

***Boliden Metech Allens Avenue Facility***

***Laboratory Analytical Results, Sampling Round 10***

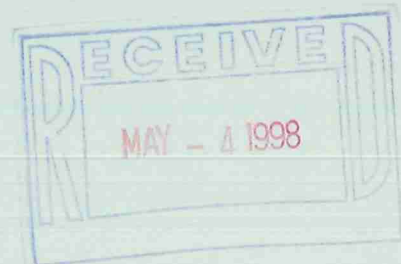
434 Allens Avenue  
Providence,  
Rhode Island

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Prepared for **Boliden Metech, Inc.**  
**Mapleville, Rhode Island**

Prepared by **VHB/Vanasse Hangen Brustlin, Inc.**  
**Watertown, Massachusetts**

March 1998



MITKEM  
CORPORATION

February 24, 1998

Vanasse Hangen Brustlin, Inc.  
101 Walnut Street, PO Box 9151  
Watertown, MA 02272  
Attn: Mr. Mark Richards

RE: Client Project #: 05437, Boliden Metech—PCB Reporting Limits.  
Lab Project #: E0064

Dear Mr. Richards:

Enclosed please find the revised data report sheets for the PCB analyses for the samples associated with the above referenced project. The reporting limits were revised per your request of last week.

We examined the original raw data to determine if PCBs were present below our routine reporting limit of 1 ug/L. No PCB was detected in any sample where it was not detected previously. All samples originally reported as "ND" remained not detected.

We reduced the reporting limit to 0.5 ug/L based on our calculated Method Detection Limits of 0.1 ug/L and below for PCBs. Our routine PCB reporting limit is approximately 10X our calculated MDL. We occasionally reduce it on a case-by-case basis to less than 10X. As we discussed, the relationship between MDL and reporting limit can vary by test, instrument and laboratory. For this set of samples we are comfortable in reducing the reporting limits for these samples to 0.5 ug/L.

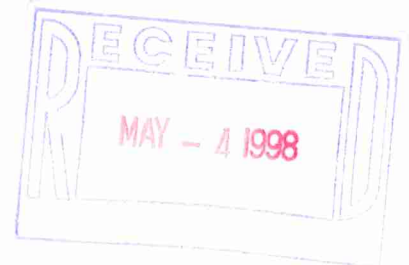
If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,



Edward A. Lawler  
Laboratory Operations Manager





### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-1  
Lab ID: E0064-01  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 98%  
Decachlorobiphenyl 50%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-2  
Lab ID: E0064-02  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	45%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-3  
Lab ID: E0064-03  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 93%  
Decachlorobiphenyl 58%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-5  
Lab ID: E0064-05  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 85%  
Decachlorobiphenyl 46%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-6  
Lab ID: E0064-06  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 84%  
Decachlorobiphenyl 45%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-7  
Lab ID: E0064-07  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 100%  
Decachlorobiphenyl 61%

ND = Not Detected





### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-8  
Lab ID: E0064-08  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 84%  
Decachlorobiphenyl 57%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: WB-1  
Lab ID: E0064-09  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 79%  
Decachlorobiphenyl 83%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: PERB-1  
Lab ID: E0064-10  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	76%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-5(D)  
Lab ID: E0064-11  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 88%  
Decachlorobiphenyl 47%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID:  
Lab ID: Method Blank, P0120-B2  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	0.5
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.5
Aroclor-1242	ND	0.5
Aroclor-1248	ND	0.5
Aroclor-1254	ND	0.5
Aroclor-1260	ND	0.5

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 104%  
Decachlorobiphenyl 129%

ND = Not Detected



**Client: VHB, Inc.**

**Client Project: 05437, Boliden Metech**

**Lab Project: E0064**

**Date samples received: 1/19/98**

### **Project Narrative**

This data report includes the analysis results for eleven (11) aqueous and two (2) ampule samples that were received from VHB, Inc. on January 19, 1998. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Please note that for the analysis of MW-4, probably due to weathering, the peak pattern could not be matched perfectly for either Aroclor 1254 or 1260. It was however reported as Aroclor 1260 due to better correlation of the later eluting peaks.

All of the analyses were performed according to method specifications. No unusual occurrences were noted during sample analysis.

This data report has been reviewed and is authorized for release as evidenced by the signature below.

A handwritten signature in black ink, appearing to read "Kin Chiu", with a horizontal line underneath.

Kin Chiu  
Technical Director

## Sample Results



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-1  
Lab ID: E0064-01  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 98%  
Decachlorobiphenyl 50%

ND = Not Detected





### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-2  
Lab ID: E0064-02  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 92%  
Decachlorobiphenyl 45%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-3  
Lab ID: E0064-03  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 93%  
Decachlorobiphenyl 58%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-4  
Lab ID: E0064-04  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	2.5	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 90%  
Decachlorobiphenyl 46%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-5  
Lab ID: E0064-05  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	46%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-6  
Lab ID: E0064-06  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	45%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-7  
Lab ID: E0064-07  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 100%  
Decachlorobiphenyl 61%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-8  
Lab ID: E0064-08  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 84%  
Decachlorobiphenyl 57%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: WB-1  
Lab ID: E0064-09  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 79%  
Decachlorobiphenyl 83%

ND = Not Detected





### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: PERB-1  
Lab ID: E0064-10  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 78%  
Decachlorobiphenyl 76%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: MW-5(D)  
Lab ID: E0064-11  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 88%  
Decachlorobiphenyl 47%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: PS-65005  
Lab ID: E0064-12  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	2.1	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 81%  
Decachlorobiphenyl 85%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID: PS-63006  
Lab ID: E0064-13  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	2.4	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 93%  
Decachlorobiphenyl 92%

ND = Not Detected



### Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.  
Client ID:  
Lab ID: Method Blank, P0120-B2  
Analysis: Method 8080

Analysis Date: 1/21/98  
Matrix: Aqueous  
Concentration in: ug/L  
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0120-B2

Surrogate Recovery:  
2,4,5,6-Tetrachloro-m-xylene 104%  
Decachlorobiphenyl 129%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.

Matrix: Aqueous

Lab ID for Blank Spike: P0120-L2

Analysis Date for Blank Spike: 1/21/98

Analysis: Method 8080

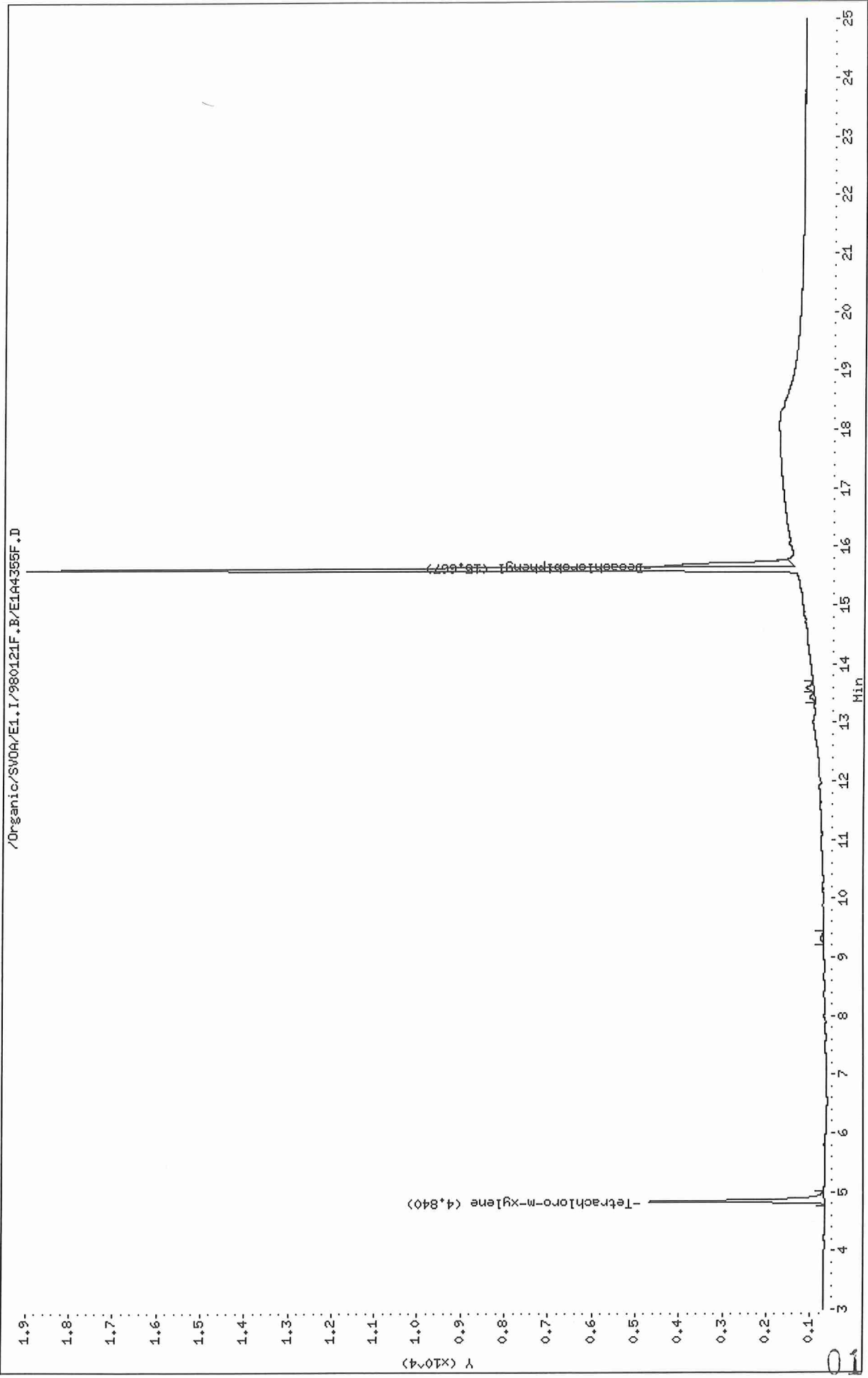
<u>Analyte</u>	<u>% Recovery</u>
2,4,4'-Trichlorobiphenyl	102
Hexachlorobiphenyl	108

QC Batch: P0120-B2

## Sample Chromatograms

Data File: /Organic/SV00A/E1.I/980121F.B/E1A4355F.D  
Date : 21-JAN-1998 12:58  
Client ID: MM-1  
Sample Info: E0064-01,MM-1,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53

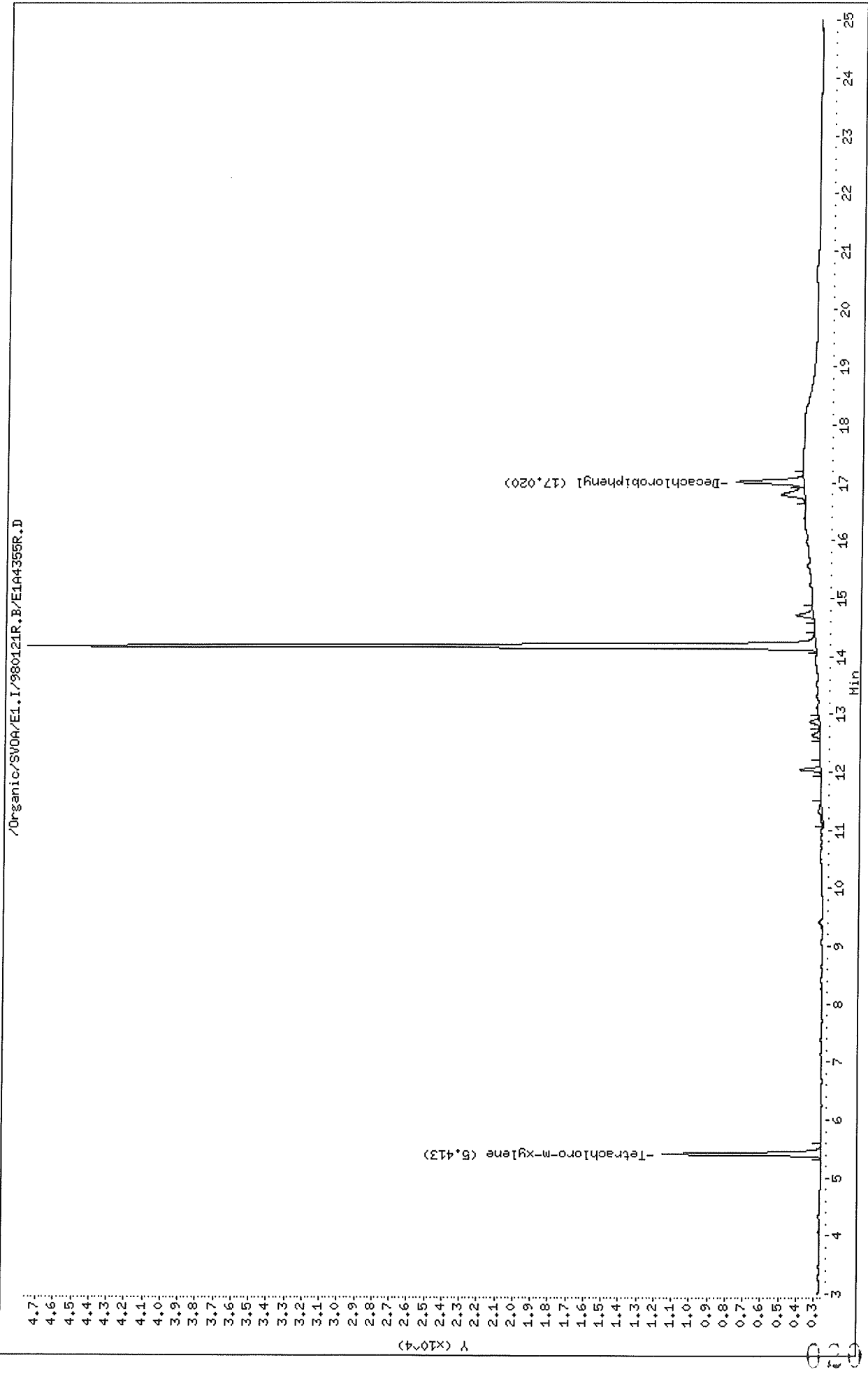


/Organic/SV00A/E1.I/980121F.B/E1A4355F.D



Data File: /Organic/SV0A/E1.1/980121R.B/E1A4355R.D  
Date : 21-JAN-1998 12:58  
Client ID: HM-1  
Sample Info: E0064-01, HM-1, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Data File: \Organic\SVOA\E1.I\980121F.B\E1A4355F.D  
 Report Date: 22-Jan-1998 09:49

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4355F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4355R.D  
 Inj Date : 21-JAN-1998 12:58  
 Sample Info: E0064-01,MW-1,P0120-B2  
 Misc Info : 0,,,1,,,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 21-JAN-1998 15:07  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.840	5.413	3997	8931	0.185	0.196		100.00
Decachlorobiphenyl	15.667	17.020	3107	3777	0.139	0.100		100.00 (M)

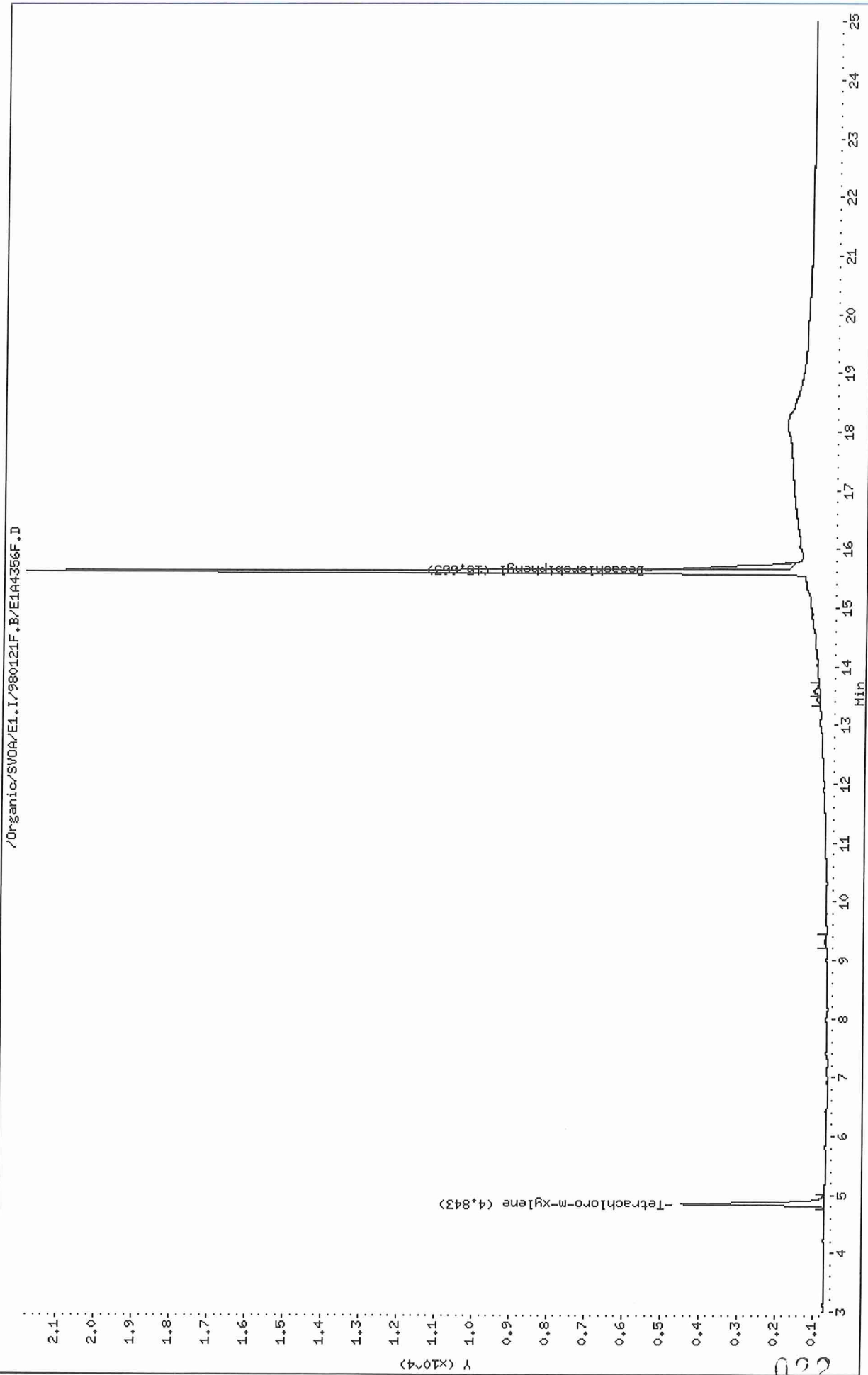
QC Flag Legend

M - Compound response manually integrated.

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*1/22/98*

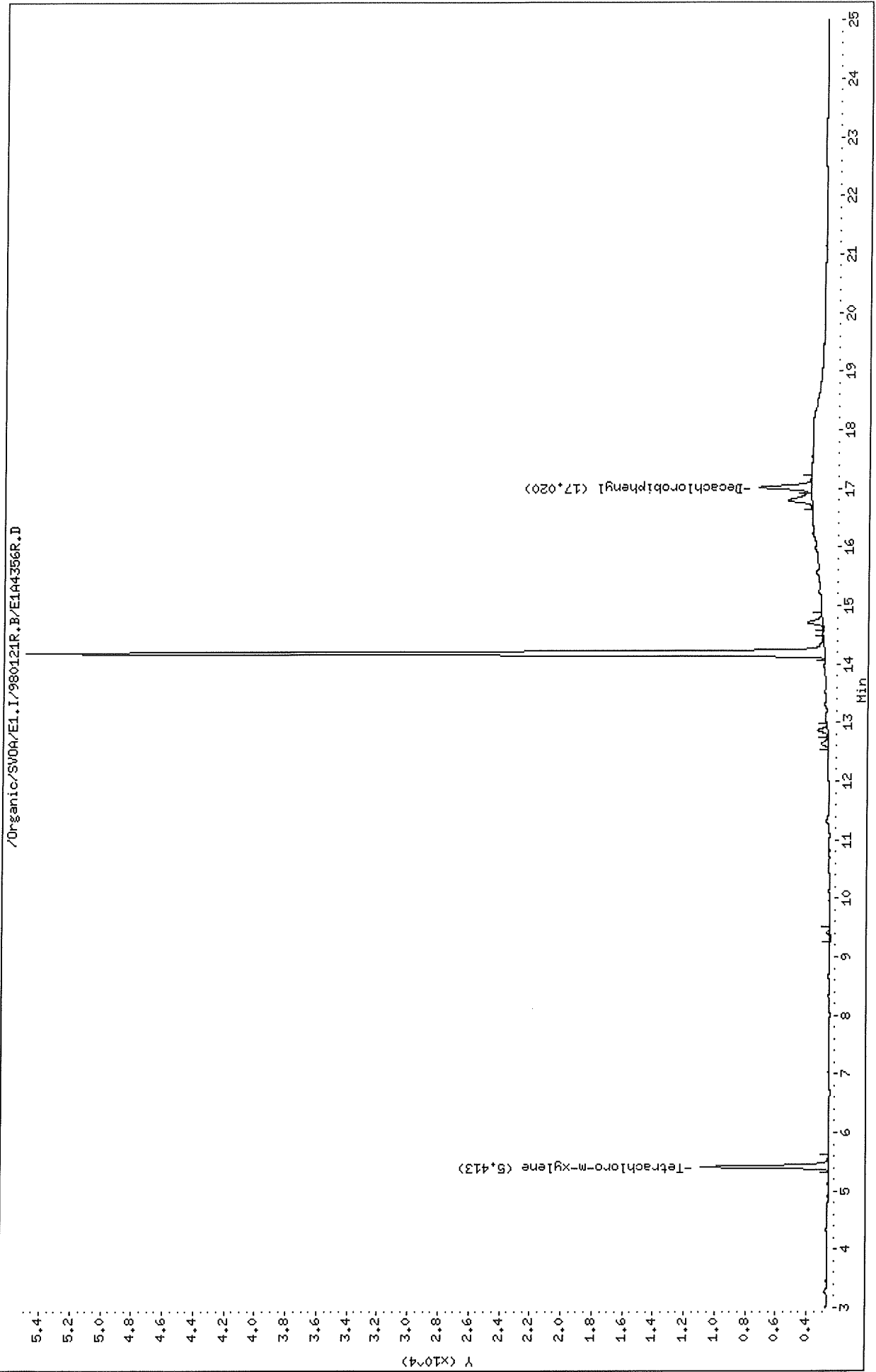
Data File: /Organic/SV06/E1.I/980121F.B/E1A4356F.D  
Date: 21-JAN-1998 13:26  
Client ID: MW-2  
Sample Info: E0064-02,MW-2,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4356R.D  
Date : 21-JAN-1998 13:26  
Client ID: MW-2  
Sample Info: E0064-02, MW-2, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



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Data File: \Organic\SVOA\E1.I\980121F.B\E1A4356F.D  
Report Date: 22-Jan-1998 09:49

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4356F.D  
Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4356R.D  
Inj Date : 21-JAN-1998 13:26  
Sample Info: E0064-02,MW-2,P0120-B2  
Misc Info : 0,,1,,,,,,20-JAN-98,19-JAN-98  
Cal Date : 21-JAN-1998 15:07  
Operator : sph  
Inst ID : E1.i  
Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
Sub List #1 : all.sub  
Sub List #2 : all.sub  
Col #1 Phase : DB-1701  
Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	3763	8353	0.174	0.183		100.00
Decachlorobiphenyl	15.663	17.020	3335	3389	0.149	0.0898		100.00 (M)

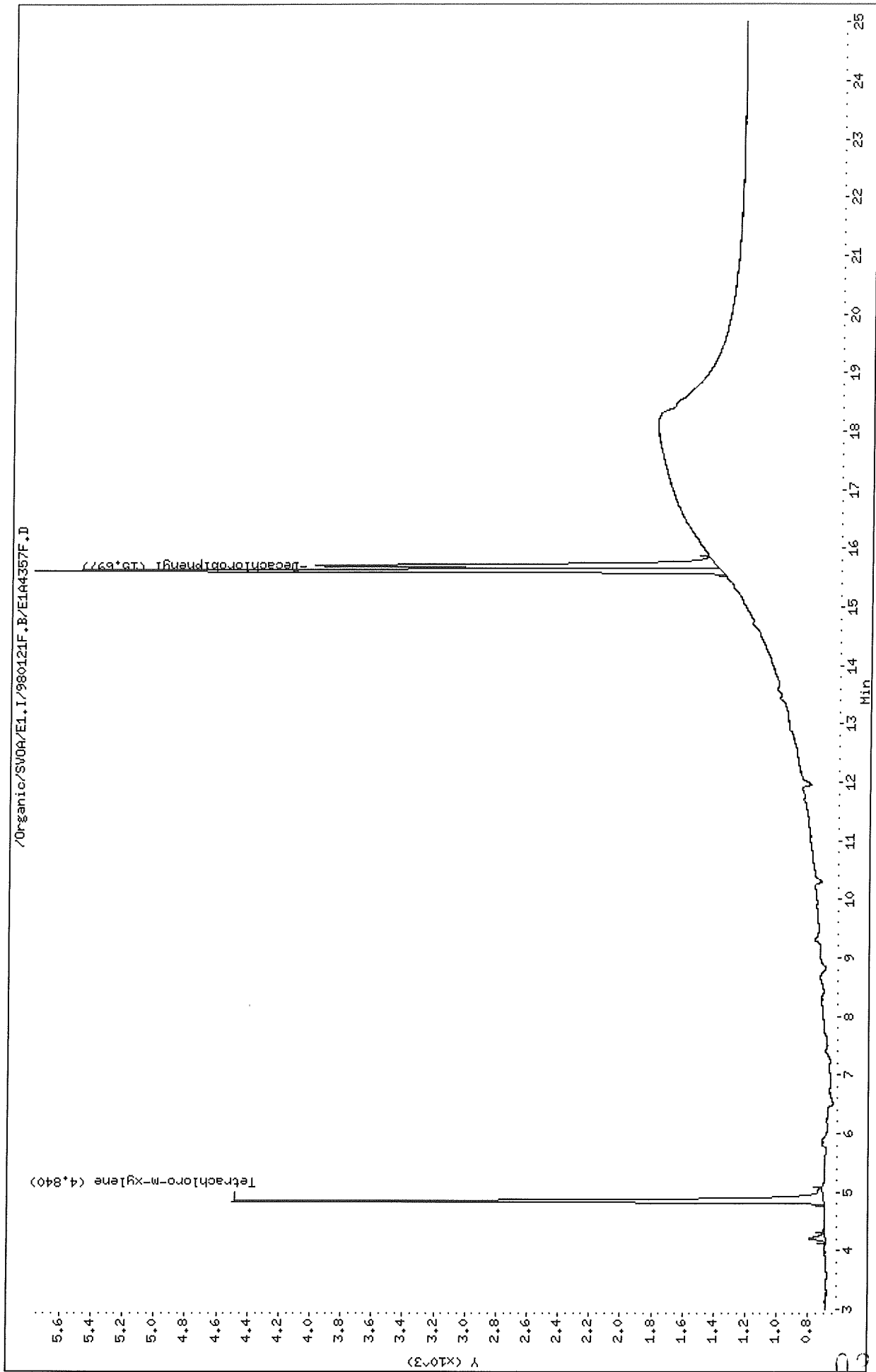
#### QC Flag Legend

M - Compound response manually integrated.

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1/22/98

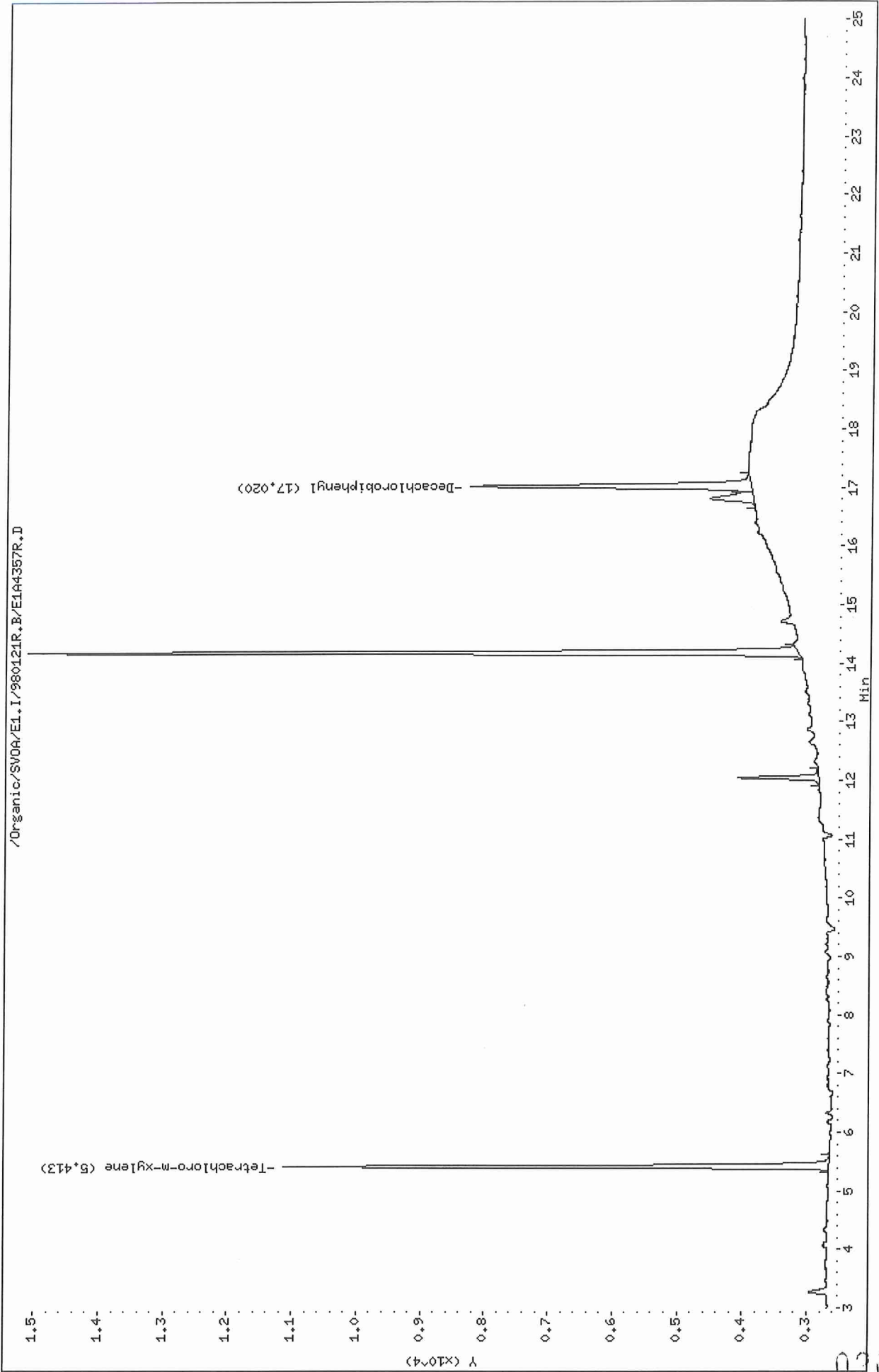
Data File: /Organic/SV0A/E1.I/980121F.B/E1A4357F.D  
Date : 21-JAN-1998 13:54  
Client ID: HW-3  
Sample Info: E0064-03, HW-3, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4357R.D  
Date : 21-JAN-1998 13:54  
Client ID: MM-3  
Sample Info: E0064-03,MM-3,P0120-B2  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4357F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4357R.D  
 Inj Date : 21-JAN-1998 13:54  
 Sample Info: E0064-03,MW-3,P0120-B2  
 Misc Info : 0,,1,,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 21-JAN-1998 15:07  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

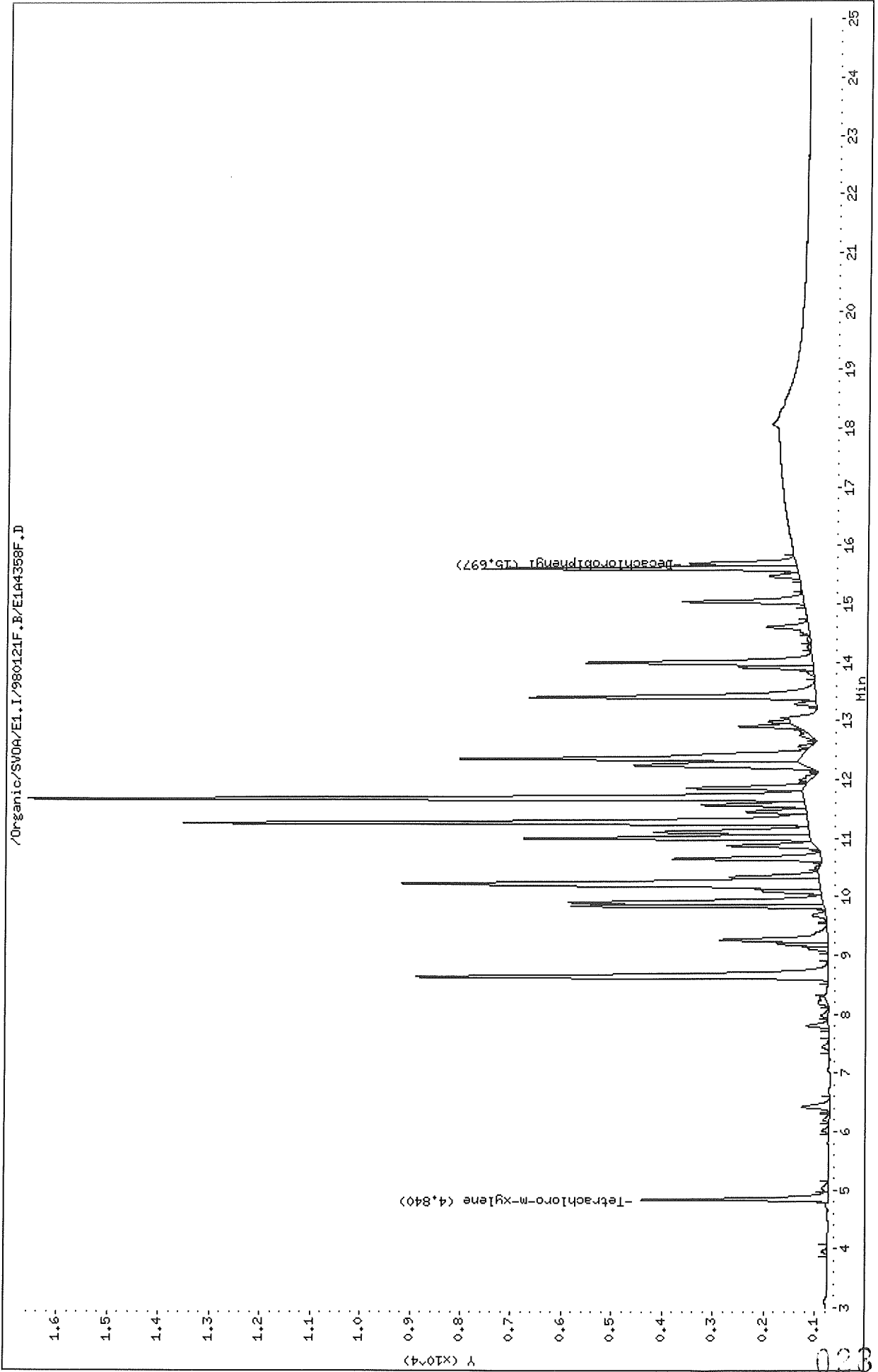
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.840	5.413	3804	8469	0.176	0.186		100.00
Decachlorobiphenyl	15.697	17.020	2590	4350	0.116	0.115		100.00

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Data File: /Organic/SV00A/E1.I/980121F.B/E1A4358F.D  
Date : 21-JAN-1998 14:22  
Client ID: MM-4  
Sample Info: E0064-04,MM-4,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980121R.B/E1A4358R.D

Date : 21-JAN-1998 14:22

Client ID: HM-4

Sample Info: E0064-04, HM-4, P0120-B2

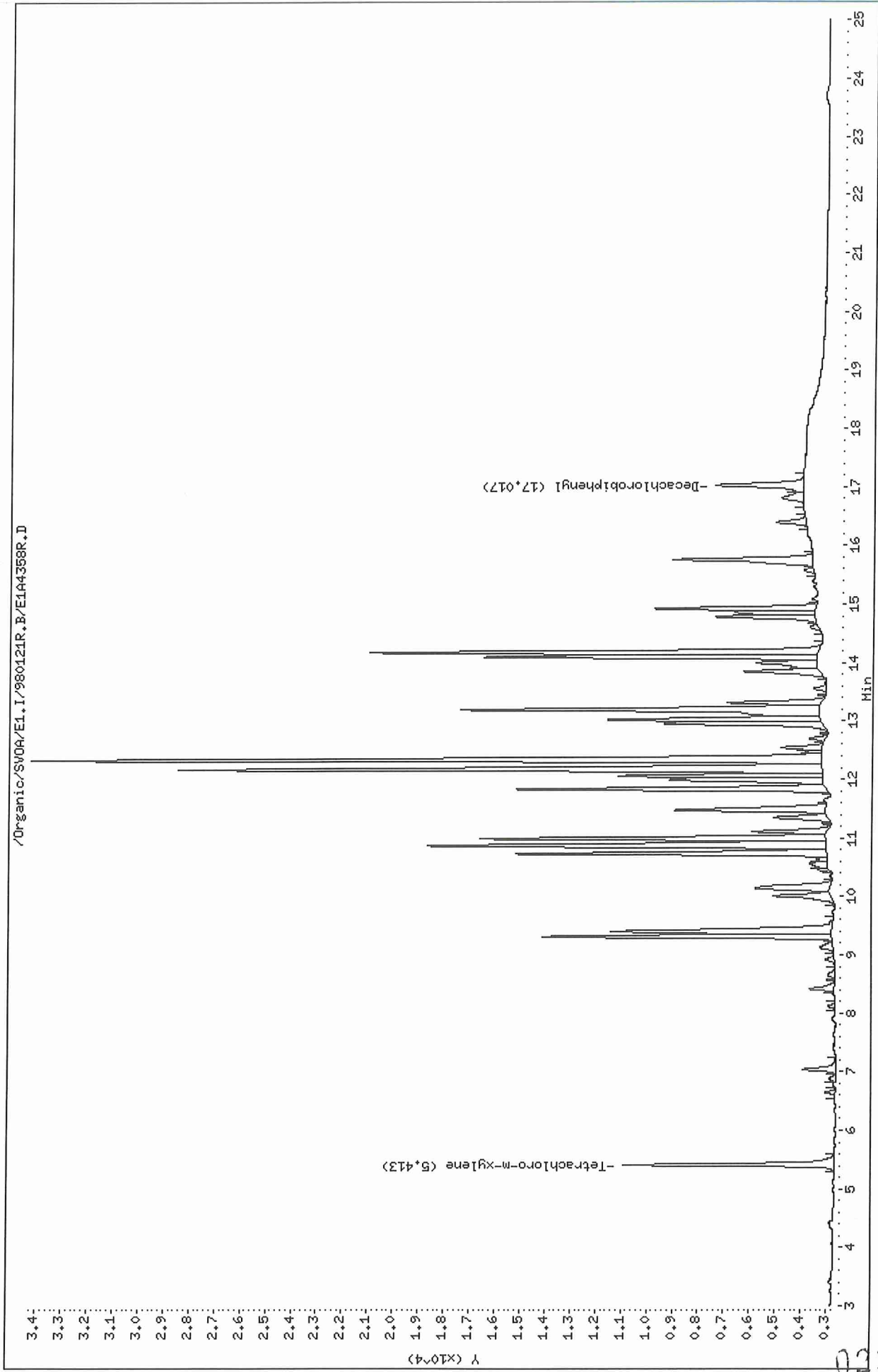
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.i

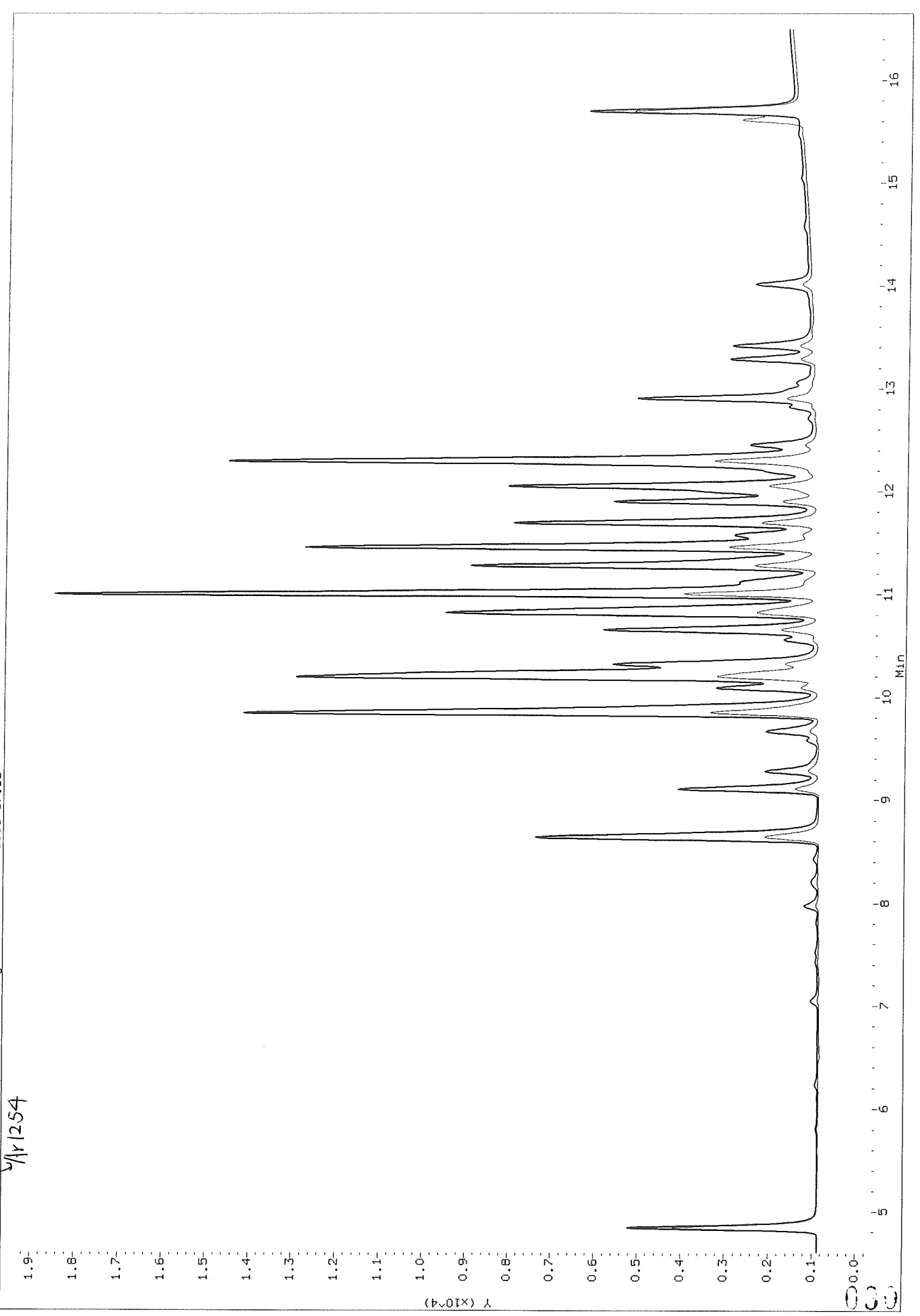
Operator: sph

Column diameter: 0.53



E0064-12

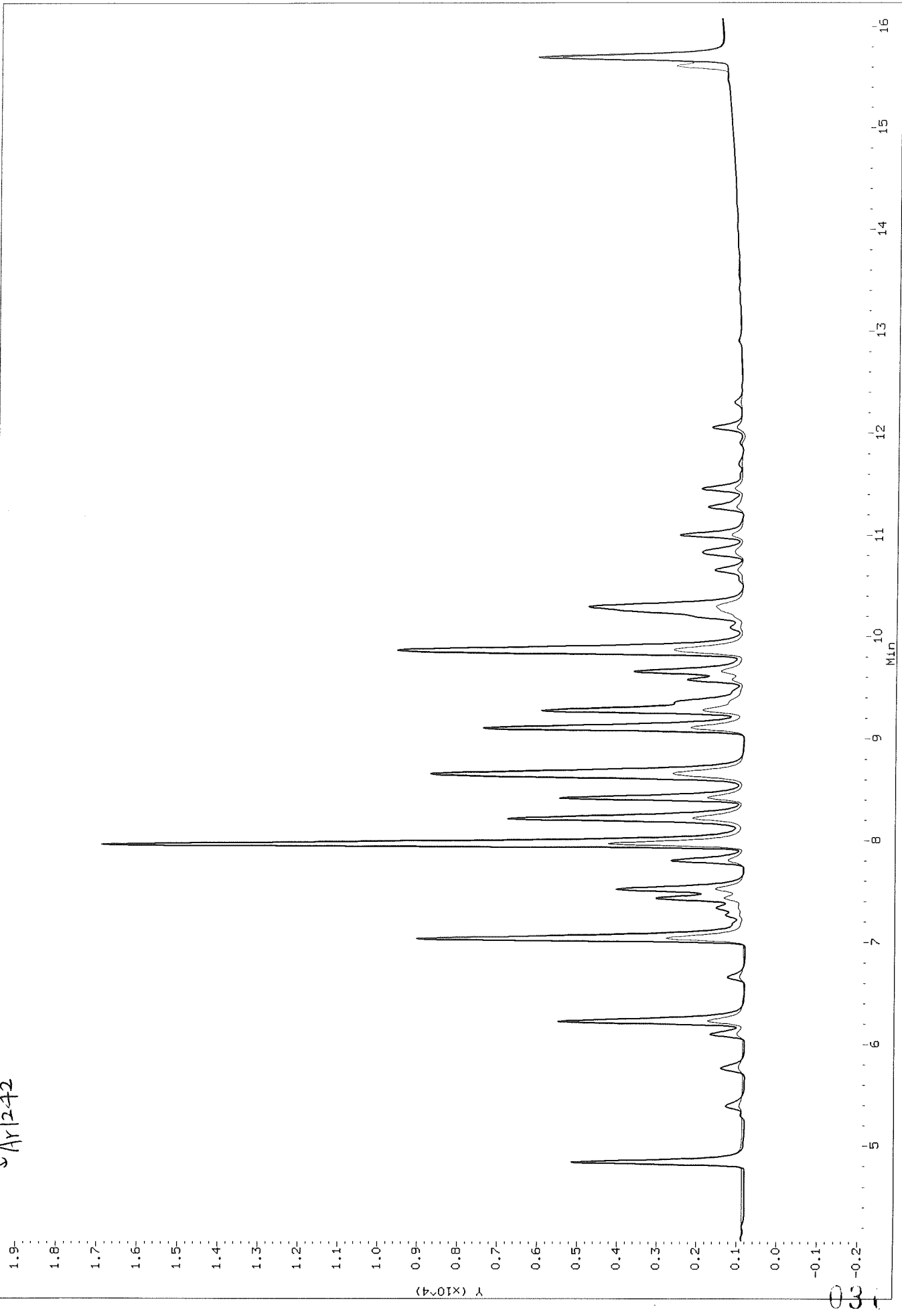
File: HP GC E1A4371F.D, Channel A Inj. Date: 21-JAN-1998 20:25  
File: HP GC E1A4365F.D, Channel A Inj. Date: 21-JAN-1998 17:38  
Mr 1254



20064-3

File: HP GC E1A4372F.D, Channel A Inj. Date: 21-JAN-1998 20:53  
File: HP GC E1A4363F.D, Channel A Inj. Date: 21-JAN-1998 16:42

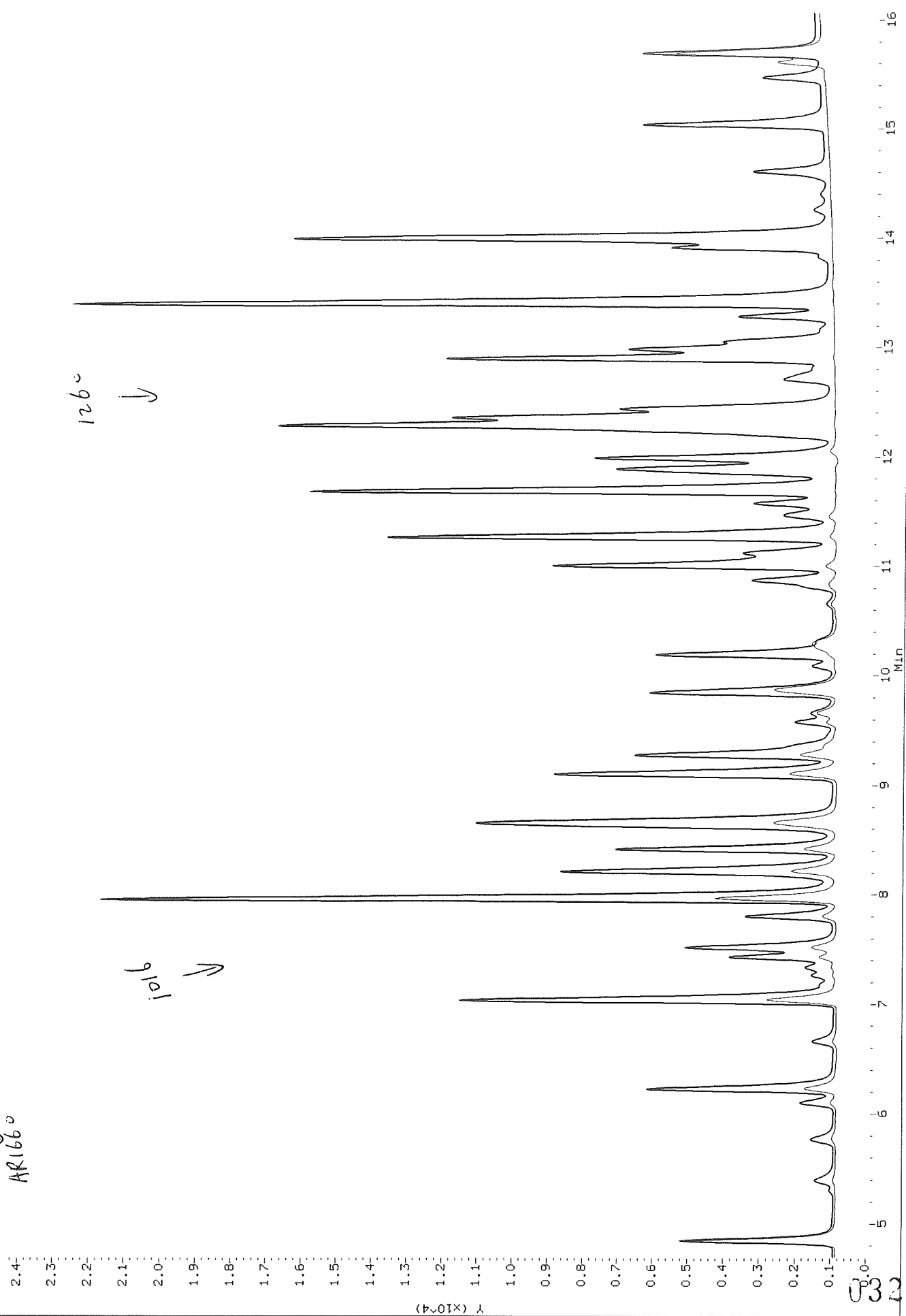
AY1242



E0064-13

File: HP GC E1A4372F.D. Channel A Inj. Date: 21-JAN-1998 20:53  
File: HP GC E1A4366F.D. Channel A Inj. Date: 21-JAN-1998 18:06

AR1660

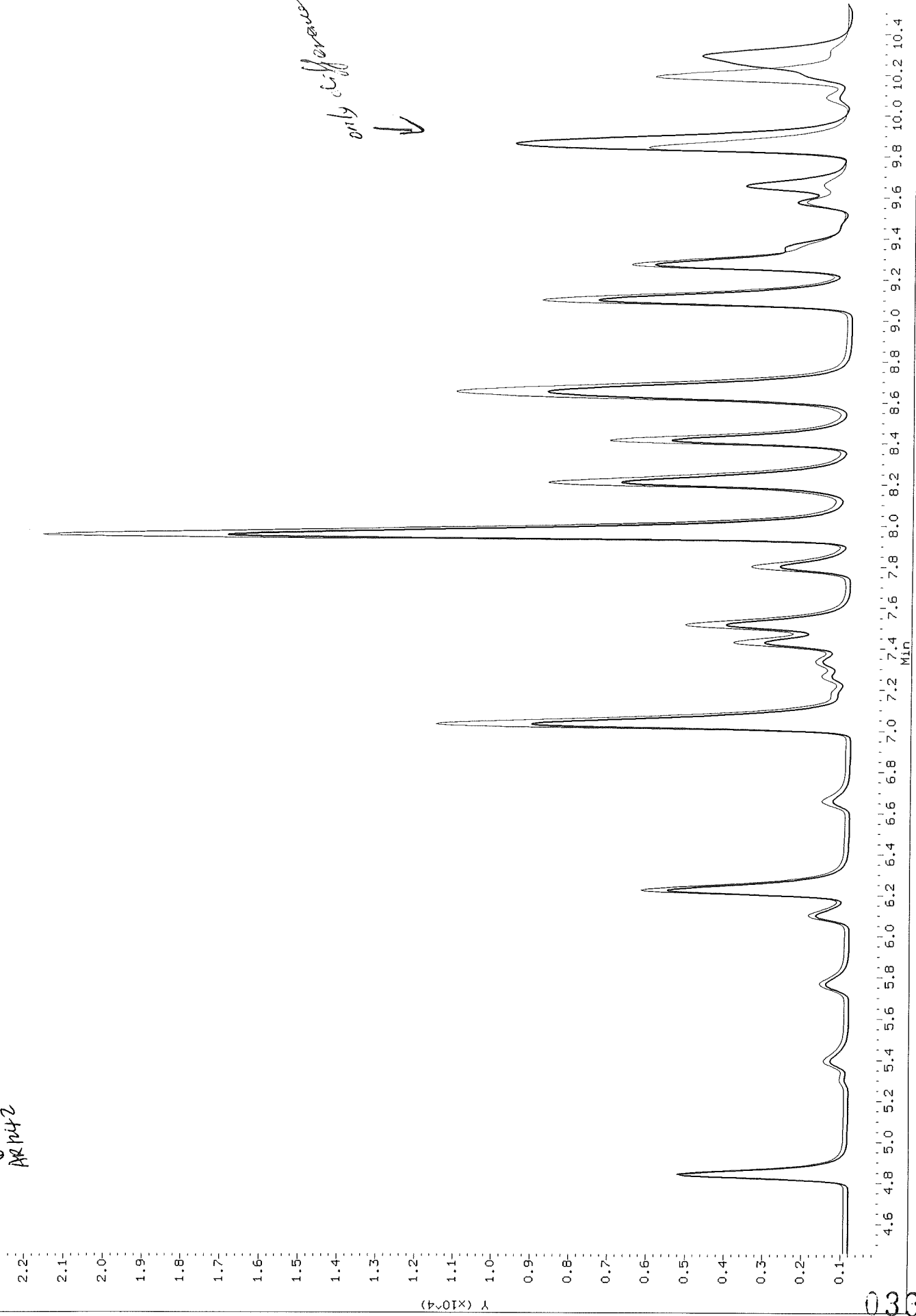


File: HP GC E104366F.D, Channel A Inj. Date: 21-JAN-1998 18:06  
File: HP GC E104363F.D, Channel A Inj. Date: 21-JAN-1998 16:42

PR1016

PR1012

only difference  
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Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4358F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4358R.D  
 Inj Date : 21-JAN-1998 14:22  
 Sample Info: E0064-04,MW-4,P0120-B2  
 Misc Info : 0,,,1,,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:28  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

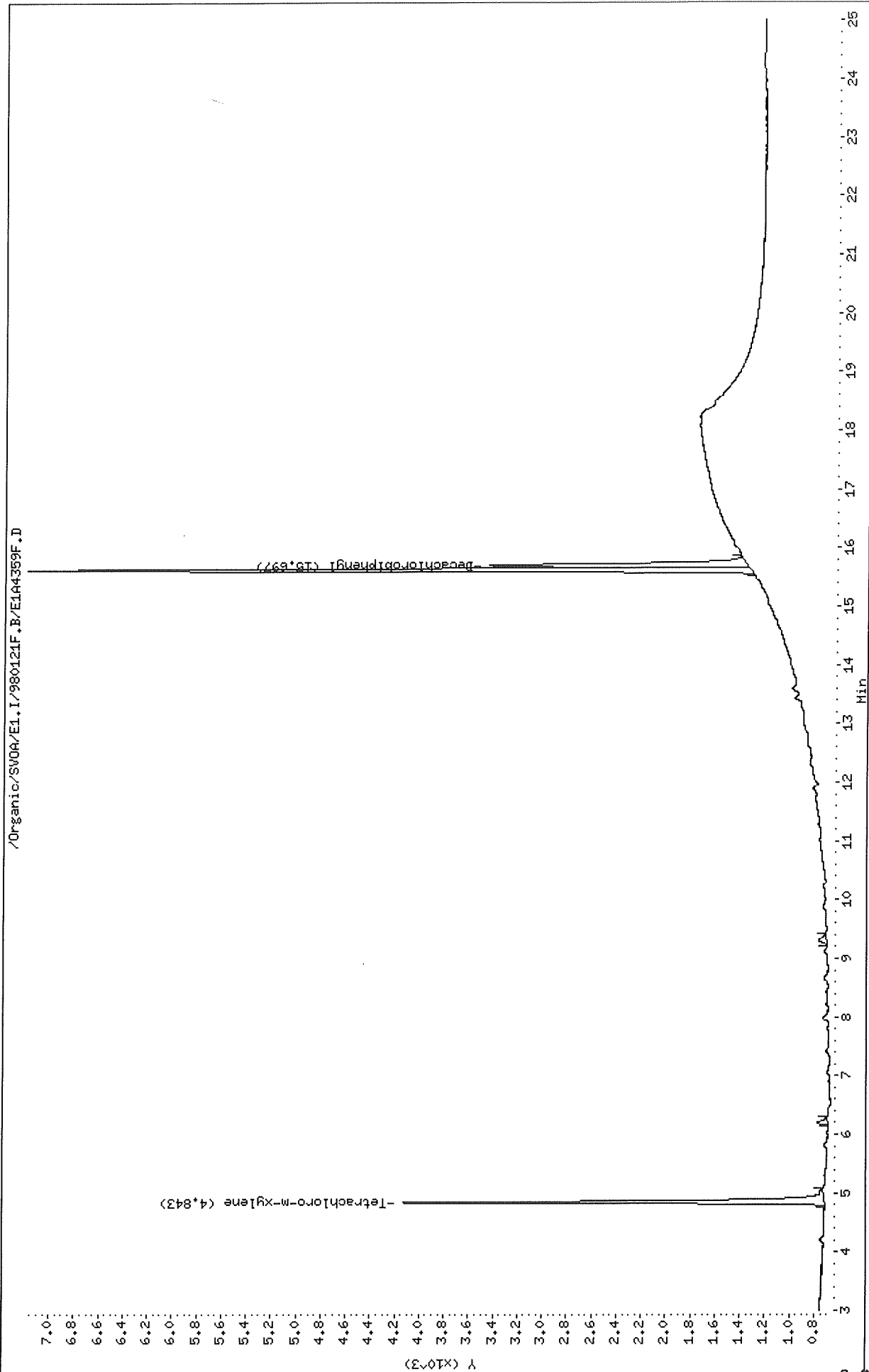
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.840	5.413	3666	8233	0.170	0.180		100.00
Decachlorobiphenyl	15.697	17.017	2096	3459	0.0937	0.0916		100.00
Aroclor-1260	12.907	13.847	1142	2968	1.28	1.74	80.00- 120.00	100.00
	13.413	14.097	5665	13040	3.19	2.97	192.08- 232.08	496.06
	14.003	14.920	4458	6260	3.50	2.85	129.46- 169.46	390.37
Average of Peak Amounts =					2.66	2.52		

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 1/22/98

Data File: /Organic/SV00A/E1.I/980121F.B/E1A4359F.D  
Date : 21-JAN-1998 14:50  
Client ID: MW-5  
Sample Info: E0064-05, MW-5, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

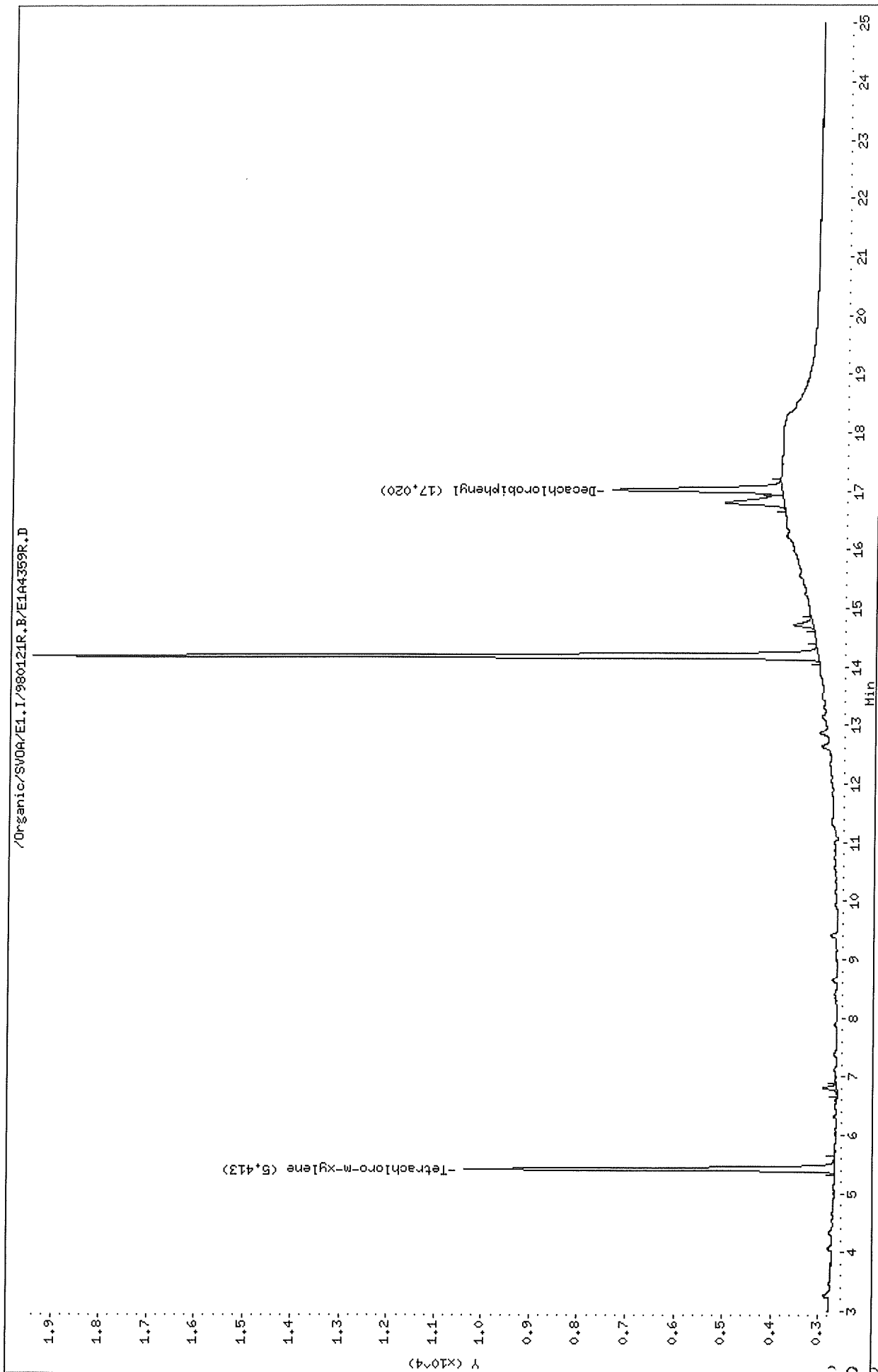
Instrument: E1.i  
Operator: sph  
Column diameter: 0.53





Data File: /Organic/SV00A/E1.I/980121R.B/E1A4359R.D  
Date: 21-JAN-1998 14:50  
Client ID: MW-5  
Sample Info: E0064-05, MW-5, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4359F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4359R.D  
 Inj Date : 21-JAN-1998 14:50  
 Sample Info: E0064-05,MW-5,P0120-B2  
 Misc Info : 0,,,1,,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:28  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

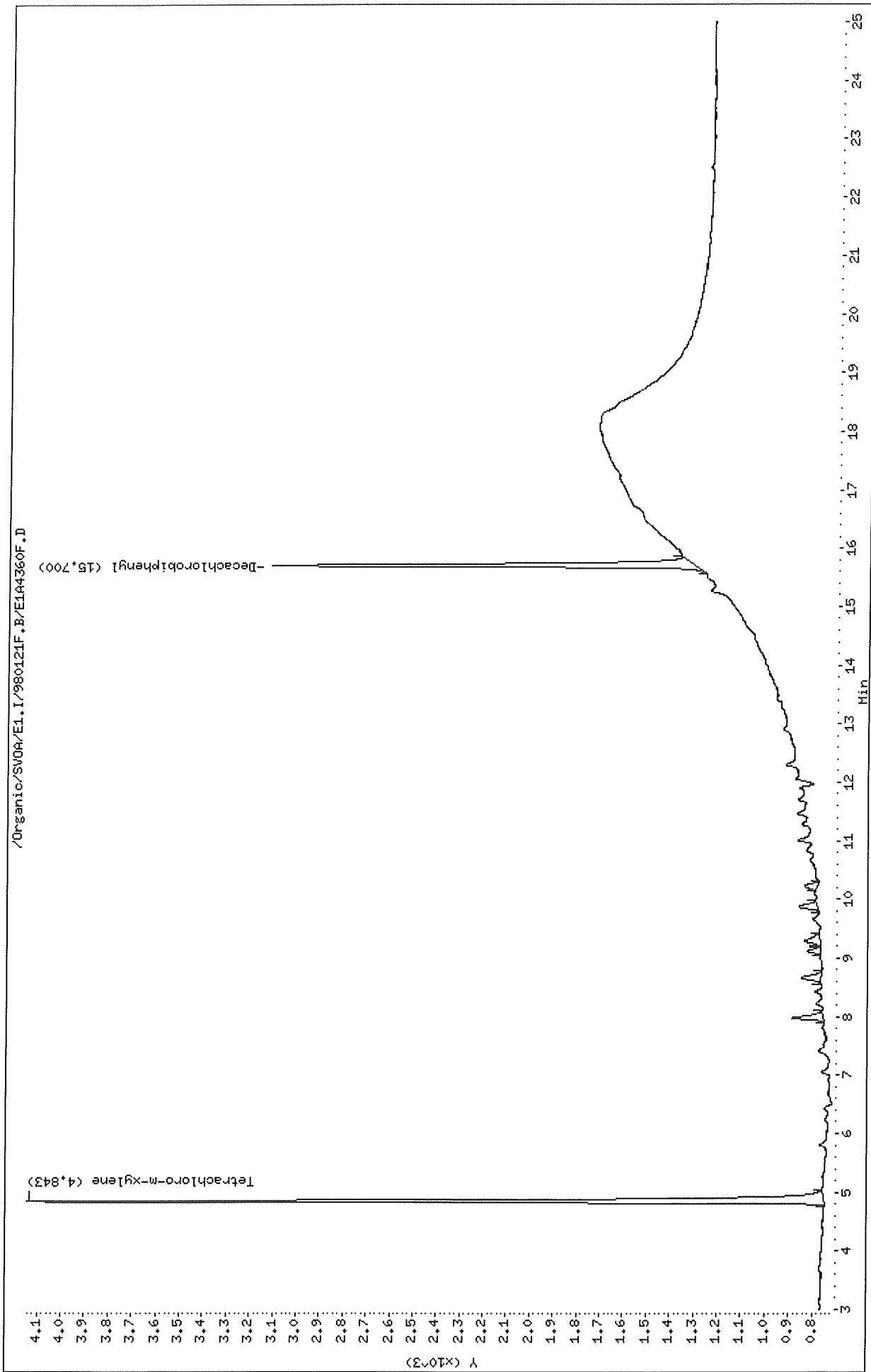
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	3409	7727	0.158	0.169		100.00
Decachlorobiphenyl	15.697	17.020	2100	3499	0.0939	0.0927		100.00

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Data File: /Organic/SV00A/E1.I/980121F.B/E1A4360F.D  
Date : 21-JAN-1998 15:18  
Client ID: MM-6  
Sample Info: E0064-06,MM-6.P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4360R.D

Date : 21-JAN-1998 15:18

Client ID: HM-6

Sample Info: E0064-06, HM-6, P0120-B2

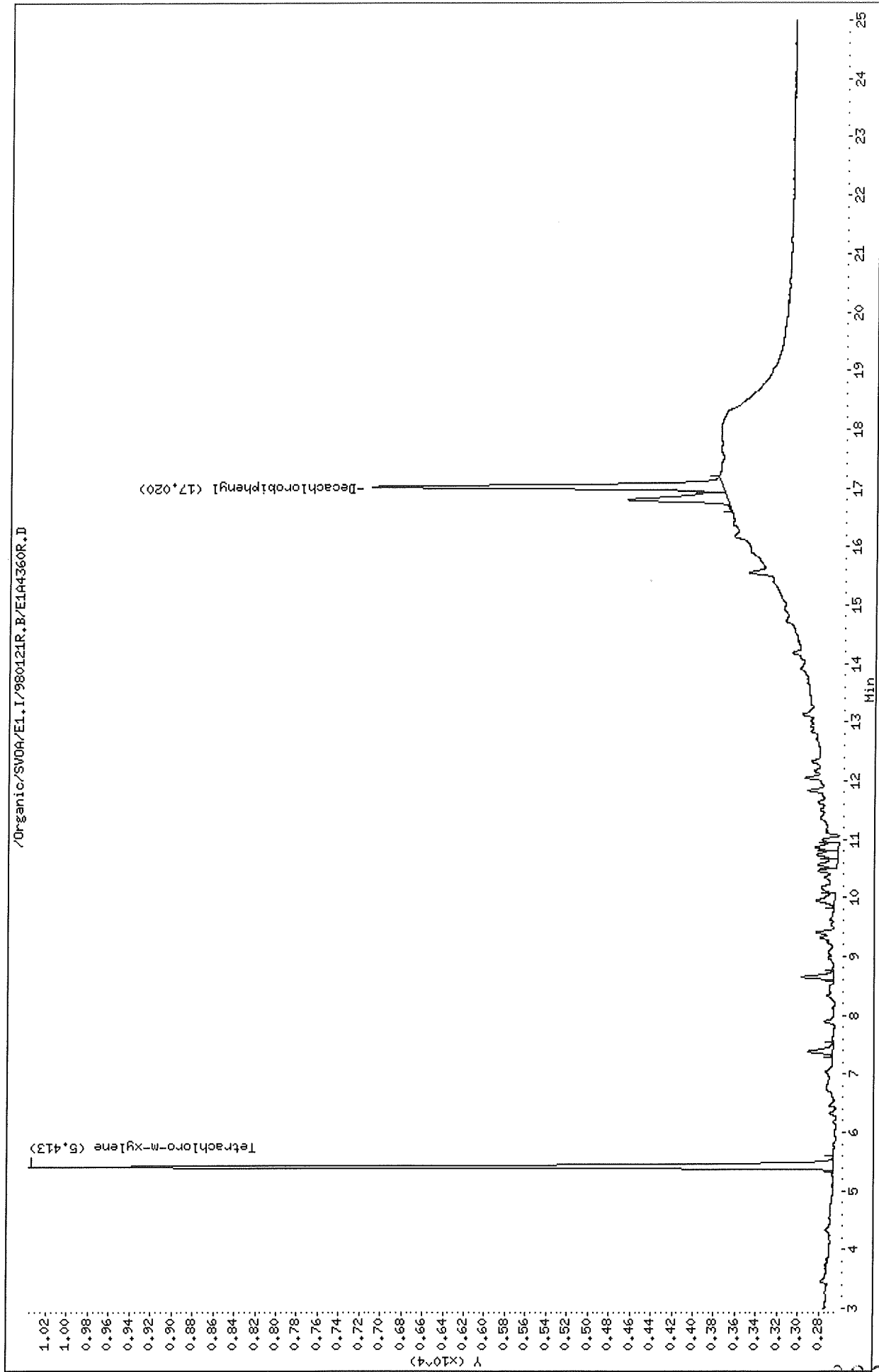
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Data File: \Organic\SVOA\E1.I\980121F.B\E1A4360F.D  
 Report Date: 22-Jan-1998 09:50

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4360F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4360R.D  
 Inj Date : 21-JAN-1998 15:18  
 Sample Info: E0064-06,MW-6,P0120-B2  
 Misc Info : 0,,1,,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:28  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	3393	7702	0.157	0.169		100.00
Decachlorobiphenyl	15.700	17.020	1810	3368	0.0809	0.0892		100.00

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Data File: /Organic/SW0A/E1.I/980121F.B/E1A4361F.D

Date : 21-JAN-1998 15:46

Client ID: MM-7

Sample Info: E0064-07,MM-7,P0120-B2

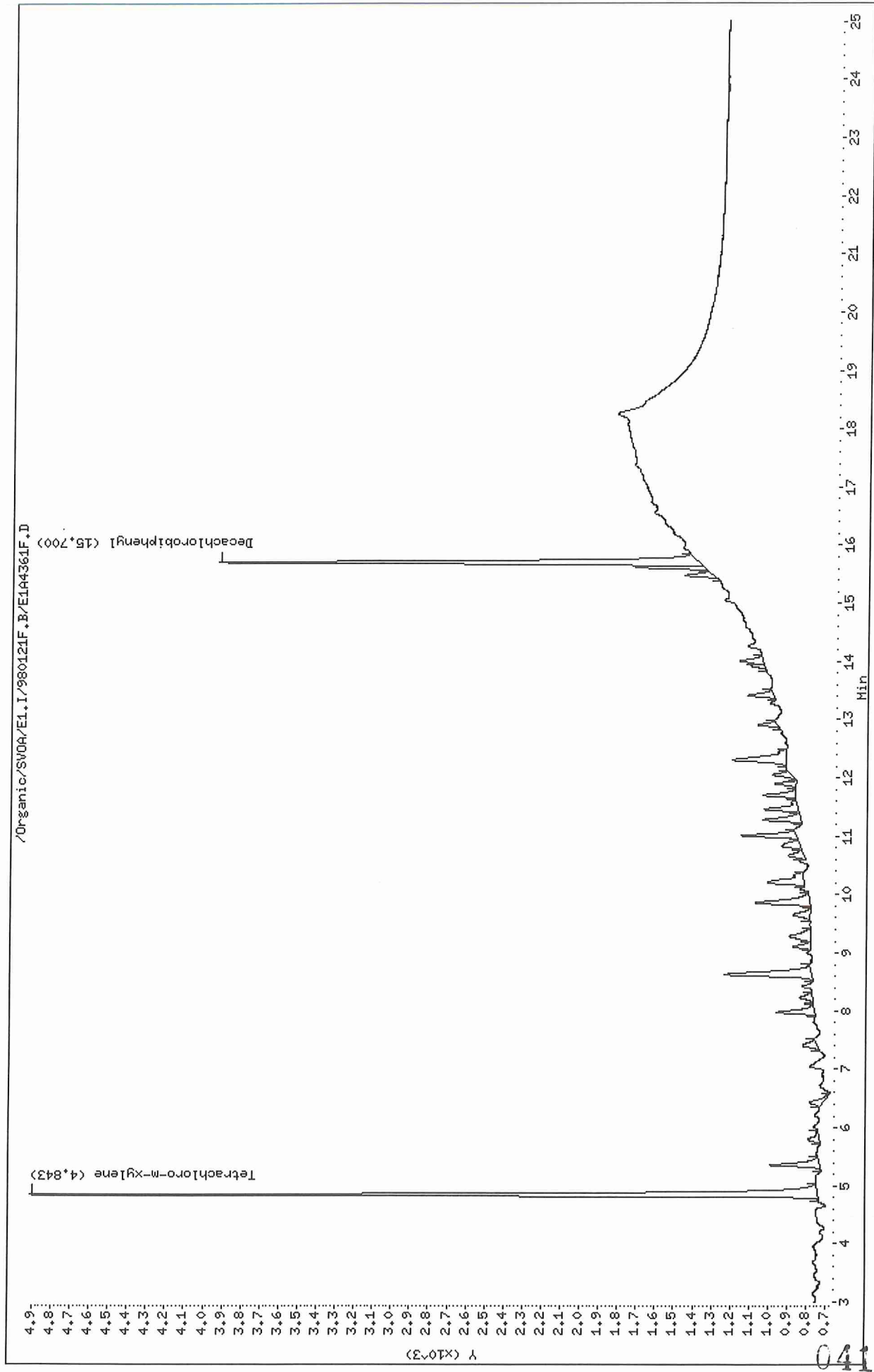
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

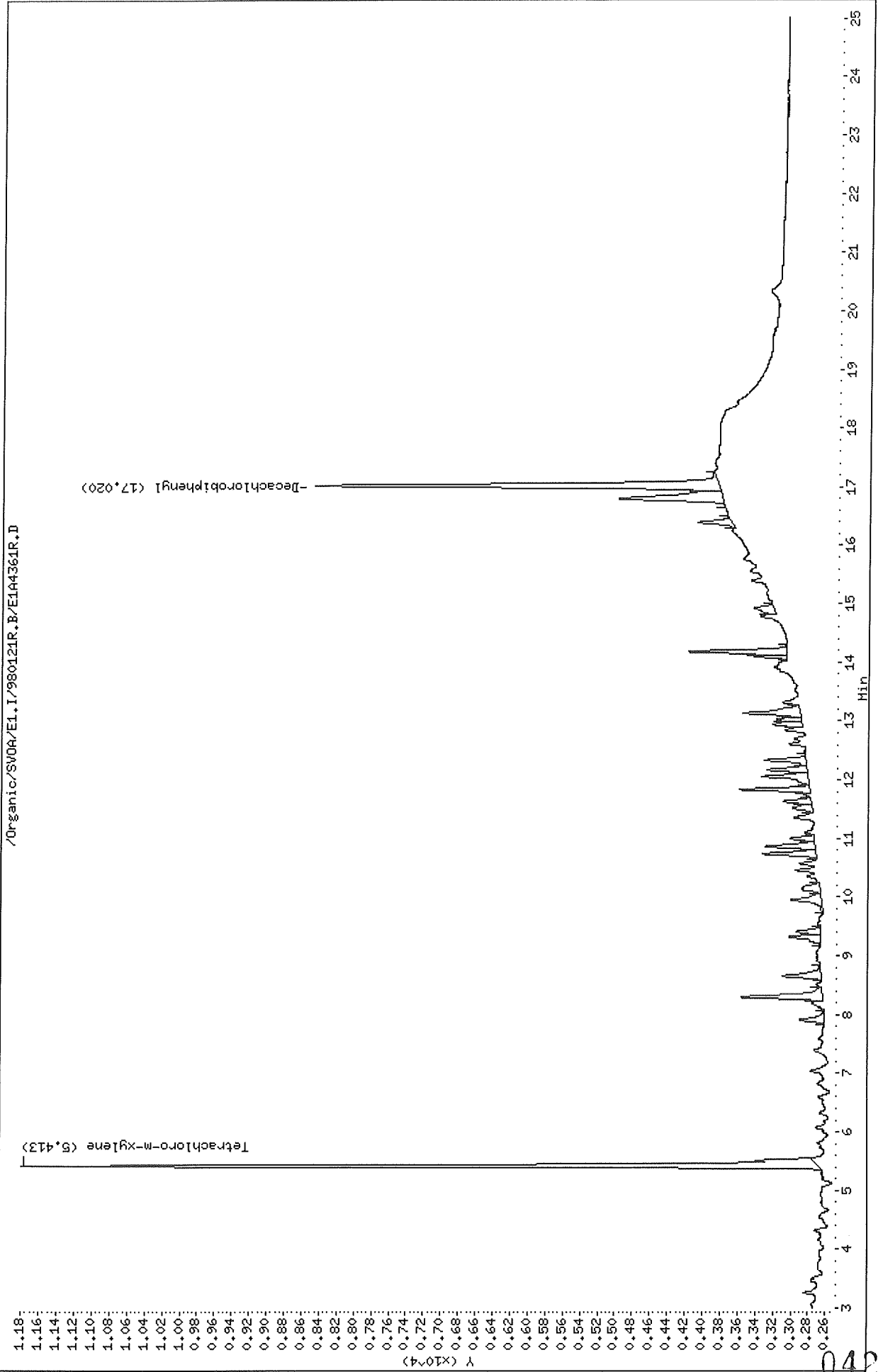
Operator: sph

Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4361R.D  
 Date : 21-JAN-1998 15:46  
 Client ID: MW-7  
 Sample Info: E0064-07,MW-7,P0120-B2  
 Volume Injected (uL): 2.0  
 Column phase: DB-608

Instrument: E1.i  
 Operator: sph  
 Column diameter: 0.53



Data File: \Organic\SVOA\E1.I\980121F.B\E1A4361F.D  
Report Date: 22-Jan-1998 09:50

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4361F.D  
Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4361R.D  
Inj Date : 21-JAN-1998 15:46  
Sample Info: E0064-07, MW-7, P0120-B2  
Misc Info : 0, , , 1, , , , , 20-JAN-98, 19-JAN-98  
Cal Date : 22-JAN-1998 08:28  
Operator : sph  
Inst ID : E1.i  
Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
Sub List #1 : all.sub  
Sub List #2 : all.sub  
Col #1 Phase : DB-1701  
Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

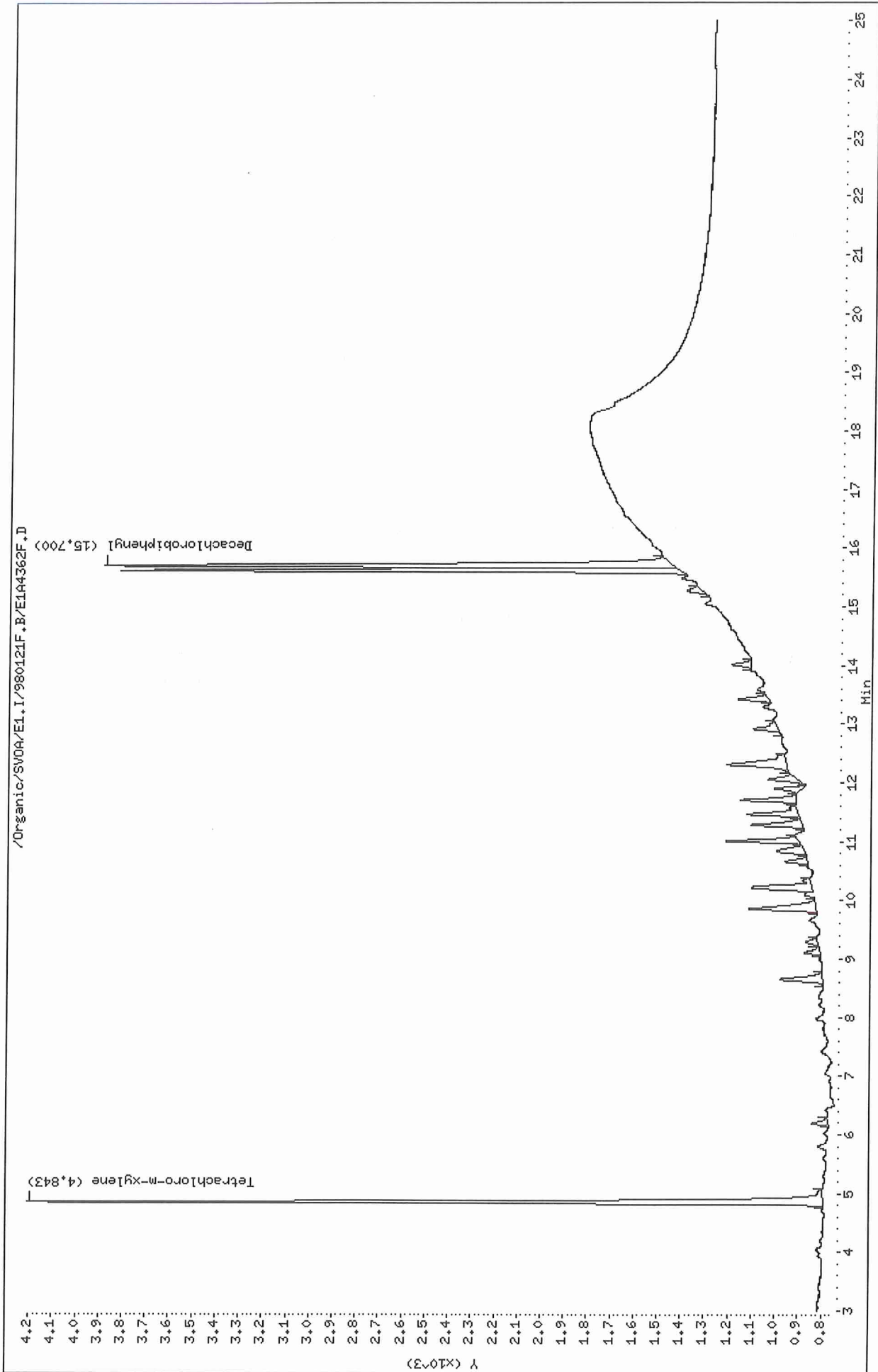
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	4172	9114	0.193	0.200		100.00
Decachlorobiphenyl	15.700	17.020	2548	4628	0.114	0.123		100.00

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Data File: /Organic/SV0A/E1.I/980121F.B/E1A4362F.D  
Date : 21-JAN-1998 16:14  
Client ID: MM-8  
Sample Info: E0064-08,MM-8,PO120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980121R.B/E1A4362R.D

Date : 21-JAN-1998 16:14

Client ID: MM-8

Sample Info: E0064-08,MM-8,P0120-B2

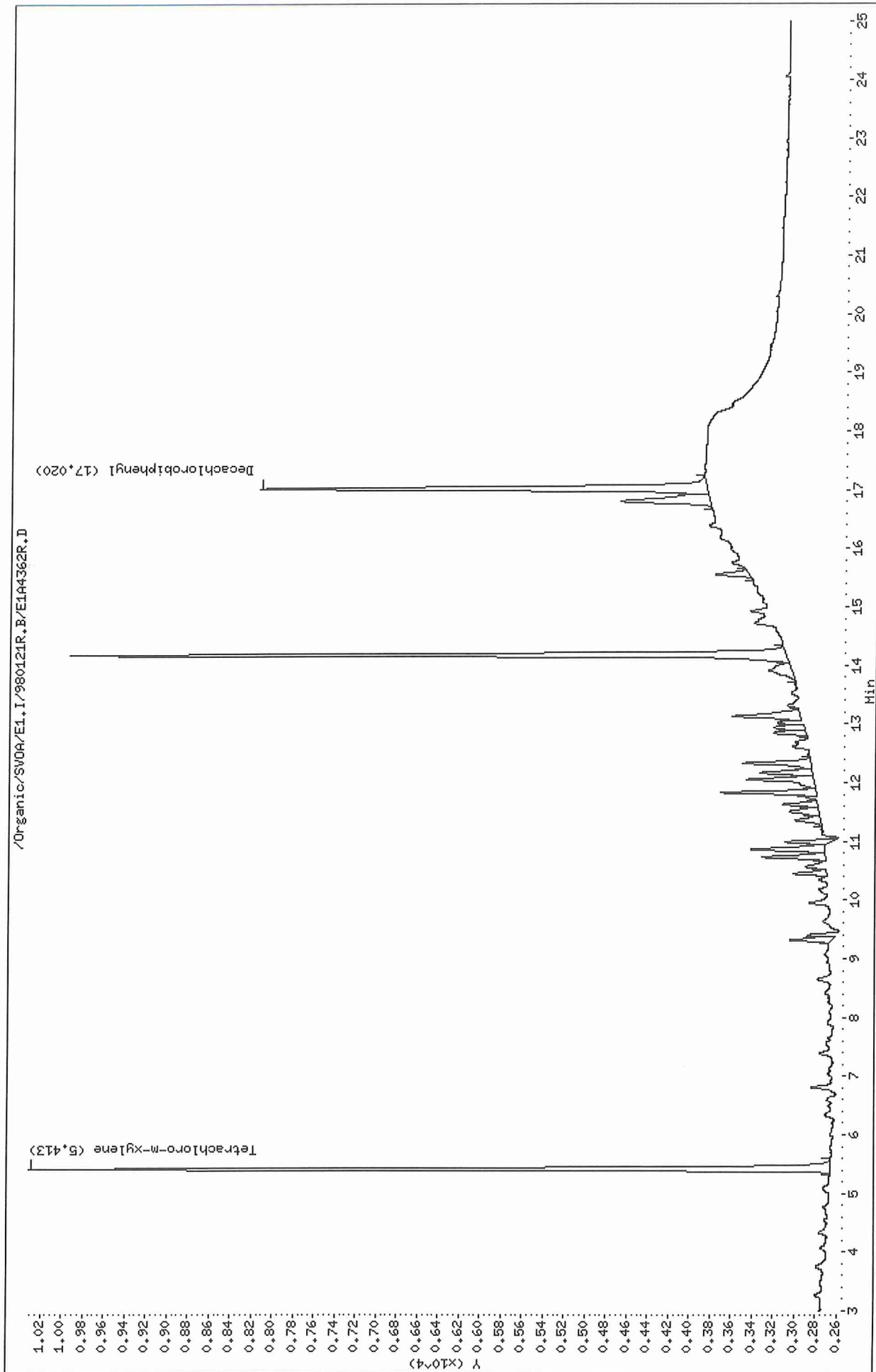
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E4.i

Operator: sph

Column diameter: 0.53



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Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4362F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4362R.D  
 Inj Date : 21-JAN-1998 16:14  
 Sample Info: E0064-08, MW-8, P0120-B2  
 Misc Info : 0,,1,,,,, 20-JAN-98, 19-JAN-98  
 Cal Date : 22-JAN-1998 08:28  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

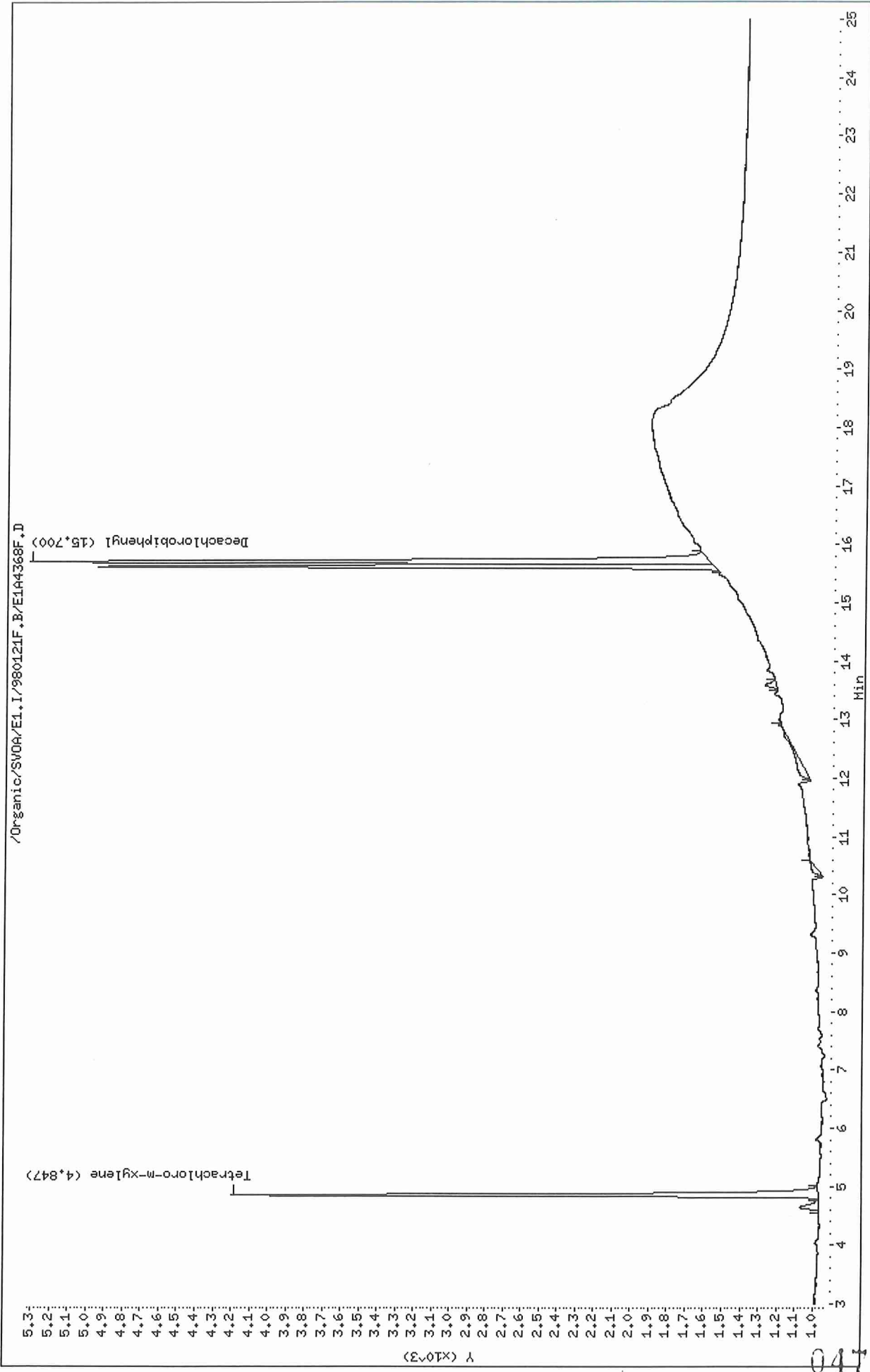
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	3414	7648	0.158	0.168		100.00
Decachlorobiphenyl	15.700	17.020	2451	4284	0.110	0.113		100.00

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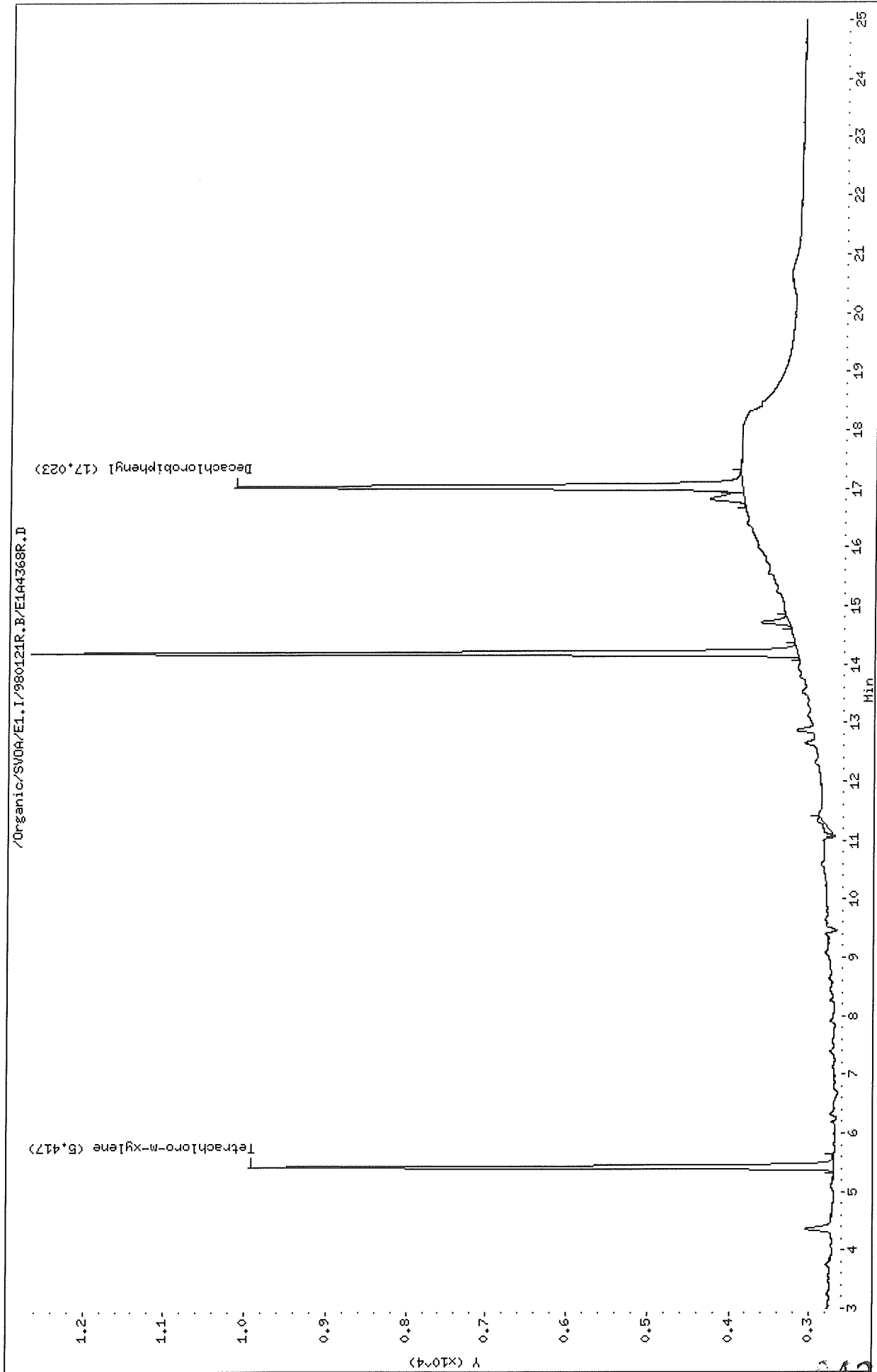
Data File: /Organic/SV0A/E1.I/980121F.B/E1A4368F.D  
Date : 21-JAN-1998 19:02  
Client ID: WB-1  
Sample Info: E0064-09,WB-1,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4368R.D  
Date: 21-JAN-1998 19:02  
Client ID: MB-1  
Sample Info: E0064-09.MB-1.P0120-B2  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4368F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4368R.D  
 Inj Date : 21-JAN-1998 19:02  
 Sample Info: E0064-09, WB-1, P0120-B2  
 Misc Info : 0, , , 1, , , , , 20-JAN-98, 19-JAN-98  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

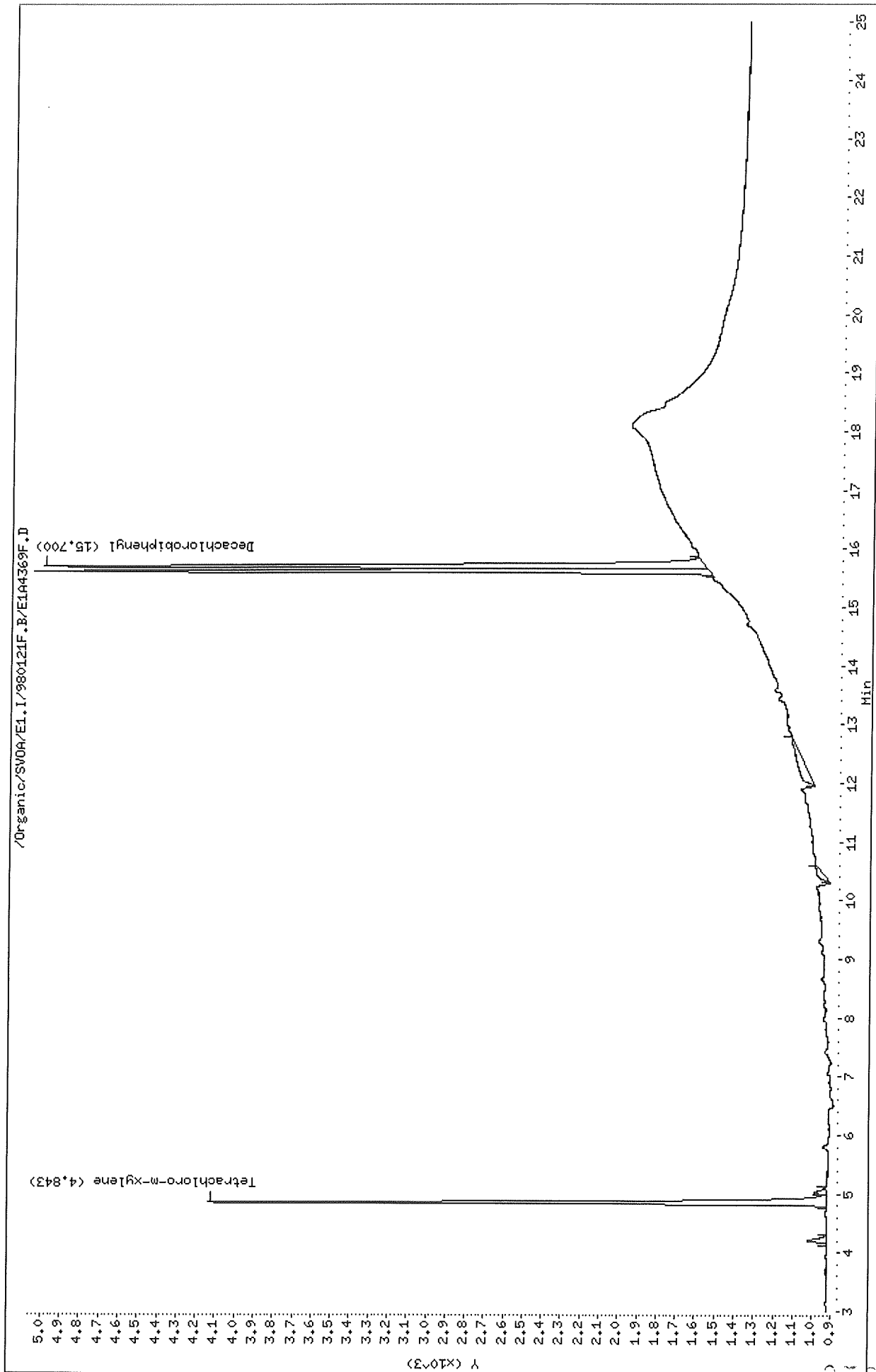
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.847	5.417	3227	7246	0.150	0.159		100.00
Decachlorobiphenyl	15.700	17.023	3746	6301	0.167	0.167		100.00

GL  
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Data File: /Organic/SV0A/E1.I/980121F.B/E1A4369F.D  
Date : 21-JAN-1998 19:29  
Client ID: PERB-1  
Sample Info: E0064-10,PERB-1,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.1/980121R.B/E1A4369R.D

Date : 21-JAN-1998 19:29

Client ID: PERB-1

Sample Info: E0064-10,PERB-1,P0120-B2

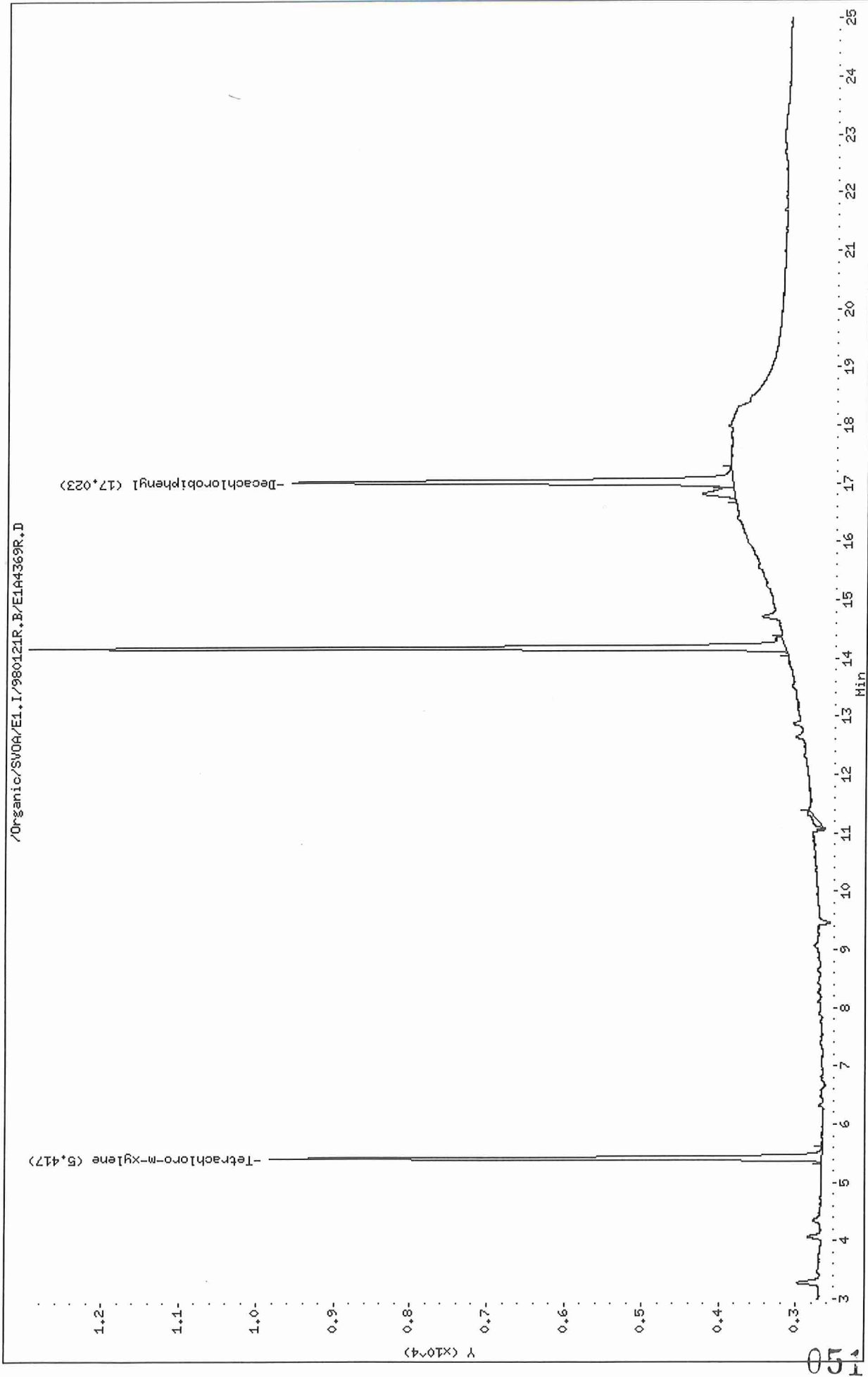
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.1

Operator: sph

Column diameter: 0.53





Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4369F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4369R.D  
 Inj Date : 21-JAN-1998 19:29  
 Sample Info: E0064-10, PERB-1, P0120-B2  
 Misc Info : 0,,,1,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	3213	7157	0.149	0.157		100.00
Decachlorobiphenyl	15.700	17.023	3443	5737	0.154	0.152		100.00

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Data File: /Organic/SV0A/E1.I/980121F.B/E1A4370F.D

Date : 21-JAN-1998 19:57

Client ID: MM-5(D)

Sample Info: E0064-11,MM-5(D),P0120-B2

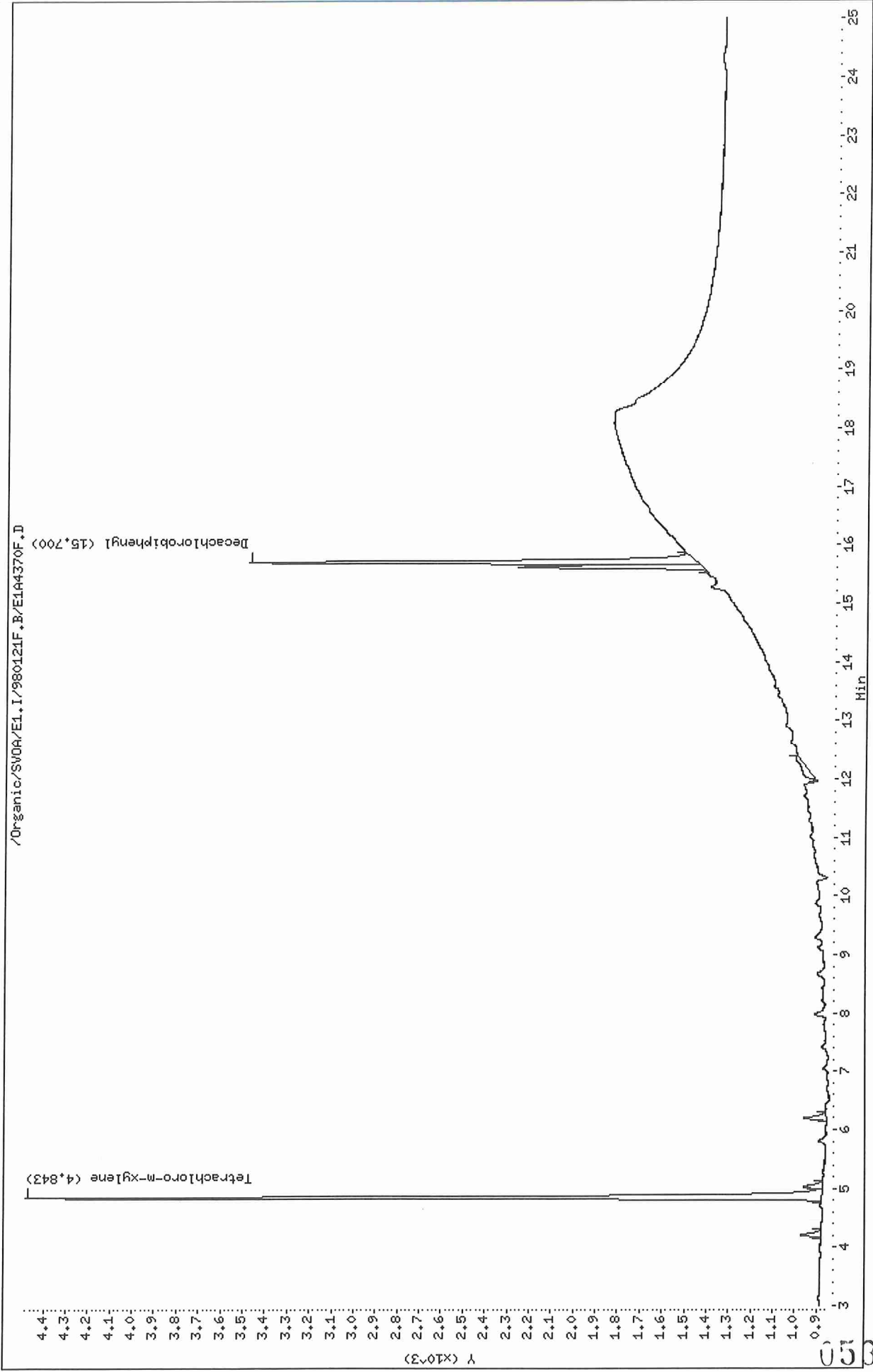
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

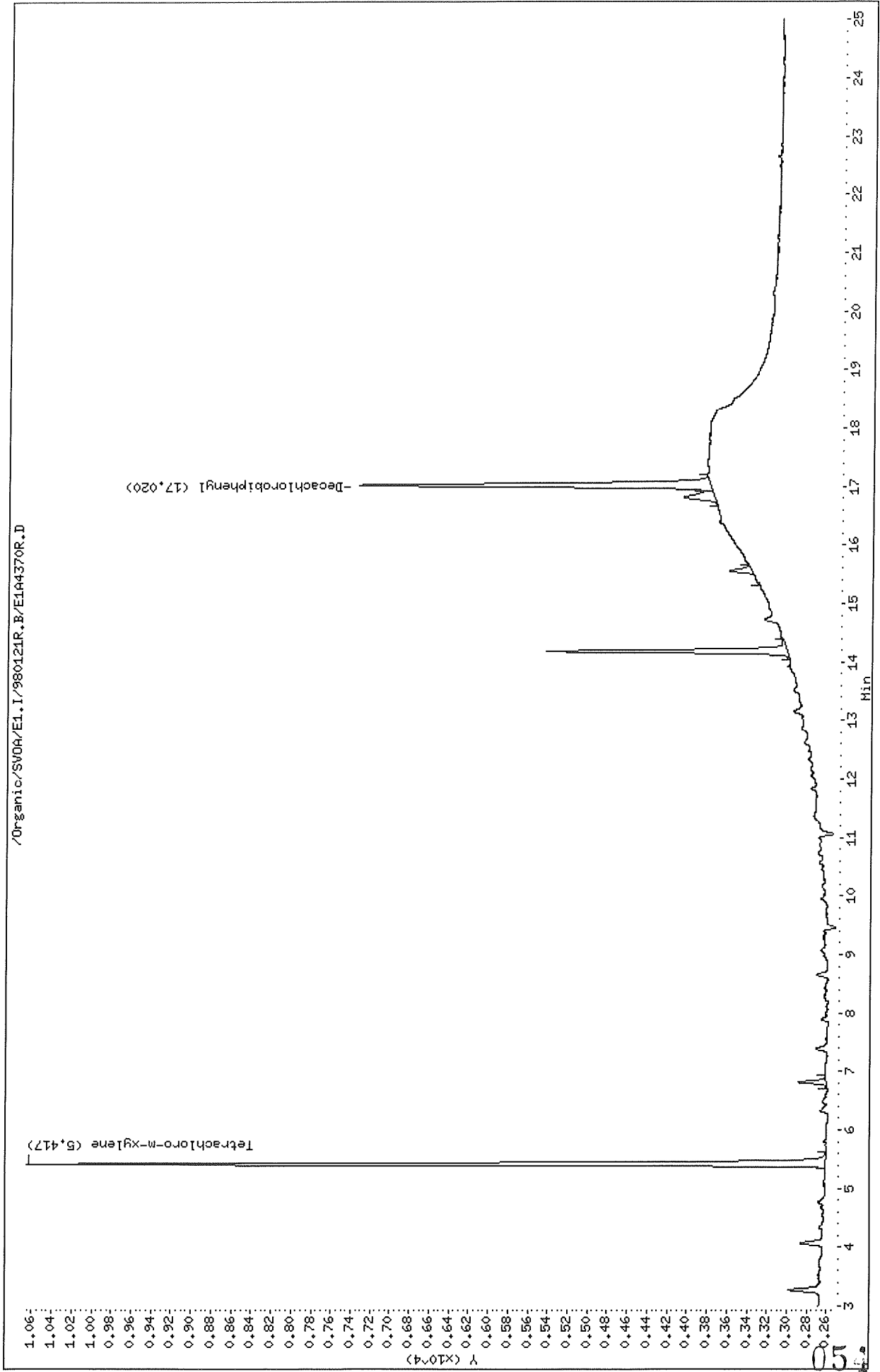
Operator: sph

Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4370R.D  
Date: 21-JAN-1998 19:57  
Client ID: MW-5(D)  
Sample Info: E0064-11.MW-5(D).P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4370F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4370R.D  
 Inj Date : 21-JAN-1998 19:57  
 Sample Info: E0064-11(MW-5(D)),P0120-B2  
 Misc Info : 0,,1,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

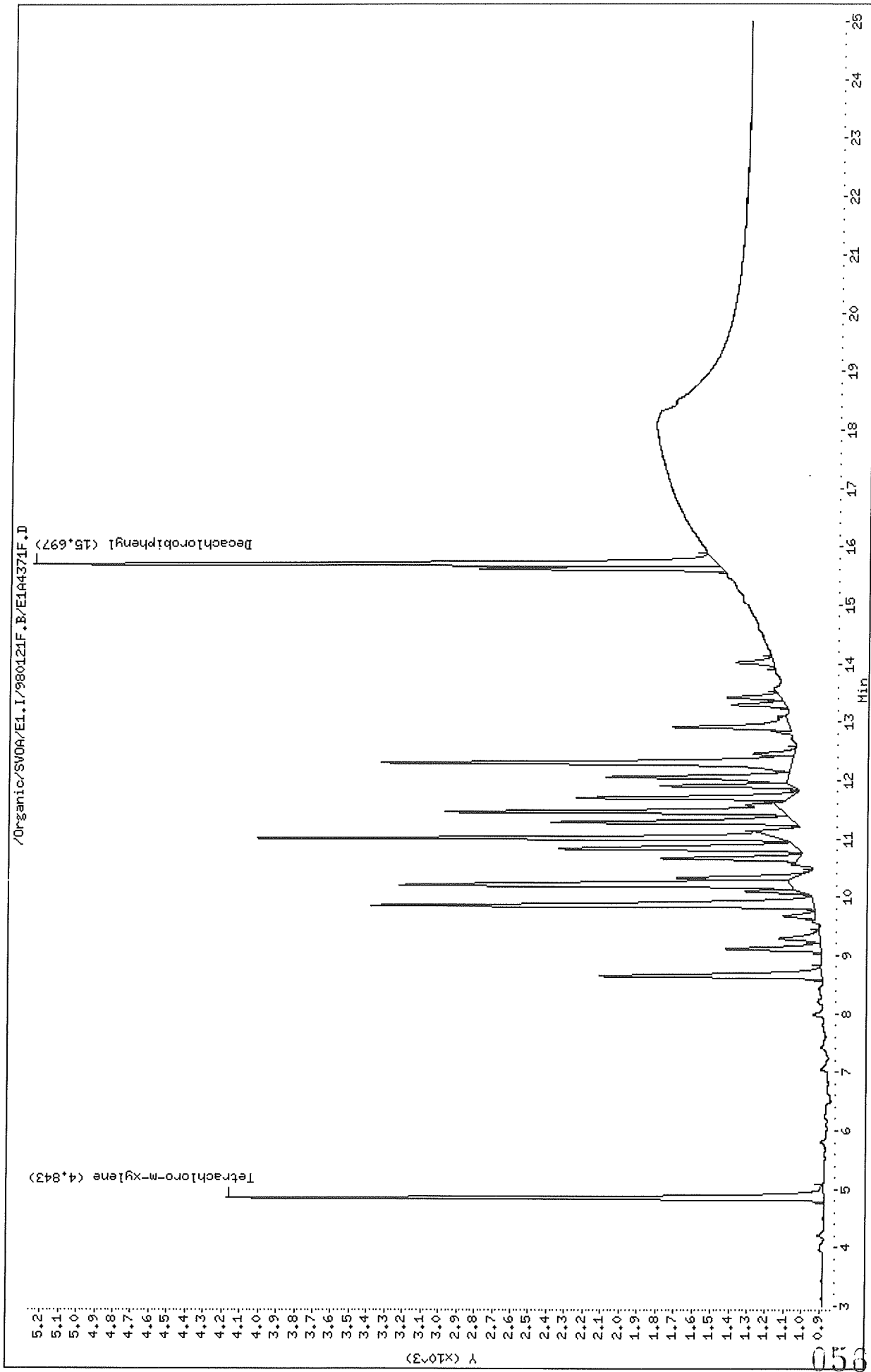
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	3605	8046	0.167	0.176		100.00
Decachlorobiphenyl	15.700	17.020	2026	3560	0.0906	0.0943		100.00

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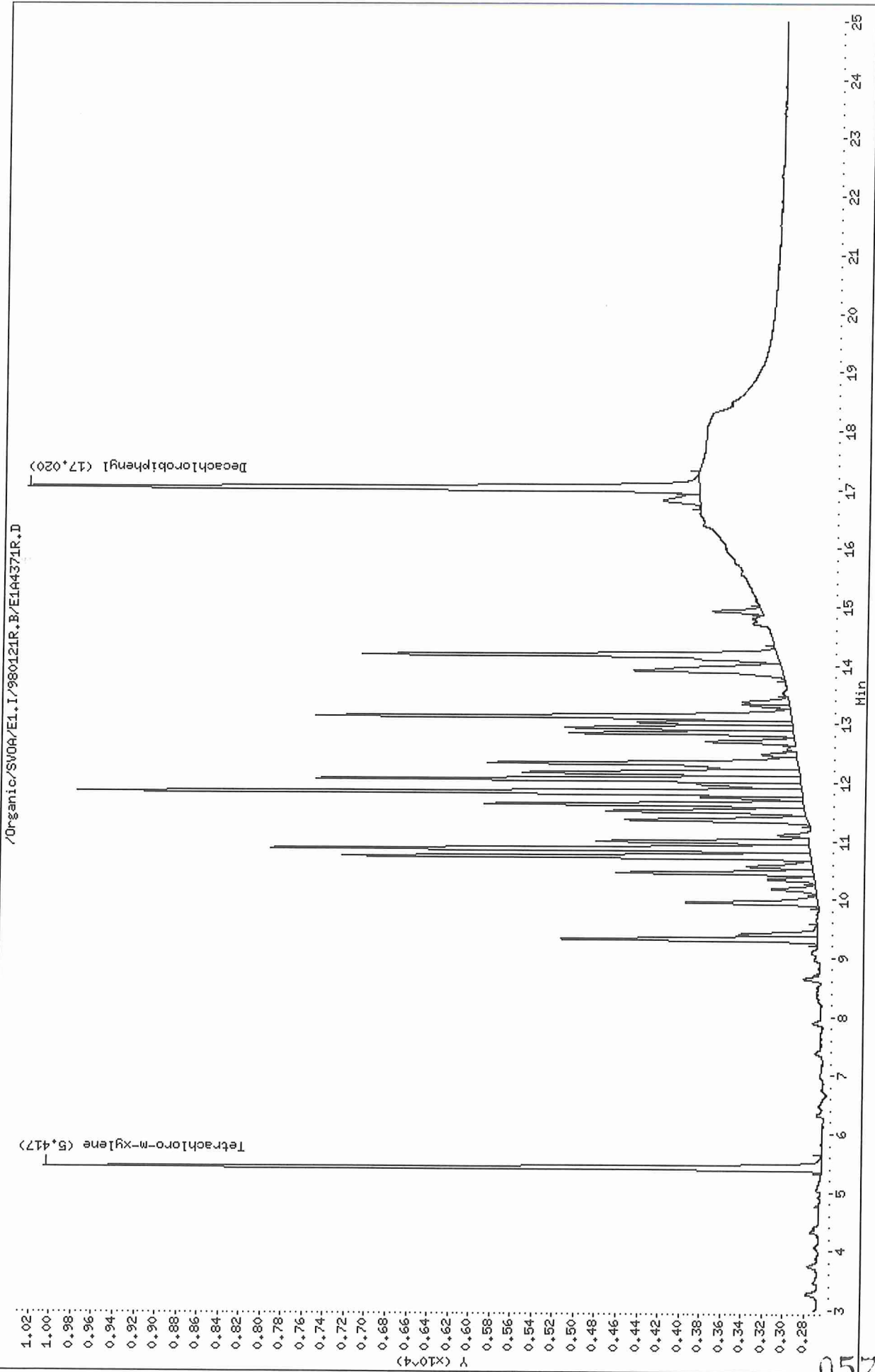
Data File: /Organic/SV0A/E1.I/980121F.B/E1A4371F.D  
Date: 21-JAN-1998 20:25  
Client ID: PS-65005  
Sample Info: E0064-12, PS-65005, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV04/E1.I/980121R.B/E1A4371R.D  
Date: 21-JAN-1998 20:25  
Client ID: PS-65005  
Sample Info: E0064-12, PS-65005, P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4371F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4371R.D  
 Inj Date : 21-JAN-1998 20:25  
 Sample Info: E0064-12 PS-65005, #0120-B2  
 Misc Info : 0,,,1,,,,,20-JAN-98,19-JAN-98  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	3301	7414	0.153	0.162		100.00
Decachlorobiphenyl	15.697	17.020	3781	6420	0.169	0.170		100.00
Aroclor-1254	9.850	10.730	2445	4495	2.20	2.27	80.00- 120.00	100.00
	10.200	10.860	2168	5156	2.16	2.29	69.61- 109.61	88.67
	11.003	11.630	2872	3048	2.04	2.04	111.14- 151.14	117.46
	11.457	12.057	1864	4632	1.95	2.09	67.93- 107.93	76.24
	11.693	12.333	1162	2956	2.09	2.28	31.91- 71.91	47.53
Average of Peak Amounts =					2.09	2.19		

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Data File: /Organic/SV0A/E1.I/980121F.B/E1A4372F.D

Date : 21-JAN-1998 20:53

Client ID: PS-63006

Sample Info: E0064-13,PS-63006,P0120-B2

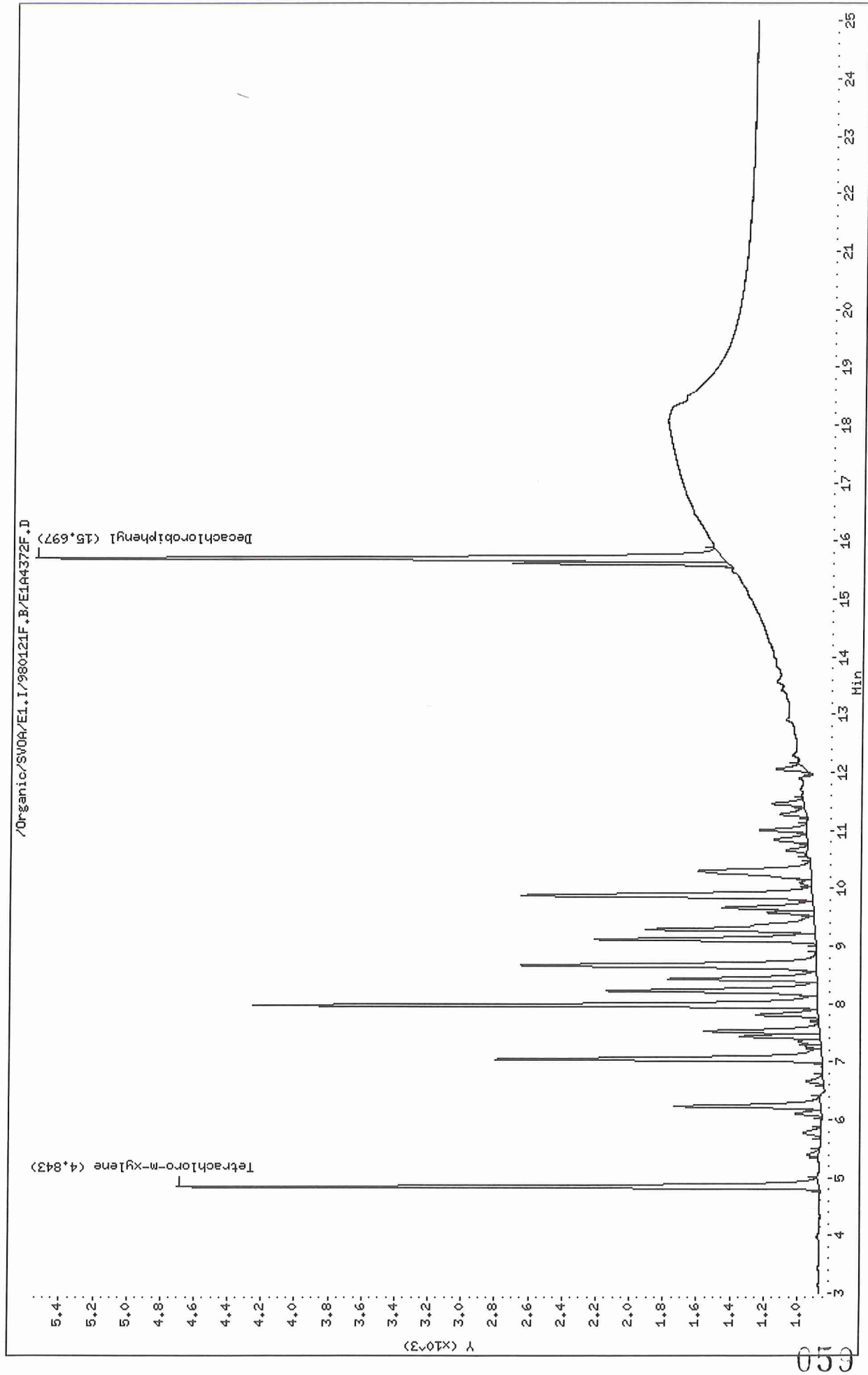
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

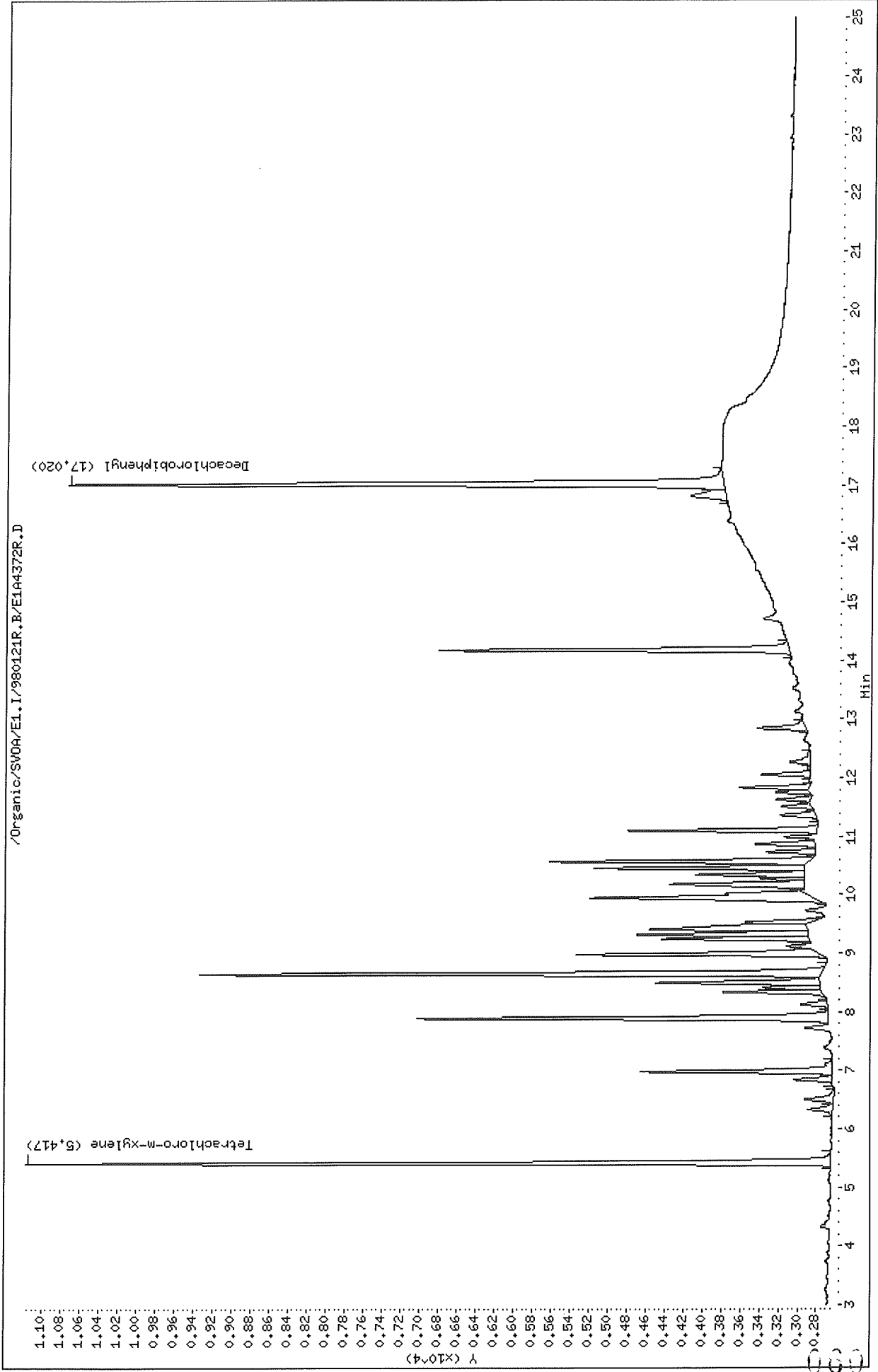
Column diameter: 0.53





Data File: /Organic/SV04/E1.I/980121R.B/E1A4372R.D  
Date : 21-JAN-1998 20:53  
Client ID: PS-63006  
Sample Info: E0064-13,PS-63006,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4372F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4372R.D  
 Inj Date : 21-JAN-1998 20:53  
 Sample Info: E0064-13, PS-63006, P0120-B2  
 Misc Info : 0,,,,,1,,,,,20-JAN-98, 19-JAN-98  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

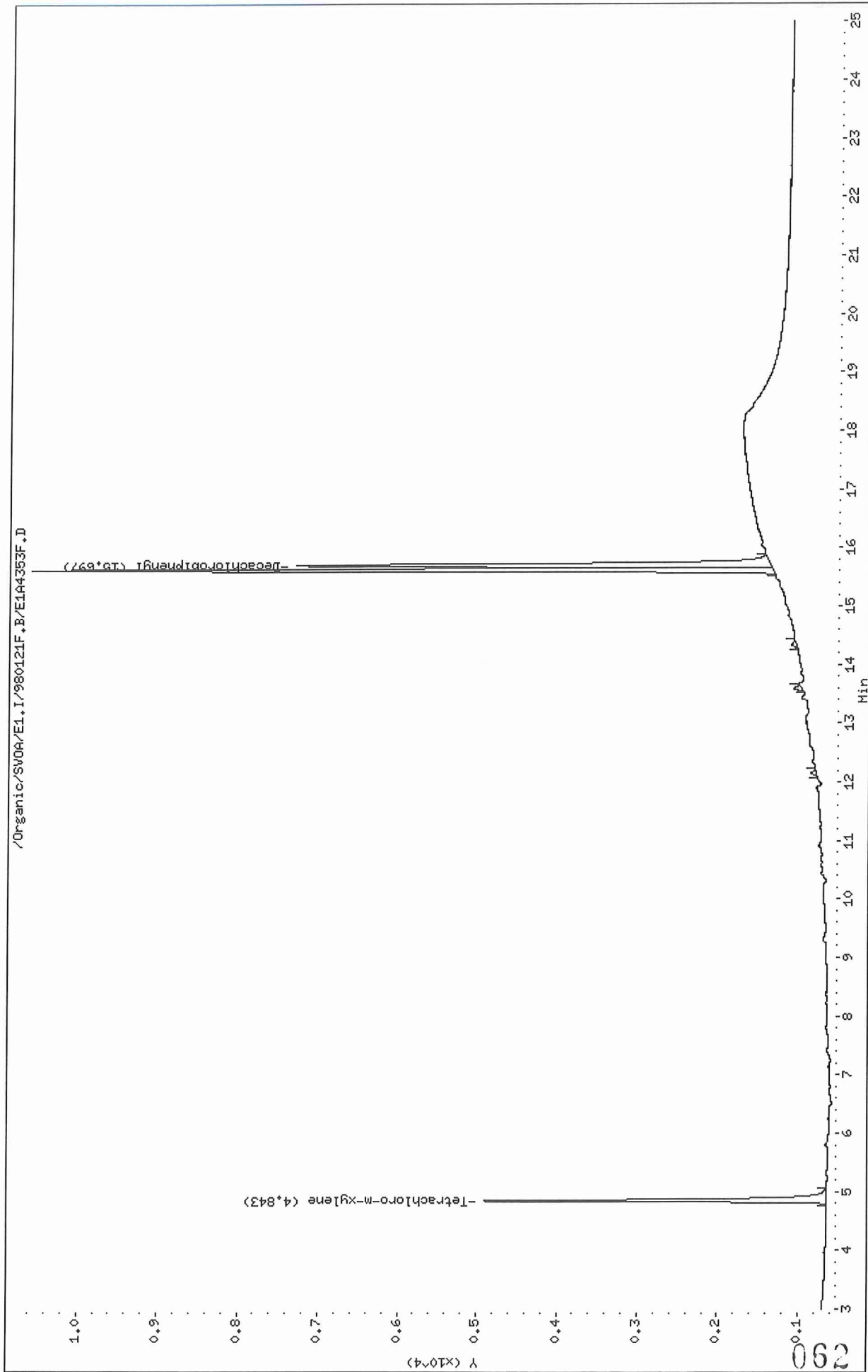
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	3833	8521	0.178	0.187		100.00
Decachlorobiphenyl	15.697	17.020	4109	6942	0.184	0.184		100.00
Aroclor-1242	6.230	6.980	878	2015	2.06	2.36	80.00- 120.00	100.00
	7.040	7.890	1942	4357	2.67	2.79	156.78- 196.78	221.18
	7.970	8.643	3377	6578	2.44	2.46	325.08- 365.08	384.62
	8.220	8.977	1255	2576	2.42	2.47	106.46- 146.46	142.94
	8.423	9.240	888	1562	2.18	2.81	78.44- 118.44	101.14
Average of Peak Amounts =					2.35	2.42		

GL  
1/22/98

Data File: /Organic/SV004/E1.I/980121F.B/E1A4353F.D  
Date : 21-JAN-1998 12:03  
Client ID: PBLK01  
Sample Info: P0120-B2,PBLK01,P0120-B2  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.1/980121R.B/E1A4353R.D

Date: 21-JAN-1998 12:03

Client ID: PBLK01

Sample Info: P0120-B2,PBLK01,P0120-B2

Volume Injected (uL): 2.0

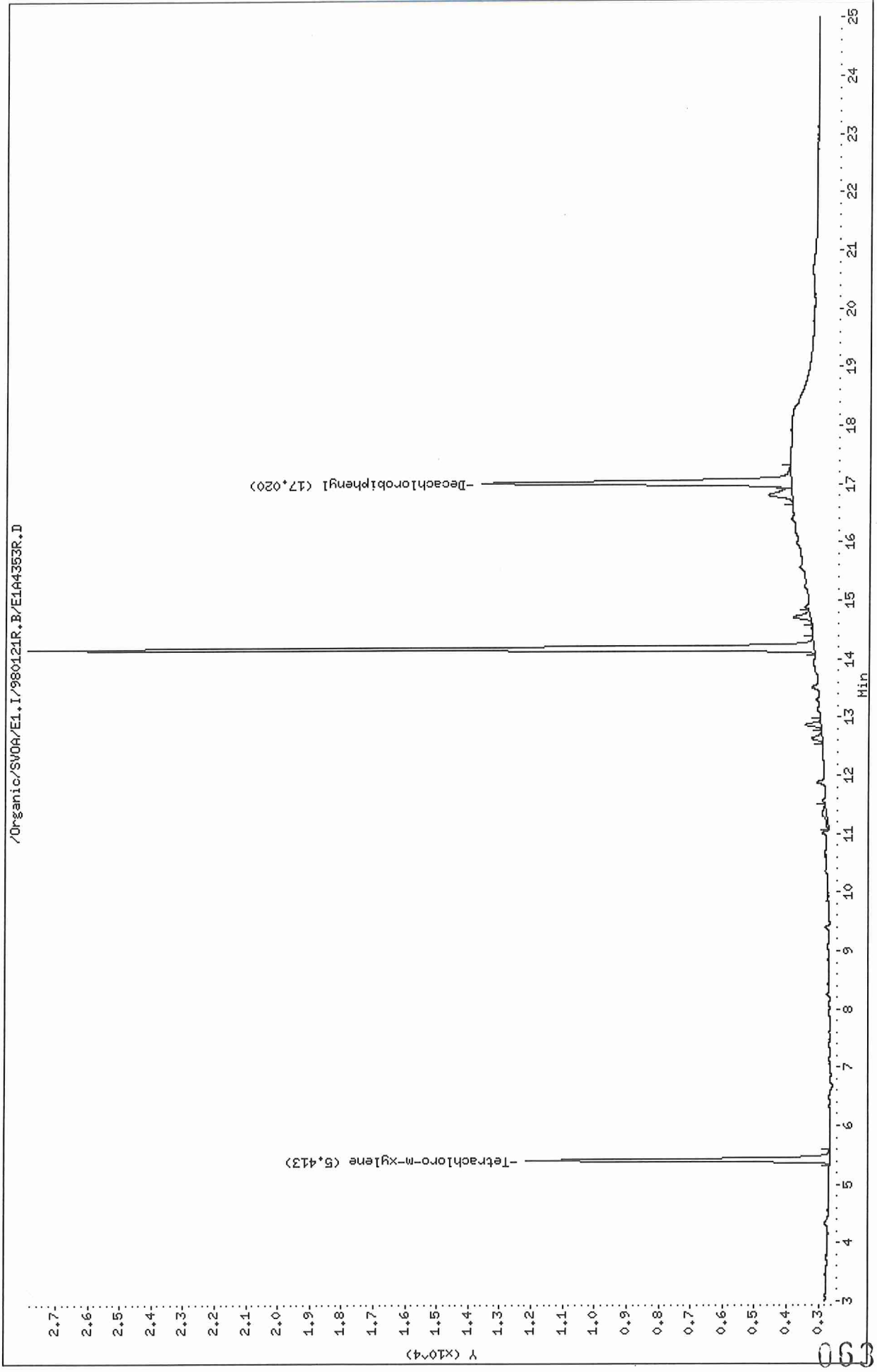
Column phase: DB-608

Instrument: E1.1

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.1/980121R.B/E1A4353R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4353F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4353R.D  
 Inj Date : 21-JAN-1998 12:03  
 Sample Info: P0120-B2 PBLK01, P0120-B2  
 Misc Info : 3,,BLANK,1,,,,,20-JAN-98  
 Cal Date : 21-JAN-1998 15:07  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	4265	9491	0.198	0.208		100.00
Decachlorobiphenyl	15.697	17.020	5928	9734	0.265	0.258		100.00

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1/22/98

Data File: /Organic/SV0A/E1.I/980121F.B/E1A4354F.D

Date : 21-JAN-1998 12:31

Client ID: PBLK01LCS

Sample Info: P0120-LCS2,PBLK01LCS,P0120-B2

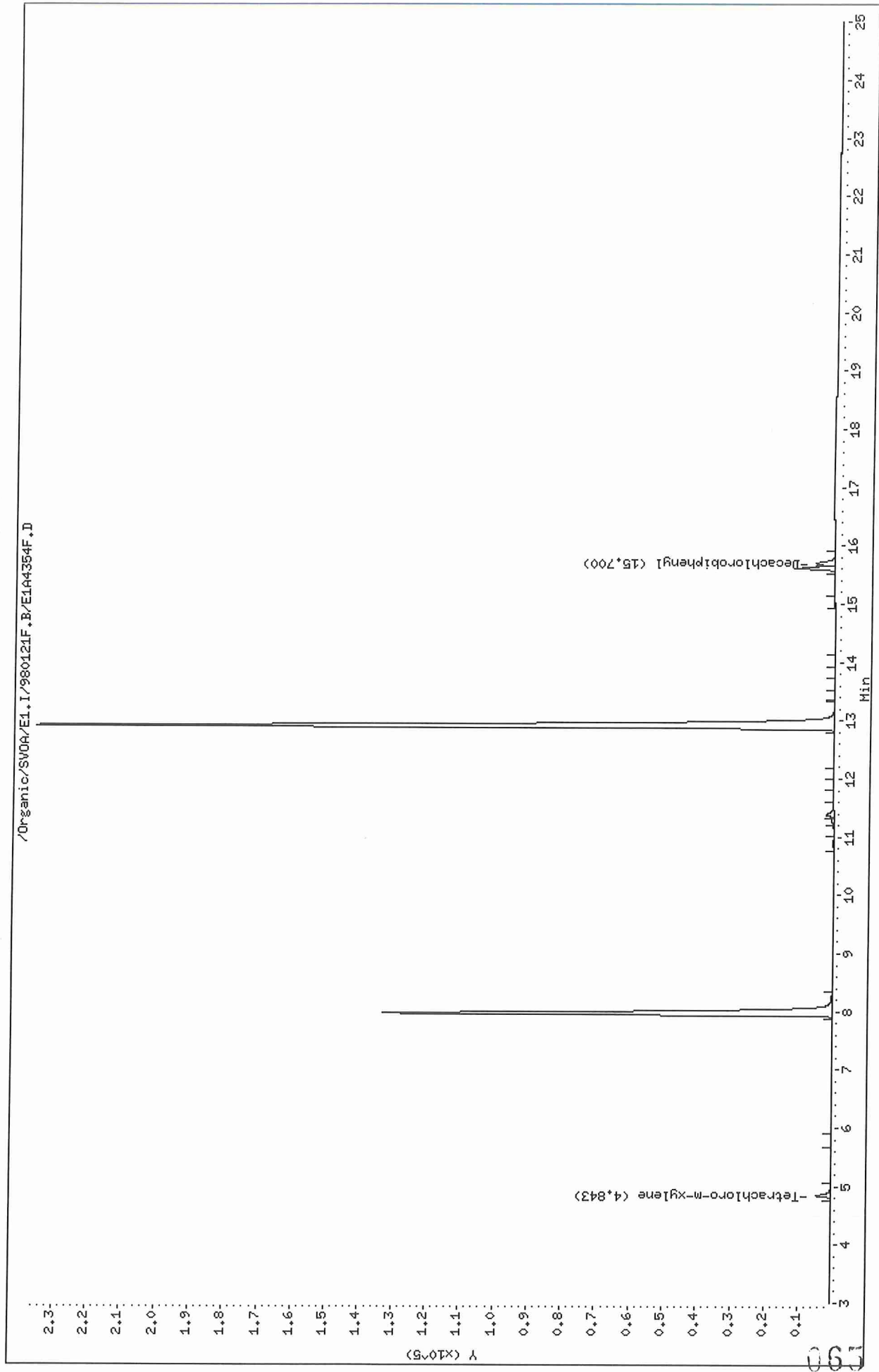
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4354R.D

Date : 21-JAN-1998 12:31

Client ID: PBLK01LCS

Sample Info: P0120-LCS2,PBLK01LCS,P0120-B2

Volume Injected (uL): 2.0

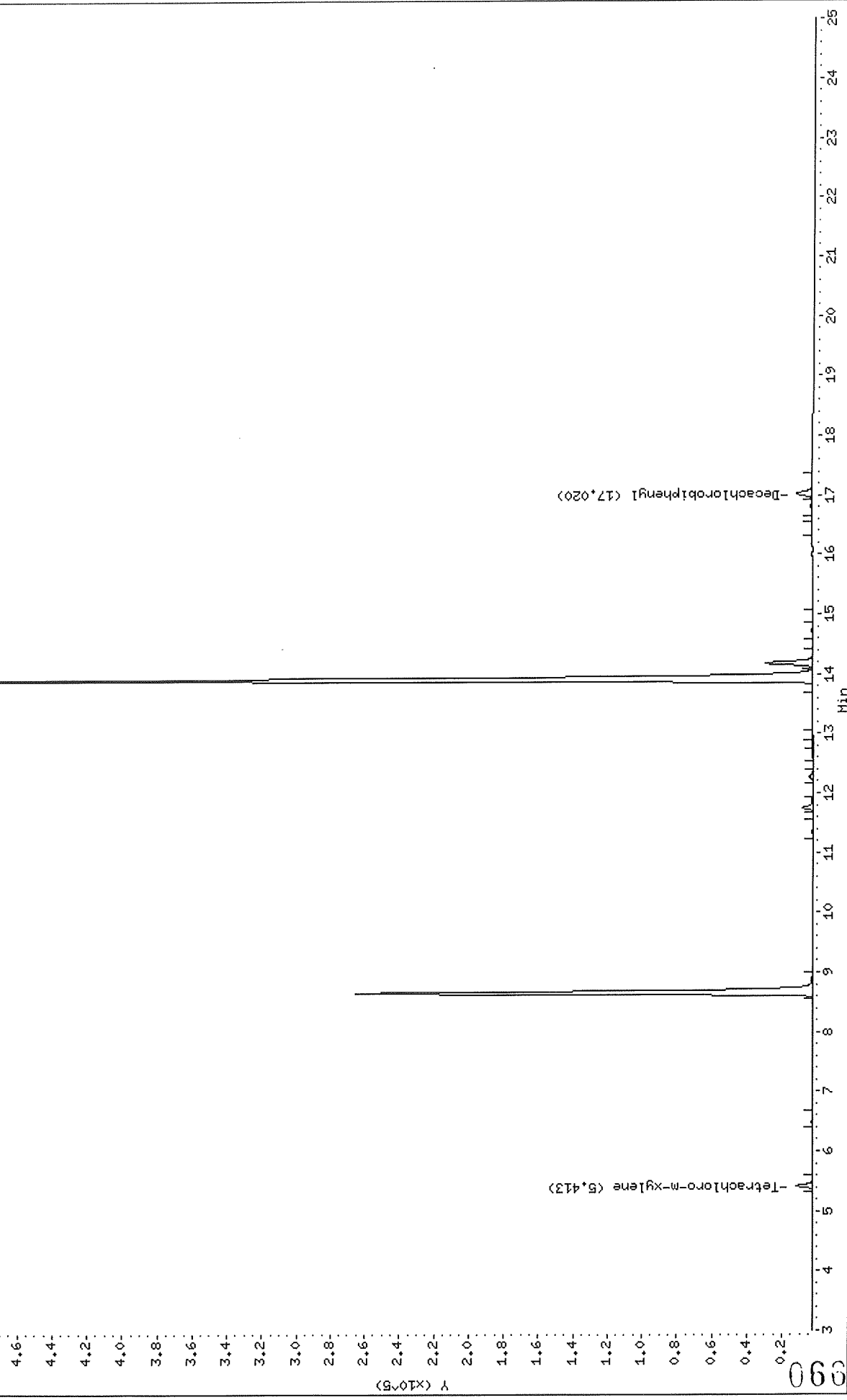
Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV00A/E1.I/980121R.B/E1A4354R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4354F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4354R.D  
 Inj Date : 21-JAN-1998 12:31  
 Sample Info: P0120-LCS2, PBLK01LCS, P0120-B2  
 Misc Info : 3,,LCS,1,,,,,20-JAN-98  
 Cal Date : 22-JAN-1998 09:16  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : all.sub  
 Sub List #2 : all.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	4125	9148	0.191	0.200		100.00
Decachlorobiphenyl	15.700	17.020	5589	9209	0.250	0.244		100.00
2,4,4'-Trichlorobiphenyl	7.967	8.650	132444	263252	12.7	12.7		100.00
Hexachlorobiphenyl	12.900	13.907	235354	473978	13.5	13.6		100.00

*CR*  
*1/22/98*



## Initial Calibrations

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Cal Date : 22-Jan-1998 09:57 mtl

Calibration File Names:

Level 1: \Organic\SVOA\E1.I\980120F.B\E1A4342F.D  
 Level 2: \Organic\SVOA\E1.I\980120F.B\E1A4343F.D  
 Level 3: \Organic\SVOA\E1.I\980120F.B\E1A4344F.D  
 Level 4: \Organic\SVOA\E1.I\980120F.B\E1A4345F.D  
 Level 5: \Organic\SVOA\E1.I\980120F.B\E1A4346F.D

Compound	0.2000		1		2		5		10		Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 10	Level 5	Level 10	b	m1	m2		
3 2,4,4'-Trichlorobiphenyl	32156	59625	108585	233814	411340	QUAD	0.00002	1.8558e-011	0.99983				
4 Hexachlorobiphenyl	53503	99699	183160	395305	700757	QUAD	0.0000e+000	0.00001	6.074e-012	0.99982			
5 Aroclor-1016(1)	2580	2642	2574	2443	2269	AVRG		2502		5.94270			
(2)	5720	5415	5083	4627	4225	AVRG		5014		11.95254			
(3)	3650	3749	3670	3508	3300	AVRG		3575		4.94606			
6 Aroclor-1221(1)	1453	1386	1314	1173	1083	AVRG		1282		11.84317			
(2)	1140	1161	1180	1171	1147	AVRG		1160		1.41507			
(3)	3728	3669	3544	3266	3057	AVRG		3453		8.21854			
7 Aroclor-1232(1)	3080	3054	2943	2735	2565	AVRG		2875		7.66697			
(2)	2265	2226	2126	1947	1835	AVRG		2080		8.84314			
(3)	3705	3890	3851	3726	3591	AVRG		3755		3.25591			

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Cal Date : 22-Jan-1998 09:57 mtl

Compound	0.2000		1	Level 2	2	Level 3	5	Level 4	10	Level 5	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2										ml	m2	
8 Aroclor-1242 (1)	2210	2246	2210	2051	2210	2210	2051	2051	1946	AVRG	2133	2133	6.03958	
(2)	4120	3894	3731	3355	3731	3731	3355	3355	3098	AVRG	3640	3640	11.31623	
(3)	7015	7260	7211	6742	7211	7211	6742	6742	6392	AVRG	6924	6924	5.20610	
(4)	2635	2706	2667	2523	2667	2667	2523	2523	2414	AVRG	2589	2589	4.60433	
(5)	1865	2002	2085	2112	2085	2085	2112	2112	2115	AVRG	2036	2036	5.19931	
9 Aroclor-1248 (1)	4470	4645	4701	4559	4701	4701	4559	4559	4254	AVRG	4526	4526	3.87133	
(2)	6470	5962	5631	5138	5631	5631	5138	5138	4638	AVRG	5568	5568	12.76838	
(3)	4725	4699	4605	4349	4605	4605	4349	4349	4023	AVRG	4480	4480	6.59477	
10 Aroclor-1254 (1)	6210	6024	5117	5362	5117	5117	5362	5362	5052	AVRG	5553	5553	9.58037	
(2)	5645	5360	5117	4663	5117	5117	4663	4663	4366	AVRG	5030	5030	10.28221	
(3)	7160	7287	7239	6931	7239	7239	6931	6931	6601	AVRG	7043	7043	4.01533	
(4)	4860	4923	4847	4716	4847	4847	4716	4716	4520	AVRG	4773	4773	3.35542	
(5)	2950	2909	2789	2688	2909	2909	2688	2688	2564	AVRG	2780	2780	5.71377	
11 Aroclor-1260 (1)	4585	4540	4477	4396	4477	4477	4396	4396	4261	AVRG	4452	4452	2.87950	
(2)	8810	9149	9107	8846	9107	9107	8846	8846	8430	AVRG	8868	8868	3.24623	
(3)	6065	6478	6486	6478	6486	6486	6478	6478	6316	AVRG	6364	6364	2.86009	

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Cal Date : 22-Jan-1998 09:57 mt1

Compound	0.2000					Level 3	Level 4	Level 5	Curve	Coefficients		%RSD or R <sup>2</sup>
	Level 1	Level 2	Level 3	Level 4	Level 5					m1	m2	
\$ 1 Tetrachloro-m-xylene	82750	96850	107075	123880	128930	107075	123880	128930	AVRG	107897		17.66373
\$ 2 Decachlorobiphenyl	114000	116300	113350	110480	104990	113350	110480	104990	AVRG	111824		3.88794

Curve	Formula	Units
Averaged	Amt = Rep/ml	Response
Quad	Amt = b + m1*Rep + m2*Rep <sup>2</sup>	Response

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Cal Date : 22-Jan-1998 09:56 mtl

Calibration File Names:

- Level 1: \Organic\SVOA\E1.I\980120R.B\E1A4342R.D
- Level 2: \Organic\SVOA\E1.I\980120R.B\E1A4343R.D
- Level 3: \Organic\SVOA\E1.I\980120R.B\E1A4344R.D
- Level 4: \Organic\SVOA\E1.I\980120R.B\E1A4345R.D
- Level 5: \Organic\SVOA\E1.I\980120R.B\E1A4346R.D

Compound	0.2000					Coefficients					%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	10	Curve	b	ml	m2	
3 2,4,4'-Trichlorobiphenyl	61091	114725	212678	480110	870364	QUAD	0.000e+000	8.834e-006	3.069e-012	0.99991	
4 Hexachlorobiphenyl	99473	190460	360687	826302	1553052	QUAD	0.000e+000	5.426e-006	6.584e-013	0.99987	
5 Aroclor-1016 (1)	5490	5240	4942	4546	4165	AVRG		4877		10.88858	
(2)	12525	11172	10241	9070	8185	AVRG		10239		16.69228	
(3)	18770	18834	17761	16579	15429	AVRG		17475		8.38811	
6 Aroclor-1221 (1)	2878	2669	2502	2219	2011	AVRG		2456		14.09486	
(2)	2638	2641	2581	2502	2407	AVRG		2554		3.89128	
(3)	7478	7075	6700	6010	5512	AVRG		6555		12.12810	
7 Aroclor-1232 (1)	6570	5994	5673	5154	4740	AVRG		5626		12.68370	
(2)	5385	5058	4760	4292	3932	AVRG		4685		12.42743	
(3)	7785	7719	7588	7381	6979	AVRG		7490		4.33434	

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Cal Date : 22-Jan-1998 09:56 mtl

Compound	0.2000		1		2		5		10		Coefficients		%RSD or R^2	
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	Level 10	b	m1		m2
8 Aroclor-1242 (1)	4730	4526	4359	3986	3709	3709	3709	3709	3709	3709	4262	4262	4262	9.68083
(2)	9275	8449	7855	7002	6400	6400	6400	6400	6400	6400	7796	7796	7796	14.62229
(3)	14215	13984	13946	12937	11832	11832	11832	11832	11832	11832	13383	13383	13383	7.44922
(4)	5745	5384	5303	4960	4663	4663	4663	4663	4663	4663	5213	5213	5213	7.97177
(5)	3715	3761	3856	3913	3888	3888	3888	3888	3888	3888	3826	3826	3826	2.21891
9 Aroclor-1248 (1)	10020	9741	9314	8949	8206	8206	8206	8206	8206	8206	9246	9246	9246	7.68477
(2)	3645	3612	3294	3291	2953	2953	2953	2953	2953	2953	3359	3359	3359	8.42089
(3)	7620	7892	8101	8228	7657	7657	7657	7657	7657	7657	7899	7899	7899	3.38131
10 Aroclor-1254 (1)	11345	10570	10013	9095	8432	8432	8432	8432	8432	8432	9891	9891	9891	11.69565
(2)	13120	12092	11451	10246	9442	9442	9442	9442	9442	9442	11270	11270	11270	12.95049
(3)	7590	7684	7681	7373	7080	7080	7080	7080	7080	7080	7482	7482	7482	3.44292
(4)	11760	11600	11393	10638	10059	10059	10059	10059	10059	10059	11090	11090	11090	6.48270
(5)	7105	6879	6636	6063	5747	5747	5747	5747	5747	5747	6486	6486	6486	8.73926
11 Aroclor-1260 (1)	9110	8888	8614	8226	7887	7887	7887	7887	7887	7887	8545	8545	8545	5.78328
(2)	22915	22799	22234	21302	20614	20614	20614	20614	20614	20614	21973	21973	21973	4.51295
(3)	11055	11235	11137	10935	10617	10617	10617	10617	10617	10617	10996	10996	10996	2.17259

Report Date : 30-Jan-1998 10:13

Thru-Put Systems, Inc.

INITIAL CALIBRATION DATA

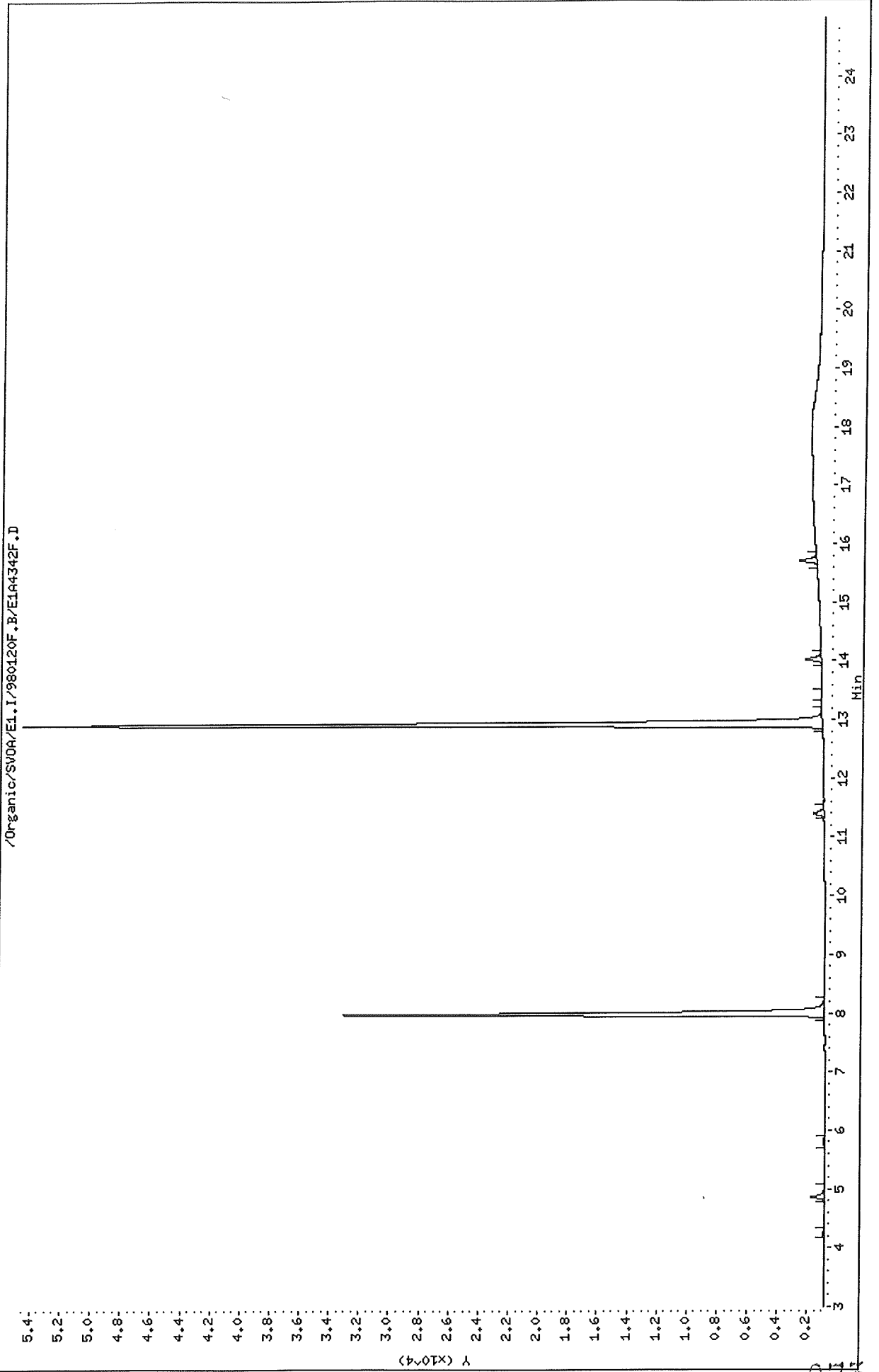
Start Cal Date : 13-JAN-1998 22:19  
 End Cal Date : 20-JAN-1998 18:26  
 Quant Method : ESTD  
 Origin : Included  
 Target Version : 3.40  
 Integrator : Falcon  
 Method file : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Cal Date : 22-Jan-1998 09:56 mtl

Compound	0.2000	1	2	5	10	Curve	b	Coefficients	%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5			m1 m2	or R^2
\$ 1 Tetrachloro-m-xylene	200000	217000	228875	247210	247565	AVRG		228130	8.92306
\$ 2 Decachlorobiphenyl	200500	195150	189200	182690	176100	AVRG		188728	5.13700

Curve	Formula	Units
Averaged	Amt = Resp/ml	Response
Quad	Amt = b + m1*Resp + m2*Resp^2	Response

Data File: /Organic/SV0A/E1.I/980120F.B/E1A4342F.D  
Date : 20-JAN-1998 16:34  
Client ID: CONGA1  
Sample Info: CONGA1.CONGA1.cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

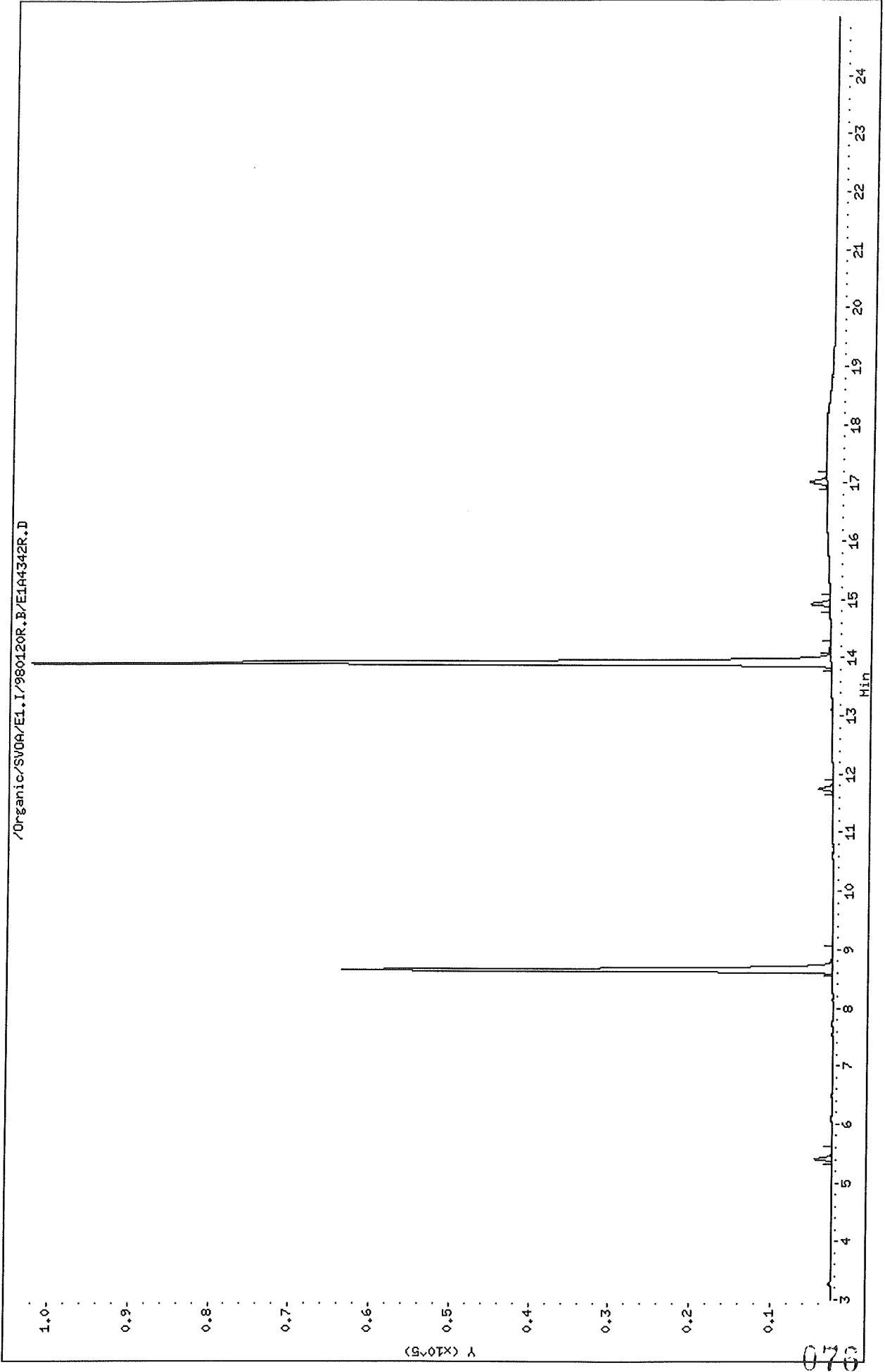
Instrument: EI.i  
Operator: sph  
Column diameter: 0.53





Data File: /Organic/SV00A/E1.I/980120R.B/E1A4342R.D  
Date : 20-JAN-1998 16:34  
Client ID: CONGA1  
Sample Info: CONGA1,CONGA1,cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

8080 PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\980120F.B\E1A4342F.D  
 Lab Smp Id: CONGA1 Client Smp ID: CONGA1  
 Inj Date : 20-JAN-1998 16:34  
 Operator : sph Inst ID: E1.i  
 Smp Info : CONGA1, CONGA1, cog.sub  
 Misc Info : ,1  
 Comment :  
 Method : \Organic\SVOA\E1.I\980120F.B\E1\_PCB\_F.M  
 Meth Date : 21-Jan-1998 14:21 mtl Quant Type: ESTD  
 Cal Date : 20-JAN-1998 16:34 Cal File: E1A4342F.D  
 Als bottle: 1 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: Falcon Compound Sublist: cogonly.sub  
 Target Version: 3.40  
 Processing Host: TARGET4

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE ( ng)	ON-COL ( ng)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
3	2,4,4'-Trichlorobiphenyl				CAS #:	
7.980	7.970	0.010	32156 0.50000	0.20		(a)
-----						
4	Hexachlorobiphenyl				CAS #:	
12.910	12.903	0.007	53503 0.50000	0.20		(a)
-----						

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

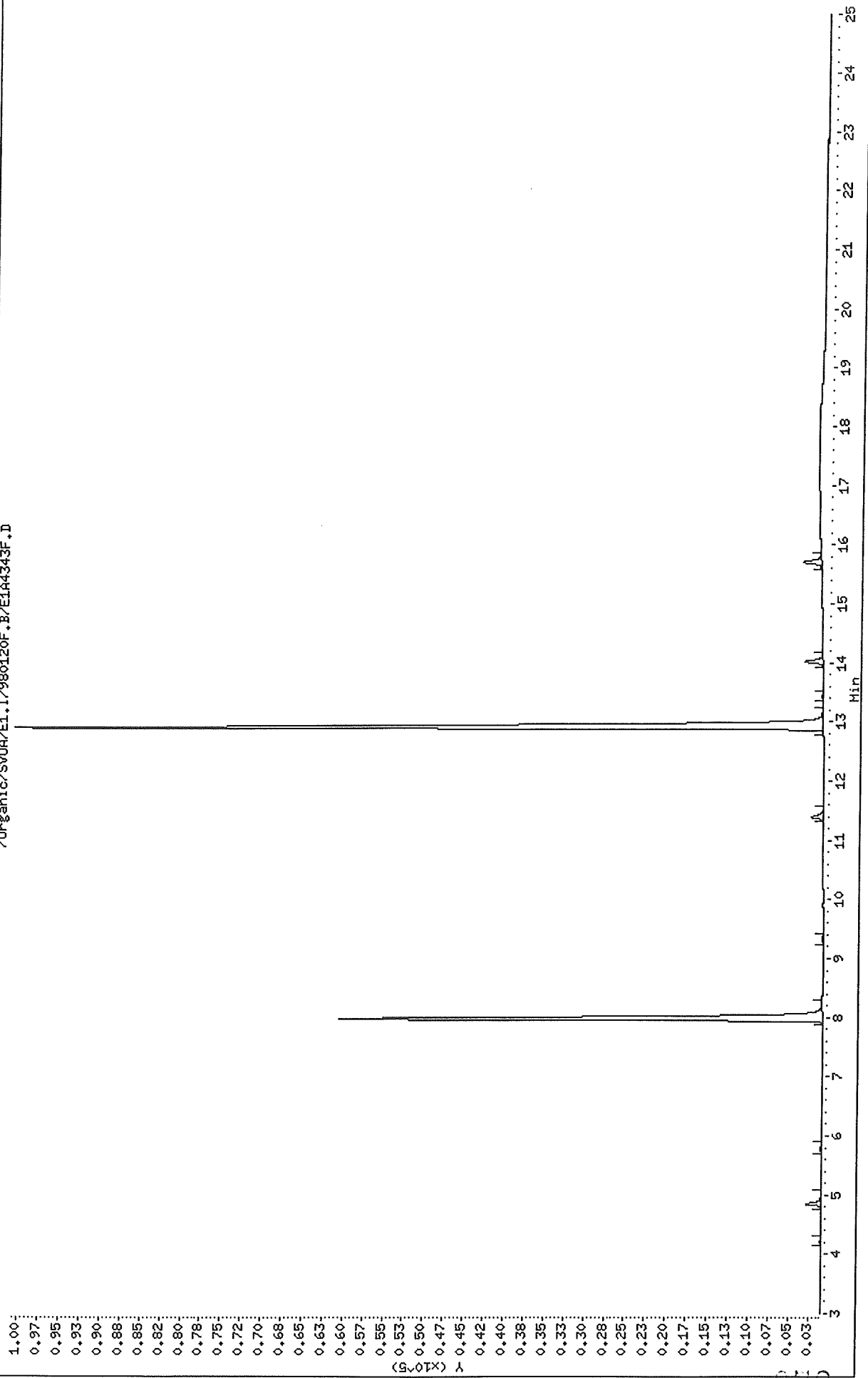
GL

1/30/98

Data File: /Organic/SV00A/E1.I/980120F.B/E1A4343F.D  
Date : 20-JAN-1998 17:02  
Client ID: CONGA2  
Sample Info: CONGA2,CONGA2.cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53

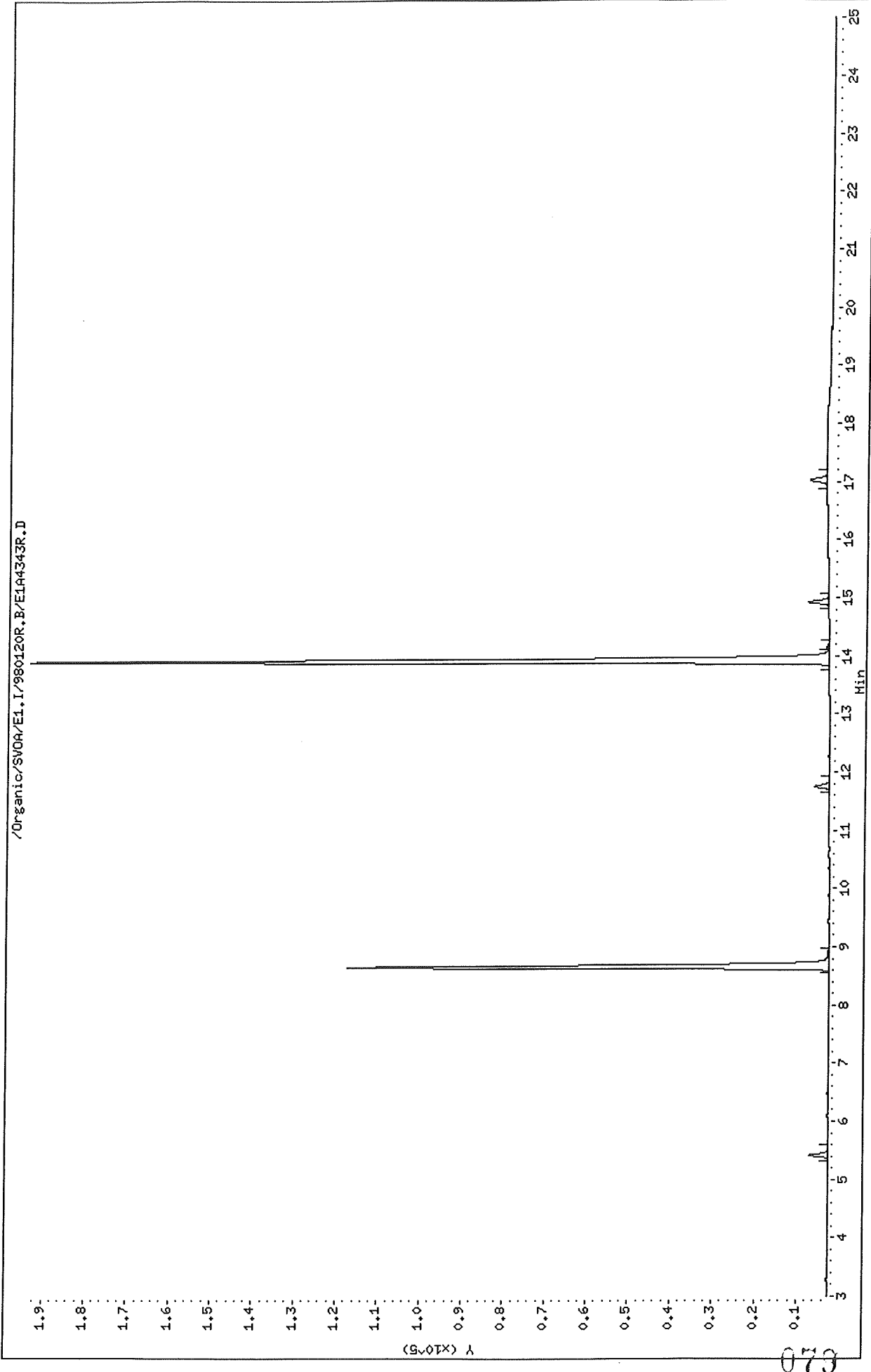
/Organic/SV00A/E1.I/980120F.B/E1A4343F.D



0.70

Data File: /Organic/SV04/E1.I/980120R.B/E1A4343R.D  
Date : 20-JAN-1998 17:02  
Client ID: CONGA2  
Sample Info: CONGA2,CONGA2,cog.sub  
Volume Injected (uL): 2.0  
Column Phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



020

Thru-Put Systems, Inc.

8080 PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\980120F.B\E1A4343F.D  
 Lab Smp Id: CONGA2 Client Smp ID: CONGA2  
 Inj Date : 20-JAN-1998 17:02  
 Operator : sph Inst ID: E1.i  
 Smp Info : CONGA2, CONGA2, cog.sub  
 Misc Info : ,2  
 Comment :  
 Method : \Organic\SVOA\E1.I\980120F.B\E1\_PCB F.M  
 Meth Date : 21-Jan-1998 14:21 mtl Quant Type: ESTD  
 Cal Date : 20-JAN-1998 17:02 Cal File: E1A4343F.D  
 Als bottle: 1 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: Falcon Compound Sublist: cogonly.sub  
 Target Version: 3.40  
 Processing Host: TARGET4

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT RESPONSE ( ng)	ON-COL ( ng)	TARGET RANGE	RATIO
3	2,4,4'					
7.970	7.970	0.000	59625 1.00000	0.54		(a)
4	Hexachlorobiphenyl					
12.907	12.903	0.004	99699 1.00000	0.54		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

6L

1/30/98

Data File: /Organic/SV04/E1.I/980120F.B/E1A4344F.D

Date : 20-JAN-1998 17:30

Client ID: CONGA3

Sample Info: CONGA3,CONGA3,cog.sub

Volume Injected (uL): 2.0

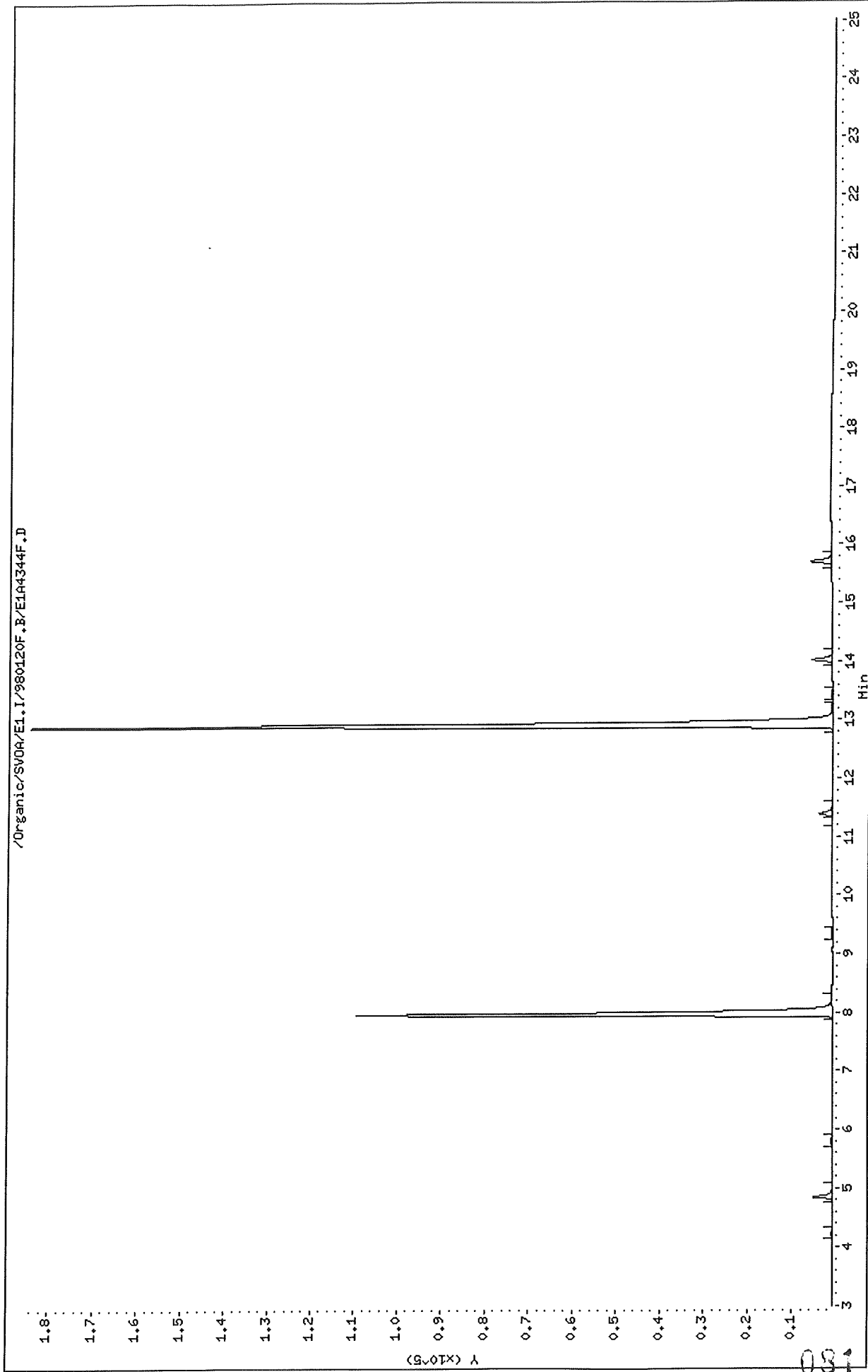
Column phase: DB-1701

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV04/E1.I/980120F.B/E1A4344F.D



Data File: /Organic/SV04/E1.I/980120R.B/E1A4344R.D

Date: 20-JAN-1998 17:30

Client ID: CONGA3

Sample Info: CONGA3, CONGA3, cog, sub

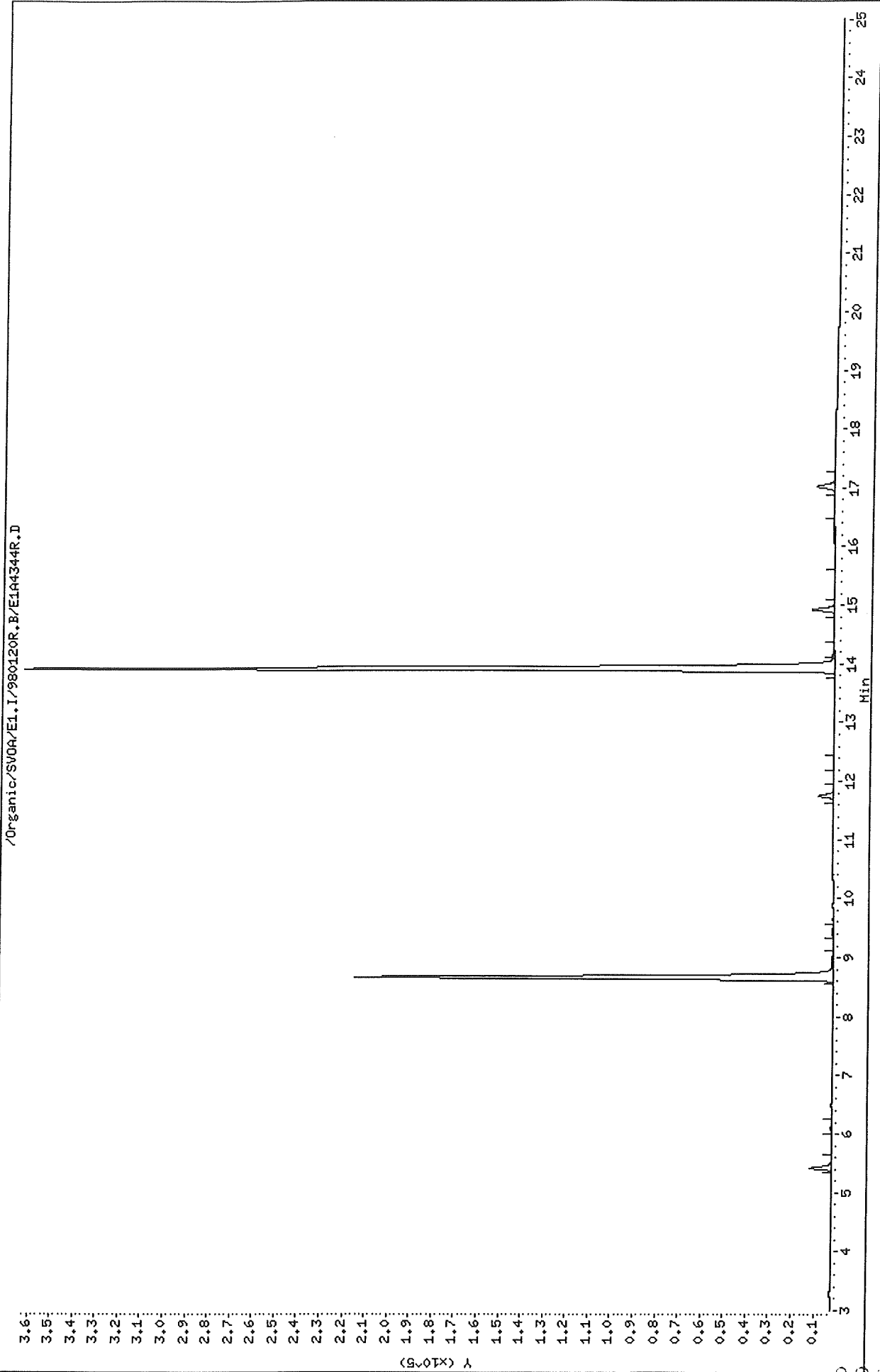
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Thru-Put Systems, Inc.

8080 PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\980120F.B\E1A4344F.D  
 Lab Smp Id: CONGA3 Client Smp ID: CONGA3  
 Inj Date : 20-JAN-1998 17:30  
 Operator : sph Inst ID: E1.i  
 Smp Info : CONGA3, CONGA3, cog.sub  
 Misc Info : ,3  
 Comment :  
 Method : \Organic\SVOA\E1.I\980120F.B\E1\_PCB F.M  
 Meth Date : 21-Jan-1998 14:21 mtl Quant Type: ESTD  
 Cal Date : 20-JAN-1998 17:30 Cal File: E1A4344F.D  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: Falcon Compound Sublist: cogonly.sub  
 Target Version: 3.40  
 Processing Host: TARGET4

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
=====	=====	=====	RESPONSE ( ng)	( ng)	=====	=====
3	2,4,4'-Trichlorobiphenyl			CAS #:		
7.970	7.970	0.000	108585	2.00000	1.2	
4	Hexachlorobiphenyl			CAS #:		
12.903	12.903	0.000	183160	2.00000	1.2	

GL  
 1/30/98



Data File: /Organic/SV0A/E1.I/980120F.B/E1A4345F.D

Date: 20-JAN-1998 17:58

Client ID: CONGA4

Sample Info: CONGA4, CONGA4, cog.sub

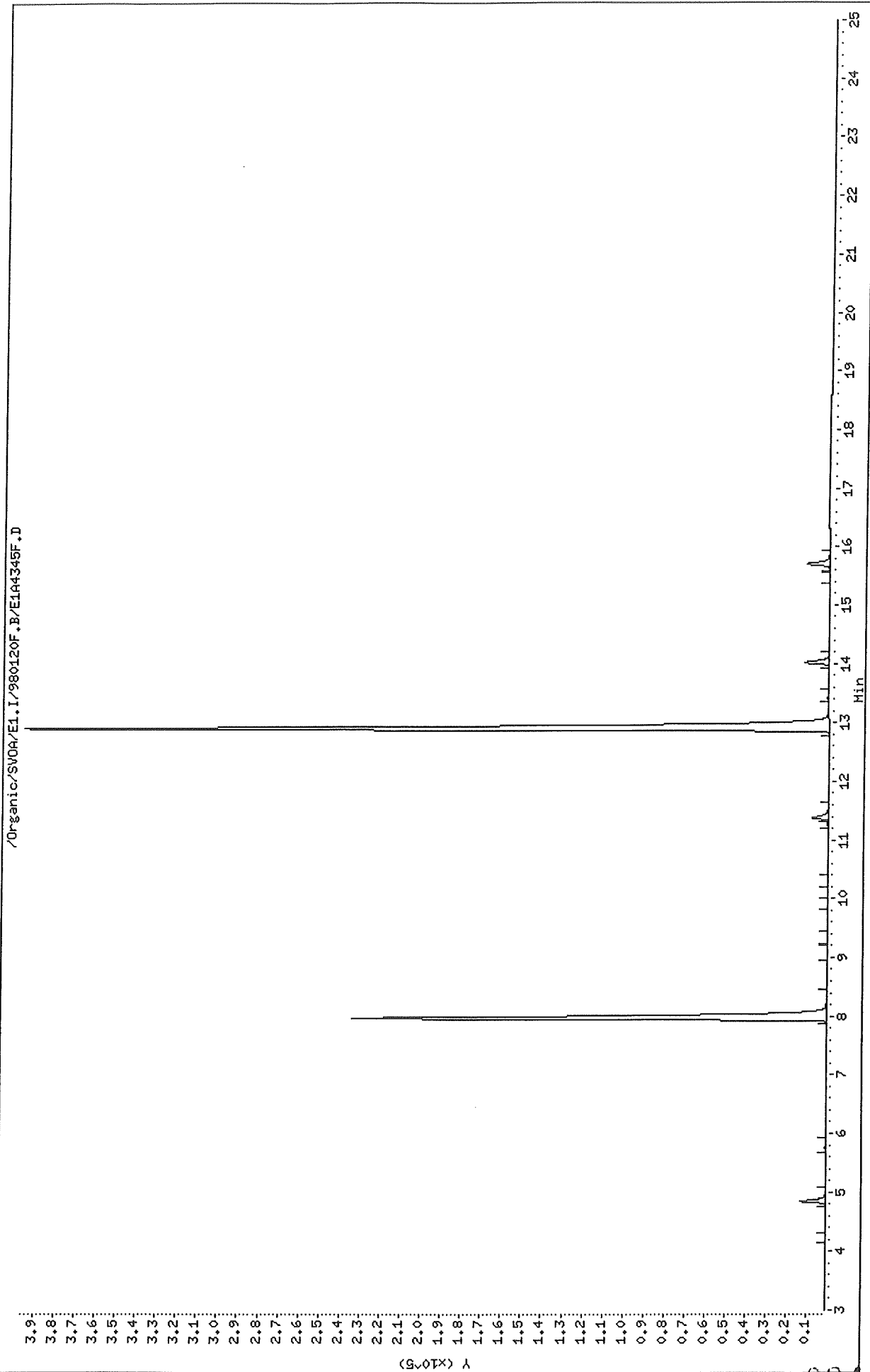
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

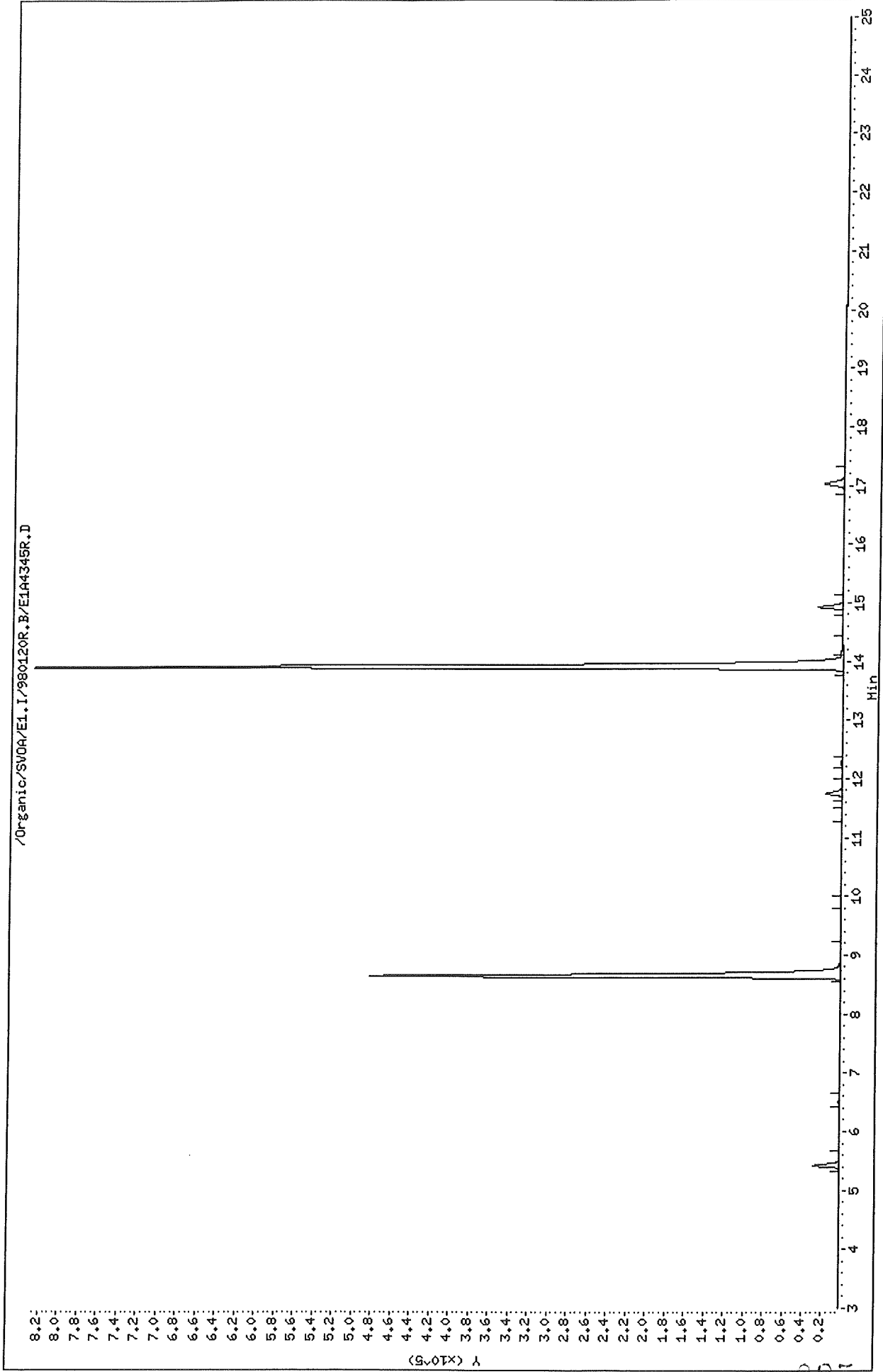
Column diameter: 0.53



034

Data File: /Organic/SV04/EI.1/980120R.B/E1A4345R.D  
Date : 20-JAN-1998 17:58  
Client ID: CONGA4  
Sample Info: CONGA4,CONGA4,cog.sub  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: EI.1  
Operator: sph  
Column diameter: 0.53



180

Thru-Put Systems, Inc.

8080 PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\980120F.B\E1A4345F.D  
 Lab Smp Id: CONGA4 Client Smp ID: CONGA4  
 Inj Date : 20-JAN-1998 17:58  
 Operator : sph Inst ID: E1.i  
 Smp Info : CONGA4, CONGA4, cog.sub  
 Misc Info : ,4  
 Comment :  
 Method : \Organic\SVOA\E1.I\980120F.B\E1\_PCB\_F.M  
 Meth Date : 21-Jan-1998 14:21 mt1 Quant Type: ESTD  
 Cal Date : 20-JAN-1998 17:58 Cal File: E1A4345F.D  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: Falcon Compound Sublist: cogonly.sub  
 Target Version: 3.40  
 Processing Host: TARGET4

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

AMOUNTS

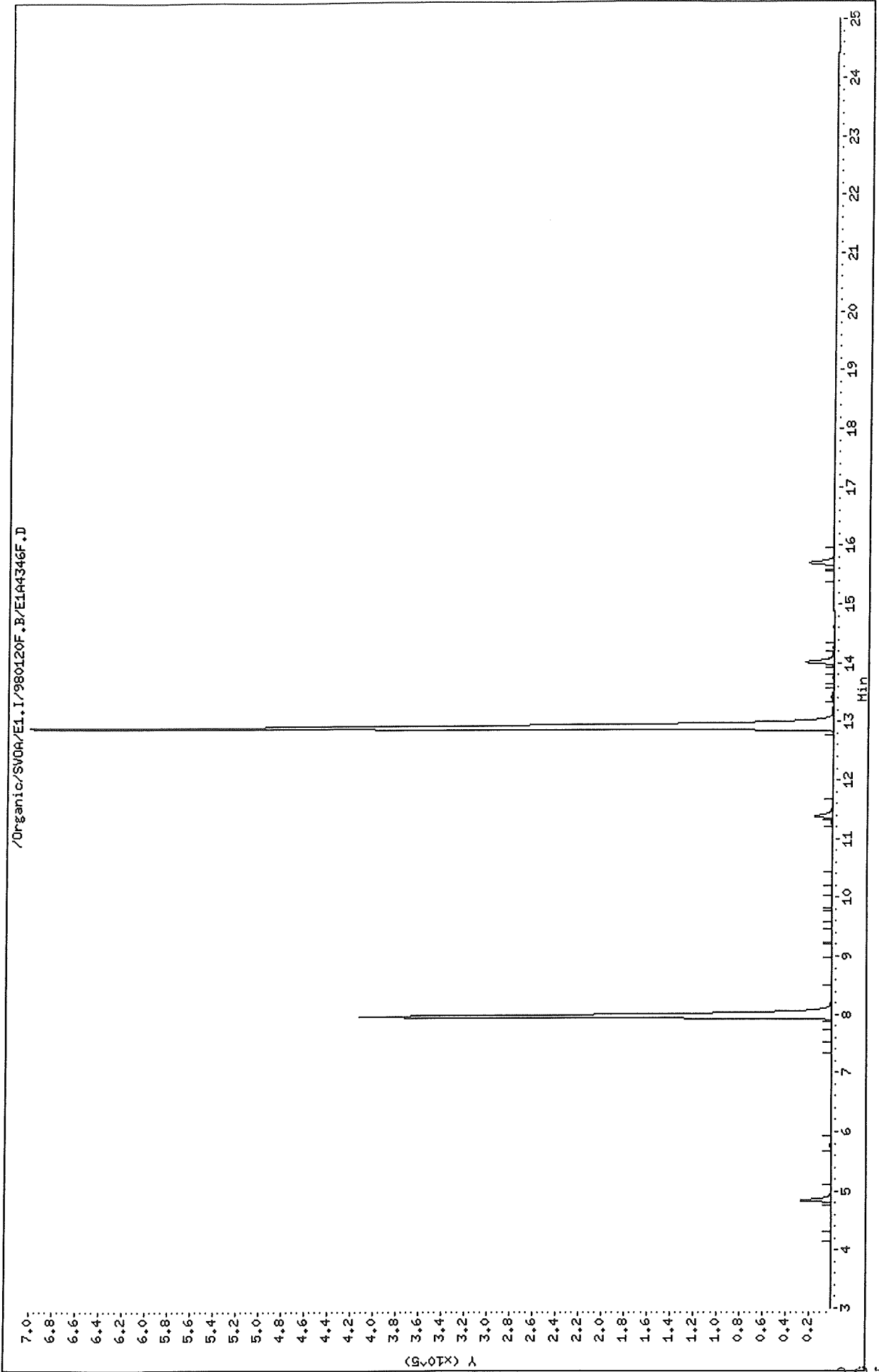
RT	EXP RT	DLT RT	CAL-AMT RESPONSE ( ng)	ON-COL ( ng)	TARGET RANGE	RATIO
3	2,4,4'	-Trichlorobiphenyl			CAS #:	
7.970	7.970	0.000	233814	5.00000	2.9	
4	Hexachlorobiphenyl				CAS #:	
12.903	12.903	0.000	395305	5.00000	2.9	

GL

1/30/98

Data File: /Organic/SV004/E1.I/980120F.B/E1A4346F.D  
Date : 20-JAN-1998 18:26  
Client ID: CONGAS  
Sample Info: CONGAS,CONGAS,cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.1/980120R.B/E1A4346R.D

Date : 20-JAN-1998 18:26

Client ID: CONGA5

Sample Info: CONGA5,CONGA5,cog.sub

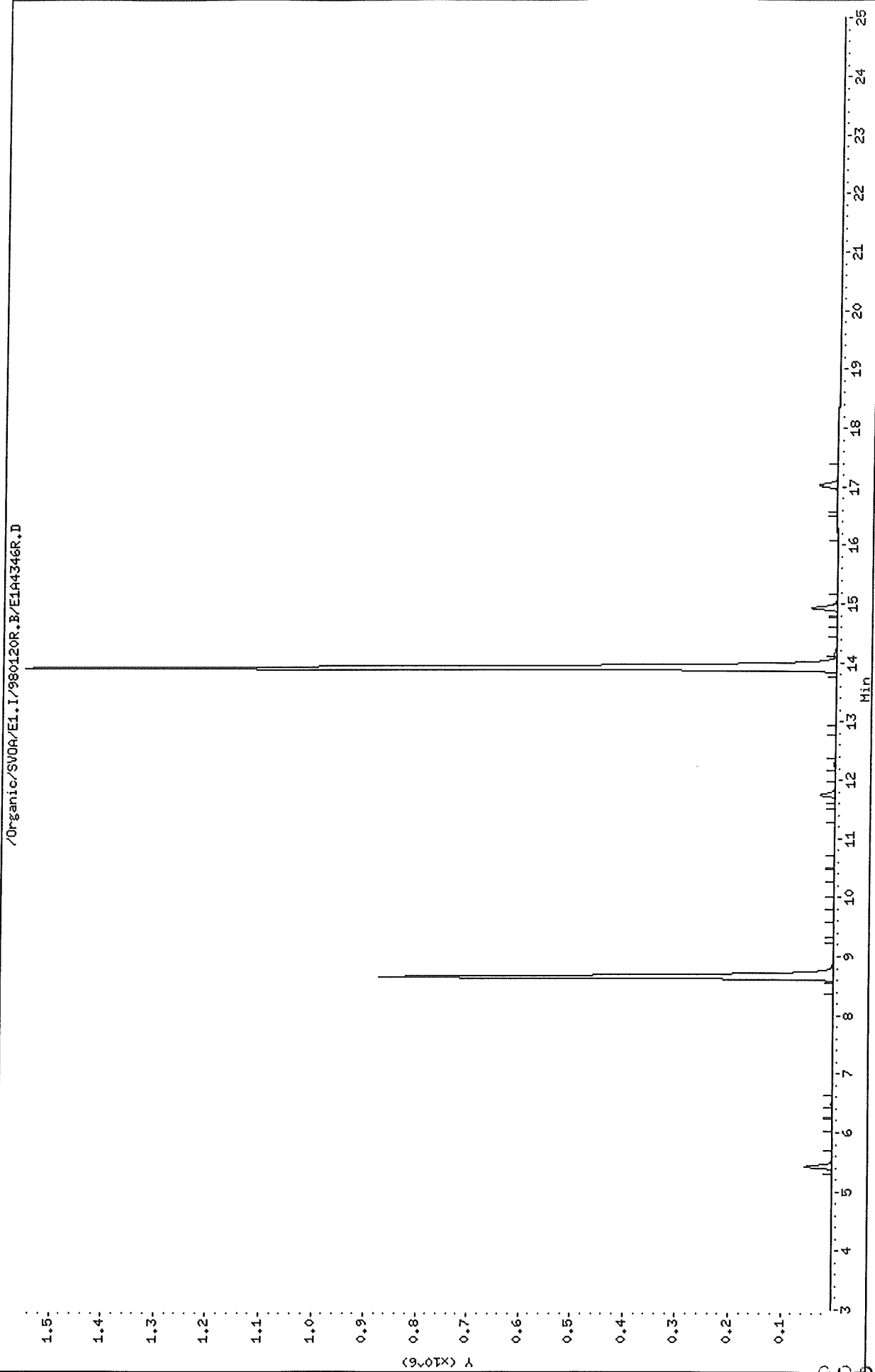
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Thru-Put Systems, Inc.

8080 PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\980120F.B\E1A4346F.D  
 Lab Smp Id: CONGA5 Client Smp ID: CONGA5  
 Inj Date : 20-JAN-1998 18:26  
 Operator : sph Inst ID: E1.i  
 Smp Info : CONGA5, CONGA5, cog.sub  
 Misc Info : ,4  
 Comment :  
 Method : \Organic\SVOA\E1.I\980120F.B\E1\_PCB\_F.M  
 Meth Date : 21-Jan-1998 14:21 mt1 Quant Type: ESTD  
 Cal Date : 20-JAN-1998 18:26 Cal File: E1A4346F.D  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: Falcon Compound Sublist: cogonly.sub  
 Target Version: 3.40  
 Processing Host: TARGET4

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

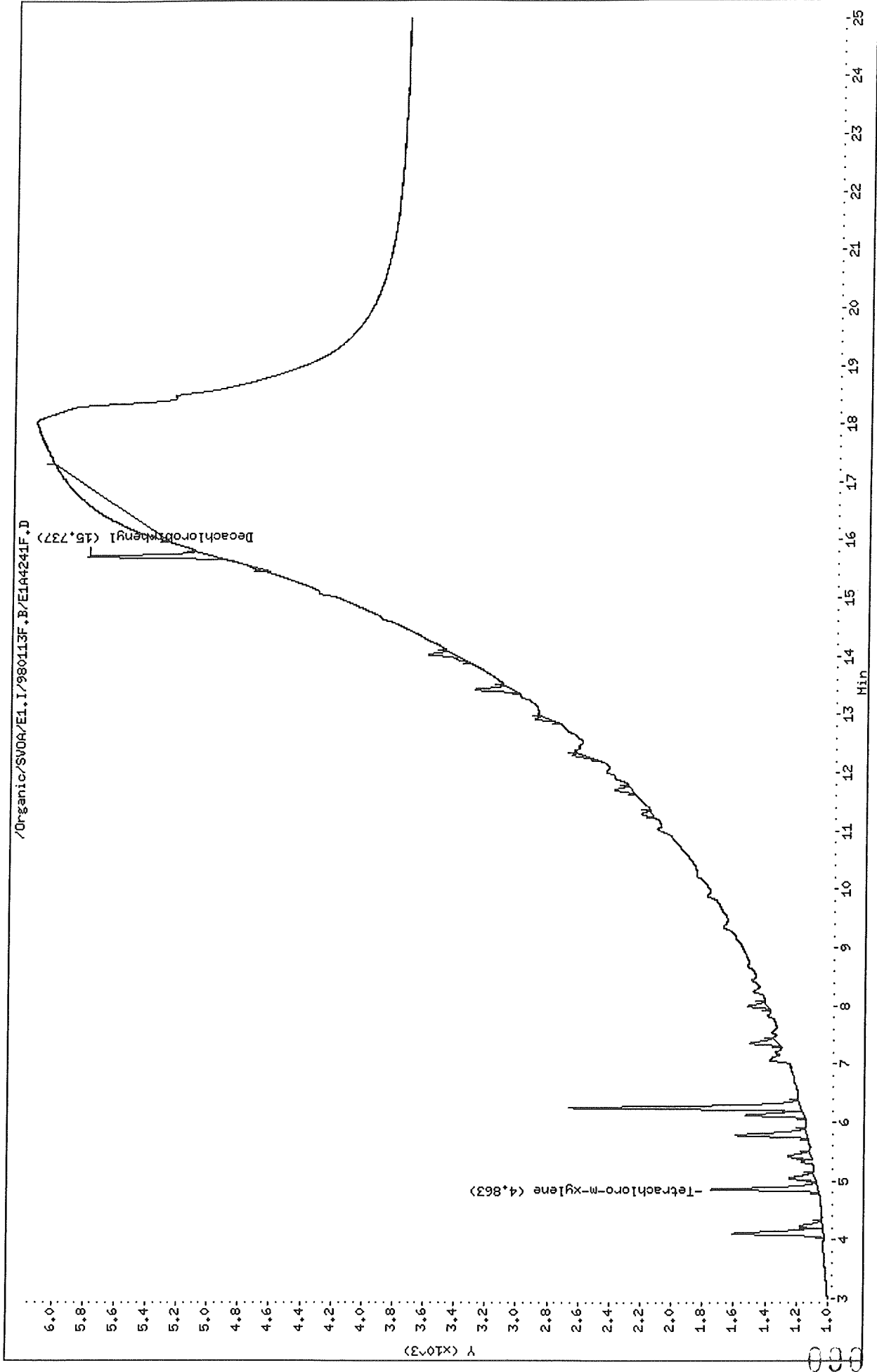
AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE ( ng)	TARGET RANGE	RATIO
3	2,4,4'	-Trichlorobiphenyl					
7.970	7.970	0.000	411340	10.0000	5.7		
4	Hexachlorobiphenyl						
12.903	12.903	0.000	700757	10.0000	5.8		

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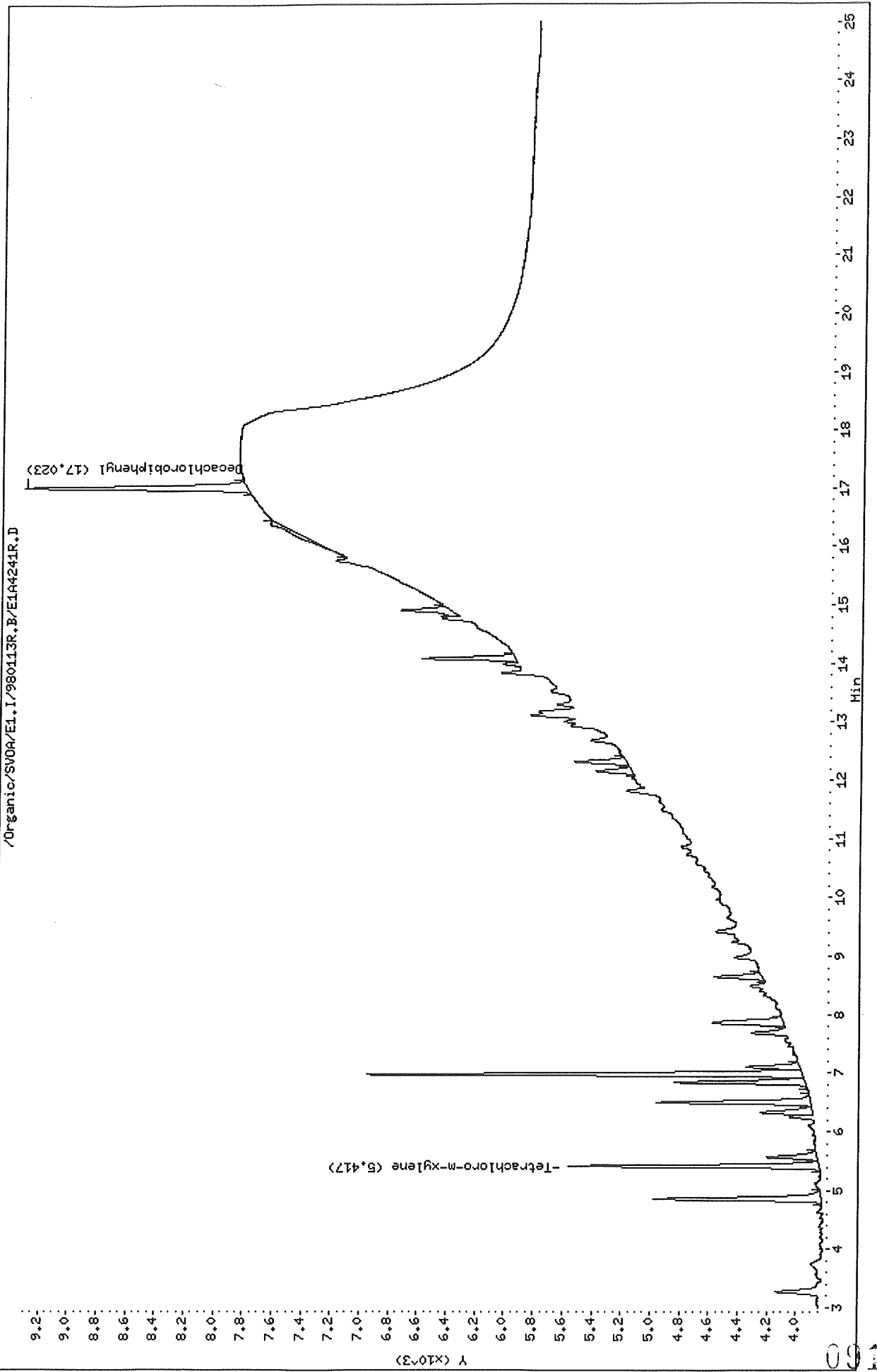
Data File: /Organic/SV0A/E1.1/980113F.B/E1A4241F.D  
Date : 13-JAN-1998 22:19  
Client ID: AR1221A1  
Sample Info: AR1221A1.AR1221A1..ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV004/E1.I/980113R.B/E1A4241R.D  
Date : 13-JAN-1998 22:19  
Client ID: AR1221A1  
Sample Info: AR1221A1,AR1221A1,AR1221A1,,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53





Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4241F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4241R.D  
 Inj Date : 13-JAN-1998 22:19  
 Sample Info: AR1221A1,AR1221A1,,ar1221.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:45  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1221.sub  
 Sub List #2 : ar1221.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.863	5.417	686	1709	0.006	0.007		100.00(a)
Aroclor-1221	4.110	4.853	581	1151	0.453	0.468	80.00- 120.00	100.00(a)
	5.787	6.500	456	1055	0.393	0.413	69.76- 109.76	78.49(a)
	6.253	6.980	1491	2991	0.431	0.456	249.67- 289.67	256.63(a)
	Average of Peak Amounts =				0.425	0.445		
Decachlorobiphenyl	15.737	17.023	820	1531	0.007	0.008		100.00(a)

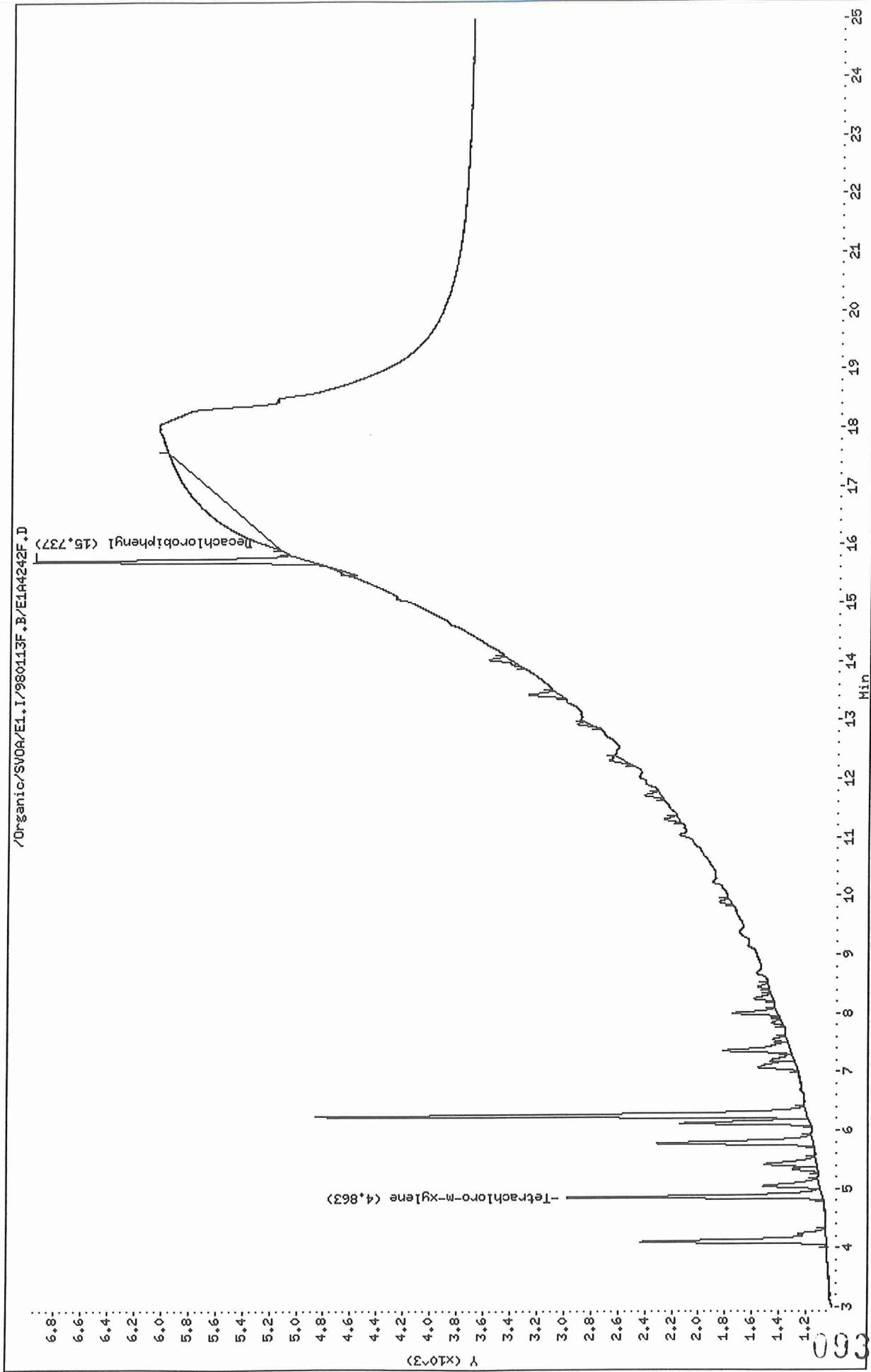
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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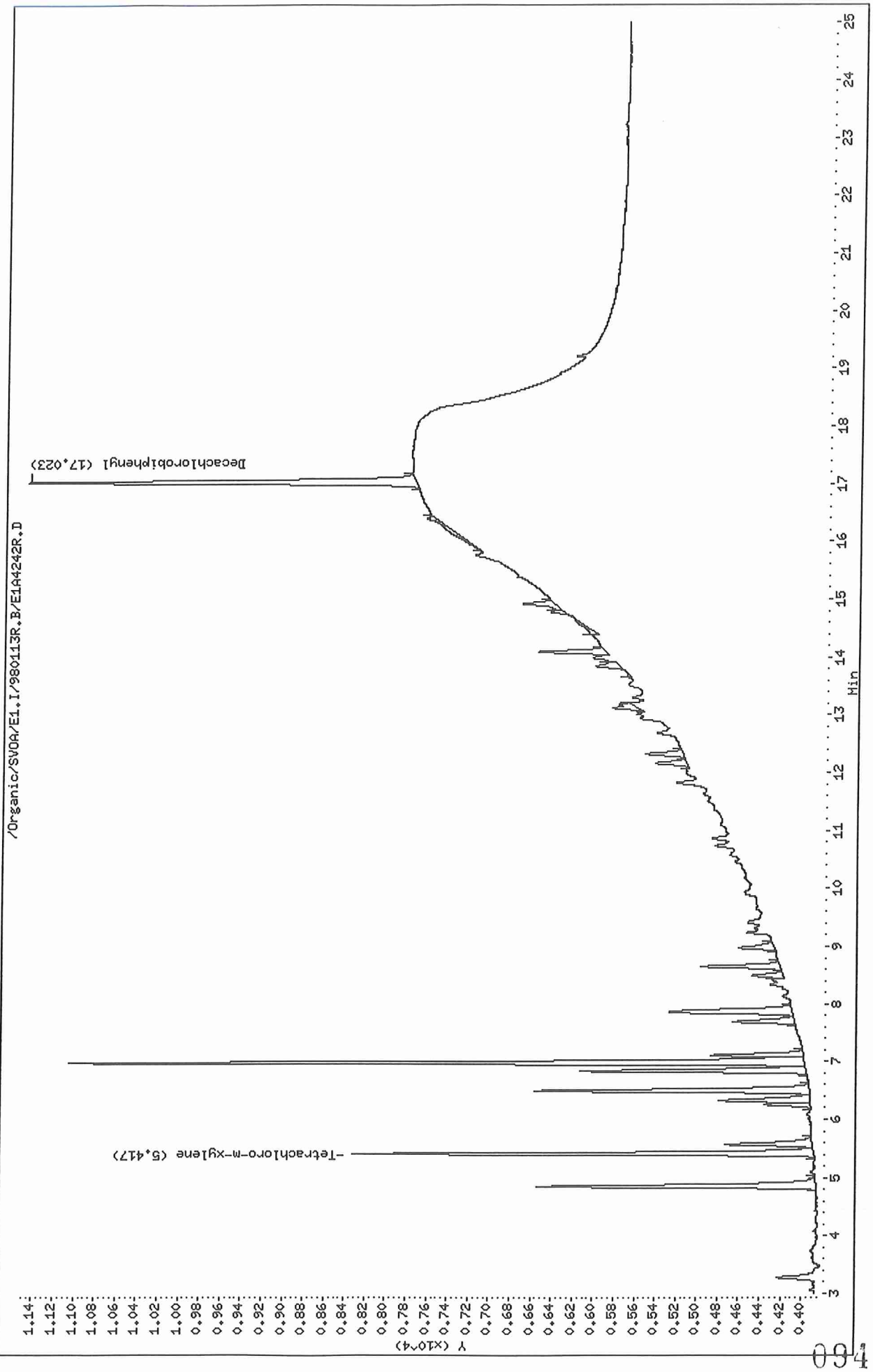
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4242F.D  
Date : 13-JAN-1998 22:47  
Client ID: AR1221A2  
Sample Info: AR1221A2,AR1221A2,,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: EI.1  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV004/E1.I/980113R.B/E1A4242R.D  
Date: 13-JAN-1998 22:47  
Client ID: AR1221A2  
Sample Info: AR1221A2,AR1221A2,,ar1221.sub  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4242F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4242R.D  
 Inj Date : 13-JAN-1998 22:47  
 Sample Info: AR1221A2,AR1221A2,,ar1221.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:45  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1221.sub  
 Sub List #2 : ar1221.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.863	5.417	1896	4438	0.017	0.019		100.00 (a)
Aroclor-1221	4.107	4.853	1386	2669	1.081	1.086	80.00- 120.00	100.00 (aM)
	5.783	6.500	1161	2641	1.001	1.034	69.76- 109.76	83.77 (aM)
	6.250	6.977	3669	7075	1.062	1.079	249.67- 289.67	264.72 (aM)
Average of Peak Amounts =					1.048	1.066		
Decachlorobiphenyl	15.737	17.023	2056	3738	0.018	0.019		100.00 (a)

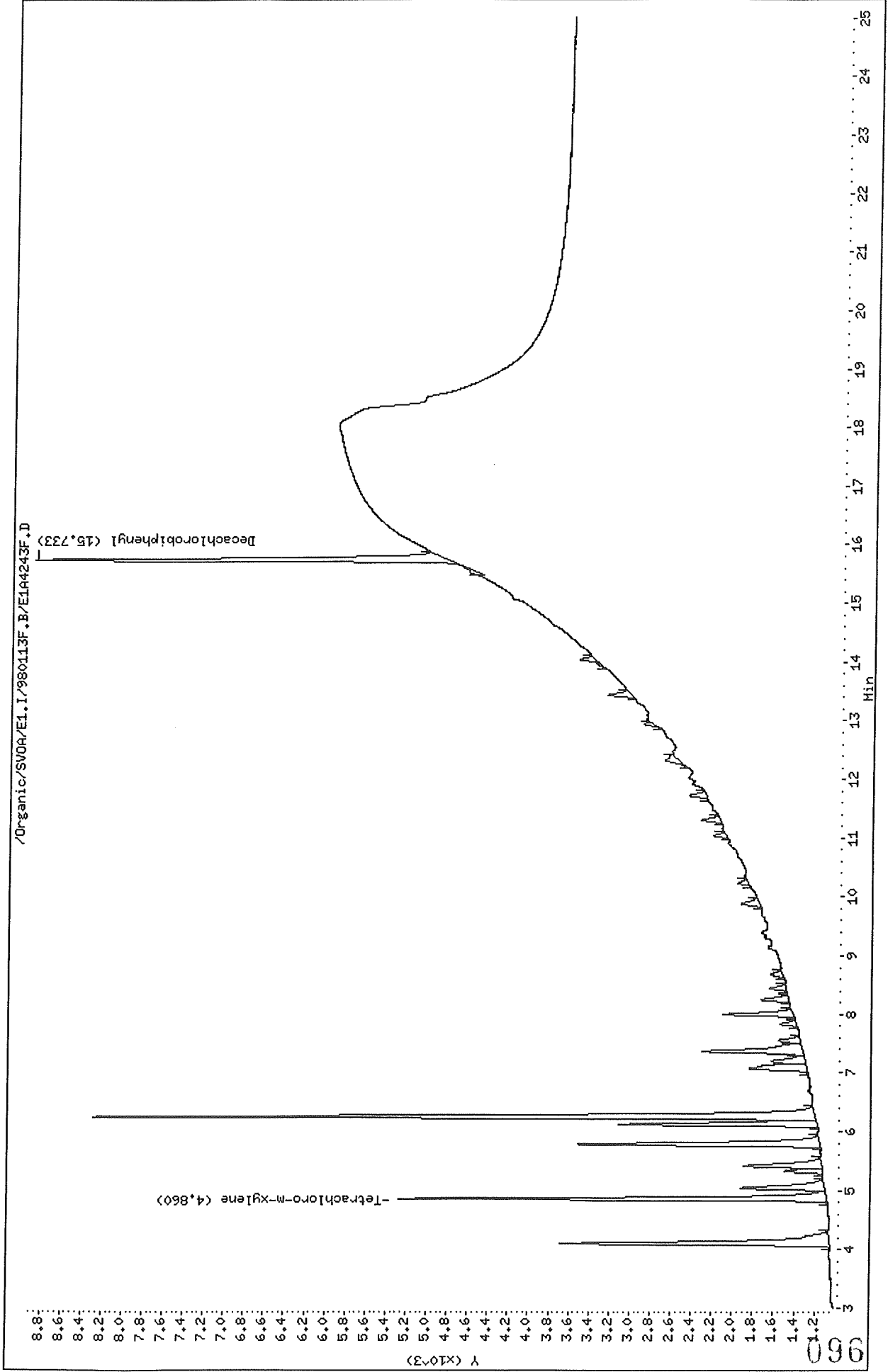
QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation (BLOQ).
- M - Compound response manually integrated.

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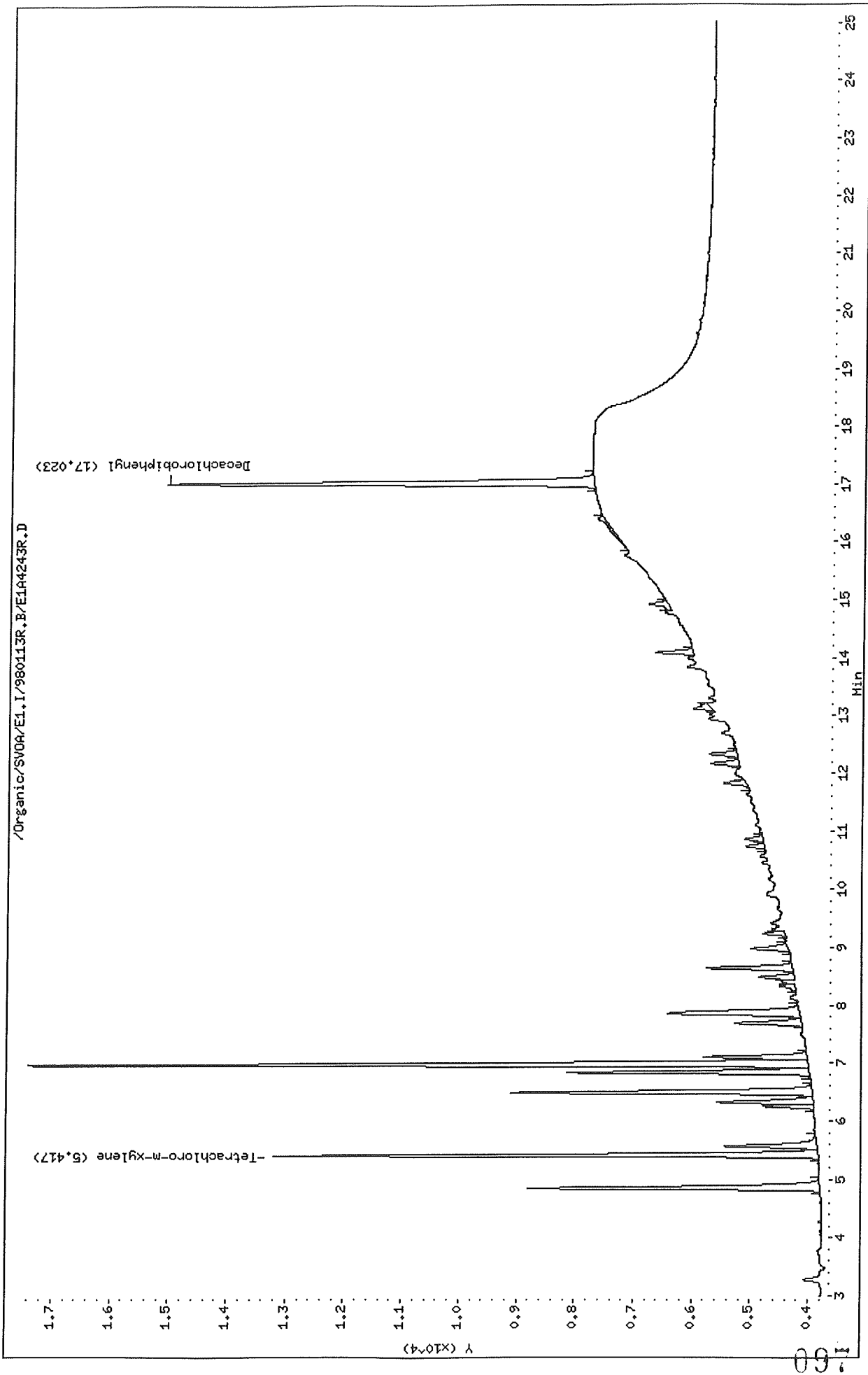
Data File: /Organic/SV0A/E1.1/980113F.B/E1A4243F.D  
Date: 13-JAN-1998 23:15  
Client ID: AR1221A3  
Sample Info: AR1221A3,AR1221A3,,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4243R.D  
Date : 13-JAN-1998 23:15  
Client ID: AR1221A3  
Sample Info: AR1221A3,AR1221A3,,ar1221.sub  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4243F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4243R.D  
 Inj Date : 13-JAN-1998 23:15  
 Sample Info: AR1221A3,AR1221A3,,ar1221.sub  
 Misc Info : ,3  
 Cal Date : 15-JAN-1998 10:45  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1221.sub  
 Sub List #2 : ar1221.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	4190	9361	0.038	0.041		100.00(a)
Aroclor-1221	4.103	4.853	2628	5004	2.050	2.037	80.00- 120.00	100.00
	5.780	6.500	2359	5161	2.034	2.021	69.76- 109.76	89.76
	6.247	6.977	7087	13400	2.052	2.044	249.67- 289.67	269.67
	Average of Peak Amounts =				2.045	2.034		
Decachlorobiphenyl	15.733	17.023	4053	7375	0.036	0.039		100.00(a)

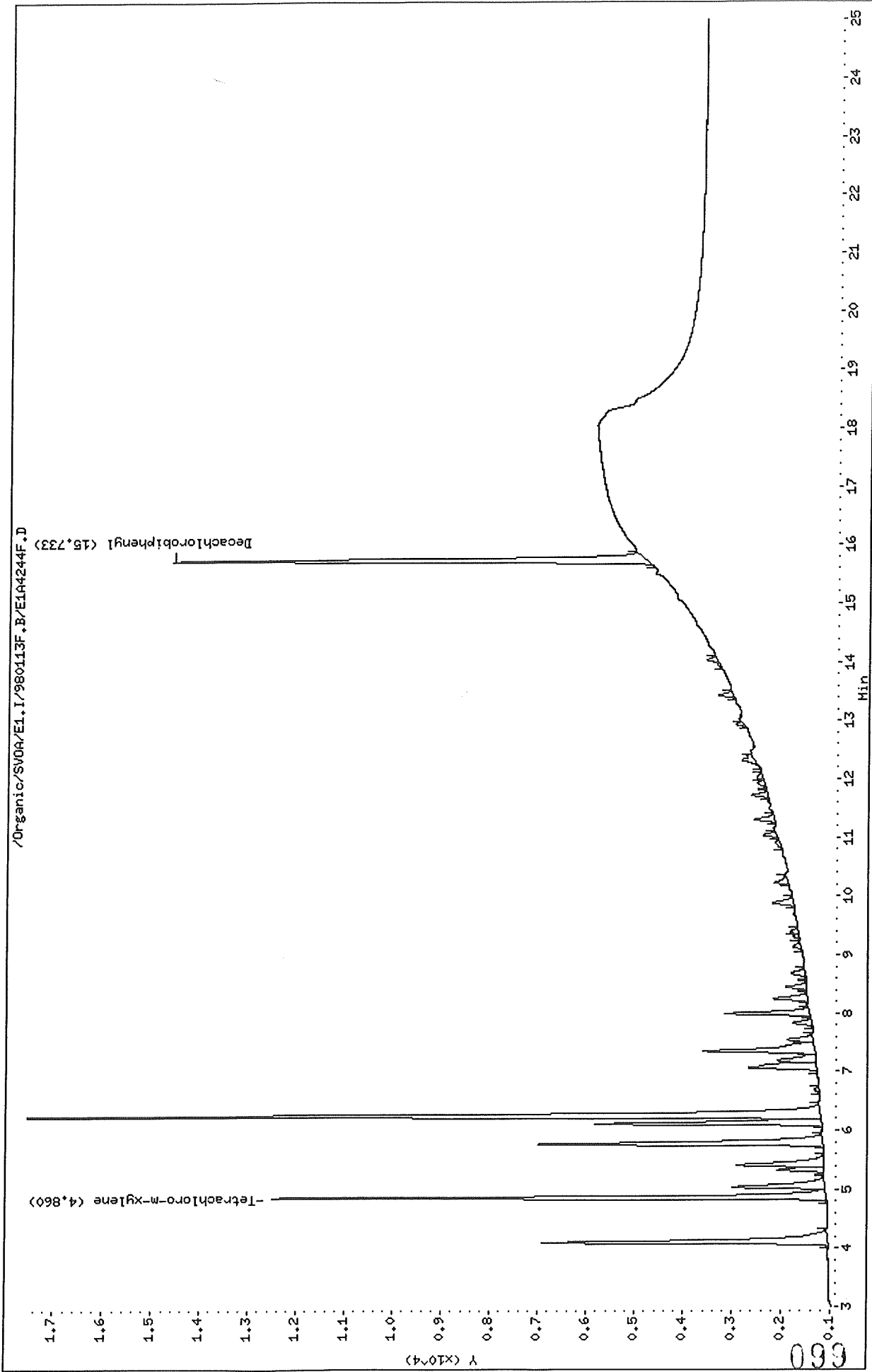
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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Data File: /Organic/SV00/E1.I/980113F.B/E1A4244F.D  
Date : 13-JAN-1998 23:43  
Client ID: AR1221A4  
Sample Info: AR1221A4,AR1221A4,,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



/Organic/SV00/E1.I/980113F.B/E1A4244F.D



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4244R.D

Date: 13-JAN-1998 23:43

Client ID: AR1221A4

Sample Info: AR1221A4,AR1221A4,,ar1221.sub

Volume Injected (uL): 2.0

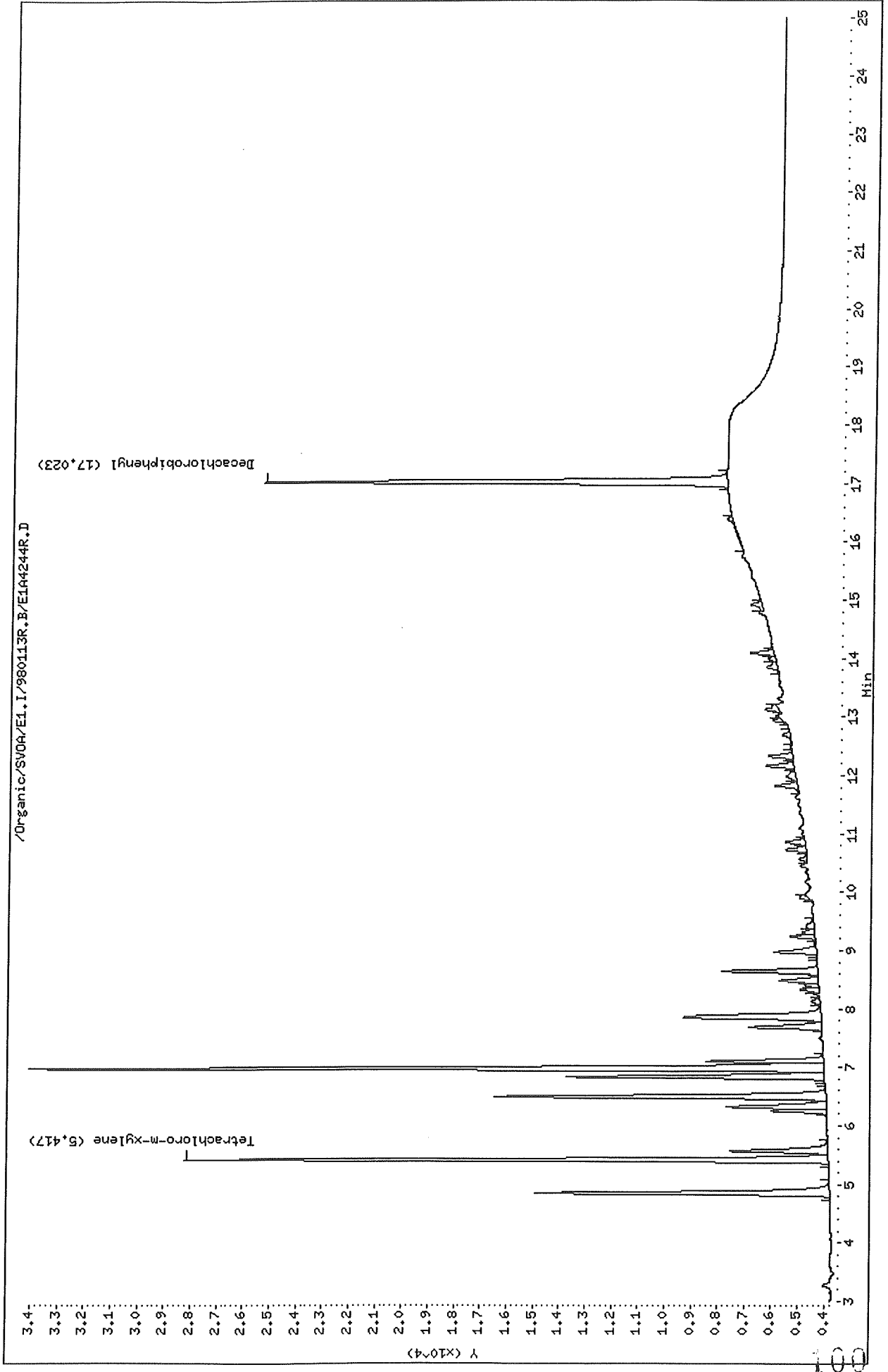
Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4244R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4244F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4244R.D  
 Inj Date : 13-JAN-1998 23:43  
 Sample Info: AR1221A4,AR1221A4,,ar1221.sub  
 Misc Info : ,4  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1221.sub  
 Sub List #2 : ar1221.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

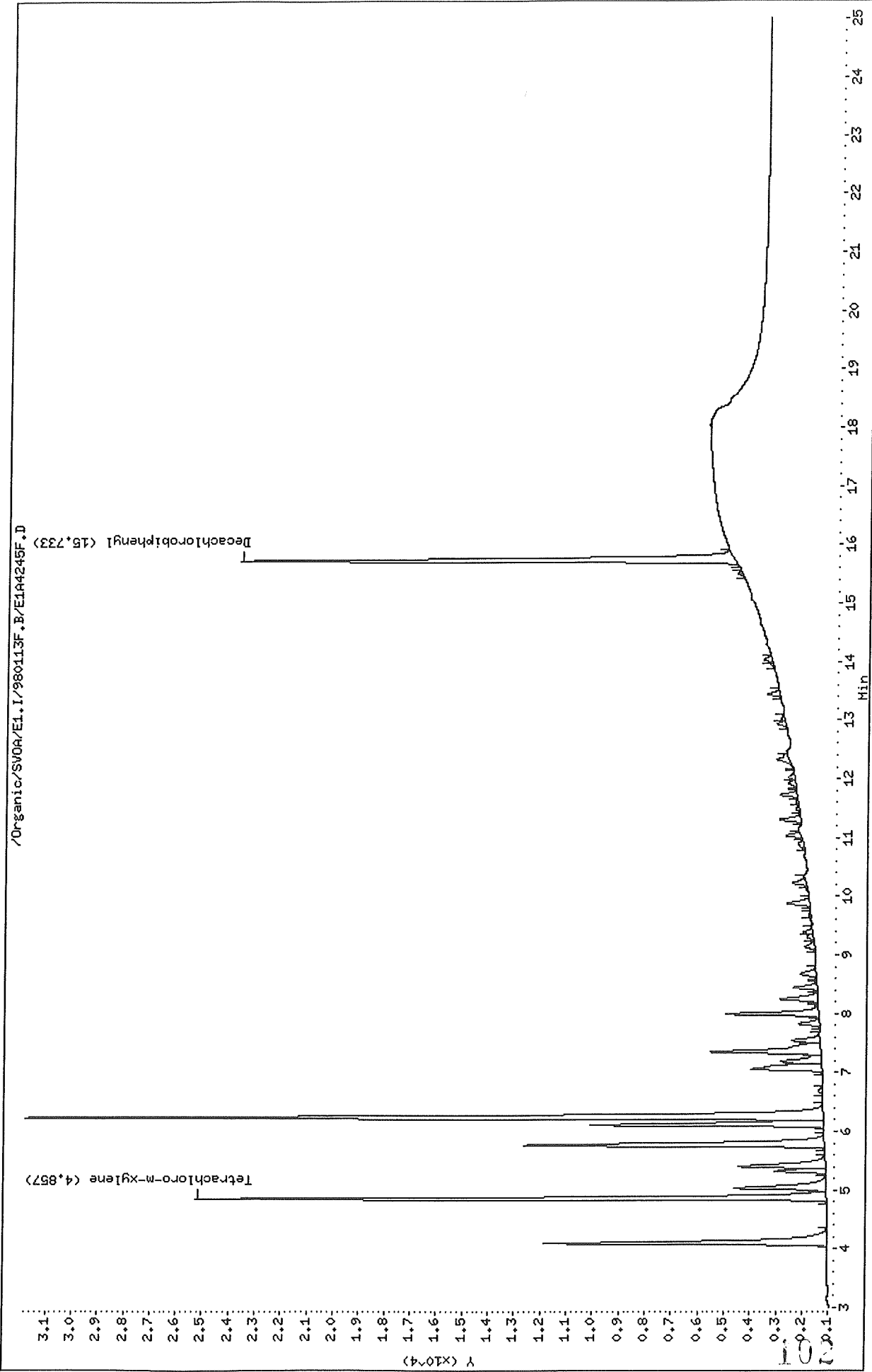
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	11417	24410	0.105	0.107		100.00
Aroclor-1221	4.100	4.850	5867	11097	4.577	4.518	80.00- 120.00	100.00
	5.777	6.497	5857	12510	5.050	4.898	69.76- 109.76	99.83
	6.243	6.977	16330	30049	4.729	4.584	249.67- 289.67	278.34
Average of Peak Amounts =					4.785	4.666		
Decachlorobiphenyl	15.733	17.023	9838	17573	0.088	0.093		100.00

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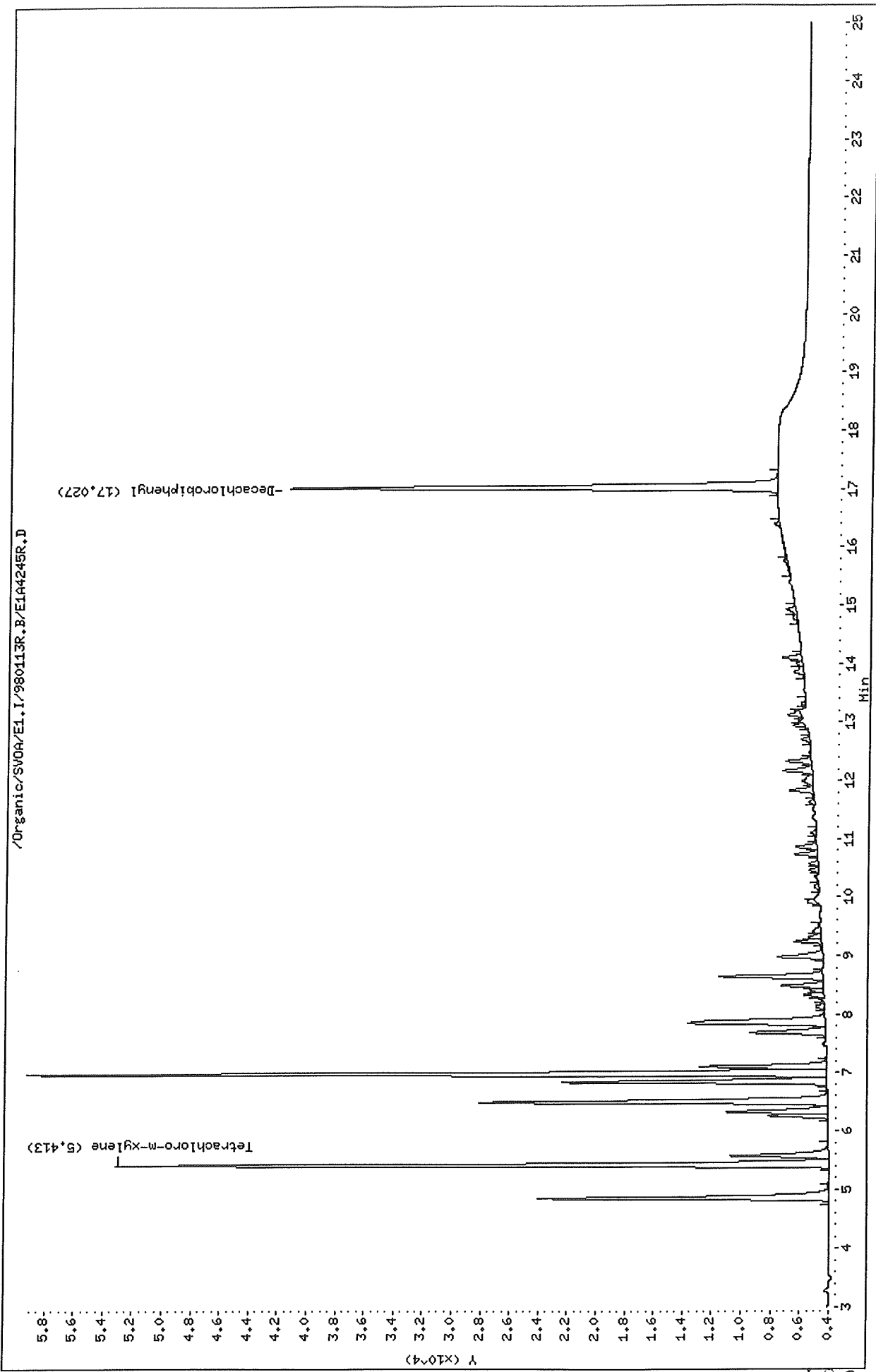
Date File: /Organic/SV0A/E1.1/980113F.B/E1A4245F.D  
Date: 14-JAN-1998 00:11  
Client ID: AR1221A5  
Sample Info: AR1221A5,AR1221A5,,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4245R.D  
Date : 14-JAN-1998 00:11  
Client ID: AR1221A5  
Sample Info: AR1221A5,AR1221A5,ar1221.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4245F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4245R.D  
 Inj Date : 14-JAN-1998 00:11  
 Sample Info: AR1221A5,AR1221A5,,ar1221.sub  
 Misc Info : ,5  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1221.sub  
 Sub List #2 : ar1221.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.413	24166	49199	0.224	0.215		100.00 (A)
Aroclor-1221	4.097	4.850	10833	20109	8.451	8.188	80.00- 120.00	100.00
	5.773	6.497	11471	24072	9.890	9.426	69.76- 109.76	105.89
	6.243	6.977	30569	55118	8.854	8.408	249.67- 289.67	282.18
	Average of Peak Amounts =				9.065	8.674		
Decachlorobiphenyl	15.733	17.027	18988	33675	0.169	0.178		100.00

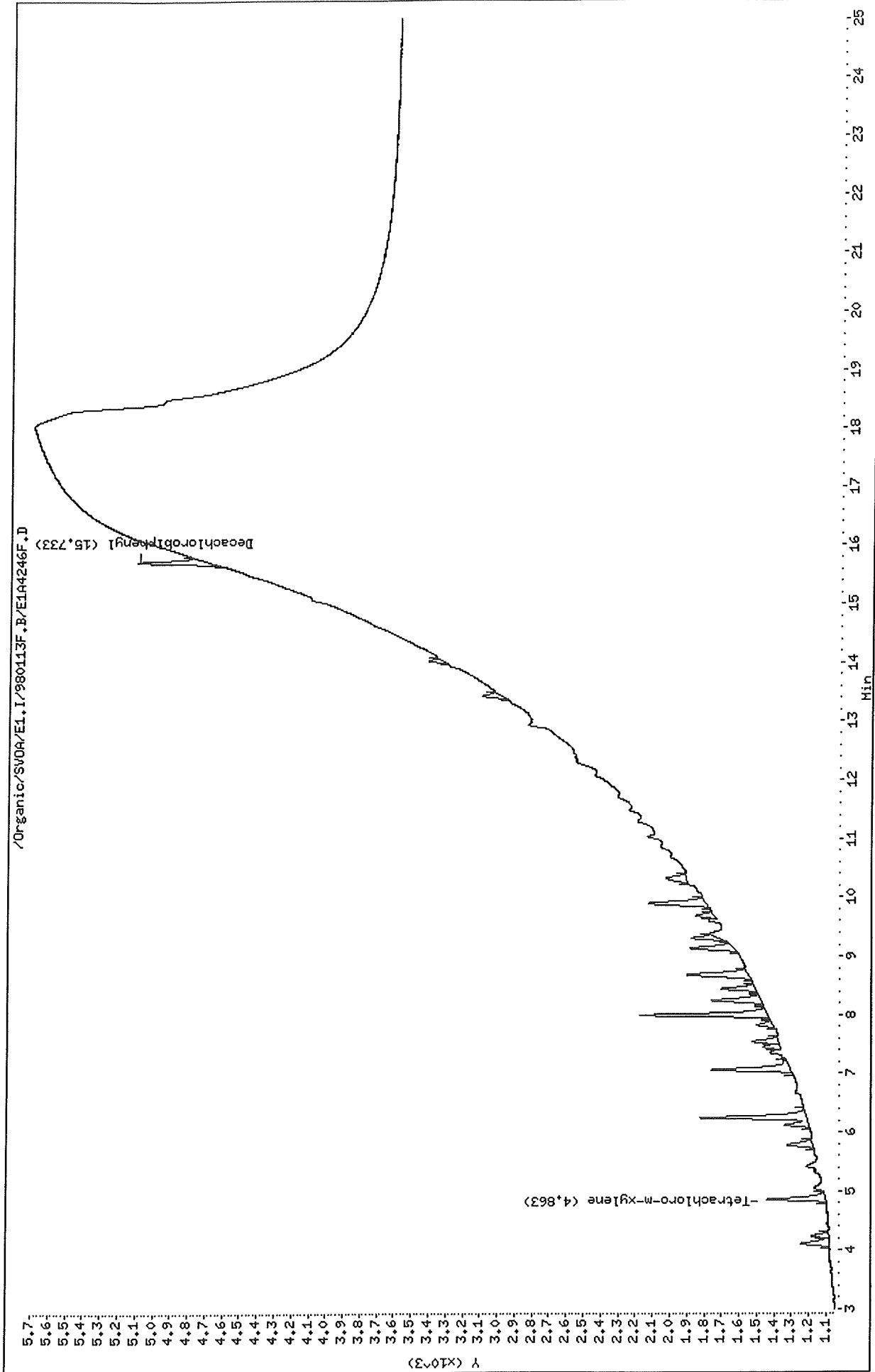
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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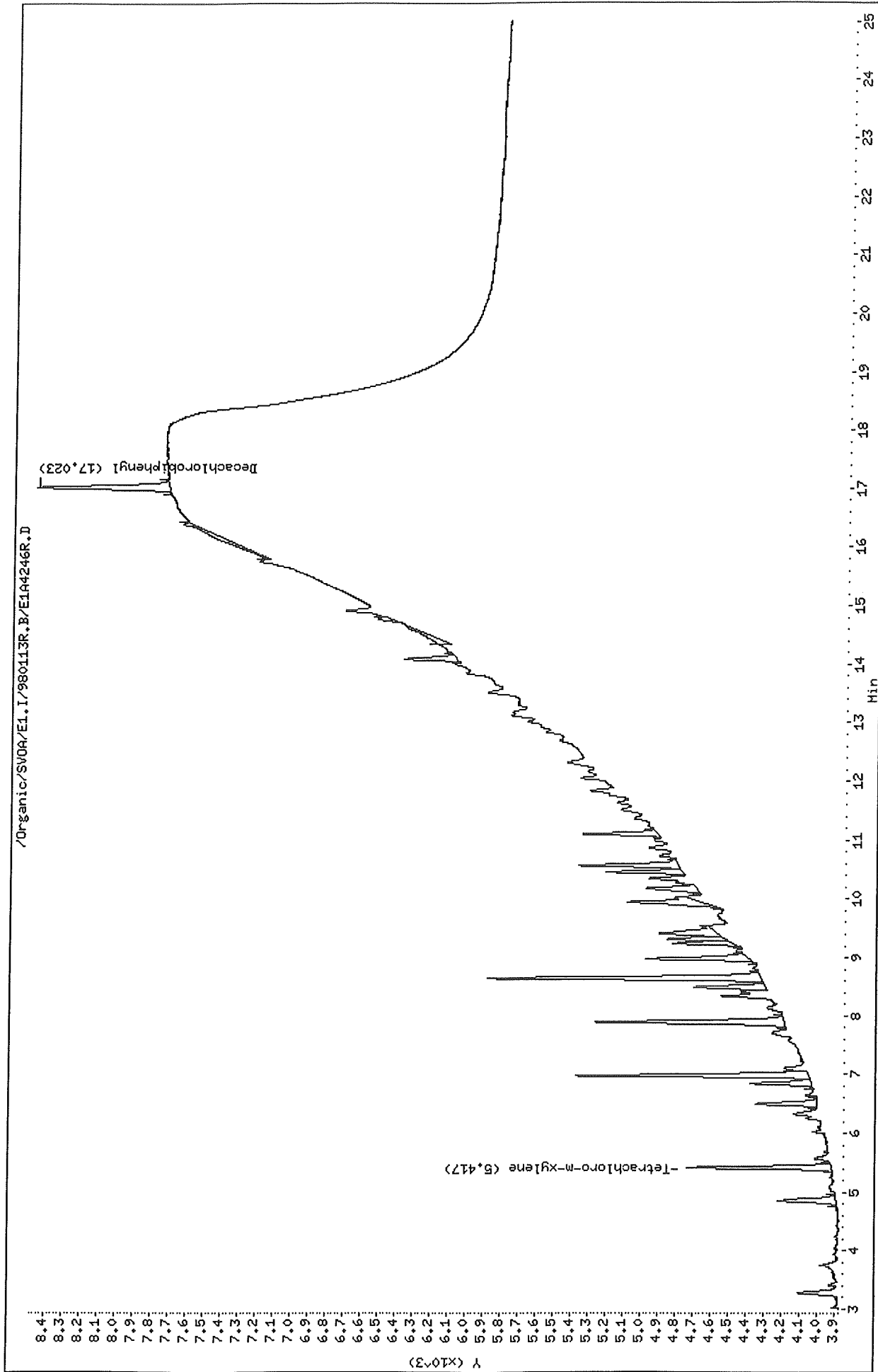
Data File: /Organic/SU0A/E1.I/980113F.B/E1A4246F.D  
 Date : 14-JAN-1998 00:39  
 Client ID: AR1232A1  
 Sample Info: AR1232A1,AR1232A1,,ar1232.sub  
 Volume Injected (ul): 2.0  
 Column phase: DB-1701

Instrument: E1.i  
 Operator: sph  
 Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4246R.D  
Date: 14-JAN-1998 00:39  
Client ID: AR1232A1  
Sample Info: AR1232A1,AR1232A1,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4246F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4246R.D  
 Inj Date : 14-JAN-1998 00:39  
 Sample Info: AR1232A1,AR1232A1,,ar1232.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1232.sub  
 Sub List #2 : ar1232.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.863	5.417	332	818	0.003	0.003		100.00 (aM)
Aroclor-1232	6.250	6.977	616	1314	0.214	0.233	80.00- 120.00	100.00 (aM)
	7.067	7.890	453	1077	0.217	0.229	52.25- 92.25	73.54 (aM)
	7.993	8.647	741	1557	0.197	0.207	111.21- 151.21	120.29 (aM)
Average of Peak Amounts =					0.209	0.223		
Decachlorobiphenyl	15.733	17.023	408	754	0.003	0.004		100.00 (aM)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

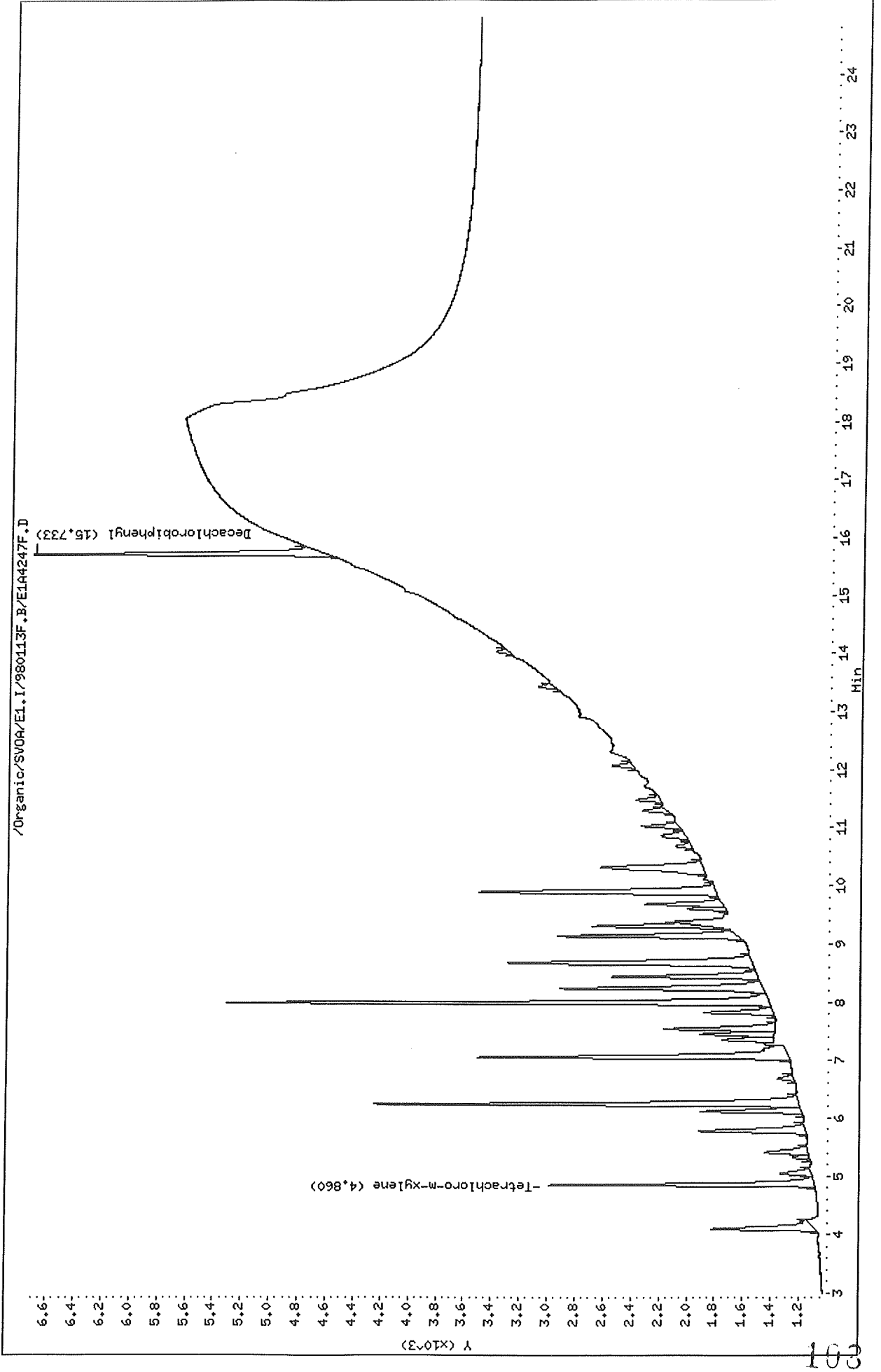
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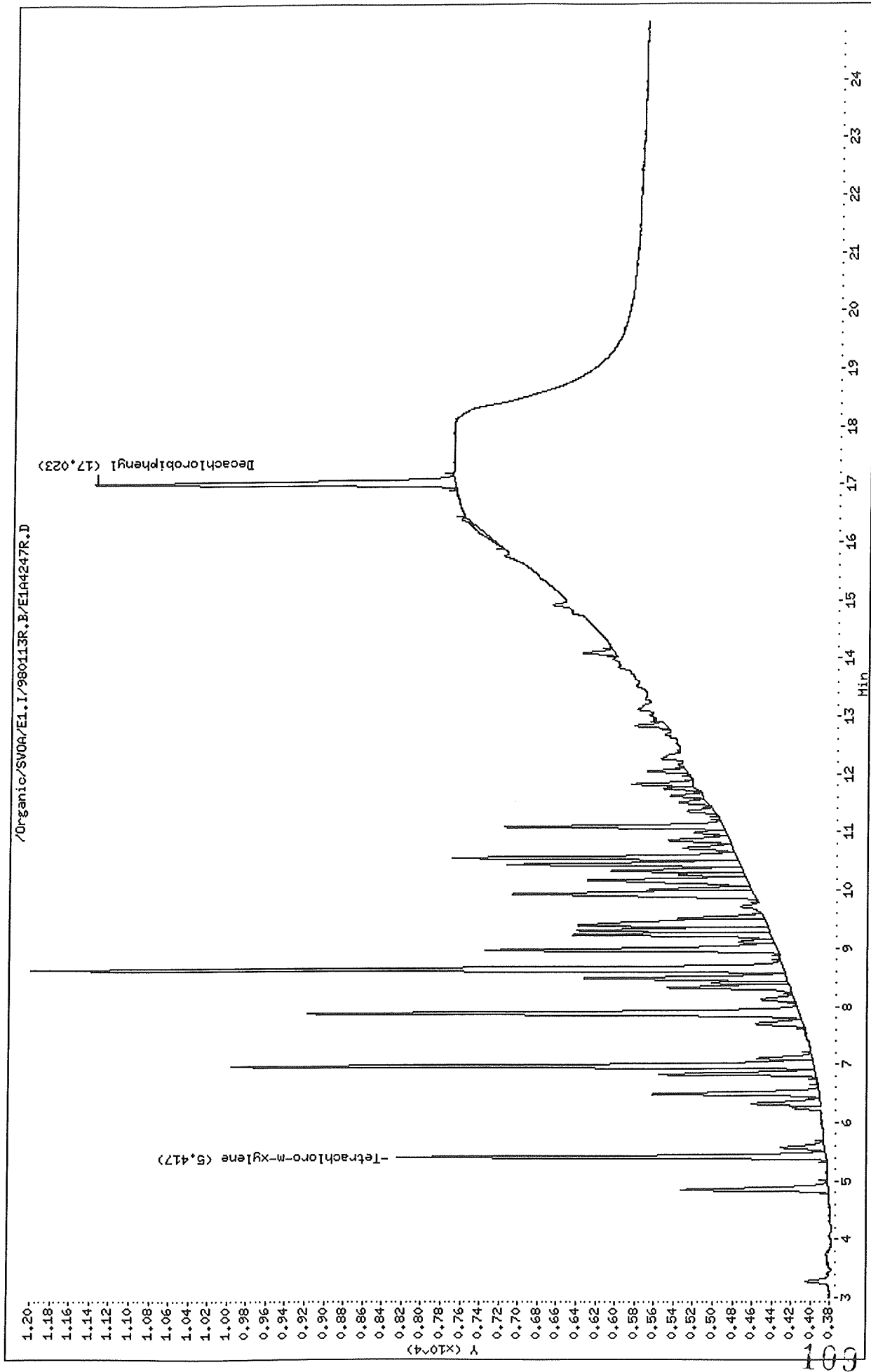
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4247F.D  
Date : 14-JAN-1998 01:07  
Client ID: AR1232A2  
Sample Info: AR1232A2,AR1232A2,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV04/E1.I/980113R.B/E1A4247R.D  
Date : 14-JAN-1998 01:07  
Client ID: AR1232A2  
Sample Info: AR1232A2,AR1232A2,,ar1232.sub  
Volume Injected (ul): 2.0  
Column Phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4247F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4247R.D  
 Inj Date : 14-JAN-1998 01:07  
 Sample Info: AR1232A2,AR1232A2,,ar1232.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1232.sub  
 Sub List #2 : ar1232.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	1902	4409	0.017	0.019		100.00 (a)
Aroclor-1232	6.247	6.977	3054	5994	1.062	1.065	80.00- 120.00	100.00 (M)
	7.063	7.890	2226	5058	1.070	1.079	52.25- 92.25	72.89 (M)
	7.990	8.647	3890	7719	1.036	1.030	111.21- 151.21	127.37 (M)
	Average of Peak Amounts =				1.056	1.058		
Decachlorobiphenyl	15.733	17.023	2082	3698	0.018	0.019		100.00 (aM)

QC Flag Legend

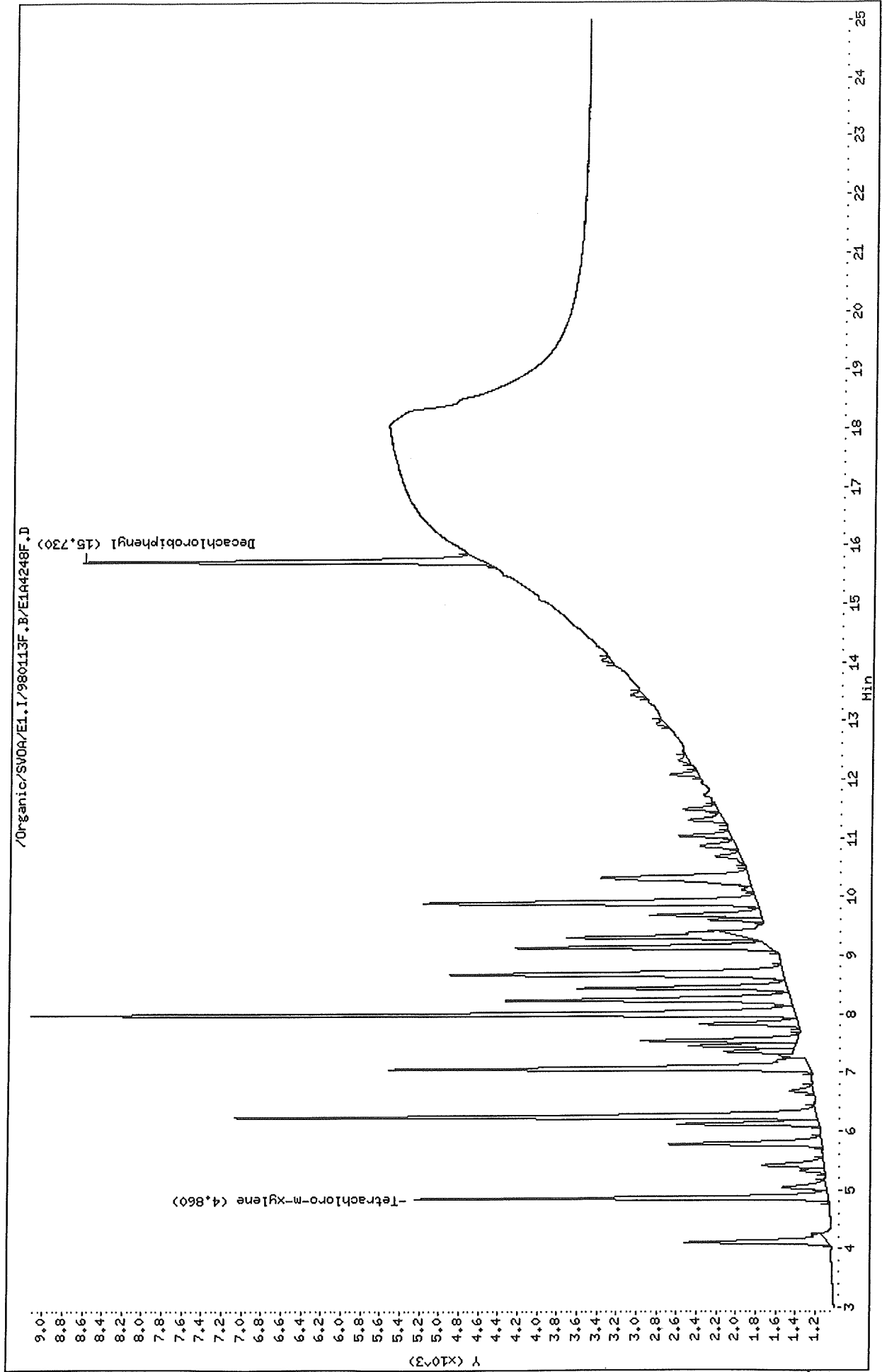
- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

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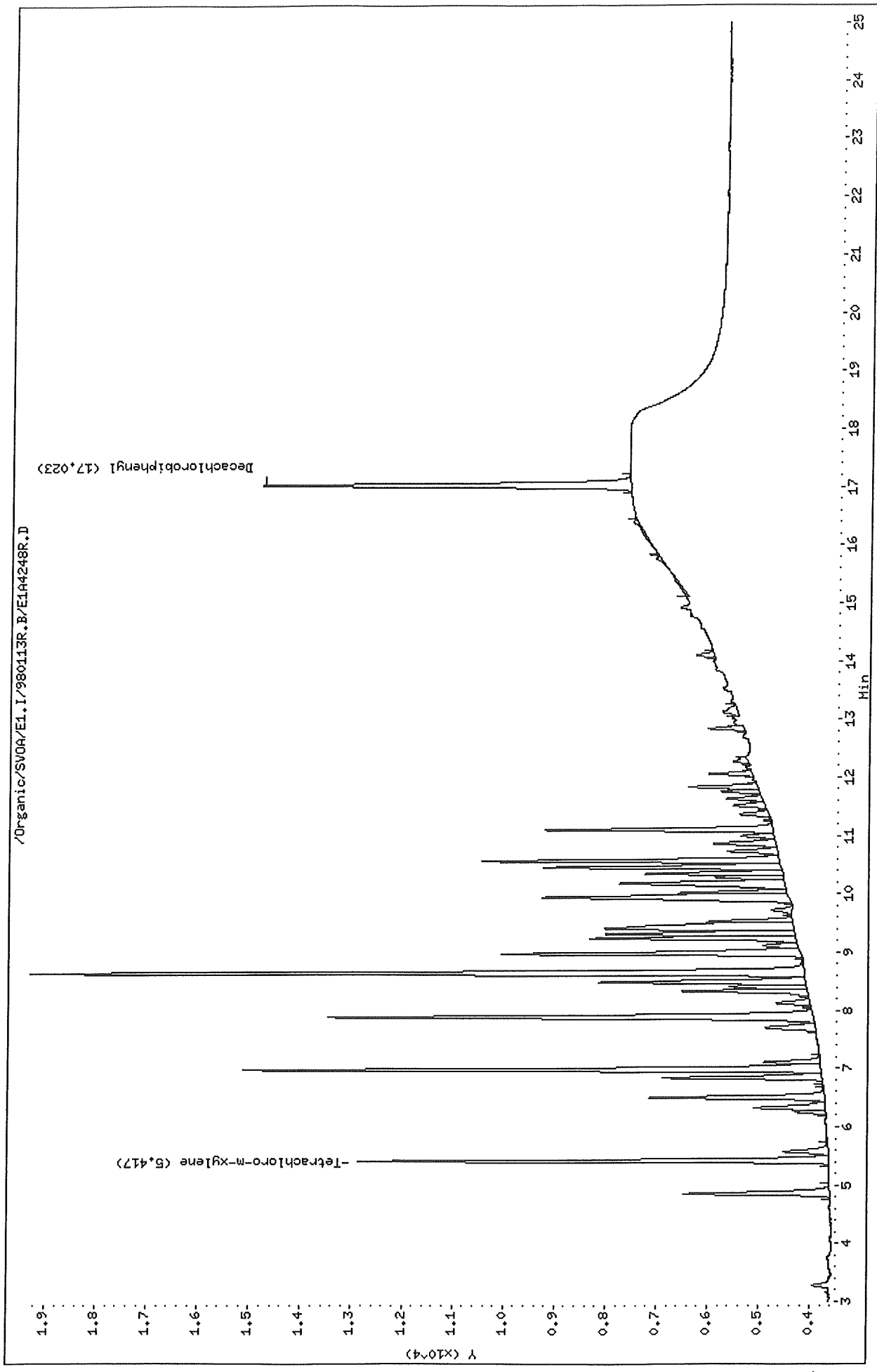
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4248F.D  
Date : 14-JAN-1998 01:35  
Client ID: AR1232A3  
Sample Info: AR1232A3,AR1232A3,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4248R.D  
Date : 14-JAN-1998 01:35  
Client ID: AR1232A3  
Sample Info: AR1232A3,AR1232A3,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4248F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4248R.D  
 Inj Date : 14-JAN-1998 01:35  
 Sample Info: AR1232A3,AR1232A3,,ar1232.sub  
 Misc Info : ,3  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1232.sub  
 Sub List #2 : ar1232.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	4168	9241	0.038	0.040		100.00 (a)
Aroclor-1232	6.247	6.977	5885	11346	2.046	2.016	80.00- 120.00	100.00 (M)
	7.060	7.890	4252	9520	2.044	2.031	52.25- 92.25	72.25 (M)
	7.990	8.647	7722	15175	2.056	2.025	111.21- 151.21	131.21 (M)
	Average of Peak Amounts =					2.048	2.024	
Decachlorobiphenyl	15.730	17.023	4060	7252	0.036	0.038		100.00 (a)

QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

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*1/30/98*

Data File: /Organic/SV0A/E1.I/980113F.B/E1A4249F.D

Date: 14-JAN-1998 02:03

Client ID: AR1232A4

Sample Info: AR1232A4,AR1232A4,,ar1232.sub

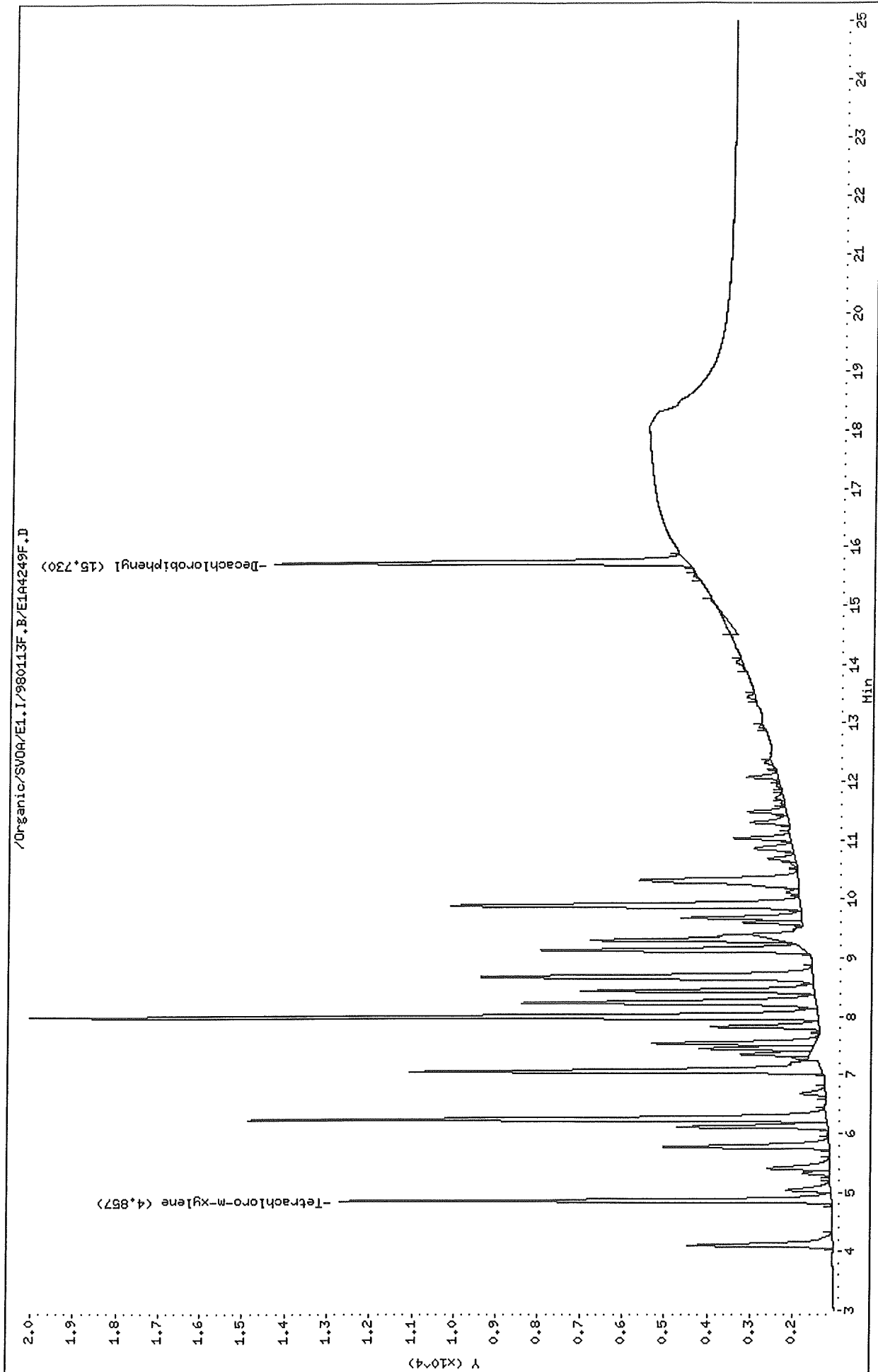
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

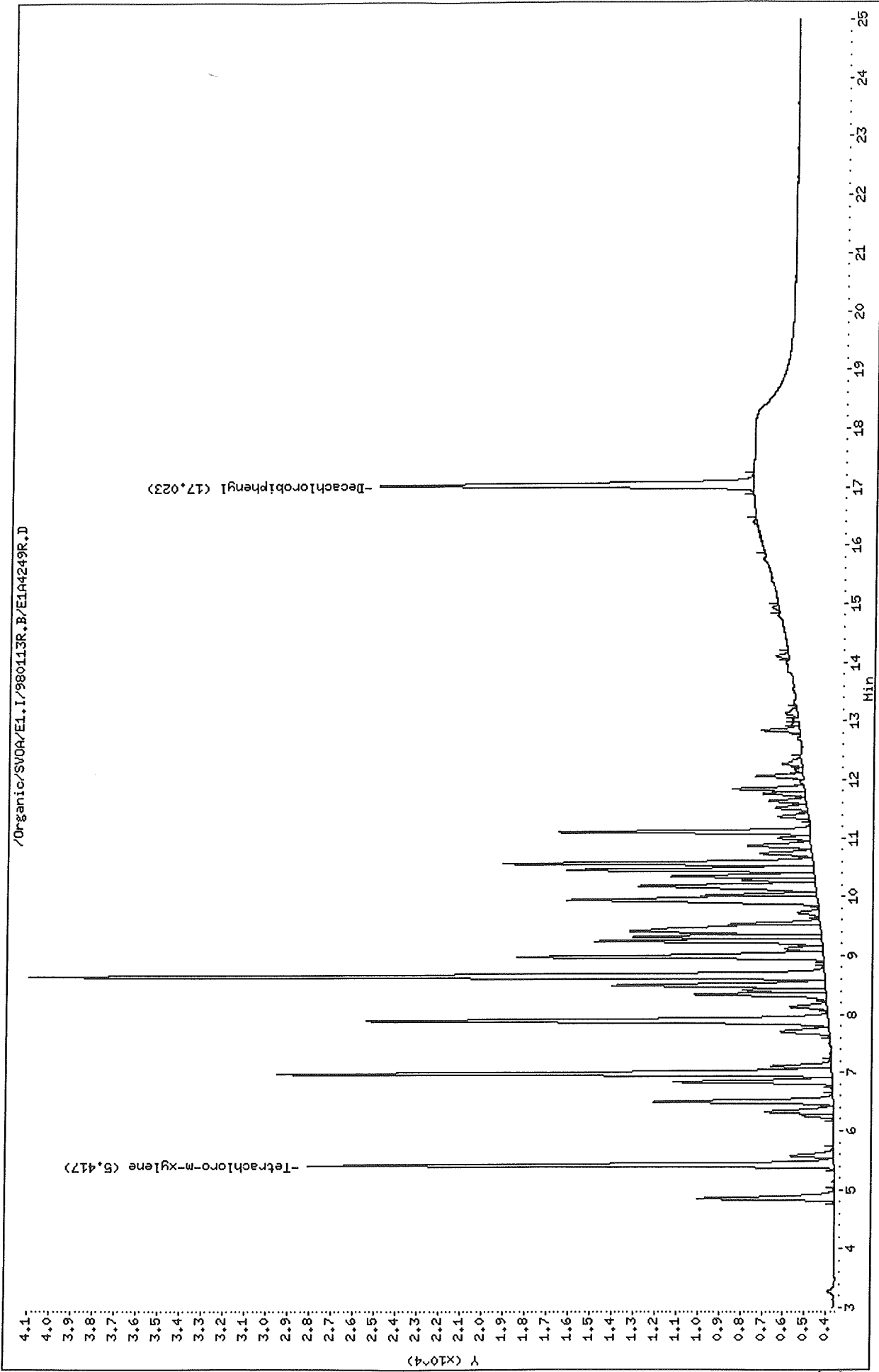
Column diameter: 0.53



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Data File: /Organic/SV04/E1.I/980113R.B/E1A4249R.D  
Date : 14-JAN-1998 02:03  
Client ID: AR1232A4  
Sample Info: AR1232A4,AR1232A4,,ar1232.sub  
Volume Injected (uL): 2.0  
Column Phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



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Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4249F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4249R.D  
 Inj Date : 14-JAN-1998 02:03  
 Sample Info: AR1232A4,AR1232A4,,ar1232.sub  
 Misc Info : ,4  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1232.sub  
 Sub List #2 : ar1232.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	11634	24453	0.107	0.107		100.00
Aroclor-1232	6.243	6.977	13676	25769	4.756	4.580	80.00- 120.00	100.00(M)
	7.057	7.890	9737	21462	4.681	4.580	52.25- 92.25	71.20(M)
	7.987	8.647	18629	36904	4.961	4.926	111.21- 151.21	136.22(M)
Average of Peak Amounts =					4.799	4.695		
Decachlorobiphenyl	15.730	17.023	9811	17377	0.087	0.092		100.00

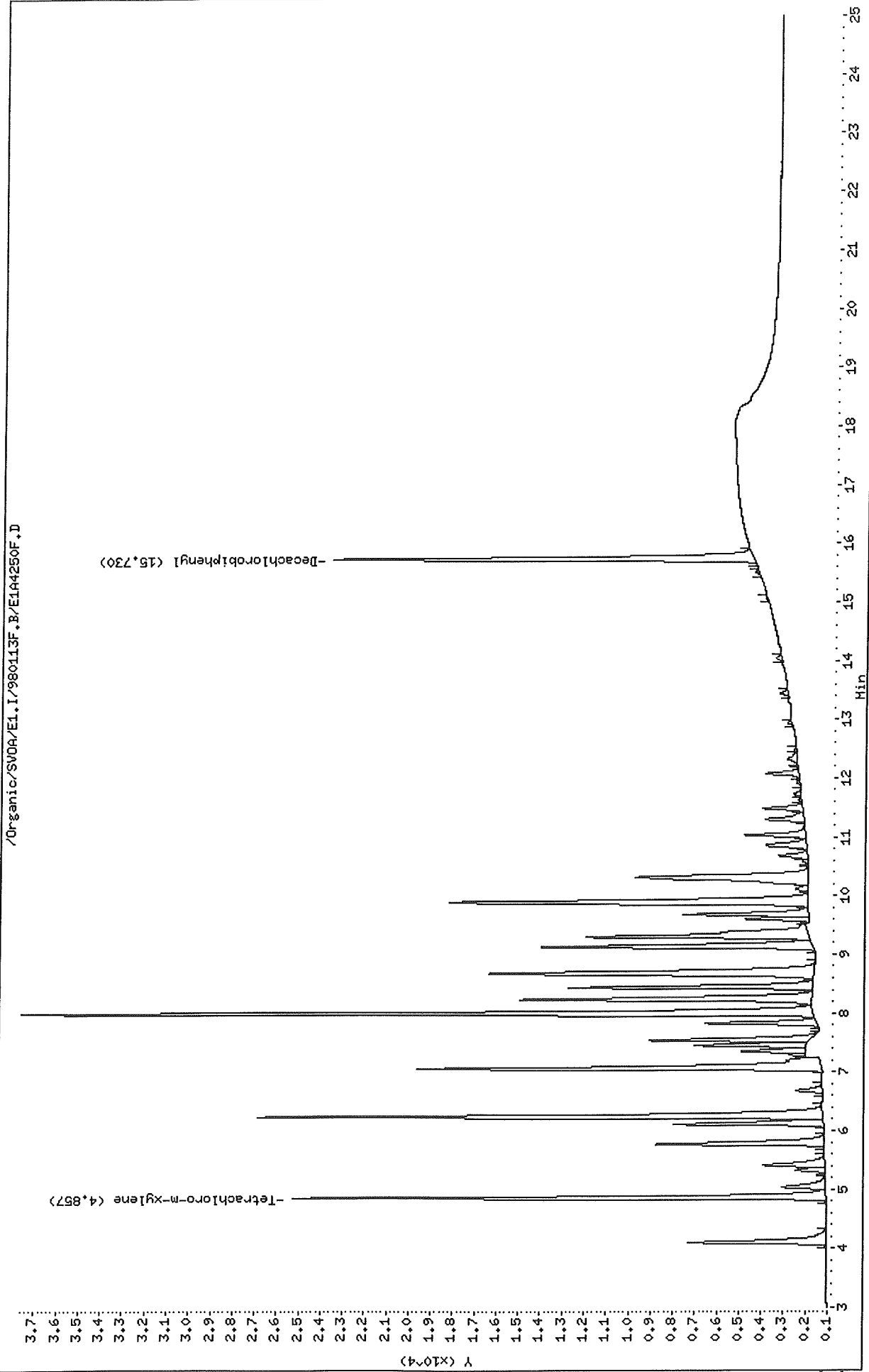
QC Flag Legend

M - Compound response manually integrated.

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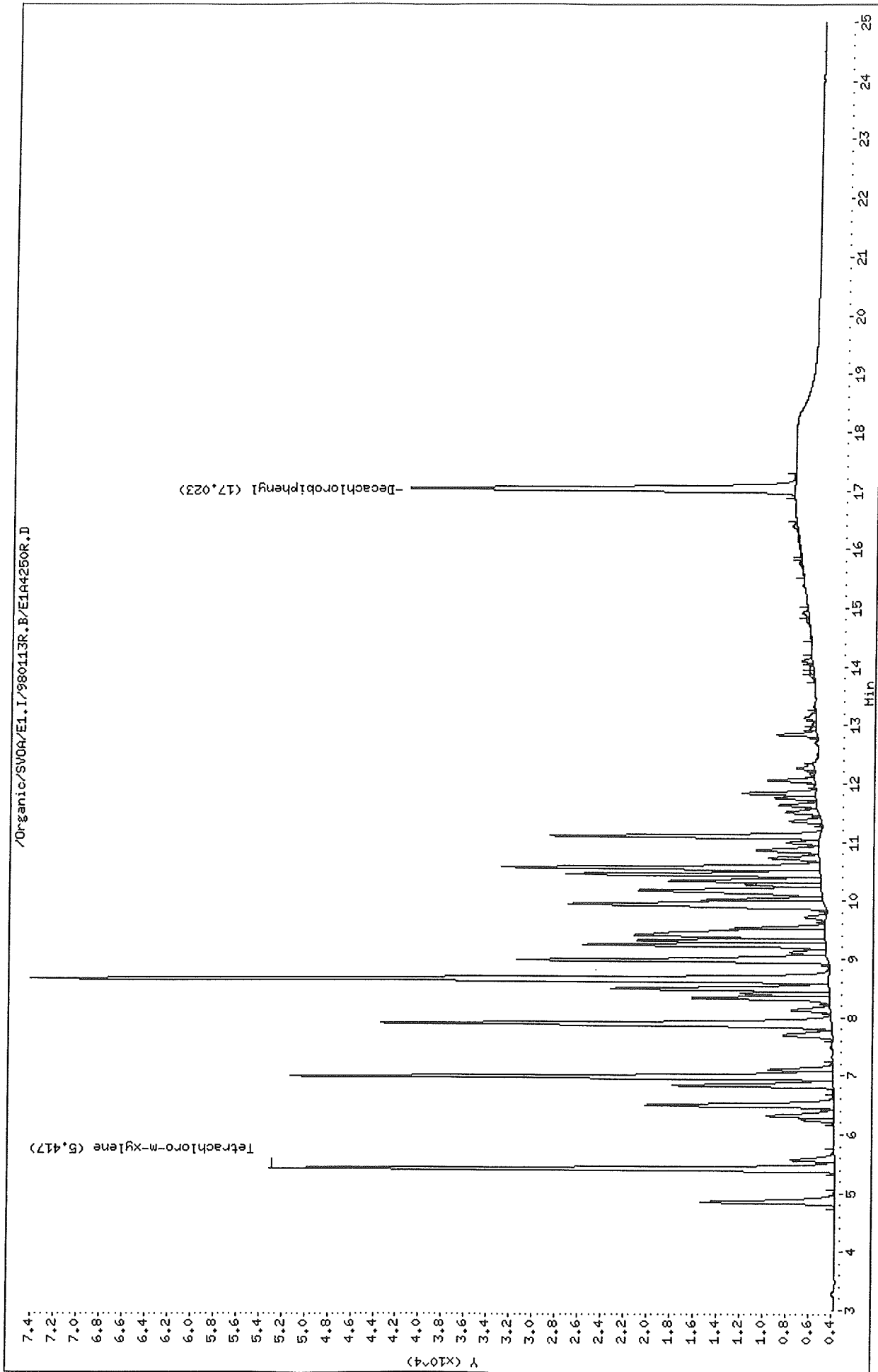
Data File: /Organic/SV04/E1.I/980113F.B/E1A4250F.D  
Date: 14-JAN-1998 02:31  
Client ID: AR1232A5  
Sample Info: AR1232A5,AR1232A5,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980113R.B/E1A4250R.D  
Date: 14-JAN-1998 02:31  
Client ID: AR123245  
Sample Info: AR123245,AR123245,,ar1232.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: EI.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4250F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4250R.D  
 Inj Date : 14-JAN-1998 02:31  
 Sample Info: AR1232A5,AR1232A5,,ar1232.sub  
 Misc Info : ,5  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1232.sub  
 Sub List #2 : ar1232.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	24185	49351	0.224	0.216		100.00 (A)
Aroclor-1232	6.240	6.977	25648	47399	8.920	8.424	80.00- 120.00	100.00 (M)
	7.057	7.887	18349	39318	8.822	8.391	52.25- 92.25	71.54 (M)
	7.987	8.647	35908	69794	9.563	9.317	111.21- 151.21	140.00 (M)
Average of Peak Amounts =					9.101	8.710		
Decachlorobiphenyl	15.730	17.023	19121	33587	0.171	0.178		100.00 (A)

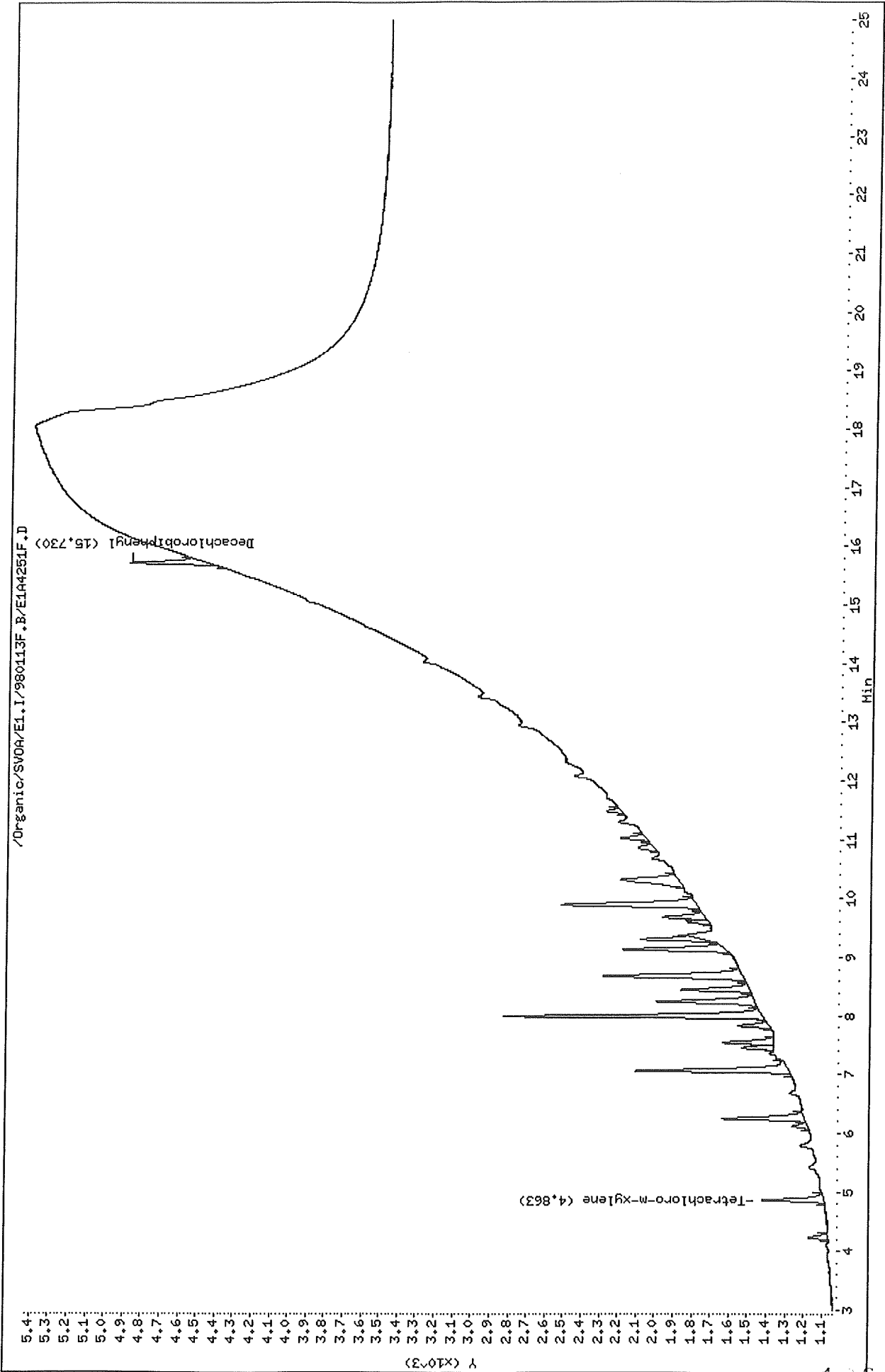
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

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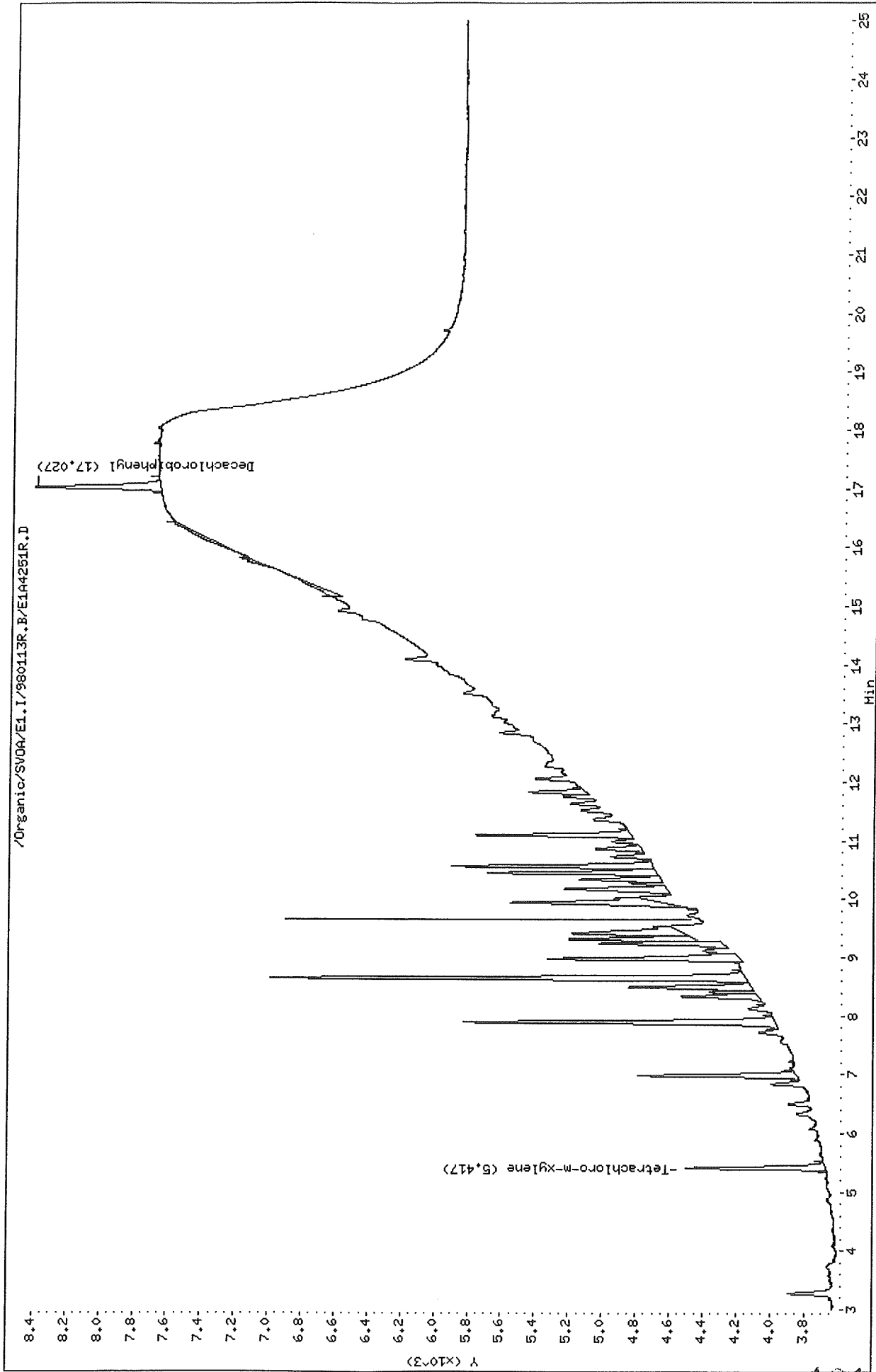
Data File: /Organic/SV00A/E1.I/980113F.B/E1A4251F.D  
Date : 14-JAN-1998 02:59  
Client ID: AR1242A1  
Sample Info: AR1242A1,AR1242A1,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.1/980113R.B/E1A4251R.D  
Date: 14-JAN-1998 02:59  
Client ID: AR1242A1  
Sample Info: AR1242A1,AR1242A1,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4251F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4251R.D  
 Inj Date : 14-JAN-1998 02:59  
 Sample Info: AR1242A1,AR1242A1,,ar1242.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:46  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.863	5.417	331	827	0.003	0.003		100.00 (aM)
Aroclor-1242	6.250	6.980	442	946	0.207	0.222	80.00- 120.00	100.00 (aM)
	7.063	7.893	824	1855	0.226	0.237	154.68- 194.68	186.43 (aM)
	7.990	8.647	1403	2843	0.202	0.212	327.18- 367.18	317.42 (aM)
	8.240	8.977	527	1149	0.203	0.220	106.52- 146.52	119.23 (aM)
	8.443	9.240	373	743	0.183	0.194	78.27- 118.27	84.39 (aM)
	Average of Peak Amounts =				0.204	0.217		
Decachlorobiphenyl	15.730	17.027	413	748	0.003	0.004		100.00 (a)

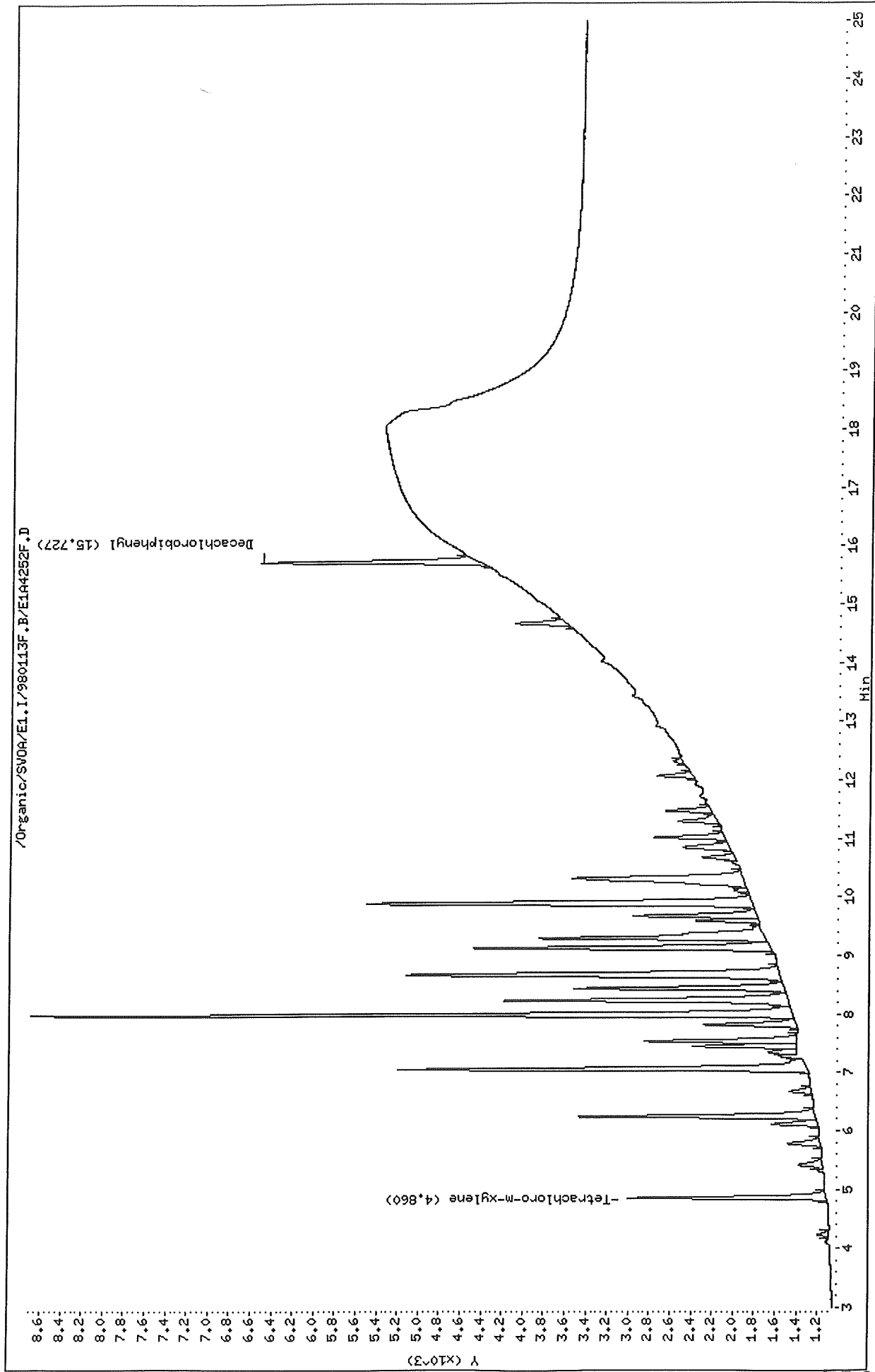
QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

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Data File: /Organic/SV04/E1.I/980113F.B/E1A4252F.D  
Date : 14-JAN-1998 03:27  
Client ID: AR1242A2  
Sample Info: AR1242A2,AR1242A2,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

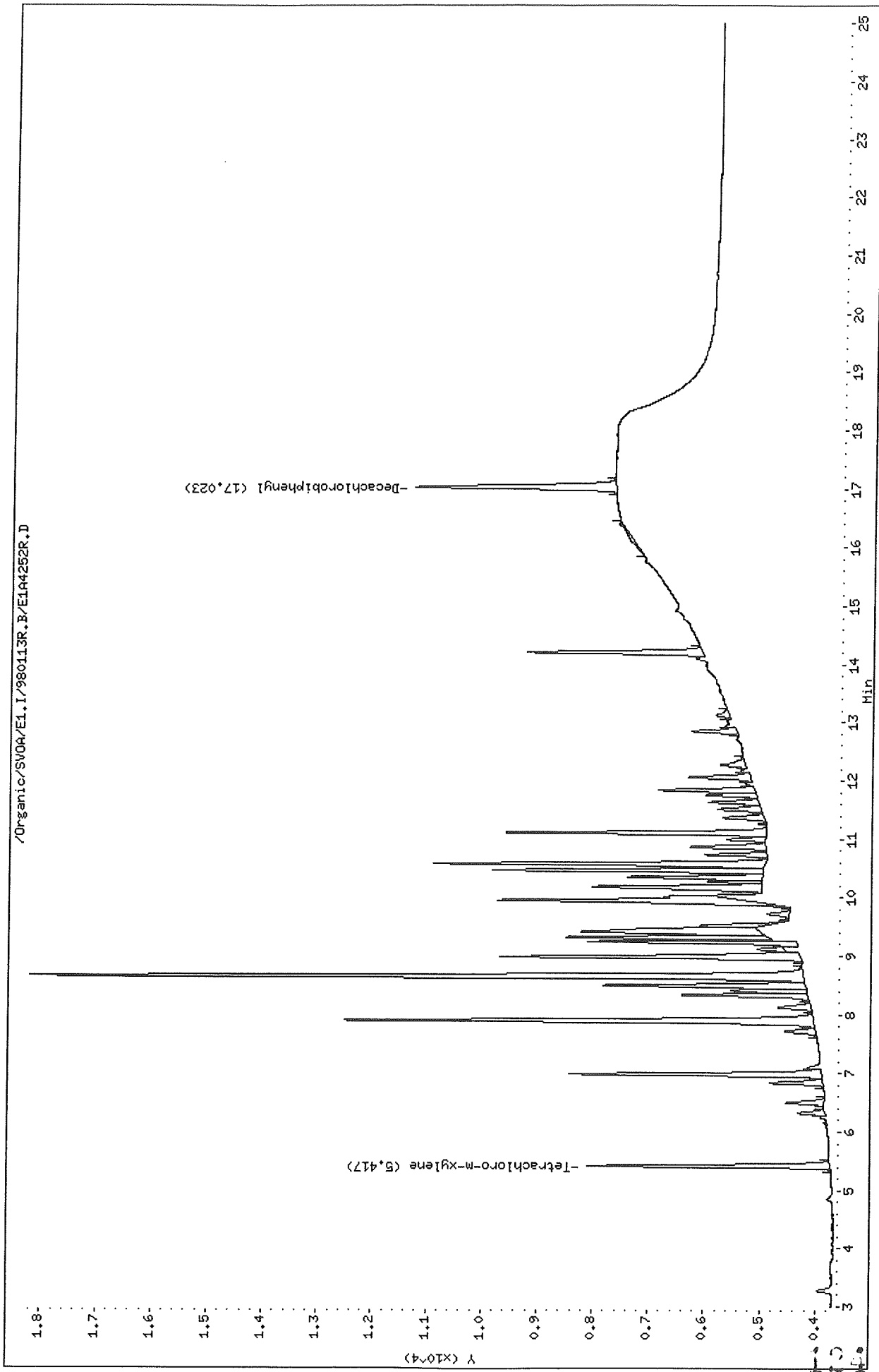
Instrument: E1.i  
Operator: sph  
Column diameter: 0.53





Data File: /Organic/SV0A/E1.I/980113R.B/E1A4252R.D  
Date : 14-JAN-1998 03:27  
Client ID: AR1242A2  
Sample Info: AR1242A2.AR1242A2,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4252F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4252R.D  
 Inj Date : 14-JAN-1998 03:27  
 Sample Info: AR1242A2,AR1242A2,,ar1242.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	1889	4351	0.017	0.019		100.00 (a)
Aroclor-1242	6.247	6.980	2246	4526	1.053	1.062	80.00- 120.00	100.00 (M)
	7.060	7.890	3894	8449	1.069	1.083	154.68- 194.68	173.37 (M)
	7.987	8.647	7260	13984	1.048	1.044	327.18- 367.18	323.24 (M)
	8.237	8.977	2706	5394	1.045	1.034	106.52- 146.52	120.48 (M)
	8.440	9.240	2002	3761	0.983	0.982	78.27- 118.27	89.14 (M)
	Average of Peak Amounts =				1.039	1.041		
Decachlorobiphenyl	15.727	17.023	2085	3618	0.018	0.019		100.00 (a)

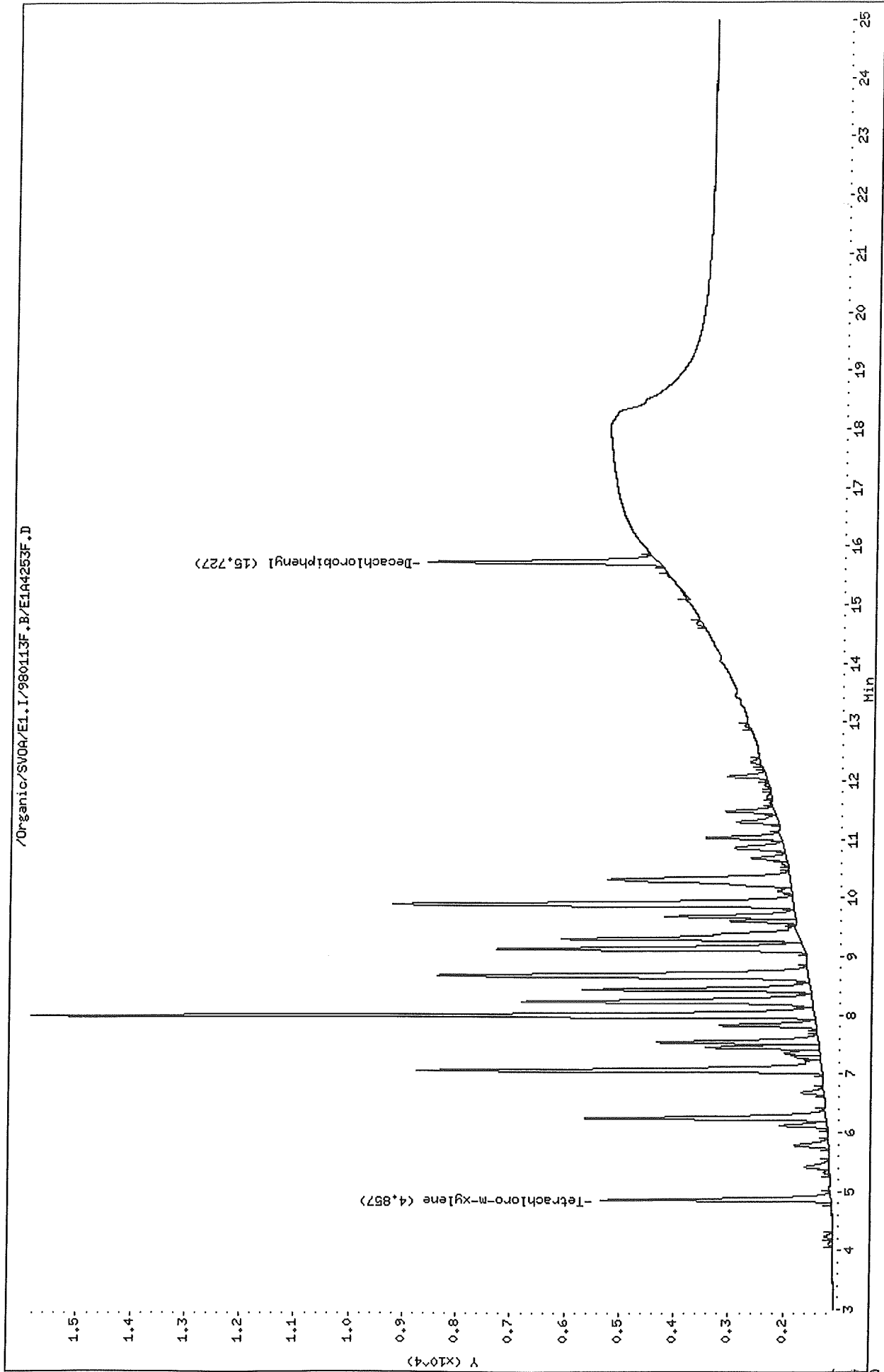
QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

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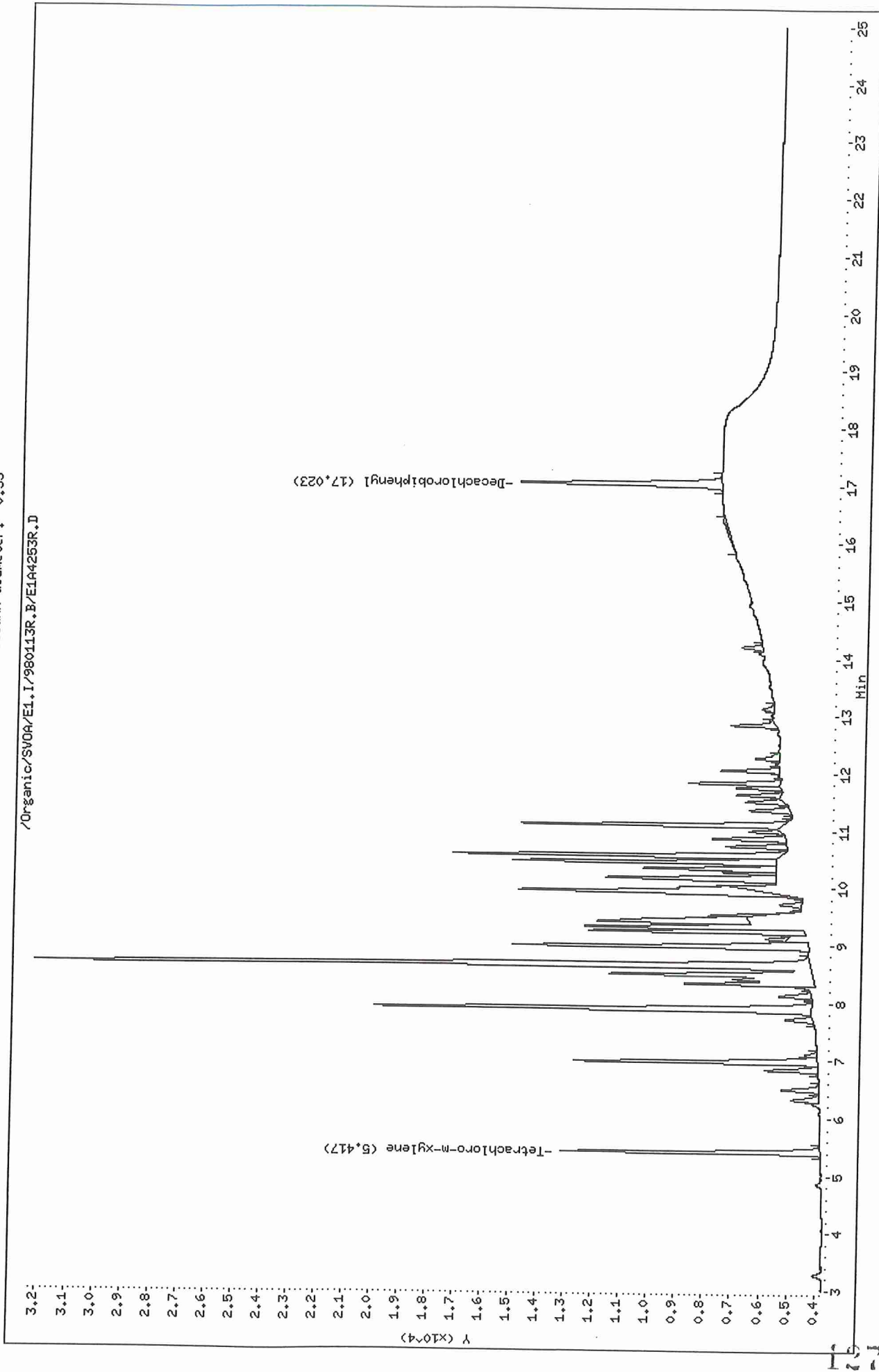
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4253F.D  
Date : 14-JAN-1998 03:55  
Client ID: AR1242A3  
Sample Info: AR1242A3,AR1242A3,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4253R.D  
Date : 14-JAN-1998 03:55  
Client ID: AR1242A3  
Sample Info: AR1242A3,AR1242A3,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4253F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4253R.D  
 Inj Date : 14-JAN-1998 03:55  
 Sample Info: AR1242A3,AR1242A3,,ar1242.sub  
 Misc Info : ,3  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	4218	9305	0.039	0.040		100.00(a)
Aroclor-1242	6.243	6.980	4420	8718	2.072	2.045	80.00- 120.00	100.00
	7.057	7.890	7462	15710	2.050	2.015	154.68- 194.68	168.82
	7.987	8.647	14422	27892	2.082	2.084	327.18- 367.18	326.29
	8.233	8.977	5333	10605	2.059	2.034	106.52- 146.52	120.66
	8.437	9.240	4170	7711	2.048	2.015	78.27- 118.27	94.34
	Average of Peak Amounts =				2.062	2.038		
Decachlorobiphenyl	15.727	17.023	4236	7273	0.037	0.038		100.00(a)

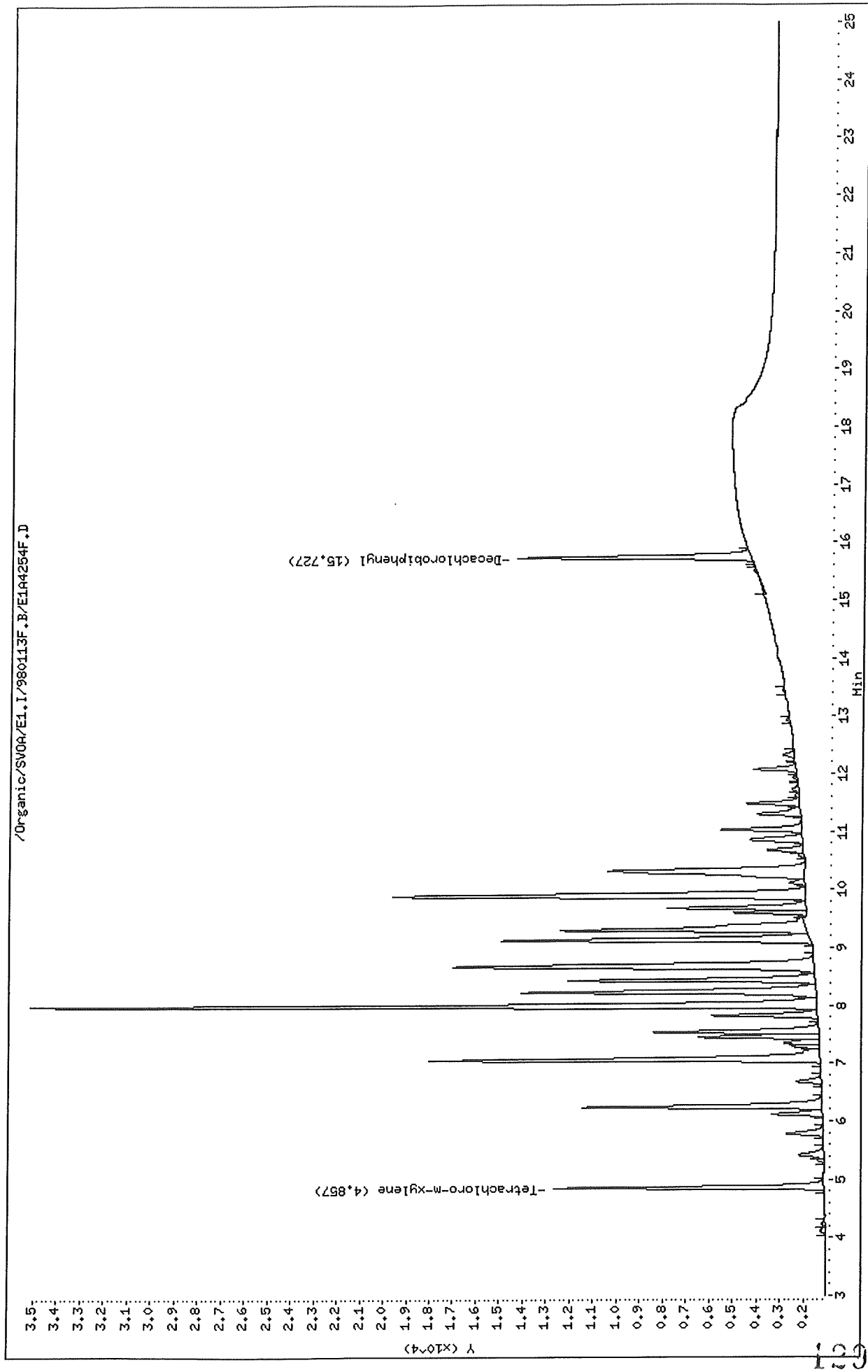
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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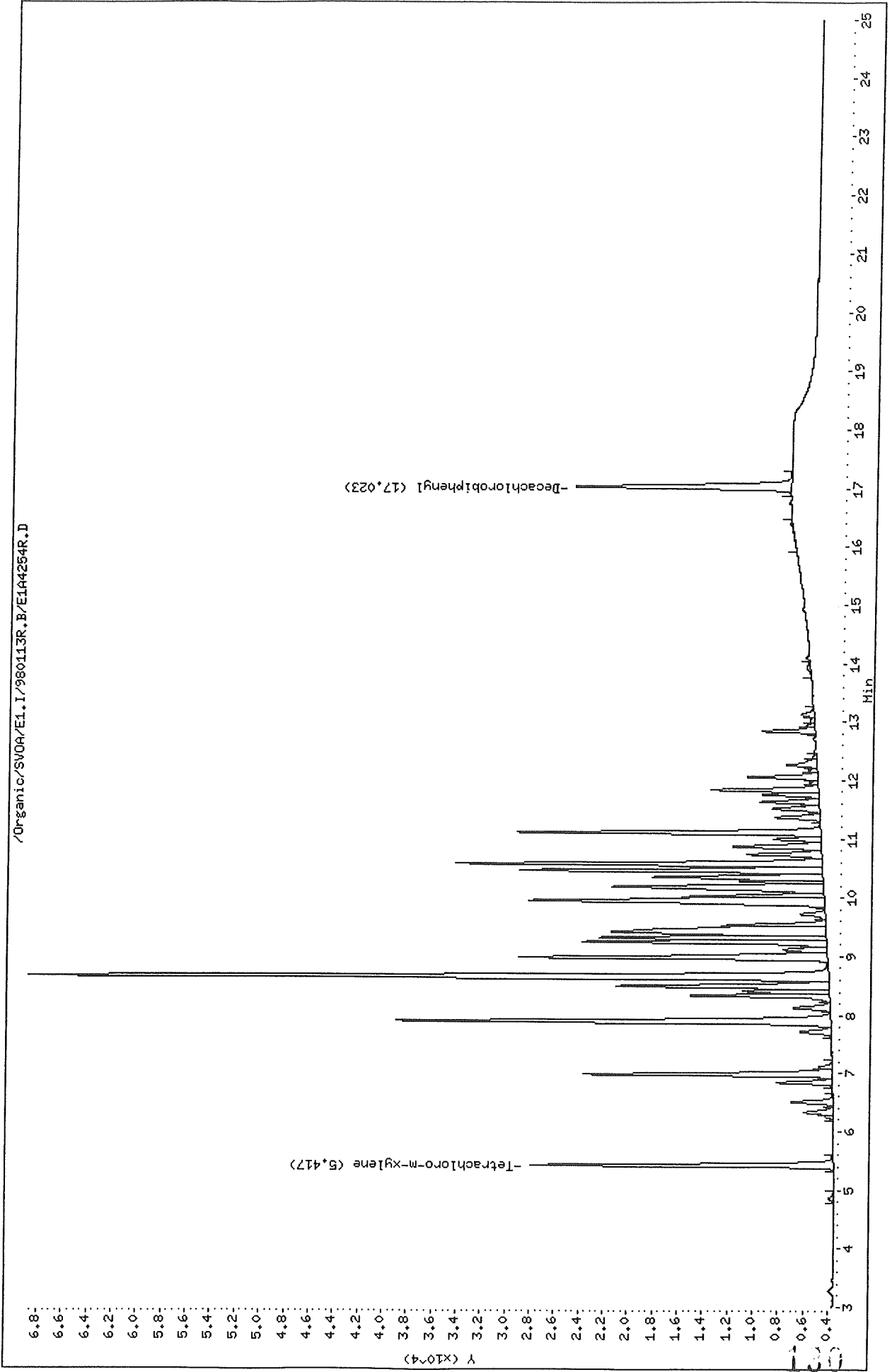
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4254F.D  
Date: 14-JAN-1998 04:23  
Client ID: AR1242A4  
Sample Info: AR1242A4,AR1242A4,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV04/E1.I/980113R.B/E1A4254R.D  
Date : 14-JAN-1998 04:23  
Client ID: AR1242A4  
Sample Info: AR1242A4,AR1242A4,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4254F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4254R.D  
 Inj Date : 14-JAN-1998 04:23  
 Sample Info: AR1242A4,AR1242A4,,ar1242.sub  
 Misc Info : ,4  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

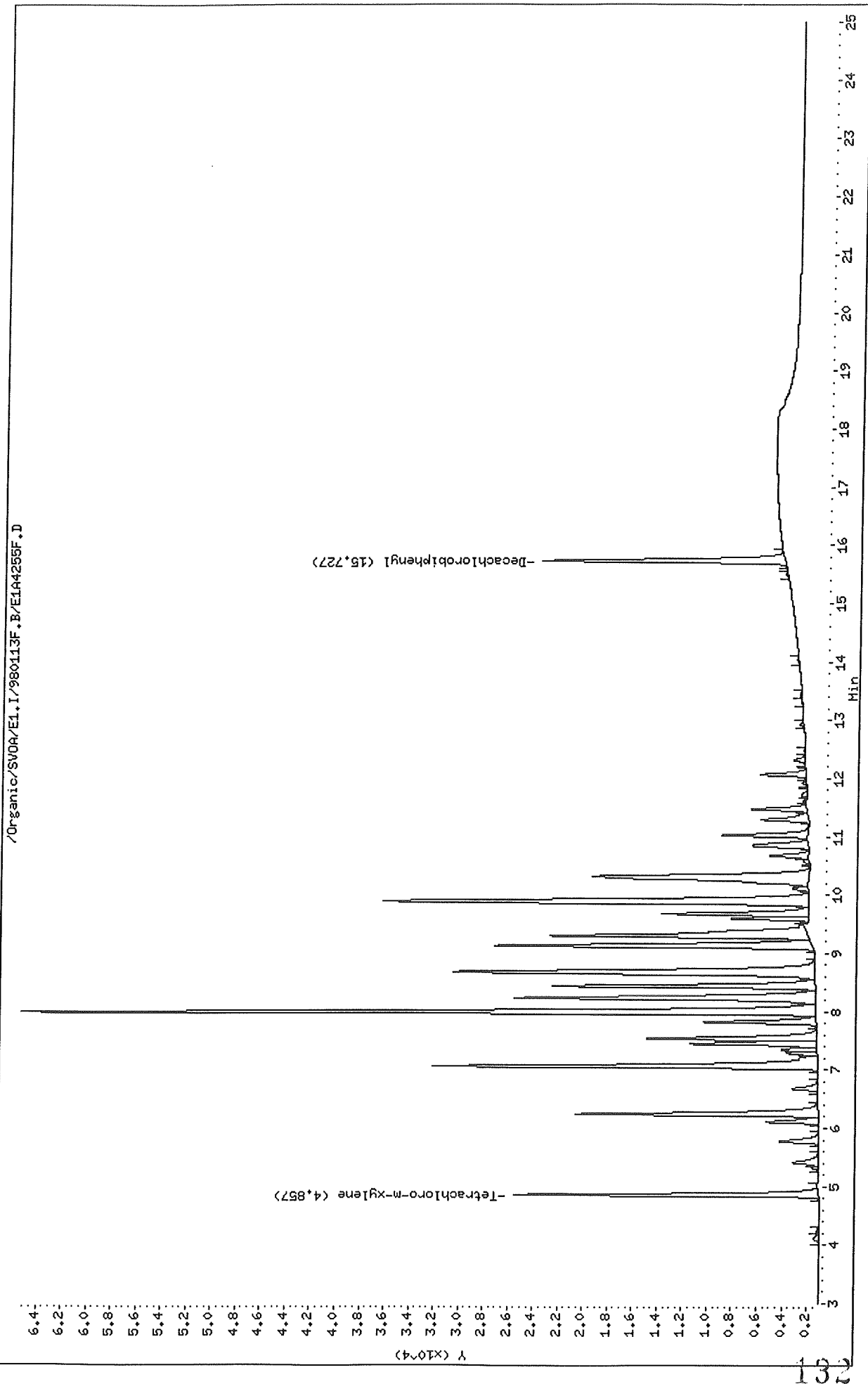
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	11534	24309	0.106	0.106		100.00
Aroclor-1242	6.240	6.977	10255	19928	4.808	4.675	80.00- 120.00	100.00
	7.053	7.890	16775	35008	4.609	4.490	154.68- 194.68	163.58
	7.983	8.647	33712	64686	4.868	4.833	327.18- 367.18	328.74
	8.233	8.977	12616	24799	4.873	4.757	106.52- 146.52	123.02
	8.437	9.240	10560	19567	5.187	5.113	78.27- 118.27	102.97
	Average of Peak Amounts =				4.869	4.773		
Decachlorobiphenyl	15.727	17.023	10032	17316	0.089	0.091		100.00

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 1/3-198



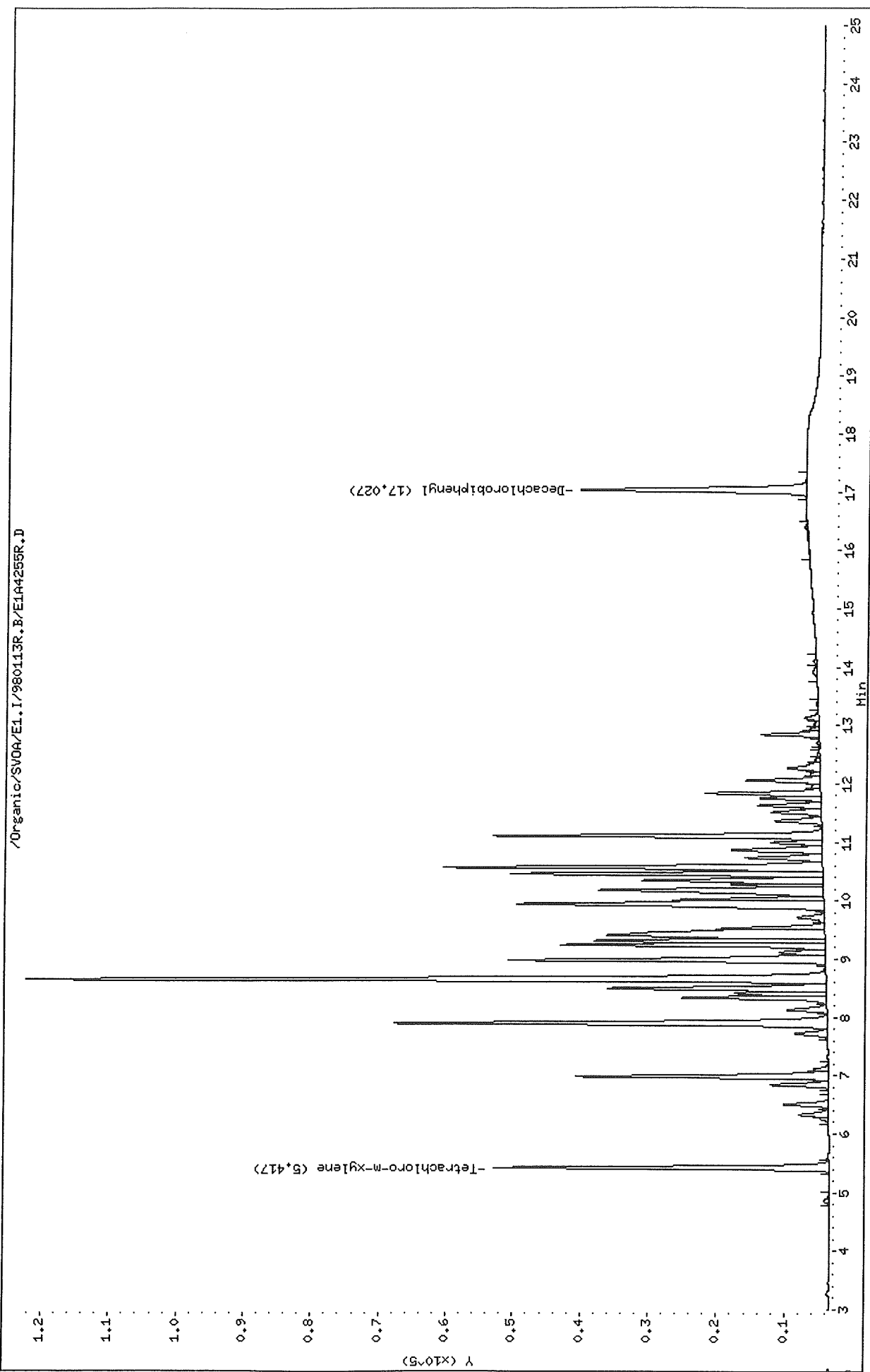
Data File: /Organic/SV04/E1.I/980113F.B/E1A4255F.D  
Date: 14-JAN-1998 04:51  
Client ID: AR1242A5  
Sample Info: AR1242A5,AR1242A5,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4255R.D  
Date: 14-JAN-1998 04:51  
Client ID: AR124245  
Sample Info: AR124245,AR124245,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: EI.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4255F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4255R.D  
 Inj Date : 14-JAN-1998 04:51  
 Sample Info: AR1242A5,AR1242A5,,ar1242.sub  
 Misc Info : ,5  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	24446	49493	0.226	0.217		100.00
Aroclor-1242	6.240	6.977	19459	37085	9.124	8.701	80.00- 120.00	100.00
	7.053	7.887	30977	63997	8.511	8.208	154.68- 194.68	159.19
	7.983	8.647	63918	118318	9.231	8.841	327.18- 367.18	328.48
	8.230	8.977	24138	46627	9.323	8.944	106.52- 146.52	124.05
	8.437	9.240	21150	38875	10.389	10.159	78.27- 118.27	108.69
	Average of Peak Amounts =				9.315	8.970		
Decachlorobiphenyl	15.727	17.027	19531	33181	0.174	0.175		100.00(A)

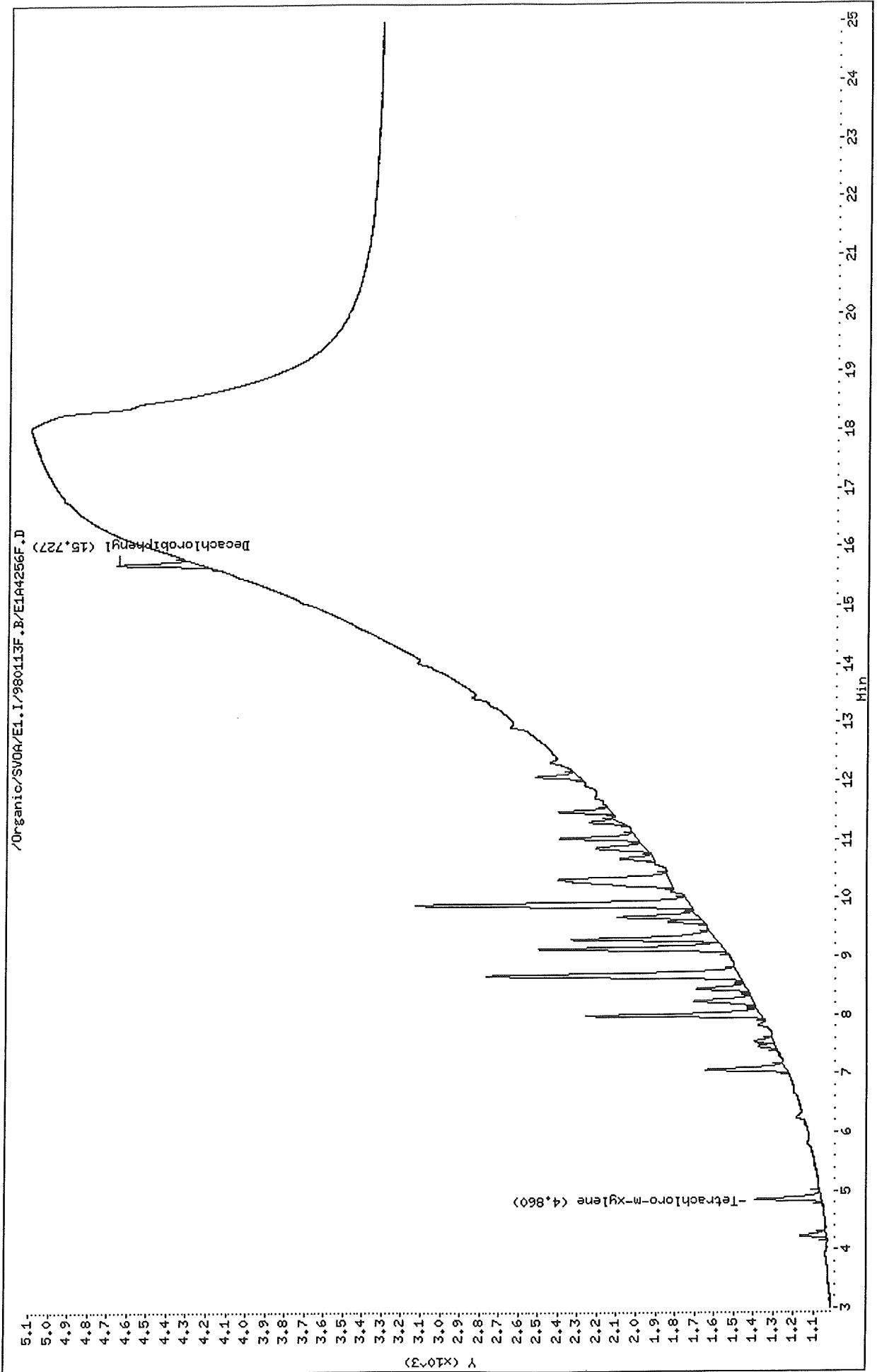
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

*GL*  
*1/30/98*

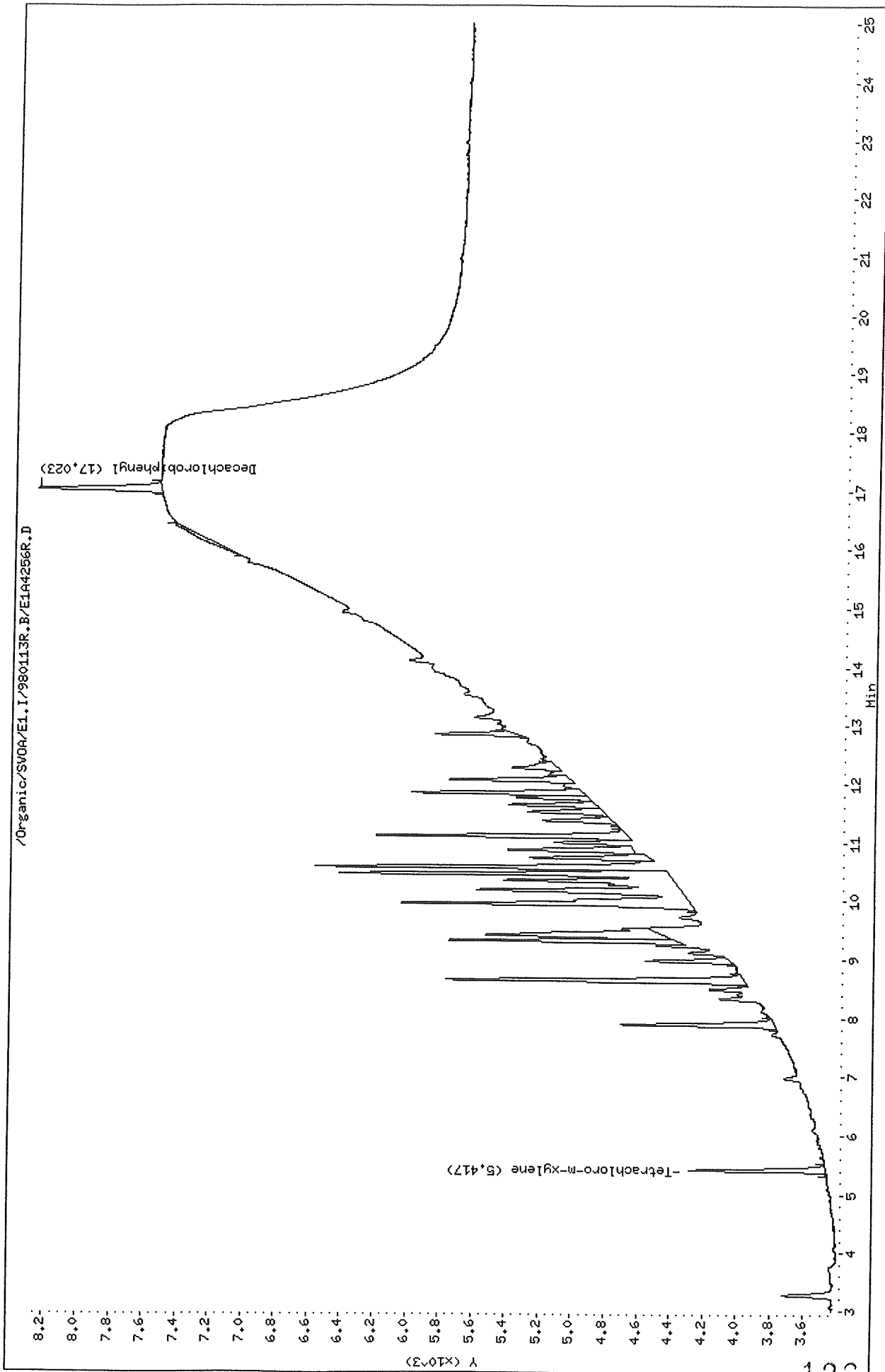
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4256F.D  
Date : 14-JAN-1998 05:19  
Client ID: AR1248A1  
Sample Info: AR1248A1,AR1248A1,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.1/980113R.B/E1A4256R.D  
Date: 14-JAN-1998 05:19  
Client ID: AR1248A1  
Sample Info: AR1248A1.AR1248A1,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4256F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4256R.D  
 Inj Date : 14-JAN-1998 05:19  
 Sample Info: AR1248A1,AR1248A1,,ar1248.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.860	5.417	333	813	0.003	0.003		100.00 (aM)
Aroclor-1248	7.990	10.453	894	2004	0.197	0.216	80.00- 120.00	100.00 (a)
	8.677	10.730	1294	729	0.232	0.217	104.50- 144.50	144.74 (a)
	9.130	11.100	945	1524	0.210	0.192	83.14- 123.14	105.70 (a)
Average of Peak Amounts =					0.213	0.208		
Decachlorobiphenyl	15.727	17.023	430	752	0.003	0.004		100.00 (aM)

QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

*GL*  
*1/30/98*

Data File: /Organic/SV0A/E1.I/980113F.B/E1A4257F.D

Date : 14-JAN-1998 05:47

Client ID: AR1248A2

Sample Info: AR1248A2,AR1248A2,,ar-1248.sub

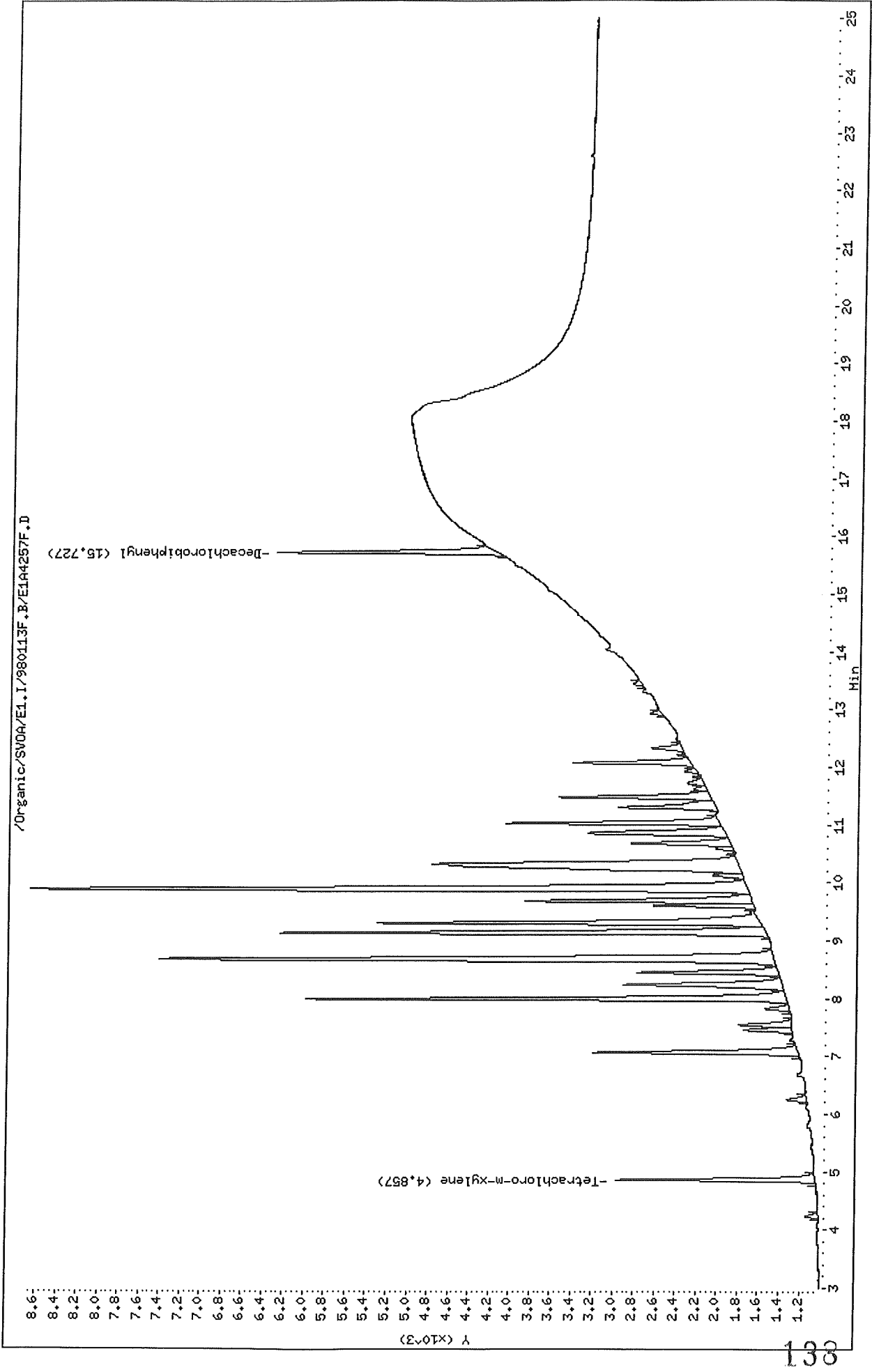
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

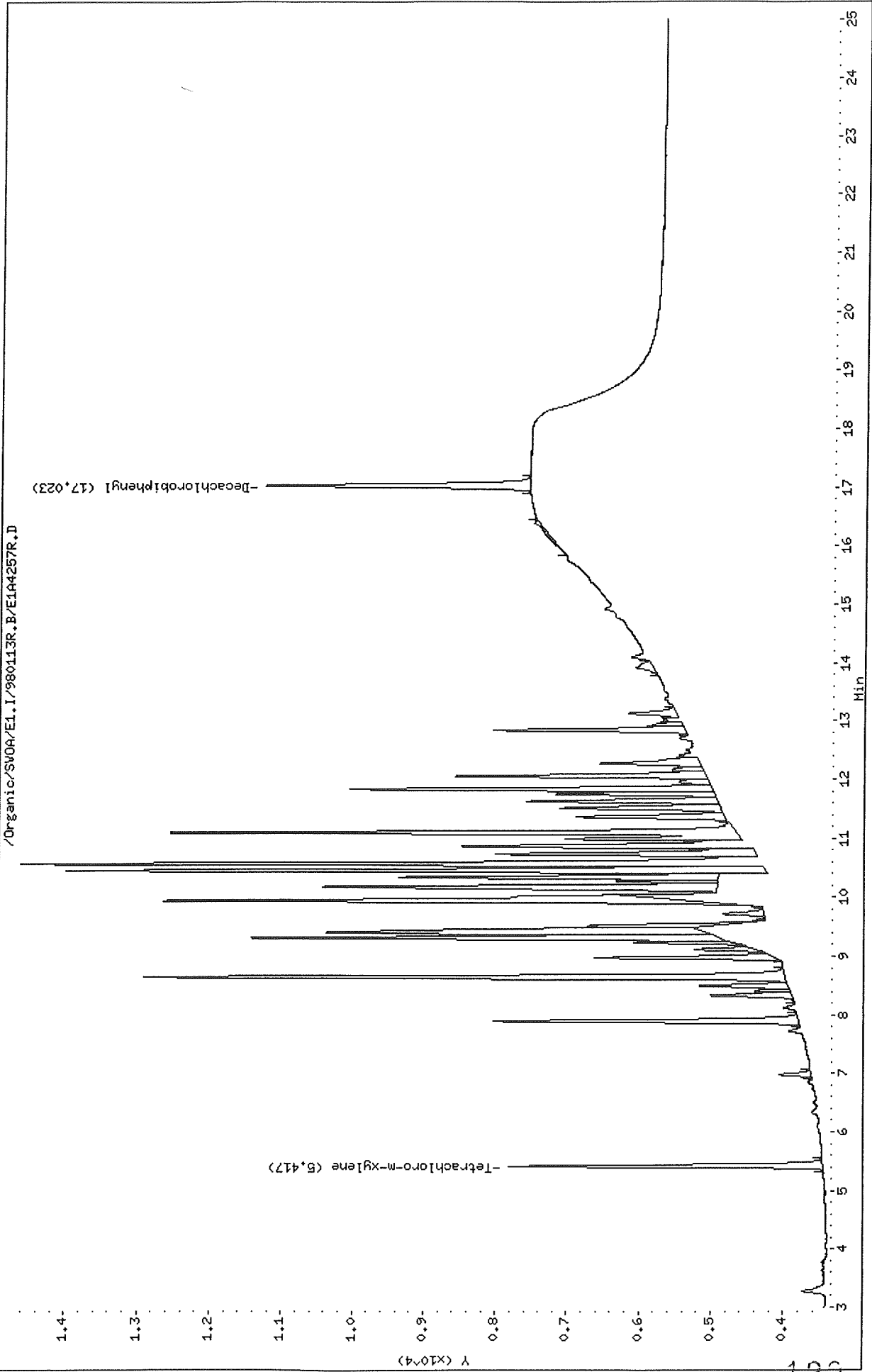
Operator: sph

Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4257R.D  
Date : 14-JAN-1998 05:47  
Client ID: AR1248A2  
Sample Info: AR1248A2.AR1248A2,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53





Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4257F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4257R.D  
 Inj Date : 14-JAN-1998 05:47  
 Sample Info: AR1248A2,AR1248A2,,ar1248.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	1919	4361	0.017	0.019		100.00 (a)
Aroclor-1248	7.987	10.453	4645	9741	1.026	1.053	80.00- 120.00	100.00
	8.677	10.730	5962	3612	1.070	1.075	104.50- 144.50	128.35
	9.127	11.100	4699	7892	1.048	0.999	83.14- 123.14	101.16
	Average of Peak Amounts =				1.048	1.042		
Decachlorobiphenyl	15.727	17.023	2157	3708	0.019	0.019		100.00 (aM)

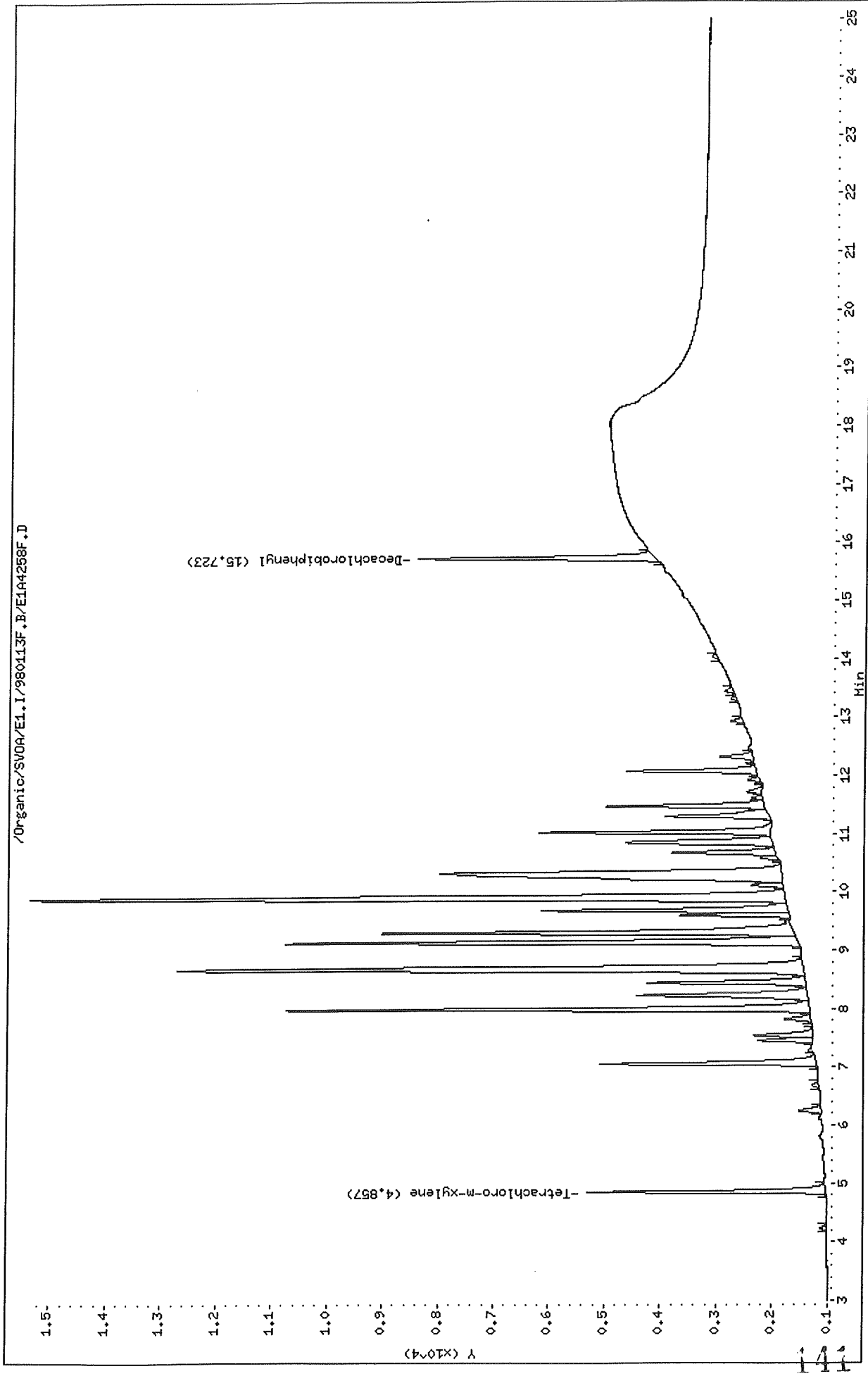
QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation (BLOQ).
- M - Compound response manually integrated.

*OL*  
*1/30/98*

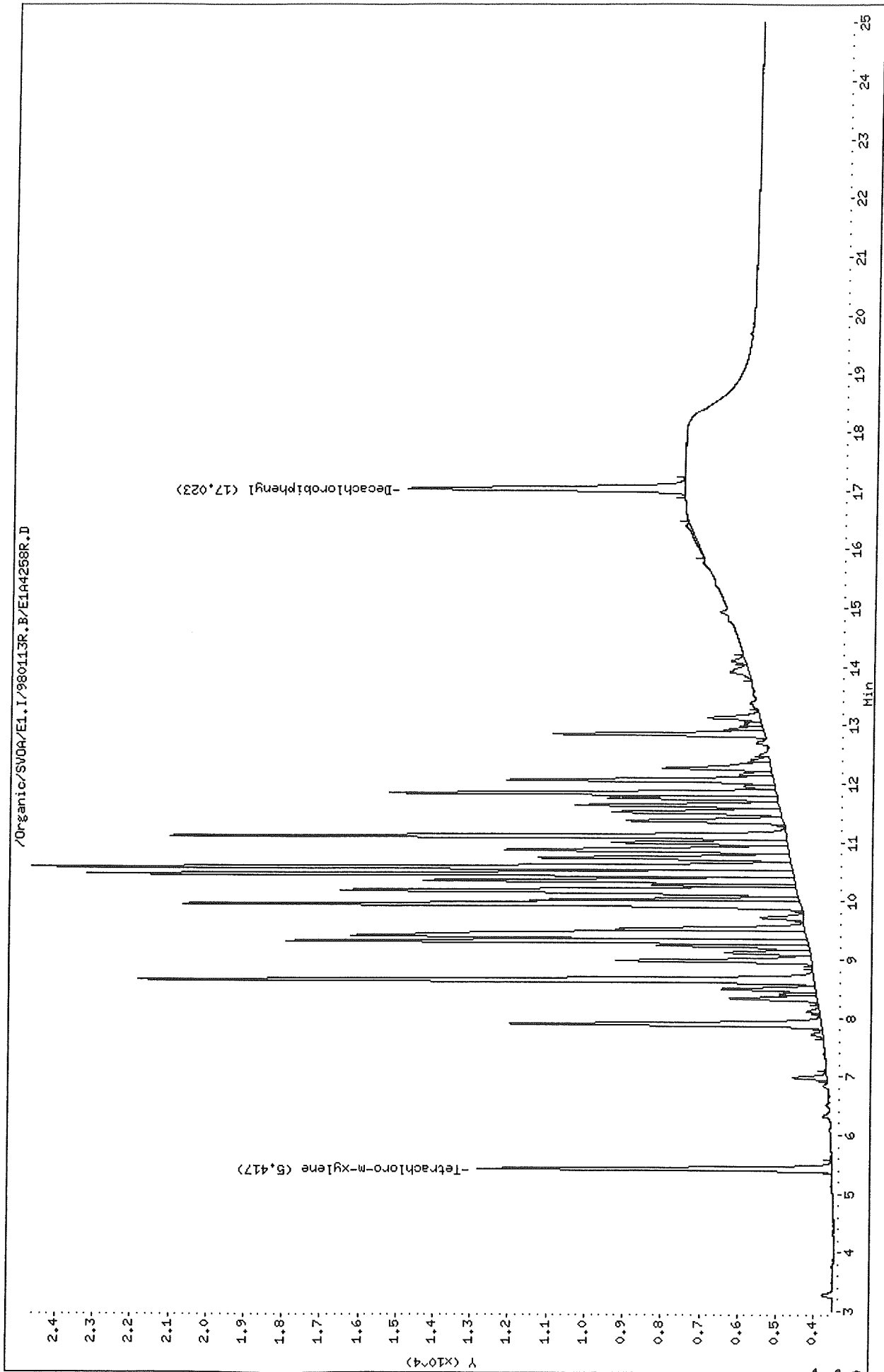
Data File: /Organic/SV0A/E1.I/980113F.B/E1A4258F.D  
Date : 14-JAN-1998 06:15  
Client ID: AR1248A3  
Sample Info: AR1248A3,AR1248A3,,ar1248.sub  
Volume Injected (ul): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4258R.D  
Date: 14-JAN-1998 06:15  
Client ID: AR1248A3  
Sample Info: AR1248A3,AR1248A3,.ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4258F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4258R.D  
 Inj Date : 14-JAN-1998 06:15  
 Sample Info: AR1248A3,AR1248A3,,ar1248.sub  
 Misc Info : ,3  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.857	5.417	4275	9294	0.039	0.040		100.00 (a)
Aroclor-1248	7.983	10.450	9401	18627	2.077	2.014	80.00- 120.00	100.00
	8.673	10.730	11261	6587	2.022	1.961	104.50- 144.50	119.79
	9.123	11.097	9210	16202	2.055	2.051	83.14- 123.14	97.97
	Average of Peak Amounts =				2.051	2.008		
Decachlorobiphenyl	15.723	17.023	4292	7311	0.038	0.038		100.00 (a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation (BLOQ).

*OL*  
*1/3 = 1.78*

Data File: /Organic/SV0A/E1.I/980113F.B/E1A4259F.D

Date : 14-JAN-1998 06:43

Client ID: AR1248A4

Sample Info: AR1248A4,AR1248A4,,ar-1248.sub

Volume Injected (uL): 2.0

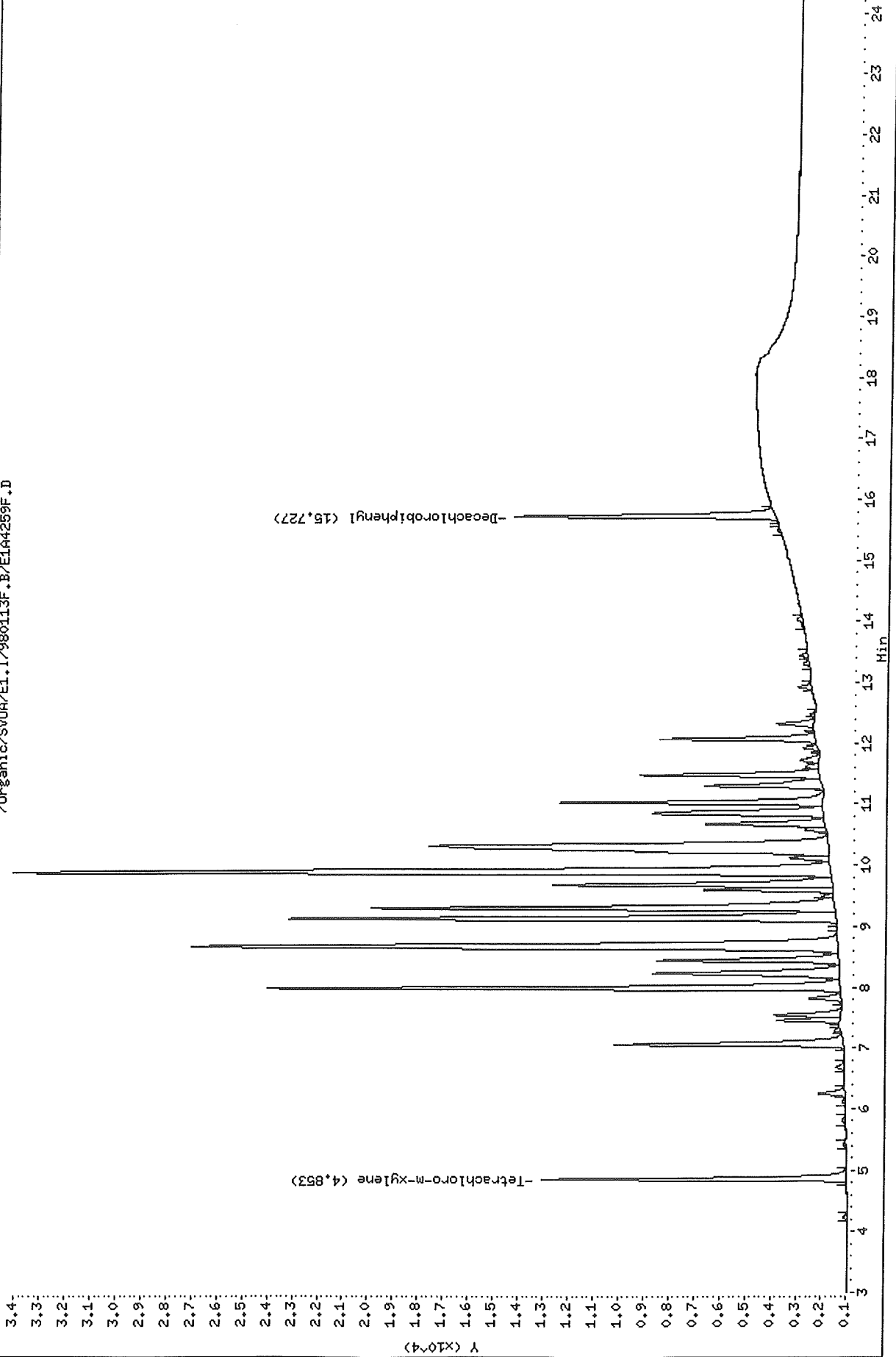
Column phase: DB-1701

Instrument: E1.i

Operator: sph

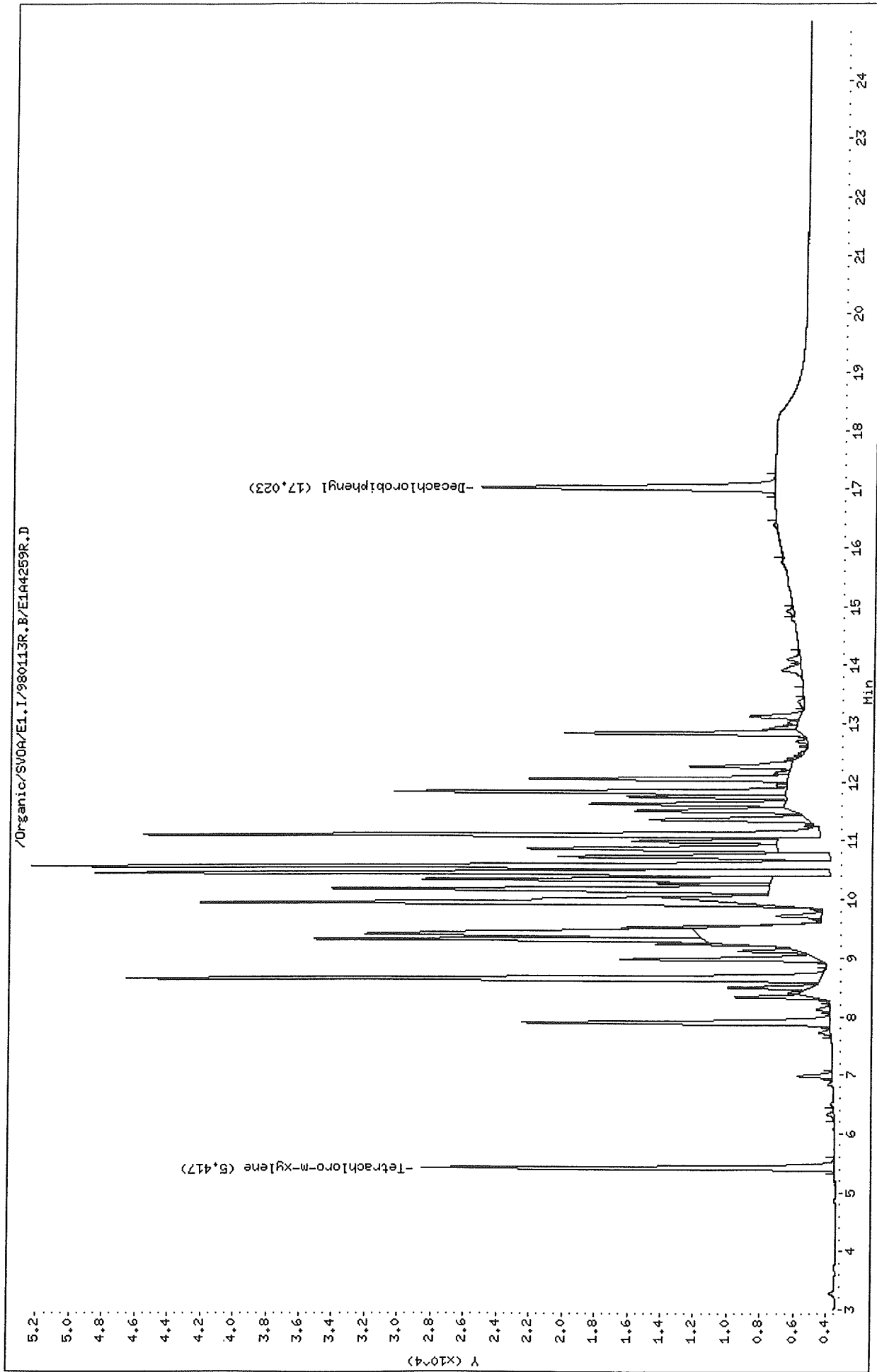
Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4259F.D



Data File: /Organic/SV0A/E1.I/980113R.B/E1A4259R.D  
Date : 14-JAN-1998 06:43  
Client ID: AR1248A4  
Sample Info: AR1248A4,AR1248A4,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4259F.D  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4259R.D  
 Inj Date : 14-JAN-1998 06:43  
 Sample Info: AR1248A4,AR1248A4,,ar1248.sub  
 Misc Info : ,4  
 Cal Date : 15-JAN-1998 10:47  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.853	5.417	12068	25054	0.111	0.109		100.00
Aroclor-1248	7.983	10.453	22797	44743	5.037	4.839	80.00- 120.00	100.00
	8.673	10.730	25692	16454	4.614	4.898	104.50- 144.50	112.70
	9.123	11.097	21746	41138	4.853	5.207	83.14- 123.14	95.39
	Average of Peak Amounts =				4.834	4.981		
Decachlorobiphenyl	15.727	17.023	10324	17859	0.092	0.094		100.00

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 1/30/98

.B/E1A4260F.D

Instrument: E1.i

ar1248.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4260F.D

-Decachlorobiphenyl (15.723)



I:\980113R.B\E1A4260R.D

05,,ar-1248.sub

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I\980113R.B\E1A4260R.D

-Decachlorobiphenyl (17\*023)

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4260F.  
 Report Date: 30-Jan-1998 10:23

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4260  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4260  
 Inj Date : 14-JAN-1998 07:11  
 Sample Info: AR1248A5,AR1248A5,,ar1248.sub  
 Misc Info : ,5  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extracted
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.847	5.413	24988	49483	0.231	0.21
Aroclor-1248	7.980	10.450	42541	82057	9.399	8.87
	8.670	10.730	46383	29525	8.330	8.79
	9.120	11.097	40234	76567	8.980	9.69
	Average of Peak Amounts =				8.903	9.11
Decachlorobiphenyl	15.723	17.023	19538	33459	0.174	0.17

### QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount

Instrument: E1.i

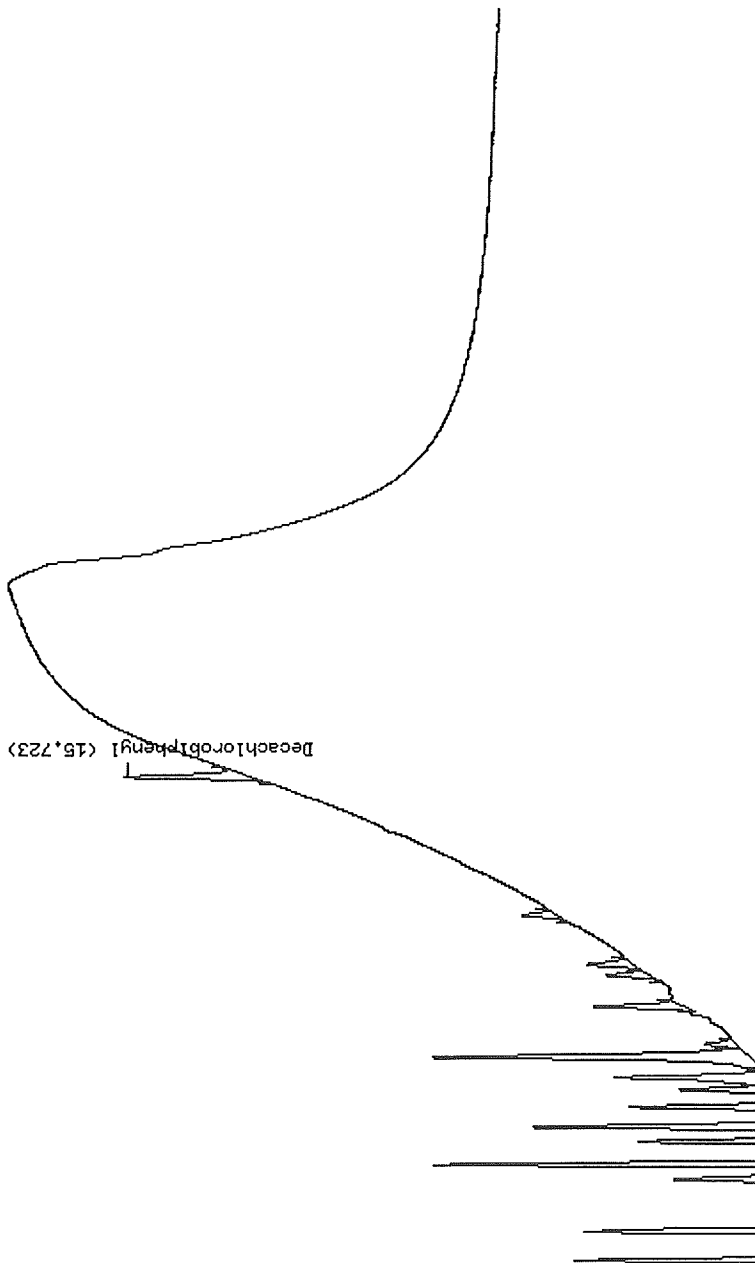
ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.1/980113F.B/E1A4261F.D

Decachlorobiphenyl (15.723)



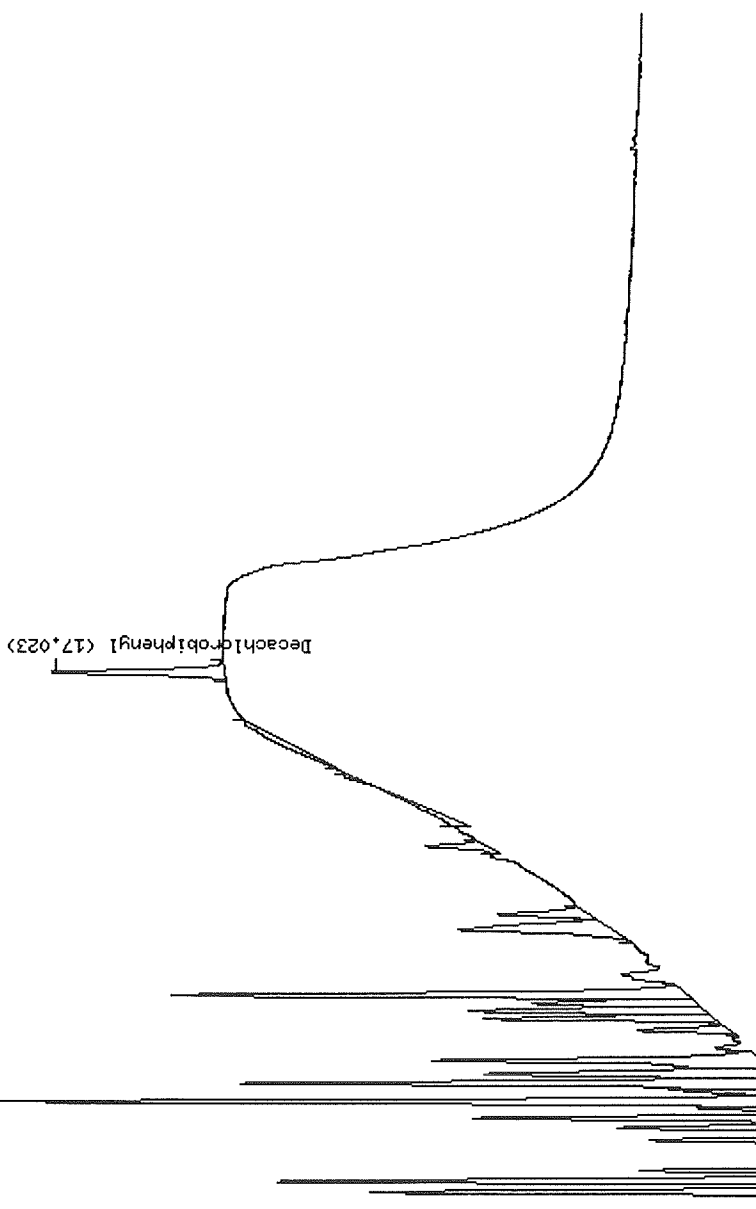
'980113R.B/E1A4261R.D

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV04/E1.I/980113R.B/E1A4261R.D



Data File: \Organic\SVOA\E1.I\980113F.B\E1A4261F.  
 Report Date: 30-Jan-1998 10:23

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4261F.  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4261F.  
 Inj Date : 14-JAN-1998 07:39  
 Sample Info: AR1254A1,AR1254A1,,ar1254.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Reap#1	Reap#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.857	5.417	332	805	0.003	0.003
Decachlorobiphenyl	15.723	17.023	432	745	0.003	0.003
Aroclor-1254	9.870	10.730	1242	2269	0.223	0.223
	10.220	10.860	1129	2624	0.224	0.233
	11.023	11.630	1432	1518	0.203	0.203
	11.473	12.057	972	2352	0.203	0.213
	11.713	12.333	590	1421	0.212	0.213
Average of Peak Amounts =					0.213	0.213

QC Flag Legend

'980113F.B/E1A4262F.D

Instrument: E1.1


..ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV04/E1.1/980113F.B/E1A4262F.D

-Decachlorobiphenyl (15.723)



'980113R.B/E1A4262R.D

Instrument: E1.i

2., ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4262R.D

-Decachlorobiphenyl (17.023)

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4262F.  
 Report Date: 30-Jan-1998 10:23

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4262  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4262  
 Inj Date : 14-JAN-1998 08:07  
 Sample Info: AR1254A2,AR1254A2,,ar1254.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extracted
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.857	5.417	1936	4346	0.017	0.017
Decachlorobiphenyl	15.723	17.023	2136	3733	0.019	0.019
Aroclor-1254	9.867	10.730	6024	10570	1.084	1.065
	10.217	10.860	5360	12092	1.065	1.071
	11.020	11.630	7287	7684	1.034	1.021
	11.473	12.057	4923	11600	1.031	1.041
	11.713	12.333	2909	6879	1.046	1.061
Average of Peak Amounts =					1.052	1.052



980113F.B/E1A4263F.D

Instrument: E1.i

..ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4263F.D

-Decachlorobiphenyl (15.723)

980113R.B/E1A4263R.D

3., ar1254.sub

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4263R.D

-Decachlorobiphenyl (17.023)

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4263F  
 Report Date: 30-Jan-1998 10:23

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4263  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4263  
 Inj Date : 14-JAN-1998 08:35  
 Sample Info: AR1254A3,AR1254A3,,ar1254.sub  
 Misc Info : ,3  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.853	5.417	4354	9375	0.040	0.040
Decachlorobiphenyl	15.723	17.023	4329	7556	0.038	0.040
Aroclor-1254	10.213	10.730	10233	20025	1.842	2.020
	10.213	10.857	10233	22902	2.034	2.030
	11.020	11.630	14478	15362	2.055	2.050
	11.470	12.053	9693	22786	2.030	2.050
	11.710	12.333	5577	13271	2.006	2.040
Average of Peak Amounts =					1.993	2.040

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4263F.

Report Date: 30-Jan-1998 10:23

### QC Flag Legend

M - Compound response manually integrated.

'980113F.B/E1A4264F.D

Instrument: E1.i

1, ar1254, sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4264F.D

-Decachlorobiphenyl (15.720)

/980113R.B/E1A4264R.D

Instrument: E1.i

4,ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4264R.D

1-torobiphenyl (17.027)

'980113F.B/E1A4266F.D

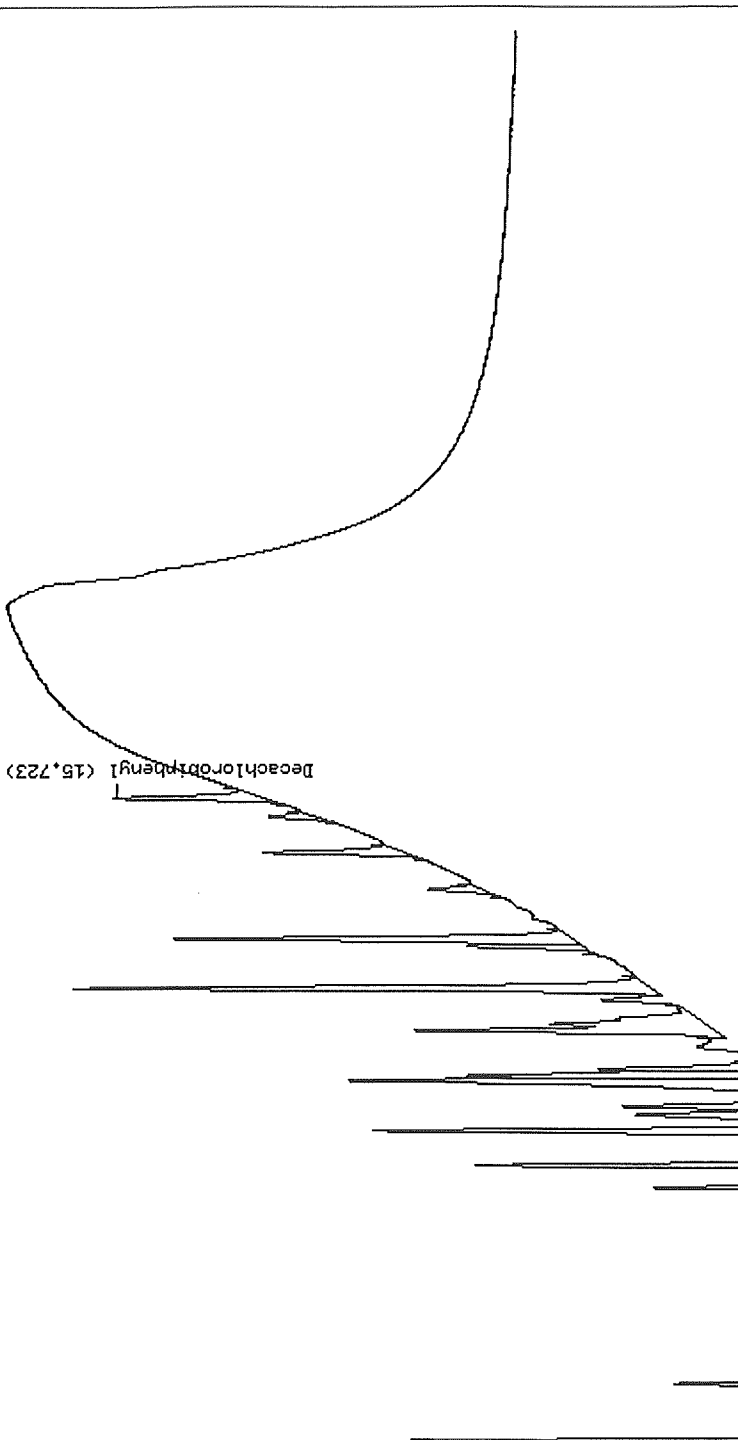
Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4266F.D

Decachlorobiphenyl (15.723)



1/980113R.B/E1A4266R.D

Instrument: EI.i

11.ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4266R.D

-Decachlorobiphenyl (17.023)





Data File: \Organic\SVOA\E1.I\980113F.B\E1A4266F  
 Report Date: 30-Jan-1998 10:24

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4266  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4266  
 Inj Date : 14-JAN-1998 09:58  
 Sample Info: AR1660A1,AR1660A1,,ar1660.sub  
 Misc Info : ,1  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.857	5.417	331	800	0.003	0.003
Aroclor-1016	6.243	6.980	516	1098	0.206	0.222
	7.057	7.890	1144	2505	0.228	0.242
	8.233	8.647	730	3754	0.204	0.212
	Average of Peak Amounts =				0.212	0.222
Decachlorobiphenyl	15.723	17.023	456	802	0.004	0.004
Aroclor-1260	12.923	13.850	917	1822	0.206	0.212
	13.433	14.100	1762	4583	0.198	0.204
	14.027	14.923	1213	2211	0.190	0.200
	Average of Peak Amounts =				0.198	0.200

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4266F.  
Report Date: 30-Jan-1998 10:24

### QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

'980113F.B/E1A4267F.D

Instrument: E1.1

2, ar1660, sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.1/980113F.B/E1A4267F.D

-Decachlorobiphenyl (15.720)



Instrument: E1.1

Operator: sph

Column diameter: 0.53

/Organic/SV04/E1.1/980113R.B/E1A4267R.D

echlorobiphenyl (17.023)

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4267F  
 Report Date: 30-Jan-1998 10:24

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4267F  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4267F  
 Inj Date : 14-JAN-1998 10:26  
 Sample Info: AR1660A2,AR1660A2,,ar1660.sub  
 Misc Info : ,2  
 Cal Date : 15-JAN-1998 10:48  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.853	5.417	1937	4340	0.018	0.018
Aroclor-1016	6.240	6.980	2642	5240	1.056	1.070
	7.053	7.890	5415	11172	1.080	1.090
	8.230	8.647	3749	18834	1.048	1.070
	Average of Peak Amounts =				1.061	1.080
Decachlorobiphenyl	15.720	17.023	2326	3903	0.020	0.020
Aroclor-1260	12.923	13.850	4540	8888	1.019	1.040
	13.430	14.100	9149	22799	1.031	1.030
	14.027	14.923	6478	11235	1.017	1.020
	Average of Peak Amounts =				1.022	1.030

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4267F.  
Report Date: 30-Jan-1998 10:24

### QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

980113F.B/E1A4268F.D

Instrument: E1.i

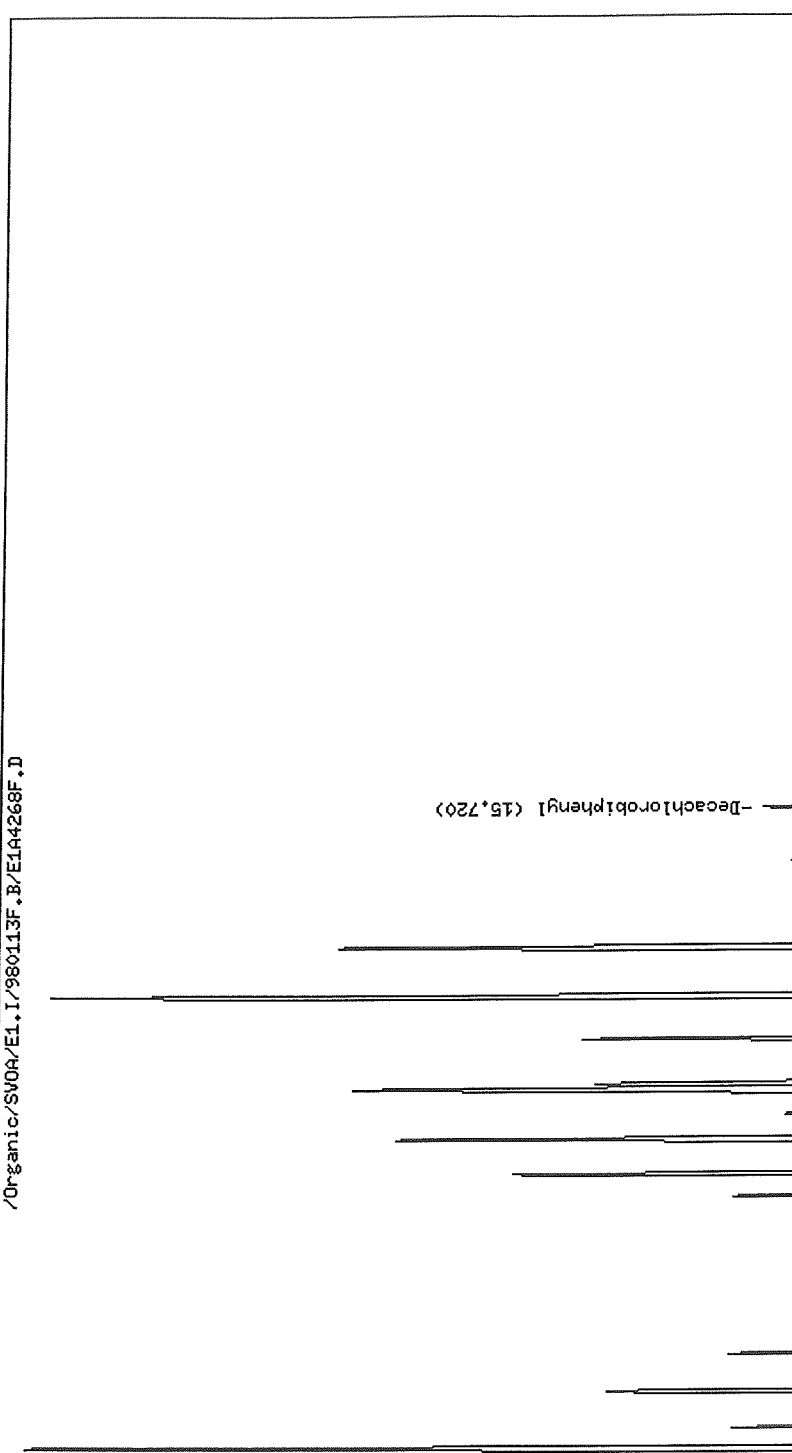
ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4268F.D

-Decachlorobiphenyl (15.720)



980113R.B/E1A4268R.D

Instrument: E1.i

3,,ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4268R.D

[17.023] biphenyl



Data File: \Organic\SVOA\E1.I\980113F.B\E1A4268F.  
 Report Date: 30-Jan-1998 10:24

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4268  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4268  
 Inj Date : 14-JAN-1998 10:54  
 Sample Info: AR1660A3, AR1660A3, , ar1660.sub  
 Misc Info : , 3  
 Cal Date : 15-JAN-1998 10:49  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.853	5.417	4283	9155	0.039	0.040
Aroclor-1016	6.240	6.980	5147	9884	2.057	2.026
	7.050	7.890	10166	20482	2.027	2.000
	8.230	8.647	7339	35522	2.052	2.032
	Average of Peak Amounts =				2.045	2.019
Decachlorobiphenyl	15.720	17.023	4534	7568	0.040	0.040
Aroclor-1260	12.923	13.850	8953	17227	2.011	2.016
	13.430	14.100	18213	44467	2.053	2.023
	14.027	14.923	12972	22274	2.038	2.025
	Average of Peak Amounts =				2.034	2.021

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4268F.  
Report Date: 30-Jan-1998 10:24

### QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

'980113F.B/E1A4269F.D

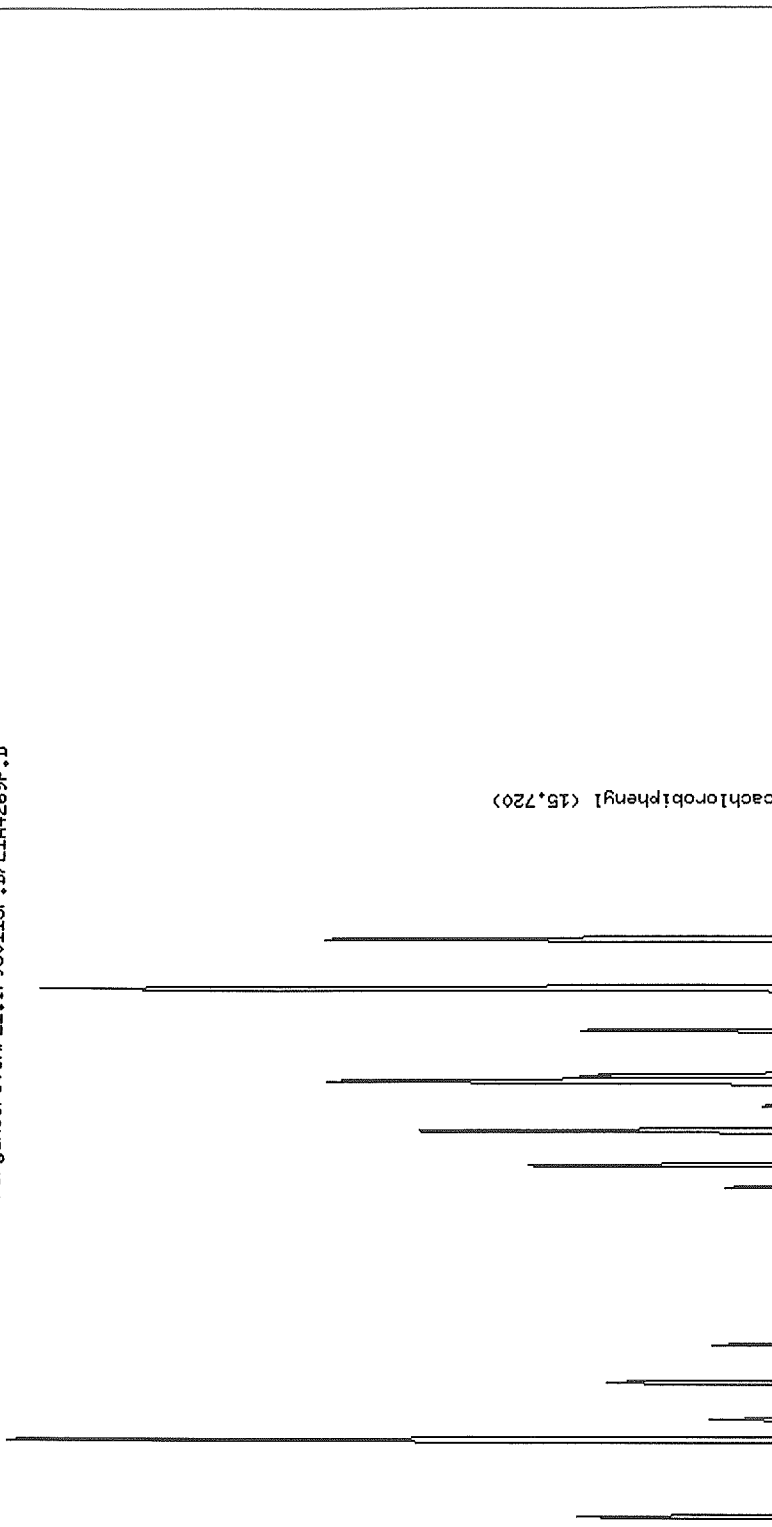
Instrument: E1.i

1, ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SVOA/E1.I/980113F.B/E1A4269F.D



/980113R.B/E1A4269R.D

Instrument: E1.i

44,,ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4269R.D

phenyl (17.023)

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4269F.

Report Date: 30-Jan-1998 10:24

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4269  
Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4269  
Inj Date : 14-JAN-1998 11:22  
Sample Info: AR1660A4,AR1660A4,,ar1660.sub  
Misc Info : ,4  
Cal Date : 15-JAN-1998 10:49  
Operator : sph  
Inst ID : E1.i  
Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
Sub List #1 : ar1660.sub  
Sub List #2 : ar1660.sub  
Col #1 Phase : DB-1701  
Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt/(Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.850	5.417	12388	24721	0.114	0.108
Aroclor-1016	6.237	6.977	12216	22729	4.883	4.666
	7.050	7.890	23133	45351	4.613	4.422
	8.227	8.647	17541	82893	4.906	4.743
	Average of Peak Amounts =				4.800	4.611
Decachlorobiphenyl	15.720	17.023	11048	18269	0.098	0.099
Aroclor-1260	12.920	13.850	21980	41128	4.937	4.811
	13.430	14.100	44232	106511	4.987	4.844
	14.023	14.923	32388	54673	5.088	4.977
	Average of Peak Amounts =				5.004	4.877

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4269F.  
Report Date: 30-Jan-1998 10:24

### QC Flag Legend

M - Compound response manually integrated.

80113F.B/E1A4270F.D

Instrument: E1.i

.ar1660.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113F.B/E1A4270F.D

chlorobiphenyl (15.720)



980113R.B/E1A4270R.D

Instrument: E1.i

980113R.B/E1A4270R.D

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980113R.B/E1A4270R.D

thengyl (17.027)



Data File: \Organic\SVOA\E1.I\980113F.B\E1A4270F  
 Report Date: 30-Jan-1998 10:24

Thru-Put System

Sample #1 : \Organic\SVOA\E1.I\980113F.B\E1A4270  
 Sample #2 : \Organic\SVOA\E1.I\980113R.B\E1A4270  
 Inj Date : 14-JAN-1998 11:50  
 Sample Info: AR1660A5,AR1660A5,,ar1660.sub  
 Misc Info : ,5  
 Cal Date : 15-JAN-1998 10:49  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980113F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980113R.B\E1\_PC  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.850	5.417	25786	49513	0.239	0.21
Aroclor-1016	6.237	6.977	22693	41654	9.071	8.54
	7.047	7.890	42250	81845	8.426	7.95
	8.227	8.647	32997	154293	9.229	8.82
	Average of Peak Amounts =				8.908	8.45
Decachlorobiphenyl	15.720	17.027	20998	35220	0.187	0.18
Aroclor-1260	12.920	13.850	42608	78868	9.571	9.23
	13.430	14.100	84300	206144	9.505	9.38
	14.023	14.923	63155	106165	9.923	9.65
	Average of Peak Amounts =				9.666	9.42

Data File: \Organic\SVOA\E1.I\980113F.B\E1A4270F.  
Report Date: 30-Jan-1998 10:24

### QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

## Continuing Calibrations

980121F.B/E1A4348F.D

..ar1242.sub

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980121F.B/E1A4348F.D

-Decachlorobiphenyl (15.702)

980121R.B/E1A4348R.D

Instrument: E1.i

ar1242.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980121R.B/E1A4348R.D

-Decachlorobiphenyl (17.020)

Data File: \Organic\SVOA\E1.I\980121F.B\E1A4348F  
 Report Date: 22-Jan-1998 09:48

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4348  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4348  
 Inj Date : 21-JAN-1998 09:41  
 Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
 Misc Info : 2  
 Cal Date : 21-JAN-1998 15:06  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PO  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PO  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* V

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.857	5.407	4290	9530	0.0398	0.041
Aroclor-1242	6.237	6.970	4766	9194	2.23	2.1
	7.047	7.883	8320	16526	2.29	2.1
	7.973	8.640	16306	28114	2.35	2.1
	8.223	8.970	5946	10706	2.30	2.0
	8.427	9.233	4621	7197	2.27	1.8
	Average of Peak Amounts =				2.29	2.0
Decachlorobiphenyl	15.703	17.020	4407	7635	0.0394	0.040

QC Flag Legend

980121F.B/EIA4349F.D

Instrument: E1.i

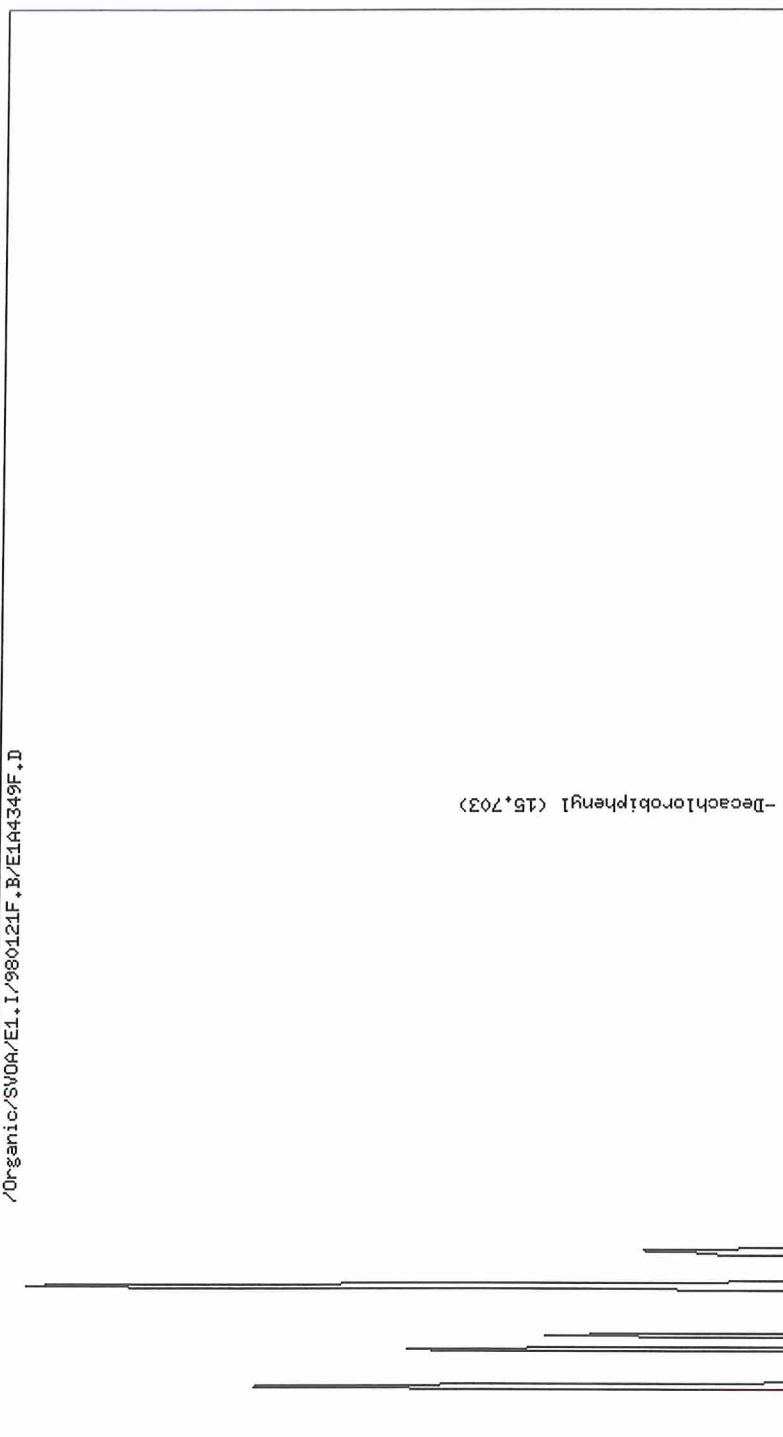
ar1248.sub

Operator: sph

Column diameter: 0.53

/Organic/SV04/E1.I/980121F.B/EIA4349F.D

-Decachlorobiphenyl (15.703)



980121R.B/E1A4349R.D

Instrument: E1.i

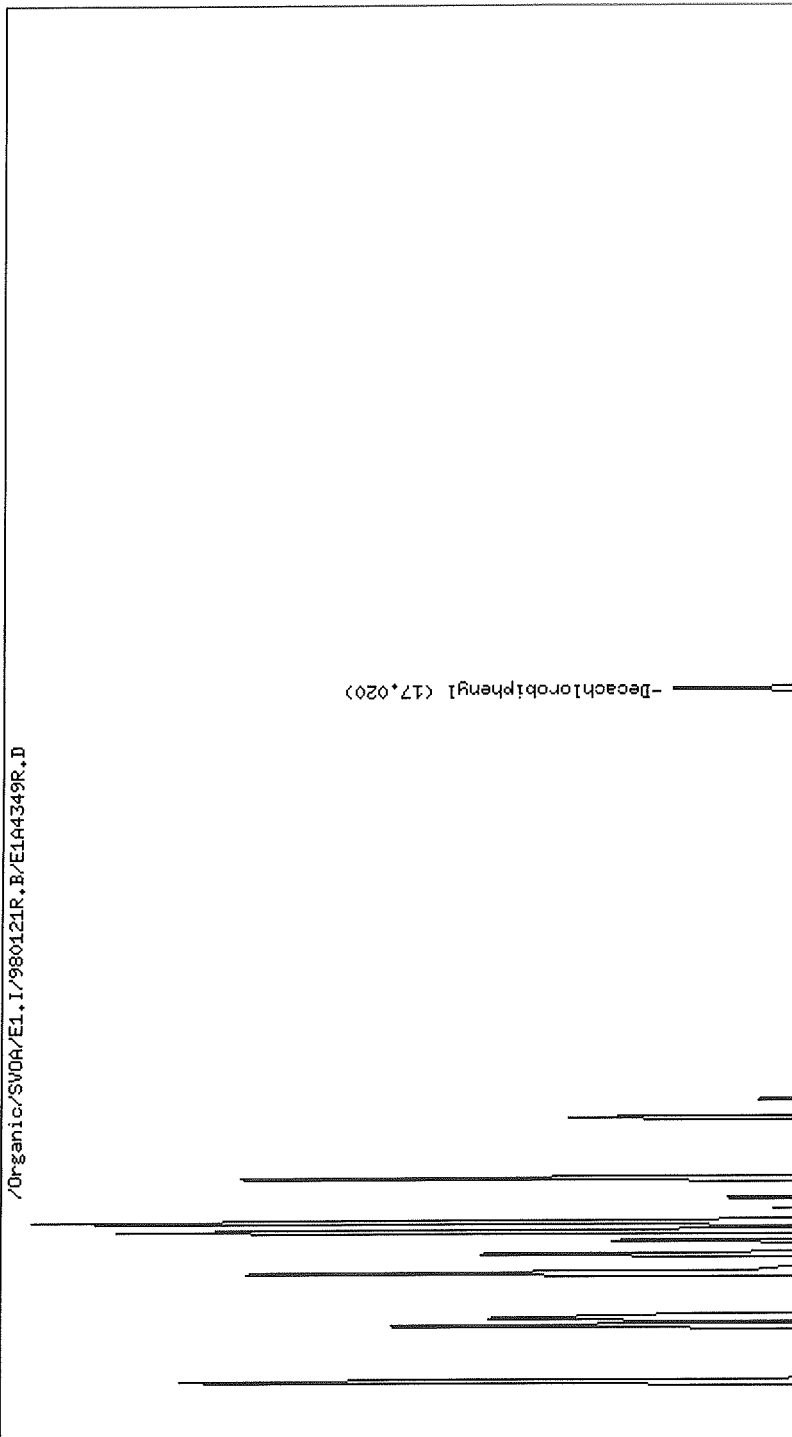
,ar1248.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980121R.B/E1A4349R.D

-Decachlorobiphenyl (17.020)





Data File: \Organic\SVOA\E1.I\980121F.B\E1A4349F.  
 Report Date: 22-Jan-1998 09:49

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4349  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4349  
 Inj Date : 21-JAN-1998 10:10  
 Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
 Misc Info : 2  
 Cal Date : 21-JAN-1998 15:06  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PC  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vo} * \text{V})$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.847	5.413	4339	9618	0.0402	0.0422
Aroclor-1248	7.970	10.450	10149	19550	2.24	2.15
	8.657	10.727	12701	7226	2.28	2.15
	9.107	11.097	10560	17186	2.36	2.15
	Average of Peak Amounts =				2.29	2.15
Decachlorobiphenyl	15.703	17.020	4571	7925	0.0409	0.0420

QC Flag Legend

a - Target compound detected but, quantitated amount

980121F.B/E1A4350F.D

ar1254.sub

Instrument: E1.i

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980121F.B/E1A4350F.D

eachlorobiphenyl (15,700)

980121R.B/E1A4350R.D

Instrument: E1.i

ar1254.sub

Operator: sph

Column diameter: 0.53

/Organic/SV0A/E1.I/980121R.B/E1A4350R.D

chlorobiphenyl (17.020)

Data File: \Organic\SVOA\E1.I\980121F.B\E1A4350F.  
 Report Date: 22-Jan-1998 09:49

Thru-Put Systems

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4350  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4350  
 Inj Date : 21-JAN-1998 10:38  
 Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
 Misc Info : 2  
 Cal Date : 21-JAN-1998 15:06  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PC  
 Method #2 : \Organic\SVOA\E1.I\980120R.B\E1\_PC  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract
Vo	1000.000	Volume of sample extract
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)
Tetrachloro-m-xylene	4.843	0.000	4433	0	0.0411	0.0
Decachlorobiphenyl	15.700	17.020	4709	8147	0.0421	0.04
Aroclor-1254	9.847	10.727	13575	21823	2.44	2.
	10.197	10.857	12201	24659	2.42	2.
	11.000	11.627	17828	16747	2.53	2.
	11.453	12.053	11844	24445	2.48	2.
	11.693	12.330	6872	14521	2.47	2.
Average of Peak Amounts =					2.47	2.

980121F.B/E1A4351F.D

Instrument: E1.i

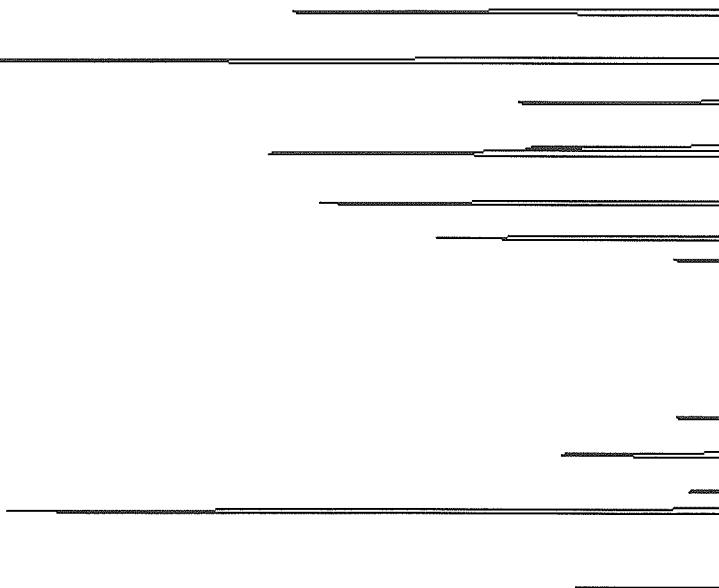
,,an1660,.sub

Operator: sph

Column diameter: 0.53

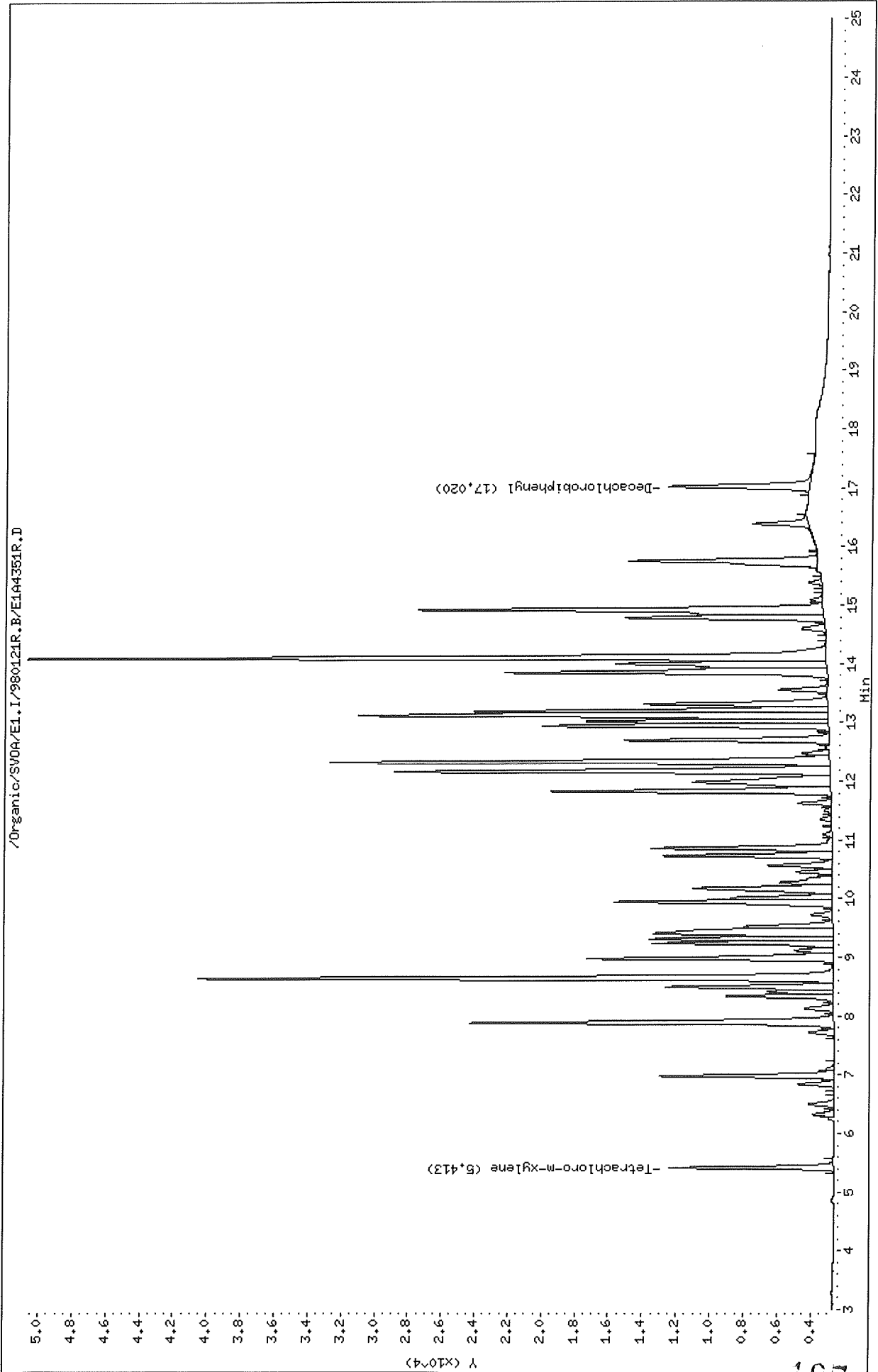
/Organic/SV0A/E1.I/980121F.B/E1A4351F.D

1,2-dibromobenzene (15.700)



Data File: /Organic/SV0A/E1.I/980121R.B/E1A4351R.D  
Date: 21-JAN-1998 11:07  
Client ID: AR1660GA  
Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



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Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4351F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4351R.D  
 Inj Date : 21-JAN-1998 11:07  
 Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
 Misc Info : 2  
 Cal Date : 21-JAN-1998 15:07  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-1701

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.413	4408	9812	0.0408	0.0430		100.00 (a)
Aroclor-1016	6.227	6.977	5364	10404	2.14	2.13	80.00- 120.00	100.00
	7.037	7.887	10907	21729	2.18	2.12	183.19- 223.19	203.34
	8.213	8.643	7908	37883	2.21	2.17	126.96- 166.96	147.43
	Average of Peak Amounts =				2.18	2.14		
Decachlorobiphenyl	15.700	17.020	4901	8369	0.0438	0.0443		100.00 (a)
Aroclor-1260	12.903	13.847	10341	19158	2.32	2.24	80.00- 120.00	100.00
	13.413	14.097	21943	47604	2.47	2.17	192.08- 232.08	212.19
	14.007	14.923	15448	24177	2.43	2.20	129.46- 169.46	149.39
	Average of Peak Amounts =				2.41	2.20		

GL  
1/22/98

Data File: \Organic\SVOA\E1.I\980121F.B\E1A4351F.D  
Report Date: 22-Jan-1998 09:49

QC Flag Legend

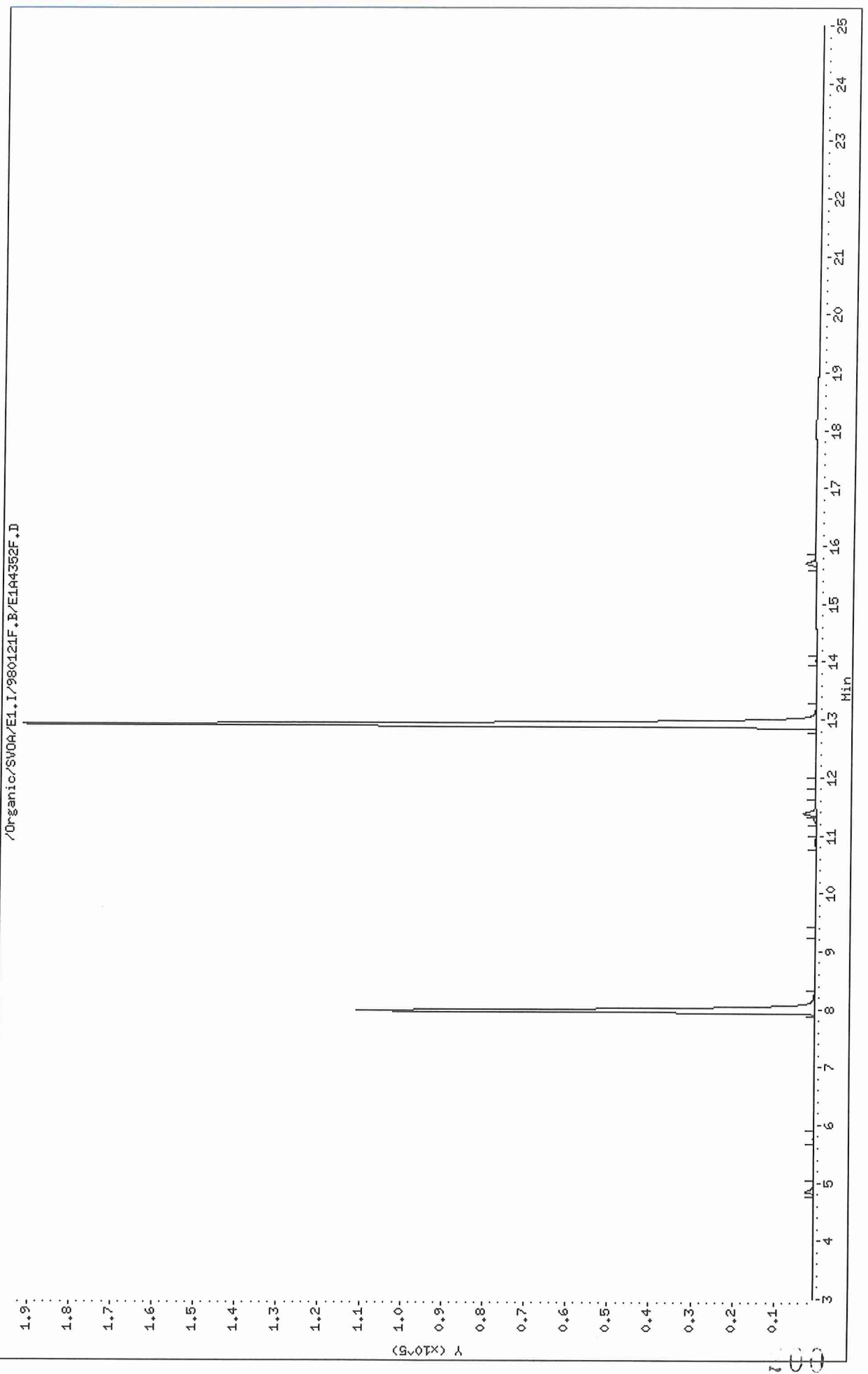
a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

GL  
1/22/98



Data File: /Organic/SV04/E1.I/980121F.B/E1A4352F.D  
Date : 21-JAN-1998 11:35  
Client ID: CONGA  
Sample Info: CONGA,CONGA,cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

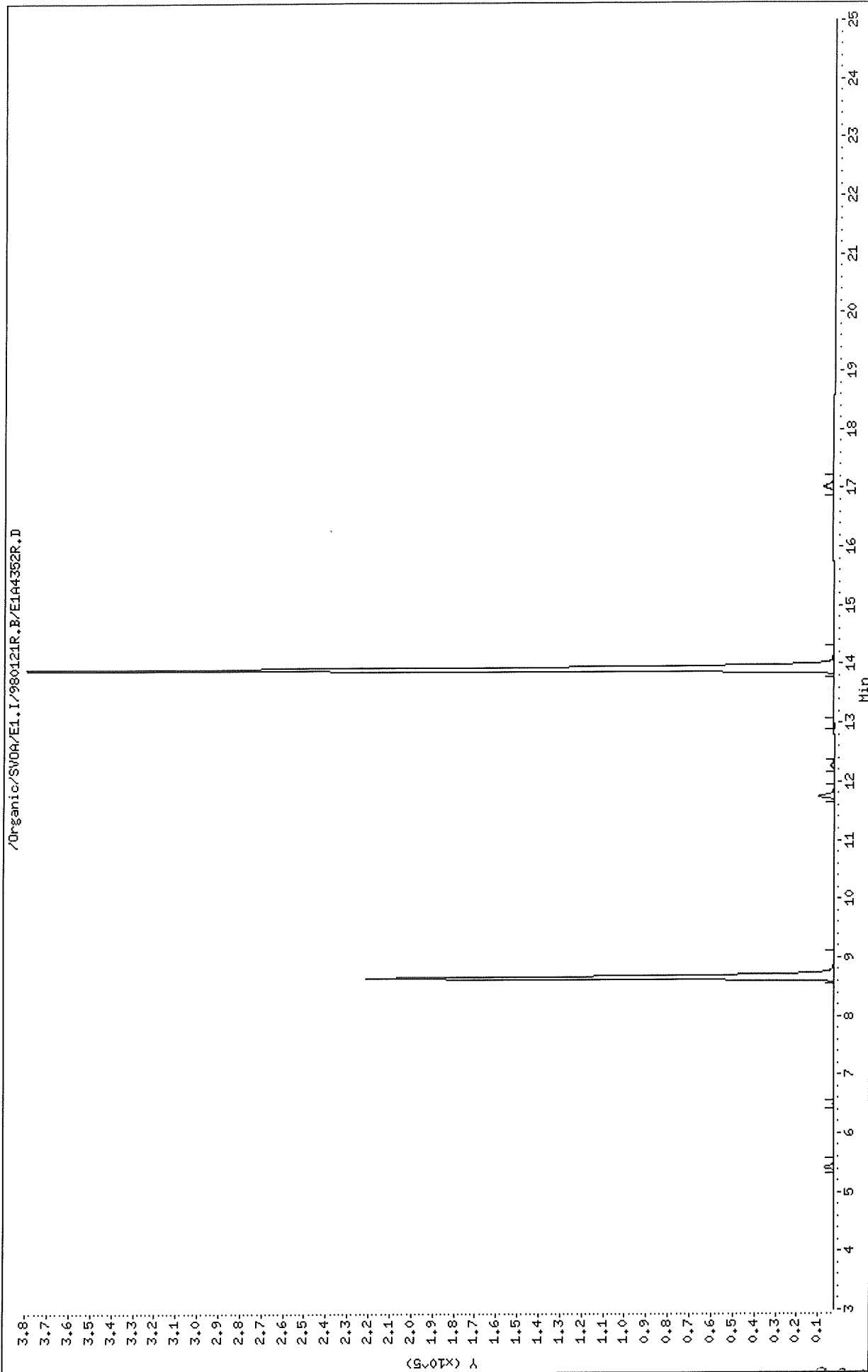
Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



/Organic/SV04/E1.I/980121F.B/E1A4352F.D

Data File: /Organic/SV04/E1.I/980121R.B/E1A4352R.D  
Date : 21-JAN-1998 11:35  
Client ID: CONGA  
Sample Info: CONGA,CONGA,cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4352F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4352R.D  
 Inj Date : 21-JAN-1998 11:35  
 Sample Info: CONGA, CONGA, cog.sub  
 Misc Info : ,3  
 Cal Date : 22-JAN-1998 09:15  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980120R.B\E1\_PCB\_R.M  
 Sub List #1 : cog.sub  
 Sub List #2 : cog.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

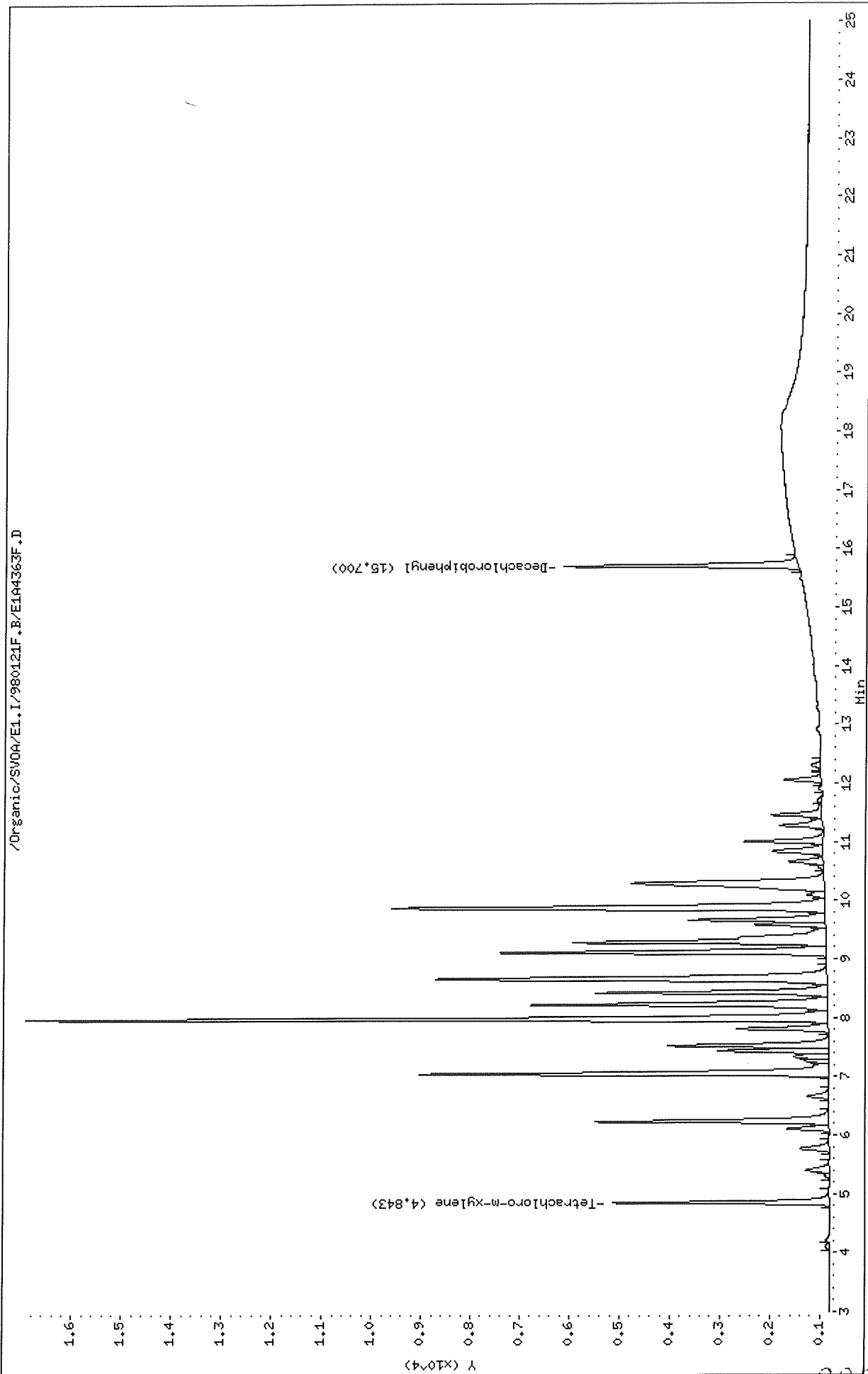
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
2,4,4'-Trichlorobiphenyl	7.963	8.650	110652	218517	2.08	2.1		100.00
Hexachlorobiphenyl	12.900	13.907	191288	377020	2.14	2.1		100.00

*GL*  
*1/22/98*

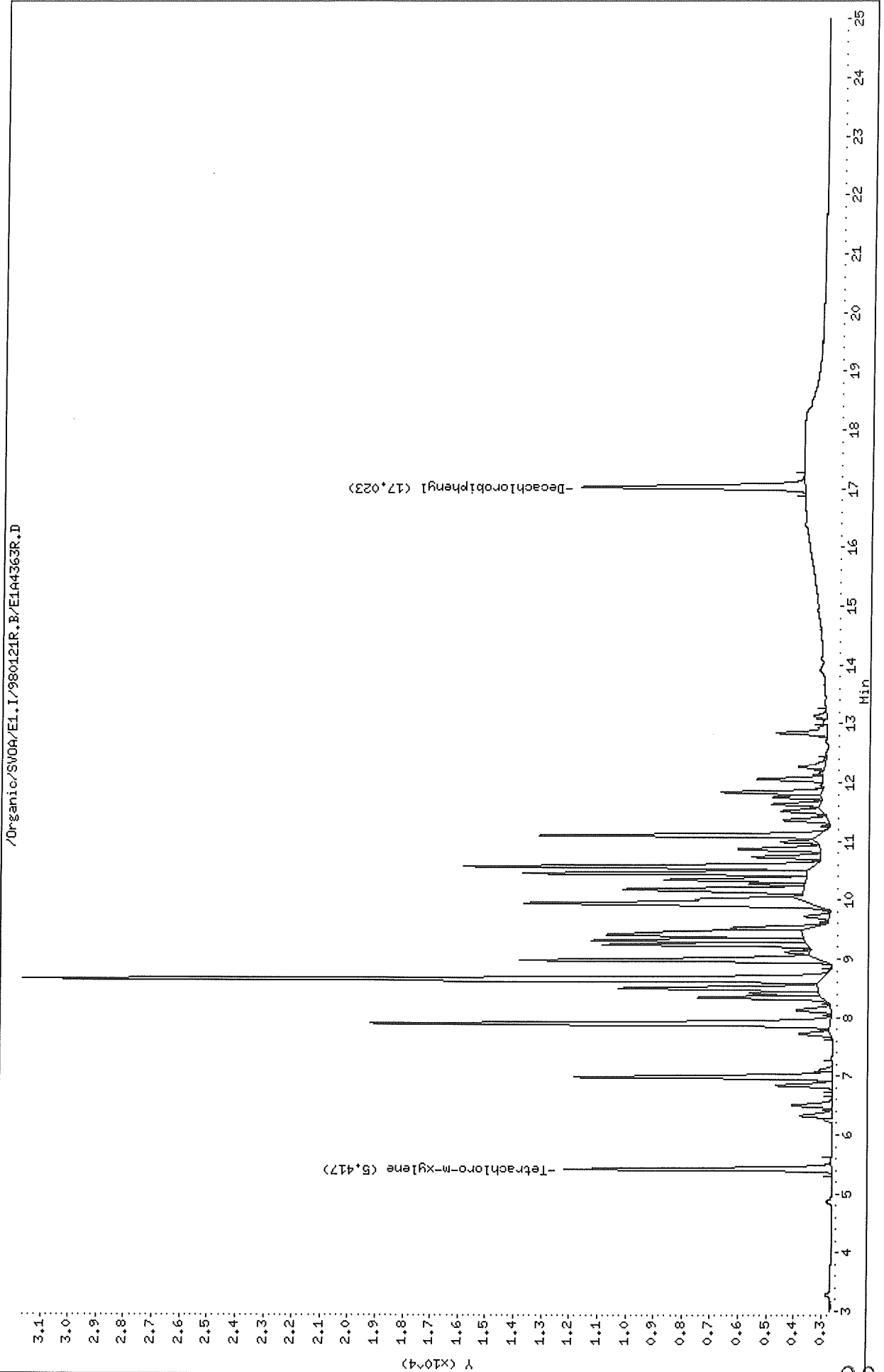
Data File: /Organic/SV00A/E1.I/980121F.B/E1A4363F.D  
Date : 21-JAN-1998 16:42  
Client ID: AR1242G3  
Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SU0A/E1.I/980121R.B/E1A4363R.D  
Date : 21-JAN-1998 16:42  
Client ID: AR1242G3  
Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
Volume Injected (ul): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4363F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4363R.D  
 Inj Date : 21-JAN-1998 16:42  
 Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4334	9544	0.0402	0.0418		100.00(a)
Aroclor-1242	6.227	6.977	4669	9212	2.19	2.16	80.00- 120.00	100.00
	7.037	7.887	8218	16497	2.26	2.12	156.78- 196.78	176.01
	7.963	8.643	16081	28615	2.32	2.14	325.08- 365.08	344.42
	8.213	8.977	5913	10775	2.28	2.07	106.46- 146.46	126.64
	8.417	9.240	4616	7323	2.27	1.91	78.44- 118.44	98.86
	Average of Peak Amounts =				2.26	2.08		
Decachlorobiphenyl	15.700	17.023	4688	7961	0.0419	0.0422		100.00(a)

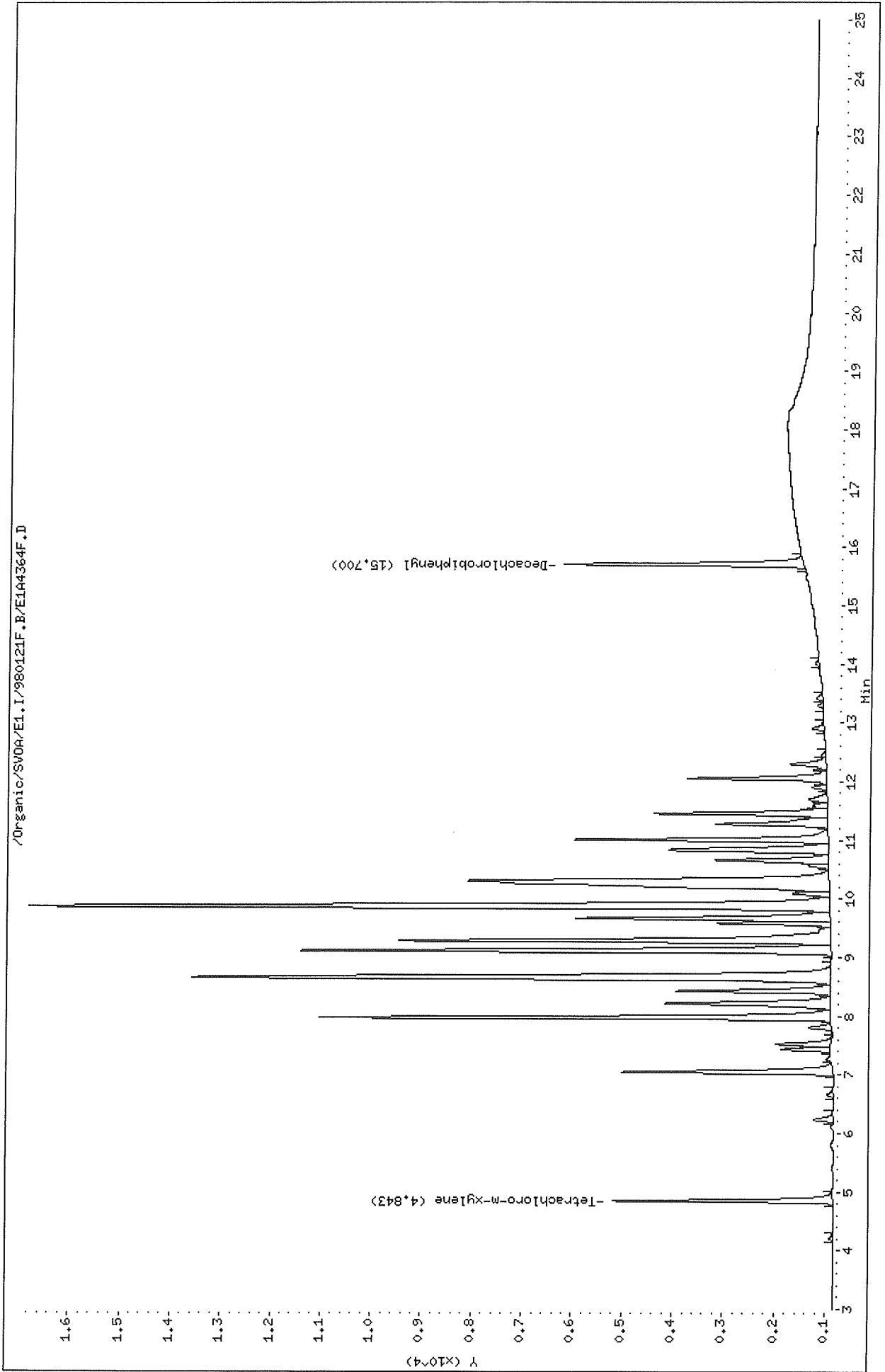
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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*1/22-198*

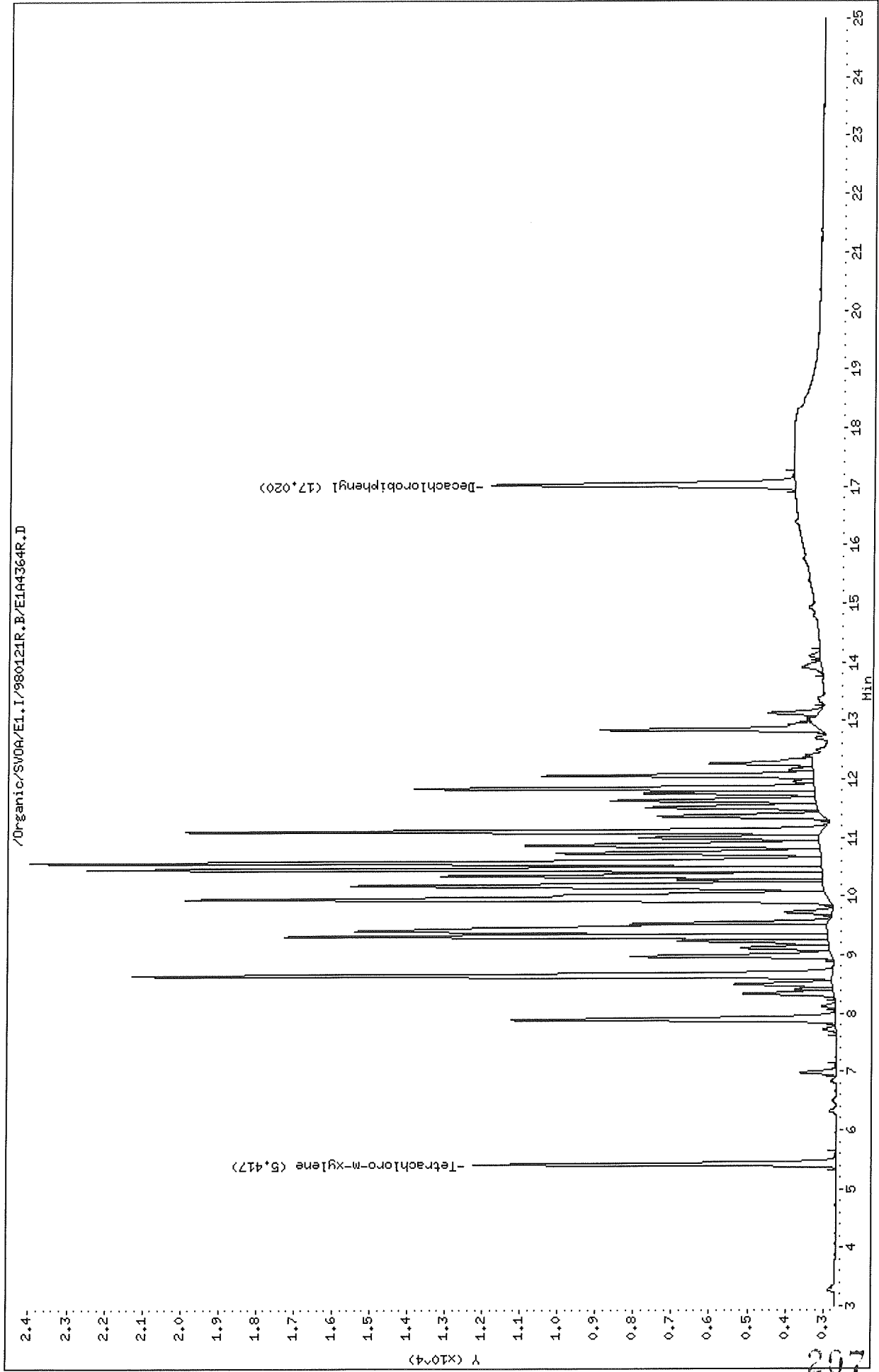
Data File: /Organic/SV00A/E1.I/980121F.B/E1A4364F.D  
Date : 21-JAN-1998 17:10  
Client ID: AR1248GA  
Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: EI.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV04/E1.I/980121R.B/E1A4364R.D  
Date : 21-JAN-1998 17:10  
Client ID: AR1248CA  
Sample Info: AR1248CA,AR1248CA,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53





Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4364F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4364R.D  
 Inj Date : 21-JAN-1998 17:10  
 Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4345	9596	0.0403	0.0421		100.00 (a)
Aroclor-1248	7.963	10.450	10142	19432	2.24	2.10	80.00- 120.00	100.00
	8.653	10.727	12684	6967	2.28	2.07	104.75- 144.75	125.06
	9.103	11.097	10516	16814	2.35	2.13	83.20- 123.20	103.69
	Average of Peak Amounts =				2.29	2.10		
Decachlorobiphenyl	15.700	17.020	4741	8008	0.0424	0.0424		100.00 (a)

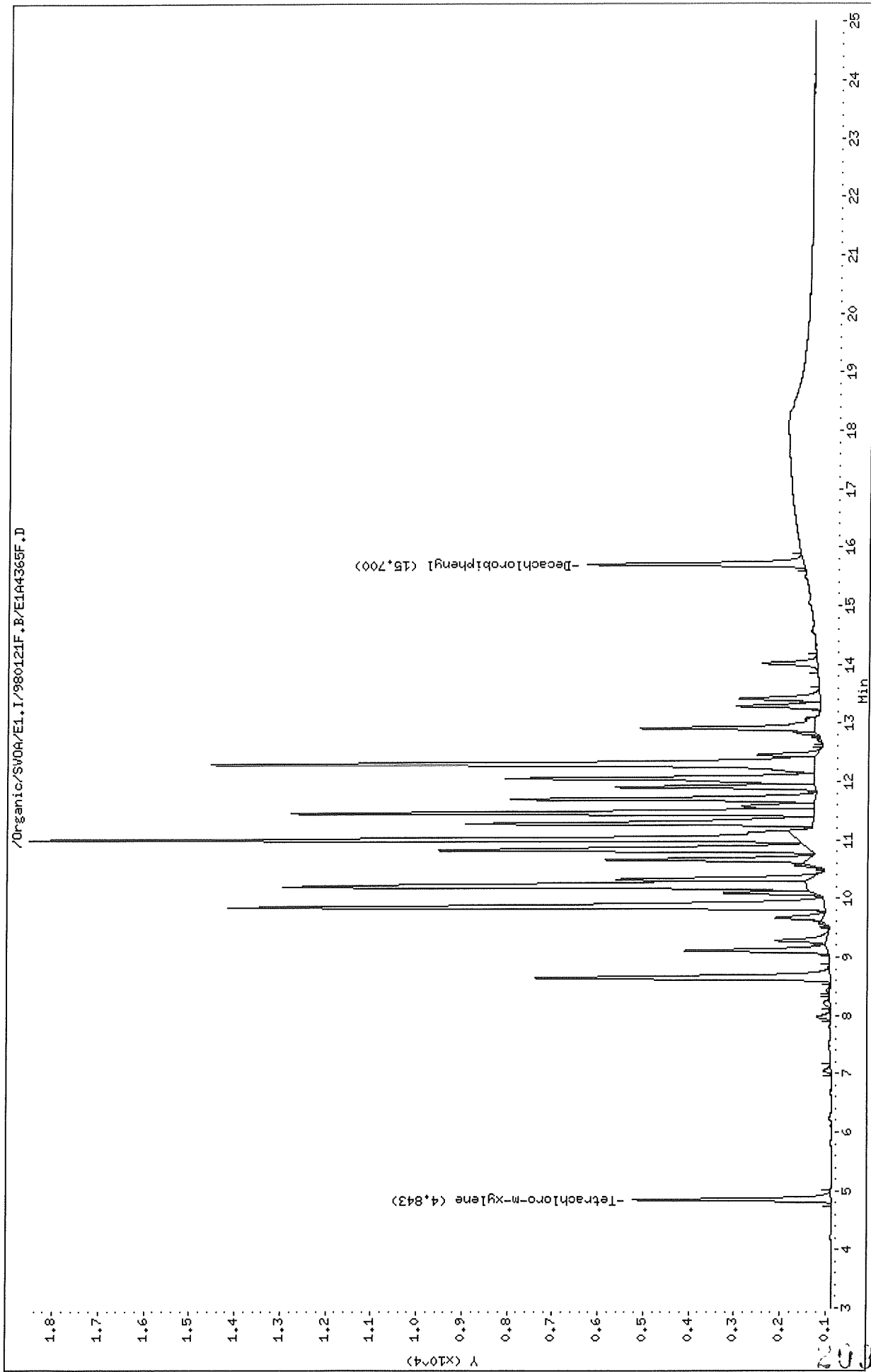
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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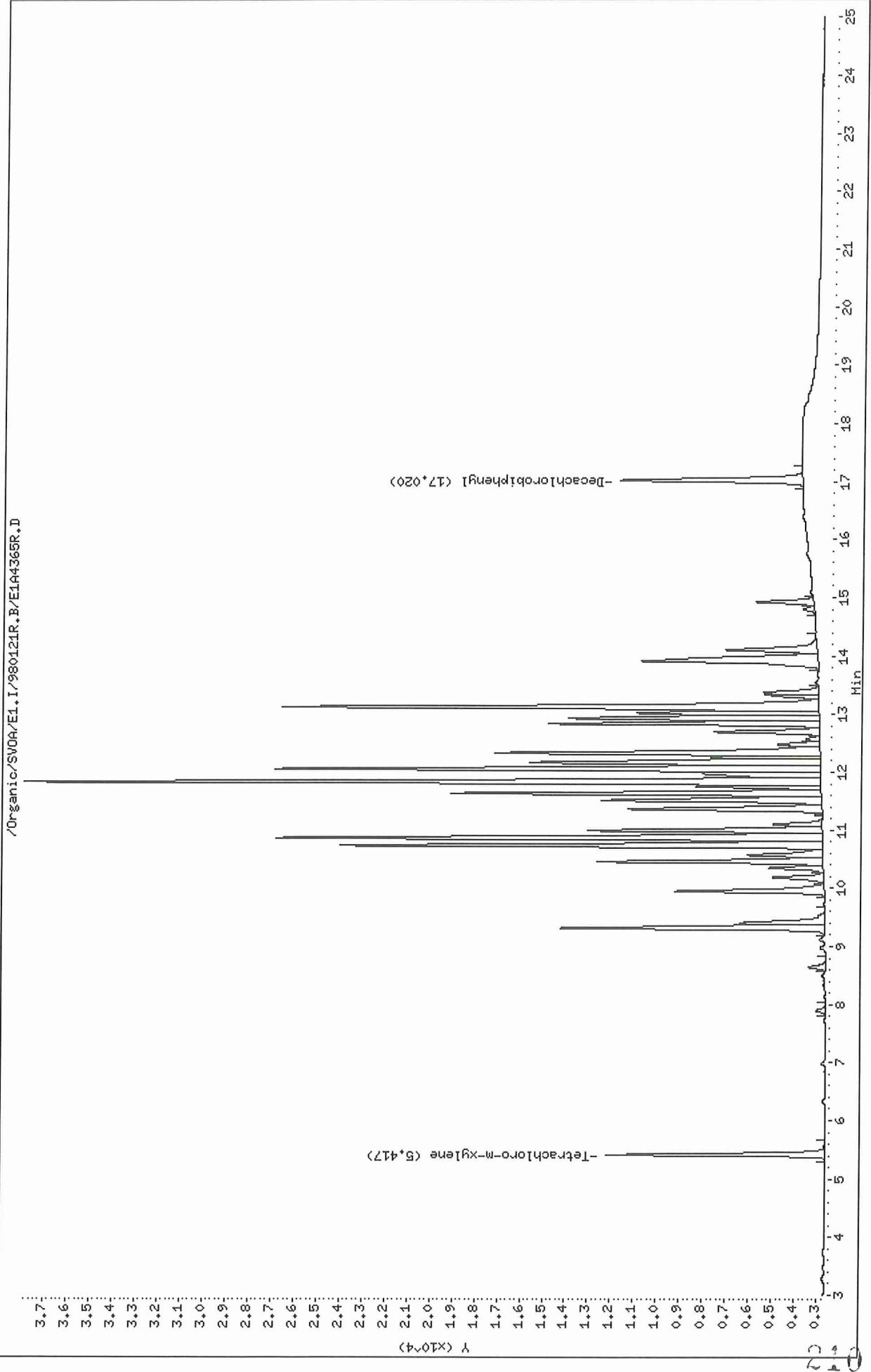
Data File: /Organic/SV00A/E1.I/980121F.B/E1A4365F.D  
Date : 21-JAN-1998 17:38  
Client ID: AR1254GA  
Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4365R.D  
Date : 21-JAN-1998 17:38  
Client ID: AR1254GA  
Sample Info: AR1254GA,AR1254GA,AR1254GA,ar1254.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4365F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4365R.D  
 Inj Date : 21-JAN-1998 17:38  
 Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4335	9521	0.0402	0.0417		100.00 (a)
Dibromobiphenyl	15.700	17.020	4750	7922	0.0425	0.0420		100.00 (a)
Aroclor-1254	9.847	10.727	13110	21160	2.36	2.14	80.00- 120.00	100.00
	10.197	10.857	11523	23999	2.29	2.13	69.61- 109.61	87.89
	11.000	11.627	16883	16226	2.40	2.17	111.14- 151.14	128.78
	11.453	12.053	11480	23925	2.40	2.16	67.93- 107.93	87.57
	11.690	12.330	6681	14214	2.40	2.19	31.91- 71.91	50.96
Average of Peak Amounts =					2.37	2.16		

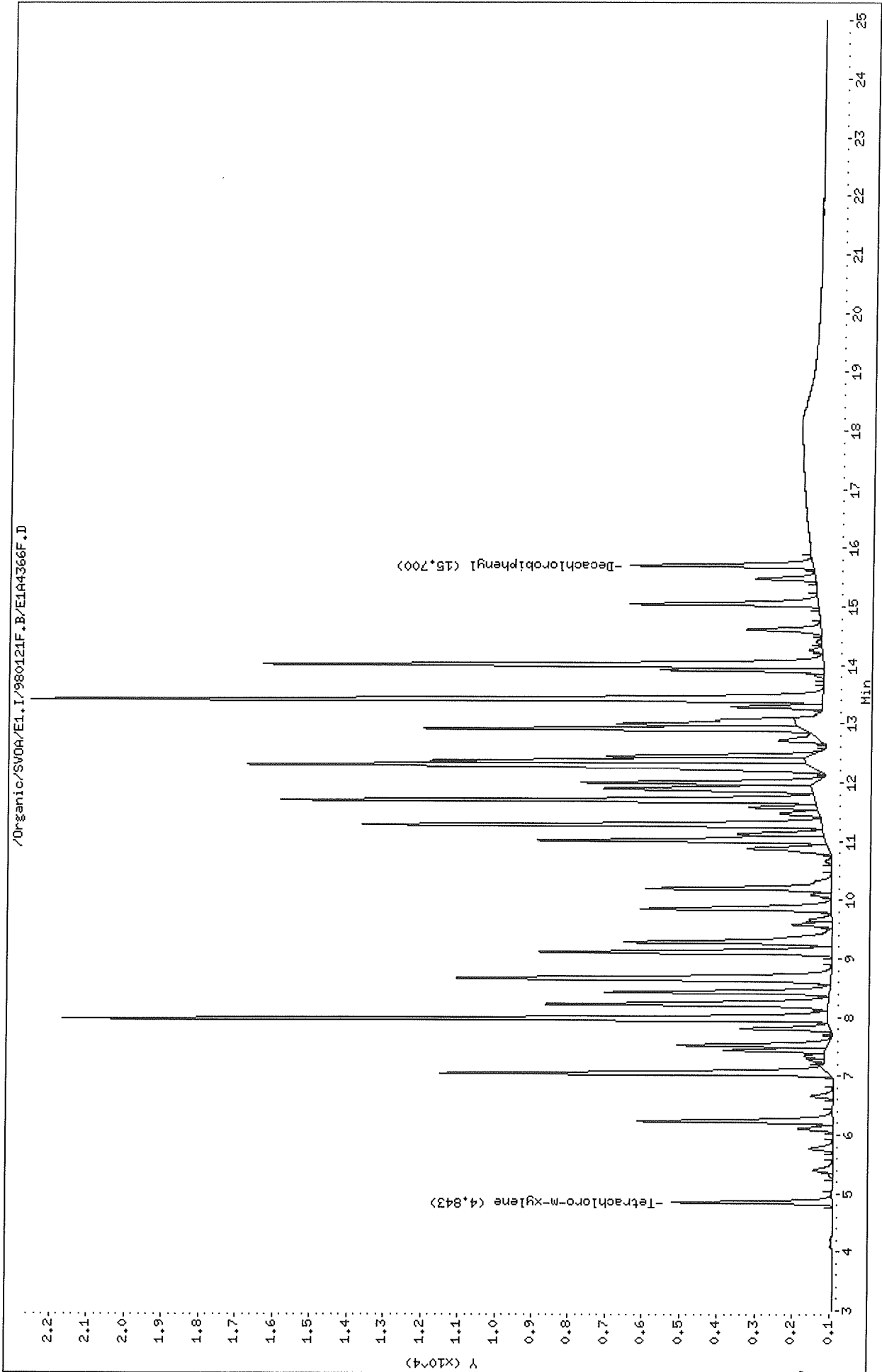
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

*GC*  
*1/22/98*

Data File: /Organic/SV00A/E1.I/980121F.B/E1A4366F.D  
Date : 21-JAN-1998 18:06  
Client ID: AR1660GA  
Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

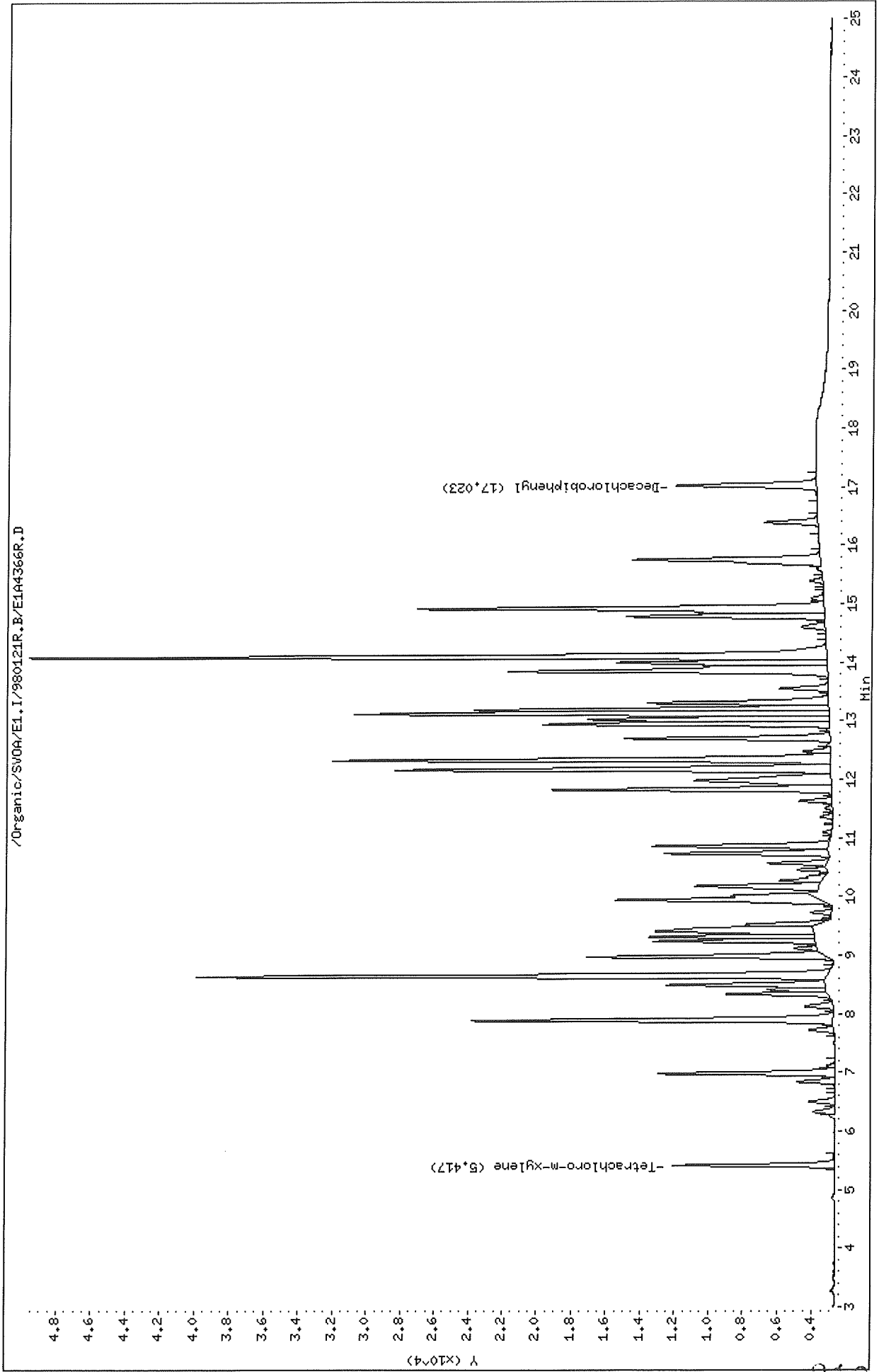
Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



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Data File: /Organic/SV00A/E1.I/980121R.B/E1A4366R.D  
Date : 21-JAN-1998 18:06  
Client ID: AR1660GA  
Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4366F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4366R.D  
 Inj Date : 21-JAN-1998 18:06  
 Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:40  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4286	9427	0.0397	0.0413		100.00(a)
Aroclor-1016	6.227	6.977	5232	10254	2.09	2.10	80.00- 120.00	100.00
	7.037	7.890	10448	21030	2.08	2.05	183.19- 223.19	199.69
	8.213	8.643	7578	36698	2.12	2.10	126.96- 166.96	144.84
	Average of Peak Amounts =				2.10	2.08		
Decachlorobiphenyl	15.700	17.023	4890	8198	0.0437	0.0434		100.00(a)
Aroclor-1260	12.903	13.850	10158	18593	2.28	2.18	80.00- 120.00	100.00
	13.413	14.100	21304	46488	2.40	2.12	192.08- 232.08	209.73
	14.007	14.923	15080	23703	2.37	2.16	129.46- 169.46	148.45
	Average of Peak Amounts =				2.35	2.15		

GL  
 1/22/98

Data File: \Organic\SVOA\E1.I\980121F.B\E1A4366F.D  
Report Date: 22-Jan-1998 09:50

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

GL  
1/22/98



Data File: /Organic/SV00A/E1.I/980121F.B/E1A4367F.D

Date : 21-JAN-1998 18:34

Client ID: CONGA

Sample Info: CONGA,CONGA,cog.sub

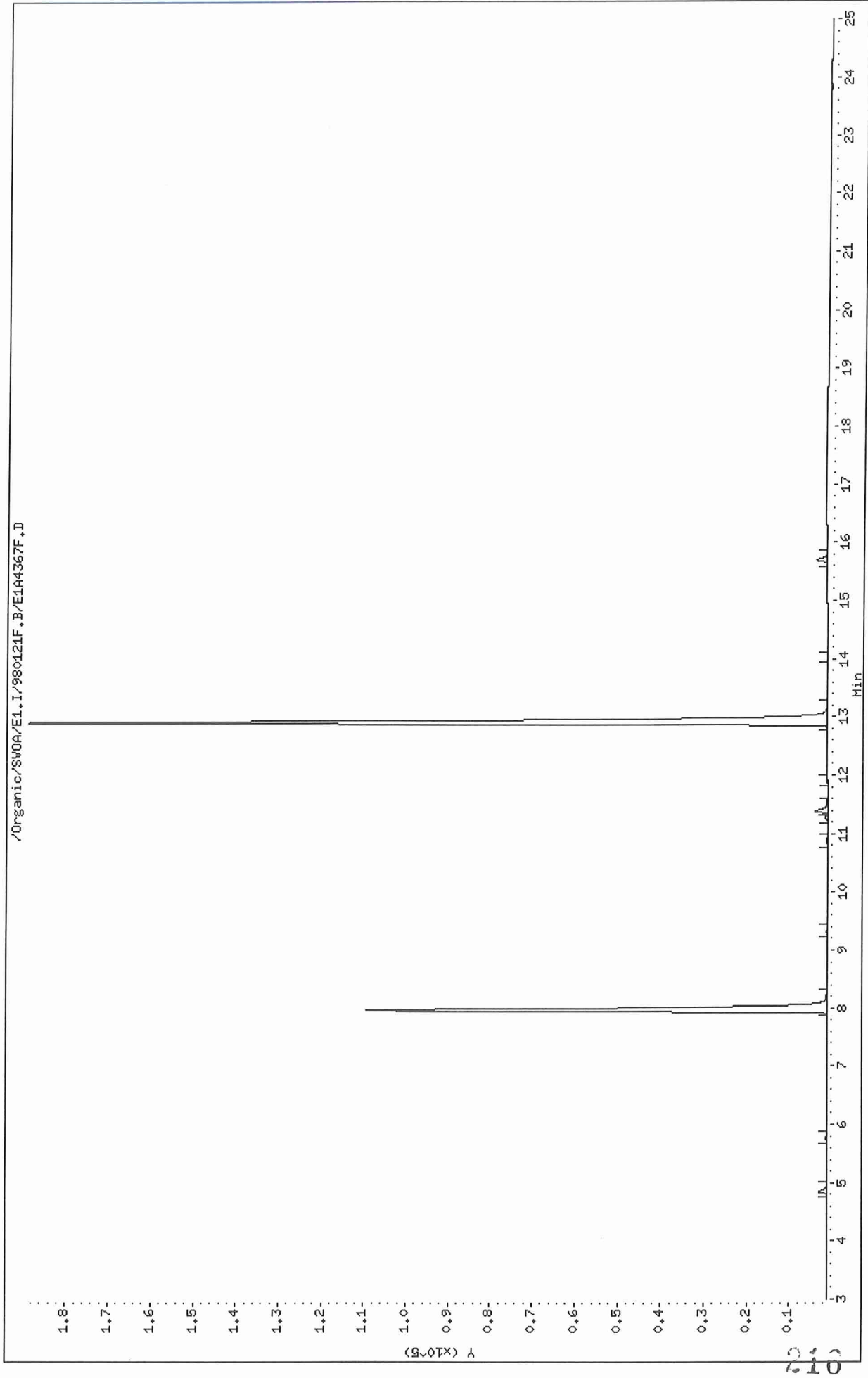
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980121R.B/E1A4367R.D

Date : 21-JAN-1998 18:34

Client ID: CONGA

Sample Info: CONGA,CONGA,cong.sub

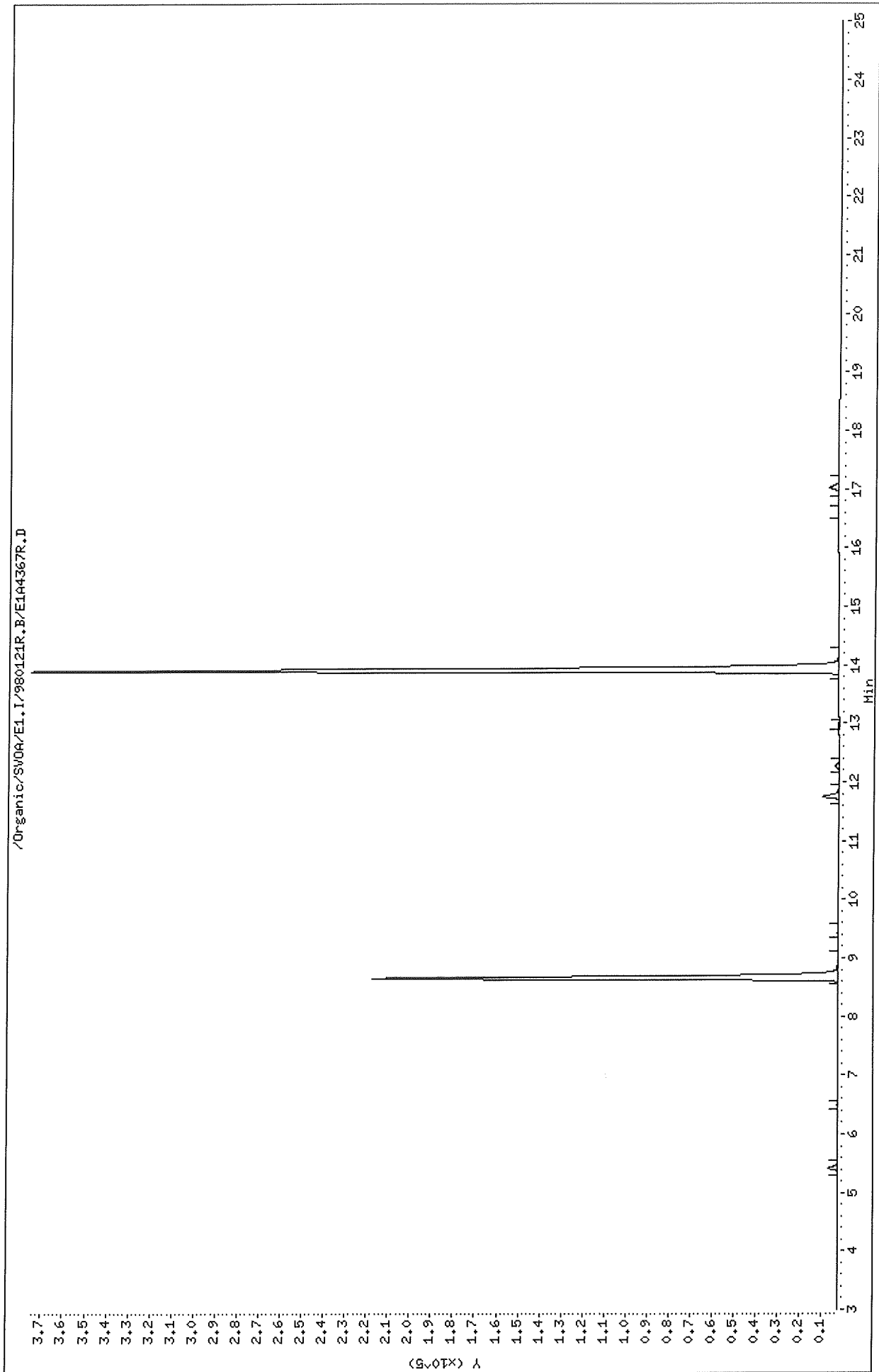
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E1.i

Operator: sph

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4367F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4367R.D  
 Inj Date : 21-JAN-1998 18:34  
 Sample Info: CONGA, CONGA, cog.sub  
 Misc Info : ,3  
 Cal Date : 22-JAN-1998 09:15  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : cog.sub  
 Sub List #2 : cog.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
2,4,4'-Trichlorobiphenyl	7.967	8.653	108402	214666	2.03	2.04		100.00
Hexachlorobiphenyl	12.900	13.907	187774	372695	2.10	2.11		100.00

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Data File: /Organic/SV004/E1.I/980121F.B/E1A4373F.D

Date : 21-JAN-1998 21:21

Client ID: AR1242G3

Sample Info: AR1242G3,AR1242G3,,ar1242.sub

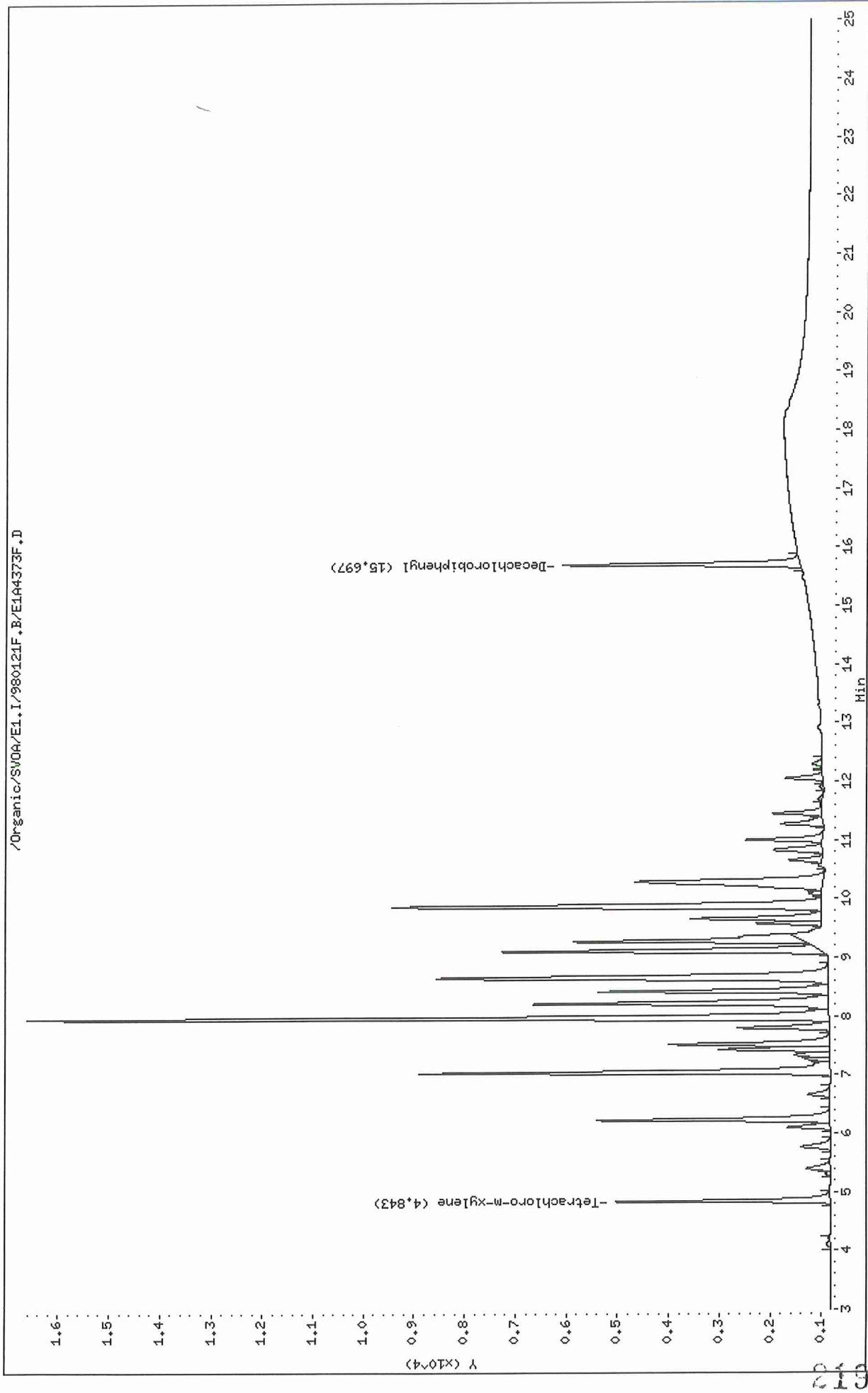
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

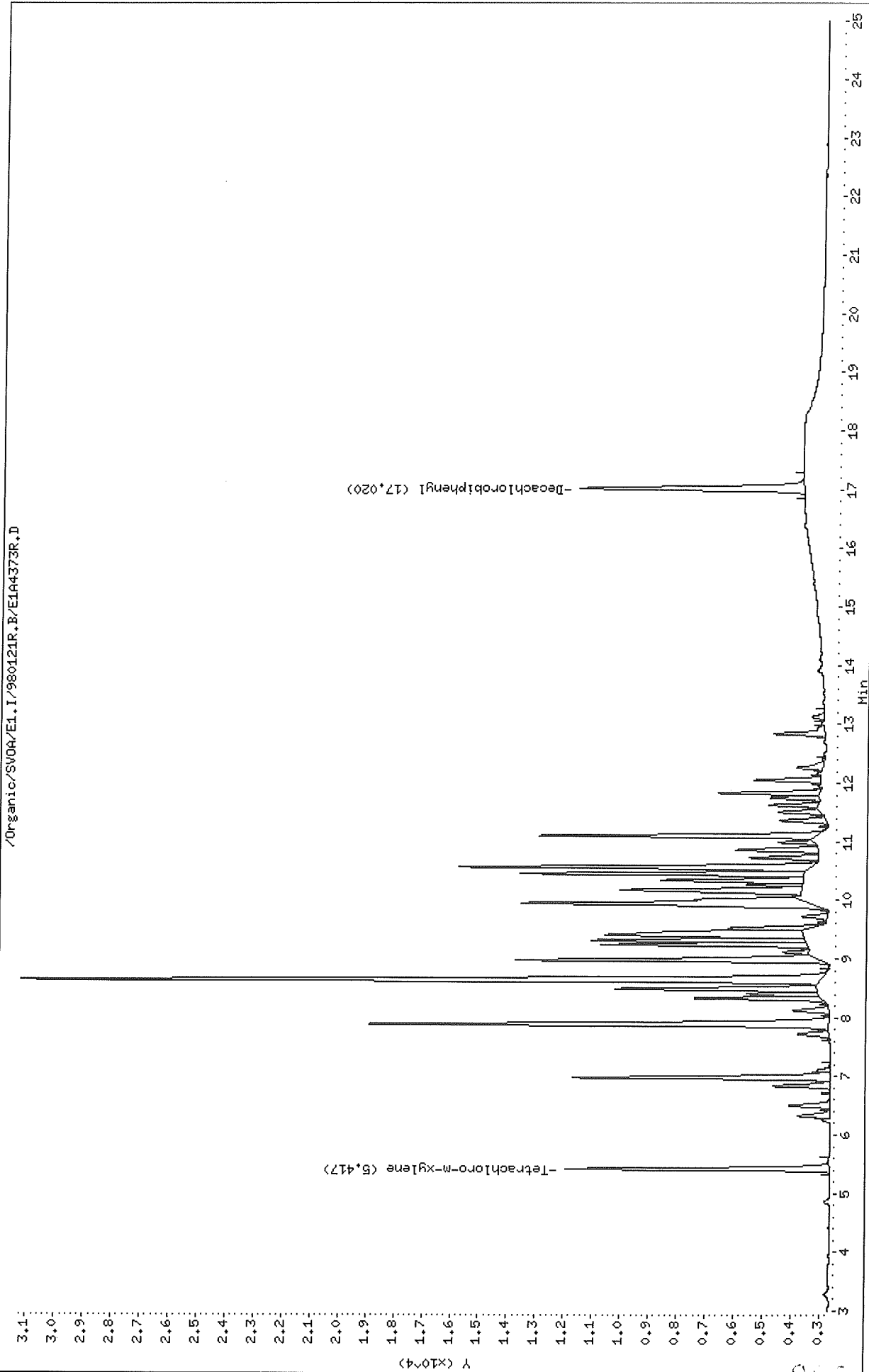
Operator: sph

Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4373R.D  
Date : 21-JAN-1998 21:21  
Client ID: AR1242G3  
Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4373F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4373R.D  
 Inj Date : 21-JAN-1998 21:21  
 Sample Info: AR1242G3,AR1242G3,,ar1242.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:41  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1242.sub  
 Sub List #2 : ar1242.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4201	9320	0.0389	0.0408		100.00 (a)
Aroclor-1242	6.227	6.977	4565	9053	2.14	2.12	80.00- 120.00	100.00
	7.037	7.887	8070	16191	2.22	2.08	156.78- 196.78	176.78
	7.967	8.643	15753	28211	2.28	2.11	325.08- 365.08	345.08
	8.213	8.973	5773	10726	2.23	2.06	106.46- 146.46	126.46
	8.417	9.240	4494	7267	2.21	1.90	78.44- 118.44	98.44
	Average of Peak Amounts =				2.22	2.05		
Decachlorobiphenyl	15.697	17.020	4668	7915	0.0417	0.0419		100.00 (a)

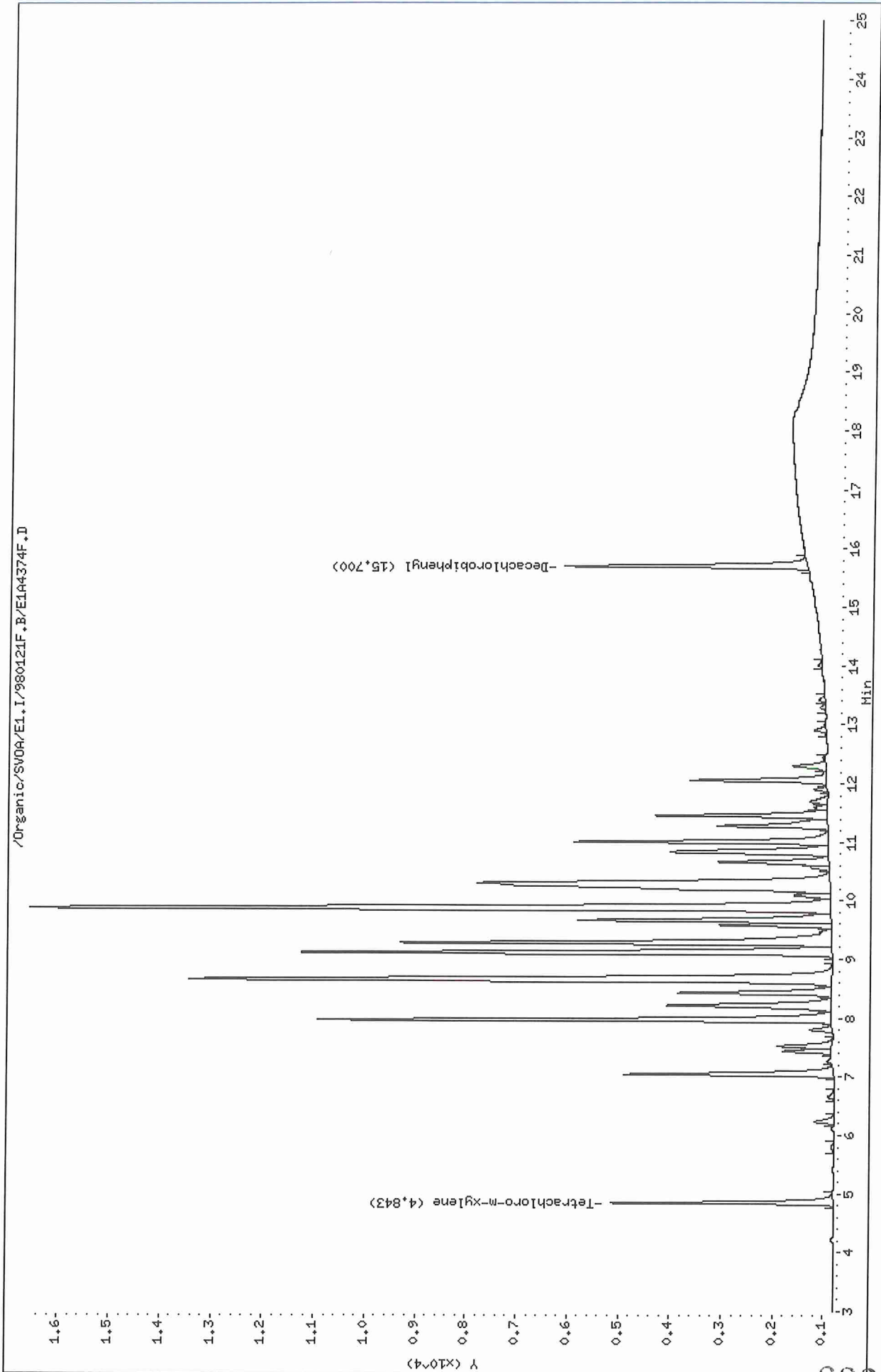
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation (BLOQ).

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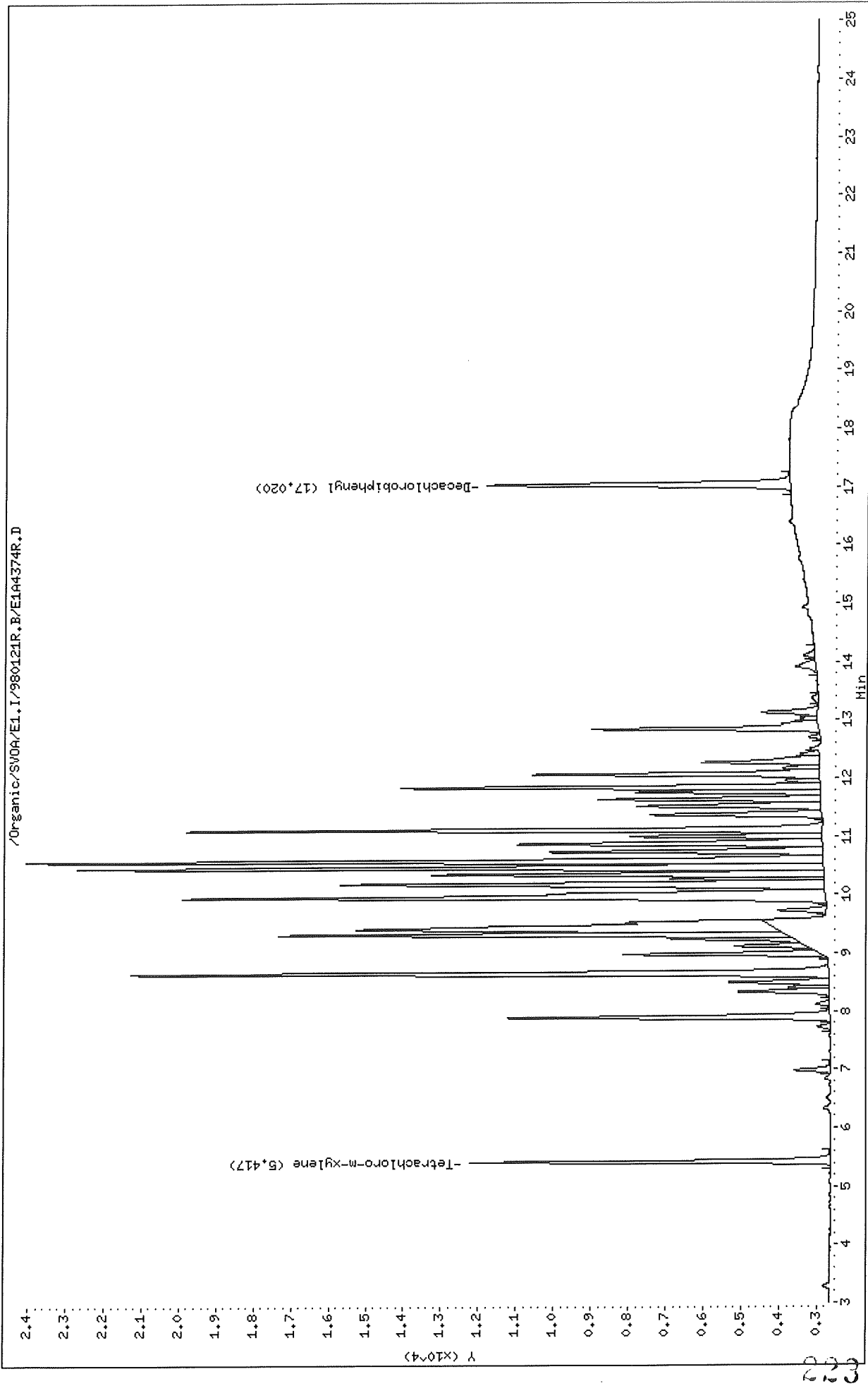
Data File: /Organic/SV00A/E1.I/980121F.B/E1A4374F.D  
Date : 21-JAN-1998 21:49  
Client ID: AR1248GA  
Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4374R.D  
Date : 21-JAN-1998 21:49  
Client ID: AR1248GA  
Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53





Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4374F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4374R.D  
 Inj Date : 21-JAN-1998 21:49  
 Sample Info: AR1248GA,AR1248GA,,ar1248.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:41  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1248.sub  
 Sub List #2 : ar1248.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4332	9596	0.0401	0.0421		100.00 (a)
Aroclor-1248	7.967	10.450	10090	19887	2.23	2.15	80.00- 120.00	100.00
	8.653	10.730	12587	7259	2.26	2.16	104.75- 144.75	124.75
	9.103	11.097	10413	16939	2.32	2.14	83.20- 123.20	103.20
	Average of Peak Amounts =				2.27	2.15		
Decachlorobiphenyl	15.700	17.020	4724	8047	0.0422	0.0426		100.00 (a)

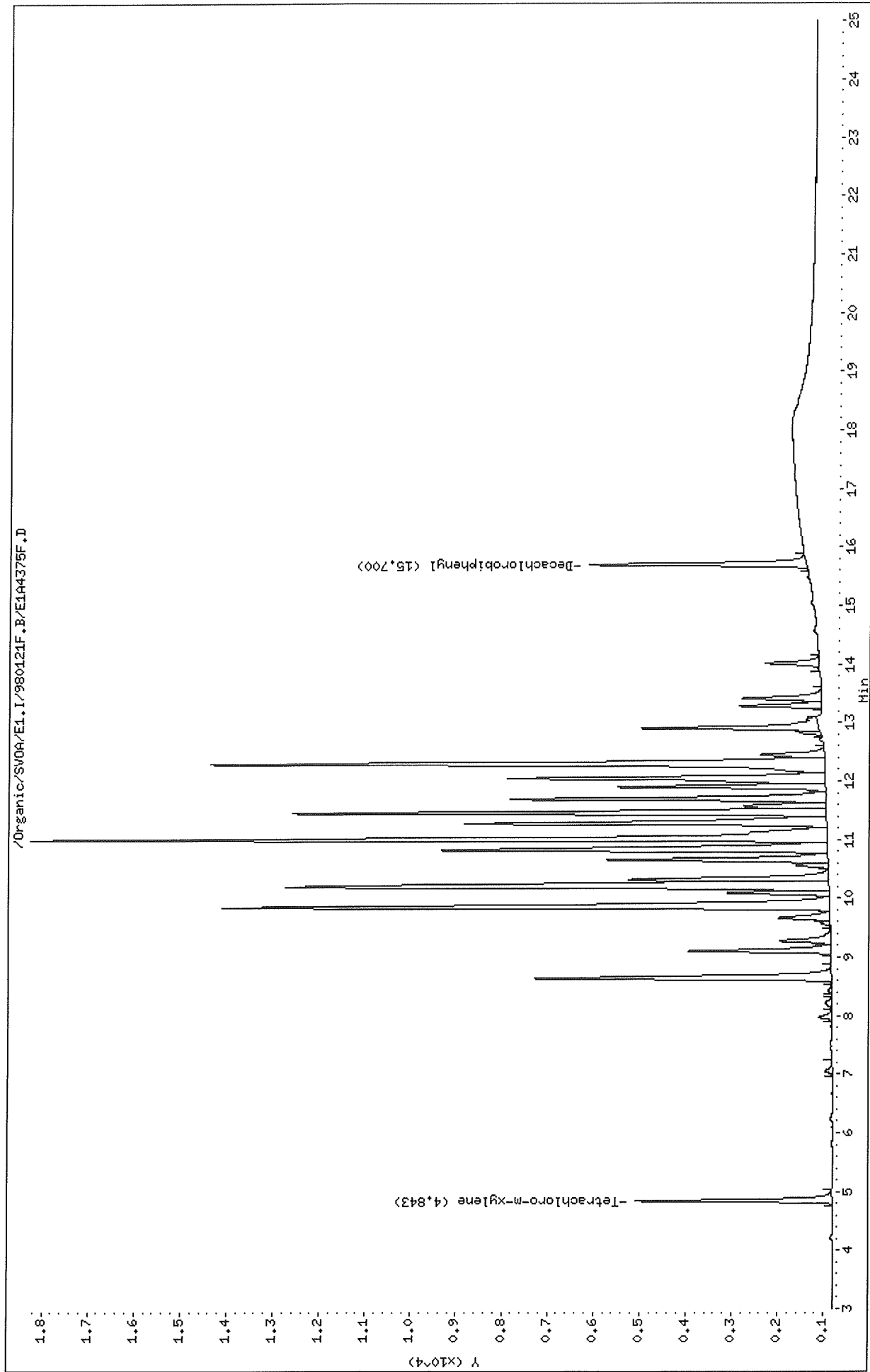
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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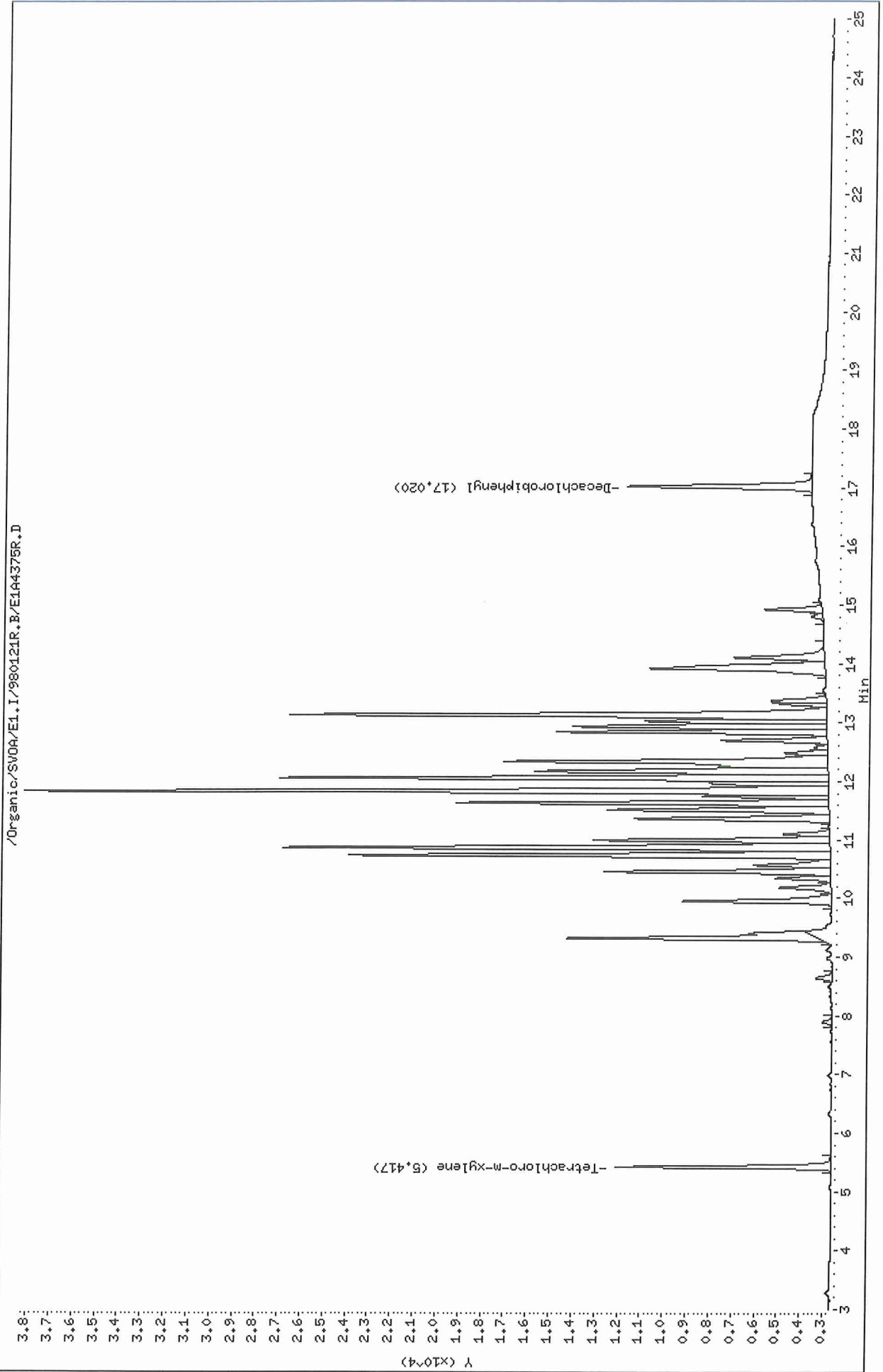
Data File: /Organic/SV0A/E1.I/980121F.B/E1A4375F.D  
Date : 21-JAN-1998 22:17  
Client ID: AR1254GA  
Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV00A/E1.I/980121R.B/E1A4375R.D  
Date : 21-JAN-1998 22:17  
Client ID: AR1254GA  
Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.1  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4375F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4375R.D  
 Inj Date : 21-JAN-1998 22:17  
 Sample Info: AR1254GA,AR1254GA,,ar1254.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:41  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1254.sub  
 Sub List #2 : ar1254.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4269	9449	0.0396	0.0414		100.00 (a)
Dibachlorobiphenyl	15.700	17.020	4711	8083	0.0421	0.0428		100.00 (a)
Aroclor-1254	9.843	10.727	13218	21230	2.38	2.15	80.00- 120.00	100.00
	10.193	10.857	11844	24128	2.35	2.14	69.61- 109.61	89.61
	11.000	11.630	17334	16350	2.46	2.18	111.14- 151.14	131.14
	11.450	12.053	11623	24186	2.44	2.18	67.93- 107.93	87.93
	11.690	12.330	6861	14226	2.47	2.19	31.91- 71.91	51.91
Average of Peak Amounts =					2.42	2.17		

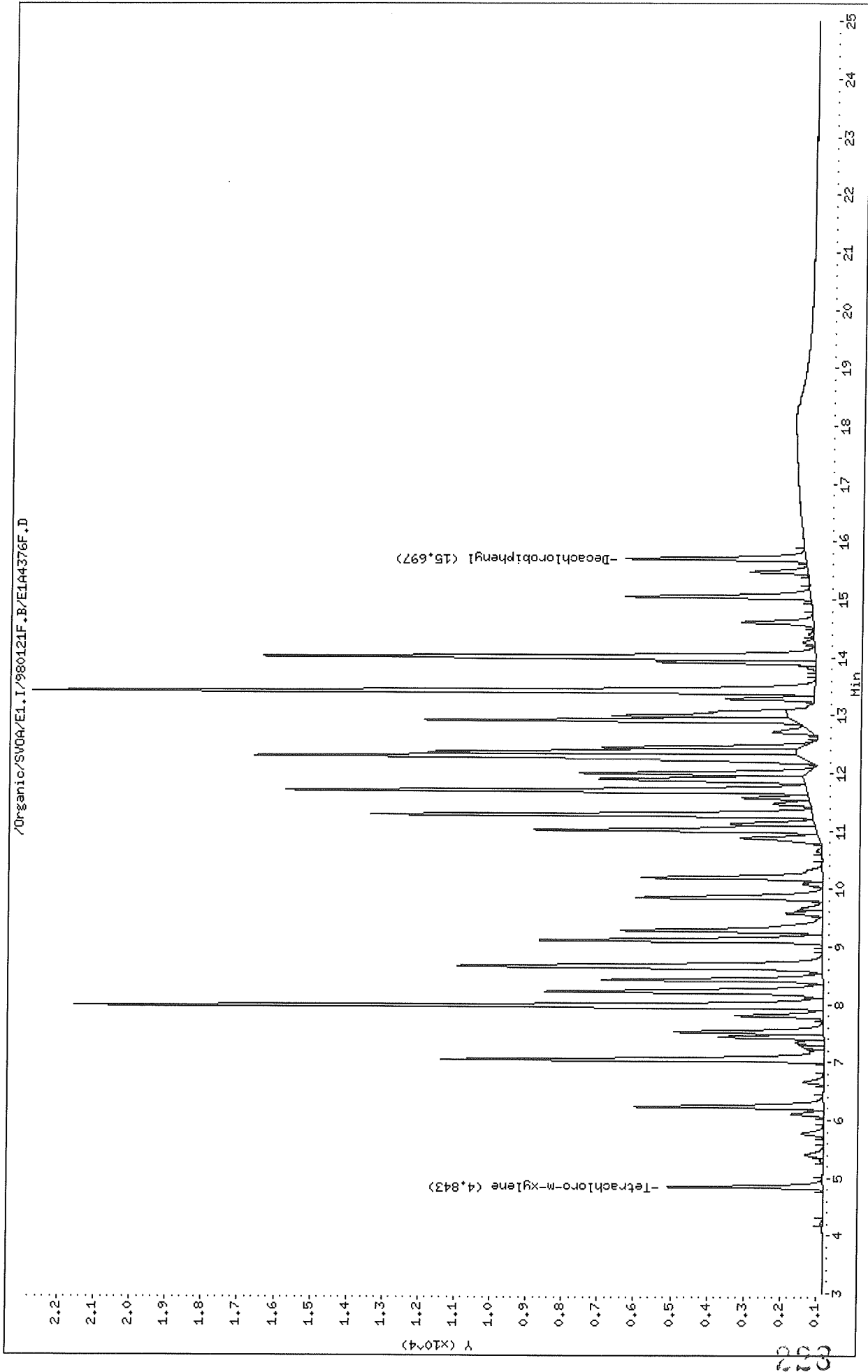
QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

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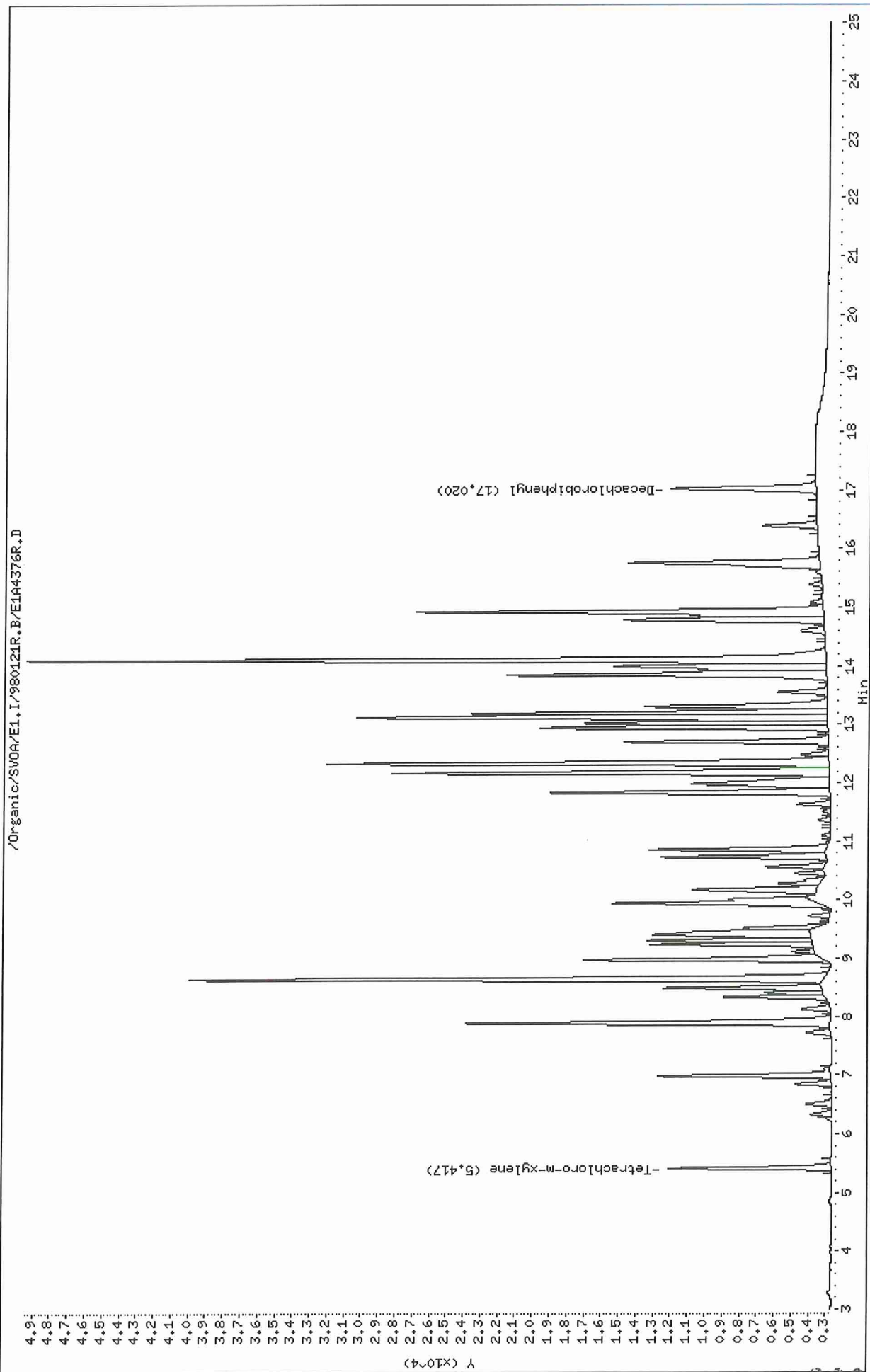
Data File: /Organic/SV00A/E1.I/980121F.B/E1A4376F.D  
Date : 21-JAN-1998 22:45  
Client ID: AR1660CA  
Sample Info: AR1660CA,AR1660CA,,ar1660.sub  
Volume Injected (uL): 2.0  
Column phase: DB-1701

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Data File: /Organic/SV0A/E1.I/980121R.B/E1A4376R.D  
Date : 21-JAN-1998 22:45  
Client ID: AR1660GA  
Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4376F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4376R.D  
 Inj Date : 21-JAN-1998 22:45  
 Sample Info: AR1660GA,AR1660GA,,ar1660.sub  
 Misc Info : 2  
 Cal Date : 22-JAN-1998 08:42  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : ar1660.sub  
 Sub List #2 : ar1660.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula:  $Amt * DF * Uf * Vt / (Vo * Vi)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	4.843	5.417	4284	9468	0.0397	0.0415		100.00 (a)
Aroclor-1016	6.227	6.977	5207	10004	2.08	2.05	80.00- 120.00	100.00
	7.037	7.890	10580	21084	2.11	2.06	183.19- 223.19	203.19
	8.213	8.643	7652	36861	2.14	2.11	126.96- 166.96	146.96
	Average of Peak Amounts =				2.11	2.07		
Decachlorobiphenyl	15.697	17.020	4942	8371	0.0442	0.0444		100.00 (a)
Aroclor-1260	12.903	13.850	10210	18508	2.29	2.17	80.00- 120.00	100.00
	13.410	14.100	21653	46371	2.44	2.11	192.08- 232.08	212.08
	14.007	14.923	15260	23581	2.40	2.14	129.46- 169.46	149.46
	Average of Peak Amounts =				2.38	2.14		

67L  
 1/22/98

Data File: \Organic\SVOA\E1.I\980121F.B\E1A4376F.D  
Report Date: 22-Jan-1998 09:52

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

CL  
1/22/98



Data File: /Organic/SV0A/E1.I/980121F.B/E1A4377F.D

Date : 21-JAN-1998 23:13

Client ID: CONGA

Sample Info: CONGA,CONGA,cog.sub

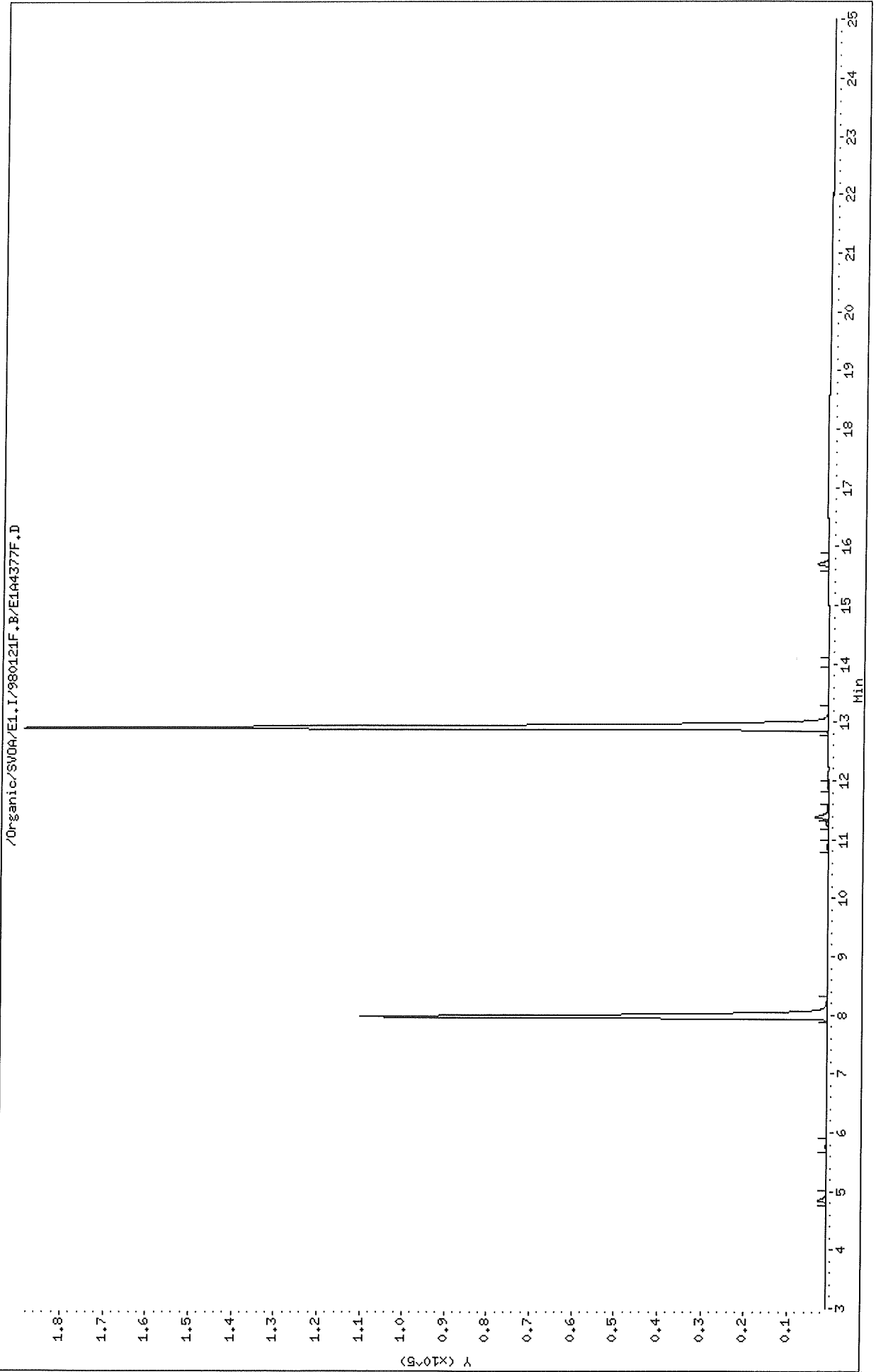
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.i

Operator: sph

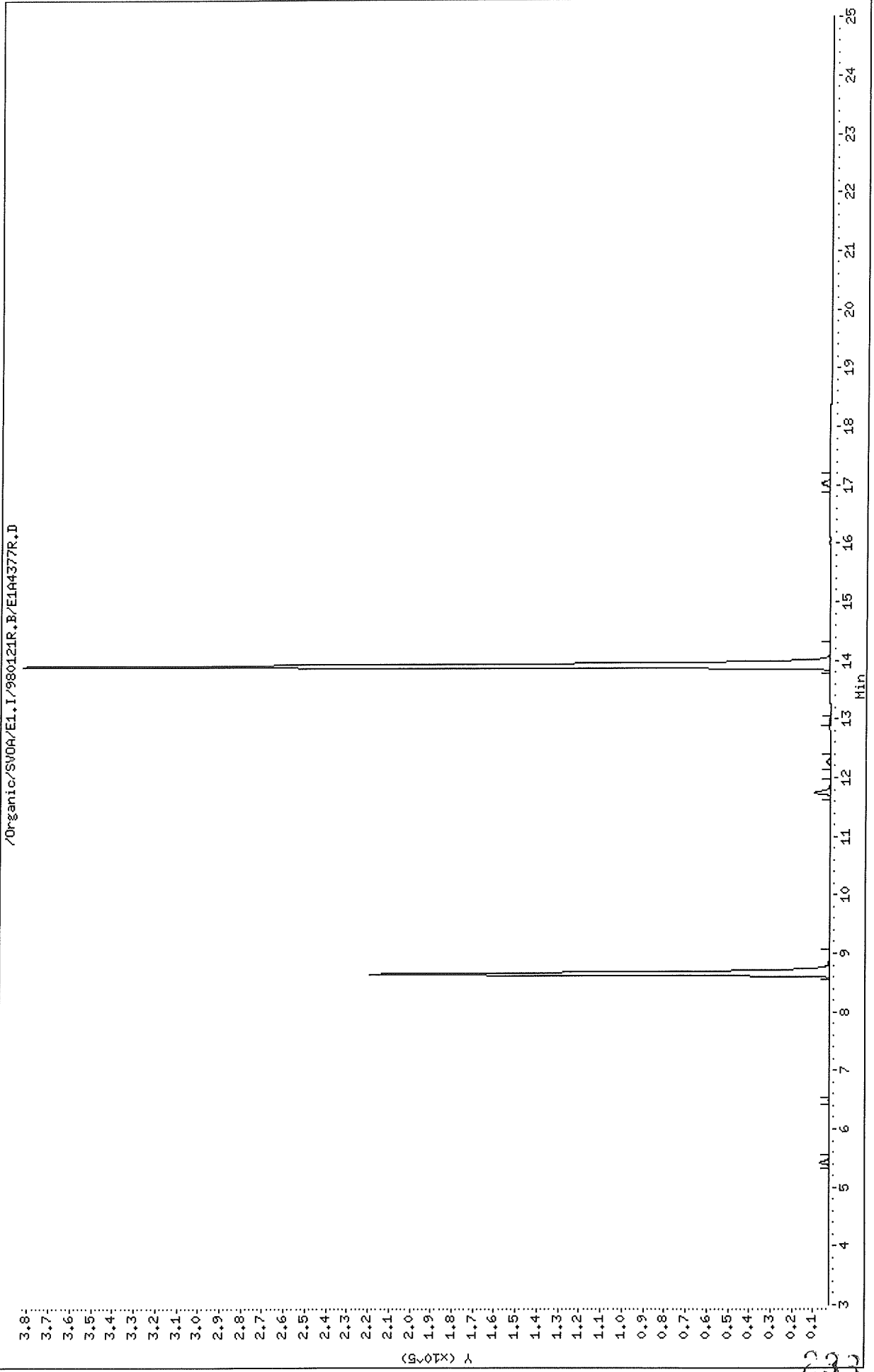
Column diameter: 0.53



232

Data File: /Organic/SV0A/E1.I/980121R.B/E1A4377R.D  
Date : 21-JAN-1998 23:13  
Client ID: CONGA  
Sample Info: CONGA,CONGA,cog.sub  
Volume Injected (uL): 2.0  
Column phase: DB-608

Instrument: E1.i  
Operator: sph  
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\980121F.B\E1A4377F.D  
 Sample #2 : \Organic\SVOA\E1.I\980121R.B\E1A4377R.D  
 Inj Date : 21-JAN-1998 23:13  
 Sample Info: CONGA, CONGA, cog.sub  
 Misc Info : ,3  
 Cal Date : 22-JAN-1998 09:16  
 Operator : sph  
 Inst ID : E1.i  
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\980121F.B\E1\_PCB\_F.M  
 Method #2 : \Organic\SVOA\E1.I\980121R.B\E1\_PCB\_R.M  
 Sub List #1 : cog.sub  
 Sub List #2 : cog.sub  
 Col #1 Phase : DB-1701  
 Col #2 Phase : DB-608

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
2,4,4'-Trichlorobiphenyl	7.967	8.653	109229	216575	2.05	2.06		100.00
Hexachlorobiphenyl	12.900	13.907	188150	380375	2.10	2.16		100.00

*AL*  
*1/22/98*

# MITKEM CORPORATION

Lab Project #: E0064  
 Client Name: **Vanasse Hangen Brustlin, Inc.**  
 Client Proj #: **05437**  
 Client PO #: **05437**  
 Project Name: **Boliden Metech**  
 Date Due: **1/22/98**  
 Total Price: \$ **-**  
 Project Mgr: **PAS**  
 Salesman: **PAS**  
 Del Req'd: **NA**  
 Completed?: **YES**

Logged In By:           
 Reviewed By:           
 Date: 1/21/98 Time: 16:05

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
-01	MW-1	AQ	PCBs 8080		1/19/98	1/19/98					1					
-02	MW-2	AQ	PCBs 8080		1/19/98	1/19/98					1					
-03	MW-3	AQ	PCBs 8080		1/19/98	1/19/98					1					
-04	MW-4	AQ	PCBs 8080		1/19/98	1/19/98					1					
-05	MW-5	AQ	PCBs 8080		1/19/98	1/19/98					1					
-06	MW-6	AQ	PCBs 8080		1/19/98	1/19/98					1					
-07	MW-7	AQ	PCBs 8080		1/19/98	1/19/98					1					
-08	MW-8	AQ	PCBs 8080		1/19/98	1/19/98					1					
-09	WB-1	AQ	PCBs 8080		1/19/98	1/19/98					1					
-10	PERB-1	AQ	PCBs 8080		1/19/98	1/19/98					1					
-11	MW-5 (D)	AQ	PCBs 8080		1/19/98	1/19/98					1					

# MITKEM CORPORATION

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
-12	PS-65005	Ampule	PCBs 8080		1/19/98	1/19/98					1					
-13	PS-63006	Ampule	PCBs 8080		1/19/98	1/19/98					1					

**NOTES:**

<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
0	0	0	0	13	0	0	0	0	0

**ORIGINAL REPORT GOES TO:**

Vanasse Hangen Brustlin, Inc.  
 101 Walnut Street, PO Box 9151  
 Watertown, MA 02272

**INVOICE GOES TO:**

Same  
 Attn: Accounts Payable

**ADDITIONAL REPORT GOES TO:**

None

230



175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755  
 (401) 732-3400 • Fax (401) 732-3499  
 1232 East Broadway Road, Suite 210 • Tempe, Arizona 85282  
 (602) 303-9535 • Fax (602) 921-2883

# CHAIN-OF-CUSTODY RECORD

Page 1 of 2

REPORT TO				INVOICE TO						
COMPANY	Venessa Hagen Brestin	PHONE	617-924-1770	COMPANY	VHS	PHONE				
NAME	Marc Richards	FAX	617-923-2336	NAME	Marc Richards	FAX				
ADDRESS	101 Walnut Street			ADDRESS						
CITY/ST/ZIP	Watertown, MA 02172			CITY/ST/ZIP						
CLIENT PROJECT NAME:	Boliden Motech	CLIENT PROJECT #:	05437	CLIENT P.O.#:	05437					
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS
MW-1	1/14/98	X	X	X				1		
MW-2	'	X	X	X				1		
MW-3	'	X	X	X				1		
MW-4	'	X	X	X				1		
MW-5	'	X	X	X				1		
MW-6	'	X	X	X				1		
MW-7	'	X	X	X				1		(Fuel Oil Colors)
MW-8	'	X	X	X				1		
WB-1	'	X	X	X				1		
PERB-1	'	X	X	X				1		
MW-5(D)	'	X	X	X				1		
PS-6500S	'					X		1		
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME						
1st	Marc Richards	1/14/98 1:30	PSA	1-19-98 1:30	Additional Remarks: Good Results by Thursday					
2nd										
3rd										

WHITE: LABORATORY COPY      YELLOW: REPORT COPY      PINK: CLIENT'S COPY

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
1/20/98	PE0048-01R	HO			
	F0120-B1	PR			
	-LCS1				
	FE0048-01R				
	-03R				
	FE0060-02R				
1/20/98	GPC0120-PM51	HO	CF	TRPT	
	GPC0120-NEOX				
	GPC0120-PM52				
	GPC0120-PB1				
1-21-98	P0120-B2	HO			
	-LCS2				
	PE0064-01	HO			
	-02				
	-03				
	-04				
	-05				
	-06				
	-07				
	-08				
	-09				
	-10				
	-11				
	-12				
	-13				
1-21-98	HT0114-B1	PR			
	HTE0037-01				
	-01SPK				
	HT0116-B1				
	HTE0032-03				
	-03SPK				
	HWS80120A				
	P0112-B1	PR			

DATE	ANALYSIS		METHOD		MATRIX		PROJECT(S)			
	1-20-98	VH3 - PCB	sonic. soxhlet dilut.	WP OIL	SL	EAQ	ANALYST	SPIKER	WITNESS	
BLANK & LCS ID	CLIENT	GPC batch #	Florissil lot #	Emulsion	pre-florissil KD date/analyst	Florissil Date/An.	Final Conc Date/An.	Final Extr. Volum.	Date Extr. Tran.	Comments
P0120-82 - LCS2		PW970725A 400 µL	N	N	1/20/98 HO	1/20/98 HO	1/21/98 HO	10 mL Hexane	1/21/98	ARN
- LCS2			PW970725B 400 µL							
PE00104-01			N							
-02										
-03										
-04										
-05										
-06										
-07										
-08										
-09										
-10										
-11										
-12 *										1 mL spiked into 1 L DI water
-13 *										↓

VH3 0.5 mg/ml

069



Sequence Name: C:\HPCHEM\5\SEQUENCE\9801021.S  
 Comment: MITKEM CORP. Sequence Log for "E1"  
 Operator: sph  
 Data Path: C:\HPCHEM\5\DATA\JAN98\980121\  
 Pre-Seq Cmd:  
 Post-Seq Cmd:

Method Sections To Run      On A Barcode Mismatch  
 (X) Full Method              (X) Inject Anyway  
 ( ) Reprocessing Only        ( ) Don't Inject

Line Type	Vial	DataFile	Method	Sample Name
1	MaskName	-	-----R	
2	Sample	1	E1A4348F PCB	AR1242G3,AR1242G3,,ar1242.sub
3	Sample	2	E1A4349F PCB	AR1248GA,AR1248GA,,ar1248.sub
4	Sample	3	E1A4350F PCB	AR1254GA,AR1254GA,,ar1254.sub
5	Sample	4	E1A4351F PCB	AR1660GA,AR1660GA,,ar1660.sub
6	Sample	5	E1A4352F PCB	CONGA,CONGA,cog.sub
7	Sample	6	E1A4353F PCB	P0120-B2,PBLK01,P0120-B2
8	Sample	7	E1A4354F PCB	P0120-LCS2,PBLK01LCS,P0120-B2
9	Sample	8	E1A4355F PCB	E0064-01,MW-1,P0120-B2
10	Sample	9	E1A4356F PCB	E0064-02,MW-2,P0120-B2
11	Sample	10	E1A4357F PCB	E0064-03,MW-3,P0120-B2
12	Sample	11	E1A4358F PCB	E0064-04,MW-4,P0120-B2
13	Sample	12	E1A4359F PCB	E0064-05,MW-5,P0120-B2
14	Sample	13	E1A4360F PCB	E0064-06,MW-6,P0120-B2
15	Sample	14	E1A4361F PCB	E0064-07,MW-7,P0120-B2
16	Sample	15	E1A4362F PCB	E0064-08,MW-8,P0120-B2
17	Sample	16	E1A4363F PCB	AR1242G3,AR1242G3,,ar1242.sub
18	Sample	17	E1A4364F PCB	AR1248GA,AR1248GA,,ar1248.sub
19	Sample	18	E1A4365F PCB	AR1254GA,AR1254GA,,ar1254.sub
20	Sample	19	E1A4366F PCB	AR1660GA,AR1660GA,,ar1660.sub
21	Sample	20	E1A4367F PCB	CONGA,CONGA,cog.sub
22	Sample	21	E1A4368F PCB	E0064-09,WB-1,P0120-B2
23	Sample	22	E1A4369F PCB	E0064-10,PERB-1,P0120-B2
24	Sample	23	E1A4370F PCB	E0064-11,MW-5(D),P0120-B2
25	Sample	24	E1A4371F PCB	E0064-12,PS-65005,P0120-B2
26	Sample	25	E1A4372F PCB	E0064-13,PS-63006,P0120-B2
27	Sample	26	E1A4373F PCB	AR1242G3,AR1242G3,,ar1242.sub
28	Sample	27	E1A4374F PCB	AR1248GA,AR1248GA,,ar1248.sub
29	Sample	28	E1A4375F PCB	AR1254GA,AR1254GA,,ar1254.sub
30	Sample	29	E1A4376F PCB	AR1660GA,AR1660GA,,ar1660.sub
31	Sample	30	E1A4377F PCB	CONGA,CONGA,cog.sub
32	Sample	31	E1A4378F PCB	E0064-13,PS-63006,P0120-B2
33	Sample	32	E1A4379F PCB	AR1242G3,AR1242G3,,ar1242.sub
34	Sample	33	E1A4380F PCB	AR1248GA,AR1248GA,,ar1248.sub
35	Sample	34	E1A4381F PCB	AR1254GA,AR1254GA,,ar1254.sub
36	Sample	35	E1A4382F PCB	AR1660GA,AR1660GA,,ar1660.sub
37	Sample	36	E1A4383F PCB	CONGA,CONGA,cog.sub
38				

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**Last Page of Data Report**

