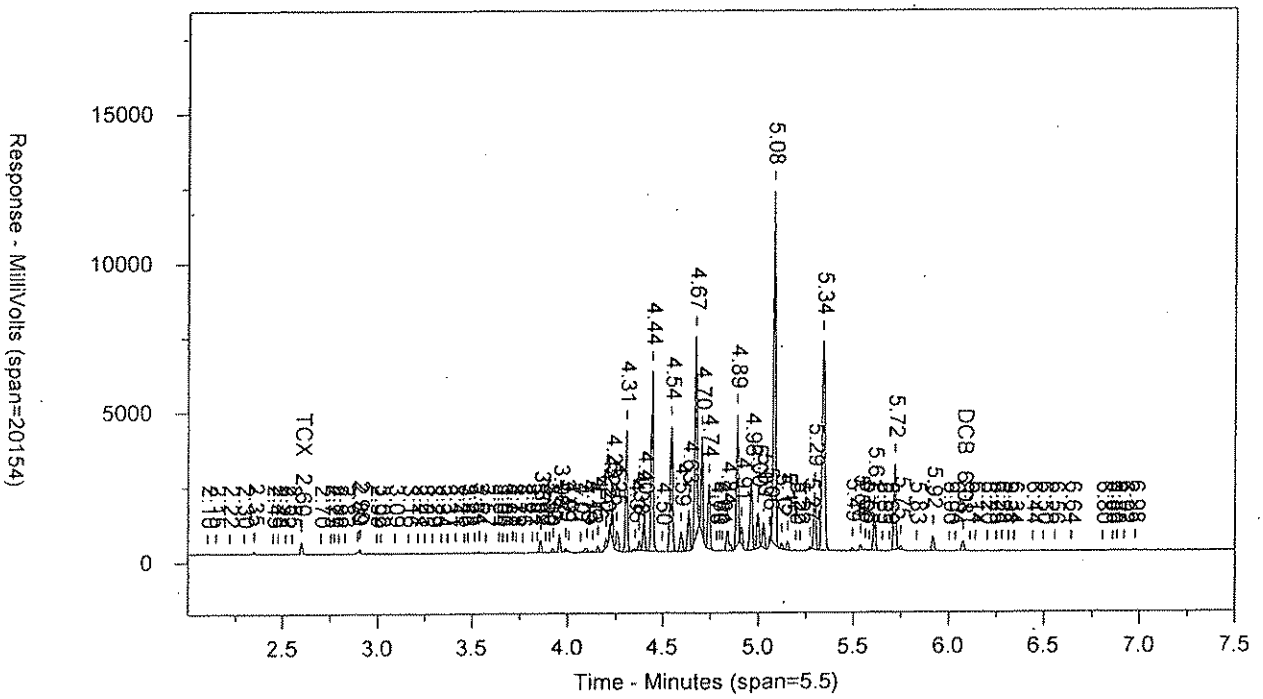
Files:
Area File: 25pcbs16207035.0032.RAW
Area File: 25pcbs16207035B.0032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 3:22:23 PM
File Reported On: 9/15/2016 at 3:22:31 PM

8577906ACF DF20 ACATW50 T 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0032.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0032.RAW



# Standards Data

# Polychlorinated Biphenyls (PCBs)

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207001.seq

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

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

Number of Entries: 31

| | Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CONDITIONER | 1 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | |
| 2 | CONDITIONER | 2 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | |
| 3 | CONDITIONER | 3 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | |
| 4 | CONDITIONER | 4 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | |
| 5 | BLKX1624A | 5 | PIBLK | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1620699999 | 10736 |
| 6 | EVALX1624A | 6 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 7 | AR1611624B | 7 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 1 | 1620699999 | 10736 |
| 8 | AR1621624B | 8 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 2 | 1620699999 | 10736 |
| 9 | AR1631624B | 9 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 3 | 1620699999 | 10736 |
| 10 | AR1641624B | 10 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 4 | 1620699999 | 10736 |
| 11 | AR1651624B | 11 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 5 | 1620699999 | 10736 |
| 12 | AR4811624A | 12 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 13 | AR4821624A | 13 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 14 | AR4831624A | 14 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 15 | AR4841624A | 15 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 16 | AR4851624A | 16 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 17 | AR5411624A | 17 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 18 | AR5421624B | 18 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 19 | AR5431624A | 19 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 20 | AR5441624A | 20 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 21 | AR5451624A | 21 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 22 | AR6231624A | 22 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 23 | AR6831624B | 23 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 24 | AR2131624A | 24 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 25 | AR3231624A | 25 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 26 | AR4231624A | 26 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 27 | AR16XX1624B | 27 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 28 | MD16X1624B | 28 | ICAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 29 | IC16X1624B | 29 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 30 | IC48X1624A | 30 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |
| 31 | IC54X1624A | 31 | CCAL | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1620699999 | 10736 |

LAH 2306 7/25/16

Set-up by: 2855 Date: 25 July 16

7/25/2016

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207035.seq

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

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

Number of Entries: 64

| 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 | 1625899999 | |
| 2 CONDITIONER | 2 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | |
| 3 CONDITIONER | 3 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | |
| 4 CONDITIONER | 4 | MISC | AA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | |
| 5 AR1631624B | 5 | CCAL | CN | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | 10736 |
| 6 BLKX1624B | 6 | PIBLK | LY | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1625899999 | 10736 |
| 7 BLANKA 9/13/16 ACF | 7 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10 | 10 | 1 | 0 | 162570008A | 10225 |
| 8 LCSA 9/13/16 ACF | 8 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10 | 10 | 1 | 0 | 162570008A | 10225 |
| 9 8577888ACF DF5 | 9 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.25 | 50 | 1 | 0 | 162570008A | 10225 |
| 10 8577888MSACF DF5 | 10 | MS | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.49 | 50 | 1 | 0 | 162570008A | 10225 |
| 11 8577888MSDACF DF5 | 11 | MSD | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.12 | 50 | 1 | 0 | 162570008A | 10225 |
| 12 8577889ACF | 12 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.34 | 10 | 1 | 0 | 162570008A | 10225 |
| 13 8577890ACF DF5 | 13 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.34 | 50 | 1 | 0 | 162570008A | 10225 |
| 14 8577891ACF | 14 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.26 | 10 | 1 | 0 | 162570008A | 10225 |
| 15 8577892ACF DF20 | 15 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.28 | 200 | 1 | 0 | 162570008A | 10225 |
| 16 8577892ACF DF50 | 16 | T | AD | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.28 | 500 | 1 | 0 | 162570008A | 10225 |
| 17 8577893ACF DF50 | 17 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.13 | 500 | 1 | 0 | 162570008A | 10225 |
| 18 8577894ACF DF5 | 18 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.2 | 50 | 1 | 0 | 162570008A | 10225 |
| 19 8577895ACF DF50 | 19 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.37 | 500 | 1 | 0 | 162570008A | 10225 |
| 20 8577896ACF DF10 | 20 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.44 | 100 | 1 | 0 | 162570008A | 10225 |
| 21 8577897ACF DF20 | 21 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.45 | 200 | 1 | 0 | 162570008A | 10225 |
| 22 8577898ACF DF50 | 22 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.19 | 500 | 1 | 0 | 162570008A | 10225 |
| 23 8577899ACF DF50 | 23 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.26 | 500 | 1 | 0 | 162570008A | 10225 |
| 24 8577900ACF DF50 | 24 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.05 | 500 | 1 | 0 | 162570008A | 10225 |
| 25 8577901ACF DF20 | 25 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.13 | 200 | 1 | 0 | 162570008A | 10225 |
| 26 8577902ACF DF50 | 26 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.1 | 500 | 1 | 0 | 162570008A | 10225 |
| 27 AR1631624B | 27 | CCAL | CO | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | 10736 |
| 28 BLKX1624B | 28 | PIBLK | LZ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1625899999 | 10736 |
| 29 8577903ACF DF20 | 29 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.06 | 200 | 1 | 0 | 162570008A | 10225 |
| 30 8577904ACF DF5 | 30 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.11 | 50 | 1 | 0 | 162570008A | 10225 |
| 31 8577905ACF DF10 | 31 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.23 | 100 | 1 | 0 | 162570008A | 10225 |
| 32 8577906ACF DF20 | 32 | T | AC | EPT-24\ACTIVE\CP25\25PCBS.MET | 10.38 | 200 | 1 | 0 | 162570008A | 10225 |
| 33 BLANKA 9/13/16 AF | 33 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 162570013A | 06030 |
| 34 LCSA 9/13/16 AF | 34 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 162570013A | 06030 |
| 35 LCSDA 9/13/16 AF | 35 | LCSD | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 162570013A | 06030 |
| 36 8574780AF | 36 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 988 | 10 | 1 | 0 | 162570013A | 06030 |
| 37 8574782AF | 37 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 989 | 10 | 1 | 0 | 162570013A | 06030 |
| 38 8574784AF | 38 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 884 | 10 | 1 | 0 | 162570013A | 06030 |
| 39 8575302AF | 39 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 943 | 10 | 1 | 0 | 162570013A | 06030 |
| 40 8575436AF | 40 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 951 | 10 | 1 | 0 | 162570013A | 06030 |
| 41 8577929AF | 41 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 1034 | 10 | 1 | 0 | 162570013A | 06030 |
| 42 8578368AF | 42 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 970 | 10 | 1 | 0 | 162570013A | 06030 |
| 43 AR1631624B | 43 | CCAL | CP | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | 10736 |
| 44 BLKX1624B | 44 | PIBLK | MA | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1625899999 | 10736 |
| 45 BLANKA 9/13/16 ACF | 45 | BLK | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 162540031A | 10736 |
| 46 LCSA 9/13/16 ACF | 46 | LCS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30 | 10 | 1 | 0 | 162540031A | 10736 |
| 47 8564883ACF | 47 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.31 | 10 | 1 | 0 | 162540031A | 10736 |
| 48 8564884ACF | 48 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.29 | 10 | 1 | 0 | 162540031A | 10736 |
| 49 8566686ACF | 49 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.35 | 10 | 1 | 0 | 162540031A | 10736 |
| 50 8566687ACF | 50 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.03 | 10 | 1 | 0 | 162540031A | 10736 |

# Eurofins Lancaster Laboratories

## CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs16207035.seq

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

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

Number of Entries: 64

| Samplename | VP | Code | ID | Method | Samp Amt | DF | Int Std | C | Batch Number | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 8566688ACF | 51 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.5 | 10 | 1 | 0 | 162540031A | 10736 |
| 52 8566689ACF | 52 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.28 | 10 | 1 | 0 | 162540031A | 10736 |
| 53 8566690ACF | 53 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.34 | 10 | 1 | 0 | 162540031A | 10736 |
| 54 8566693ACF | 54 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 10 | 1 | 0 | 162540031A | 10736 |
| 55 AR1631624B | 55 | CCAL | CQ | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | 10736 |
| 56 IBLKX1624B | 56 | PIBLK | MB | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1625899999 | 10736 |
| 57 8566694ACF | 57 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.27 | 10 | 1 | 0 | 162540031A | 10736 |
| 58 8566694MSACF | 58 | MS | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.32 | 10 | 1 | 0 | 162540031A | 10736 |
| 59 8566694MSDACF | 59 | MSD | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.33 | 10 | 1 | 0 | 162540031A | 10736 |
| 60 8566695ACF | 60 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.44 | 10 | 1 | 0 | 162540031A | 10736 |
| 61 8566696ACF | 61 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.47 | 10 | 1 | 0 | 162540031A | 10736 |
| 62 8566697ACF | 62 | T | AB | EPT-24\ACTIVE\CP25\25PCBS.MET | 30.2 | 10 | 1 | 0 | 162540031A | 10736 |
| 63 AR1631624B | 63 | CCAL | CR | EPT-24\ACTIVE\CP25\25PCBS.MET | 1 | 1 | 1 | 0 | 1625899999 | 10736 |
| 64 IBLKX1624B | 64 | PIBLK | MC | EPT-24\ACTIVE\CP25\25PCBS.MET | 1000 | 10 | 1 | 0 | 1625899999 | 10736 |

2855 15Sept16

Set-up by: 9065 Date: 9/16/16

9/15/2016

LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 1136 | 2570 |
| 2.091 | | 11545 | 17299 |
| 2.146 | | 1363 | 2530 |
| 2.223 | | 14912 | 11598 |
| 2.315 | | 39714 | 26339 |
| 2.334 | | 4004 | 2122 |
| 2.378 | | 1763 | 1733 |
| 2.418 | | 6329 | 7525 |
| 2.459 | | 2304 | 2528 |
| 2.492 | | 1472 | 1332 |
| 2.576 | | 2358 | 2913 |
| 2.68 | | 806 | 1398 |
| 2.726 | | 1199 | 645 |
| 2.78 | | 12709 | 12851 |
| 2.821 | | 2744 | 2154 |
| 2.932 | TCX | 2723713 | 1834704 |
| 3.067 | | 1363 | 1162 |
| 3.101 | | 754 | 670 |
| 3.135 | | 39417 | 26390 |
| 3.186 | | 3472 | 4604 |
| 3.267 | | 7488 | 5458 |
| 3.377 | | 1049 | 850 |
| 3.427 | | 1426 | 2493 |
| 3.498 | | 638 | 670 |
| 3.529 | | 2710 | 2319 |
| 3.586 | | 4287 | 6170 |
| 3.645 | | 1381 | 1321 |
| 3.685 | | 6238 | 4395 |
| 3.716 | | 1414 | 1400 |
| 3.756 | | 901 | 490 |
| 3.85 | | 2510 | 3217 |
| 3.914 | | 1641 | 2895 |
| 4 | | 896 | 802 |
| 4.079 | | 1073 | 2056 |
| 4.141 | | 831 | 1050 |
| 4.179 | | 2097 | 2493 |
| 4.216 | | 18545 | 21563 |
| 4.283 | | 2676 | 3398 |
| 4.323 | | 4009 | 4340 |
| 4.504 | | 2449 | 4369 |
| 4.602 | | 2000 | 2957 |
| 4.752 | | 1184 | 1191 |
| 4.857 | | 1770 | 3037 |
| 4.908 | | 4762 | 4427 |
| 4.984 | | 1554 | 1805 |
| 5.067 | | 2540 | 4376 |
| 5.15 | | 10007 | 11989 |
| 5.217 | | 2341 | 5075 |
| 5.296 | | 1809 | 2454 |
| 5.375 | | 1051 | 1598 |
| 5.447 | | 1324 | 1583 |
| 5.524 | | 1789 | 1986 |
| 5.561 | | 4733 | 4353 |
| 5.681 | | 23590 | 24389 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 5.808 | | 777 | 839 |
| 5.878 | | 1008 | 1511 |
| 5.958 | | 823 | 1695 |
| 6.054 | | 22771 | 24385 |
| 6.12 | | 31407 | 38094 |
| 6.203 | | 795 | 1430 |
| 6.312 | | 899 | 1500 |
| 6.43 | | 845 | 1070 |
| 6.502 | | 16656 | 20133 |
| 6.65 | DCB | 1303460 | 1506710 |
| 6.96 | | 1220 | 1931 |

LANCASTER LABORATORIES

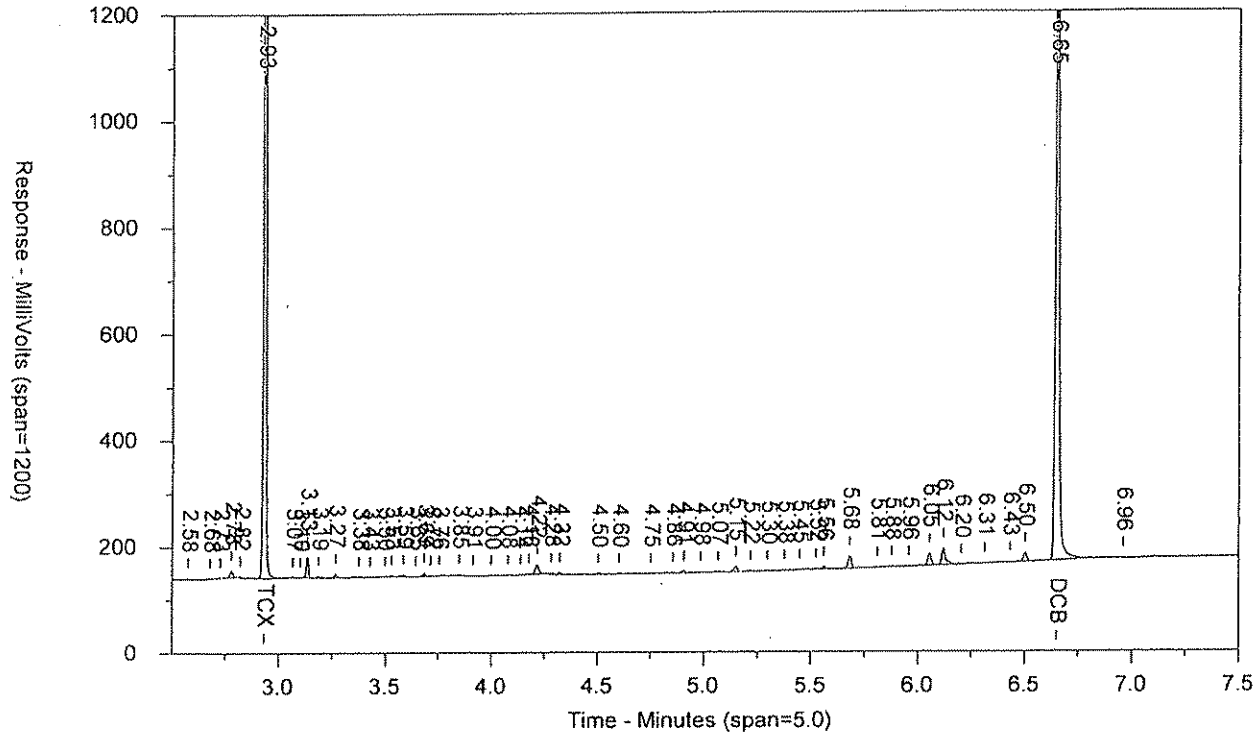
Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 10883 | 19729 |
| 2.105 | | 6162 | 12505 |
| 2.15 | | 3840 | 3066 |
| 2.184 | | 2546 | 2461 |
| 2.222 | | 2173 | 4132 |
| 2.31 | | 931 | 696 |
| 2.346 | | 2024 | 2536 |
| 2.401 | | 3401 | 3996 |
| 2.488 | | 1807 | 1540 |
| 2.536 | | 29230 | 21926 |
| 2.602 | TCX | 4968272 | 2906367 |
| 2.682 | | 1719 | 2965 |
| 2.758 | | 2713 | 3348 |
| 2.819 | | 61354 | 36194 |
| 2.935 | | 11070 | 7201 |
| 2.978 | | 1876 | 1839 |
| 3.039 | | 1573 | 1089 |
| 3.094 | | 2477 | 2225 |
| 3.128 | | 2681 | 2015 |
| 3.174 | | 2205 | 1679 |
| 3.209 | | 1273 | 1403 |
| 3.28 | | 5908 | 4421 |
| 3.319 | | 12107 | 7162 |
| 3.373 | | 3221 | 3483 |
| 3.402 | | 4453 | 3438 |
| 3.443 | | 1259 | 1142 |
| 3.55 | | 3858 | 6719 |
| 3.613 | | 3069 | 5503 |
| 3.666 | | 3890 | 6866 |
| 3.713 | | 7651 | 10696 |
| 3.769 | | 1995 | 1999 |
| 3.822 | | 1844 | 1234 |
| 3.883 | | 2926 | 2411 |
| 3.931 | | 31264 | 36630 |
| 4.003 | | 2309 | 1829 |
| 4.064 | | 6279 | 6144 |
| 4.164 | | 5043 | 5073 |
| 4.199 | | 3426 | 4053 |
| 4.324 | | 2032 | 2809 |
| 4.428 | | 5192 | 5402 |
| 4.462 | | 986 | 718 |
| 4.48 | | 1785 | 1164 |
| 4.608 | | 1363 | 800 |
| 4.633 | | 1101 | 718 |
| 4.653 | | 11360 | 7759 |
| 4.731 | | 721 | 1485 |
| 4.764 | | 2445 | 4306 |
| 4.847 | | 3179 | 5163 |
| 4.941 | | 3379 | 3441 |
| 4.966 | | 1878 | 1764 |
| 5.041 | | 9115 | 10152 |
| 5.076 | | 1516 | 1803 |
| 5.126 | | 4652 | 4711 |
| 5.165 | | 36863 | 30104 |

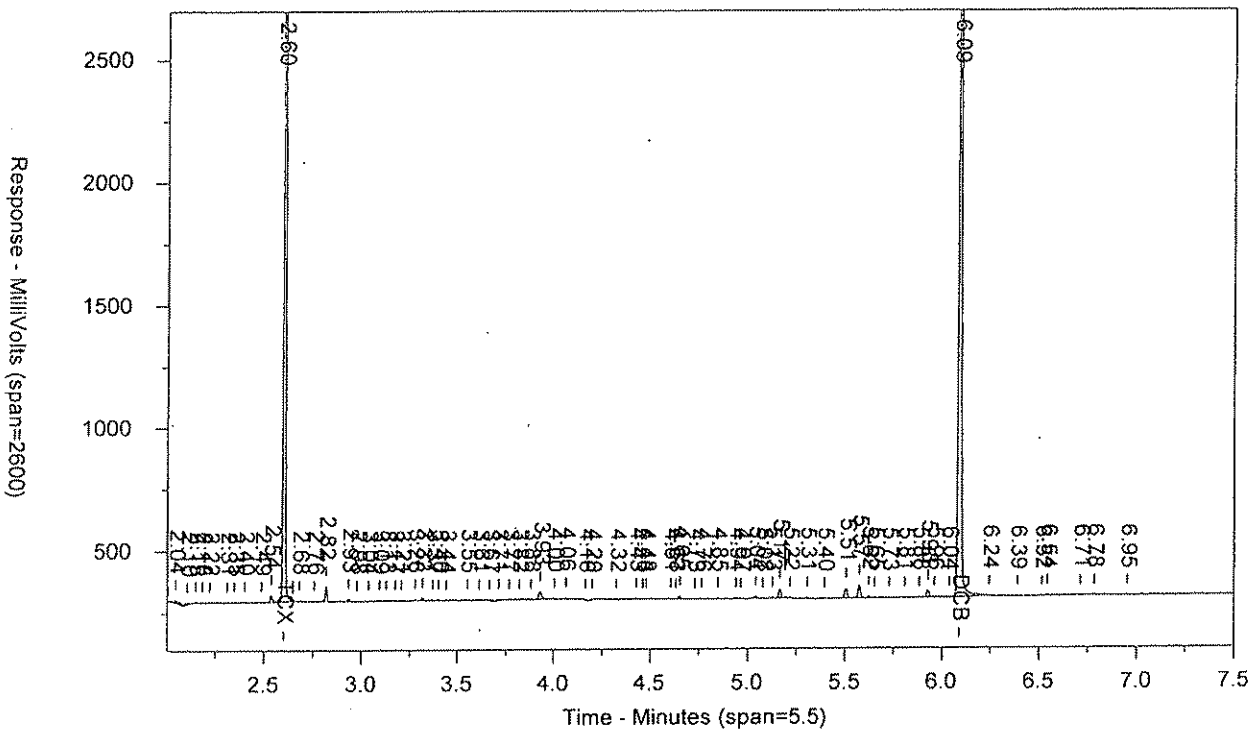
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 5.217 | | 2440 | 2212 |
| 5.307 | | 5221 | 10117 |
| 5.395 | | 4620 | 10003 |
| 5.506 | | 38720 | 35831 |
| 5.573 | | 53266 | 45164 |
| 5.623 | | 7399 | 5657 |
| 5.653 | | 2655 | 2676 |
| 5.728 | | 2197 | 2736 |
| 5.81 | | 2253 | 2702 |
| 5.885 | | 2516 | 2720 |
| 5.927 | | 29137 | 25437 |
| 5.96 | | 2686 | 1881 |
| 6.035 | | 2103 | 2588 |
| 6.088 | DCB | 3691882 | 3287701 |
| 6.244 | | 1233 | 2215 |
| 6.387 | | 1602 | 1743 |
| 6.515 | | 799 | 1271 |
| 6.544 | | 4024 | 7271 |
| 6.713 | | 1124 | 890 |
| 6.783 | | 1884 | 2023 |
| 6.952 | | 1012 | 997 |

IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0005.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0005.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:36:18 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: 4
Calibration Type: external
Quantitation: Height

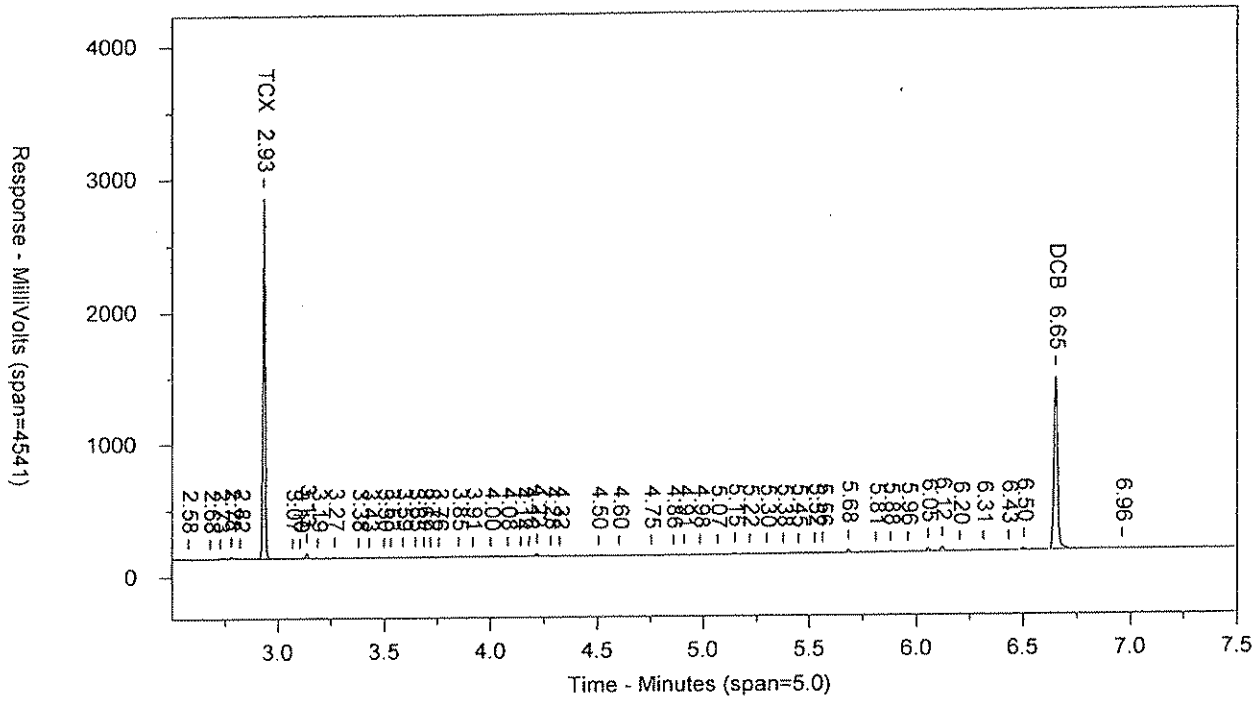
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 2723713 | .201 | TCX | 2.602 | 4968272 | .202 | TCX |
| 6.65 | 1303460 | .195 | DCB | 6.088 | 3691882 | .194 | DCB |

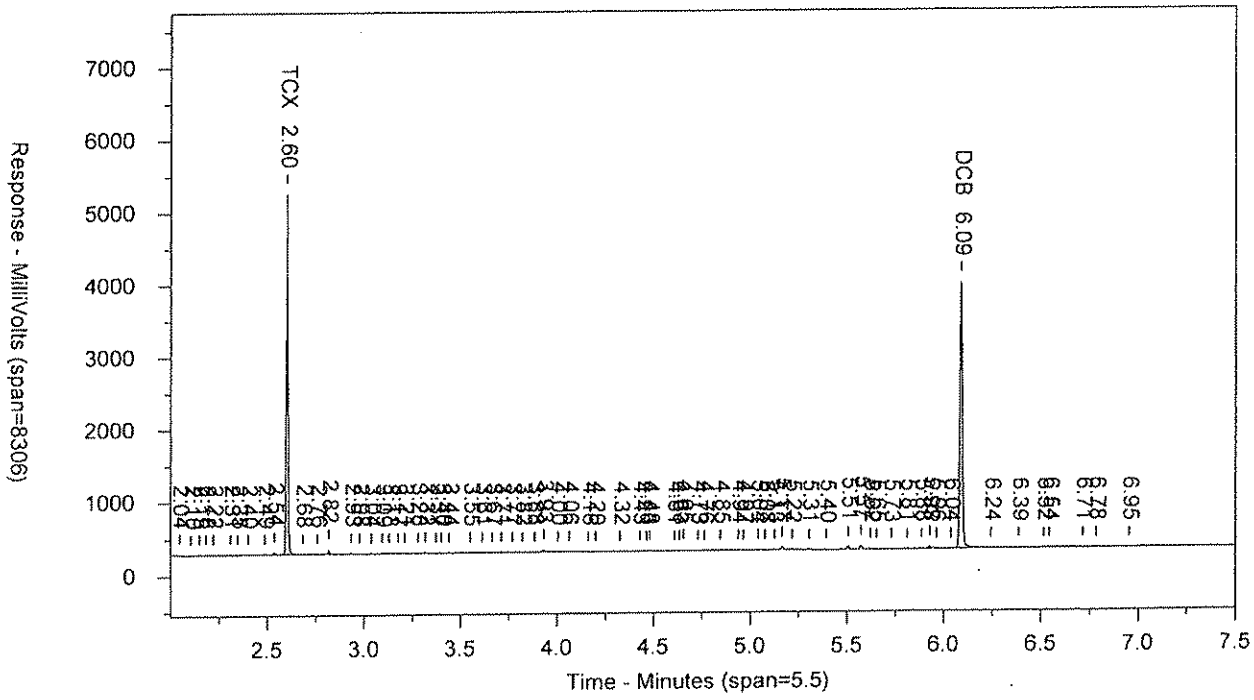
Files:
Area File: 25pcbs16207001.0005.RAW
Area File: 25pcbs16207001B.0005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 5:44:48 PM
File Reported On: 7/25/2016 at 9:46:58 PM

IBLKX1624A AAPIBLKAA PIBLK1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0005.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0005.RAW



LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.092 | | 5985 | 6848 |
| 2.127 | | 7979 | 4415 |
| 2.147 | | 3531 | 4823 |
| 2.222 | | 14017 | 10103 |
| 2.315 | | 12641 | 7924 |
| 2.344 | | 48090 | 31990 |
| 2.381 | | 1337 | 1485 |
| 2.418 | | 4104 | 3894 |
| 2.452 | | 1184 | 858 |
| 2.516 | | 85457 | 54804 |
| 2.56 | | 1924 | 1076 |
| 2.592 | | 1569 | 2021 |
| 2.678 | | 939 | 882 |
| 2.726 | | 795 | 499 |
| 2.78 | | 6198 | 8450 |
| 2.82 | | 4685 | 5201 |
| 2.858 | | 1311 | 1434 |
| 2.932 | TCX | 2618638 | 1803683 |
| 3.065 | | 1111 | 934 |
| 3.105 | | 1861 | 1379 |
| 3.134 | | 39821 | 26303 |
| 3.188 | | 2392 | 2487 |
| 3.223 | | 1858572 | 1194440 |
| 3.267 | | 7165 | 4649 |
| 3.29 | | 1329 | 1332 |
| 3.328 | | 2984 | 3019 |
| 3.394 | | 1070 | 587 |
| 3.426 | | 1217655 | 812633 |
| 3.457 | | 12168 | 7874 |
| 3.552 | | 556541 | 377270 |
| 3.587 | | 4577 | 3279 |
| 3.647 | | 2942 | 3179 |
| 3.685 | | 6061 | 6267 |
| 3.724 | | 62964 | 45650 |
| 3.748 | | 16896 | 12828 |
| 3.799 | | 3983 | 3020 |
| 3.834 | | 145801 | 110402 |
| 3.865 | | 15548 | 11740 |
| 3.897 | | 12186 | 8872 |
| 3.948 | | 1811 | 1452 |
| 3.998 | | 11656 | 8603 |
| 4.023 | | 3078 | 2059 |
| 4.083 | | 53295 | 41008 |
| 4.114 | | 10251 | 8236 |
| 4.159 | | 18556 | 16510 |
| 4.194 | | 85794 | 67856 |
| 4.217 | | 4326 | 2031 |
| 4.233 | | 11644 | 5980 |
| 4.25 | | 62753 | 44235 |
| 4.294 | | 3281 | 2760 |
| 4.329 | | 7356 | 6139 |
| 4.384 | | 8657 | 5989 |
| 4.411 | | 401609 | 366831 |
| 4.48 | | 2648 | 1793 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.507 | | 6020 | 5025 |
| 4.533 | | 13663 | 13817 |
| 4.577 | | 148793 | 125383 |
| 4.603 | | 53711 | 41404 |
| 4.677 | | 7575 | 8065 |
| 4.735 | | 247945 | 270575 |
| 4.837 | | 271045 | 261102 |
| 4.876 | | 1645293 | 1491269 |
| 4.906 | | 71328 | 47075 |
| 4.926 | | 56094 | 39022 |
| 4.957 | | 5939 | 3416 |
| 4.982 | | 624883 | 598834 |
| 5.065 | | 58152 | 98301 |
| 5.142 | | 429005 | 440767 |
| 5.217 | | 740433 | 772298 |
| 5.302 | | 25193 | 32470 |
| 5.376 | | 871 | 737 |
| 5.442 | | 258744 | 310074 |
| 5.496 | | 7141 | 4893 |
| 5.521 | | 51302 | 41861 |
| 5.548 | | 12687 | 9240 |
| 5.582 | | 684990 | 720643 |
| 5.641 | | 45085 | 35087 |
| 5.676 | | 851691 | 886353 |
| 5.874 | | 1310 | 1077 |
| 5.959 | | 1451 | 1731 |
| 6.052 | | 22582 | 23685 |
| 6.118 | | 29551 | 35324 |
| 6.256 | | 952 | 1029 |
| 6.361 | | 964 | 1965 |
| 6.501 | | 17044 | 19284 |
| 6.649 | DCB | 1367299 | 1537228 |
| 6.948 | | 1147 | 1648 |

LANCASTER LABORATORIES

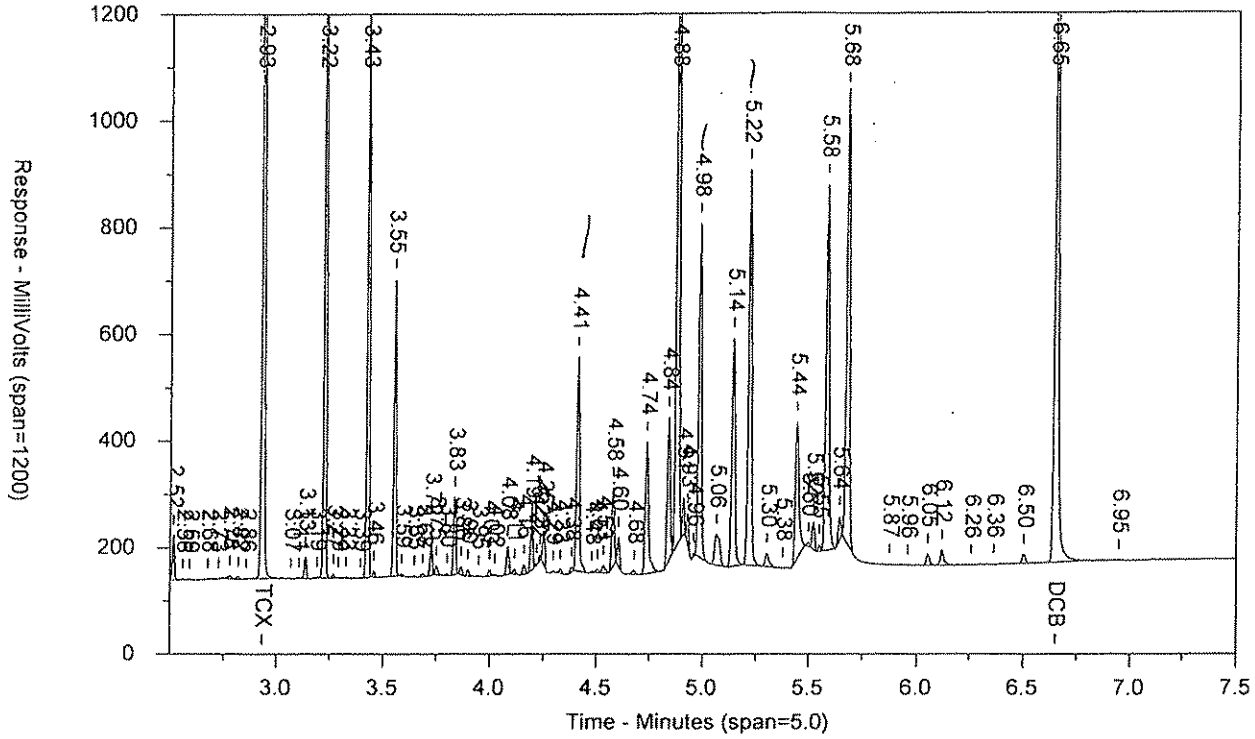
Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 6917 | 4781 |
| 2.143 | | 76746 | 44809 |
| 2.186 | | 2203 | 3110 |
| 2.225 | | 1765 | 2305 |
| 2.286 | | 1176 | 522 |
| 2.309 | | 135707 | 75856 |
| 2.402 | | 5653 | 14356 |
| 2.459 | | 1173 | 1271 |
| 2.485 | | 4344 | 3553 |
| 2.52 | | 3763 | 4954 |
| 2.536 | | 8753 | 5970 |
| 2.601 | TCX | 4876962 | 2851651 |
| 2.692 | | 1493 | 1123 |
| 2.765 | | 2802 | 3242 |
| 2.818 | | 60863 | 35517 |
| 2.876 | | 4708 | 3296 |
| 2.909 | | 2260 | 1445 |
| 2.947 | | 3565987 | 1910346 |
| 3.041 | | 1767 | 1189 |
| 3.065 | | 4810 | 2984 |
| 3.101 | | 18384 | 12283 |
| 3.156 | | 2424652 | 1307299 |
| 3.261 | | 4703 | 3347 |
| 3.28 | | 3005 | 1199 |
| 3.299 | | 3026 | 1947 |
| 3.318 | | 8497 | 4029 |
| 3.339 | | 1070151 | 598029 |
| 3.398 | | 8545 | 4637 |
| 3.421 | | 38667 | 22670 |
| 3.443 | | 3646 | 1663 |
| 3.464 | | 311376 | 214994 |
| 3.496 | | 24227 | 13645 |
| 3.525 | | 2759 | 1174 |
| 3.537 | | 10477 | 5880 |
| 3.576 | | 19102 | 10702 |
| 3.606 | | 21337 | 15054 |
| 3.663 | | 8064 | 10593 |
| 3.713 | | 4140 | 4564 |
| 3.755 | | 163867 | 95380 |
| 3.774 | | 15246 | 6427 |
| 3.788 | | 83330 | 40525 |
| 3.803 | | 18562 | 8650 |
| 3.833 | | 67835 | 38714 |
| 3.853 | | 127355 | 70843 |
| 3.931 | | 30841 | 29560 |
| 3.962 | | 7765 | 3952 |
| 3.987 | | 905118 | 580766 |
| 4.015 | | 18549 | 17694 |
| 4.065 | | 16056 | 19792 |
| 4.099 | | 4203 | 1785 |
| 4.115 | | 4570 | 2217 |
| 4.142 | | 112895 | 86310 |
| 4.183 | | 16908 | 12201 |
| 4.232 | | 295237 | 221139 |

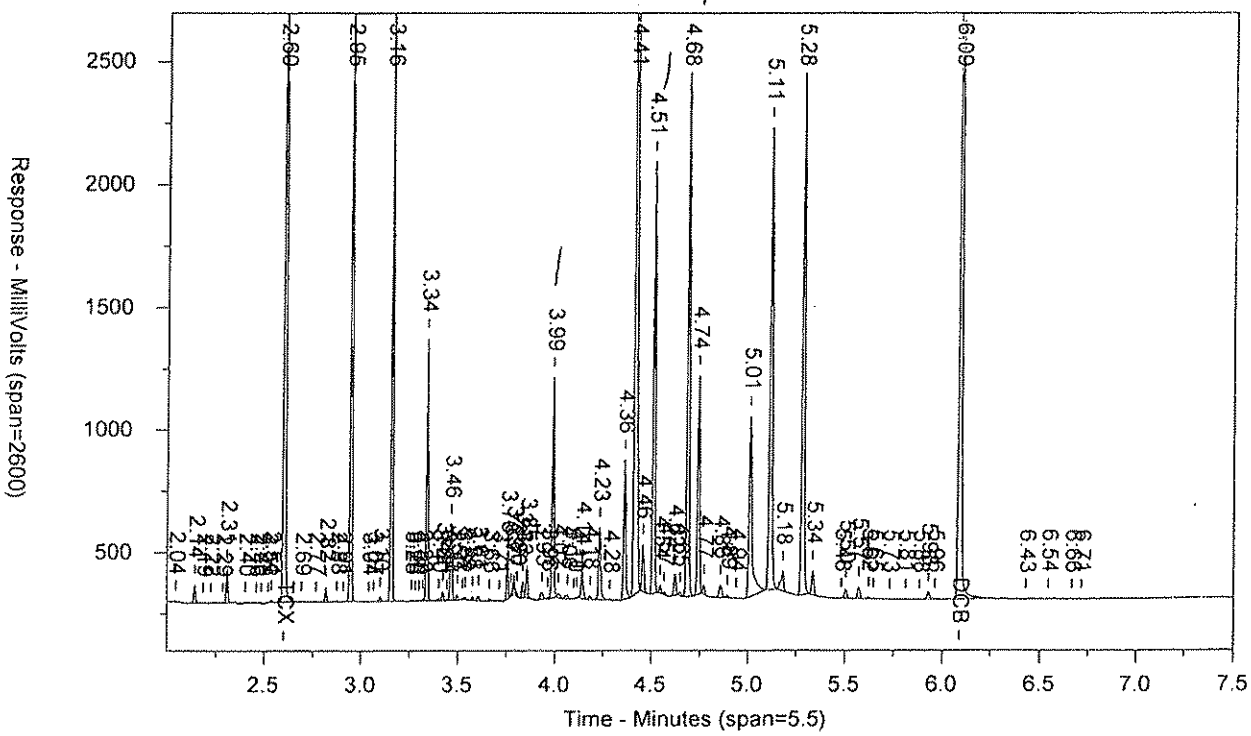
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.284 | | 2736 | 2556 |
| 4.36 | | 572462 | 424825 |
| 4.412 | | 4078649 | 3302765 |
| 4.455 | | 192227 | 139500 |
| 4.508 | | 1763509 | 1244725 |
| 4.545 | | 32110 | 22768 |
| 4.566 | | 12232 | 7440 |
| 4.621 | | 88744 | 68282 |
| 4.646 | | 12320 | 11910 |
| 4.685 | | 2102337 | 1559881 |
| 4.741 | | 894267 | 680712 |
| 4.771 | | 39659 | 27086 |
| 4.857 | | 51477 | 48348 |
| 4.894 | | 10466 | 7599 |
| 4.941 | | 1792 | 2738 |
| 5.009 | | 737511 | 794518 |
| 5.114 | | 1889381 | 1581050 |
| 5.18 | | 83531 | 90719 |
| 5.283 | | 2125547 | 1755930 |
| 5.337 | | 101598 | 79174 |
| 5.482 | | 1464 | 796 |
| 5.505 | | 37059 | 31081 |
| 5.573 | | 49060 | 42229 |
| 5.622 | | 6766 | 4878 |
| 5.648 | | 2865 | 2786 |
| 5.731 | | 1799 | 1963 |
| 5.811 | | 2060 | 2631 |
| 5.882 | | 1755 | 2263 |
| 5.927 | | 30254 | 26937 |
| 5.96 | | 2844 | 2372 |
| 6.088 | DCB | 3956112 | 3363234 |
| 6.429 | | 1287 | 2258 |
| 6.544 | | 2657 | 2515 |
| 6.664 | | 1132 | 2112 |
| 6.714 | | 911 | 1147 |

EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0006.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0006.RAW



LANCASTER LABORATORIES

Sample Number: EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:47:56 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

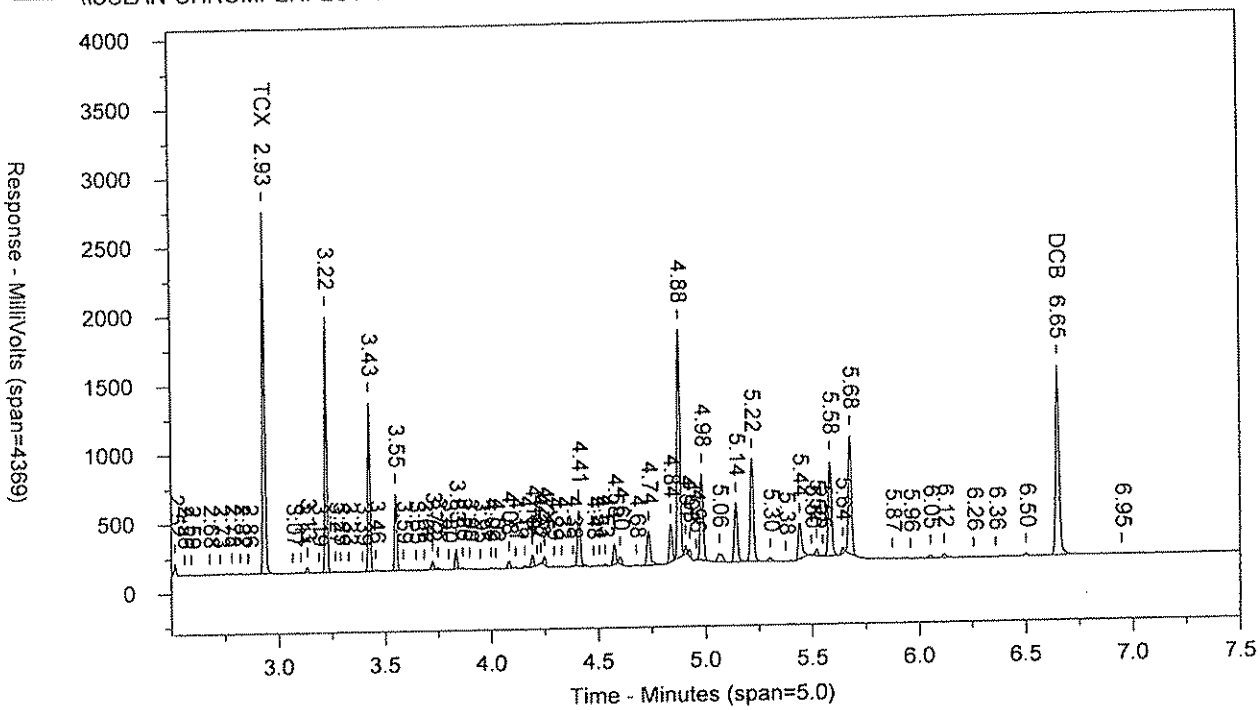
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 2618638 | 19.355 | TCX | 2.601 | 4876962 | 19.856 | TCX |
| 6.649 | 1367299 | 20.455 | DCB | 6.088 | 3956112 | 20.796 | DCB |

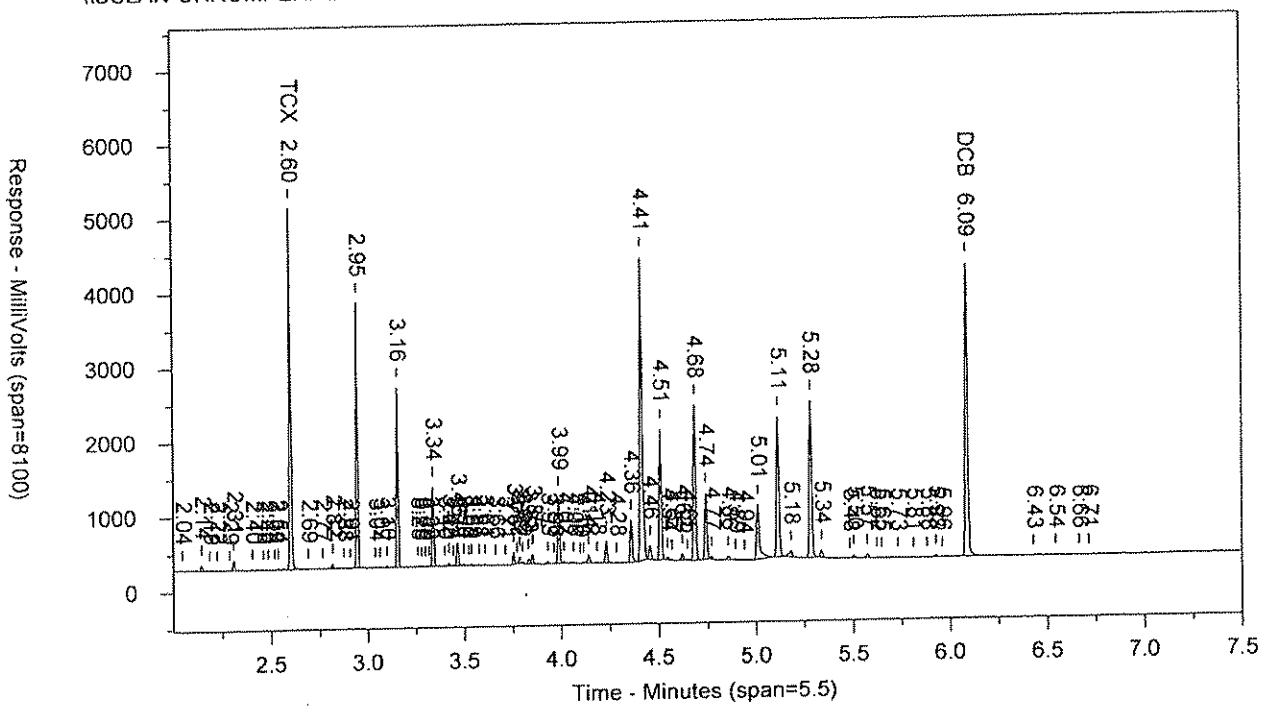
Files:
Area File: 25pcbs16207001.0006.RAW
Area File: 25pcbs16207001B.0006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 5:56:30 PM
File Reported On: 7/25/2016 at 9:47:10 PM

EVALX1624A AAEVALXAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0006.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0006.RAW



LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.093 | | 6456 | 12455 |
| 2.159 | | 2041 | 4153 |
| 2.222 | | 3279 | 3048 |
| 2.315 | | 15098 | 11532 |
| 2.377 | | 1140 | 1040 |
| 2.418 | | 4350 | 3952 |
| 2.494 | | 1161 | 1540 |
| 2.573 | | 2577 | 1869 |
| 2.726 | | 742 | 393 |
| 2.78 | | 5840 | 6720 |
| 2.821 | | 3497 | 2954 |
| 2.858 | | 1505 | 2901 |
| 2.932 | TCX | 575835 | 398754 |
| 3.087 | | 24436 | 20001 |
| 3.144 | | 29796 | 25508 |
| 3.193 | | 140813 | 98393 |
| 3.266 | | 1142 | 563 |
| 3.288 | | 17483 | 11743 |
| 3.411 | | 133317 | 85340 |
| 3.428 | | 68337 | 36439 |
| 3.466 | | 16815 | 9744 |
| 3.482 | | 4842 | 2199 |
| 3.499 | | 11109 | 6411 |
| 3.529 | | 165149 | 125254 |
| 3.567 | | 2062 | 2683 |
| 3.604 | | 6599 | 4323 |
| 3.641 | | 34931 | 20839 |
| 3.656 | | 17273 | 8671 |
| 3.713 | | 281075 | 355830 |
| 3.75 | | 179854 | 140441 |
| 3.809 | | 155194 | 119807 |
| 3.847 | | 14437 | 10589 |
| 3.875 | | 115302 | 83345 |
| 3.902 | | 84935 | 72870 |
| 3.925 | | 28280 | 15301 |
| 4.001 | | 121595 | 89937 |
| 4.026 | | 44656 | 28736 |
| 4.056 | | 49556 | 35546 |
| 4.092 | | 115454 | 123969 |
| 4.132 | | 40477 | 32362 |
| 4.178 | | 6166 | 5379 |
| 4.216 | | 23523 | 21984 |
| 4.252 | | 118153 | 91445 |
| 4.273 | | 30582 | 18065 |
| 4.296 | | 30619 | 22857 |
| 4.364 | | 18832 | 16126 |
| 4.407 | | 125373 | 114777 |
| 4.442 | | 5350 | 3546 |
| 4.505 | | 2730 | 2738 |
| 4.546 | | 16090 | 15821 |
| 4.601 | | 10795 | 7183 |
| 4.616 | | 29356 | 19524 |
| 4.662 | | 76296 | 68598 |
| 4.708 | | 111109 | 131739 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.745 | | 29321 | 21581 |
| 4.784 | | 230250 | 228890 |
| 4.826 | | 3090 | 2636 |
| 4.875 | | 35679 | 41046 |
| 4.906 | | 3761 | 2411 |
| 4.932 | | 46007 | 42000 |
| 4.985 | | 246168 | 346861 |
| 5.035 | | 59488 | 54039 |
| 5.079 | | 135365 | 157905 |
| 5.121 | | 3129 | 1757 |
| 5.158 | | 28748 | 33660 |
| 5.194 | | 291139 | 348751 |
| 5.256 | | 156136 | 150280 |
| 5.3 | | 106643 | 107632 |
| 5.421 | | 198983 | 289326 |
| 5.479 | | 98840 | 97026 |
| 5.519 | | 52190 | 47809 |
| 5.56 | | 12331 | 10860 |
| 5.604 | | 66972 | 68909 |
| 5.66 | | 372350 | 476565 |
| 5.868 | | 214876 | 253772 |
| 5.916 | | 75068 | 144931 |
| 6.052 | | 10324 | 11441 |
| 6.118 | | 7786 | 6397 |
| 6.141 | | 49510 | 47137 |
| 6.254 | | 648 | 703 |
| 6.299 | | 118500 | 126485 |
| 6.345 | | 5822 | 5308 |
| 6.501 | | 35126 | 38995 |
| 6.648 | DCB | 328012 | 391622 |
| 6.945 | | 1572 | 4742 |

LANCASTER LABORATORIES

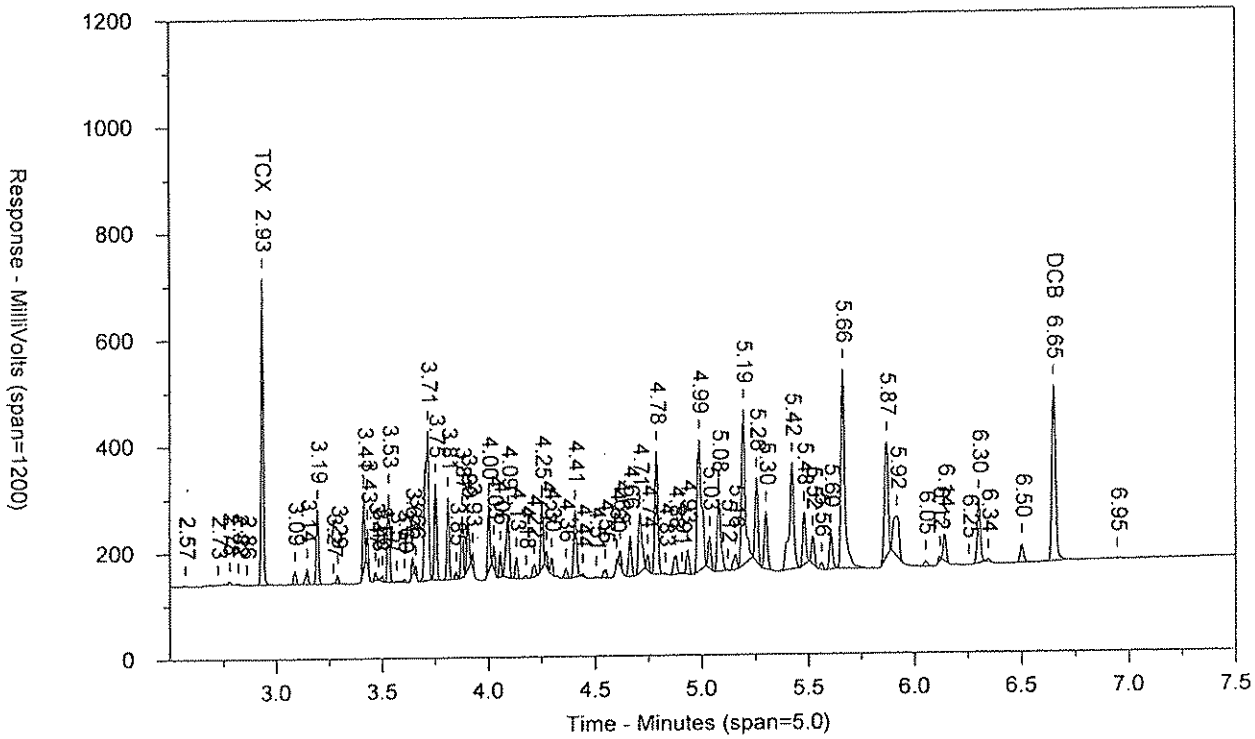
Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 1616 | 1093 |
| 2.149 | | 1451 | 1616 |
| 2.184 | | 2333 | 1996 |
| 2.221 | | 1808 | 2261 |
| 2.288 | | 2689 | 2097 |
| 2.399 | | 2127 | 2521 |
| 2.487 | | 4910 | 3811 |
| 2.521 | | 2291 | 4032 |
| 2.536 | | 10494 | 7317 |
| 2.601 | TCX | 964507 | 565588 |
| 2.646 | | 18834 | 13168 |
| 2.691 | | 2528 | 4138 |
| 2.773 | | 43451 | 26789 |
| 2.818 | | 9496 | 4249 |
| 2.834 | | 42573 | 23315 |
| 2.886 | | 229609 | 135549 |
| 2.933 | | 1986 | 1771 |
| 2.997 | | 27691 | 16626 |
| 3.093 | | 291777 | 272089 |
| 3.145 | | 31737 | 18808 |
| 3.166 | | 14344 | 8200 |
| 3.192 | | 22287 | 11863 |
| 3.215 | | 278489 | 177800 |
| 3.253 | | 9537 | 6470 |
| 3.299 | | 70843 | 35874 |
| 3.315 | | 44845 | 22957 |
| 3.366 | | 165056 | 76998 |
| 3.375 | | 299789 | 119478 |
| 3.409 | | 290137 | 214251 |
| 3.484 | | 285891 | 173670 |
| 3.52 | | 214324 | 128370 |
| 3.543 | | 231857 | 128294 |
| 3.562 | | 74600 | 37679 |
| 3.648 | | 253021 | 164378 |
| 3.671 | | 101338 | 53310 |
| 3.692 | | 90382 | 51804 |
| 3.722 | | 63873 | 32566 |
| 3.739 | | 214008 | 122423 |
| 3.779 | | 76358 | 51216 |
| 3.826 | | 10972 | 10319 |
| 3.847 | | 53722 | 31148 |
| 3.869 | | 278614 | 177133 |
| 3.894 | | 55658 | 32313 |
| 3.915 | | 6491 | 3182 |
| 3.932 | | 54458 | 37289 |
| 3.969 | | 225332 | 146436 |
| 4.002 | | 14881 | 8225 |
| 4.017 | | 17573 | 9849 |
| 4.064 | | 6875 | 7054 |
| 4.111 | | 18666 | 20433 |
| 4.168 | | 61949 | 41725 |
| 4.21 | | 61843 | 37033 |
| 4.228 | | 55170 | 26143 |
| 4.241 | | 162231 | 89030 |

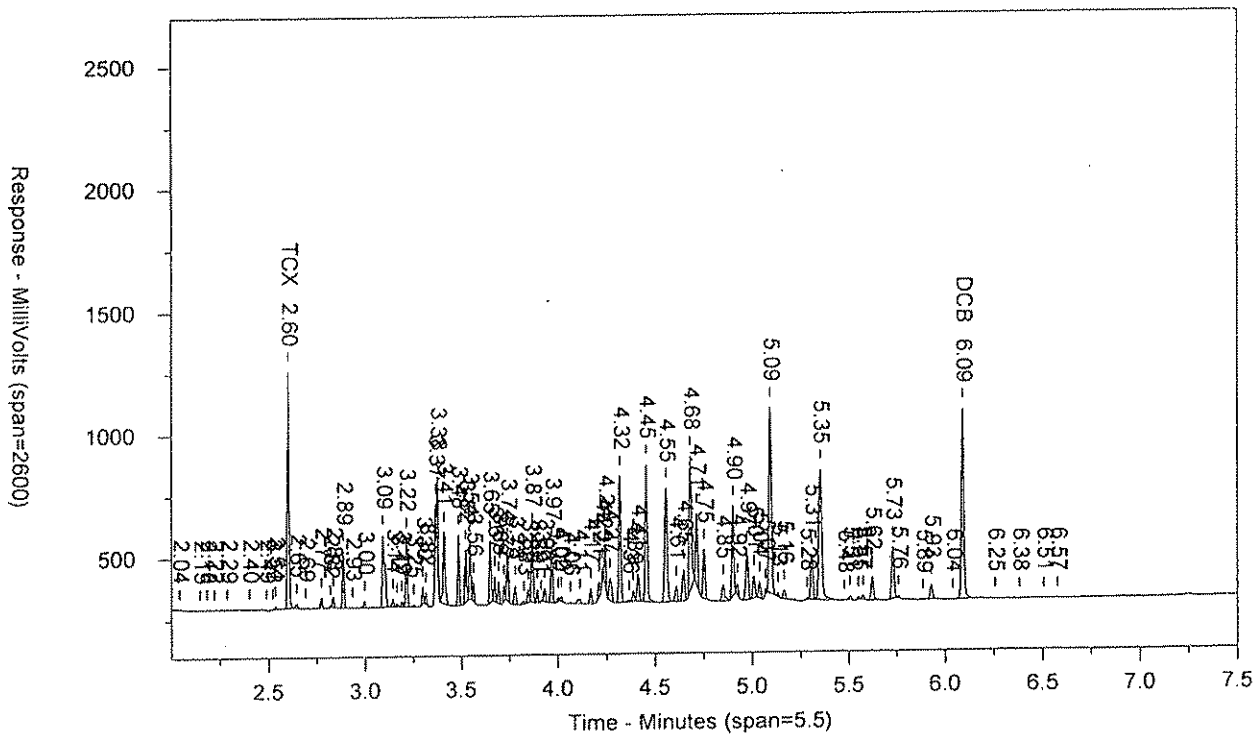
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.266 | | 88911 | 88590 |
| 4.318 | | 516708 | 370348 |
| 4.364 | | 6827 | 6429 |
| 4.387 | | 43861 | 28308 |
| 4.411 | | 110181 | 78991 |
| 4.453 | | 558781 | 441278 |
| 4.554 | | 463124 | 433812 |
| 4.607 | | 62414 | 50292 |
| 4.646 | | 127999 | 107496 |
| 4.68 | | 549365 | 460738 |
| 4.713 | | 289965 | 209094 |
| 4.751 | | 200372 | 151387 |
| 4.849 | | 66510 | 64664 |
| 4.9 | | 366371 | 286011 |
| 4.923 | | 44649 | 27331 |
| 4.973 | | 195763 | 169994 |
| 5.008 | | 91319 | 70969 |
| 5.038 | | 66145 | 53809 |
| 5.069 | | 22038 | 13037 |
| 5.092 | | 758114 | 651968 |
| 5.132 | | 15291 | 10806 |
| 5.165 | | 37394 | 31233 |
| 5.283 | | 8755 | 5706 |
| 5.306 | | 184374 | 147077 |
| 5.35 | | 530936 | 601049 |
| 5.475 | | 1087 | 1157 |
| 5.506 | | 16305 | 12961 |
| 5.549 | | 10573 | 7381 |
| 5.573 | | 15361 | 11444 |
| 5.622 | | 96944 | 88666 |
| 5.728 | | 211383 | 180807 |
| 5.758 | | 8540 | 6147 |
| 5.885 | | 1584 | 1548 |
| 5.927 | | 59816 | 52668 |
| 6.04 | | 1632 | 2395 |
| 6.088 | DCB | 777580 | 707892 |
| 6.254 | | 1678 | 1932 |
| 6.381 | | 1765 | 2394 |
| 6.506 | | 912 | 813 |
| 6.575 | | 1691 | 2449 |

AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.RAW



LANCASTER LABORATORIES

Sample Number: AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 5:59:44 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

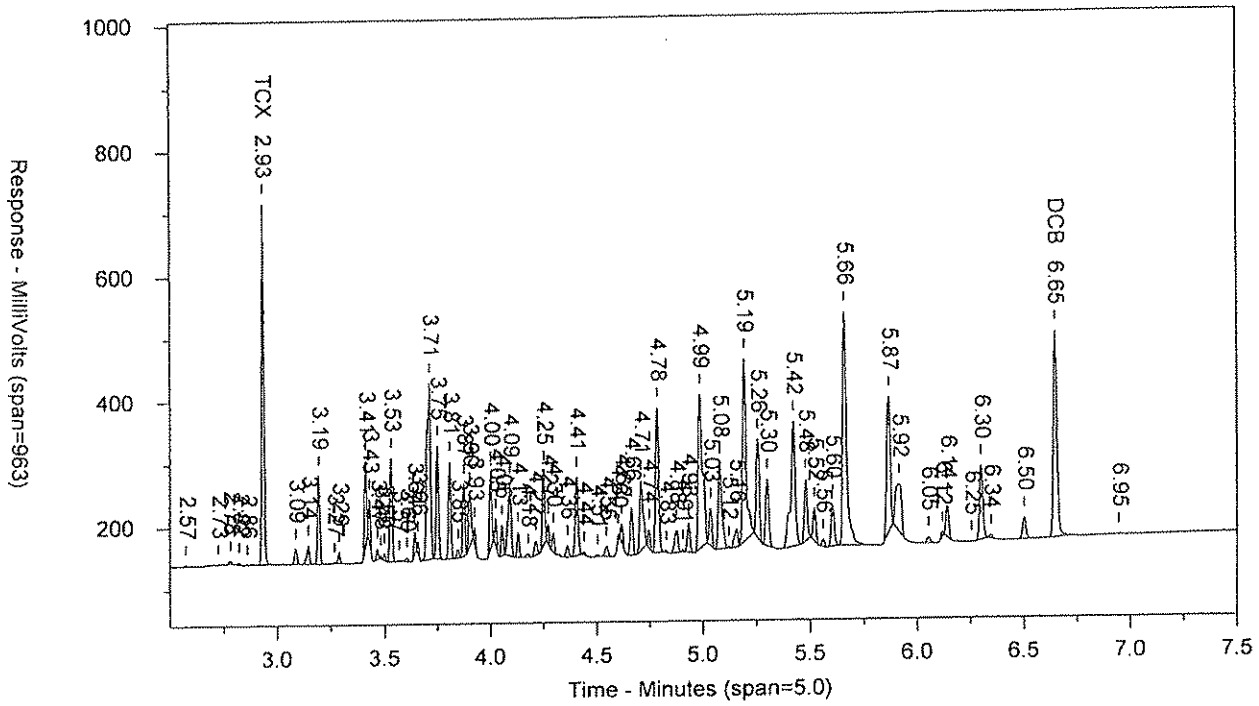
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 575835 | 4.256 | TCX | 2.601 | 964507 | 3.927 | TCX |
| 6.648 | 328012 | 4.907 | DCB | 6.088 | 777580 | 4.087 | DCB |

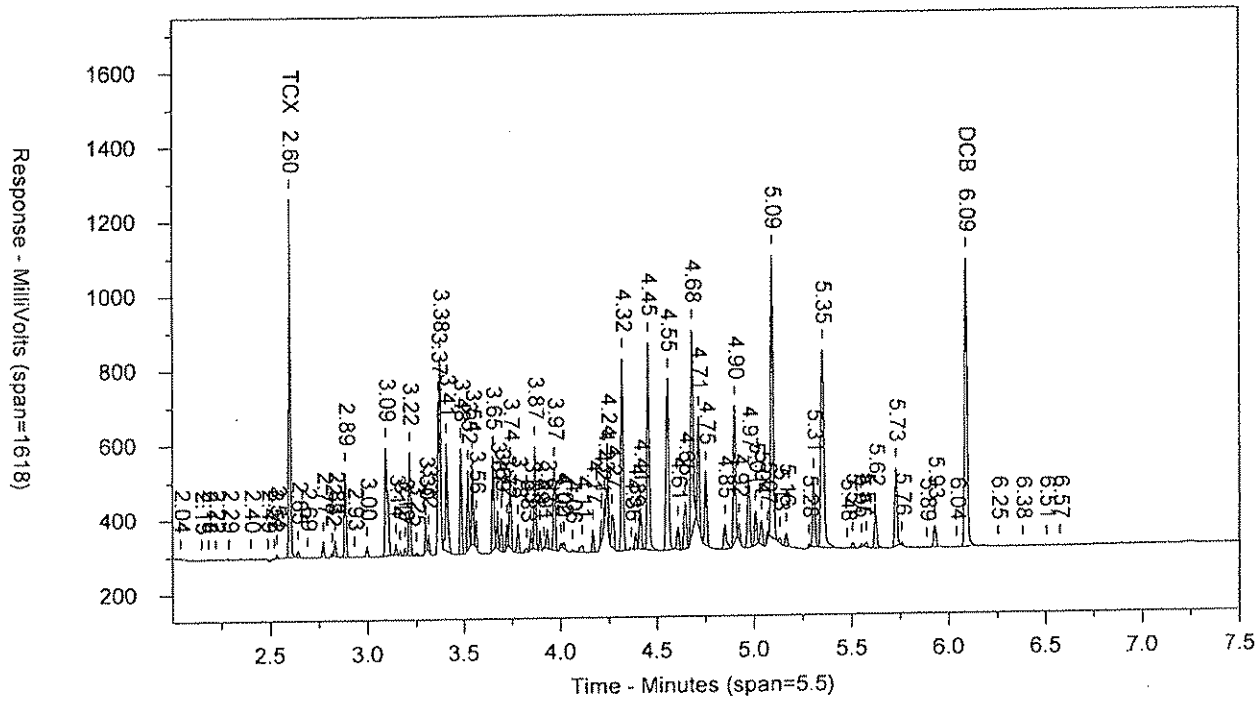
Files:
Area File: 25pcbs16207001.0007.RAW
Area File: 25pcbs16207001B.0007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:08:15 PM
File Reported On: 7/25/2016 at 9:47:22 PM

AR1611624B AAAR161AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0007.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0007.RAW



LANCASTER LABORATORIES

Sample Number: AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.091 | | 8992 | 13627 |
| 2.223 | | 14473 | 11330 |
| 2.315 | | 10977 | 6844 |
| 2.334 | | 4772 | 2956 |
| 2.378 | | 1287 | 1315 |
| 2.418 | | 5695 | 5006 |
| 2.494 | | 1466 | 1803 |
| 2.571 | | 4361 | 4277 |
| 2.726 | | 1123 | 641 |
| 2.779 | | 5433 | 7458 |
| 2.821 | | 3525 | 2538 |
| 2.85 | | 1193 | 1147 |
| 2.931 | TCX | 2689757 | 1821614 |
| 3.086 | | 44564 | 38925 |
| 3.144 | | 58300 | 62695 |
| 3.193 | | 242653 | 177143 |
| 3.266 | | 6287 | 3470 |
| 3.287 | | 31654 | 21323 |
| 3.41 | | 243838 | 150173 |
| 3.427 | | 120753 | 65072 |
| 3.465 | | 30034 | 17837 |
| 3.481 | | 8951 | 3919 |
| 3.498 | | 20461 | 11801 |
| 3.528 | | 289015 | 223955 |
| 3.565 | | 1948 | 1018 |
| 3.583 | | 2610 | 1519 |
| 3.603 | | 11509 | 7605 |
| 3.64 | | 93168 | 104219 |
| 3.7 | | 133769 | 78652 |
| 3.712 | | 263408 | 133629 |
| 3.748 | | 329269 | 253738 |
| 3.807 | | 284987 | 217454 |
| 3.846 | | 27306 | 19131 |
| 3.874 | | 198852 | 149963 |
| 3.901 | | 150793 | 128942 |
| 3.923 | | 50670 | 26445 |
| 4 | | 219839 | 159608 |
| 4.024 | | 80518 | 53956 |
| 4.054 | | 94279 | 66763 |
| 4.091 | | 209159 | 225255 |
| 4.131 | | 76609 | 61546 |
| 4.177 | | 13317 | 11139 |
| 4.214 | | 28011 | 26628 |
| 4.251 | | 204368 | 160882 |
| 4.271 | | 57908 | 33622 |
| 4.295 | | 64728 | 46039 |
| 4.362 | | 34489 | 30359 |
| 4.406 | | 213202 | 207625 |
| 4.44 | | 9399 | 6706 |
| 4.502 | | 4356 | 3879 |
| 4.544 | | 29865 | 29132 |
| 4.6 | | 24726 | 16311 |
| 4.614 | | 51971 | 33472 |
| 4.661 | | 142027 | 127921 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.706 | | 194598 | 236935 |
| 4.744 | | 54356 | 40405 |
| 4.783 | | 418965 | 410347 |
| 4.823 | | 4637 | 4325 |
| 4.873 | | 69584 | 80465 |
| 4.905 | | 6945 | 4733 |
| 4.931 | | 83519 | 79116 |
| 4.984 | | 449963 | 621834 |
| 5.033 | | 112574 | 100158 |
| 5.077 | | 240985 | 289303 |
| 5.12 | | 5867 | 3432 |
| 5.155 | | 57212 | 69373 |
| 5.192 | | 530367 | 626922 |
| 5.255 | | 274524 | 263784 |
| 5.298 | | 187703 | 193987 |
| 5.419 | | 362827 | 523611 |
| 5.478 | | 175072 | 172023 |
| 5.518 | | 95698 | 88130 |
| 5.558 | | 26134 | 24390 |
| 5.603 | | 122870 | 128379 |
| 5.659 | | 689214 | 873190 |
| 5.864 | | 405602 | 457066 |
| 5.905 | | 125990 | 261673 |
| 6.05 | | 31694 | 33135 |
| 6.116 | | 25363 | 20069 |
| 6.139 | | 92445 | 79885 |
| 6.295 | | 202730 | 226984 |
| 6.341 | | 13258 | 11655 |
| 6.497 | | 72292 | 84202 |
| 6.645 | DCB | 1302897 | 1513780 |
| 6.852 | | 1289 | 2997 |

LANCASTER LABORATORIES

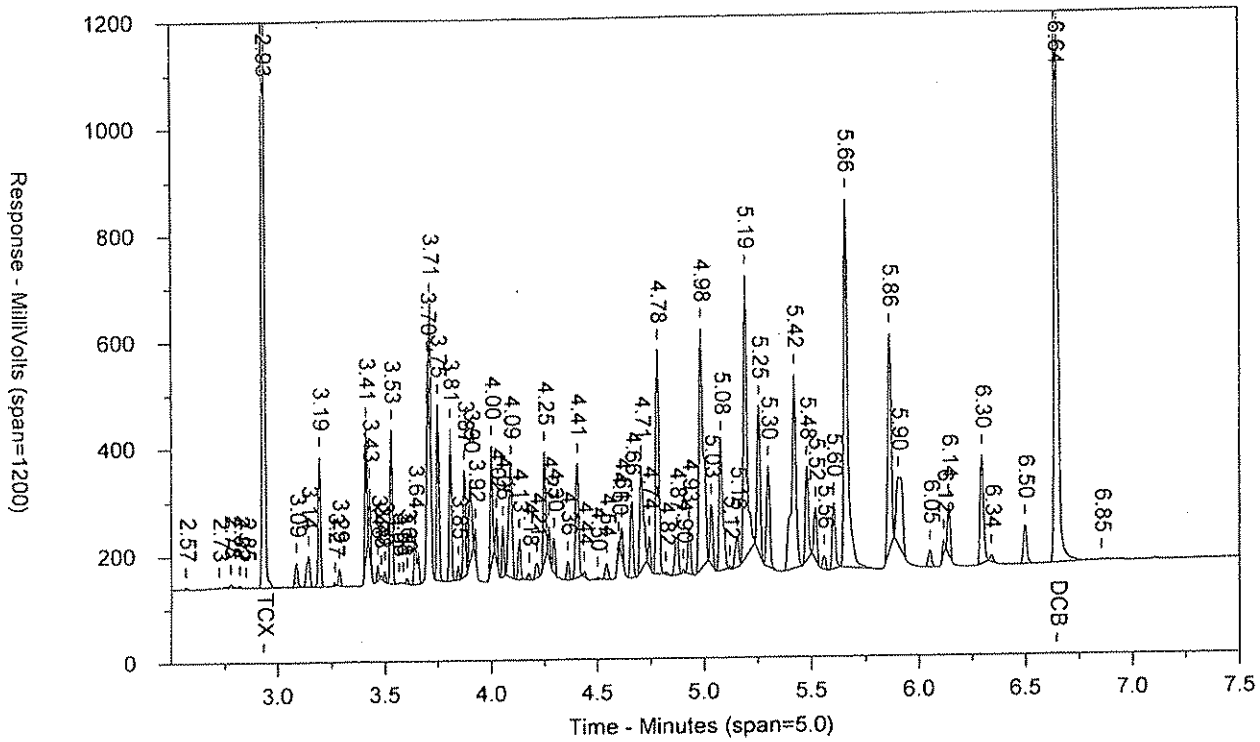
Sample Number: AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 7722 | 6561 |
| 2.149 | | 1808 | 1513 |
| 2.185 | | 2139 | 2010 |
| 2.221 | | 1695 | 1247 |
| 2.288 | | 5083 | 3613 |
| 2.346 | | 2056 | 2030 |
| 2.404 | | 1303 | 1479 |
| 2.486 | | 2406 | 1612 |
| 2.537 | | 9761 | 6062 |
| 2.562 | | 9422 | 4900 |
| 2.602 | TCX | 4873008 | 2842686 |
| 2.646 | | 32407 | 21631 |
| 2.694 | | 1975 | 2864 |
| 2.773 | | 80465 | 53185 |
| 2.819 | | 47510 | 22873 |
| 2.834 | | 75304 | 38845 |
| 2.886 | | 423590 | 252997 |
| 2.935 | | 11192 | 7640 |
| 2.997 | | 53222 | 32779 |
| 3.04 | | 1802 | 1606 |
| 3.093 | | 556705 | 507964 |
| 3.145 | | 62099 | 36547 |
| 3.166 | | 27930 | 16023 |
| 3.192 | | 41064 | 22258 |
| 3.216 | | 512784 | 334127 |
| 3.253 | | 18420 | 10530 |
| 3.279 | | 3787 | 1764 |
| 3.299 | | 136582 | 69344 |
| 3.315 | | 85715 | 42123 |
| 3.375 | | 987750 | 987539 |
| 3.409 | | 545776 | 408074 |
| 3.484 | | 549286 | 332659 |
| 3.519 | | 406122 | 242414 |
| 3.543 | | 438466 | 239923 |
| 3.561 | | 144032 | 72307 |
| 3.611 | | 1787 | 1215 |
| 3.648 | | 489718 | 309672 |
| 3.671 | | 192430 | 101485 |
| 3.691 | | 178057 | 101114 |
| 3.72 | | 130795 | 65426 |
| 3.738 | | 418849 | 235513 |
| 3.778 | | 144100 | 98466 |
| 3.825 | | 20345 | 19152 |
| 3.846 | | 107051 | 60832 |
| 3.868 | | 529532 | 335687 |
| 3.893 | | 106160 | 60814 |
| 3.913 | | 14493 | 7086 |
| 3.932 | | 78493 | 52089 |
| 3.967 | | 437576 | 280644 |
| 4 | | 28093 | 15845 |
| 4.015 | | 35260 | 19869 |
| 4.062 | | 4755 | 2803 |
| 4.11 | | 36509 | 39145 |
| 4.166 | | 119197 | 81002 |

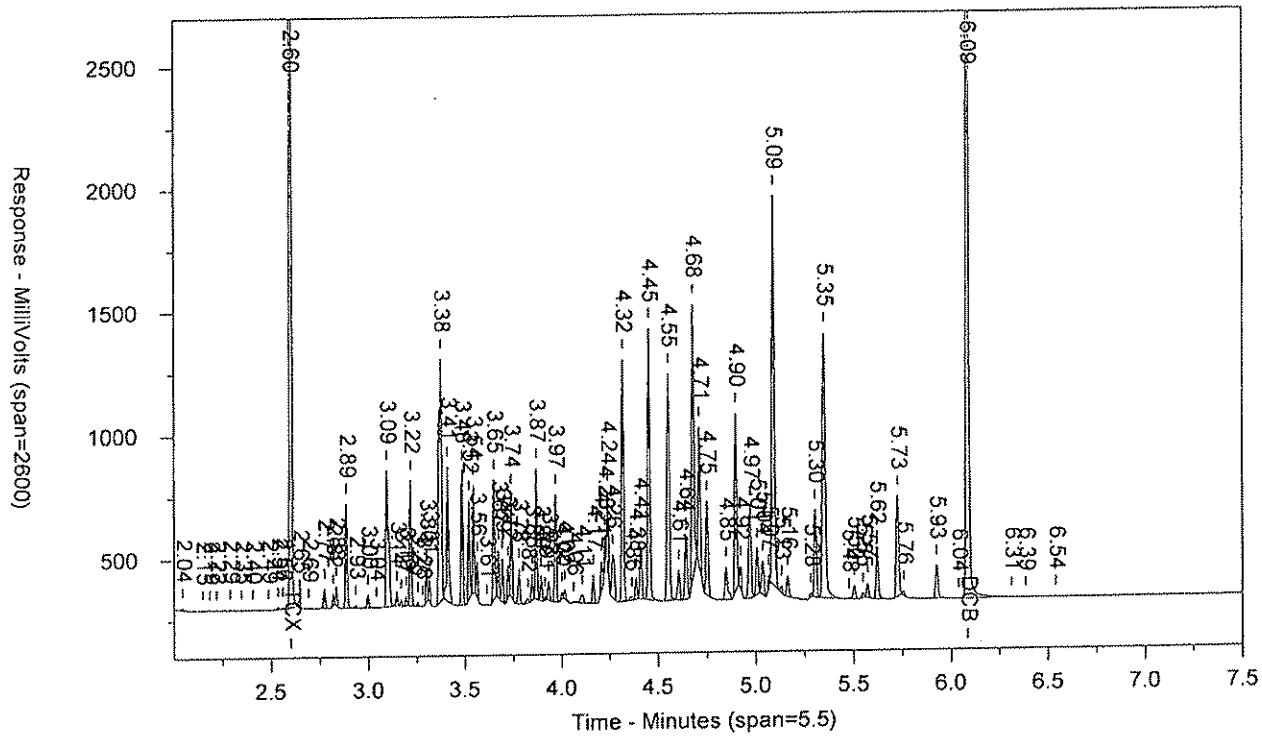
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.209 | | 115999 | 68941 |
| 4.226 | | 113749 | 54002 |
| 4.24 | | 315870 | 170920 |
| 4.264 | | 175625 | 174461 |
| 4.316 | | 987956 | 711736 |
| 4.362 | | 13201 | 13298 |
| 4.385 | | 88891 | 56016 |
| 4.409 | | 211071 | 152320 |
| 4.451 | | 1104069 | 836526 |
| 4.553 | | 925349 | 840884 |
| 4.606 | | 124329 | 98936 |
| 4.644 | | 250577 | 214593 |
| 4.679 | | 1112753 | 892918 |
| 4.711 | | 569615 | 398479 |
| 4.749 | | 384823 | 294625 |
| 4.847 | | 133901 | 128566 |
| 4.898 | | 723434 | 560052 |
| 4.921 | | 92389 | 57811 |
| 4.971 | | 376583 | 332074 |
| 5.007 | | 191057 | 142989 |
| 5.036 | | 137786 | 110889 |
| 5.068 | | 47903 | 26536 |
| 5.09 | | 1590138 | 1300883 |
| 5.13 | | 28600 | 19996 |
| 5.163 | | 86805 | 70689 |
| 5.28 | | 18855 | 11765 |
| 5.305 | | 358494 | 283986 |
| 5.348 | | 1080014 | 1178508 |
| 5.476 | | 1049 | 795 |
| 5.504 | | 53952 | 44574 |
| 5.547 | | 21328 | 14820 |
| 5.571 | | 56982 | 43689 |
| 5.62 | | 199838 | 175024 |
| 5.726 | | 413165 | 352547 |
| 5.757 | | 19395 | 13243 |
| 5.925 | | 136810 | 115292 |
| 6.041 | | 1435 | 1788 |
| 6.085 | DCB | 3779903 | 3304045 |
| 6.314 | | 1221 | 1732 |
| 6.387 | | 1186 | 1614 |
| 6.54 | | 3346 | 2908 |

AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.RAW



LANCASTER LABORATORIES

Sample Number: AR16216248 AAAR162AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:11:22 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: 4
Calibration Type: external
Quantitation: Height

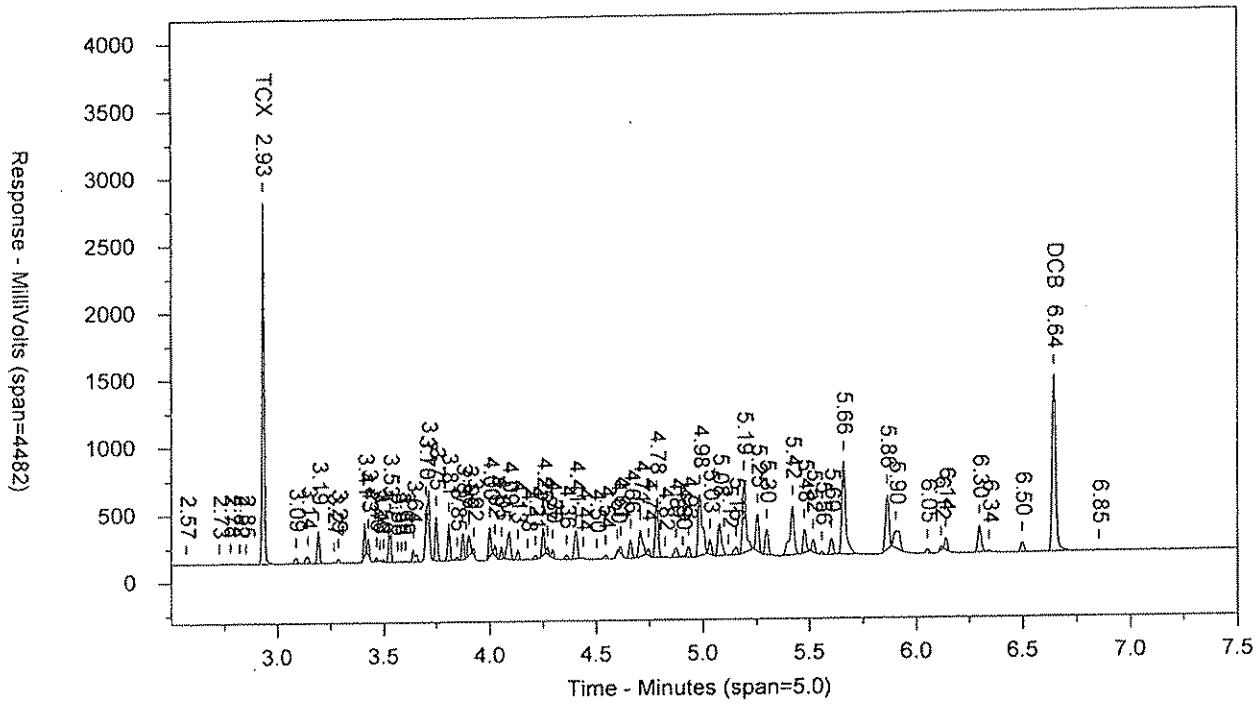
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 2689757 | 19.881 | TCX | 2.602 | 4873008 | 19.84 | TCX |
| 6.645 | 1302897 | 19.492 | DCB | 6.085 | 3779903 | 19.869 | DCB |

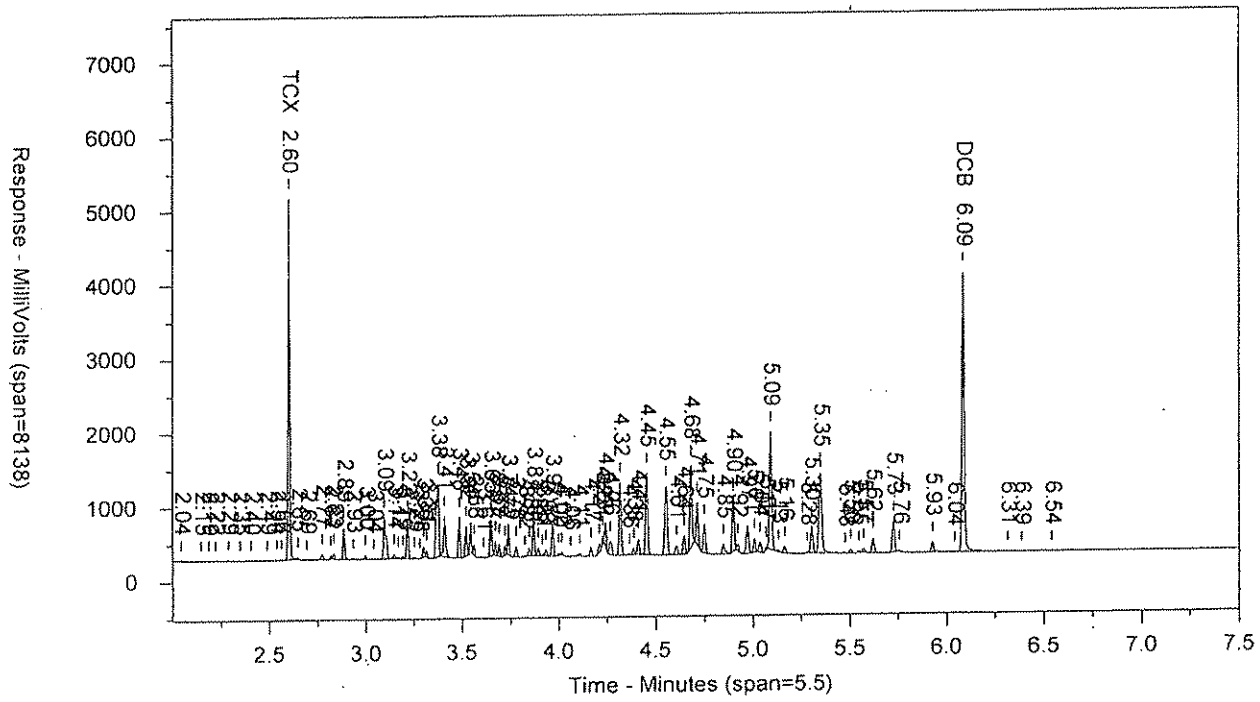
Files:
Area File: 25pcbs16207001.0008.RAW
Area File: 25pcbs16207001B.0008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:19:54 PM
File Reported On: 7/25/2016 at 9:47:34 PM

AR1621624B AAAR162AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0008.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0008.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.035 | | 1483 | 2837 |
| 2.091 | | 8013 | 18502 |
| 2.161 | | 4170 | 10583 |
| 2.222 | | 28011 | 22139 |
| 2.314 | | 15294 | 9551 |
| 2.333 | | 9563 | 5934 |
| 2.38 | | 1219 | 1314 |
| 2.417 | | 5797 | 5557 |
| 2.495 | | 842 | 1680 |
| 2.571 | | 7341 | 5767 |
| 2.671 | | 1058 | 923 |
| 2.725 | | 1250 | 926 |
| 2.78 | | 10261 | 11579 |
| 2.82 | | 4993 | 4665 |
| 2.85 | | 2019 | 1972 |
| 2.931 | TCX | 5432286 | 3634253 |
| 3.086 | | 84210 | 73141 |
| 3.143 | | 110322 | 121461 |
| 3.192 | | 452188 | 320909 |
| 3.265 | | 11692 | 6659 |
| 3.286 | | 61183 | 41033 |
| 3.325 | | 1438 | 827 |
| 3.373 | | 1090 | 670 |
| 3.409 | | 436384 | 272126 |
| 3.426 | | 224776 | 118756 |
| 3.463 | | 66457 | 53163 |
| 3.496 | | 38897 | 22345 |
| 3.527 | | 546215 | 409147 |
| 3.562 | | 3101 | 1654 |
| 3.581 | | 7767 | 4657 |
| 3.601 | | 21297 | 14041 |
| 3.638 | | 118860 | 71196 |
| 3.653 | | 62201 | 30580 |
| 3.699 | | 245146 | 147474 |
| 3.71 | | 510147 | 262395 |
| 3.746 | | 603465 | 467004 |
| 3.806 | | 509894 | 404981 |
| 3.844 | | 52644 | 36491 |
| 3.872 | | 359734 | 268883 |
| 3.9 | | 260197 | 226048 |
| 3.921 | | 87997 | 45998 |
| 3.998 | | 392931 | 286147 |
| 4.022 | | 137983 | 93111 |
| 4.053 | | 168012 | 122367 |
| 4.088 | | 379581 | 411506 |
| 4.129 | | 139255 | 114313 |
| 4.175 | | 21846 | 18986 |
| 4.213 | | 42314 | 38150 |
| 4.248 | | 391071 | 294260 |
| 4.269 | | 100214 | 62216 |
| 4.293 | | 112575 | 83867 |
| 4.36 | | 66427 | 57246 |
| 4.403 | | 392148 | 371261 |
| 4.437 | | 17511 | 11717 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.501 | | 7887 | 7164 |
| 4.542 | | 55183 | 56004 |
| 4.598 | | 44466 | 29699 |
| 4.612 | | 90728 | 59327 |
| 4.658 | | 253209 | 230752 |
| 4.703 | | 370216 | 421221 |
| 4.741 | | 100857 | 74087 |
| 4.781 | | 754145 | 747965 |
| 4.823 | | 9227 | 8673 |
| 4.871 | | 128491 | 150368 |
| 4.902 | | 14048 | 8930 |
| 4.929 | | 155882 | 145582 |
| 4.981 | | 849659 | 1127491 |
| 5.031 | | 186833 | 175255 |
| 5.075 | | 447539 | 528466 |
| 5.118 | | 12312 | 7445 |
| 5.154 | | 103935 | 127821 |
| 5.19 | | 1010804 | 1160220 |
| 5.252 | | 526012 | 479468 |
| 5.296 | | 348292 | 350929 |
| 5.418 | | 648503 | 950057 |
| 5.476 | | 311660 | 303880 |
| 5.516 | | 171299 | 156885 |
| 5.556 | | 51170 | 47335 |
| 5.601 | | 220671 | 233416 |
| 5.656 | | 1326128 | 1593330 |
| 5.863 | | 754470 | 839511 |
| 5.903 | | 228320 | 464120 |
| 6.048 | | 58600 | 60074 |
| 6.114 | | 45663 | 35329 |
| 6.136 | | 151770 | 140018 |
| 6.294 | | 367527 | 403425 |
| 6.339 | | 26883 | 23753 |
| 6.42 | | 1150 | 1286 |
| 6.495 | | 129500 | 151262 |
| 6.643 | DCB | 2538189 | 2839143 |

LANCASTER LABORATORIES

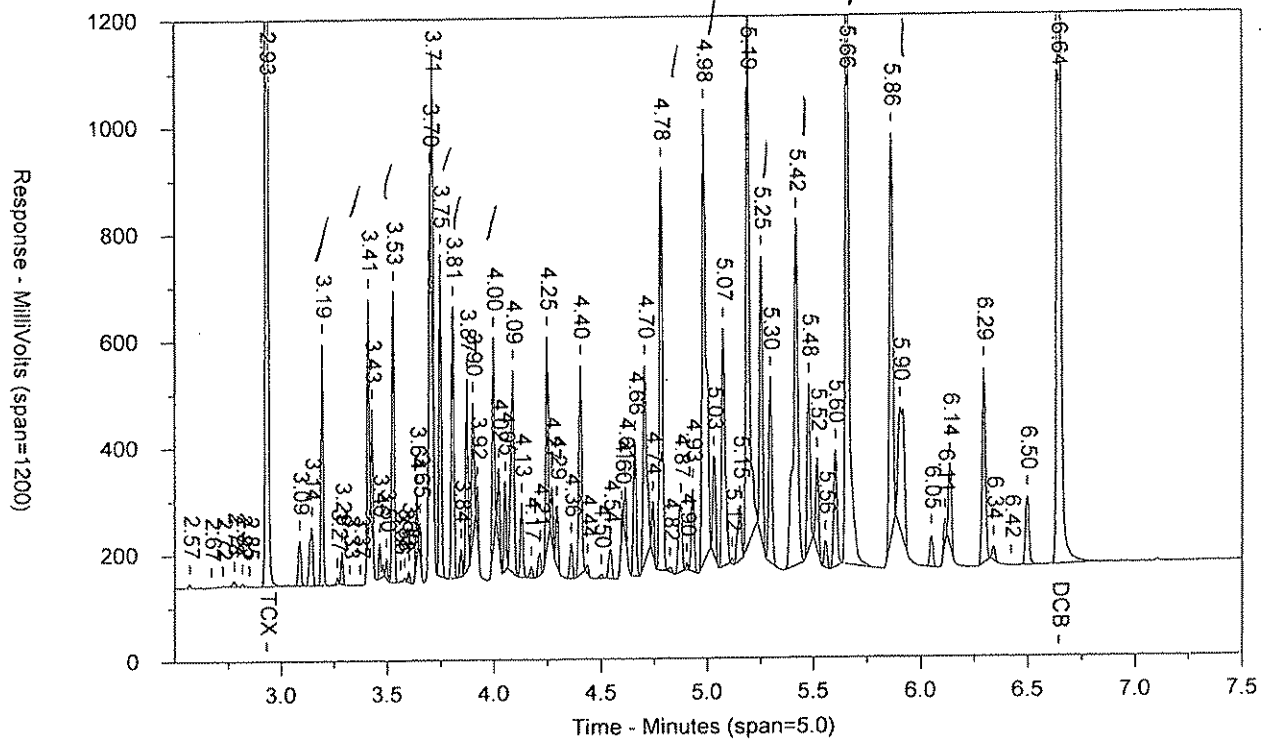
Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 14866 | 11456 |
| 2.147 | | 1616 | 2128 |
| 2.187 | | 2550 | 2670 |
| 2.222 | | 1842 | 1993 |
| 2.289 | | 9276 | 6825 |
| 2.349 | | 5785 | 5441 |
| 2.38 | | 3748 | 4906 |
| 2.486 | | 2073 | 1559 |
| 2.52 | | 2654 | 1746 |
| 2.536 | | 19202 | 11906 |
| 2.601 | TCX | 10029410 | 5794845 |
| 2.646 | | 59981 | 41221 |
| 2.773 | | 156824 | 101132 |
| 2.818 | | 95507 | 45715 |
| 2.833 | | 144574 | 73809 |
| 2.886 | | 807741 | 480950 |
| 2.934 | | 21454 | 11825 |
| 2.996 | | 103360 | 61853 |
| 3.093 | | 1054721 | 959067 |
| 3.144 | | 123478 | 71727 |
| 3.165 | | 53695 | 29992 |
| 3.191 | | 80799 | 43348 |
| 3.214 | | 994133 | 635695 |
| 3.252 | | 34804 | 19466 |
| 3.278 | | 11923 | 5489 |
| 3.298 | | 255990 | 134362 |
| 3.314 | | 152111 | 73470 |
| 3.374 | | 1941671 | 1932983 |
| 3.408 | | 1067586 | 783295 |
| 3.482 | | 1109752 | 647582 |
| 3.518 | | 764512 | 457561 |
| 3.541 | | 829407 | 455444 |
| 3.56 | | 272552 | 137699 |
| 3.646 | | 906700 | 584316 |
| 3.669 | | 351777 | 189791 |
| 3.689 | | 305472 | 179799 |
| 3.718 | | 237101 | 120674 |
| 3.736 | | 788640 | 450401 |
| 3.776 | | 280334 | 188809 |
| 3.822 | | 40216 | 37208 |
| 3.844 | | 206985 | 119022 |
| 3.865 | | 1032268 | 647108 |
| 3.891 | | 202245 | 123025 |
| 3.911 | | 32812 | 15546 |
| 3.93 | | 131429 | 83993 |
| 3.965 | | 817682 | 535784 |
| 3.998 | | 49811 | 29274 |
| 4.014 | | 66727 | 38492 |
| 4.059 | | 5973 | 3279 |
| 4.074 | | 6897 | 3802 |
| 4.108 | | 71341 | 74790 |
| 4.164 | | 225354 | 154841 |
| 4.207 | | 232323 | 130537 |
| 4.224 | | 226578 | 108762 |

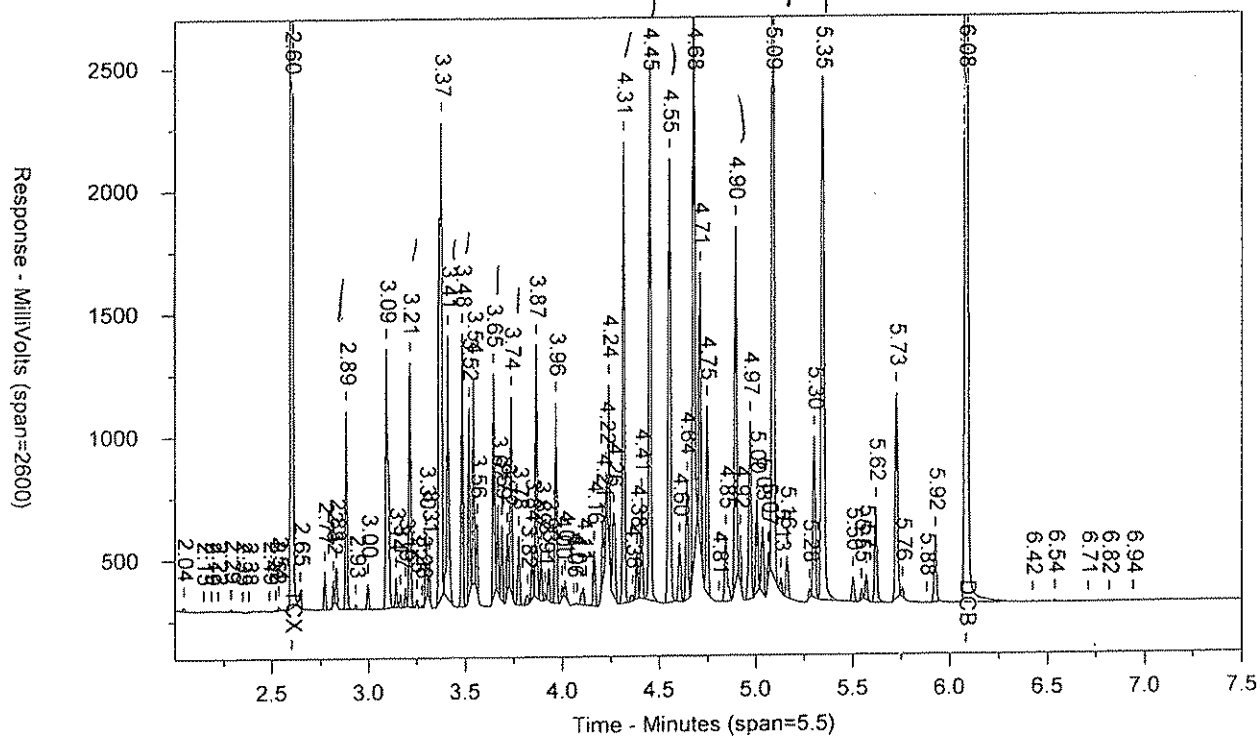
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.237 | | 627317 | 332984 |
| 4.262 | | 336136 | 337300 |
| 4.314 | | 1880993 | 1379010 |
| 4.361 | | 25003 | 26221 |
| 4.383 | | 182492 | 112149 |
| 4.407 | | 406652 | 292138 |
| 4.45 | | 2187877 | 1622383 |
| 4.551 | | 1807632 | 1648472 |
| 4.603 | | 239852 | 193999 |
| 4.642 | | 481747 | 409857 |
| 4.677 | | 2231226 | 1789052 |
| 4.709 | | 1093699 | 777730 |
| 4.747 | | 759582 | 571277 |
| 4.807 | | 2370 | 2063 |
| 4.845 | | 269664 | 251474 |
| 4.896 | | 1461923 | 1100096 |
| 4.919 | | 187561 | 116952 |
| 4.969 | | 723028 | 642147 |
| 5.004 | | 378045 | 281360 |
| 5.034 | | 264535 | 216275 |
| 5.065 | | 103574 | 58956 |
| 5.088 | | 3233497 | 2612843 |
| 5.129 | | 56604 | 39368 |
| 5.161 | | 170551 | 136829 |
| 5.279 | | 37155 | 23028 |
| 5.302 | | 656965 | 547521 |
| 5.346 | | 2133306 | 2315835 |
| 5.502 | | 101502 | 83454 |
| 5.546 | | 46703 | 31871 |
| 5.57 | | 102916 | 79807 |
| 5.619 | | 386053 | 334514 |
| 5.725 | | 838867 | 695569 |
| 5.756 | | 39891 | 28439 |
| 5.879 | | 2288 | 1859 |
| 5.924 | | 264262 | 224463 |
| 6.084 | DCB | 7539095 | 6613675 |
| 6.424 | | 1338 | 923 |
| 6.537 | | 7432 | 9089 |
| 6.709 | | 1324 | 1361 |
| 6.817 | | 767 | 563 |
| 6.94 | | 1386 | 1637 |

AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:23:00 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

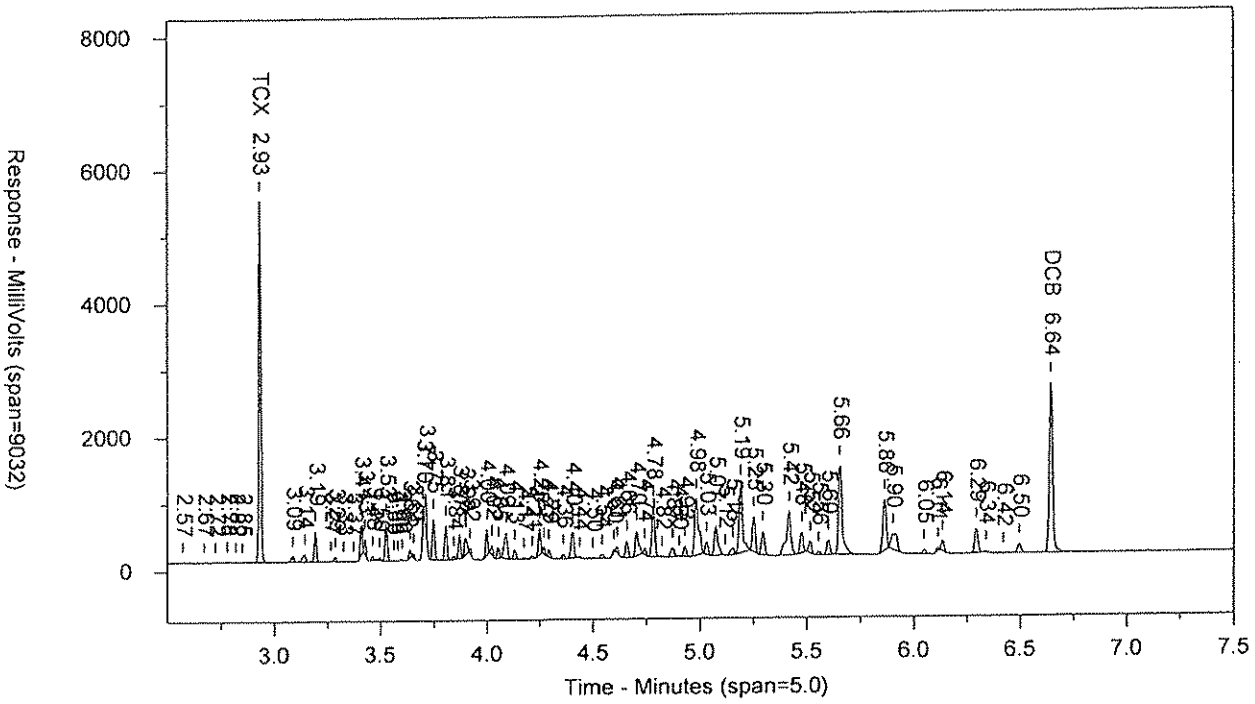
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 5432286 | 40.151 | TCX | 2.601 | 10029410 | 40.834 | TCX |
| 6.643 | 2538189 | 37.972 | DCB | 6.084 | 7539095 | 39.63 | DCB |

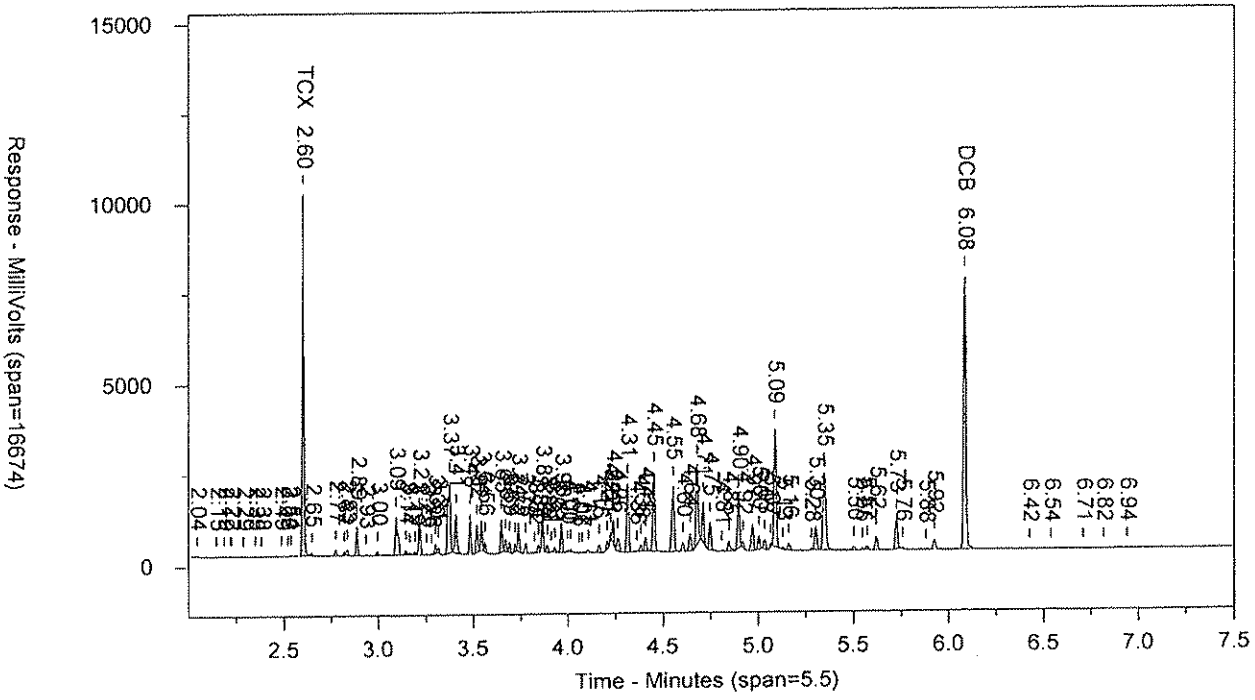
Files:
Area File: 25pcbs16207001.0009.RAW
Area File: 25pcbs16207001B.0009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:31:30 PM
File Reported On: 7/25/2016 at 9:47:46 PM

AR1631624B AAAR163AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0009.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0009.RAW



LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.039 | | 987 | 1498 |
| 2.091 | | 8325 | 14986 |
| 2.151 | | 2191 | 3561 |
| 2.222 | | 41178 | 31290 |
| 2.314 | | 7431 | 4363 |
| 2.333 | | 15850 | 10385 |
| 2.378 | | 1478 | 1513 |
| 2.417 | | 3625 | 3992 |
| 2.495 | | 1323 | 1463 |
| 2.571 | | 16919 | 13126 |
| 2.669 | | 925 | 986 |
| 2.726 | | 662 | 430 |
| 2.779 | | 5131 | 6412 |
| 2.819 | | 2684 | 2221 |
| 2.851 | | 4142 | 3625 |
| 2.931 | TCX | 7926535 | 5409246 |
| 3.085 | | 187942 | 162908 |
| 3.143 | | 232404 | 229306 |
| 3.192 | | 1017864 | 710660 |
| 3.265 | | 17560 | 9860 |
| 3.286 | | 139303 | 94250 |
| 3.324 | | 3692 | 3397 |
| 3.409 | | 996532 | 612013 |
| 3.426 | | 480771 | 257792 |
| 3.463 | | 130817 | 76727 |
| 3.479 | | 41559 | 18234 |
| 3.496 | | 90533 | 51903 |
| 3.527 | | 1198798 | 914139 |
| 3.562 | | 7079 | 4015 |
| 3.58 | | 10556 | 6440 |
| 3.601 | | 51743 | 33465 |
| 3.639 | | 257222 | 151273 |
| 3.653 | | 131149 | 66824 |
| 3.698 | | 602676 | 331742 |
| 3.71 | | 1342092 | 664169 |
| 3.746 | | 1410523 | 1061855 |
| 3.805 | | 1156610 | 925002 |
| 3.845 | | 107474 | 75931 |
| 3.872 | | 779815 | 582306 |
| 3.899 | | 586947 | 498270 |
| 3.922 | | 193677 | 107128 |
| 3.998 | | 911339 | 642521 |
| 4.022 | | 304995 | 200599 |
| 4.053 | | 363271 | 261476 |
| 4.089 | | 858952 | 908247 |
| 4.129 | | 294962 | 245087 |
| 4.174 | | 47198 | 35467 |
| 4.213 | | 71395 | 65543 |
| 4.249 | | 859186 | 646698 |
| 4.269 | | 237173 | 134021 |
| 4.293 | | 248474 | 182938 |
| 4.36 | | 144266 | 127740 |
| 4.403 | | 878064 | 810862 |
| 4.437 | | 38845 | 27114 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.5 | | 13767 | 11641 |
| 4.542 | | 126238 | 130071 |
| 4.597 | | 83132 | 61755 |
| 4.612 | | 194527 | 129337 |
| 4.658 | | 543974 | 500918 |
| 4.704 | | 820885 | 913323 |
| 4.741 | | 204636 | 155685 |
| 4.781 | | 1807916 | 1676478 |
| 4.823 | | 23675 | 22180 |
| 4.871 | | 279323 | 321261 |
| 4.903 | | 28494 | 18062 |
| 4.929 | | 320674 | 304527 |
| 4.981 | | 1940855 | 2535220 |
| 5.031 | | 409646 | 370357 |
| 5.076 | | 1019768 | 1162846 |
| 5.117 | | 28529 | 17254 |
| 5.154 | | 212763 | 252574 |
| 5.189 | | 2376548 | 2642537 |
| 5.252 | | 1111853 | 1053981 |
| 5.296 | | 738714 | 752905 |
| 5.418 | | 1491473 | 2084047 |
| 5.476 | | 685388 | 636577 |
| 5.516 | | 361395 | 325960 |
| 5.556 | | 105225 | 101442 |
| 5.6 | | 481944 | 496305 |
| 5.656 | | 3264300 | 3599434 |
| 5.863 | | 1834981 | 1889904 |
| 5.915 | | 519739 | 992145 |
| 6.048 | | 97357 | 102913 |
| 6.113 | | 78541 | 62573 |
| 6.136 | | 325977 | 302871 |
| 6.294 | | 773774 | 850880 |
| 6.339 | | 55929 | 51968 |
| 6.495 | | 248838 | 290877 |
| 6.642 | DCB | 3703575 | 4158914 |

LANCASTER LABORATORIES

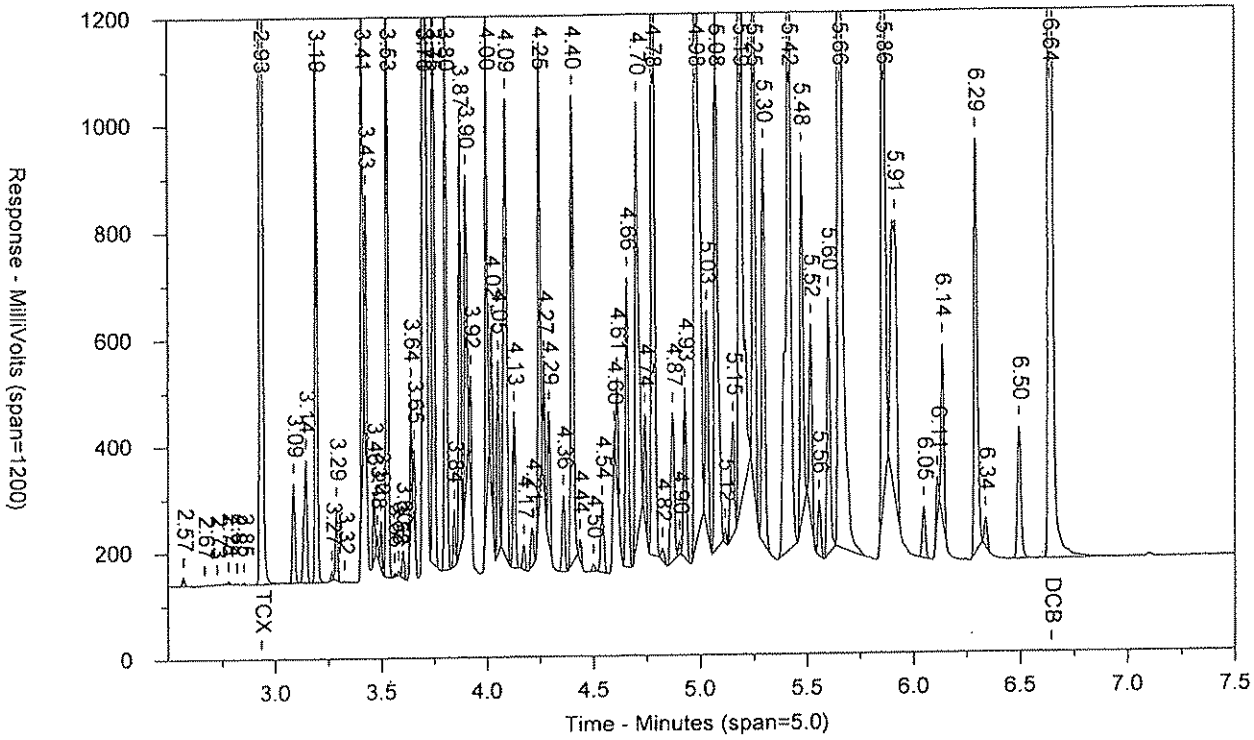
Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 22507 | 17187 |
| 2.136 | | 2266 | 2308 |
| 2.184 | | 1475 | 846 |
| 2.221 | | 2048 | 3394 |
| 2.289 | | 21603 | 15312 |
| 2.351 | | 2575 | 2532 |
| 2.465 | | 960 | 1725 |
| 2.484 | | 1724 | 1561 |
| 2.519 | | 1676 | 1527 |
| 2.536 | | 8911 | 5318 |
| 2.56 | | 4908 | 2925 |
| 2.601 | TCX | 14995870 | 8740978 |
| 2.646 | | 146920 | 101352 |
| 2.773 | | 353508 | 233657 |
| 2.818 | | 132547 | 61037 |
| 2.833 | | 335501 | 179243 |
| 2.886 | | 1863982 | 1105283 |
| 2.934 | | 31635 | 17702 |
| 2.996 | | 242249 | 146120 |
| 3.093 | | 2359185 | 2214437 |
| 3.144 | | 283212 | 168955 |
| 3.165 | | 131150 | 70514 |
| 3.191 | | 187139 | 101436 |
| 3.215 | | 2355779 | 1482657 |
| 3.252 | | 82486 | 47465 |
| 3.279 | | 15754 | 7538 |
| 3.298 | | 612090 | 311831 |
| 3.314 | | 358031 | 166291 |
| 3.34 | | 3488 | 1556 |
| 3.374 | | 4842649 | 4726868 |
| 3.408 | | 2512375 | 1844827 |
| 3.483 | | 2666585 | 1565795 |
| 3.518 | | 1750171 | 1066382 |
| 3.542 | | 2017310 | 1072005 |
| 3.56 | | 629108 | 315332 |
| 3.646 | | 2178382 | 1392062 |
| 3.669 | | 824909 | 441115 |
| 3.69 | | 789316 | 448289 |
| 3.719 | | 566317 | 289695 |
| 3.736 | | 1884364 | 1078197 |
| 3.777 | | 664190 | 438576 |
| 3.823 | | 96059 | 87201 |
| 3.844 | | 459882 | 275533 |
| 3.866 | | 2450024 | 1541390 |
| 3.891 | | 496543 | 289860 |
| 3.911 | | 89757 | 42261 |
| 3.931 | | 278789 | 171337 |
| 3.965 | | 1941634 | 1261675 |
| 3.999 | | 125660 | 73235 |
| 4.014 | | 165300 | 94996 |
| 4.058 | | 6887 | 3928 |
| 4.075 | | 17644 | 11313 |
| 4.108 | | 170861 | 182108 |
| 4.165 | | 542182 | 369099 |

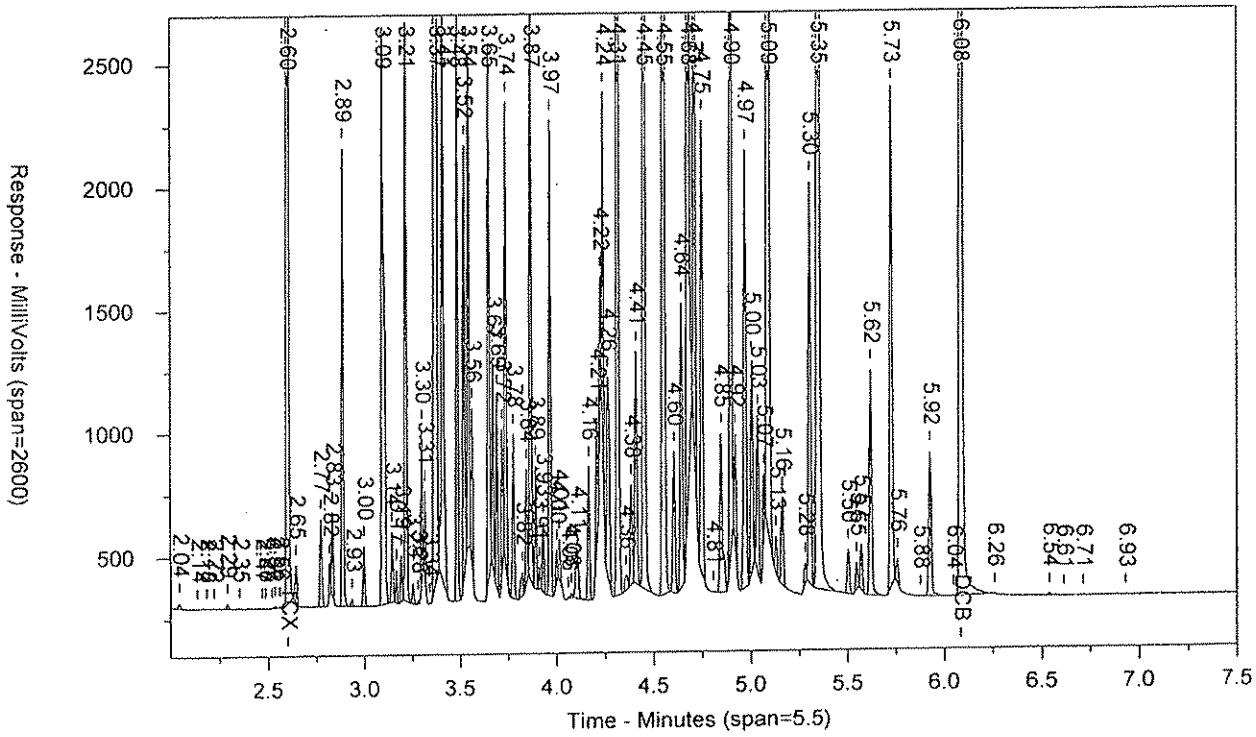
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.207 | | 511890 | 302581 |
| 4.224 | | 594829 | 272461 |
| 4.238 | | 1426832 | 782277 |
| 4.264 | | 808156 | 781491 |
| 4.314 | | 4692886 | 3323250 |
| 4.357 | | 60130 | 61721 |
| 4.383 | | 403450 | 261377 |
| 4.408 | | 944188 | 680685 |
| 4.45 | | 5312826 | 3926137 |
| 4.551 | | 4542856 | 4027220 |
| 4.604 | | 570483 | 458371 |
| 4.642 | | 1159221 | 960309 |
| 4.677 | | 5503696 | 4476325 |
| 4.71 | | 2757428 | 1887045 |
| 4.747 | | 1843150 | 1375640 |
| 4.805 | | 4872 | 5331 |
| 4.845 | | 644951 | 604598 |
| 4.896 | | 3609876 | 2688569 |
| 4.919 | | 444004 | 277708 |
| 4.97 | | 1780102 | 1519460 |
| 5.004 | | 856382 | 655332 |
| 5.034 | | 630859 | 504379 |
| 5.066 | | 235927 | 142582 |
| 5.088 | | 7995832 | 6513520 |
| 5.129 | | 142189 | 98549 |
| 5.161 | | 353731 | 287395 |
| 5.279 | | 84317 | 54063 |
| 5.303 | | 1634911 | 1289980 |
| 5.347 | | 5435908 | 5678534 |
| 5.503 | | 179194 | 152412 |
| 5.547 | | 108979 | 77728 |
| 5.571 | | 181291 | 136931 |
| 5.619 | | 917059 | 778942 |
| 5.725 | | 2042951 | 1663063 |
| 5.756 | | 98252 | 68529 |
| 5.875 | | 2126 | 2192 |
| 5.925 | | 586076 | 514778 |
| 6.045 | | 1857 | 2088 |
| 6.084 | DCB | 11439050 | 9779439 |
| 6.257 | | 3715 | 3026 |
| 6.538 | | 9287 | 8670 |
| 6.613 | | 1407 | 1083 |
| 6.713 | | 2088 | 2906 |
| 6.933 | | 1325 | 1876 |

AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.RAW



LANCASTER LABORATORIES

Sample Number: AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:34:32 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

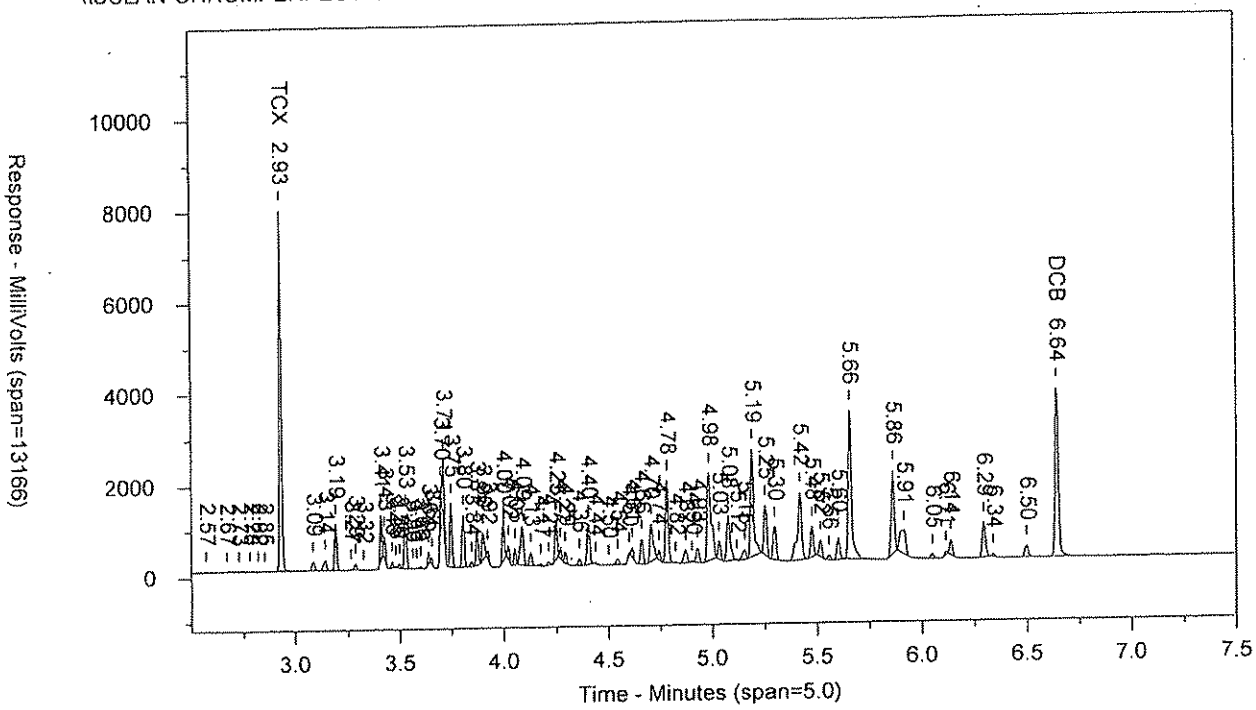
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 7926535 | 58.587 | TCX | 2.601 | 14995870 | 61.055 | TCX |
| 6.642 | 3703575 | 55.407 | DCB | 6.084 | 11439050 | 60.13 | DCB |

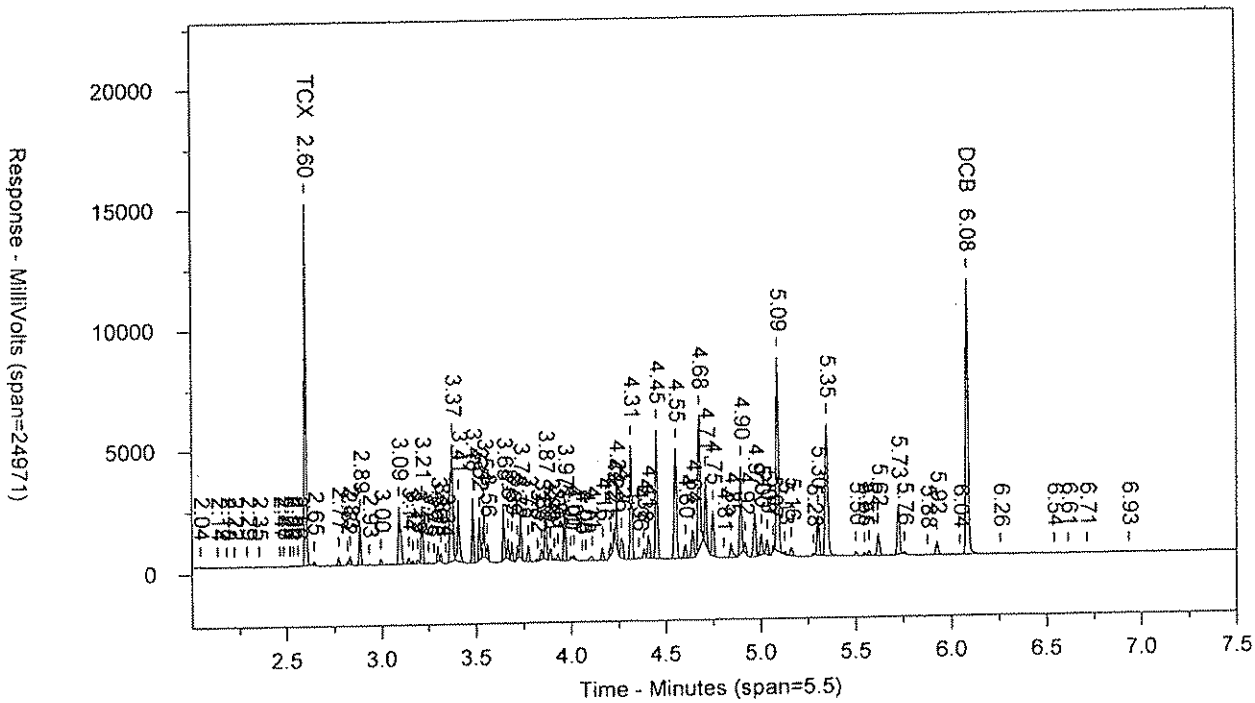
Files:
Area File: 25pcbs16207001.0010.RAW
Area File: 25pcbs16207001B.0010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:43:05 PM
File Reported On: 7/25/2016 at 9:47:58 PM

AR1641624B AAAR164AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0010.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0010.RAW



LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.036 | | 1343 | 2548 |
| 2.092 | | 7418 | 14406 |
| 2.16 | | 2180 | 3862 |
| 2.223 | | 53999 | 40621 |
| 2.315 | | 10032 | 5899 |
| 2.334 | | 19956 | 13091 |
| 2.379 | | 1525 | 1550 |
| 2.419 | | 5922 | 6161 |
| 2.571 | | 30311 | 22081 |
| 2.67 | | 1007 | 984 |
| 2.726 | | 1243 | 754 |
| 2.78 | | 6055 | 6915 |
| 2.819 | | 4302 | 3489 |
| 2.851 | | 7443 | 5821 |
| 2.931 | TCX | 10683310 | 7079775 |
| 3.034 | | 1774 | 1081 |
| 3.086 | | 342152 | 298212 |
| 3.143 | | 420657 | 379208 |
| 3.192 | | 1908158 | 1342413 |
| 3.265 | | 20184 | 11314 |
| 3.286 | | 247059 | 172501 |
| 3.325 | | 7231 | 4873 |
| 3.409 | | 1973375 | 1179249 |
| 3.426 | | 937882 | 493728 |
| 3.463 | | 228918 | 138667 |
| 3.479 | | 73332 | 31970 |
| 3.496 | | 152077 | 90912 |
| 3.526 | | 2351283 | 1741116 |
| 3.561 | | 13026 | 6929 |
| 3.579 | | 14747 | 8740 |
| 3.601 | | 94716 | 64802 |
| 3.638 | | 683940 | 802101 |
| 3.698 | | 1340137 | 693636 |
| 3.709 | | 2604249 | 1283670 |
| 3.745 | | 2772389 | 2067521 |
| 3.805 | | 2383597 | 1807003 |
| 3.844 | | 192607 | 135812 |
| 3.871 | | 1544271 | 1115537 |
| 3.899 | | 1124307 | 960244 |
| 3.921 | | 348906 | 187921 |
| 3.997 | | 1764973 | 1261953 |
| 4.021 | | 586979 | 369601 |
| 4.052 | | 661752 | 481303 |
| 4.088 | | 1699404 | 1747778 |
| 4.128 | | 550104 | 453870 |
| 4.174 | | 92843 | 74014 |
| 4.213 | | 115146 | 108242 |
| 4.248 | | 1800603 | 1288314 |
| 4.268 | | 419164 | 248500 |
| 4.292 | | 455476 | 342841 |
| 4.359 | | 256195 | 233544 |
| 4.403 | | 1698205 | 1554752 |
| 4.437 | | 67436 | 45262 |
| 4.5 | | 25155 | 21477 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.541 | | 207893 | 216508 |
| 4.597 | | 151242 | 107031 |
| 4.611 | | 363065 | 232922 |
| 4.658 | | 1050086 | 956841 |
| 4.703 | | 1598835 | 1776653 |
| 4.741 | | 399557 | 293249 |
| 4.781 | | 3724133 | 3346062 |
| 4.822 | | 37097 | 37181 |
| 4.871 | | 516667 | 600523 |
| 4.902 | | 47764 | 29521 |
| 4.928 | | 625714 | 564562 |
| 4.981 | | 3985464 | 5114708 |
| 5.031 | | 777057 | 702672 |
| 5.075 | | 2061509 | 2309738 |
| 5.117 | | 50328 | 29172 |
| 5.154 | | 396703 | 466950 |
| 5.19 | | 4997319 | 5472330 |
| 5.252 | | 2388969 | 2145688 |
| 5.296 | | 1537151 | 1465911 |
| 5.397 | | 76934 | 180816 |
| 5.417 | | 2570826 | 2311266 |
| 5.476 | | 1305817 | 1249038 |
| 5.515 | | 699477 | 614115 |
| 5.556 | | 175271 | 176803 |
| 5.6 | | 940780 | 960080 |
| 5.656 | | 6741890 | 7300633 |
| 5.862 | | 3729614 | 3888599 |
| 5.903 | | 998416 | 1961913 |
| 6.048 | | 142131 | 150148 |
| 6.113 | | 114150 | 90535 |
| 6.136 | | 629419 | 587423 |
| 6.294 | | 1573960 | 1621513 |
| 6.338 | | 105248 | 97975 |
| 6.495 | | 456080 | 505991 |
| 6.591 | | 1291 | 1012 |
| 6.642 | DCB | 5042495 | 5471349 |

LANCASTER LABORATORIES

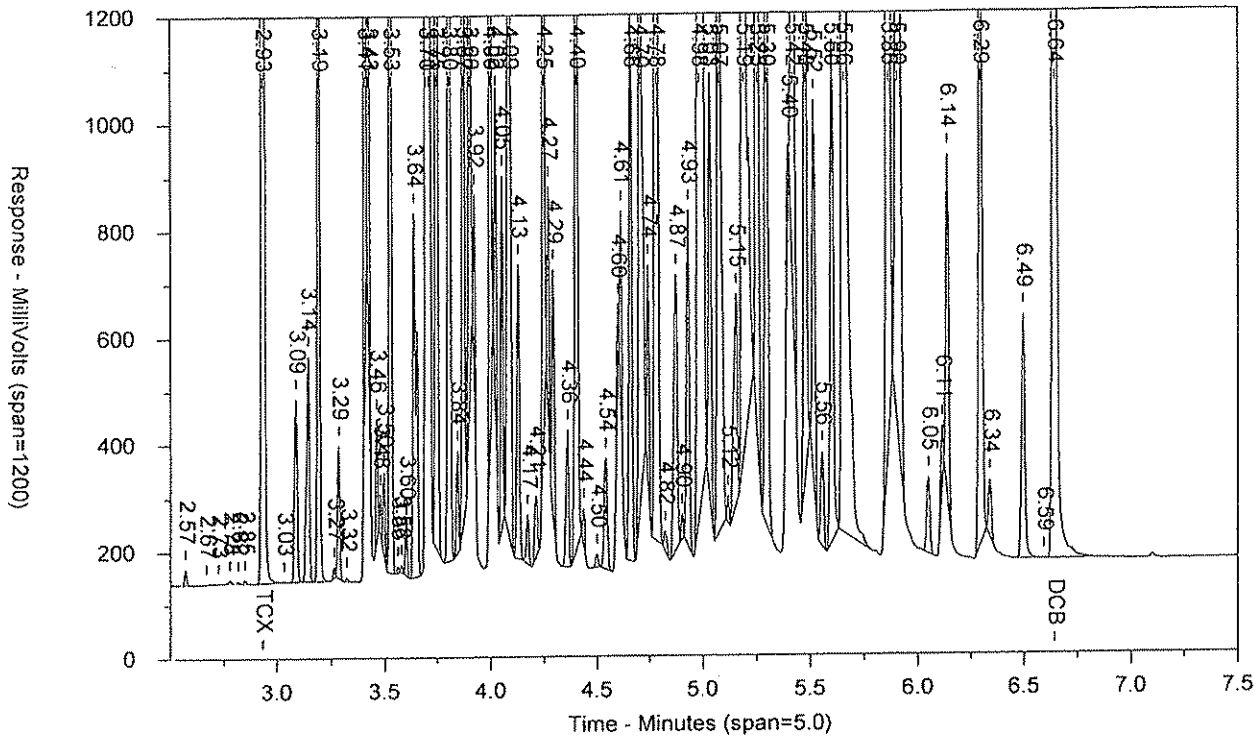
Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.045 | | 28492 | 22538 |
| 2.136 | | 2650 | 3659 |
| 2.187 | | 2766 | 2931 |
| 2.226 | | 2055 | 3148 |
| 2.289 | | 41463 | 28719 |
| 2.35 | | 2557 | 2224 |
| 2.401 | | 1352 | 1468 |
| 2.484 | | 1302 | 1335 |
| 2.519 | | 2794 | 1869 |
| 2.536 | | 10395 | 6020 |
| 2.56 | | 9124 | 5047 |
| 2.601 | TCX | 19918110 | 11577730 |
| 2.646 | | 274185 | 196304 |
| 2.773 | | 681526 | 442496 |
| 2.818 | | 157987 | 72495 |
| 2.833 | | 631651 | 350086 |
| 2.886 | | 3538536 | 2115646 |
| 2.934 | | 40214 | 22466 |
| 2.996 | | 457241 | 279188 |
| 3.092 | | 4519374 | 4254479 |
| 3.144 | | 553108 | 325587 |
| 3.165 | | 252988 | 137393 |
| 3.191 | | 354265 | 192436 |
| 3.214 | | 4540597 | 2886867 |
| 3.251 | | 163936 | 91810 |
| 3.278 | | 16699 | 7778 |
| 3.298 | | 1171228 | 611551 |
| 3.313 | | 691743 | 322047 |
| 3.339 | | 6633 | 3072 |
| 3.364 | | 2471431 | 1253072 |
| 3.373 | | 5693026 | 2446454 |
| 3.407 | | 5017617 | 3627878 |
| 3.482 | | 5286985 | 3143029 |
| 3.518 | | 3597646 | 2114749 |
| 3.541 | | 4004133 | 2143297 |
| 3.559 | | 1307263 | 631035 |
| 3.645 | | 4420697 | 2749119 |
| 3.668 | | 1642967 | 868092 |
| 3.689 | | 1551197 | 876768 |
| 3.718 | | 1104829 | 560047 |
| 3.735 | | 3810314 | 2172727 |
| 3.776 | | 1250641 | 861382 |
| 3.822 | | 181031 | 164193 |
| 3.843 | | 933746 | 550059 |
| 3.865 | | 5107289 | 3111400 |
| 3.891 | | 979285 | 580975 |
| 3.911 | | 159362 | 80406 |
| 3.93 | | 527731 | 319548 |
| 3.965 | | 3942649 | 2550791 |
| 3.998 | | 238490 | 137503 |
| 4.013 | | 315598 | 182593 |
| 4.057 | | 10050 | 5043 |
| 4.074 | | 32734 | 21766 |
| 4.107 | | 305926 | 323537 |

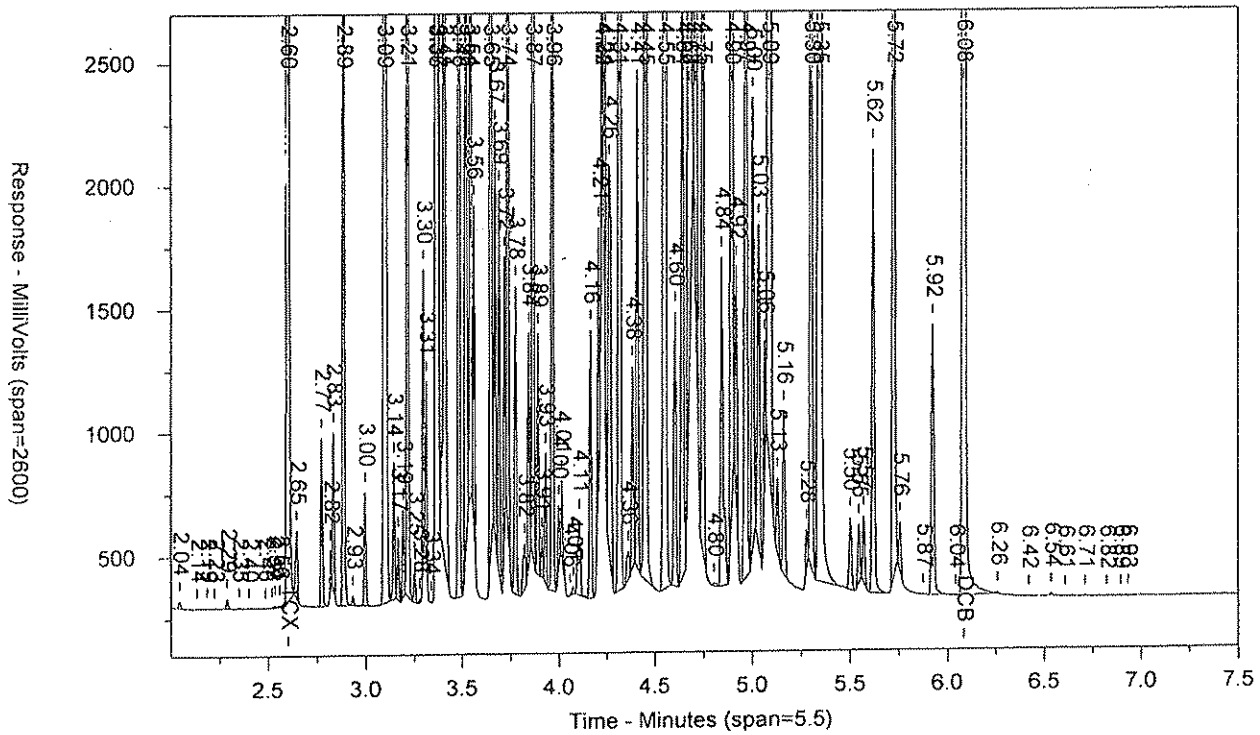
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.164 | | 1090835 | 729739 |
| 4.206 | | 1055179 | 580062 |
| 4.223 | | 1108954 | 517977 |
| 4.237 | | 3193263 | 1690419 |
| 4.263 | | 1572607 | 1579096 |
| 4.314 | | 9538450 | 6777001 |
| 4.36 | | 112260 | 114952 |
| 4.382 | | 816332 | 527405 |
| 4.406 | | 2023125 | 1375205 |
| 4.448 | | 11165600 | 8128668 |
| 4.55 | | 9185713 | 8321480 |
| 4.603 | | 1112497 | 905919 |
| 4.641 | | 2361790 | 1949124 |
| 4.676 | | 11648760 | 9302951 |
| 4.709 | | 5737056 | 3859847 |
| 4.746 | | 4007703 | 2886494 |
| 4.805 | | 13373 | 14487 |
| 4.844 | | 1336238 | 1246730 |
| 4.895 | | 7431989 | 5610496 |
| 4.919 | | 915924 | 563661 |
| 4.969 | | 3694734 | 3136754 |
| 5.003 | | 1834292 | 1367941 |
| 5.033 | | 1308897 | 1047505 |
| 5.065 | | 522714 | 311450 |
| 5.087 | | 17733230 | 13859520 |
| 5.128 | | 304670 | 215918 |
| 5.161 | | 663219 | 527433 |
| 5.278 | | 154704 | 106660 |
| 5.302 | | 3337806 | 2667807 |
| 5.346 | | 11286940 | 11863970 |
| 5.502 | | 294510 | 242707 |
| 5.546 | | 239434 | 175778 |
| 5.57 | | 268583 | 198707 |
| 5.618 | | 1802186 | 1579197 |
| 5.725 | | 4394949 | 3467559 |
| 5.755 | | 193351 | 140653 |
| 5.875 | | 2860 | 2610 |
| 5.924 | | 1101245 | 968163 |
| 6.042 | | 1945 | 1694 |
| 6.084 | DCB | 15370220 | 13118180 |
| 6.258 | | 7869 | 6109 |
| 6.422 | | 2445 | 3383 |
| 6.537 | | 12487 | 11005 |
| 6.608 | | 1894 | 1922 |
| 6.711 | | 3160 | 3373 |
| 6.823 | | 1047 | 1021 |
| 6.894 | | 1830 | 3475 |
| 6.931 | | 2604 | 2704 |

AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.RAW



LANCASTER LABORATORIES

Sample Number: AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:46:16 PM
Instrument ID: CP25-18274
Sample Weight: 1
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: 4
Calibration Type: external
Quantitation: Height

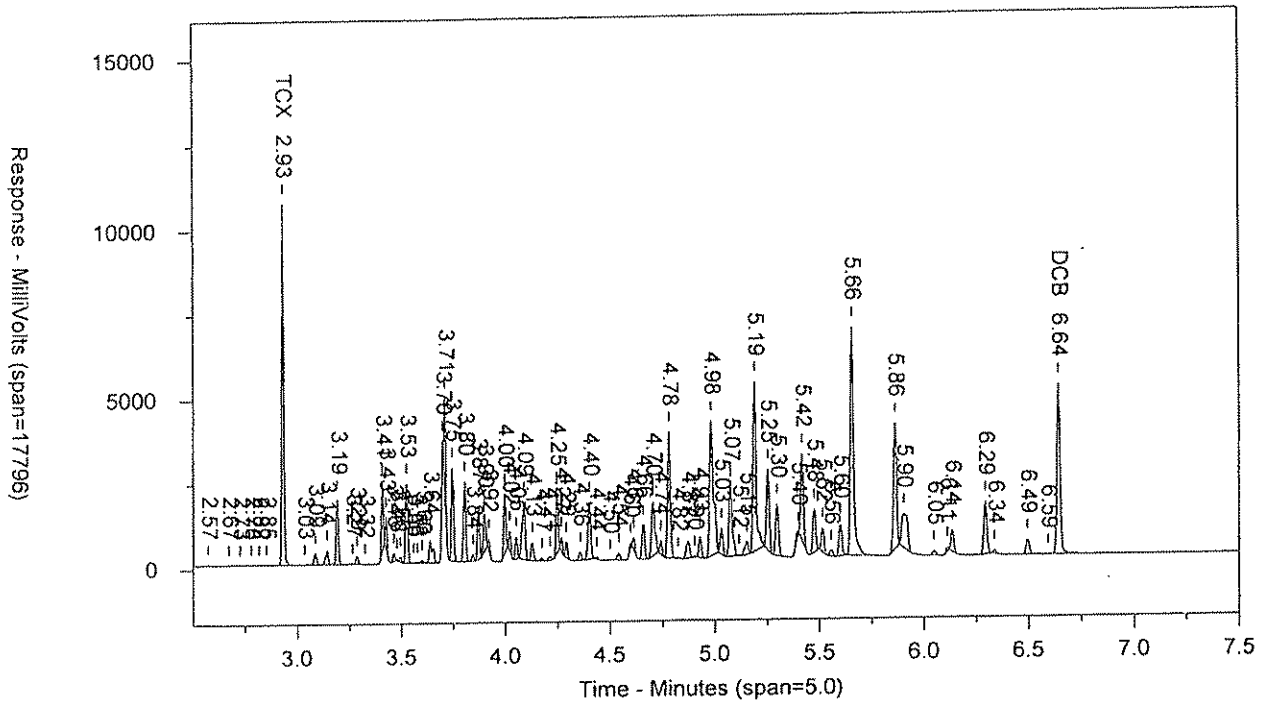
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 10683310 | 78.963 | TCX | 2.601 | 19918110 | 81.096 | TCX |
| 6.642 | 5042495 | 75.438 | DCB | 6.084 | 15370220 | 80.795 | DCB |

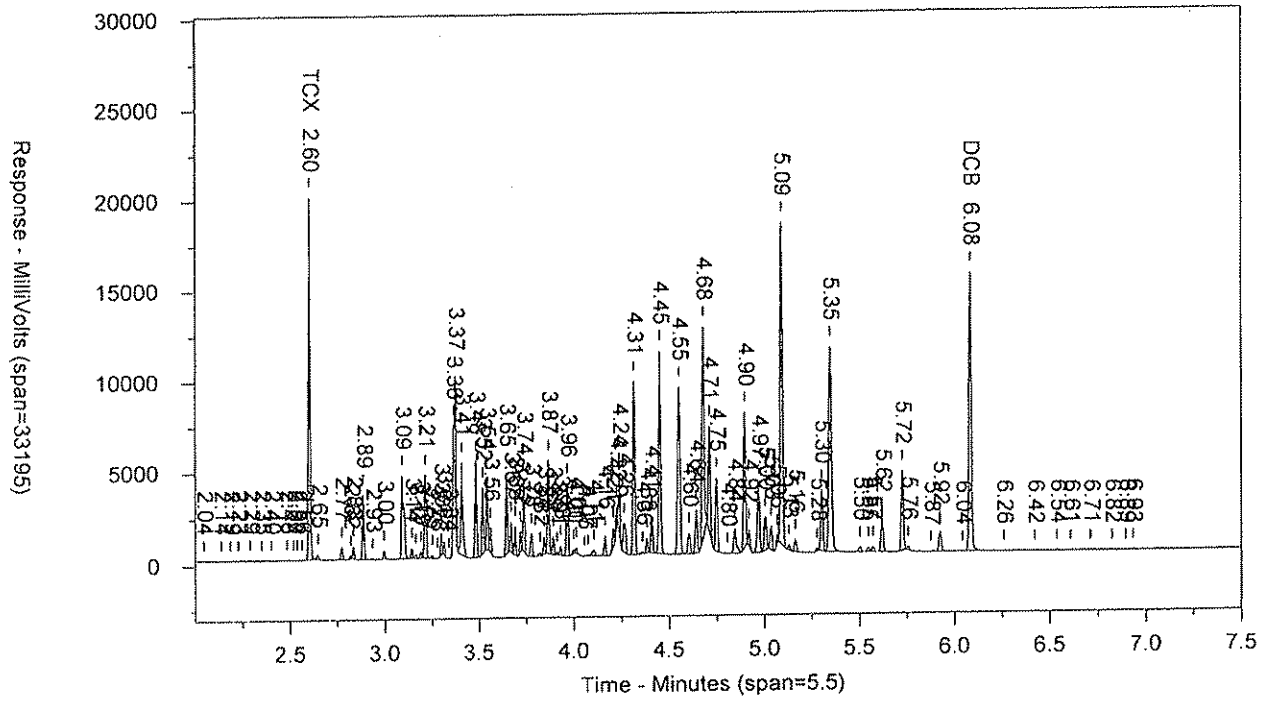
Files:
Area File: 25pcbs16207001.0011.RAW
Area File: 25pcbs16207001B.0011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 6:54:46 PM
File Reported On: 7/25/2016 at 9:48:10 PM

AR1651624B AAAR165AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0011.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0011.RAW



LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.091 | | 11739 | 17436 |
| 2.222 | | 3245 | 3551 |
| 2.315 | | 23803 | 17493 |
| 2.379 | | 1520 | 1501 |
| 2.418 | | 7304 | 6319 |
| 2.494 | | 1202 | 907 |
| 2.521 | | 1735 | 1229 |
| 2.575 | | 1848 | 3766 |
| 2.671 | | 1577 | 1833 |
| 2.78 | | 25759 | 25867 |
| 2.821 | | 5661 | 4364 |
| 2.932 | TCX | 567374 | 400872 |
| 3.086 | | 5498 | 6210 |
| 3.134 | | 9138 | 8986 |
| 3.192 | | 30015 | 24787 |
| 3.266 | | 1374 | 811 |
| 3.287 | | 5452 | 4095 |
| 3.409 | | 74371 | 45649 |
| 3.427 | | 23012 | 11876 |
| 3.464 | | 5909 | 4802 |
| 3.527 | | 77706 | 57232 |
| 3.566 | | 1680 | 2574 |
| 3.601 | | 3084 | 1953 |
| 3.639 | | 18062 | 18278 |
| 3.71 | | 151482 | 216901 |
| 3.747 | | 89430 | 68941 |
| 3.805 | | 88652 | 70562 |
| 3.845 | | 17081 | 12456 |
| 3.872 | | 150813 | 113032 |
| 3.899 | | 101203 | 83212 |
| 3.922 | | 34012 | 19280 |
| 3.998 | | 171160 | 126050 |
| 4.022 | | 53017 | 34097 |
| 4.053 | | 63336 | 45695 |
| 4.089 | | 137576 | 135529 |
| 4.129 | | 52251 | 40615 |
| 4.173 | | 7091 | 7450 |
| 4.213 | | 28767 | 28590 |
| 4.248 | | 117614 | 84709 |
| 4.269 | | 138133 | 92265 |
| 4.293 | | 148215 | 111311 |
| 4.36 | | 15984 | 15063 |
| 4.4 | | 140691 | 124528 |
| 4.422 | | 43589 | 49797 |
| 4.479 | | 2071 | 1417 |
| 4.502 | | 12431 | 10432 |
| 4.543 | | 46217 | 40049 |
| 4.596 | | 66579 | 58510 |
| 4.628 | | 37534 | 27863 |
| 4.658 | | 108874 | 96133 |
| 4.702 | | 2743 | 2764 |
| 4.744 | | 40872 | 36503 |
| 4.782 | | 11249 | 12816 |
| 4.832 | | 8632 | 7877 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.873 | | 64205 | 64225 |
| 4.93 | | 1173 | 740 |
| 4.955 | | 4315 | 3741 |
| 4.982 | | 6590 | 4836 |
| 4.999 | | 4979 | 3387 |
| 5.031 | | 1190 | 887. |
| 5.074 | | 63470 | 64839 |
| 5.116 | | 1359 | 852 |
| 5.145 | | 3393 | 3926 |
| 5.192 | | 23398 | 29757 |
| 5.252 | | 3168 | 2445 |
| 5.295 | | 2647 | 2679 |
| 5.4 | | 7437 | 13662 |
| 5.476 | | 2468 | 2756 |
| 5.524 | | 2300 | 3125 |
| 5.601 | | 4038 | 4167 |
| 5.657 | | 7158 | 5976 |
| 5.835 | | 817 | 820 |
| 5.862 | | 5592 | 5791 |
| 5.916 | | 2588 | 5421 |
| 5.999 | | 786 | 959 |
| 6.048 | | 5365 | 6434 |
| 6.115 | | 7674 | 11360 |
| 6.294 | | 2702 | 2994 |
| 6.384 | | 817 | 1532 |
| 6.493 | | 5169 | 6544 |
| 6.641 | DCB | 342678 | 398391 |
| 6.942 | | 1204 | 1829 |

LANCASTER LABORATORIES

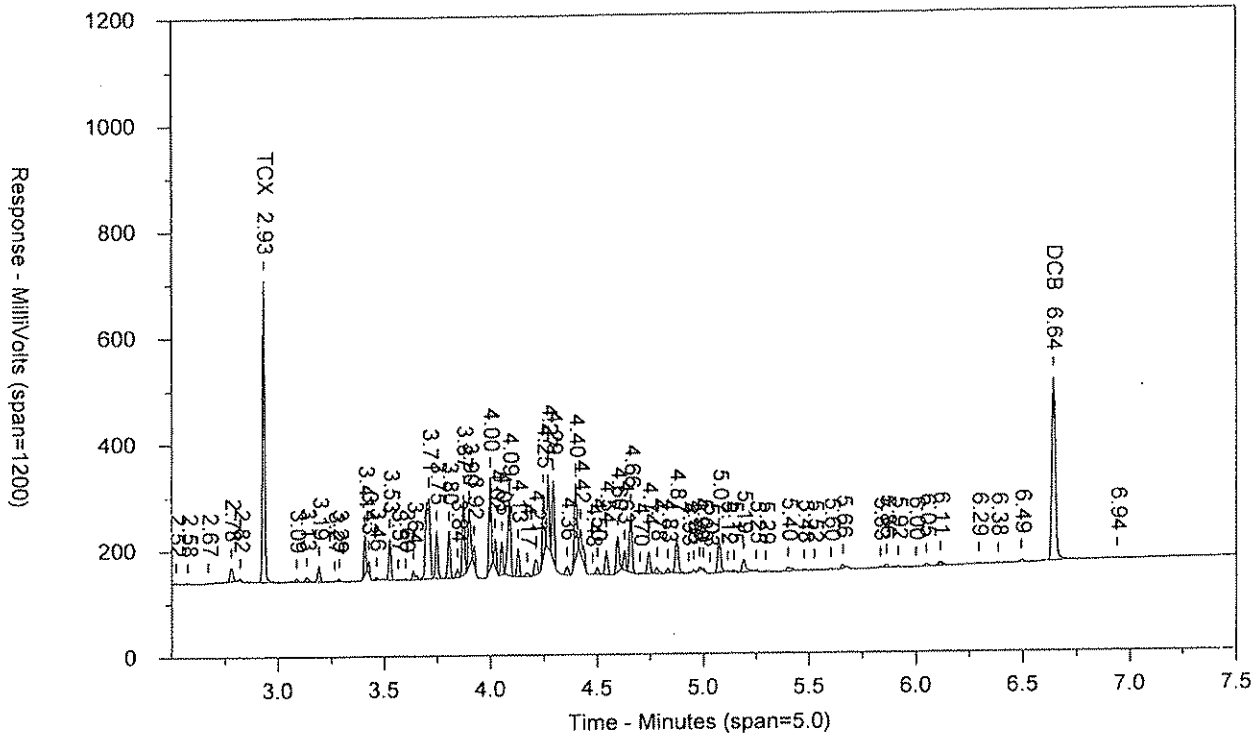
Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.043 | | 2035 | 2269 |
| 2.15 | | 2172 | 2259 |
| 2.184 | | 3780 | 3365 |
| 2.227 | | 2584 | 3009 |
| 2.264 | | 2714 | 2329 |
| 2.344 | | 1751 | 4887 |
| 2.486 | | 1288 | 600 |
| 2.52 | | 3927 | 1646 |
| 2.536 | | 67784 | 61071 |
| 2.601 | TCX | 972179 | 572297 |
| 2.691 | | 2247 | 4206 |
| 2.774 | | 9536 | 6295 |
| 2.819 | | 11427 | 5971 |
| 2.834 | | 7892 | 4351 |
| 2.886 | | 43158 | 26170 |
| 2.933 | | 1816 | 1044 |
| 2.997 | | 8070 | 5503 |
| 3.093 | | 145481 | 124152 |
| 3.145 | | 8911 | 4989 |
| 3.168 | | 3146 | 2710 |
| 3.191 | | 3044 | 1526 |
| 3.215 | | 113435 | 72354 |
| 3.252 | | 4708 | 2868 |
| 3.299 | | 25269 | 12757 |
| 3.316 | | 19903 | 10706 |
| 3.375 | | 247016 | 276632 |
| 3.395 | | 23430 | 9909 |
| 3.408 | | 115629 | 64899 |
| 3.483 | | 169260 | 99710 |
| 3.519 | | 290763 | 175745 |
| 3.542 | | 262605 | 147253 |
| 3.56 | | 87525 | 44370 |
| 3.646 | | 346761 | 214222 |
| 3.669 | | 111434 | 59434 |
| 3.69 | | 107980 | 61138 |
| 3.719 | | 54772 | 27306 |
| 3.736 | | 241820 | 142720 |
| 3.776 | | 94119 | 61428 |
| 3.823 | | 16935 | 13389 |
| 3.844 | | 185869 | 110691 |
| 3.867 | | 453692 | 283748 |
| 3.892 | | 307008 | 186410 |
| 3.912 | | 21856 | 10010 |
| 3.93 | | 47265 | 29799 |
| 3.966 | | 131311 | 84752 |
| 4 | | 233422 | 168551 |
| 4.027 | | 108893 | 58839 |
| 4.058 | | 3921 | 2053 |
| 4.074 | | 14242 | 8582 |
| 4.109 | | 78765 | 56680 |
| 4.165 | | 134692 | 95934 |
| 4.197 | | 77299 | 53935 |
| 4.225 | | 211887 | 145326 |
| 4.263 | | 4035 | 3532 |

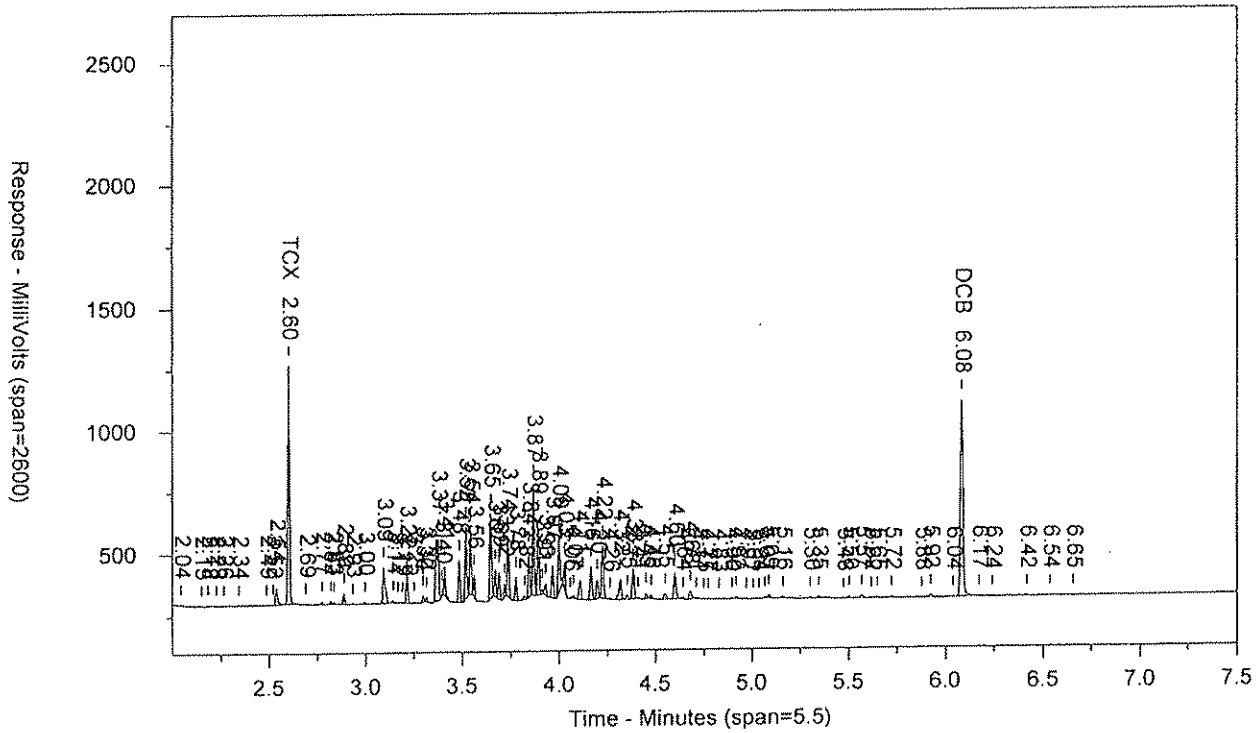
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.317 | | 82975 | 74085 |
| 4.352 | | 18102 | 13105 |
| 4.384 | | 120525 | 86487 |
| 4.407 | | 5188 | 2676 |
| 4.45 | | 20030 | 13095 |
| 4.475 | | 12663 | 8811 |
| 4.549 | | 21661 | 21942 |
| 4.599 | | 105774 | 84062 |
| 4.64 | | 7777 | 7940 |
| 4.678 | | 34368 | 29825 |
| 4.71 | | 4107 | 4127 |
| 4.748 | | 2915 | 1828 |
| 4.771 | | 2423 | 2362 |
| 4.829 | | 1659 | 2112 |
| 4.896 | | 6171 | 4490 |
| 4.919 | | 9854 | 7320 |
| 4.971 | | 2792 | 2204 |
| 5.006 | | 1411 | 1025 |
| 5.038 | | 2351 | 2440 |
| 5.068 | | 3904 | 2733 |
| 5.088 | | 11171 | 8574 |
| 5.161 | | 8105 | 7486 |
| 5.303 | | 6395 | 5682 |
| 5.348 | | 8782 | 10098 |
| 5.475 | | 1449 | 1128 |
| 5.504 | | 8302 | 6864 |
| 5.571 | | 11562 | 11649 |
| 5.618 | | 2602 | 2179 |
| 5.649 | | 3807 | 4226 |
| 5.724 | | 5515 | 6086 |
| 5.878 | | 1432 | 1508 |
| 5.923 | | 10003 | 13074 |
| 6.039 | | 1503 | 1858 |
| 6.084 | DCB | 800999 | 717524 |
| 6.174 | | 2577 | 3247 |
| 6.242 | | 1241 | 1874 |
| 6.417 | | 1928 | 3782 |
| 6.536 | | 1054 | 848 |
| 6.655 | | 1044 | 963 |

AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0012.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0012.RAW



LANCASTER LABORATORIES

Sample Number: AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 6:57:59 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

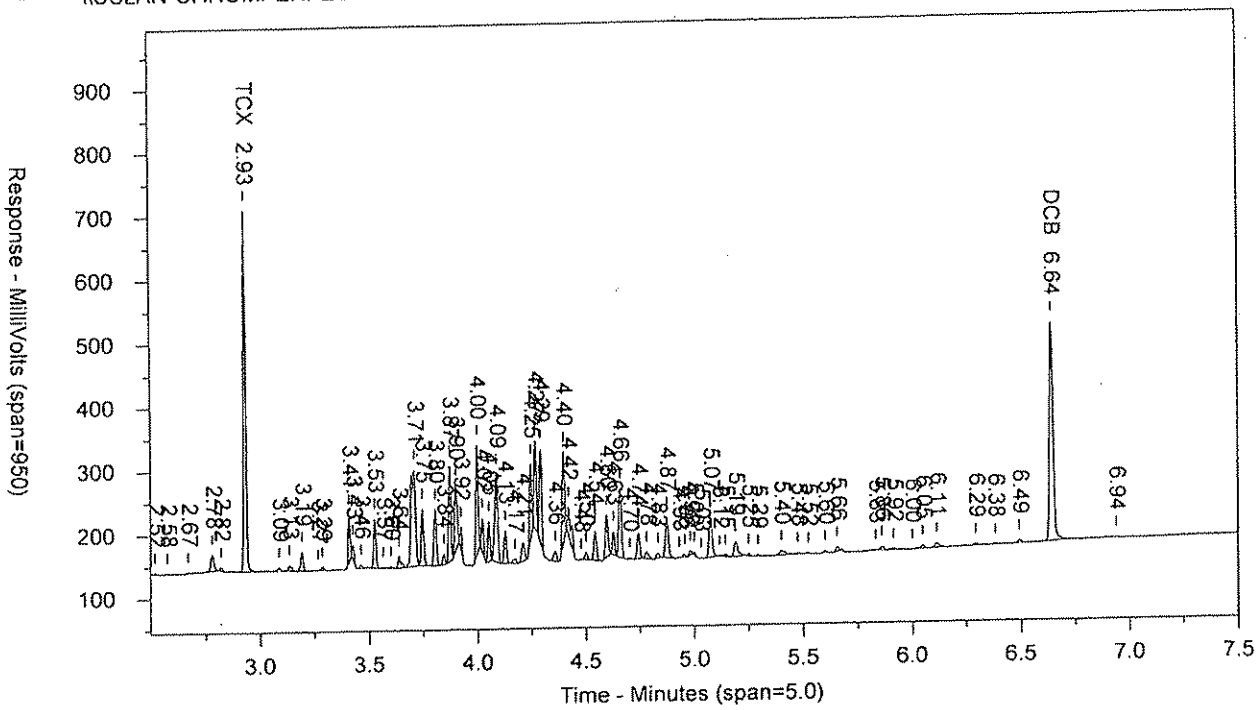
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 567374 | 4.194 | TCX | 2.601 | 972179 | 3.958 | TCX |
| 6.641 | 342678 | 5.127 | DCB | 6.084 | 800999 | 4.211 | DCB |

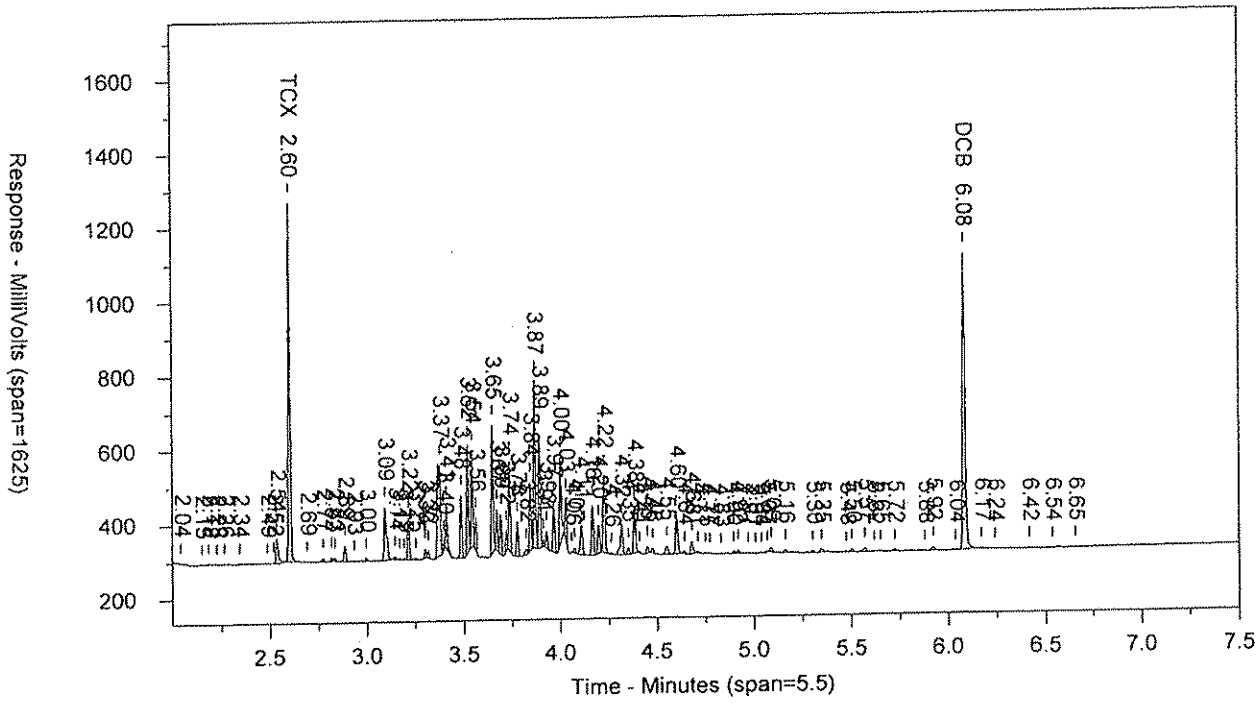
Files:
Area File: 25pcbs16207001.0012.RAW
Area File: 25pcbs16207001B.0012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:06:32 PM
File Reported On: 7/25/2016 at 9:48:22 PM

AR4811624A AAAR481AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0012.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0012.RAW



LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
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: 25pcbs16207001.0013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.042 | | 1562 | 3428 |
| 2.09 | | 12885 | 18562 |
| 2.194 | | 2008 | 1754 |
| 2.222 | | 14532 | 11281 |
| 2.298 | | 916 | 573 |
| 2.315 | | 9974 | 6074 |
| 2.334 | | 4742 | 2837 |
| 2.378 | | 1372 | 701 |
| 2.396 | | 1306 | 777 |
| 2.419 | | 4283 | 3277 |
| 2.494 | | 3148 | 2182 |
| 2.588 | | 2192 | 2891 |
| 2.68 | | 2354 | 2560 |
| 2.727 | | 685 | 843 |
| 2.779 | | 7577 | 9011 |
| 2.82 | | 3280 | 2616 |
| 2.857 | | 2463 | 2202 |
| 2.932 | TCX | 2720575 | 1854187 |
| 3.027 | | 2007 | 1826 |
| 3.086 | | 9000 | 7383 |
| 3.108 | | 1414 | 884 |
| 3.133 | | 39012 | 32313 |
| 3.192 | | 54858 | 41265 |
| 3.266 | | 8192 | 4876 |
| 3.287 | | 9784 | 6018 |
| 3.346 | | 2240 | 2086 |
| 3.409 | | 134094 | 84831 |
| 3.426 | | 46368 | 24391 |
| 3.464 | | 10637 | 6182 |
| 3.495 | | 4385 | 2778 |
| 3.527 | | 134733 | 101983 |
| 3.567 | | 2086 | 1553 |
| 3.602 | | 5179 | 3280 |
| 3.639 | | 35565 | 36137 |
| 3.71 | | 272684 | 394717 |
| 3.746 | | 162190 | 126442 |
| 3.781 | | 1236 | 674 |
| 3.805 | | 159834 | 132173 |
| 3.845 | | 28469 | 20394 |
| 3.872 | | 275480 | 203802 |
| 3.9 | | 178189 | 150553 |
| 3.922 | | 62880 | 35738 |
| 3.998 | | 304713 | 226657 |
| 4.022 | | 94651 | 62626 |
| 4.053 | | 116516 | 85598 |
| 4.089 | | 252322 | 248871 |
| 4.129 | | 97843 | 78515 |
| 4.175 | | 11533 | 10205 |
| 4.214 | | 44801 | 42198 |
| 4.249 | | 219207 | 153757 |
| 4.269 | | 253694 | 166516 |
| 4.293 | | 277943 | 205092 |
| 4.36 | | 31210 | 29131 |
| 4.4 | | 248408 | 222984 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.422 | | 79246 | 93763 |
| 4.478 | | 4375 | 2811 |
| 4.502 | | 19700 | 16088 |
| 4.545 | | 84948 | 77703 |
| 4.597 | | 123798 | 111441 |
| 4.629 | | 71024 | 54500 |
| 4.659 | | 193615 | 179352 |
| 4.703 | | 4635 | 4400 |
| 4.744 | | 80262 | 72504 |
| 4.781 | | 19612 | 22719 |
| 4.833 | | 18922 | 16934 |
| 4.874 | | 123954 | 130316 |
| 4.955 | | 10148 | 12545 |
| 4.982 | | 11799 | 8524 |
| 5 | | 9437 | 6509 |
| 5.033 | | 2374 | 1917 |
| 5.076 | | 125506 | 125547 |
| 5.116 | | 2367 | 1779 |
| 5.146 | | 10072 | 10638 |
| 5.192 | | 39908 | 41988 |
| 5.253 | | 5337 | 4295 |
| 5.297 | | 3576 | 3575 |
| 5.402 | | 13927 | 25839 |
| 5.476 | | 3623 | 3653 |
| 5.52 | | 2661 | 2846 |
| 5.557 | | 5226 | 4850 |
| 5.601 | | 6466 | 6151 |
| 5.658 | | 8112 | 6264 |
| 5.678 | | 13520 | 10695 |
| 5.863 | | 9986 | 12108 |
| 5.916 | | 4270 | 8243 |
| 6.049 | | 23448 | 24397 |
| 6.116 | | 29405 | 39022 |
| 6.251 | | 707 | 637 |
| 6.295 | | 5545 | 5943 |
| 6.421 | | 986 | 971 |
| 6.496 | | 20232 | 20810 |
| 6.643 | DCB | 1318232 | 1554321 |

LANCASTER LABORATORIES

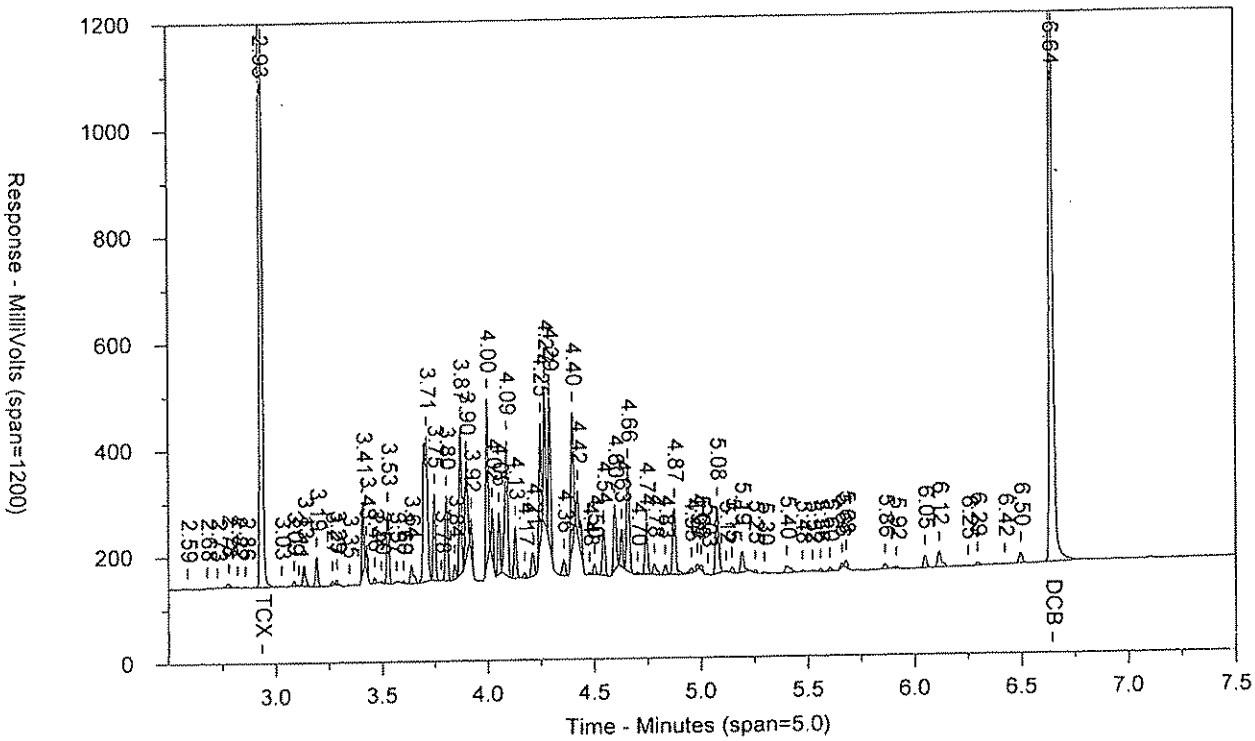
Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 7090 | 4824 |
| 2.079 | | 2741 | 1458 |
| 2.145 | | 1771 | 2348 |
| 2.186 | | 5758 | 4180 |
| 2.222 | | 2168 | 1825 |
| 2.288 | | 5203 | 4047 |
| 2.346 | | 2604 | 2789 |
| 2.389 | | 4030 | 4096 |
| 2.488 | | 5666 | 3549 |
| 2.519 | | 1978 | 1672 |
| 2.536 | | 14451 | 11633 |
| 2.602 | TCX | 5016663 | 2935458 |
| 2.681 | | 5462 | 6612 |
| 2.757 | | 1513 | 686 |
| 2.774 | | 21459 | 14300 |
| 2.819 | | 61581 | 44896 |
| 2.864 | | 3815 | 2322 |
| 2.886 | | 80267 | 47202 |
| 2.934 | | 10227 | 5535 |
| 2.954 | | 4390 | 2632 |
| 2.997 | | 17253 | 10617 |
| 3.042 | | 5185 | 4539 |
| 3.093 | | 273971 | 230929 |
| 3.144 | | 17915 | 9466 |
| 3.166 | | 6786 | 4507 |
| 3.191 | | 6830 | 3429 |
| 3.215 | | 226302 | 143475 |
| 3.252 | | 8011 | 4715 |
| 3.278 | | 4082 | 1468 |
| 3.299 | | 50189 | 26519 |
| 3.315 | | 28144 | 14446 |
| 3.375 | | 484925 | 540291 |
| 3.394 | | 46011 | 18357 |
| 3.408 | | 220747 | 129785 |
| 3.454 | | 3187 | 1854 |
| 3.483 | | 317943 | 194248 |
| 3.518 | | 562155 | 341327 |
| 3.542 | | 518029 | 285770 |
| 3.56 | | 175027 | 87625 |
| 3.61 | | 5033 | 4122 |
| 3.646 | | 696200 | 420714 |
| 3.669 | | 215070 | 116921 |
| 3.69 | | 210670 | 121926 |
| 3.719 | | 111793 | 55593 |
| 3.736 | | 496524 | 279677 |
| 3.776 | | 181233 | 122720 |
| 3.823 | | 31394 | 27087 |
| 3.844 | | 377735 | 223271 |
| 3.867 | | 921207 | 566751 |
| 3.892 | | 664269 | 375835 |
| 3.911 | | 53829 | 24572 |
| 3.93 | | 70391 | 40952 |
| 3.966 | | 264845 | 167392 |
| 3.999 | | 461559 | 342321 |

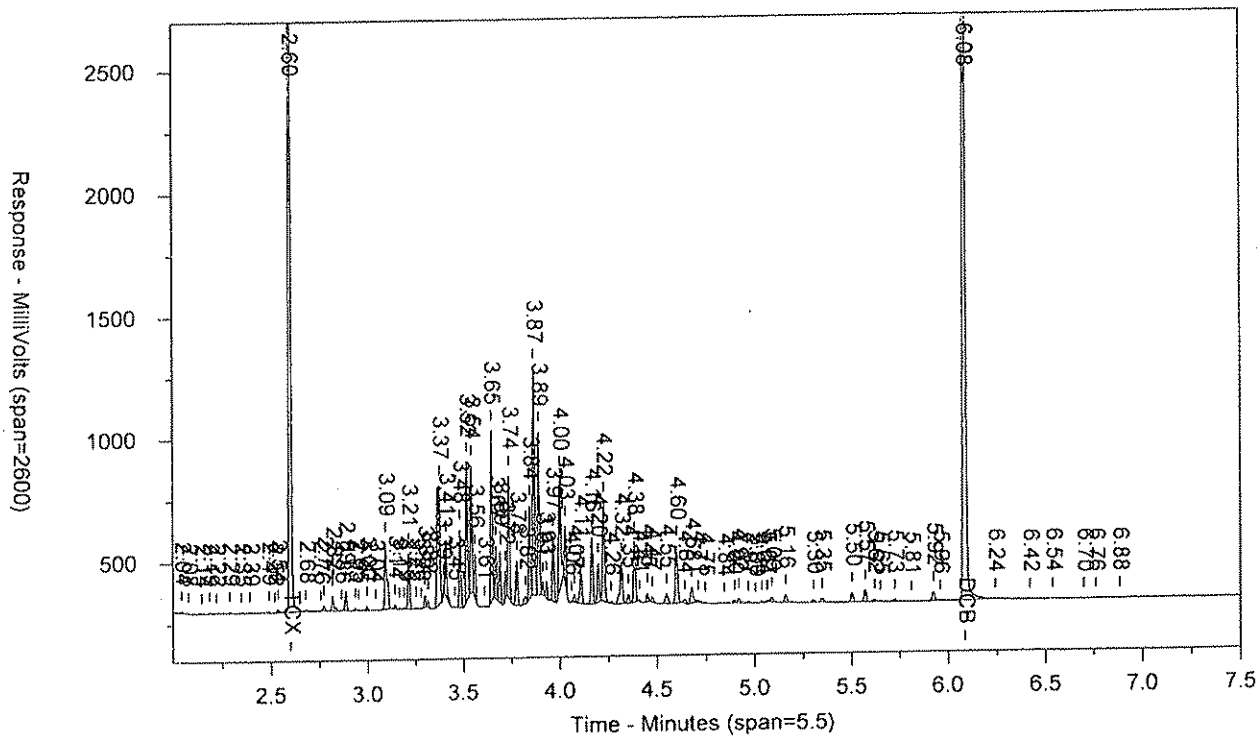
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.028 | | 233261 | 123399 |
| 4.059 | | 2957 | 1297 |
| 4.074 | | 31758 | 19953 |
| 4.108 | | 158936 | 113333 |
| 4.164 | | 269321 | 192865 |
| 4.197 | | 158232 | 106244 |
| 4.224 | | 404259 | 290431 |
| 4.262 | | 7828 | 7290 |
| 4.317 | | 167323 | 148078 |
| 4.352 | | 38766 | 26469 |
| 4.384 | | 247653 | 177658 |
| 4.407 | | 8705 | 4543 |
| 4.45 | | 34479 | 21828 |
| 4.475 | | 20983 | 13671 |
| 4.548 | | 40817 | 40265 |
| 4.599 | | 232373 | 178413 |
| 4.641 | | 14349 | 15915 |
| 4.678 | | 64153 | 56160 |
| 4.71 | | 7230 | 7576 |
| 4.747 | | 5343 | 5422 |
| 4.844 | | 1453 | 837 |
| 4.896 | | 11154 | 7749 |
| 4.92 | | 19289 | 14787 |
| 4.968 | | 6777 | 7078 |
| 5.005 | | 2634 | 1603 |
| 5.039 | | 8203 | 7225 |
| 5.066 | | 7449 | 4900 |
| 5.089 | | 18991 | 14987 |
| 5.162 | | 32520 | 26653 |
| 5.303 | | 10462 | 8774 |
| 5.348 | | 16150 | 22602 |
| 5.503 | | 39234 | 34822 |
| 5.571 | | 48615 | 42440 |
| 5.62 | | 10020 | 8248 |
| 5.65 | | 2232 | 1978 |
| 5.726 | | 9394 | 10925 |
| 5.811 | | 1539 | 2701 |
| 5.925 | | 35950 | 31266 |
| 5.958 | | 1644 | 1240 |
| 6.085 | DCB | 3804728 | 3378969 |
| 6.241 | | 1693 | 3026 |
| 6.422 | | 1878 | 4389 |
| 6.538 | | 3822 | 3156 |
| 6.698 | | 1267 | 2051 |
| 6.759 | | 924 | 1402 |
| 6.883 | | 1652 | 3827 |

AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0013.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0013.RAW



LANCASTER LABORATORIES

Sample Number: AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:09:47 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

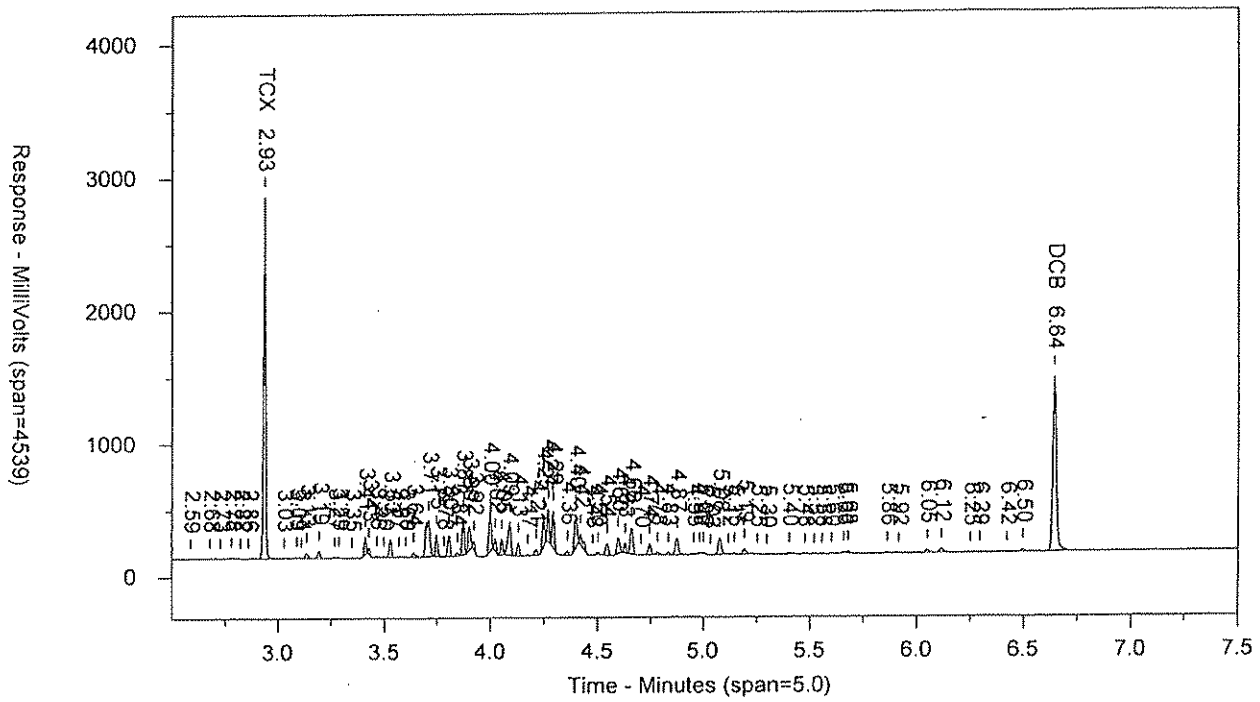
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 2720575 | 20.108 | TCX | 2.602 | 5016663 | 20.425 | TCX |
| 6.643 | 1318232 | 19.721 | DCB | 6.085 | 3804728 | 20 | DCB |

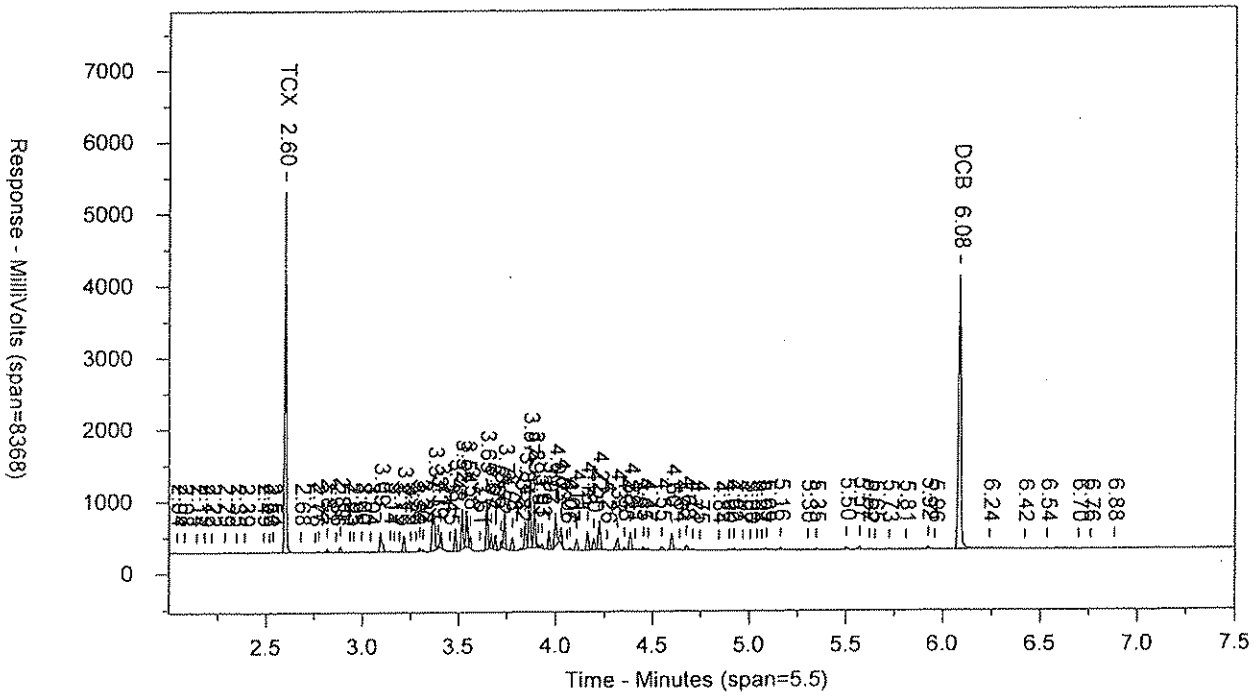
Files:
Area File: 25pcbs16207001.0013.RAW
Area File: 25pcbs16207001B.0013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:18:17 PM
File Reported On: 7/25/2016 at 9:48:32 PM

AR4821624A AAAR482AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0013.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0013.RAW



LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.091 | | 8813 | 14589 |
| 2.222 | | 28520 | 22269 |
| 2.314 | | 12339 | 7527 |
| 2.334 | | 9937 | 6006 |
| 2.379 | | 1436 | 1332 |
| 2.417 | | 4648 | 4575 |
| 2.495 | | 1065 | 874 |
| 2.572 | | 3267 | 3073 |
| 2.671 | | 1727 | 1822 |
| 2.73 | | 771 | 493 |
| 2.78 | | 15027 | 14150 |
| 2.82 | | 3940 | 3092 |
| 2.932 | TCX | 5636091 | 3725440 |
| 3.087 | | 18953 | 17276 |
| 3.134 | | 79207 | 64029 |
| 3.193 | | 98622 | 71458 |
| 3.266 | | 13057 | 8033 |
| 3.287 | | 19837 | 12790 |
| 3.41 | | 240606 | 150309 |
| 3.427 | | 83790 | 43765 |
| 3.465 | | 20937 | 12375 |
| 3.481 | | 3908 | 1655 |
| 3.497 | | 6020 | 3487 |
| 3.528 | | 239526 | 186567 |
| 3.584 | | 6342 | 5094 |
| 3.604 | | 9379 | 5981 |
| 3.64 | | 64851 | 65130 |
| 3.712 | | 512058 | 725360 |
| 3.748 | | 296928 | 231343 |
| 3.807 | | 299477 | 244777 |
| 3.846 | | 58837 | 40771 |
| 3.873 | | 496693 | 371740 |
| 3.901 | | 323179 | 268450 |
| 3.923 | | 107032 | 63799 |
| 4 | | 566918 | 415196 |
| 4.025 | | 163724 | 111487 |
| 4.055 | | 210485 | 157349 |
| 4.09 | | 464253 | 458590 |
| 4.131 | | 173249 | 145000 |
| 4.176 | | 22879 | 21968 |
| 4.217 | | 65449 | 61134 |
| 4.251 | | 409000 | 290874 |
| 4.271 | | 487249 | 315394 |
| 4.295 | | 528563 | 387641 |
| 4.362 | | 58822 | 56073 |
| 4.402 | | 490439 | 418522 |
| 4.424 | | 148530 | 172666 |
| 4.481 | | 8437 | 5206 |
| 4.504 | | 41566 | 34289 |
| 4.546 | | 159626 | 144564 |
| 4.599 | | 221372 | 201881 |
| 4.63 | | 134832 | 101602 |
| 4.66 | | 362258 | 327781 |
| 4.706 | | 9545 | 9650 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.746 | | 150936 | 135055 |
| 4.783 | | 37893 | 44247 |
| 4.835 | | 35611 | 32043 |
| 4.876 | | 220295 | 232259 |
| 4.931 | | 3363 | 2063 |
| 4.957 | | 18741 | 16268 |
| 4.983 | | 20977 | 14960 |
| 5.001 | | 18331 | 12233 |
| 5.034 | | 4066 | 3265 |
| 5.078 | | 227991 | 237725 |
| 5.119 | | 5716 | 4177 |
| 5.147 | | 17843 | 19501 |
| 5.193 | | 84288 | 106900 |
| 5.254 | | 9662 | 7754 |
| 5.299 | | 6901 | 9131 |
| 5.404 | | 27902 | 49363 |
| 5.478 | | 6148 | 5511 |
| 5.522 | | 7520 | 9531 |
| 5.558 | | 8131 | 6811 |
| 5.603 | | 12847 | 12328 |
| 5.629 | | 1744 | 1029 |
| 5.659 | | 15717 | 11754 |
| 5.679 | | 25974 | 19888 |
| 5.834 | | 3539 | 4324 |
| 5.864 | | 16300 | 16816 |
| 5.919 | | 8637 | 14185 |
| 6.051 | | 45305 | 47127 |
| 6.116 | | 60889 | 81893 |
| 6.297 | | 10313 | 11129 |
| 6.385 | | 4328 | 6226 |
| 6.425 | | 855 | 639 |
| 6.472 | | 672 | 649 |
| 6.5 | | 40143 | 42912 |
| 6.599 | | 732 | 905 |
| 6.646 | DCB | 2621793 | 2959571 |
| 6.887 | | 2229 | 3215 |

LANCASTER LABORATORIES

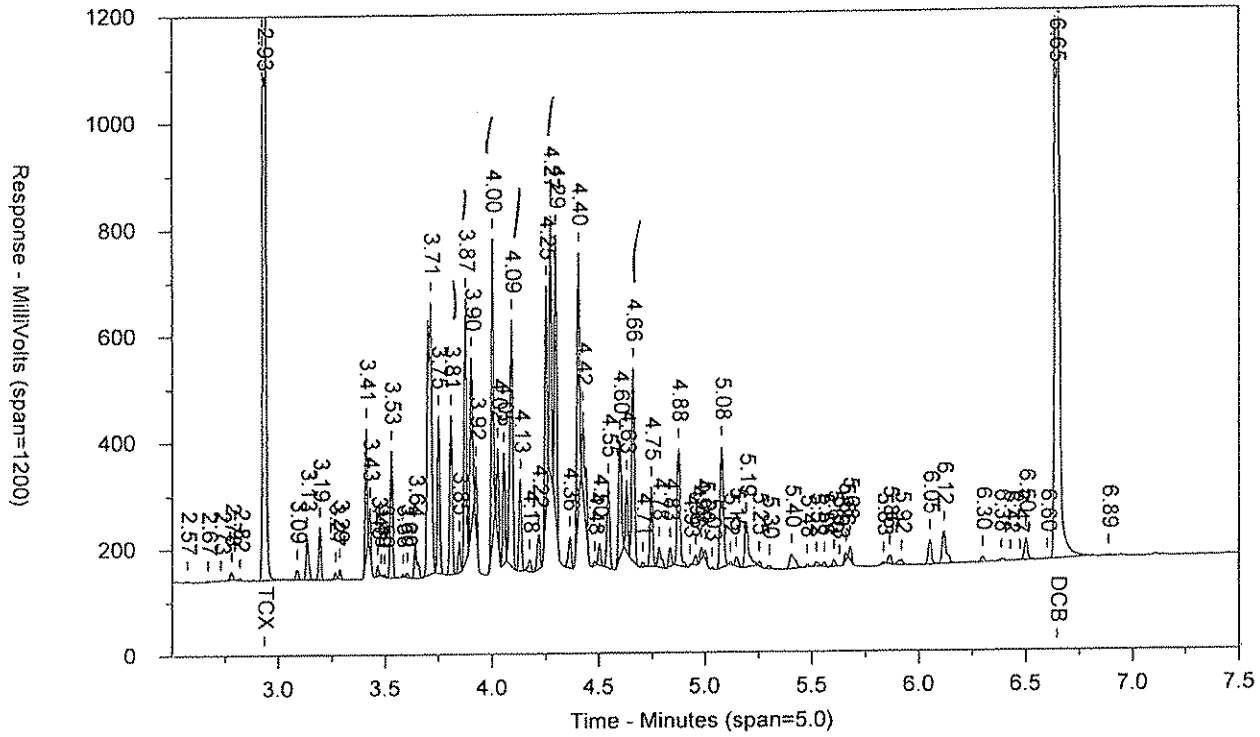
Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.043 | | 15338 | 12179 |
| 2.146 | | 2008 | 2640 |
| 2.184 | | 2405 | 2272 |
| 2.223 | | 2623 | 2885 |
| 2.264 | | 2310 | 1357 |
| 2.289 | | 2709 | 1824 |
| 2.345 | | 1762 | 1731 |
| 2.447 | | 1260 | 1238 |
| 2.484 | | 1448 | 1163 |
| 2.52 | | 3439 | 1970 |
| 2.536 | | 34683 | 27810 |
| 2.601 | TCX | 10249300 | 5978160 |
| 2.691 | | 3000 | 2783 |
| 2.773 | | 34280 | 23892 |
| 2.818 | | 112262 | 58323 |
| 2.834 | | 19390 | 8751 |
| 2.885 | | 154829 | 93382 |
| 2.934 | | 21197 | 11965 |
| 2.996 | | 32543 | 19871 |
| 3.093 | | 516693 | 442102 |
| 3.144 | | 36809 | 20208 |
| 3.166 | | 11384 | 6668 |
| 3.192 | | 13015 | 6935 |
| 3.215 | | 423397 | 269440 |
| 3.252 | | 15312 | 8697 |
| 3.279 | | 9887 | 4623 |
| 3.299 | | 104013 | 92878 |
| 3.375 | | 938745 | 1030036 |
| 3.395 | | 85511 | 35827 |
| 3.409 | | 407196 | 245399 |
| 3.484 | | 618047 | 375930 |
| 3.519 | | 1070339 | 646591 |
| 3.543 | | 968080 | 540429 |
| 3.561 | | 335169 | 169036 |
| 3.647 | | 1234787 | 768242 |
| 3.67 | | 427739 | 221318 |
| 3.691 | | 404882 | 236446 |
| 3.721 | | 210892 | 106151 |
| 3.737 | | 956583 | 543979 |
| 3.778 | | 357112 | 234616 |
| 3.825 | | 65889 | 53674 |
| 3.846 | | 740995 | 430559 |
| 3.868 | | 1791405 | 1094668 |
| 3.893 | | 1240298 | 802878 |
| 3.931 | | 111424 | 66159 |
| 3.967 | | 506608 | 339204 |
| 4.001 | | 912164 | 658864 |
| 4.029 | | 443535 | 242832 |
| 4.075 | | 62768 | 48743 |
| 4.11 | | 295347 | 218401 |
| 4.167 | | 518546 | 371005 |
| 4.199 | | 279065 | 198459 |
| 4.226 | | 806015 | 561793 |
| 4.264 | | 15577 | 14162 |

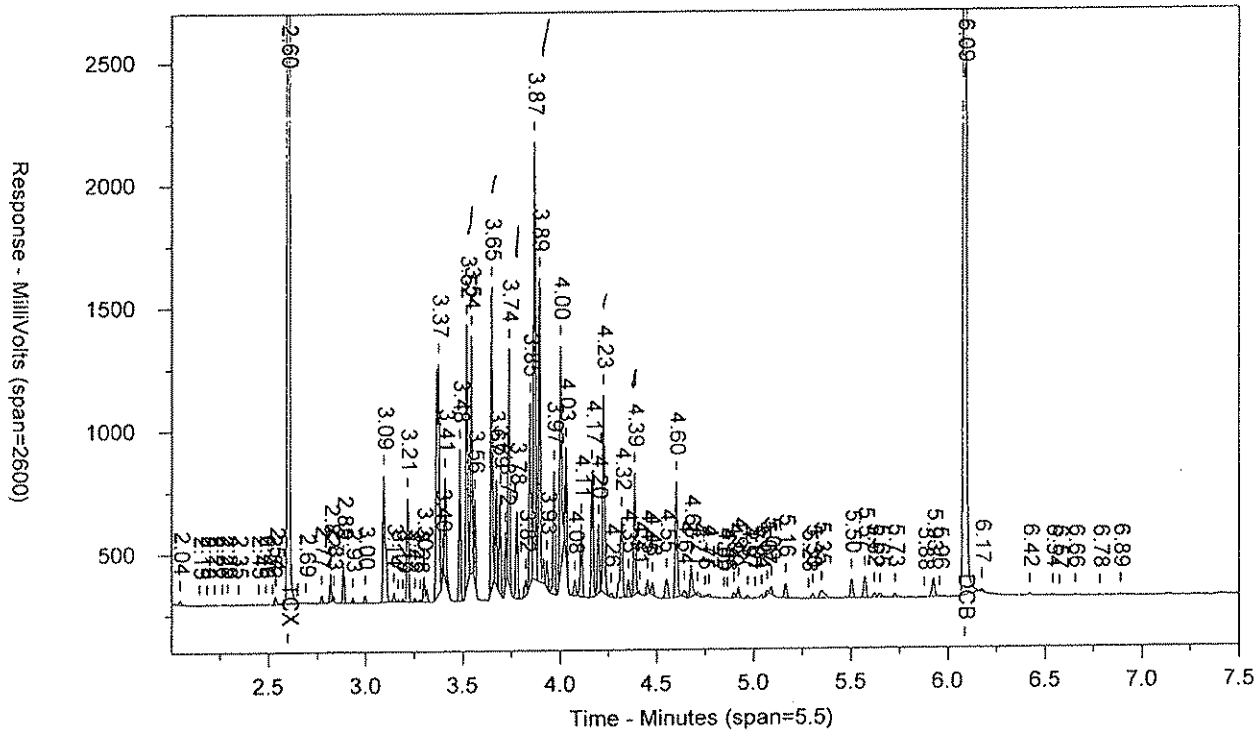
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.318 | | 329195 | 285993 |
| 4.354 | | 73876 | 51598 |
| 4.385 | | 498886 | 348968 |
| 4.409 | | 14579 | 7582 |
| 4.452 | | 60352 | 39252 |
| 4.477 | | 48748 | 37269 |
| 4.55 | | 79877 | 77708 |
| 4.601 | | 472833 | 357606 |
| 4.643 | | 25977 | 29361 |
| 4.679 | | 132084 | 108373 |
| 4.712 | | 13432 | 15196 |
| 4.749 | | 5729 | 2887 |
| 4.77 | | 10764 | 11570 |
| 4.847 | | 3103 | 1493 |
| 4.865 | | 3659 | 2100 |
| 4.899 | | 22598 | 15226 |
| 4.922 | | 44268 | 30721 |
| 4.971 | | 12143 | 12180 |
| 5.006 | | 4632 | 2951 |
| 5.041 | | 13740 | 11029 |
| 5.068 | | 20781 | 15851 |
| 5.09 | | 33329 | 22795 |
| 5.164 | | 61407 | 56823 |
| 5.282 | | 1133 | 850 |
| 5.305 | | 19833 | 16487 |
| 5.351 | | 30773 | 59757 |
| 5.504 | | 76566 | 63049 |
| 5.572 | | 88096 | 77252 |
| 5.62 | | 18446 | 14063 |
| 5.649 | | 14454 | 18237 |
| 5.726 | | 17116 | 14674 |
| 5.879 | | 1991 | 1844 |
| 5.925 | | 77190 | 72224 |
| 5.958 | | 2418 | 1589 |
| 6.086 | DCB | 7814678 | 6750363 |
| 6.174 | | 11005 | 12696 |
| 6.421 | | 8727 | 12666 |
| 6.541 | | 6732 | 5661 |
| 6.572 | | 1702 | 1522 |
| 6.656 | | 5790 | 6762 |
| 6.782 | | 3824 | 3700 |
| 6.888 | | 6152 | 8781 |

AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0014.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0014.RAW



LANCASTER LABORATORIES

Sample Number: AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:21:28 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

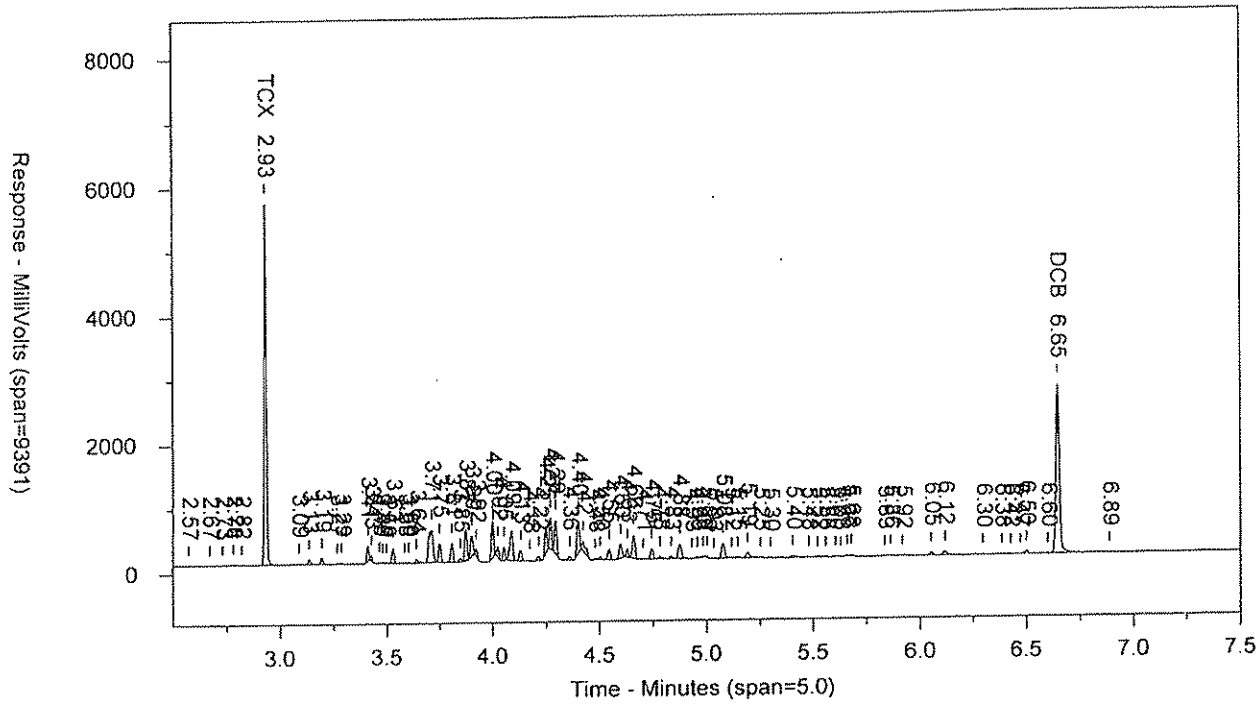
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5636091 | 41.658 | TCX | 2.601 | 10249300 | 41.73 | TCX |
| 6.646 | 2621793 | 39.223 | DCB | 6.086 | 7814678 | 41.078 | DCB |

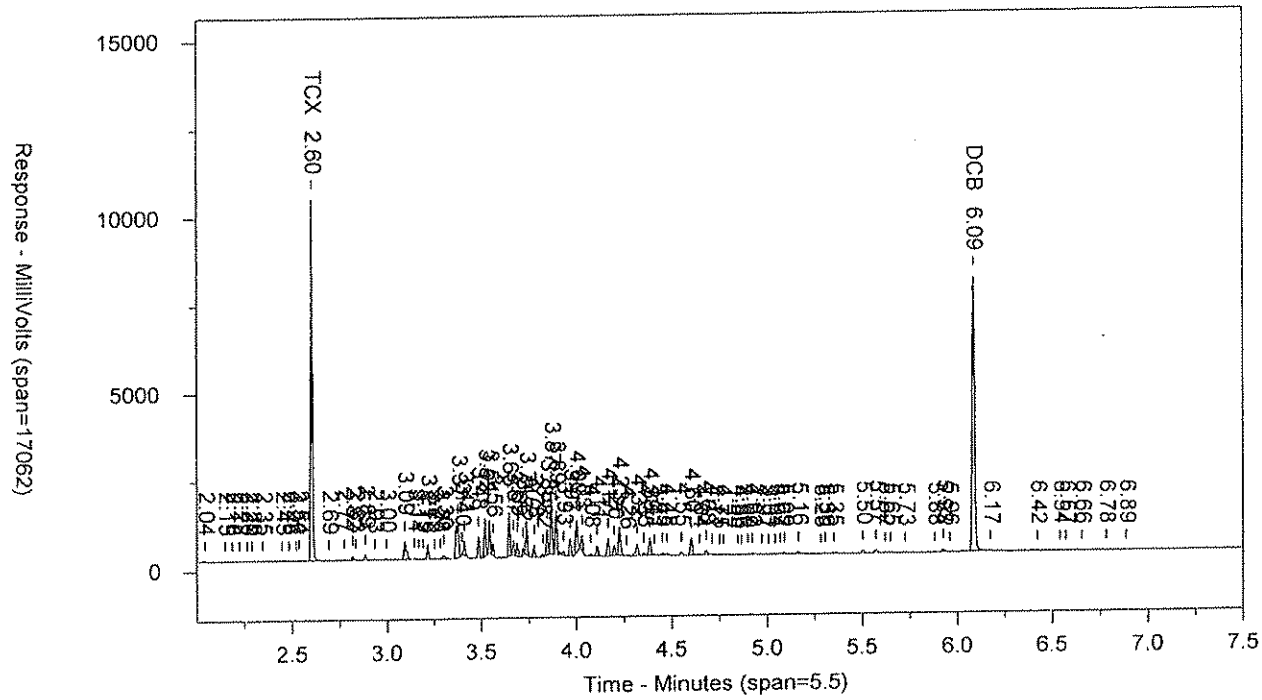
Files:
Area File: 25pcbs16207001.0014.RAW
Area File: 25pcbs16207001B.0014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:29:58 PM
File Reported On: 7/25/2016 at 9:48:44 PM

AR4831624A AAAR483AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0014.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0014.RAW



LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.037 | | 1806 | 3535 |
| 2.092 | | 8123 | 13841 |
| 2.152 | | 1321 | 2341 |
| 2.222 | | 41052 | 31036 |
| 2.315 | | 15365 | 9530 |
| 2.334 | | 14613 | 9044 |
| 2.378 | | 1435 | 1489 |
| 2.419 | | 4660 | 4826 |
| 2.495 | | 1317 | 1726 |
| 2.572 | | 5007 | 5253 |
| 2.673 | | 1267 | 1519 |
| 2.779 | | 7187 | 7714 |
| 2.819 | | 3763 | 3014 |
| 2.853 | | 1457 | 1674 |
| 2.932 | TCX | 8234310 | 5442636 |
| 3.034 | | 1313 | 857 |
| 3.086 | | 42762 | 37885 |
| 3.134 | | 115037 | 101474 |
| 3.193 | | 208376 | 151801 |
| 3.267 | | 18886 | 10857 |
| 3.287 | | 43380 | 29077 |
| 3.375 | | 903 | 1368 |
| 3.41 | | 607929 | 641637 |
| 3.465 | | 51562 | 40001 |
| 3.498 | | 14869 | 8097 |
| 3.529 | | 529041 | 397521 |
| 3.564 | | 2276 | 1223 |
| 3.584 | | 8160 | 4810 |
| 3.604 | | 22844 | 14850 |
| 3.641 | | 139245 | 148139 |
| 3.712 | | 1182863 | 1642924 |
| 3.749 | | 652718 | 506554 |
| 3.807 | | 675094 | 540682 |
| 3.846 | | 114262 | 80635 |
| 3.873 | | 1117911 | 817694 |
| 3.901 | | 728539 | 600063 |
| 3.924 | | 262287 | 145297 |
| 4 | | 1299835 | 940781 |
| 4.024 | | 369715 | 239944 |
| 4.054 | | 456567 | 335254 |
| 4.09 | | 1057975 | 1018129 |
| 4.131 | | 375138 | 306082 |
| 4.176 | | 47310 | 39203 |
| 4.217 | | 123703 | 116006 |
| 4.251 | | 896729 | 640575 |
| 4.271 | | 1170750 | 734244 |
| 4.295 | | 1211927 | 893805 |
| 4.362 | | 129606 | 124931 |
| 4.401 | | 1100976 | 950259 |
| 4.424 | | 367733 | 389875 |
| 4.48 | | 20927 | 14047 |
| 4.503 | | 78325 | 60755 |
| 4.546 | | 327892 | 307756 |
| 4.598 | | 482057 | 432870 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.63 | | 269134 | 208206 |
| 4.66 | | 805060 | 710783 |
| 4.705 | | 21299 | 20749 |
| 4.746 | | 315460 | 289035 |
| 4.783 | | 80506 | 100433 |
| 4.835 | | 84139 | 78361 |
| 4.876 | | 501554 | 513333 |
| 4.932 | | 7207 | 4508 |
| 4.957 | | 44500 | 39992 |
| 4.984 | | 51140 | 36113 |
| 5.002 | | 38853 | 26508 |
| 5.033 | | 8772 | 7237 |
| 5.077 | | 516812 | 519176 |
| 5.119 | | 15237 | 10804 |
| 5.147 | | 31370 | 34484 |
| 5.193 | | 156575 | 196681 |
| 5.254 | | 21637 | 16369 |
| 5.298 | | 13769 | 13812 |
| 5.403 | | 66560 | 110801 |
| 5.478 | | 13229 | 12349 |
| 5.518 | | 6083 | 5438 |
| 5.558 | | 15214 | 14307 |
| 5.602 | | 29768 | 26617 |
| 5.628 | | 3823 | 2437 |
| 5.659 | | 39932 | 31664 |
| 5.679 | | 32065 | 22898 |
| 5.863 | | 42458 | 47020 |
| 5.917 | | 17614 | 30011 |
| 6.05 | | 62081 | 64535 |
| 6.116 | | 74573 | 101117 |
| 6.296 | | 22780 | 25248 |
| 6.345 | | 1824 | 1972 |
| 6.426 | | 2138 | 2148 |
| 6.467 | | 792 | 694 |
| 6.498 | | 59082 | 64671 |
| 6.603 | | 880 | 1178 |
| 6.646 | DCB | 3792054 | 4215166 |

LANCASTER LABORATORIES

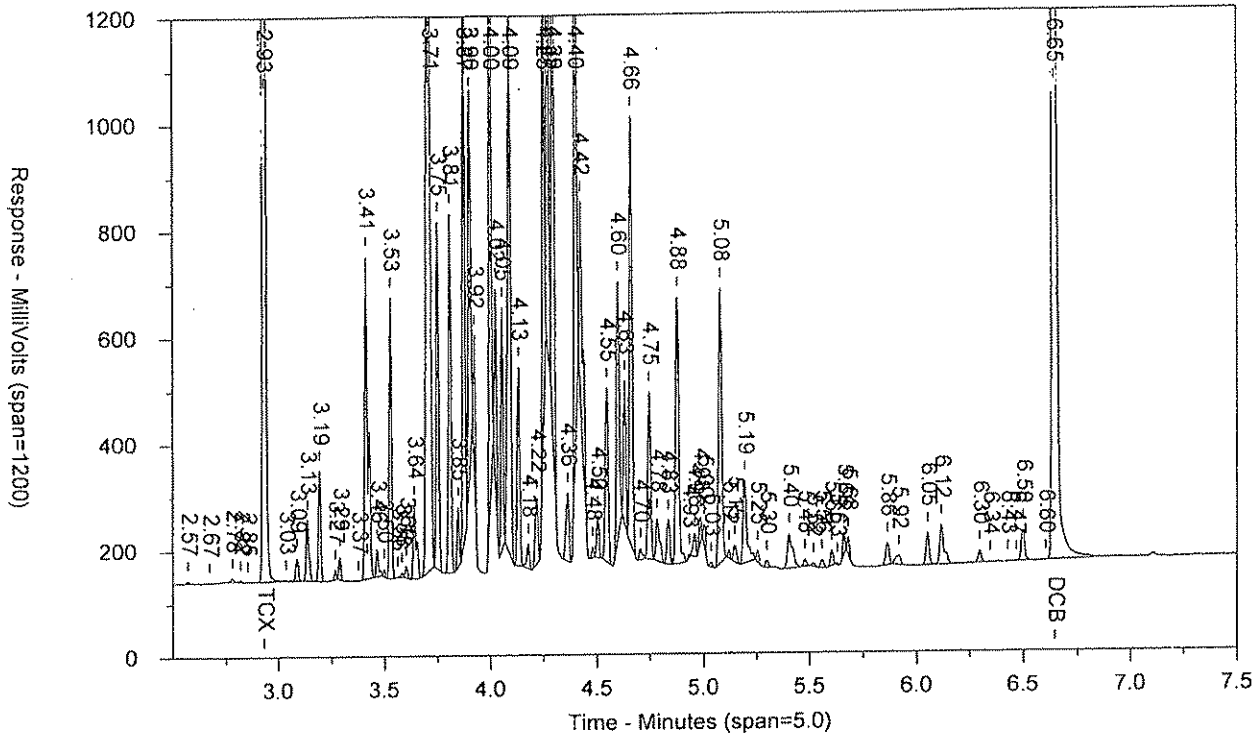
Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 22009 | 17074 |
| 2.149 | | 2172 | 3384 |
| 2.186 | | 2162 | 1707 |
| 2.224 | | 2752 | 2750 |
| 2.264 | | 1378 | 1335 |
| 2.288 | | 5955 | 3999 |
| 2.35 | | 1804 | 1709 |
| 2.49 | | 2147 | 1739 |
| 2.519 | | 2679 | 1809 |
| 2.536 | | 13775 | 8165 |
| 2.602 | TCX | 14885920 | 8811084 |
| 2.774 | | 75806 | 50964 |
| 2.819 | | 161223 | 81923 |
| 2.834 | | 47434 | 22010 |
| 2.886 | | 355145 | 213692 |
| 2.935 | | 31065 | 18662 |
| 2.997 | | 75628 | 45920 |
| 3.093 | | 1176043 | 1003895 |
| 3.145 | | 86936 | 50606 |
| 3.166 | | 26639 | 15140 |
| 3.192 | | 29578 | 15736 |
| 3.216 | | 978839 | 618826 |
| 3.253 | | 36022 | 20806 |
| 3.28 | | 13793 | 6508 |
| 3.299 | | 248531 | 222157 |
| 3.341 | | 1689 | 714 |
| 3.366 | | 1086911 | 511014 |
| 3.376 | | 1135435 | 422563 |
| 3.395 | | 194300 | 82705 |
| 3.409 | | 1002997 | 570309 |
| 3.484 | | 1453850 | 888158 |
| 3.52 | | 2491853 | 1512241 |
| 3.543 | | 2375376 | 1278900 |
| 3.561 | | 778162 | 394426 |
| 3.648 | | 3126730 | 1919896 |
| 3.671 | | 959360 | 513297 |
| 3.691 | | 961258 | 563982 |
| 3.721 | | 485906 | 246515 |
| 3.738 | | 2271459 | 1300687 |
| 3.778 | | 812537 | 544205 |
| 3.825 | | 155420 | 126398 |
| 3.846 | | 1753677 | 1030993 |
| 3.868 | | 4366342 | 2695491 |
| 3.893 | | 3155112 | 2010546 |
| 3.932 | | 238135 | 133443 |
| 3.968 | | 1213569 | 795619 |
| 4.001 | | 2230537 | 1579397 |
| 4.029 | | 1167241 | 630324 |
| 4.059 | | 6426 | 2726 |
| 4.076 | | 153844 | 98833 |
| 4.11 | | 691449 | 506435 |
| 4.166 | | 1266413 | 897837 |
| 4.199 | | 691711 | 470849 |
| 4.226 | | 1995121 | 1353737 |

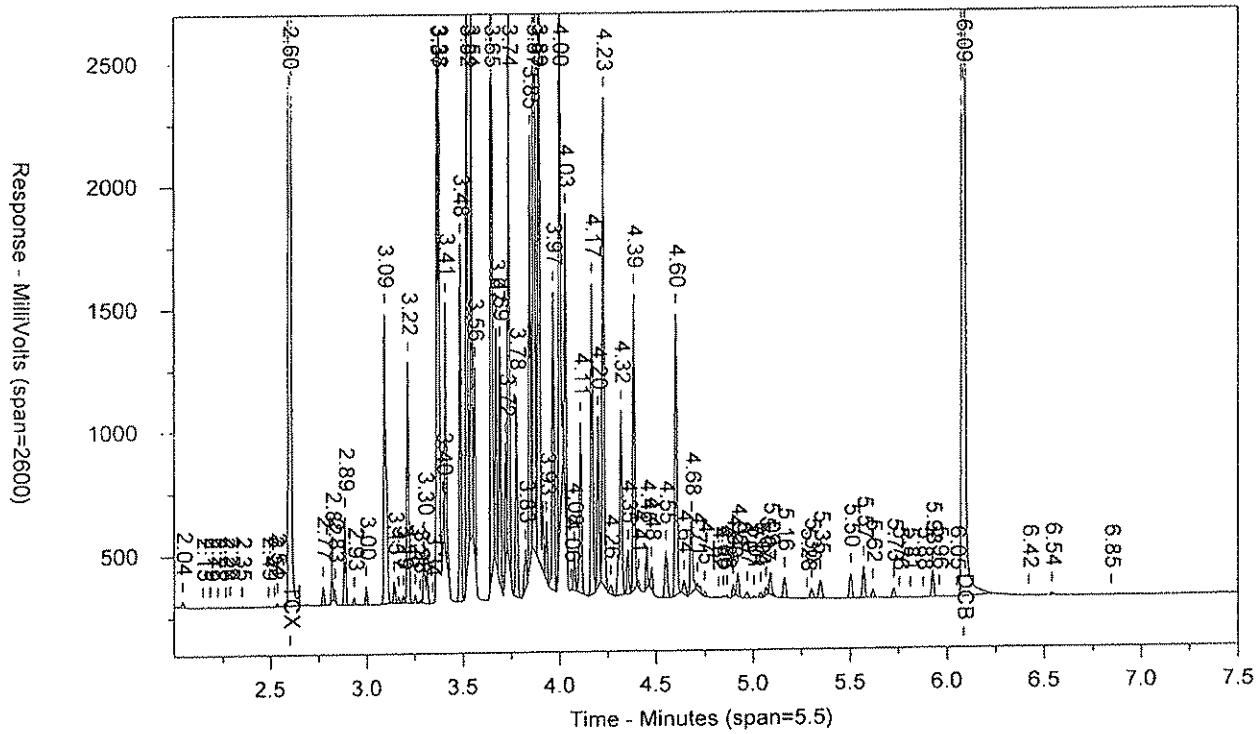
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.264 | | 36960 | 33773 |
| 4.318 | | 750943 | 669538 |
| 4.353 | | 179219 | 123740 |
| 4.385 | | 1204783 | 833963 |
| 4.409 | | 33688 | 18559 |
| 4.452 | | 156366 | 96117 |
| 4.476 | | 91031 | 59286 |
| 4.55 | | 190403 | 183798 |
| 4.601 | | 1144479 | 877759 |
| 4.642 | | 58283 | 58495 |
| 4.68 | | 289003 | 251894 |
| 4.711 | | 31677 | 34745 |
| 4.749 | | 21890 | 14867 |
| 4.821 | | 2370 | 1457 |
| 4.846 | | 6516 | 3878 |
| 4.864 | | 8818 | 5777 |
| 4.898 | | 48631 | 33848 |
| 4.921 | | 92503 | 69457 |
| 4.971 | | 26263 | 26068 |
| 5.006 | | 9726 | 6851 |
| 5.04 | | 22343 | 18614 |
| 5.068 | | 33537 | 22610 |
| 5.09 | | 91523 | 73529 |
| 5.163 | | 84066 | 77261 |
| 5.281 | | 1290 | 815 |
| 5.304 | | 41153 | 34349 |
| 5.349 | | 72962 | 78175 |
| 5.504 | | 100222 | 87962 |
| 5.572 | | 130150 | 107811 |
| 5.62 | | 34998 | 27305 |
| 5.727 | | 37743 | 32560 |
| 5.756 | | 1873 | 1179 |
| 5.812 | | 2331 | 3169 |
| 5.879 | | 2295 | 2308 |
| 5.926 | | 104767 | 85216 |
| 5.96 | | 3589 | 2351 |
| 6.05 | | 1360 | 1576 |
| 6.086 | DCB | 11151750 | 9907866 |
| 6.423 | | 2092 | 2681 |
| 6.54 | | 9467 | 8623 |
| 6.846 | | 756 | 748 |

AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0015.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0015.RAW



LANCASTER LABORATORIES

Sample Number: AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:33:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

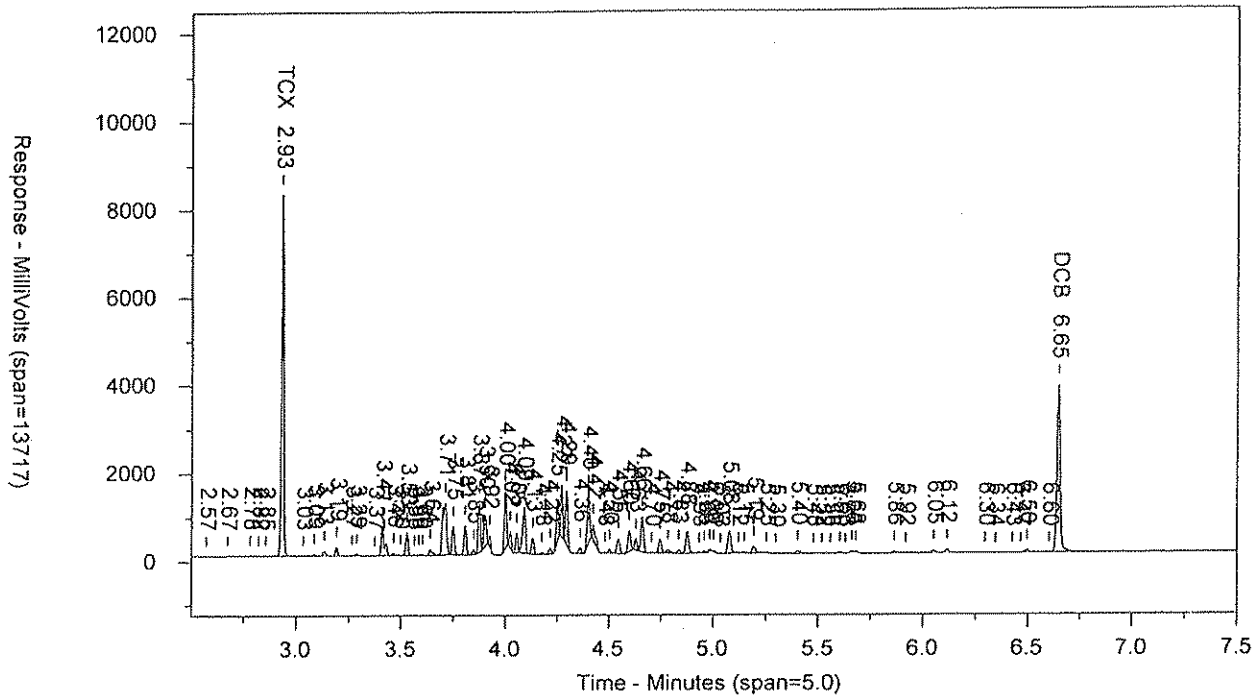
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 8234310 | 60.862 | TCX | 2.602 | 14885920 | 60.607 | TCX |
| 6.646 | 3792054 | 56.731 | DCB | 6.086 | 11151750 | 58.62 | DCB |

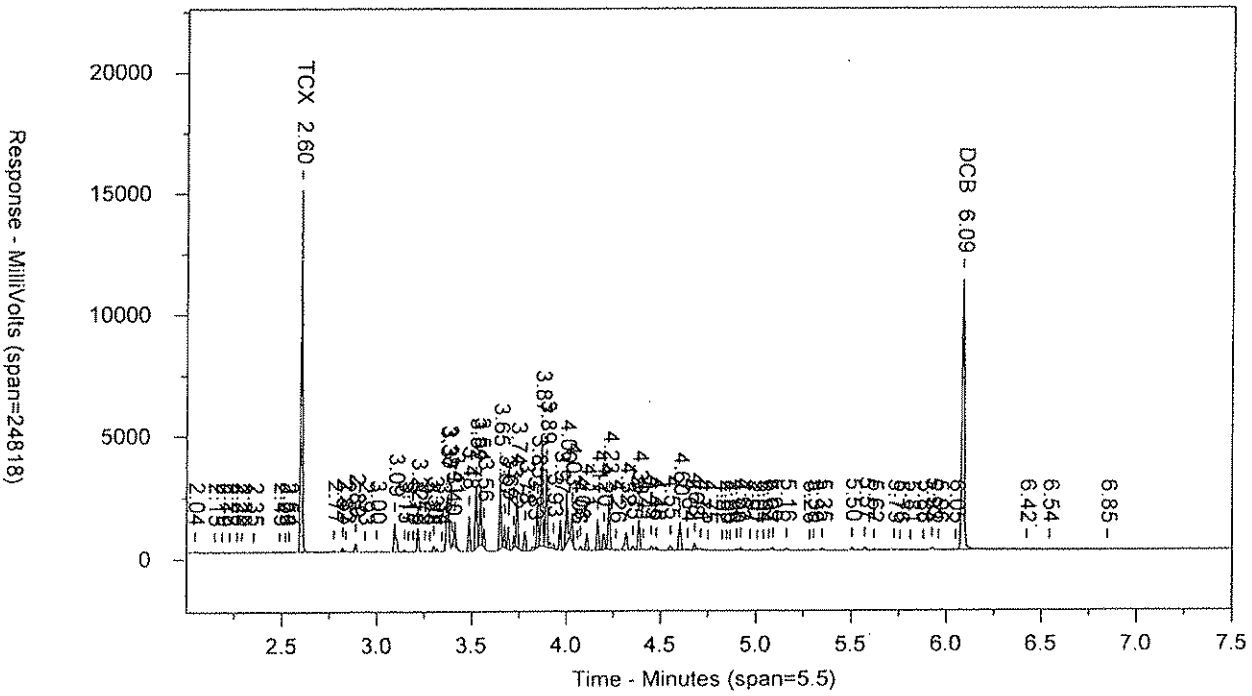
Files:
Area File: 25pcbs16207001.0015.RAW
Area File: 25pcbs16207001B.0015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:41:40 PM
File Reported On: 7/25/2016 at 9:48:54 PM

AR4841624A AAAR484AA ICAL 1620699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0015.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0015.RAW



LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.014 | | 765 | 472 |
| 2.091 | | 7969 | 13884 |
| 2.222 | | 54698 | 41456 |
| 2.314 | | 23137 | 14328 |
| 2.333 | | 18622 | 11685 |
| 2.379 | | 1402 | 1476 |
| 2.417 | | 7732 | 7905 |
| 2.522 | | 1422 | 2011 |
| 2.572 | | 8960 | 7064 |
| 2.67 | | 1954 | 1900 |
| 2.725 | | 701 | 863 |
| 2.779 | | 10670 | 10793 |
| 2.82 | | 6069 | 4741 |
| 2.851 | | 2540 | 2683 |
| 2.931 | TCX | 10955010 | 7350216 |
| 3.034 | | 1835 | 1090 |
| 3.086 | | 85574 | 72047 |
| 3.134 | | 150853 | 150348 |
| 3.192 | | 392632 | 275310 |
| 3.265 | | 24392 | 14230 |
| 3.287 | | 87263 | 57088 |
| 3.327 | | 1473 | 1032 |
| 3.409 | | 1005496 | 614772 |
| 3.426 | | 318755 | 168444 |
| 3.464 | | 97512 | 75743 |
| 3.497 | | 26947 | 15138 |
| 3.527 | | 988980 | 736762 |
| 3.563 | | 4315 | 2280 |
| 3.582 | | 12803 | 7540 |
| 3.602 | | 43229 | 28460 |
| 3.639 | | 250998 | 274659 |
| 3.71 | | 2360377 | 3186023 |
| 3.747 | | 1220903 | 956411 |
| 3.805 | | 1260462 | 1027686 |
| 3.844 | | 204425 | 144596 |
| 3.872 | | 2146085 | 1566033 |
| 3.899 | | 1431422 | 1145236 |
| 3.922 | | 484212 | 262915 |
| 3.998 | | 2512474 | 1831525 |
| 4.022 | | 697334 | 450272 |
| 4.053 | | 864121 | 618629 |
| 4.088 | | 2042047 | 1948000 |
| 4.129 | | 683740 | 557611 |
| 4.175 | | 90056 | 73213 |
| 4.215 | | 202615 | 196172 |
| 4.249 | | 1941089 | 1282098 |
| 4.269 | | 2318311 | 1477339 |
| 4.293 | | 2487542 | 1772427 |
| 4.36 | | 222280 | 220677 |
| 4.4 | | 2334635 | 1870532 |
| 4.422 | | 788470 | 767012 |
| 4.479 | | 37761 | 25484 |
| 4.502 | | 129863 | 103238 |
| 4.545 | | 599077 | 548518 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.597 | | 921655 | 810582 |
| 4.629 | | 500267 | 381257 |
| 4.658 | | 1512655 | 1329745 |
| 4.704 | | 39622 | 40937 |
| 4.744 | | 575763 | 518416 |
| 4.781 | | 143109 | 178208 |
| 4.832 | | 152171 | 142030 |
| 4.874 | | 911114 | 932097 |
| 4.929 | | 12272 | 8674 |
| 4.954 | | 79307 | 71184 |
| 4.982 | | 81753 | 58920 |
| 4.999 | | 66909 | 47795 |
| 5.032 | | 16699 | 13677 |
| 5.075 | | 983174 | 957928 |
| 5.117 | | 27139 | 20458 |
| 5.145 | | 49141 | 56655 |
| 5.191 | | 284897 | 354029 |
| 5.253 | | 42413 | 34228 |
| 5.296 | | 27277 | 31501 |
| 5.401 | | 114545 | 195905 |
| 5.476 | | 24708 | 22487 |
| 5.515 | | 10665 | 9380 |
| 5.556 | | 20880 | 19215 |
| 5.6 | | 57341 | 51216 |
| 5.626 | | 7314 | 4760 |
| 5.657 | | 78203 | 64178 |
| 5.677 | | 36916 | 25473 |
| 5.862 | | 77779 | 86251 |
| 5.916 | | 37115 | 56941 |
| 6.049 | | 80939 | 85253 |
| 6.114 | | 96349 | 141900 |
| 6.295 | | 44738 | 45904 |
| 6.34 | | 1667 | 1640 |
| 6.423 | | 2218 | 2143 |
| 6.463 | | 1164 | 905 |
| 6.496 | | 79846 | 89312 |
| 6.597 | | 1231 | 1080 |
| 6.643 | DCB | 5208436 | 5588152 |

LANCASTER LABORATORIES

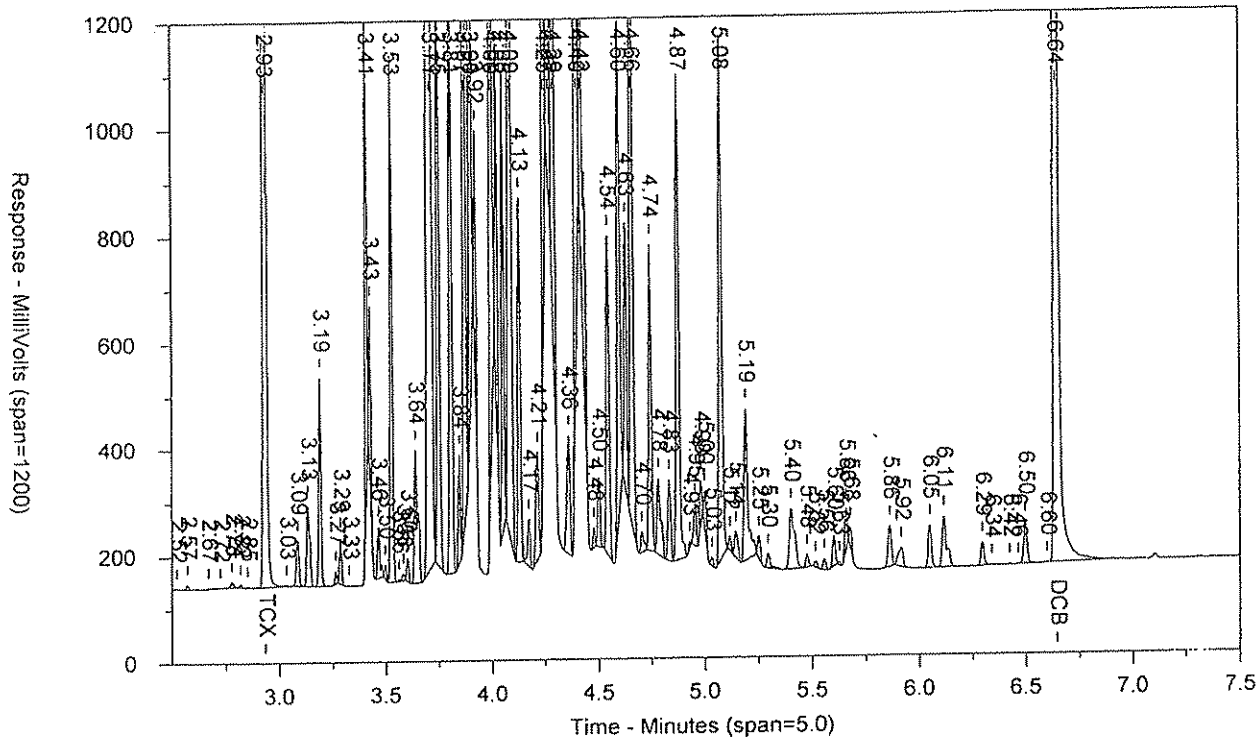
Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 29482 | 23242 |
| 2.148 | | 2615 | 3639 |
| 2.184 | | 3703 | 3595 |
| 2.225 | | 2814 | 3874 |
| 2.263 | | 2833 | 2548 |
| 2.288 | | 10618 | 8196 |
| 2.347 | | 2147 | 2791 |
| 2.398 | | 1347 | 745 |
| 2.464 | | 761 | 1577 |
| 2.485 | | 2375 | 1716 |
| 2.521 | | 3214 | 2028 |
| 2.536 | | 19907 | 12641 |
| 2.56 | | 3122 | 1777 |
| 2.601 | TCX | 20695700 | 11865350 |
| 2.645 | | 33401 | 19910 |
| 2.773 | | 148609 | 98017 |
| 2.818 | | 205845 | 105833 |
| 2.834 | | 94714 | 45175 |
| 2.886 | | 678175 | 407522 |
| 2.934 | | 41715 | 24794 |
| 2.997 | | 143713 | 88556 |
| 3.058 | | 1299 | 533 |
| 3.093 | | 2229308 | 1914646 |
| 3.144 | | 171871 | 100493 |
| 3.166 | | 51979 | 29592 |
| 3.192 | | 59797 | 31509 |
| 3.215 | | 1827182 | 1197451 |
| 3.252 | | 71363 | 41191 |
| 3.279 | | 21828 | 10339 |
| 3.299 | | 425822 | 222231 |
| 3.314 | | 179478 | 85831 |
| 3.34 | | 2593 | 1194 |
| 3.375 | | 4621864 | 4946973 |
| 3.395 | | 337176 | 133222 |
| 3.408 | | 1921678 | 1141154 |
| 3.483 | | 2938360 | 1747986 |
| 3.519 | | 5009641 | 2971485 |
| 3.542 | | 4657149 | 2522668 |
| 3.56 | | 1515682 | 755567 |
| 3.646 | | 6057200 | 3686051 |
| 3.669 | | 1881200 | 984989 |
| 3.69 | | 1864905 | 1082143 |
| 3.719 | | 954847 | 488440 |
| 3.736 | | 4504551 | 2592024 |
| 3.777 | | 1557023 | 1051340 |
| 3.824 | | 297403 | 242066 |
| 3.844 | | 3503000 | 2053828 |
| 3.867 | | 8939467 | 5329388 |
| 3.891 | | 6131771 | 3620592 |
| 3.911 | | 456926 | 221867 |
| 3.931 | | 430951 | 241654 |
| 3.965 | | 2393305 | 1541683 |
| 3.999 | | 4435846 | 3145365 |
| 4.027 | | 2485017 | 1298856 |

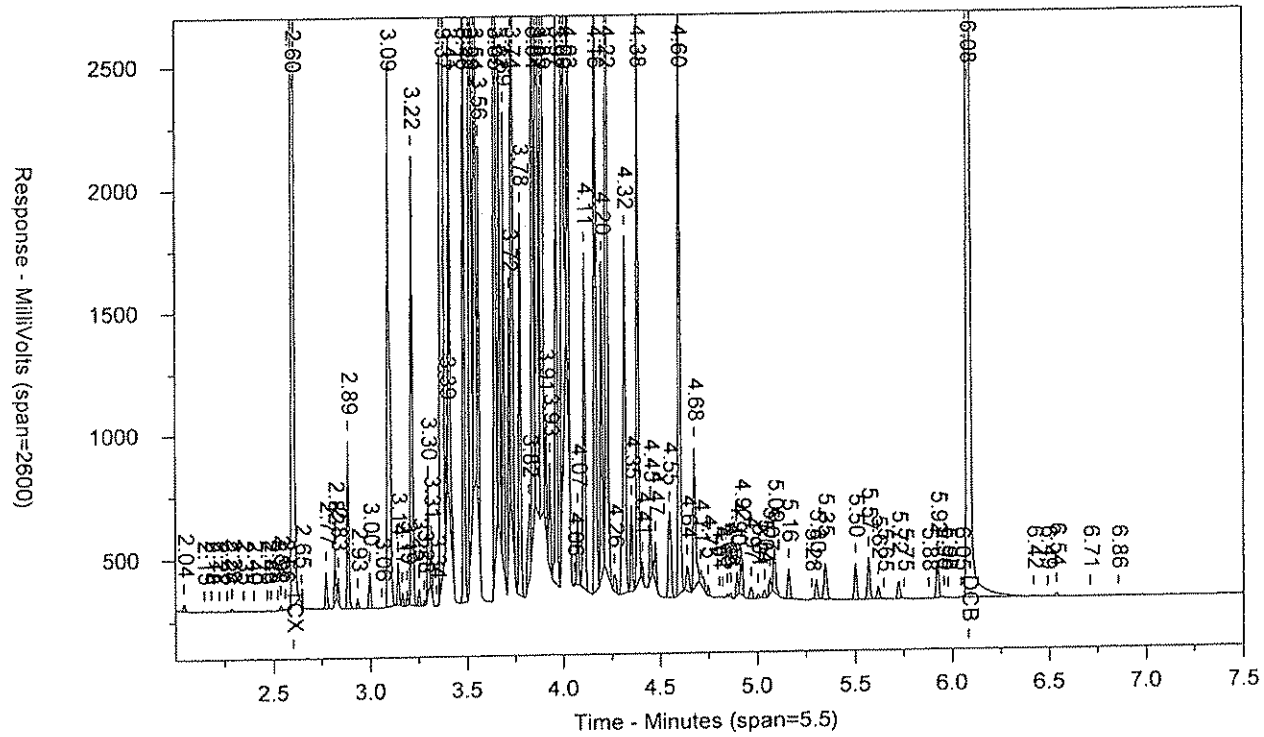
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.057 | | 11196 | 4610 |
| 4.074 | | 287769 | 189096 |
| 4.108 | | 1369315 | 970511 |
| 4.165 | | 2491806 | 1756113 |
| 4.197 | | 1282736 | 872619 |
| 4.225 | | 3953554 | 2653571 |
| 4.263 | | 69808 | 64157 |
| 4.317 | | 1456020 | 1289393 |
| 4.351 | | 346948 | 237956 |
| 4.384 | | 2349313 | 1632645 |
| 4.407 | | 74720 | 39001 |
| 4.45 | | 284778 | 177998 |
| 4.474 | | 165154 | 115185 |
| 4.548 | | 347062 | 347971 |
| 4.599 | | 2391061 | 1755423 |
| 4.64 | | 104158 | 102389 |
| 4.678 | | 570373 | 485350 |
| 4.71 | | 56994 | 65605 |
| 4.747 | | 42866 | 28713 |
| 4.806 | | 2510 | 1350 |
| 4.821 | | 4871 | 2812 |
| 4.846 | | 12723 | 7338 |
| 4.863 | | 18539 | 11397 |
| 4.896 | | 92079 | 65048 |
| 4.92 | | 187468 | 136168 |
| 4.97 | | 47499 | 46184 |
| 5.005 | | 19000 | 13431 |
| 5.038 | | 32653 | 27265 |
| 5.066 | | 66812 | 45180 |
| 5.089 | | 175913 | 144721 |
| 5.161 | | 121693 | 105303 |
| 5.279 | | 3907 | 2214 |
| 5.303 | | 79645 | 64152 |
| 5.348 | | 145924 | 154795 |
| 5.502 | | 144440 | 119659 |
| 5.57 | | 168664 | 145717 |
| 5.619 | | 54444 | 43767 |
| 5.65 | | 2662 | 2393 |
| 5.725 | | 72284 | 60187 |
| 5.754 | | 3055 | 2253 |
| 5.88 | | 3428 | 3636 |
| 5.925 | | 148876 | 124606 |
| 5.956 | | 3968 | 2561 |
| 5.978 | | 3035 | 2207 |
| 6.047 | | 1295 | 1186 |
| 6.084 | DCB | 14896010 | 13376340 |
| 6.421 | | 2377 | 3632 |
| 6.492 | | 1580 | 2560 |
| 6.538 | | 13017 | 16530 |
| 6.71 | | 1753 | 1571 |
| 6.858 | | 791 | 1720 |

AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0016.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0016.RAW



LANCASTER LABORATORIES

Sample Number: AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:44:41 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

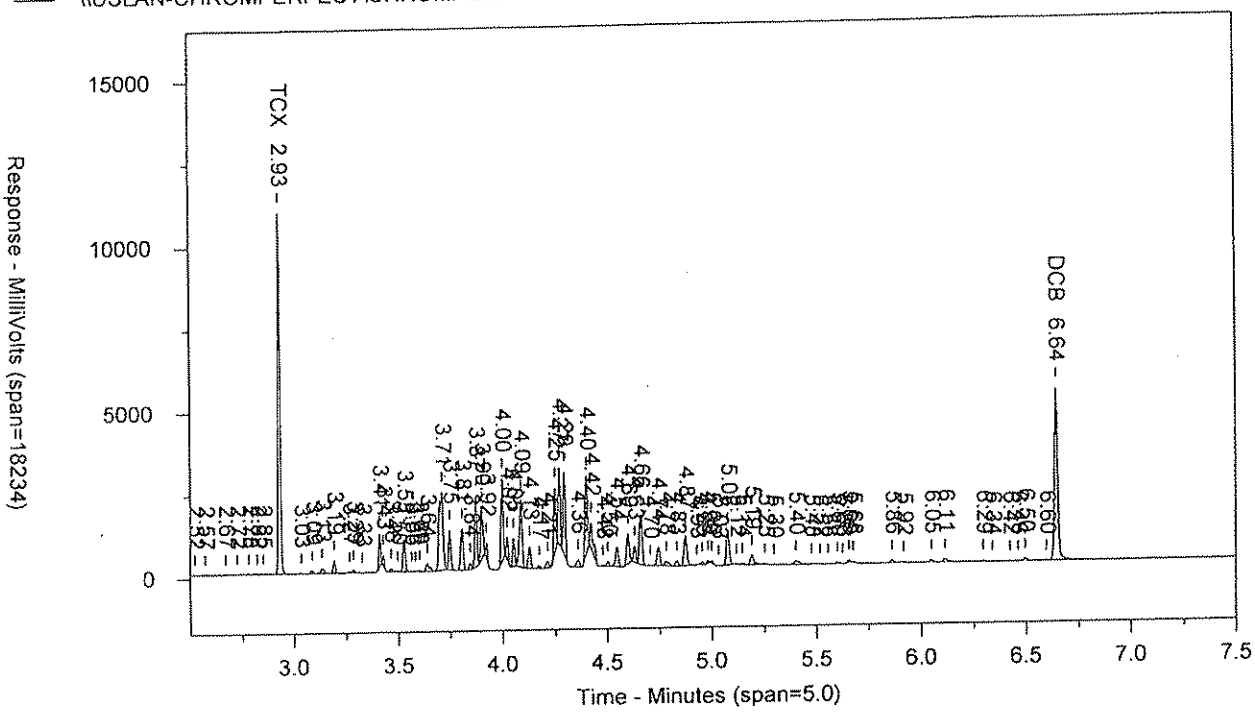
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 10955010 | 80.971 | TCX | 2.601 | 20695700 | 84.262 | TCX |
| 6.643 | 5208436 | 77.921 | DCB | 6.084 | 14896010 | 78.302 | DCB |

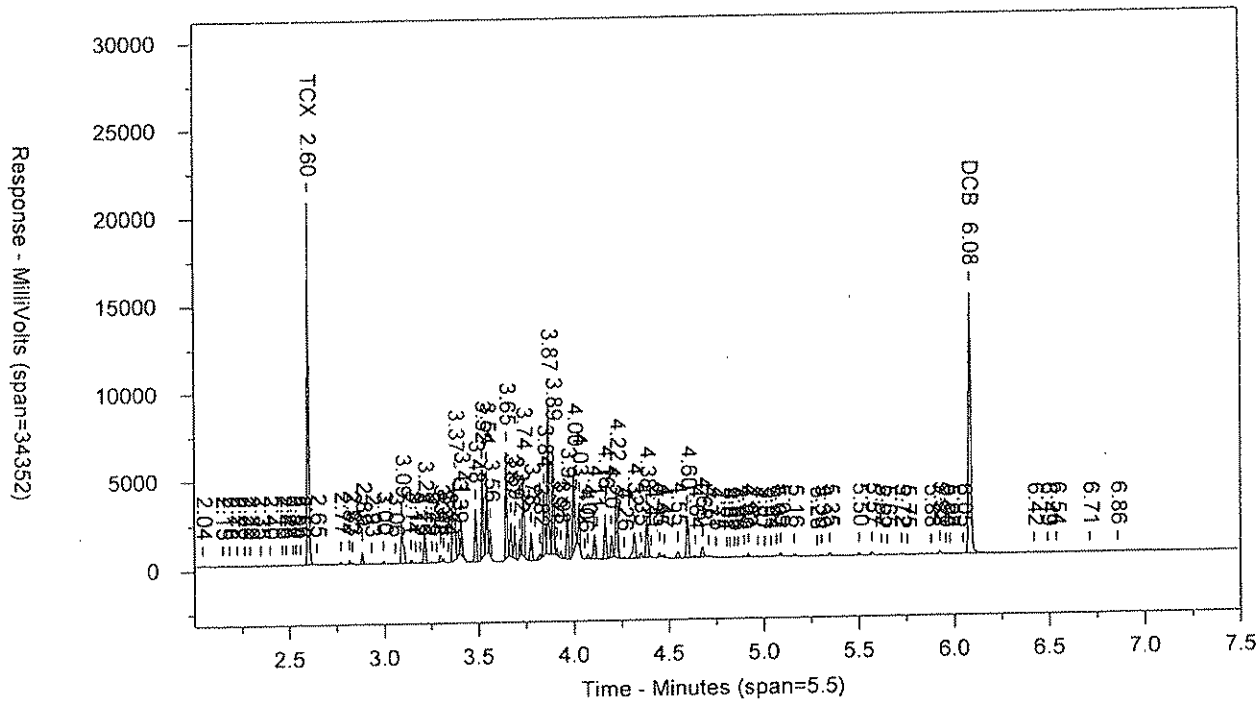
Files:
Area File: 25pcbs16207001.0016.RAW
Area File: 25pcbs16207001B.0016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 7:53:14 PM
File Reported On: 7/25/2016 at 9:49:06 PM

AR4851624A AAAR485AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0016.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0016.RAW



LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.041 | | 1472 | 3214 |
| 2.092 | | 8385 | 15060 |
| 2.143 | | 2074 | 3382 |
| 2.222 | | 2872 | 3164 |
| 2.315 | | 24234 | 17709 |
| 2.378 | | 1566 | 1405 |
| 2.418 | | 5489 | 4865 |
| 2.498 | | 913 | 899 |
| 2.576 | | 1630 | 2672 |
| 2.673 | | 1633 | 1701 |
| 2.78 | | 14472 | 14714 |
| 2.82 | | 4157 | 3194 |
| 2.932 | TCX | 573104 | 400343 |
| 3.066 | | 1251 | 899 |
| 3.134 | | 9200 | 6423 |
| 3.188 | | 5416 | 6398 |
| 3.266 | | 1317 | 929 |
| 3.288 | | 1022 | 1255 |
| 3.41 | | 4882 | 3100 |
| 3.429 | | 2679 | 1658 |
| 3.482 | | 1338 | 954 |
| 3.527 | | 9594 | 8398 |
| 3.571 | | 1499 | 2422 |
| 3.603 | | 2470 | 1656 |
| 3.641 | | 2247 | 2423 |
| 3.683 | | 6135 | 3582 |
| 3.713 | | 7532 | 9447 |
| 3.749 | | 11796 | 8641 |
| 3.805 | | 6155 | 4752 |
| 3.845 | | 3426 | 2607 |
| 3.873 | | 127429 | 95574 |
| 3.9 | | 35725 | 33367 |
| 3.999 | | 81704 | 62110 |
| 4.023 | | 5581 | 3591 |
| 4.054 | | 9647 | 7125 |
| 4.09 | | 35621 | 32977 |
| 4.13 | | 8470 | 7143 |
| 4.171 | | 3837 | 5240 |
| 4.213 | | 25265 | 23552 |
| 4.249 | | 182371 | 132765 |
| 4.27 | | 77306 | 47478 |
| 4.294 | | 55904 | 41624 |
| 4.362 | | 54456 | 47147 |
| 4.404 | | 248900 | 260642 |
| 4.439 | | 97621 | 80843 |
| 4.48 | | 3268 | 2249 |
| 4.503 | | 22563 | 18836 |
| 4.545 | | 97448 | 87360 |
| 4.598 | | 170596 | 157357 |
| 4.629 | | 45420 | 29886 |
| 4.659 | | 304692 | 280996 |
| 4.705 | | 27087 | 35453 |
| 4.745 | | 55410 | 44635 |
| 4.783 | | 111720 | 115481 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.834 | | 19995 | 17539 |
| 4.874 | | 196665 | 211691 |
| 4.93 | | 23076 | 18735 |
| 4.957 | | 3800 | 2133 |
| 4.983 | | 77596 | 61124 |
| 5.001 | | 45867 | 29996 |
| 5.076 | | 161822 | 166477 |
| 5.119 | | 18284 | 14737 |
| 5.145 | | 20460 | 29100 |
| 5.193 | | 235861 | 346829 |
| 5.296 | | 10201 | 12303 |
| 5.403 | | 87462 | 119384 |
| 5.477 | | 11043 | 10628 |
| 5.517 | | 11487 | 12507 |
| 5.556 | | 1776 | 1245 |
| 5.603 | | 45239 | 40236 |
| 5.627 | | 4672 | 2848 |
| 5.657 | | 36316 | 40073 |
| 5.835 | | 2003 | 2122 |
| 5.866 | | 31752 | 30582 |
| 5.897 | | 4437 | 3643 |
| 6.048 | | 5525 | 6392 |
| 6.116 | | 10722 | 15636 |
| 6.294 | | 2425 | 3052 |
| 6.386 | | 1886 | 3285 |
| 6.498 | | 4038 | 4326 |
| 6.644 | DCB | 344513 | 400203 |
| 6.888 | | 1354 | 2582 |

LANCASTER LABORATORIES

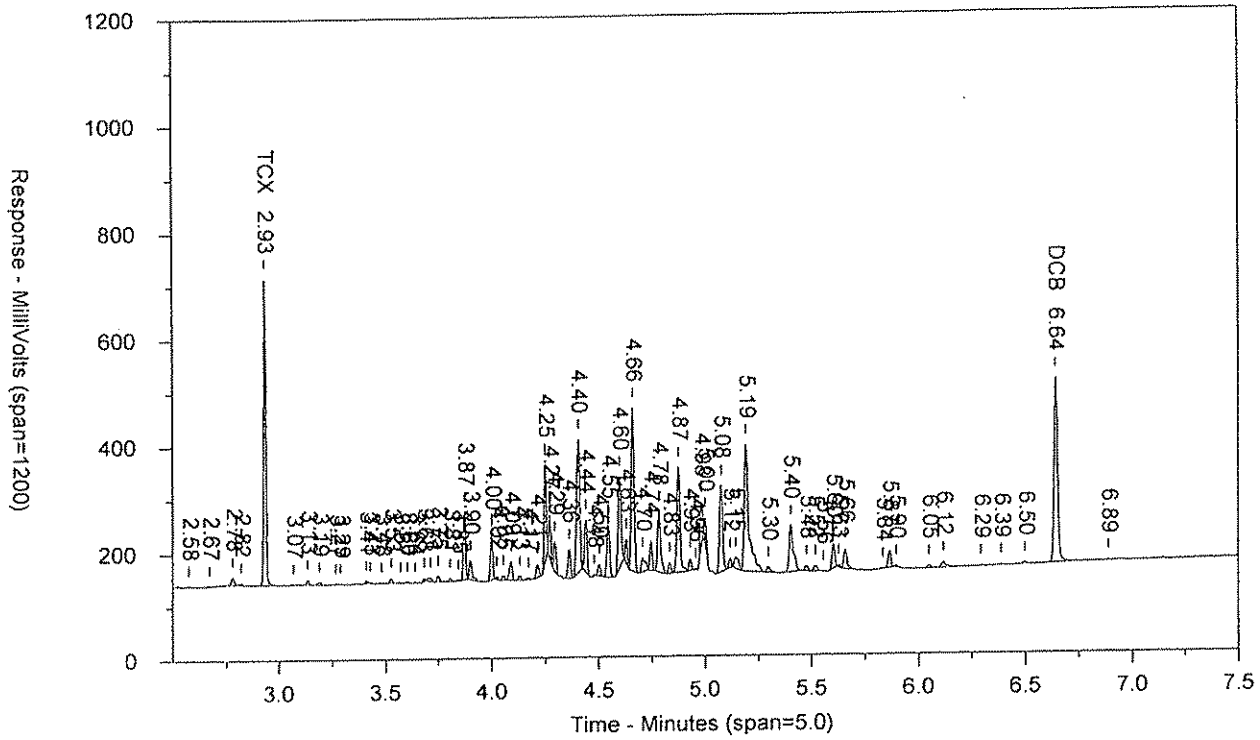
Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.149 | | 2465 | 2173 |
| 2.185 | | 2848 | 2690 |
| 2.225 | | 2902 | 3593 |
| 2.262 | | 1995 | 1423 |
| 2.349 | | 2057 | 1968 |
| 2.486 | | 2348 | 1672 |
| 2.521 | | 3688 | 2521 |
| 2.536 | | 30952 | 23325 |
| 2.602 | TCX | 982948 | 577491 |
| 2.692 | | 2505 | 3497 |
| 2.775 | | 1978 | 1455 |
| 2.819 | | 11981 | 6605 |
| 2.886 | | 4702 | 3492 |
| 2.933 | | 2396 | 1645 |
| 3.093 | | 9074 | 8949 |
| 3.174 | | 4188 | 3037 |
| 3.215 | | 7589 | 5137 |
| 3.253 | | 4000 | 4610 |
| 3.298 | | 2016 | 1055 |
| 3.317 | | 18911 | 10738 |
| 3.364 | | 16273 | 17474 |
| 3.409 | | 15253 | 17496 |
| 3.442 | | 2859 | 1656 |
| 3.484 | | 10242 | 6944 |
| 3.519 | | 239282 | 143641 |
| 3.542 | | 73690 | 41800 |
| 3.561 | | 7900 | 3437 |
| 3.647 | | 146257 | 87171 |
| 3.67 | | 11439 | 5703 |
| 3.691 | | 14155 | 8875 |
| 3.72 | | 9711 | 4770 |
| 3.737 | | 54947 | 32479 |
| 3.777 | | 14783 | 10835 |
| 3.816 | | 10888 | 8648 |
| 3.845 | | 49194 | 28462 |
| 3.867 | | 550703 | 346924 |
| 3.892 | | 59728 | 33101 |
| 3.912 | | 42125 | 23272 |
| 3.931 | | 114550 | 71949 |
| 3.966 | | 473508 | 310724 |
| 3.998 | | 193923 | 115408 |
| 4.015 | | 117901 | 60279 |
| 4.075 | | 36055 | 29174 |
| 4.109 | | 183181 | 128150 |
| 4.166 | | 375072 | 264936 |
| 4.198 | | 111969 | 77543 |
| 4.225 | | 642044 | 459449 |
| 4.263 | | 48019 | 42627 |
| 4.316 | | 316233 | 254044 |
| 4.353 | | 43563 | 31259 |
| 4.384 | | 404342 | 281350 |
| 4.408 | | 67178 | 42774 |
| 4.451 | | 260530 | 188185 |
| 4.476 | | 18376 | 11642 |

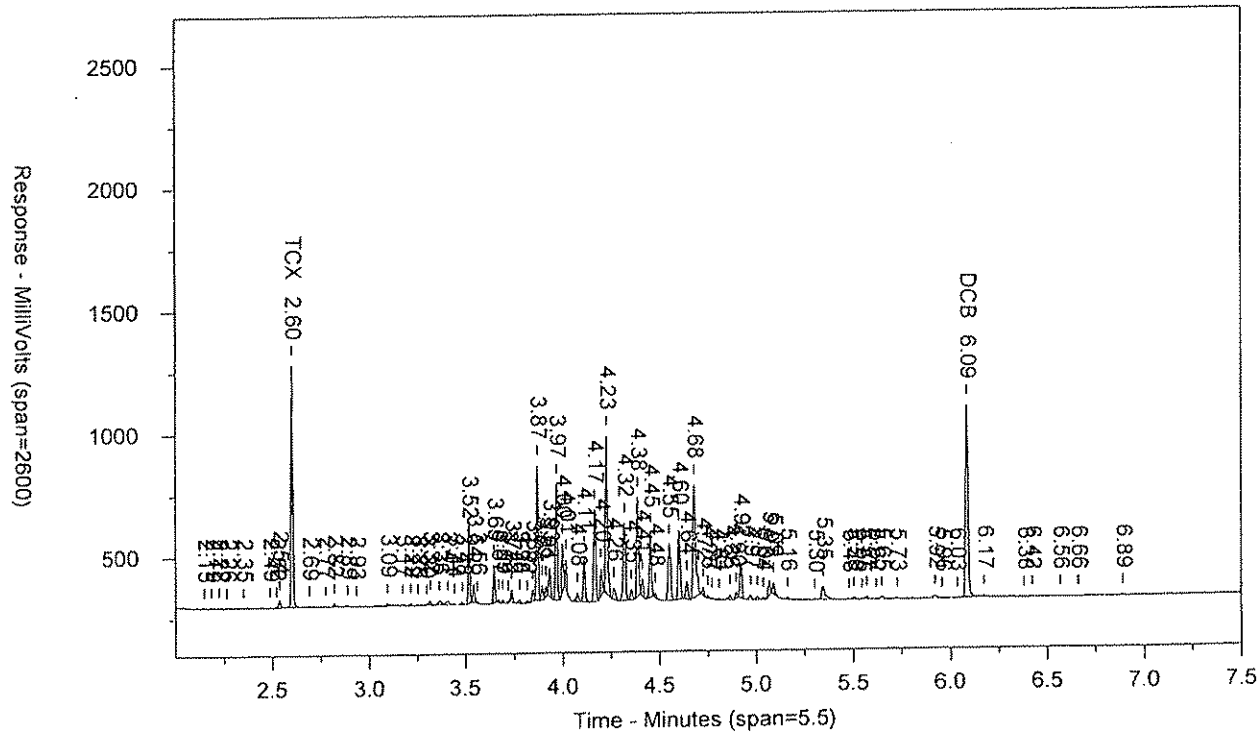
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.549 | | 229585 | 220536 |
| 4.6 | | 279837 | 212157 |
| 4.64 | | 74293 | 60211 |
| 4.679 | | 461894 | 432859 |
| 4.725 | | 34138 | 19251 |
| 4.748 | | 13335 | 7880 |
| 4.77 | | 4793 | 3475 |
| 4.807 | | 4464 | 4235 |
| 4.864 | | 18880 | 12862 |
| 4.897 | | 22744 | 14956 |
| 4.921 | | 141332 | 107151 |
| 4.971 | | 17593 | 15099 |
| 5.005 | | 14702 | 10867 |
| 5.036 | | 8686 | 6946 |
| 5.067 | | 60164 | 43386 |
| 5.089 | | 45094 | 35666 |
| 5.161 | | 7622 | 11704 |
| 5.303 | | 3434 | 2928 |
| 5.345 | | 54893 | 71111 |
| 5.479 | | 833 | 768 |
| 5.503 | | 8007 | 6757 |
| 5.545 | | 2000 | 1252 |
| 5.57 | | 9847 | 8043 |
| 5.62 | | 3021 | 2454 |
| 5.648 | | 8464 | 10655 |
| 5.727 | | 3852 | 4239 |
| 5.922 | | 11605 | 13715 |
| 5.955 | | 1100 | 1426 |
| 6.035 | | 1483 | 1750 |
| 6.085 | DCB | 786595 | 707481 |
| 6.175 | | 6394 | 7618 |
| 6.38 | | 1142 | 1179 |
| 6.421 | | 4260 | 8370 |
| 6.565 | | 1973 | 2428 |
| 6.659 | | 2457 | 2963 |
| 6.888 | | 2961 | 5669 |

AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0017.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0017.RAW



LANCASTER LABORATORIES

Sample Number: AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 7:56:22 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: 4
Calibration Type: external
Quantitation: Height

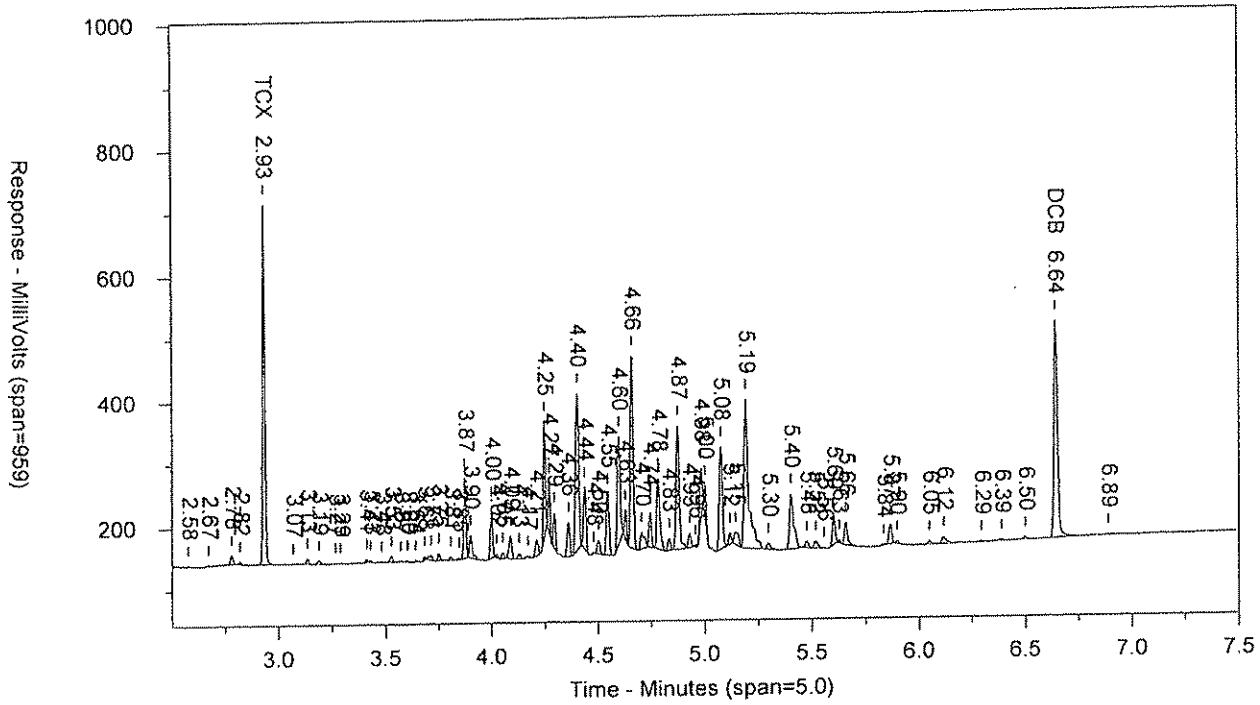
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 573104 | 4.236 | TCX | 2.602 | 982948 | 4.002 | TCX |
| 6.644 | 344513 | 5.154 | DCB | 6.085 | 786595 | 4.135 | DCB |

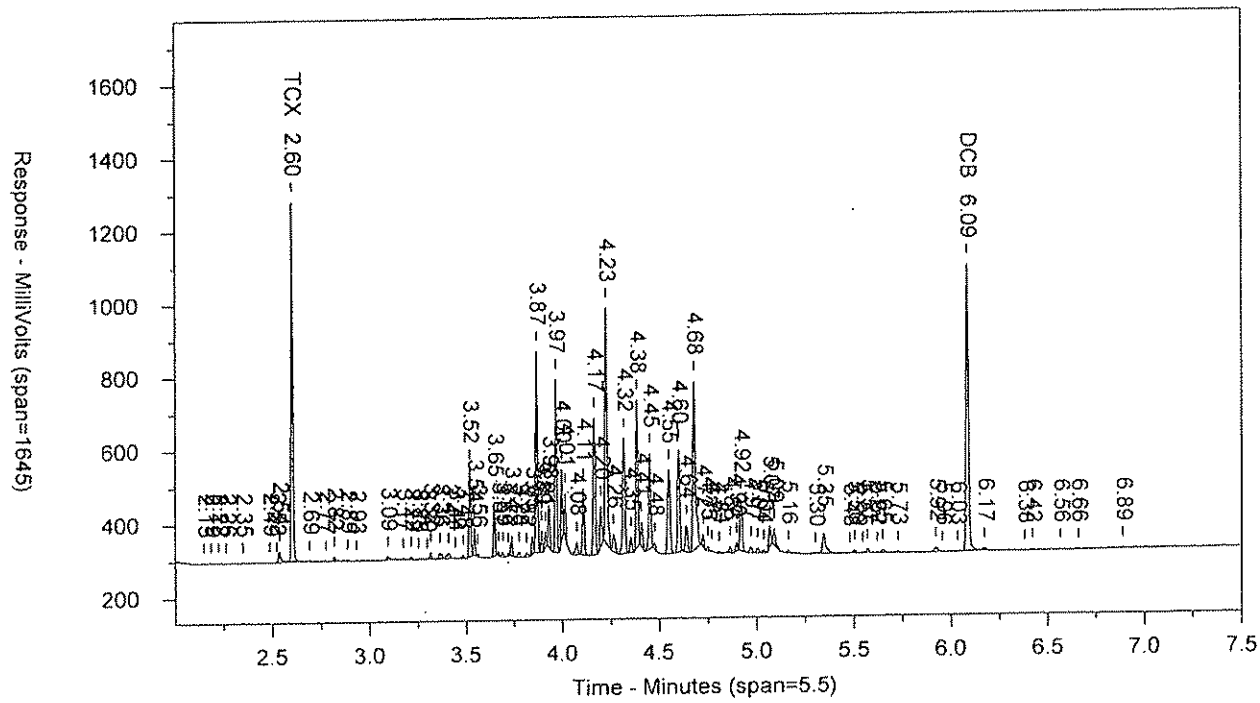
Files:
Area File: 25pcbs16207001.0017.RAW
Area File: 25pcbs16207001B.0017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:04:56 PM
File Reported On: 7/25/2016 at 9:49:18 PM

AR5411624A AAAR541AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0017.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0017.RAW



LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.043 | | 1434 | 1634 |
| 2.091 | | 9229 | 18668 |
| 2.149 | | 3678 | 8449 |
| 2.222 | | 5972 | 5139 |
| 2.314 | | 96023 | 68838 |
| 2.378 | | 1181 | 1186 |
| 2.418 | | 5477 | 5139 |
| 2.575 | | 3367 | 3300 |
| 2.668 | | 1064 | 1158 |
| 2.779 | | 15075 | 14234 |
| 2.819 | | 4384 | 3856 |
| 2.931 | TCX | 1080243 | 747102 |
| 3.084 | | 1110 | 1263 |
| 3.133 | | 16834 | 12144 |
| 3.191 | | 7327 | 7554 |
| 3.267 | | 3476 | 6129 |
| 3.374 | | 3064 | 2036 |
| 3.41 | | 8482 | 5228 |
| 3.427 | | 3576 | 2117 |
| 3.48 | | 1796 | 1838 |
| 3.527 | | 12508 | 9257 |
| 3.571 | | 1657 | 2753 |
| 3.603 | | 4252 | 2812 |
| 3.639 | | 2997 | 1878 |
| 3.699 | | 6602 | 3589 |
| 3.712 | | 6238 | 4771 |
| 3.748 | | 20132 | 15857 |
| 3.805 | | 10263 | 8224 |
| 3.844 | | 3744 | 2738 |
| 3.872 | | 222657 | 171542 |
| 3.9 | | 67409 | 60148 |
| 3.999 | | 146691 | 114076 |
| 4.024 | | 9970 | 6168 |
| 4.054 | | 17553 | 12670 |
| 4.089 | | 68558 | 61358 |
| 4.13 | | 14432 | 11762 |
| 4.178 | | 5483 | 7238 |
| 4.212 | | 34506 | 31329 |
| 4.249 | | 315624 | 238249 |
| 4.271 | | 132785 | 83323 |
| 4.295 | | 105390 | 77072 |
| 4.361 | | 101430 | 88075 |
| 4.404 | | 445702 | 471134 |
| 4.439 | | 175251 | 147651 |
| 4.479 | | 7095 | 4693 |
| 4.502 | | 36921 | 29611 |
| 4.545 | | 174247 | 160255 |
| 4.598 | | 306767 | 284186 |
| 4.629 | | 83227 | 55586 |
| 4.659 | | 566643 | 515548 |
| 4.704 | | 53250 | 68642 |
| 4.743 | | 100083 | 83157 |
| 4.782 | | 196445 | 208415 |
| 4.833 | | 41898 | 36046 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.874 | | 375671 | 391757 |
| 4.93 | | 46466 | 38033 |
| 4.956 | | 6904 | 3812 |
| 4.983 | | 137057 | 108237 |
| 5 | | 80714 | 55737 |
| 5.075 | | 300158 | 306978 |
| 5.118 | | 41732 | 32076 |
| 5.146 | | 41414 | 58391 |
| 5.192 | | 415090 | 557836 |
| 5.251 | | 9523 | 6481 |
| 5.296 | | 18575 | 22539 |
| 5.402 | | 157085 | 224062 |
| 5.477 | | 20507 | 19687 |
| 5.517 | | 18246 | 18538 |
| 5.556 | | 4383 | 3772 |
| 5.601 | | 83542 | 78243 |
| 5.626 | | 9872 | 6242 |
| 5.658 | | 72979 | 76627 |
| 5.866 | | 64990 | 62812 |
| 5.896 | | 9248 | 8960 |
| 6.05 | | 9679 | 10743 |
| 6.115 | | 15248 | 20336 |
| 6.296 | | 4105 | 4511 |
| 6.361 | | 903 | 1083 |
| 6.497 | | 7671 | 9250 |
| 6.643 | DCB | 583303 | 696193 |
| 6.947 | | 1225 | 1614 |

LANCASTER LABORATORIES

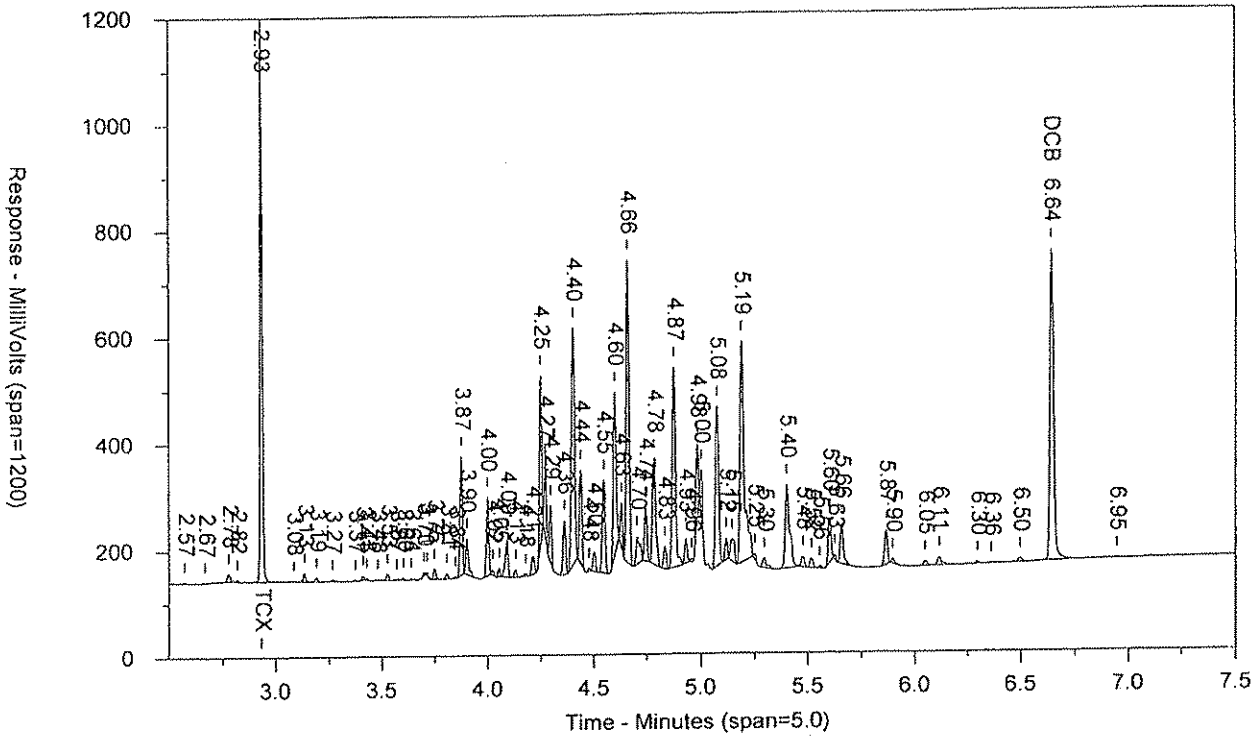
Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 3063 | 3722 |
| 2.149 | | 6088 | 4084 |
| 2.183 | | 2341 | 2738 |
| 2.223 | | 3054 | 3532 |
| 2.265 | | 1458 | 1506 |
| 2.31 | | 930 | 632 |
| 2.346 | | 1953 | 1867 |
| 2.4 | | 2559 | 2705 |
| 2.486 | | 5627 | 4748 |
| 2.52 | | 3896 | 4348 |
| 2.536 | | 31115 | 24301 |
| 2.601 | TCX | 1924573 | 1131305 |
| 2.693 | | 1698 | 1411 |
| 2.773 | | 3384 | 3811 |
| 2.818 | | 25592 | 16182 |
| 2.871 | | 1257 | 481 |
| 2.886 | | 6879 | 4869 |
| 2.935 | | 4355 | 2307 |
| 2.978 | | 5516 | 3023 |
| 3.093 | | 17216 | 20826 |
| 3.171 | | 4699 | 4862 |
| 3.216 | | 13560 | 8839 |
| 3.252 | | 6141 | 4030 |
| 3.299 | | 3613 | 2001 |
| 3.317 | | 6056 | 3218 |
| 3.365 | | 24594 | 25264 |
| 3.395 | | 6649 | 2903 |
| 3.409 | | 19900 | 13549 |
| 3.484 | | 16882 | 10968 |
| 3.519 | | 454940 | 271256 |
| 3.542 | | 140898 | 78985 |
| 3.561 | | 15697 | 7337 |
| 3.579 | | 3212 | 2497 |
| 3.613 | | 1460 | 1212 |
| 3.646 | | 275832 | 170529 |
| 3.67 | | 23329 | 11923 |
| 3.691 | | 27056 | 15726 |
| 3.72 | | 18304 | 12101 |
| 3.737 | | 104386 | 58840 |
| 3.777 | | 27161 | 19846 |
| 3.817 | | 26340 | 21673 |
| 3.845 | | 94190 | 53980 |
| 3.867 | | 1062468 | 670792 |
| 3.892 | | 115897 | 62424 |
| 3.912 | | 101074 | 53270 |
| 3.931 | | 195973 | 122354 |
| 3.966 | | 927630 | 600338 |
| 3.998 | | 355926 | 214193 |
| 4.015 | | 215568 | 114169 |
| 4.075 | | 68522 | 51149 |
| 4.109 | | 346157 | 247325 |
| 4.166 | | 750537 | 519601 |
| 4.198 | | 199210 | 146552 |
| 4.225 | | 1267103 | 912657 |

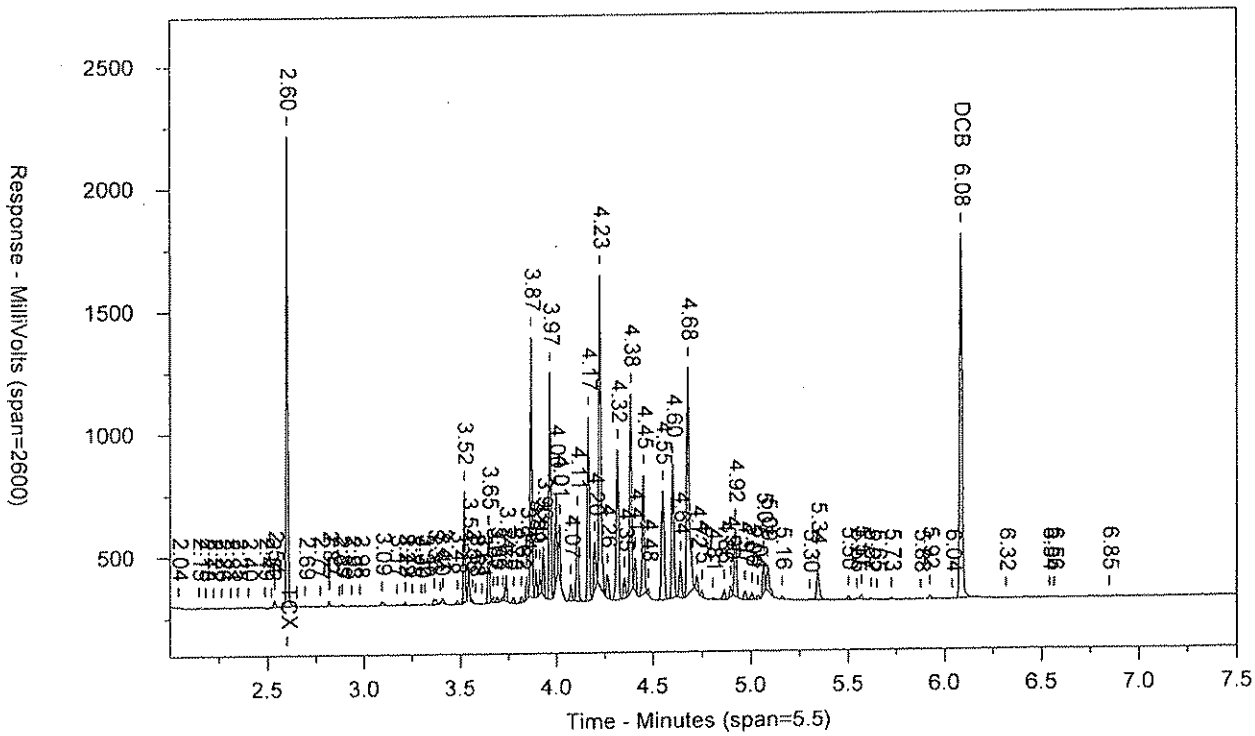
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.263 | | 96859 | 84857 |
| 4.316 | | 614241 | 492418 |
| 4.352 | | 84561 | 61672 |
| 4.384 | | 808512 | 558173 |
| 4.408 | | 134674 | 85126 |
| 4.451 | | 486479 | 366550 |
| 4.475 | | 25404 | 14383 |
| 4.549 | | 445311 | 428153 |
| 4.6 | | 549307 | 429176 |
| 4.64 | | 149548 | 117757 |
| 4.678 | | 926950 | 853529 |
| 4.724 | | 64211 | 38749 |
| 4.748 | | 29304 | 18982 |
| 4.806 | | 8426 | 8727 |
| 4.863 | | 40529 | 34837 |
| 4.897 | | 45343 | 29896 |
| 4.92 | | 274040 | 213593 |
| 4.97 | | 34357 | 28141 |
| 5.005 | | 28133 | 21926 |
| 5.036 | | 17011 | 13768 |
| 5.066 | | 128197 | 88712 |
| 5.088 | | 97785 | 81793 |
| 5.162 | | 13369 | 11482 |
| 5.303 | | 5456 | 4699 |
| 5.344 | | 118046 | 120533 |
| 5.503 | | 15336 | 12682 |
| 5.546 | | 3662 | 2565 |
| 5.57 | | 17645 | 13917 |
| 5.62 | | 6034 | 4983 |
| 5.649 | | 2273 | 2273 |
| 5.726 | | 7372 | 7723 |
| 5.877 | | 1340 | 1171 |
| 5.923 | | 14062 | 12848 |
| 6.039 | | 1225 | 1812 |
| 6.084 | DCB | 1490750 | 1331379 |
| 6.319 | | 1058 | 729 |
| 6.54 | | 1392 | 1260 |
| 6.563 | | 1545 | 1940 |
| 6.848 | | 738 | 1033 |

AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0018.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0018.RAW



LANCASTER LABORATORIES

Sample Number: AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:08:03 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

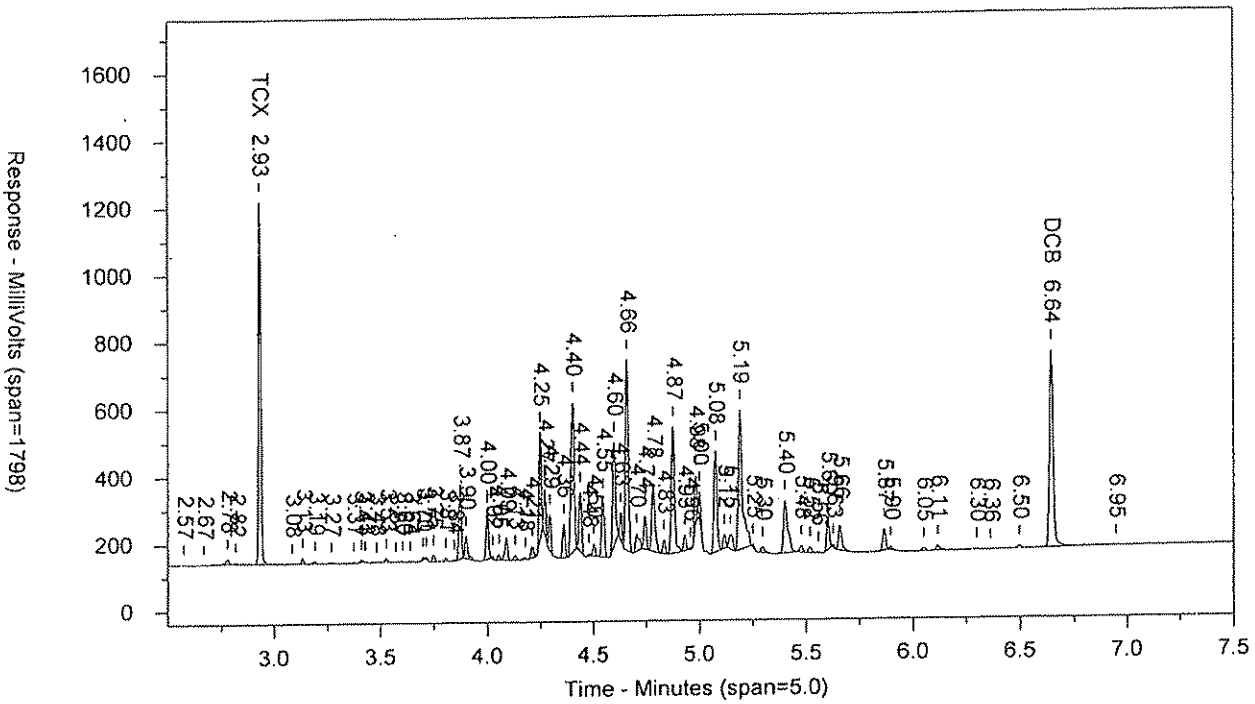
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 1080243 | 7.984 | TCX | 2.601 | 1924573 | 7.836 | TCX |
| 6.643 | 583303 | 8.726 | DCB | 6.084 | 1490750 | 7.836 | DCB |

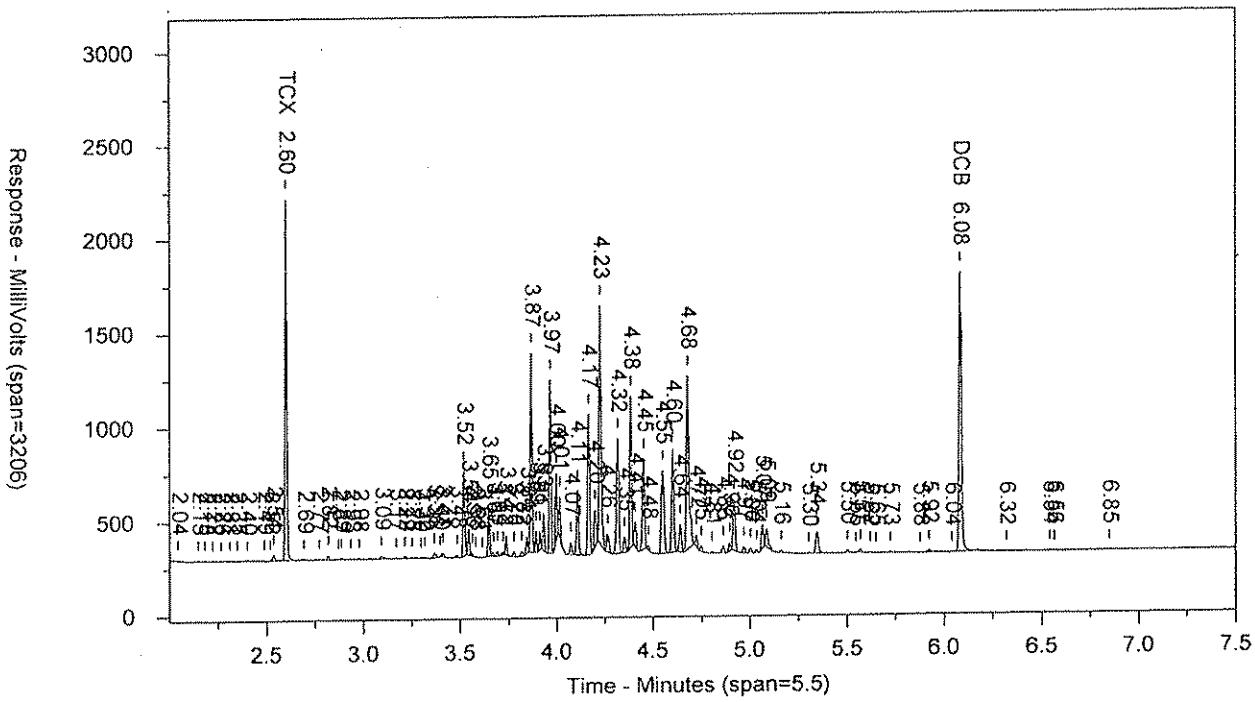
Files:
Area File: 25pcbs16207001.0018.RAW
Area File: 25pcbs16207001B.0018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:16:35 PM
File Reported On: 7/25/2016 at 9:49:28 PM

AR5421624B AAAR542AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0018.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0018.RAW



LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.094 | | 5953 | 11727 |
| 2.147 | | 1609 | 3979 |
| 2.223 | | 14728 | 12654 |
| 2.316 | | 11752 | 7326 |
| 2.334 | | 4737 | 2646 |
| 2.418 | | 6095 | 5559 |
| 2.497 | | 1107 | 2129 |
| 2.576 | | 1759 | 1556 |
| 2.671 | | 2204 | 1982 |
| 2.729 | | 1113 | 898 |
| 2.78 | | 6169 | 6451 |
| 2.821 | | 5469 | 4657 |
| 2.933 | TCX | 2737384 | 1831092 |
| 3.067 | | 1919 | 1362 |
| 3.087 | | 3056 | 2298 |
| 3.135 | | 38875 | 27983 |
| 3.193 | | 15201 | 13573 |
| 3.268 | | 6432 | 4237 |
| 3.377 | | 1701 | 1120 |
| 3.412 | | 18616 | 11490 |
| 3.43 | | 8910 | 5602 |
| 3.483 | | 4355 | 4937 |
| 3.53 | | 26316 | 20018 |
| 3.586 | | 4530 | 3807 |
| 3.605 | | 9708 | 6012 |
| 3.642 | | 7099 | 7846 |
| 3.702 | | 16358 | 8261 |
| 3.716 | | 15307 | 10967 |
| 3.751 | | 47009 | 34799 |
| 3.808 | | 22329 | 17720 |
| 3.848 | | 8579 | 6222 |
| 3.875 | | 475258 | 363174 |
| 3.902 | | 143827 | 129967 |
| 4.002 | | 312545 | 242218 |
| 4.027 | | 22259 | 13799 |
| 4.056 | | 41230 | 29628 |
| 4.092 | | 146166 | 135520 |
| 4.133 | | 33004 | 27376 |
| 4.178 | | 12204 | 15698 |
| 4.215 | | 45213 | 40271 |
| 4.252 | | 698172 | 518655 |
| 4.273 | | 280785 | 175530 |
| 4.298 | | 219852 | 164121 |
| 4.364 | | 215678 | 186755 |
| 4.407 | | 1007585 | 1011677 |
| 4.442 | | 369129 | 302625 |
| 4.483 | | 16217 | 10412 |
| 4.506 | | 84510 | 69350 |
| 4.548 | | 357233 | 336697 |
| 4.6 | | 663787 | 614182 |
| 4.632 | | 165555 | 113126 |
| 4.662 | | 1301820 | 1127252 |
| 4.707 | | 103757 | 141080 |
| 4.747 | | 201809 | 169118 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.785 | | 397489 | 431886 |
| 4.836 | | 90063 | 80549 |
| 4.877 | | 774924 | 834033 |
| 4.933 | | 93229 | 79592 |
| 4.959 | | 16464 | 9727 |
| 4.985 | | 285777 | 217391 |
| 5.003 | | 173042 | 114471 |
| 5.035 | | 11222 | 8174 |
| 5.079 | | 653096 | 661211 |
| 5.121 | | 88202 | 69193 |
| 5.148 | | 83710 | 124050 |
| 5.194 | | 910095 | 1319402 |
| 5.299 | | 43641 | 51342 |
| 5.404 | | 327835 | 462255 |
| 5.479 | | 46599 | 41850 |
| 5.52 | | 45903 | 46534 |
| 5.559 | | 8912 | 7063 |
| 5.604 | | 175425 | 165372 |
| 5.629 | | 23085 | 14951 |
| 5.659 | | 145714 | 164503 |
| 5.832 | | 3679 | 3960 |
| 5.867 | | 131206 | 131310 |
| 5.898 | | 20303 | 20557 |
| 6.052 | | 22877 | 25170 |
| 6.116 | | 41731 | 57445 |
| 6.297 | | 9105 | 10701 |
| 6.39 | | 4403 | 6740 |
| 6.499 | | 18525 | 20811 |
| 6.646 | DCB | 1258322 | 1501486 |
| 6.885 | | 2792 | 4529 |

LANCASTER LABORATORIES

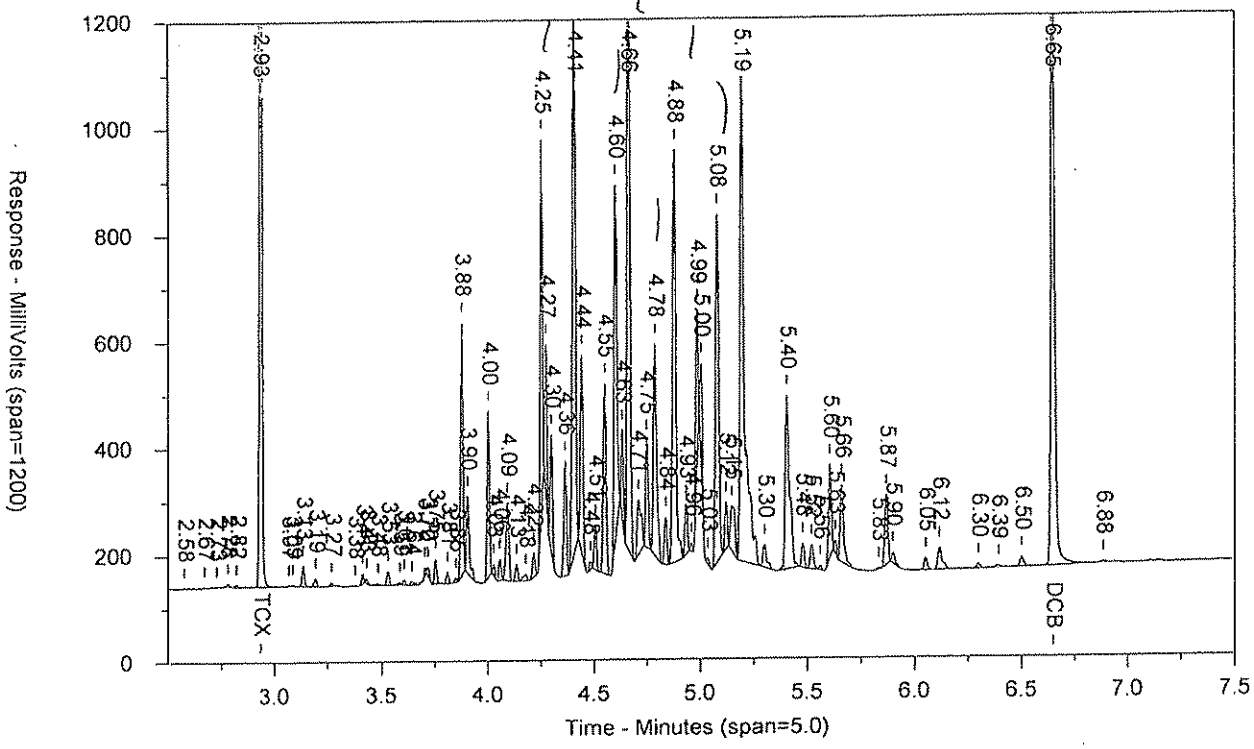
Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.045 | | 7756 | 5753 |
| 2.148 | | 1116 | 936 |
| 2.184 | | 3135 | 2542 |
| 2.264 | | 2069 | 1258 |
| 2.349 | | 1911 | 1948 |
| 2.402 | | 1760 | 1837 |
| 2.487 | | 4527 | 9771 |
| 2.52 | | 3750 | 3769 |
| 2.537 | | 10611 | 7857 |
| 2.602 | TCX | 5028740 | 2893043 |
| 2.693 | | 3351 | 3043 |
| 2.774 | | 6646 | 5120 |
| 2.819 | | 57194 | 30975 |
| 2.836 | | 4213 | 1962 |
| 2.886 | | 20654 | 13873 |
| 2.935 | | 10905 | 6159 |
| 2.979 | | 2268 | 1290 |
| 3.094 | | 35192 | 31218 |
| 3.145 | | 2323 | 1168 |
| 3.168 | | 5710 | 3773 |
| 3.217 | | 30810 | 20260 |
| 3.254 | | 15247 | 8923 |
| 3.28 | | 6969 | 3508 |
| 3.301 | | 8380 | 4352 |
| 3.318 | | 14616 | 7981 |
| 3.366 | | 53886 | 55328 |
| 3.397 | | 17976 | 8527 |
| 3.41 | | 46716 | 31147 |
| 3.486 | | 40027 | 24559 |
| 3.521 | | 1008698 | 615855 |
| 3.544 | | 320056 | 204707 |
| 3.648 | | 625722 | 372797 |
| 3.672 | | 50202 | 26193 |
| 3.693 | | 68932 | 43205 |
| 3.722 | | 42906 | 21190 |
| 3.739 | | 242989 | 143350 |
| 3.779 | | 62576 | 45857 |
| 3.817 | | 49671 | 39832 |
| 3.847 | | 225969 | 124826 |
| 3.869 | | 2478742 | 1540356 |
| 3.894 | | 250502 | 143258 |
| 3.914 | | 214972 | 117546 |
| 3.933 | | 415732 | 246678 |
| 3.968 | | 2061736 | 1384104 |
| 4 | | 818296 | 488896 |
| 4.017 | | 496508 | 258331 |
| 4.077 | | 156673 | 110190 |
| 4.112 | | 789544 | 561486 |
| 4.168 | | 1725463 | 1209467 |
| 4.201 | | 420635 | 304477 |
| 4.228 | | 2996254 | 2121419 |
| 4.266 | | 218176 | 198008 |
| 4.318 | | 1397008 | 1127916 |
| 4.355 | | 198788 | 146042 |

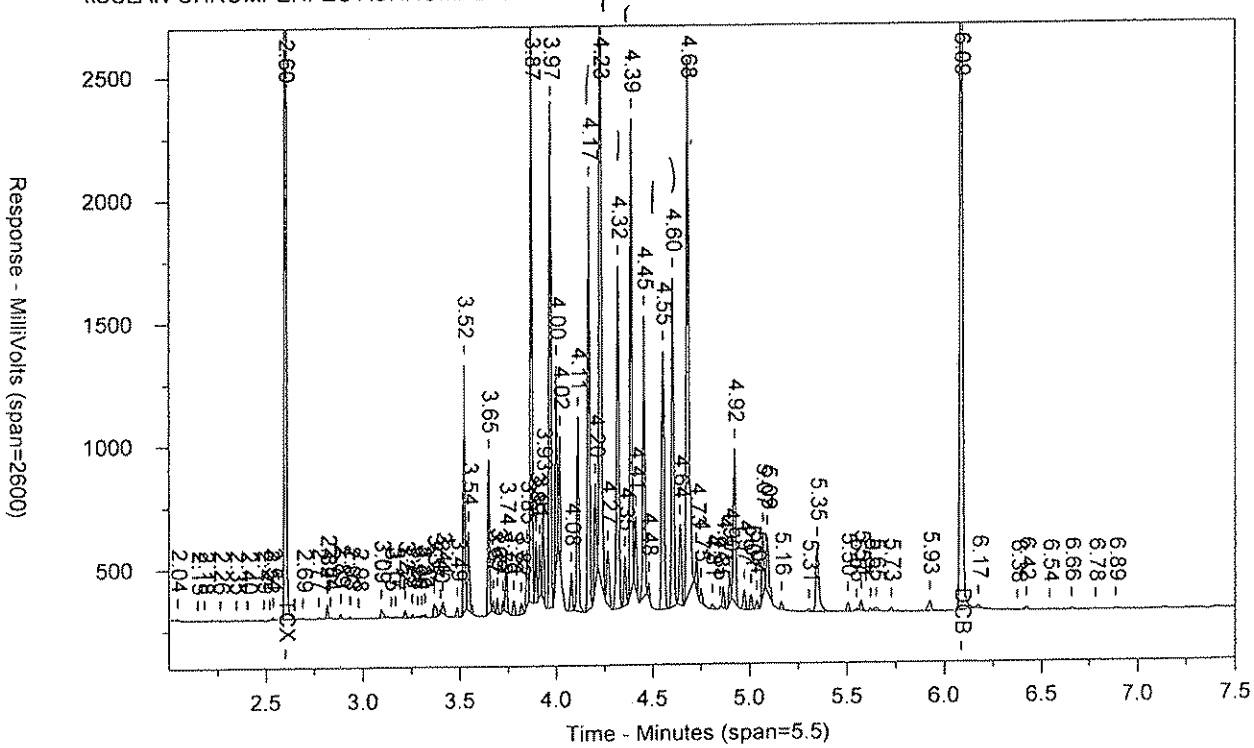
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.386 | | 1926893 | 1300911 |
| 4.41 | | 295480 | 191086 |
| 4.453 | | 1142277 | 815482 |
| 4.478 | | 60556 | 35138 |
| 4.551 | | 1051148 | 979939 |
| 4.602 | | 1341442 | 1020409 |
| 4.642 | | 326335 | 269572 |
| 4.681 | | 2190227 | 1980450 |
| 4.726 | | 148092 | 89214 |
| 4.75 | | 60338 | 42482 |
| 4.809 | | 21254 | 21813 |
| 4.848 | | 5673 | 2860 |
| 4.866 | | 87494 | 61833 |
| 4.899 | | 102312 | 68421 |
| 4.923 | | 623912 | 487937 |
| 4.973 | | 80997 | 64636 |
| 5.008 | | 63830 | 50145 |
| 5.038 | | 38469 | 31461 |
| 5.069 | | 256214 | 189683 |
| 5.092 | | 224452 | 189583 |
| 5.164 | | 33344 | 28492 |
| 5.306 | | 11169 | 9242 |
| 5.347 | | 262834 | 294684 |
| 5.505 | | 37686 | 32189 |
| 5.549 | | 9929 | 6342 |
| 5.573 | | 45030 | 34637 |
| 5.621 | | 13438 | 10123 |
| 5.651 | | 14499 | 18851 |
| 5.728 | | 14664 | 12690 |
| 5.926 | | 42107 | 54559 |
| 6.087 | DCB | 3652346 | 3166763 |
| 6.175 | | 12954 | 16397 |
| 6.377 | | 1276 | 1468 |
| 6.421 | | 11445 | 16444 |
| 6.542 | | 3296 | 2985 |
| 6.656 | | 8339 | 13058 |
| 6.782 | | 4224 | 4383 |
| 6.887 | | 6604 | 9898 |

AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0019.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0019.RAW



LANCASTER LABORATORIES

Sample Number: AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:19:52 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: 4
Calibration Type: external
Quantitation: Height

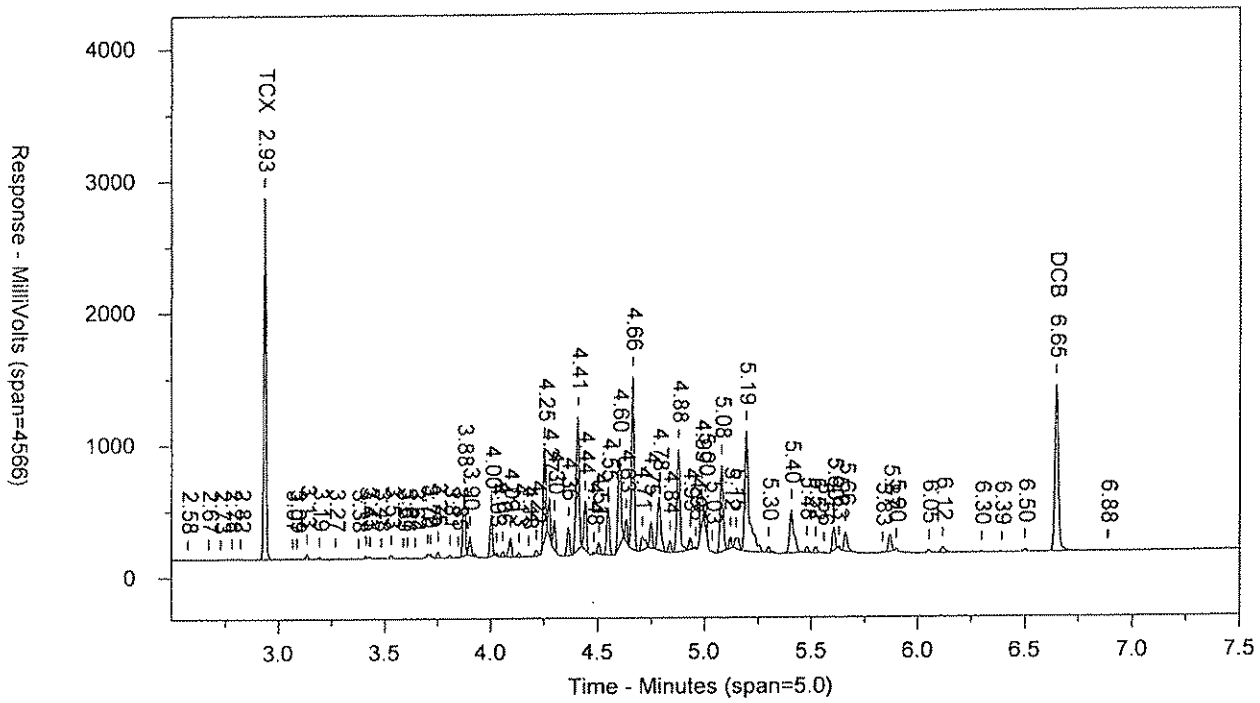
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.933 | 2737384 | 20.233 | TCX | 2.602 | 5028740 | 20.474 | TCX |
| 6.646 | 1258322 | 18.825 | DCB | 6.087 | 3652346 | 19.199 | DCB |

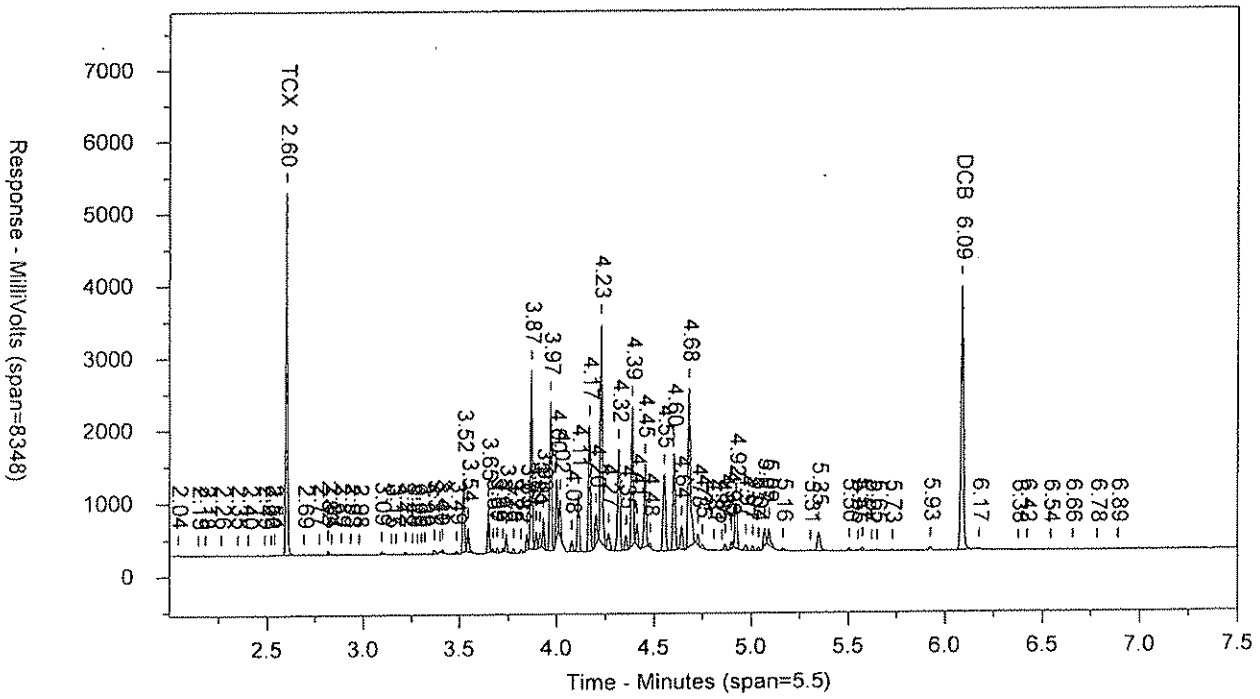
Files:
Area File: 25pcbs16207001.0019.RAW
Area File: 25pcbs16207001B.0019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:28:23 PM
File Reported On: 7/25/2016 at 9:49:40 PM

AR5431624A AAAR543AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0019.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0019.RAW



LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.039 | | 1670 | 3879 |
| 2.093 | | 7614 | 14128 |
| 2.145 | | 1767 | 3237 |
| 2.222 | | 29019 | 22151 |
| 2.315 | | 22415 | 14146 |
| 2.334 | | 9443 | 5651 |
| 2.378 | | 1222 | 1237 |
| 2.417 | | 4678 | 4455 |
| 2.492 | | 1002 | 779 |
| 2.522 | | 1919 | 1188 |
| 2.575 | | 1854 | 2143 |
| 2.676 | | 1101 | 1544 |
| 2.78 | | 12104 | 11672 |
| 2.82 | | 4118 | 3172 |
| 2.932 | TCX | 5705702 | 3819844 |
| 3.065 | | 907 | 639 |
| 3.086 | | 6509 | 5158 |
| 3.134 | | 80948 | 57131 |
| 3.192 | | 27186 | 20985 |
| 3.266 | | 13991 | 9168 |
| 3.373 | | 1418 | 795 |
| 3.411 | | 42934 | 48976 |
| 3.465 | | 2230 | 1176 |
| 3.481 | | 6140 | 4388 |
| 3.528 | | 43270 | 31825 |
| 3.584 | | 9226 | 6456 |
| 3.604 | | 18436 | 11585 |
| 3.64 | | 12914 | 14403 |
| 3.7 | | 33658 | 17255 |
| 3.713 | | 27813 | 20213 |
| 3.749 | | 88074 | 68525 |
| 3.806 | | 44531 | 34759 |
| 3.846 | | 10443 | 6760 |
| 3.873 | | 940802 | 702572 |
| 3.9 | | 263215 | 242913 |
| 4 | | 596107 | 464357 |
| 4.024 | | 47683 | 28420 |
| 4.054 | | 79463 | 57537 |
| 4.089 | | 272460 | 256683 |
| 4.131 | | 64990 | 51414 |
| 4.16 | | 4640 | 2656 |
| 4.176 | | 12506 | 8238 |
| 4.213 | | 70134 | 62112 |
| 4.25 | | 1441901 | 1034629 |
| 4.271 | | 578784 | 348590 |
| 4.295 | | 424959 | 317962 |
| 4.361 | | 394552 | 355846 |
| 4.405 | | 2067001 | 2045997 |
| 4.44 | | 733750 | 587308 |
| 4.48 | | 35504 | 23370 |
| 4.503 | | 151875 | 120659 |
| 4.546 | | 695957 | 647520 |
| 4.599 | | 1362177 | 1232120 |
| 4.63 | | 334048 | 223431 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.66 | | 2597511 | 2320992 |
| 4.706 | | 197234 | 261647 |
| 4.745 | | 389292 | 323698 |
| 4.783 | | 810930 | 827594 |
| 4.834 | | 177367 | 158238 |
| 4.876 | | 1648761 | 1692622 |
| 4.931 | | 170113 | 144718 |
| 4.957 | | 31707 | 19198 |
| 4.984 | | 563802 | 438333 |
| 5.001 | | 325721 | 195325 |
| 5.032 | | 22109 | 17459 |
| 5.076 | | 1422886 | 1353782 |
| 5.119 | | 161672 | 129587 |
| 5.146 | | 156632 | 223134 |
| 5.192 | | 1823372 | 2323980 |
| 5.254 | | 42902 | 28271 |
| 5.298 | | 85182 | 101484 |
| 5.402 | | 624133 | 884164 |
| 5.477 | | 88805 | 81064 |
| 5.517 | | 83243 | 78453 |
| 5.557 | | 19756 | 18175 |
| 5.602 | | 335708 | 318965 |
| 5.628 | | 43008 | 28577 |
| 5.658 | | 273756 | 304271 |
| 5.866 | | 243935 | 247638 |
| 5.897 | | 42234 | 40293 |
| 6.051 | | 44526 | 49220 |
| 6.116 | | 56874 | 52821 |
| 6.246 | | 865 | 1029 |
| 6.297 | | 16915 | 18093 |
| 6.344 | | 1089 | 964 |
| 6.469 | | 739 | 585 |
| 6.498 | | 35865 | 40992 |
| 6.646 | DCB | 2628372 | 2915802 |

LANCASTER LABORATORIES

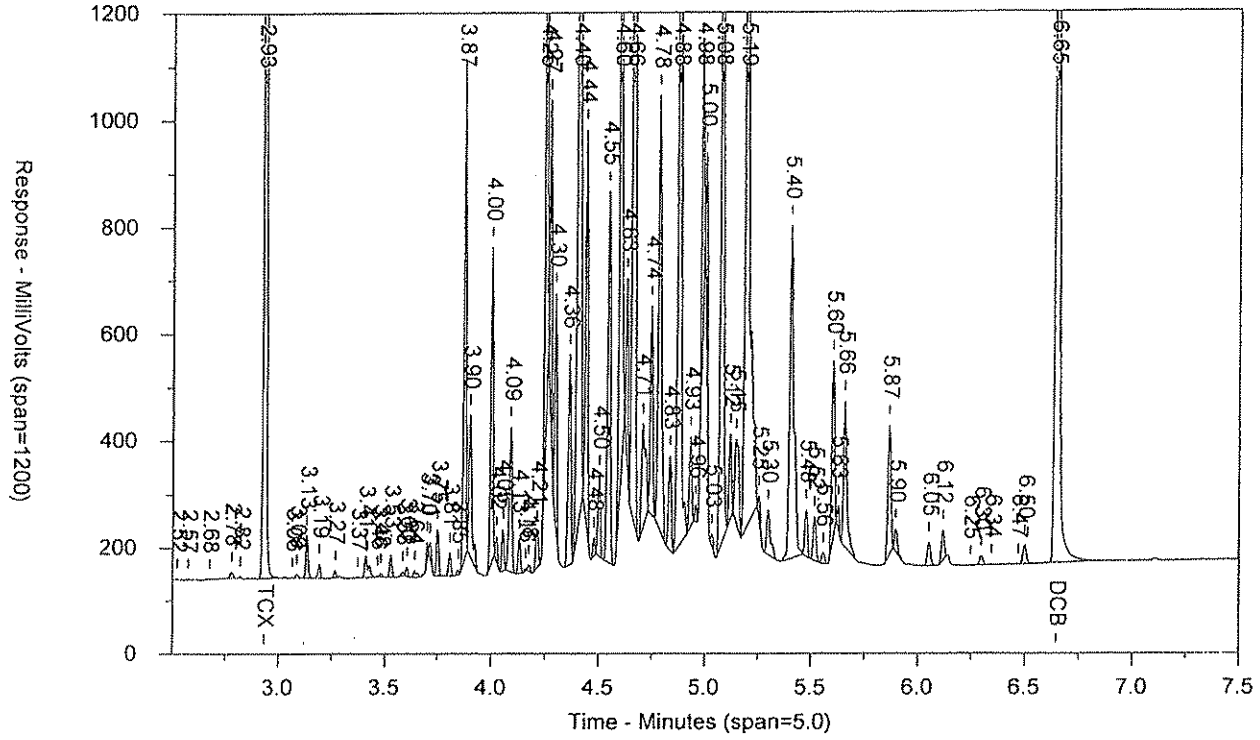
Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 15746 | 12906 |
| 2.148 | | 2515 | 2774 |
| 2.182 | | 2066 | 2186 |
| 2.222 | | 2589 | 3076 |
| 2.265 | | 3307 | 2507 |
| 2.289 | | 1749 | 2001 |
| 2.35 | | 2175 | 2290 |
| 2.451 | | 854 | 761 |
| 2.486 | | 2084 | 1559 |
| 2.52 | | 2269 | 1216 |
| 2.536 | | 23798 | 18081 |
| 2.602 | TCX | 10350430 | 6144016 |
| 2.773 | | 12247 | 9136 |
| 2.818 | | 124794 | 75800 |
| 2.886 | | 38657 | 23470 |
| 2.934 | | 22112 | 13081 |
| 2.978 | | 1939 | 1025 |
| 2.997 | | 4976 | 2817 |
| 3.093 | | 70976 | 69212 |
| 3.145 | | 4867 | 2571 |
| 3.166 | | 11408 | 7649 |
| 3.193 | | 2539 | 1353 |
| 3.216 | | 60564 | 40076 |
| 3.253 | | 28970 | 16801 |
| 3.279 | | 14965 | 7531 |
| 3.3 | | 17081 | 8883 |
| 3.316 | | 18356 | 9848 |
| 3.365 | | 108232 | 108536 |
| 3.396 | | 32698 | 15026 |
| 3.409 | | 96232 | 66128 |
| 3.485 | | 78910 | 49952 |
| 3.52 | | 2133318 | 1247789 |
| 3.543 | | 620415 | 354791 |
| 3.561 | | 71894 | 33022 |
| 3.647 | | 1295699 | 789326 |
| 3.671 | | 109193 | 56416 |
| 3.692 | | 140723 | 90868 |
| 3.721 | | 80141 | 38073 |
| 3.738 | | 494517 | 290731 |
| 3.778 | | 130776 | 93115 |
| 3.816 | | 98590 | 77457 |
| 3.846 | | 452351 | 255949 |
| 3.867 | | 5376654 | 3294910 |
| 3.892 | | 522686 | 296854 |
| 3.912 | | 447198 | 253992 |
| 3.932 | | 832642 | 501040 |
| 3.967 | | 4504861 | 2928812 |
| 3.998 | | 1740530 | 1021209 |
| 4.016 | | 1034416 | 528573 |
| 4.075 | | 315985 | 220179 |
| 4.11 | | 1645633 | 1155911 |
| 4.167 | | 3723030 | 2606733 |
| 4.199 | | 937486 | 648878 |
| 4.226 | | 6542919 | 4628714 |

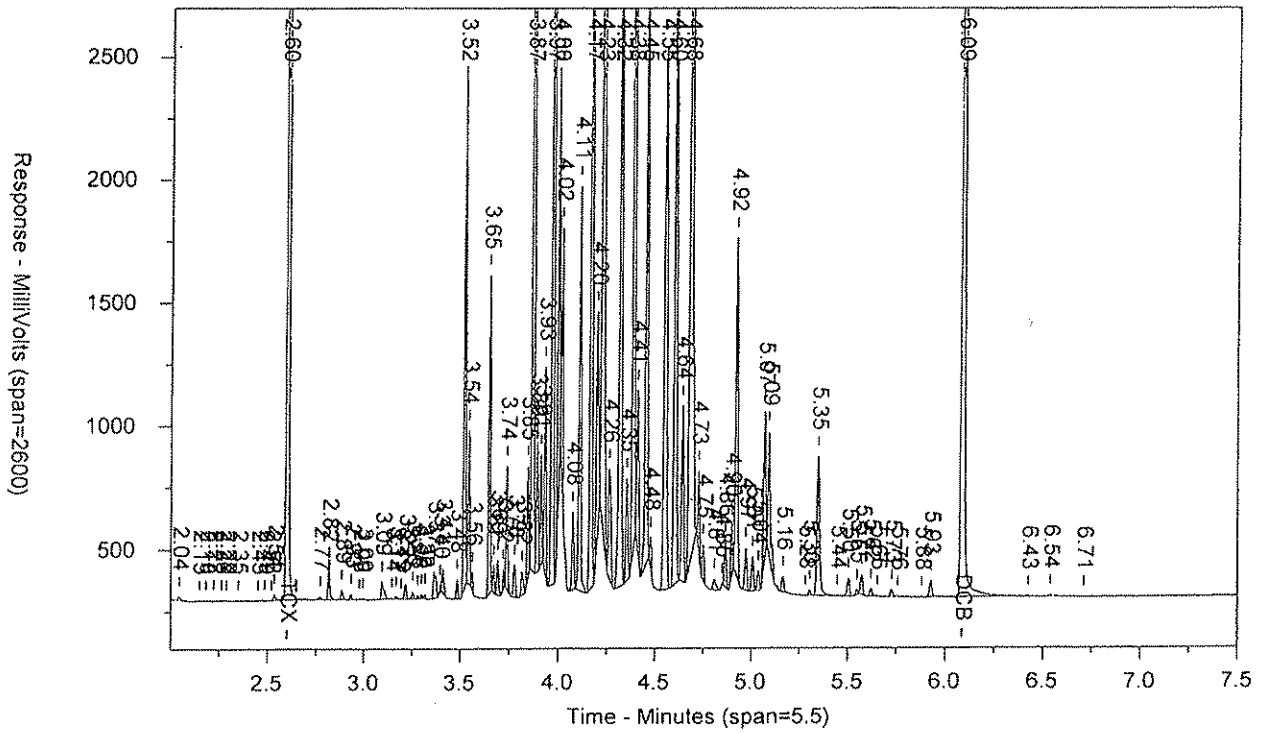
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.264 | | 440672 | 402978 |
| 4.317 | | 3026052 | 2375997 |
| 4.353 | | 415414 | 304781 |
| 4.385 | | 4187104 | 2858382 |
| 4.409 | | 645096 | 396528 |
| 4.451 | | 2455402 | 1757501 |
| 4.476 | | 117536 | 66209 |
| 4.549 | | 2196264 | 2073789 |
| 4.601 | | 2927844 | 2266188 |
| 4.641 | | 712366 | 561092 |
| 4.679 | | 4836676 | 4309935 |
| 4.725 | | 318548 | 195835 |
| 4.749 | | 143277 | 97726 |
| 4.807 | | 45750 | 47233 |
| 4.847 | | 10626 | 5859 |
| 4.865 | | 179703 | 133888 |
| 4.899 | | 213113 | 141874 |
| 4.921 | | 1366675 | 1043262 |
| 4.972 | | 172468 | 135592 |
| 5.007 | | 139928 | 107140 |
| 5.037 | | 80238 | 65328 |
| 5.067 | | 609721 | 431905 |
| 5.089 | | 491166 | 408031 |
| 5.163 | | 62692 | 53035 |
| 5.281 | | 1670 | 872 |
| 5.305 | | 22353 | 17367 |
| 5.346 | | 563959 | 565278 |
| 5.445 | | 2031 | 1625 |
| 5.504 | | 73271 | 61675 |
| 5.547 | | 20758 | 14530 |
| 5.572 | | 81232 | 64919 |
| 5.62 | | 30183 | 25698 |
| 5.652 | | 2791 | 2817 |
| 5.726 | | 28980 | 24427 |
| 5.758 | | 1517 | 1072 |
| 5.878 | | 2369 | 2724 |
| 5.926 | | 65025 | 55656 |
| 6.086 | DCB | 7578584 | 6774532 |
| 6.425 | | 2257 | 2977 |
| 6.539 | | 6554 | 5628 |
| 6.709 | | 1215 | 3646 |

AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0020.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0020.RAW



LANCASTER LABORATORIES

Sample Number: AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:31:33 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

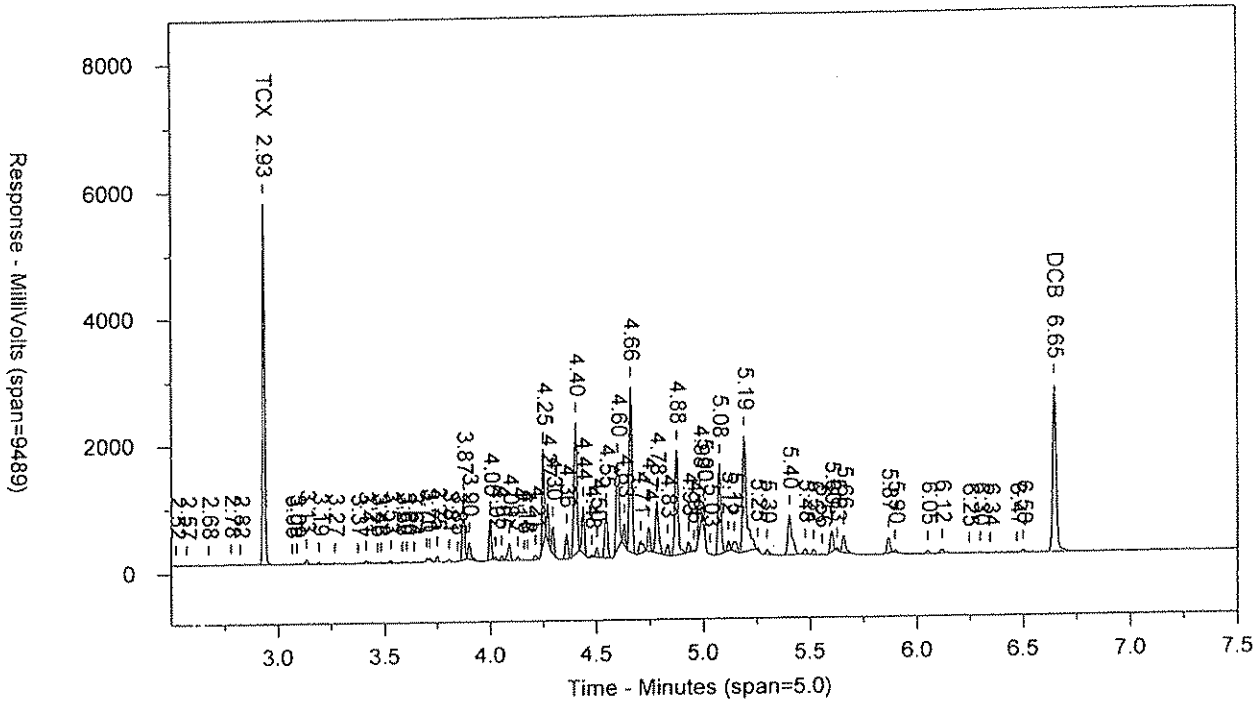
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5705702 | 42.172 | TCX | 2.602 | 10350430 | 42.141 | TCX |
| 6.646 | 2628372 | 39.322 | DCB | 6.086 | 7578584 | 39.837 | DCB |

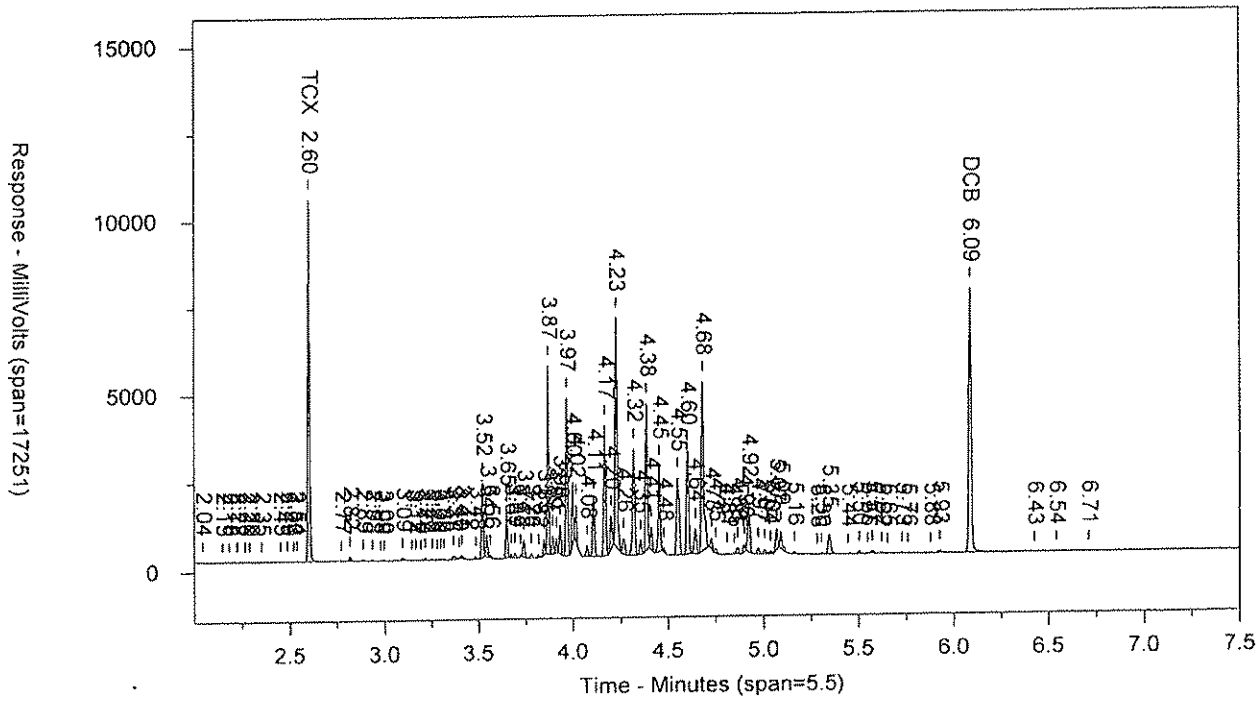
Files:
Area File: 25pcbs16207001.0020.RAW
Area File: 25pcbs16207001B.0020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:40:03 PM
File Reported On: 7/25/2016 at 9:49:52 PM

AR5441624A AAAR544AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0020.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0020.RAW



LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.039 | | 2169 | 4954 |
| 2.091 | | 8889 | 18159 |
| 2.148 | | 3188 | 6382 |
| 2.222 | | 56429 | 42209 |
| 2.314 | | 15596 | 9377 |
| 2.333 | | 20758 | 12754 |
| 2.38 | | 1291 | 1256 |
| 2.418 | | 5066 | 5520 |
| 2.571 | | 1875 | 2106 |
| 2.669 | | 1683 | 1660 |
| 2.779 | | 8607 | 8322 |
| 2.82 | | 4247 | 3747 |
| 2.854 | | 845 | 655 |
| 2.931 | TCX | 11145900 | 7477756 |
| 3.035 | | 2389 | 1374 |
| 3.085 | | 12283 | 11546 |
| 3.132 | | 149554 | 108170 |
| 3.191 | | 48382 | 36713 |
| 3.265 | | 27296 | 17719 |
| 3.286 | | 5188 | 3295 |
| 3.408 | | 79824 | 90407 |
| 3.463 | | 3981 | 2234 |
| 3.479 | | 12197 | 8446 |
| 3.525 | | 77442 | 57161 |
| 3.581 | | 19035 | 11215 |
| 3.601 | | 31972 | 20516 |
| 3.637 | | 24813 | 26483 |
| 3.709 | | 118641 | 195104 |
| 3.746 | | 163238 | 127494 |
| 3.803 | | 80462 | 65778 |
| 3.843 | | 16440 | 10677 |
| 3.87 | | 1716832 | 1298641 |
| 3.898 | | 469375 | 430830 |
| 3.997 | | 1090917 | 842414 |
| 4.021 | | 79405 | 50237 |
| 4.052 | | 140883 | 103693 |
| 4.087 | | 487631 | 460623 |
| 4.128 | | 117320 | 94822 |
| 4.157 | | 8534 | 4786 |
| 4.173 | | 24371 | 15853 |
| 4.209 | | 111055 | 96029 |
| 4.247 | | 2737456 | 1988075 |
| 4.268 | | 1089142 | 675489 |
| 4.292 | | 782911 | 577055 |
| 4.359 | | 724606 | 638610 |
| 4.401 | | 3984562 | 3907985 |
| 4.437 | | 1345629 | 1079736 |
| 4.477 | | 59080 | 40346 |
| 4.5 | | 248982 | 202391 |
| 4.543 | | 1325451 | 1179790 |
| 4.595 | | 2741059 | 2381801 |
| 4.627 | | 616381 | 418911 |
| 4.657 | | 5252363 | 4510482 |
| 4.702 | | 354891 | 473540 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.742 | | 740041 | 600576 |
| 4.78 | | 1484649 | 1520986 |
| 4.831 | | 314113 | 282446 |
| 4.872 | | 3348653 | 3008604 |
| 4.9 | | 55497 | 32068 |
| 4.928 | | 303304 | 251392 |
| 4.953 | | 60958 | 37769 |
| 4.981 | | 1109410 | 843789 |
| 4.998 | | 605567 | 391374 |
| 5.03 | | 43603 | 32150 |
| 5.074 | | 2722582 | 2599187 |
| 5.117 | | 295220 | 235243 |
| 5.142 | | 282509 | 396993 |
| 5.189 | | 3728235 | 4408446 |
| 5.252 | | 79957 | 54682 |
| 5.295 | | 142762 | 181546 |
| 5.4 | | 1159925 | 1582555 |
| 5.475 | | 144534 | 137816 |
| 5.515 | | 142164 | 136752 |
| 5.555 | | 39437 | 35262 |
| 5.6 | | 653747 | 591069 |
| 5.625 | | 78333 | 55429 |
| 5.656 | | 503349 | 536614 |
| 5.864 | | 432715 | 436345 |
| 5.894 | | 72623 | 73946 |
| 5.956 | | 2572 | 2761 |
| 6.048 | | 79990 | 89301 |
| 6.113 | | 117469 | 165593 |
| 6.247 | | 1074 | 1342 |
| 6.294 | | 34292 | 35261 |
| 6.339 | | 2209 | 3119 |
| 6.423 | | 2108 | 1923 |
| 6.461 | | 1307 | 1014 |
| 6.496 | | 67601 | 74730 |
| 6.596 | | 1007 | 1017 |
| 6.643 | DCB | 5053159 | 5509438 |

LANCASTER LABORATORIES

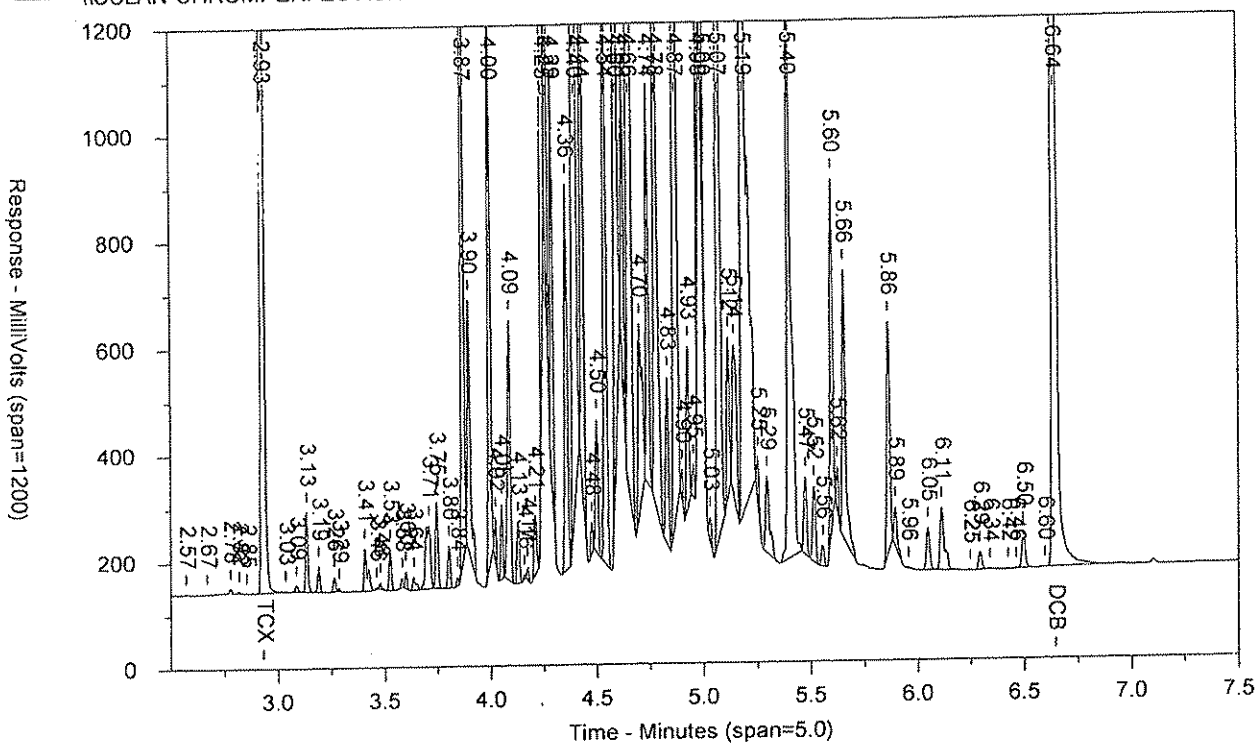
Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.045 | | 29511 | 22047 |
| 2.138 | | 2590 | 3628 |
| 2.185 | | 3083 | 3119 |
| 2.226 | | 2453 | 2881 |
| 2.264 | | 1267 | 884 |
| 2.291 | | 1848 | 1227 |
| 2.351 | | 3290 | 3192 |
| 2.387 | | 1046 | 1321 |
| 2.522 | | 1912 | 1046 |
| 2.537 | | 15169 | 11092 |
| 2.602 | TCX | 20705460 | 12121650 |
| 2.774 | | 23277 | 16997 |
| 2.799 | | 2023 | 904 |
| 2.819 | | 238962 | 145447 |
| 2.886 | | 72727 | 44415 |
| 2.934 | | 43646 | 25391 |
| 2.997 | | 9794 | 6368 |
| 3.059 | | 1136 | 573 |
| 3.093 | | 135432 | 127666 |
| 3.145 | | 10248 | 5432 |
| 3.166 | | 21266 | 12462 |
| 3.191 | | 5339 | 2861 |
| 3.215 | | 116058 | 75384 |
| 3.252 | | 57080 | 33336 |
| 3.279 | | 33869 | 17651 |
| 3.299 | | 32472 | 16353 |
| 3.315 | | 30178 | 15945 |
| 3.364 | | 206345 | 206727 |
| 3.394 | | 62692 | 28384 |
| 3.408 | | 183648 | 127290 |
| 3.483 | | 151990 | 92167 |
| 3.518 | | 4069020 | 2375021 |
| 3.541 | | 1214241 | 665730 |
| 3.559 | | 136666 | 64601 |
| 3.645 | | 2527181 | 1487693 |
| 3.668 | | 203619 | 107251 |
| 3.689 | | 245074 | 161498 |
| 3.718 | | 159754 | 76203 |
| 3.735 | | 945531 | 546067 |
| 3.775 | | 241944 | 175244 |
| 3.814 | | 186323 | 148071 |
| 3.844 | | 845771 | 484404 |
| 3.866 | | 10343650 | 6347024 |
| 3.89 | | 1060784 | 572300 |
| 3.91 | | 869650 | 475256 |
| 3.93 | | 1587955 | 926726 |
| 3.965 | | 8962875 | 5634975 |
| 3.996 | | 3472954 | 2003716 |
| 4.013 | | 2089464 | 1037140 |
| 4.073 | | 598273 | 409532 |
| 4.107 | | 3237089 | 2207418 |
| 4.164 | | 7249418 | 5016382 |
| 4.196 | | 1846576 | 1309273 |
| 4.224 | | 13062430 | 9033596 |

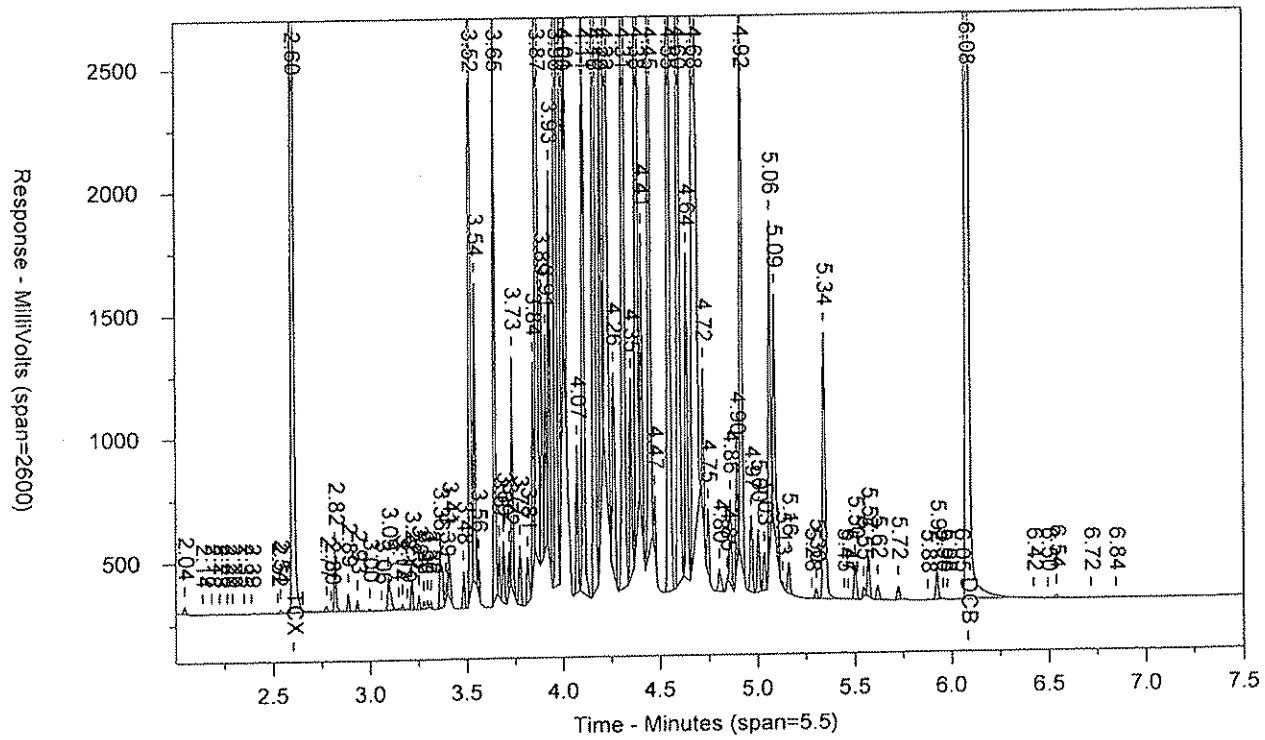
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.262 | | 815494 | 759104 |
| 4.314 | | 5879937 | 4595589 |
| 4.35 | | 809515 | 584482 |
| 4.382 | | 8204182 | 5618273 |
| 4.406 | | 1165328 | 752861 |
| 4.449 | | 4706802 | 3408493 |
| 4.474 | | 234505 | 137345 |
| 4.548 | | 4402275 | 4020128 |
| 4.598 | | 5951903 | 4515624 |
| 4.638 | | 1323133 | 1070638 |
| 4.677 | | 9309614 | 8359164 |
| 4.723 | | 611596 | 375370 |
| 4.746 | | 259172 | 177869 |
| 4.805 | | 90474 | 94929 |
| 4.845 | | 16879 | 8954 |
| 4.861 | | 341087 | 252153 |
| 4.896 | | 413115 | 269994 |
| 4.919 | | 2681730 | 2031540 |
| 4.969 | | 308914 | 254932 |
| 5.004 | | 256830 | 204336 |
| 5.034 | | 156663 | 125293 |
| 5.065 | | 1312503 | 908870 |
| 5.087 | | 948087 | 806972 |
| 5.128 | | 22163 | 11970 |
| 5.161 | | 126252 | 104529 |
| 5.279 | | 2687 | 1644 |
| 5.303 | | 40353 | 32842 |
| 5.343 | | 1084923 | 1069731 |
| 5.447 | | 3614 | 2347 |
| 5.467 | | 1621 | 939 |
| 5.502 | | 138637 | 118293 |
| 5.546 | | 41967 | 29736 |
| 5.57 | | 162365 | 126700 |
| 5.618 | | 57335 | 53730 |
| 5.724 | | 55993 | 45662 |
| 5.877 | | 2928 | 2686 |
| 5.924 | | 121952 | 102472 |
| 5.957 | | 4250 | 2714 |
| 5.978 | | 2613 | 1659 |
| 6.05 | | 1433 | 1235 |
| 6.084 | DCB | 15638010 | 13159000 |
| 6.422 | | 1931 | 2010 |
| 6.496 | | 1621 | 1145 |
| 6.537 | | 12390 | 10669 |
| 6.715 | | 1929 | 2889 |
| 6.844 | | 812 | 859 |

AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0021.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0021.RAW



LANCASTER LABORATORIES

Sample Number: AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:42:53 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

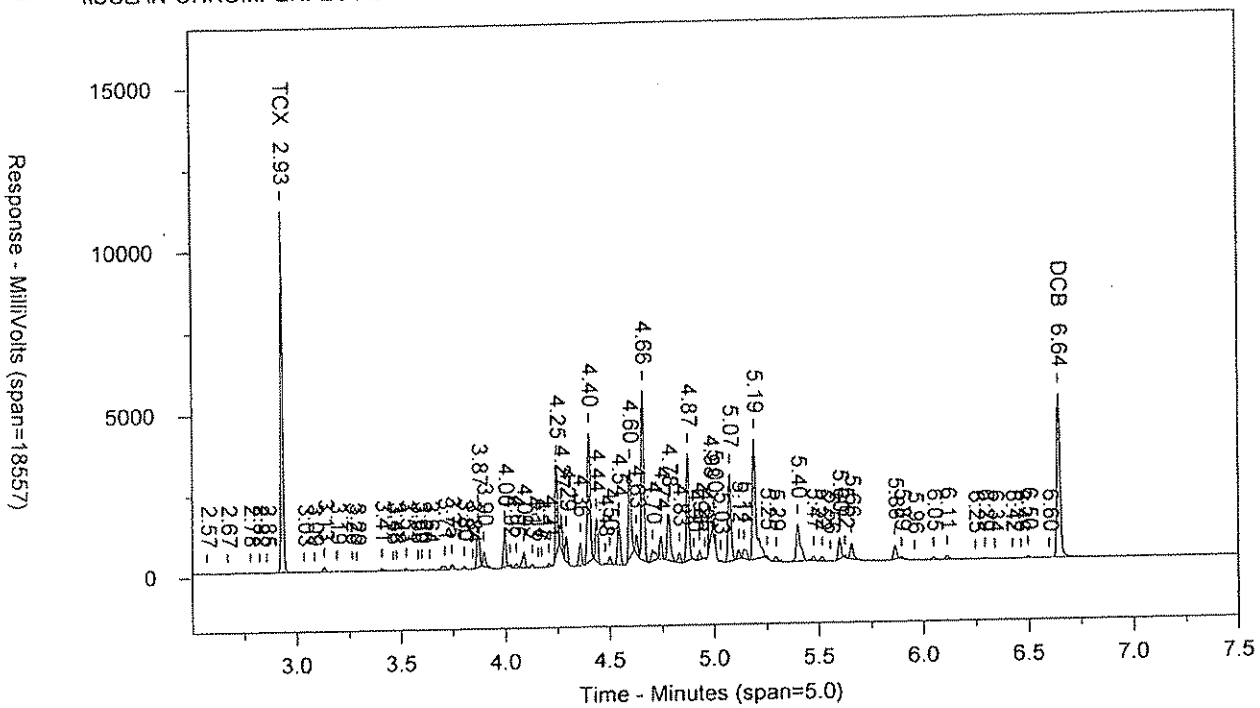
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.931 | 11145900 | 82.382 | TCX | 2.602 | 20705460 | 84.301 | TCX |
| 6.643 | 5053159 | 75.598 | DCB | 6.084 | 15638010 | 82.202 | DCB |

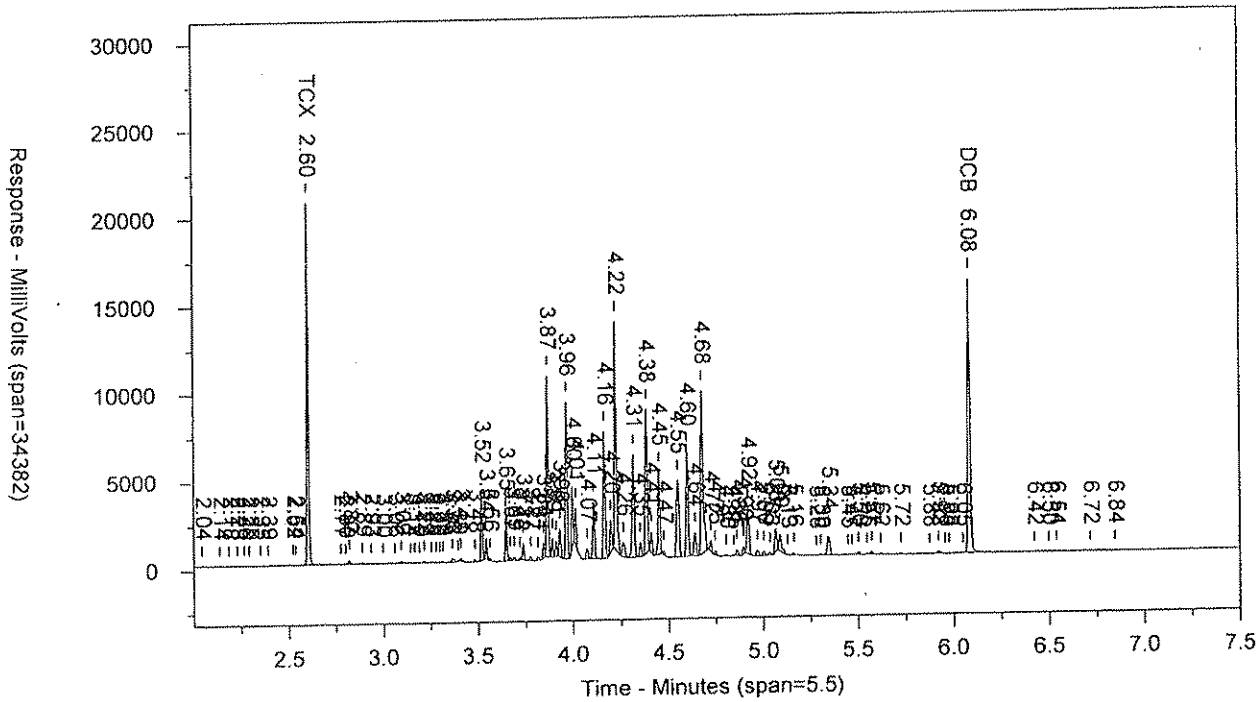
Files:
Area File: 25pcbs16207001.0021.RAW
Area File: 25pcbs16207001B.0021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 8:51:26 PM
File Reported On: 7/25/2016 at 9:50:04 PM

AR5451624A AAAR545AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0021.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0021.RAW



LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.092 | | 7743 | 15799 |
| 2.15 | | 3095 | 8854 |
| 2.236 | | 1200 | 1235 |
| 2.314 | | 18542 | 13256 |
| 2.379 | | 1183 | 1473 |
| 2.416 | | 4622 | 4185 |
| 2.496 | | 1123 | 2063 |
| 2.578 | | 1539 | 2154 |
| 2.672 | | 1324 | 1327 |
| 2.78 | | 10870 | 12431 |
| 2.821 | | 3890 | 3184 |
| 2.863 | | 707 | 684 |
| 2.934 | TCX | 2392 | 2246 |
| 3.065 | | 1099 | 748 |
| 3.086 | | 2352 | 2423 |
| 3.144 | | 3587 | 2327 |
| 3.192 | | 19189 | 15228 |
| 3.287 | | 3086 | 3898 |
| 3.375 | | 1217 | 1000 |
| 3.41 | | 20429 | 12319 |
| 3.427 | | 10080 | 5532 |
| 3.464 | | 2340 | 1301 |
| 3.5 | | 1288 | 925 |
| 3.527 | | 28673 | 20506 |
| 3.568 | | 1656 | 1831 |
| 3.602 | | 3068 | 2255 |
| 3.639 | | 6804 | 7934 |
| 3.7 | | 11363 | 5866 |
| 3.71 | | 19392 | 10026 |
| 3.748 | | 29282 | 23560 |
| 3.806 | | 23248 | 18217 |
| 3.845 | | 3369 | 2651 |
| 3.873 | | 27431 | 20433 |
| 3.906 | | 20385 | 28520 |
| 3.999 | | 23511 | 16803 |
| 4.024 | | 6097 | 3935 |
| 4.054 | | 7045 | 4910 |
| 4.089 | | 18765 | 25494 |
| 4.129 | | 6654 | 5488 |
| 4.172 | | 2942 | 3767 |
| 4.213 | | 25728 | 22294 |
| 4.25 | | 135606 | 108197 |
| 4.271 | | 13819 | 7623 |
| 4.294 | | 19000 | 13591 |
| 4.319 | | 3145 | 2155 |
| 4.361 | | 17468 | 15586 |
| 4.405 | | 169695 | 162512 |
| 4.439 | | 18143 | 12905 |
| 4.502 | | 7197 | 7804 |
| 4.542 | | 47714 | 49609 |
| 4.614 | | 144520 | 177735 |
| 4.66 | | 86339 | 76952 |
| 4.705 | | 439444 | 471911 |
| 4.743 | | 85478 | 63887 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.783 | | 675930 | 668456 |
| 4.823 | | 15873 | 14053 |
| 4.872 | | 52516 | 62315 |
| 4.905 | | 6402 | 4150 |
| 4.93 | | 99286 | 92755 |
| 4.983 | | 722981 | 856424 |
| 5.033 | | 377548 | 355491 |
| 5.076 | | 354767 | 464010 |
| 5.119 | | 10591 | 6804 |
| 5.155 | | 45350 | 42264 |
| 5.19 | | 605358 | 675825 |
| 5.23 | | 5222 | 1942 |
| 5.254 | | 938880 | 932375 |
| 5.297 | | 447226 | 449428 |
| 5.392 | | 157404 | 128184 |
| 5.418 | | 818367 | 883950 |
| 5.477 | | 365804 | 394549 |
| 5.517 | | 119376 | 96610 |
| 5.558 | | 54462 | 51834 |
| 5.602 | | 172434 | 179435 |
| 5.658 | | 1866165 | 2254691 |
| 5.861 | | 1068440 | 1223000 |
| 5.918 | | 544455 | 920584 |
| 6.05 | | 78815 | 79190 |
| 6.117 | | 20430 | 15569 |
| 6.138 | | 291164 | 276481 |
| 6.297 | | 663625 | 751777 |
| 6.342 | | 41729 | 38660 |
| 6.5 | | 277715 | 334956 |
| 6.647 | DCB | 10730 | 10853 |
| 6.731 | | 1440 | 2088 |

LANCASTER LABORATORIES

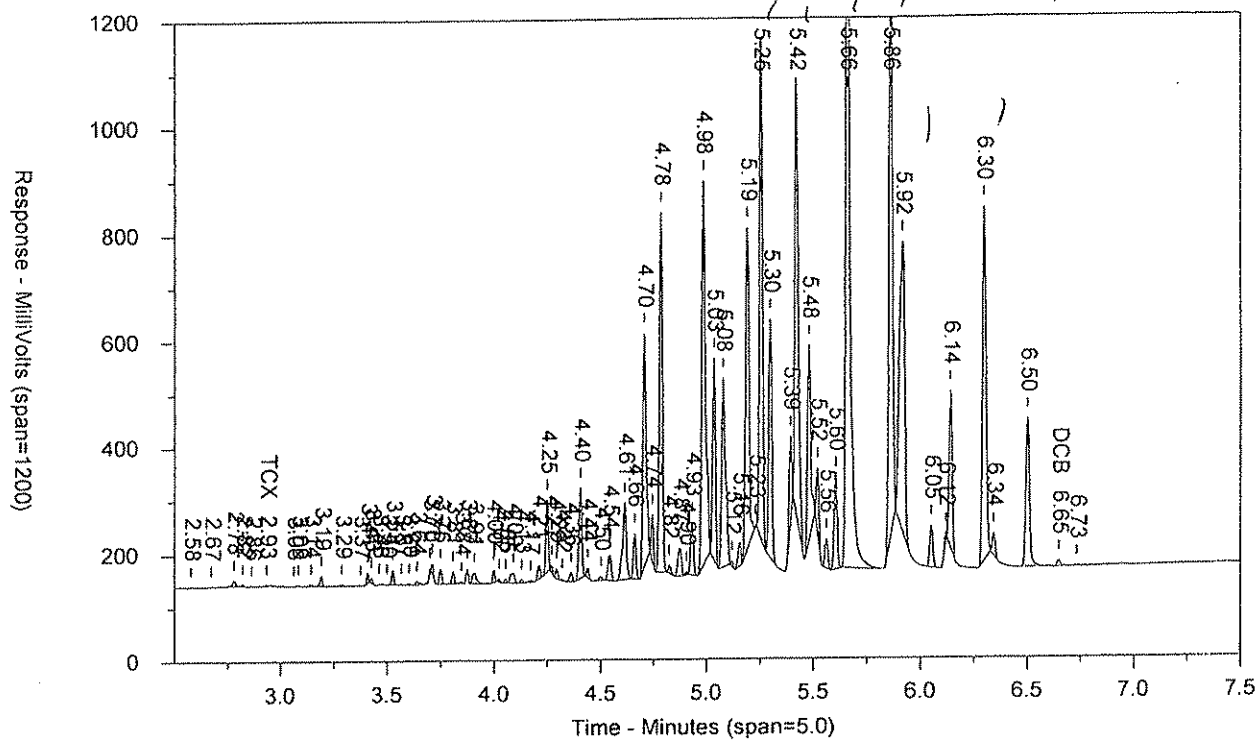
Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.148 | | 2841 | 3069 |
| 2.185 | | 1964 | 1968 |
| 2.221 | | 2123 | 2618 |
| 2.35 | | 2404 | 2528 |
| 2.401 | | 1489 | 3396 |
| 2.486 | | 2091 | 1661 |
| 2.52 | | 2396 | 2141 |
| 2.536 | | 20959 | 15863 |
| 2.584 | TCX | 1512 | 3004 |
| 2.644 | | 2358 | 1761 |
| 2.694 | | 1970 | 2242 |
| 2.774 | | 4137 | 2923 |
| 2.835 | | 6242 | 4246 |
| 2.886 | | 27226 | 17383 |
| 2.979 | | 1494 | 831 |
| 2.996 | | 3745 | 2254 |
| 3.093 | | 39379 | 38909 |
| 3.144 | | 2767 | 1406 |
| 3.172 | | 4229 | 3205 |
| 3.215 | | 37283 | 23779 |
| 3.253 | | 3200 | 1693 |
| 3.299 | | 9557 | 4646 |
| 3.315 | | 9536 | 5378 |
| 3.374 | | 63334 | 64343 |
| 3.408 | | 40089 | 32080 |
| 3.483 | | 39310 | 24839 |
| 3.519 | | 47921 | 28755 |
| 3.543 | | 50905 | 33833 |
| 3.58 | | 6070 | 5274 |
| 3.647 | | 42219 | 26043 |
| 3.67 | | 13290 | 6915 |
| 3.691 | | 8301 | 4565 |
| 3.72 | | 18639 | 10491 |
| 3.737 | | 25400 | 14403 |
| 3.776 | | 13338 | 9852 |
| 3.816 | | 17333 | 14552 |
| 3.846 | | 15939 | 9343 |
| 3.866 | | 301968 | 192716 |
| 3.892 | | 29327 | 16767 |
| 3.913 | | 5089 | 2434 |
| 3.93 | | 54909 | 40324 |
| 3.966 | | 328011 | 215535 |
| 3.999 | | 59380 | 72970 |
| 4.06 | | 5991 | 3642 |
| 4.076 | | 5190 | 3101 |
| 4.099 | | 54607 | 63833 |
| 4.165 | | 74867 | 51428 |
| 4.207 | | 226313 | 148508 |
| 4.238 | | 970561 | 709493 |
| 4.265 | | 250932 | 248612 |
| 4.315 | | 1706846 | 1224941 |
| 4.355 | | 34621 | 27899 |
| 4.384 | | 58815 | 37667 |
| 4.409 | | 239441 | 172481 |

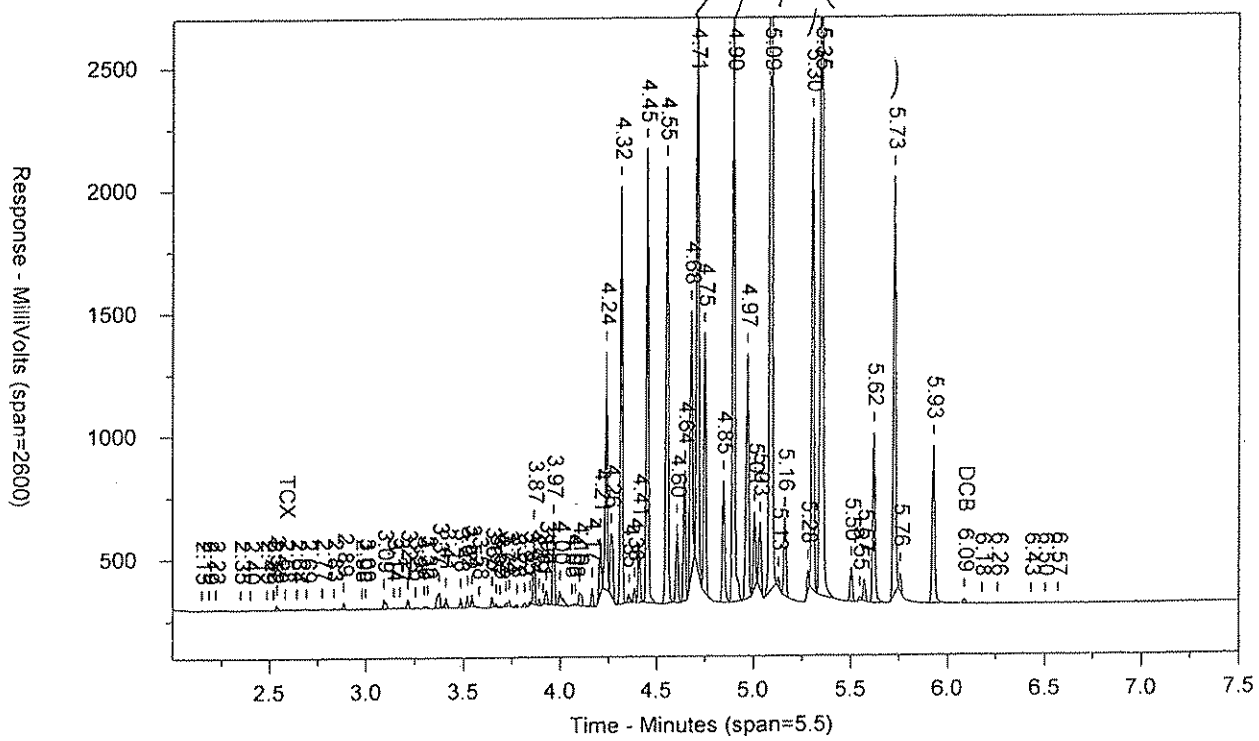
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.45 | | 1856101 | 1399509 |
| 4.552 | | 1779454 | 1494582 |
| 4.605 | | 317818 | 250953 |
| 4.644 | | 529096 | 411544 |
| 4.678 | | 1084714 | 924510 |
| 4.71 | | 2486755 | 1836284 |
| 4.748 | | 1057588 | 800916 |
| 4.846 | | 494502 | 410584 |
| 4.897 | | 2537413 | 2084779 |
| 4.97 | | 997081 | 921586 |
| 5.005 | | 310657 | 227100 |
| 5.034 | | 268316 | 216050 |
| 5.088 | | 4656810 | 3915474 |
| 5.129 | | 40301 | 25026 |
| 5.162 | | 317095 | 251767 |
| 5.28 | | 83289 | 52886 |
| 5.303 | | 1919848 | 1500501 |
| 5.35 | | 3177636 | 3140018 |
| 5.503 | | 138893 | 114853 |
| 5.547 | | 17624 | 12078 |
| 5.571 | | 89638 | 70190 |
| 5.619 | | 691899 | 608911 |
| 5.726 | | 1707266 | 1421727 |
| 5.757 | | 70198 | 48003 |
| 5.925 | | 642052 | 592552 |
| 6.086 | DCB | 18821 | 18030 |
| 6.177 | | 1466 | 1913 |
| 6.26 | | 1850 | 2020 |
| 6.429 | | 1429 | 1052 |
| 6.502 | | 715 | 732 |
| 6.57 | | 1889 | 1657 |

AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0022.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0022.RAW



LANCASTER LABORATORIES

Sample Number: AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 8:54:35 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

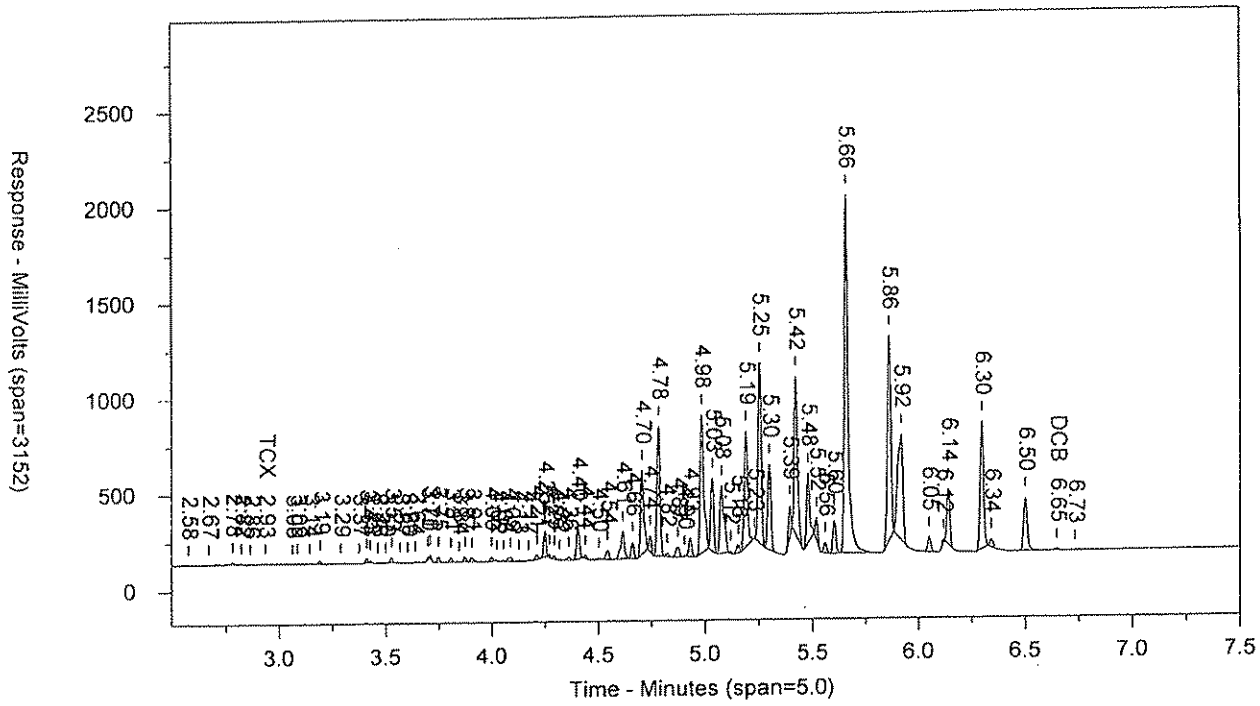
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.934 | 2392 | .018 | TCX | 2.584 | 1512 | .006 | TCX |
| 6.647 | 10730 | .161 | DCB | 6.086 | 18821 | .099 | DCB |

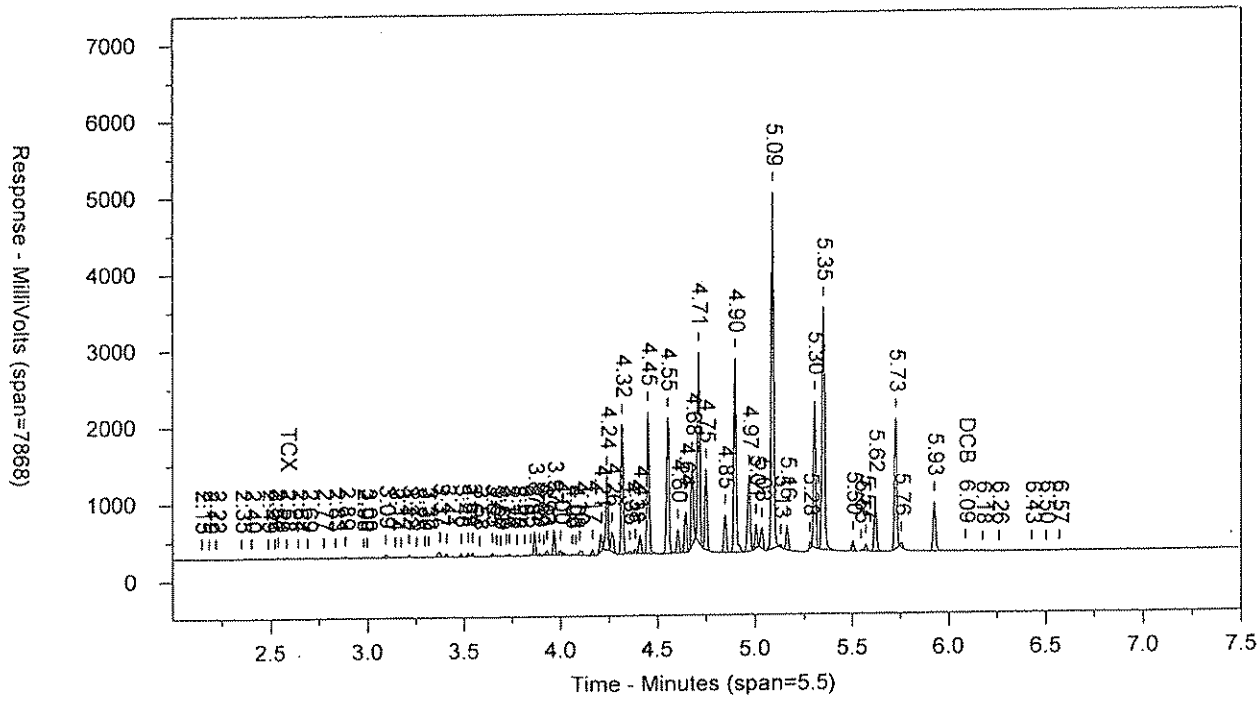
Files:
Area File: 25pcbs16207001.0022.RAW
Area File: 25pcbs16207001B.0022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:03:09 PM
File Reported On: 7/25/2016 at 9:50:16 PM

AR6231624A AAAR623AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0022.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0022.RAW



LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.014 | | 1333 | 3183 |
| 2.092 | | 7468 | 12222 |
| 2.237 | | 1437 | 1735 |
| 2.315 | | 11692 | 7790 |
| 2.378 | | 1468 | 1343 |
| 2.417 | | 5019 | 4272 |
| 2.495 | | 1805 | 3620 |
| 2.576 | | 1012 | 2514 |
| 2.671 | | 1865 | 2139 |
| 2.726 | | 917 | 626 |
| 2.78 | | 8683 | 8858 |
| 2.821 | | 4174 | 3383 |
| 2.956 | TCX | 1899 | 5287 |
| 3.068 | | 1680 | 1371 |
| 3.189 | | 5258 | 5755 |
| 3.293 | | 1021 | 1278 |
| 3.413 | | 4129 | 2598 |
| 3.53 | | 8391 | 6194 |
| 3.57 | | 2385 | 3015 |
| 3.607 | | 1625 | 1030 |
| 3.642 | | 2512 | 2830 |
| 3.685 | | 10454 | 6305 |
| 3.713 | | 9213 | 9050 |
| 3.751 | | 8535 | 6350 |
| 3.785 | | 1489 | 1362 |
| 3.809 | | 6729 | 5164 |
| 3.848 | | 3017 | 2655 |
| 3.875 | | 9903 | 7206 |
| 3.903 | | 6556 | 11498 |
| 4.002 | | 10095 | 7293 |
| 4.026 | | 3231 | 2014 |
| 4.057 | | 3541 | 2401 |
| 4.093 | | 9573 | 10230 |
| 4.132 | | 4737 | 4470 |
| 4.172 | | 2323 | 2522 |
| 4.216 | | 21557 | 20479 |
| 4.251 | | 7721 | 4943 |
| 4.274 | | 11891 | 7819 |
| 4.297 | | 12071 | 8129 |
| 4.322 | | 3528 | 2686 |
| 4.36 | | 1497 | 1604 |
| 4.403 | | 14844 | 11671 |
| 4.425 | | 4362 | 4033 |
| 4.503 | | 4849 | 5930 |
| 4.544 | | 17220 | 17280 |
| 4.601 | | 6934 | 6822 |
| 4.663 | | 8563 | 7560 |
| 4.708 | | 5972 | 5635 |
| 4.748 | | 8223 | 7443 |
| 4.785 | | 13681 | 12281 |
| 4.827 | | 16037 | 14334 |
| 4.874 | | 10009 | 10980 |
| 4.909 | | 19014 | 16497 |
| 4.951 | | 1287 | 1292 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.986 | | 7318 | 5626 |
| 5.036 | | 51204 | 46762 |
| 5.079 | | 14419 | 18358 |
| 5.121 | | 1592 | 973 |
| 5.149 | | 10700 | 9621 |
| 5.191 | | 21989 | 23750 |
| 5.256 | | 411283 | 452208 |
| 5.3 | | 43304 | 39590 |
| 5.395 | | 31415 | 24944 |
| 5.436 | | 508897 | 609181 |
| 5.501 | | 175989 | 199851 |
| 5.56 | | 29560 | 28960 |
| 5.604 | | 10417 | 9676 |
| 5.661 | | 160164 | 136117 |
| 5.681 | | 101539 | 77460 |
| 5.813 | | 574 | 571 |
| 5.863 | | 2171307 | 2206845 |
| 5.921 | | 1834868 | 2076765 |
| 6.052 | | 1759020 | 1822817 |
| 6.118 | | 487589 | 622178 |
| 6.299 | | 753683 | 866388 |
| 6.501 | | 5157728 | 5738502 |
| 6.649 | DCB | 1104106 | 1263573 |
| 6.729 | | 3556 | 3594 |
| 6.802 | | 2012 | 2595 |
| 6.968 | | 4936 | 6150 |

LANCASTER LABORATORIES

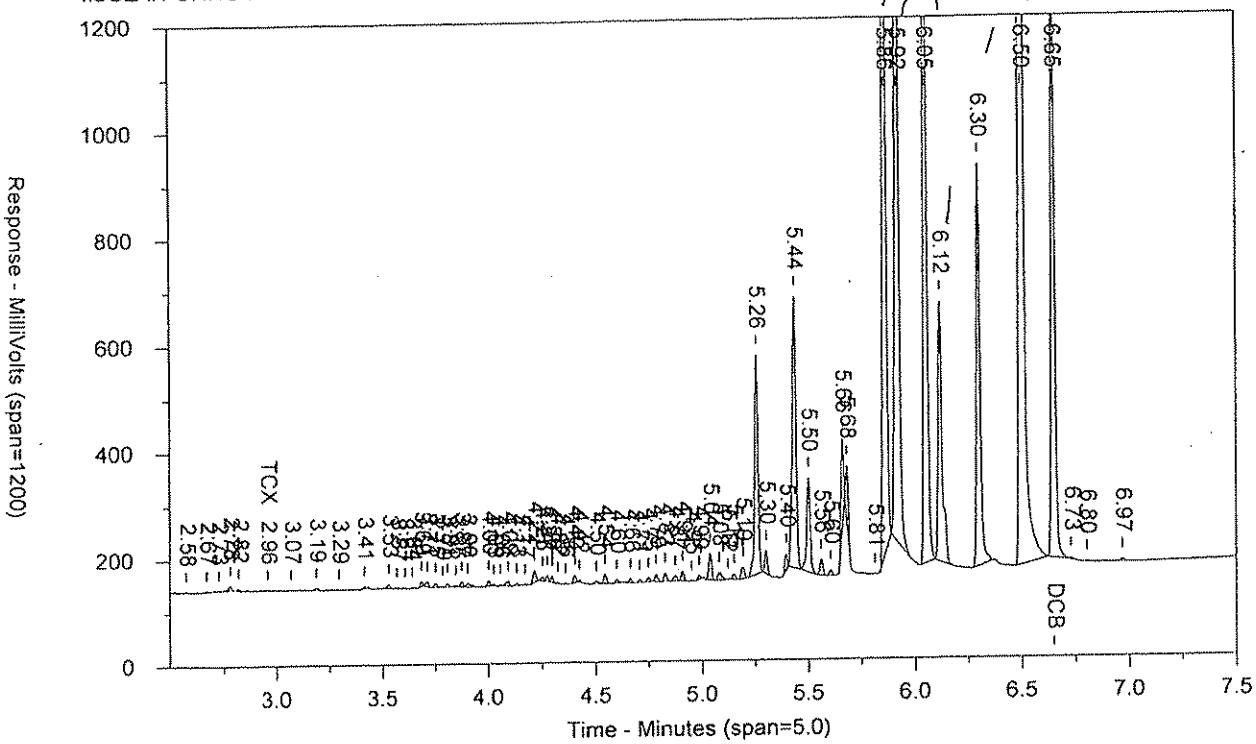
Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.147 | | 1514 | 1617 |
| 2.184 | | 2695 | 3017 |
| 2.223 | | 2344 | 2872 |
| 2.264 | | 2245 | 2762 |
| 2.347 | | 2509 | 3361 |
| 2.39 | | 1522 | 2443 |
| 2.522 | | 2403 | 1804 |
| 2.537 | | 16231 | 12191 |
| 2.581 | TCX | 2561 | 1741 |
| 2.688 | | 2349 | 4551 |
| 2.772 | | 1986 | 1729 |
| 2.838 | | 2402 | 1732 |
| 2.865 | | 1047 | 744 |
| 2.886 | | 3168 | 2278 |
| 2.955 | | 1782 | 1603 |
| 3.042 | | 1927 | 1320 |
| 3.094 | | 8493 | 8156 |
| 3.175 | | 3476 | 2728 |
| 3.217 | | 8729 | 5879 |
| 3.258 | | 3281 | 2911 |
| 3.3 | | 1727 | 1434 |
| 3.318 | | 29610 | 16953 |
| 3.376 | | 19056 | 20458 |
| 3.41 | | 11296 | 11437 |
| 3.445 | | 2734 | 2231 |
| 3.485 | | 10543 | 6795 |
| 3.521 | | 12074 | 6641 |
| 3.544 | | 16385 | 10958 |
| 3.562 | | 3419 | 1593 |
| 3.612 | | 2600 | 2345 |
| 3.649 | | 16731 | 9927 |
| 3.671 | | 6899 | 3945 |
| 3.692 | | 3414 | 2130 |
| 3.722 | | 5317 | 2820 |
| 3.739 | | 13785 | 7741 |
| 3.78 | | 7580 | 5610 |
| 3.825 | | 7643 | 6051 |
| 3.848 | | 13162 | 8897 |
| 3.87 | | 28521 | 16825 |
| 3.894 | | 23322 | 13593 |
| 3.93 | | 41268 | 38984 |
| 3.969 | | 6543 | 3937 |
| 4.004 | | 21815 | 15123 |
| 4.03 | | 10683 | 5744 |
| 4.063 | | 6343 | 4341 |
| 4.101 | | 22103 | 20669 |
| 4.144 | | 3559 | 2046 |
| 4.168 | | 11560 | 8335 |
| 4.2 | | 7862 | 6681 |
| 4.228 | | 8616 | 4444 |
| 4.242 | | 7106 | 3506 |
| 4.267 | | 2317 | 2234 |
| 4.319 | | 36000 | 32133 |
| 4.358 | | 28461 | 19959 |

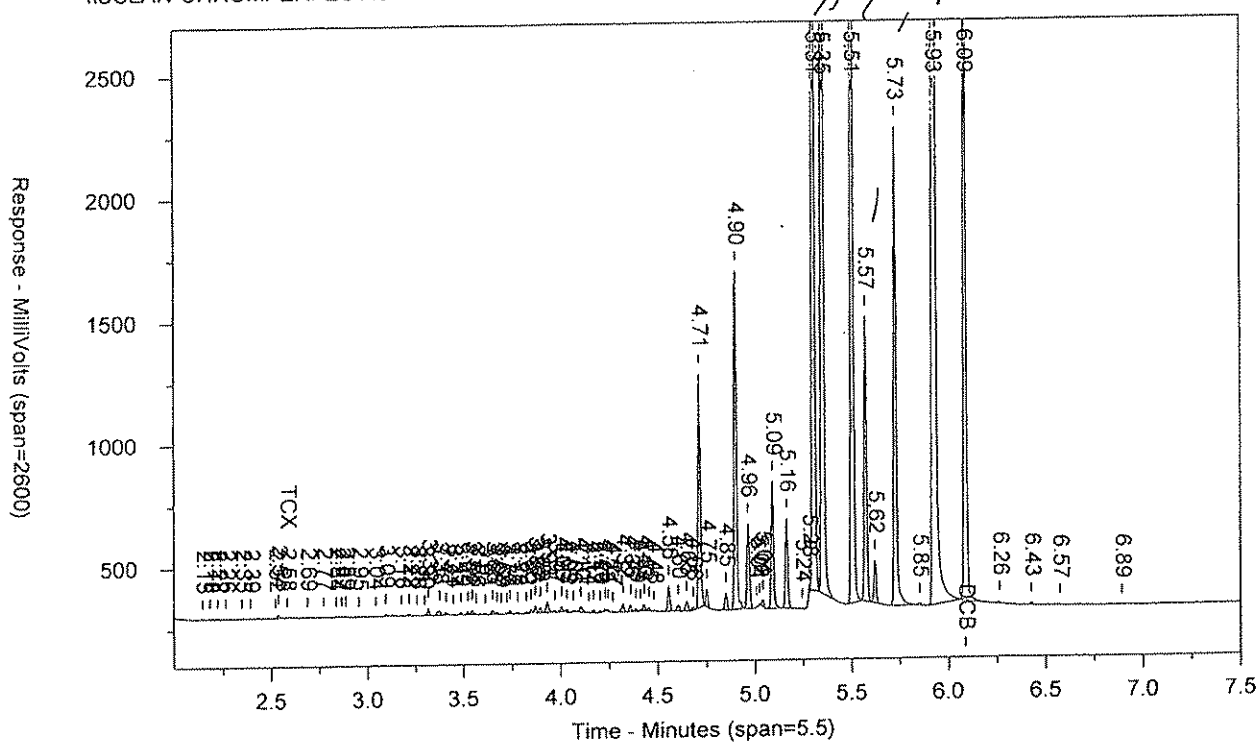
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.387 | | 11313 | 7979 |
| 4.41 | | 6588 | 3824 |
| 4.427 | | 25794 | 16765 |
| 4.454 | | 16733 | 10634 |
| 4.479 | | 3523 | 2776 |
| 4.555 | | 105862 | 82956 |
| 4.605 | | 25693 | 21697 |
| 4.649 | | 38871 | 34704 |
| 4.681 | | 12944 | 9341 |
| 4.714 | | 951539 | 765728 |
| 4.751 | | 73103 | 51879 |
| 4.849 | | 70895 | 56485 |
| 4.899 | | 1380092 | 1144909 |
| 4.964 | | 347578 | 316593 |
| 5.009 | | 4906 | 2556 |
| 5.025 | | 6861 | 3641 |
| 5.041 | | 24561 | 17749 |
| 5.091 | | 520530 | 449681 |
| 5.164 | | 366549 | 315642 |
| 5.245 | | 2875 | 2103 |
| 5.282 | | 47117 | 28068 |
| 5.306 | | 5711505 | 4602299 |
| 5.353 | | 5528721 | 4581482 |
| 5.505 | | 4844822 | 3971445 |
| 5.573 | | 1163419 | 994859 |
| 5.622 | | 175982 | 143088 |
| 5.728 | | 1959781 | 1700807 |
| 5.852 | | 8817 | 9688 |
| 5.927 | | 16115480 | 13479870 |
| 6.087 | DCB | 3222838 | 2771684 |
| 6.261 | | 8266 | 9712 |
| 6.426 | | 9041 | 8798 |
| 6.572 | | 2023 | 2323 |
| 6.892 | | 973 | 1926 |

AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0023.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0023.RAW



LANCASTER LABORATORIES

Sample Number: AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:06:23 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

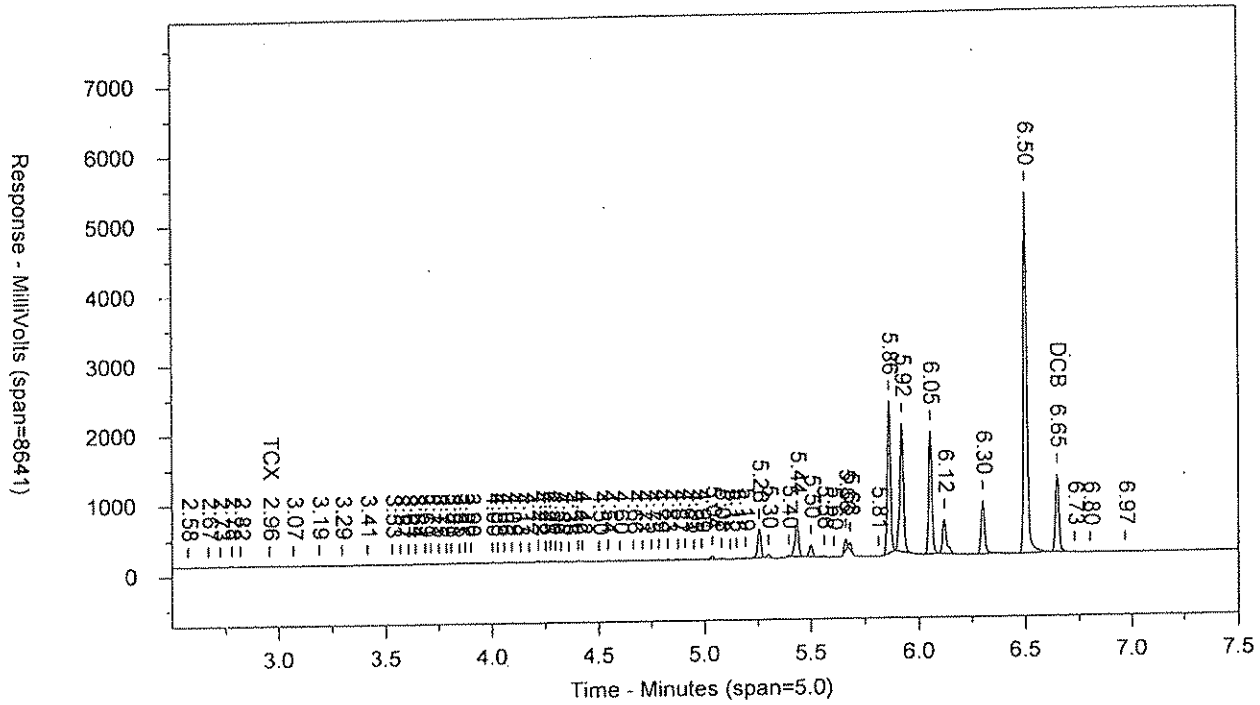
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.956 | 1899 | .014 | TCX | 2.581 | 2561 | .01 | TCX |
| 6.649 | 1104106 | 16.518 | DCB | 6.087 | 3222838 | 16.941 | DCB |

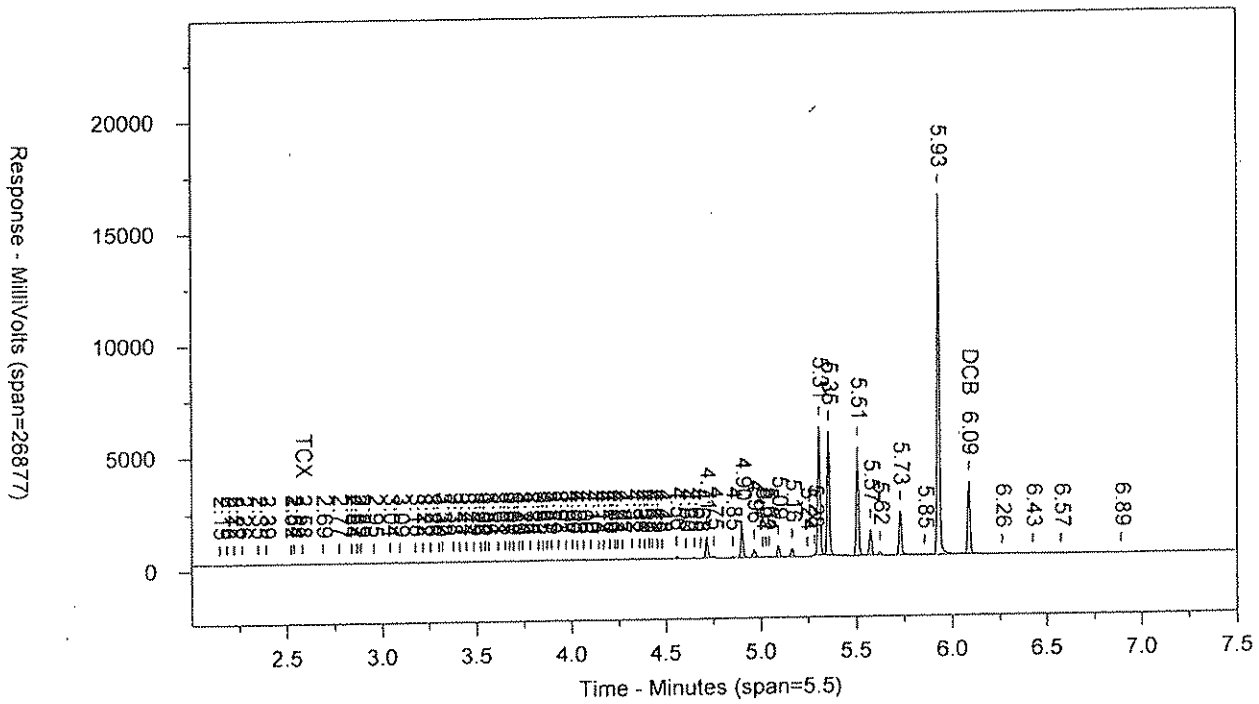
Files:
Area File: 25pcbs16207001.0023.RAW
Area File: 25pcbs16207001B.0023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:14:54 PM
File Reported On: 7/25/2016 at 9:50:26 PM

AR6831624B AAAR683AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0023.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0023.RAW



LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
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: 25pcbs16207001.0024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.092 | | 6763 | 11719 |
| 2.144 | | 1087 | 3286 |
| 2.222 | | 29427 | 23111 |
| 2.314 | | 9850 | 6025 |
| 2.334 | | 10475 | 6581 |
| 2.379 | | 1462 | 1583 |
| 2.418 | | 3922 | 4168 |
| 2.571 | | 203074 | 148678 |
| 2.672 | | 1103 | 1239 |
| 2.78 | | 4181 | 5495 |
| 2.816 | | 4204 | 4440 |
| 2.851 | | 65435 | 45139 |
| 2.932 | TCX | 5702426 | 3808285 |
| 3.088 | | 234793 | 198902 |
| 3.145 | | 197626 | 184772 |
| 3.194 | | 630231 | 444541 |
| 3.268 | | 13847 | 8930 |
| 3.289 | | 4849 | 3424 |
| 3.413 | | 32659 | 20007 |
| 3.431 | | 23846 | 38373 |
| 3.5 | | 78922 | 52902 |
| 3.53 | | 49881 | 35888 |
| 3.587 | | 6871 | 5364 |
| 3.606 | | 4013 | 2371 |
| 3.644 | | 11344 | 6388 |
| 3.658 | | 11046 | 5929 |
| 3.687 | | 3394 | 1957 |
| 3.704 | | 17953 | 8724 |
| 3.715 | | 46882 | 24577 |
| 3.752 | | 60696 | 47290 |
| 3.812 | | 39969 | 28681 |
| 3.85 | | 2402 | 1752 |
| 3.877 | | 18793 | 13476 |
| 3.905 | | 9507 | 12523 |
| 4.004 | | 15408 | 11216 |
| 4.029 | | 4277 | 3109 |
| 4.059 | | 3744 | 2707 |
| 4.097 | | 18281 | 18205 |
| 4.134 | | 4231 | 3343 |
| 4.177 | | 1881 | 1991 |
| 4.218 | | 21525 | 22033 |
| 4.255 | | 21120 | 14547 |
| 4.276 | | 13238 | 8247 |
| 4.298 | | 12040 | 7796 |
| 4.325 | | 3848 | 3003 |
| 4.366 | | 5099 | 4454 |
| 4.408 | | 27827 | 28570 |
| 4.445 | | 6571 | 4204 |
| 4.508 | | 3502 | 3535 |
| 4.551 | | 9096 | 8039 |
| 4.603 | | 15773 | 14359 |
| 4.635 | | 3561 | 2257 |
| 4.665 | | 27277 | 24305 |
| 4.711 | | 2696 | 3201 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.75 | | 5643 | 4717 |
| 4.787 | | 10285 | 9949 |
| 4.843 | | 902 | 973 |
| 4.879 | | 14080 | 12700 |
| 4.911 | | 6875 | 5567 |
| 4.937 | | 1146 | 1629 |
| 4.989 | | 6074 | 4730 |
| 5.037 | | 1457 | 1212 |
| 5.081 | | 12600 | 14748 |
| 5.152 | | 14971 | 17136 |
| 5.197 | | 15562 | 19476 |
| 5.257 | | 1516 | 1228 |
| 5.303 | | 3591 | 19890 |
| 5.406 | | 4223 | 6613 |
| 5.484 | | 1357 | 1498 |
| 5.522 | | 1443 | 1367 |
| 5.561 | | 10955 | 10501 |
| 5.606 | | 1892 | 1729 |
| 5.683 | | 36539 | 42792 |
| 5.78 | | 1165 | 1169 |
| 5.867 | | 3702 | 3918 |
| 5.915 | | 1639 | 2658 |
| 6.055 | | 44773 | 46859 |
| 6.12 | | 56025 | 70291 |
| 6.302 | | 1305 | 1516 |
| 6.392 | | 644 | 1413 |
| 6.431 | | 1223 | 1045 |
| 6.472 | | 1301 | 1066 |
| 6.503 | | 36751 | 41117 |
| 6.6 | | 881 | 704 |
| 6.652 | DCB | 2735773 | 3070867 |
| 6.961 | | 1227 | 2179 |

LANCASTER LABORATORIES

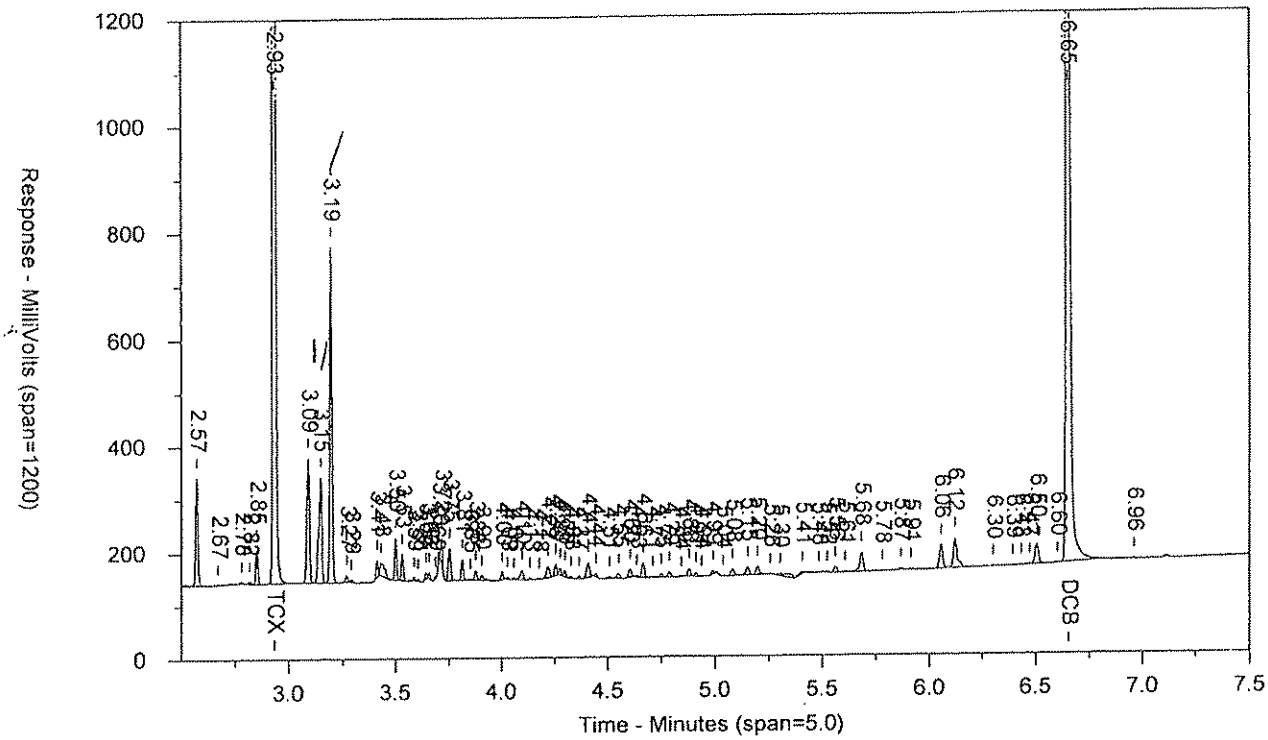
Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 15258 | 11967 |
| 2.135 | | 1626 | 2213 |
| 2.184 | | 1655 | 2035 |
| 2.226 | | 2001 | 2577 |
| 2.263 | | 1430 | 752 |
| 2.288 | | 292749 | 198416 |
| 2.346 | | 1830 | 2213 |
| 2.453 | | 977 | 681 |
| 2.485 | | 3120 | 2416 |
| 2.514 | | 5071 | 4925 |
| 2.536 | | 6451 | 3548 |
| 2.559 | | 94130 | 55357 |
| 2.601 | TCX | 10400880 | 6081513 |
| 2.645 | | 101212 | 81928 |
| 2.773 | | 449404 | 287474 |
| 2.818 | | 95886 | 43140 |
| 2.834 | | 286372 | 155074 |
| 2.886 | | 1153637 | 680855 |
| 2.935 | | 22359 | 13094 |
| 2.997 | | 9076 | 6004 |
| 3.074 | | 3619 | 1599 |
| 3.094 | | 45924 | 21481 |
| 3.106 | | 26087 | 27659 |
| 3.136 | | 37999 | 27248 |
| 3.166 | | 7713 | 4736 |
| 3.193 | | 134942 | 77966 |
| 3.217 | | 75835 | 44835 |
| 3.253 | | 6443 | 3634 |
| 3.281 | | 11693 | 6009 |
| 3.3 | | 22878 | 11484 |
| 3.317 | | 38887 | 21412 |
| 3.377 | | 134724 | 126785 |
| 3.411 | | 81495 | 64250 |
| 3.446 | | 2851 | 1781 |
| 3.486 | | 65360 | 38860 |
| 3.521 | | 32041 | 18325 |
| 3.545 | | 20237 | 11962 |
| 3.564 | | 5375 | 2520 |
| 3.611 | | 2184 | 3876 |
| 3.65 | | 27118 | 16694 |
| 3.673 | | 10853 | 6282 |
| 3.725 | | 4248 | 2424 |
| 3.742 | | 33842 | 20703 |
| 3.781 | | 6876 | 5045 |
| 3.828 | | 2452 | 1702 |
| 3.849 | | 13066 | 7306 |
| 3.871 | | 61683 | 37570 |
| 3.896 | | 19946 | 11475 |
| 3.933 | | 44333 | 42023 |
| 3.971 | | 39693 | 24746 |
| 4.003 | | 25279 | 33563 |
| 4.065 | | 8120 | 8349 |
| 4.114 | | 14454 | 10095 |
| 4.148 | | 1406 | 974 |

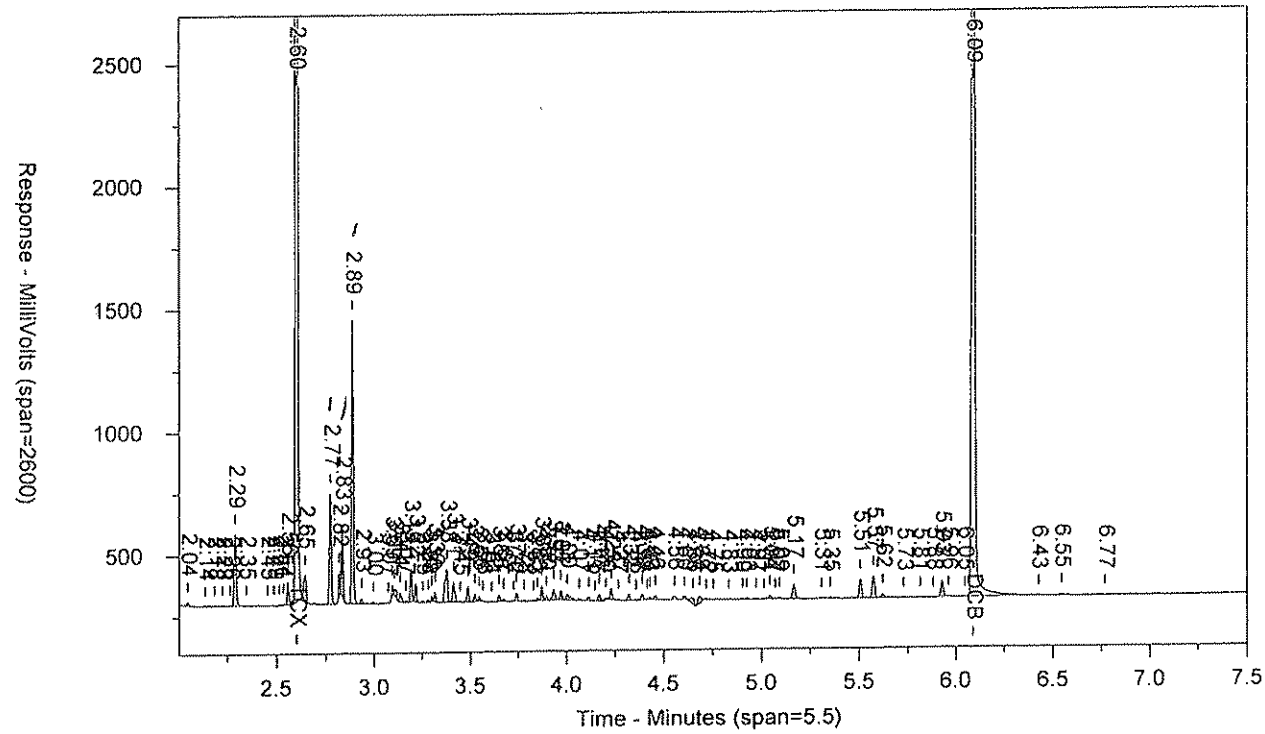
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.17 | | 30183 | 20905 |
| 4.204 | | 9613 | 8500 |
| 4.23 | | 46075 | 33233 |
| 4.268 | | 3501 | 2830 |
| 4.321 | | 26413 | 20770 |
| 4.357 | | 3086 | 1993 |
| 4.389 | | 25217 | 17512 |
| 4.414 | | 3442 | 1844 |
| 4.43 | | 8522 | 5454 |
| 4.456 | | 17057 | 12149 |
| 4.555 | | 16405 | 16651 |
| 4.605 | | 14968 | 12688 |
| 4.649 | | 24365 | 29777 |
| 4.684 | | 29337 | 34315 |
| 4.717 | | 2137 | 2506 |
| 4.753 | | 2063 | 1099 |
| 4.832 | | 2262 | 1644 |
| 4.901 | | 4536 | 3464 |
| 4.926 | | 6003 | 4662 |
| 4.972 | | 4176 | 5056 |
| 5.011 | | 1612 | 996 |
| 5.044 | | 14735 | 11250 |
| 5.072 | | 1686 | 1037 |
| 5.093 | | 5449 | 4020 |
| 5.167 | | 59431 | 56003 |
| 5.307 | | 2791 | 2209 |
| 5.352 | | 4731 | 3805 |
| 5.507 | | 75679 | 65801 |
| 5.574 | | 90335 | 77121 |
| 5.624 | | 14793 | 11250 |
| 5.729 | | 3181 | 3410 |
| 5.815 | | 1255 | 2063 |
| 5.883 | | 2636 | 2779 |
| 5.929 | | 67424 | 55280 |
| 5.961 | | 3072 | 3268 |
| 6.047 | | 1190 | 1488 |
| 6.089 | DCB | 8099971 | 7181675 |
| 6.427 | | 1837 | 1506 |
| 6.546 | | 6835 | 6294 |
| 6.769 | | 1192 | 941 |

AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0024.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0024.RAW



LANCASTER LABORATORIES

Sample Number: AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:18:08 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

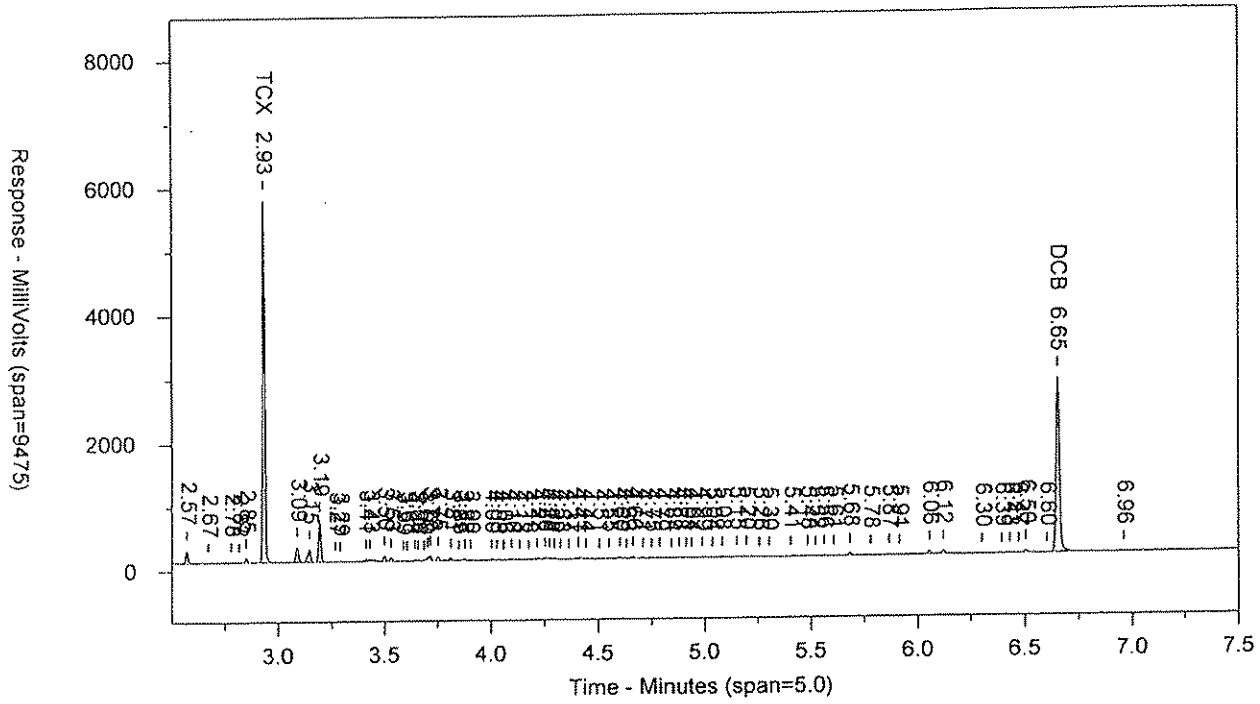
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5702426 | 42.148 | TCX | 2.601 | 10400880 | 42.347 | TCX |
| 6.652 | 2735773 | 40.928 | DCB | 6.089 | 8099971 | 42.578 | DCB |

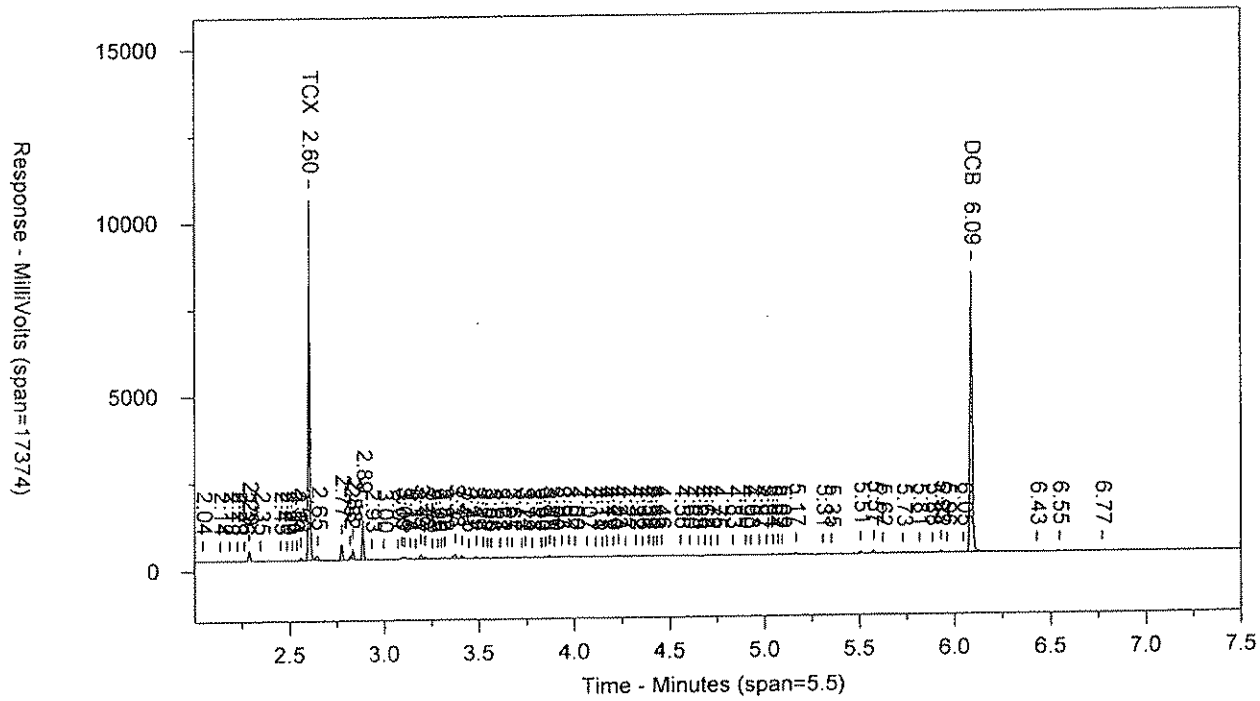
Files:
Area File: 25pcbs16207001.0024.RAW
Area File: 25pcbs16207001B.0024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:26:38 PM
File Reported On: 7/25/2016 at 9:50:36 PM

AR2131624A AAAR213AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0024.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0024.RAW



LANCASTER LABORATORIES

Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.02 | | 1032 | 1293 |
| 2.092 | | 9813 | 17879 |
| 2.144 | | 2133 | 3281 |
| 2.223 | | 34319 | 26559 |
| 2.315 | | 23469 | 14451 |
| 2.335 | | 11473 | 6966 |
| 2.378 | | 1052 | 628 |
| 2.419 | | 4452 | 3891 |
| 2.494 | | 2872 | 4665 |
| 2.572 | | 145284 | 107092 |
| 2.68 | | 2593 | 3882 |
| 2.78 | | 10816 | 11309 |
| 2.822 | | 4709 | 4651 |
| 2.852 | | 43460 | 31723 |
| 2.933 | TCX | 6714085 | 4561514 |
| 3.027 | | 2244 | 2475 |
| 3.088 | | 191866 | 166482 |
| 3.146 | | 178018 | 182190 |
| 3.194 | | 612166 | 441353 |
| 3.268 | | 16979 | 10265 |
| 3.289 | | 31724 | 20987 |
| 3.331 | | 743 | 393 |
| 3.348 | | 1728 | 1385 |
| 3.413 | | 250098 | 153109 |
| 3.43 | | 121865 | 68334 |
| 3.467 | | 29782 | 16097 |
| 3.484 | | 8867 | 3445 |
| 3.501 | | 64423 | 39958 |
| 3.531 | | 304863 | 232388 |
| 3.571 | | 1747 | 1233 |
| 3.588 | | 6930 | 3978 |
| 3.607 | | 12518 | 7858 |
| 3.644 | | 74387 | 42908 |
| 3.659 | | 39677 | 19311 |
| 3.704 | | 136867 | 71951 |
| 3.716 | | 290123 | 150333 |
| 3.752 | | 339309 | 267091 |
| 3.812 | | 285417 | 220779 |
| 3.851 | | 26722 | 18744 |
| 3.877 | | 174196 | 128534 |
| 3.905 | | 139848 | 117910 |
| 3.927 | | 48144 | 26867 |
| 4.005 | | 202131 | 150154 |
| 4.029 | | 74860 | 50834 |
| 4.059 | | 86617 | 62556 |
| 4.095 | | 205279 | 220028 |
| 4.135 | | 77109 | 61737 |
| 4.18 | | 15292 | 13563 |
| 4.22 | | 35683 | 33660 |
| 4.255 | | 133169 | 94352 |
| 4.275 | | 170804 | 111969 |
| 4.299 | | 202427 | 152657 |
| 4.359 | | 14386 | 18132 |
| 4.405 | | 155893 | 127934 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.428 | | 81556 | 67396 |
| 4.485 | | 1502 | 906 |
| 4.507 | | 10057 | 8847 |
| 4.55 | | 32305 | 29085 |
| 4.603 | | 49640 | 43883 |
| 4.635 | | 26810 | 20396 |
| 4.665 | | 74521 | 67149 |
| 4.71 | | 3543 | 2841 |
| 4.75 | | 40375 | 36169 |
| 4.787 | | 9676 | 10487 |
| 4.839 | | 6873 | 6343 |
| 4.88 | | 45991 | 41604 |
| 4.909 | | 6241 | 4831 |
| 4.962 | | 3809 | 3531 |
| 4.988 | | 6870 | 5045 |
| 5.04 | | 1821 | 1588 |
| 5.081 | | 51398 | 52550 |
| 5.152 | | 16356 | 18727 |
| 5.198 | | 17178 | 21909 |
| 5.259 | | 3917 | 2946 |
| 5.302 | | 3403 | 10494 |
| 5.423 | | 7421 | 17860 |
| 5.481 | | 2735 | 2950 |
| 5.523 | | 2290 | 2401 |
| 5.562 | | 11245 | 10258 |
| 5.607 | | 2364 | 2959 |
| 5.662 | | 4354 | 2847 |
| 5.683 | | 35609 | 31059 |
| 5.869 | | 7764 | 9460 |
| 5.909 | | 2513 | 4385 |
| 6.055 | | 52881 | 53322 |
| 6.12 | | 61845 | 77116 |
| 6.3 | | 3055 | 3650 |
| 6.369 | | 672 | 862 |
| 6.431 | | 1401 | 1373 |
| 6.473 | | 794 | 712 |
| 6.503 | | 42323 | 45850 |
| 6.651 | DCB | 3106575 | 3584339 |

LANCASTER LABORATORIES

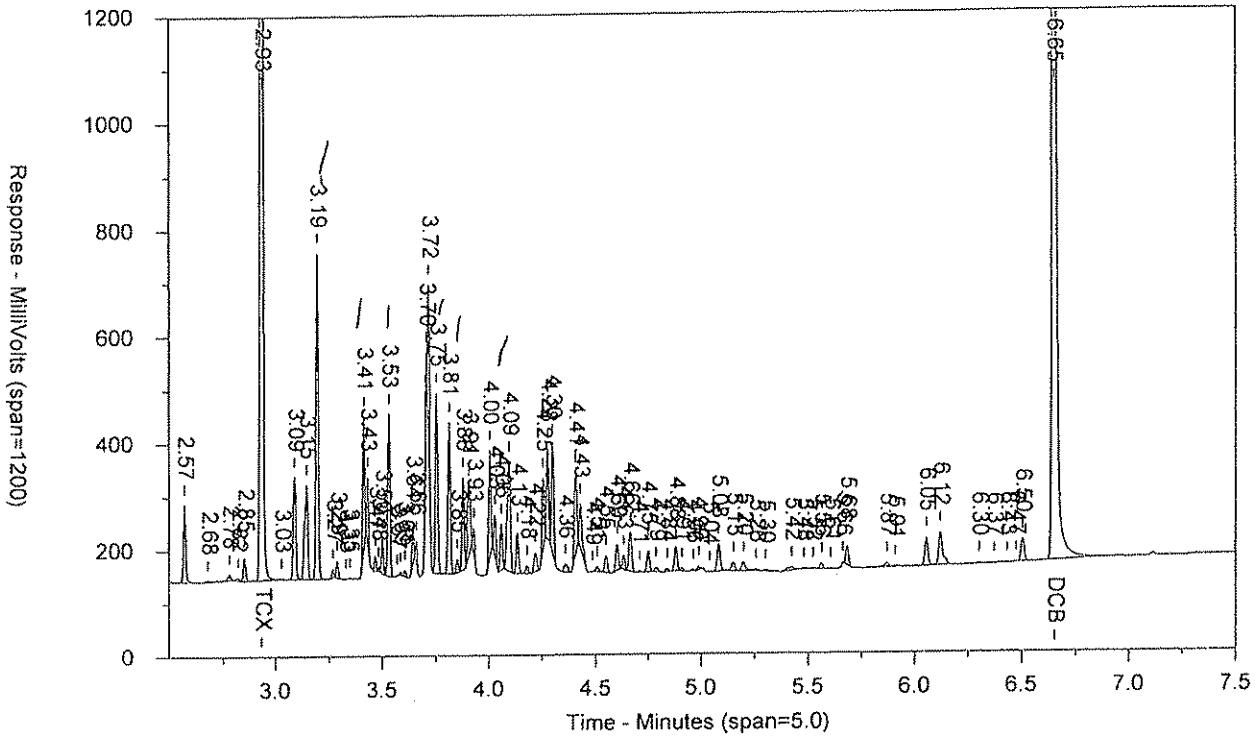
Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 17344 | 12218 |
| 2.148 | | 3033 | 3717 |
| 2.185 | | 6078 | 5440 |
| 2.227 | | 2719 | 4046 |
| 2.288 | | 212044 | 139821 |
| 2.346 | | 2238 | 1913 |
| 2.389 | | 4243 | 4467 |
| 2.447 | | 858 | 793 |
| 2.488 | | 7156 | 4569 |
| 2.515 | | 3726 | 3743 |
| 2.537 | | 18203 | 10777 |
| 2.559 | | 61220 | 35233 |
| 2.602 | TCX | 12616440 | 7315330 |
| 2.645 | | 96306 | 73660 |
| 2.682 | | 4781 | 5339 |
| 2.774 | | 379717 | 239756 |
| 2.819 | | 116451 | 54802 |
| 2.834 | | 254469 | 135386 |
| 2.866 | | 2218 | 1285 |
| 2.886 | | 1129805 | 667282 |
| 2.935 | | 25736 | 13839 |
| 2.954 | | 3866 | 2327 |
| 2.997 | | 56902 | 35299 |
| 3.042 | | 4453 | 3455 |
| 3.074 | | 1853 | 673 |
| 3.094 | | 568479 | 532828 |
| 3.145 | | 60606 | 45925 |
| 3.167 | | 30159 | 20087 |
| 3.193 | | 114661 | 63456 |
| 3.217 | | 539531 | 345273 |
| 3.253 | | 20312 | 11768 |
| 3.281 | | 13648 | 6003 |
| 3.301 | | 144222 | 74840 |
| 3.316 | | 87097 | 44142 |
| 3.377 | | 1076096 | 1025176 |
| 3.411 | | 575095 | 427138 |
| 3.486 | | 564244 | 337967 |
| 3.522 | | 337789 | 204069 |
| 3.545 | | 396163 | 217200 |
| 3.564 | | 133835 | 66553 |
| 3.615 | | 6019 | 3832 |
| 3.65 | | 441550 | 282311 |
| 3.673 | | 180968 | 96872 |
| 3.694 | | 156314 | 93738 |
| 3.724 | | 110248 | 55580 |
| 3.741 | | 405526 | 240766 |
| 3.781 | | 143502 | 100947 |
| 3.829 | | 24187 | 16109 |
| 3.849 | | 275096 | 160712 |
| 3.871 | | 535502 | 316970 |
| 3.896 | | 458196 | 278119 |
| 3.915 | | 13558 | 5379 |
| 3.933 | | 42174 | 27602 |
| 3.954 | | 10305 | 4233 |

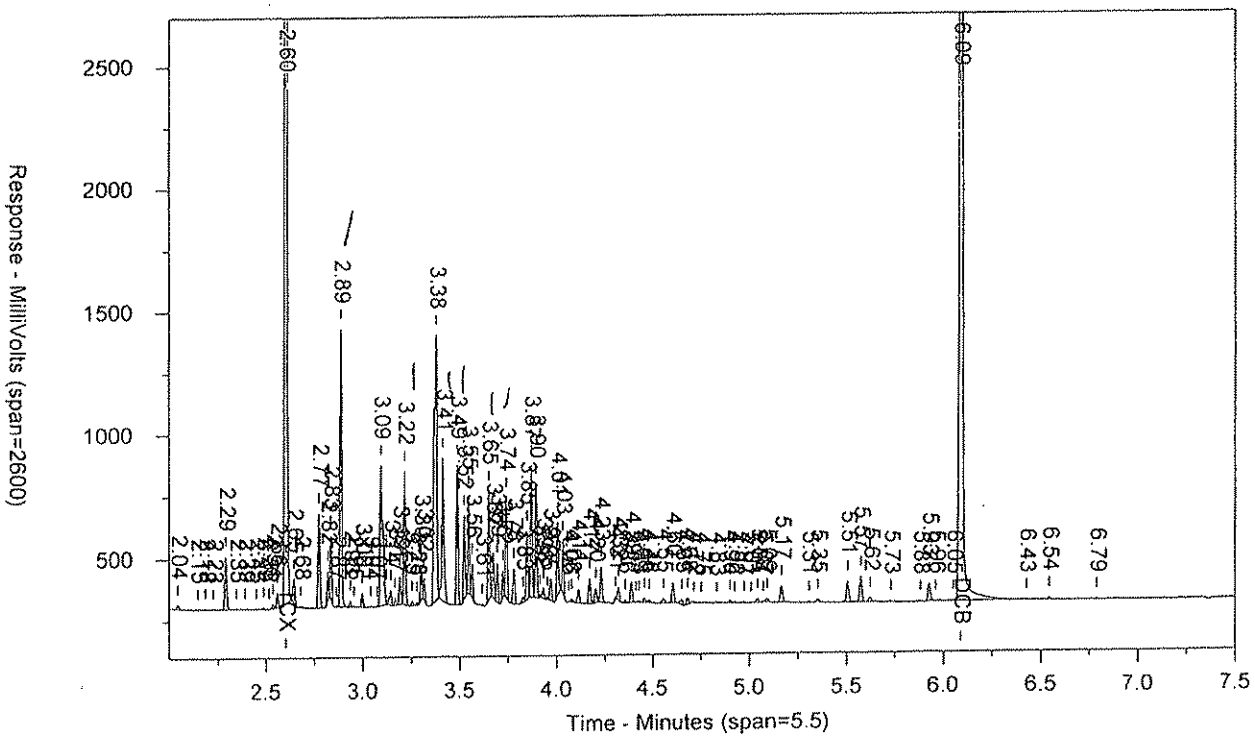
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.971 | | 90725 | 54880 |
| 4.005 | | 298598 | 202208 |
| 4.032 | | 213817 | 119096 |
| 4.064 | | 3961 | 1990 |
| 4.079 | | 11252 | 6899 |
| 4.113 | | 55513 | 40688 |
| 4.17 | | 101826 | 72475 |
| 4.202 | | 57962 | 41361 |
| 4.23 | | 141815 | 99734 |
| 4.306 | | 12629 | 6373 |
| 4.321 | | 53390 | 34588 |
| 4.357 | | 13537 | 9261 |
| 4.389 | | 85407 | 61255 |
| 4.413 | | 3208 | 1501 |
| 4.429 | | 7824 | 4858 |
| 4.455 | | 17160 | 11985 |
| 4.48 | | 10756 | 7394 |
| 4.554 | | 18852 | 17852 |
| 4.604 | | 82147 | 62509 |
| 4.652 | | 22356 | 23588 |
| 4.683 | | 26845 | 24060 |
| 4.715 | | 5356 | 4678 |
| 4.754 | | 3924 | 2530 |
| 4.831 | | 2128 | 1664 |
| 4.902 | | 10473 | 7465 |
| 4.925 | | 5560 | 4072 |
| 4.972 | | 6801 | 7206 |
| 5.01 | | 2349 | 1685 |
| 5.044 | | 15695 | 13268 |
| 5.074 | | 2463 | 1394 |
| 5.093 | | 14390 | 11593 |
| 5.167 | | 66238 | 54012 |
| 5.307 | | 4383 | 3513 |
| 5.352 | | 12794 | 17386 |
| 5.506 | | 86145 | 74273 |
| 5.574 | | 104339 | 88059 |
| 5.624 | | 17007 | 14128 |
| 5.729 | | 5634 | 5987 |
| 5.884 | | 2788 | 2308 |
| 5.929 | | 74536 | 63891 |
| 5.962 | | 2509 | 1646 |
| 6.052 | | 1071 | 959 |
| 6.089 | DCB | 9680693 | 8435190 |
| 6.428 | | 1943 | 2830 |
| 6.544 | | 8927 | 11822 |
| 6.788 | | 3228 | 5448 |

AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0025.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0025.RAW



LANCASTER LABORATORIES

Sample Number: AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:29:54 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

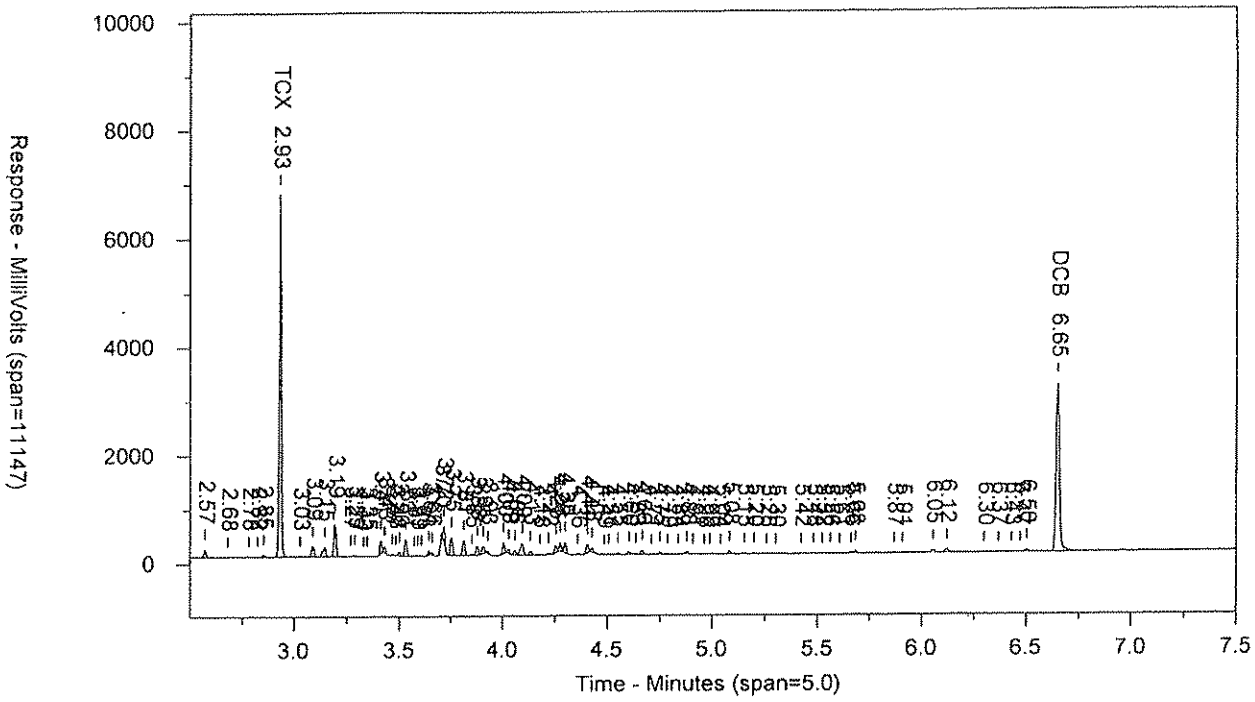
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.933 | 6714085 | 49.626 | TCX | 2.602 | 12616440 | 51.367 | TCX |
| 6.651 | 3106575 | 46.476 | DCB | 6.089 | 9680693 | 50.887 | DCB |

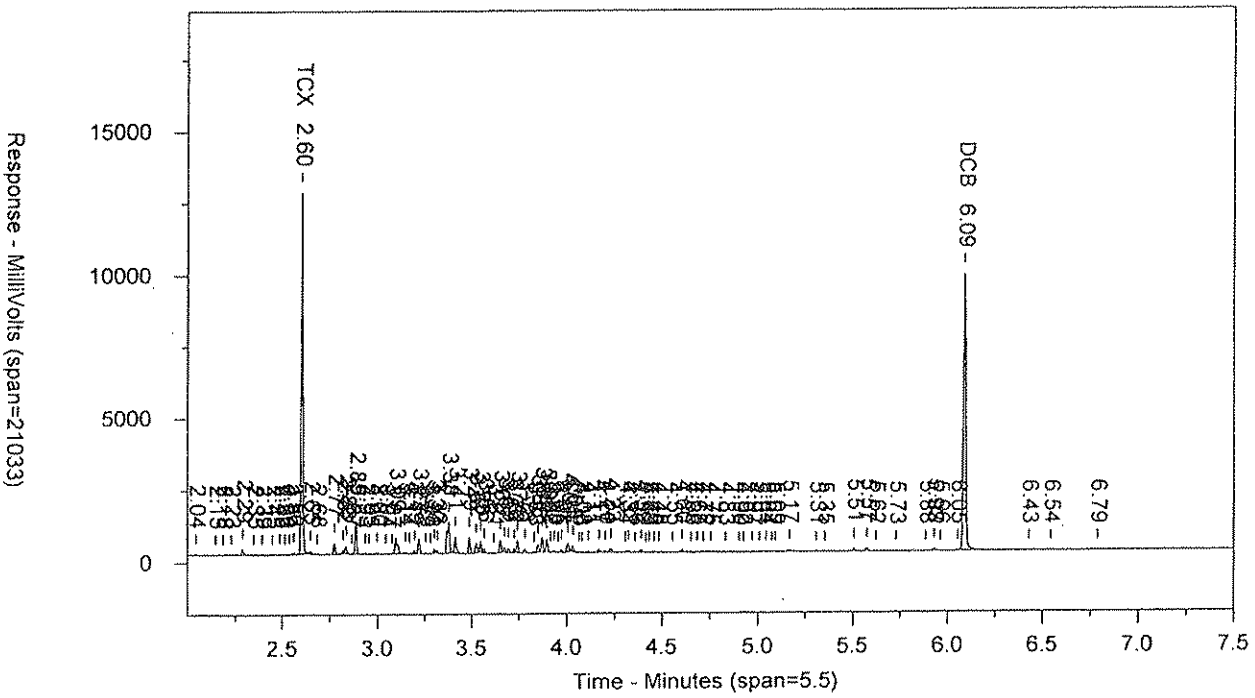
Files:
Area File: 25pcbs16207001.0025.RAW
Area File: 25pcbs16207001B.0025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:38:26 PM
File Reported On: 7/25/2016 at 9:50:46 PM

AR3231624A AAAR323AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0025.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0025.RAW



LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
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: 25pcbs16207001.0026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.093 | | 7374 | 13286 |
| 2.222 | | 25854 | 19752 |
| 2.315 | | 12649 | 7800 |
| 2.334 | | 8680 | 5414 |
| 2.379 | | 1270 | 1223 |
| 2.419 | | 3709 | 3816 |
| 2.493 | | 1210 | 1737 |
| 2.572 | | 5633 | 5294 |
| 2.67 | | 1048 | 779 |
| 2.78 | | 11835 | 11912 |
| 2.819 | | 2737 | 2085 |
| 2.851 | | 1511 | 1269 |
| 2.932 | TCX | 4941404 | 3313105 |
| 3.087 | | 62929 | 53930 |
| 3.145 | | 83533 | 99988 |
| 3.194 | | 334629 | 242316 |
| 3.268 | | 11284 | 6488 |
| 3.288 | | 43875 | 29558 |
| 3.329 | | 1012 | 666 |
| 3.412 | | 315246 | 200991 |
| 3.429 | | 151199 | 86734 |
| 3.467 | | 43705 | 25296 |
| 3.483 | | 13105 | 5636 |
| 3.5 | | 29384 | 16766 |
| 3.531 | | 391943 | 303199 |
| 3.567 | | 2201 | 1168 |
| 3.587 | | 7522 | 4594 |
| 3.606 | | 15853 | 10138 |
| 3.643 | | 89943 | 52934 |
| 3.658 | | 44501 | 22169 |
| 3.715 | | 702328 | 894040 |
| 3.752 | | 436777 | 348020 |
| 3.812 | | 377003 | 297306 |
| 3.85 | | 37117 | 25694 |
| 3.877 | | 254381 | 189385 |
| 3.904 | | 202750 | 170146 |
| 3.927 | | 64844 | 37550 |
| 4.004 | | 288571 | 214726 |
| 4.028 | | 108434 | 72074 |
| 4.058 | | 127942 | 91619 |
| 4.095 | | 290435 | 314025 |
| 4.134 | | 104691 | 87313 |
| 4.18 | | 20547 | 16827 |
| 4.22 | | 44590 | 40982 |
| 4.254 | | 203323 | 145050 |
| 4.275 | | 244743 | 159571 |
| 4.299 | | 290131 | 216134 |
| 4.364 | | 21815 | 27516 |
| 4.405 | | 221612 | 188897 |
| 4.428 | | 113508 | 102800 |
| 4.483 | | 3700 | 2422 |
| 4.507 | | 13123 | 10334 |
| 4.55 | | 57596 | 52739 |
| 4.603 | | 85481 | 75309 |



Printed on 7/25/2016 9:51:13 PM

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.634 | | 51999 | 38490 |
| 4.664 | | 131071 | 115108 |
| 4.75 | | 64861 | 57674 |
| 4.787 | | 9047 | 12028 |
| 4.838 | | 14042 | 12705 |
| 4.88 | | 89810 | 84798 |
| 4.909 | | 4194 | 2846 |
| 4.961 | | 9327 | 10017 |
| 4.987 | | 7613 | 5240 |
| 5.005 | | 5683 | 4024 |
| 5.08 | | 88606 | 90387 |
| 5.122 | | 2409 | 1636 |
| 5.151 | | 12929 | 12759 |
| 5.197 | | 27074 | 29470 |
| 5.301 | | 991 | 3299 |
| 5.407 | | 11342 | 18185 |
| 5.523 | | 1401 | 1255 |
| 5.561 | | 8285 | 7933 |
| 5.606 | | 5978 | 5696 |
| 5.683 | | 29334 | 32321 |
| 5.815 | | 380 | 1145 |
| 5.869 | | 3356 | 4339 |
| 5.912 | | 962 | 1560 |
| 6.054 | | 36814 | 38077 |
| 6.12 | | 45686 | 55603 |
| 6.429 | | 1050 | 1315 |
| 6.502 | | 31918 | 36831 |
| 6.65 | DCB | 2349777 | 2611784 |
| 6.952 | | 1065 | 1667 |

LANCASTER LABORATORIES

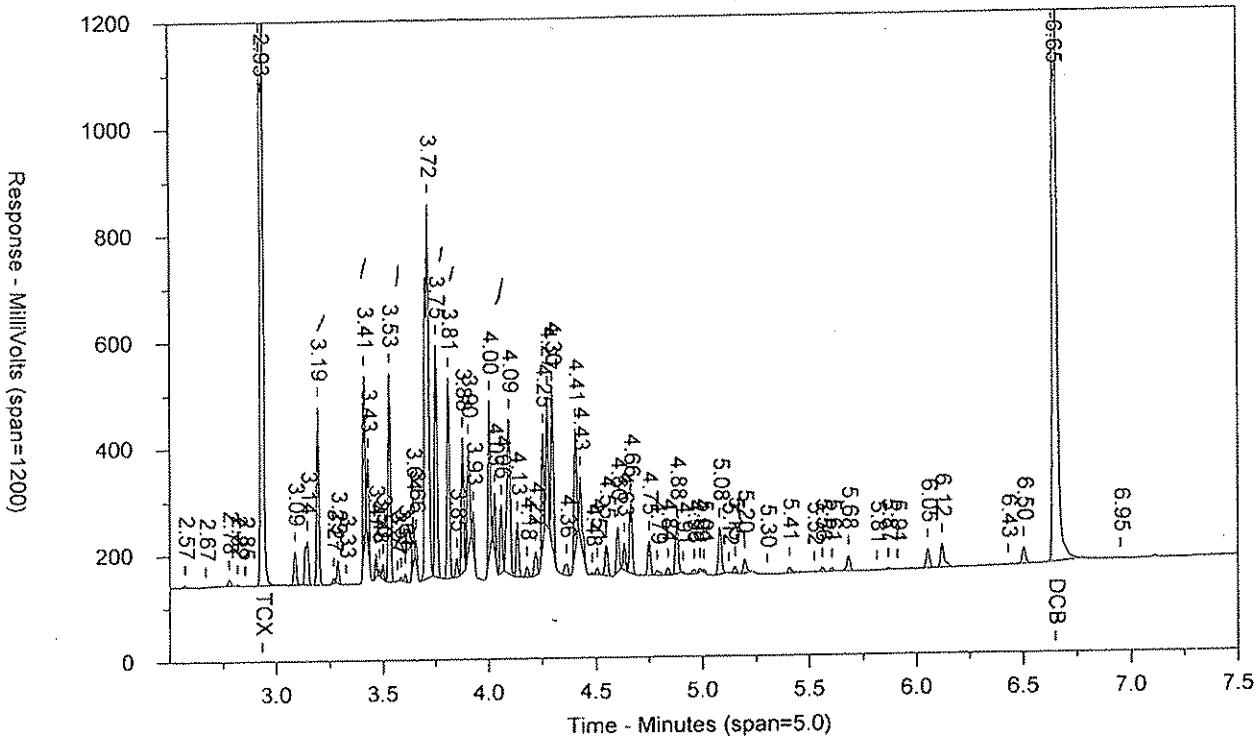
Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 13243 | 10685 |
| 2.146 | | 1639 | 2206 |
| 2.185 | | 1676 | 1741 |
| 2.22 | | 2192 | 2537 |
| 2.288 | | 7571 | 5526 |
| 2.351 | | 1822 | 1590 |
| 2.462 | | 837 | 1438 |
| 2.519 | | 3214 | 2839 |
| 2.536 | | 21521 | 14059 |
| 2.601 | TCX | 8926274 | 5272205 |
| 2.646 | | 44848 | 28819 |
| 2.773 | | 116458 | 74396 |
| 2.818 | | 87904 | 42144 |
| 2.834 | | 103754 | 53284 |
| 2.886 | | 593372 | 354679 |
| 2.934 | | 19828 | 12118 |
| 2.997 | | 76741 | 45387 |
| 3.093 | | 736741 | 706468 |
| 3.145 | | 84311 | 50840 |
| 3.166 | | 37599 | 21356 |
| 3.192 | | 60228 | 32267 |
| 3.216 | | 734436 | 460912 |
| 3.253 | | 25601 | 14436 |
| 3.28 | | 13052 | 6052 |
| 3.3 | | 192585 | 97415 |
| 3.316 | | 122829 | 57992 |
| 3.366 | | 447144 | 207379 |
| 3.376 | | 759440 | 322287 |
| 3.41 | | 774769 | 571112 |
| 3.485 | | 750070 | 462903 |
| 3.521 | | 520027 | 315073 |
| 3.544 | | 610991 | 327870 |
| 3.563 | | 196298 | 102477 |
| 3.65 | | 673812 | 428625 |
| 3.673 | | 265536 | 142195 |
| 3.693 | | 233039 | 134227 |
| 3.723 | | 165802 | 83819 |
| 3.74 | | 587066 | 348296 |
| 3.781 | | 210688 | 145786 |
| 3.828 | | 39172 | 25402 |
| 3.848 | | 411081 | 242370 |
| 3.87 | | 806516 | 486345 |
| 3.895 | | 678375 | 426374 |
| 3.933 | | 48818 | 30100 |
| 3.953 | | 14437 | 5847 |
| 3.969 | | 162794 | 99458 |
| 4.004 | | 451145 | 309813 |
| 4.031 | | 302146 | 171259 |
| 4.064 | | 3525 | 1773 |
| 4.078 | | 19273 | 11689 |
| 4.112 | | 102190 | 73985 |
| 4.168 | | 181851 | 128168 |
| 4.201 | | 105787 | 71956 |
| 4.228 | | 257528 | 176627 |

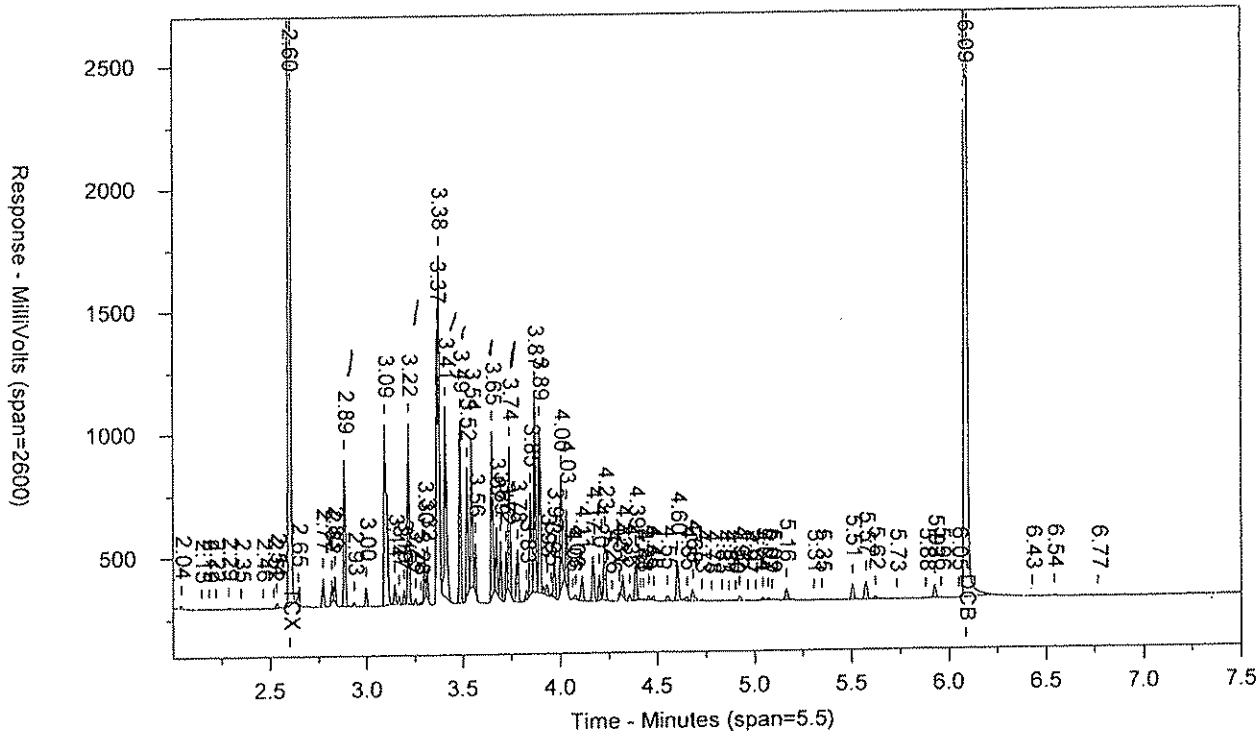
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.265 | | 3792 | 3378 |
| 4.305 | | 16021 | 8752 |
| 4.32 | | 87498 | 55488 |
| 4.355 | | 27334 | 19141 |
| 4.387 | | 181205 | 125343 |
| 4.411 | | 4057 | 2061 |
| 4.427 | | 5348 | 3210 |
| 4.454 | | 19596 | 12081 |
| 4.479 | | 17197 | 11237 |
| 4.551 | | 22164 | 22008 |
| 4.603 | | 158964 | 123214 |
| 4.653 | | 16788 | 16764 |
| 4.681 | | 46670 | 44737 |
| 4.728 | | 5642 | 3865 |
| 4.778 | | 924 | 869 |
| 4.832 | | 2416 | 2229 |
| 4.867 | | 2295 | 1854 |
| 4.901 | | 2267 | 1405 |
| 4.923 | | 17128 | 13856 |
| 4.966 | | 2978 | 3266 |
| 5.006 | | 1455 | 873 |
| 5.042 | | 10882 | 9016 |
| 5.07 | | 8979 | 6211 |
| 5.09 | | 2577 | 1411 |
| 5.165 | | 47038 | 39428 |
| 5.307 | | 2019 | 2529 |
| 5.349 | | 4763 | 6104 |
| 5.505 | | 61289 | 52548 |
| 5.573 | | 73021 | 62903 |
| 5.622 | | 11866 | 9751 |
| 5.732 | | 1234 | 979 |
| 5.882 | | 1696 | 1633 |
| 5.927 | | 54034 | 44623 |
| 5.959 | | 2523 | 1628 |
| 6.051 | | 1052 | 1092 |
| 6.087 | DCB | 6810453 | 5985002 |
| 6.429 | | 2073 | 2375 |
| 6.542 | | 6738 | 9204 |
| 6.766 | | 860 | 913 |

AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0026.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0026.RAW



LANCASTER LABORATORIES

Sample Number: AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:41:36 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

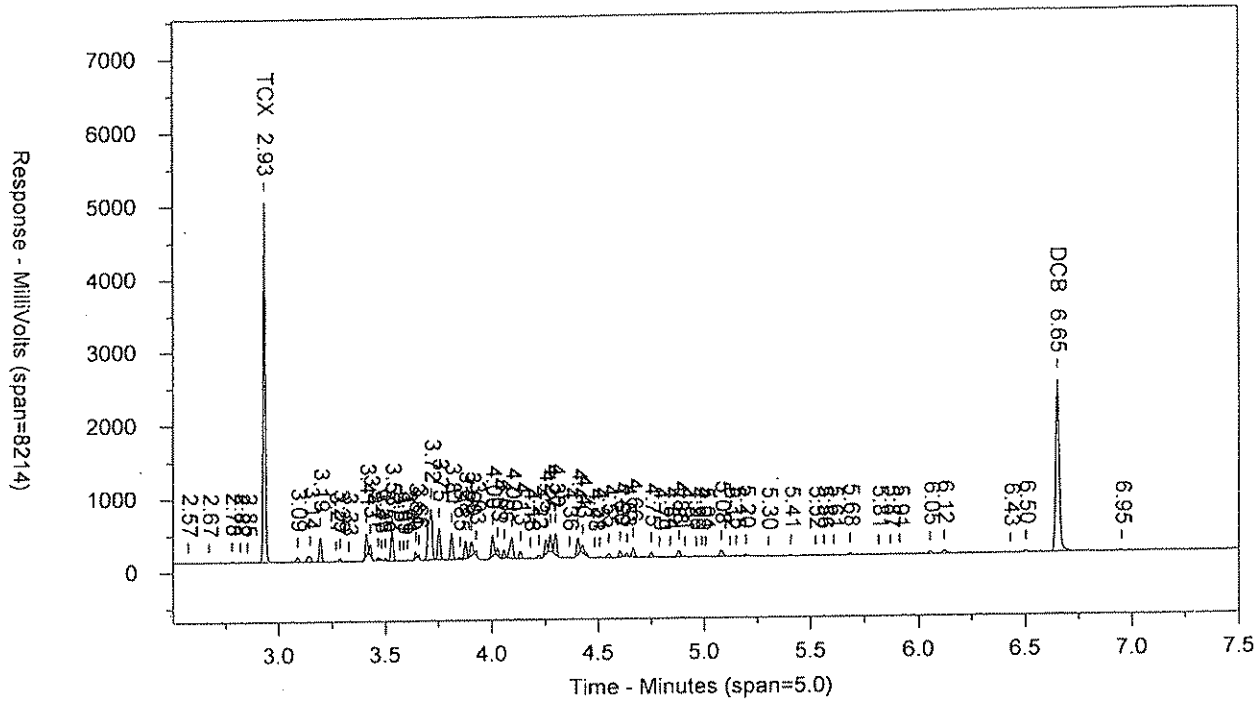
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 4941404 | 36.523 | TCX | 2.601 | 8926274 | 36.343 | TCX |
| 6.65 | 2349777 | 35.154 | DCB | 6.087 | 6810453 | 35.8 | DCB |

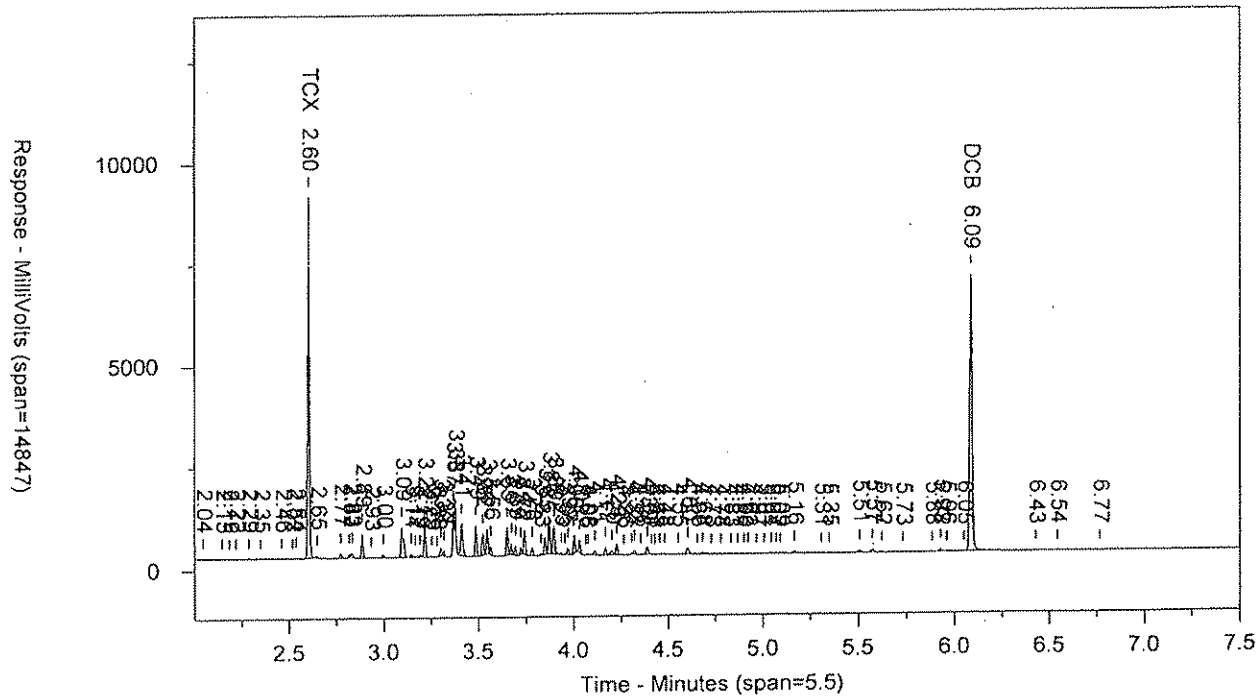
Files:
Area File: 25pcbs16207001.0026.RAW
Area File: 25pcbs16207001B.0026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 9:50:09 PM
File Reported On: 7/25/2016 at 9:51:12 PM

AR4231624A AAAR423AA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0026.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0026.RAW



LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 1339 | 1592 |
| 2.093 | | 8306 | 20753 |
| 2.157 | | 6666 | 16375 |
| 2.223 | | 29163 | 23574 |
| 2.316 | | 6566 | 3921 |
| 2.334 | | 10853 | 6900 |
| 2.38 | | 1251 | 1338 |
| 2.419 | | 5857 | 5400 |
| 2.495 | | 1592 | 2114 |
| 2.572 | | 6805 | 5441 |
| 2.679 | | 1889 | 2316 |
| 2.728 | | 638 | 449 |
| 2.777 | | 4316 | 9003 |
| 2.821 | | 5833 | 6599 |
| 2.932 | TCX | 5753823 | 3850292 |
| 3.087 | | 85543 | 72136 |
| 3.145 | | 112276 | 124407 |
| 3.194 | | 456038 | 322520 |
| 3.268 | | 13242 | 7613 |
| 3.289 | | 63119 | 41092 |
| 3.327 | | 1687 | 987 |
| 3.412 | | 453815 | 274930 |
| 3.429 | | 219787 | 119576 |
| 3.467 | | 60949 | 35512 |
| 3.483 | | 17357 | 7339 |
| 3.5 | | 41189 | 23196 |
| 3.531 | | 543536 | 411281 |
| 3.567 | | 3259 | 1861 |
| 3.586 | | 7593 | 4598 |
| 3.605 | | 19345 | 12267 |
| 3.643 | | 165638 | 198469 |
| 3.704 | | 236018 | 132639 |
| 3.715 | | 528332 | 267448 |
| 3.751 | | 618146 | 468349 |
| 3.811 | | 500501 | 407246 |
| 3.849 | | 53596 | 36408 |
| 3.876 | | 343934 | 251448 |
| 3.904 | | 255519 | 224417 |
| 3.927 | | 91597 | 52587 |
| 4.003 | | 382546 | 288350 |
| 4.027 | | 144003 | 92951 |
| 4.057 | | 165134 | 120952 |
| 4.093 | | 381000 | 404843 |
| 4.134 | | 137832 | 114597 |
| 4.179 | | 20604 | 16952 |
| 4.219 | | 41127 | 38296 |
| 4.253 | | 145128 | 106098 |
| 4.275 | | 118824 | 79136 |
| 4.298 | | 112692 | 81348 |
| 4.362 | | 5037 | 5848 |
| 4.403 | | 38002 | 33111 |
| 4.426 | | 5576 | 4154 |
| 4.509 | | 3175 | 3868 |
| 4.547 | | 1808 | 1434 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.601 | | 3166 | 3301 |
| 4.663 | | 2378 | 2617 |
| 4.751 | | 1746 | 1858 |
| 4.857 | | 1144 | 1077 |
| 4.909 | | 7611 | 7133 |
| 4.953 | | 935 | 844 |
| 5.007 | | 1578 | 1315 |
| 5.081 | | 2216 | 3622 |
| 5.15 | | 14938 | 16594 |
| 5.2 | | 2623 | 3226 |
| 5.44 | | 1158 | 2865 |
| 5.524 | | 1435 | 4467 |
| 5.561 | | 10452 | 9991 |
| 5.683 | | 37306 | 37749 |
| 5.837 | | 938 | 945 |
| 5.871 | | 1052 | 1049 |
| 5.909 | | 1011 | 2027 |
| 6.053 | | 43750 | 45630 |
| 6.118 | | 54306 | 67736 |
| 6.392 | | 673 | 3035 |
| 6.427 | | 1275 | 1509 |
| 6.501 | | 34851 | 39990 |
| 6.648 | DCB | 2639982 | 3003403 |
| 6.951 | | 1143 | 1954 |

LANCASTER LABORATORIES

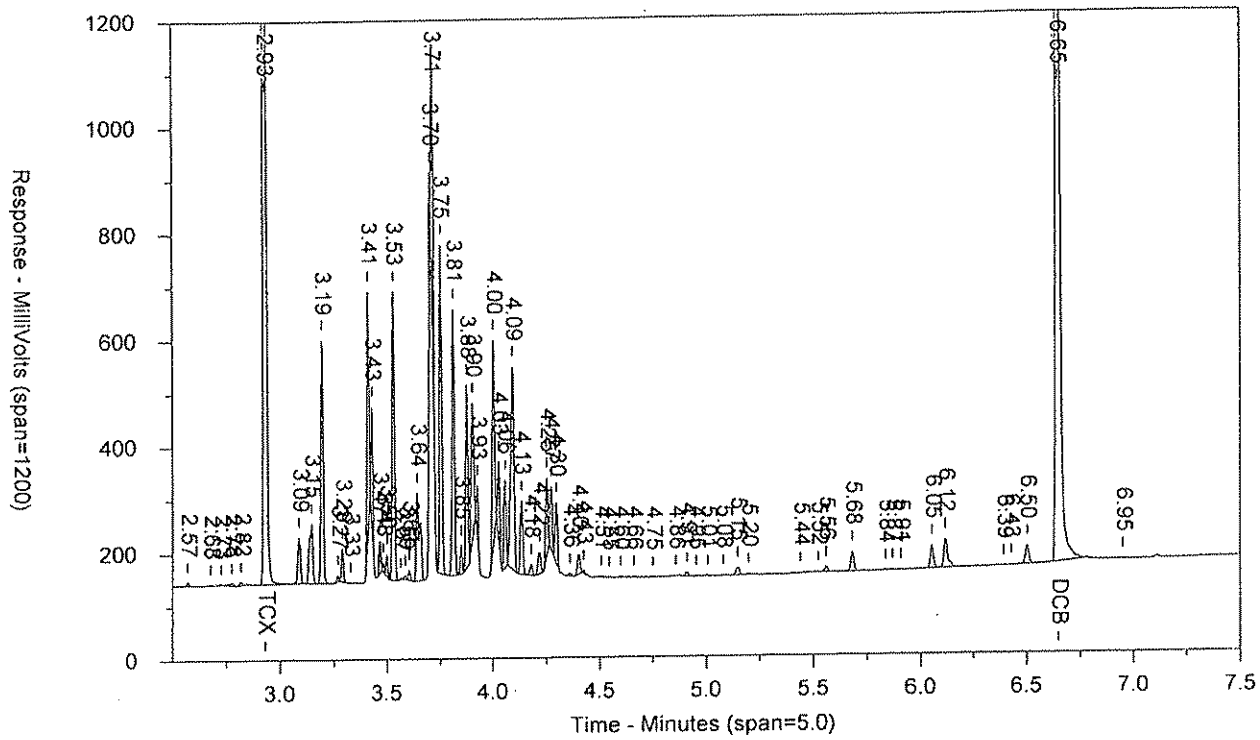
Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 15688 | 13374 |
| 2.136 | | 1119 | 868 |
| 2.185 | | 3515 | 2899 |
| 2.288 | | 10275 | 7341 |
| 2.346 | | 10124 | 14170 |
| 2.404 | | 5861 | 23080 |
| 2.488 | | 2526 | 1814 |
| 2.535 | | 2217 | 1337 |
| 2.56 | | 2062 | 1003 |
| 2.601 | TCX | 10582650 | 6133040 |
| 2.646 | | 60055 | 40627 |
| 2.679 | | 1978 | 3440 |
| 2.773 | | 155365 | 99760 |
| 2.819 | | 101557 | 48963 |
| 2.834 | | 145726 | 74554 |
| 2.886 | | 809626 | 480578 |
| 2.934 | | 21868 | 12038 |
| 2.997 | | 105077 | 63057 |
| 3.043 | | 1636 | 1551 |
| 3.093 | | 1037477 | 964172 |
| 3.145 | | 119957 | 70698 |
| 3.167 | | 54124 | 29137 |
| 3.193 | | 81262 | 44288 |
| 3.216 | | 1004014 | 641888 |
| 3.253 | | 31958 | 17699 |
| 3.28 | | 12482 | 6190 |
| 3.3 | | 254258 | 134802 |
| 3.316 | | 148758 | 73143 |
| 3.366 | | 573515 | 267762 |
| 3.376 | | 1161206 | 493027 |
| 3.41 | | 1026573 | 784225 |
| 3.485 | | 1076183 | 652776 |
| 3.521 | | 719070 | 430540 |
| 3.544 | | 814003 | 447756 |
| 3.563 | | 272356 | 140409 |
| 3.649 | | 928926 | 589362 |
| 3.672 | | 366312 | 195739 |
| 3.693 | | 328104 | 190691 |
| 3.723 | | 220335 | 114179 |
| 3.74 | | 777524 | 459726 |
| 3.78 | | 277700 | 186997 |
| 3.827 | | 31851 | 24528 |
| 3.848 | | 210341 | 125608 |
| 3.87 | | 439301 | 274334 |
| 3.895 | | 208570 | 124069 |
| 3.914 | | 27507 | 12655 |
| 3.932 | | 28878 | 17878 |
| 3.969 | | 17073 | 9920 |
| 4.004 | | 24781 | 13628 |
| 4.018 | | 21598 | 17059 |
| 4.064 | | 8025 | 10823 |
| 4.144 | | 1889 | 1168 |
| 4.168 | | 3742 | 2928 |
| 4.201 | | 3562 | 3025 |

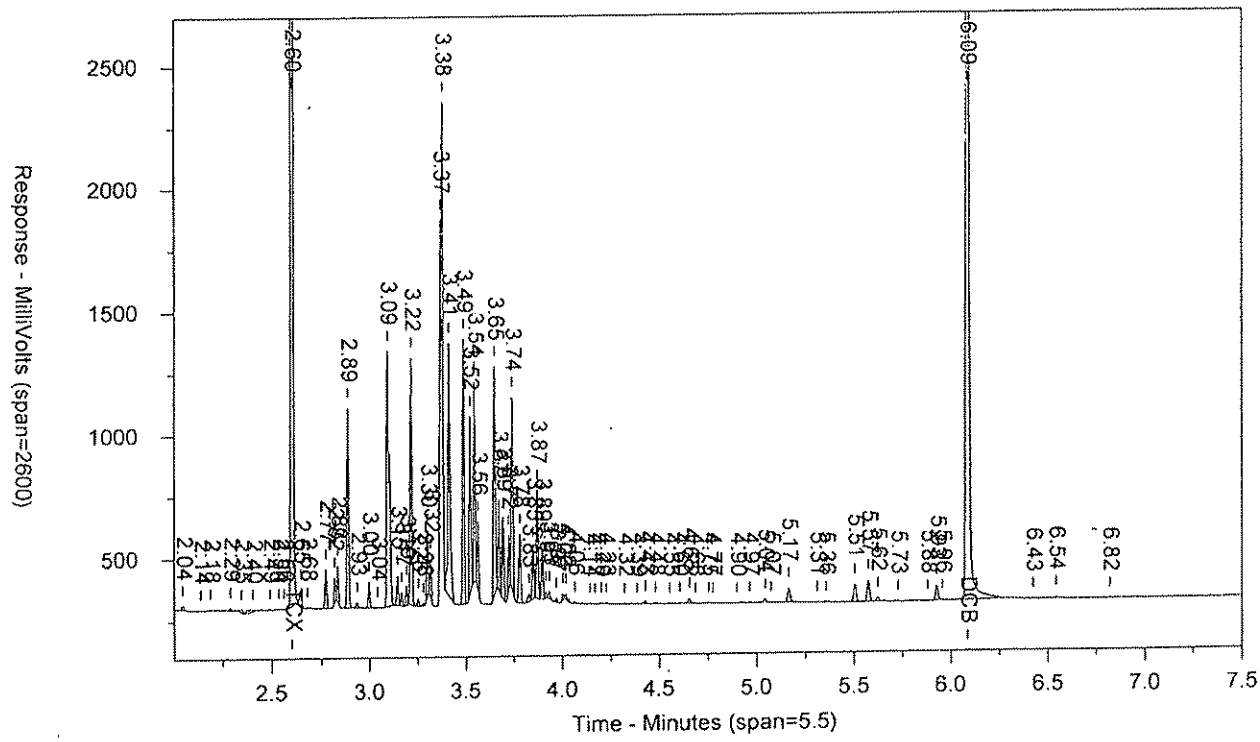
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.227 | | 3135 | 1747 |
| 4.322 | | 3224 | 3456 |
| 4.387 | | 3280 | 2333 |
| 4.428 | | 10307 | 7852 |
| 4.48 | | 4249 | 4832 |
| 4.554 | | 2203 | 1952 |
| 4.605 | | 4119 | 3631 |
| 4.654 | | 21725 | 14850 |
| 4.683 | | 1645 | 1356 |
| 4.753 | | 2446 | 1759 |
| 4.775 | | 1789 | 1765 |
| 4.9 | | 1655 | 1480 |
| 4.966 | | 2995 | 3197 |
| 5.044 | | 14523 | 14036 |
| 5.073 | | 1443 | 1279 |
| 5.165 | | 58412 | 57760 |
| 5.31 | | 1715 | 1952 |
| 5.357 | | 1544 | 1463 |
| 5.506 | | 70705 | 62555 |
| 5.574 | | 86065 | 75289 |
| 5.623 | | 14845 | 11755 |
| 5.728 | | 1672 | 2556 |
| 5.88 | | 1851 | 2241 |
| 5.927 | | 61127 | 52629 |
| 5.957 | | 2189 | 1623 |
| 6.088 | DCB | 8090898 | 6987147 |
| 6.425 | | 1833 | 2191 |
| 6.542 | | 7158 | 6627 |
| 6.82 | | 1126 | 1905 |

AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0027.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0027.RAW



LANCASTER LABORATORIES

Sample Number: AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 9:53:19 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

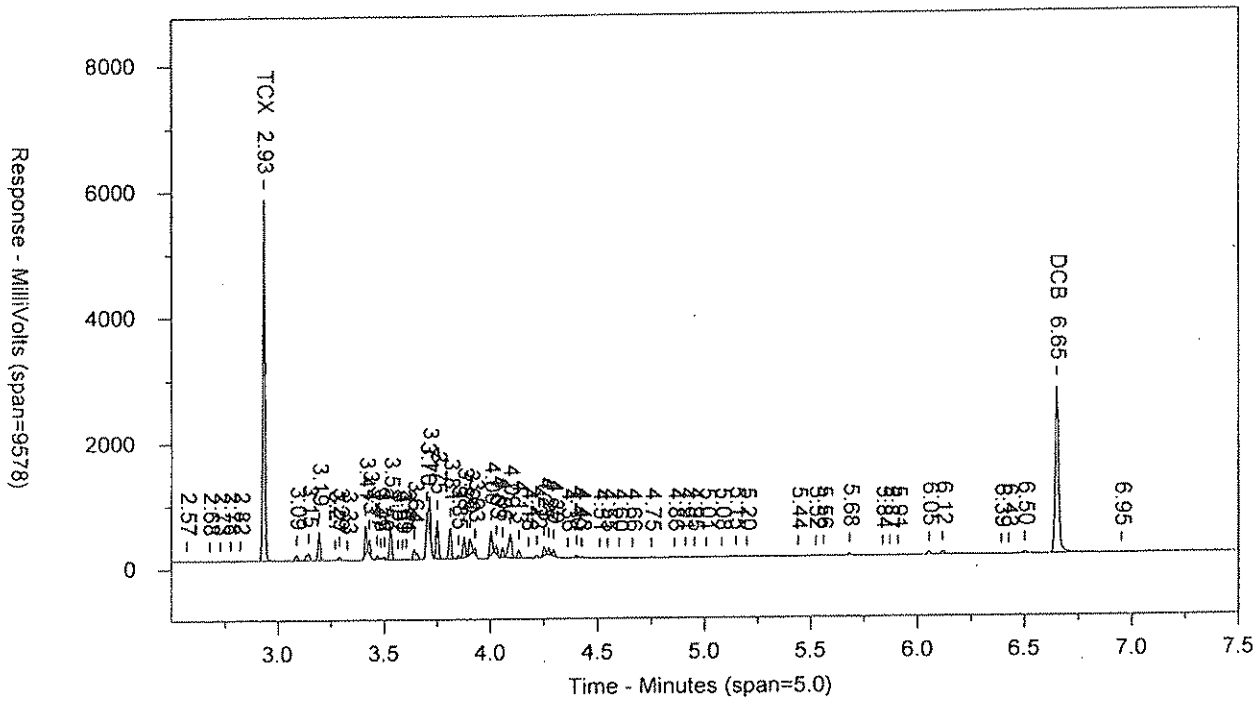
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5753823 | 42.528 | TCX | 2.601 | 10582650 | 43.087 | TCX |
| 6.648 | 2639982 | 39.495 | DCB | 6.088 | 8090898 | 42.53 | DCB |

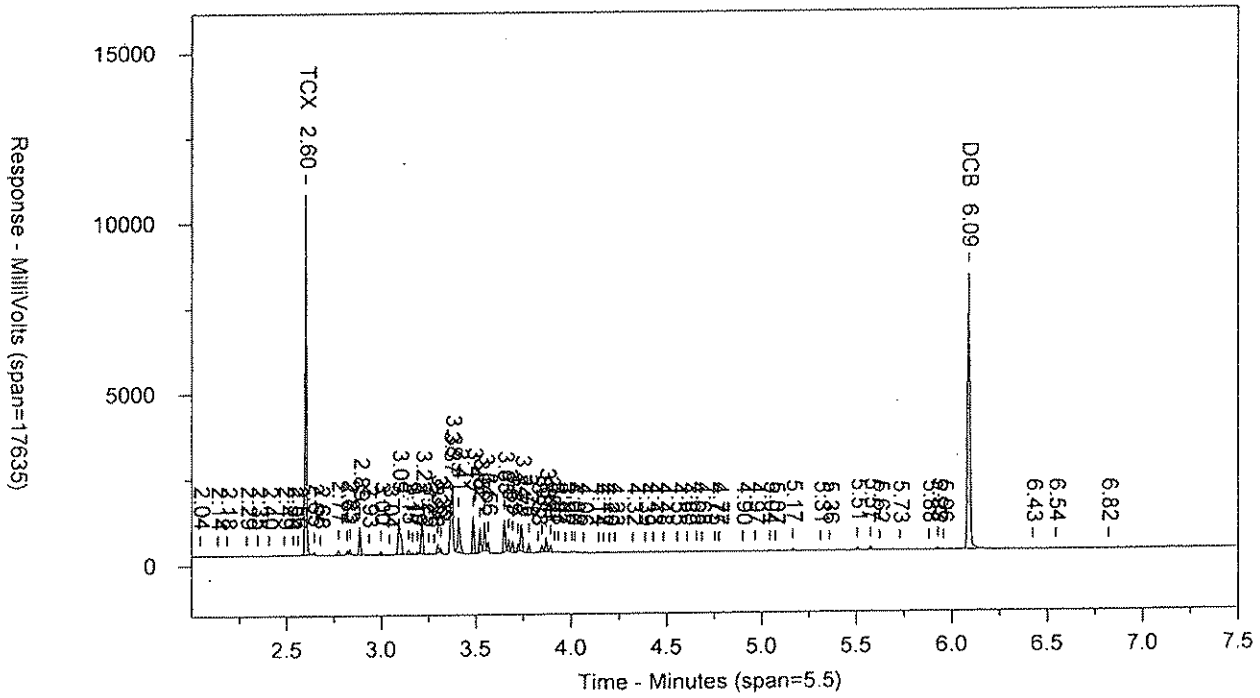
Files:
Area File: 25pcbs16207001.0027.RAW
Area File: 25pcbs16207001B.0027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:01:52 PM
File Reported On: 7/25/2016 at 10:02:01 PM

AR16XX1624B AAAR16XAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0027.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0027.RAW



LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
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: 25pcbs16207001.0028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.04 | | 1075 | 1705 |
| 2.091 | | 5857 | 12111 |
| 2.154 | | 2141 | 4108 |
| 2.314 | | 14568 | 10247 |
| 2.377 | | 1058 | 1090 |
| 2.417 | | 5681 | 4879 |
| 2.575 | | 1056 | 1062 |
| 2.669 | | 1237 | 1145 |
| 2.726 | | 754 | 471 |
| 2.779 | | 4964 | 4764 |
| 2.82 | | 4727 | 3798 |
| 2.932 | TCX | 137606 | 100157 |
| 3.087 | | 5084 | 5248 |
| 3.145 | | 6753 | 5587 |
| 3.193 | | 33431 | 25586 |
| 3.288 | | 4435 | 4402 |
| 3.411 | | 32310 | 20028 |
| 3.428 | | 15888 | 8664 |
| 3.465 | | 3620 | 1996 |
| 3.499 | | 2312 | 1388 |
| 3.529 | | 41845 | 31017 |
| 3.567 | | 1970 | 2501 |
| 3.605 | | 1571 | 1033 |
| 3.641 | | 8230 | 4808 |
| 3.656 | | 3788 | 1876 |
| 3.713 | | 67844 | 87975 |
| 3.75 | | 43285 | 32407 |
| 3.809 | | 34232 | 26774 |
| 3.847 | | 5017 | 3839 |
| 3.875 | | 26274 | 19036 |
| 3.903 | | 19802 | 16622 |
| 3.924 | | 5698 | 3324 |
| 4.002 | | 28617 | 21096 |
| 4.026 | | 10655 | 6511 |
| 4.056 | | 11332 | 8171 |
| 4.092 | | 25798 | 28154 |
| 4.132 | | 9827 | 7731 |
| 4.172 | | 2873 | 3165 |
| 4.215 | | 21598 | 20930 |
| 4.252 | | 26495 | 20143 |
| 4.273 | | 7373 | 4350 |
| 4.296 | | 6473 | 4352 |
| 4.32 | | 3434 | 2712 |
| 4.363 | | 4118 | 3734 |
| 4.407 | | 28419 | 26768 |
| 4.504 | | 2867 | 3372 |
| 4.546 | | 2910 | 2815 |
| 4.615 | | 11520 | 16730 |
| 4.661 | | 17595 | 15349 |
| 4.707 | | 26642 | 29808 |
| 4.744 | | 6218 | 4551 |
| 4.784 | | 58936 | 57035 |
| 4.875 | | 8259 | 10961 |
| 4.932 | | 10539 | 9771 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.985 | | 64226 | 86241 |
| 5.035 | | 13545 | 12086 |
| 5.078 | | 31521 | 37175 |
| 5.158 | | 6163 | 7481 |
| 5.194 | | 76296 | 90819 |
| 5.256 | | 40928 | 37270 |
| 5.299 | | 24930 | 25107 |
| 5.42 | | 50015 | 69146 |
| 5.478 | | 23646 | 23230 |
| 5.519 | | 12920 | 11772 |
| 5.558 | | 2406 | 2218 |
| 5.604 | | 14683 | 15901 |
| 5.66 | | 101097 | 124909 |
| 5.866 | | 59534 | 65184 |
| 5.905 | | 17498 | 33509 |
| 6.054 | | 2597 | 2817 |
| 6.116 | | 1997 | 1516 |
| 6.139 | | 11250 | 10141 |
| 6.298 | | 28033 | 30316 |
| 6.342 | | 1340 | 1150 |
| 6.5 | | 7513 | 8090 |
| 6.612 | | 295 | 1240 |
| 6.646 | DCB | 97083 | 108926 |
| 6.952 | | 1524 | 5882 |

LANCASTER LABORATORIES

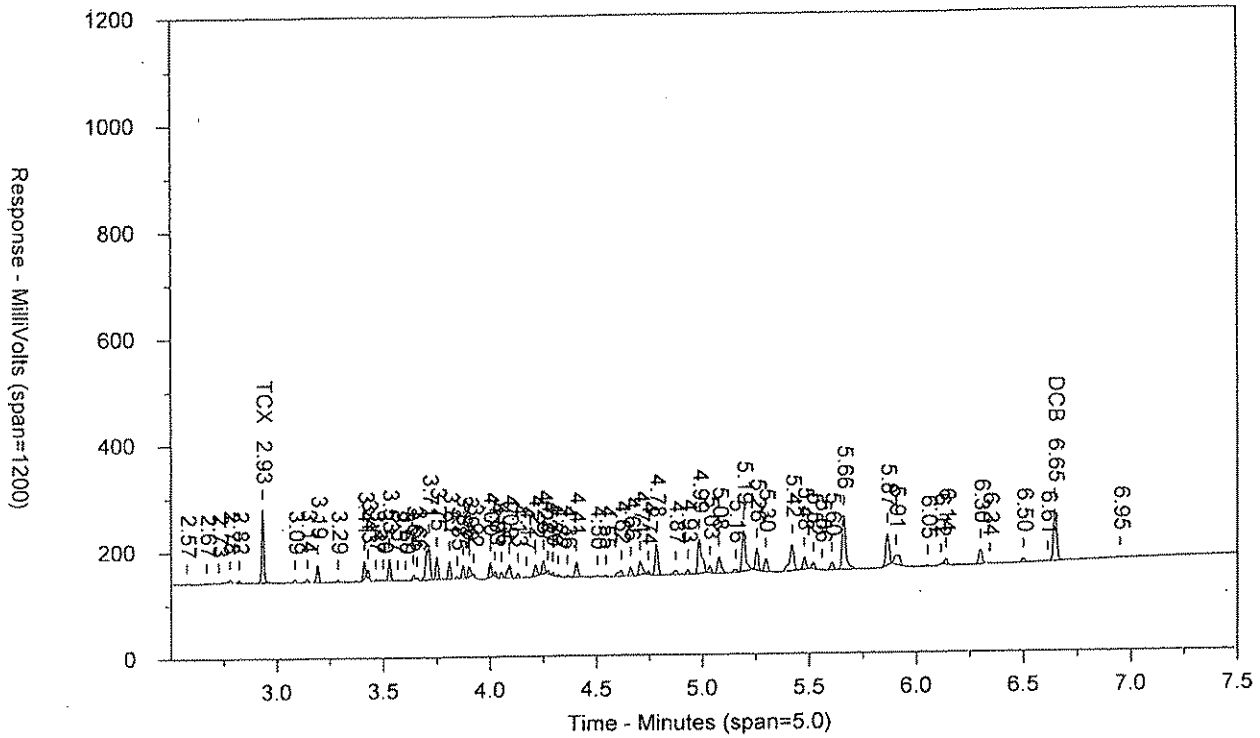
Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.149 | | 1341 | 971 |
| 2.184 | | 2723 | 2491 |
| 2.228 | | 1704 | 1652 |
| 2.351 | | 2044 | 2480 |
| 2.379 | | 1242 | 1088 |
| 2.401 | | 2047 | 1777 |
| 2.52 | | 1709 | 1196 |
| 2.536 | | 7395 | 5361 |
| 2.601 | TCX | 206492 | 121744 |
| 2.644 | | 3573 | 2559 |
| 2.693 | | 2563 | 4790 |
| 2.773 | | 9251 | 5502 |
| 2.819 | | 1532 | 726 |
| 2.834 | | 10738 | 5773 |
| 2.886 | | 49827 | 29501 |
| 2.966 | | 1068 | 1078 |
| 2.996 | | 5422 | 3496 |
| 3.038 | | 813 | 915 |
| 3.093 | | 66067 | 59941 |
| 3.144 | | 6596 | 3543 |
| 3.165 | | 2505 | 1608 |
| 3.192 | | 4606 | 2619 |
| 3.216 | | 61723 | 38350 |
| 3.252 | | 2238 | 2160 |
| 3.299 | | 14608 | 7811 |
| 3.316 | | 14646 | 8206 |
| 3.375 | | 109701 | 112183 |
| 3.409 | | 63204 | 48747 |
| 3.484 | | 59987 | 37860 |
| 3.52 | | 45457 | 27936 |
| 3.543 | | 49982 | 28231 |
| 3.562 | | 15854 | 7805 |
| 3.608 | | 1455 | 2171 |
| 3.648 | | 54501 | 33962 |
| 3.671 | | 21160 | 11280 |
| 3.692 | | 17879 | 10056 |
| 3.722 | | 13070 | 6788 |
| 3.739 | | 46339 | 26349 |
| 3.779 | | 16638 | 11010 |
| 3.825 | | 2981 | 2538 |
| 3.847 | | 12414 | 6791 |
| 3.868 | | 60834 | 37985 |
| 3.894 | | 11992 | 6833 |
| 3.931 | | 43216 | 38833 |
| 3.968 | | 47828 | 30272 |
| 4.002 | | 3509 | 1898 |
| 4.017 | | 3512 | 1623 |
| 4.062 | | 8284 | 7481 |
| 4.109 | | 3929 | 4348 |
| 4.167 | | 13177 | 9195 |
| 4.21 | | 13376 | 8263 |
| 4.227 | | 14114 | 6330 |
| 4.24 | | 36011 | 19959 |
| 4.265 | | 18990 | 18952 |

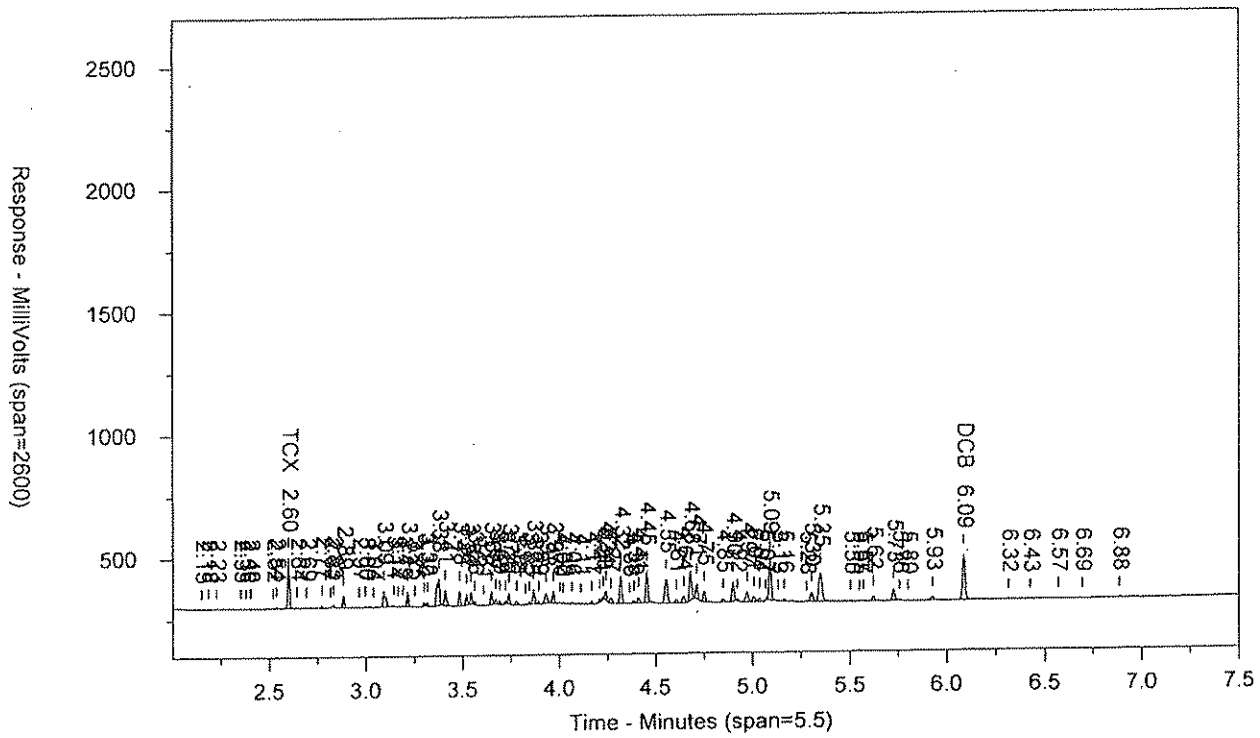
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.317 | | 113156 | 81091 |
| 4.364 | | 1589 | 1439 |
| 4.386 | | 9038 | 5813 |
| 4.41 | | 22894 | 16978 |
| 4.452 | | 128013 | 91049 |
| 4.553 | | 97603 | 93261 |
| 4.606 | | 12973 | 10052 |
| 4.645 | | 26493 | 23457 |
| 4.68 | | 121760 | 97967 |
| 4.712 | | 62281 | 44245 |
| 4.75 | | 42074 | 32982 |
| 4.847 | | 14215 | 13897 |
| 4.899 | | 79712 | 61378 |
| 4.922 | | 9069 | 5488 |
| 4.972 | | 41338 | 36821 |
| 5.007 | | 20140 | 15277 |
| 5.036 | | 13768 | 11091 |
| 5.069 | | 4499 | 2311 |
| 5.09 | | 166555 | 140483 |
| 5.132 | | 3008 | 2356 |
| 5.163 | | 7588 | 6168 |
| 5.28 | | 1568 | 845 |
| 5.305 | | 38037 | 31657 |
| 5.349 | | 115874 | 132031 |
| 5.504 | | 3517 | 3001 |
| 5.55 | | 2170 | 1740 |
| 5.57 | | 3144 | 2561 |
| 5.622 | | 20034 | 16619 |
| 5.727 | | 47287 | 39051 |
| 5.756 | | 1945 | 1538 |
| 5.802 | | 1034 | 1442 |
| 5.927 | | 14563 | 13265 |
| 6.086 | DCB | 183983 | 164250 |
| 6.315 | | 1338 | 1704 |
| 6.426 | | 1077 | 1458 |
| 6.57 | | 2068 | 3933 |
| 6.693 | | 1171 | 1317 |
| 6.883 | | 1340 | 2000 |

MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0028.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0028.RAW



LANCASTER LABORATORIES

Sample Number: MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:04:59 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

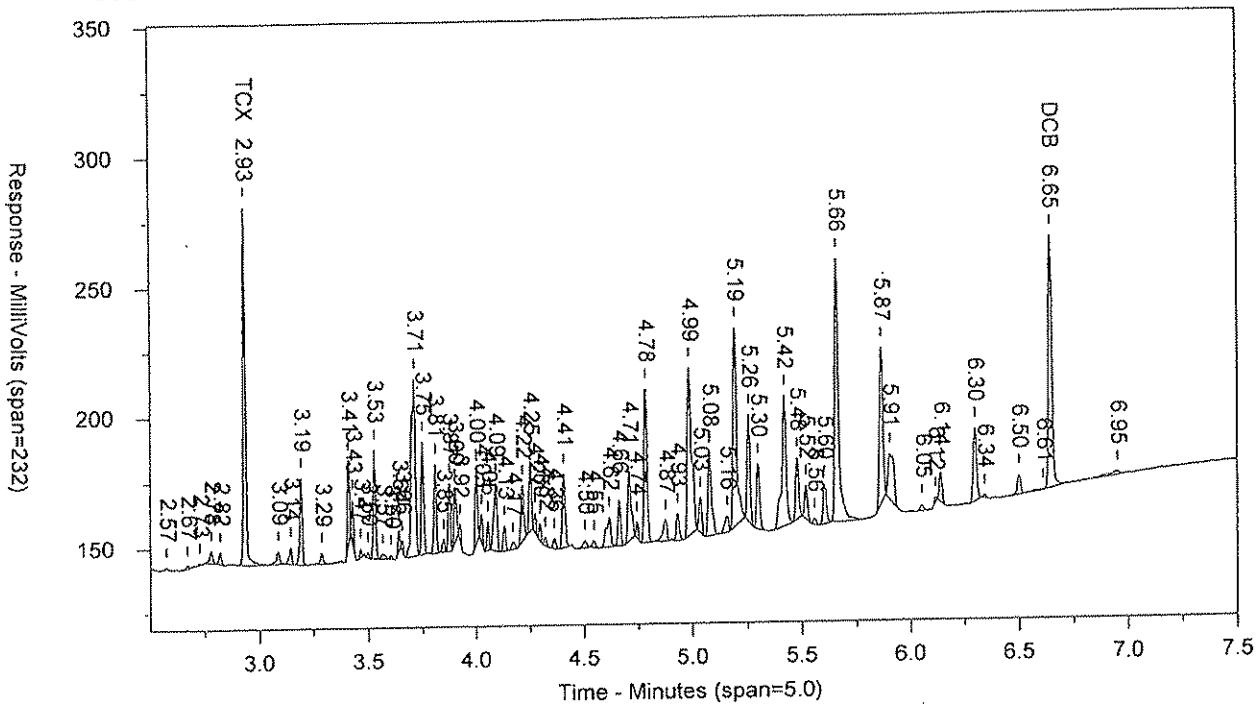
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 137606 | 1.017 | TCX | 2.601 | 206492 | .841 | TCX |
| 6.646 | 97083 | 1.452 | DCB | 6.086 | 183983 | .967 | DCB |

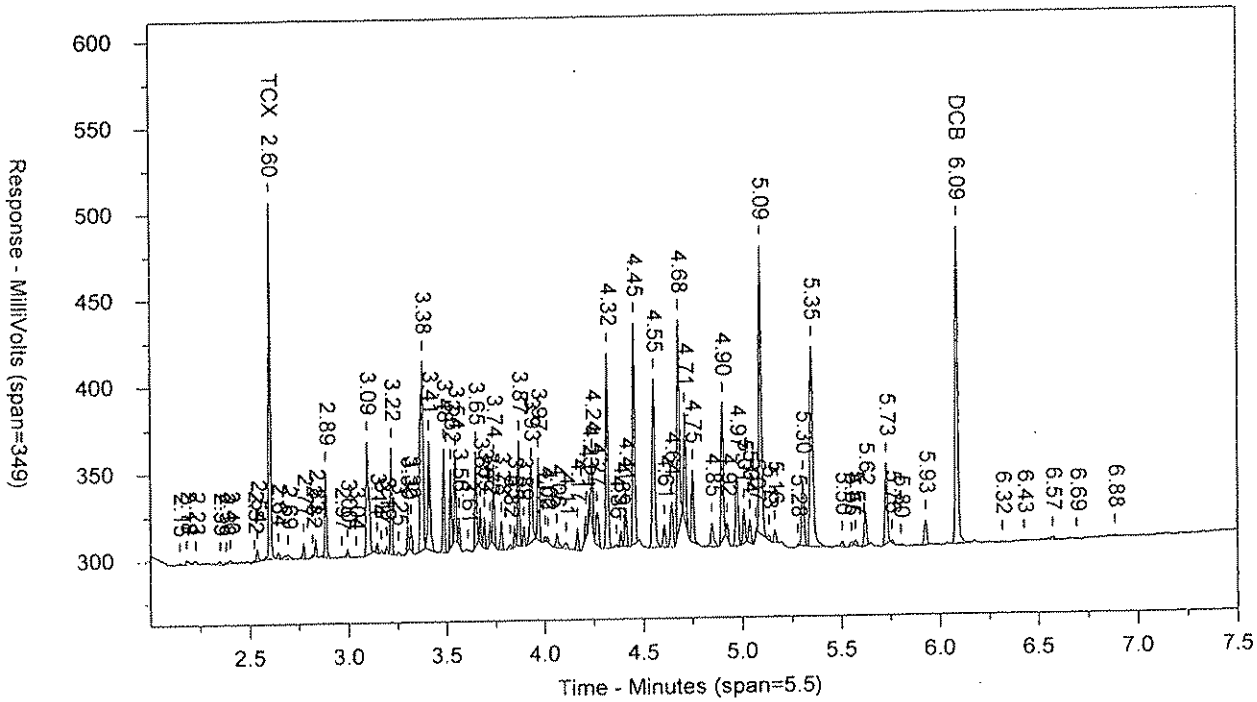
Files:
Area File: 25pcbs16207001.0028.RAW
Area File: 25pcbs16207001B.0028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:13:32 PM
File Reported On: 7/25/2016 at 10:13:39 PM

MD16X1624B AAMD16XAA ICAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0028.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0028.RAW



LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
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: 25pcbs16207001.0029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.092 | | 6535 | 12680 |
| 2.152 | | 2291 | 5118 |
| 2.222 | | 29469 | 22736 |
| 2.314 | | 12439 | 7468 |
| 2.334 | | 10503 | 6321 |
| 2.379 | | 1269 | 1382 |
| 2.418 | | 3882 | 3918 |
| 2.572 | | 7042 | 6066 |
| 2.67 | | 1338 | 1269 |
| 2.725 | | 2720 | 2087 |
| 2.78 | | 7961 | 8990 |
| 2.82 | | 3187 | 2661 |
| 2.852 | | 2034 | 1655 |
| 2.932 | TCX | 5701929 | 3796616 |
| 3.086 | | 86808 | 73923 |
| 3.144 | | 114634 | 126093 |
| 3.194 | | 465686 | 334101 |
| 3.267 | | 12578 | 7420 |
| 3.288 | | 68068 | 45227 |
| 3.327 | | 1603 | 1197 |
| 3.412 | | 490094 | 295832 |
| 3.429 | | 235602 | 129936 |
| 3.467 | | 69879 | 58369 |
| 3.499 | | 40705 | 23495 |
| 3.53 | | 581899 | 443483 |
| 3.566 | | 3355 | 1875 |
| 3.586 | | 10727 | 6395 |
| 3.605 | | 21701 | 14029 |
| 3.642 | | 182941 | 210747 |
| 3.703 | | 223279 | 141087 |
| 3.714 | | 565139 | 288796 |
| 3.751 | | 642920 | 507626 |
| 3.81 | | 550158 | 441815 |
| 3.849 | | 55936 | 38660 |
| 3.875 | | 381224 | 285869 |
| 3.904 | | 291071 | 248414 |
| 3.926 | | 90346 | 50509 |
| 4.003 | | 423813 | 305652 |
| 4.026 | | 144994 | 94822 |
| 4.057 | | 165063 | 120696 |
| 4.093 | | 339644 | 368440 |
| 4.133 | | 114448 | 91162 |
| 4.179 | | 11729 | 10060 |
| 4.217 | | 32520 | 29751 |
| 4.253 | | 325150 | 262057 |
| 4.274 | | 53148 | 28757 |
| 4.298 | | 66725 | 47941 |
| 4.365 | | 61351 | 53013 |
| 4.408 | | 381396 | 355793 |
| 4.442 | | 11473 | 6896 |
| 4.506 | | 5965 | 5488 |
| 4.547 | | 46632 | 48010 |
| 4.602 | | 28686 | 19895 |
| 4.616 | | 103955 | 73299 |



Printed on 7/25/2016 10:25:22 PM

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.662 | | 227976 | 215312 |
| 4.708 | | 392244 | 441110 |
| 4.746 | | 96054 | 72618 |
| 4.785 | | 798992 | 781170 |
| 4.827 | | 7380 | 6363 |
| 4.876 | | 113865 | 135475 |
| 4.907 | | 11627 | 7573 |
| 4.933 | | 156531 | 150038 |
| 4.986 | | 849371 | 1161631 |
| 5.036 | | 196758 | 180326 |
| 5.079 | | 469913 | 547615 |
| 5.121 | | 6977 | 3884 |
| 5.158 | | 104359 | 127989 |
| 5.195 | | 999912 | 1179295 |
| 5.257 | | 530287 | 496132 |
| 5.3 | | 347637 | 353429 |
| 5.421 | | 689004 | 970275 |
| 5.48 | | 321972 | 321406 |
| 5.52 | | 176733 | 161204 |
| 5.56 | | 49472 | 46839 |
| 5.605 | | 227411 | 230001 |
| 5.661 | | 1372362 | 1658286 |
| 5.868 | | 773800 | 862906 |
| 5.92 | | 237988 | 451885 |
| 6.053 | | 70301 | 72903 |
| 6.118 | | 45922 | 33754 |
| 6.141 | | 154887 | 144756 |
| 6.299 | | 378463 | 416758 |
| 6.344 | | 25707 | 23378 |
| 6.501 | | 162277 | 192386 |
| 6.649 | DCB | 2624013 | 2947810 |
| 6.955 | | 1242 | 2083 |

LANCASTER LABORATORIES

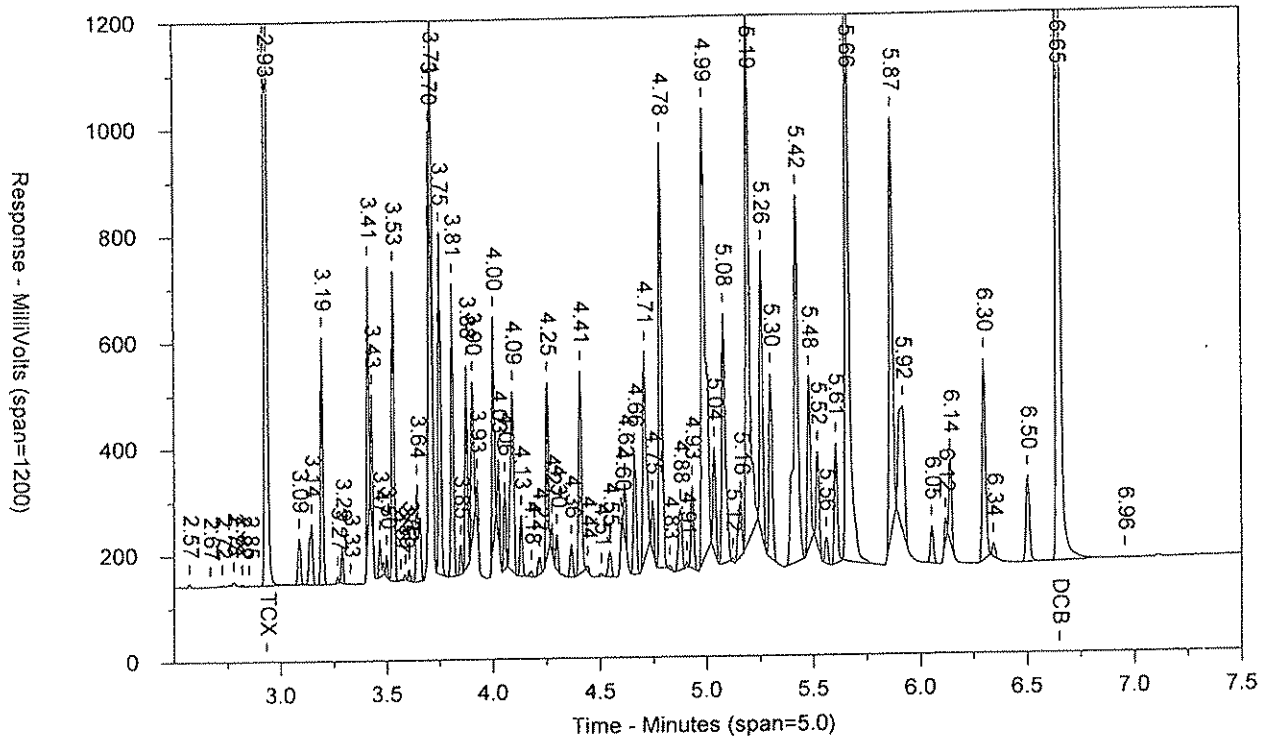
Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 15681 | 11925 |
| 2.145 | | 1649 | 2464 |
| 2.186 | | 1368 | 1683 |
| 2.288 | | 8972 | 6177 |
| 2.399 | | 2408 | 1340 |
| 2.484 | | 4233 | 8692 |
| 2.52 | | 3545 | 3333 |
| 2.536 | | 12383 | 7402 |
| 2.559 | | 1435 | 698 |
| 2.579 | | 2671 | 1178 |
| 2.601 | TCX | 10779800 | 6063711 |
| 2.646 | | 63923 | 42889 |
| 2.692 | | 2383 | 2158 |
| 2.773 | | 158470 | 101665 |
| 2.819 | | 104906 | 48349 |
| 2.834 | | 150762 | 76974 |
| 2.886 | | 845421 | 500093 |
| 2.934 | | 21934 | 12781 |
| 2.997 | | 112693 | 68605 |
| 3.093 | | 1128920 | 1049203 |
| 3.145 | | 129035 | 77422 |
| 3.166 | | 55804 | 31983 |
| 3.192 | | 84258 | 45422 |
| 3.216 | | 1096098 | 692645 |
| 3.253 | | 36970 | 20655 |
| 3.28 | | 16793 | 8087 |
| 3.3 | | 272819 | 144672 |
| 3.316 | | 185836 | 94016 |
| 3.366 | | 682720 | 294879 |
| 3.376 | | 1259316 | 516147 |
| 3.41 | | 1151431 | 850566 |
| 3.485 | | 1188184 | 710623 |
| 3.52 | | 800106 | 488768 |
| 3.544 | | 917599 | 502091 |
| 3.562 | | 298844 | 153703 |
| 3.649 | | 1001898 | 634587 |
| 3.672 | | 378671 | 200824 |
| 3.693 | | 319402 | 183234 |
| 3.722 | | 230809 | 118731 |
| 3.739 | | 666599 | 383283 |
| 3.78 | | 221280 | 144118 |
| 3.826 | | 23695 | 23833 |
| 3.848 | | 101801 | 56557 |
| 3.869 | | 824815 | 519623 |
| 3.894 | | 115050 | 66310 |
| 3.914 | | 14490 | 6553 |
| 3.933 | | 131445 | 86699 |
| 3.969 | | 803744 | 526291 |
| 4.002 | | 43228 | 25230 |
| 4.017 | | 43293 | 27924 |
| 4.063 | | 5987 | 3457 |
| 4.111 | | 57530 | 63388 |
| 4.168 | | 196579 | 133570 |
| 4.211 | | 237864 | 142011 |

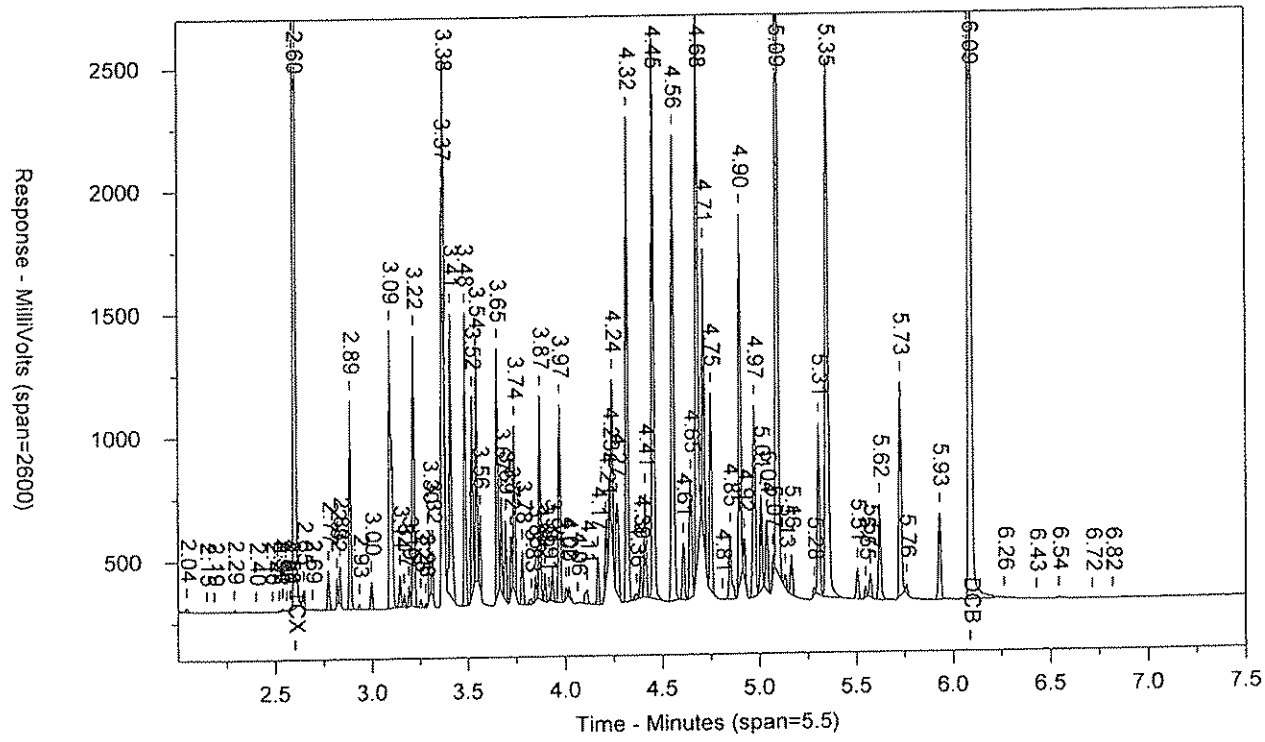
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.228 | | 187138 | 87466 |
| 4.242 | | 645365 | 364505 |
| 4.266 | | 362374 | 345499 |
| 4.318 | | 1971911 | 1434824 |
| 4.365 | | 25738 | 24541 |
| 4.387 | | 133327 | 85619 |
| 4.411 | | 419481 | 301208 |
| 4.453 | | 2276337 | 1681259 |
| 4.555 | | 1895102 | 1708404 |
| 4.608 | | 229704 | 182285 |
| 4.646 | | 479950 | 420893 |
| 4.681 | | 2277290 | 1815223 |
| 4.713 | | 1172781 | 798198 |
| 4.751 | | 803049 | 587075 |
| 4.809 | | 2441 | 1779 |
| 4.849 | | 269501 | 251027 |
| 4.9 | | 1500706 | 1154034 |
| 4.923 | | 158693 | 99355 |
| 4.973 | | 776430 | 673243 |
| 5.007 | | 384921 | 289702 |
| 5.037 | | 283898 | 226247 |
| 5.069 | | 80172 | 48412 |
| 5.091 | | 3468559 | 2733184 |
| 5.132 | | 56118 | 38927 |
| 5.164 | | 161254 | 124835 |
| 5.282 | | 35034 | 21507 |
| 5.305 | | 696869 | 556509 |
| 5.35 | | 2191503 | 2374540 |
| 5.505 | | 125223 | 104872 |
| 5.55 | | 43952 | 31867 |
| 5.574 | | 94812 | 70581 |
| 5.621 | | 389164 | 340254 |
| 5.727 | | 867085 | 713896 |
| 5.759 | | 38518 | 27331 |
| 5.927 | | 350576 | 305522 |
| 6.088 | DCB | 7776003 | 6772504 |
| 6.262 | | 3929 | 3032 |
| 6.428 | | 1829 | 2840 |
| 6.543 | | 6592 | 5890 |
| 6.716 | | 1349 | 1866 |
| 6.817 | | 924 | 1755 |

IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0029.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0029.RAW



LANCASTER LABORATORIES

Sample Number: IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:16:45 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

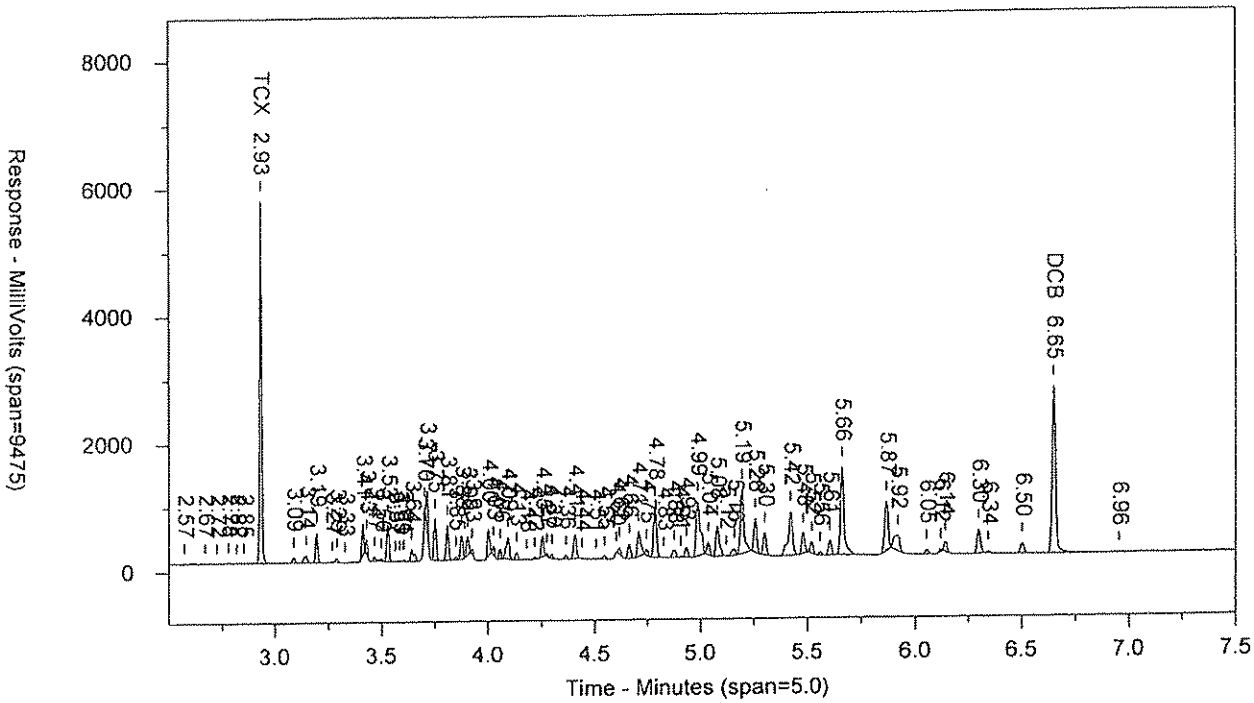
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5701929 | 42.144 | TCX | 2.601 | 10779800 | 43.889 | TCX |
| 6.649 | 2624013 | 39.256 | DCB | 6.088 | 7776003 | 40.875 | DCB |

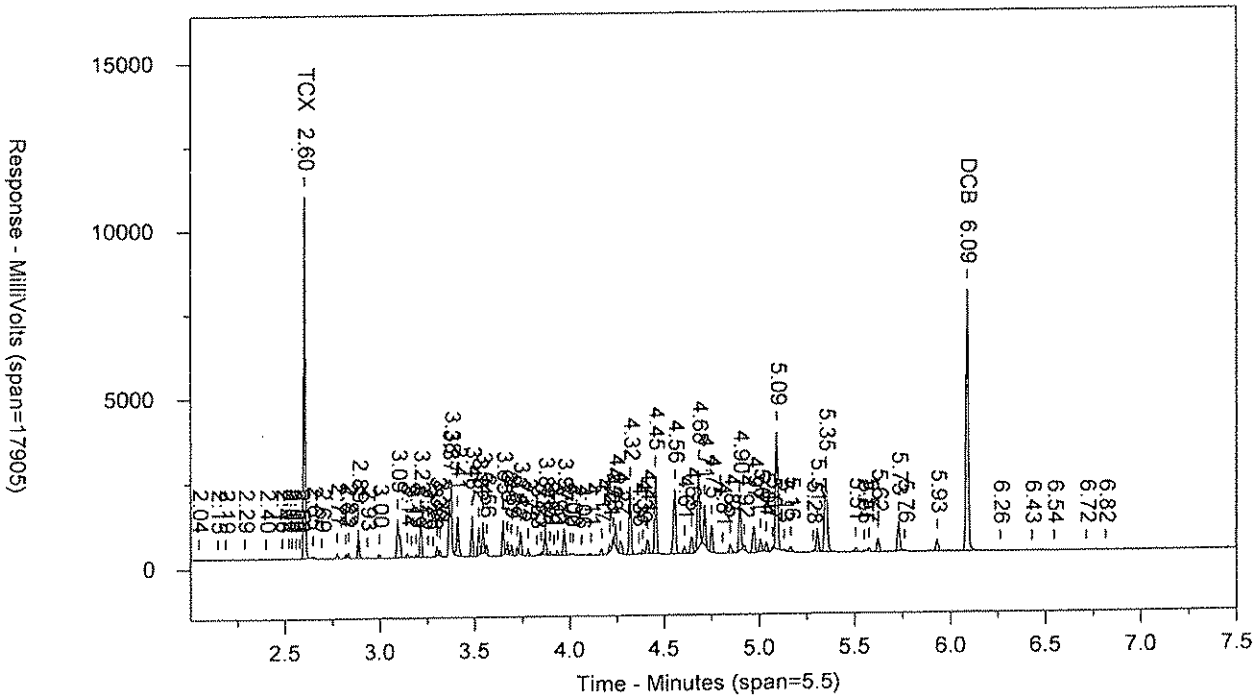
Files:
Area File: 25pcbs16207001.0029.RAW
Area File: 25pcbs16207001B.0029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:25:16 PM
File Reported On: 7/25/2016 at 10:25:21 PM

IC16X1624B AAIC16XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0029.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0029.RAW



LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.043 | | 1295 | 2569 |
| 2.092 | | 8005 | 17773 |
| 2.154 | | 4216 | 10771 |
| 2.223 | | 30516 | 24275 |
| 2.315 | | 15496 | 9252 |
| 2.334 | | 9576 | 5642 |
| 2.356 | | 1600 | 1085 |
| 2.419 | | 5927 | 5242 |
| 2.492 | | 828 | 865 |
| 2.573 | | 3242 | 2786 |
| 2.619 | | 1142 | 1081 |
| 2.672 | | 2681 | 2978 |
| 2.73 | | 3005 | 2771 |
| 2.78 | | 4046 | 4746 |
| 2.82 | | 5041 | 4501 |
| 2.852 | | 609 | 618 |
| 2.932 | TCX | 5928522 | 3892198 |
| 3.021 | | 2506 | 1480 |
| 3.068 | | 1752 | 1107 |
| 3.088 | | 13279 | 10398 |
| 3.135 | | 83707 | 62808 |
| 3.194 | | 76012 | 56518 |
| 3.267 | | 13900 | 8500 |
| 3.289 | | 17147 | 11228 |
| 3.369 | | 911 | 1530 |
| 3.412 | | 243478 | 150602 |
| 3.429 | | 81737 | 40759 |
| 3.467 | | 21326 | 16868 |
| 3.501 | | 4268 | 2422 |
| 3.53 | | 238552 | 181808 |
| 3.587 | | 10855 | 7606 |
| 3.606 | | 8554 | 5490 |
| 3.643 | | 62578 | 60739 |
| 3.715 | | 523567 | 754677 |
| 3.752 | | 288590 | 232278 |
| 3.81 | | 303927 | 250330 |
| 3.85 | | 61491 | 43040 |
| 3.877 | | 531105 | 389042 |
| 3.904 | | 357097 | 292480 |
| 3.926 | | 120151 | 69832 |
| 4.003 | | 606863 | 442833 |
| 4.028 | | 180800 | 120296 |
| 4.058 | | 228762 | 170367 |
| 4.093 | | 498822 | 493550 |
| 4.134 | | 183022 | 155099 |
| 4.179 | | 25339 | 24747 |
| 4.219 | | 71913 | 66725 |
| 4.254 | | 447509 | 316718 |
| 4.275 | | 543238 | 348333 |
| 4.298 | | 605717 | 433619 |
| 4.365 | | 63839 | 58496 |
| 4.404 | | 530994 | 450802 |
| 4.426 | | 184733 | 197680 |
| 4.484 | | 9003 | 5691 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.507 | | 45443 | 36944 |
| 4.549 | | 168737 | 156241 |
| 4.602 | | 237528 | 219927 |
| 4.634 | | 147115 | 112682 |
| 4.663 | | 396117 | 355196 |
| 4.708 | | 4811 | 3147 |
| 4.749 | | 162859 | 151009 |
| 4.786 | | 34269 | 41081 |
| 4.838 | | 41276 | 36252 |
| 4.879 | | 256665 | 260802 |
| 4.935 | | 3146 | 1803 |
| 4.96 | | 23235 | 20446 |
| 4.987 | | 20162 | 13303 |
| 5.004 | | 18755 | 13366 |
| 5.08 | | 273169 | 271903 |
| 5.123 | | 6409 | 4341 |
| 5.15 | | 17348 | 18469 |
| 5.196 | | 87265 | 99226 |
| 5.301 | | 1715 | 1397 |
| 5.406 | | 33869 | 44245 |
| 5.481 | | 2595 | 2248 |
| 5.528 | | 8165 | 11345 |
| 5.561 | | 5566 | 4482 |
| 5.605 | | 15170 | 14647 |
| 5.662 | | 4798 | 3152 |
| 5.683 | | 22792 | 18451 |
| 5.84 | | 5485 | 8198 |
| 5.869 | | 7666 | 6922 |
| 5.921 | | 3874 | 7130 |
| 6.054 | | 39722 | 40192 |
| 6.121 | | 53967 | 68191 |
| 6.227 | | 1205 | 1946 |
| 6.3 | | 2686 | 3379 |
| 6.39 | | 6042 | 9372 |
| 6.429 | | 977 | 1066 |
| 6.475 | | 765 | 596 |
| 6.504 | | 40087 | 43545 |
| 6.651 | DCB | 2610936 | 3022504 |
| 6.897 | | 4047 | 10405 |

LANCASTER LABORATORIES

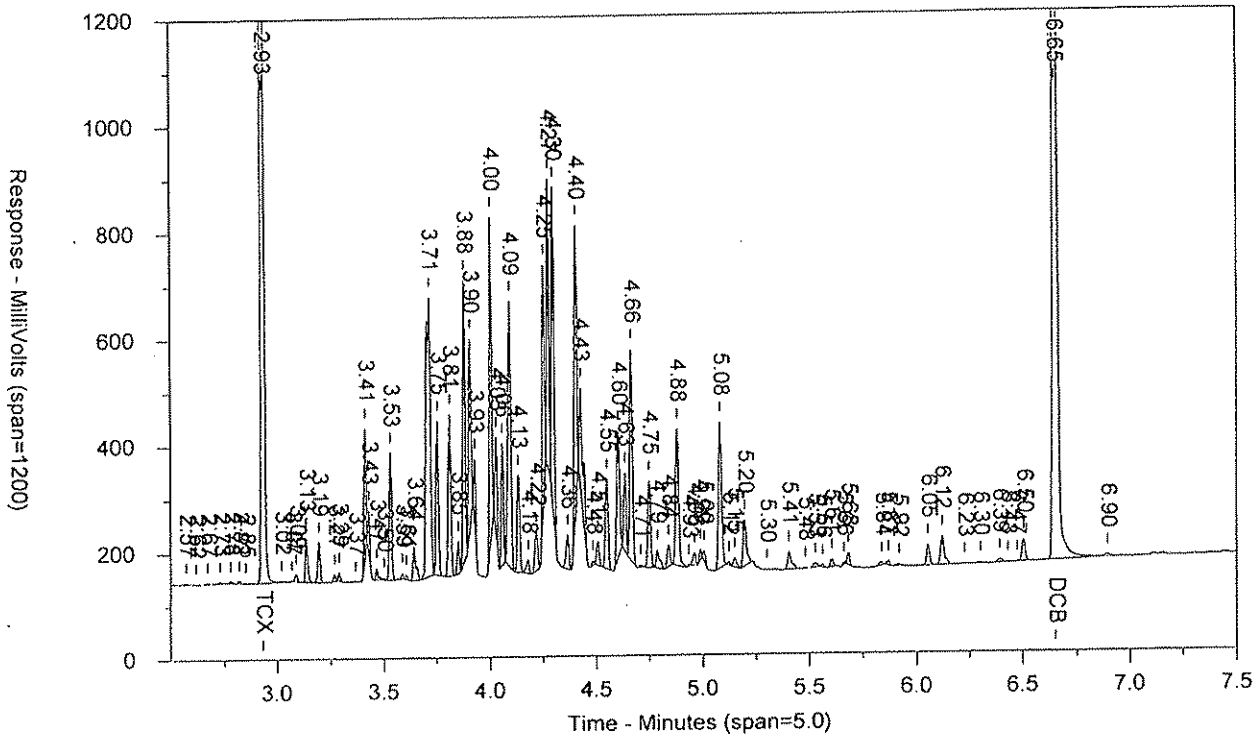
Sample Number: IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 PM Injection Volume: 1 ul
Analyst: 2855
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 15932 | 12130 |
| 2.143 | | 2199 | 2452 |
| 2.187 | | 2336 | 2322 |
| 2.223 | | 2159 | 2424 |
| 2.264 | | 2190 | 1209 |
| 2.346 | | 3211 | 3823 |
| 2.403 | | 6347 | 19370 |
| 2.521 | | 2795 | 2015 |
| 2.536 | | 5438 | 4149 |
| 2.602 | TCX | 10738080 | 6230586 |
| 2.692 | | 8633 | 7022 |
| 2.774 | | 25394 | 17087 |
| 2.819 | | 128158 | 84300 |
| 2.886 | | 116847 | 69696 |
| 2.935 | | 22372 | 12888 |
| 2.997 | | 28724 | 19737 |
| 3.093 | | 501656 | 431578 |
| 3.145 | | 33905 | 18702 |
| 3.167 | | 8828 | 5372 |
| 3.192 | | 8291 | 4279 |
| 3.216 | | 402930 | 260663 |
| 3.253 | | 15522 | 8843 |
| 3.28 | | 17704 | 9023 |
| 3.3 | | 88976 | 45950 |
| 3.316 | | 37278 | 18526 |
| 3.376 | | 976198 | 1054740 |
| 3.396 | | 85012 | 38261 |
| 3.41 | | 412145 | 236575 |
| 3.485 | | 631385 | 383687 |
| 3.521 | | 1115304 | 686775 |
| 3.544 | | 1088807 | 586453 |
| 3.562 | | 376094 | 188528 |
| 3.649 | | 1294769 | 796260 |
| 3.672 | | 436558 | 235120 |
| 3.693 | | 446391 | 263748 |
| 3.723 | | 220583 | 114648 |
| 3.74 | | 1014331 | 587817 |
| 3.78 | | 386583 | 249762 |
| 3.827 | | 73804 | 56916 |
| 3.848 | | 783704 | 474122 |
| 3.87 | | 1887705 | 1171093 |
| 3.895 | | 1369375 | 826594 |
| 3.914 | | 94753 | 46712 |
| 3.934 | | 113495 | 67361 |
| 3.969 | | 538614 | 360359 |
| 4.004 | | 1000041 | 721211 |
| 4.031 | | 525119 | 284009 |
| 4.062 | | 4550 | 1808 |
| 4.078 | | 63286 | 42070 |
| 4.112 | | 332346 | 237893 |
| 4.169 | | 570276 | 404715 |
| 4.202 | | 302012 | 214929 |
| 4.228 | | 883956 | 606572 |
| 4.266 | | 13745 | 12197 |

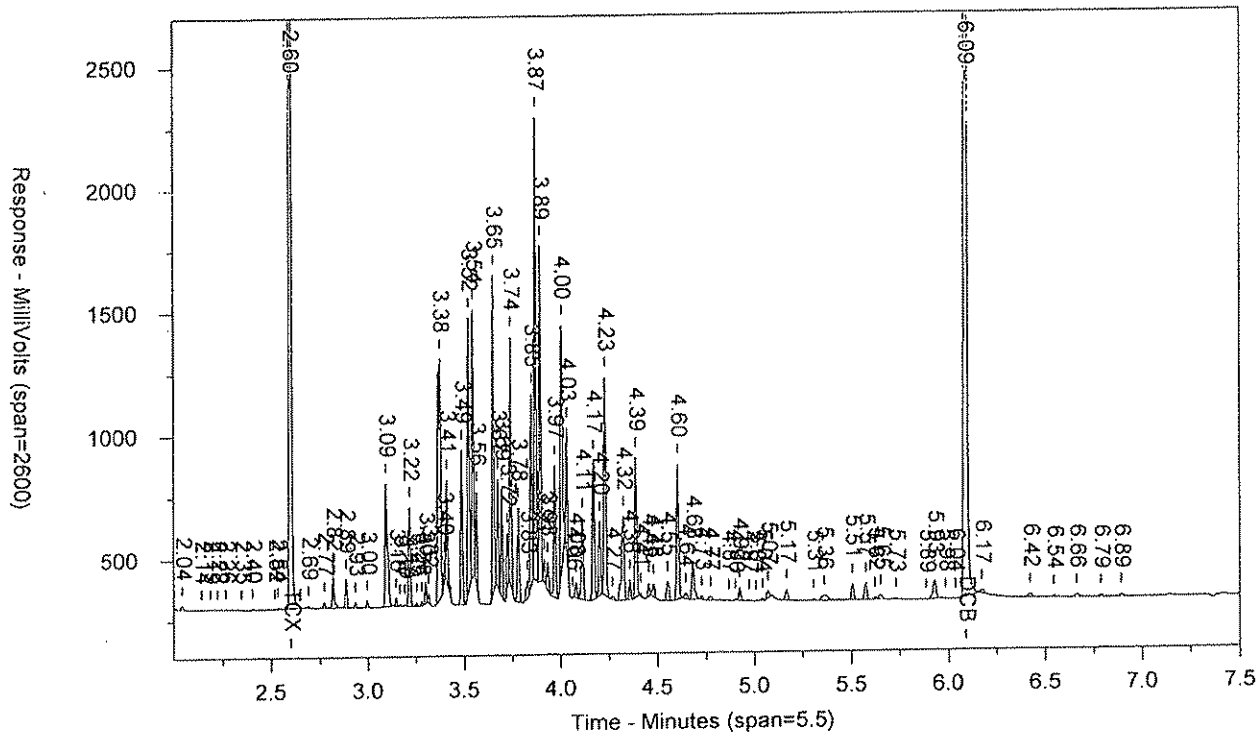
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.321 | | 342054 | 308356 |
| 4.356 | | 84362 | 57958 |
| 4.387 | | 570232 | 398992 |
| 4.411 | | 14385 | 7456 |
| 4.454 | | 55195 | 33959 |
| 4.479 | | 52073 | 41205 |
| 4.551 | | 79290 | 73706 |
| 4.603 | | 555923 | 421661 |
| 4.643 | | 22768 | 25635 |
| 4.682 | | 141893 | 128806 |
| 4.728 | | 14454 | 9451 |
| 4.771 | | 14963 | 20844 |
| 4.867 | | 5529 | 4097 |
| 4.9 | | 7123 | 4623 |
| 4.924 | | 52681 | 40411 |
| 4.972 | | 5064 | 5125 |
| 5.008 | | 2511 | 1826 |
| 5.043 | | 9718 | 6948 |
| 5.071 | | 29705 | 26539 |
| 5.166 | | 44957 | 42991 |
| 5.306 | | 5891 | 5810 |
| 5.359 | | 20363 | 51335 |
| 5.506 | | 65639 | 54424 |
| 5.575 | | 71352 | 62532 |
| 5.622 | | 9733 | 7220 |
| 5.652 | | 16984 | 24554 |
| 5.73 | | 4414 | 4230 |
| 5.885 | | 1917 | 1566 |
| 5.928 | | 75236 | 78199 |
| 5.983 | | 1434 | 1089 |
| 6.036 | | 1139 | 1453 |
| 6.089 | DCB | 8159891 | 6770200 |
| 6.174 | | 13236 | 17801 |
| 6.422 | | 15684 | 24279 |
| 6.544 | | 7688 | 9824 |
| 6.66 | | 11661 | 16127 |
| 6.786 | | 9319 | 10512 |
| 6.893 | | 10267 | 16090 |

IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0030.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0030.RAW



LANCASTER LABORATORIES

Sample Number: IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:28:28 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

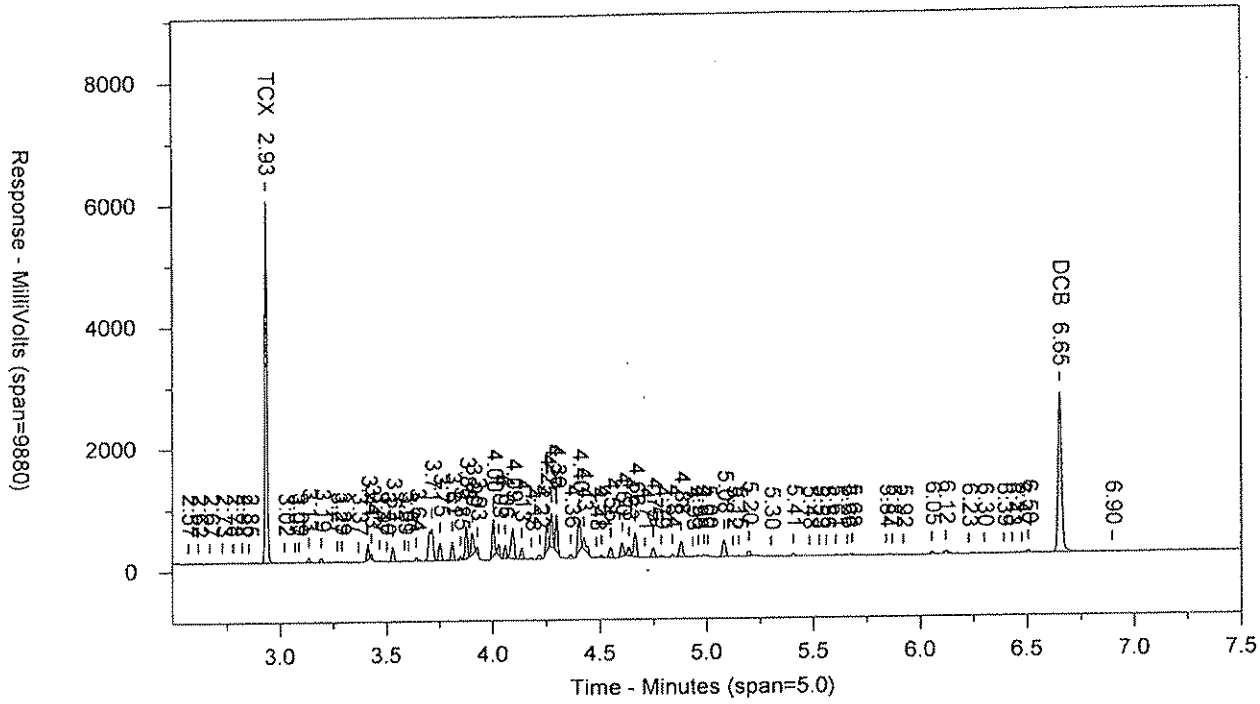
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 5928522 | 43.819 | TCX | 2.602 | 10738080 | 43.72 | TCX |
| 6.651 | 2610936 | 39.061 | DCB | 6.089 | 8159891 | 42.893 | DCB |

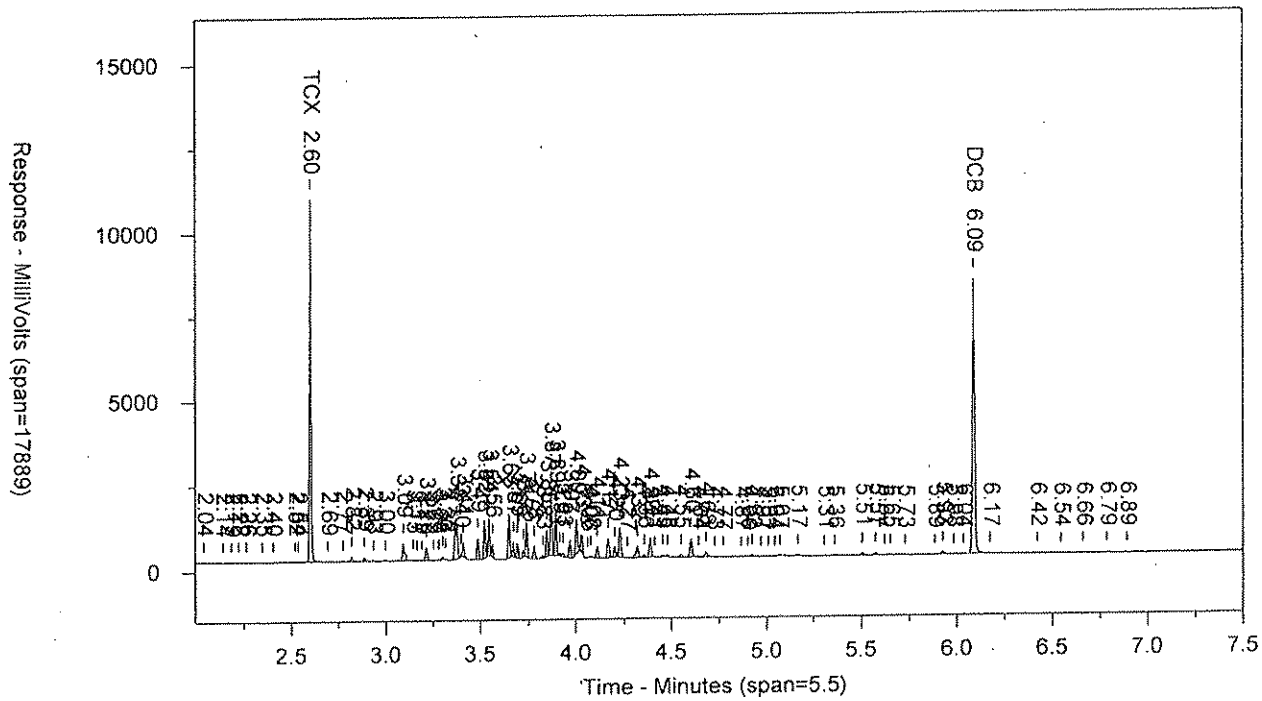
Files:
Area File: 25pcbs16207001.0030.RAW
Area File: 25pcbs16207001B.0030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:36:58 PM
File Reported On: 7/25/2016 at 10:37:03 PM

IC48X1624A AAIC48XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0030.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0030.RAW



LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
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: 25pcbs16207001.0031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.092 | | 7558 | 17749 |
| 2.153 | | 3829 | 6546 |
| 2.223 | | 15239 | 14258 |
| 2.315 | | 19175 | 12224 |
| 2.334 | | 4134 | 2217 |
| 2.378 | | 1233 | 814 |
| 2.418 | | 16185 | 15741 |
| 2.494 | | 871 | 844 |
| 2.574 | | 2100 | 2424 |
| 2.619 | | 1323 | 941 |
| 2.671 | | 6335 | 6844 |
| 2.728 | | 1766 | 1570 |
| 2.779 | | 4198 | 3805 |
| 2.821 | | 18579 | 18610 |
| 2.879 | | 730 | 605 |
| 2.932 | TCX | 2795166 | 1892550 |
| 3.008 | | 1919 | 2654 |
| 3.067 | | 6861 | 4994 |
| 3.135 | | 42143 | 29157 |
| 3.192 | | 25750 | 28869 |
| 3.268 | | 7379 | 4808 |
| 3.374 | | 2988 | 4132 |
| 3.413 | | 18919 | 11444 |
| 3.431 | | 14204 | 10494 |
| 3.467 | | 1219 | 573 |
| 3.484 | | 3691 | 2283 |
| 3.531 | | 38263 | 33925 |
| 3.588 | | 4620 | 3802 |
| 3.608 | | 9587 | 6149 |
| 3.645 | | 7510 | 8130 |
| 3.717 | | 35356 | 60264 |
| 3.754 | | 45355 | 34859 |
| 3.782 | | 6823 | 5574 |
| 3.811 | | 23105 | 17307 |
| 3.851 | | 16086 | 14770 |
| 3.878 | | 492109 | 373805 |
| 3.905 | | 147249 | 133600 |
| 4.005 | | 324923 | 250653 |
| 4.029 | | 23499 | 14407 |
| 4.059 | | 45291 | 32528 |
| 4.095 | | 148227 | 139747 |
| 4.136 | | 40766 | 33814 |
| 4.179 | | 19463 | 27279 |
| 4.218 | | 44971 | 40145 |
| 4.255 | | 749856 | 536171 |
| 4.276 | | 292633 | 183927 |
| 4.301 | | 231619 | 172269 |
| 4.367 | | 220520 | 193933 |
| 4.41 | | 1017516 | 1046801 |
| 4.445 | | 373511 | 313149 |
| 4.486 | | 15353 | 10343 |
| 4.508 | | 91383 | 78265 |
| 4.551 | | 384779 | 346161 |
| 4.603 | | 693802 | 635867 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.635 | | 172022 | 115135 |
| 4.665 | | 1360826 | 1174134 |
| 4.71 | | 110139 | 148080 |
| 4.749 | | 212565 | 175164 |
| 4.787 | | 421369 | 449005 |
| 4.839 | | 91683 | 82377 |
| 4.879 | | 833790 | 851600 |
| 4.935 | | 96884 | 81701 |
| 4.961 | | 19466 | 11246 |
| 4.988 | | 295024 | 231710 |
| 5.006 | | 170807 | 110707 |
| 5.037 | | 12433 | 8578 |
| 5.081 | | 688822 | 684661 |
| 5.123 | | 85861 | 70122 |
| 5.151 | | 90881 | 129761 |
| 5.197 | | 915478 | 1374729 |
| 5.301 | | 44418 | 53441 |
| 5.407 | | 332070 | 480519 |
| 5.482 | | 47357 | 43190 |
| 5.522 | | 49844 | 51469 |
| 5.561 | | 8789 | 6825 |
| 5.606 | | 176975 | 171744 |
| 5.631 | | 23790 | 15334 |
| 5.662 | | 155733 | 171023 |
| 5.834 | | 4985 | 6115 |
| 5.87 | | 139442 | 136058 |
| 5.901 | | 22438 | 22884 |
| 6.055 | | 24467 | 26857 |
| 6.12 | | 45881 | 62766 |
| 6.228 | | 1692 | 2782 |
| 6.301 | | 9162 | 10019 |
| 6.389 | | 5133 | 7771 |
| 6.502 | | 21116 | 23103 |
| 6.65 | DCB | 1341260 | 1553881 |
| 6.893 | | 3360 | 5890 |

LANCASTER LABORATORIES

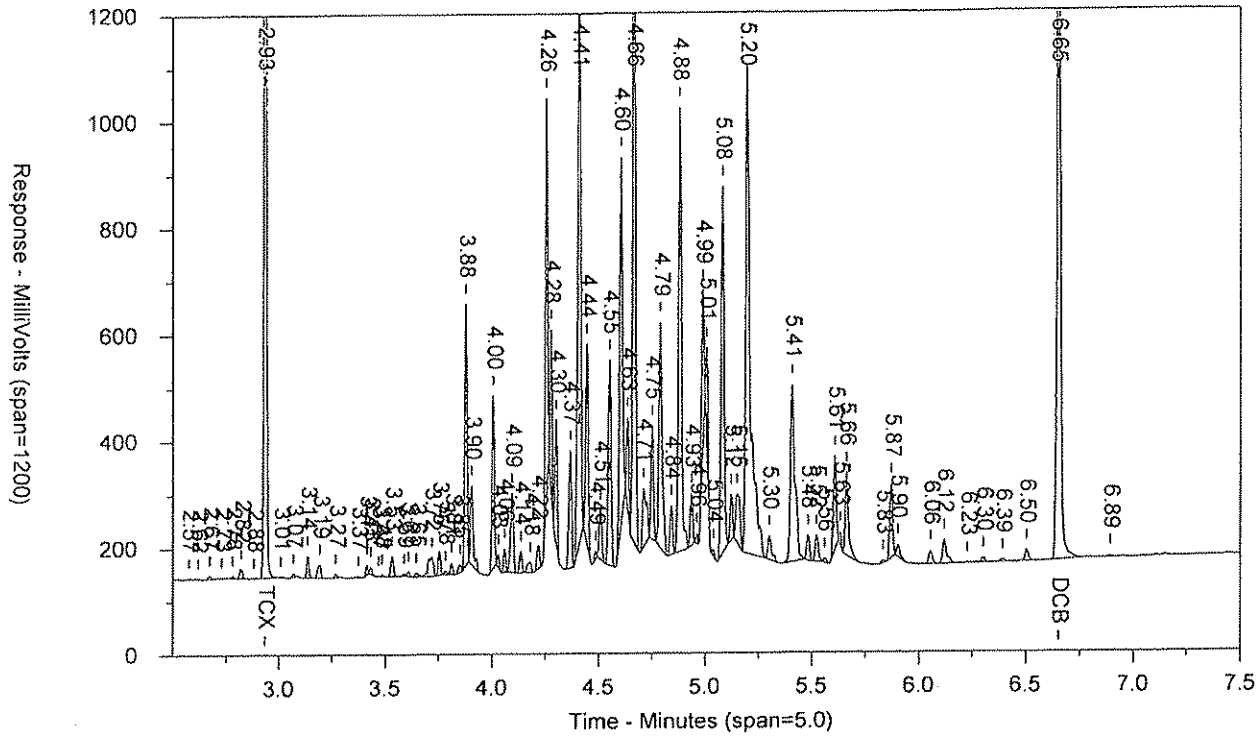
Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207001B.0031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.044 | | 7270 | 5256 |
| 2.101 | | 1590 | 1252 |
| 2.145 | | 2604 | 2170 |
| 2.184 | | 13256 | 11243 |
| 2.224 | | 1894 | 2573 |
| 2.344 | | 2677 | 3072 |
| 2.376 | | 3274 | 2856 |
| 2.401 | | 2350 | 2857 |
| 2.44 | | 3487 | 3268 |
| 2.486 | | 1486 | 1159 |
| 2.52 | | 11202 | 7426 |
| 2.536 | | 4349 | 2104 |
| 2.602 | TCX | 5098537 | 2987481 |
| 2.692 | | 4652 | 3148 |
| 2.773 | | 8726 | 6320 |
| 2.818 | | 57226 | 29537 |
| 2.836 | | 13216 | 8430 |
| 2.886 | | 20521 | 12878 |
| 2.934 | | 10989 | 6653 |
| 2.998 | | 2639 | 2075 |
| 3.027 | | 2036 | 1372 |
| 3.094 | | 35385 | 31199 |
| 3.126 | | 11481 | 10030 |
| 3.167 | | 6014 | 4141 |
| 3.194 | | 1829 | 899 |
| 3.217 | | 31755 | 20577 |
| 3.254 | | 16181 | 10214 |
| 3.281 | | 7895 | 3895 |
| 3.301 | | 8457 | 4147 |
| 3.318 | | 13701 | 7575 |
| 3.367 | | 54933 | 57453 |
| 3.398 | | 20196 | 10454 |
| 3.411 | | 44072 | 28244 |
| 3.487 | | 42436 | 26876 |
| 3.522 | | 1050689 | 638249 |
| 3.546 | | 332242 | 185337 |
| 3.564 | | 36463 | 17114 |
| 3.65 | | 572905 | 360930 |
| 3.674 | | 51715 | 26767 |
| 3.695 | | 73154 | 46514 |
| 3.724 | | 42917 | 20544 |
| 3.741 | | 251347 | 148404 |
| 3.781 | | 65038 | 47112 |
| 3.82 | | 50109 | 39861 |
| 3.85 | | 228926 | 127030 |
| 3.871 | | 2427386 | 1543131 |
| 3.896 | | 267013 | 147815 |
| 3.916 | | 208079 | 115164 |
| 3.935 | | 402280 | 251161 |
| 3.971 | | 2098571 | 1415579 |
| 4.002 | | 870851 | 510380 |
| 4.019 | | 543290 | 275938 |
| 4.079 | | 165760 | 114879 |
| 4.113 | | 809222 | 579881 |

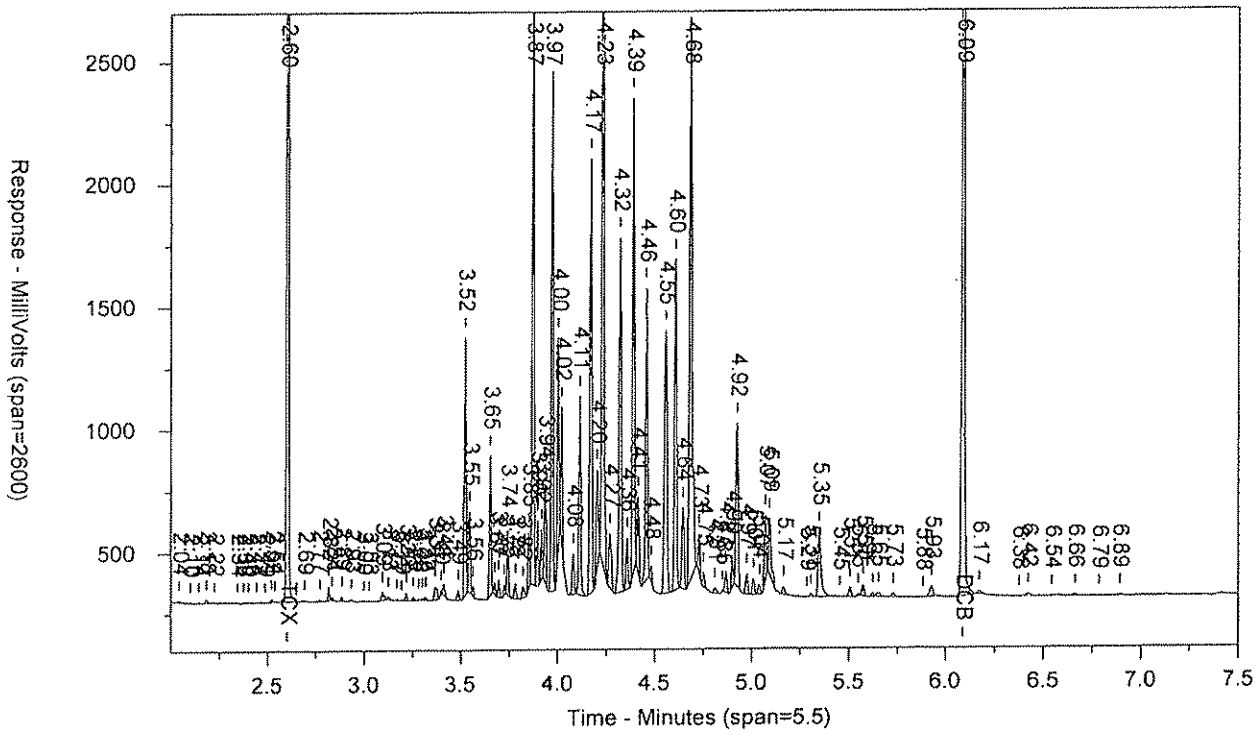
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.17 | | 1772200 | 1238737 |
| 4.203 | | 410331 | 302125 |
| 4.23 | | 3078285 | 2155498 |
| 4.268 | | 222250 | 203970 |
| 4.32 | | 1447731 | 1165239 |
| 4.357 | | 212176 | 150924 |
| 4.388 | | 1940167 | 1332032 |
| 4.413 | | 303685 | 194154 |
| 4.455 | | 1189211 | 828501 |
| 4.48 | | 61803 | 35837 |
| 4.553 | | 1071066 | 1011163 |
| 4.604 | | 1350226 | 1051837 |
| 4.644 | | 331994 | 278131 |
| 4.683 | | 2301426 | 2046698 |
| 4.729 | | 157703 | 96820 |
| 4.752 | | 61055 | 44724 |
| 4.811 | | 22734 | 22923 |
| 4.85 | | 6148 | 3096 |
| 4.868 | | 87970 | 64439 |
| 4.901 | | 110088 | 72574 |
| 4.924 | | 665094 | 505751 |
| 4.975 | | 85233 | 66780 |
| 5.009 | | 67834 | 52776 |
| 5.041 | | 40763 | 32727 |
| 5.071 | | 263664 | 194842 |
| 5.093 | | 226993 | 191724 |
| 5.166 | | 33766 | 30769 |
| 5.286 | | 1116 | 711 |
| 5.307 | | 11112 | 8902 |
| 5.349 | | 266007 | 300645 |
| 5.454 | | 1484 | 915 |
| 5.507 | | 41041 | 34505 |
| 5.55 | | 9743 | 6574 |
| 5.574 | | 47049 | 37092 |
| 5.622 | | 13938 | 10734 |
| 5.652 | | 15286 | 20194 |
| 5.729 | | 16059 | 16699 |
| 5.884 | | 1429 | 1100 |
| 5.928 | | 45132 | 48554 |
| 6.088 | DCB | 3757062 | 3296302 |
| 6.174 | | 13741 | 17410 |
| 6.378 | | 1109 | 862 |
| 6.422 | | 11562 | 17121 |
| 6.544 | | 3222 | 2855 |
| 6.662 | | 7909 | 9363 |
| 6.786 | | 3858 | 3608 |
| 6.892 | | 6598 | 11375 |

IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0031.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0031.RAW



LANCASTER LABORATORIES

Sample Number: IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082
Injected On: 7/25/2016 10:40:16 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

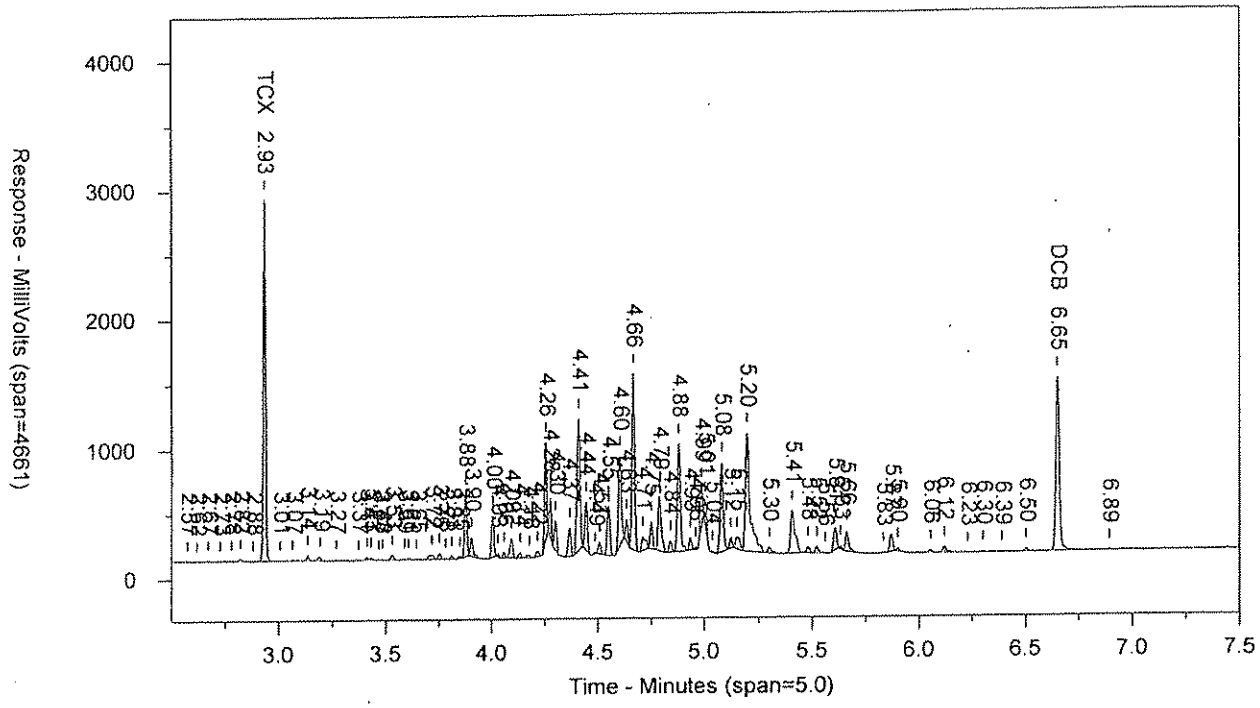
Analyst: 2855

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.932 | 2795166 | 20.66 | TCX | 2.602 | 5098537 | 20.758 | TCX |
| 6.65 | 1341260 | 20.066 | DCB | 6.088 | 3757062 | 19.749 | DCB |

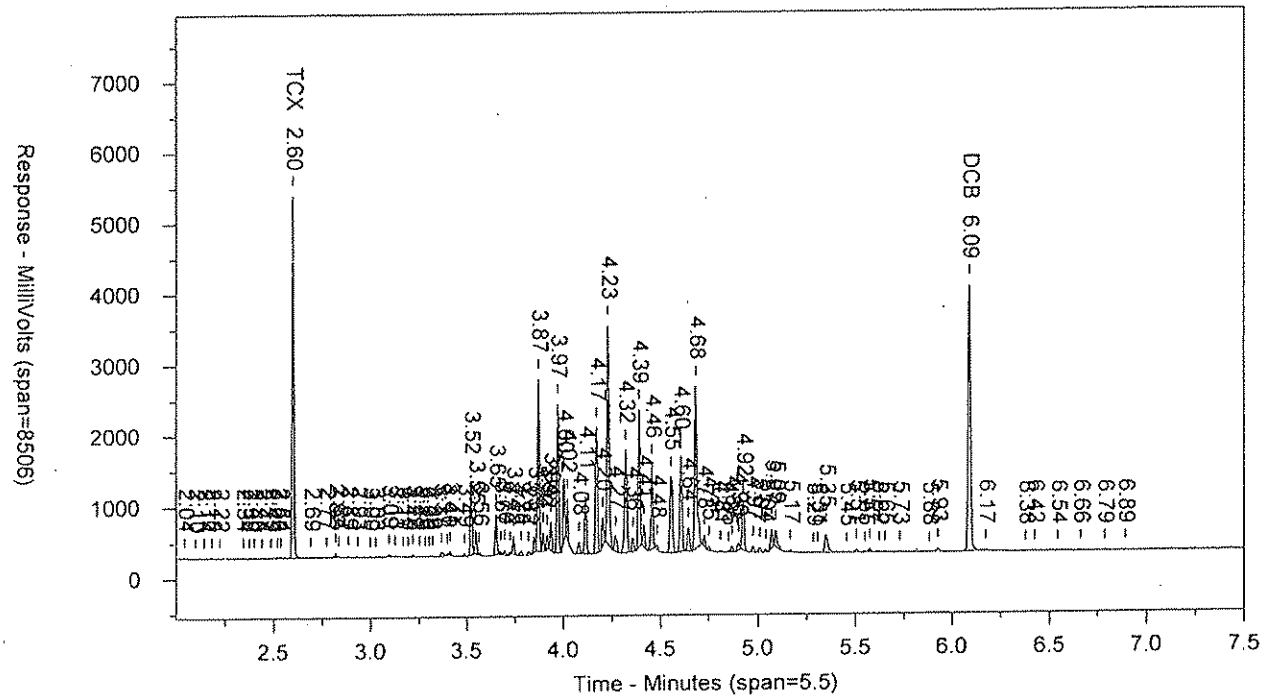
Files:
Area File: 25pcbs16207001.0031.RAW
Area File: 25pcbs16207001B.0031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 7/25/2016 10:48:46 PM
File Reported On: 7/25/2016 at 10:48:53 PM

IC54X1624A AAIC54XAA CCAL 1620699999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001.0031.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207001B.0031.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B CNAR163CN CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:08:41 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: 25pcbs16207035.0005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.029 | | 2043 | 4817 |
| 2.087 | | 13918 | 30946 |
| 2.217 | | 28537 | 21582 |
| 2.309 | | 12218 | 7581 |
| 2.329 | | 10126 | 6363 |
| 2.374 | | 3123 | 3062 |
| 2.41 | | 6332 | 5823 |
| 2.491 | | 2148 | 2127 |
| 2.567 | | 7932 | 6933 |
| 2.658 | | 903 | 973 |
| 2.719 | | 1024 | 1781 |
| 2.774 | | 8213 | 7730 |
| 2.811 | | 4968 | 3926 |
| 2.847 | | 2080 | 2976 |
| 2.926 | TCX | 5679767 | 3744865 |
| 3.08 | | 85683 | 71935 |
| 3.138 | | 111783 | 124176 |
| 3.186 | | 455571 | 326291 |
| 3.26 | | 12495 | 7212 |
| 3.28 | | 62202 | 41577 |
| 3.32 | | 1519 | 1226 |
| 3.403 | | 461853 | 282709 |
| 3.42 | | 225657 | 119726 |
| 3.457 | | 62528 | 36078 |
| 3.473 | | 18085 | 8075 |
| 3.49 | | 41570 | 23867 |
| 3.52 | | 550979 | 424636 |
| 3.556 | | 3233 | 1811 |
| 3.572 | | 3533 | 2121 |
| 3.595 | | 22882 | 15470 |
| 3.631 | | 127734 | 75262 |
| 3.646 | | 64720 | 31987 |
| 3.703 | | 1062481 | 1305942 |
| 3.739 | | 643043 | 495549 |
| 3.798 | | 534505 | 429572 |
| 3.837 | | 53443 | 37330 |
| 3.865 | | 380744 | 282841 |
| 3.893 | | 276465 | 240124 |
| 3.915 | | 88483 | 50597 |
| 3.99 | | 425125 | 305844 |
| 4.015 | | 148508 | 99543 |
| 4.046 | | 176926 | 127642 |
| 4.082 | | 405606 | 437112 |
| 4.122 | | 146635 | 118615 |
| 4.167 | | 20616 | 16493 |
| 4.207 | | 34308 | 29883 |
| 4.24 | | 405488 | 312926 |
| 4.262 | | 105982 | 65917 |
| 4.285 | | 121545 | 89633 |
| 4.353 | | 70098 | 59568 |
| 4.396 | | 417432 | 391640 |
| 4.429 | | 10256 | 6446 |
| 4.492 | | 8000 | 7407 |
| 4.535 | | 46940 | 46513 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.59 | | 37998 | 25545 |
| 4.604 | | 99175 | 69086 |
| 4.651 | | 265951 | 243864 |
| 4.695 | | 398037 | 454692 |
| 4.734 | | 105655 | 75504 |
| 4.773 | | 859141 | 824339 |
| 4.865 | | 134875 | 153370 |
| 4.895 | | 14432 | 9343 |
| 4.921 | | 160129 | 150152 |
| 4.973 | | 921620 | 1230708 |
| 5.023 | | 200223 | 182716 |
| 5.068 | | 490519 | 566899 |
| 5.109 | | 6524 | 3328 |
| 5.146 | | 106215 | 133941 |
| 5.182 | | 1108992 | 1277302 |
| 5.245 | | 551471 | 528608 |
| 5.288 | | 370602 | 390370 |
| 5.409 | | 694780 | 1028699 |
| 5.468 | | 338178 | 327584 |
| 5.508 | | 187570 | 166486 |
| 5.549 | | 57880 | 54119 |
| 5.593 | | 228692 | 247168 |
| 5.649 | | 1515410 | 1778573 |
| 5.855 | | 823518 | 914292 |
| 5.894 | | 67131 | 64837 |
| 5.907 | | 76807 | 58614 |
| 6.041 | | 65693 | 66535 |
| 6.106 | | 49992 | 38959 |
| 6.129 | | 162602 | 149746 |
| 6.287 | | 397730 | 430515 |
| 6.332 | | 25824 | 23107 |
| 6.488 | | 145194 | 165428 |
| 6.635 | DCB | 2873781 | 3144597 |
| 6.948 | | 1062 | 1926 |

LANCASTER LABORATORIES

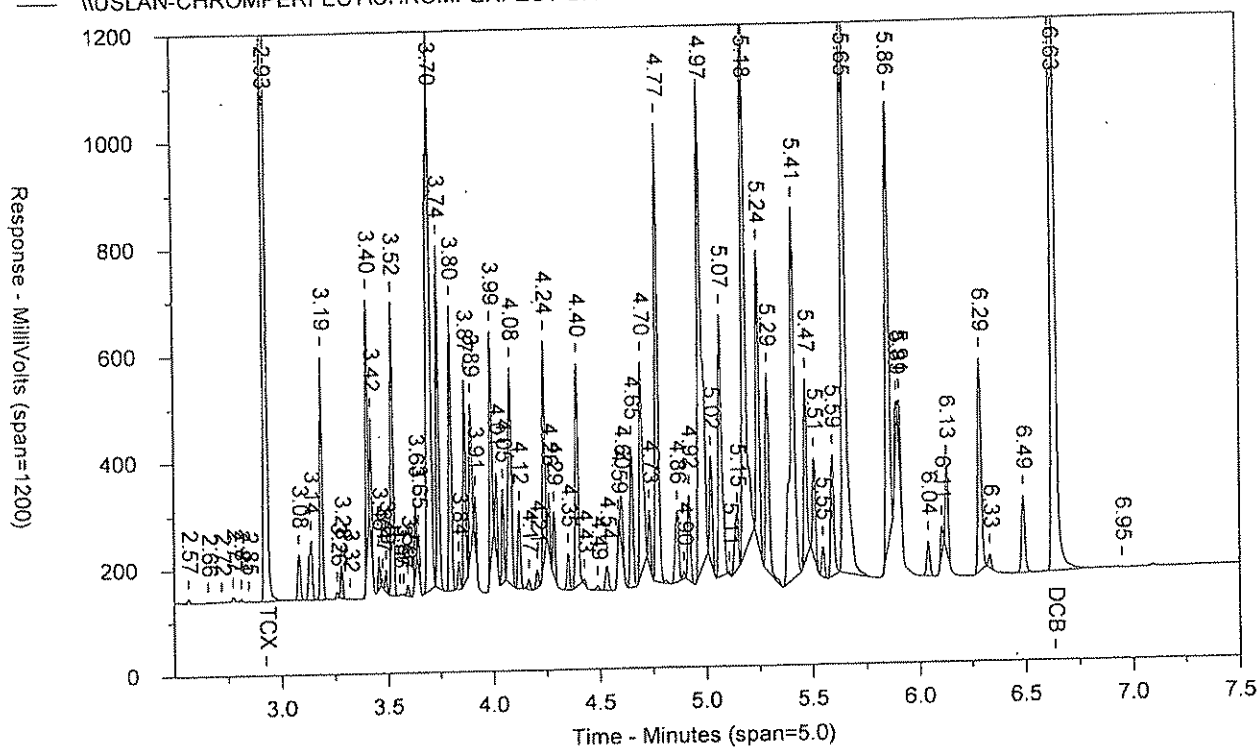
Sample Number: AR1631624B CNAR163CN CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:08:41 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.043 | | 15135 | 11696 |
| 2.193 | | 1391 | 1895 |
| 2.221 | | 4356 | 4807 |
| 2.287 | | 9584 | 5982 |
| 2.347 | | 3132 | 2412 |
| 2.399 | | 1808 | 1452 |
| 2.514 | | 2852 | 2728 |
| 2.534 | | 11776 | 7360 |
| 2.6 | TCX | 10534330 | 6071508 |
| 2.644 | | 61682 | 41533 |
| 2.771 | | 161603 | 101104 |
| 2.816 | | 101320 | 47030 |
| 2.831 | | 155533 | 77397 |
| 2.883 | | 857997 | 500618 |
| 2.932 | | 22600 | 12633 |
| 2.994 | | 109851 | 65878 |
| 3.09 | | 1092705 | 1017425 |
| 3.141 | | 128841 | 75900 |
| 3.163 | | 57046 | 31301 |
| 3.188 | | 88426 | 47643 |
| 3.212 | | 1071108 | 679471 |
| 3.249 | | 38041 | 21756 |
| 3.276 | | 4195 | 1671 |
| 3.295 | | 282723 | 142981 |
| 3.311 | | 162501 | 79521 |
| 3.361 | | 685295 | 292118 |
| 3.371 | | 1215533 | 508448 |
| 3.404 | | 1151984 | 853520 |
| 3.479 | | 1148547 | 708409 |
| 3.514 | | 826632 | 497944 |
| 3.538 | | 895251 | 492793 |
| 3.556 | | 293368 | 147872 |
| 3.642 | | 980170 | 620262 |
| 3.664 | | 386805 | 209385 |
| 3.685 | | 366535 | 208061 |
| 3.714 | | 244690 | 127306 |
| 3.731 | | 863503 | 500944 |
| 3.772 | | 307411 | 205769 |
| 3.818 | | 41085 | 35058 |
| 3.84 | | 218975 | 130021 |
| 3.862 | | 1130164 | 711820 |
| 3.887 | | 233575 | 135883 |
| 3.906 | | 35980 | 17568 |
| 3.926 | | 147310 | 90107 |
| 3.961 | | 897413 | 589657 |
| 3.994 | | 41247 | 23134 |
| 4.009 | | 71042 | 41585 |
| 4.055 | | 2521 | 1224 |
| 4.069 | | 6229 | 3794 |
| 4.103 | | 64791 | 62660 |
| 4.136 | | 4236 | 2108 |
| 4.159 | | 234376 | 160075 |
| 4.202 | | 257262 | 149993 |
| 4.219 | | 253386 | 120107 |

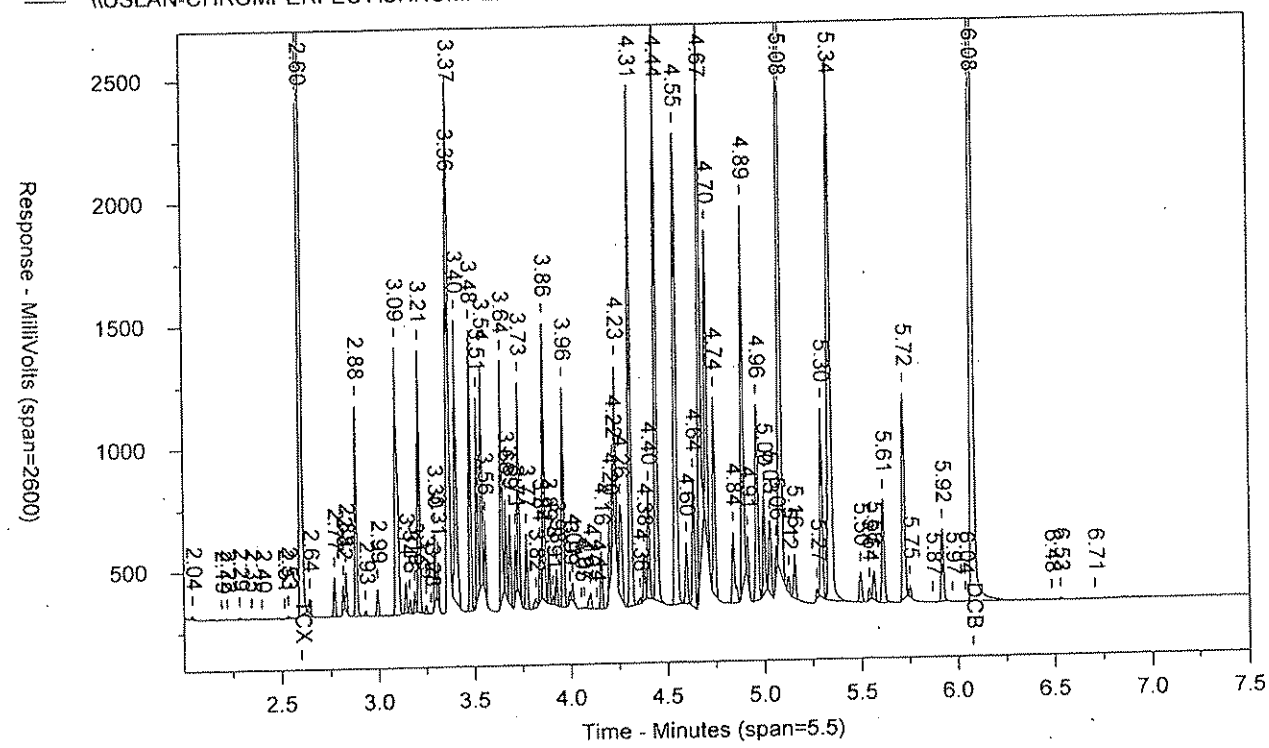
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.233 | | 695066 | 369410 |
| 4.258 | | 377014 | 369201 |
| 4.31 | | 2122790 | 1515191 |
| 4.357 | | 24752 | 21088 |
| 4.379 | | 196785 | 121881 |
| 4.403 | | 439159 | 315766 |
| 4.445 | | 2415774 | 1753488 |
| 4.546 | | 1926594 | 1805270 |
| 4.599 | | 249830 | 194943 |
| 4.636 | | 527765 | 425057 |
| 4.672 | | 2315696 | 1875329 |
| 4.705 | | 1267235 | 865038 |
| 4.742 | | 807071 | 613442 |
| 4.84 | | 288585 | 273940 |
| 4.891 | | 1544653 | 1197925 |
| 4.914 | | 180386 | 113042 |
| 4.964 | | 799701 | 708872 |
| 4.999 | | 415544 | 311372 |
| 5.029 | | 298197 | 246954 |
| 5.061 | | 112419 | 64900 |
| 5.083 | | 3555462 | 2911576 |
| 5.124 | | 66686 | 47298 |
| 5.156 | | 180476 | 139621 |
| 5.274 | | 40282 | 24705 |
| 5.297 | | 772881 | 590747 |
| 5.341 | | 2220868 | 2440220 |
| 5.497 | | 122697 | 101652 |
| 5.541 | | 47966 | 34188 |
| 5.564 | | 116997 | 84687 |
| 5.613 | | 421754 | 363311 |
| 5.72 | | 839707 | 746187 |
| 5.751 | | 46561 | 31839 |
| 5.868 | | 1960 | 1722 |
| 5.919 | | 293429 | 244460 |
| 5.971 | | 1696 | 1405 |
| 6.039 | | 1475 | 1160 |
| 6.078 | DCB | 7793764 | 6751146 |
| 6.484 | | 1331 | 2156 |
| 6.53 | | 7230 | 8358 |
| 6.706 | | 1418 | 1808 |

AR1631624B CNAR163CN CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0005.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0005.RAW






Printed on 9/15/2016 10:17:22 AM

LANCASTER LABORATORIES

Sample Number: AR1631624B CNAR163CN CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:08:41 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

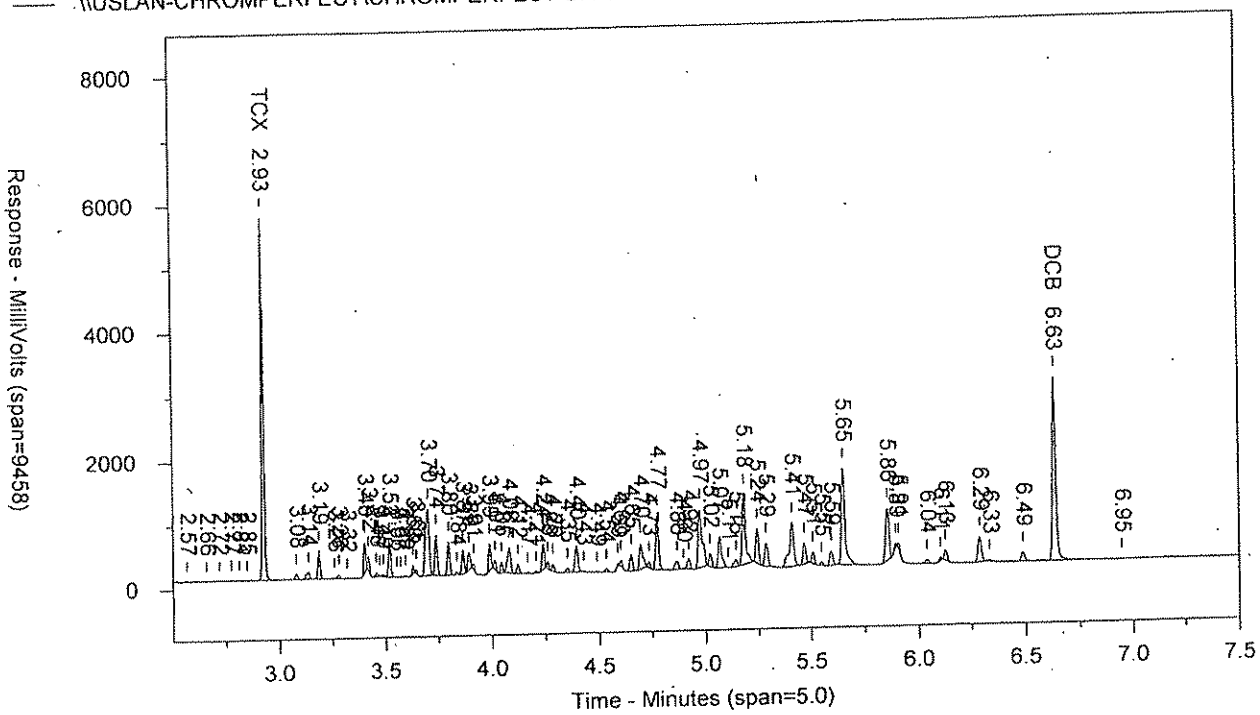
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.926 | 5679767 | 41.981 | TCX | 2.6 | 10534330 | 42.89 | TCX |
| 6.635 | 2873781 | 42.993 | DCB | 6.078 | 7793764 | 40.969 | DCB |

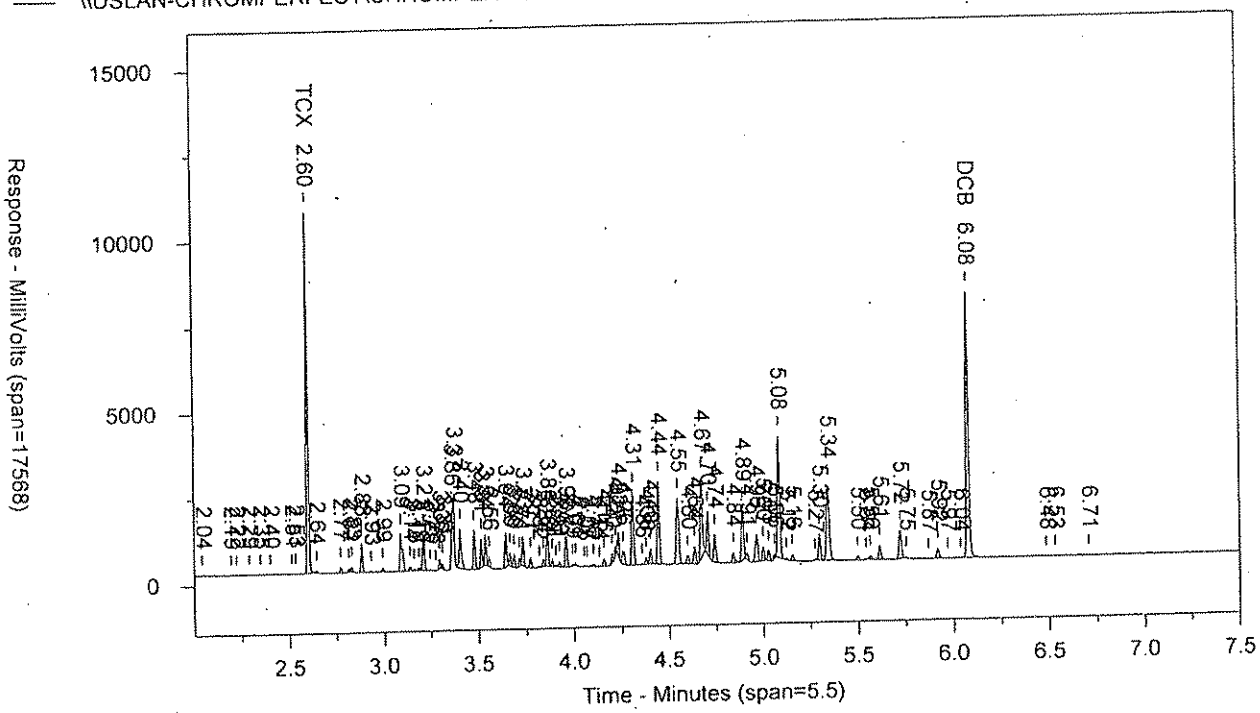
Files:
Area File: 25pcbs16207035.0005.RAW
Area File: 25pcbs16207035B.0005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 10:17:11 AM
File Reported On: 9/15/2016 at 10:17:21 AM

AR1631624B CNAR163CN CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0005.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0005.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624B LYPIBLKLY PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:19:42 AM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP25-18274
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: 25pcbs16207035.0006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.034 | | 976 | 2024 |
| 2.087 | | 14523 | 31601 |
| 2.216 | | 16472 | 12405 |
| 2.308 | | 6249 | 3797 |
| 2.328 | | 5680 | 3519 |
| 2.373 | | 2957 | 2784 |
| 2.408 | | 9152 | 7970 |
| 2.488 | | 2290 | 3027 |
| 2.568 | | 982 | 1315 |
| 2.661 | | 1284 | 1082 |
| 2.774 | | 21063 | 18385 |
| 2.811 | | 7759 | 6111 |
| 2.85 | | 912 | 1093 |
| 2.925 | TCX | 3114870 | 2068657 |
| 3.057 | | 1119 | 746 |
| 3.126 | | 44259 | 30127 |
| 3.173 | | 6985 | 6785 |
| 3.257 | | 8324 | 6788 |
| 3.325 | | 542 | 367 |
| 3.419 | | 1401 | 2116 |
| 3.512 | | 5614 | 5327 |
| 3.572 | | 2008 | 2849 |
| 3.671 | | 880 | 480 |
| 3.74 | | 1464 | 1117 |
| 3.827 | | 5445 | 5320 |
| 4.038 | | 629 | 578 |
| 4.112 | | 1255 | 1321 |
| 4.15 | | 5089 | 5291 |
| 4.203 | | 14639 | 17778 |
| 4.309 | | 2249 | 1890 |
| 4.404 | | 1470 | 2387 |
| 4.485 | | 5615 | 6882 |
| 4.529 | | 772 | 554 |
| 4.587 | | 1471 | 1696 |
| 4.831 | | 4951 | 7302 |
| 4.893 | | 7182 | 6585 |
| 5.133 | | 10415 | 9899 |
| 5.182 | | 4859 | 6415 |
| 5.511 | | 3215 | 3452 |
| 5.546 | | 8933 | 8171 |
| 5.611 | | 874 | 855 |
| 5.665 | | 18575 | 19669 |
| 5.82 | | 2943 | 4162 |
| 5.854 | | 814 | 651 |
| 6.038 | | 26444 | 27163 |
| 6.103 | | 33274 | 42675 |
| 6.374 | | 1794 | 3351 |
| 6.484 | | 20991 | 24044 |
| 6.63 | DCB | 1522834 | 1803100 |
| 6.867 | | 836 | 845 |

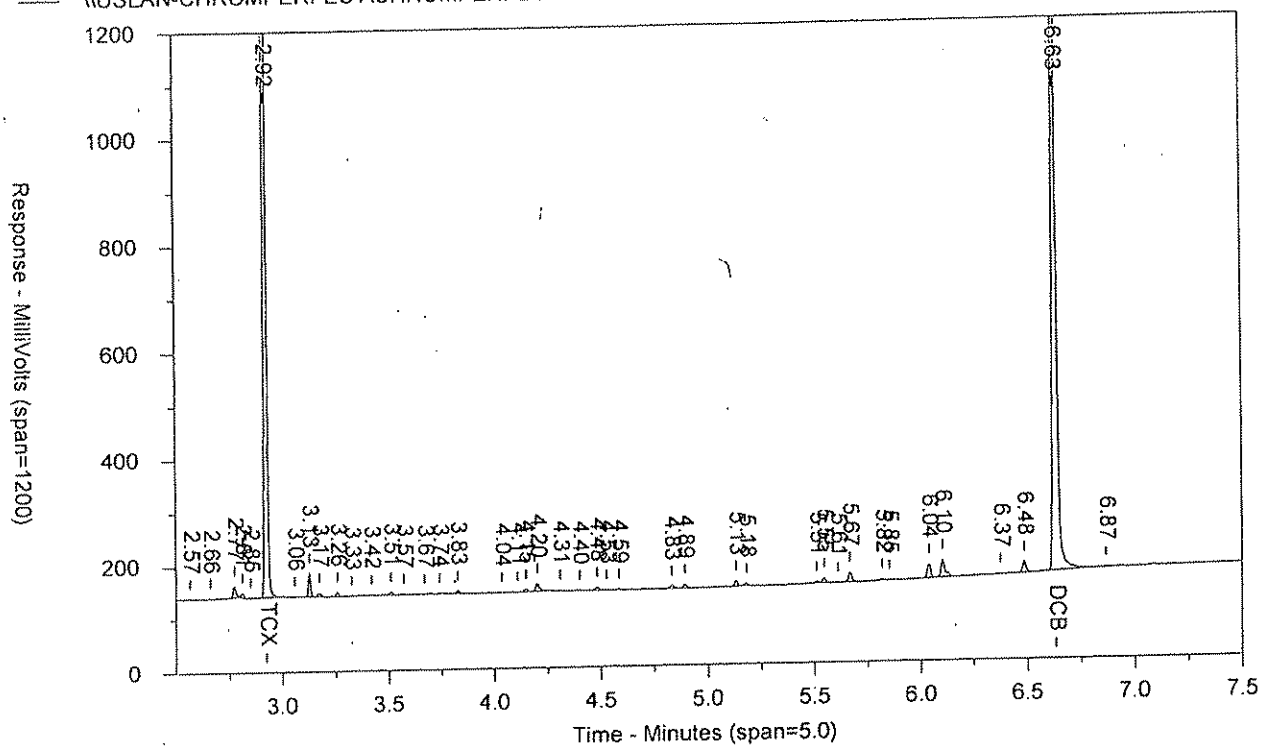
LANCASTER LABORATORIES

Sample Number: IBLKX1624B LYPIBLKLY PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:19:42 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: 25pcbs16207035B.0006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

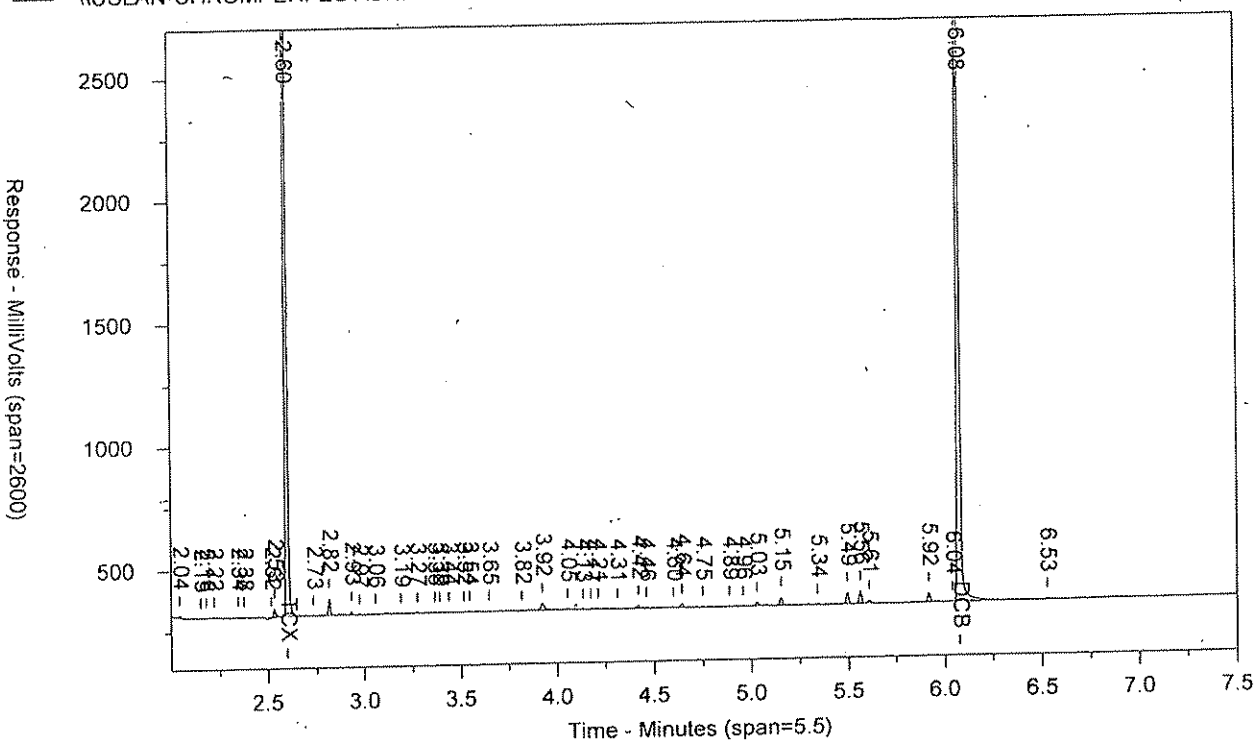
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.043 | | 8013 | 6465 |
| 2.151 | | 952 | 942 |
| 2.179 | | 3034 | 2599 |
| 2.22 | | 4326 | 6111 |
| 2.345 | | 2845 | 2676 |
| 2.375 | | 1233 | 1002 |
| 2.517 | | 6309 | 8547 |
| 2.534 | | 35479 | 27540 |
| 2.6 | TCX | 5761294 | 3330362 |
| 2.734 | | 1054 | 609 |
| 2.816 | | 67397 | 40725 |
| 2.932 | | 13151 | 7495 |
| 2.973 | | 1073 | 1152 |
| 3.056 | | 984 | 945 |
| 3.188 | | 1872 | 4695 |
| 3.274 | | 2939 | 1900 |
| 3.364 | | 3639 | 3415 |
| 3.388 | | 2354 | 2666 |
| 3.437 | | 1434 | 1229 |
| 3.515 | | 1071 | 958 |
| 3.542 | | 2111 | 1974 |
| 3.646 | | 3793 | 4709 |
| 3.816 | | 1687 | 2267 |
| 3.922 | | 29209 | 42637 |
| 4.053 | | 5224 | 5110 |
| 4.134 | | 2830 | 2928 |
| 4.175 | | 2851 | 2316 |
| 4.212 | | 2056 | 2586 |
| 4.311 | | 1226 | 760 |
| 4.417 | | 11686 | 9133 |
| 4.459 | | 2939 | 4051 |
| 4.597 | | 1213 | 977 |
| 4.642 | | 15596 | 11928 |
| 4.749 | | 2553 | 3595 |
| 4.889 | | 1289 | 1090 |
| 4.957 | | 1421 | 1604 |
| 5.031 | | 14208 | 12606 |
| 5.153 | | 32353 | 29878 |
| 5.342 | | 2504 | 5181 |
| 5.494 | | 47387 | 40922 |
| 5.562 | | 51175 | 44250 |
| 5.611 | | 12785 | 12511 |
| 5.917 | | 38486 | 36950 |
| 6.04 | | 975 | 923 |
| 6.076 | DCB | 4168110 | 3684993 |
| 6.526 | | 3888 | 4125 |

IBLKX1624B LYPIBLKLY PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0006.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0006.RAW






Printed on 9/15/2016 10:28:22 AM

LANCASTER LABORATORIES

Sample Number: IBLKX1624B LYPIBLKLY PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 10:19:42 AM
Sample Weight: 1000
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

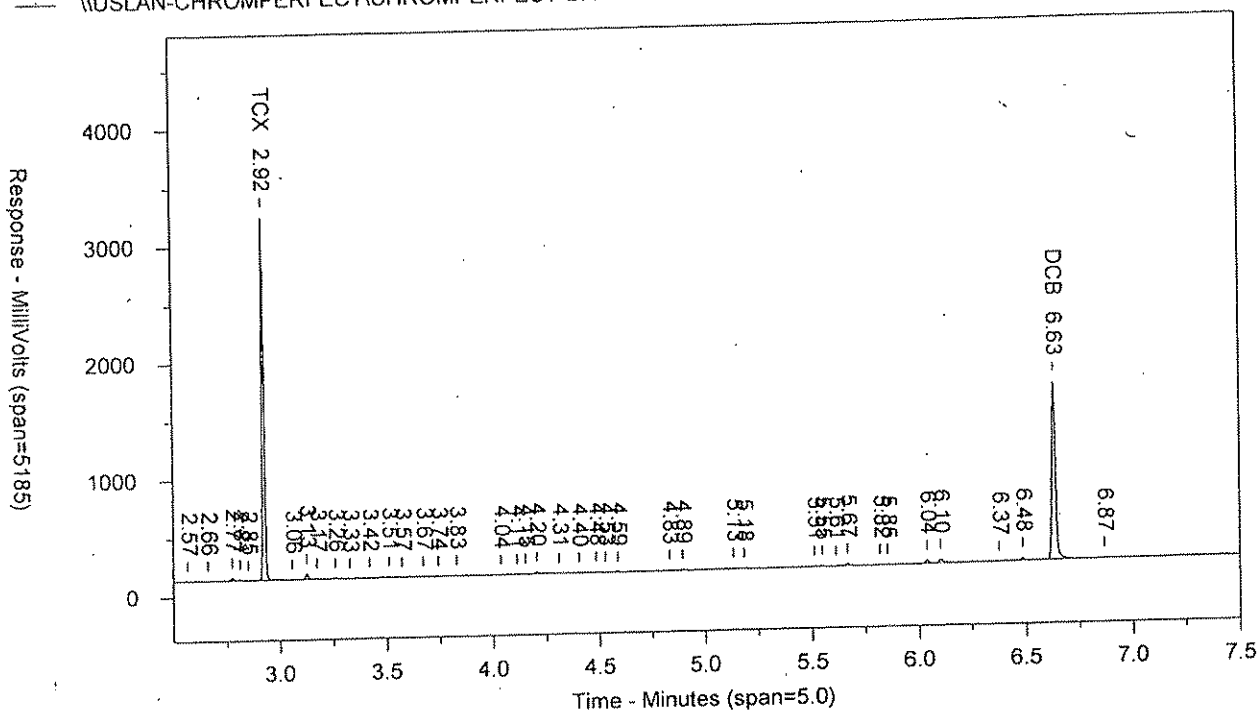
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 3114870 | .23 | TCX | 2.6 | 5761294 | .235 | TCX |
| 6.63 | 1522834 | .228 | DCB | 6.076 | 4168110 | .219 | DCB |

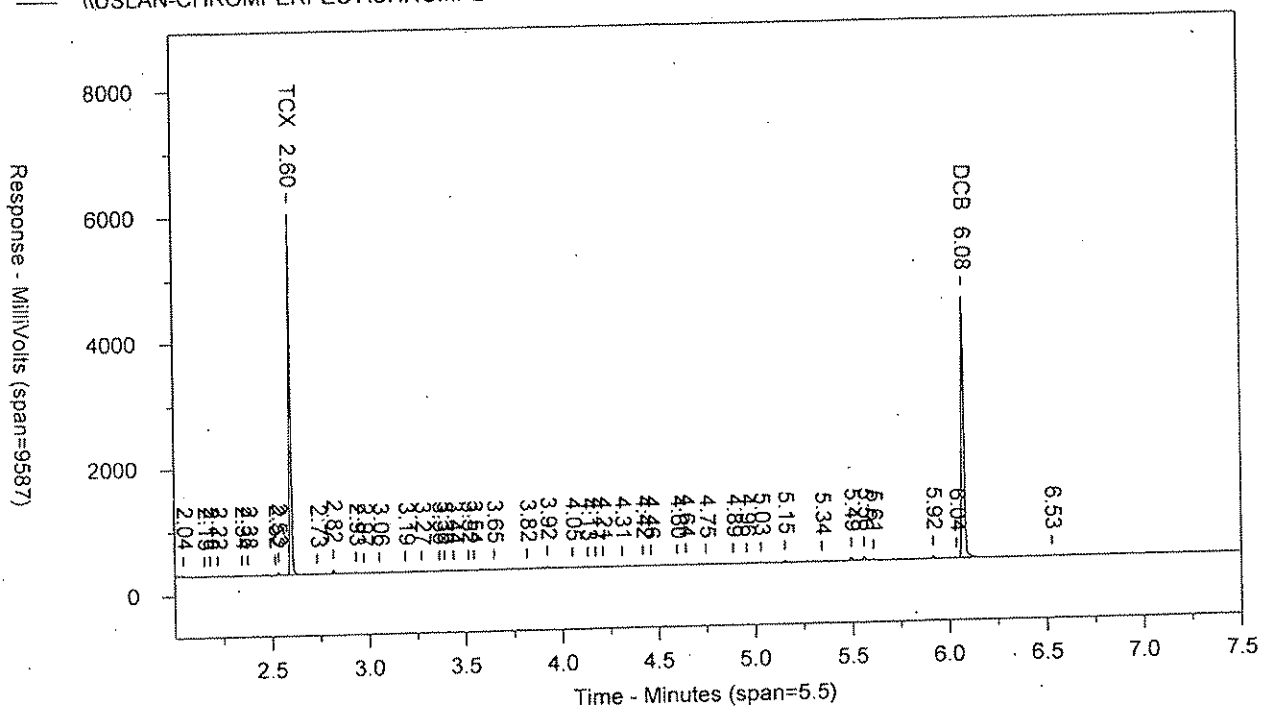
Files:
Area File: 25pcbs16207035.0006.RAW
Area File: 25pcbs16207035B.0006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 10:28:14 AM
File Reported On: 9/15/2016 at 10:28:21 AM

IBLKX1624B LYPIBLKLY PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0006.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0006.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B COAR163CO CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:17:15 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: 25pcbs16207035.0027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.026 | | 1486 | 2814 |
| 2.087 | | 10253 | 15908 |
| 2.216 | | 28614 | 21770 |
| 2.308 | | 5404 | 3198 |
| 2.328 | | 10497 | 6873 |
| 2.373 | | 3310 | 3244 |
| 2.408 | | 3888 | 3683 |
| 2.49 | | 2464 | 2808 |
| 2.565 | | 7592 | 5798 |
| 2.66 | | 936 | 1053 |
| 2.718 | | 676 | 1383 |
| 2.773 | | 3379 | 3097 |
| 2.81 | | 3188 | 2625 |
| 2.845 | | 2038 | 1551 |
| 2.925 | TCX | 5600531 | 3796383 |
| 3.079 | | 89316 | 74372 |
| 3.127 | | 17422 | 10626 |
| 3.137 | | 59159 | 29672 |
| 3.186 | | 459771 | 327773 |
| 3.258 | | 12173 | 7089 |
| 3.279 | | 61827 | 41690 |
| 3.32 | | 1955 | 1767 |
| 3.402 | | 466113 | 282080 |
| 3.419 | | 222197 | 120130 |
| 3.457 | | 60189 | 35454 |
| 3.473 | | 19480 | 8821 |
| 3.49 | | 42799 | 23529 |
| 3.52 | | 566291 | 420486 |
| 3.555 | | 3008 | 1750 |
| 3.574 | | 5992 | 3607 |
| 3.594 | | 23435 | 15317 |
| 3.631 | | 125108 | 72576 |
| 3.646 | | 63198 | 31515 |
| 3.703 | | 1075010 | 1279297 |
| 3.739 | | 649585 | 487218 |
| 3.798 | | 548567 | 421387 |
| 3.837 | | 49977 | 34854 |
| 3.864 | | 372449 | 277053 |
| 3.892 | | 271643 | 236476 |
| 3.914 | | 86973 | 46583 |
| 3.99 | | 404639 | 299764 |
| 4.014 | | 143894 | 93784 |
| 4.044 | | 173669 | 124860 |
| 4.081 | | 398175 | 426839 |
| 4.121 | | 140039 | 116231 |
| 4.166 | | 20575 | 16380 |
| 4.206 | | 36213 | 31653 |
| 4.24 | | 393887 | 303134 |
| 4.261 | | 108477 | 64717 |
| 4.284 | | 118316 | 87061 |
| 4.351 | | 68384 | 57515 |
| 4.395 | | 402263 | 381957 |
| 4.428 | | 11114 | 7377 |
| 4.492 | | 7443 | 6477 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.534 | | 55210 | 57420 |
| 4.589 | | 32668 | 23908 |
| 4.603 | | 89399 | 64551 |
| 4.65 | | 255676 | 236556 |
| 4.695 | | 375359 | 435148 |
| 4.733 | | 94330 | 70828 |
| 4.772 | | 818670 | 788836 |
| 4.814 | | 5977 | 5008 |
| 4.863 | | 128312 | 148457 |
| 4.895 | | 16348 | 11056 |
| 4.92 | | 157148 | 143977 |
| 4.973 | | 894097 | 1190592 |
| 5.022 | | 191165 | 175225 |
| 5.066 | | 465982 | 569605 |
| 5.145 | | 103618 | 132730 |
| 5.181 | | 1050978 | 1240271 |
| 5.244 | | 534477 | 509237 |
| 5.287 | | 359850 | 360741 |
| 5.408 | | 688221 | 1000663 |
| 5.467 | | 323450 | 320086 |
| 5.508 | | 169473 | 159561 |
| 5.548 | | 59503 | 54638 |
| 5.593 | | 230054 | 239734 |
| 5.648 | | 1470914 | 1758497 |
| 5.855 | | 813736 | 891306 |
| 5.894 | | 42168 | 48970 |
| 5.906 | | 93976 | 80191 |
| 6.04 | | 65623 | 67975 |
| 6.105 | | 55087 | 41418 |
| 6.127 | | 167178 | 149489 |
| 6.285 | | 397066 | 432758 |
| 6.33 | | 26165 | 22849 |
| 6.414 | | 972 | 861 |
| 6.486 | | 145690 | 165322 |
| 6.632 | DCB | 2873287 | 3207965 |

LANCASTER LABORATORIES

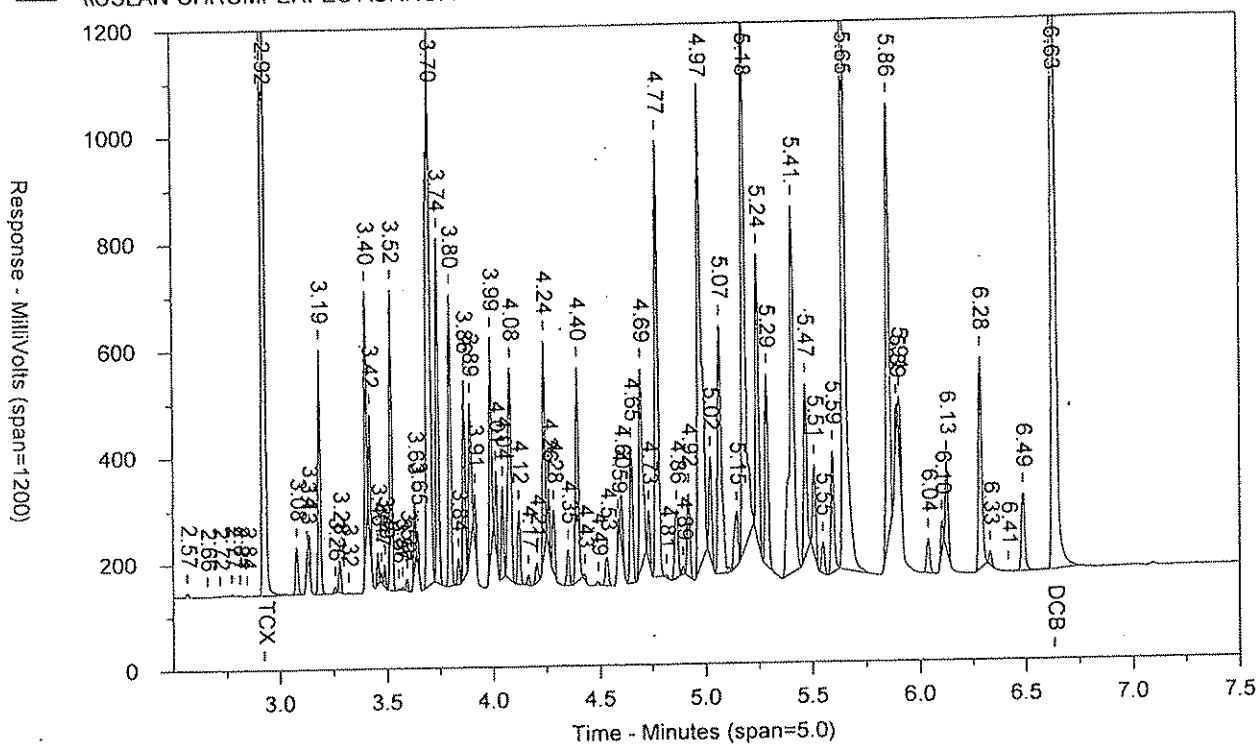
Sample Number: AR1631624B COAR163CO CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:17:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 14913 | 12023 |
| 2.198 | | 1066 | 1810 |
| 2.22 | | 4392 | 4819 |
| 2.286 | | 9148 | 6307 |
| 2.346 | | 3474 | 3152 |
| 2.401 | | 1357 | 1937 |
| 2.518 | | 1272 | 1731 |
| 2.533 | | 3982 | 2214 |
| 2.556 | | 1543 | 678 |
| 2.599 | TCX | 10517310 | 6137905 |
| 2.643 | | 62299 | 41771 |
| 2.77 | | 167690 | 105860 |
| 2.816 | | 98441 | 46973 |
| 2.831 | | 156493 | 77966 |
| 2.883 | | 840793 | 506248 |
| 2.931 | | 23196 | 13588 |
| 2.993 | | 110055 | 66832 |
| 3.089 | | 1084318 | 1019900 |
| 3.141 | | 128117 | 75904 |
| 3.162 | | 59029 | 32160 |
| 3.188 | | 87473 | 47494 |
| 3.211 | | 1056975 | 676042 |
| 3.248 | | 40833 | 22412 |
| 3.275 | | 9852 | 4686 |
| 3.295 | | 311952 | 301072 |
| 3.37 | | 2124900 | 2071591 |
| 3.404 | | 1148020 | 839317 |
| 3.478 | | 1167291 | 693590 |
| 3.514 | | 796587 | 489449 |
| 3.537 | | 892528 | 484127 |
| 3.555 | | 273699 | 141348 |
| 3.641 | | 961558 | 618268 |
| 3.664 | | 379901 | 203982 |
| 3.685 | | 352570 | 202206 |
| 3.714 | | 254162 | 129472 |
| 3.731 | | 829430 | 487102 |
| 3.771 | | 307185 | 200910 |
| 3.817 | | 45719 | 39979 |
| 3.839 | | 216022 | 126128 |
| 3.861 | | 1095281 | 691626 |
| 3.886 | | 218592 | 129810 |
| 3.905 | | 36289 | 17491 |
| 3.925 | | 146444 | 91225 |
| 3.96 | | 840398 | 573135 |
| 3.993 | | 44800 | 24452 |
| 4.008 | | 74085 | 43022 |
| 4.054 | | 4219 | 2277 |
| 4.069 | | 6015 | 3762 |
| 4.102 | | 72088 | 77887 |
| 4.134 | | 5454 | 3089 |
| 4.159 | | 233582 | 157966 |
| 4.201 | | 247482 | 148246 |
| 4.219 | | 213346 | 106665 |
| 4.232 | | 655401 | 353364 |

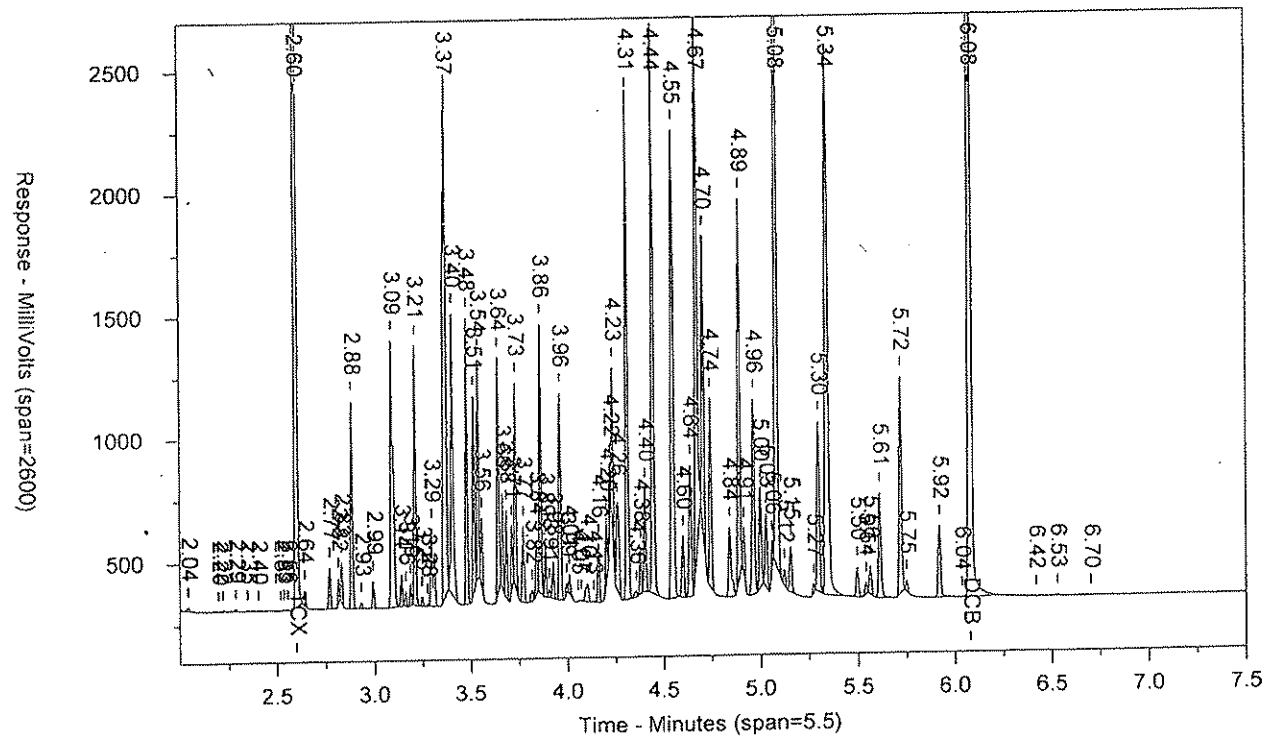
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.257 | | 355588 | 356090 |
| 4.309 | | 2083947 | 1469411 |
| 4.356 | | 24729 | 24310 |
| 4.378 | | 181274 | 116432 |
| 4.402 | | 419945 | 304972 |
| 4.444 | | 2330967 | 1705708 |
| 4.545 | | 1907291 | 1756486 |
| 4.598 | | 248095 | 194551 |
| 4.636 | | 532326 | 435049 |
| 4.671 | | 2254215 | 1889122 |
| 4.704 | | 1203738 | 835531 |
| 4.741 | | 769723 | 602556 |
| 4.839 | | 279304 | 267554 |
| 4.89 | | 1546624 | 1168952 |
| 4.913 | | 189049 | 115398 |
| 4.963 | | 791882 | 690782 |
| 4.998 | | 404738 | 304165 |
| 5.028 | | 296182 | 242245 |
| 5.06 | | 107574 | 60570 |
| 5.082 | | 3571378 | 2842533 |
| 5.122 | | 64041 | 44906 |
| 5.155 | | 183555 | 144645 |
| 5.273 | | 35559 | 23579 |
| 5.296 | | 691769 | 585355 |
| 5.34 | | 2244147 | 2455348 |
| 5.496 | | 121782 | 102473 |
| 5.54 | | 46955 | 32788 |
| 5.563 | | 116148 | 88490 |
| 5.612 | | 424202 | 361683 |
| 5.719 | | 880735 | 743922 |
| 5.75 | | 43737 | 30393 |
| 5.918 | | 290280 | 255011 |
| 6.035 | | 1205 | 856 |
| 6.077 | DCB | 7786713 | 6872424 |
| 6.418 | | 1452 | 2524 |
| 6.529 | | 7699 | 8795 |
| 6.701 | | 1630 | 1713 |

AR1631624B COAR163CO CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0027.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0027.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B COAR163CO CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:17:15 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

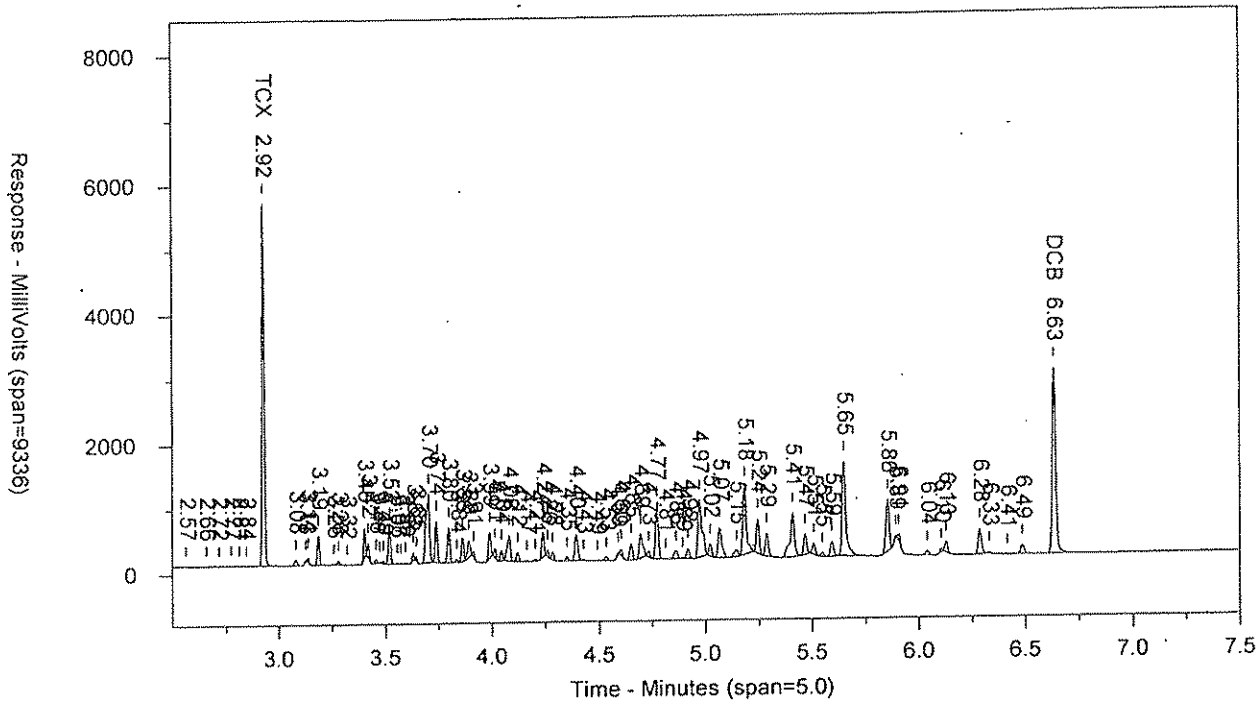
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 5600531 | 41.395 | TCX | 2.599 | 10517310 | 42.821 | TCX |
| 6.632 | 2873287 | 42.986 | DCB | 6.077 | 7786713 | 40.931 | DCB |

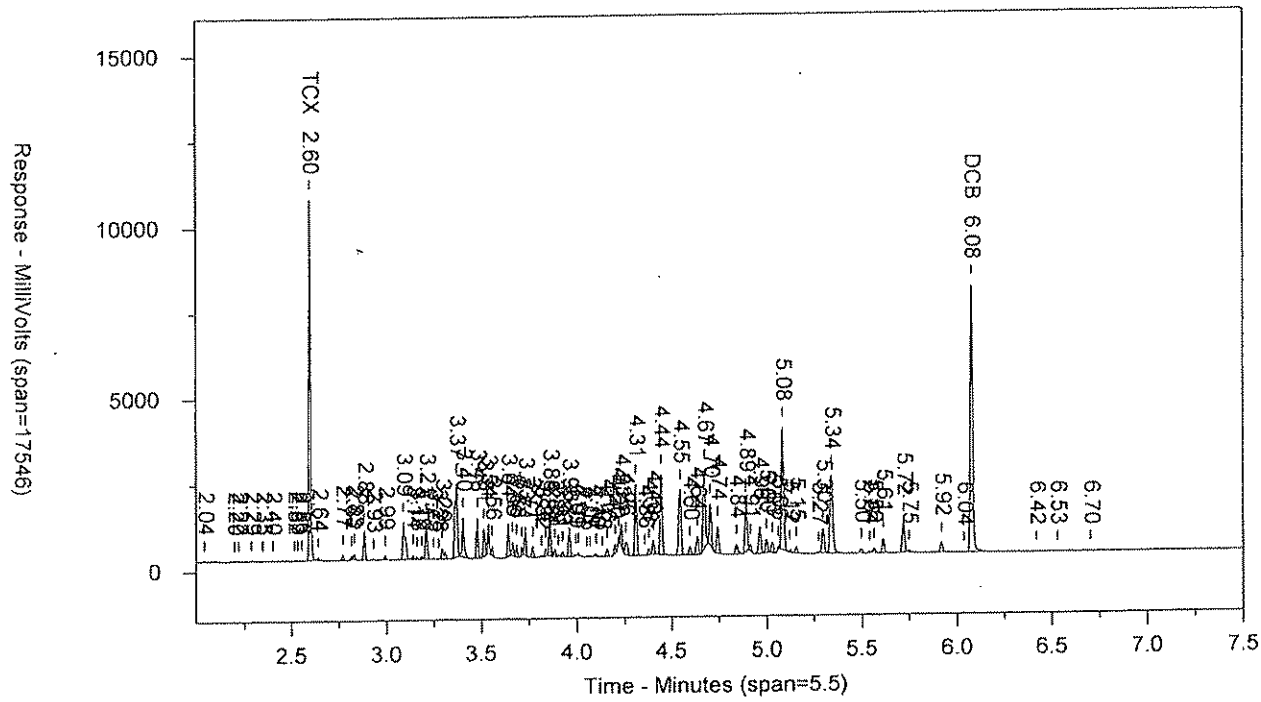
Files:
Area File: 25pcbs16207035.0027.RAW
Area File: 25pcbs16207035B.0027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:25:48 PM
File Reported On: 9/15/2016 at 2:25:57 PM

AR1631624B COAR163CO CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0027.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0027.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624B LZPIBLKLZ PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:28:36 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: 25pcbs16207035.0028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.037 | | 1899 | 4591 |
| 2.087 | | 12500 | 18885 |
| 2.216 | | 16183 | 13042 |
| 2.308 | | 13869 | 8504 |
| 2.328 | | 5391 | 3040 |
| 2.374 | | 3473 | 3349 |
| 2.409 | | 4885 | 4455 |
| 2.491 | | 2453 | 3123 |
| 2.572 | | 1894 | 3205 |
| 2.663 | | 1030 | 1100 |
| 2.717 | | 769 | 1446 |
| 2.773 | | 13582 | 13162 |
| 2.81 | | 3793 | 2945 |
| 2.844 | | 1360 | 2360 |
| 2.925 | TCX | 3086521 | 2092515 |
| 3.092 | | 963 | 664 |
| 3.126 | | 44626 | 30364 |
| 3.173 | | 4068 | 3945 |
| 3.257 | | 7935 | 5460 |
| 3.328 | | 674 | 671 |
| 3.405 | | 1294 | 1664 |
| 3.514 | | 3770 | 3707 |
| 3.573 | | 2956 | 2276 |
| 3.67 | | 4255 | 4621 |
| 3.743 | | 1626 | 2996 |
| 3.83 | | 2955 | 2908 |
| 3.899 | | 1349 | 2025 |
| 4.063 | | 3791 | 2980 |
| 4.112 | | 993 | 906 |
| 4.15 | | 2170 | 2158 |
| 4.203 | | 17884 | 27723 |
| 4.312 | | 2344 | 3319 |
| 4.485 | | 3066 | 3911 |
| 4.529 | | 789 | 822 |
| 4.585 | | 1518 | 1473 |
| 4.834 | | 2819 | 3985 |
| 4.893 | | 6970 | 6547 |
| 5.058 | | 1214 | 2166 |
| 5.134 | | 11360 | 10780 |
| 5.18 | | 3273 | 4024 |
| 5.322 | | 1390 | 3314 |
| 5.404 | | 1368 | 4444 |
| 5.513 | | 1758 | 2914 |
| 5.545 | | 9258 | 9239 |
| 5.613 | | 2331 | 2507 |
| 5.667 | | 20513 | 23024 |
| 5.82 | | 2043 | 5127 |
| 6.039 | | 26763 | 26619 |
| 6.074 | | 2862 | 2145 |
| 6.104 | | 27307 | 24509 |
| 6.37 | | 1295 | 2701 |
| 6.452 | | 875 | 742 |
| 6.486 | | 20850 | 23285 |
| 6.632 | DCB | 1575006 | 1816410 |

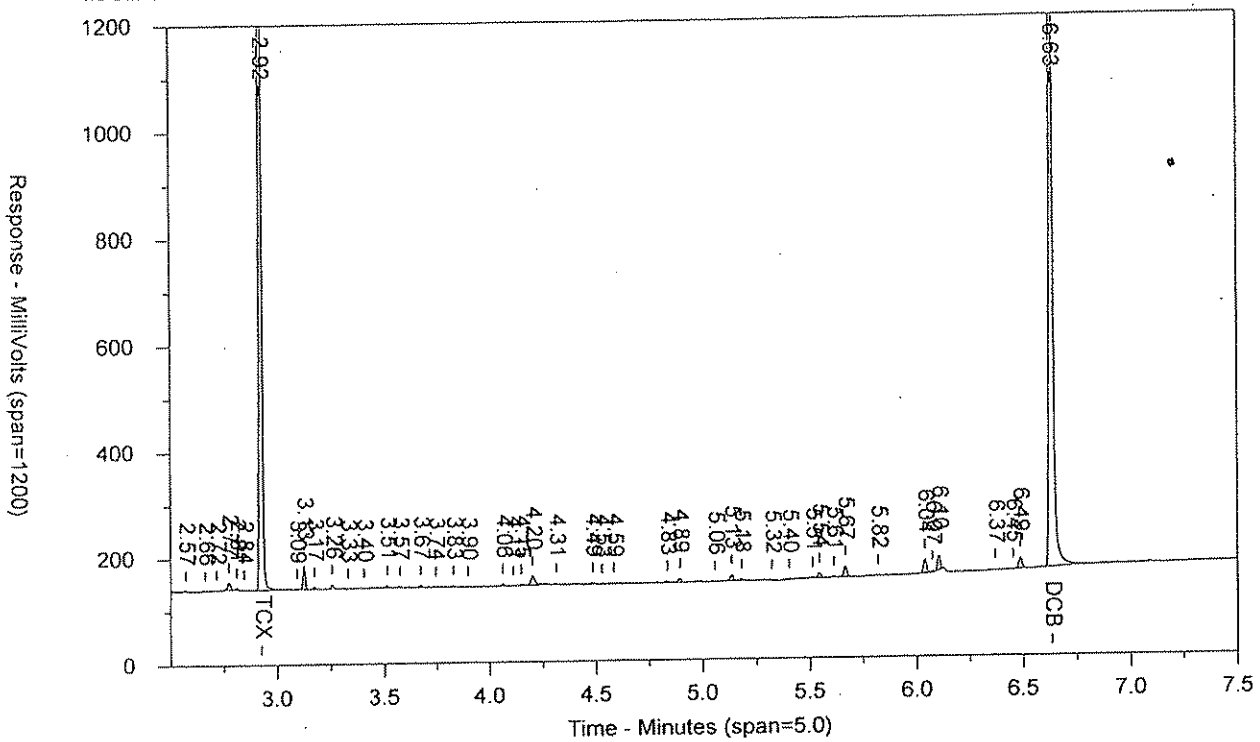
LANCASTER LABORATORIES

Sample Number: IBLKX1624B LZPIBLKLZ PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:28:36 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: 25pcbs16207035B.0028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

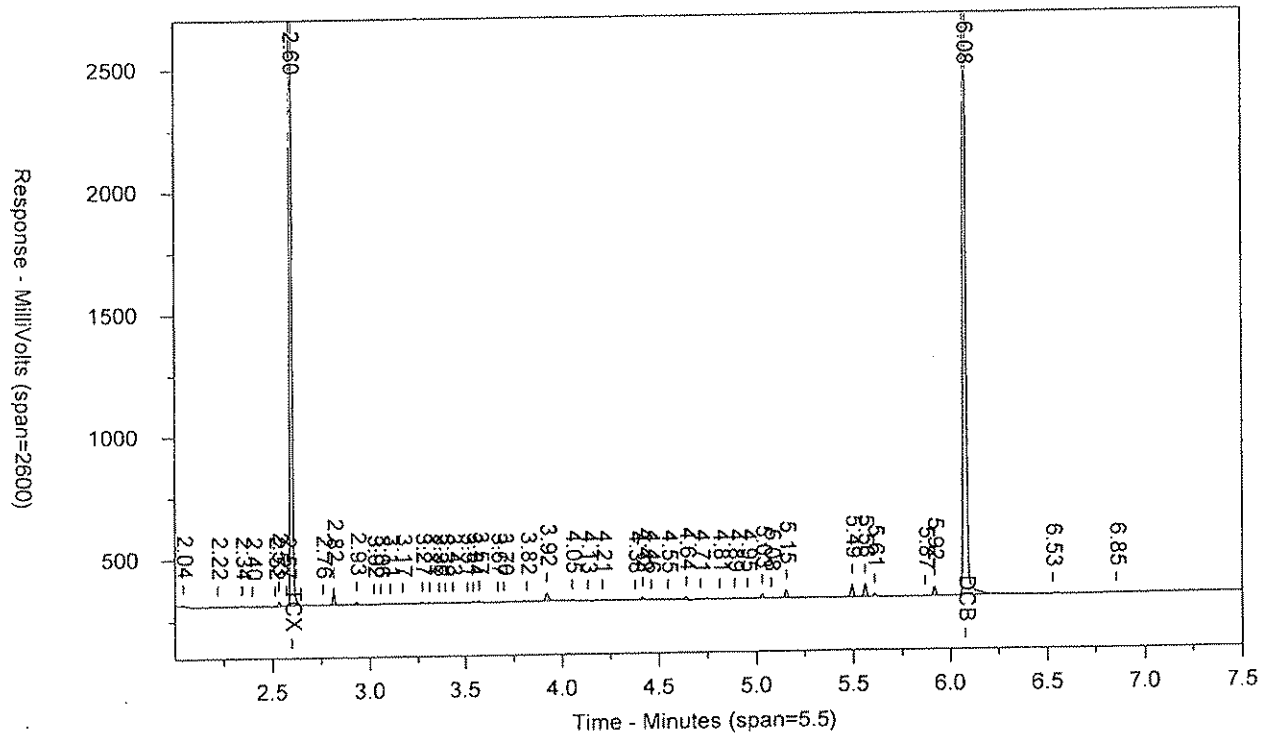
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 8775 | 8024 |
| 2.219 | | 5444 | 5775 |
| 2.344 | | 3158 | 2882 |
| 2.397 | | 1474 | 1522 |
| 2.516 | | 3243 | 3269 |
| 2.533 | | 19717 | 13897 |
| 2.573 | | 1397 | 913 |
| 2.599 | TCX | 5711694 | 3354450 |
| 2.759 | | 2156 | 2136 |
| 2.815 | | 69450 | 40416 |
| 2.931 | | 13560 | 8756 |
| 3.021 | | 1409 | 1187 |
| 3.056 | | 921 | 625 |
| 3.106 | | 2009 | 3116 |
| 3.17 | | 1852 | 2226 |
| 3.274 | | 5974 | 5854 |
| 3.311 | | 6228 | 4335 |
| 3.362 | | 2755 | 3148 |
| 3.394 | | 2223 | 2431 |
| 3.435 | | 2629 | 1785 |
| 3.512 | | 1986 | 1506 |
| 3.543 | | 2935 | 2602 |
| 3.572 | | 7546 | 7476 |
| 3.668 | | 2368 | 3739 |
| 3.7 | | 1639 | 2028 |
| 3.82 | | 1776 | 1392 |
| 3.922 | | 33432 | 39621 |
| 4.053 | | 5646 | 6590 |
| 4.134 | | 3424 | 3623 |
| 4.209 | | 2738 | 4383 |
| 4.377 | | 1007 | 642 |
| 4.417 | | 11259 | 9623 |
| 4.459 | | 1757 | 2539 |
| 4.547 | | 1609 | 1643 |
| 4.64 | | 13753 | 11806 |
| 4.714 | | 2190 | 7267 |
| 4.813 | | 1387 | 984 |
| 4.888 | | 1656 | 1329 |
| 4.952 | | 2009 | 2314 |
| 5.03 | | 16103 | 13117 |
| 5.075 | | 3153 | 3638 |
| 5.153 | | 33812 | 31602 |
| 5.494 | | 52456 | 47645 |
| 5.562 | | 53910 | 46085 |
| 5.611 | | 12225 | 11538 |
| 5.868 | | 1158 | 975 |
| 5.917 | | 37630 | 37735 |
| 6.076 | DCB | 4223615 | 3733979 |
| 6.527 | | 3405 | 2952 |
| 6.854 | | 1014 | 2129 |

IBLKX1624B LZPIBLKLZ PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0028.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0028.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624B LZPIBLKLZ PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 2:28:36 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: 4
Calibration Type: external
Quantitation: Height

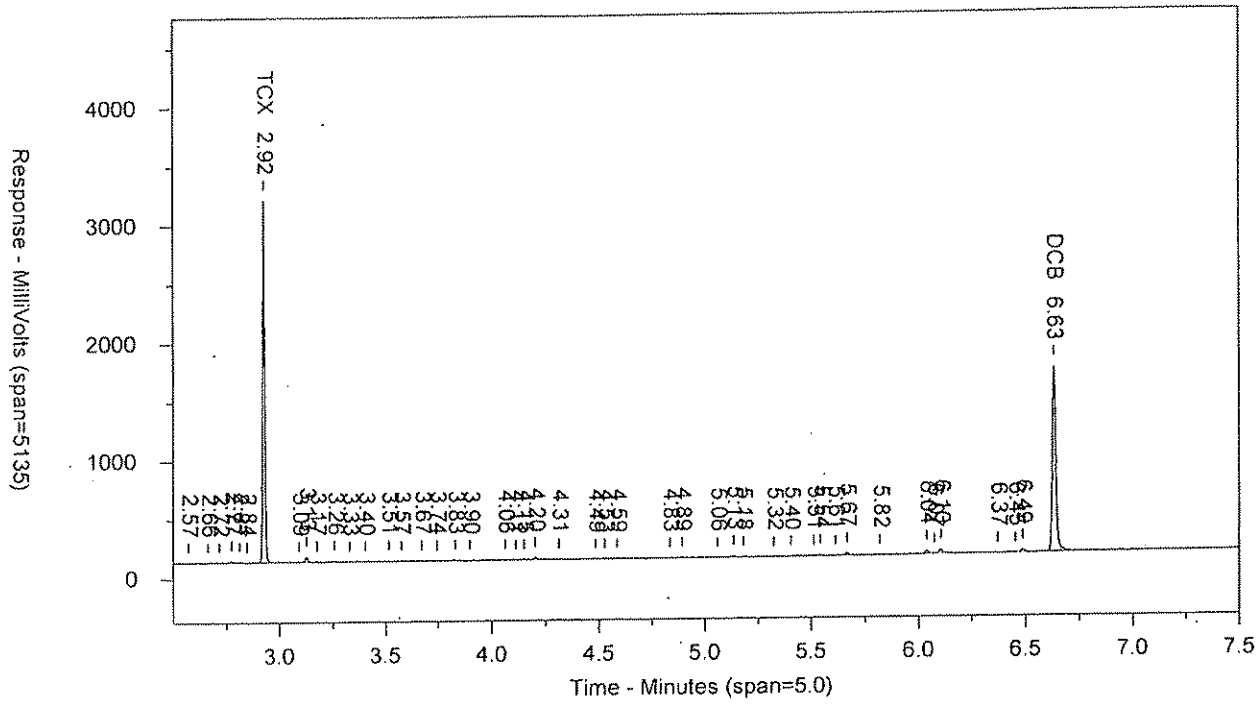
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 3086521 | .228 | TCX | 2.599 | 5711694 | .233 | TCX |
| 6.632 | 1575006 | .236 | DCB | 6.076 | 4223615 | .222 | DCB |

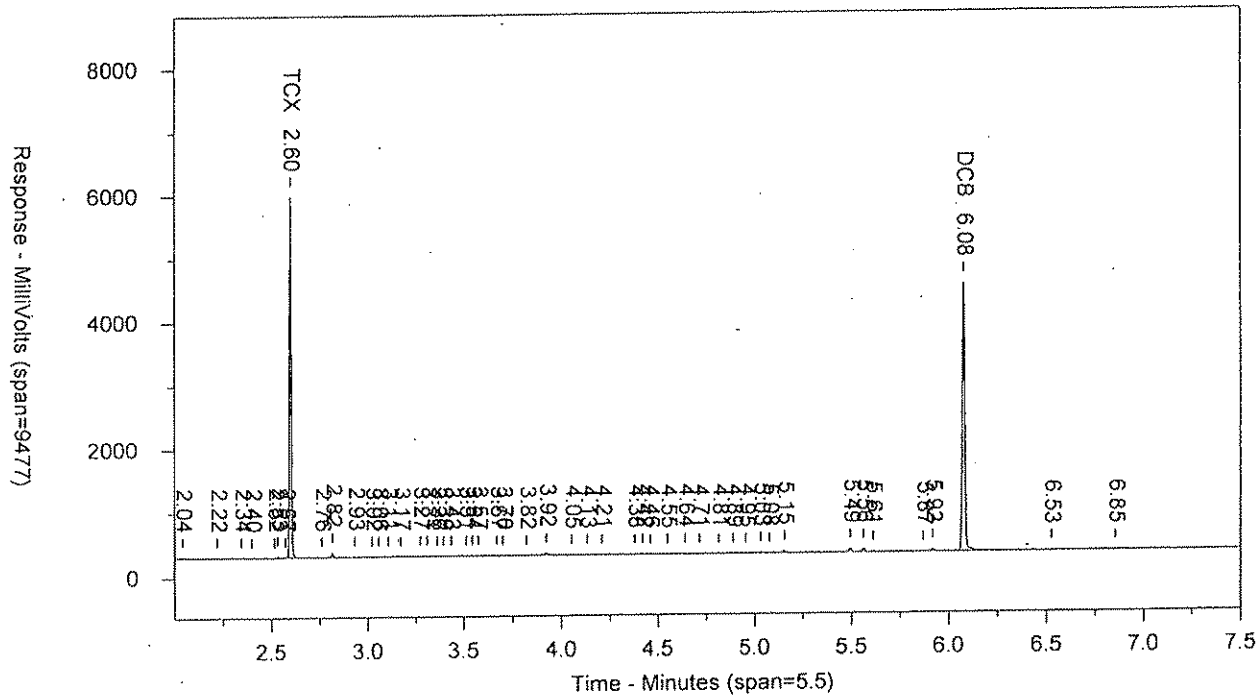
Files:
Area File: 25pcbs16207035.0028.RAW
Area File: 25pcbs16207035B.0028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 2:37:06 PM
File Reported On: 9/15/2016 at 2:37:13 PM

IBLKX1624B LZPIBLKLZ PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0028.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0028.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B CPAR163CP CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:21:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs16207035.0043.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.038 | | 1402 | 3566 |
| 2.088 | | 11260 | 16842 |
| 2.216 | | 28014 | 21208 |
| 2.308 | | 4727 | 2736 |
| 2.328 | | 10332 | 6602 |
| 2.375 | | 3529 | 3453 |
| 2.408 | | 3927 | 3846 |
| 2.488 | | 2570 | 3526 |
| 2.566 | | 7672 | 7615 |
| 2.663 | | 936 | 1053 |
| 2.775 | | 3413 | 4963 |
| 2.81 | | 3292 | 2434 |
| 2.843 | | 1973 | 1433 |
| 2.925 | TCX | 5523853 | 3818385 |
| 3.079 | | 82868 | 69562 |
| 3.137 | | 115838 | 126186 |
| 3.185 | | 462486 | 327640 |
| 3.258 | | 12939 | 7734 |
| 3.279 | | 62870 | 42142 |
| 3.319 | | 1693 | 1810 |
| 3.401 | | 468460 | 285763 |
| 3.418 | | 221559 | 120283 |
| 3.456 | | 68168 | 55477 |
| 3.489 | | 41761 | 24278 |
| 3.519 | | 558790 | 424727 |
| 3.548 | | 4941 | 3881 |
| 3.572 | | 3676 | 2181 |
| 3.593 | | 21020 | 13700 |
| 3.63 | | 177210 | 206947 |
| 3.689 | | 281805 | 143777 |
| 3.7 | | 602998 | 297958 |
| 3.737 | | 652700 | 501289 |
| 3.796 | | 549924 | 436512 |
| 3.836 | | 52607 | 37010 |
| 3.863 | | 395158 | 286123 |
| 3.89 | | 341153 | 468613 |
| 3.988 | | 411989 | 310218 |
| 4.013 | | 145121 | 98762 |
| 4.043 | | 174292 | 128759 |
| 4.08 | | 415760 | 439841 |
| 4.119 | | 150164 | 120188 |
| 4.165 | | 19557 | 15782 |
| 4.205 | | 36149 | 32433 |
| 4.238 | | 420628 | 317419 |
| 4.259 | | 109558 | 66631 |
| 4.283 | | 125079 | 91002 |
| 4.35 | | 70392 | 59779 |
| 4.393 | | 409704 | 393034 |
| 4.428 | | 10429 | 6344 |
| 4.49 | | 6190 | 5762 |
| 4.533 | | 37585 | 36399 |
| 4.587 | | 31261 | 23394 |
| 4.602 | | 103493 | 71747 |
| 4.648 | | 268448 | 244378 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.694 | | 391975 | 467604 |
| 4.731 | | 98273 | 70762 |
| 4.771 | | 866860 | 836092 |
| 4.862 | | 129860 | 154082 |
| 4.892 | | 10562 | 6531 |
| 4.918 | | 164812 | 154293 |
| 4.971 | | 947645 | 1239400 |
| 5.021 | | 199486 | 183138 |
| 5.065 | | 489569 | 570544 |
| 5.106 | | 4815 | 2796 |
| 5.144 | | 104221 | 127545 |
| 5.18 | | 1113669 | 1297488 |
| 5.242 | | 571599 | 534481 |
| 5.286 | | 370223 | 373713 |
| 5.408 | | 723090 | 1028918 |
| 5.466 | | 331044 | 332655 |
| 5.506 | | 181262 | 163503 |
| 5.546 | | 49428 | 46629 |
| 5.591 | | 239107 | 246500 |
| 5.647 | | 1522030 | 1805949 |
| 5.853 | | 839597 | 919820 |
| 5.893 | | 253340 | 502524 |
| 6.038 | | 54562 | 55195 |
| 6.103 | | 39643 | 31371 |
| 6.126 | | 170111 | 155233 |
| 6.284 | | 399621 | 437370 |
| 6.329 | | 27030 | 23228 |
| 6.483 | | 144973 | 165706 |
| 6.63 | DCB | 2813388 | 3235664 |

LANCASTER LABORATORIES

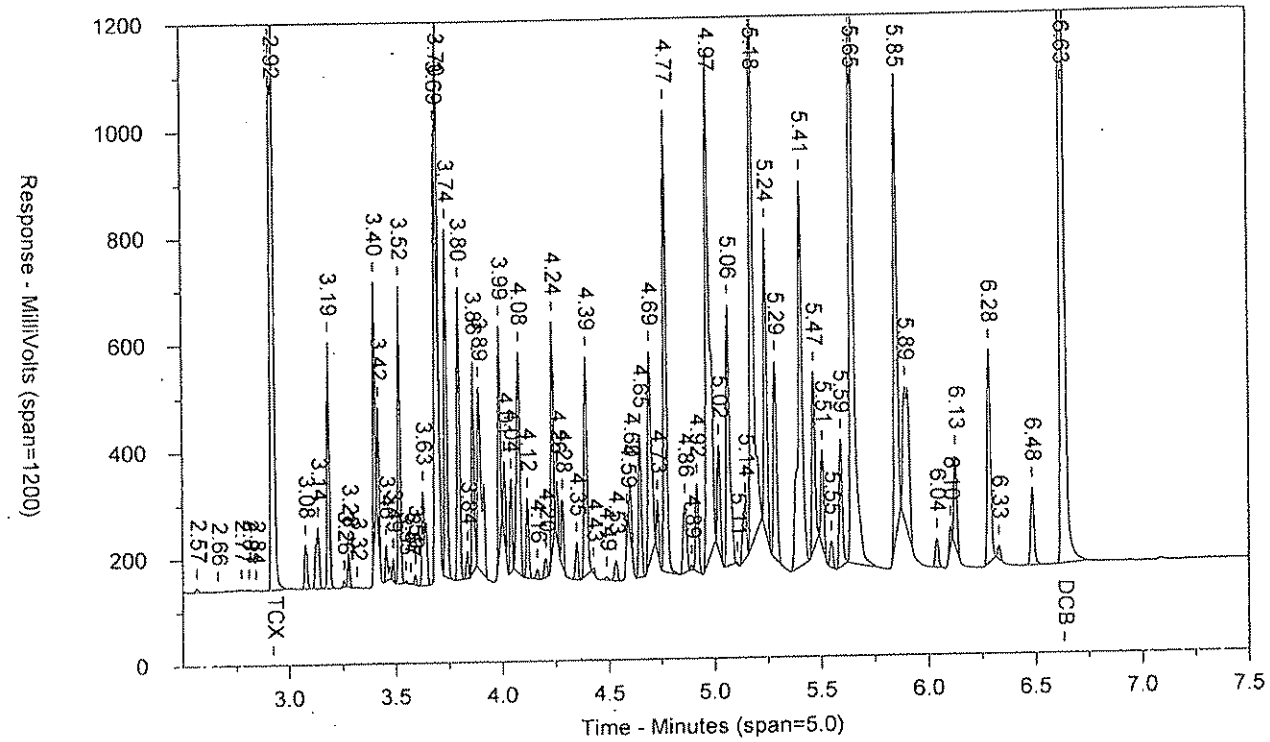
Sample Number: AR1631624B CPAR163CP CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:21:31 PM Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0043.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 14823 | 11053 |
| 2.131 | | 687 | 706 |
| 2.219 | | 4751 | 5697 |
| 2.286 | | 8881 | 6016 |
| 2.345 | | 4300 | 5993 |
| 2.475 | | 2224 | 3628 |
| 2.516 | | 1594 | 939 |
| 2.533 | | 3916 | 2413 |
| 2.599 | TCX | 10666970 | 6200468 |
| 2.643 | | 61905 | 41995 |
| 2.689 | | 1383 | 2100 |
| 2.77 | | 159115 | 100381 |
| 2.816 | | 104974 | 49017 |
| 2.83 | | 157875 | 77911 |
| 2.882 | | 858197 | 506774 |
| 2.931 | | 25040 | 15658 |
| 2.993 | | 108065 | 66030 |
| 3.024 | | 2422 | 1693 |
| 3.089 | | 1106671 | 1040336 |
| 3.14 | | 129232 | 77717 |
| 3.162 | | 61072 | 35531 |
| 3.188 | | 90471 | 49013 |
| 3.211 | | 1091600 | 688458 |
| 3.248 | | 35351 | 19707 |
| 3.275 | | 6949 | 3497 |
| 3.294 | | 282308 | 146146 |
| 3.309 | | 166868 | 78561 |
| 3.37 | | 2246763 | 2171014 |
| 3.403 | | 1178871 | 865278 |
| 3.477 | | 1226473 | 723090 |
| 3.513 | | 832723 | 507830 |
| 3.536 | | 906513 | 496550 |
| 3.554 | | 300684 | 151742 |
| 3.591 | | 3212 | 2040 |
| 3.64 | | 1020258 | 645925 |
| 3.663 | | 402713 | 217140 |
| 3.683 | | 370463 | 211568 |
| 3.712 | | 249177 | 126864 |
| 3.729 | | 873450 | 508039 |
| 3.77 | | 314628 | 206094 |
| 3.817 | | 40699 | 32284 |
| 3.838 | | 224143 | 131887 |
| 3.861 | | 1171316 | 725800 |
| 3.885 | | 232781 | 137226 |
| 3.905 | | 33337 | 16290 |
| 3.924 | | 152475 | 94504 |
| 3.959 | | 922335 | 597232 |
| 3.992 | | 44916 | 23528 |
| 4.007 | | 71903 | 42185 |
| 4.054 | | 7183 | 9576 |
| 4.102 | | 59072 | 49486 |
| 4.133 | | 3855 | 2419 |
| 4.158 | | 231544 | 161773 |
| 4.2 | | 248969 | 147955 |

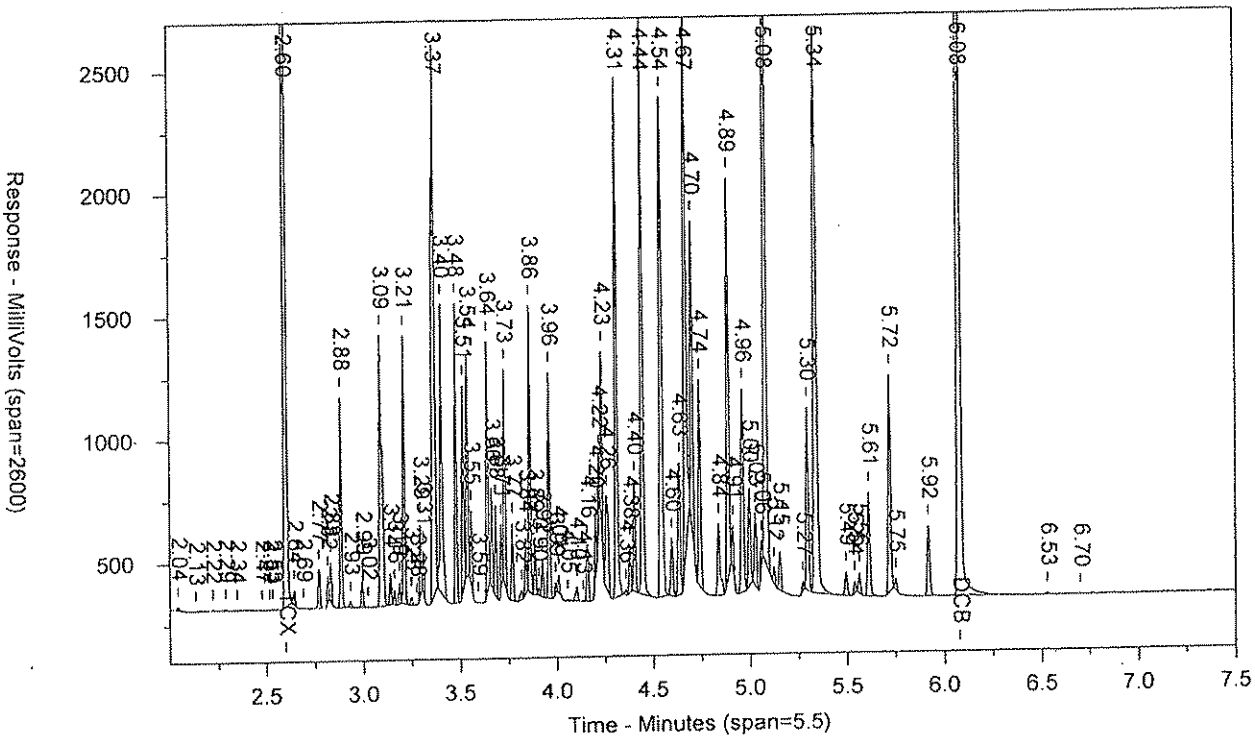
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.217 | | 263346 | 117378 |
| 4.231 | | 710652 | 386717 |
| 4.256 | | 378938 | 375079 |
| 4.308 | | 2121675 | 1548455 |
| 4.356 | | 23234 | 14729 |
| 4.377 | | 193089 | 121953 |
| 4.401 | | 450764 | 324074 |
| 4.443 | | 2428361 | 1828154 |
| 4.544 | | 2040356 | 1834942 |
| 4.597 | | 236311 | 195224 |
| 4.635 | | 539421 | 448917 |
| 4.67 | | 2479649 | 2008230 |
| 4.703 | | 1255499 | 886019 |
| 4.741 | | 841525 | 635763 |
| 4.838 | | 292506 | 278111 |
| 4.889 | | 1620759 | 1215115 |
| 4.912 | | 188232 | 114765 |
| 4.962 | | 831232 | 718199 |
| 4.997 | | 396529 | 315500 |
| 5.027 | | 298135 | 241647 |
| 5.059 | | 102264 | 61620 |
| 5.081 | | 3693933 | 2962543 |
| 5.122 | | 66793 | 44729 |
| 5.154 | | 158684 | 121331 |
| 5.272 | | 39417 | 24919 |
| 5.295 | | 748389 | 605735 |
| 5.339 | | 2311447 | 2532681 |
| 5.495 | | 96808 | 83050 |
| 5.54 | | 47154 | 34252 |
| 5.563 | | 82866 | 60597 |
| 5.612 | | 424949 | 365527 |
| 5.718 | | 885098 | 760348 |
| 5.749 | | 45521 | 30854 |
| 5.917 | | 287779 | 255436 |
| 6.076 | DCB | 8170853 | 7020028 |
| 6.528 | | 7806 | 7048 |
| 6.701 | | 1507 | 2673 |

AR1631624B CPAR163CP CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0043.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0043.RAW



LANCASTER LABORATORIES

Sample Number: AR1631624B CPAR163CP CCAL 1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:21:31 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

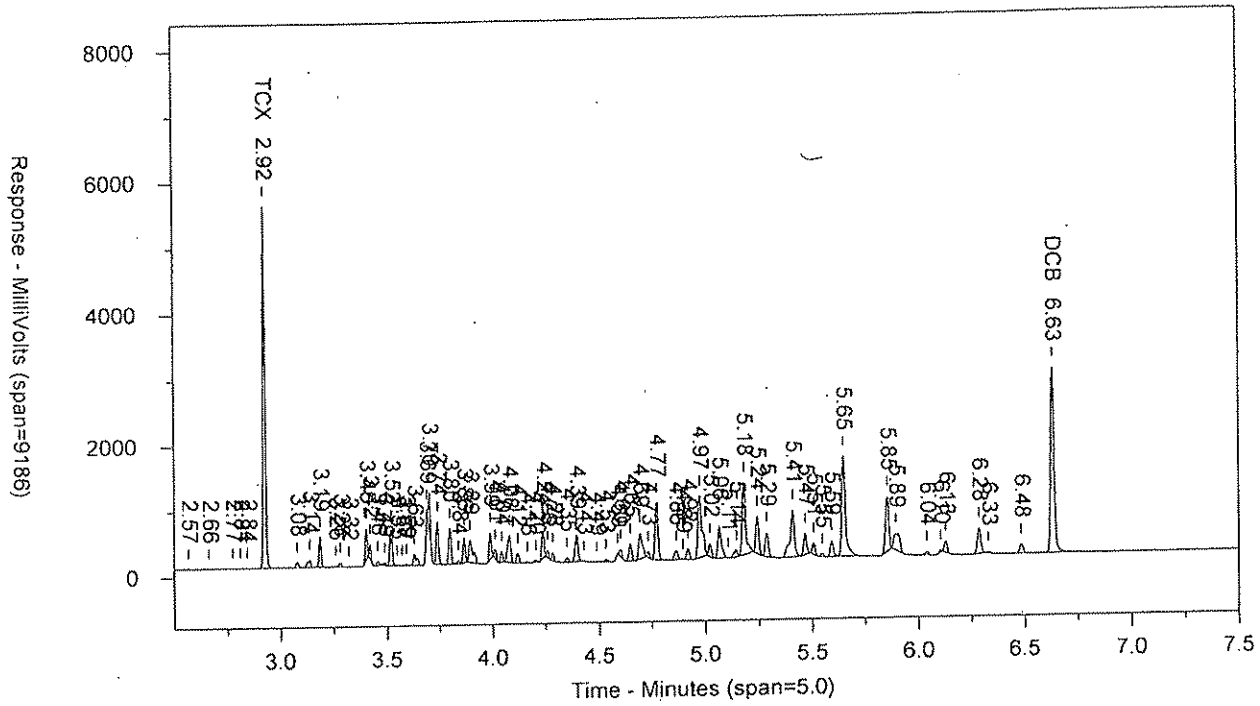
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 5523853 | 40.828 | TCX | 2.599 | 10666970 | 43.43 | TCX |
| 6.63 | 2813388 | 42.09 | DCB | 6.076 | 8170853 | 42.951 | DCB |

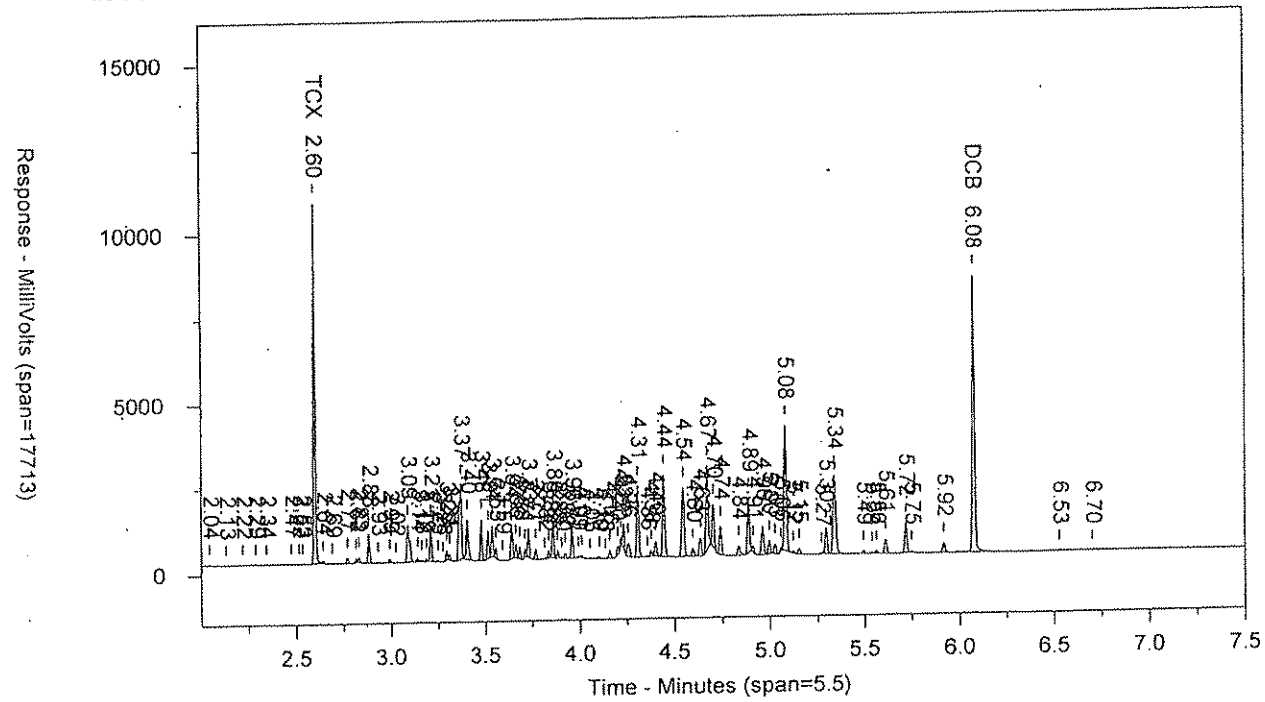
Files:
Area File: 25pcbs16207035.0043.RAW
Area File: 25pcbs16207035B.0043.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 5:30:01 PM
File Reported On: 9/15/2016 at 5:30:15 PM

AR1631624B CPAR163CP CCAL 1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0043.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0043.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624B MAPIBLKMA PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:32:46 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: 25pcbs16207035.0044.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.032 | | 2100 | 4866 |
| 2.086 | | 14089 | 31820 |
| 2.216 | | 16285 | 12555 |
| 2.308 | | 17014 | 10672 |
| 2.328 | | 5135 | 2857 |
| 2.374 | | 3538 | 3064 |
| 2.409 | | 5449 | 5187 |
| 2.489 | | 2815 | 3886 |
| 2.567 | | 1934 | 3683 |
| 2.664 | | 731 | 946 |
| 2.721 | | 830 | 1628 |
| 2.773 | | 8930 | 8966 |
| 2.81 | | 4452 | 3255 |
| 2.85 | | 1619 | 1773 |
| 2.924 | TCX | 3133402 | 2093546 |
| 3.126 | | 45291 | 30904 |
| 3.172 | | 4083 | 3807 |
| 3.257 | | 8173 | 5335 |
| 3.326 | | 676 | 580 |
| 3.402 | | 1596 | 2045 |
| 3.473 | | 856 | 797 |
| 3.514 | | 4543 | 4589 |
| 3.544 | | 3195 | 2202 |
| 3.672 | | 5582 | 4892 |
| 3.756 | | 2352 | 4062 |
| 3.829 | | 3502 | 3359 |
| 3.899 | | 2098 | 2739 |
| 4.063 | | 3942 | 3507 |
| 4.114 | | 915 | 827 |
| 4.152 | | 3064 | 3212 |
| 4.203 | | 19218 | 28738 |
| 4.308 | | 2700 | 3734 |
| 4.424 | | 1250 | 2304 |
| 4.486 | | 3533 | 4433 |
| 4.585 | | 892 | 1107 |
| 4.704 | | 11957 | 16131 |
| 4.833 | | 3602 | 4999 |
| 4.893 | | 3328 | 3105 |
| 5.059 | | 599 | 519 |
| 5.133 | | 6097 | 5963 |
| 5.182 | | 3312 | 5207 |
| 5.408 | | 1067 | 3397 |
| 5.47 | | 662 | 816 |
| 5.513 | | 2078 | 2333 |
| 5.546 | | 4825 | 4370 |
| 5.612 | | 5143 | 5407 |
| 5.666 | | 10231 | 10031 |
| 5.806 | | 3388 | 5456 |
| 6.037 | | 19971 | 19327 |
| 6.074 | | 3812 | 3098 |
| 6.103 | | 18568 | 16607 |
| 6.348 | | 1280 | 1321 |
| 6.453 | | 1088 | 1067 |
| 6.485 | | 18494 | 20763 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 6.63 | DCB | 1625073 | 1823139 |

LANCASTER LABORATORIES

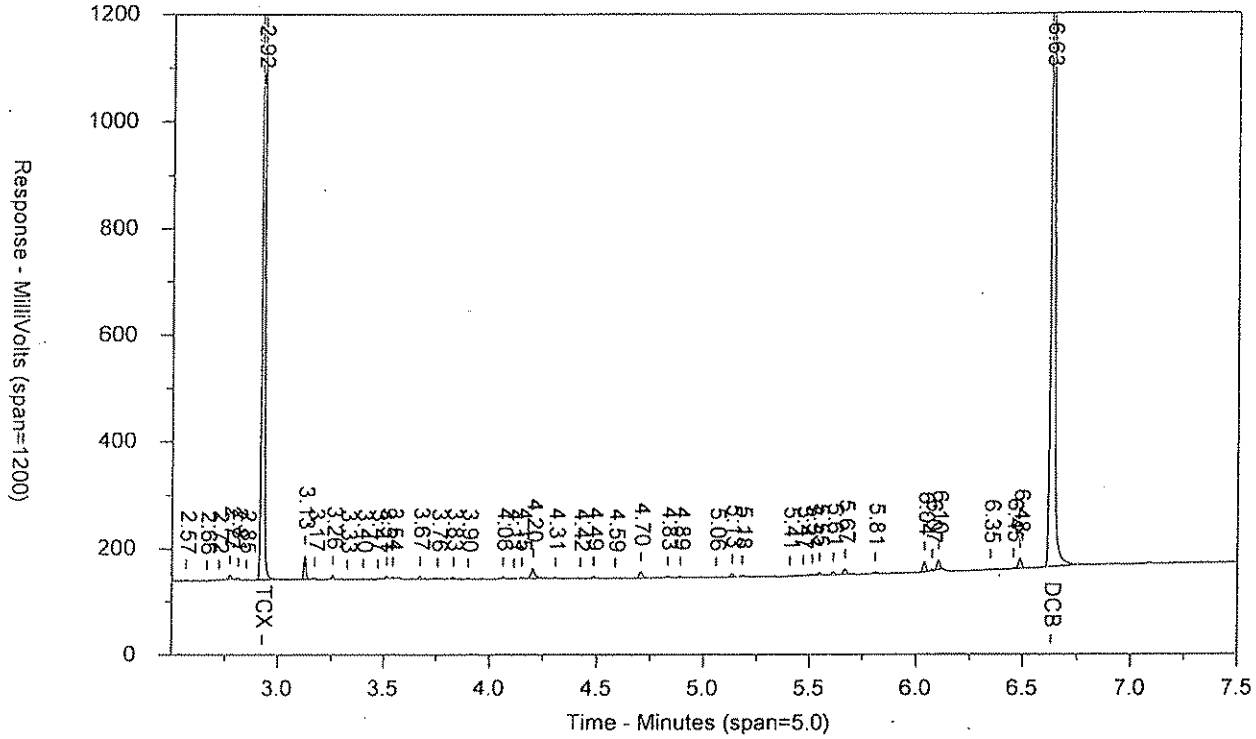
Sample Number: IBLKX1624B MAPIBLKMA PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:32:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0044.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 8627 | 8228 |
| 2.182 | | 1333 | 1571 |
| 2.22 | | 4746 | 6613 |
| 2.347 | | 3745 | 3456 |
| 2.396 | | 1141 | 1190 |
| 2.484 | | 5339 | 6068 |
| 2.515 | | 4369 | 4803 |
| 2.533 | | 12368 | 8684 |
| 2.576 | | 1627 | 825 |
| 2.599 | TCX | 5860333 | 3378995 |
| 2.758 | | 1506 | 1430 |
| 2.816 | | 69038 | 40669 |
| 2.931 | | 14208 | 8930 |
| 3.02 | | 888 | 727 |
| 3.088 | | 773 | 1359 |
| 3.167 | | 6412 | 7133 |
| 3.275 | | 4896 | 5260 |
| 3.311 | | 8218 | 4814 |
| 3.361 | | 3243 | 3606 |
| 3.394 | | 3474 | 3360 |
| 3.436 | | 2834 | 1898 |
| 3.51 | | 1450 | 874 |
| 3.541 | | 4536 | 3320 |
| 3.572 | | 7796 | 7235 |
| 3.645 | | 1744 | 997 |
| 3.701 | | 1218 | 1013 |
| 3.743 | | 1551 | 2865 |
| 3.845 | | 842 | 534 |
| 3.922 | | 33978 | 33769 |
| 4.055 | | 5001 | 4365 |
| 4.133 | | 1978 | 3638 |
| 4.18 | | 2173 | 2291 |
| 4.208 | | 1962 | 3780 |
| 4.326 | | 18348 | 18414 |
| 4.416 | | 5533 | 4371 |
| 4.541 | | 1159 | 1658 |
| 4.64 | | 7302 | 5192 |
| 4.752 | | 1555 | 1937 |
| 5.031 | | 10657 | 9319 |
| 5.073 | | 4510 | 4030 |
| 5.123 | | 2763 | 3668 |
| 5.153 | | 17225 | 16319 |
| 5.344 | | 1637 | 4431 |
| 5.494 | | 38907 | 38067 |
| 5.562 | | 34661 | 29410 |
| 5.61 | | 7205 | 8447 |
| 5.815 | | 2092 | 1824 |
| 5.871 | | 1263 | 746 |
| 5.916 | | 34572 | 28608 |
| 6.075 | DCB | 4297962 | 3792511 |
| 6.392 | | 948 | 562 |
| 6.456 | | 1492 | 2685 |
| 6.528 | | 4303 | 6425 |
| 6.628 | | 912 | 1397 |

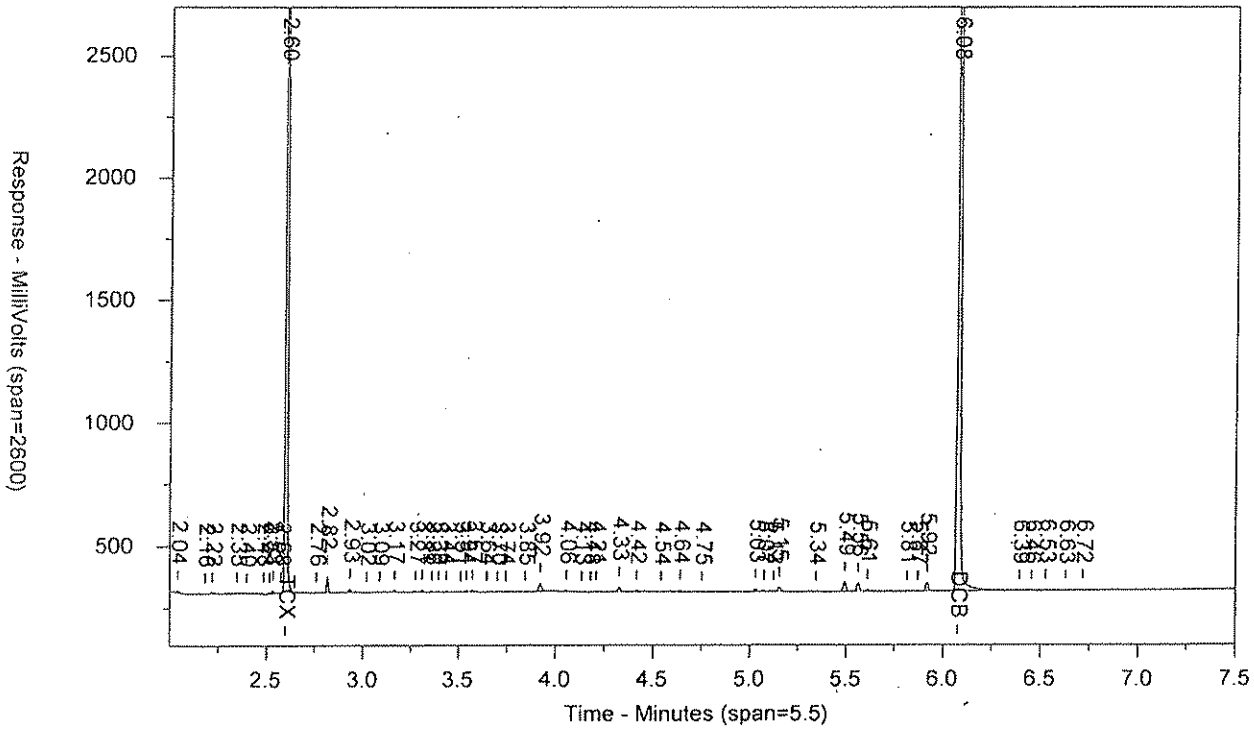
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.718 | | 1939 | 2195 |

IBLKX1624B MAPIBLKMA PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0044.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0044.RAW



LANCASTER LABORATORIES

Sample Number: IBLKX1624B MAPIBLKMA PIBLK1625899999 10736 SW-846 8082
Injected On: 9/15/2016 5:32:46 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: 4
Calibration Type: external
Quantitation: Height

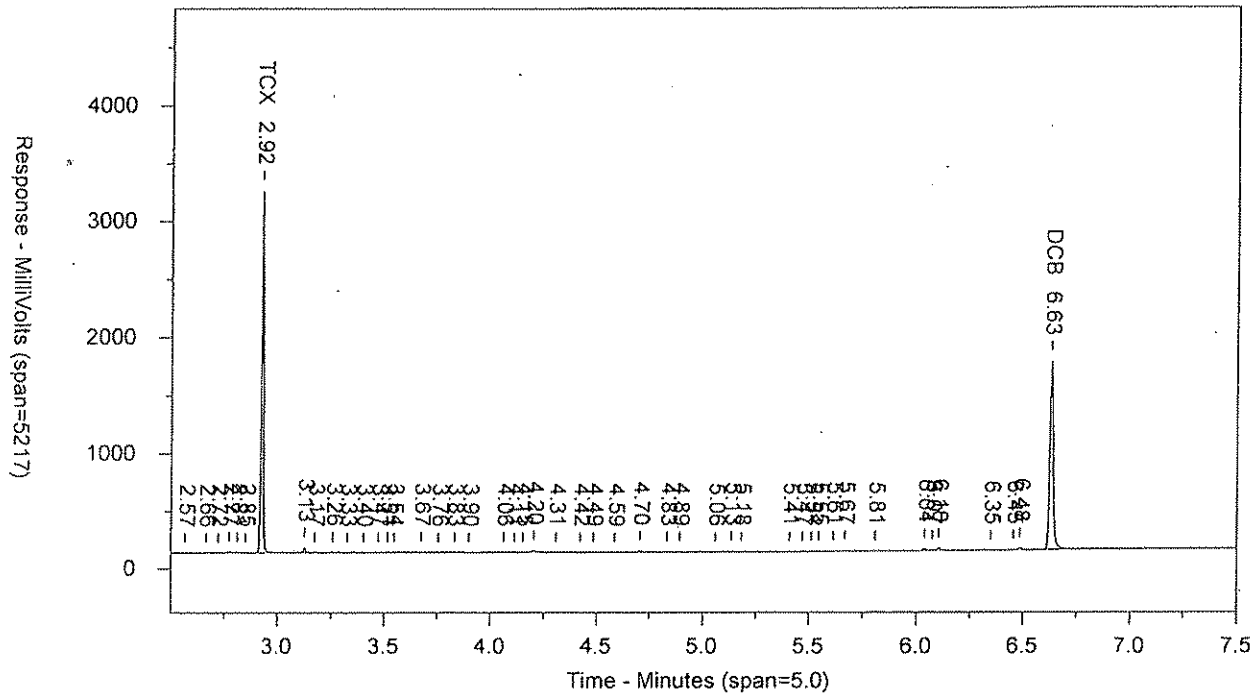
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.924 | 3133402 | .232 | TCX | 2.599 | 5860333 | .239 | TCX |
| 6.63 | 1625073 | .243 | DCB | 6.075 | 4297962 | .226 | DCB |

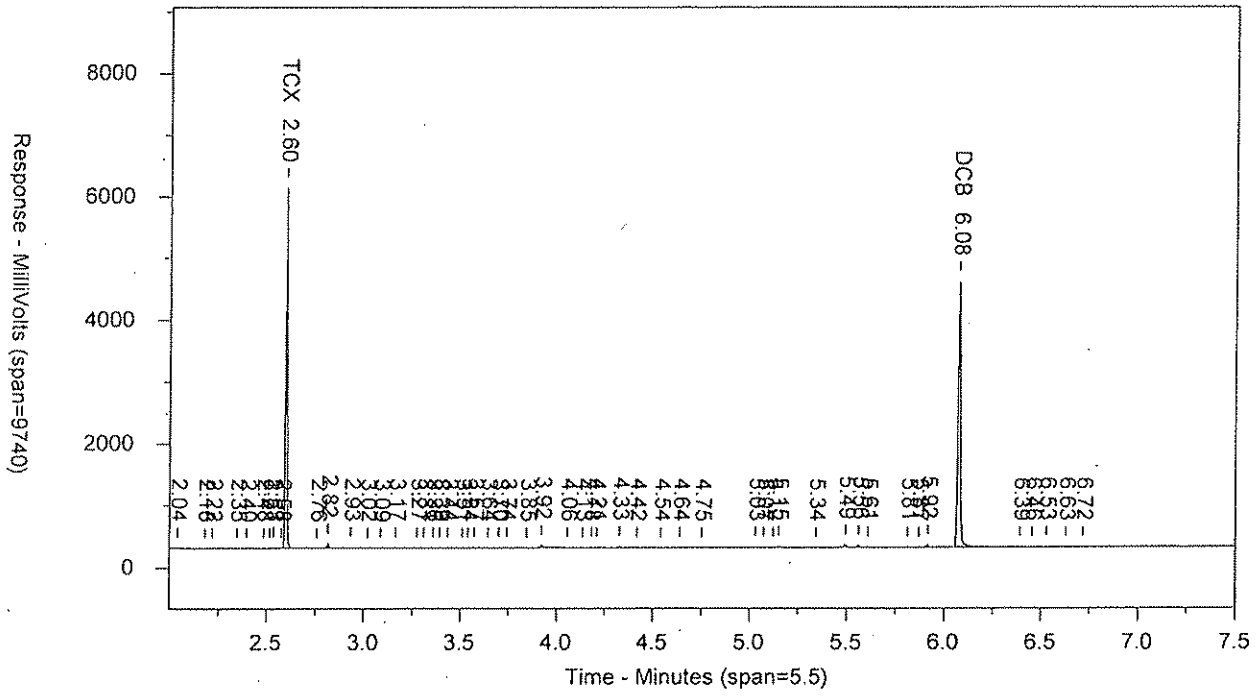
Files:
Area File: 25pcbs16207035.0044.RAW
Area File: 25pcbs16207035B.0044.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 5:41:19 PM
File Reported On: 9/15/2016 at 5:41:33 PM

IBLKX1624B MAPIBLKMA PIBLK1625899999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0044.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0044.RAW



# Raw QC Data

# Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: BLANKA** 9/13/16 ACF PBLK08257 BLK Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:31:29 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0007.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 116% ( 46 - 148 ) Conc: 33.9198
%SSR(DCB) 121% ( 49 - 139 ) Conc: 35.32775

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:31:29 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0007.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 116% ( 46 - 148 ) Conc: 34.0192
%SSR(DCB) 114% ( 49 - 139 ) Conc: 33.49363

## 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 | | | | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 4589178 | 33.9198 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 8355532 | 34.0192 |
| Decachlorobiphenyl | 6.61 | 6.64 | 6.67 | 2361409 | 35.32775 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 6371754 | 33.49363 |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | B | 34.0192 | | | | 0.29 | |
| Decachlorobiphenyl | A | 35.32775 | | | | 5.33 | |

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

Reviewed by: Kirby B. Turner
Associate Chemist

Date: SEP 15 2016

Verified by: SEP 15 2016

Date:

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 9/13/16 ACF PBLK08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:31:29
Instrument : P 25--18274A
Result file : 25PCBS16207035.0007.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 116% (46-148) Conc.: 33.9198
%SSR(DCB) : 121% (49-139) Conc.: 35.32775

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 45.48 | |
| 3.17 | 3.18 | 3.21 | 2819.582 | 1.231515 | | | 1 |
| + 3.17 | 3.20 | 3.21 | 2372.495 | 1.03624 | | | 1 |
| 3.39 | 3.41 | 3.43 | 1284.726 | 0.570833 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3323.172 | 1.215224 | | | 3 |
| 3.73 | 3.75 | 3.77 | 1577.67 | 0.508908 | | | 4 |
| 3.79 | 3.80 | 3.83 | 2681.816 | 1.015837 | | | 5 |
| 3.98 | 4.00 | 4.02 | 809.6017 | 0.397542 | | | 6 |
| Height Summation: | | | 12496.5677 | | | | |
| Amount Avg CF: | | | | 0.82331 Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 115.98 | |
| 3.13 | 3.13 | 3.17 | 8944.254 | 9.051698 | | | 2 |
| 3.17 | 3.18 | 3.21 | 2819.582 | 0.894777 | | | 3 |
| + 3.17 | 3.20 | 3.21 | 2372.495 | 0.752897 | | | 3 |
| Height Summation: | | | 11763.836 | | | | |
| Amount Avg CF: | | | | 4.973237 Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 45.38 | |
| 3.17 | 3.18 | 3.21 | 2819.582 | 0.921182 | | | 1 |
| + 3.17 | 3.20 | 3.21 | 2372.495 | 0.775115 | | | 1 |
| 3.39 | 3.41 | 3.43 | 1284.726 | 1.027378 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3323.172 | 2.180108 | | | 3 |
| 3.73 | 3.75 | 3.77 | 1577.67 | 0.929931 | | | 4 |
| 3.79 | 3.80 | 3.83 | 2681.816 | 1.879227 | | | 5 |
| 3.99 | 4.00 | 4.02 | 809.6017 | 0.801066 | | | 6 |
| Height Summation: | | | 12496.5677 | | | | |
| Amount Avg CF: | | | | 1.289815 Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 44.33 | |
| 3.17 | 3.18 | 3.21 | 2819.582 | 1.685199 | | | 1 |
| + 3.17 | 3.20 | 3.21 | 2372.495 | 1.417985 | | | 1 |
| 3.39 | 3.41 | 3.43 | 1284.726 | 0.815063 | | | 2 |
| 3.51 | 3.52 | 3.55 | 3323.172 | 1.695742 | | | 3 |
| 3.73 | 3.75 | 3.77 | 1577.67 | 0.722414 | | | 4 |
| 3.79 | 3.80 | 3.83 | 2681.816 | 1.422703 | | | 5 |
| 3.98 | 4.00 | 4.02 | 809.6017 | 0.561111 | | | 6 |
| Height Summation: | | | 12496.5677 | | | | |
| Amount Avg CF: | | | | 1.150372 Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 75.42 | |
| 3.79 | 3.80 | 3.83 | 2681.816 | 1.792798 | | | 1 |
| 3.85 | 3.87 | 3.89 | 1324.85 | 0.524218 | | | 2 |
| 3.98 | 4.00 | 4.02 | 809.6017 | 0.280779 | | | 3 |
| + 4.07 | 4.07 | 4.11 | 858.8595 | 0.365348 | | | 4 |
| 4.07 | 4.10 | 4.11 | 3128.248 | 1.330716 | | | 4 |
| 4.25 | 4.27 | 4.29 | 1654.282 | 0.667283 | | | 5 |
| 4.64 | 4.65 | 4.68 | 4888.57 | 2.701556 | | | 6 |
| Height Summation: | | | 14487.3677 | | | | |
| Amount Avg CF: | | | | 1.216225 Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:31:29
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0007.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 116% (46-148) Conc.: 34.0192
%SSR(DCB) : 114% (49-139) Conc.: 33.49363

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 5 | 52.67 | |
| + 2.87 | 2.89 | 2.91 | 4755.564 | 1.18102 | | | 1 |
| 2.87 | 2.91 | 2.91 | 6403.999 | 1.590401 | | | 1 |
| 3.19 | 3.23 | 3.23 | 7300.878 | 1.464837 | | | 2 |
| 3.39 | 3.40 | 3.43 | 2146.17 | 0.402798 | | | 3 |
| + 3.63 | 3.65 | 3.67 | 1087.503 | 0.233685 | | | 5 |
| 3.63 | 3.67 | 3.67 | 7702.666 | 1.655166 | | | 5 |
| 3.72 | 3.75 | 3.76 | 2300.218 | 0.575316 | | | 6 |
| Height Summation: | | | 25853.931 | | | | |
| Amount Avg CF: | | | | 1.137704 Linear: | | | |
| **Aroclor-1221** | | | | | 2 | 80.82 | |
| 2.81 | 2.82 | 2.85 | 5830.016 | 4.071638 | | | 2 |
| + 2.87 | 2.89 | 2.91 | 4755.564 | 0.824447 | | | 3 |
| 2.87 | 2.91 | 2.91 | 6403.999 | 1.110228 | | | 3 |
| Height Summation: | | | 12234.015 | | | | |
| Amount Avg CF: | | | | 2.590933 Linear: | | | |
| **Aroclor-1232** | | | | | 5 | 64.59 | |
| + 2.87 | 2.89 | 2.91 | 4755.564 | 0.841838 | | | 1 |
| 2.87 | 2.91 | 2.91 | 6403.999 | 1.133647 | | | 1 |
| 3.20 | 3.23 | 3.24 | 7300.878 | 2.706379 | | | 2 |
| 3.39 | 3.40 | 3.43 | 2146.17 | 0.746371 | | | 3 |
| + 3.63 | 3.65 | 3.67 | 1087.503 | 0.492584 | | | 5 |
| 3.63 | 3.67 | 3.67 | 7702.666 | 3.488921 | | | 5 |
| 3.72 | 3.75 | 3.76 | 2300.218 | 1.134437 | | | 6 |
| Height Summation: | | | 25853.931 | | | | |
| Amount Avg CF: | | | | 1.841951 Linear: | | | |
| **Aroclor-1242** | | | | | 5 | 52.70 | |
| + 2.87 | 2.89 | 2.91 | 4755.564 | 1.602895 | | | 1 |
| 2.87 | 2.91 | 2.91 | 6403.999 | 2.158511 | | | 1 |
| 3.20 | 3.23 | 3.24 | 7300.878 | 1.988159 | | | 2 |
| 3.39 | 3.40 | 3.43 | 2146.17 | 0.554015 | | | 3 |
| + 3.63 | 3.65 | 3.67 | 1087.503 | 0.322791 | | | 5 |
| 3.63 | 3.67 | 3.67 | 7702.666 | 2.286295 | | | 5 |
| 3.72 | 3.75 | 3.76 | 2300.218 | 0.783632 | | | 6 |
| Height Summation: | | | 25853.931 | | | | |
| Amount Avg CF: | | | | 1.554122 Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 107.20 | |
| + 3.50 | 3.52 | 3.54 | 1988.088 | 0.371163 | | | 1 |
| 3.50 | 3.54 | 3.54 | 2731.859 | 0.510021 | | | 1 |
| + 3.63 | 3.65 | 3.67 | 1087.503 | 0.167919 | | | 2 |
| 3.63 | 3.67 | 3.67 | 7702.666 | 1.189351 | | | 2 |
| 3.72 | 3.75 | 3.76 | 2300.218 | 0.486674 | | | 3 |
| 3.85 | 3.86 | 3.89 | 4953.771 | 0.55146 | | | 4 |
| 4.21 | 4.22 | 4.25 | 5956.172 | 1.470355 | | | 5 |
| 4.37 | 4.38 | 4.40 | 11008.09 | 4.533683 | | | 6 |
| Height Summation: | | | 34652.776 | | | | |
| Amount Avg CF: | | | | 1.456924 Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 9/13/16 ACF PBLK08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:31:29
Instrument : P 25--18274A
Result file : 25PCBS16207035.0007.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 71.05 | |
| 4.23 | 4.24 | 4.27 | 2103.288 | 0.691071 | | | 1 |
| + 4.23 | 4.27 | 4.27 | 1654.282 | 0.543542 | | | 1 |
| 4.58 | 4.59 | 4.62 | 5928.116 | 2.030156 | | | 2 |
| 4.64 | 4.65 | 4.68 | 4888.57 | 0.891589 | | | 3 |
| 4.77 | 4.78 | 4.81 | 9667.508 | 5.434045 | | | 4 |
| 4.86 | 4.86 | 4.90 | 19642.11 | 5.632669 | | | 5 |
| 5.06 | 5.07 | 5.10 | 11638 | 4.035715 | | | 6 |
| Height Summation: | | | **53867.592** | | | | |
| Amount Avg CF: | | | **3.119207** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 45.83 | |
| 4.76 | 4.78 | 4.80 | 9667.508 | 2.42837 | | | 1 |
| 4.96 | 4.98 | 5.00 | 28209.57 | 6.548651 | | | 2 |
| 5.23 | 5.25 | 5.27 | 23072.67 | 8.79918 | | | 3 |
| 5.40 | 5.41 | 5.44 | 22417 | 6.832695 | | | 4 |
| 5.64 | 5.65 | 5.68 | 41651.18 | 6.082192 | | | 5 |
| + 5.64 | 5.67 | 5.68 | 16882.85 | 2.46535 | | | 5 |
| 5.84 | 5.85 | 5.88 | 48415.68 | 12.398086 | | | 6 |
| Height Summation: | | | **173433.608** | | | | |
| Amount Avg CF: | | | **7.181529** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 42.70 | |
| 5.23 | 5.25 | 5.27 | 23072.67 | 4.914935 | | | 1 |
| 5.40 | 5.41 | 5.44 | 22417 | 5.478471 | | | 2 |
| 5.64 | 5.65 | 5.68 | 41651.18 | 4.463826 | | | 3 |
| + 5.64 | 5.67 | 5.68 | 16882.85 | 1.809363 | | | 3 |
| 5.84 | 5.85 | 5.88 | 48415.68 | 9.062873 | | | 4 |
| 5.90 | 5.91 | 5.94 | 33245.37 | 12.212348 | | | 5 |
| 6.28 | 6.29 | 6.32 | 36616.6 | 11.035329 | | | 6 |
| Height Summation: | | | **205418.5** | | | | |
| Amount Avg CF: | | | **7.861297** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 75.18 | |
| 5.84 | 5.85 | 5.88 | 48415.68 | 4.459589 | | | 1 |
| 5.90 | 5.91 | 5.94 | 33245.37 | 3.623734 | | | 2 |
| 6.03 | 6.04 | 6.07 | 47242.67 | 5.371476 | | | 3 |
| 6.10 | 6.11 | 6.14 | 40980.38 | 16.809395 | | | 4 |
| + 6.10 | 6.13 | 6.14 | 11398.5 | 4.675454 | | | 4 |
| 6.28 | 6.29 | 6.32 | 36616.6 | 9.716711 | | | 5 |
| 6.48 | 6.49 | 6.52 | 68866.5 | 2.67042 | | | 6 |
| Height Summation: | | | **275367.2** | | | | |
| Amount Avg CF: | | | **7.108554** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:31:29
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0007.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 93.52 | |
| 4.15 | 4.16 | 4.19 | 5191.072 | 0.709083 | | | 1 |
| 4.21 | 4.22 | 4.25 | 5956.172 | 0.46792 | | | 2 |
| 4.30 | 4.31 | 4.34 | 20624.08 | 3.43882 | | | 3 |
| 4.37 | 4.38 | 4.41 | 11008.09 | 1.360437 | | | 4 |
| 4.43 | 4.45 | 4.47 | 30607.99 | 6.307778 | | | 5 |
| 4.58 | 4.60 | 4.62 | 10514.66 | 1.860135 | | | 6 |
| Height Summation: | | | **83902.064** | | | | |
| Amount Avg CF: | | | **2.357362** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 55.14 | |
| 4.29 | 4.31 | 4.33 | 20624.08 | 2.124315 | | | 1 |
| 4.43 | 4.45 | 4.47 | 30607.99 | 2.785232 | | | 2 |
| 4.53 | 4.55 | 4.57 | 23687.87 | 2.58457 | | | 3 |
| 4.88 | 4.89 | 4.92 | 39383.91 | 5.391642 | | | 4 |
| 5.07 | 5.09 | 5.11 | 97431 | 6.017525 | | | 5 |
| 5.33 | 5.35 | 5.37 | 92953.31 | 8.56805 | | | 6 |
| Height Summation: | | | **304688.16** | | | | |
| Amount Avg CF: | | | **4.578556** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 35.04 | |
| 4.69 | 4.71 | 4.73 | 38455.09 | 3.092793 | | | 1 |
| 4.88 | 4.89 | 4.92 | 39383.91 | 3.104257 | | | 2 |
| 5.07 | 5.09 | 5.11 | 97431 | 4.184452 | | | 3 |
| 5.28 | 5.30 | 5.32 | 62442.28 | 6.504919 | | | 4 |
| 5.33 | 5.35 | 5.37 | 92953.31 | 5.850469 | | | 5 |
| 5.71 | 5.72 | 5.75 | 60322.63 | 7.066577 | | | 6 |
| Height Summation: | | | **390988.22** | | | | |
| Amount Avg CF: | | | **4.967245** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 91.89 | |
| 5.29 | 5.30 | 5.33 | 62442.28 | 2.186544 | | | 1 |
| 5.33 | 5.35 | 5.37 | 92953.31 | 3.362561 | | | 2 |
| 5.49 | 5.50 | 5.53 | 84194.25 | 3.475639 | | | 3 |
| 5.55 | 5.57 | 5.59 | 82798.86 | 14.233713 | | | 4 |
| 5.71 | 5.72 | 5.75 | 60322.63 | 6.156061 | | | 5 |
| 5.91 | 5.92 | 5.95 | 118416 | 1.469593 | | | 6 |
| Height Summation: | | | **501127.33** | | | | |
| Amount Avg CF: | | | **5.147352** | 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 | | 32.06 | 4 | 40 | |
| Aroclor-1221 | | | 51 | 15.3 | | ** 62.99 | 3 | 5 | |
| Aroclor-1232 | | | 51 | 12.3 | | 35.26 | 4 | 10 | |
| Aroclor-1242 | | | 51 | 12.3 | | 29.86 | 4 | 30 | |
| Aroclor-1248 | | | 51 | 9.9 | | 18.01 | 4 | 40 | |
| Aroclor-1254 | | | 51 | 13.2 | | 27.82 | 4 | 40 | |
| Aroclor-1260 | | | 51 | 11.7 | | ** 44.27 | 4 | 40 | |
| Aroclor-1262 | | | 51 | 9.9 | | ** 45.12 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name: BLANKA** 9/13/16 ACF PBLK08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 10:31:29 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0007.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 10:31:29 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0007.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 51 | 9.9 | | 32.00 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/13/16 ACF ABPBLK08257 BLK 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:31:29 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: 25pcbs16207035.0007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.021 | | 2705 | 2460 |
| 2.039 | | 3589 | 3689 |
| 2.089 | | 6508 | 5842 |
| 2.131 | | 181726 | 127224 |
| 2.2 | | 3257 | 1780 |
| 2.218 | | 19334 | 13674 |
| 2.31 | | 35876 | 22550 |
| 2.329 | | 7767 | 4354 |
| 2.389 | | 137718 | 90543 |
| 2.462 | | 2734 | 1798 |
| 2.503 | | 3885 | 4809 |
| 2.536 | | 1341 | 698 |
| 2.572 | | 1719 | 1487 |
| 2.657 | | 1828 | 1573 |
| 2.7 | | 6956 | 6576 |
| 2.734 | | 28266 | 22236 |
| 2.787 | | 1563 | 1020 |
| 2.813 | | 3801 | 3172 |
| 2.875 | | 5417 | 3638 |
| 2.927 | TCX | 4589178 | 2992043 |
| 3.11 | | 1050 | 754 |
| 3.129 | | 8944 | 5642 |
| 3.176 | | 2820 | 2011 |
| 3.201 | | 2372 | 1317 |
| 3.239 | | 2564 | 2148 |
| 3.261 | | 5200 | 3421 |
| 3.325 | | 1030 | 885 |
| 3.363 | | 924 | 974 |
| 3.406 | | 1285 | 886 |
| 3.495 | | 3360 | 5257 |
| 3.52 | | 3323 | 2365 |
| 3.57 | | 1203 | 1190 |
| 3.599 | | 3859 | 2884 |
| 3.671 | | 3576 | 3287 |
| 3.704 | | 1158 | 1641 |
| 3.749 | | 1578 | 1179 |
| 3.803 | | 2682 | 2021 |
| 3.835 | | 2629 | 2535 |
| 3.87 | | 1325 | 1041 |
| 3.911 | | 922 | 1003 |
| 3.996 | | 810 | 616 |
| 4.071 | | 859 | 937 |
| 4.096 | | 3128 | 2446 |
| 4.12 | | 1398 | 1400 |
| 4.158 | | 3647 | 3640 |
| 4.21 | | 15613 | 16065 |
| 4.244 | | 2103 | 1269 |
| 4.267 | | 1654 | 1067 |
| 4.317 | | 2332 | 2667 |
| 4.398 | | 2815 | 2518 |
| 4.473 | | 931 | 548 |
| 4.495 | | 2204 | 2489 |
| 4.538 | | 2507 | 2342 |
| 4.594 | | 5928 | 7014 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.655 | | 4889 | 4565 |
| 4.7 | | 4192 | 4081 |
| 4.738 | | 1877 | 1427 |
| 4.777 | | 9668 | 10009 |
| 4.863 | | 19642 | 21114 |
| 4.9 | | 9709 | 8110 |
| 4.978 | | 28210 | 32139 |
| 5.028 | | 5916 | 5549 |
| 5.07 | | 11638 | 14166 |
| 5.141 | | 15964 | 16541 |
| 5.186 | | 22315 | 24620 |
| 5.248 | | 23073 | 22722 |
| 5.291 | | 12107 | 22112 |
| 5.413 | | 22417 | 42996 |
| 5.472 | | 7321 | 6108 |
| 5.512 | | 4259 | 3454 |
| 5.551 | | 16158 | 15355 |
| 5.597 | | 6398 | 6432 |
| 5.652 | | 41651 | 34178 |
| 5.672 | | 16883 | 11097 |
| 5.769 | | 2348 | 2420 |
| 5.855 | | 48416 | 55758 |
| 5.912 | | 33245 | 49516 |
| 6.043 | | 47243 | 49627 |
| 6.11 | | 40980 | 36187 |
| 6.131 | | 11399 | 7717 |
| 6.29 | | 36617 | 37367 |
| 6.335 | | 1969 | 2322 |
| 6.491 | | 68867 | 71700 |
| 6.534 | | 1434 | 1096 |
| 6.638 | DCB | 2361409 | 2586944 |
| 6.903 | | 990 | 2877 |
| 6.951 | | 943 | 1551 |

LANCASTER LABORATORIES

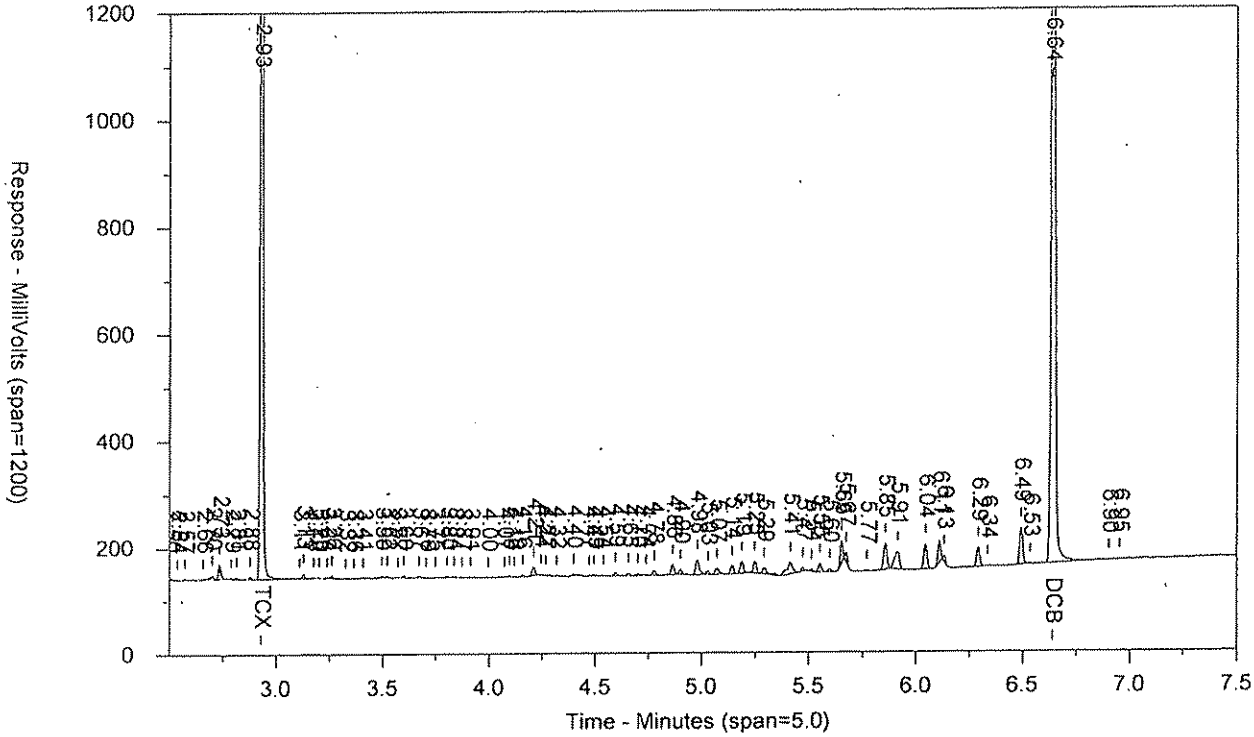
Sample Number: BLANKA 9/13/16 ACF ABPBLK08257 BLK 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:31:29 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.042 | | 14248 | 9998 |
| 2.103 | | 219558 | 132785 |
| 2.167 | | 3074 | 1498 |
| 2.186 | | 4312 | 2834 |
| 2.219 | | 4947 | 4625 |
| 2.27 | | 1667 | 1155 |
| 2.313 | | 3190 | 1634 |
| 2.344 | | 3702 | 4400 |
| 2.378 | | 10563 | 6179 |
| 2.421 | | 44132 | 24869 |
| 2.447 | | 6770 | 4583 |
| 2.485 | | 6268 | 3910 |
| 2.576 | | 7967 | 4153 |
| 2.6 | TCX | 8355533 | 4832617 |
| 2.719 | | 2740 | 1803 |
| 2.748 | | 2748 | 3794 |
| 2.798 | | 2320 | 2552 |
| 2.818 | | 5830 | 6904 |
| 2.885 | | 4756 | 2786 |
| 2.906 | | 6404 | 3416 |
| 2.932 | | 8713 | 6915 |
| 3.015 | | 1259 | 948 |
| 3.05 | | 2196 | 2435 |
| 3.09 | | 2593 | 1507 |
| 3.123 | | 4110 | 3527 |
| 3.169 | | 5760 | 4131 |
| 3.193 | | 2488 | 1724 |
| 3.231 | | 7301 | 5925 |
| 3.253 | | 2334 | 2216 |
| 3.307 | | 7046 | 8488 |
| 3.349 | | 5339 | 6777 |
| 3.397 | | 2146 | 2728 |
| 3.439 | | 1980 | 1422 |
| 3.518 | | 1988 | 1190 |
| 3.538 | | 2732 | 3369 |
| 3.581 | | 2700 | 4504 |
| 3.647 | | 1088 | 683 |
| 3.666 | | 7703 | 5681 |
| 3.695 | | 2483 | 1612 |
| 3.748 | | 2300 | 1695 |
| 3.82 | | 3300 | 2633 |
| 3.865 | | 4954 | 2940 |
| 3.89 | | 2388 | 1388 |
| 3.927 | | 30659 | 29740 |
| 3.963 | | 4249 | 2659 |
| 3.997 | | 4085 | 7188 |
| 4.059 | | 7251 | 6127 |
| 4.096 | | 2690 | 2648 |
| 4.137 | | 7182 | 4855 |
| 4.161 | | 5191 | 3487 |
| 4.221 | | 5956 | 3367 |
| 4.261 | | 2896 | 2792 |
| 4.313 | | 20624 | 16147 |
| 4.341 | | 2164 | 2539 |

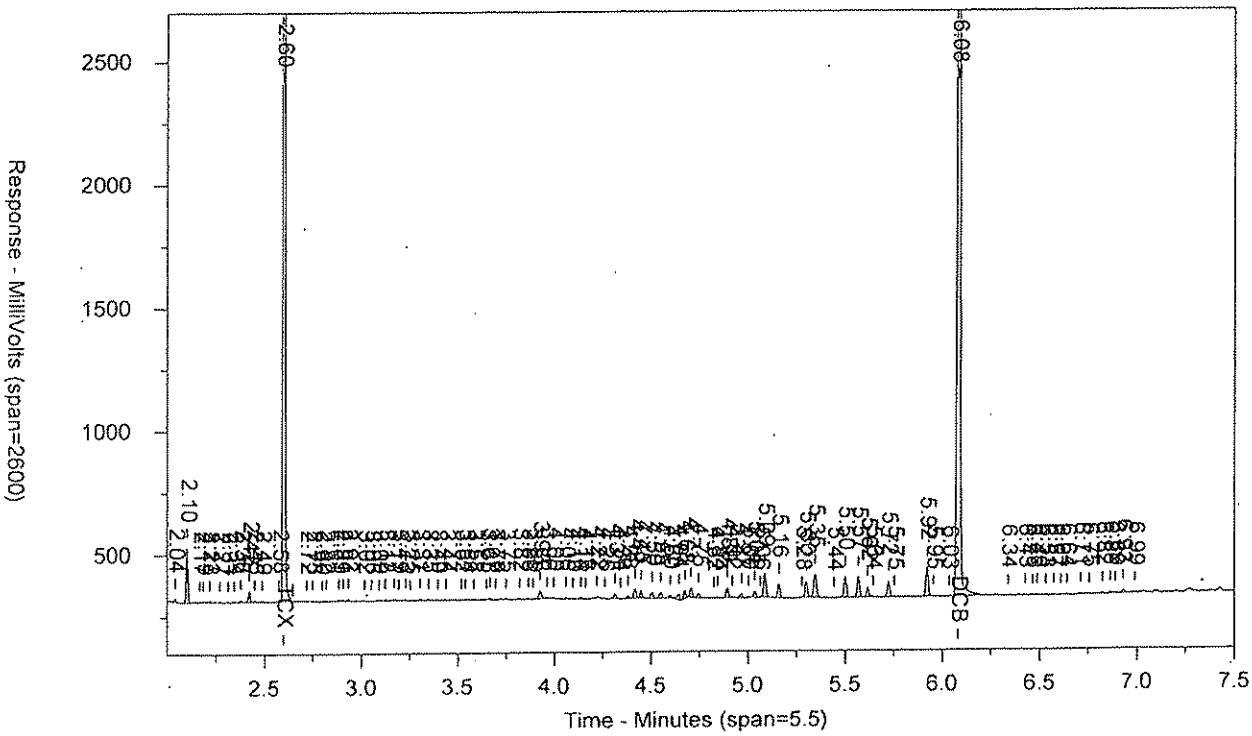
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 4.381 | | 11008 | 7466 |
| 4.416 | | 36375 | 35626 |
| 4.448 | | 30608 | 22690 |
| 4.504 | | 25182 | 18779 |
| 4.55 | | 23688 | 22652 |
| 4.599 | | 10515 | 8579 |
| 4.643 | | 21419 | 22215 |
| 4.675 | | 32287 | 27694 |
| 4.707 | | 38455 | 29991 |
| 4.745 | | 19358 | 15373 |
| 4.823 | | 1782 | 1121 |
| 4.842 | | 6460 | 5543 |
| 4.894 | | 39384 | 31096 |
| 4.917 | | 5726 | 3596 |
| 4.966 | | 18181 | 18535 |
| 5.002 | | 6610 | 4756 |
| 5.035 | | 24714 | 20726 |
| 5.064 | | 2443 | 1389 |
| 5.085 | | 97431 | 81024 |
| 5.158 | | 55685 | 49191 |
| 5.277 | | 2538 | 1596 |
| 5.299 | | 62442 | 50890 |
| 5.346 | | 92953 | 93139 |
| 5.442 | | 1401 | 1671 |
| 5.499 | | 84194 | 70186 |
| 5.567 | | 82799 | 72666 |
| 5.615 | | 37911 | 29481 |
| 5.642 | | 2492 | 1577 |
| 5.722 | | 60323 | 51241 |
| 5.753 | | 2935 | 1816 |
| 5.92 | | 118416 | 96977 |
| 5.954 | | 1753 | 1075 |
| 6.034 | | 1029 | 983 |
| 6.08 | DCB | 6371754 | 5481828 |
| 6.338 | | 1030 | 1401 |
| 6.425 | | 3867 | 4010 |
| 6.463 | | 2308 | 1990 |
| 6.487 | | 2733 | 2463 |
| 6.532 | | 1932 | 1379 |
| 6.572 | | 2979 | 4158 |
| 6.609 | | 2061 | 2184 |
| 6.639 | | 2303 | 3918 |
| 6.711 | | 4933 | 5527 |
| 6.755 | | 1718 | 1813 |
| 6.823 | | 5606 | 8665 |
| 6.861 | | 6597 | 7439 |
| 6.889 | | 3412 | 3068 |
| 6.927 | | 13023 | 13537 |
| 6.99 | | 1920 | 3733 |

BLANKA 9/13/16 ACF ABPBLK08257 BLK 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0007.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0007.RAW



LANCASTER LABORATORIES

Sample Number: BLANKA 9/13/16 ACF ABPBLK08257 BLK 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:31:29 AM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

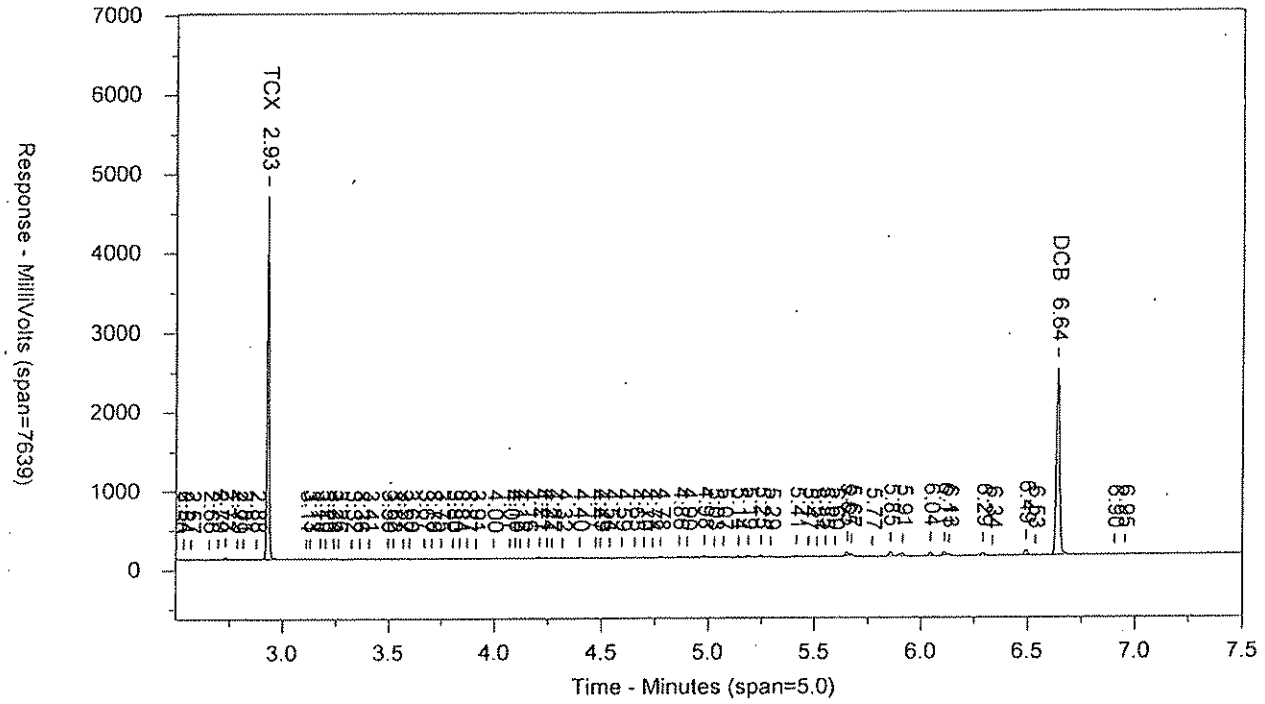
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.927 | 4589178 | 33.92 | TCX | 2.6 | 8355533 | 34.019 | TCX |
| 6.638 | 2361409 | 35.328 | DCB | 6.08 | 6371754 | 33.494 | DCB |

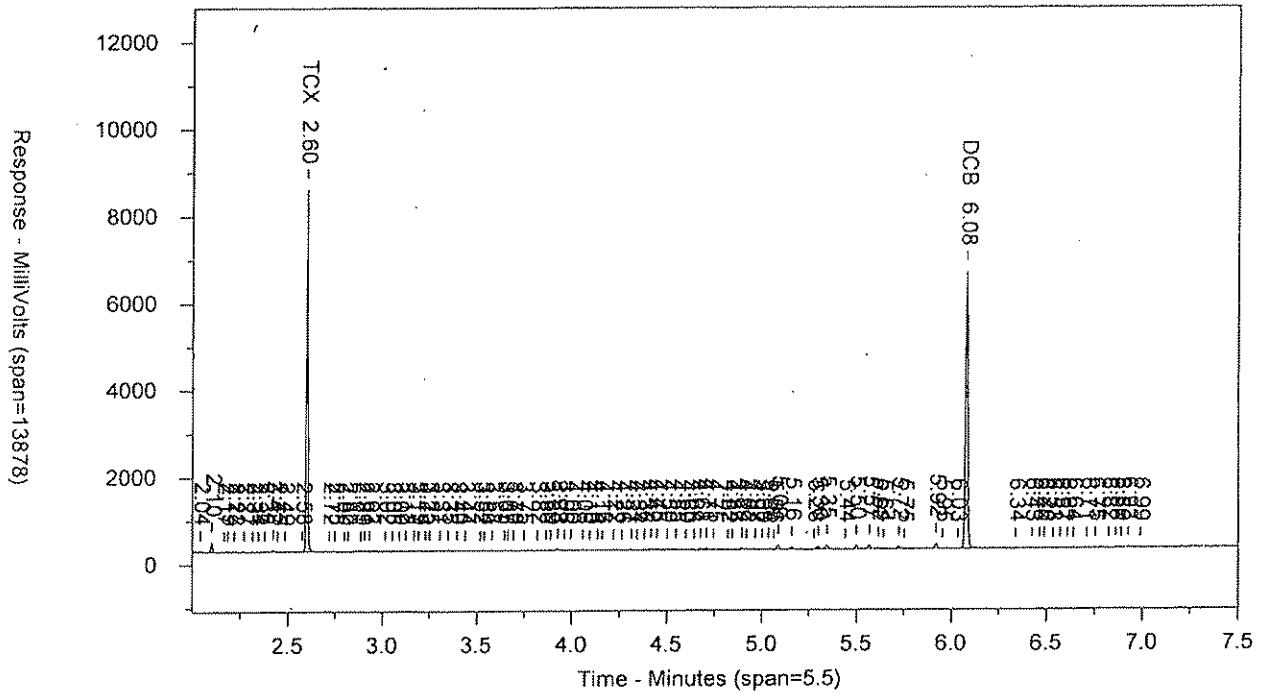
Files:
Area File: 25pcbs16207035.0007.RAW
Area File: 25pcbs16207035B.0007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 10:40:01 AM
File Reported On: 9/15/2016 at 10:40:09 AM

BLANKA 9/13/16 ACF ABPBLK08257 BLK 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0007.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0007.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: LCSA** 9/13/16 ACF LCS08257 LCS Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:42:42 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0008.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

%SSR(TCX) 109% ( 46 - 148 ) Conc: 31.94569
%SSR(DCB) 122% ( 49 - 139 ) Conc: 35.60788

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 10:42:42 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0008.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

%SSR(TCX) 112% ( 46 - 148 ) Conc: 32.7904
%SSR(DCB) 118% ( 49 - 139 ) Conc: 34.62494

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **3.50** | |
| 3.17 | 3.19 | 3.21 | 1029670 | 449.731193 | | | 1 |
| 3.39 | 3.40 | 3.43 | 1076224 | 478.190902 | | | 2 |
| 3.51 | 3.52 | 3.55 | 1291144 | 472.148088 | | | 3 |
| 3.73 | 3.74 | 3.77 | 1545180 | 498.428183 | | | 4 |
| 3.79 | 3.80 | 3.83 | 1265635 | 479.405853 | | | 5 |
| 3.98 | 3.99 | 4.02 | 998015.3 | 490.059362 | | | 6 |
| Height summation: | | | **7205868.3** | | | | |
| Concentration | | CF: | **477.99393** | L: | | | |
| **Aroclor-1260** | | | | | | **7.79** | |
| 4.76 | 4.77 | 4.80 | 2102015 | 528.002787 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2358951 | 547.61369 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1411961 | 538.476834 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1524200 | 464.57572 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3975300 | 580.500679 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2249396 | 576.015958 | | | 6 |
| Height summation: | | | **13621823** | | | | |
| Concentration | | CF: | **539.197611** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **3.21** | |
| 2.87 | 2.88 | 2.91 | 1962894 | 487.474846 | | | 1 |
| 3.19 | 3.21 | 3.23 | 2486757 | 498.939244 | | | 2 |
| 3.39 | 3.40 | 3.43 | 2654311 | 498.16659 | | | 3 |
| 3.46 | 3.48 | 3.50 | 2865565 | 523.303048 | | | 4 |
| 3.63 | 3.64 | 3.67 | 2394626 | 514.562546 | | | 5 |
| 3.72 | 3.73 | 3.76 | 2116953 | 529.479375 | | | 6 |
| Height summation: | | | **14481106** | | | | |
| Concentration | | CF: | **508.654275** | L: | | | |
| **Aroclor-1260** | | | | | | **4.33** | |
| 4.29 | 4.31 | 4.33 | 5221902 | 537.86463 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6265845 | 570.172365 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4921778 | 537.012372 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4099529 | 561.223899 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9758308 | 602.691789 | | | 5 |
| 5.33 | 5.34 | 5.37 | 6169708 | 568.698049 | | | 6 |
| Height summation: | | | **36437070** | | | | |
| Concentration | | CF: | **562.943851** | L: | | | |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ PCB-1016 | B | 508.654275 | 51 | 9.9 | | 6.22 | 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 | 562.943851 | 51 | 11.7 | | 4.31 | 4 | |
| ☐ PCB-1262 | | | <51 | <9.9 | | | 4 | |
| ☐ PCB-1268 | | | <51 | <9.9 | | | 4 | |
| ☐ Total PCBs | A | 1071.598126 | 51 | 9.9 | | | | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 4322090 | 31.94569 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 8053725 | 32.7904 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 2380134 | 35.60788 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 6586970 | 34.62494 |

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: LCSA** 9/13/16 ACF LCS08257 LCS Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 10:42:42 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0008.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 10:42:42 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0008.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | B | 32.7904 | | | | 2.61 | |
| ☐ Decachlorobiphenyl | A | 35.60788 | | | | 2.80 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomayko, Principal Specialist
Date: SEP 15 2016

9/15/2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA** 9/13/16 ACF LCS08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274A
Result file : 25PCBS16207035.0008.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 109% (46-148) Conc.: 31.94569
%SSR(DCB) : 122% (49-139) Conc.: 35.60788

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 3.50 | |
| 3.17 | 3.19 | 3.21 | 1029670 | 449.731193 | | | 1 |
| 3.39 | 3.40 | 3.43 | 1076224 | 478.190902 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 492427.7 | 218.796873 | | | 2 |
| 3.51 | 3.52 | 3.55 | 1291144 | 472.148088 | | | 3 |
| 3.73 | 3.74 | 3.77 | 1545180 | 498.428183 | | | 4 |
| 3.79 | 3.80 | 3.83 | 1265635 | 479.405853 | | | 5 |
| 3.98 | 3.99 | 4.02 | 998015.3 | 490.059362 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 333807.3 | 163.910706 | | | 6 |
| Height Summation: | | | 7205868.3 | | | | |
| Amount Avg CF: | | | 477.99393 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 35.11 | |
| 3.07 | 3.08 | 3.11 | 186800.8 | 159.119565 | | | 1 |
| E 3.13 | 3.14 | 3.17 | 229498.4 | 232.25527 | | | 2 |
| E 3.17 | 3.19 | 3.21 | 1029670 | 326.759553 | | | 3 |
| Height Summation: | | | 1445969.2 | | | | |
| Amount Avg CF: | | | 239.378129 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 29.17 | |
| E 3.17 | 3.19 | 3.21 | 1029670 | 336.402218 | | | 1 |
| E 3.39 | 3.40 | 3.43 | 1076224 | 860.641828 | | | 2 |
| E+ 3.39 | 3.42 | 3.43 | 492427.7 | 393.787795 | | | 2 |
| E 3.51 | 3.52 | 3.55 | 1291144 | 847.032274 | | | 3 |
| E 3.73 | 3.74 | 3.77 | 1545180 | 910.780439 | | | 4 |
| E 3.79 | 3.80 | 3.83 | 1265635 | 886.867285 | | | 5 |
| E 3.99 | 3.99 | 4.02 | 998015.3 | 987.493556 | | | 6 |
| E+ 3.99 | 4.01 | 4.02 | 333807.3 | 330.288081 | | | 6 |
| Height Summation: | | | 7205868.3 | | | | |
| Amount Avg CF: | | | 804.8696 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 4.78 | |
| E 3.17 | 3.19 | 3.21 | 1029670 | 615.409902 | | | 1 |
| E 3.39 | 3.40 | 3.43 | 1076224 | 682.783604 | | | 2 |
| E+ 3.39 | 3.42 | 3.43 | 492427.7 | 312.408532 | | | 2 |
| E 3.51 | 3.52 | 3.55 | 1291144 | 658.84274 | | | 3 |
| E 3.73 | 3.74 | 3.77 | 1545180 | 707.537256 | | | 4 |
| E 3.79 | 3.80 | 3.83 | 1265635 | 671.41906 | | | 5 |
| E 3.98 | 3.99 | 4.02 | 998015.3 | 691.6948 | | | 6 |
| E+ 3.98 | 4.01 | 4.02 | 333807.3 | 231.351938 | | | 6 |
| Height Summation: | | | 7205868.3 | | | | |
| Amount Avg CF: | | | 671.281227 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 60.20 | |
| E 3.79 | 3.80 | 3.83 | 1265635 | 846.078871 | | | 1 |
| 3.85 | 3.86 | 3.89 | 868531 | 343.66154 | | | 2 |
| + 3.85 | 3.89 | 3.89 | 666153.6 | 263.584573 | | | 2 |
| 3.98 | 3.99 | 4.02 | 998015.3 | 346.122935 | | | 3 |
| + 3.98 | 4.01 | 4.02 | 333807.3 | 115.768127 | | | 3 |
| 4.07 | 4.08 | 4.11 | 968857.3 | 412.139329 | | | 4 |
| + 4.25 | 4.26 | 4.29 | 251114.6 | 101.291372 | | | 5 |
| 4.25 | 4.28 | 4.29 | 281159.8 | 113.410617 | | | 5 |
| 4.64 | 4.65 | 4.68 | 618614.2 | 341.86291 | | | 6 |
| Height Summation: | | | 5000812.6 | | | | |
| Amount Avg CF: | | | 400.546034 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0008.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 112% (46-148) Conc.: 32.7904
%SSR(DCB) : 118% (49-139) Conc.: 34.62494

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 3.21 | |
| 2.87 | 2.88 | 2.91 | 1962894 | 487.474846 | | | 1 |
| 3.19 | 3.21 | 3.23 | 2486757 | 498.939244 | | | 2 |
| 3.39 | 3.40 | 3.43 | 2654311 | 498.16659 | | | 3 |
| 3.46 | 3.48 | 3.50 | 2865565 | 523.303048 | | | 4 |
| 3.63 | 3.64 | 3.67 | 2394626 | 514.562546 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 918939.1 | 197.463672 | | | 5 |
| 3.72 | 3.73 | 3.76 | 2116953 | 529.479375 | | | 6 |
| Height Summation: | | | 14481106 | | | | |
| Amount Avg CF: | | | 508.654275 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 34.22 | |
| 2.75 | 2.77 | 2.79 | 370762.9 | 165.002047 | | | 1 |
| E 2.81 | 2.83 | 2.85 | 380750.9 | 265.913497 | | | 2 |
| E 2.87 | 2.88 | 2.91 | 1962894 | 340.296644 | | | 3 |
| Height Summation: | | | 2714407.8 | | | | |
| Amount Avg CF: | | | 257.07073 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 30.74 | |
| E 2.87 | 2.88 | 2.91 | 1962894 | 347.47483 | | | 1 |
| E 3.20 | 3.21 | 3.24 | 2486757 | 921.82173 | | | 2 |
| E 3.39 | 3.40 | 3.43 | 2654311 | 923.086099 | | | 3 |
| E 3.47 | 3.48 | 3.51 | 2865565 | 1015.718377 | | | 4 |
| E 3.63 | 3.64 | 3.67 | 2394626 | 1084.645454 | | | 5 |
| E+ 3.63 | 3.66 | 3.67 | 918939.1 | 416.233314 | | | 5 |
| E 3.72 | 3.73 | 3.76 | 2116953 | 1044.052909 | | | 6 |
| Height Summation: | | | 14481106 | | | | |
| Amount Avg CF: | | | 889.466566 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 5.25 | |
| E 2.87 | 2.88 | 2.91 | 1962894 | 661.606547 | | | 1 |
| E 3.20 | 3.21 | 3.24 | 2486757 | 677.18821 | | | 2 |
| E 3.39 | 3.40 | 3.43 | 2654311 | 685.187714 | | | 3 |
| E 3.47 | 3.48 | 3.51 | 2865565 | 764.079353 | | | 4 |
| E 3.63 | 3.64 | 3.67 | 2394626 | 710.76977 | | | 5 |
| E+ 3.63 | 3.66 | 3.67 | 918939.1 | 272.758306 | | | 5 |
| E 3.72 | 3.73 | 3.76 | 2116953 | 721.197617 | | | 6 |
| Height Summation: | | | 14481106 | | | | |
| Amount Avg CF: | | | 703.338202 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 13.52 | |
| + 3.50 | 3.51 | 3.54 | 1972134 | 368.184783 | | | 1 |
| 3.50 | 3.54 | 3.54 | 2207194 | 412.068979 | | | 1 |
| 3.63 | 3.64 | 3.67 | 2394626 | 369.748576 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 918939.1 | 141.891228 | | | 2 |
| 3.72 | 3.73 | 3.76 | 2116953 | 447.899215 | | | 3 |
| 3.85 | 3.86 | 3.89 | 2776704 | 309.105943 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 558977.6 | 62.226041 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 573761.1 | 141.640023 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1772985 | 437.683274 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 473314.7 | 194.934713 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1076781 | 443.472378 | | | 6 |
| Height Summation: | | | 12345243 | | | | |
| Amount Avg CF: | | | 403.329727 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA** 9/13/16 ACF LCS08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274A
Result file : 25PCBS16207035.0008.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 115.14 | |
| 4.23 | 4.24 | 4.27 | 975933.4 | 320.659307 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 251114.6 | 82.507919 | | | 1 |
| + 4.58 | 4.59 | 4.62 | 67558.66 | 23.136291 | | | 2 |
| 4.58 | 4.60 | 4.62 | 209563.6 | 71.767624 | | | 2 |
| 4.64 | 4.65 | 4.68 | 618614.2 | 112.824318 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 2102015 | 1181.529266 | | | 4 |
| 4.86 | 4.86 | 4.90 | 316770.7 | 90.838742 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 29319.34 | 8.40776 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1241214 | 430.416406 | | | 6 |
| Height Summation: | | | **5464110.9** | | | | |
| Amount Avg CF: | | | **368.005944** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 7.79 | |
| 4.76 | 4.77 | 4.80 | 2102015 | 528.002787 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2358951 | 547.61369 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1411961 | 538.476834 | | | 3 |
| 5.40 | 5.41 | 5.44 | 1524200 | 464.57572 | | | 4 |
| 5.64 | 5.65 | 5.68 | 3975300 | 580.500679 | | | 5 |
| 5.84 | 5.85 | 5.88 | 2249396 | 576.015958 | | | 6 |
| Height Summation: | | | **13621823** | | | | |
| Amount Avg CF: | | | **539.197611** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 22.86 | |
| E 5.23 | 5.24 | 5.27 | 1411961 | 300.775605 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 1524200 | 372.497914 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 3975300 | 426.039498 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 2249396 | 421.061735 | | | 4 |
| E 5.90 | 5.91 | 5.94 | 629405.2 | 231.205591 | | | 5 |
| E 6.28 | 6.28 | 6.32 | 979594.7 | 295.225376 | | | 6 |
| Height Summation: | | | **10769856.9** | | | | |
| Amount Avg CF: | | | **341.134286** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 87.82 | |
| E 5.84 | 5.85 | 5.88 | 2249396 | 207.192811 | | | 1 |
| 5.90 | 5.91 | 5.94 | 629405.2 | 68.604957 | | | 2 |
| 6.03 | 6.04 | 6.07 | 84266.13 | 9.581031 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 80661.72 | 33.085947 | | | 4 |
| 6.10 | 6.13 | 6.14 | 406019.8 | 166.541821 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 979594.7 | 259.948732 | | | 5 |
| 6.48 | 6.49 | 6.52 | 290505.8 | 11.264875 | | | 6 |
| Height Summation: | | | **4639187.63** | | | | |
| Amount Avg CF: | | | **120.522371** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0008.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 118.35 | |
| 4.15 | 4.16 | 4.19 | 576105.6 | 78.694058 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 573761.1 | 45.074976 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1772985 | 139.286641 | | | 2 |
| 4.30 | 4.31 | 4.34 | 5221902 | 870.690149 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 473314.7 | 58.494687 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1076781 | 133.074185 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6265845 | 1291.282494 | | | 5 |
| 4.58 | 4.60 | 4.62 | 607740.8 | 107.514624 | | | 6 |
| Height Summation: | | | **15521359.4** | | | | |
| Amount Avg CF: | | | **436.757025** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 4.33 | |
| 4.29 | 4.31 | 4.33 | 5221902 | 537.86463 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6265845 | 570.172365 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4921778 | 537.012372 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4099529 | 561.223899 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 467463.9 | 63.995623 | | | 4 |
| 5.07 | 5.08 | 5.11 | 9758308 | 602.691789 | | | 5 |
| 5.33 | 5.34 | 5.37 | 6169708 | 560.698049 | | | 6 |
| Height Summation: | | | **36437070** | | | | |
| Amount Avg CF: | | | **562.943851** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 27.20 | |
| E 4.69 | 4.70 | 4.73 | 3126912 | 251.485329 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4099529 | 323.126665 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 467463.9 | 36.845709 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 9758308 | 419.098396 | | | 3 |
| 5.28 | 5.30 | 5.32 | 1863177 | 194.096303 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 6169708 | 388.320626 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 2443109 | 286.20133 | | | 6 |
| Height Summation: | | | **27460743** | | | | |
| Amount Avg CF: | | | **310.388108** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 115.97 | |
| 5.29 | 5.30 | 5.33 | 1863177 | 65.242944 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 6169708 | 223.187533 | | | 2 |
| 5.49 | 5.50 | 5.53 | 162235.1 | 6.697257 | | | 3 |
| 5.55 | 5.56 | 5.59 | 132472 | 22.772879 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 2443109 | 249.324822 | | | 5 |
| 5.91 | 5.92 | 5.95 | 624351.9 | 7.748474 | | | 6 |
| Height Summation: | | | **11395053** | | | | |
| Amount Avg CF: | | | **95.828985** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 51 | 9.9 | | 6.22 | 4 | 40 | |
| Aroclor-1221 | | | 51 | 15.3 | E | 7.13 | 3 | 5 | |
| Aroclor-1232 | | | 51 | 12.3 | E | 9.99 | 4 | 10 | |
| Aroclor-1242 | | | 51 | 12.3 | E | 4.66 | 4 | 30 | |
| Aroclor-1248 | | | 51 | 9.9 | E | 0.69 | 4 | 40 | |
| Aroclor-1254 | | | 51 | 13.2 | E | 17.09 | 4 | 40 | |
| Aroclor-1260 | | | 51 | 11.7 | | 4.31 | 4 | 40 | |
| Aroclor-1262 | | | 51 | 9.9 | E | 9.44 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **LCSA** 9/13/16 ACF LCS08257 Sample ID: AB **Batchnumber: 162570008A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274A
Result file : 25PCBS16207035.0008.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 15, 2016 10:42:42
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0008.RAW
Calibration file : 25PCBS1620701B.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-1268 | | | 51 | 9.9 | E | 22.83 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/13/16 ACF ABLCS08257 LCS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:42:42 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: 25pcbs16207035.0008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.002 | | 1589 | 504 |
| 2.038 | | 9220 | 8919 |
| 2.086 | | 9607 | 10033 |
| 2.105 | | 6604 | 3460 |
| 2.129 | | 238528 | 181314 |
| 2.186 | | 4326 | 5700 |
| 2.217 | | 20613 | 14368 |
| 2.308 | | 46037 | 29758 |
| 2.328 | | 7101 | 3869 |
| 2.357 | | 2301 | 1382 |
| 2.388 | | 186481 | 127603 |
| 2.457 | | 3881 | 5001 |
| 2.476 | | 3533 | 1812 |
| 2.501 | | 3184 | 2896 |
| 2.536 | | 3807 | 2250 |
| 2.566 | | 15997 | 10713 |
| 2.617 | | 3141 | 1931 |
| 2.654 | | 2594 | 2749 |
| 2.698 | | 7650 | 5552 |
| 2.741 | | 44886 | 47674 |
| 2.783 | | 2411 | 2029 |
| 2.81 | | 2370 | 2887 |
| 2.874 | | 7820 | 5647 |
| 2.925 | TCX | 4322090 | 2886775 |
| 3.08 | | 186801 | 160091 |
| 3.137 | | 229498 | 163871 |
| 3.186 | | 1029670 | 729181 |
| 3.236 | | 2365 | 1787 |
| 3.259 | | 3640 | 1858 |
| 3.279 | | 140175 | 95725 |
| 3.318 | | 4832 | 3040 |
| 3.362 | | 1059 | 1922 |
| 3.402 | | 1076224 | 649359 |
| 3.419 | | 492428 | 268911 |
| 3.456 | | 145821 | 126096 |
| 3.489 | | 94792 | 56505 |
| 3.519 | | 1291144 | 953517 |
| 3.554 | | 6714 | 3732 |
| 3.569 | | 5265 | 2433 |
| 3.593 | | 64587 | 43168 |
| 3.63 | | 379681 | 451264 |
| 3.69 | | 621221 | 329722 |
| 3.702 | | 1464284 | 745967 |
| 3.738 | | 1545181 | 1146120 |
| 3.797 | | 1265635 | 1002327 |
| 3.836 | | 107983 | 79060 |
| 3.864 | | 868531 | 636292 |
| 3.891 | | 666154 | 549970 |
| 3.913 | | 204266 | 112491 |
| 3.989 | | 998015 | 712862 |
| 4.013 | | 333807 | 213675 |
| 4.043 | | 380960 | 279683 |
| 4.08 | | 968857 | 997825 |
| 4.12 | | 314472 | 259952 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.166 | | 48226 | 35200 |
| 4.205 | | 66255 | 60874 |
| 4.239 | | 975933 | 726587 |
| 4.26 | | 251115 | 148772 |
| 4.284 | | 281160 | 201315 |
| 4.351 | | 157905 | 135207 |
| 4.394 | | 964932 | 894336 |
| 4.428 | | 27756 | 17190 |
| 4.469 | | 1008 | 571 |
| 4.492 | | 13353 | 10587 |
| 4.533 | | 113438 | 116966 |
| 4.589 | | 67559 | 57521 |
| 4.603 | | 209564 | 141576 |
| 4.649 | | 618614 | 556943 |
| 4.694 | | 919089 | 1037028 |
| 4.732 | | 221201 | 166205 |
| 4.772 | | 2102015 | 1946818 |
| 4.813 | | 11760 | 11643 |
| 4.863 | | 316771 | 360293 |
| 4.893 | | 29319 | 18314 |
| 4.919 | | 364480 | 347971 |
| 4.973 | | 2358951 | 3000165 |
| 5.022 | | 468114 | 415542 |
| 5.066 | | 1241214 | 1369965 |
| 5.109 | | 20374 | 11253 |
| 5.145 | | 237771 | 285870 |
| 5.181 | | 2949974 | 3204039 |
| 5.244 | | 1411961 | 1289377 |
| 5.287 | | 921791 | 885232 |
| 5.385 | | 92853 | 109534 |
| 5.408 | | 1524200 | 1394121 |
| 5.466 | | 779502 | 761059 |
| 5.507 | | 408628 | 380472 |
| 5.547 | | 114917 | 110097 |
| 5.591 | | 598304 | 589960 |
| 5.648 | | 3975300 | 4362185 |
| 5.854 | | 2249396 | 2341856 |
| 5.907 | | 629405 | 1231301 |
| 6.039 | | 84266 | 86802 |
| 6.104 | | 80662 | 59867 |
| 6.127 | | 406020 | 375720 |
| 6.192 | | 1071 | 4884 |
| 6.284 | | 979595 | 1030713 |
| 6.33 | | 71335 | 68130 |
| 6.485 | | 290506 | 323638 |
| 6.632 | DCB | 2380134 | 2540467 |
| 6.945 | | 1675 | 7443 |

LANCASTER LABORATORIES

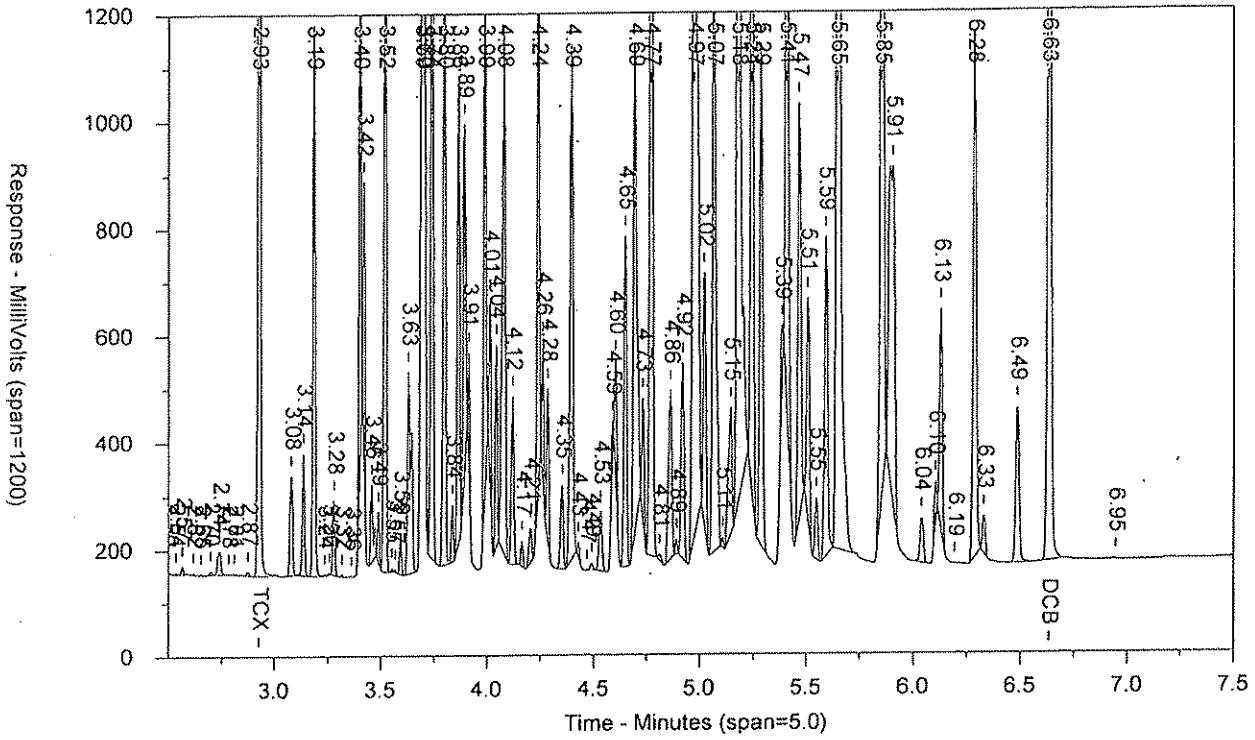
Sample Number: LCSA 9/13/16 ACF ABLCS08257 LCS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:42:42 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs16207035B.0008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.021 | | 5837 | 4456 |
| 2.042 | | 13544 | 8599 |
| 2.069 | | 4017 | 2139 |
| 2.103 | | 298407 | 185539 |
| 2.129 | | 6735 | 3631 |
| 2.173 | | 6850 | 5299 |
| 2.186 | | 5192 | 2116 |
| 2.221 | | 7011 | 4860 |
| 2.253 | | 2719 | 1779 |
| 2.286 | | 20504 | 18714 |
| 2.323 | | 2706 | 1149 |
| 2.34 | | 5001 | 5048 |
| 2.378 | | 12068 | 8436 |
| 2.42 | | 52579 | 30977 |
| 2.446 | | 57622 | 30579 |
| 2.469 | | 4450 | 2502 |
| 2.517 | | 2313 | 1037 |
| 2.538 | | 1966 | 1100 |
| 2.556 | | 4178 | 2059 |
| 2.576 | | 11486 | 6070 |
| 2.599 | TCX | 8053725 | 4644556 |
| 2.643 | | 155917 | 112869 |
| 2.679 | | 4021 | 5984 |
| 2.72 | | 5687 | 3880 |
| 2.77 | | 370763 | 242212 |
| 2.831 | | 380751 | 234000 |
| 2.883 | | 1962894 | 1172846 |
| 2.932 | | 12901 | 12404 |
| 2.993 | | 256239 | 153077 |
| 3.025 | | 3703 | 2866 |
| 3.051 | | 2141 | 1573 |
| 3.089 | | 2558430 | 2349241 |
| 3.14 | | 290871 | 177045 |
| 3.162 | | 138746 | 77990 |
| 3.187 | | 201532 | 109658 |
| 3.211 | | 2486757 | 1600739 |
| 3.248 | | 91956 | 52332 |
| 3.294 | | 656191 | 336669 |
| 3.31 | | 368373 | 177391 |
| 3.37 | | 5284931 | 5234608 |
| 3.403 | | 2654311 | 1703349 |
| 3.478 | | 2865565 | 1724561 |
| 3.513 | | 1972134 | 1189795 |
| 3.537 | | 2207194 | 1185913 |
| 3.555 | | 693585 | 347132 |
| 3.64 | | 2394626 | 1513659 |
| 3.663 | | 918939 | 493252 |
| 3.684 | | 853244 | 484834 |
| 3.713 | | 595249 | 303947 |
| 3.73 | | 2116953 | 1219961 |
| 3.77 | | 703025 | 480065 |
| 3.817 | | 108443 | 91976 |
| 3.839 | | 527539 | 313337 |
| 3.86 | | 2776704 | 1736092 |

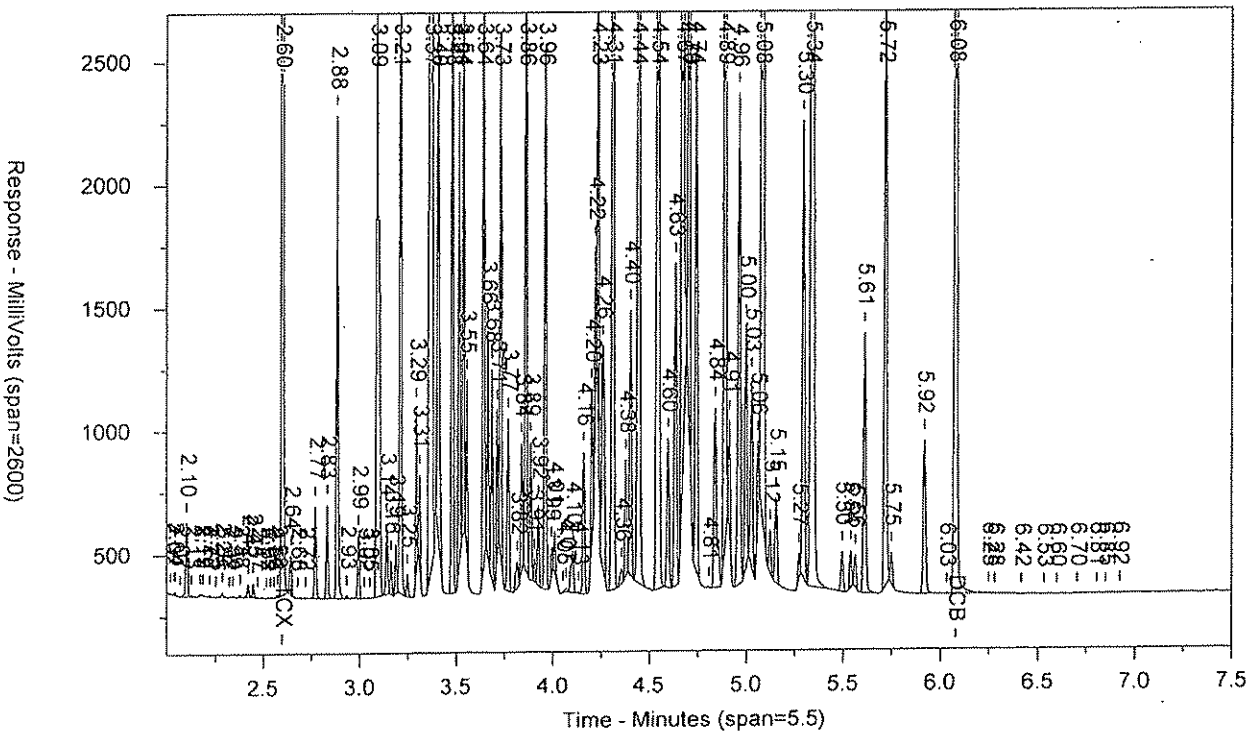
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.886 | | 558978 | 331155 |
| 3.905 | | 91508 | 44087 |
| 3.925 | | 323591 | 195400 |
| 3.959 | | 2209858 | 1431119 |
| 3.992 | | 110927 | 61663 |
| 4.007 | | 168369 | 101161 |
| 4.052 | | 6210 | 3187 |
| 4.068 | | 16029 | 10122 |
| 4.102 | | 165640 | 167919 |
| 4.133 | | 7998 | 3984 |
| 4.158 | | 576106 | 389971 |
| 4.2 | | 619473 | 367583 |
| 4.218 | | 573761 | 292631 |
| 4.231 | | 1772985 | 941190 |
| 4.256 | | 901065 | 891666 |
| 4.308 | | 5221902 | 3770434 |
| 4.355 | | 63221 | 54676 |
| 4.377 | | 473315 | 306398 |
| 4.402 | | 1076781 | 779543 |
| 4.443 | | 6265845 | 4527480 |
| 4.545 | | 4921779 | 4582392 |
| 4.597 | | 607741 | 488176 |
| 4.635 | | 1314951 | 1075826 |
| 4.671 | | 6345757 | 5054152 |
| 4.703 | | 3126912 | 2139538 |
| 4.741 | | 2123764 | 1589743 |
| 4.809 | | 5416 | 5552 |
| 4.838 | | 732050 | 702814 |
| 4.889 | | 4099529 | 3084377 |
| 4.912 | | 467464 | 290874 |
| 4.962 | | 1998801 | 1754556 |
| 4.998 | | 986026 | 773114 |
| 5.027 | | 768156 | 598489 |
| 5.059 | | 313143 | 187981 |
| 5.081 | | 9758308 | 7755150 |
| 5.122 | | 173354 | 128385 |
| 5.154 | | 344322 | 279107 |
| 5.272 | | 101358 | 64072 |
| 5.296 | | 1863177 | 1492369 |
| 5.339 | | 6169708 | 6352137 |
| 5.495 | | 162235 | 132095 |
| 5.54 | | 148136 | 107539 |
| 5.564 | | 132472 | 93327 |
| 5.611 | | 1060351 | 880782 |
| 5.719 | | 2443109 | 1973052 |
| 5.75 | | 127659 | 91781 |
| 5.917 | | 624352 | 544471 |
| 6.031 | | 1459 | 1352 |
| 6.077 | DCB | 6586970 | 5407170 |
| 6.25 | | 2408 | 1488 |
| 6.279 | | 1785 | 1294 |
| 6.417 | | 1272 | 2105 |
| 6.531 | | 972 | 1039 |
| 6.599 | | 1400 | 1153 |
| 6.704 | | 2756 | 5064 |
| 6.806 | | 1556 | 1962 |
| 6.851 | | 1424 | 1276 |
| 6.923 | | 2227 | 2899 |

LCSA 9/13/16 ACF ABLCS08257 LCS 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0008.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0008.RAW



LANCASTER LABORATORIES

Sample Number: LCSA 9/13/16 ACF ABLCS08257 LCS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 10:42:42 AM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

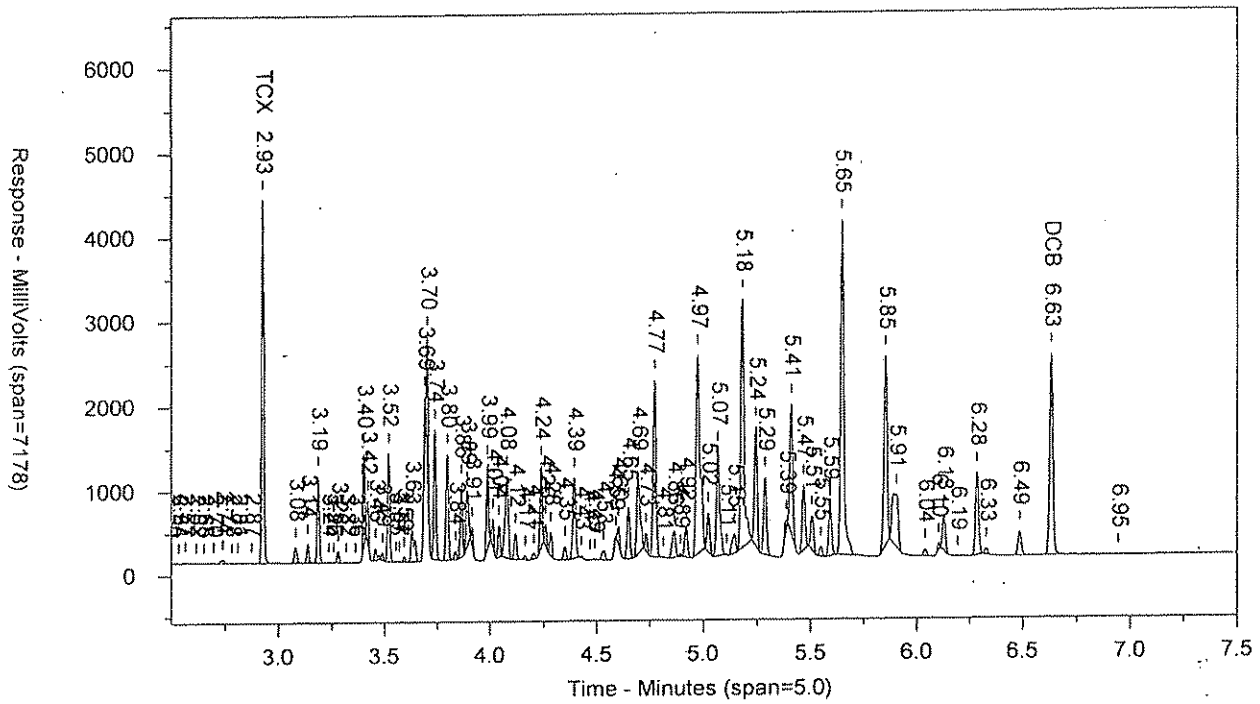
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 4322090 | 31.946 | TCX | 2.599 | 8053725 | 32.79 | TCX |
| 6.632 | 2380134 | 35.608 | DCB | 6.077 | 6586970 | 34.625 | DCB |

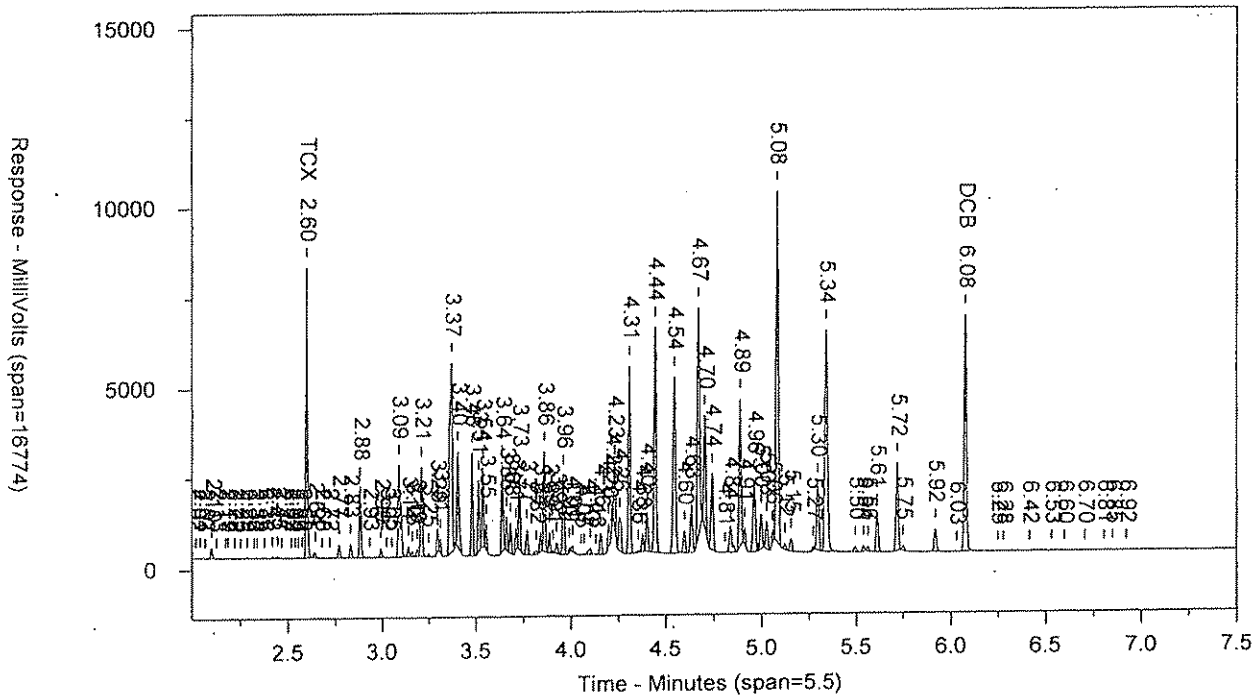
Files:
Area File: 25pcbs16207035.0008.RAW
Area File: 25pcbs16207035B.0008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 10:51:15 AM
File Reported On: 9/15/2016 at 10:51:21 AM

LCSA 9/13/16 ACF ABLCS08257 LCS 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0008.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0008.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577888** MSACF DF5 ATW15MS MS Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

**Injected on** Sep 15, 2016 11:05:18
**Instrument** 18274A
**Result file** 25PCBS16207035.0010.RAW
**Calibration file** 25PCBS1620701
**Method file** 25PCBS

%SSR(TCX) 90% ( 46 - 148 ) Conc: 25.12422
%SSR(DCB) 131% ( 49 - 139 ) Conc: 36.4847

## Analysis Report (B)

**Injected on** Sep 15, 2016 11:05:18
**Instrument** 18274B
**Result file** 25PCBS16207035B.0010.RAW
**Calibration file** 25PCBS1620701B
**Method file** 25PCBSB

%SSR(TCX) 82% ( 46 - 148 ) Conc: 22.89276
%SSR(DCB) 99% ( 49 - 139 ) Conc: 27.546

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **2.51** | |
| 3.17 | 3.19 | 3.21 | 214951.2 | 447.496189 | | | 1 |
| 3.39 | 3.40 | 3.43 | 215058.3 | 455.459076 | | | 2 |
| 3.51 | 3.52 | 3.55 | 250486.3 | 436.598308 | | | 3 |
| 3.73 | 3.74 | 3.77 | 296097.5 | 455.25295 | | | 4 |
| 3.79 | 3.80 | 3.83 | 246079.8 | 444.288771 | | | 5 |
| 3.98 | 3.99 | 4.02 | 200584.1 | 469.464234 | | | 6 |
| Height summation: | | | **1423257.2** | | | | |
| Concentration | | CF: | **451.426588** | L: | | | |
| **Aroclor-1260** | | | | | | **21.07** | |
| 4.76 | 4.77 | 4.80 | 1834254 | 2196.111546 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2467227 | 2729.977085 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1649412 | 2998.251013 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2123159 | 3084.548383 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5763664 | 4011.677337 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3037610 | 3707.619236 | | | 6 |
| Height summation: | | | **16875326** | | | | |
| Concentration | | CF: | **3121.3641** | L: | | | |

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **5.07** | |
| 2.87 | 2.88 | 2.91 | 336114.1 | 397.865801 | | | 1 |
| 3.19 | 3.21 | 3.23 | 446381.3 | 426.888863 | | | 2 |
| 3.39 | 3.40 | 3.43 | 438953.5 | 392.677325 | | | 3 |
| 3.46 | 3.48 | 3.50 | 486061.9 | 423.086431 | | | 4 |
| 3.63 | 3.64 | 3.67 | 428973.9 | 439.365411 | | | 5 |
| 3.72 | 3.73 | 3.76 | 373011.2 | 444.686781 | | | 6 |
| Height summation: | | | **2509495.9** | | | | |
| Concentration | | CF: | **420.761769** | L: | | | |
| **Aroclor-1260** | | | | | | **23.90** | |
| 4.29 | 4.31 | 4.33 | 4257403 | 2090.17932 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6084204 | 2638.911343 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4302568 | 2237.610699 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4675564 | 3050.919269 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13026430 | 3834.781995 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7890621 | 3466.752427 | | | 6 |
| Height summation: | | | **40236790** | | | | |
| Concentration | | CF: | **2886.525842** | L: | | | |

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ PCB-1016 | A | 451.426588 | 243.0887 | 47.1878 | | 7.03 | 4 | |
| ☐ PCB-1221 | | | <243.0887 | <72.9266 | | | 3 | |
| ☐ PCB-1232 | | | <243.0887 | <58.6273 | | | 4 | |
| ☐ PCB-1242 | | | <243.0887 | <58.6273 | | | 4 | |
| ☐ PCB-1248 | | | <243.0887 | <47.1878 | | | 4 | |
| ☐ PCB-1254 | | | <243.0887 | <62.9171 | | | 4 | |
| ☐ PCB-1260 | A | 3121.3641 | 243.0887 | 55.7674 | | 7.82 | 4 | |
| ☐ PCB-1262 | | | <243.0887 | <47.1878 | | | 4 | |
| ☐ PCB-1268 | | | <243.0887 | <47.1878 | | | 4 | |
| ☐ Total PCBs | A | 3572.790688 | 243.0887 | 47.1878 | | | | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 713148 | 25.12422 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 511648 | 36.4847 |

| Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1179652 | 22.89276 |
| Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1099413 | 27.546 |

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577888** MSACF DF5 ATW15MS MS Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:05:18 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0010.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:05:18 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0010.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | A | 25.12422 | | | | 9.29 | |
| ☐ Decachlorobiphenyl | A | 36.4847 | | | | 27.92 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomnyko, Principal Specialist
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSACF DF5 ATW15MS Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:05:18
Instrument : P 25--18274A
Result file : 25PCBS16207035.0010.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 90% (46-148) Conc.: 25.12422
%SSR(DCB) : 131% (49-139) Conc.: 36.4847

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 2.51 | |
| 3.17 | 3.19 | 3.21 | 214951.2 | 447.496189 | | | 1 |
| 3.39 | 3.40 | 3.43 | 215058.3 | 455.459076 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 102519.6 | 217.120113 | | | 2 |
| 3.51 | 3.52 | 3.55 | 250486.3 | 436.598308 | | | 3 |
| 3.73 | 3.74 | 3.77 | 296097.5 | 455.25295 | | | 4 |
| 3.79 | 3.80 | 3.83 | 246079.8 | 444.288771 | | | 5 |
| 3.98 | 3.99 | 4.02 | 200584.1 | 469.464234 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 76574.73 | 179.222067 | | | 6 |
| Height Summation: | | | 1423257.2 | | | | |
| Amount Avg CF: | | | 451.426588 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 34.78 | |
| 3.07 | 3.08 | 3.11 | 39332.87 | 159.696355 | | | 1 |
| 3.13 | 3.14 | 3.17 | 47876.53 | 230.942093 | | | 2 |
| 3.17 | 3.19 | 3.21 | 214951.2 | 325.135675 | | | 3 |
| Height Summation: | | | 302160.6 | | | | |
| Amount Avg CF: | | | 238.591374 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 28.27 | |
| 3.17 | 3.19 | 3.21 | 214951.2 | 334.730419 | | | 1 |
| 3.39 | 3.40 | 3.43 | 215058.3 | 819.729381 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 102519.6 | 390.769983 | | | 2 |
| 3.51 | 3.52 | 3.55 | 250486.3 | 783.256072 | | | 3 |
| 3.73 | 3.74 | 3.77 | 296097.5 | 831.88611 | | | 4 |
| 3.79 | 3.80 | 3.83 | 246079.8 | 821.903141 | | | 5 |
| 3.99 | 3.99 | 4.02 | 200584.1 | 945.993367 | | | 6 |
| + 3.99 | 4.01 | 4.02 | 76574.73 | 361.14122 | | | 6 |
| Height Summation: | | | 1423257.2 | | | | |
| Amount Avg CF: | | | 756.249748 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 3.50 | |
| 3.17 | 3.19 | 3.21 | 214951.2 | 612.351534 | | | 1 |
| 3.39 | 3.40 | 3.43 | 215058.3 | 650.326027 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 102519.6 | 310.014374 | | | 2 |
| 3.51 | 3.52 | 3.55 | 250486.3 | 609.236027 | | | 3 |
| 3.73 | 3.74 | 3.77 | 296097.5 | 646.248416 | | | 4 |
| 3.79 | 3.80 | 3.83 | 246079.8 | 622.236769 | | | 5 |
| 3.98 | 3.99 | 4.02 | 200584.1 | 662.625785 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 76574.73 | 252.963174 | | | 6 |
| Height Summation: | | | 1423257.2 | | | | |
| Amount Avg CF: | | | 633.837426 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 65.47 | |
| 3.79 | 3.80 | 3.83 | 246079.8 | 784.102529 | | | 1 |
| 3.85 | 3.86 | 3.89 | 186887.8 | 352.469122 | | | 2 |
| + 3.85 | 3.89 | 3.89 | 167034.7 | 315.02631 | | | 2 |
| 3.98 | 3.99 | 4.02 | 200584.1 | 331.576848 | | | 3 |
| + 3.98 | 4.01 | 4.02 | 76574.73 | 126.582354 | | | 3 |
| 4.07 | 4.08 | 4.11 | 199894.8 | 405.303409 | | | 4 |
| + 4.25 | 4.26 | 4.29 | 63033.52 | 121.189939 | | | 5 |
| 4.25 | 4.28 | 4.29 | 76283.86 | 146.665398 | | | 5 |
| 4.64 | 4.65 | 4.68 | 395827 | 1042.634356 | | | 6 |
| Height Summation: | | | 1305557.36 | | | | |
| Amount Avg CF: | | | 510.45861 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:05:18
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0010.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 82% (46-148) Conc.: 22.89276
%SSR(DCB) : 99% (49-139) Conc.: 27.546

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 5.07 | |
| 2.87 | 2.88 | 2.91 | 336114.1 | 397.865801 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 149032.4 | 176.412996 | | | 1 |
| 3.19 | 3.21 | 3.23 | 446381.3 | 426.888863 | | | 2 |
| 3.39 | 3.40 | 3.43 | 438953.5 | 392.677325 | | | 3 |
| 3.46 | 3.48 | 3.50 | 486061.9 | 423.086431 | | | 4 |
| 3.63 | 3.64 | 3.67 | 428973.9 | 439.365411 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 170447.6 | 174.576541 | | | 5 |
| 3.72 | 3.73 | 3.76 | 373011.2 | 444.686781 | | | 6 |
| Height Summation: | | | 2509495.9 | | | | |
| Amount Avg CF: | | | 420.761769 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 24.77 | |
| 2.75 | 2.77 | 2.79 | 79322.16 | 168.260475 | | | 1 |
| 2.81 | 2.83 | 2.85 | 76877.51 | 255.913542 | | | 2 |
| 2.87 | 2.88 | 2.91 | 336114.1 | 277.742325 | | | 3 |
| + 2.87 | 2.91 | 2.91 | 149032.4 | 123.150458 | | | 3 |
| Height Summation: | | | 492313.77 | | | | |
| Amount Avg CF: | | | 233.972114 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 31.56 | |
| 2.87 | 2.88 | 2.91 | 336114.1 | 283.600995 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 149032.4 | 125.748182 | | | 1 |
| 3.20 | 3.21 | 3.24 | 446381.3 | 788.704105 | | | 2 |
| 3.39 | 3.40 | 3.43 | 438953.5 | 727.618003 | | | 3 |
| 3.47 | 3.48 | 3.51 | 486061.9 | 821.200381 | | | 4 |
| 3.63 | 3.64 | 3.67 | 428973.9 | 926.137548 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 170447.6 | 367.989573 | | | 5 |
| 3.72 | 3.73 | 3.76 | 373011.2 | 876.854793 | | | 6 |
| Height Summation: | | | 2509495.9 | | | | |
| Amount Avg CF: | | | 737.352638 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 5.95 | |
| 2.87 | 2.88 | 2.91 | 336114.1 | 539.988106 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 149032.4 | 239.429775 | | | 1 |
| 3.20 | 3.21 | 3.24 | 446381.3 | 579.397408 | | | 2 |
| 3.39 | 3.40 | 3.43 | 438953.5 | 540.095791 | | | 3 |
| 3.47 | 3.48 | 3.51 | 486061.9 | 617.752194 | | | 4 |
| 3.63 | 3.64 | 3.67 | 428973.9 | 606.899305 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 170447.6 | 241.144111 | | | 5 |
| 3.72 | 3.73 | 3.76 | 373011.2 | 605.702624 | | | 6 |
| Height Summation: | | | 2509495.9 | | | | |
| Amount Avg CF: | | | 581.639238 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 92.84 | |
| + 3.50 | 3.51 | 3.54 | 351901.3 | 313.14451 | | | 1 |
| 3.50 | 3.54 | 3.54 | 405968.3 | 361.256819 | | | 1 |
| 3.63 | 3.64 | 3.67 | 428973.9 | 315.714263 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 170447.6 | 125.445251 | | | 2 |
| 3.72 | 3.73 | 3.76 | 373011.2 | 376.17114 | | | 3 |
| 3.85 | 3.86 | 3.89 | 685693.3 | 363.833087 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 112648.3 | 59.771882 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 328694.8 | 386.760612 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1222250 | 1438.167436 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 238252.5 | 467.704096 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1087864 | 2135.542957 | | | 6 |
| Height Summation: | | | 4203760.7 | | | | |
| Amount Avg CF: | | | 831.78095 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSACF DF5 ATW15MS Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:05:18
Instrument : P 25--18274A
Result file : 25PCBS16207035.0010.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 130.61 | |
| 4.23 | 4.24 | 4.27 | 299921.4 | 469.705494 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 63033.52 | 98.716499 | | | 1 |
| 4.58 | 4.60 | 4.62 | 260388 | 425.03843 | | | 2 |
| 4.64 | 4.65 | 4.68 | 395827 | 344.098486 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1834254 | 4914.311297 | | | 4 |
| 4.86 | 4.86 | 4.90 | 209082.2 | 285.783852 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 18547.04 | 25.351008 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1211893 | 2003.092222 | | | 6 |
| Height Summation: | | | 4211365.6 | | | | |
| Amount Avg CF: | | | 1407.004963 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 21.07 | |
| 4.76 | 4.77 | 4.80 | 1834254 | 2196.111546 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2467227 | 2729.977085 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1649412 | 2998.251013 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2123159 | 3084.548383 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5763664 | 4011.677337 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3037610 | 3707.619236 | | | 6 |
| Height Summation: | | | 16875326 | | | | |
| Amount Avg CF: | | | 3121.3641 | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 22.08 | |
| E 5.23 | 5.24 | 5.27 | 1649412 | 1674.725272 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2123159 | 2473.198203 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5763664 | 2944.239446 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3037610 | 2710.23149 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1384528 | 1988.856809 | | | 6 |
| Height Summation: | | | 13958373 | | | | |
| Amount Avg CF: | | | 2358.250244 | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 91.69 | |
| E 5.84 | 5.85 | 5.88 | 3037610 | 1333.629806 | | | 1 |
| 6.03 | 6.04 | 6.07 | 65621.58 | 35.563166 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 80142.5 | 156.687192 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 526050.4 | 1028.485013 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1384528 | 1751.207205 | | | 5 |
| 6.48 | 6.49 | 6.52 | 288933.4 | 53.402775 | | | 6 |
| Height Summation: | | | 5302743.38 | | | | |
| Amount Avg CF: | | | 840.457593 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:05:18
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0010.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 127.03 | |
| 4.15 | 4.16 | 4.19 | 216500 | 140.958822 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 328694.8 | 123.081209 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1222250 | 457.676871 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4257403 | 3383.562411 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 238252.5 | 140.345475 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1087864 | 640.819255 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6084204 | 5976.403334 | | | 5 |
| 4.58 | 4.60 | 4.62 | 579374 | 488.542856 | | | 6 |
| Height Summation: | | | 13447595 | | | | |
| Amount Avg CF: | | | 1847.993925 | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 23.90 | |
| 4.29 | 4.31 | 4.33 | 4257403 | 2090.17932 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6084204 | 2638.911343 | | | 2 |
| 4.53 | 4.54 | 4.57 | 4302568 | 2237.610699 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4675564 | 3050.919269 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 511645.6 | 333.861203 | | | 4 |
| 5.07 | 5.08 | 5.11 | 13026430 | 3834.781995 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7890621 | 3466.752427 | | | 6 |
| Height Summation: | | | 40236790 | | | | |
| Amount Avg CF: | | | 2886.525842 | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.47 | |
| E 4.69 | 4.70 | 4.73 | 3705786 | 1420.600124 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4675564 | 1756.577669 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 511645.6 | 192.22178 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 13026430 | 2666.621664 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2116117 | 1050.745025 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 7890621 | 2367.181449 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3131517 | 1748.550155 | | | 6 |
| Height Summation: | | | 34546035 | | | | |
| Amount Avg CF: | | | 1835.046014 | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 124.93 | |
| 5.29 | 5.30 | 5.33 | 2116117 | 353.194252 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 7890621 | 1360.539082 | | | 2 |
| 5.49 | 5.49 | 5.53 | 120353.2 | 23.681234 | | | 3 |
| 5.55 | 5.56 | 5.59 | 65703.37 | 53.836399 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 6059.377 | 4.964967 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3131517 | 1523.252727 | | | 5 |
| 5.91 | 5.92 | 5.95 | 584497.6 | 34.575144 | | | 6 |
| Height Summation: | | | 13908809.17 | | | | |
| Amount Avg CF: | | | 558.179806 | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 243.0887 | 47.1878 | | 7.03 | 4 | 40 | |
| Aroclor-1221 | | | 243.0887 | 72.9266 | | 1.95 | 3 | 5 | |
| Aroclor-1232 | | | 243.0887 | 58.6273 | | 2.53 | 4 | 10 | |
| Aroclor-1242 | | | 243.0887 | 58.6273 | | 8.59 | 4 | 30 | |
| Aroclor-1248 | | | 243.0887 | 47.1878 | | ** 47.88 | 4 | 40 | |
| Aroclor-1254 | | | 243.0887 | 62.9171 | E | 27.10 | 4 | 40 | |
| Aroclor-1260 | | | 243.0887 | 55.7674 | | 7.82 | 4 | 40 | |
| Aroclor-1262 | | | 243.0887 | 47.1878 | E | 24.95 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSACF DF5 ATW15MS Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:05:18 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0010.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:05:18 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0010.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 243.0887 | 47.1878 | E | ** 40.36 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577888MSACF DF5 ACATW15MS MS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:05:18 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: 25pcbs16207035.0010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 2434 | 1278 |
| 2.037 | | 8482 | 6870 |
| 2.089 | | 8711 | 11403 |
| 2.131 | | 21473 | 29088 |
| 2.197 | | 50443 | 41361 |
| 2.284 | | 1207 | 633 |
| 2.308 | | 16548 | 11216 |
| 2.331 | | 3313 | 2234 |
| 2.382 | | 25248 | 21236 |
| 2.443 | | 1374 | 1752 |
| 2.489 | | 1747 | 1533 |
| 2.565 | | 4768 | 6451 |
| 2.627 | | 4910 | 2671 |
| 2.648 | | 34659 | 22416 |
| 2.734 | | 1835 | 1148 |
| 2.764 | | 2231 | 2743 |
| 2.872 | | 989 | 2130 |
| 2.925 | TCX | 713148 | 493908 |
| 3.039 | | 6312 | 3777 |
| 3.079 | | 39333 | 38219 |
| 3.137 | | 47877 | 34063 |
| 3.185 | | 214951 | 154452 |
| 3.233 | | 113893 | 103299 |
| 3.279 | | 28804 | 20924 |
| 3.32 | | 1833 | 1622 |
| 3.369 | | 904 | 1120 |
| 3.402 | | 215058 | 131662 |
| 3.419 | | 102520 | 57338 |
| 3.456 | | 26466 | 15174 |
| 3.472 | | 9583 | 4222 |
| 3.489 | | 18446 | 10769 |
| 3.519 | | 250486 | 192538 |
| 3.566 | | 3245 | 4039 |
| 3.593 | | 16612 | 11059 |
| 3.63 | | 82318 | 93347 |
| 3.69 | | 138438 | 73018 |
| 3.701 | | 240491 | 121837 |
| 3.737 | | 296098 | 233033 |
| 3.796 | | 246080 | 200051 |
| 3.836 | | 23002 | 16859 |
| 3.863 | | 186888 | 139377 |
| 3.891 | | 167035 | 241018 |
| 3.989 | | 200584 | 148360 |
| 4.013 | | 76575 | 49756 |
| 4.043 | | 88109 | 62591 |
| 4.08 | | 199895 | 224012 |
| 4.119 | | 69681 | 55816 |
| 4.165 | | 12382 | 13924 |
| 4.204 | | 25027 | 22224 |
| 4.239 | | 299921 | 231891 |
| 4.26 | | 63034 | 36501 |
| 4.283 | | 76284 | 54933 |
| 4.35 | | 70520 | 61617 |
| 4.394 | | 359955 | 339376 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.428 | | 41851 | 29741 |
| 4.467 | | 3957 | 2879 |
| 4.491 | | 13674 | 10396 |
| 4.531 | | 107349 | 111734 |
| 4.602 | | 260388 | 370705 |
| 4.649 | | 395827 | 356925 |
| 4.694 | | 720881 | 822401 |
| 4.731 | | 176805 | 131448 |
| 4.77 | | 1834254 | 1683560 |
| 4.811 | | 17704 | 20133 |
| 4.861 | | 209082 | 253456 |
| 4.893 | | 18547 | 11611 |
| 4.919 | | 404945 | 383656 |
| 4.972 | | 2467227 | 2991928 |
| 5.021 | | 439531 | 395161 |
| 5.065 | | 1211893 | 1329623 |
| 5.107 | | 27182 | 16287 |
| 5.144 | | 272318 | 326063 |
| 5.18 | | 3204870 | 3433159 |
| 5.243 | | 1649412 | 1481228 |
| 5.286 | | 1098851 | 1090656 |
| 5.34 | | 4681 | 3905 |
| 5.407 | | 2123159 | 2880818 |
| 5.466 | | 1020336 | 942794 |
| 5.506 | | 565483 | 488624 |
| 5.546 | | 109790 | 106357 |
| 5.592 | | 591192 | 559562 |
| 5.619 | | 23087 | 11796 |
| 5.647 | | 5763664 | 5765283 |
| 5.738 | | 14907 | 15379 |
| 5.769 | | 3565 | 1966 |
| 5.79 | | 8103 | 5491 |
| 5.853 | | 3037610 | 3252294 |
| 5.892 | | 787828 | 1586327 |
| 5.955 | | 21626 | 20842 |
| 6.037 | | 65622 | 95595 |
| 6.103 | | 80143 | 63096 |
| 6.126 | | 526050 | 493867 |
| 6.192 | | 4576 | 5947 |
| 6.25 | | 5622 | 4562 |
| 6.284 | | 1384529 | 1373457 |
| 6.329 | | 97194 | 97259 |
| 6.368 | | 1305 | 1049 |
| 6.396 | | 4068 | 4671 |
| 6.485 | | 288933 | 329976 |
| 6.631 | DCB | 511648 | 597759 |
| 6.709 | | 6304 | 8296 |
| 6.802 | | 2398 | 4117 |
| 6.846 | | 1429 | 1574 |
| 6.902 | | 2697 | 3777 |
| 6.943 | | 9385 | 10673 |

LANCASTER LABORATORIES

Sample Number: 8577888MSACF DF5 ACATW15MS MS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:05:18 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: 25pcbs16207035B.0010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

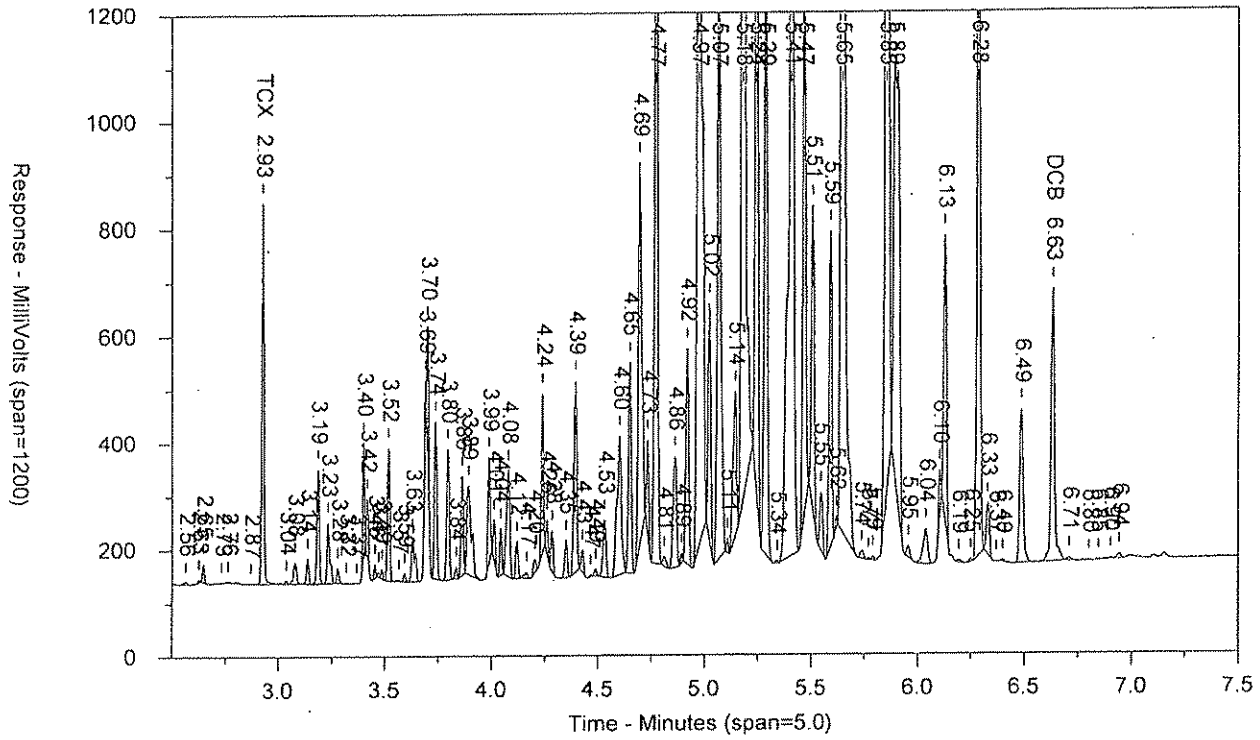
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.014 | | 3358 | 1340 |
| 2.038 | | 9764 | 10099 |
| 2.055 | | 9458 | 7499 |
| 2.101 | | 17775 | 26779 |
| 2.146 | | 33334 | 26870 |
| 2.176 | | 3595 | 3516 |
| 2.217 | | 7525 | 4039 |
| 2.235 | | 3451 | 3853 |
| 2.294 | | 13603 | 25770 |
| 2.35 | | 54823 | 37806 |
| 2.369 | | 4339 | 8060 |
| 2.432 | | 3078 | 3769 |
| 2.449 | | 4206 | 2228 |
| 2.475 | | 9187 | 9286 |
| 2.525 | | 8435 | 11074 |
| 2.575 | | 2930 | 2485 |
| 2.599 | TCX | 1179652 | 690600 |
| 2.644 | | 29062 | 19189 |
| 2.691 | | 5863 | 7170 |
| 2.77 | | 79322 | 52430 |
| 2.831 | | 76878 | 60663 |
| 2.883 | | 336114 | 189148 |
| 2.905 | | 149032 | 73251 |
| 2.934 | | 5339 | 2904 |
| 2.957 | | 2624 | 1433 |
| 2.994 | | 50981 | 35523 |
| 3.026 | | 3255 | 2243 |
| 3.056 | | 3083 | 4621 |
| 3.09 | | 459484 | 436381 |
| 3.141 | | 51916 | 31226 |
| 3.162 | | 25554 | 13171 |
| 3.188 | | 40323 | 21786 |
| 3.212 | | 446381 | 283882 |
| 3.248 | | 29804 | 17705 |
| 3.274 | | 1676 | 960 |
| 3.295 | | 138873 | 131174 |
| 3.37 | | 836965 | 836045 |
| 3.404 | | 438954 | 289289 |
| 3.478 | | 486062 | 292104 |
| 3.514 | | 351901 | 211930 |
| 3.537 | | 405968 | 220486 |
| 3.555 | | 125372 | 59922 |
| 3.64 | | 428974 | 277977 |
| 3.663 | | 170448 | 90852 |
| 3.684 | | 164326 | 92331 |
| 3.713 | | 127319 | 64482 |
| 3.73 | | 373011 | 209707 |
| 3.77 | | 129526 | 88567 |
| 3.816 | | 42206 | 39072 |
| 3.839 | | 95065 | 55123 |
| 3.86 | | 685693 | 445702 |
| 3.886 | | 112648 | 64819 |
| 3.905 | | 32239 | 15879 |
| 3.925 | | 143552 | 89469 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.959 | | 741939 | 475694 |
| 3.991 | | 91715 | 51947 |
| 4.007 | | 51996 | 27112 |
| 4.054 | | 5027 | 3270 |
| 4.069 | | 11239 | 7017 |
| 4.092 | | 118079 | 139616 |
| 4.131 | | 20620 | 17378 |
| 4.158 | | 216500 | 142547 |
| 4.2 | | 382826 | 224990 |
| 4.218 | | 328695 | 148872 |
| 4.231 | | 1222250 | 686304 |
| 4.256 | | 680743 | 653871 |
| 4.308 | | 4257403 | 3071392 |
| 4.356 | | 71621 | 79711 |
| 4.377 | | 238253 | 149004 |
| 4.401 | | 1087864 | 761193 |
| 4.443 | | 6084204 | 4305167 |
| 4.498 | | 7921 | 6055 |
| 4.545 | | 4302568 | 4022639 |
| 4.597 | | 579374 | 479510 |
| 4.635 | | 1355564 | 1153199 |
| 4.67 | | 6726038 | 5377603 |
| 4.703 | | 3705786 | 2455053 |
| 4.74 | | 2390621 | 1810908 |
| 4.798 | | 16778 | 9137 |
| 4.811 | | 5666 | 2504 |
| 4.838 | | 756780 | 745662 |
| 4.889 | | 4675564 | 3491706 |
| 4.912 | | 511646 | 330384 |
| 4.962 | | 2465365 | 2097792 |
| 4.997 | | 1235832 | 940596 |
| 5.027 | | 932132 | 738046 |
| 5.059 | | 188598 | 106737 |
| 5.081 | | 13026430 | 10305370 |
| 5.122 | | 226151 | 168869 |
| 5.154 | | 335166 | 263565 |
| 5.199 | | 12192 | 8722 |
| 5.218 | | 13897 | 8055 |
| 5.271 | | 97344 | 59930 |
| 5.295 | | 2116117 | 1655452 |
| 5.339 | | 7890621 | 8023764 |
| 5.399 | | 7922 | 6810 |
| 5.445 | | 4754 | 6942 |
| 5.494 | | 120353 | 99016 |
| 5.539 | | 220124 | 169098 |
| 5.563 | | 65703 | 42377 |
| 5.586 | | 6059 | 3933 |
| 5.611 | | 1258869 | 1064587 |
| 5.652 | | 11032 | 10234 |
| 5.691 | | 11437 | 6769 |
| 5.718 | | 3131517 | 2527466 |
| 5.749 | | 160510 | 118678 |
| 5.833 | | 7060 | 7043 |
| 5.858 | | 3937 | 4331 |
| 5.917 | | 584498 | 521420 |
| 6.009 | | 3375 | 3029 |
| 6.038 | | 12121 | 11631 |
| 6.076 | DCB | 1099413 | 941341 |
| 6.112 | | 8756 | 6425 |
| 6.179 | | 3074 | 2678 |
| 6.205 | | 3750 | 2758 |
| 6.251 | | 7389 | 5408 |
| 6.276 | | 39662 | 33041 |
| 6.313 | | 3571 | 2491 |
| 6.342 | | 11840 | 15832 |
| 6.386 | | 1577 | 1494 |

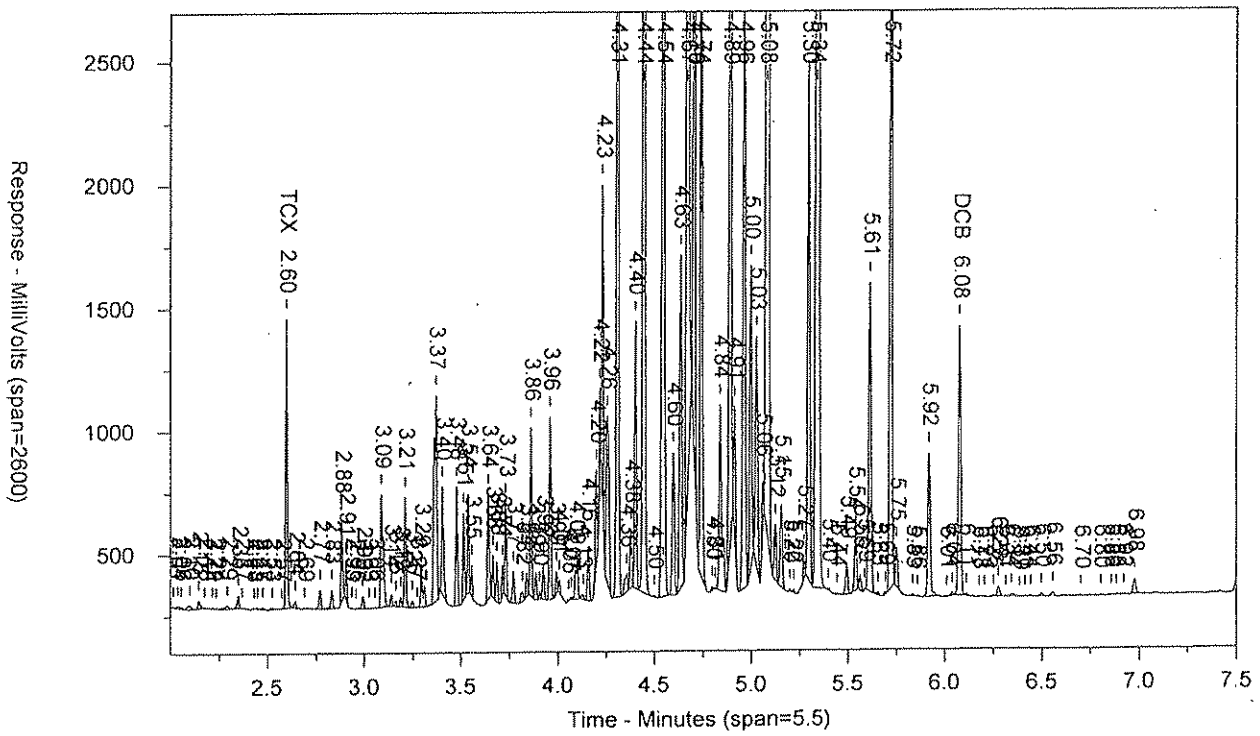
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.413 | | 4377 | 3207 |
| 6.441 | | 5416 | 5012 |
| 6.497 | | 11639 | 12709 |
| 6.556 | | 16590 | 18197 |
| 6.701 | | 2076 | 4330 |
| 6.802 | | 2028 | 1680 |
| 6.855 | | 2203 | 2527 |
| 6.881 | | 1559 | 1354 |
| 6.919 | | 2051 | 1476 |
| 6.976 | | 61273 | 56992 |

8577888MSACF DF5 ACATW15MS MS 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0010.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0010.RAW



LANCASTER LABORATORIES

Sample Number: 8577888MSACF DF5 ACATW15MS MS 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:05:18 AM
Sample Weight: 10.49
Dilution Factor: 50
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 4
Calibration Type: external
Quantitation: Height

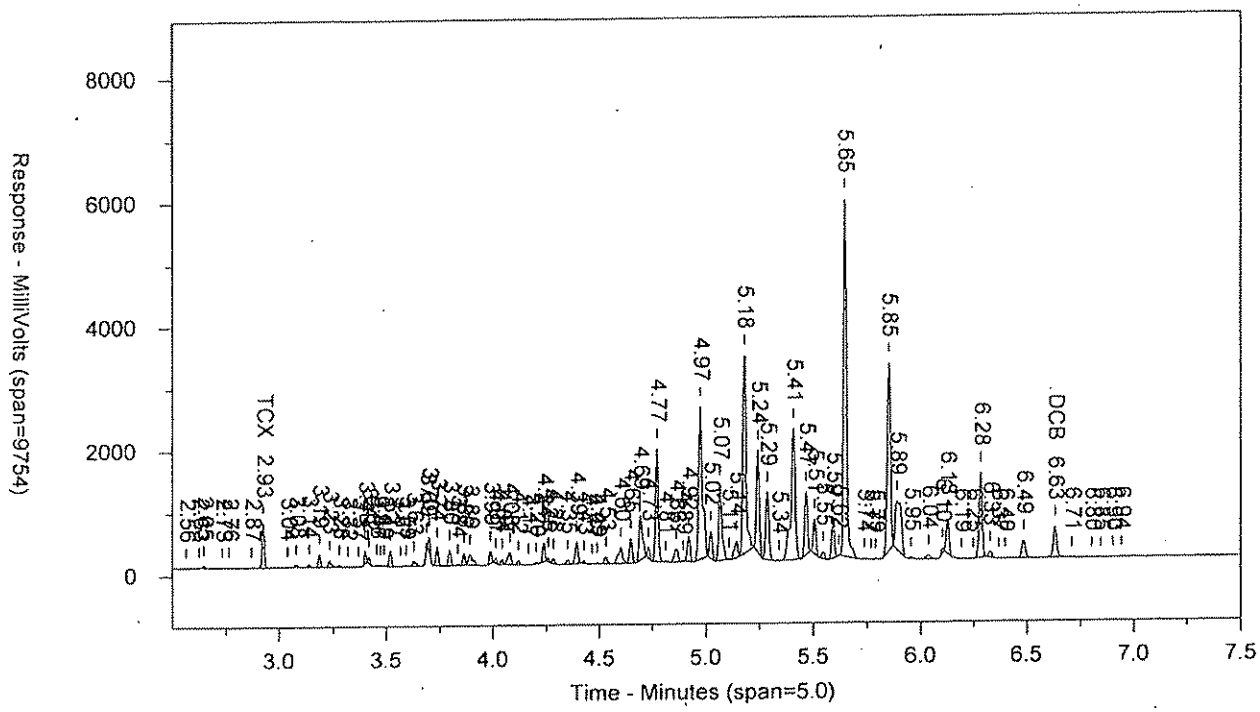
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 713148 | 25.124 | TCX | 2.599 | 1179652 | 22.893 | TCX |
| 6.631 | 511648 | 36.485 | DCB | 6.076 | 1099413 | 27.546 | DCB |

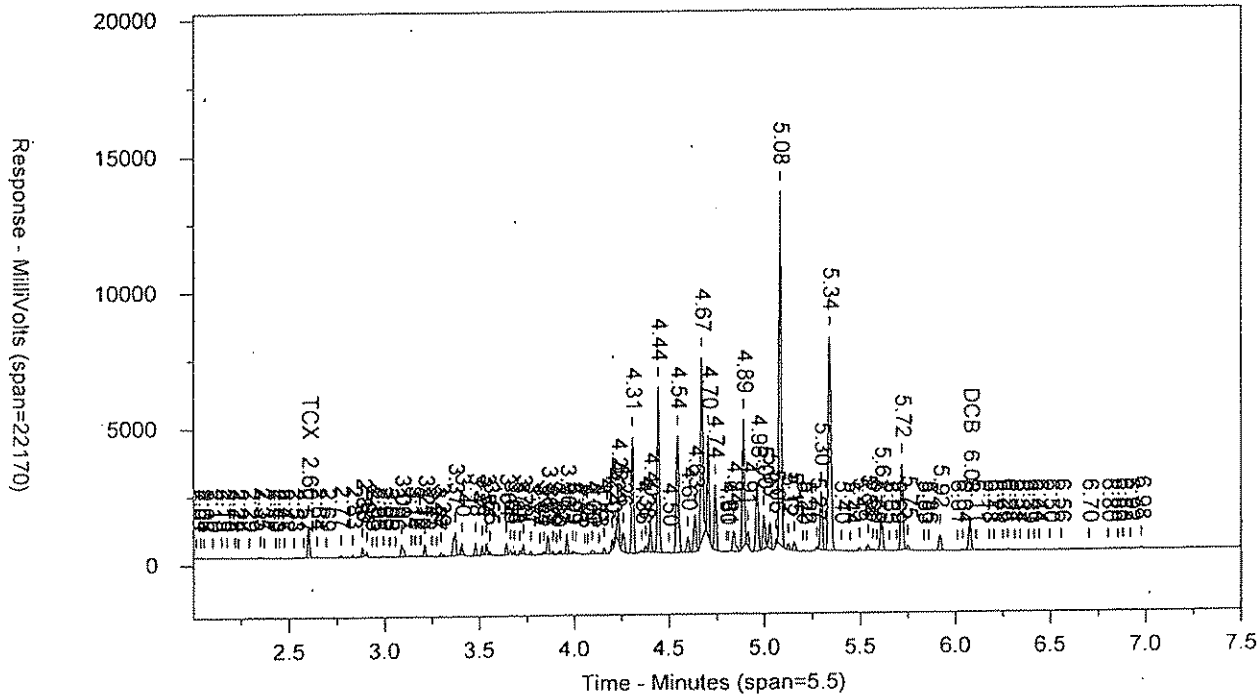
Files:
Area File: 25pcbs16207035.0010.RAW
Area File: 25pcbs16207035B.0010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:13:49 AM
File Reported On: 9/15/2016 at 11:13:59 AM

8577888MSACF DF5 ACATW15MS MS 162570008A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0010.RAW




—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0010.RAW



eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577888** MSDACF DF5 ATW15MSD MSD Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.12 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:16:37 |
| Instrument | 18274A |
| Result file | 25PCBS16207035.0011.RAW |
| Calibration file | 25PCBS1620701 |
| Method file | 25PCBS |

%SSR(TCX) 102% ( 46 - 148 ) Conc: 29.58017
%SSR(DCB) * 140% ( 49 - 139 ) Conc: 40.54887

## Analysis Report (B)

| | |
|---|---|
| Injected on | Sep 15, 2016 11:16:37 |
| Instrument | 18274B |
| Result file | 25PCBS16207035B.0011.RAW |
| Calibration file | 25PCBS1620701B |
| Method file | 25PCBSB |

%SSR(TCX) 92% ( 46 - 148 ) Conc: 26.70577
%SSR(DCB) 109% ( 49 - 139 ) Conc: 31.54568

## Multiple Component Data

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **2.35** | |
| 3.17 | 3.19 | 3.21 | 236162 | 509.629385 | | | 1 |
| 3.39 | 3.40 | 3.43 | 238978.2 | 524.621898 | | | 2 |
| 3.51 | 3.52 | 3.55 | 278871.1 | 503.844539 | | | 3 |
| 3.73 | 3.74 | 3.77 | 335445.2 | 534.606932 | | | 4 |
| 3.79 | 3.80 | 3.83 | 280140.1 | 524.275577 | | | 5 |
| 3.98 | 3.99 | 4.02 | 219223.3 | 531.8482 | | | 6 |

Height summation: **1588819.9**
Concentration CF: **521.471089** L:

| Min | RT | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | | **4.19** | |
| 2.87 | 2.88 | 2.91 | 375084.5 | 460.228991 | | | 1 |
| 3.19 | 3.21 | 3.23 | 492956.3 | 488.666119 | | | 2 |
| 3.39 | 3.40 | 3.43 | 523955.2 | 485.854733 | | | 3 |
| 3.46 | 3.48 | 3.50 | 535494.9 | 483.156505 | | | 4 |
| 3.63 | 3.64 | 3.67 | 482960 | 512.744645 | | | 5 |
| 3.72 | 3.73 | 3.76 | 417287.7 | 515.659362 | | | 6 |

Height summation: **2827738.6**
Concentration CF: **491.051726** L:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.20** | |
| 4.76 | 4.77 | 4.80 | 1880939 | 2334.342663 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2550514 | 2925.314609 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1653083 | 3114.78787 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2167680 | 3264.368768 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5739668 | 4141.036779 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3099312 | 3921.239658 | | | 6 |

Height summation: **17091196**
Concentration CF: **3283.515058** L:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Aroclor-1260** | | | | | | **20.49** | |
| 4.29 | 4.31 | 4.33 | 4572381 | 2326.891707 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6126632 | 2754.468456 | | | 2 |
| 4.53 | 4.55 | 4.57 | 4531350 | 2442.751963 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4745026 | 3209.447544 | | | 4 |
| 5.07 | 5.08 | 5.11 | 12897070 | 3935.512555 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7469402 | 3401.672143 | | | 6 |

Height summation: **40341861**
Concentration CF: **3011.790728** L:

## Multiple Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | No. of Hits Required | Comments |
|---|---|---|---|---|---|---|---|---|
| ☐ PCB-1016 | A | 521.471089 | 251.9763 | 48.913 | | 6.01 | 4 | |
| ☐ PCB-1221 | | | <251.9763 | <75.5929 | | | 3 | |
| ☐ PCB-1232 | | | <251.9763 | <60.7707 | | | 4 | |
| ☐ PCB-1242 | | | <251.9763 | <60.7707 | | | 4 | |
| ☐ PCB-1248 | | | <251.9763 | <48.913 | | | 4 | |
| ☐ PCB-1254 | | | <251.9763 | <65.2174 | | | 4 | |
| ☐ PCB-1260 | A | 3283.515058 | 251.9763 | 57.8063 | | 8.63 | 4 | |
| ☐ PCB-1262 | | | <251.9763 | <48.913 | | | 4 | |
| ☐ PCB-1268 | | | <251.9763 | <48.913 | | | 4 | |
| ☐ Total PCBs | A | 3804.986146 | 251.9763 | 48.913 | | | | |

## Single Component Data

| Compound | Min | RT | Max | Height | Amount | Compound | Min | RT | Max | Height | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 2.90 | 2.93 | 2.96 | 810014 | 29.58017 | Tetrachloro-m-xylene | 2.57 | 2.60 | 2.63 | 1327595 | 26.70577 |
| Decachlorobiphenyl | 6.61 | 6.63 | 6.67 | 548586 | 40.54887 | Decachlorobiphenyl | 6.05 | 6.08 | 6.11 | 1214639 | 31.54568 |

eurofins | Lancaster Laboratories Environmental

# Data Summary

**Sample Name: 8577888** MSDACF DF5 ATW15MSD MSD Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.12 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analysis: 10225

## Analysis Report (A)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:16:37 |
| **Instrument** | 18274A |
| **Result file** | 25PCBS16207035.0011.RAW |
| **Calibration file** | 25PCBS1620701 |
| **Method file** | 25PCBS |

## Analysis Report (B)

| | |
|---|---|
| **Injected on** | Sep 15, 2016 11:16:37 |
| **Instrument** | 18274B |
| **Result file** | 25PCBS16207035B.0011.RAW |
| **Calibration file** | 25PCBS1620701B |
| **Method file** | 25PCBSB |

## Single Component Summary

| Compound Name | Column | Amount Found | LOQ | MDL | Qualifiers | %RPD | Comments |
|---|---|---|---|---|---|---|---|
| ☐ Tetrachloro-m-xylene | A | 29.58017 | | | | 10.21 | |
| ☐ Decachlorobiphenyl | A | 40.54887 | | | | 24.98 | |

Units: ug/kg

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

Reviewed by: Kirby B. Turner, Associate Chemist
Date: SEP 15 2016

Verified by: Valerie L. Tomeyko, Principal Specialist
Date: SEP 15 2016

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSDACF DF5 ATW15MSD Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.12 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:16:37
Instrument : P 25--18274A
Result file : 25PCBS16207035.0011.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET
%SSR(TCX) : 102% (46-148) Conc.: 29.58017
%SSR(DCB) : *140% (49-139) Conc.: 40.54887

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 2.35 | |
| 3.17 | 3.19 | 3.21 | 236162 | 509.629385 | | | 1 |
| 3.39 | 3.40 | 3.43 | 238978.2 | 524.621898 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 115767.4 | 254.140809 | | | 2 |
| 3.51 | 3.52 | 3.55 | 278871.1 | 503.844539 | | | 3 |
| 3.73 | 3.74 | 3.77 | 335445.2 | 534.606932 | | | 4 |
| 3.79 | 3.80 | 3.83 | 280140.1 | 524.275577 | | | 5 |
| 3.98 | 3.99 | 4.02 | 219223.3 | 531.8482 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 83567.75 | 202.740117 | | | 6 |
| Height Summation: | | | 1588819.9 | | | | |
| Amount Avg CF: | | | 521.471089 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 33.48 | |
| 3.07 | 3.08 | 3.11 | 44257.95 | 186.262589 | | | 1 |
| 3.13 | 3.14 | 3.17 | 53860.54 | 269.30605 | | | 2 |
| 3.17 | 3.19 | 3.21 | 236162 | 370.279564 | | | 3 |
| Height Summation: | | | 334280.49 | | | | |
| Amount Avg CF: | | | 275.282735 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 28.36 | |
| 3.17 | 3.19 | 3.21 | 236162 | 381.206503 | | | 1 |
| 3.39 | 3.40 | 3.43 | 238978.2 | 944.207736 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 115767.4 | 457.399356 | | | 2 |
| 3.51 | 3.52 | 3.55 | 278871.1 | 903.895612 | | | 3 |
| 3.73 | 3.74 | 3.77 | 335445.2 | 976.890059 | | | 4 |
| 3.79 | 3.80 | 3.83 | 280140.1 | 969.873135 | | | 5 |
| E 3.99 | 3.99 | 4.02 | 219223.3 | 1071.700107 | | | 6 |
| + 3.99 | 4.01 | 4.02 | 83567.75 | 408.53124 | | | 6 |
| Height Summation: | | | 1588819.9 | | | | |
| Amount Avg CF: | | | 874.628859 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 3.56 | |
| 3.17 | 3.19 | 3.21 | 236162 | 697.374286 | | | 1 |
| 3.39 | 3.40 | 3.43 | 238978.2 | 749.079977 | | | 2 |
| + 3.39 | 3.42 | 3.43 | 115767.4 | 362.874276 | | | 2 |
| 3.51 | 3.52 | 3.55 | 278871.1 | 703.072457 | | | 3 |
| 3.73 | 3.74 | 3.77 | 335445.2 | 758.89433 | | | 4 |
| 3.79 | 3.80 | 3.83 | 280140.1 | 734.260153 | | | 5 |
| 3.98 | 3.99 | 4.02 | 219223.3 | 750.677699 | | | 6 |
| + 3.98 | 4.01 | 4.02 | 83567.75 | 286.15775 | | | 6 |
| Height Summation: | | | 1588819.9 | | | | |
| Amount Avg CF: | | | 732.226484 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 64.25 | |
| 3.79 | 3.80 | 3.83 | 280140.1 | 925.267152 | | | 1 |
| 3.85 | 3.86 | 3.89 | 204457.7 | 399.704071 | | | 2 |
| + 3.85 | 3.89 | 3.89 | 186805.5 | 365.194946 | | | 2 |
| 3.98 | 3.99 | 4.02 | 219223.3 | 375.63788 | | | 3 |
| + 3.98 | 4.01 | 4.02 | 83567.75 | 143.192865 | | | 3 |
| 4.07 | 4.08 | 4.11 | 219507.5 | 461.342112 | | | 4 |
| + 4.25 | 4.26 | 4.29 | 68969.76 | 137.451251 | | | 5 |
| 4.25 | 4.28 | 4.29 | 83498.84 | 166.406552 | | | 5 |
| 4.64 | 4.65 | 4.68 | 416257.4 | 1136.536949 | | | 6 |
| Height Summation: | | | 1423084.84 | | | | |
| Amount Avg CF: | | | 577.482453 | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:16:37
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0011.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 92% (46-148) Conc.: 26.70577
%SSR(DCB) : 109% (49-139) Conc.: 31.54568

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | | | | | 6 | 4.19 | |
| 2.87 | 2.88 | 2.91 | 375084.5 | 460.228991 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 125938.3 | 154.526398 | | | 1 |
| 3.19 | 3.21 | 3.23 | 492956.3 | 488.666119 | | | 2 |
| 3.39 | 3.40 | 3.43 | 523955.2 | 485.854733 | | | 3 |
| 3.46 | 3.48 | 3.50 | 535494.9 | 483.156505 | | | 4 |
| 3.63 | 3.64 | 3.67 | 482960 | 512.744645 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 190085 | 201.807739 | | | 5 |
| 3.72 | 3.73 | 3.76 | 417287.7 | 515.659362 | | | 6 |
| Height Summation: | | | 2827738.6 | | | | |
| Amount Avg CF: | | | 491.051726 | Linear: | | | |
| **Aroclor-1221** | | | | | 3 | 25.59 | |
| 2.75 | 2.77 | 2.79 | 86838.86 | 190.93989 | | | 1 |
| 2.81 | 2.83 | 2.85 | 85246.18 | 294.14662 | | | 2 |
| 2.87 | 2.88 | 2.91 | 375084.5 | 321.276847 | | | 3 |
| + 2.87 | 2.91 | 2.91 | 125938.3 | 107.871853 | | | 3 |
| Height Summation: | | | 547169.54 | | | | |
| Amount Avg CF: | | | 268.787785 | Linear: | | | |
| **Aroclor-1232** | | | | | 6 | 31.41 | |
| 2.87 | 2.88 | 2.91 | 375084.5 | 328.05383 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 125938.3 | 110.147291 | | | 1 |
| 3.20 | 3.21 | 3.24 | 492956.3 | 902.841483 | | | 2 |
| 3.39 | 3.40 | 3.43 | 523955.2 | 900.272638 | | | 3 |
| 3.47 | 3.48 | 3.51 | 535494.9 | 937.794922 | | | 4 |
| E 3.63 | 3.64 | 3.67 | 482960 | 1080.813501 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 190085 | 425.390166 | | | 5 |
| E 3.72 | 3.73 | 3.76 | 417287.7 | 1016.801942 | | | 6 |
| Height Summation: | | | 2827738.6 | | | | |
| Amount Avg CF: | | | 861.096386 | Linear: | | | |
| **Aroclor-1242** | | | | | 6 | 4.85 | |
| 2.87 | 2.88 | 2.91 | 375084.5 | 624.628155 | | | 1 |
| + 2.87 | 2.91 | 2.91 | 125938.3 | 209.72503 | | | 1 |
| 3.20 | 3.21 | 3.24 | 492956.3 | 663.24495 | | | 2 |
| 3.39 | 3.40 | 3.43 | 523955.2 | 668.253754 | | | 3 |
| 3.47 | 3.48 | 3.51 | 535494.9 | 705.461034 | | | 4 |
| 3.63 | 3.64 | 3.67 | 482960 | 708.258686 | | | 5 |
| + 3.63 | 3.66 | 3.67 | 190085 | 278.758805 | | | 5 |
| 3.72 | 3.73 | 3.76 | 417287.7 | 702.37354 | | | 6 |
| Height Summation: | | | 2827738.6 | | | | |
| Amount Avg CF: | | | 678.703353 | Linear: | | | |
| **Aroclor-1248** | | | | | 6 | 87.06 | |
| + 3.50 | 3.51 | 3.54 | 391224 | 360.864695 | | | 1 |
| 3.50 | 3.54 | 3.54 | 441836.7 | 407.549808 | | | 1 |
| 3.63 | 3.64 | 3.67 | 482960 | 368.442289 | | | 2 |
| + 3.63 | 3.66 | 3.67 | 190085 | 145.012739 | | | 2 |
| 3.72 | 3.73 | 3.76 | 417287.7 | 436.208537 | | | 3 |
| 3.85 | 3.86 | 3.89 | 772632.6 | 424.952403 | | | 4 |
| + 3.85 | 3.89 | 3.89 | 126376 | 69.507532 | | | 4 |
| + 4.21 | 4.22 | 4.25 | 338126.5 | 412.404684 | | | 5 |
| 4.21 | 4.23 | 4.25 | 1327061 | 1618.584089 | | | 5 |
| + 4.37 | 4.38 | 4.40 | 252900.2 | 514.609566 | | | 6 |
| 4.37 | 4.40 | 4.40 | 1067908 | 2173.013989 | | | 6 |
| Height Summation: | | | 4509686 | | | | |
| Amount Avg CF: | | | 904.791853 | Linear: | | | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSDACF DF5 ATW15MSD Sample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.12 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

## Analysis Report (A)

Injected on : Sep 15, 2016 11:16:37
Instrument : P 25--18274A
Result file : 25PCBS16207035.0011.RAW
Calibration file : 25PCBS1620701.CAL
Method file : 25PCBS.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 130.80 | |
| 4.23 | 4.24 | 4.27 | 325111.2 | 527.770476 | | | 1 |
| + 4.23 | 4.26 | 4.27 | 68969.76 | 111.962316 | | | 1 |
| 4.58 | 4.60 | 4.62 | 269799.7 | 456.503036 | | | 2 |
| 4.64 | 4.65 | 4.68 | 416257.4 | 375.088967 | | | 3 |
| E 4.77 | 4.77 | 4.81 | 1880939 | 5223.635631 | | | 4 |
| 4.86 | 4.86 | 4.90 | 216240.2 | 306.37409 | | | 5 |
| + 4.86 | 4.89 | 4.90 | 18816.54 | 26.659707 | | | 5 |
| 5.06 | 5.07 | 5.10 | 1178430 | 2018.995883 | | | 6 |
| Height Summation: | | | **4286777.5** | | | | |
| Amount Avg CF: | | | **1484.728014** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.20 | |
| 4.76 | 4.77 | 4.80 | 1880939 | 2334.342663 | | | 1 |
| 4.96 | 4.97 | 5.00 | 2550514 | 2925.314609 | | | 2 |
| 5.23 | 5.24 | 5.27 | 1653083 | 3114.78787 | | | 3 |
| 5.40 | 5.41 | 5.44 | 2167680 | 3264.368768 | | | 4 |
| 5.64 | 5.65 | 5.68 | 5739668 | 4141.036779 | | | 5 |
| 5.84 | 5.85 | 5.88 | 3099312 | 3921.239658 | | | 6 |
| Height Summation: | | | **17091196** | | | | |
| Amount Avg CF: | | | **3283.515058** | Linear: | | | |
| **Aroclor-1262** | | | | | 5 | 23.41 | |
| E 5.23 | 5.24 | 5.27 | 1653083 | 1739.81896 | | | 1 |
| E 5.40 | 5.41 | 5.44 | 2167680 | 2617.378614 | | | 2 |
| E 5.64 | 5.65 | 5.68 | 5739668 | 3039.17858 | | | 3 |
| E 5.84 | 5.85 | 5.88 | 3099312 | 2866.385819 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1306980 | 1946.102412 | | | 6 |
| Height Summation: | | | **13966723** | | | | |
| Amount Avg CF: | | | **2441.772877** | Linear: | | | |
| **Aroclor-1268** | | | | | 5 | 90.26 | |
| E 5.84 | 5.85 | 5.88 | 3099312 | 1410.469024 | | | 1 |
| 6.03 | 6.04 | 6.07 | 64275.01 | 36.106955 | | | 3 |
| + 6.10 | 6.10 | 6.14 | 77314.79 | 156.685269 | | | 4 |
| E 6.10 | 6.13 | 6.14 | 537400.5 | 1089.089709 | | | 4 |
| E 6.28 | 6.28 | 6.32 | 1306980 | 1713.561555 | | | 5 |
| 6.48 | 6.48 | 6.52 | 279871.3 | 53.619087 | | | 6 |
| Height Summation: | | | **5287838.81** | | | | |
| Amount Avg CF: | | | **860.569266** | Linear: | | | |

## Analysis Report (B)

Injected on : Sep 15, 2016 11:16:37
Instrument : P 25--18274B
Result file : 25PCBS16207035B.0011.RAW
Calibration file : 25PCBS1620701B.CAL
Method file : 25PCBSB.MET

| Min | R.T. | Max | Height | Amount | Pks | %RSD | Peak |
|---|---|---|---|---|---|---|---|
| **Aroclor-1254** | | | | | 6 | 125.78 | |
| 4.15 | 4.16 | 4.19 | 226849.4 | 153.097102 | | | 1 |
| + 4.21 | 4.22 | 4.25 | 338126.5 | 131.24208 | | | 2 |
| 4.21 | 4.23 | 4.25 | 1327061 | 515.091972 | | | 2 |
| 4.30 | 4.31 | 4.34 | 4572381 | 3766.750173 | | | 3 |
| + 4.37 | 4.38 | 4.41 | 252900.2 | 154.42055 | | | 4 |
| 4.37 | 4.40 | 4.41 | 1067908 | 652.063309 | | | 4 |
| E 4.43 | 4.44 | 4.47 | 6126632 | 6238.108191 | | | 5 |
| 4.58 | 4.60 | 4.62 | 577313 | 504.603174 | | | 6 |
| Height Summation: | | | **13898144.4** | | | | |
| Amount Avg CF: | | | **1971.618987** | Linear: | | | |
| **Aroclor-1260** | | | | | 6 | 20.49 | |
| 4.29 | 4.31 | 4.33 | 4572381 | 2326.891707 | | | 1 |
| 4.43 | 4.44 | 4.47 | 6126632 | 2754.468456 | | | 2 |
| 4.53 | 4.55 | 4.57 | 4531350 | 2442.751963 | | | 3 |
| 4.88 | 4.89 | 4.92 | 4745026 | 3209.447544 | | | 4 |
| + 4.88 | 4.91 | 4.92 | 545430.2 | 368.918867 | | | 4 |
| 5.07 | 5.08 | 5.11 | 12897070 | 3935.512555 | | | 5 |
| 5.33 | 5.34 | 5.37 | 7469402 | 3401.672143 | | | 6 |
| Height Summation: | | | **40341861** | | | | |
| Amount Avg CF: | | | **3011.790728** | Linear: | | | |
| **Aroclor-1262** | | | | | 6 | 32.29 | |
| E 4.69 | 4.70 | 4.73 | 3610935 | 1434.848865 | | | 1 |
| E 4.88 | 4.89 | 4.92 | 4745026 | 1847.85089 | | | 2 |
| + 4.88 | 4.91 | 4.92 | 545430.2 | 212.406356 | | | 2 |
| E 5.07 | 5.08 | 5.11 | 12897070 | 2736.667443 | | | 3 |
| E 5.28 | 5.30 | 5.32 | 2072564 | 1066.744941 | | | 4 |
| E 5.33 | 5.34 | 5.37 | 7469402 | 2322.743076 | | | 5 |
| E 5.71 | 5.72 | 5.75 | 3027500 | 1752.275738 | | | 6 |
| Height Summation: | | | **33822497** | | | | |
| Amount Avg CF: | | | **1860.188492** | Linear: | | | |
| **Aroclor-1268** | | | | | 6 | 124.35 | |
| 5.29 | 5.30 | 5.33 | 2072564 | 358.572415 | | | 1 |
| E 5.33 | 5.34 | 5.37 | 7469402 | 1334.998097 | | | 2 |
| 5.49 | 5.49 | 5.53 | 119003.4 | 24.271747 | | | 3 |
| 5.55 | 5.56 | 5.59 | 66231.84 | 56.253579 | | | 4 |
| + 5.55 | 5.59 | 5.59 | 5900.093 | 5.011205 | | | 4 |
| E 5.71 | 5.72 | 5.75 | 3027500 | 1526.498276 | | | 5 |
| 5.91 | 5.92 | 5.95 | 585512.8 | 35.901503 | | | 6 |
| Height Summation: | | | **13340214.04** | | | | |
| Amount Avg CF: | | | **556.082603** | Linear: | | | |

## Summary Report

| Compound Name | Column | Higher Amount Found | LOQ | MDL | Qualifiers | %Difference | No of Hits Required | Max %RSD | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | | | 251.9763 | 48.913 | | 6.01 | 4 | 40 | |
| Aroclor-1221 | | | 251.9763 | 75.5929 | | 2.39 | 3 | 5 | |
| Aroclor-1232 | | | 251.9763 | 60.7707 | E | 1.56 | 4 | 10 | |
| Aroclor-1242 | | | 251.9763 | 60.7707 | | 7.59 | 4 | 30 | |
| Aroclor-1248 | | | 251.9763 | 48.913 | | ** 44.16 | 4 | 40 | |
| Aroclor-1254 | | | 251.9763 | 65.2174 | E | 28.17 | 4 | 40 | |
| Aroclor-1260 | | | 251.9763 | 57.8063 | | 8.63 | 4 | 40 | |
| Aroclor-1262 | | | 251.9763 | 48.913 | E | 27.04 | 4 | 40 | |

# Eurofins Lancaster Laboratories-Multiple Component Data Summary

**Sample Name:** **8577888** MSDACF DF5 ATW15MSDSample ID: AC **Batchnumber: 162570008A**
Sample Amount: 10.12 g Total Volume: 50 ml Analyst: 9065 SDG: ATD58 State: DE
Analyses: 10225

Analysis Report (A)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:16:37 |
| Instrument | : P 25--18274A |
| Result file | : 25PCBS16207035.0011.RAW |
| Calibration file | : 25PCBS1620701.CAL |
| Method file | : 25PCBS.MET |

Analysis Report (B)

| | |
|---|---|
| Injected on | : Sep 15, 2016 11:16:37 |
| Instrument | : P 25--18274B |
| Result file | : 25PCBS16207035B.0011.RAW |
| Calibration file | : 25PCBS1620701B.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-1268 | | | 251.9763 | 48.913 | E | ** 42.99 | 4 | 40 | |

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 8577888MSDACF DF5 ACATW15MSD MSD 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:16:37 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: 25pcbs16207035.0011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1620701.CAL

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 2.006 | | 3282 | 1916 |
| 2.038 | | 8132 | 6576 |
| 2.09 | | 7921 | 9127 |
| 2.133 | | 29928 | 38673 |
| 2.197 | | 47223 | 37860 |
| 2.309 | | 18512 | 14704 |
| 2.33 | | 3395 | 2413 |
| 2.382 | | 25432 | 20504 |
| 2.443 | | 866 | 1249 |
| 2.488 | | 1554 | 965 |
| 2.565 | | 5116 | 6170 |
| 2.627 | | 4710 | 2579 |
| 2.648 | | 32502 | 21457 |
| 2.714 | | 692 | 847 |
| 2.735 | | 2707 | 1764 |
| 2.767 | | 2002 | 5476 |
| 2.925 | TCX | 810014 | 542210 |
| 3.014 | | 1026 | 487 |
| 3.039 | | 6145 | 3981 |
| 3.079 | | 44258 | 38134 |
| 3.138 | | 53861 | 38408 |
| 3.186 | | 236162 | 168714 |
| 3.233 | | 102025 | 93264 |
| 3.28 | | 33086 | 23107 |
| 3.318 | | 1563 | 1131 |
| 3.363 | | 932 | 1432 |
| 3.402 | | 238978 | 145966 |
| 3.419 | | 115767 | 62128 |
| 3.456 | | 32136 | 27322 |
| 3.489 | | 23235 | 13190 |
| 3.519 | | 278871 | 214969 |
| 3.568 | | 3562 | 4306 |
| 3.594 | | 16616 | 11459 |
| 3.63 | | 92202 | 106084 |
| 3.69 | | 133266 | 76640 |
| 3.701 | | 269198 | 140295 |
| 3.738 | | 335445 | 259702 |
| 3.797 | | 280140 | 224957 |
| 3.836 | | 25681 | 18210 |
| 3.863 | | 204458 | 155729 |
| 3.891 | | 186806 | 263599 |
| 3.989 | | 219223 | 164757 |
| 4.013 | | 83568 | 52530 |
| 4.043 | | 98361 | 70037 |
| 4.08 | | 219508 | 248030 |
| 4.12 | | 78511 | 63251 |
| 4.15 | | 2480 | 1288 |
| 4.166 | | 11251 | 7190 |
| 4.204 | | 27378 | 24000 |
| 4.239 | | 325111 | 251151 |
| 4.26 | | 68970 | 39491 |
| 4.284 | | 83499 | 60294 |
| 4.35 | | 78925 | 66142 |
| 4.394 | | 379882 | 363188 |

| RT A | Compound A | Height A | Area A |
|---|---|---|---|
| 4.428 | | 39993 | 29123 |
| 4.468 | | 4658 | 3284 |
| 4.492 | | 11653 | 9283 |
| 4.532 | | 96992 | 102061 |
| 4.602 | | 269800 | 384630 |
| 4.649 | | 416257 | 375050 |
| 4.694 | | 759429 | 847503 |
| 4.732 | | 185930 | 136504 |
| 4.772 | | 1880939 | 1733067 |
| 4.813 | | 15413 | 18073 |
| 4.862 | | 216240 | 261356 |
| 4.893 | | 18817 | 11485 |
| 4.919 | | 402070 | 387063 |
| 4.972 | | 2550515 | 3042477 |
| 5.021 | | 448953 | 405062 |
| 5.065 | | 1178430 | 1348267 |
| 5.108 | | 24211 | 14457 |
| 5.144 | | 277452 | 327693 |
| 5.181 | | 3254612 | 3469176 |
| 5.243 | | 1653083 | 1491272 |
| 5.286 | | 1109051 | 1083360 |
| 5.339 | | 4312 | 3275 |
| 5.408 | | 2167681 | 2860790 |
| 5.466 | | 995877 | 931435 |
| 5.506 | | 525875 | 481886 |
| 5.547 | | 114498 | 107639 |
| 5.592 | | 605840 | 559786 |
| 5.62 | | 19680 | 10675 |
| 5.647 | | 5739669 | 5628818 |
| 5.737 | | 11792 | 12290 |
| 5.77 | | 3073 | 1696 |
| 5.79 | | 7297 | 5011 |
| 5.855 | | 3099313 | 3163210 |
| 5.894 | | 755052 | 1547888 |
| 5.954 | | 8857 | 7370 |
| 6.039 | | 64275 | 92521 |
| 6.104 | | 77315 | 61564 |
| 6.126 | | 537401 | 477532 |
| 6.192 | | 4057 | 5360 |
| 6.25 | | 5178 | 3965 |
| 6.284 | | 1306980 | 1316707 |
| 6.329 | | 93281 | 93967 |
| 6.397 | | 4329 | 5159 |
| 6.485 | | 279871 | 317690 |
| 6.632 | DCB | 548586 | 641183 |
| 6.71 | | 5502 | 5427 |
| 6.774 | | 928 | 739 |
| 6.844 | | 1251 | 1190 |
| 6.904 | | 2023 | 2912 |
| 6.942 | | 8855 | 10101 |

LANCASTER LABORATORIES

Sample Number: 8577888MSDACF DF5 ACATW15MSD MSD 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:16:37 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: 25pcbs16207035B.0011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1620701B.CAL

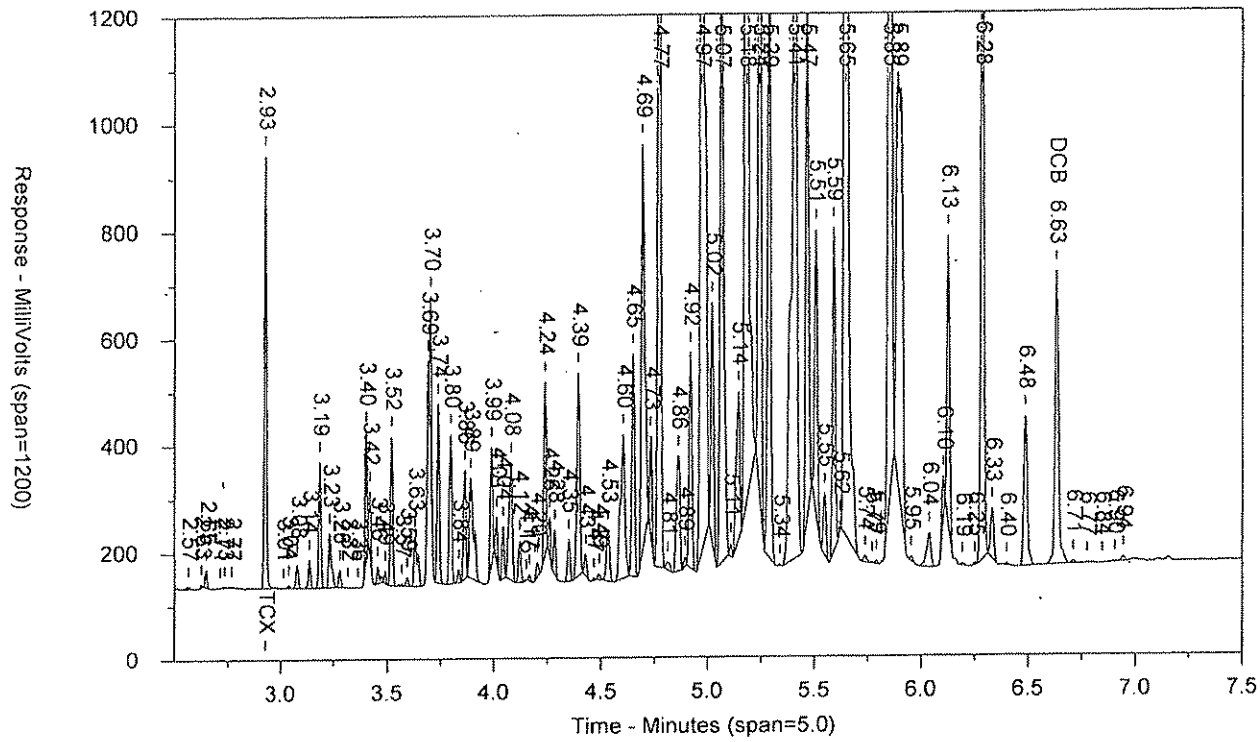
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 2.013 | | 3973 | 1702 |
| 2.04 | | 11100 | 11110 |
| 2.056 | | 9525 | 7711 |
| 2.101 | | 18401 | 26374 |
| 2.146 | | 33907 | 27414 |
| 2.176 | | 2928 | 1326 |
| 2.196 | | 2624 | 1652 |
| 2.217 | | 7859 | 4304 |
| 2.236 | | 3723 | 3835 |
| 2.294 | | 13687 | 25043 |
| 2.35 | | 52958 | 36299 |
| 2.369 | | 4721 | 8935 |
| 2.431 | | 3721 | 5060 |
| 2.449 | | 4542 | 2320 |
| 2.475 | | 8047 | 8178 |
| 2.524 | | 8964 | 10435 |
| 2.574 | | 2311 | 1598 |
| 2.599 | TCX | 1327595 | 768479 |
| 2.644 | | 33294 | 24420 |
| 2.691 | | 5920 | 7594 |
| 2.77 | | 86839 | 55557 |
| 2.794 | | 2900 | 1224 |
| 2.831 | | 85246 | 57026 |
| 2.883 | | 375085 | 213812 |
| 2.905 | | 125938 | 61319 |
| 2.933 | | 4923 | 2876 |
| 2.955 | | 3008 | 1745 |
| 2.993 | | 56483 | 38150 |
| 3.026 | | 2637 | 1690 |
| 3.054 | | 3534 | 4276 |
| 3.09 | | 511361 | 484667 |
| 3.141 | | 59988 | 35133 |
| 3.162 | | 28719 | 14907 |
| 3.188 | | 46119 | 24429 |
| 3.211 | | 492956 | 318217 |
| 3.248 | | 29850 | 17899 |
| 3.295 | | 156694 | 147177 |
| 3.338 | | 2366 | 1269 |
| 3.37 | | 941514 | 947741 |
| 3.403 | | 523955 | 401141 |
| 3.478 | | 535495 | 329713 |
| 3.513 | | 391224 | 236334 |
| 3.537 | | 441837 | 241422 |
| 3.555 | | 143543 | 69075 |
| 3.61 | | 2644 | 1306 |
| 3.64 | | 482960 | 312097 |
| 3.663 | | 190085 | 102848 |
| 3.684 | | 182669 | 104374 |
| 3.713 | | 129343 | 67578 |
| 3.73 | | 417288 | 238944 |
| 3.77 | | 151941 | 100239 |
| 3.816 | | 40423 | 36791 |
| 3.839 | | 108048 | 63198 |
| 3.86 | | 772633 | 487631 |

| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 3.885 | | 126376 | 73350 |
| 3.905 | | 34613 | 16928 |
| 3.925 | | 154910 | 96541 |
| 3.959 | | 779845 | 513864 |
| 3.991 | | 89439 | 51198 |
| 4.008 | | 60986 | 31887 |
| 4.068 | | 15397 | 17218 |
| 4.101 | | 111348 | 126517 |
| 4.131 | | 18867 | 16723 |
| 4.158 | | 226849 | 149601 |
| 4.2 | | 390454 | 234030 |
| 4.218 | | 338127 | 153832 |
| 4.232 | | 1327061 | 740394 |
| 4.256 | | 673567 | 675280 |
| 4.308 | | 4572381 | 3167404 |
| 4.356 | | 73529 | 77884 |
| 4.377 | | 252900 | 155820 |
| 4.401 | | 1067908 | 775532 |
| 4.444 | | 6126632 | 4423080 |
| 4.498 | | 7435 | 5381 |
| 4.545 | | 4531351 | 4109225 |
| 4.597 | | 577313 | 481000 |
| 4.635 | | 1354257 | 1160353 |
| 4.671 | | 6522793 | 5409158 |
| 4.703 | | 3610935 | 2419605 |
| 4.741 | | 2477321 | 1833433 |
| 4.798 | | 14468 | 7829 |
| 4.811 | | 4571 | 1954 |
| 4.839 | | 750412 | 746704 |
| 4.889 | | 4745027 | 3480514 |
| 4.913 | | 545430 | 338572 |
| 4.963 | | 2482052 | 2088777 |
| 4.997 | | 1224806 | 937515 |
| 5.028 | | 917250 | 731359 |
| 5.06 | | 196219 | 112281 |
| 5.082 | | 12897070 | 10076550 |
| 5.123 | | 220818 | 164422 |
| 5.154 | | 324920 | 262303 |
| 5.199 | | 10017 | 7889 |
| 5.219 | | 12501 | 7556 |
| 5.273 | | 103120 | 61157 |
| 5.296 | | 2072564 | 1624337 |
| 5.34 | | 7469402 | 7910743 |
| 5.441 | | 4318 | 6228 |
| 5.495 | | 119003 | 98253 |
| 5.54 | | 212327 | 163048 |
| 5.563 | | 66232 | 43833 |
| 5.587 | | 5900 | 3560 |
| 5.612 | | 1261061 | 1032027 |
| 5.653 | | 9735 | 9132 |
| 5.692 | | 9979 | 5950 |
| 5.719 | | 3027500 | 2429094 |
| 5.75 | | 159522 | 112970 |
| 5.831 | | 6799 | 6341 |
| 5.857 | | 3842 | 4986 |
| 5.918 | | 585513 | 519015 |
| 6.009 | | 3514 | 2967 |
| 6.039 | | 12261 | 12084 |
| 6.077 | DCB | 1214639 | 1033144 |
| 6.112 | | 6804 | 4728 |
| 6.181 | | 4294 | 3919 |
| 6.205 | | 2660 | 2357 |
| 6.251 | | 6781 | 4751 |
| 6.277 | | 43716 | 36531 |
| 6.316 | | 2508 | 1742 |
| 6.344 | | 9993 | 14367 |

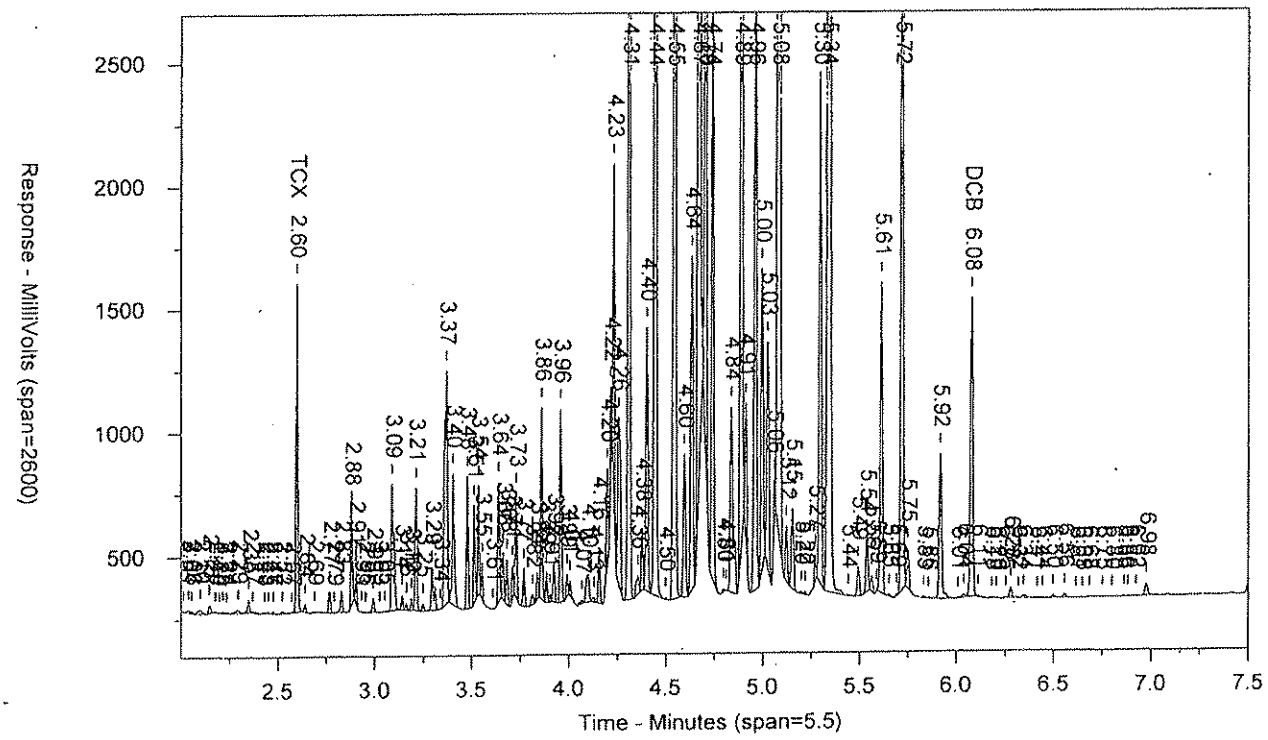
| RT B | Compound B | Height B | Area B |
|---|---|---|---|
| 6.415 | | 4386 | 3688 |
| 6.443 | | 4980 | 4686 |
| 6.497 | | 11579 | 13672 |
| 6.555 | | 14032 | 14442 |
| 6.615 | | 1714 | 1850 |
| 6.647 | | 1342 | 1384 |
| 6.684 | | 1569 | 1156 |
| 6.751 | | 1213 | 1755 |
| 6.801 | | 1395 | 1502 |
| 6.862 | | 1390 | 2011 |
| 6.882 | | 1458 | 1396 |
| 6.923 | | 2033 | 2190 |
| 6.977 | | 48570 | 47477 |

8577888MSDACF DF5 ACATW15MSD MSD 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0011.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0011.RAW



LANCASTER LABORATORIES

Sample Number: 8577888MSDACF DF5 ACATW15MSD MSD 162570008A 10225 SW-846 8082
Injected On: 9/15/2016 11:16:37 AM Sample Weight: 10.12
Instrument ID: CP25-18274 Dilution Factor: 50
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: 4
Calibration Type: external
Quantitation: Height

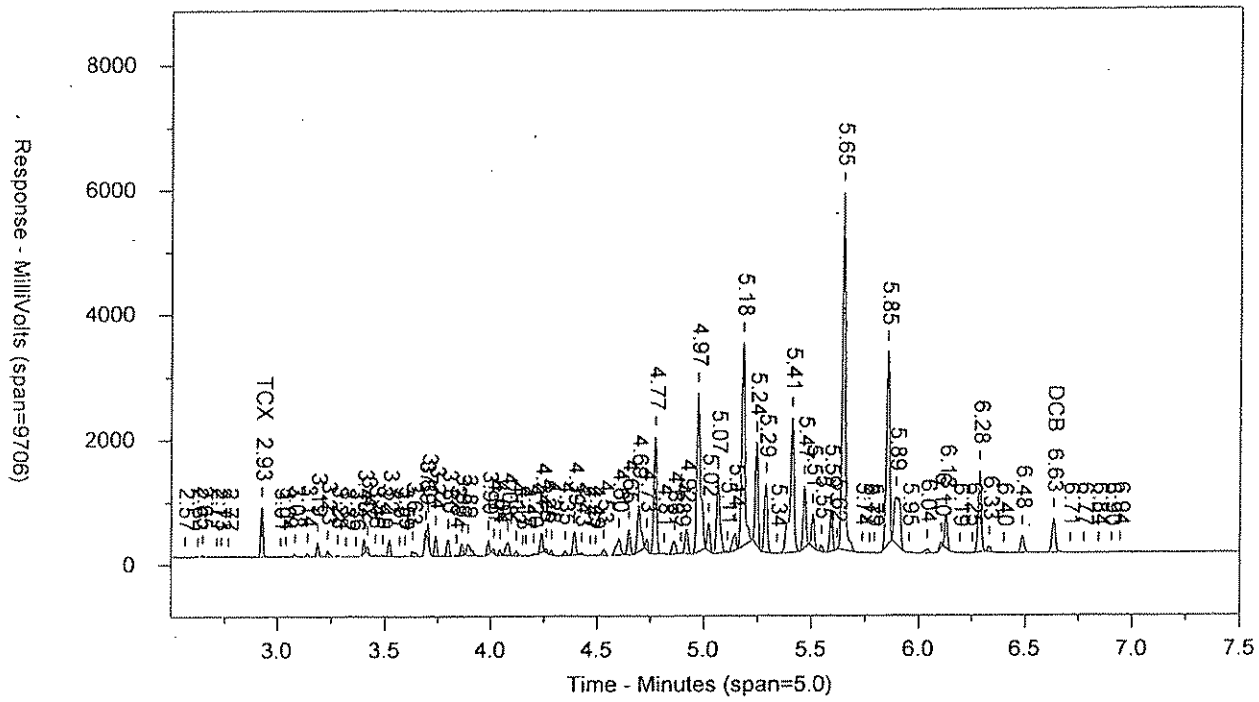
Analyst: 9065

| RT A | Height A | Amount A - PPB | Compound A | RT B | Height B | Amount B - PPB | Compound B |
|---|---|---|---|---|---|---|---|
| 2.925 | 810014 | 29.58 | TCX | 2.599 | 1327595 | 26.706 | TCX |
| 6.632 | 548586 | 40.549 | DCB | 6.077 | 1214639 | 31.546 | DCB |

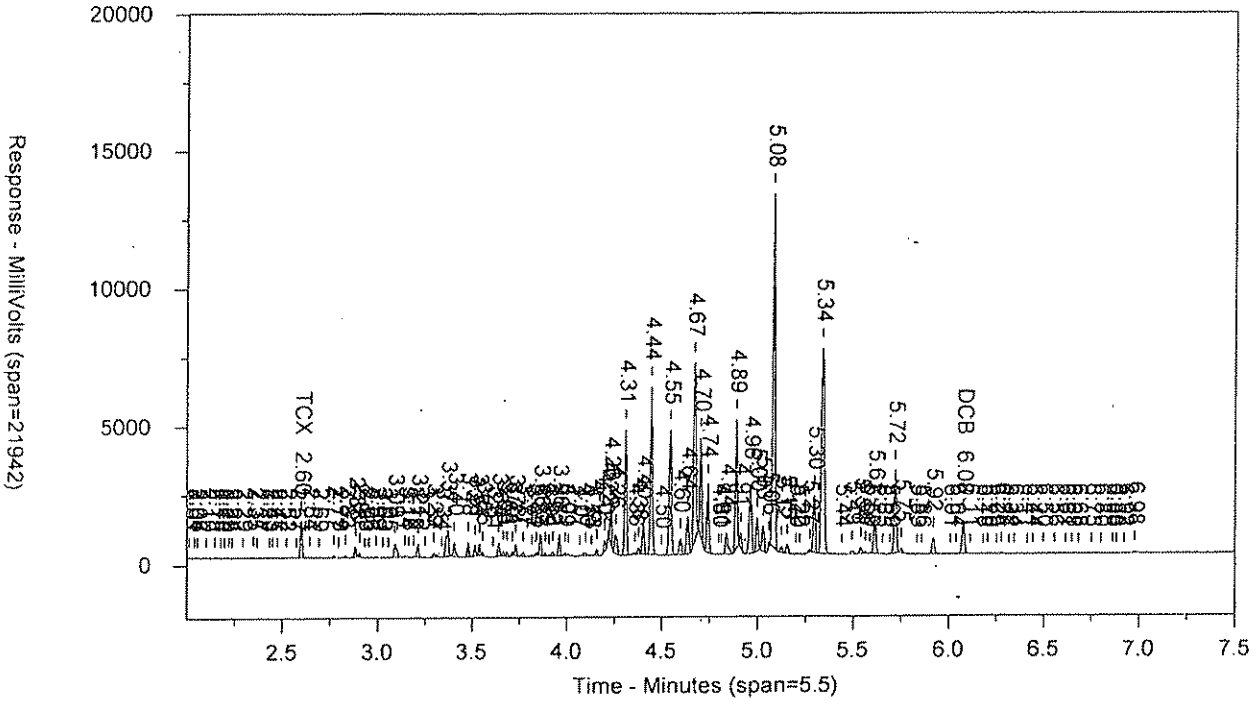
Files:
Area File: 25pcbs16207035.0011.RAW
Area File: 25pcbs16207035B.0011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1620701.CAL
Calibration File B: 25PCBS1620701B.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/15/2016 11:25:08 AM
File Reported On: 9/15/2016 at 11:25:17 AM

8577888MSDACF DF5 ACATW15MSD MSD 162570008A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035.0011.RAW




\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs16207035B.0011.RAW



# Extraction/Distillation/Digestion Logs

# Polychlorinated Biphenyls (PCBs)

**Organic Extraction Batchlog** Assigned to: 504 Sally Appleyard

**162570008A**

Reviewed by: KBT 1066 Start Date 9/13/16 Start time: 18:00

Tech SLA 604 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 |
| 8577888MSD | ATW15MSD | 10.12 | SS1625324B | 1.0 | MS1623224B | 1.0 | 10 | Z | Z | 314c | |
| 8577888MS | ATW15MS | 10.49 | SS1625324B | | MS1623224B | 1.0 | 10 | Z | Z | 314b | |
| BLANKA | PBLK08257 | 10.0 | SS1625324B | | | | 10 | Z | Z | | |
| LCSA | LCS08257 | 10.0 | SS1625324B | | MS1623224B | 1.0 | 10 | Z | Z | | |

| Solvent Used | Lot No. |
|---|---|
| 1:1 MeCl2/Acetone | 185082576A |
| Filter Paper | 9729320 |
| Hexane | 163928 |
| Sodium Sulfate | 162356A |
| | |

Spike Solutions: Witness: N/A

MS1623224B PCB SPIKE

SS1625324B SW846 SURROGATE STANDARI

| Sample # | Sample Code | Amt (g) | SS/IS Sol. | Amt (mL) | FV (mL) | pH | pH | BC | Comments | Analyses | List | Due Date | Prio |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18577888 | ATW15 | 10.25 | SS1625324B | 1.0 | 10 | Z | Z | 314a | Soil;Wet;Rocks;Brown | 10225 | 1869 | 09/15/2016 | S |
| 28577889 | ATW16 | 10.34 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Brown;Fuel Odor | 10225 | 1869 | 09/15/2016 | S |
| 38577890 | ATW17 | 10.34 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Brown;Fuel Odor | 10225 | 1869 | 09/15/2016 | S |
| 48577891 | ATW18 | 10.26 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Sandy;Brown;Red | 10225 | 1869 | 09/15/2016 | S |
| 58577892 | ATW19 | 10.28 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Black;Brown | 10225 | 1869 | 09/15/2016 | S |
| 68577893 | ATW20 | 10.13 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black;Brown | 10225 | 1869 | 09/15/2016 | S |
| 78577894 | ATW21 | 10.20 | SS1625324B | | 10 | Z | Z | 314A | Soil;Sandy;Rocks;Brown;Red | 10225 | 1869 | 09/15/2016 | S |
| 88577895 | ATW22 | 10.37 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Sandy;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 98577896 | ATW40 | 10.44 | SS1625324B | | 10 | Z | Z | 314A | Organic Matter;Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 108577897 | ATW41 | 10.45 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 118577898 | ATW42 | 10.19 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 128577899 | ATW43 | 10.26 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 138577900 | ATW44 | 10.05 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 148577901 | ATW45 | 10.13 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 158577902 | ATW46 | 10.10 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 168577903 | ATW47 | 10.06 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |
| 178577904 | ATW48 | 10.11 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Brown;Orange | 10225 | 1869 | 09/15/2016 | S |
| 188577905 | ATW49 | 10.23 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Sandy;Black | 10225 | 1869 | 09/15/2016 | S |
| 198577906 | ATW50 | 10.38 | SS1625324B | | 10 | Z | Z | 314A | Soil;Wet;Rocks;Black | 10225 | 1869 | 09/15/2016 | S |

SLA 9/13/16 N/A

| Rack ID: | | Work Station | | Micro Temp 100? | |
|---|---|---|---|---|---|
| Internal Standard | | Balance # | | | |

| S-bath ID | 97 C | S-bath ID | C | N-Evap | C | M-vap | C | 162570008A |
|---|---|---|---|---|---|---|---|---|

Documented temps are NIST corrected.

DF = Dilution Factor FV = Final Volume

# Prep-Process Worksheet

## Acid Cleanup

**Prep:** 14248 PCB 10g Sonication Ext

**Batch No:** 162570008A

Verified: 1/130-2065
Start Date: 9/13/16
Start Time: 11:00
Tech 1: SLA-SOY
Tech 2:

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 8577888 | | 10.0 | 10.0 | | | | 10225 |
| 2 | 8577888 | MS | | | | | | 10225 |
| 3 | 8577888 | MSD | | | | | | 10225 |
| 4 | 8577889 | | | | | | | 10225 |
| 5 | 8577890 | | | | | | | 10225 |
| 6 | 8577891 | | | | | | | 10225 |
| 7 | 8577892 | | | | | | | 10225 |
| 8 | 8577893 | | | | | | | 10225 |
| 9 | 8577894 | | | | | | | 10225 |
| 10 | 8577895 | | | | | | | 10225 |
| 11 | 8577896 | | | | | | | 10225 |
| 12 | 8577897 | | | | | | | 10225 |
| 13 | 8577898 | | | | | | | 10225 |
| 14 | 8577899 | | | | | | | 10225 |
| 15 | 8577900 | | | | | | | 10225 |
| 16 | 8577901 | | | | | | | 10225 |
| 17 | 8577902 | | | | | | | 10225 |
| 18 | 8577903 | | | | | | | 10225 |
| 19 | 8577904 | | | | | | | 10225 |
| 20 | 8577905 | | | | | | | 10225 |
| 21 | 8577906 | | | | | | | 10225 |
| 22 | BLANKA | | | | | | | |
| 23 | LCSA | | | | | | | |

SLA 9/13/16 DK

**Additional Comment:**

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | Hexane | 1603111 |
| | | | |
| | | | |
| | | | |

# Prep-Process Worksheet

| Florisil |
|---|
| Prep: 14248 PCB 10g Sonication Ext |
| Batch: 162570008A |

Verified: KAS 2068
Start Date: 9/13/16
Start Time: 1130
Tech 1: SLA SOY
Tech 2:

| Sample # | | QC | Aliquot (mL) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 8577888 | | 2.0 | 2.0 | | | | 10225 |
| 2 | 8577888 | MS | | | | | | 10225 |
| 3 | 8577888 | MSD | | | | | | 10225 |
| 4 | 8577889 | | | | | | | 10225 |
| 5 | 8577890 | | | | | | | 10225 |
| 6 | 8577891 | | | | | | | 10225 |
| 7 | 8577892 | | | | | | | 10225 |
| 8 | 8577893 | | | | | | | 10225 |
| 9 | 8577894 | | | | | | | 10225 |
| 10 | 8577895 | | | | | | | 10225 |
| 11 | 8577896 | | | | | | | 10225 |
| 12 | 8577897 | | | | | | | 10225 |
| 13 | 8577898 | | | | | | | 10225 |
| 14 | 8577899 | | | | | | | 10225 |
| 15 | 8577900 | | | | | | | 10225 |
| 16 | 8577901 | | | | | | | 10225 |
| 17 | 8577902 | | | | | | | 10225 |
| 18 | 8577903 | | | | | | | 10225 |
| 19 | 8577904 | | | | | | | 10225 |
| 20 | 8577905 | | | | | | | 10225 |
| 21 | 8577906 | | | | | | | 10225 |
| 22 | BLANKA | | | | | | | |
| 23 | LCSA | | | | | | | |

SLA 9/13/16

**Additional Comment:** _____

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | Florisil | 4140116 |
| | | | |
| | | | |
| | | | |
| S-Evap/bath | C | S-Evap/bath | C | N-Evap | C |

- The documented temperatures are NIST corrected.

# Prep-Process Worksheet

## Copper

**Prep:** 14248 PCB 10g Sonication Ext

**Batch No:** 162570008A

Verified: KBS 9065
Start Date: 9/13/16
Start Time: 1:33
Tech 1: SLA-604
Tech 2:

| | Sample # | QC | Aliquot (g) | Final Volume (mL) | D.F. Aliq | D.F. F.V. | Comments | Analyses |
|---|---|---|---|---|---|---|---|---|
| 1 | 8577888 | | 1.0 | 1.0 | | | | 10225 |
| 2 | 8577888 | MS | | | | | | 10225 |
| 3 | 8577888 | MSD | | | | | | 10225 |
| 4 | 8577889 | | | | | | | 10225 |
| 5 | 8577890 | | | | | | | 10225 |
| 6 | 8577891 | | | | | | | 10225 |
| 7 | 8577892 | | | | | | | 10225 |
| 8 | 8577893 | | | | | | | 10225 |
| 9 | 8577894 | | | | | | | 10225 |
| 10 | 8577895 | | | | | | | 10225 |
| 11 | 8577896 | | | | | | | 10225 |
| 12 | 8577897 | | | | | | | 10225 |
| 13 | 8577898 | | | | | | | 10225 |
| 14 | 8577899 | | | | | | | 10225 |
| 15 | 8577900 | | | | | | | 10225 |
| 16 | 8577901 | | | | | | | 10225 |
| 17 | 8577902 | | | | | | | 10225 |
| 18 | 8577903 | | | | | | | 10225 |
| 19 | 8577904 | | | | | | | 10225 |
| 20 | 8577905 | | | | | | | 10225 |
| 21 | 8577906 | | | | | | | 10225 |
| 22 | BLANKA | | | | | | | |
| 23 | LCSA | | | | | | | |

SLA 9/13/16

**Additional Comment:** _____

DF = Dilution Factor FV = Final Volume

| Solvent Used | Lot No. | Solvent Used | Lot No. |
|---|---|---|---|
| | | Copper | 6/5040 BB |
| | | | |
| | | | |
| | | | |

# Moisture Data

eurofins | Lancaster Laboratories Environmental

**CLIENT:** Stantec
**SDG:** ATD58

**MOISTURE**

**SAMPLE NUMBERS:**

| Sample # | Sample Code |
|---|---|
| 8577888 | ATW15 |
| 8577889 | ATW16 |
| 8577890 | ATW17 |
| 8577891 | ATW18 |
| 8577892 | ATW19 |
| 8577893 | ATW20 |
| 8577894 | ATW21 |
| 8577895 | ATW22 |
| 8577896 | ATW40 |
| 8577897 | ATW41 |
| 8577898 | ATW42 |
| 8577899 | ATW43 |
| 8577900 | ATW44 |
| 8577901 | ATW45 |
| 8577902 | ATW46 |
| 8577903 | ATW47 |
| 8577904 | ATW48 |
| 8577905 | ATW49 |
| 8577906 | ATW50 |

**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: 16257820011A | Sample number(s): 8577888-8577896 | | | | |
| Moisture | 100 | | 99-101 | | |
| Batch number: 16257820011B | Sample number(s): 8577897-8577906 | | | | |
| Moisture | 100 | | 99-101 | | |

## Sample Matrix Quality Control

| Analysis Name | BKG Conc | DUP Conc | RPD | RPD Max |
|---|---|---|---|---|
| Batch number: 16257820011A | Sample number(s): 8577888-8577896 | | | |
| Moisture | 25.3 | 25.2 | 1 | 5 |
| Batch number: 16257820011B | Sample number(s): 8577897-8577906 | | | |
| Moisture | 10.3 | 9.9 | 4 | 5 |

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

eurofins | Lancaster Laboratories Environmental

**CLIENT:** Stantec
**SDG:** ATD58

**MOISTURE**

## Moisture Data Report

**Batch #:** 16257820011

| Sample ID | Batch ID | Analysis# | Tare Wt | Sample Wt | Dry Wt | %Moisture | Analysis Date (Emp#) | Verified Date (Emp#) |
|---|---|---|---|---|---|---|---|---|
| 8577888 | A | 00111 | 1.0614 | 5.6871 | 6.3370 | 7.24 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577889 | A | 00111 | 1.0539 | 7.6695 | 7.7015 | 13.32 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577890 | A | 00111 | 1.0359 | 7.6541 | 7.7672 | 12.06 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577891 | A | 00111 | 1.0798 | 7.1229 | 7.4912 | 9.99 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577892 | A | 00111 | 1.0847 | 5.9134 | 6.3578 | 10.83 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577893 | A | 00111 | 1.0562 | 6.0479 | 6.4656 | 10.56 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577894 | A | 00111 | 1.0458 | 7.5520 | 8.0948 | 6.66 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577895 | A | 00111 | 1.1110 | 6.4284 | 6.9893 | 8.56 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577896 | A | 00111 | 1.1037 | 5.9997 | 6.3294 | 12.90 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| P577073BKG | A | 00111 | 1.0909 | 8.8806 | 7.7219 | 25.33 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| P577073DUP | A | 00111 | 1.0515 | 8.4906 | 7.4033 | 25.19 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577897 | B | 00111 | 1.0870 | 5.4093 | 6.0182 | 8.84 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577898BKG | B | 00111 | 1.0564 | 7.1233 | 7.4445 | 10.32 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577898DUP | B | 00111 | 1.0473 | 7.2629 | 7.5890 | 9.93 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577899 | B | 00111 | 1.0729 | 7.8549 | 8.2114 | 9.12 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577900 | B | 00111 | 1.1372 | 5.7740 | 6.3390 | 9.91 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577901 | B | 00111 | 1.0262 | 6.3362 | 6.3750 | 15.58 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577902 | B | 00111 | 1.0431 | 6.4546 | 6.9701 | 8.17 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577903 | B | 00111 | 1.0582 | 6.5868 | 6.8688 | 11.78 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577904 | B | 00111 | 1.0569 | 7.0041 | 7.6045 | 6.52 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577905 | B | 00111 | 1.1234 | 7.3322 | 7.7760 | 9.27 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| 8577906 | B | 00111 | 1.1014 | 6.2925 | 6.6779 | 11.38 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |
| LCS 89.5% Std. | | 00111 | 1.1190 | 5.0154 | 1.6487 | 89.44 | 9/13/16 (1201/SWF) | 9/14/16 (236/CW) |