

Boliden Metech Allens Avenue Facility

Laboratory Analytical Results, Sampling Rounds 8 and 9

434 Allens Avenue
Providence,
Rhode Island

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

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



March 1998



Client: Vanasse Hangen Brustlin, Inc.

Client Project: 05437, Boliden Metech

Lab Project: D1956

Date samples received: 11/26/97

Project Narrative

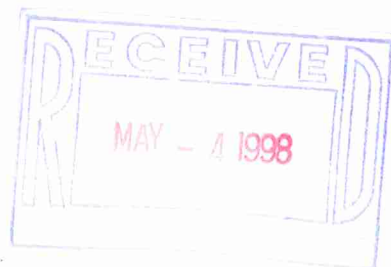
This data report includes the analysis results for three (3) aqueous samples and seventeen (17) soil samples that were received from Vanasse Hangen Brustlin, Inc. on November 26, 1997. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

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 cursive script, appearing to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager





PCB Data Summary

Client: VHB, Inc.

Concentration in mg/kg, dry weight basis for soil
mg/L for aqueous

<u>Lab ID</u>	<u>Client ID</u>	<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>AR1260</u>	<u>% Surrogate Recovery</u>	
						<u>TCMX</u>	<u>DCB</u>
D1956-01	B7-C1	< 190	< 190	< 190	< 190	94	90
D1956-02	B8-C1	< 210	< 210	< 210	230	96	97
D1956-03	C7-C1	< 210	< 210	< 210	300	90	88
D1956-04	C8-C1	< 190	< 190	< 190	< 190	92	90
D1956-05	C9-C1	< 200	< 200	< 200	< 200	91	92
D1956-06	D7-C1	< 190	< 190	< 190	< 190	108	108
D1956-07	E5-C1	< 200	< 200	< 200	< 200	96	104
D1956-08	E6-C1	< 190	< 190	< 190	< 190	86	96
D1956-09	F4-C1	< 220	< 220	< 220	< 220	87	80
D1956-10	F5-C1	< 200	< 200	< 200	< 200	88	85
D1956-11	K5-C1	< 180	< 180	< 180	< 180	88	85
D1956-12	K6-C1	< 200	< 200	< 200	< 200	94	94
D1956-13	E6-C1(0)	< 190	< 190	< 190	< 190	93	96
D1956-14	PS-9104	19,000	< 170	< 170	< 170	107	119
D1956-18	K2-C2	56,000	< 190	24,000	< 190	110	112
D1956-19	R11-C1	< 190	< 190	< 190	< 190	98	98
D1956-20	Berm	< 180	< 180	270	< 180	103	104
Method Blank		< 170	< 170	< 170	< 170	91	90
<u>Aqueous</u>							
D1956-15	Gerb-1	< 1	< 1	< 1	< 1	86	78
D1956-16	Berb-1	< 1	< 1	< 1	< 1	90	73
D1957-17	WB-1	< 1	< 1	< 1	< 1	79	56
Method Blank		< 1	< 1	< 1	< 1	82	86

002



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: B7-C1
Lab ID: D1956-01
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 94%
Decachlorobiphenyl 90%

ND=Not Detected

003



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: B8-C1
Lab ID: D1956-02
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 79% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	210
Aroclor-1221	ND	420
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	230 P	210

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 96%
Decachlorobiphenyl 97%

ND=Not Detected

004



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: C7-C1
Lab ID: D1956-03
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 79% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	210
Aroclor-1221	ND	420
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	300	210

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 88%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: C8-C1
Lab ID: D1956-04
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 92%
Decachlorobiphenyl 90%

ND=Not Detected

000



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: C9-C1
Lab ID: D1956-05
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	390
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 91%
Decachlorobiphenyl 92%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: D7-C1
Lab ID: D1956-06
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 108%
Decachlorobiphenyl 108%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: E5-C1
Lab ID: D1956-07
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P1203-B1

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	104%

ND=Not Detected

009



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: E6-C1
Lab ID: D1956-08
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 86%
Decachlorobiphenyl 96%

ND=Not Detected

010



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: F4-C1
Lab ID: D1956-09
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 77% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	220
Aroclor-1221	ND	430
Aroclor-1232	ND	220
Aroclor-1242	ND	220
Aroclor-1248	ND	220
Aroclor-1254	ND	220
Aroclor-1260	ND	220

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 80%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: F5-C1
Lab ID: D1956-10
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	410
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 88%
Decachlorobiphenyl 85%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K5-C1
Lab ID: D1956-11
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 88%
Decachlorobiphenyl 85%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K6-C1
Lab ID: D1956-12
Analysis: Method 8080

Analysis Date: 12/4/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 94%
Decachlorobiphenyl 94%

ND=Not Detected

014



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: E6-C1(D)
Lab ID: D1956-13
Analysis: Method 8080

Analysis Date: 12/5/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 93%
Decachlorobiphenyl 96%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-9104
Lab ID: D1956-14
Analysis: Method 8080

Analysis Date: 12/6/97
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	19,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 107%
Decachlorobiphenyl 119%

ND=Not Detected

016



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Gerb-1
Lab ID: D1956-15
Analysis: Method 8080

Analysis Date: 12/5/97
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: P1203-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 86%
Decachlorobiphenyl 78%

ND=Not Detected

017



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Berb-1
Lab ID: D1956-16
Analysis: Method 8080

Analysis Date: 12/5/97
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: P1203-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 73%

ND=Not Detected

013



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: WB-1
Lab ID: D1956-17
Analysis: Method 8080

Analysis Date: 12/10/97
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: P1203-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 79%
Decachlorobiphenyl 56%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K2-C2
Lab ID: D1956-18
Analysis: Method 8080

Analysis Date: 12/6/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	56,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	24,000 D	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 110%
Decachlorobiphenyl 112%

ND=Not Detected

020



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R11-C1
Lab ID: D1956-19
Analysis: Method 8080

Analysis Date: 12/6/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P1203-B1

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

ND=Not Detected

MITKEM CORPORATION

Lab Project #: D1956 **R1**
 Client Name: **Vanasse Hangen Brustlin, Inc.**
 Client Proj #: **05437**
 Client PO #: **05437**
 Project Name: **Boliden Metech**
 Date Due: **12/4/97**
 Total Price: \$ **-**
 Project Mgr: **PAS**
 Salesman: **PAS**
 Del Req'd: **NA**
 Completed?: **YES**

Logged In By: AS
 Reviewed By: PAS
 Date: 12/1/97 Time: 1200

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-01	B7-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-02	B8-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-03	C7-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-04	C8-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-05	C9-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-06	D7-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-07	E5-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-08	E6-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-09	F4-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-10	F5-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-11	K5-C1	SL	PCBs 8080		11/26/97	11/26/97					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	K6-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-13	E6-C1(D)	SL	PCBs 8080		11/26/97	11/26/97					1					
-14	PS-9104	SL	PCBs 8080		11/26/97	11/26/97					1					
-15	Gerb-1	AQ	PCBs 8080		11/26/97	11/26/97					1					
-16	Berb-1	AQ	PCBs 8080		11/26/97	11/26/97					1					
-17	WB-1	AQ	PCBs 8080		11/26/97	11/26/97					1					
-18	K2-C2	SL	PCBs 8080		11/26/97	11/26/97					1					
-19	R11-C1	SL	PCBs 8080		11/26/97	11/26/97					1					
-20	Berm	SL	PCBs 8080		11/26/97	11/26/97					1					

<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	20				0	0

NOTES: R1: Due date change.

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

023



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

REPORT TO				INVOICE TO							
COMPANY	Vanessa Hengen Brestlin	PHONE	617-924-1770	COMPANY	(SAME)	PHONE					
NAME	Dave Carlson	FAX	617-923-2336	NAME		FAX					
ADDRESS	101 Walnut Street			ADDRESS							
CITY/ST/ZIP	Westerly MA 02877			CITY/ST/ZIP							
CLIENT PROJECT NAME:	Bolsen Metech Providence RI			CLIENT P.O.#:	05437						
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS	
											DATE/TIME
EG - C1(D)	11/26'	X			X			1			
PS-9104	'	X			X			1			
Gerb-1	'		X	X				1			
Berb-1	'		X	X				1			
WB-1	'		X	X				1			
K2-C2	'	X			X			1			
R11-C1	'	X			X			1			
Berm	'	X			X			1			
	'										
	'										
	'										
	'										
	'										
	'										
	'										
	'										
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:					
1st	<i>Ch. J. [Signature]</i>	11/26/97 (2:05)	<i>[Signature]</i>	11/26/97			Rush - 1 week				
2nd		'		'							
3rd		'		'							



175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
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CHAIN-OF-CUSTODY RECORD

REPORT TO					INVOICE TO				
COMPANY <i>Vannose Hergen Brestlin</i>			PHONE <i>617-924-1770</i>	LAB REFERENCE #:	COMPANY <i>(S.A.T.E)</i>			PHONE	
NAME <i>Dave Carlson</i>			FAX <i>617-923-2336</i>		NAME			FAX	
ADDRESS <i>101 Webster Street</i>					ADDRESS				TURNAROUND TIME: <i>1 week</i>
CITY/ST/ZIP <i>Westerly MA 02272</i>			CLIENT PROJECT #:		CITY/ST/ZIP				
CLIENT PROJECT NAME: <i>Boluden Metech Providence, RI</i>			05437	CLIENT P.O.#: <i>05437</i>	REQUESTED ANALYSES				
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS
B7-C1	11/26/97	X			X			1	
B8-C1	'	X			X			1	
C7-C1	'	X			X			1	
C8-C1	'	X			X			1	
C9-C1	'	X			X			1	
D7-C1	'	X			X			1	
E5-C1	'	X			X			1	
E6-C1	'	X			X			1	
F4-C1	'	X			X			1	
F5-C1	'	X			X			1	
K5-C1	'	X			X			1	
K6-C1	'	X			X			1	
TSP#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:				
1st	<i>Manjiv Rishi</i>	11/26/97 12:05	<i>[Signature]</i>	11/26/12:03	RUSH - 1 week				
2nd		'		'					
3rd		'		'					

MITKEM CORPORATION

Sample Condition Form

Received By: <u>A</u>	Reviewed By: <u>BFD</u>	Date: <u>1/26/97</u>	MITKEM Project: <u>D1956</u>				
Client Project: <u>Boliden Metech</u>		Client: <u>UHR</u>					
Condition:	Sample ID		Preservation (pH)				Comments/Remarks/ Corrective Action
	Lab	Client	HNO ₃	H ₂ SO ₄	HCl	NaOH	
1) Custody Seal(s)	Present/Absent <u>(Present)</u>	<u>-01</u> <u>B57-C1</u>					
	Coolers/Bottles <u>(Coolers)</u>	<u>-02</u> <u>B8-C1</u>					
	Intact/Broken	<u>-03</u> <u>C7-C1</u>					
		<u>-04</u> <u>C8-C1</u>					
		<u>-05</u> <u>C9-C1</u>					
2) Custody Seal Number(s)	<u>N/A</u>	<u>-06</u> <u>D7-C1</u>					
		<u>-07</u> <u>E5-C1</u>					
		<u>-08</u> <u>E6-C1</u>					
3) Chain-of-Custody	Present/Absent <u>(Present)</u>	<u>-09</u> <u>F4-C1</u>					
		<u>-10</u> <u>F5-C1</u>					
4) Cooler Temperature	<u>10°C</u>	<u>-11</u> <u>K5-C1</u>					
Coolant Condition	<u>ice</u>	<u>-12</u> <u>K6-C1</u>					
		<u>-13</u> <u>E6-C1 (CP)</u>					
5) Airbill(s)	Present/Absent <u>(Present)</u>	<u>-14</u> <u>PS-9104</u>					
Airbill Number(s)		<u>-15</u> <u>6erb-1</u>					
		<u>-16</u> <u>Berb-1</u>					
		<u>-17</u> <u>WB-1</u>					
6) Sample Bottles	Intact <u>(Intact)</u>	<u>-18</u> <u>K2-C2</u>					
	Broken	<u>-19</u> <u>K11-C1</u>					
	Leaking	<u>-20</u> <u>Berm</u>					
7) Date Received	<u>1/26/97</u>						
8) Time Received	<u>1200</u>						
9) Project Due Date							

Sample Chromatograms

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1545F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1545R.D
 Inj Date : 04-DEC-1997 10:21
 Sample Info: P1203-B1,PBLK01,P1203-B1
 Misc Info : 3,,,2,,,,,,03-DEC-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	0.000	% Moisture

Compound	RT		Resp		Conc#1	Conc#2	Target Range	Ratio
	RT#1	RT#2	Resp#1	Resp#2	(ug/Kg)	(ug/Kg)		
Tetrachloro-m-xylene	3.590	5.677	4565	2691	32.5	30.4		100.00
Decachlorobiphenyl	18.923	26.223	4150	1592	30.0	32.3		100.00

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1545F.D

Date : 04-DEC-1997 10:21

Client ID: PBLK01

Sample Info: P1203-B1,PBLK01,P1203-B1

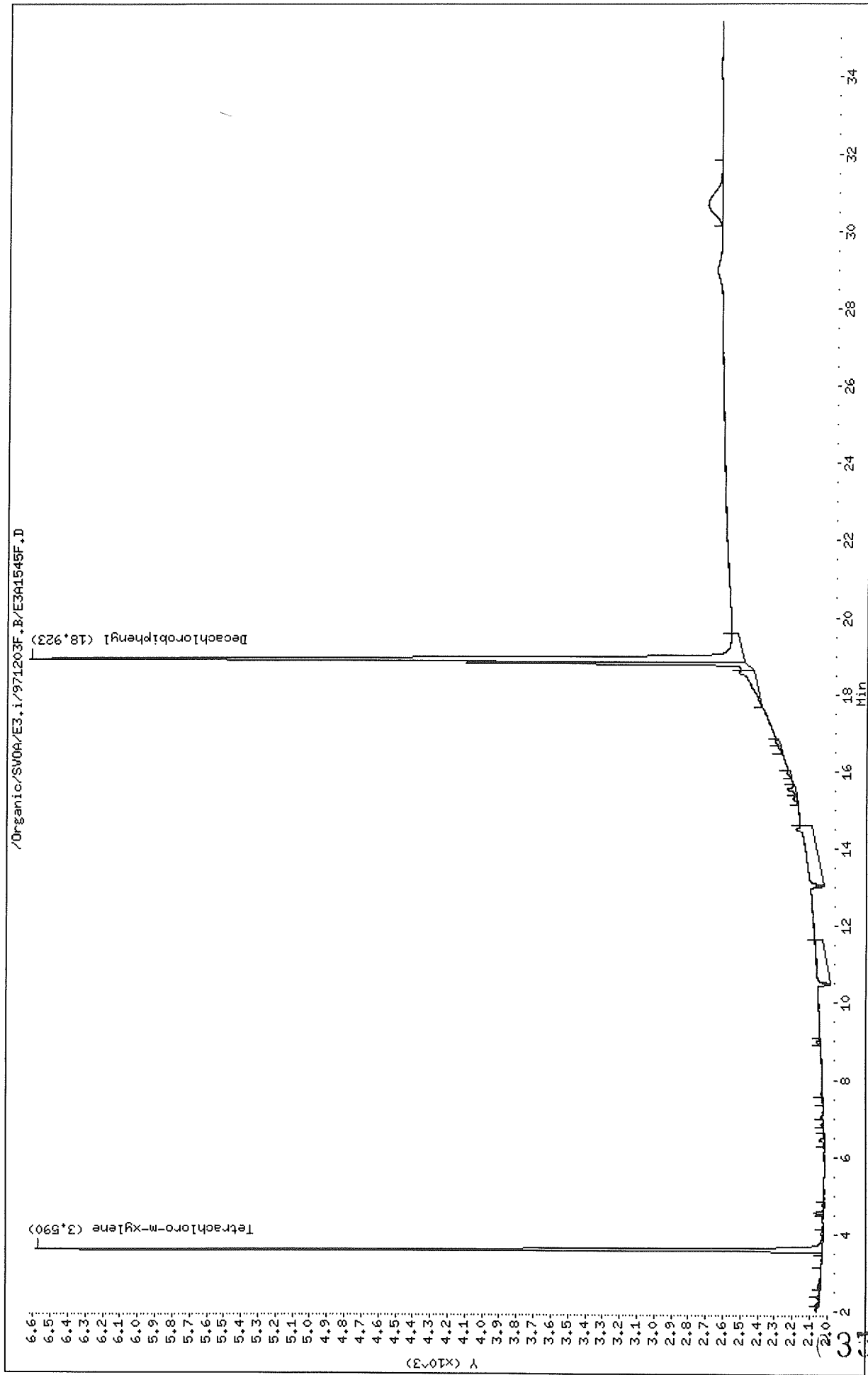
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

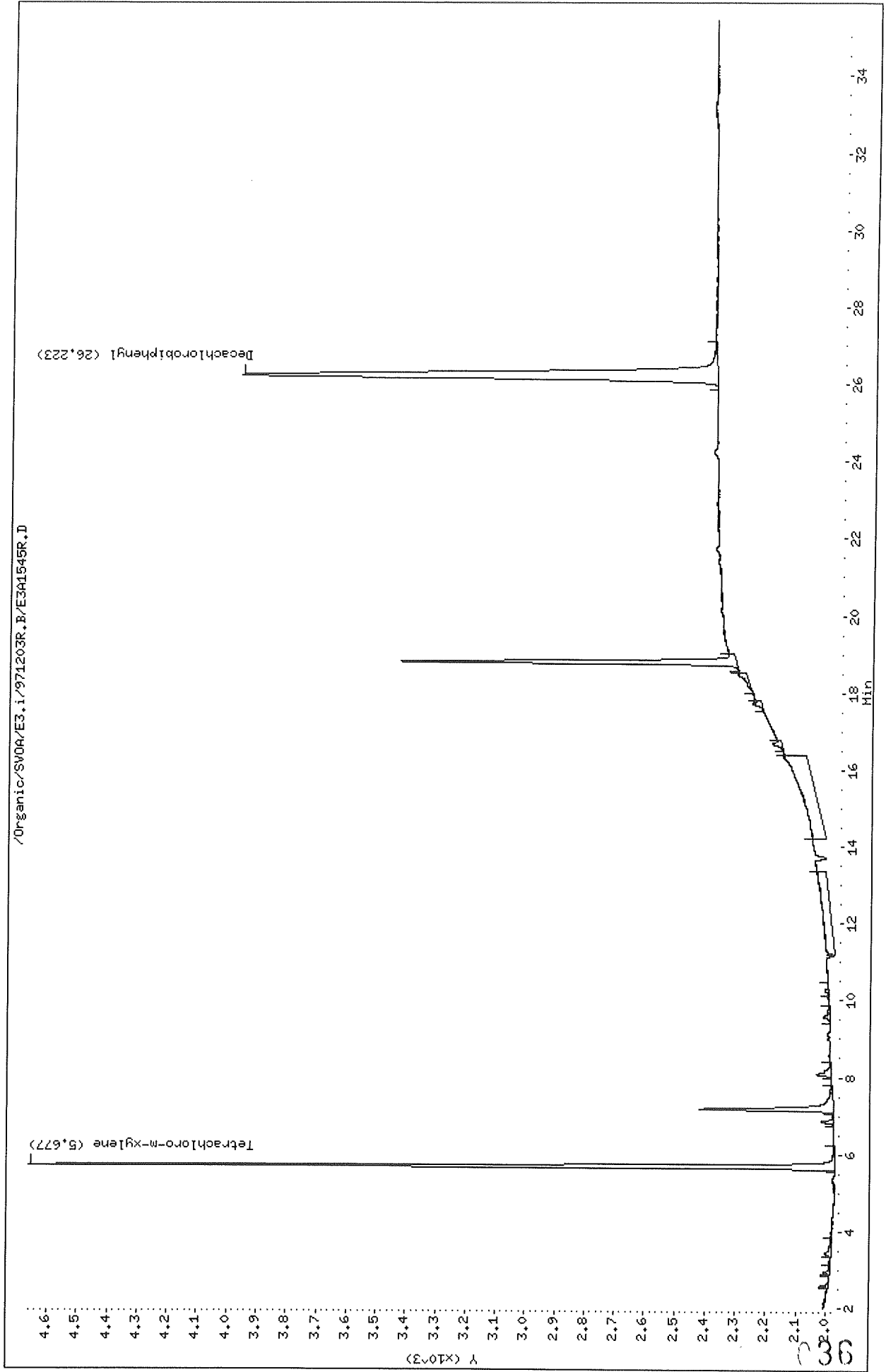
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1545R.D
Date : 04-DEC-1997 10:21
Client ID: PBLK01
Sample Info: P1203-B1.PBLK01.P1203-B1
Volume Injected (uL): 2.0
Column phase: IB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1583F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1583R.D
 Inj Date : 05-DEC-1997 11:36
 Sample Info: P1203-B2,PBLK02,P1203-B2
 Misc Info : 3,,,1,,,,,,,03-DEC-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.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	3.603	5.673	4004	2425	0.171	0.165		100.00
Decachlorobiphenyl	18.933	26.247	3875	1636	0.168	0.199		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV04/E3.i/971203F.B/E341583F.D

Date : 05-DEC-1997 11:36

Client ID: PBLK02

Sample Info: P1203-B2,PBLK02,P1203-B2

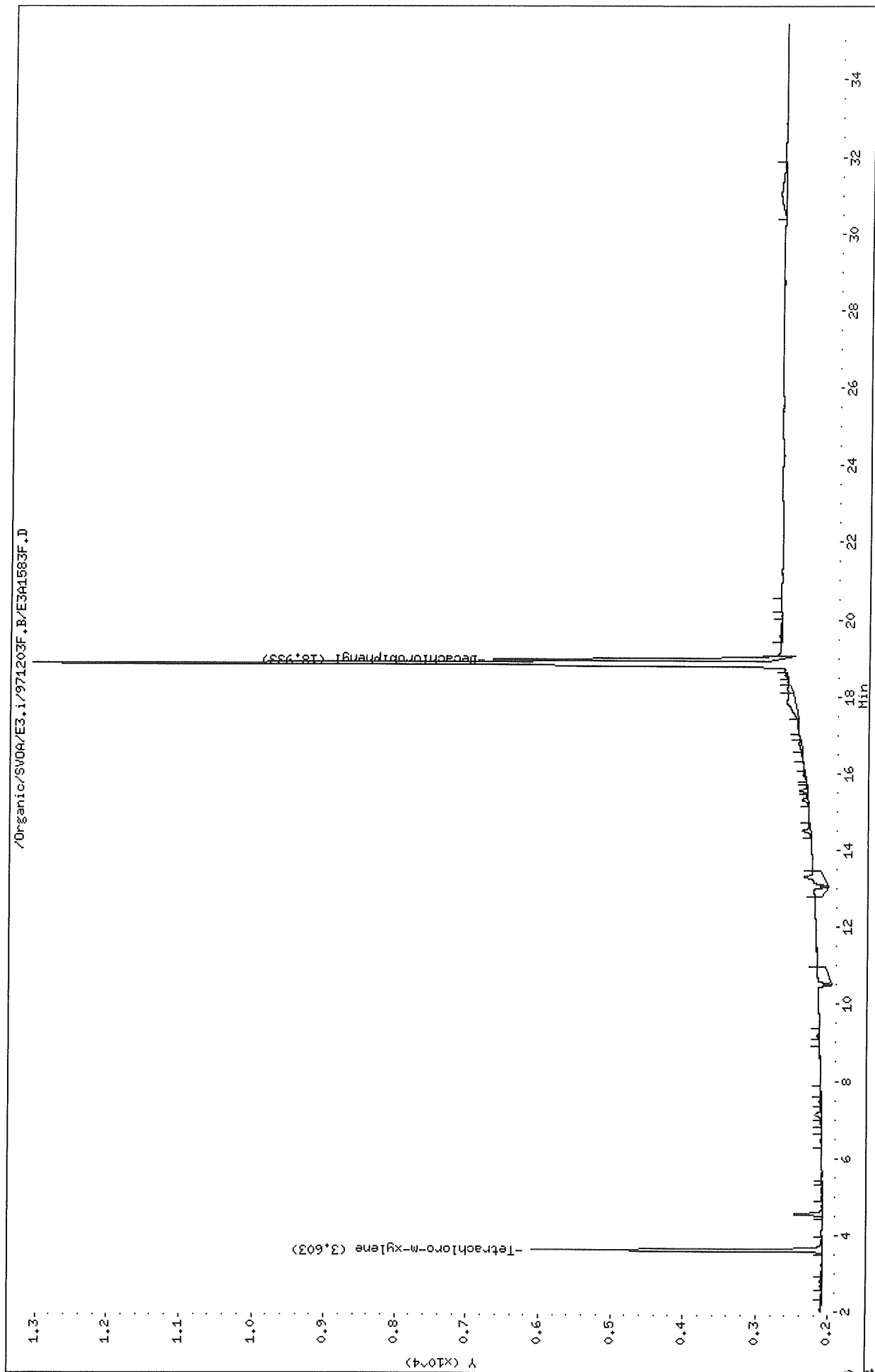
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1583R.D

Date : 05-DEC-1997 11:36

Client ID: PBLK02

Sample Info: P1203-B2,PBLK02,P1203-B2

Volume Injected (uL): 2.0

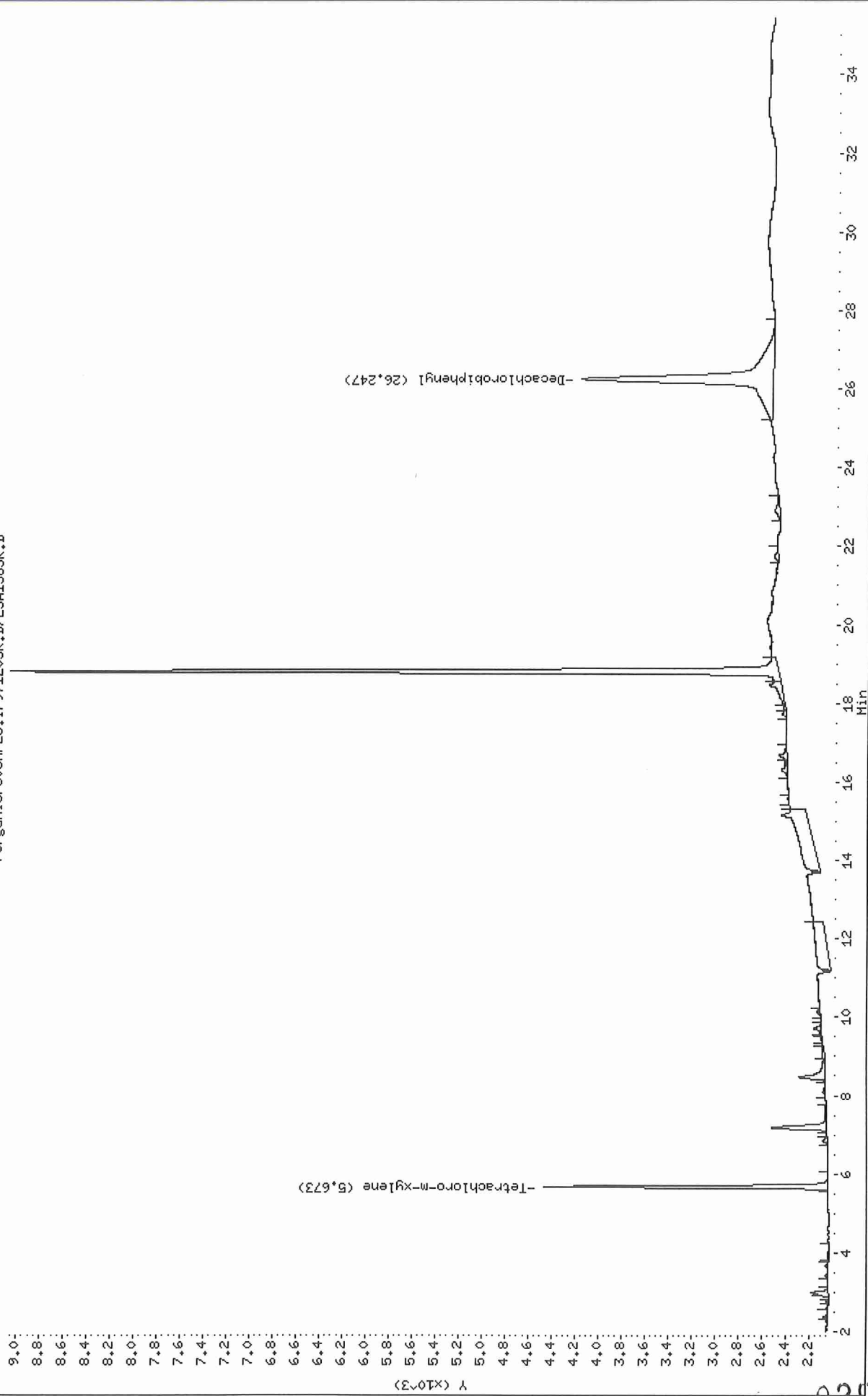
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1583R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1546F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1546R.D
 Inj Date : 04-DEC-1997 10:58
 Sample Info: P1203-LCS1,PLCS01,P1203-B1,lcs.sub,lcs.spk
 Misc Info : 3,,LCS,2,,,,,,03-DEC-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : all.sub
 Sub List #2 : all.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4622	2733	32.9	30.9		100.00
Decachlorobiphenyl	18.917	26.220	4302	1653	31.1	33.5		100.00 (M)
2,4,4'-Trichlorobiphenyl	7.150	10.117	69670	42052	1680	1650		100.00
Hexachlorobiphenyl	14.480	18.430	135123	86023	1740	1690		100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SW04/E3.i/971203F.B/E3A1546F.D

Date : 04-DEC-1997 10:58

Client ID: PBLK01LCS

Sample Info: P1203-LCS1,PLCS01,P1203-B1,lcs.sub,lcs.spk

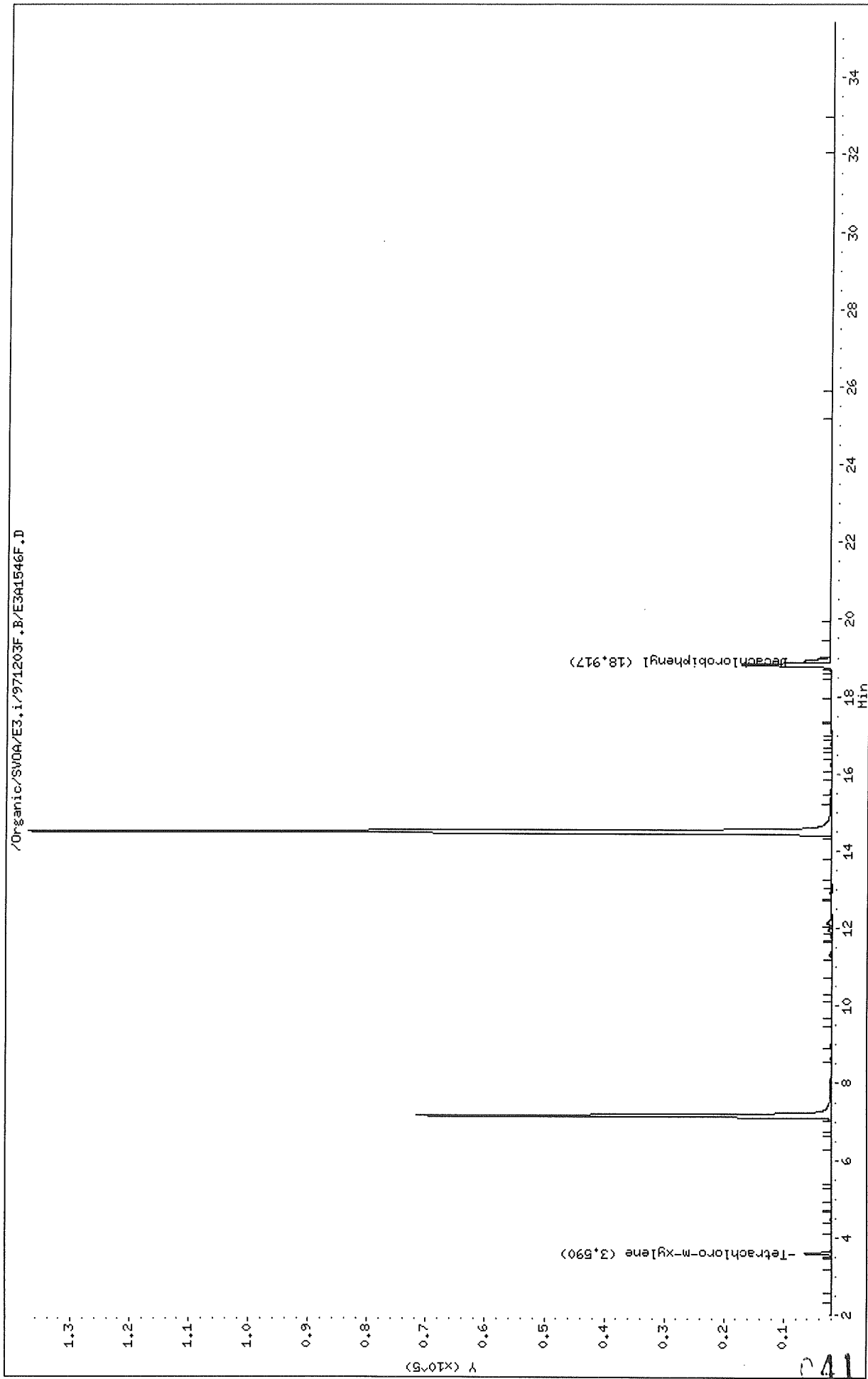
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

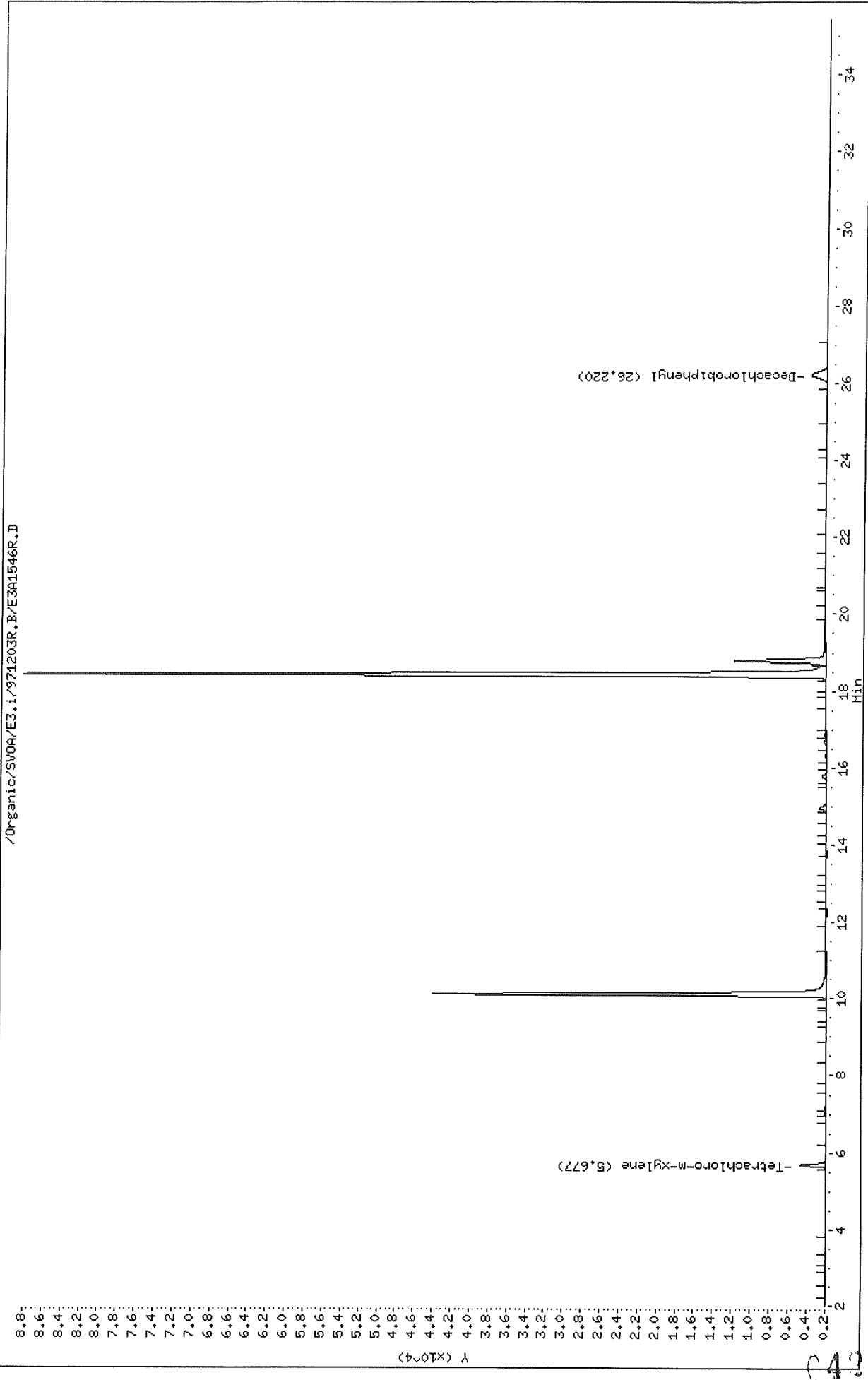
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SU04/E3.i/971203R.B/E3A1546R.D
Date : 04-DEC-1997 10:58
Client ID: PBLK01LCS
Sample Info: P1203-LCS1,PLCS01,P1203-B1, lcs.sub,lcs.spk
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1584F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1584R.D
 Inj Date : 05-DEC-1997 12:15
 Sample Info: P1203-LCS2,PBLK02LCS,P1203-B2
 Misc Info : 3,,LCS,1,,,,,,03-DEC-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-r.m
 Sub List #1 : all.sub
 Sub List #2 : all.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

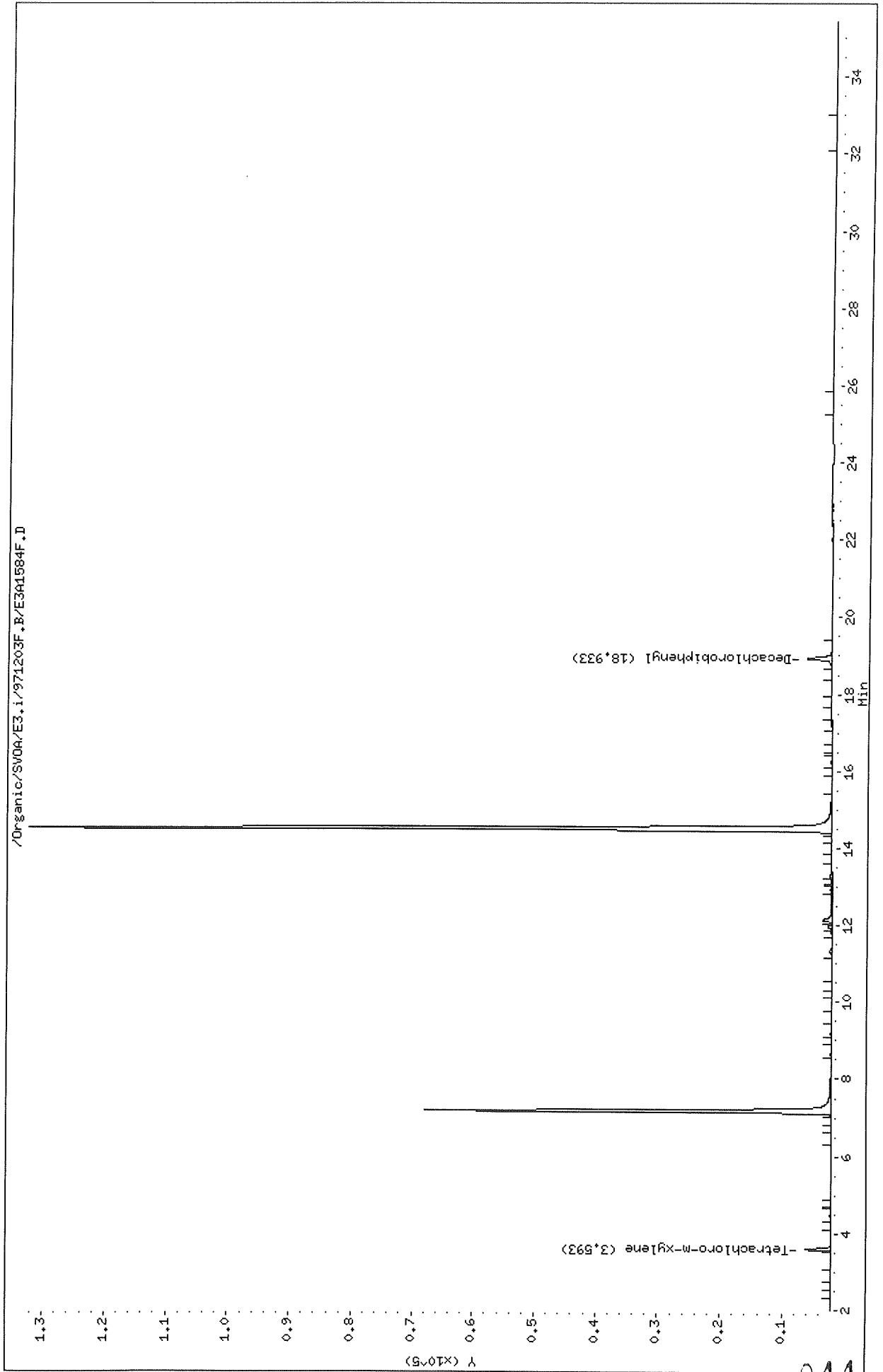
Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi)

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	3.593	5.683	4129	2466	0.176	0.167		100.00
Decachlorobiphenyl	18.933	26.243	3893	1508	0.169	0.183		100.00
2,4,4'-Trichlorobiphenyl	7.160	10.123	65760	39639	9.49	9.32		100.00
Hexachlorobiphenyl	14.490	18.440	130184	83795	10.1	9.88		100.00

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1584F.D
Date : 05-DEC-1997 12:15
Client ID: PBLK02LCS
Sample Info: P1203-LCS2,PBLK02LCS,P1203-B2
Volume Injected (uL): 2.0
Column phase: DB-1701

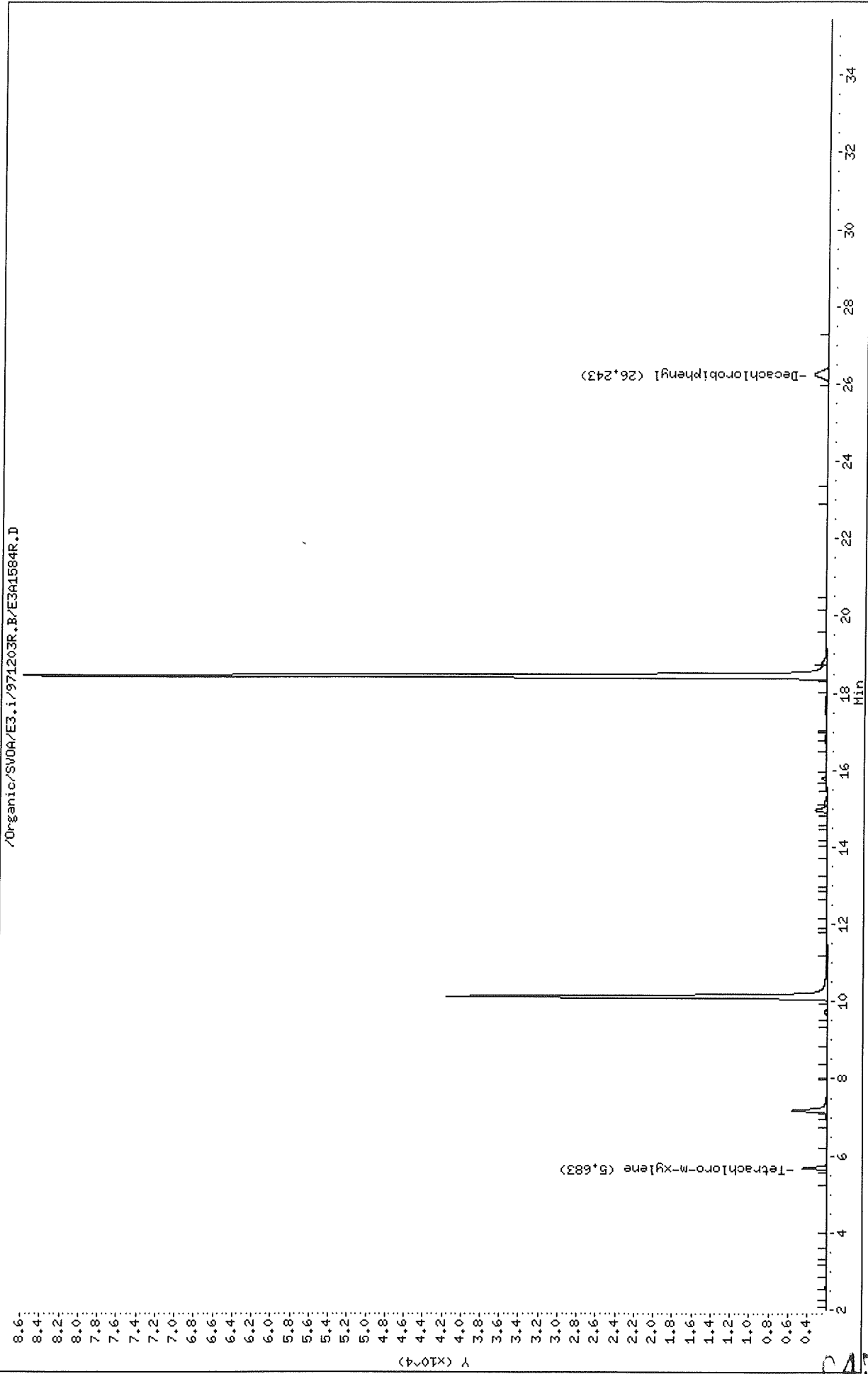
Instrument: E3.i
Operator: jfs
Column diameter: 0.53



044

Data File: /Organic/SV0A/E3.i/971203R.B/E3A1584R.D
Date : 05-DEC-1997 12:15
Client ID: PBLK02LCS
Sample Info: P1203-LCS2,PBLK02LCS,P1203-B2
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1547F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1547R.D
 Inj Date : 04-DEC-1997 11:36
 Sample Info: D1956-01,B7-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.673	4729	2786	39.2	36.6		100.00
Decachlorobiphenyl	18.913	26.213	4149	1702	34.9	40.1		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

jk

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1547F.D

Date : 04-DEC-1997 11:36

Client ID: B7-C1

Sample Info: D1956-01,B7-C1,P1203-B1

Volume Injected (uL): 2.0

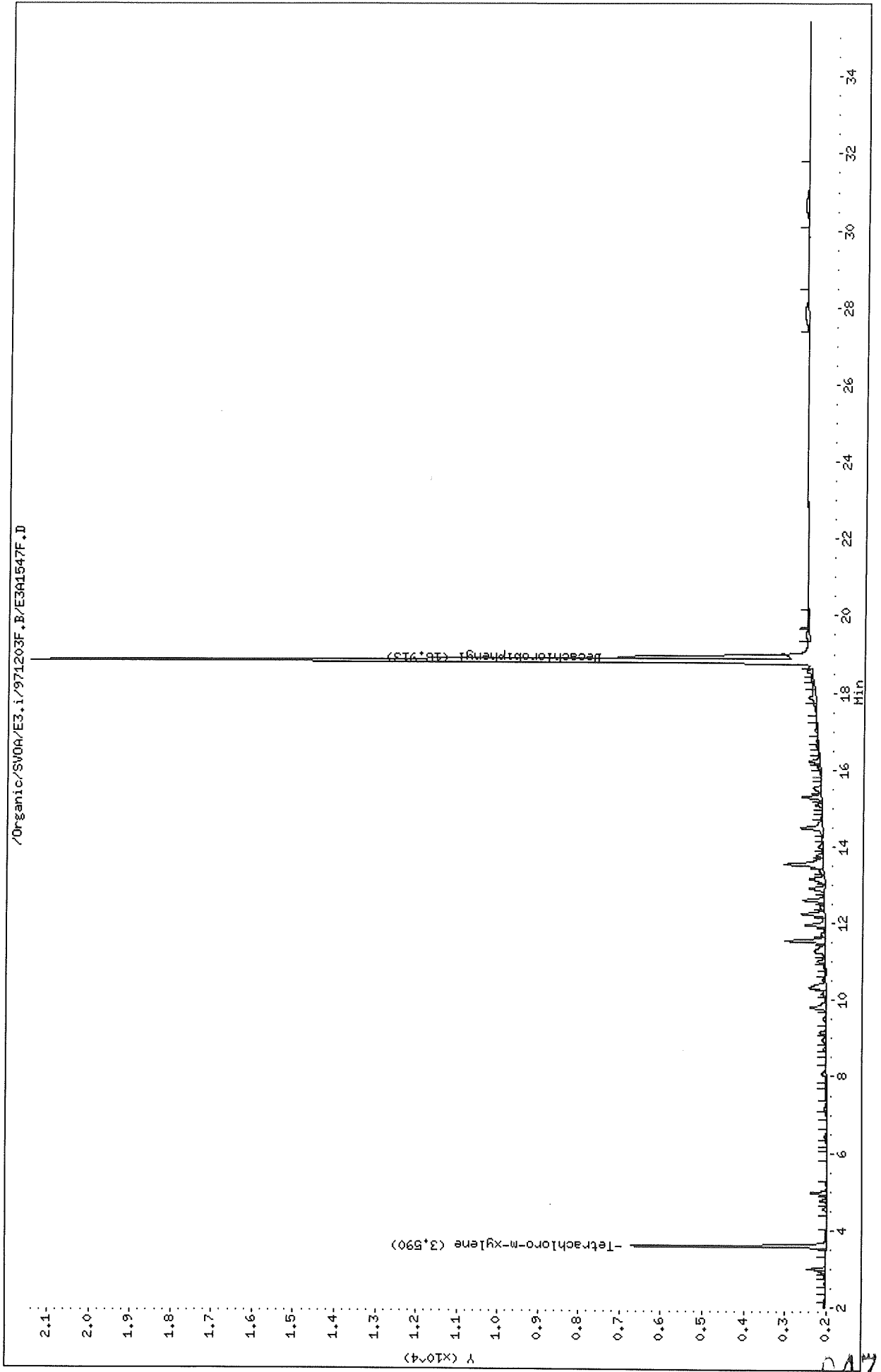
Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203F.B/E3A1547F.D



Data File: /Organic/SV0A/E3.1/971203R.B/E3A1547R.D

Date : 04-DEC-1997 11:36

Client ID: B7-C1

Sample Info: D1956-01,B7-C1,P1203-B1

Volume Injected (uL): 2.0

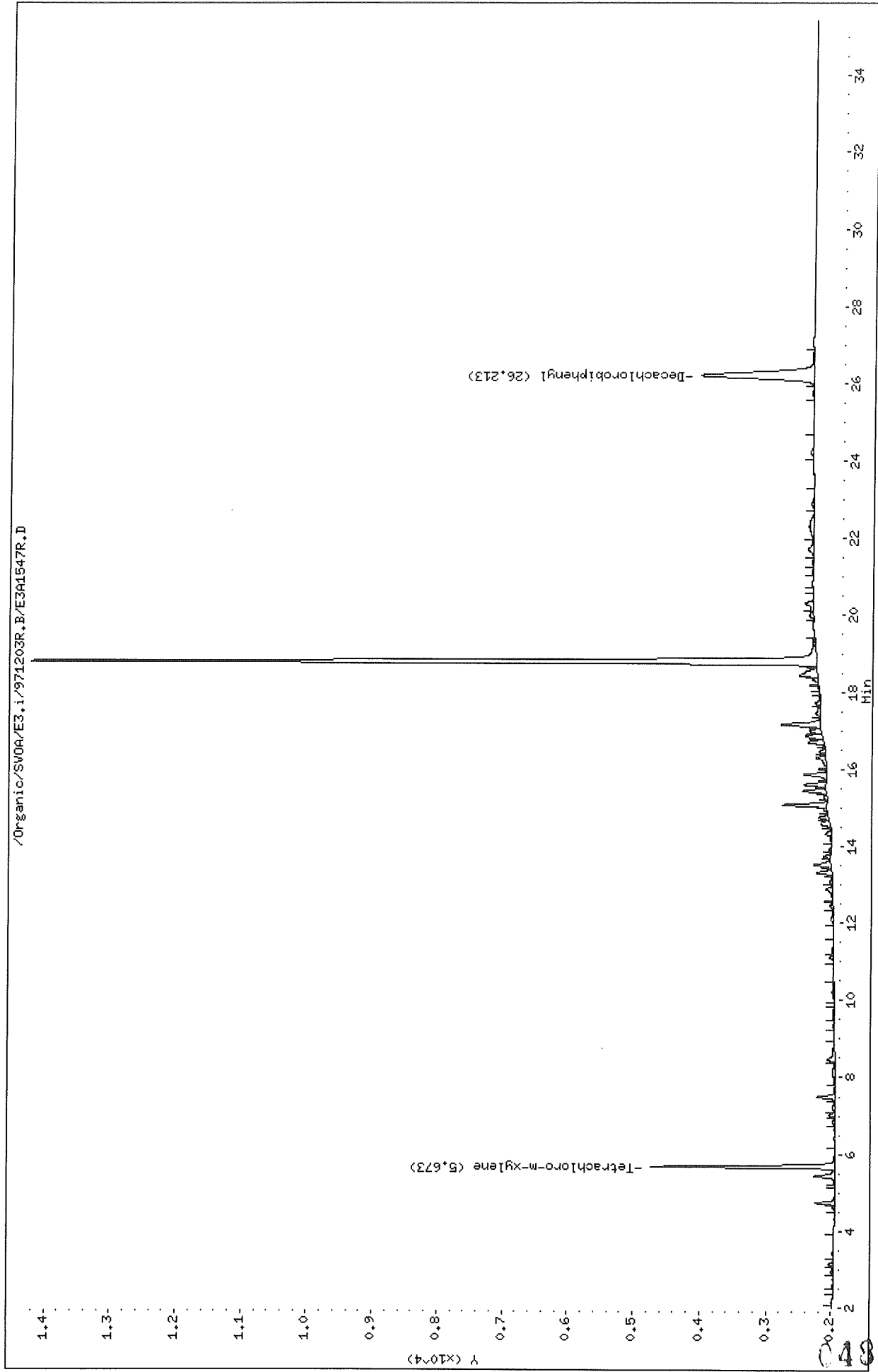
Column phase: DB-608

Instrument: E3.1

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.1/971203R.B/E3A1547R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1548F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1548R.D
 Inj Date : 04-DEC-1997 12:22
 Sample Info: D1956-01MS,B7-C1MS,P1203-B1
 Misc Info : 3,,MS,2,25000,,30,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-r.m
 Sub List #1 : all.sub
 Sub List #2 : all.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

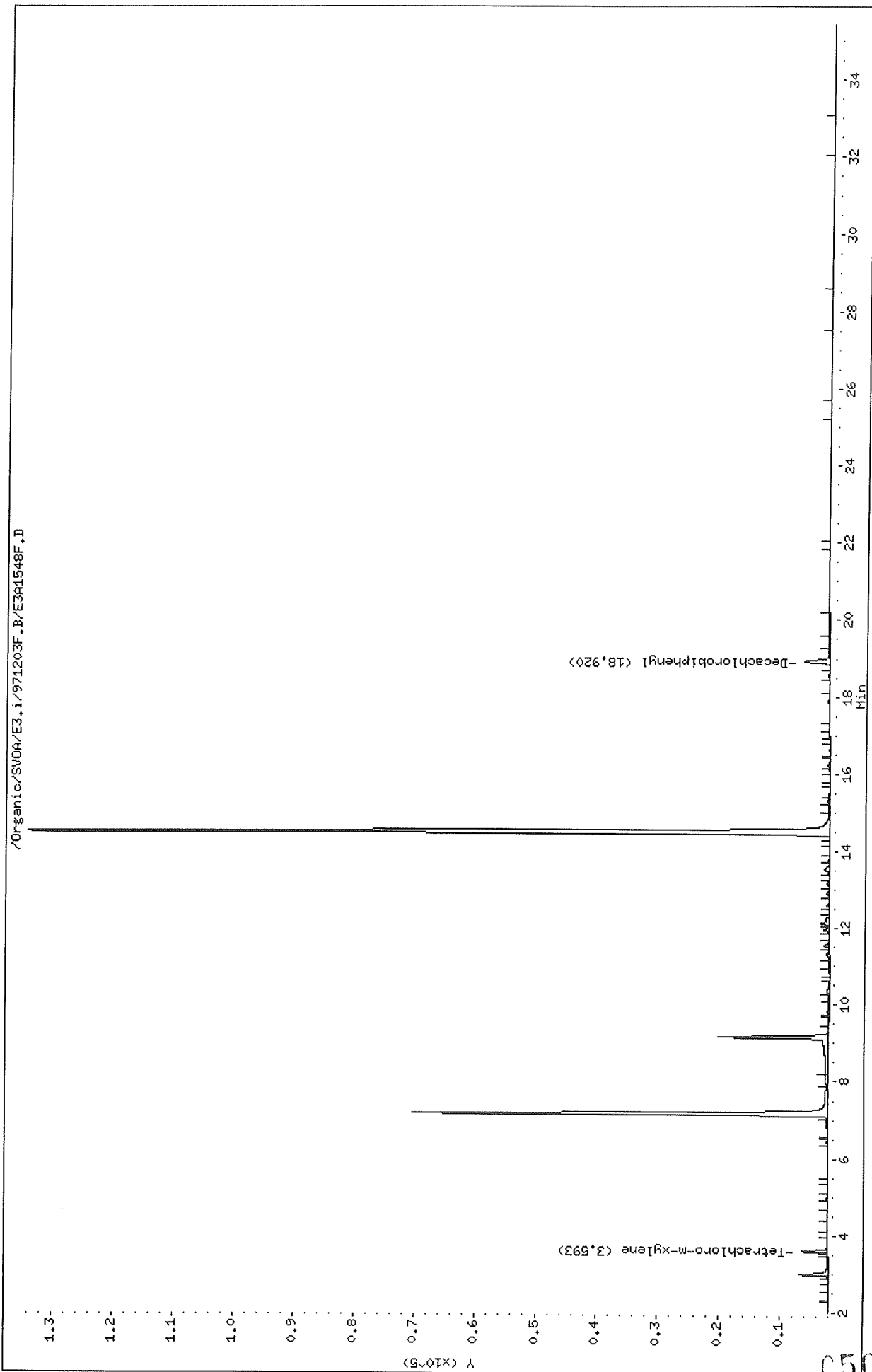
Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.663	4362	2650	36.1	34.9		100.00
Decachlorobiphenyl	18.920	26.217	4211	1661	35.4	39.2		100.00
2,4,4'-Trichlorobiphenyl	7.157	10.103	68310	41159	1910	1880		100.00
Hexachlorobiphenyl	14.480	18.423	132106	86234	1980	1970		100.00

Data File: /Organic/SV00A/E3.i/971203F.B/E3A1548F.D
Date : 04-DEC-1997 12:22
Client ID: B7-C4MS
Sample Info: D1956-01MS,B7-C4MS,P1203-B1
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1548R.D

Date : 04-DEC-1997 12:22

Client ID: B7-C1MS

Sample Info: D1956-01MS,B7-C1MS,P1203-B1

Volume Injected (uL): 2.0

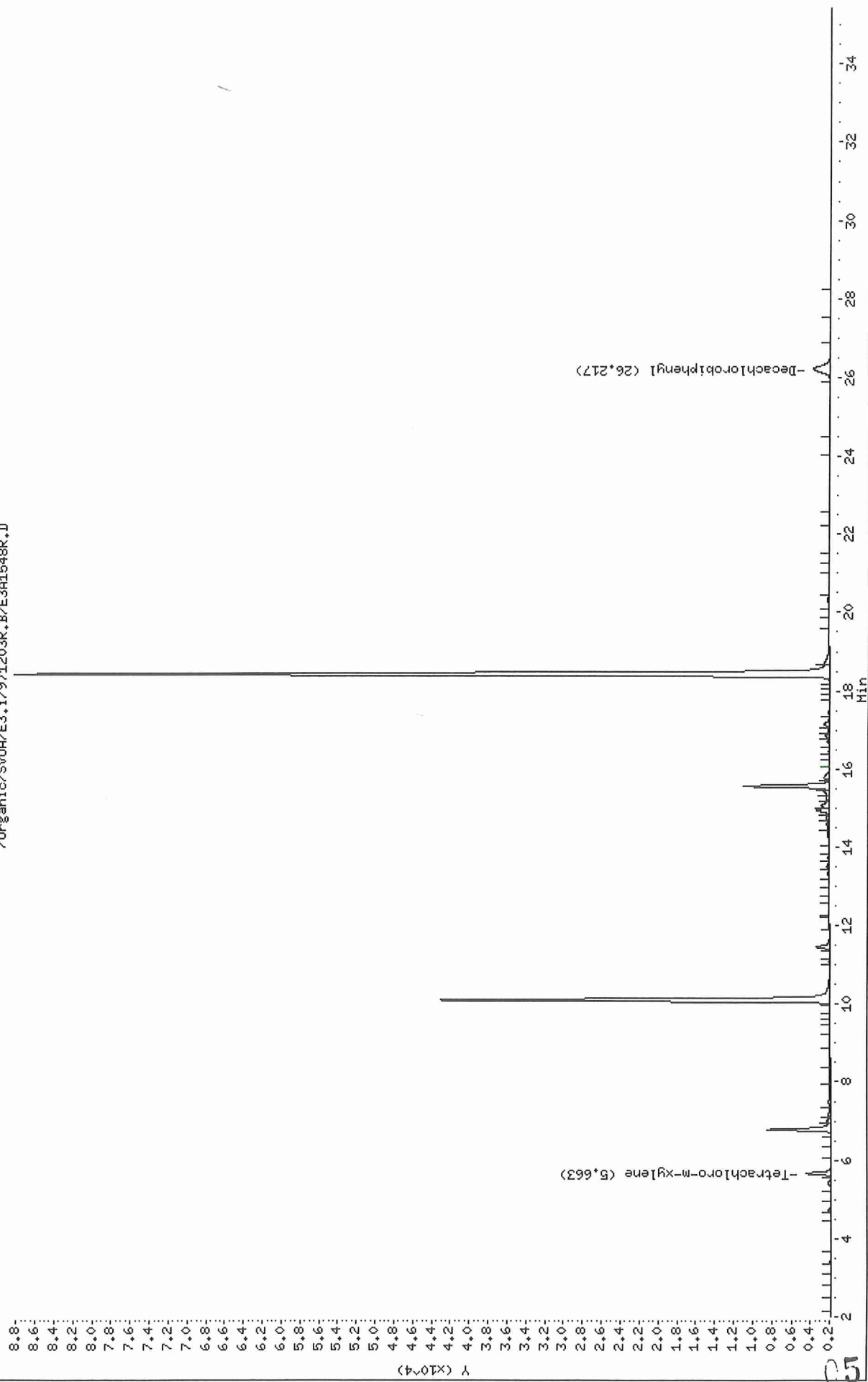
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1548R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1549F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1549R.D
 Inj Date : 04-DEC-1997 13:01
 Sample Info: D1956-01MSD,B7-C1MS,P1203-B1
 Misc Info : 3,,MSD,2,25000,,30,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : all.sub
 Sub List #2 : all.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4682	2781	38.8	36.6		100.00
Decachlorobiphenyl	18.917	26.217	4704	1704	39.5	40.2		100.00 (M)
2,4,4'-Trichlorobiphenyl	7.150	10.113	71652	43078	2000	1960		100.00
Hexachlorobiphenyl	14.480	18.427	136607	89299	2050	2040		100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV00A/E3.i/971203F.B/E3A1549F.D

Date : 04-DEC-1997 13:01

Client ID: B7-CIHS

Sample Info: D1956-01MSD,B7-CIHS,P1203-B1

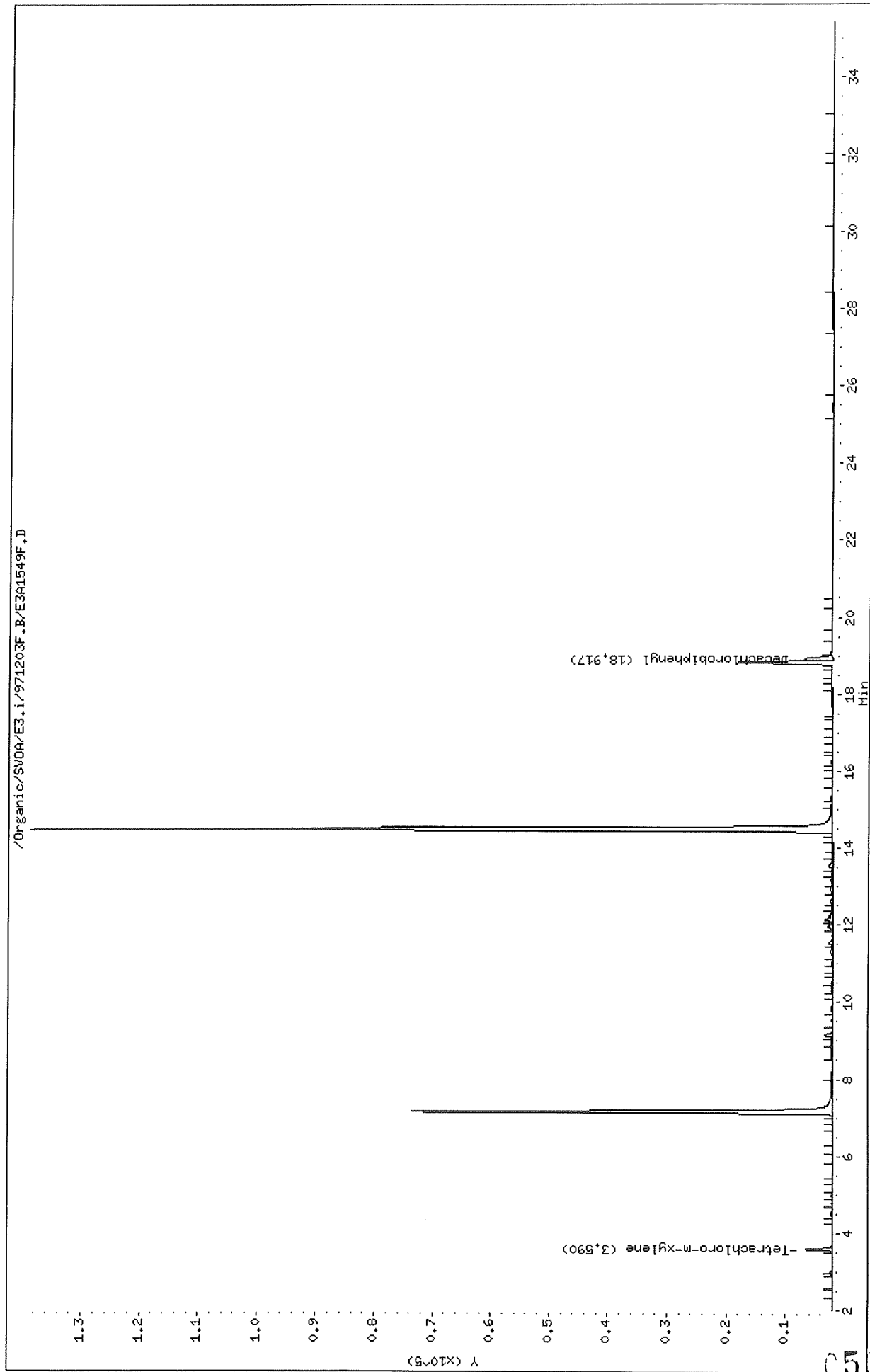
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



53

Data File: /Organic/SV0A/E3.i/971203R.B/E3A1549R.D

Date : 04-DEC-1997 13:01

Client ID: B7-C1HSD

Sample Info: D1956-01HSD,B7-C1HSD,P1203-B1

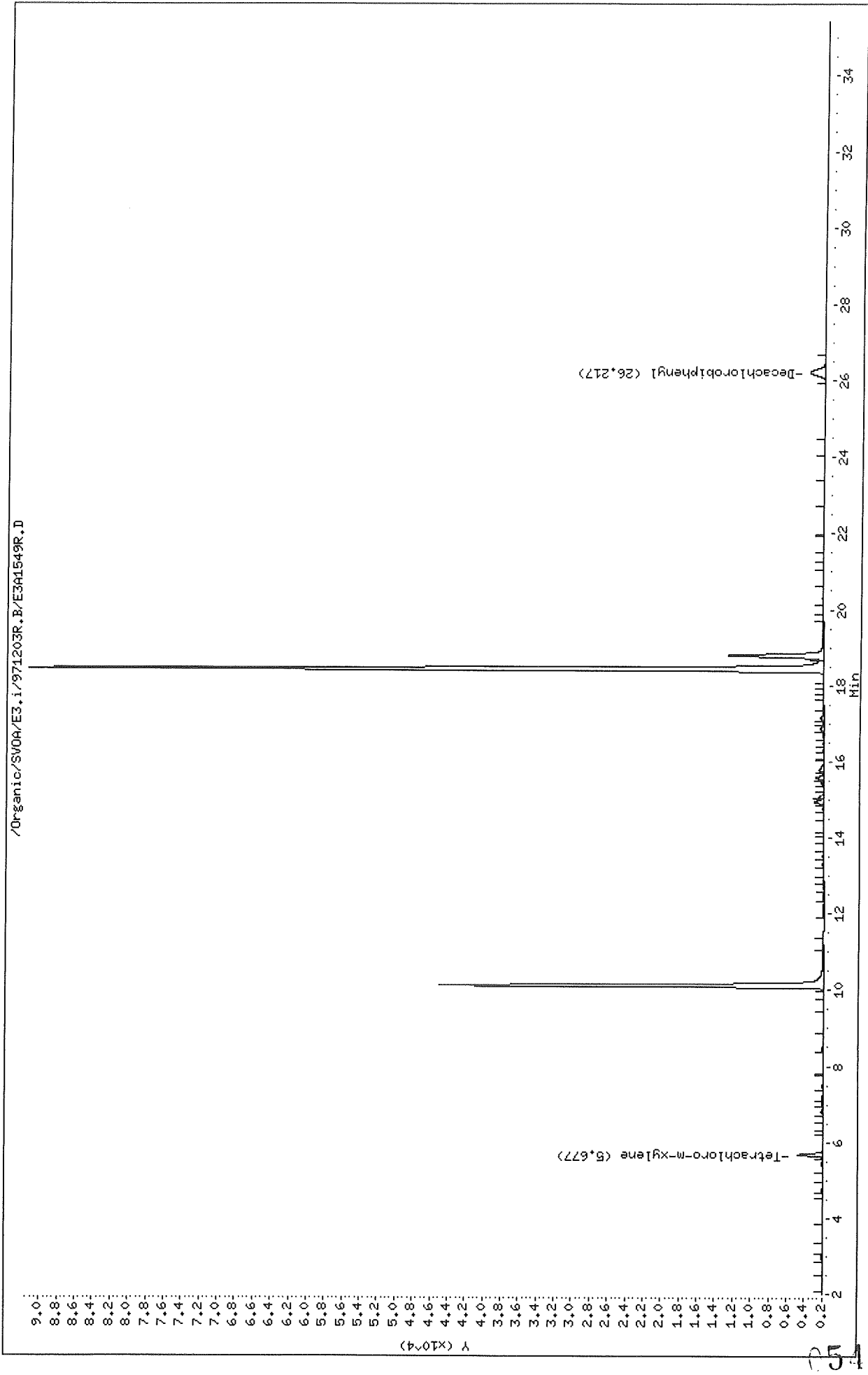
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1550F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1550R.D
 Inj Date : 04-DEC-1997 13:39
 Sample Info: D1956-02,B8-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

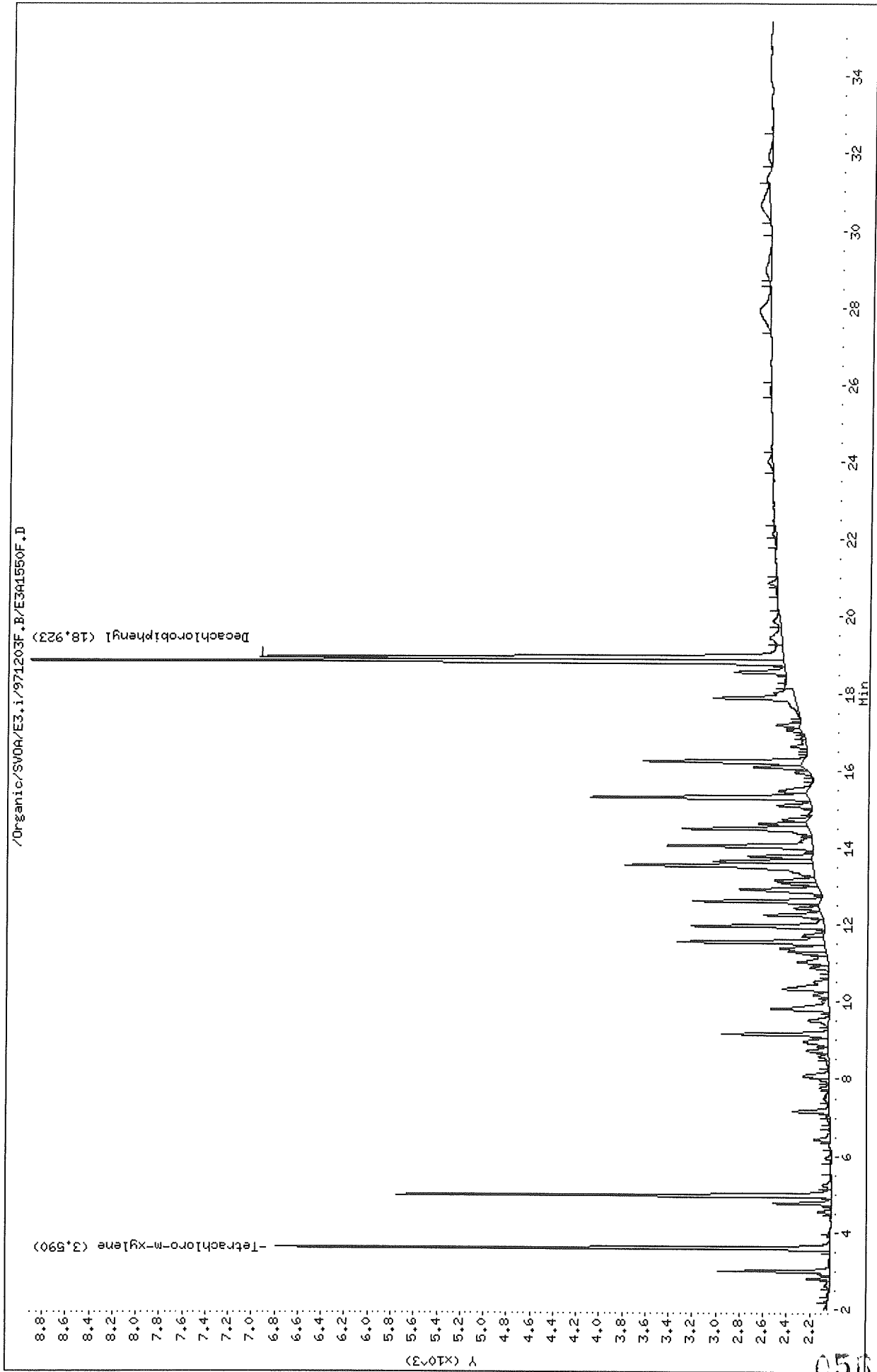
Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vi} * \text{Ws} * (100 - \text{M}) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	21.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4770	2837	43.0	40.6		100.00
Decachlorobiphenyl	18.923	26.223	4493	1780	41.1	45.7		100.00
Aroclor-1260	14.490	18.330	1074	495	254	217	80.00- 120.00	100.00
	15.297	18.790	1848	4754	221	937	179.01- 219.01	172.07
	16.230	20.313	1353	714	228	274	120.84- 160.84	125.98
Average of Peak Amounts =					234	476		

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1550F.D
Date : 04-DEC-1997 13:39
Client ID: B8-C1
Sample Info: D1956-02,B8-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1550R.D

Date : 04-DEC-1997 13:39

Client ID: B8-C1

Sample Info: I1956-02,B8-C1,P1203-B1

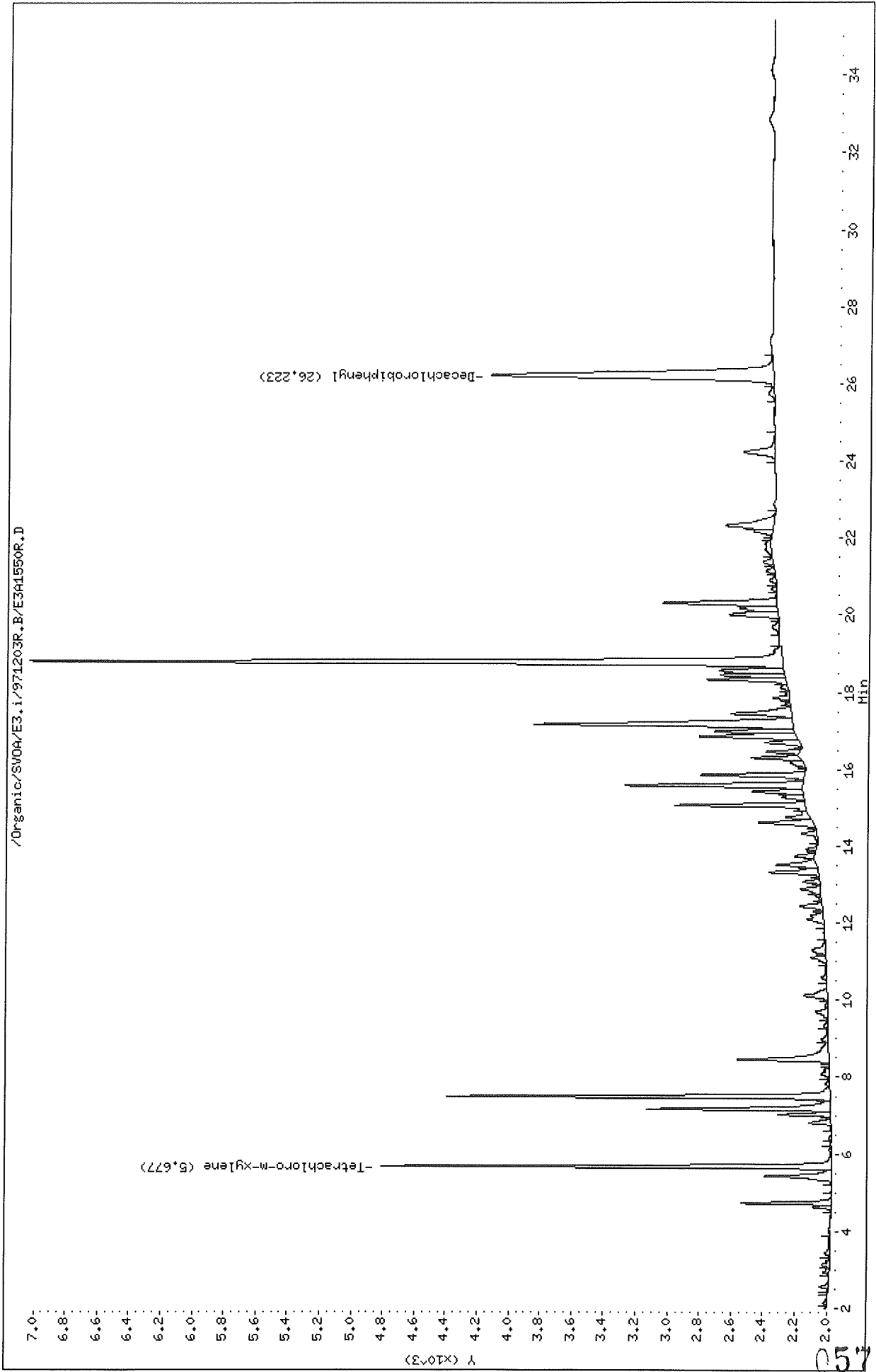
Volume Injected (uL): 2.0

Column phase: IB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1551F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1551R.D
 Inj Date : 04-DEC-1997 14:17
 Sample Info: D1956-03,C7-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	21.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4510	2655	40.7	38.0		100.00
Decachlorobiphenyl	18.923	26.223	4072	1648	37.3	42.3		100.00
Aroclor-1260	14.487	18.330	1792	640	427	281	80.00- 120.00	100.00
	15.293	18.773	2449	2583	293	502	179.01- 219.01	136.66
	16.230	20.310	1859	967	313	373	120.84- 160.84	103.74
Average of Peak Amounts =					344	385		

Handwritten calculations:

$$\frac{293 + 313}{2} = 303$$

Ⓚ

~~$$\frac{(293 + 313) \times 25}{2} \times 1$$

$$15 \times 0.79$$~~

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1551F.D

Date : 04-DEC-1997 14:17

Client ID: C7-C1

Sample Info: D1956-03.C7-C1.P1203-B1

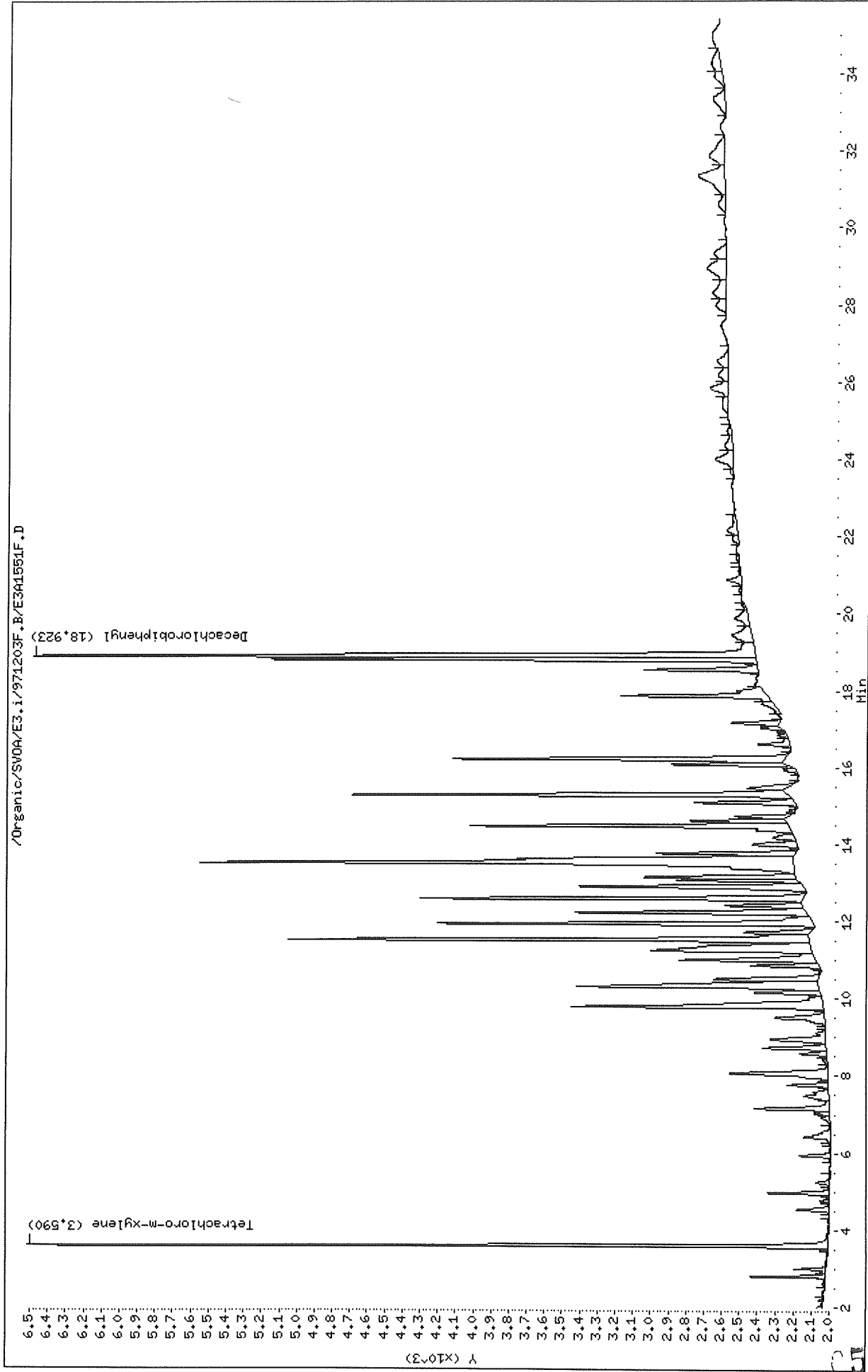
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

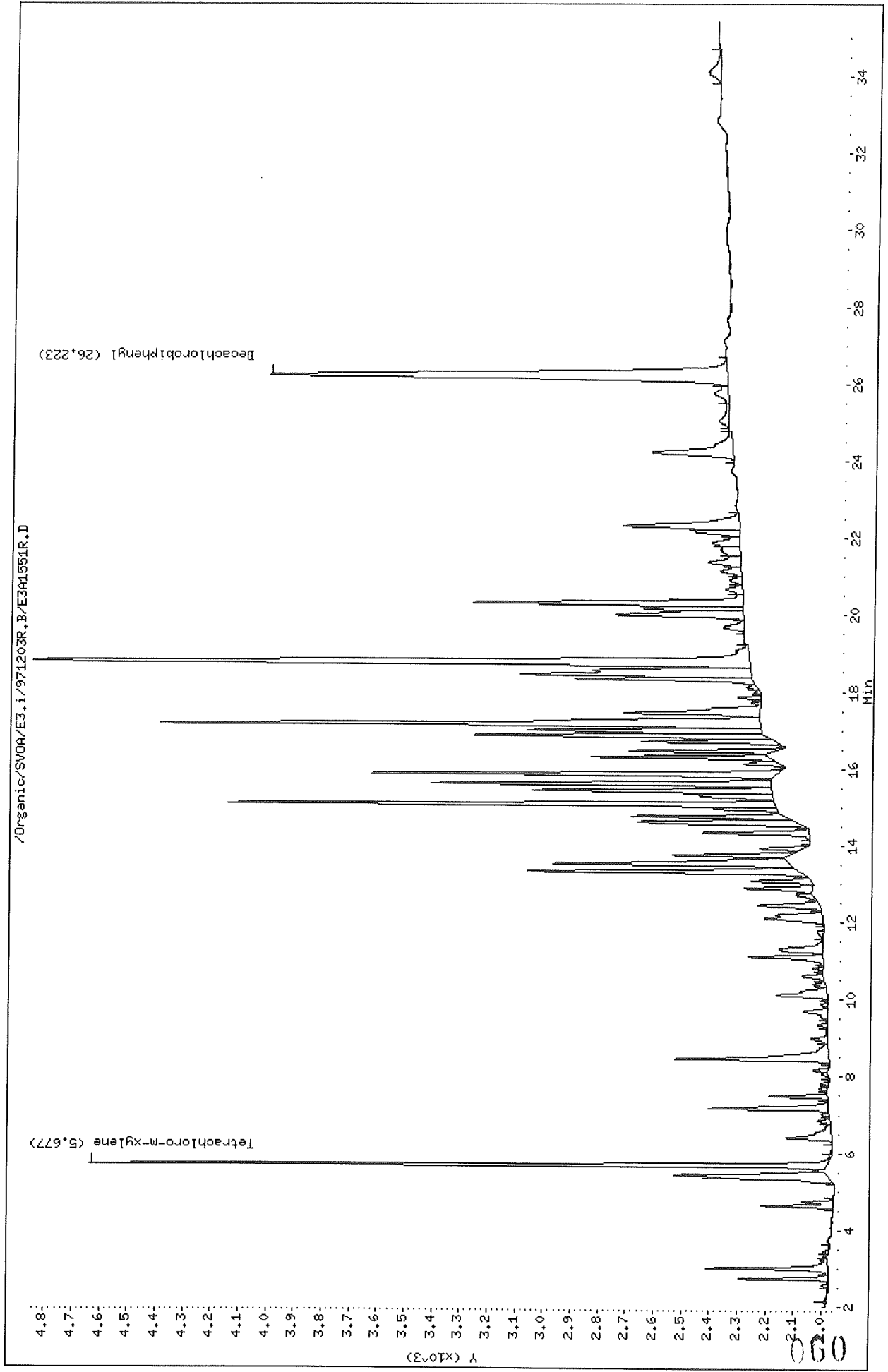
Operator: jfs

Column diameter: 0.53

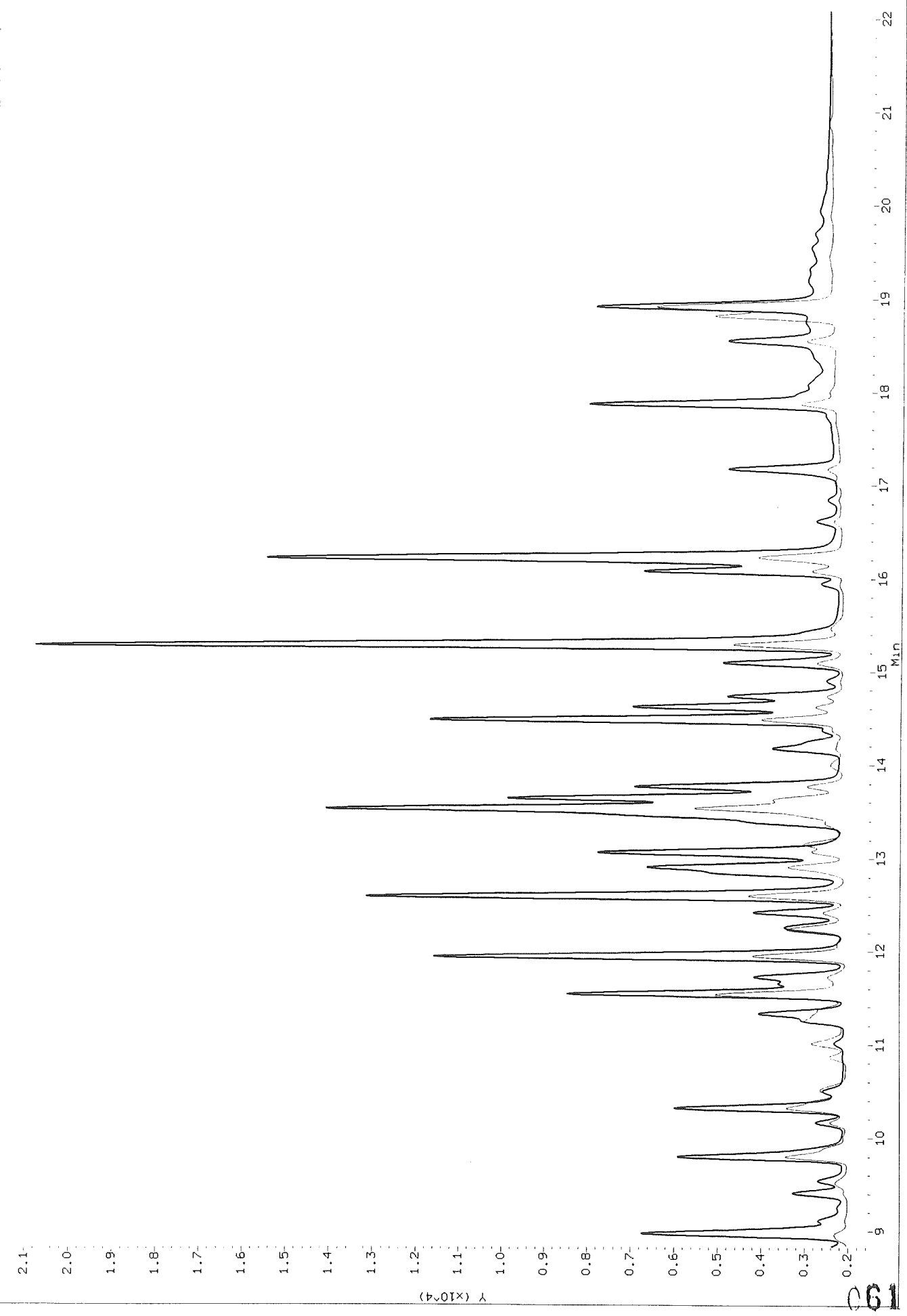


Data File: /Organic/SV00A/E3.i/971203R.B/E3A1551R.D
Date : 04-DEC-1997 14:17
Client ID: C7-C1
Sample Info: D1956-03.C7-C1.P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



File: HP GC E3A1551F.D, Channel A Inj. Date: 04-DEC-1997 14:17
File: HP GC E3A1558F.D, Channel A Inj. Date: 04-DEC-1997 18:44



Data File: \Organic\SVOA\E3.i\971203F.B\E3A1552F.D
 Report Date: 08-Dec-1997 11:02

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1552F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1552R.D
 Inj Date : 04-DEC-1997 14:55
 Sample Info: D1956-04,C8-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	12.000	% Moisture

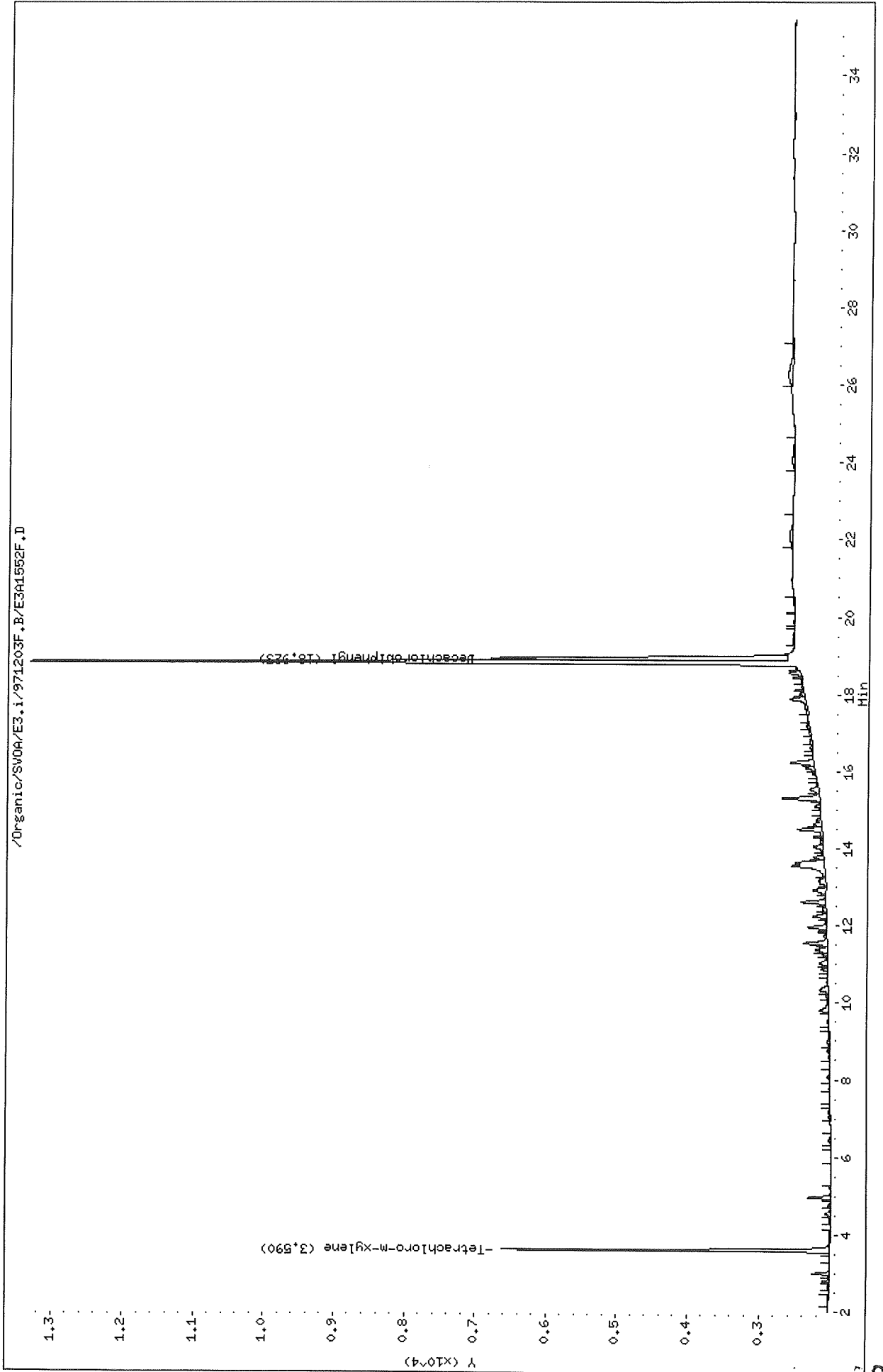
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4603	2705	37.3	34.8		100.00
Decachlorobiphenyl	18.923	26.227	4171	1651	34.3	38.0		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV04/E3.i/971203F.B/E3H1552F.D
Date : 04-DEC-1997 14:55
Client ID: C8-C1
Sample Info: D1956-04,C8-C1,F1203-B1
Volume Injected (ul): 2.0
Column Phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.i/971203R.B/E3A1552R.D

Date : 04-DEC-1997 14:55

Client ID: C8-C1

Sample Info: D1956-04,C8-C1,F1203-B1

Volume Injected (uL): 2.0

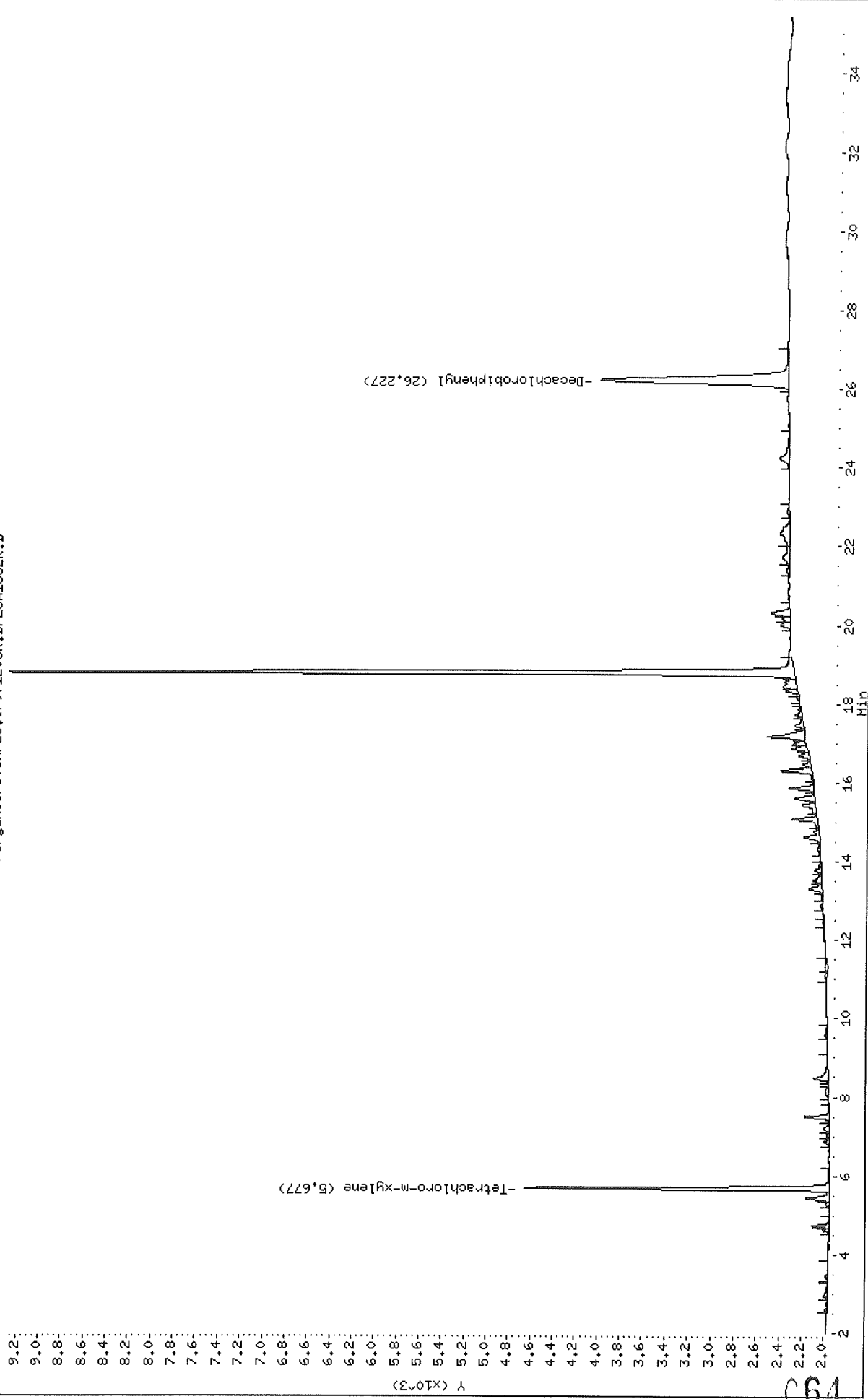
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV00A/E3.i/971203R.B/E3A1552R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1553F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1553R.D
 Inj Date : 04-DEC-1997 15:33
 Sample Info: D1956-05,C9-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	15.000	% Moisture

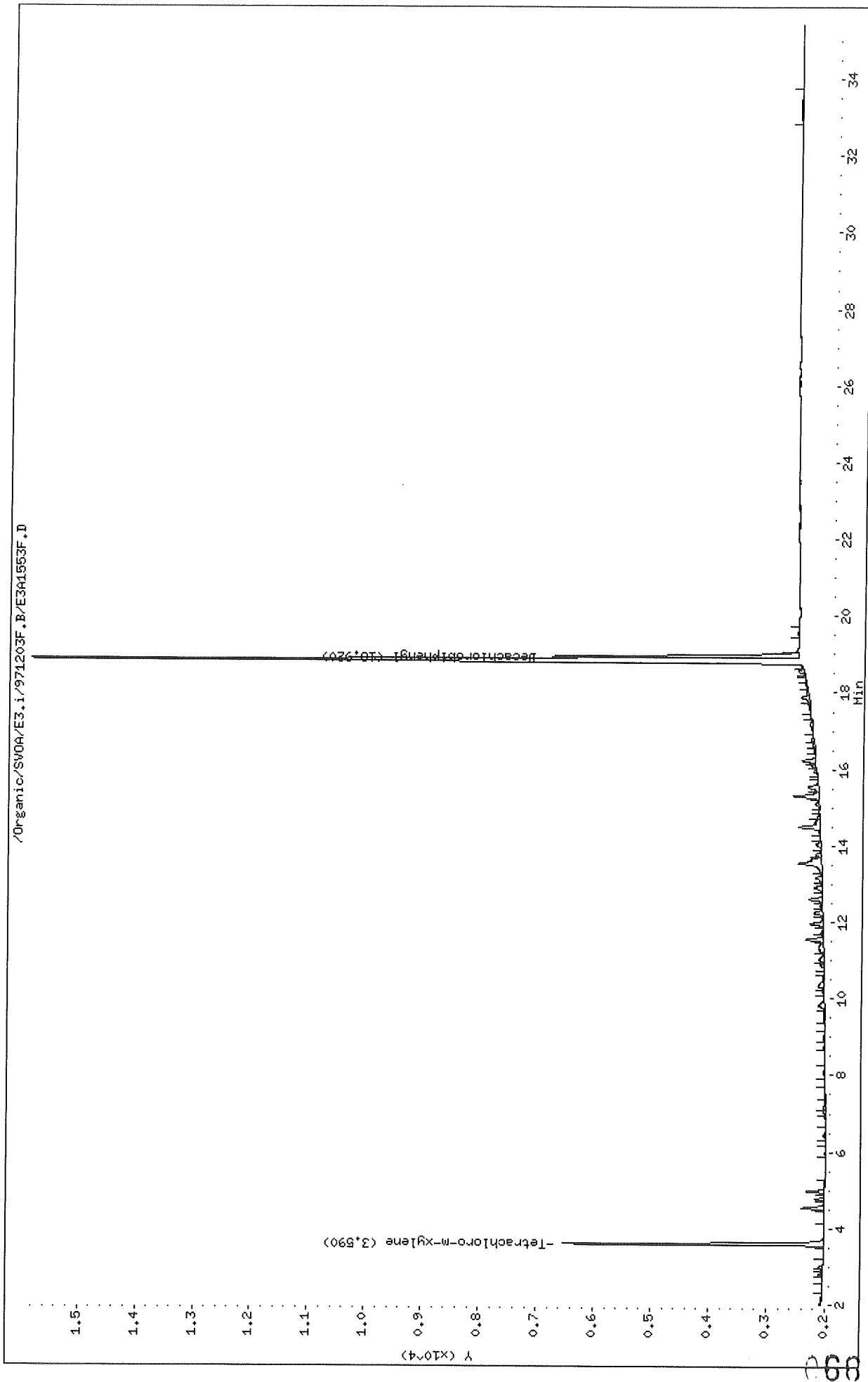
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	4529	2673	38.0	35.6		100.00
Decachlorobiphenyl	18.920	26.220	4269	1620	36.3	38.6		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SW0A/E3.i/971203F.B/E3A1553F.D
Date : 04-DEC-1997 15:33
Client ID: C9-C1
Sample Info: D1956-05,C9-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1553R.D

Date : 04-DEC-1997 15:33

Client ID: C9-C1

Sample Info: II1956-05,C9-C1,F1203-B1

Volume Injected (uL): 2.0

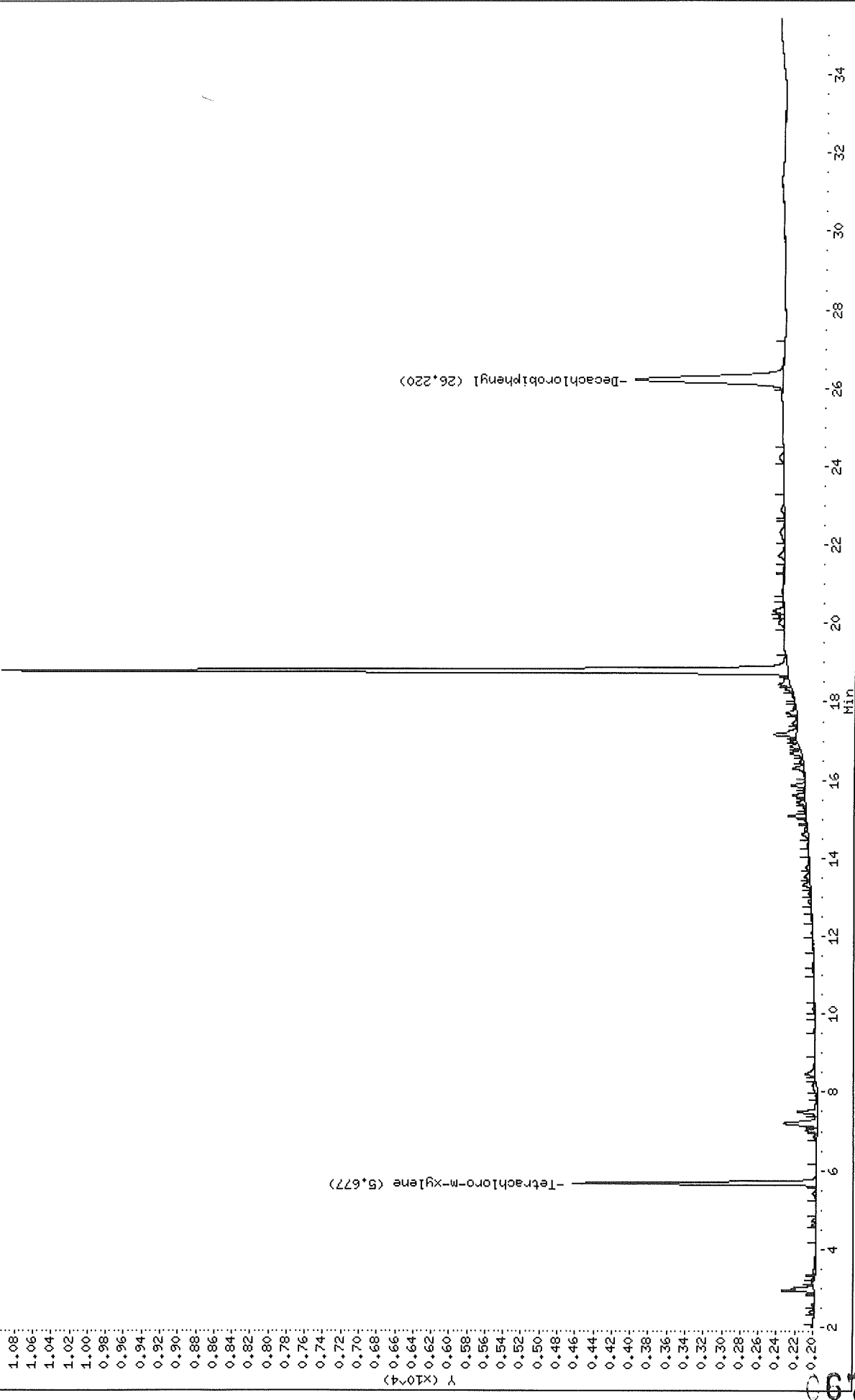
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1553R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1554F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1554R.D
 Inj Date : 04-DEC-1997 16:11
 Sample Info: D1956-06,D7-C1P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

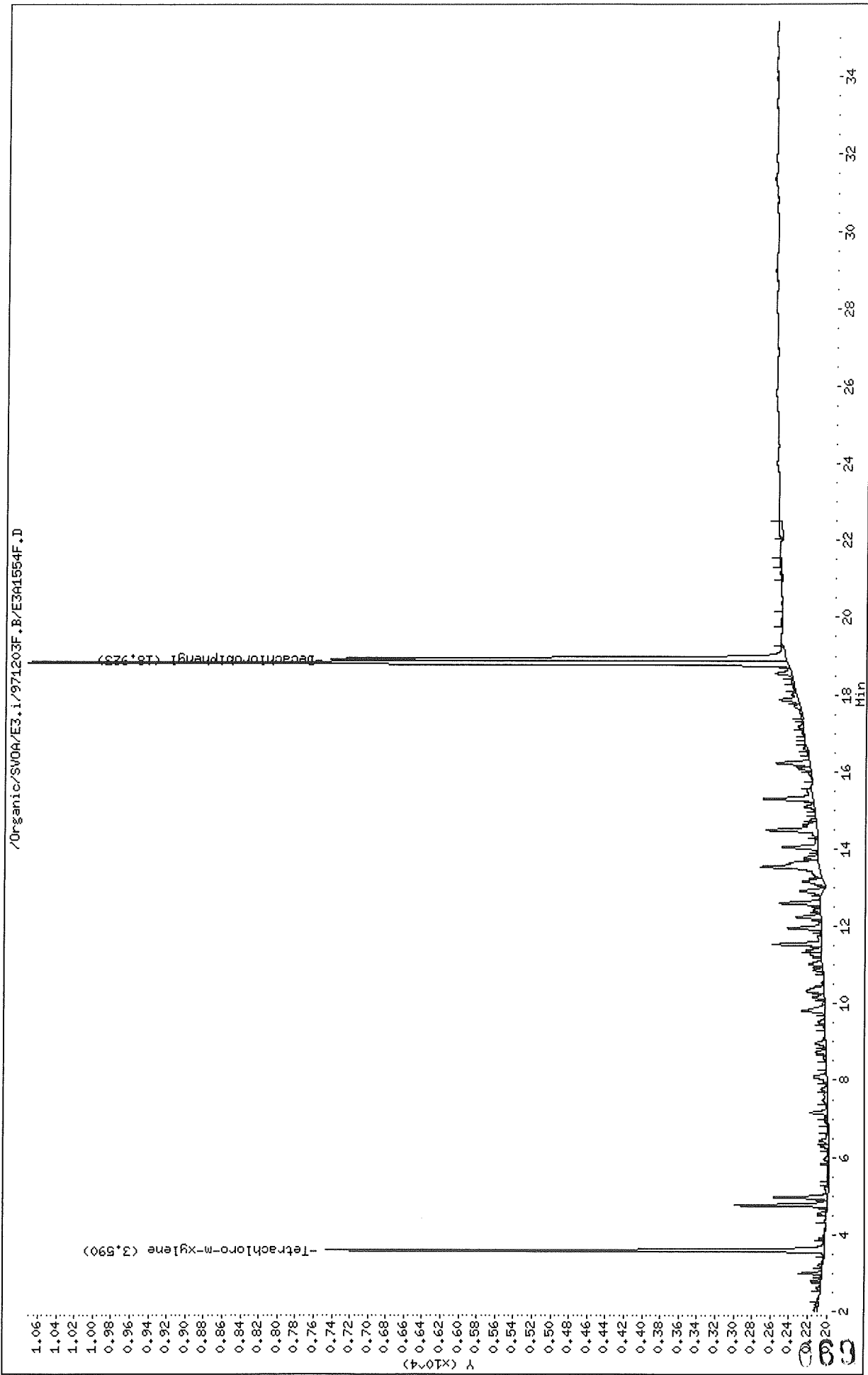
Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	12.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.677	5443	3199	44.1	41.1		100.00
Decachlorobiphenyl	18.923	26.223	4967	1924	40.8	44.3		100.00

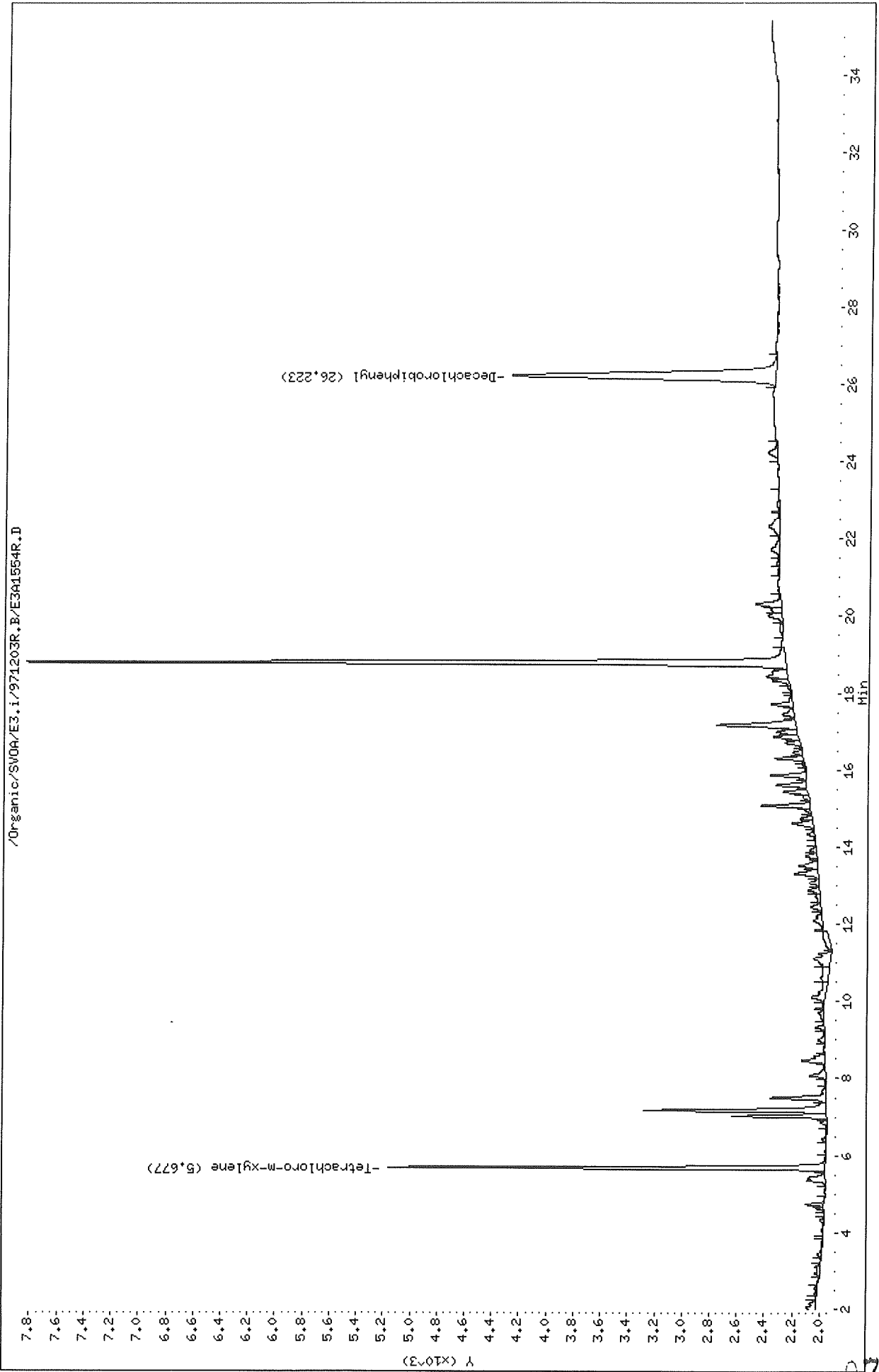
Data File: /Organic/SV00A/E3.i/971203F.B/E3A1554F.D
 Date : 04-DEC-1997 16:11
 Client ID: D7-C1P1203-B1
 Sample Info: D1956-06,D7-C1P1203-B1
 Volume Injected (uL): 2.0
 Column phase: DB-1701

Instrument: E3.i
 Operator: jfs
 Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1554R.D
Date : 04-DEC-1997 16:11
Client ID: D7-C1P1203-B1
Sample Info: D1956-06,D7-C1P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1560F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1560R.D
 Inj Date : 04-DEC-1997 20:00
 Sample Info: D1956-07,B7-E5-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * \text{Vt} / (\text{Vi} * \text{Ws} * (100 - \text{M}) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	17.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4834	2830	41.5	38.6		100.00
Decachlorobiphenyl	18.907	26.237	4793	1729	41.7	42.2		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1560F.D

Date : 04-DEC-1997 20:00

Client ID: B7-E5-C1

Sample Info: D1956-07.B7-E5-C1.P1203-B1

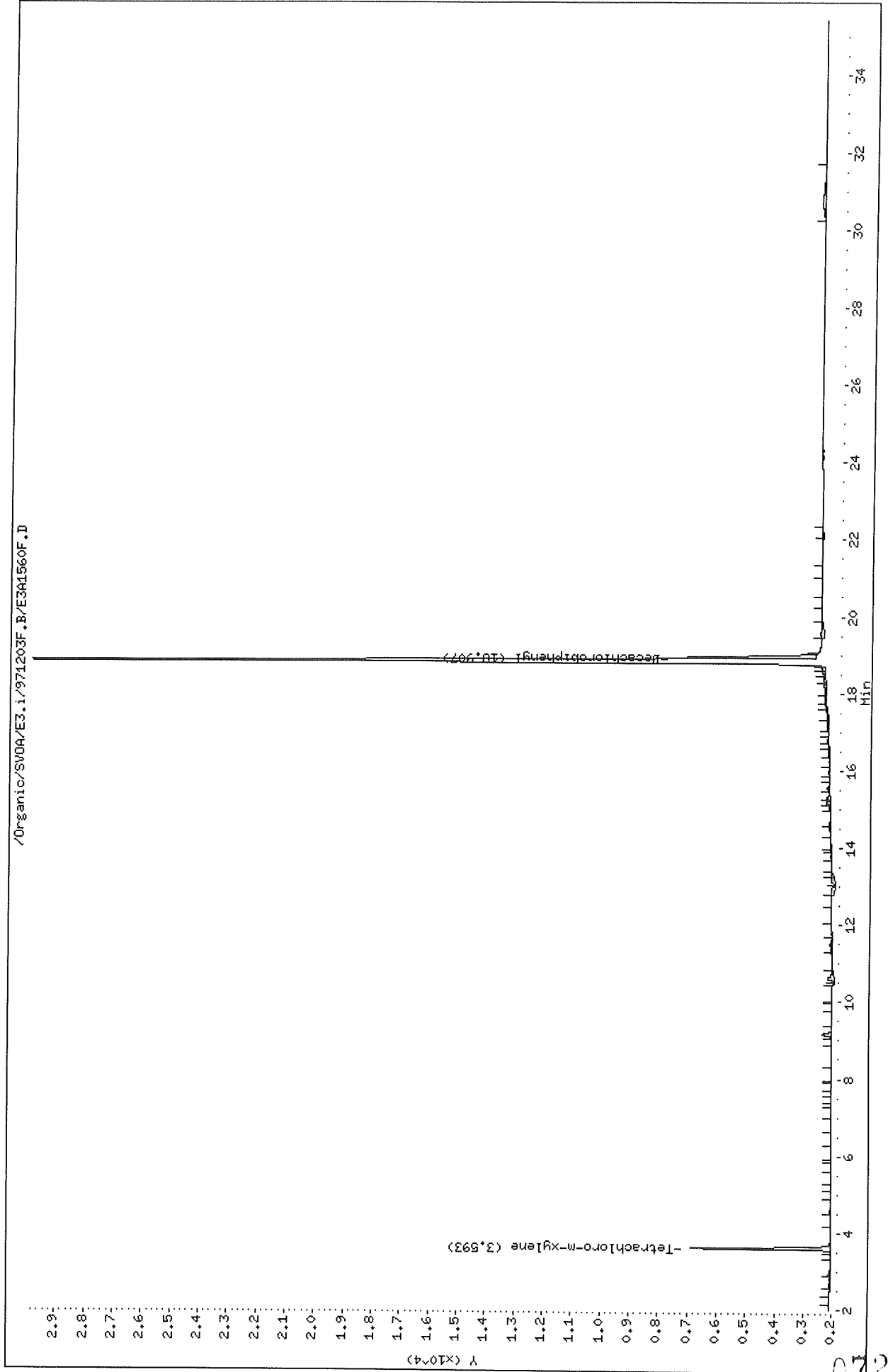
Volume Injected (uL): 2.0

Column Phase: DB-1701

Instrument: E3.i

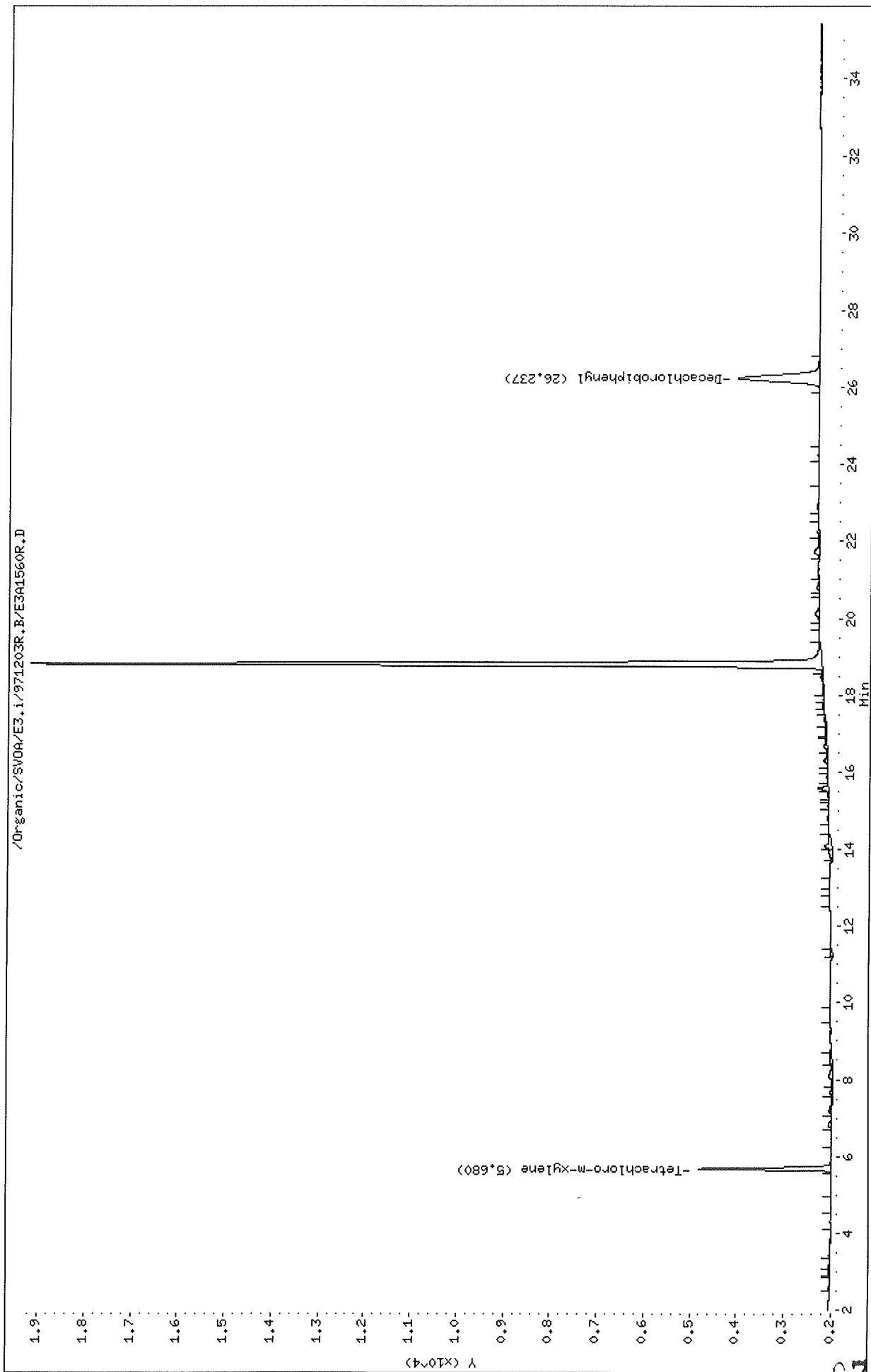
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1560R.D
Date : 04-DEC-1997 20:00
Client ID: B7-E5-C1
Sample Info: D1956-07,B7-E5-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1561F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1561R.D
 Inj Date : 04-DEC-1997 20:38
 Sample Info: D1956-08,E6-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	13.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4259	2534	34.9	33.0		100.00
Decachlorobiphenyl	18.893	26.237	4643	1584	38.6	36.9		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1561F.D

Date : 04-DEC-1997 20:38

Client ID: E6-C1

Sample Info: D1956-08,E6-C1,P1203-B1

Volume Injected (uL): 2.0

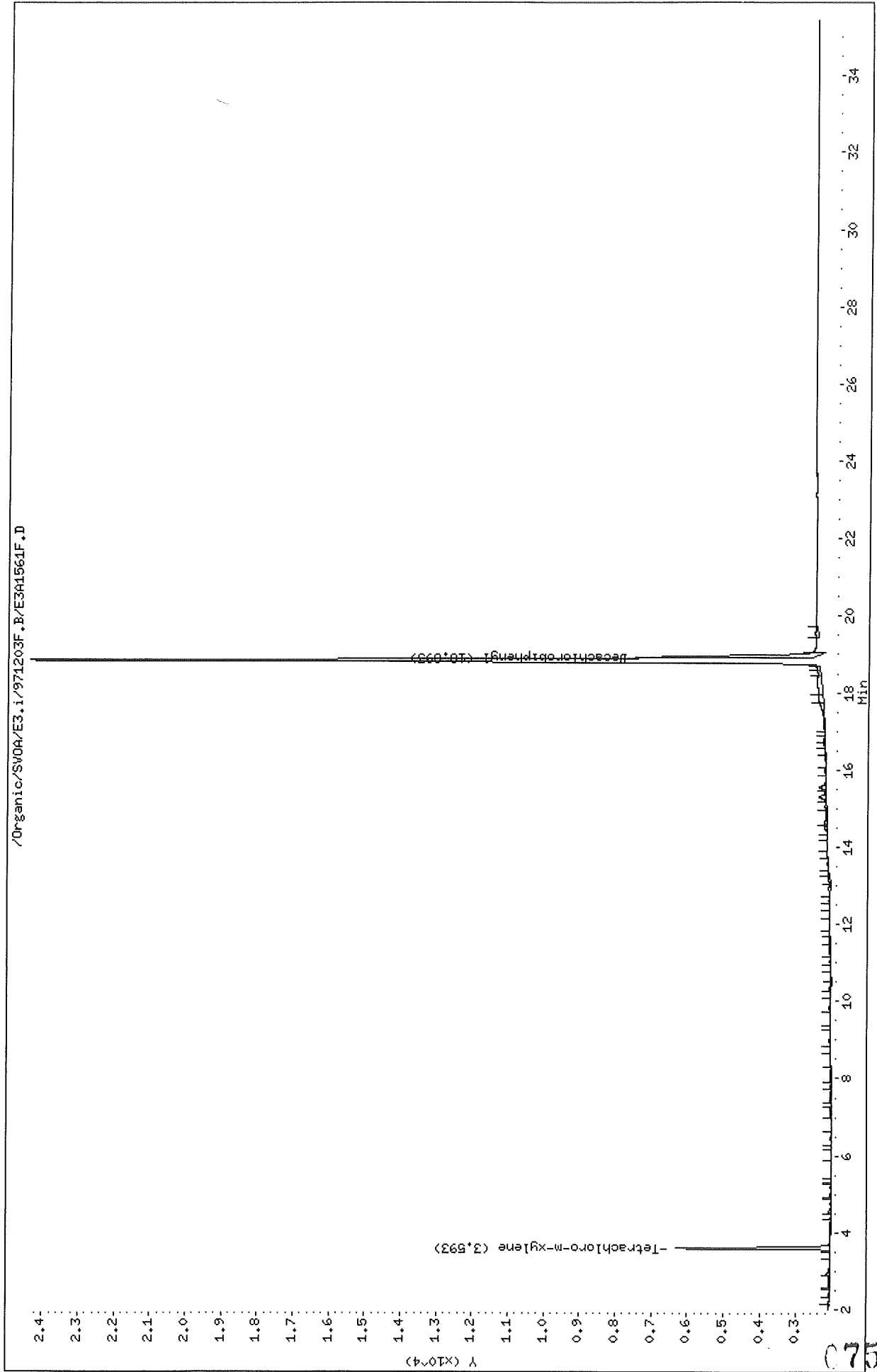
Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

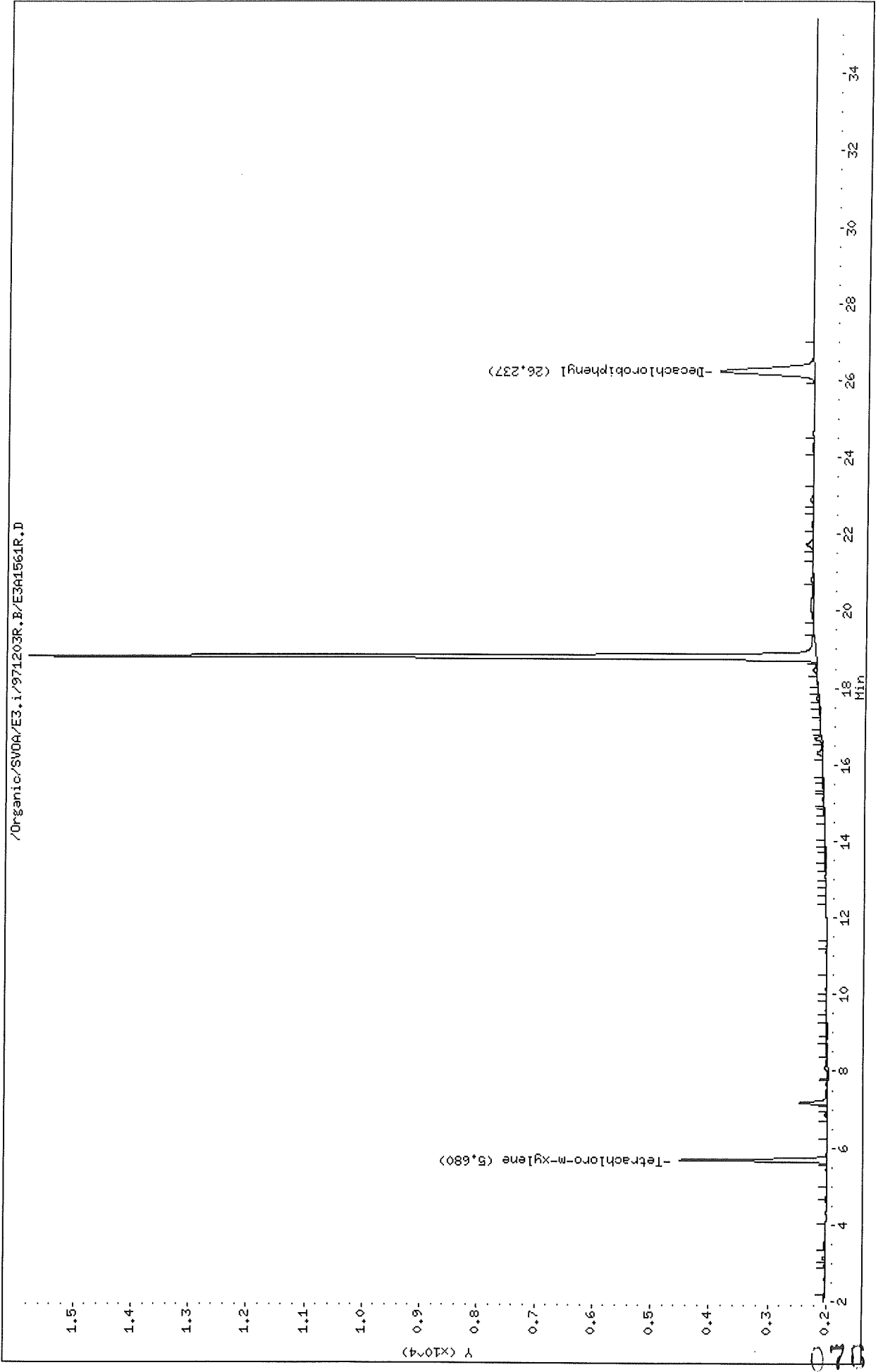
/Organic/SV0A/E3.i/971203F.B/E3A1561F.D



25

Data File: /Organic/SV0A/E3.i/971203R.B/E3A1561R.D
Date : 04-DEC-1997 20:38
Client ID: E6-C1
Sample Info: D1956-08,E6-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1562F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1562R.D
 Inj Date : 04-DEC-1997 21:16
 Sample Info: D1956-09,F4-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	23.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.680	4080	2714	37.8	39.9		100.00 (M)
Decachlorobiphenyl	18.927	26.230	3704	1610	34.8	42.4		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1562F.D

Date : 04-DEC-1997 24:16

Client ID: F4-C1

Sample Info: D1956-09,F4-C1,P1203-B1

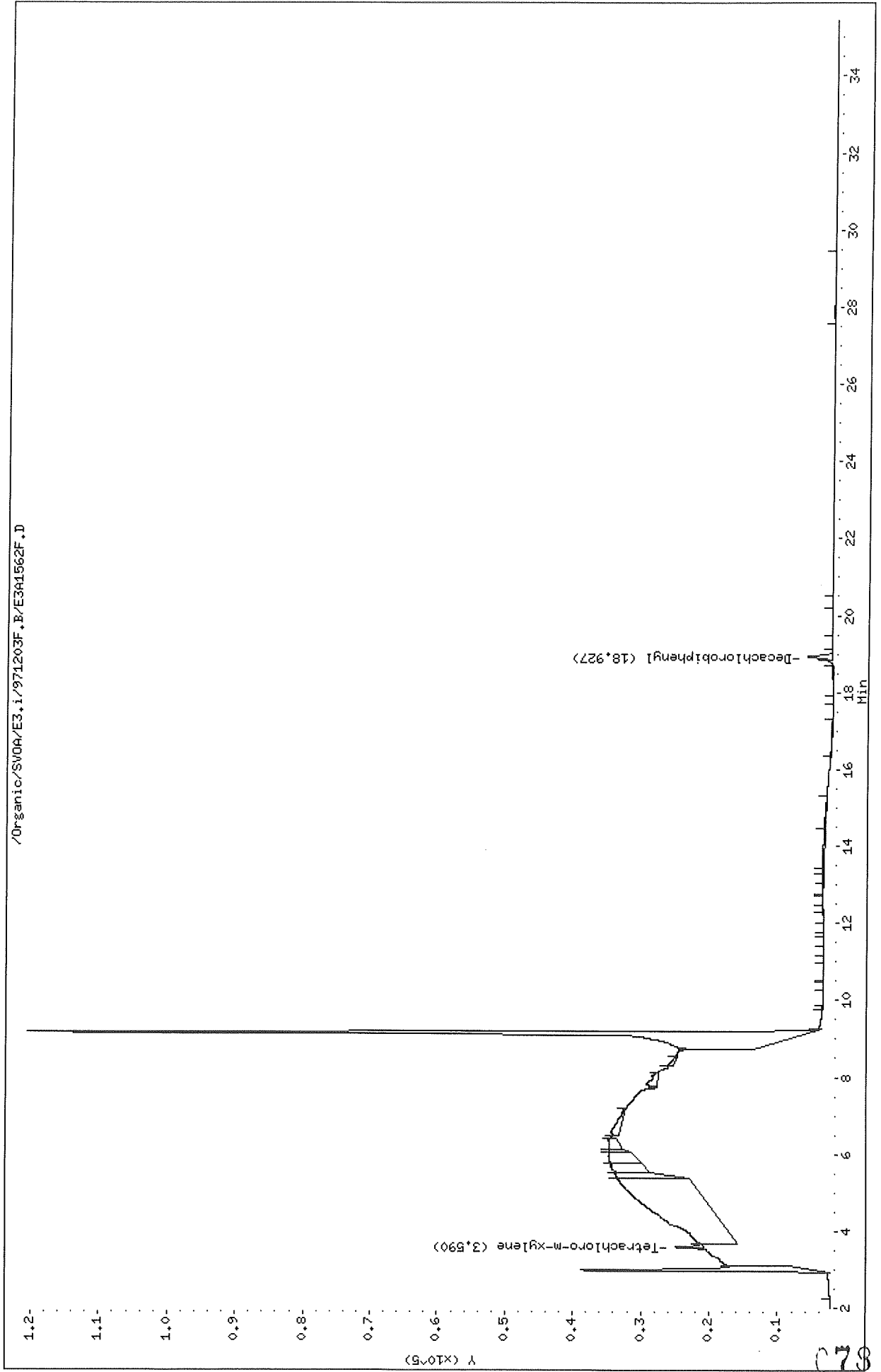
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1562R.D

Date : 04-DEC-1997 24:16

Client ID: F4-C1

Sample Info: D1956-09,F4-C1,P1203-B1

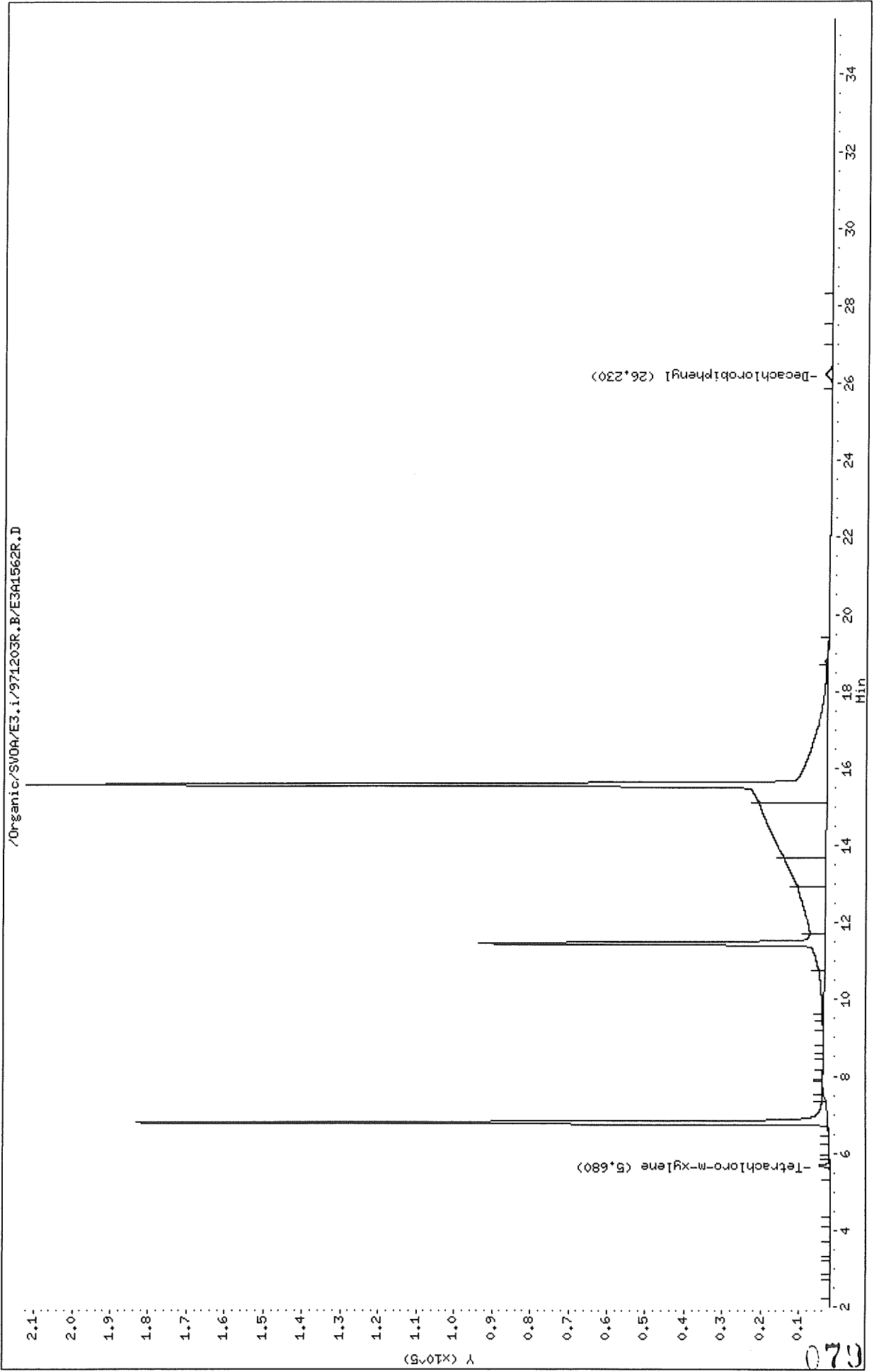
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1563F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1563R.D
 Inj Date : 04-DEC-1997 21:54
 Sample Info: D1956-10,F5-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	19.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4364	2610	38.4	36.5		100.00
Decachlorobiphenyl	18.927	26.233	3942	1572	35.2	39.3		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1563F.D

Date: 04-DEC-1997 21:54

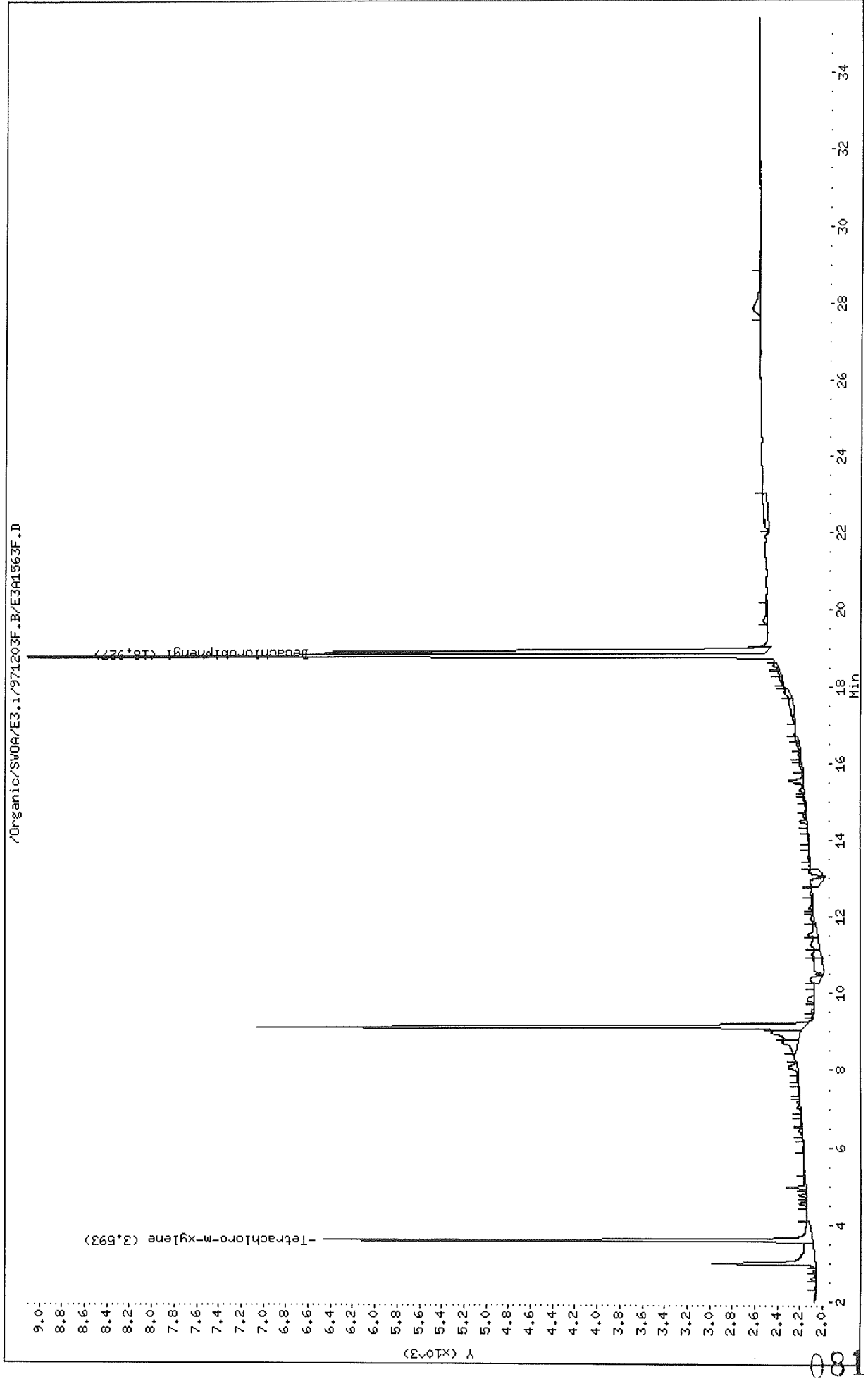
Client ID: F5-C1

Sample Info: I1956-10,F5-C1,P1203-B1

Volume Injected (ul): 2.0

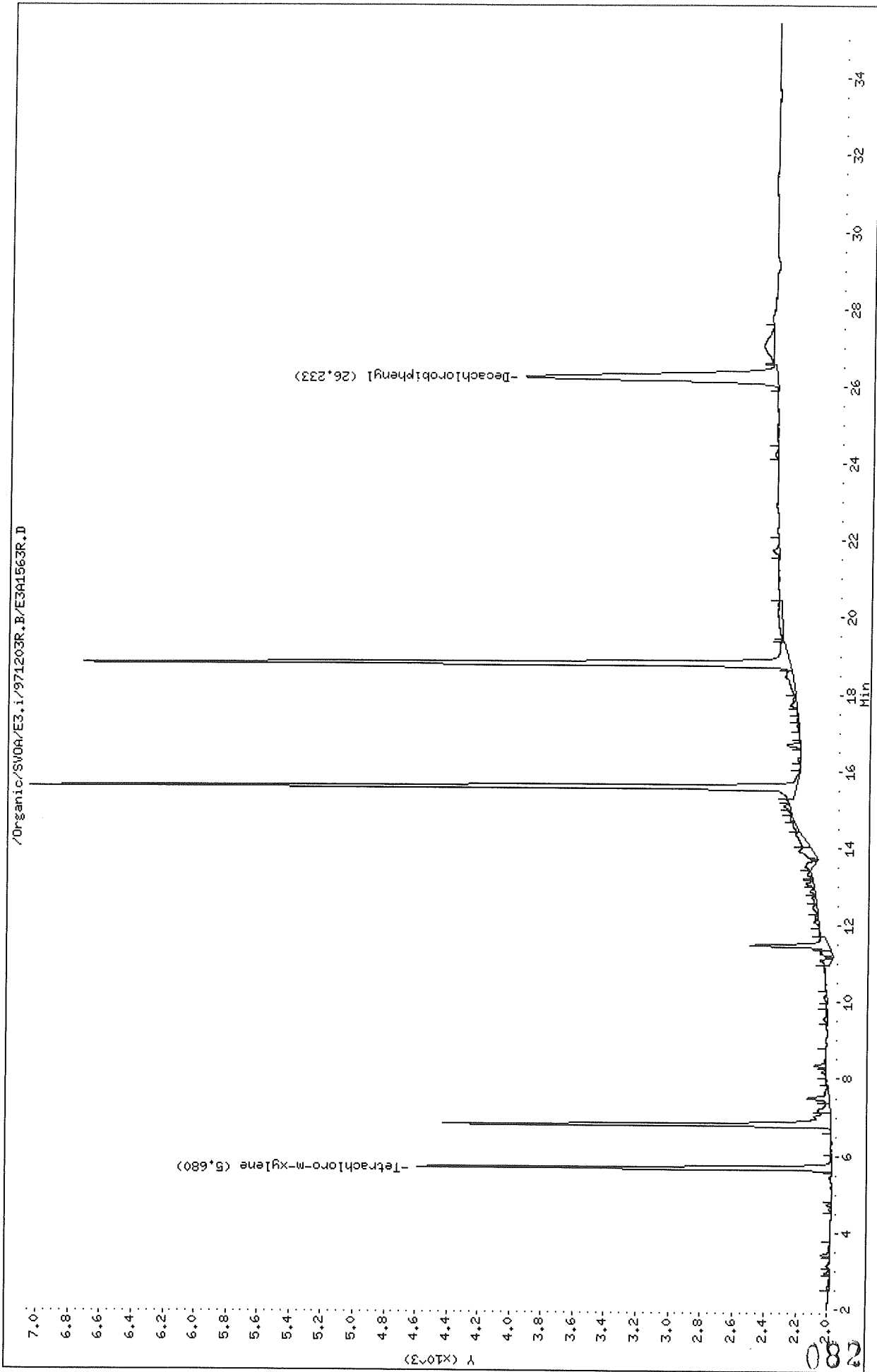
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E3A1563R.D
Date : 04-DEC-1997 21:54
Client ID: F5-C1
Sample Info: D1956-10,F5-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1564F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1564R.D
 Inj Date : 04-DEC-1997 22:32
 Sample Info: D1956-11,K5-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	8.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4651	2759	36.0	33.9		100.00
Decachlorobiphenyl	18.930	26.237	4437	1697	34.9	37.4		100.00

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1564F.D

Date: 04-DEC-1997 22:32

Client ID: K5-C1

Sample Info: D1956-11.K5-C1.P1203-B1

Volume Injected (uL): 2.0

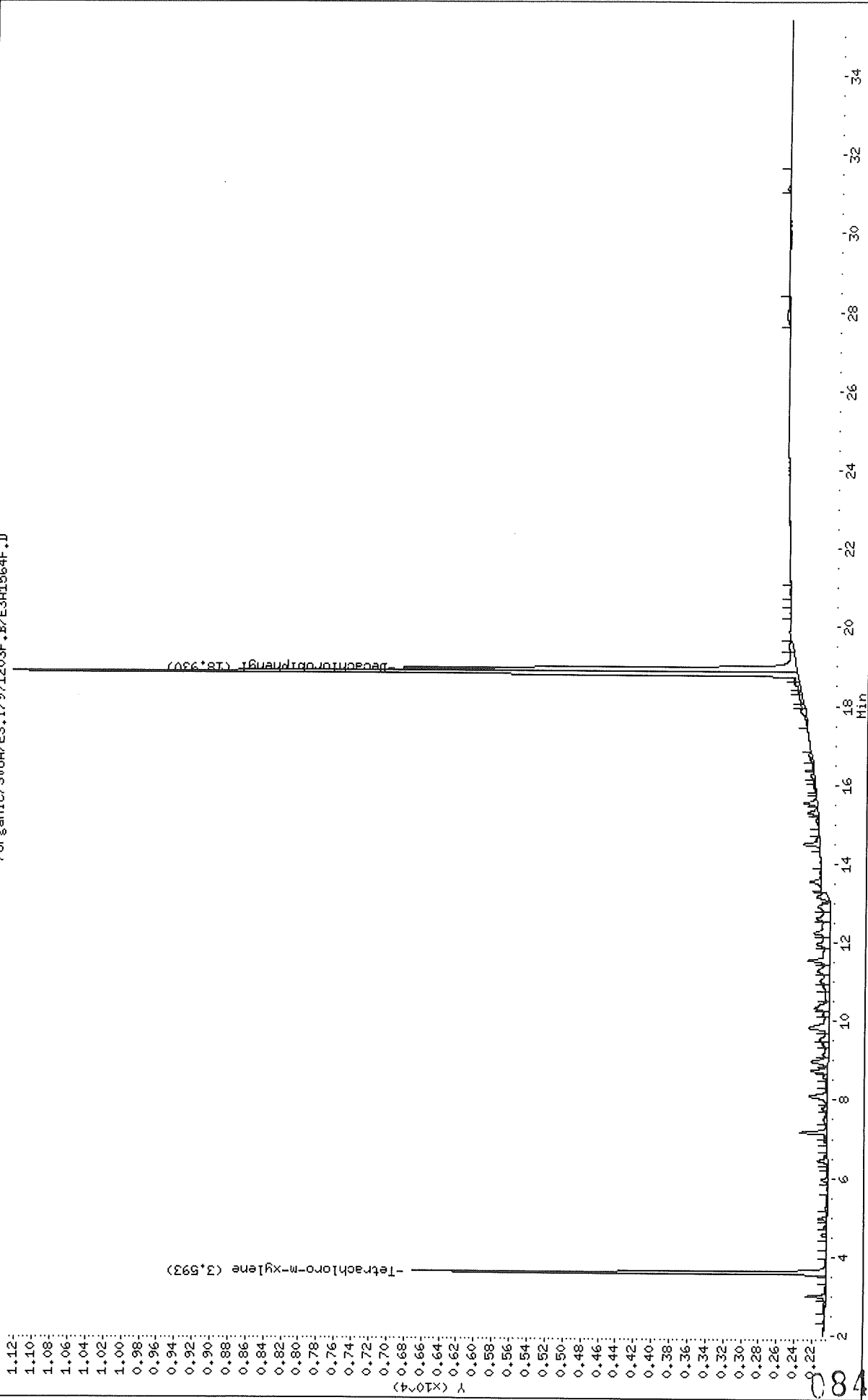
Column phase: DB-1701

Instrument: E3.1

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.1/971203F.B/E3A1564F.D



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1564R.D

Date: 04-DEC-1997 22:32

Client ID: K5-C1

Sample Info: D1956-11.K5-C1.P1203-B1

Volume Injected (uL): 2.0

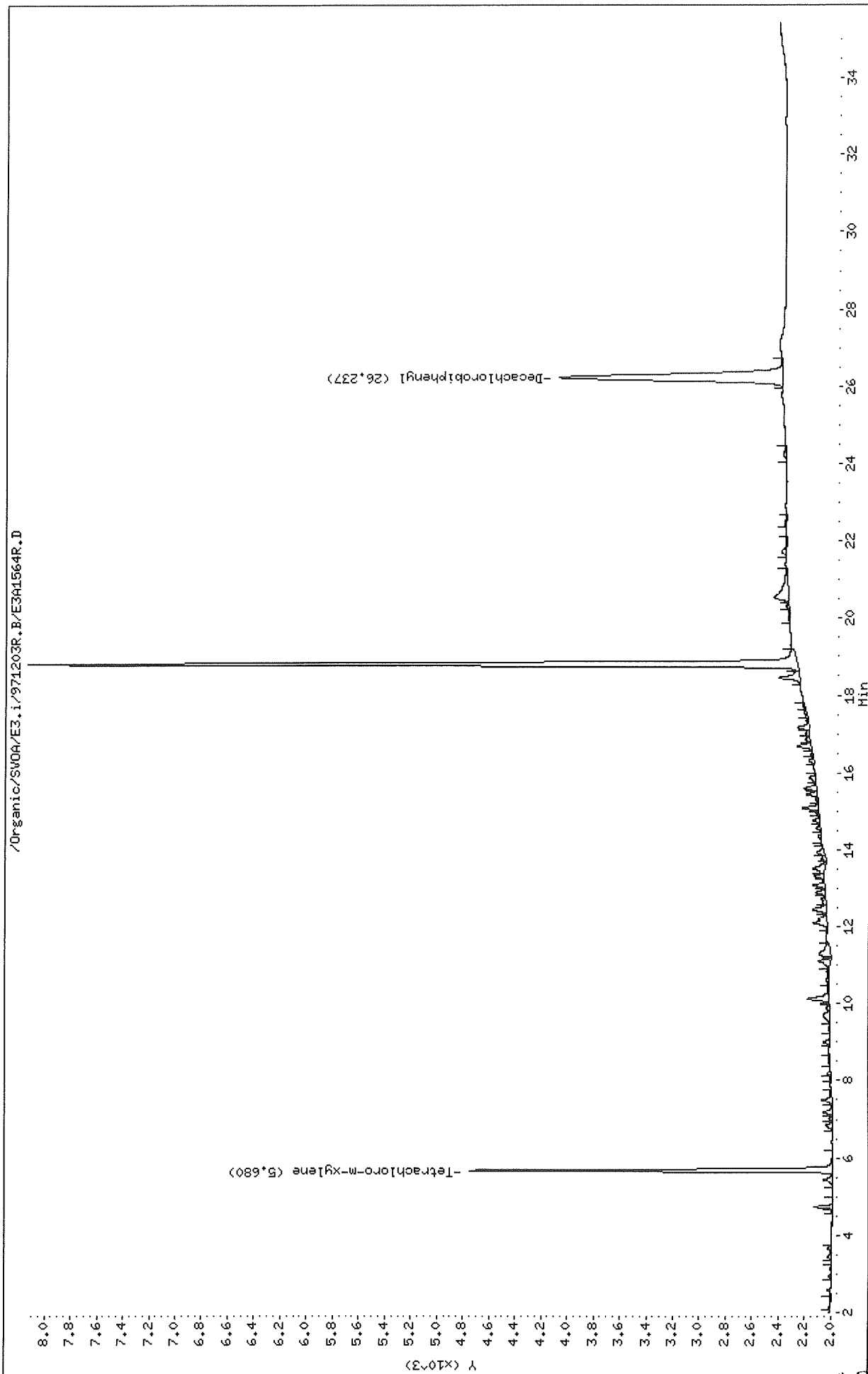
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1564R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1565F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1565R.D
 Inj Date : 04-DEC-1997 23:10
 Sample Info: D1956-12,K6-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	17.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4650	2765	39.9	37.7		100.00
Decachlorobiphenyl	18.927	26.237	4359	1650	38.0	40.3		100.00

Data File: /Organic/SV04/E3.i/971203F.B/E3A1565F.D

Date : 04-DEC-1997 23:10

Client ID: K6-C1

Sample Info: D4956-12.K6-C1.P1203-B1

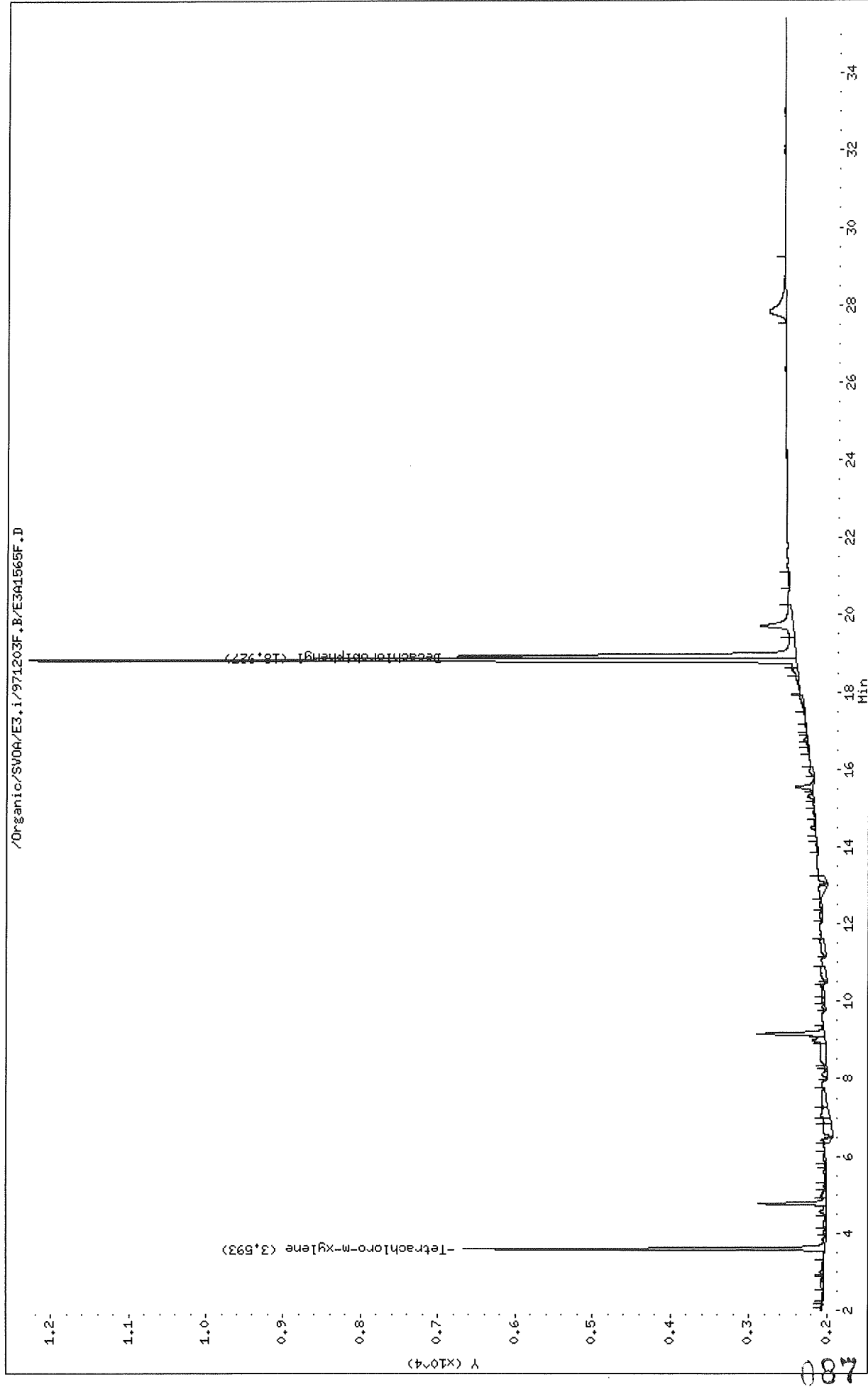
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

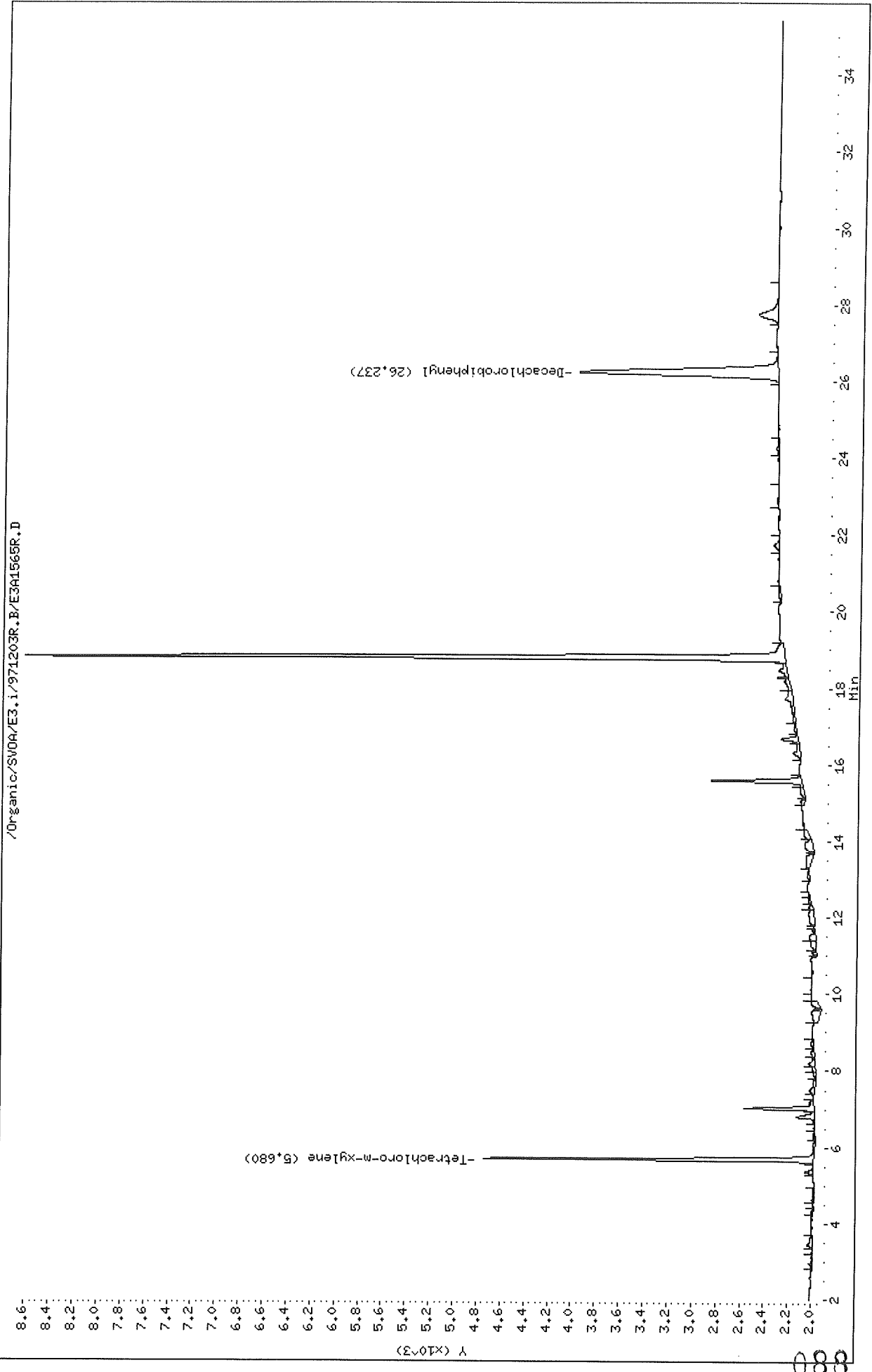
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E3A1565R.D
Date : 04-DEC-1997 23:10
Client ID: K6-C1
Sample Info: D1956-12,K6-C1,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1575F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1575R.D
 Inj Date : 05-DEC-1997 05:30
 Sample Info: D1956-13,E6-C1(D),P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4646	2731	38.5	35.9		100.00
Decachlorobiphenyl	18.927	26.243	4409	1683	37.1	39.7		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1575F.D

Date : 05-DEC-1997 05:30

Client ID: E6-C1(D)

Sample Info: I1956-13,E6-C1(D),P1203-B1

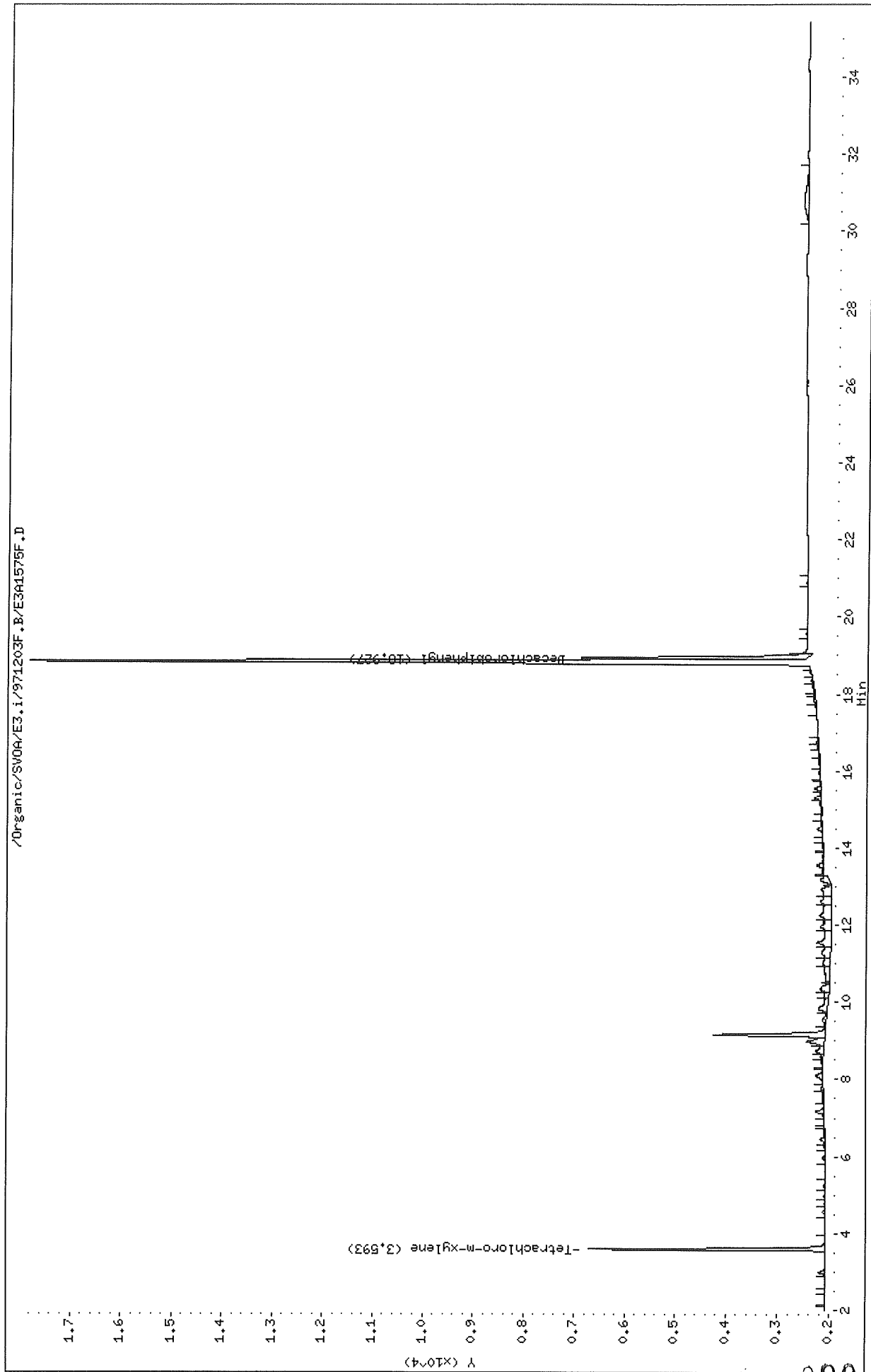
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1575R.D

Date : 05-DEC-1997 05:30

Client ID: E6-C1(D)

Sample Info: D1956-13,E6-C1(D),P1203-B1

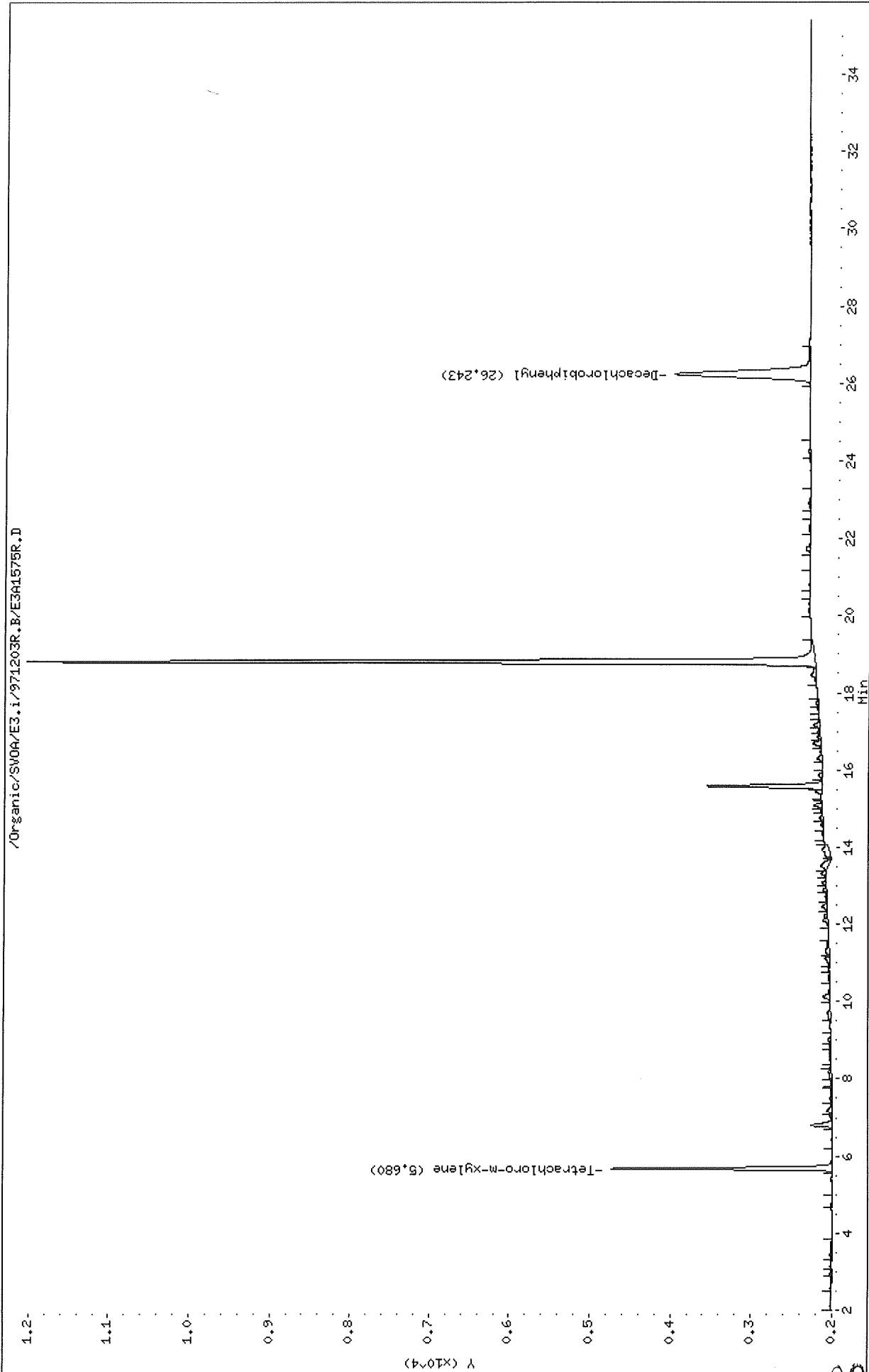
Volume Injected (ul): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1576F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1576R.D
 Inj Date : 05-DEC-1997 06:08
 Sample Info: D1956-14, PS-1904, P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

(9104) K

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4366	2590	31	29		100.00
Decachlorobiphenyl	18.927	26.237	4390	1701	32	34		100.00
Aroclor-1016	5.947	8.983	47540	26710	17000	16000	80.00- 120.00	100.00 (A)
	6.560	9.880	22515	14655	18000	17000	24.49- 64.49	47.36 (A)
	7.150	10.107	93111	44609	16000	16000	157.24- 197.24	195.86 (A)
	Average of Peak Amounts =				17000	16000		
Aroclor-1242	5.947	8.983	47540	26710	21000	20000	80.00- 120.00	100.00 (A)
	7.150	10.107	93111	44609	18000	18000	157.04- 197.04	195.86 (A)
	8.093	12.090	36020	18908	20000	18000	59.99- 99.99	75.77 (A)
	8.727	12.883	36998	19890	19000	17000	57.89- 97.89	77.82 (A)
	9.847	13.070	44889	25895	18000	17000	65.32- 105.32	94.42 (A)
	Average of Peak Amounts =				19000	18000		
Aroclor-1248	8.727	12.467	36998	14935	16000	14000	80.00- 120.00	100.00 (A)
	8.973	12.883	34539	19890	16000	12000	69.62- 109.62	93.35 (A)
	9.847	13.070	44889	25895	14000	15000	101.12- 141.12	121.33 (A)

GC
12/17/97

Data File: \Organic\SVOA\E3.i\971203F.B\E3A1576F.D
Report Date: 15-Dec-1997 14:28

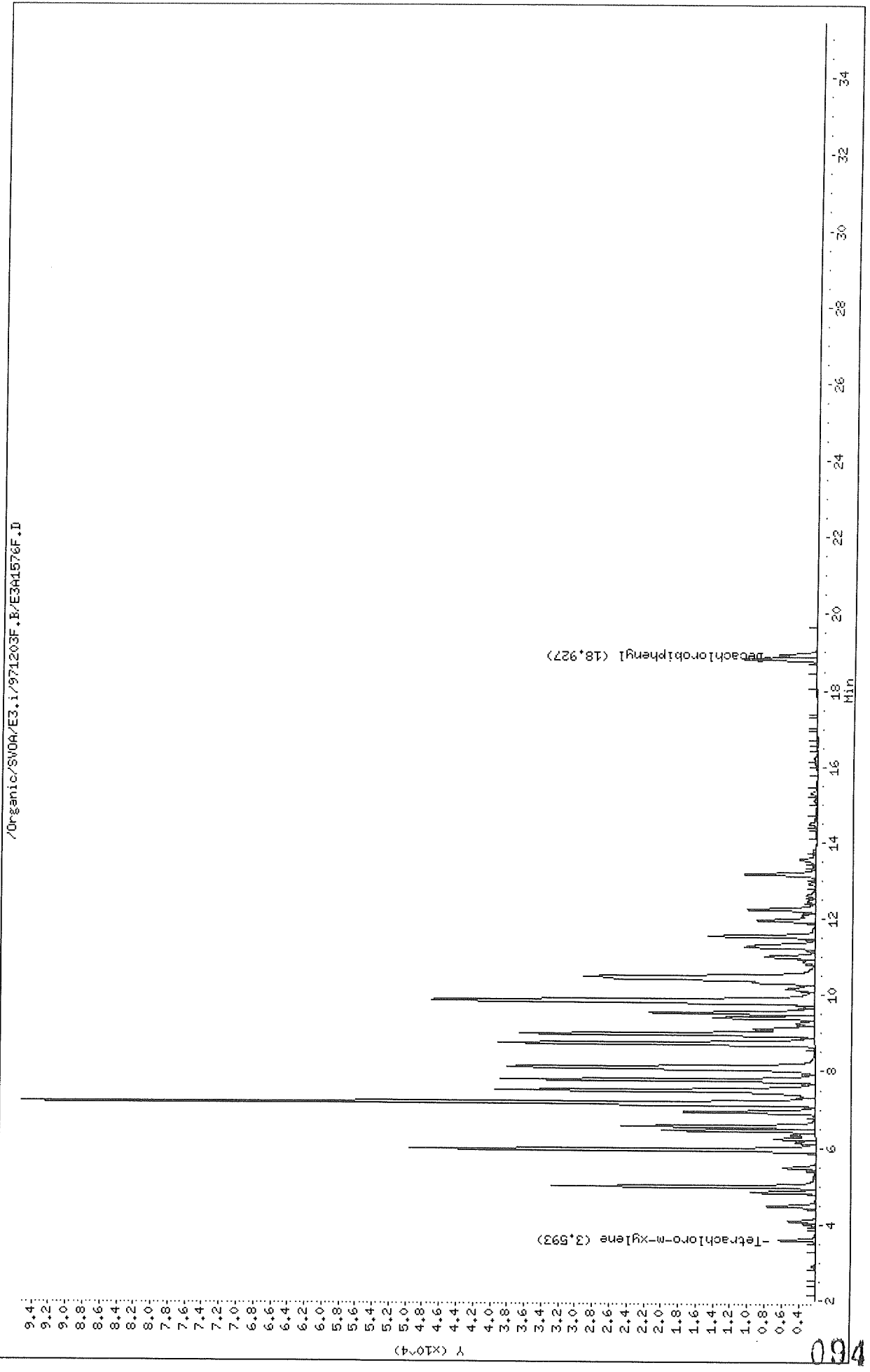
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Average of Peak Amounts =					15000	14000		

QC Flag Legend

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

Data File: /Organic/SV004/E3.i/971203F.B/E341576F.D
Date : 05-DEC-1997 06:08
Client ID: PS-1904
Sample Info: D1956-14,PS-1904,F1203-B1
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.i/971203R.B/E3A1576R.D

Date : 05-DEC-1997 06:08

Client ID: PS-1904

Sample Info: D1956-14,PS-1904,F1203-B1

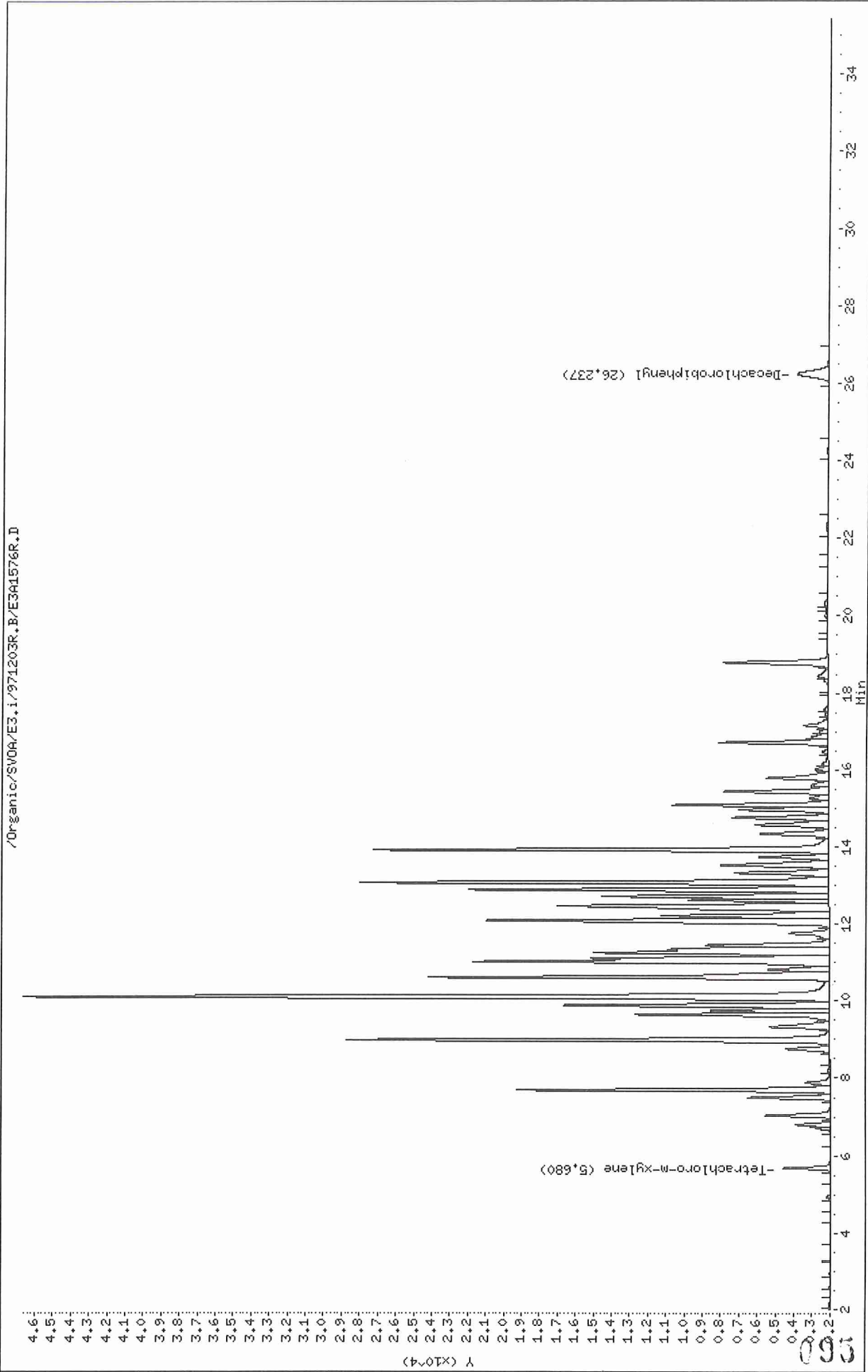
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

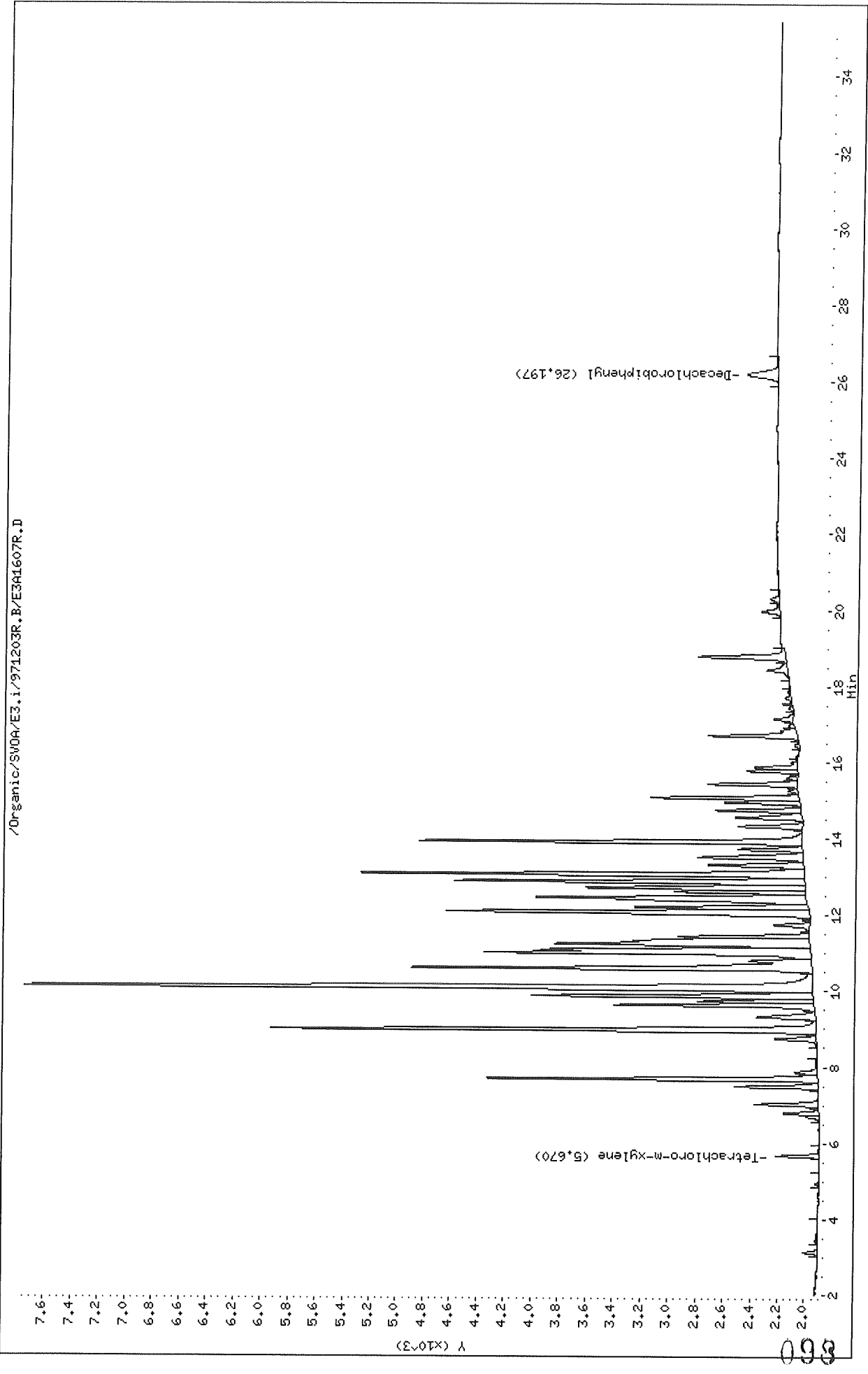
Operator: jfs

Column diameter: 0.53

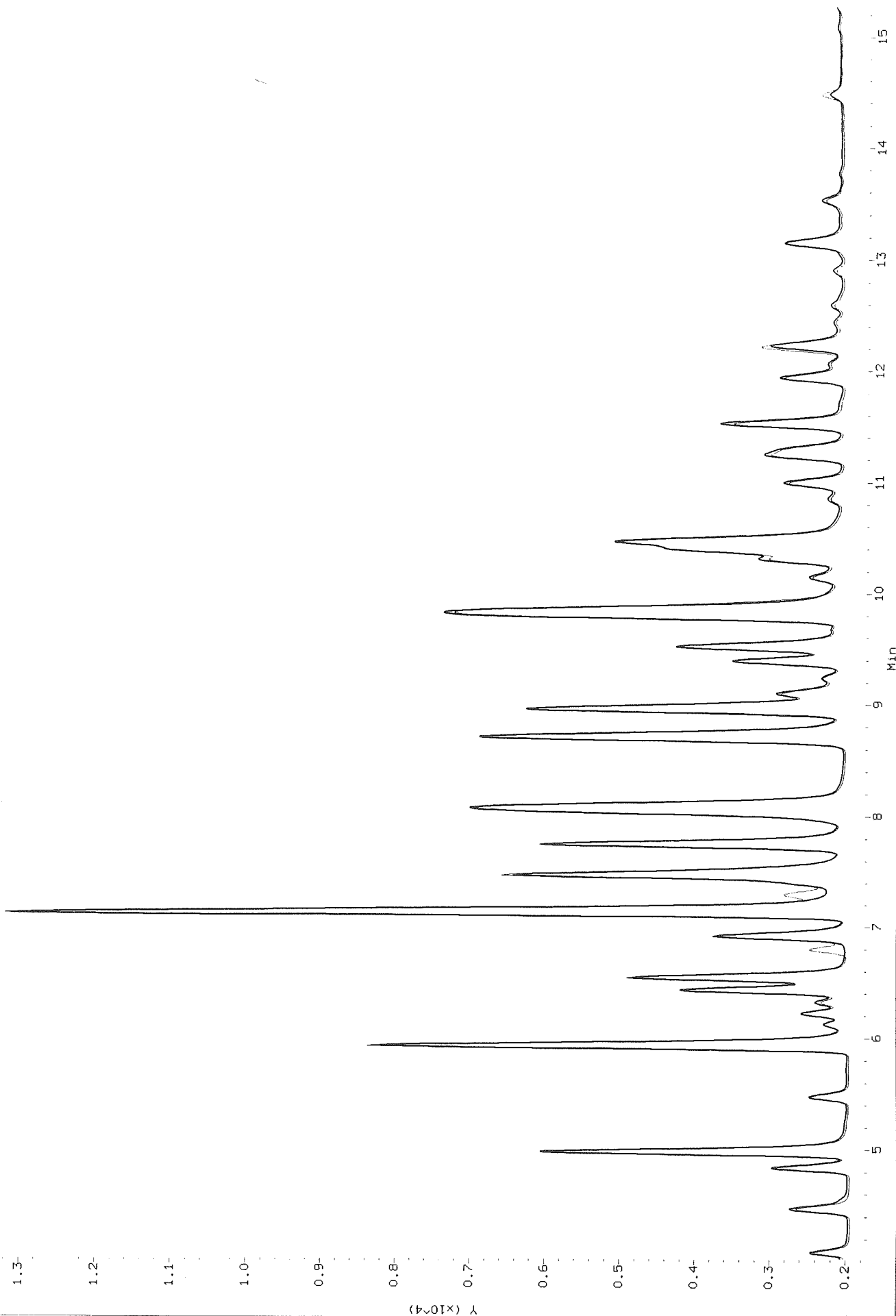


Data File: /Organic/SV0A/E3.i/971203R.B/E3A1607R.D
Date : 06-DEC-1997 02:18
Client ID: PS-1904
Sample Info: D1956-14,PS-1904,F1203-B1,,10
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



File: HP GC E3A1607F.D, Channel A Inj. Date: 06-DEC-1997 02:18
File: HP GC E3A1610F.D, Channel A Inj. Date: 06-DEC-1997 04:12 -1272



Data File: \Organic\SVOA\E3.i\971203F.B\E3A1577F.D
 Report Date: 08-Dec-1997 11:04

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1577F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1577R.D
 Inj Date : 05-DEC-1997 06:46
 Sample Info: D1956-15, GERB-P1203-B1 *Gerb-1*
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97 *(Kc)*
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.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)

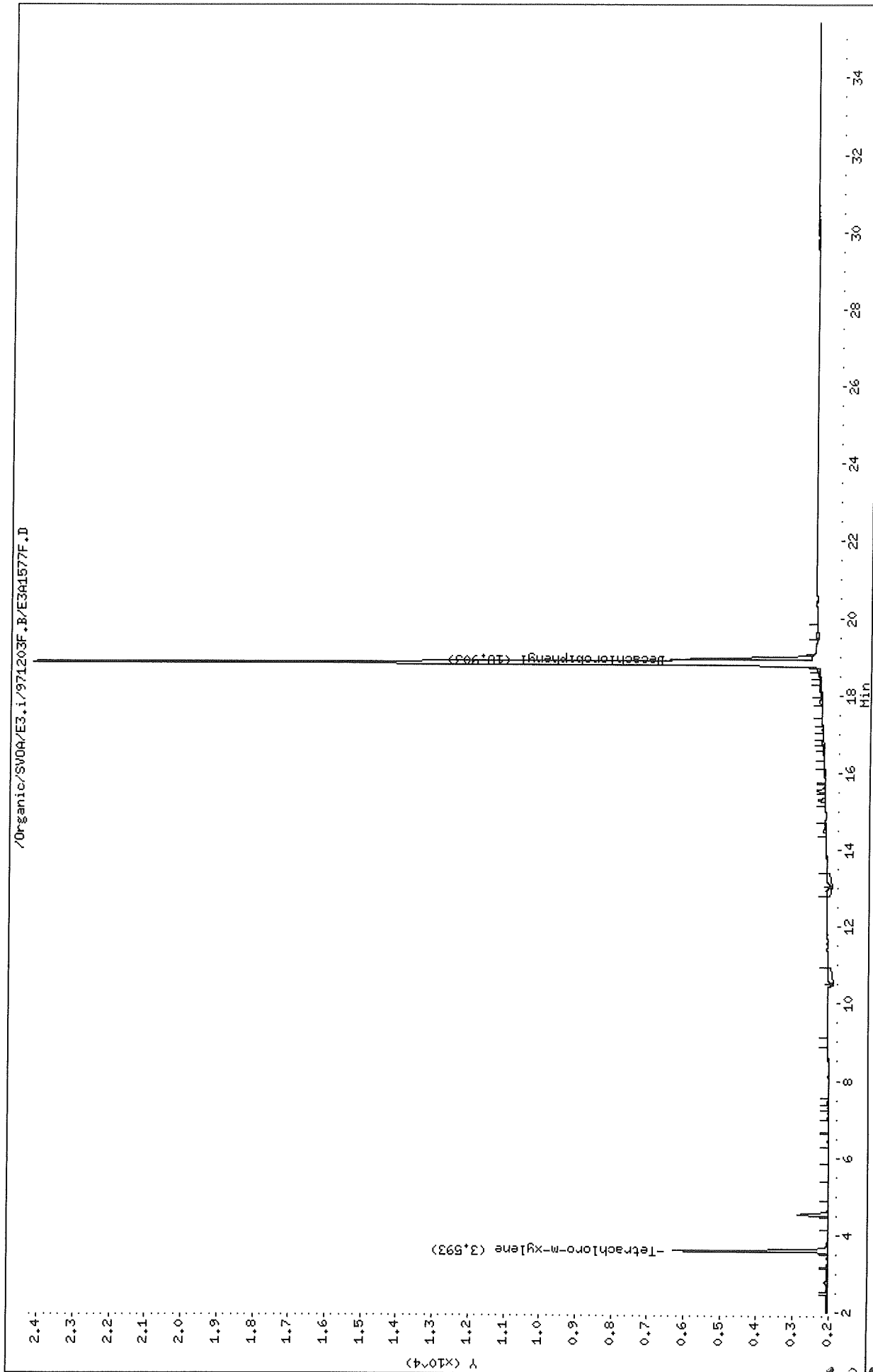
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4260	2535	0.182	0.172		100.00
Decachlorobiphenyl	18.903	26.230	3590	1344	0.156	0.163		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1577F.D
Date : 05-DEC-1997 06:46
Client ID: GERB-P1203-B1
Sample Info: D1956-15,GERB-P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1577R.D

Date : 05-DEC-1997 06:46

Client ID: GERB-P1203-B1

Sample Info: D1956-15.GERB-P1203-B1

Volume Injected (ul): 2.0

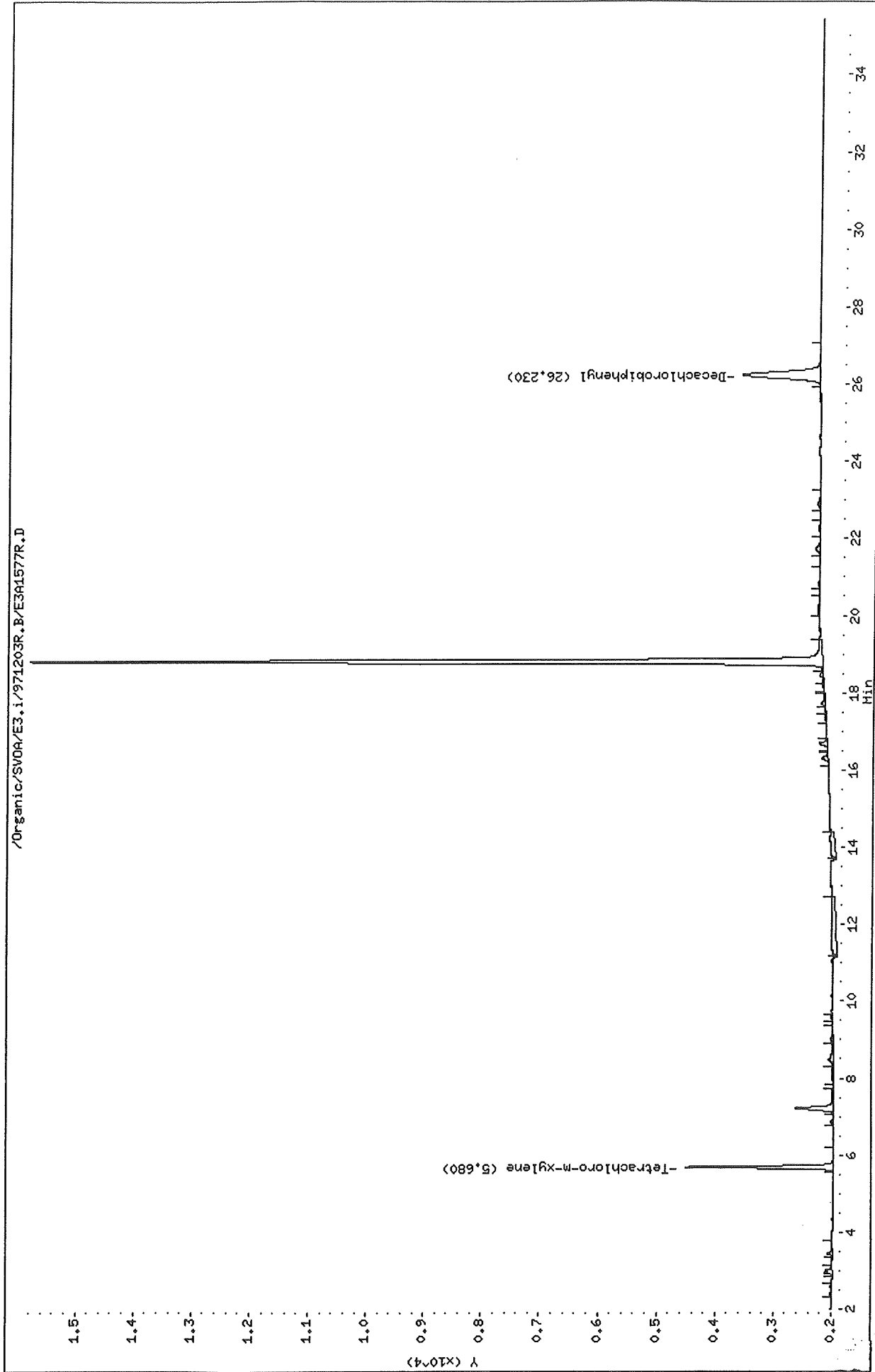
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1577R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1578F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1578R.D
 Inj Date : 05-DEC-1997 07:24
 Sample Info: D1956-16,BERB-1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.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	3.590	5.680	4491	2665	0.192	0.181		100.00
Decachlorobiphenyl	18.920	26.237	3357	1286	0.146	0.156		100.00 (M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV00A/E3.i/971203F.B/E341578F.D

Date : 05-DEC-1997 07:24

Client ID: BERB-1

Sample Info: D1956-16, BERB-1, P1203-B1

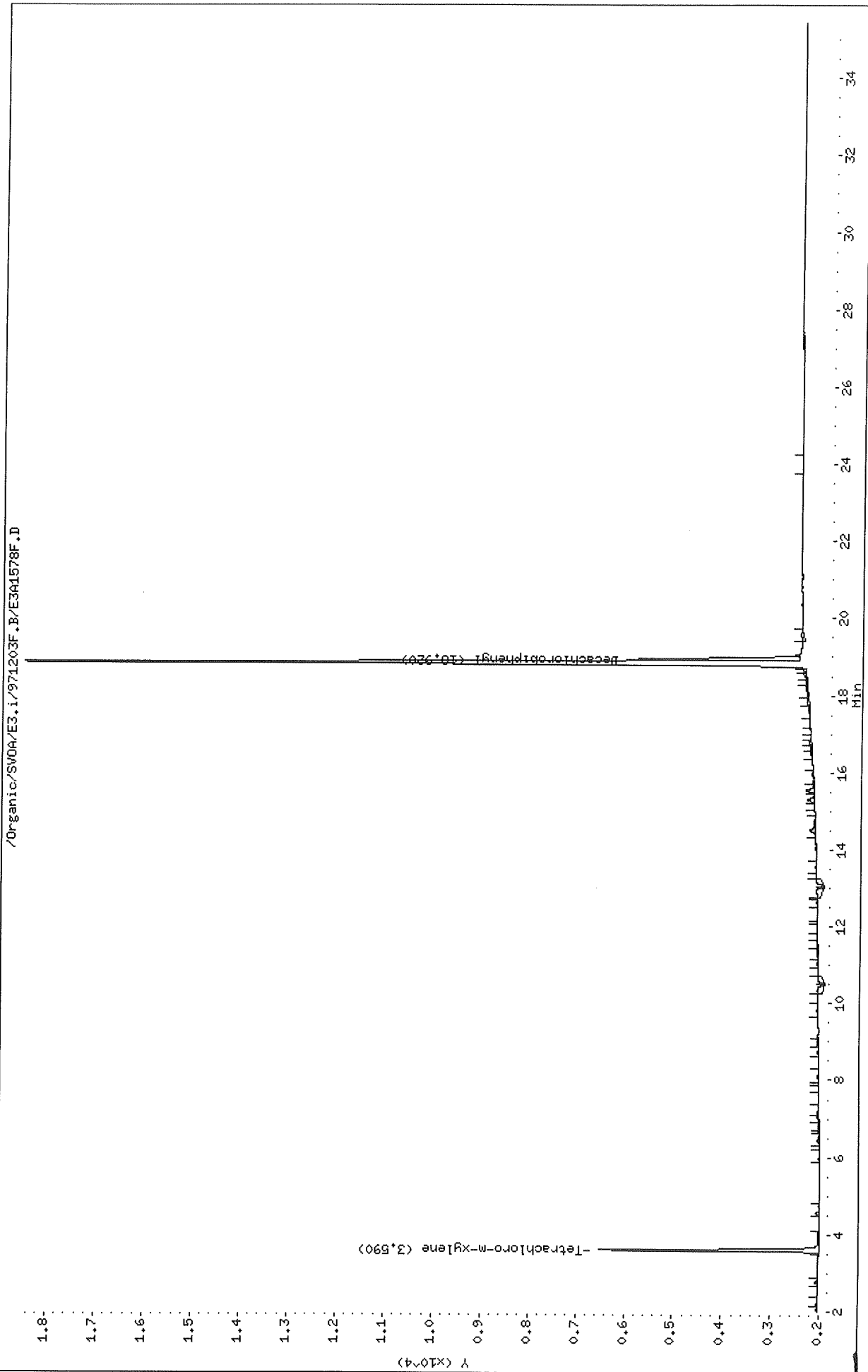
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1578R.D

Date : 05-DEC-1997 07:24

Client ID: BERB-1

Sample Info: D1956-16, BERB-1, P1203-B1

Volume Injected (uL): 2.0

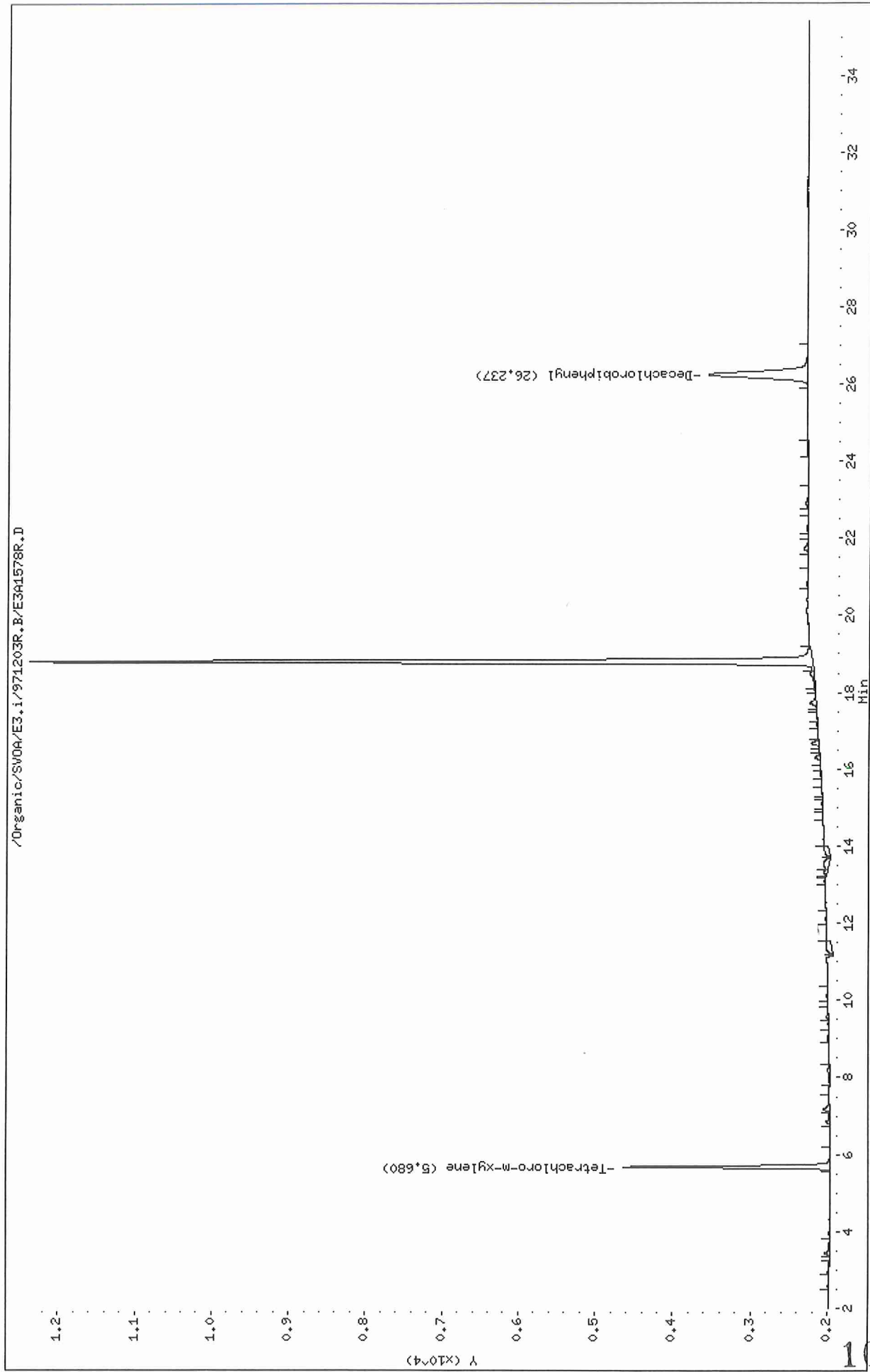
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1578R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E1.I\971209F.B\E1A3583F.D
 Sample #2 : \Organic\SVOA\E1.I\971209R.B\E1A3583R.D
 Inj Date : 10-DEC-1997 19:37
 Sample Info: D1956-17, *WB-1*
 Misc Info : 0,,,,,,,,,,,,,
 Cal Date : 12-DEC-1997 10:02
 Operator : GML
 Inst ID : E1.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E1.I\971209F.B\elPCB-f.m
 Method #2 : \Organic\SVOA\E1.I\971209R.B\elPCB-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	3.545	5.777	3915	2968	0.168	0.158		100.00
Decachlorobiphenyl	21.118	28.295	4210	1833	0.162	0.107		100.00

Data File: /Organic/SV00A/E1.1/971209F.B/E1A3583F.D

Date : 10-DEC-1997 19:37

Client ID: WB-1

Sample Info: D1956-17,

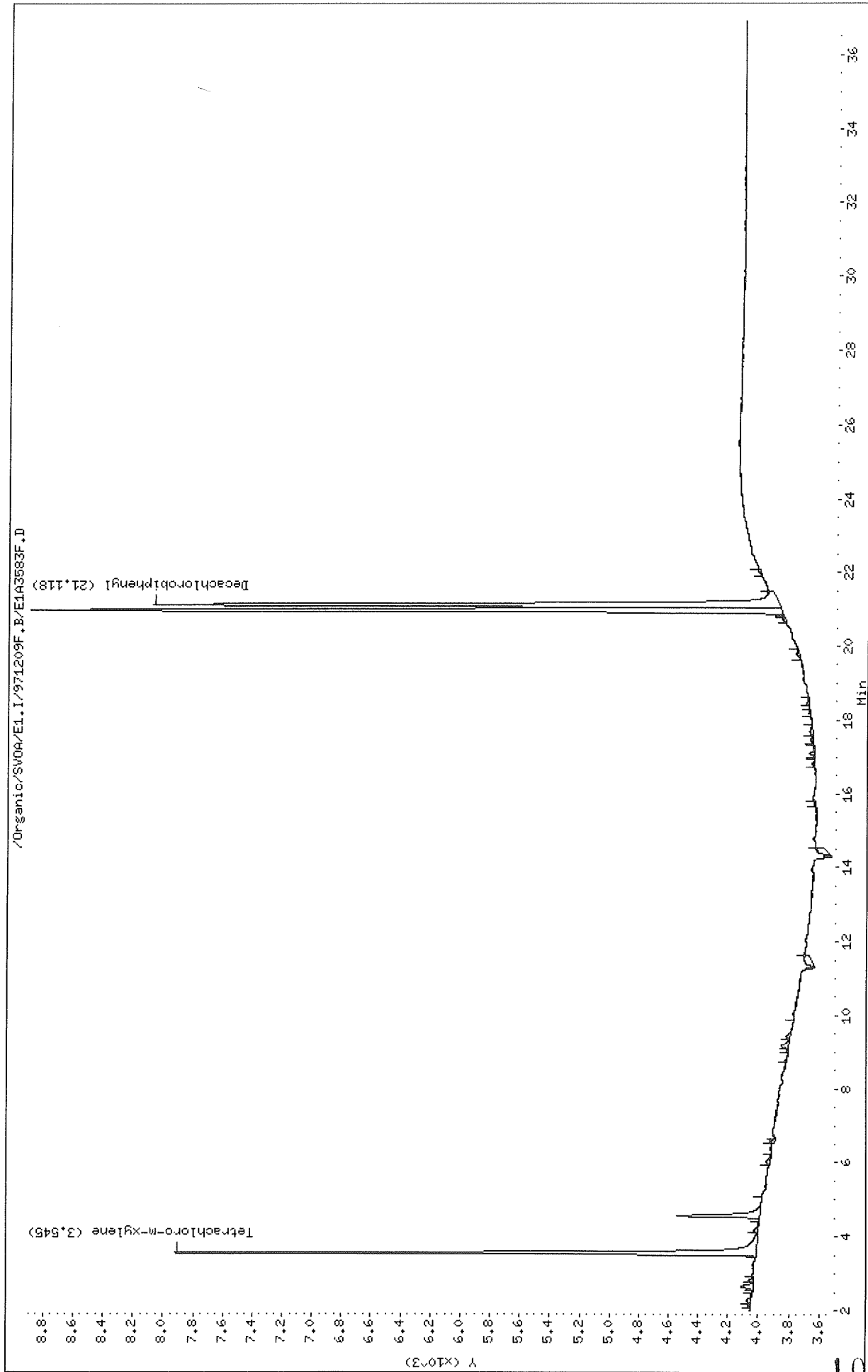
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E1.1

Operator: GML

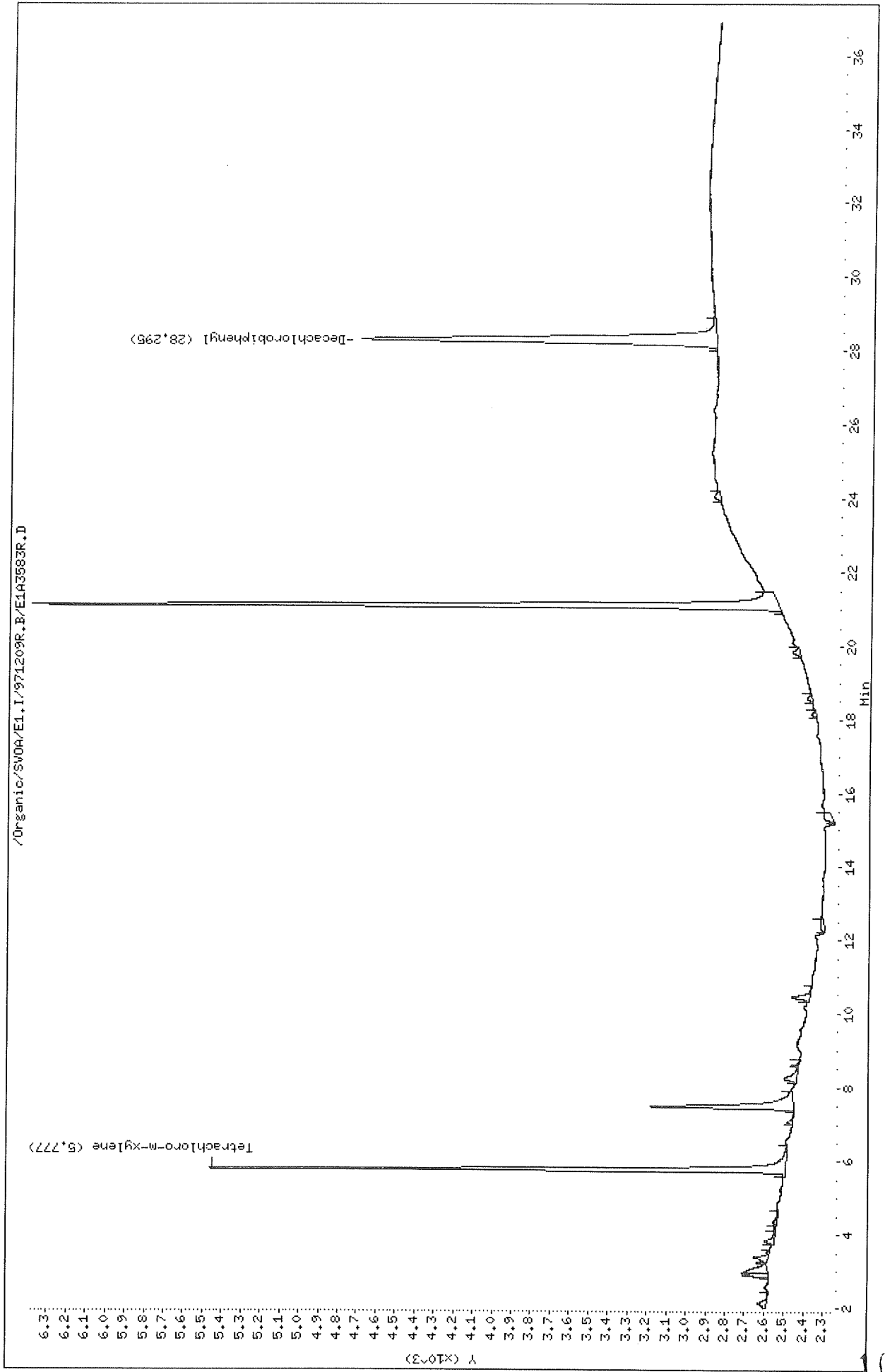
Column diameter: 0.53



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Data File: /Organic/SV0A/E1.I/971209R.B/E1A3583R.D
Date: 10-DEC-1997 19:37
Client ID: WB-1
Sample Info: D1956-17,
Volume Injected (uL): 2.0
Column phase: DB-608

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



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1580F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1580R.D
 Inj Date : 05-DEC-1997 08:40
 Sample Info: D1956-18,K2-C2,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhh-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhh-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.680	4523	2612	37	34		100.00
Decachlorobiphenyl	18.930	26.237	4411	2050	37	48		100.00 (M)
Aroclor-1016	5.947	8.983	93032	51959	55000	53000	80.00- 120.00	100.00 (A)
	6.557	9.883	44362	28338	58000	54000	24.49- 64.49	47.68 (A)
	7.153	10.110	198705	94097	54000	53000	157.24- 197.24	213.59 (A)
	Average of Peak Amounts =				56000	53000		
Aroclor-1242	5.947	8.983	93032	51959	62000	60000	80.00- 120.00	100.00 (A)
	7.153	10.110	198705	94097	53000	54000	157.04- 197.04	213.59 (A)
	8.087	12.090	89026	46681	82000	78000	59.99- 99.99	95.69 (A)
	8.723	12.880	91077	47763	72000	63000	57.89- 97.89	97.90 (A)
	9.820	13.067	114596	54640	66000	52000	65.32- 105.32	123.18 (A)
	Average of Peak Amounts =				67000	61000		
Aroclor-1248	8.723	12.463	91077	37682	82000	76000	80.00- 120.00	100.00 (A)
	8.970	12.880	81968	47763	79000	58000	69.62- 109.62	90.00 (A)
	9.820	13.067	114596	54640	73000	60000	101.12- 141.12	125.82 (A)

GC
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Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
=====								
	Average of Peak Amounts =				78000	65000		
Aroclor-1254	10.323	14.750	56231	32370	22000	22000	80.00- 120.00	100.00 (A)
	11.257	15.077	53778	61837	22000	21000	61.32- 101.32	95.64 (A)
	11.540	15.430	97396	43312	21000	22000	138.73- 178.73	173.21 (A)
	12.237	16.707	66832	33534	21000	22000	76.92- 116.92	118.85 (A)
	13.540	17.157	73516	43660	19000	21000	106.42- 146.42	130.74 (A)
	Average of Peak Amounts =				21000	22000		
Aroclor-1260	14.487	18.330	30575	5695	8300	2500	80.00- 120.00	100.00
	15.297	18.740	22432	15688	2600	3000	179.01- 219.01	73.37
	16.233	20.317	17209	8711	2900	3500	120.84- 160.84	56.28
	Average of Peak Amounts =				4600	3000		

QC Flag Legend

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

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1580F.D

Date : 05-DEC-1997 08:40

Client ID: K2-C2

Sample Info: D1956-18,K2-C2,P1203-B1

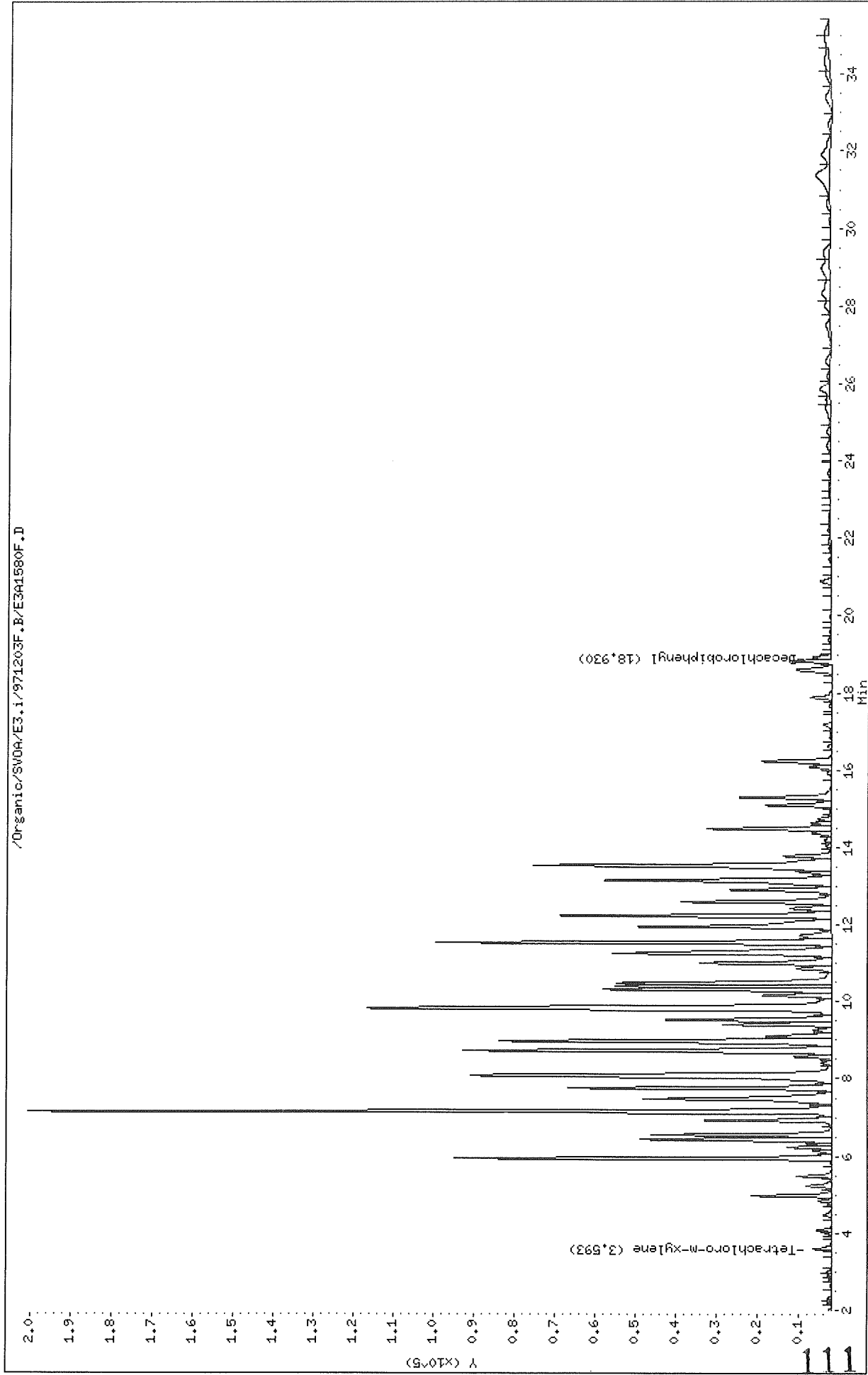
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1580R.D

Date : 05-DEC-1997 08:40

Client ID: K2-C2

Sample Info: D1956-18,K2-C2,P1203-B1

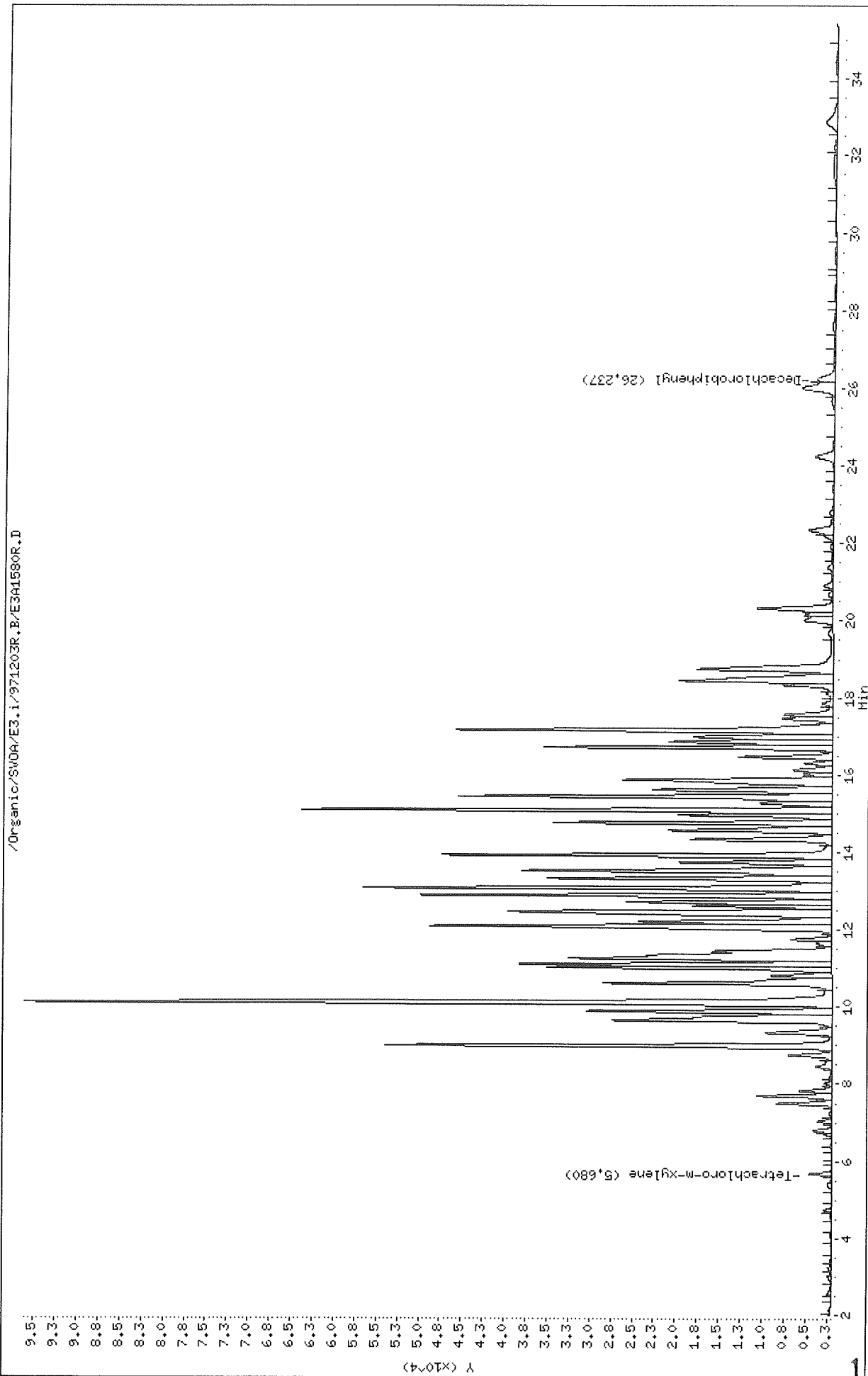
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1608F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1608R.D
 Inj Date : 06-DEC-1997 02:56
 Sample Info: D1956-18,K2-C2,P1203-B1,,,20
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 12:02
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 20.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.590	5.673	294	185	48.7	48.7		100.00
Decachlorobiphenyl	18.910	26.187	374	157	62.9	74.0		100.00 (RM)
Aroclor-1242	5.940	8.973	7365	4452	55400	52600	80.00- 120.00	100.00 (H)
	7.143	10.100	13911	7087	56600	53000	157.04- 197.04	188.88 (H)
	8.073	12.080	7160	3846	68200	63800	59.99- 99.99	97.22 (H)
	8.713	12.873	6815	3563	65500	58100	57.89- 97.89	92.53 (H)
	9.810	13.060	8004	3992	66500	53100	65.32- 105.32	108.68 (H)
	Average of Peak Amounts =				62400	56100		
Aroclor-1254	10.313	14.740	4405	2391	25200	24500	80.00- 120.00	100.00
	11.247	15.063	3575	4731	24800	24700	61.32- 101.32	81.16
	11.530	15.420	6846	3090	24100	24600	138.73- 178.73	155.41
	12.230	16.700	4337	1984	23400	26800	76.92- 116.92	98.46
	13.530	17.147	4992	3265	21800	23700	106.42- 146.42	113.33
	Average of Peak Amounts =				23900	24900		

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
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QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1608F.D

Date: 06-DEC-1997 02:56

Client ID: K2-C2

Sample Info: D1956-18,K2-C2,P1203-B1,,,20

Volume Injected (uL): 2.0

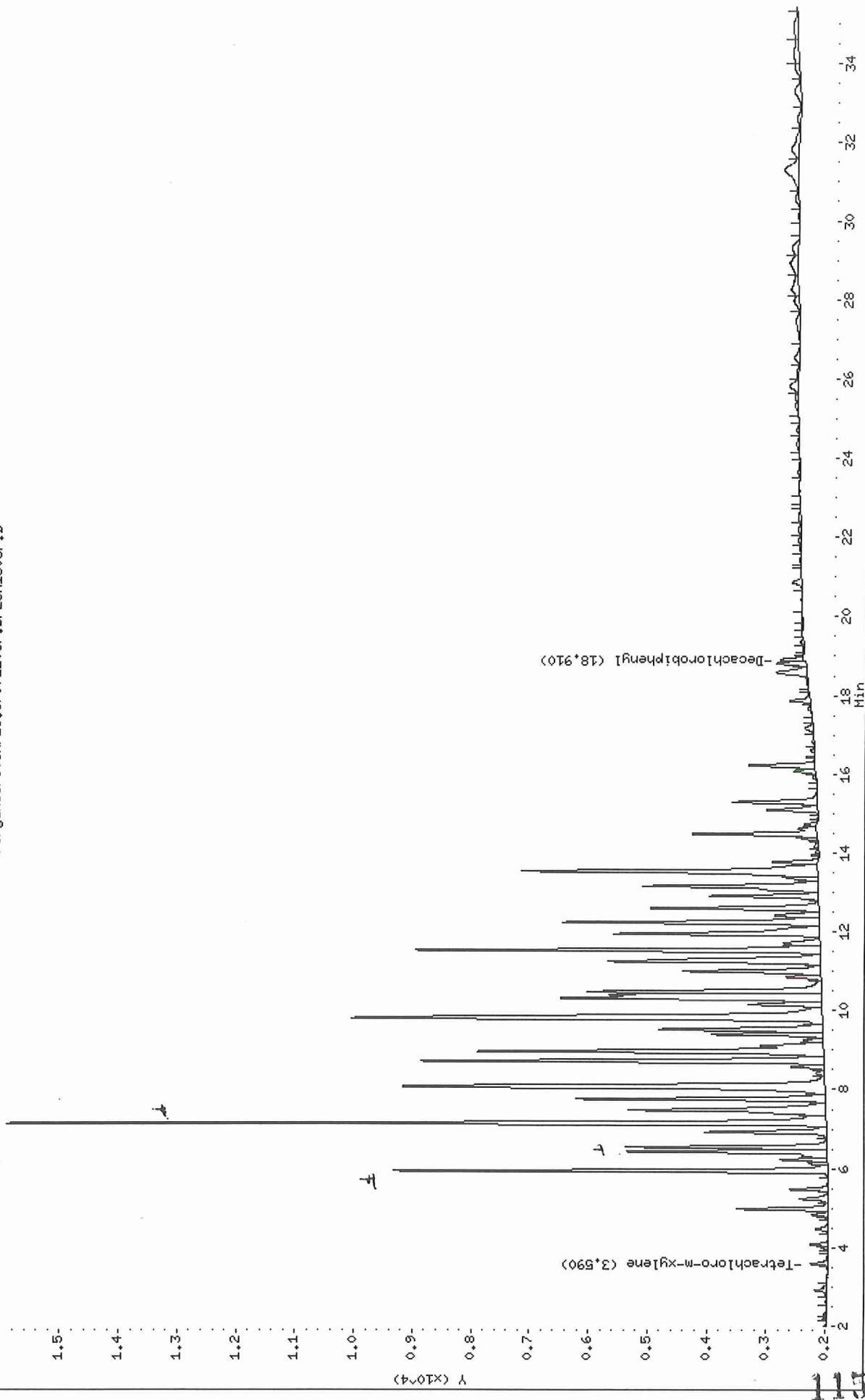
Column phase: DB-1701

Instrument: E3.i

Operator: jfs

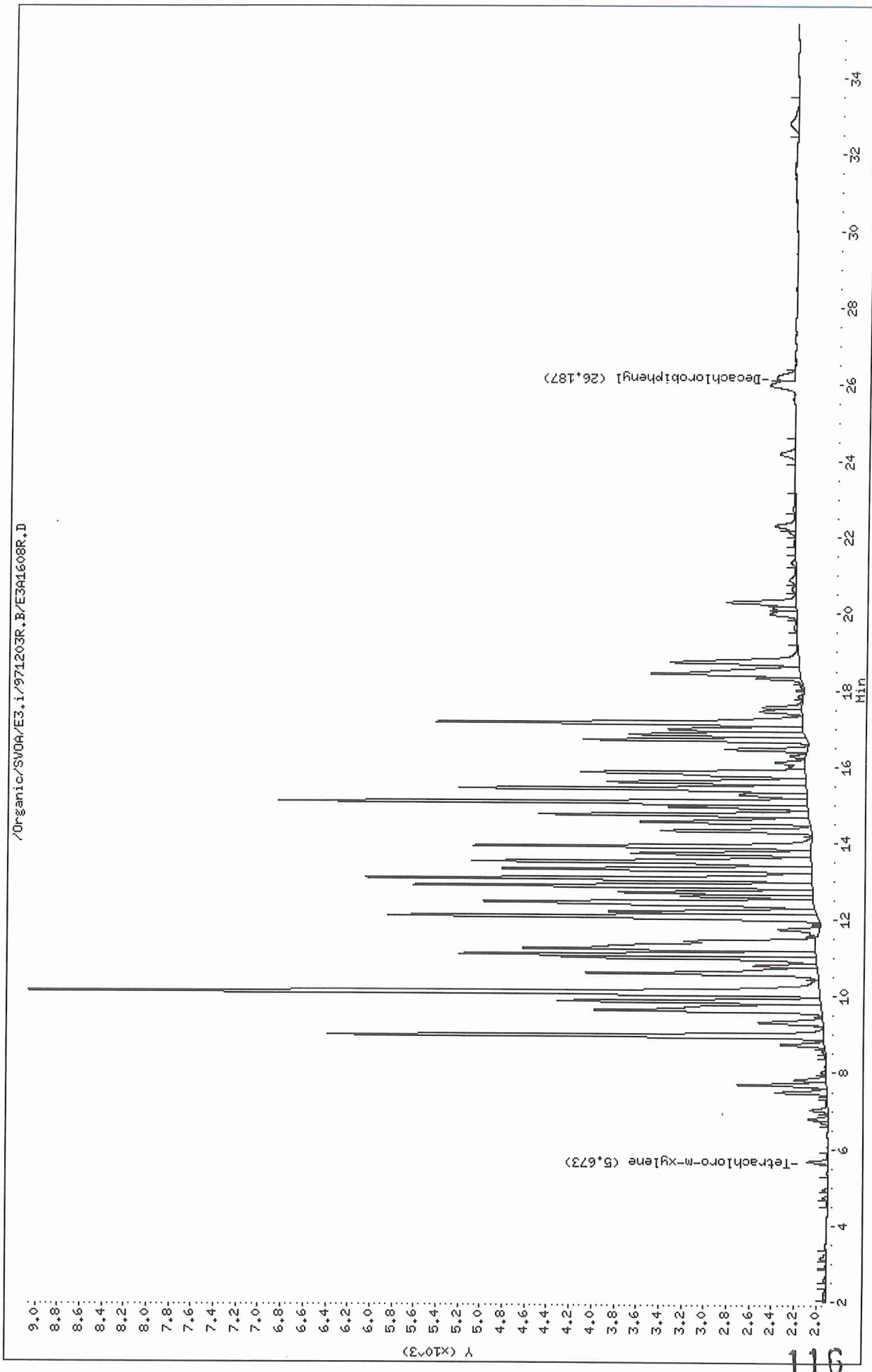
Column diameter: 0.53

/Organic/SV0A/E3.i/971203F.B/E3A1608F.D

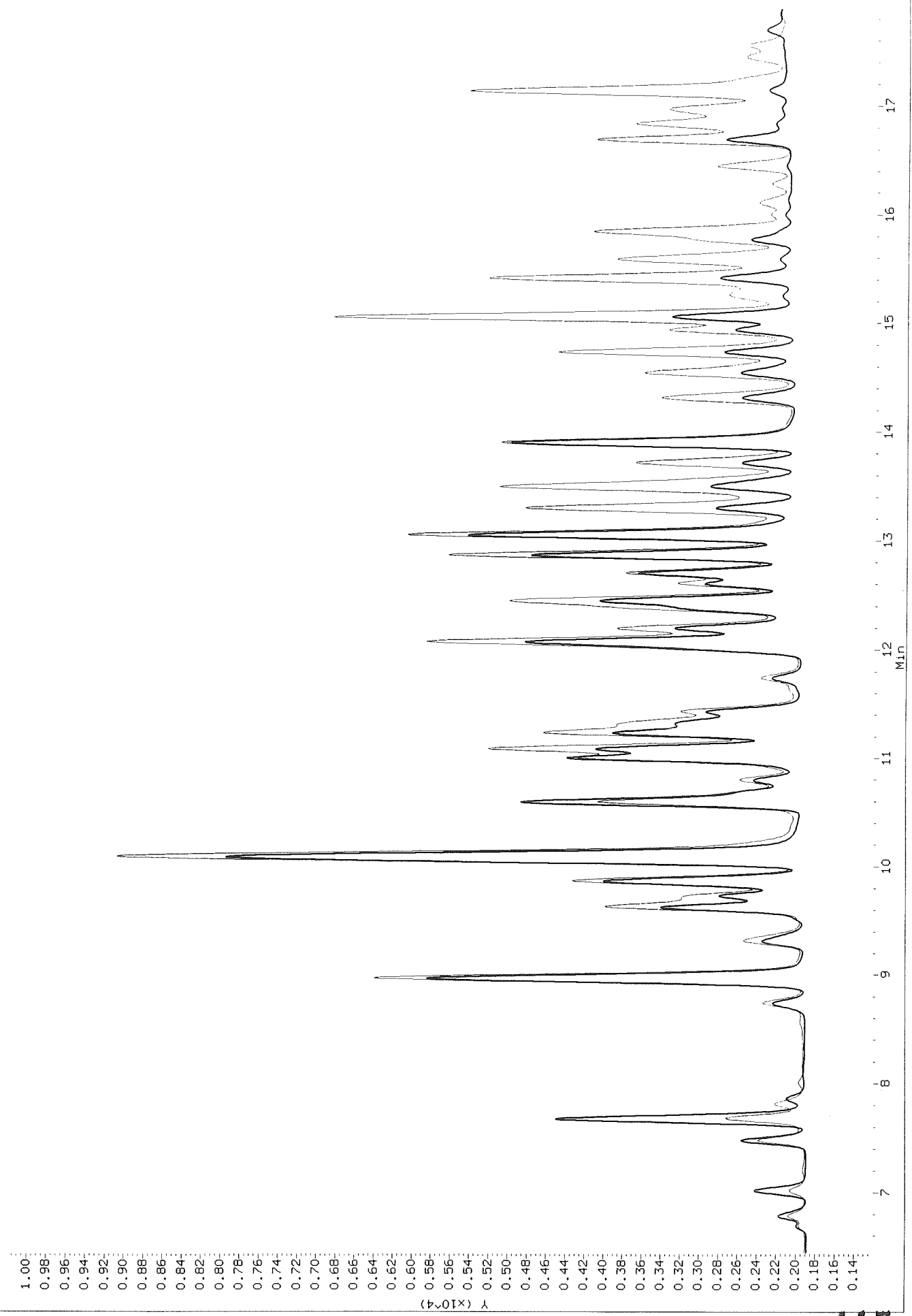


Data File: /Organic/SV00A/E3.i/971203R.B/E3A1608R.D
Date : 06-DEC-1997 02:56
Client ID: K2-C2
Sample Info: D1956-18,K2-C2,P1203-B1,,,20
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53

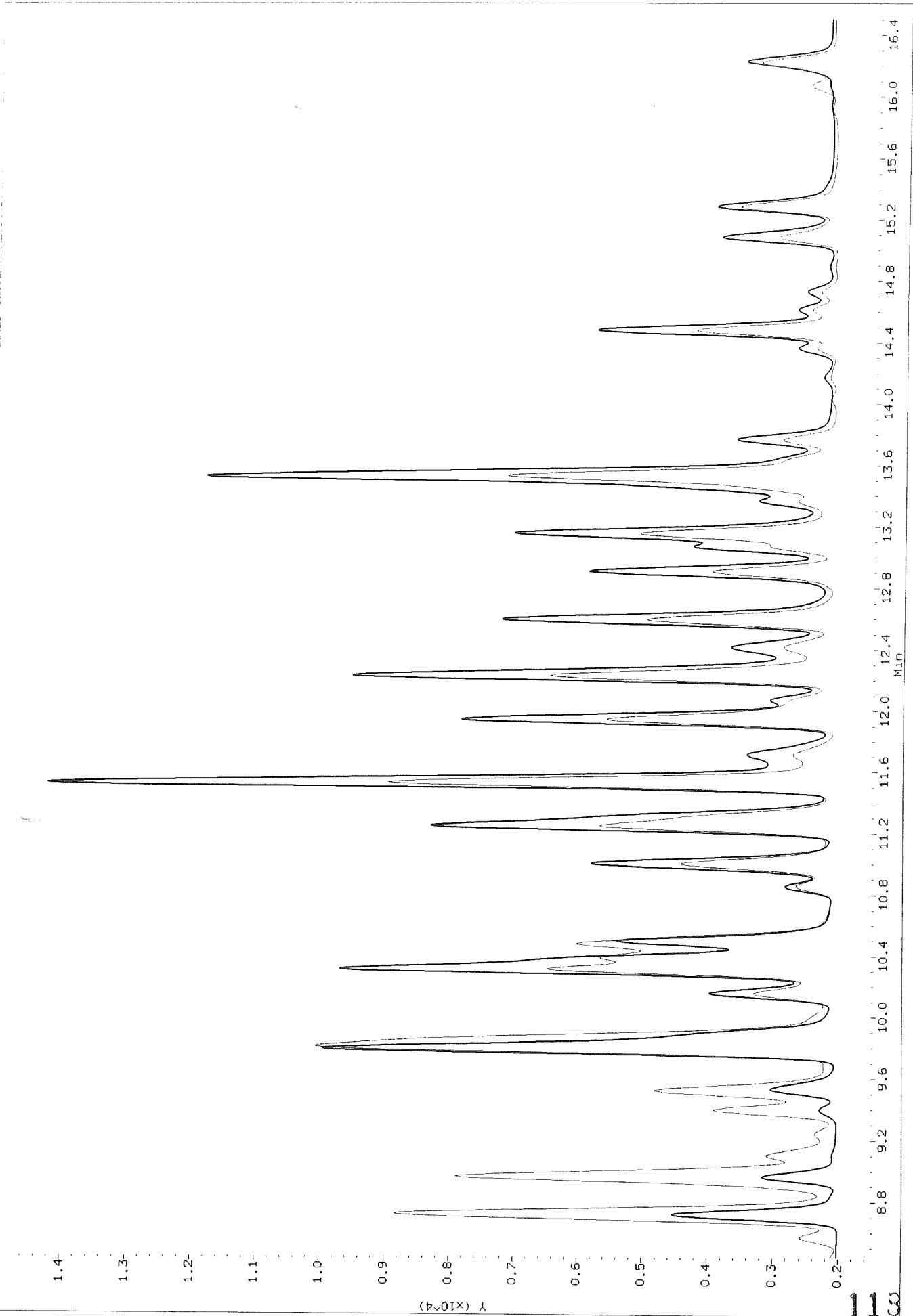


File: HP GC E3A1608R.D, Channel B Inj. Date: 06-DEC-1997 02:56
File: HP GC E3A1601R.D, Channel B Inj. Date: 05-DEC-1997 22:30 1242



File: HP GC E3A1608F.D, Channel A Inj. Date: 06-DEC-1997 02:56
File: HP GC E3A1612F.D, Channel A Inj. Date: 06-DEC-1997 05:28

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Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1609F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1609R.D
 Inj Date : 06-DEC-1997 03:34
 Sample Info: D1956-19,R11-C1,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: $Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	14.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.583	5.670	4902	2904	40.6	38.2		100.00
Decachlorobiphenyl	18.910	26.193	4499	1796	37.8	42.3		100.00

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1609F.D

Date : 06-DEC-1997 03:34

Client ID: R11-C1

Sample Info: I1956-19,R11-C1,P1203-B1

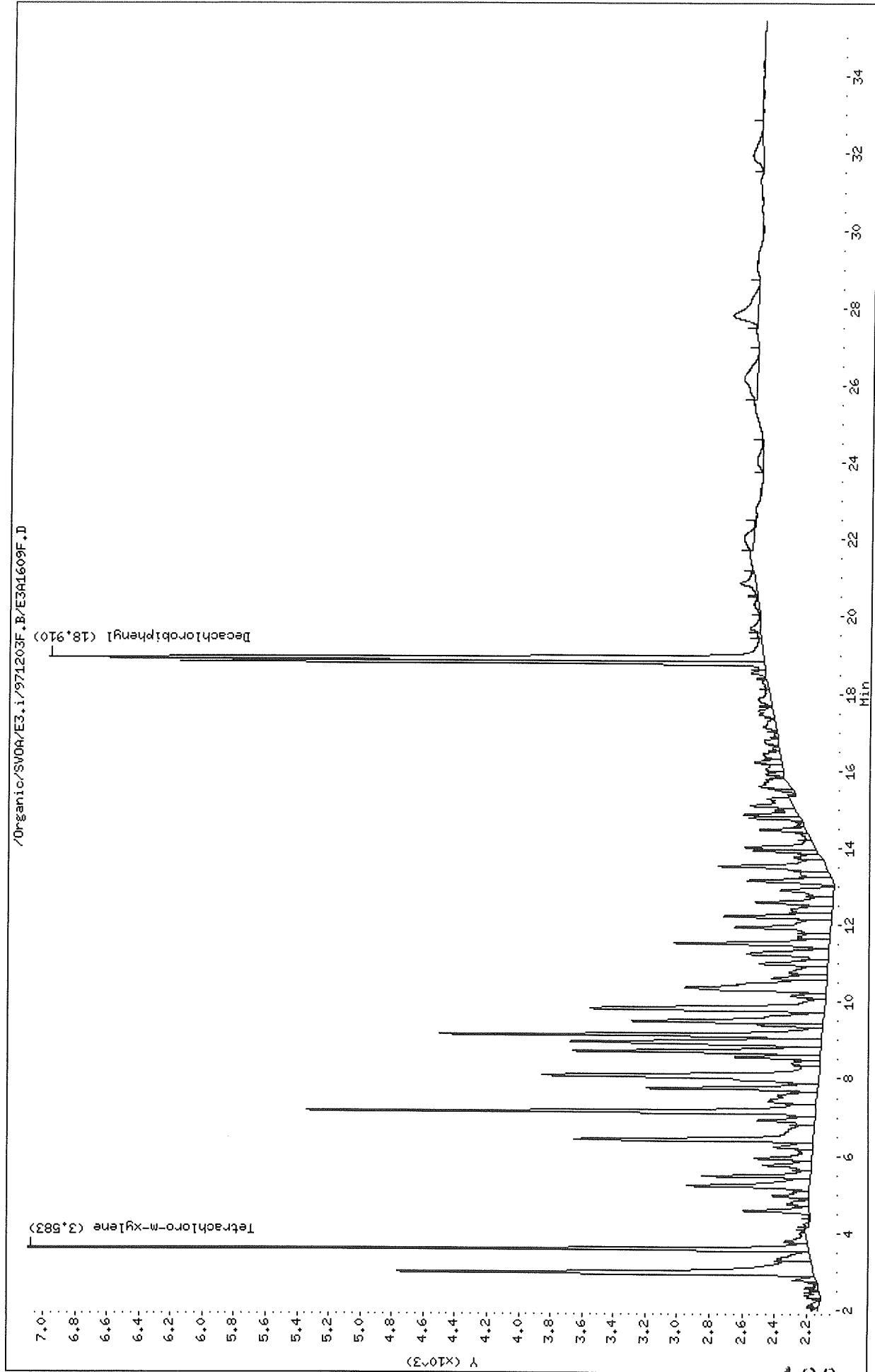
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1609R.D

Date: 06-DEC-1997 03:34

Client ID: R11-C1

Sample Info: D1956-19,R11-C1,P1203-B1

Volume Injected (uL): 2.0

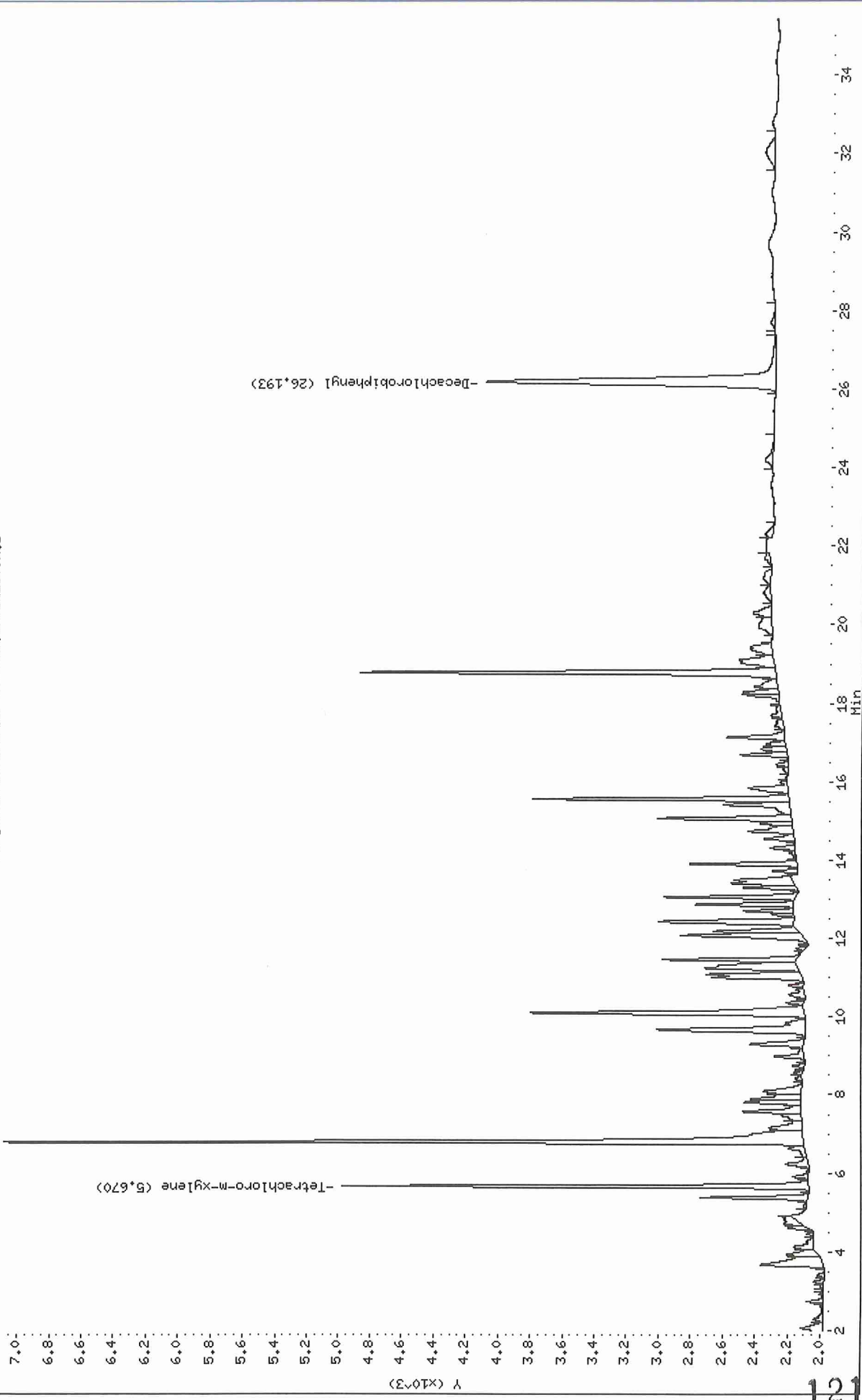
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1609R.D



Data File: \Organic\SVOA\E3.i\971203F.B\E3A1582F.D
 Report Date: 08-Dec-1997 11:04

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1582F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1582R.D
 Inj Date : 05-DEC-1997 09:56
 Sample Info: D1956-20,BERM,P1203-B1
 Misc Info : 0,,,2,25000,,,15.0,X,,03-DEC-97,26-NOV-97
 Cal Date : 08-DEC-1997 09:31
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-r.m
 Sub List #1 : pcb.sub
 Sub List #2 : pcb.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	6.000	% Moisture

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/Kg)	Conc#2 (ug/Kg)	Target Range	Ratio
Tetrachloro-m-xylene	3.593	5.683	5082	3037	38.5	36.6		100.00
Decachlorobiphenyl	18.913	26.247	4800	1725	36.9	37.2		100.00 (M)
Aroclor-1254	10.337	14.760	1163	562	298	259	80.00- 120.00	100.00
	11.270	15.087	839	1100	263	257	61.32- 101.32	72.14
	11.550	15.443	1732	633	275	226	138.73- 178.73	148.93
	12.253	16.723	1069	413	262	255	76.92- 116.92	91.92
	13.553	17.190	1349	1824	268	600	106.42- 146.42	115.99
Average of Peak Amounts =					273	319		

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV00A/E3.i/971203F.B/E3A1582F.D

Date : 05-DEC-1997 09:56

Client ID: BERM

Sample Info: D1956-20.BERM,P1203-B1

Volume Injected (ul): 2.0

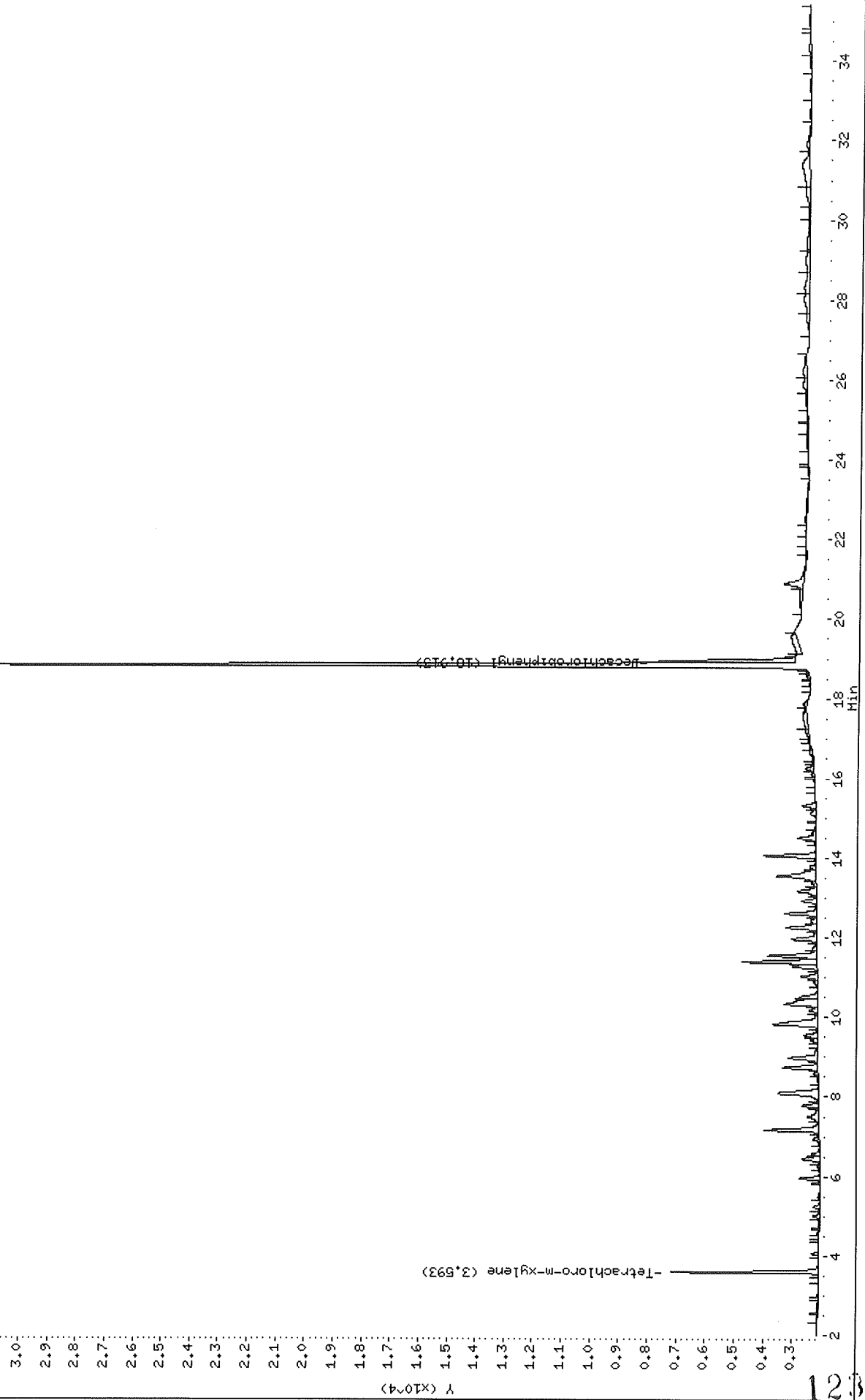
Column Phase: DB-1701

Instrument: E3.i

Operator: jfs

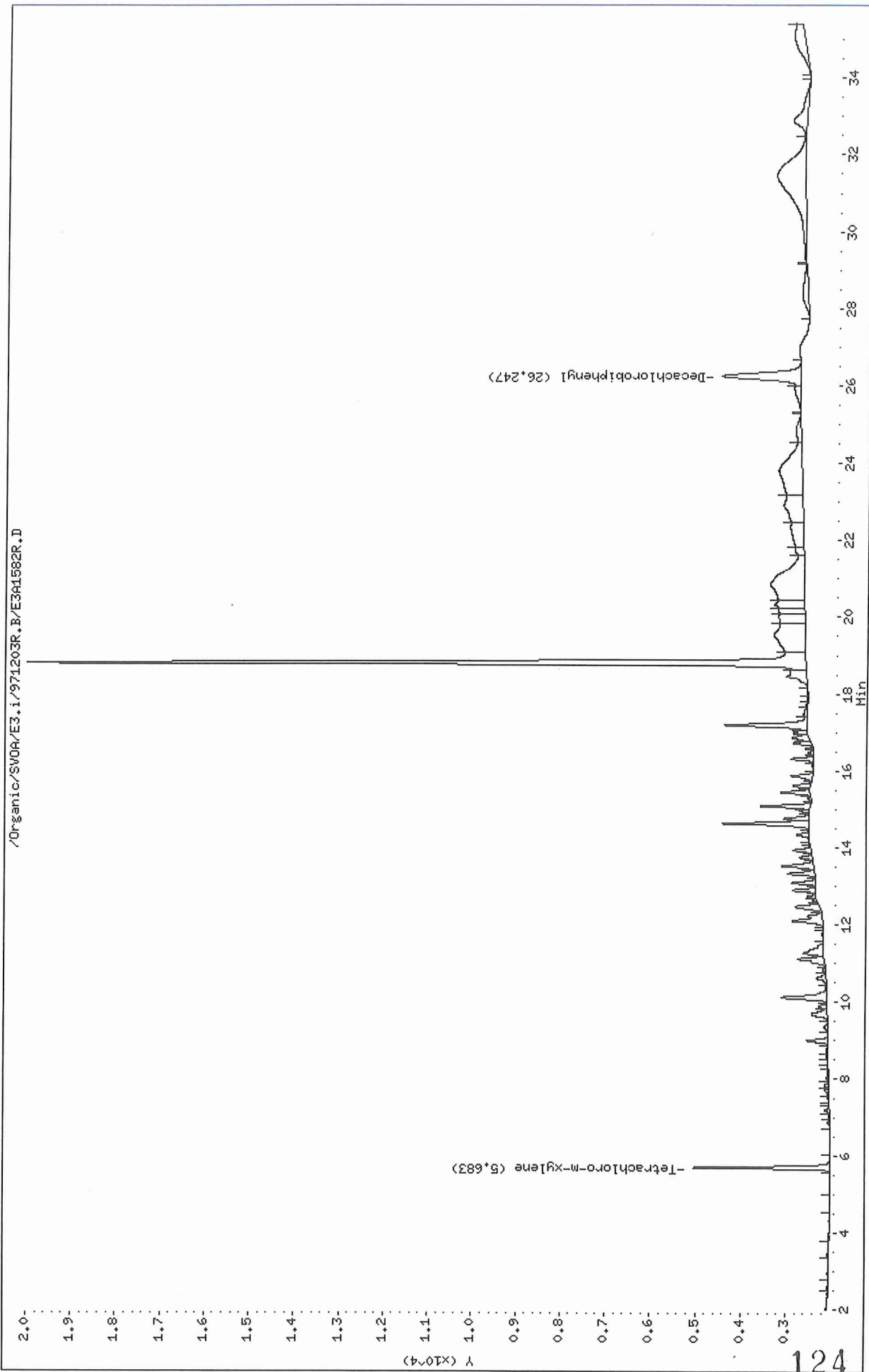
Column diameter: 0.53

/Organic/SV00A/E3.i/971203F.B/E3A1582F.D

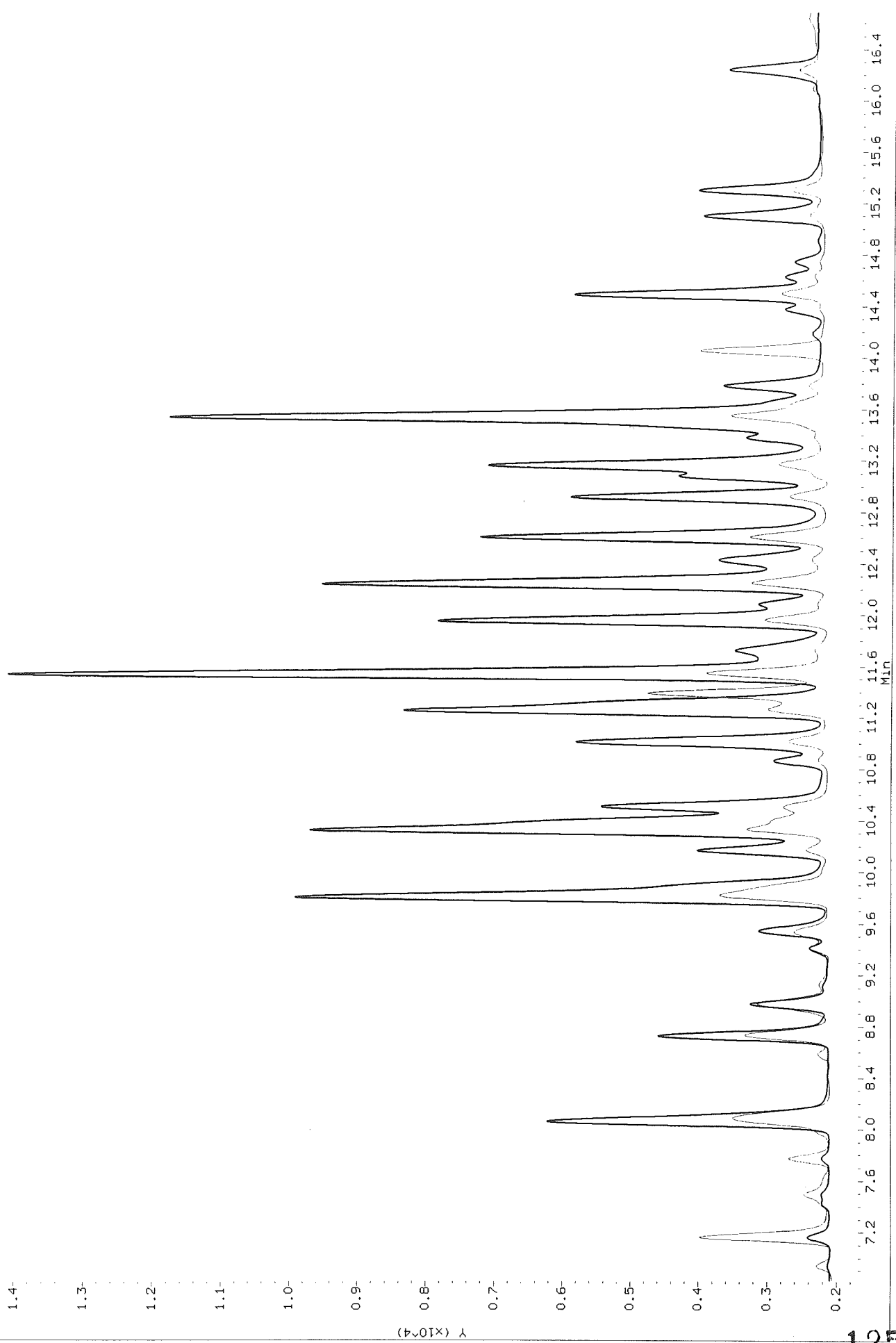


Data File: /Organic/SV004/E3.i/971203R.B/E3A1582R.D
Date : 05-DEC-1997 09:56
Client ID: BERM
Sample Info: D1956-20,BERM,P1203-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



File: HP GC E3A1582F.D, Channel A Inj. Date: 05-DEC-1997 09:56
File: HP GC E3A1588F.D, Channel A Inj. Date: 05-DEC-1997 14:08



12/3/17

DATE	ANALYSIS	METHOD	MATRIX	WP	OIL	PROJECT(S)				
		sonic. soxhlet dilut. sep.fun. liq/liq shaker				D1950				
BLANK ID	CLIENT	GPC batch #	Florisil lot #	pre-GPC KD date/analyst	pre-florisil KD date/analyst	ANALYST	SPIKER	WITNESS		
Sample ID	Client ID	Surr. Spike Added	Matrix Spike Added	Emulsion	GPC Date/An.	Florisil Date/An.	Final Conc Date/An.	Final Extr. Volum.	Date Extr. Tran.	Comments
P1205-B1 P1205-1051	150g	1mL PW970725A	N 1.0mL PW970725B	N	-	-	12-3	25mL Hexane	12-3	HC HC DN
P1950-B1			N							
-02										
-03										
-04										
-05										
06										
-07										
-08										
-09										
-10										
-11										
-12										
-13										
-14										
-15										

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MITKEM CORP. % Moisture and % Solid Determination Log Book												
Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
12/3/97	D1956-01	102°C	1.0	11.0	10.0	12-4	110°	11.6	8.6	86	W	
	-02							8.9	7.9	79		
	-03							8.9	7.9	79		
	-04							9.8	8.8	88		
	-05							9.5	8.5	85		
	-06							9.8	8.8	88		
	-07							9.3	8.3	83		
	-08							9.7	8.7	87		
	-09							8.7	7.7	77		
	-10							9.1	8.1	81		
	-11							10.2	9.2	92		
	-12							9.3	8.3	83		
	-13							9.6	8.6	86		
	-14							11.0	10.0	100		
	-18							9.6	8.6	86		
	-19							9.6	8.6	86		
	-20							10.4	9.4	94	W	
12/4/97	D1976-01	110°				12/5/97	105°C	8.6	7.6	76	W	
	-02							9.3	8.3	83		
	D1972-18							8.5	7.5	75		
	D1969-01			10.2	9.2			10.1	9.1	99		
	D1969-02			10.7	9.7			10.0	9.0	99	W	

%Solid = Dry Wt. Tared / Wet Wt. Tared x 100

% Moisture = 100 - % Solid

Standard Chromatograms

-- Initial calibration

Data File: /Organic/SV04/E3.i/971202F.B/E3A1536F.D

Date: 02-DEC-1997 18:11

Client ID: COGH5

Sample Info: COGH5,COGH5,,cog.sub

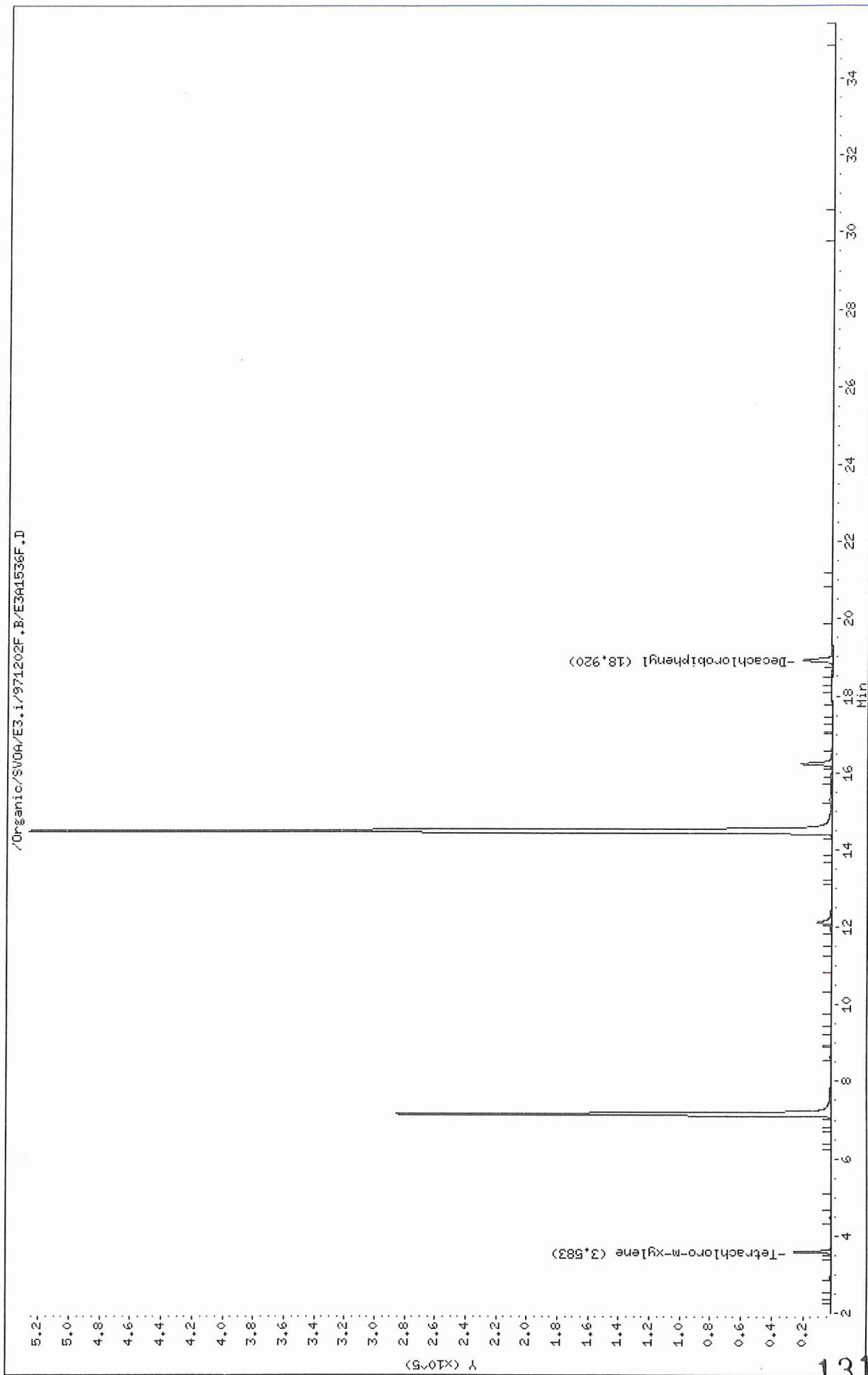
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971202R.B/E341536R.D

Date : 02-DEC-1997 18:11

Client ID: COGH5

Sample Info: COGH5,COGH5,,bog.sub

Volume Injected (uL): 2.0

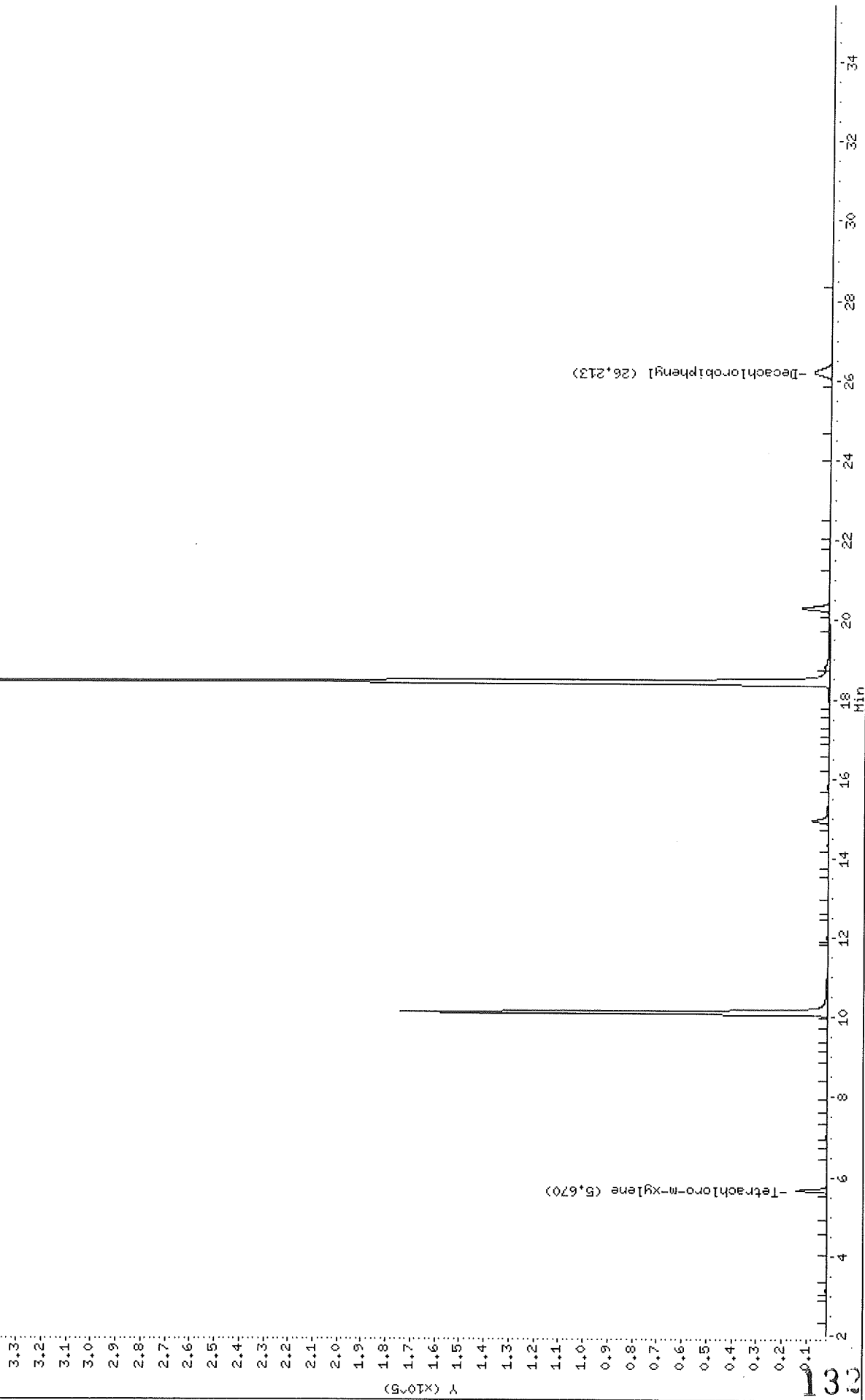
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV04/E3.i/971202R.B/E341536R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971202F.B\E3A1536F.D
 Sample #2 : \Organic\SVOA\E3.i\971202R.B\E3A1536R.D
 Inj Date : 02-DEC-1997 18:11
 Sample Info: COGH5,COGH5,,cog.sub
 Misc Info : ,5
 Cal Date : 03-DEC-1997 12:20
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971202F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971202R.B\e3PCBvhhb-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)

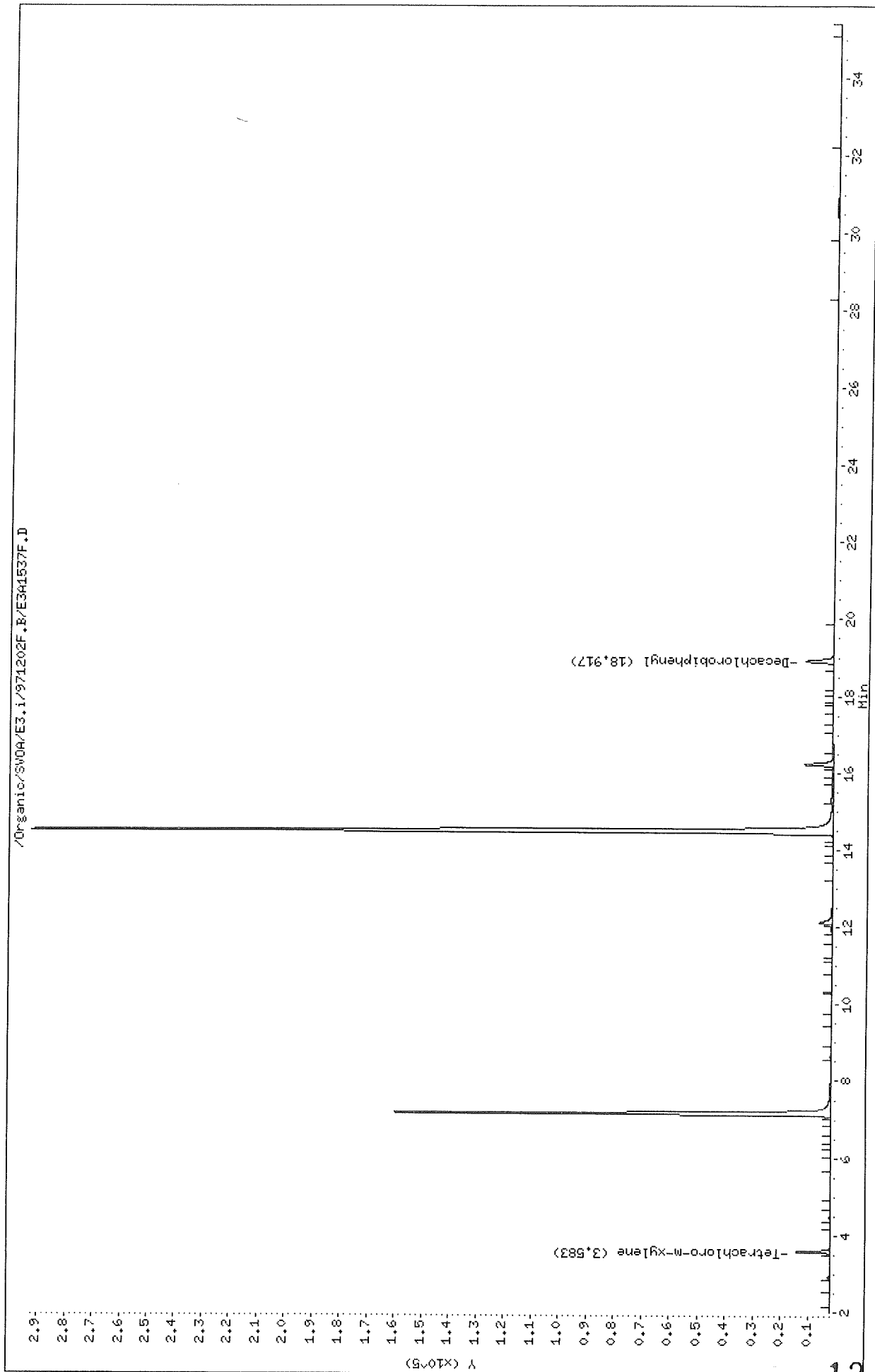
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	3.583	5.670	23580	12630	0.145	0.131		100.00
Decachlorobiphenyl	18.920	26.213	19066	7207	0.122	0.116		100.00
2,4,4'-Trichlorobiphenyl	7.147	10.110	283970	172305	8.19	8.10		100.00
Hexachlorobiphenyl	14.477	18.427	525250	337511	8.12	7.96		100.00

GL
12/15/97

Data File: /Organic/SW0A/E3.i/971202F.B/E3R1537F.D
Date : 02-DEC-1997 18:49
Client ID: COGH4
Sample Info: COGH4,COGH4,,cog.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971202R.B/E3A1537R.D

Date : 02-DEC-1997 18:49

Client ID: COGH4

Sample Info: COGH4,COGH4,,cog.sub

Volume Injected (uL): 2.0

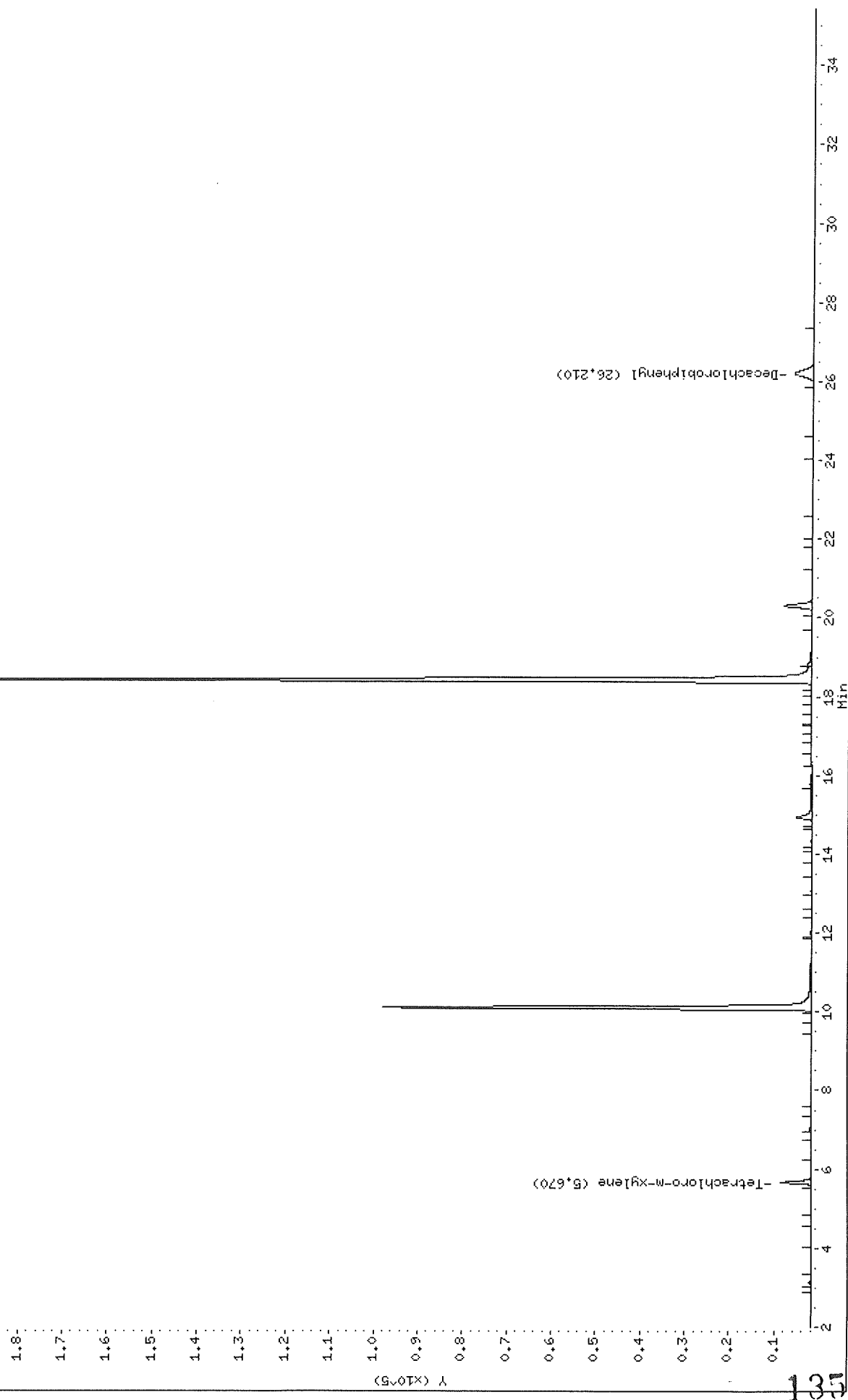
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971202R.B/E3A1537R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971202F.B\E3A1537F.D
 Sample #2 : \Organic\SVOA\E3.i\971202R.B\E3A1537R.D
 Inj Date : 02-DEC-1997 18:49
 Sample Info: COGH4,COGH4,, cog.sub
 Misc Info : ,4
 Cal Date : 03-DEC-1997 12:21
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971202F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971202R.B\e3PCBvhb-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
Tetrachloro-m-xylene	3.583	5.670	12158	6688	0.0746	0.0692		100.00
Decachlorobiphenyl	18.917	26.210	10483	4002	0.0674	0.0644		100.00
2,4,4'-Trichlorobiphenyl	7.147	10.110	158405	96145	4.57	4.52		100.00
Hexachlorobiphenyl	14.477	18.427	290875	184835	4.50	4.36		100.00

GL
12/15/97

Data File: /Organic/SW04/E3.i/971202F.B/E3A1538F.D

Date : 02-DEC-1997 19:27

Client ID: COGH3

Sample Info: COGH3,COGH3,,cog.sub

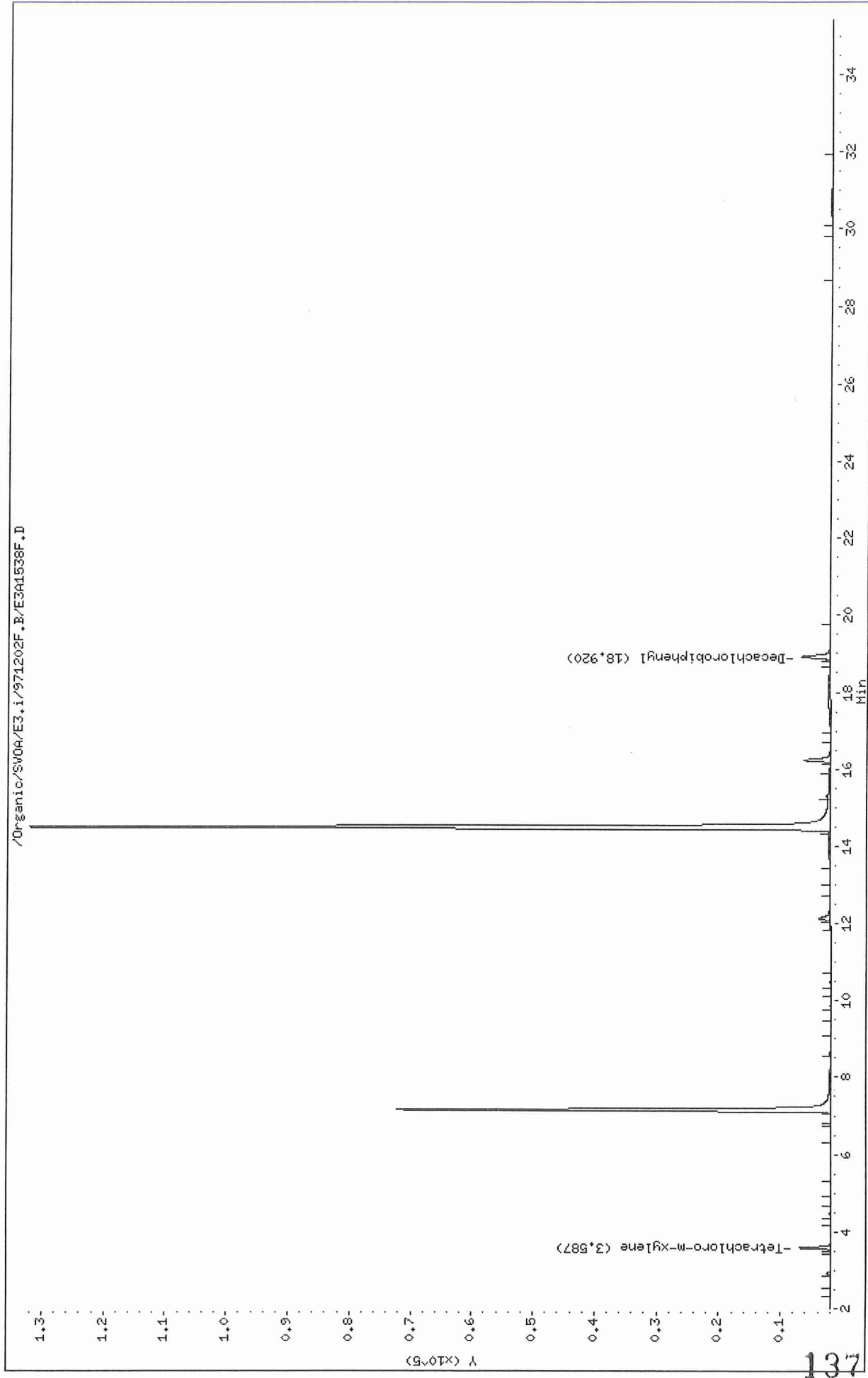
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SW0A/E3.i/971202R.B/E3A1538R.D

Date : 02-DEC-1997 19:27

Client ID: C0GH3

Sample Info: C0GH3.C0GH3.cog.sub

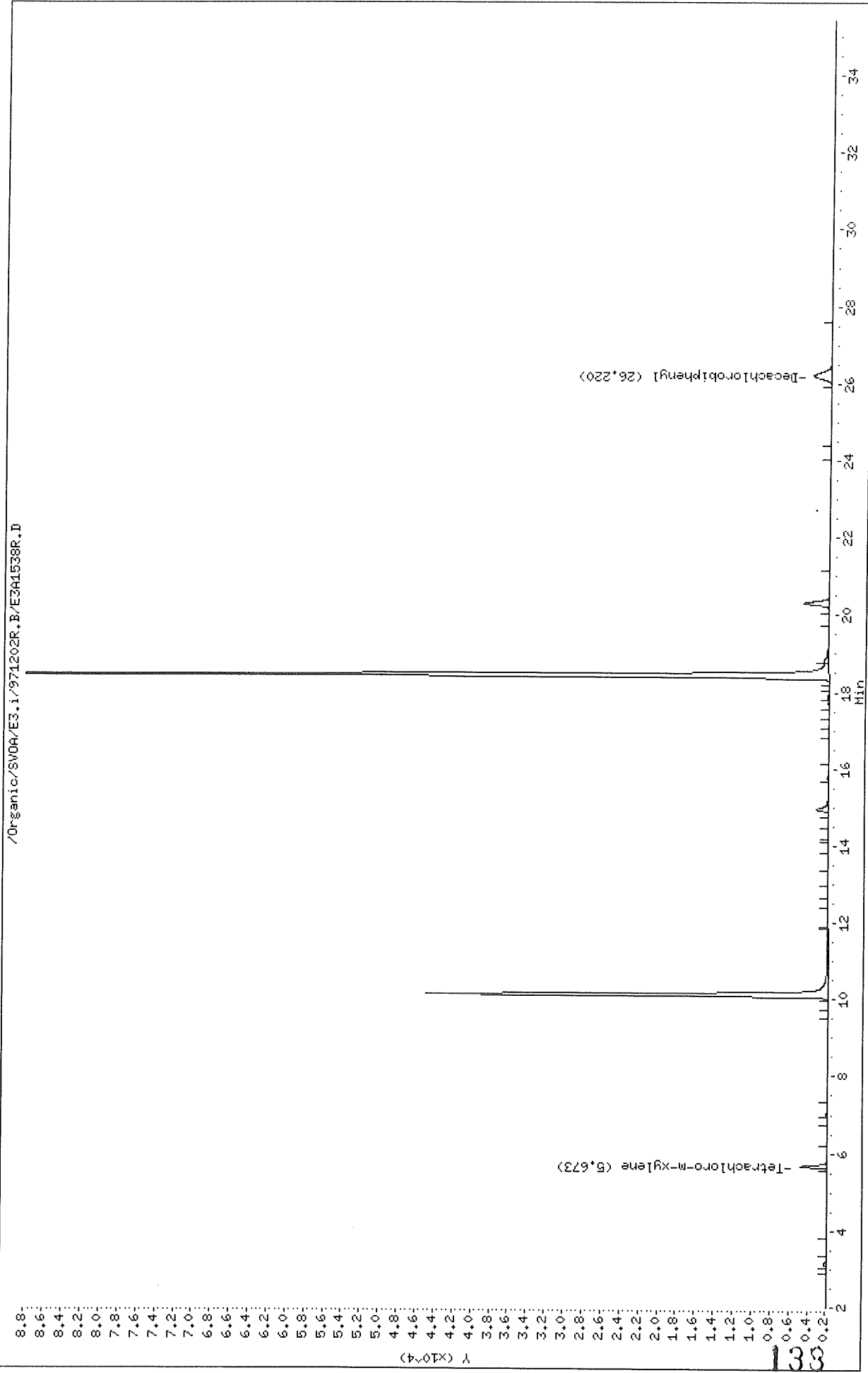
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971202F.B\E3A1538F.D
 Sample #2 : \Organic\SVOA\E3.i\971202R.B\E3A1538R.D
 Inj Date : 02-DEC-1997 19:27
 Sample Info: COGH3,COGH3,, cog.sub
 Misc Info : ,3
 Cal Date : 03-DEC-1997 12:21
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971202F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971202R.B\e3PCBvhb-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
Tetrachloro-m-xylene	3.587	5.673	4930	2865	0.0303	0.0297		100.00(a)
Decachlorobiphenyl	18.920	26.220	4607	1875	0.0296	0.0302		100.00(a)
2,4,4'-Trichlorobiphenyl	7.150	10.113	70319	43014	2.03	2.02		100.00
Hexachlorobiphenyl	14.480	18.430	129987	86070	2.01	2.03		100.00

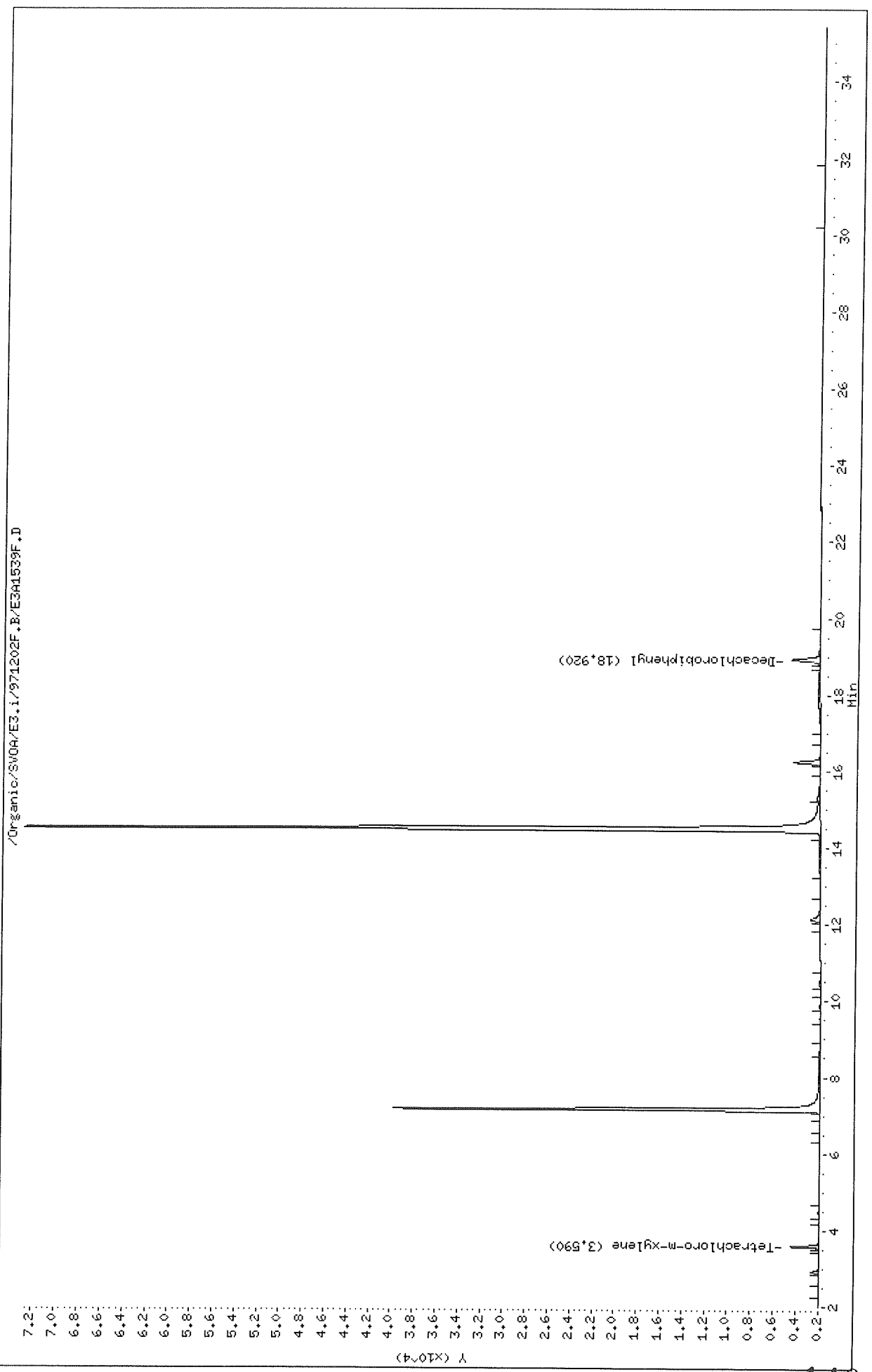
QC Flag Legend

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

6L
 12/15/97

Data File: /Organic/SV0A/E3.i./971202F.B/E3A1539F.D
Date : 02-DEC-1997 20:05
Client ID: C06H2
Sample Info: C06H2,C06H2,,cog.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971202R.B/E3A1539R.D

Date : 02-DEC-1997 20:05

Client ID: C06H2

Sample Info: C06H2,C06H2,,cog.sub

Volume Injected (uL): 2.0

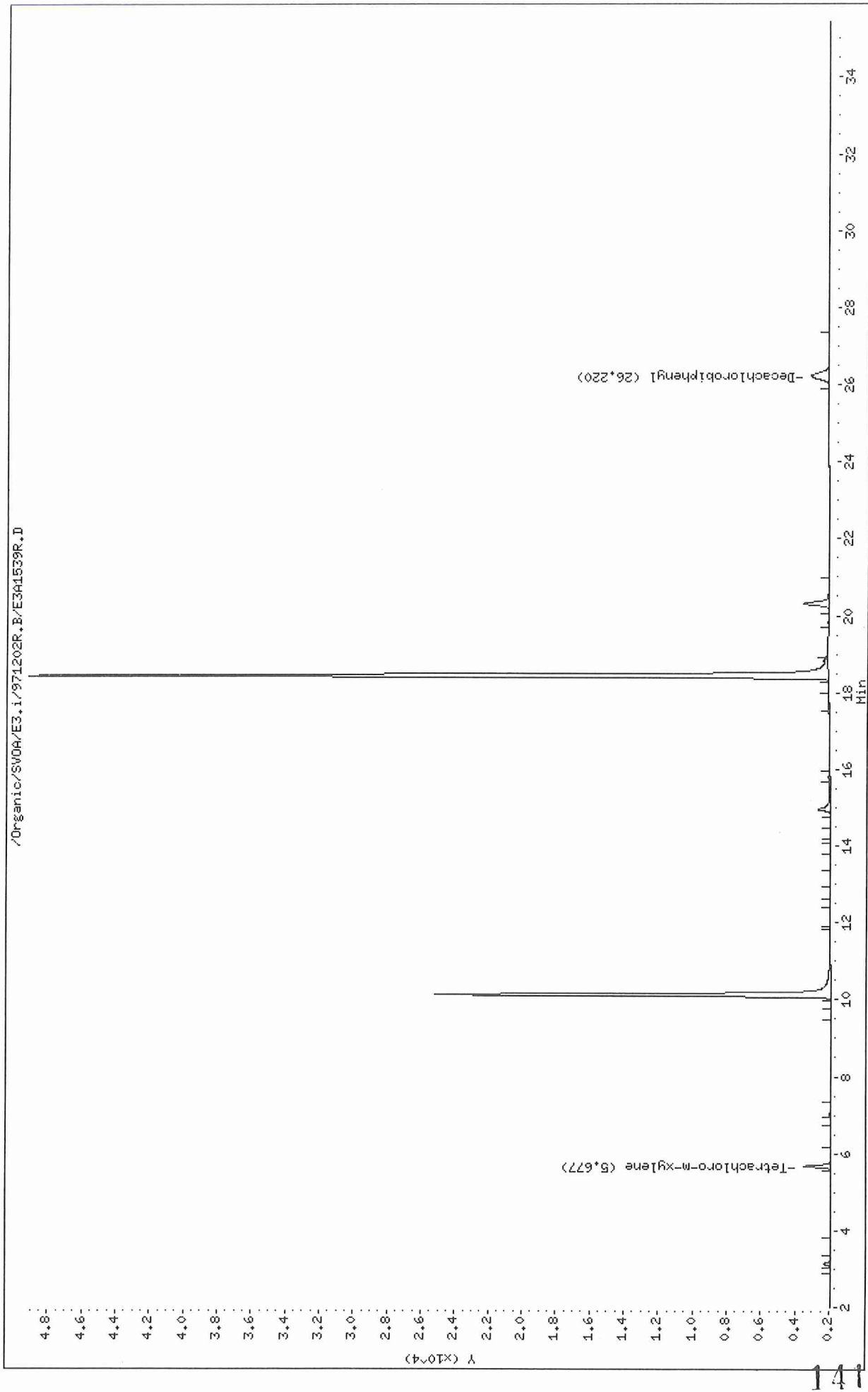
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV04/E3.i/971202R.B/E3A1539R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971202F.B\E3A1539F.D
 Sample #2 : \Organic\SVOA\E3.i\971202R.B\E3A1539R.D
 Inj Date : 02-DEC-1997 20:05
 Sample Info: COGH2,COGH2,,cog.sub
 Misc Info : ,2
 Cal Date : 03-DEC-1997 12:21
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971202F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971202R.B\e3PCBvhb-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
Tetrachloro-m-xylene	3.590	5.677	2530	1539	0.0155	0.0159		100.00 (a)
Decachlorobiphenyl	18.920	26.220	2506	1028	0.0161	0.0165		100.00 (a)
2,4,4'-Trichlorobiphenyl	7.150	10.117	37858	23284	1.09	1.10		100.00
Hexachlorobiphenyl	14.480	18.430	70757	47037	1.09	1.11		100.00

QC Flag Legend

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

GL
 12/15/97

Data File: /Organic/SV04/E3.1/971202F.B/E3A1540F.D

Date : 02-DEC-1997 20:43

Client ID: C06H1

Sample Info: C06H1,C06H1,,cog.sub

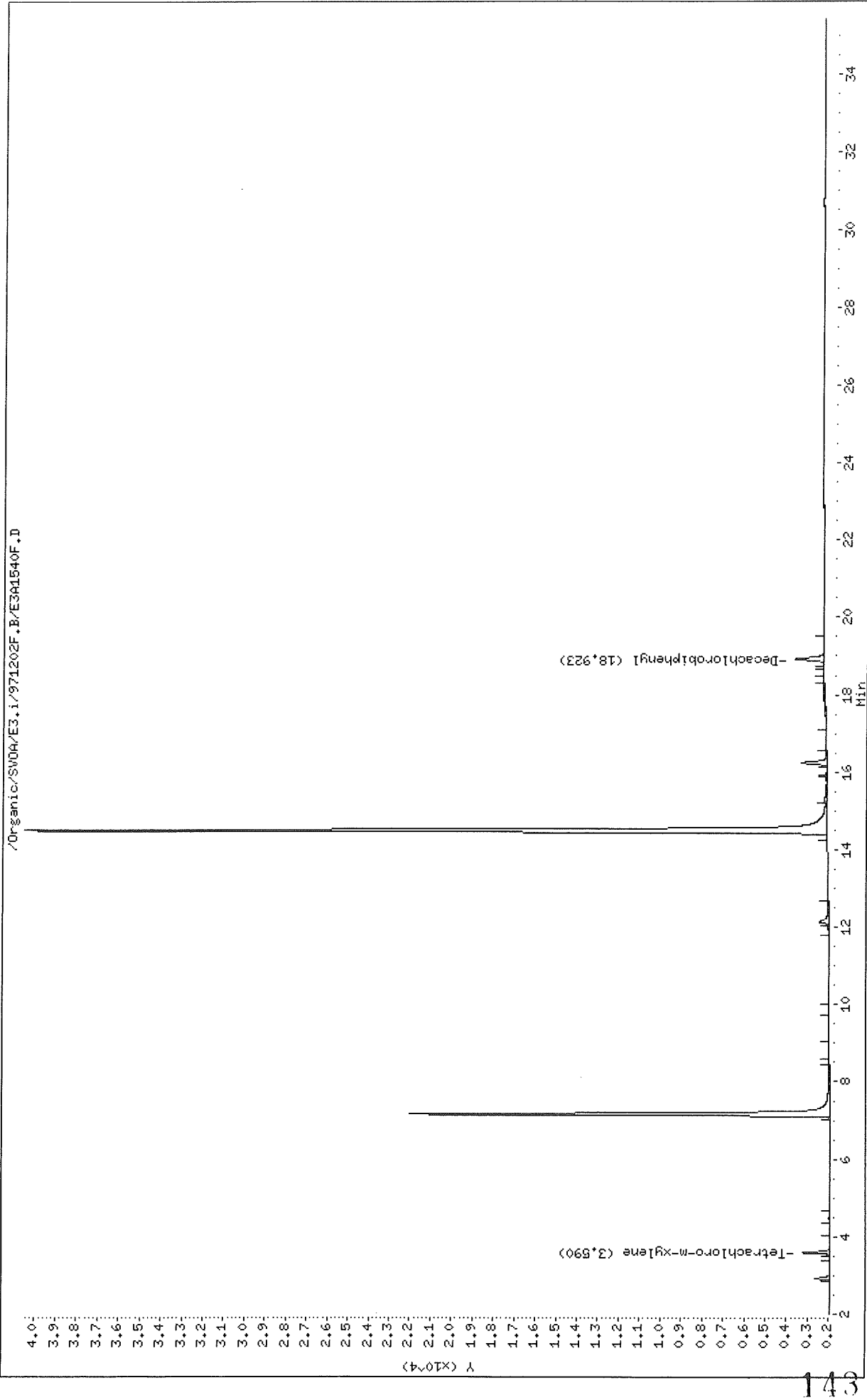
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

Operator: jfs

Column diameter: 0.53



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Data File: /Organic/SV0A/E3.i/971202R.B/E3A1540R.D

Date : 02-DEC-1997 20:43

Client ID: C06H1

Sample Info: C06H1.C06H1.cog.sub

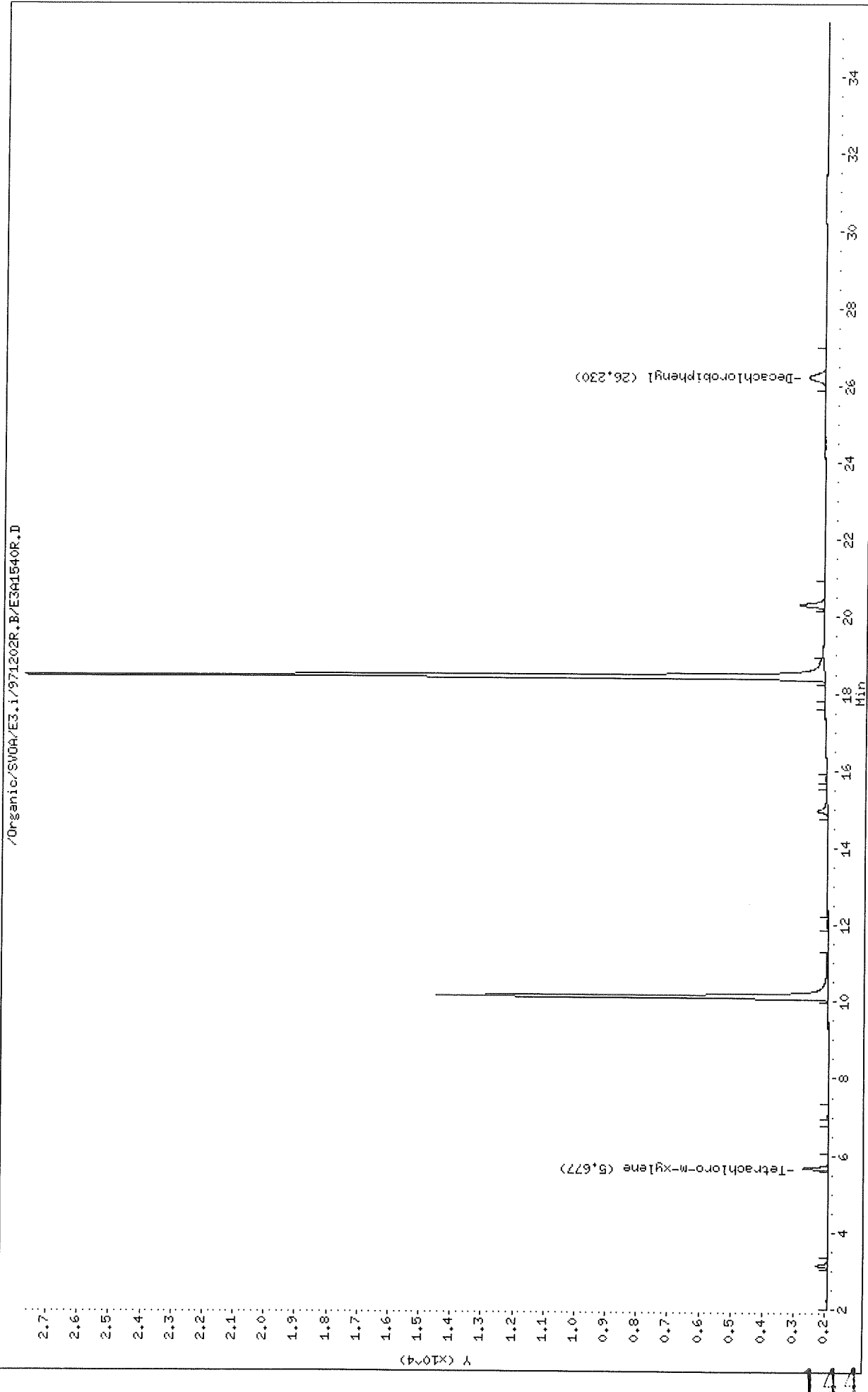
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971202F.B\E3A1540F.D
 Sample #2 : \Organic\SVOA\E3.i\971202R.B\E3A1540R.D
 Inj Date : 02-DEC-1997 20:43
 Sample Info: COGH1,COGH1,,cog.sub
 Misc Info : ,1
 Cal Date : 03-DEC-1997 12:21
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971202F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971202R.B\e3PCBvhb-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
Tetrachloro-m-xylene	3.590	5.677	1301	817	0.00799	0.00846		100.00(a)
Decachlorobiphenyl	18.923	26.230	1350	546	0.00867	0.00878		100.00(a)
2,4,4'-Trichlorobiphenyl	7.153	10.117	20090	12520	0.580	0.589		100.00(a)
Hexachlorobiphenyl	14.483	18.433	38417	25615	0.594	0.604		100.00(a)

QC Flag Legend

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

GL
 12/15/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1236F.D

Date: 12-NOV-1997 18:59

Client ID: ar1221H5

Sample Info: ar1221H5,ar1221H5,,ar1221.sub

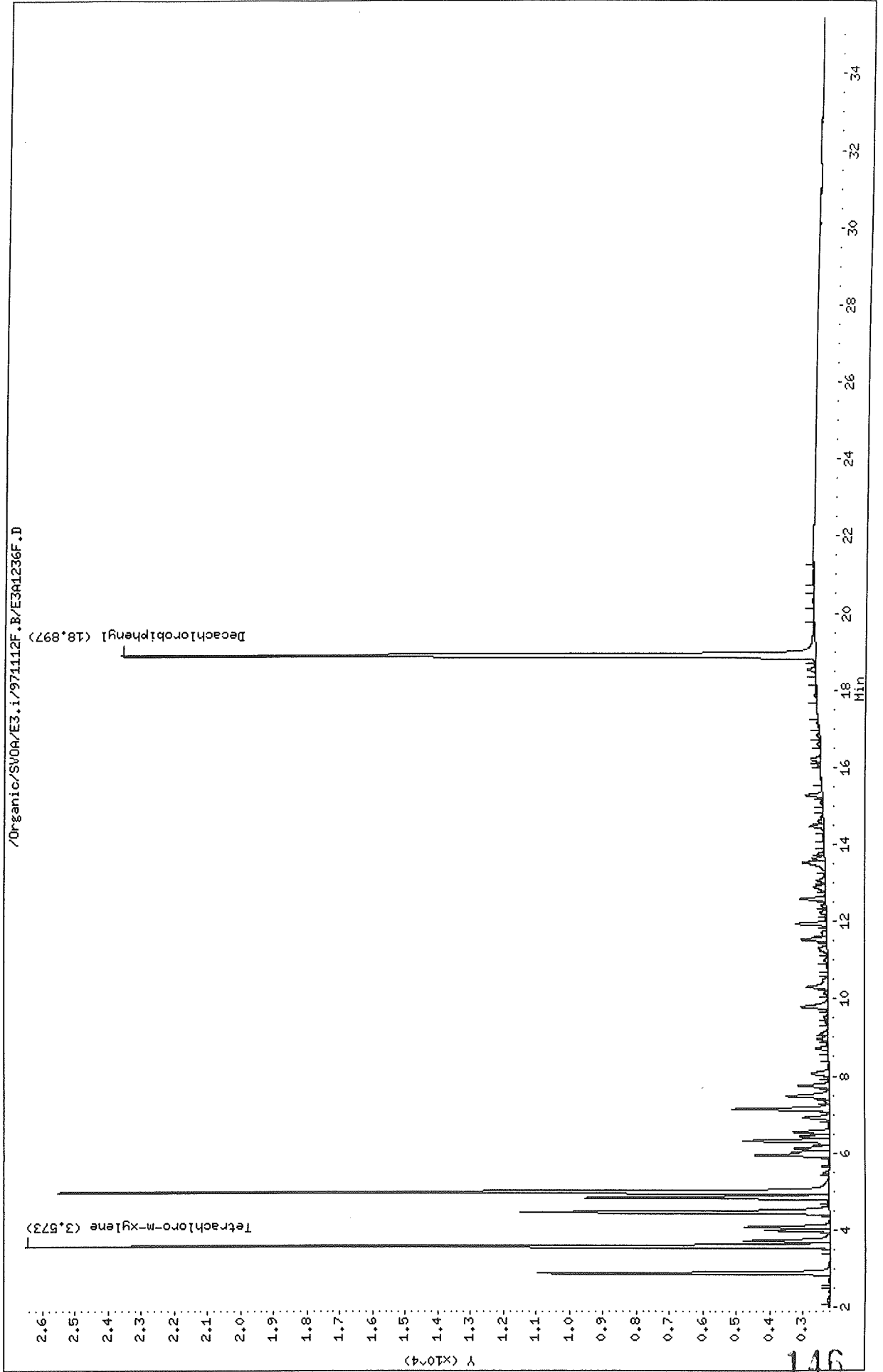
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

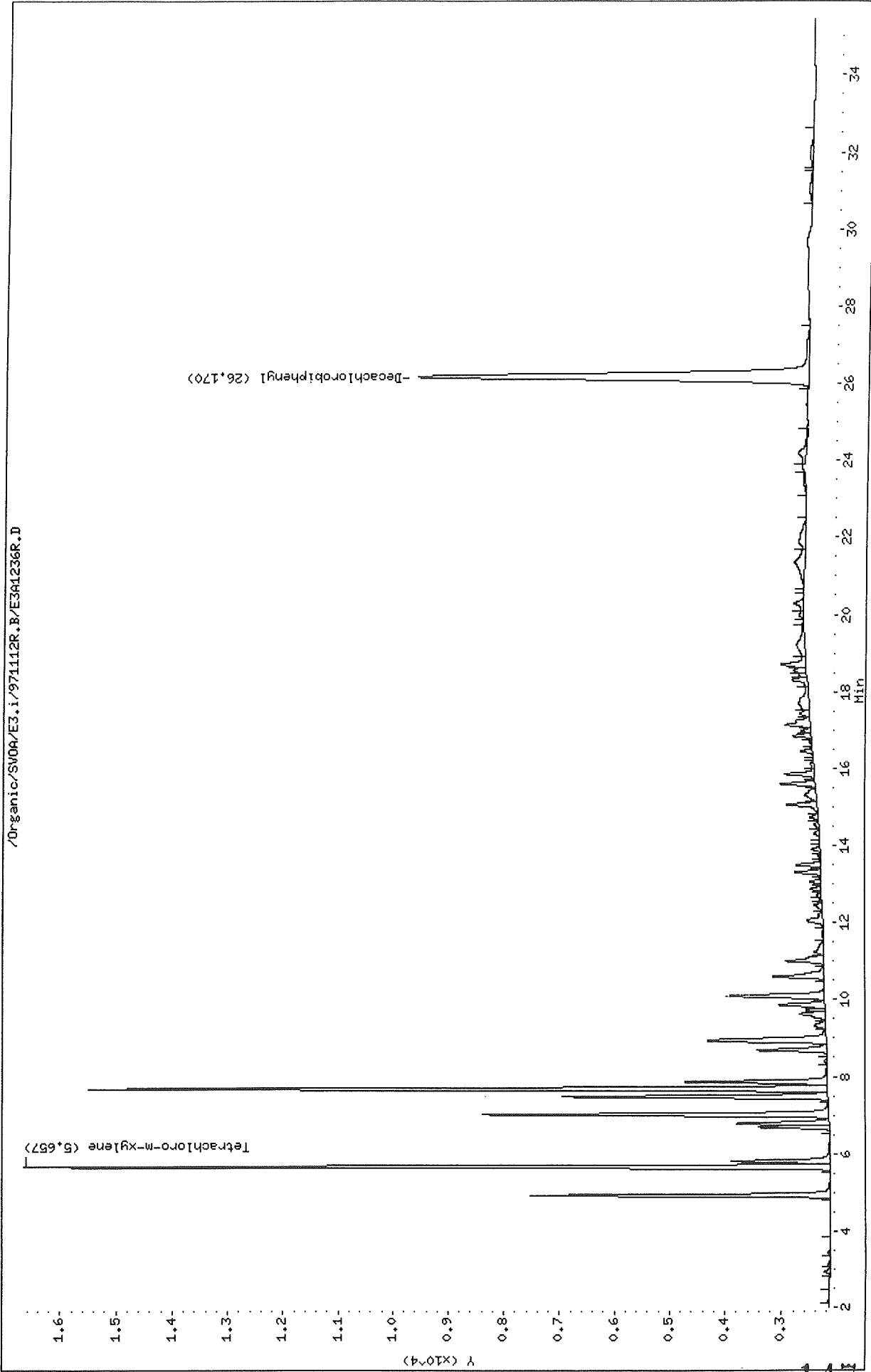


Data File: /Organic/SV0A/E3.i/971112R.B/E3A1236R.D
Date : 12-NOV-1997 18:59
Client ID: ar1221H5
Sample Info: ar1221H5,ar1221H5,,ar1221.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1236F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1236R.D
 Inj Date : 12-NOV-1997 18:59
 Sample Info: ar1221H5,ar1221H5,,ar1221.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:53
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.573	5.657	24339	14523	0.208	0.197		100.00 (A)
Aroclor-1221	2.877	4.923	8782	5380	9.89	9.93	80.00- 120.00	100.00
	4.457	7.010	9298	6210	9.94	9.95	72.02- 112.02	105.88
	4.973	7.670	23297	13319	9.94	9.95	215.35- 255.35	265.28
	Average of Peak Amounts =				9.92	9.94		
Decachlorobiphenyl	18.897	26.170	21033	7032	0.182	0.171		100.00

QC Flag Legend

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

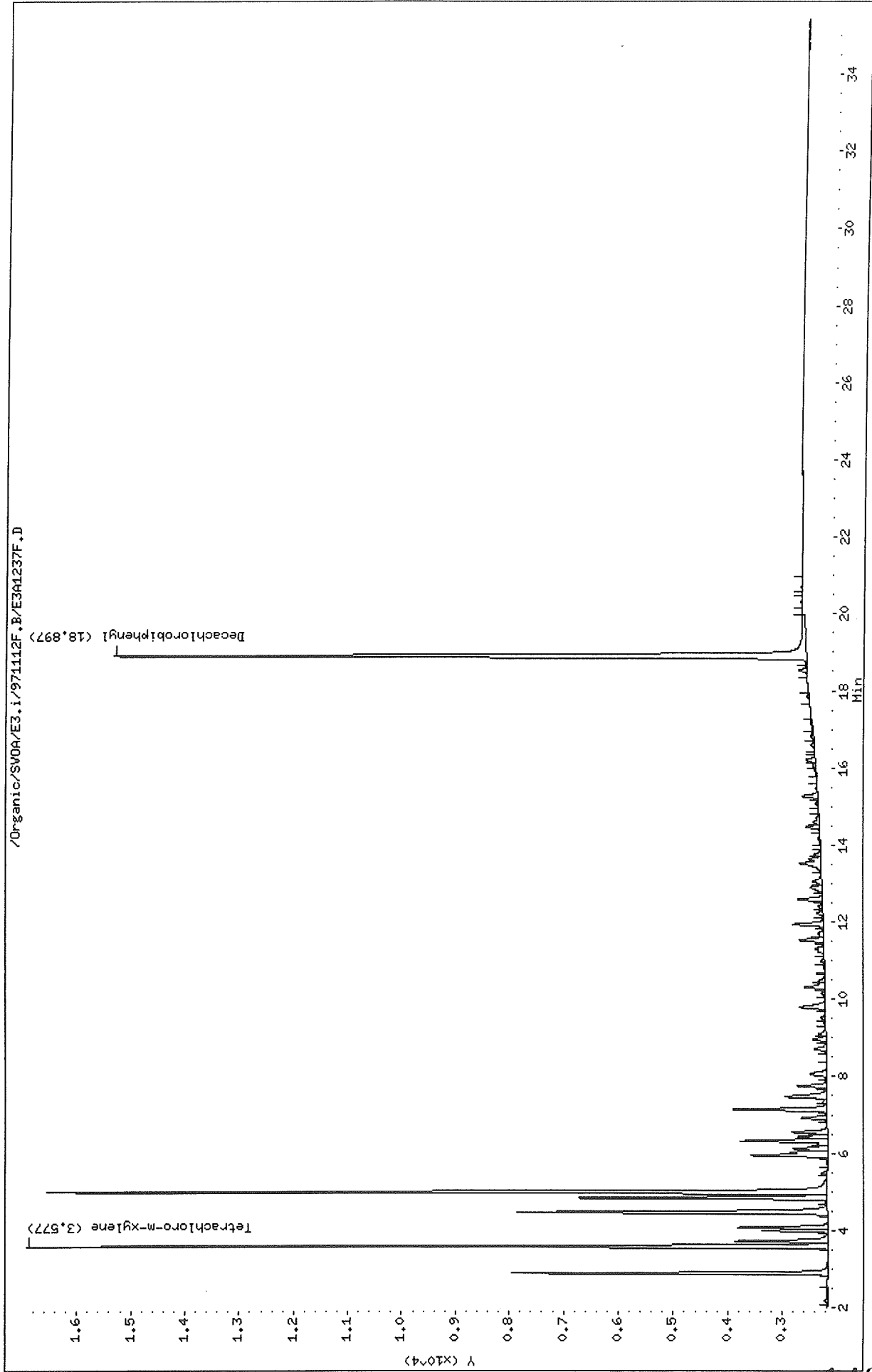
MZ
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1237F.D
Date : 12-NOV-1997 19:37
Client ID: ar1221H4
Sample Info: ar1221H4,ar1221H4,,ar1221.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i

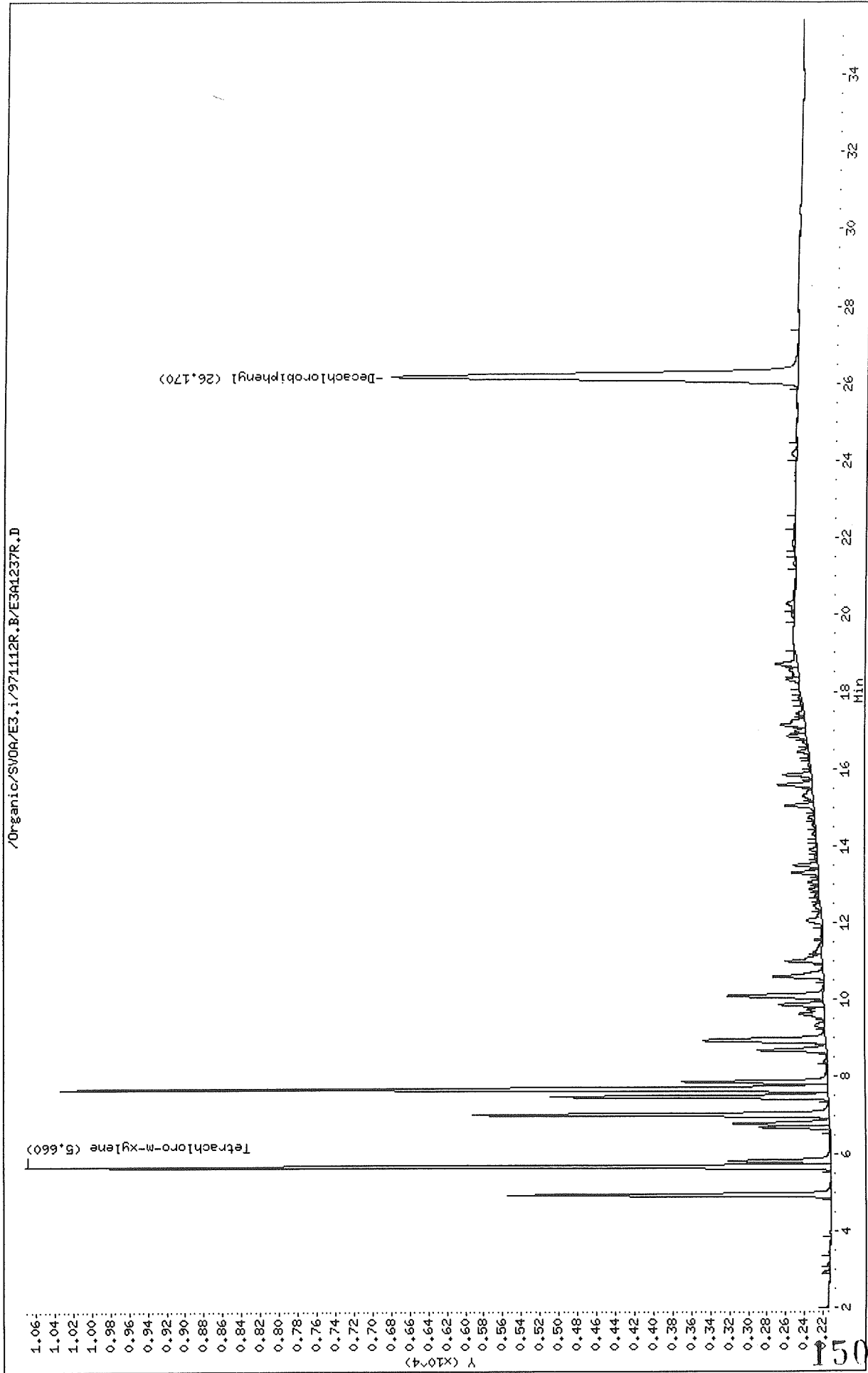
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1237R.D
Date: 12-NOV-1997 19:37
Client ID: ar1221H4
Sample Info: ar1221H4,ar1221H4,,ar1221.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1237F.D
 Report Date: 20-Nov-1997 10:18

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1237F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1237R.D
 Inj Date : 12-NOV-1997 19:37
 Sample Info: ar1221H4,ar1221H4,,ar1221.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:53
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-r.m
 Sub List #1 : ar1221.sub
 Sub List #2 : ar1221.sub
 Col #1 Phase : DB-1701
 Col #2 Phase : DB-608

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

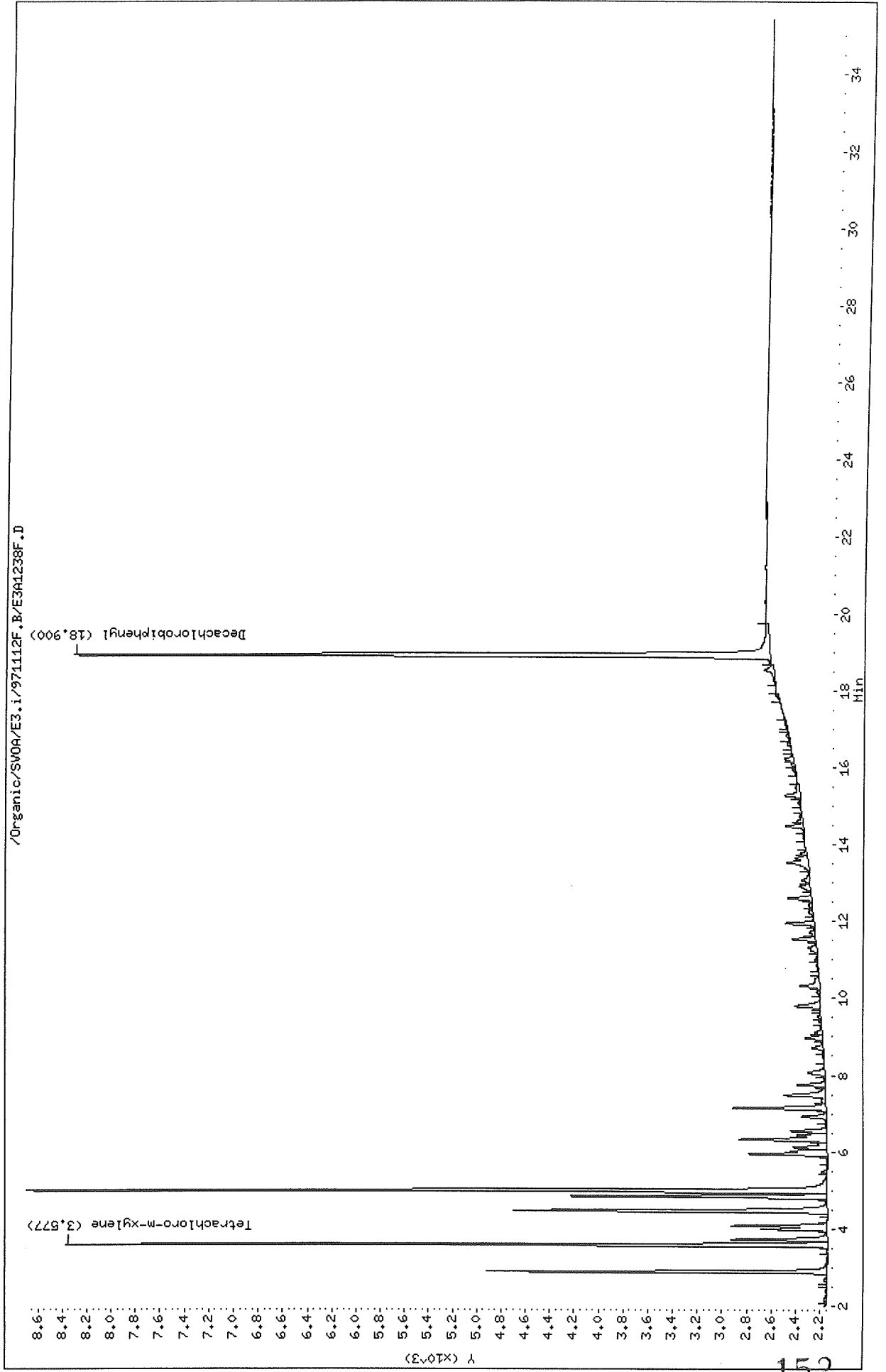
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	3.577	5.660	14760	8595	0.126	0.117		100.00
Aroclor-1221	2.880	4.927	5795	3426	5.28	5.18	80.00- 120.00	100.00
	4.460	7.010	5687	3787	5.17	5.14	72.02- 112.02	98.14
	4.977	7.673	14363	8192	5.17	5.14	215.35- 255.35	247.85
	Average of Peak Amounts =				5.21	5.15		
Decachlorobiphenyl	18.897	26.170	12754	4337	0.111	0.106		100.00

MR
 11/20/97

Data File: /Organic/SV0A/E3.1/971112F.B/E3A1238F.D
Date : 12-NOV-1997 20:14
Client ID: ar1221H3
Sample Info: ar1221H3,ar1221H3,,ar1221.sub
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1238R.D

Date: 12-NOV-1997 20:14

Client ID: ar1221H3

Sample Info: ar1221H3.ar1221H3,,ar1221.sub

Volume Injected (uL): 2.0

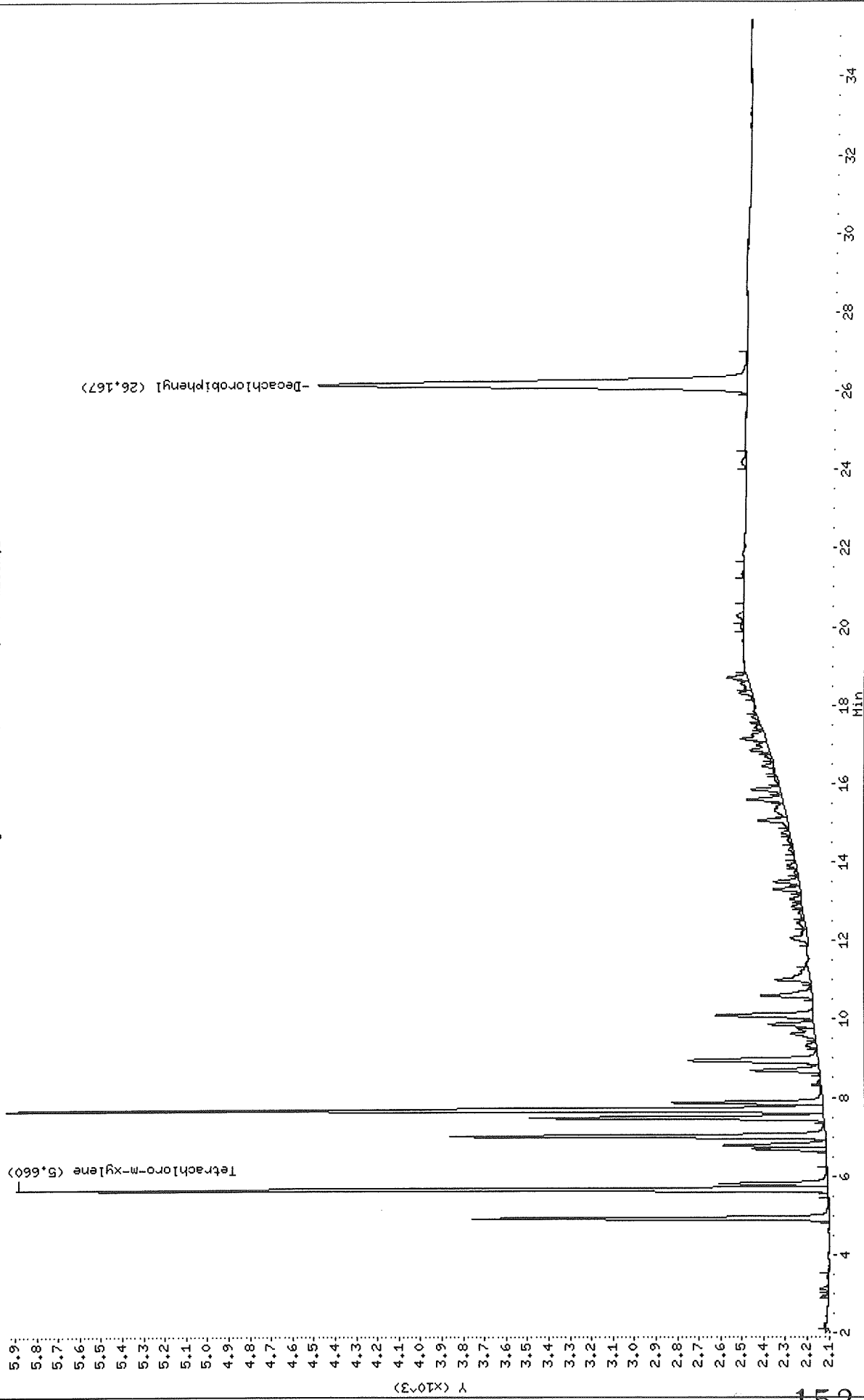
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971112R.B/E3A1238R.D



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1238F.D
 Report Date: 20-Nov-1997 10:19

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1238F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1238R.D
 Inj Date : 12-NOV-1997 20:14
 Sample Info: ar1221H3,ar1221H3,,ar1221.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:53
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.660	6241	3792	0.0534	0.0515		100.00
Aroclor-1221	2.880	4.927	2781	1658	1.93	2.00	80.00- 120.00	100.00
	4.460	7.013	2559	1750	1.97	2.01	72.02- 112.02	92.02
	4.977	7.673	6545	3816	1.98	2.00	215.35- 255.35	235.35
	Average of Peak Amounts =				1.96	2.00		
Decachlorobiphenyl	18.900	26.167	5689	2012	0.0493	0.0489		100.00 (a)

QC Flag Legend

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

mr
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1239F.D

Date: 12-NOV-1997 20:52

Client ID: ar1221H2

Sample Info: ar1221H2.ar1221H2,,ar1221.sub

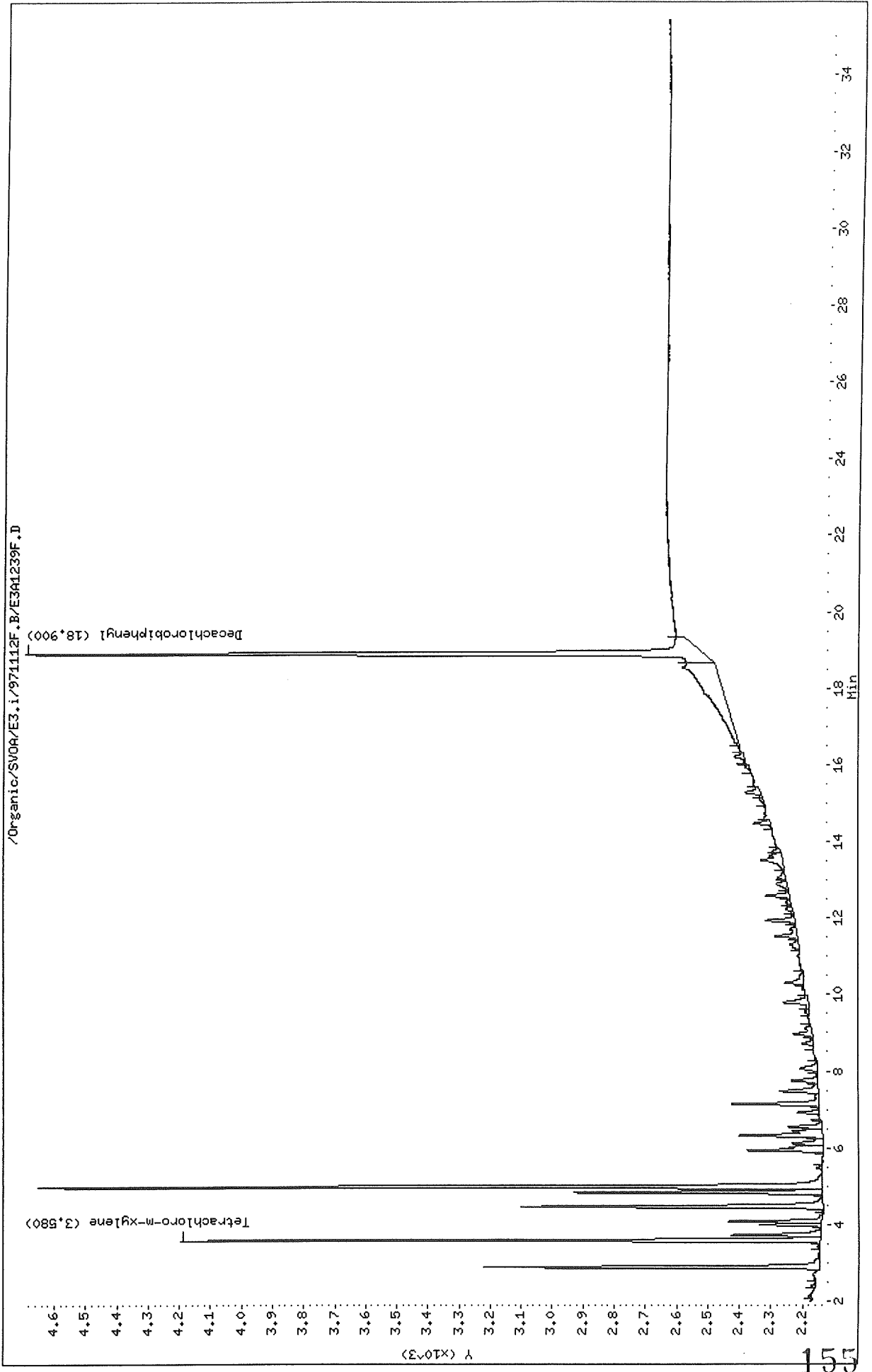
Volume Injected (ul): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

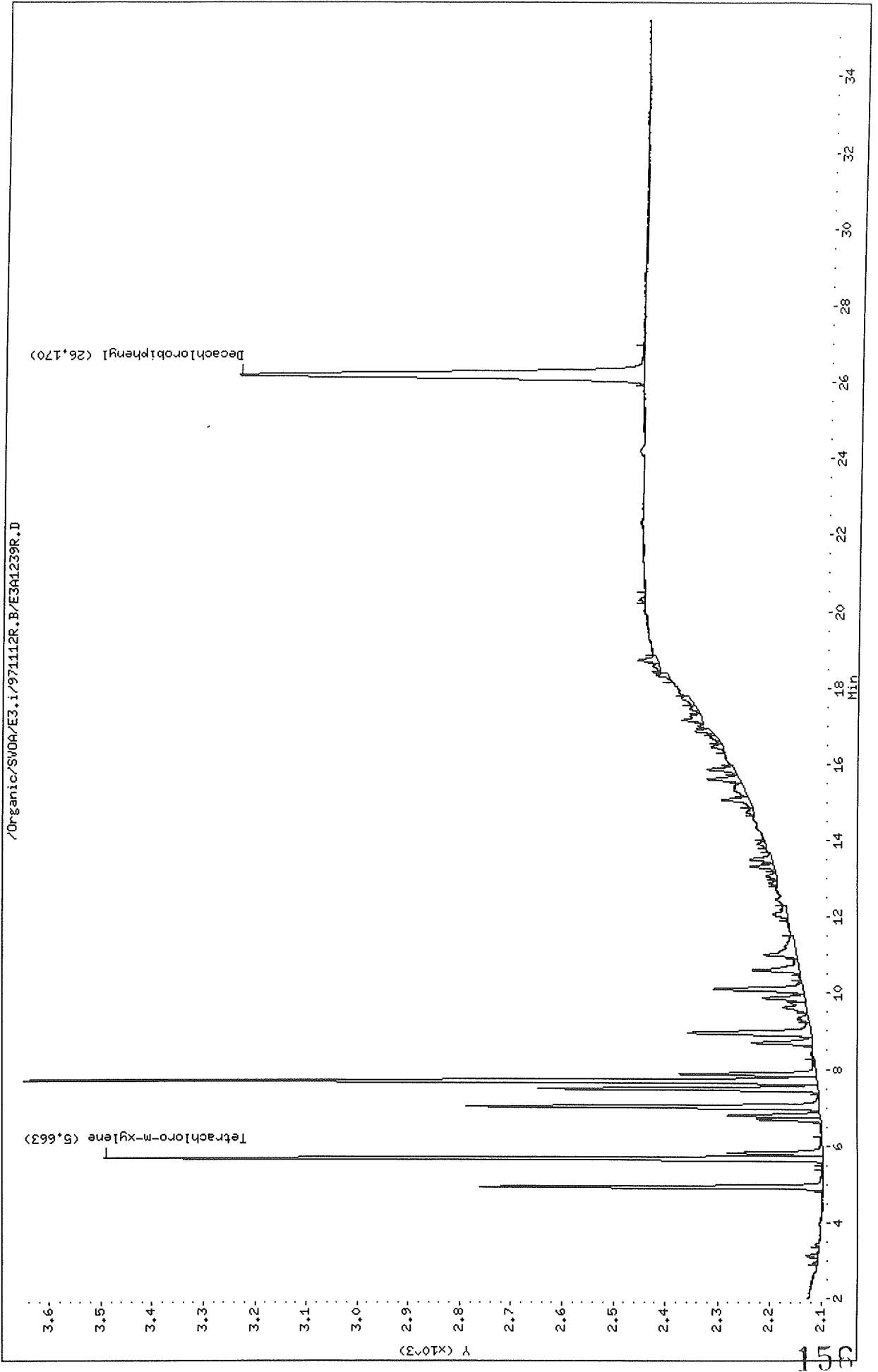


Data File: /Organic/SV0A/E3.i/971112R.B/E3A1239R.D
Date: 12-NOV-1997 20:52
Client ID: ar1221H2
Sample Info: ar1221H2,ar1221H2,,ar1221.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1239F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1239R.D
 Inj Date : 12-NOV-1997 20:52
 Sample Info: ar1221H2,ar1221H2,,ar1221.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.663	2051	1396	0.0175	0.0190		100.00(a)
Aroclor-1221	2.883	4.930	1074	663	0.615	0.687	80.00- 120.00	100.00(a)
	4.463	7.013	963	683	0.675	0.710	72.02- 112.02	89.66(a)
	4.980	7.673	2515	1543	0.684	0.728	215.35- 255.35	234.17(a)
Average of Peak Amounts =					0.658	0.708		
Decachlorobiphenyl	18.900	26.170	2186	790	0.0190	0.0192		100.00(a)

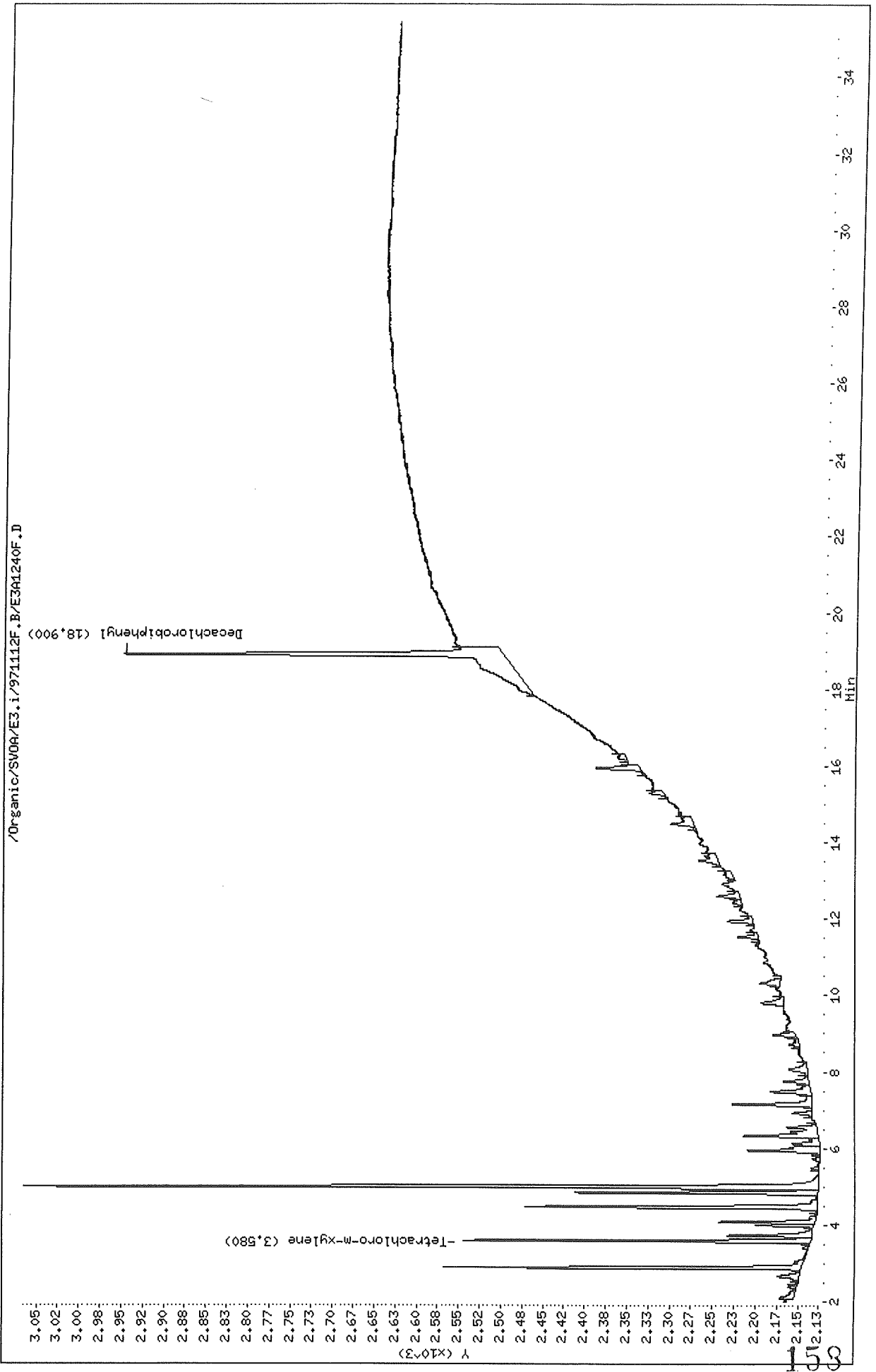
QC Flag Legend

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

MR
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1240F.D
 Date: 12-NOV-1997 21:30
 Client ID: ar1221H1
 Sample Info: ar1221H1,ar1221H1,ar1221H1,,ar1221.sub
 Volume Injected (ul): 2.0
 Column Phase: DB-1701

Instrument: E3.i
 Operator: jfs
 Column diameter: 0.53

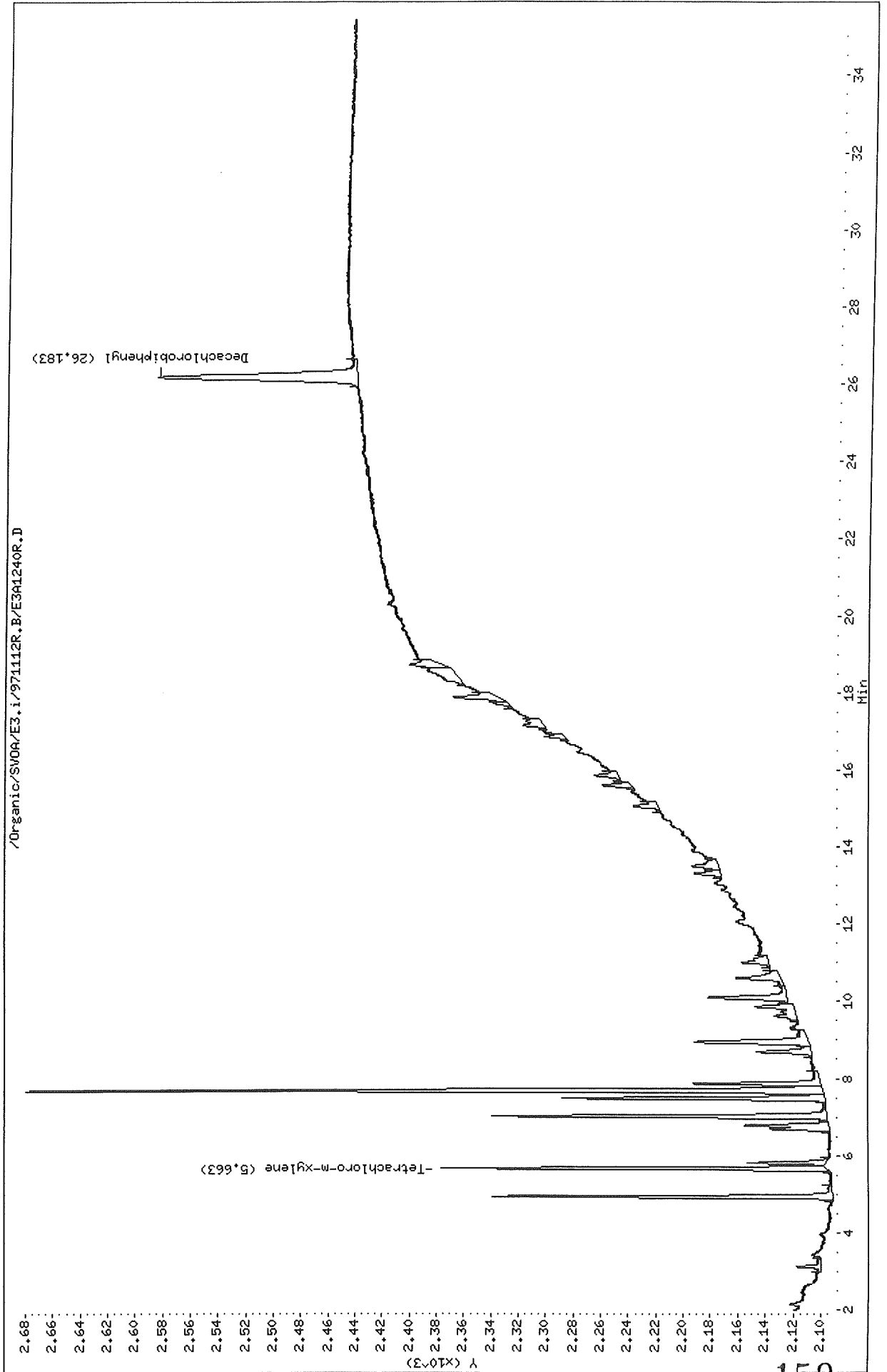


Data File: /Organic/SV004/E3.i/971112R.B/E3A1240R.D
Date : 12-NOV-1997 21:30
Client ID: ar1221H1
Sample Info: ar1221H1,ar1221H1,ar1221,sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1240F.D
 Report Date: 20-Nov-1997 10:19

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1240F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1240R.D
 Inj Date : 12-NOV-1997 21:30
 Sample Info: ar1221H1,ar1221H1,,ar1221.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.663	409	281	0.00350	0.00382		100.00 (a)
Aroclor-1221	2.887	4.930	421	248	0.222	0.239	80.00- 120.00	100.00 (a)
	4.467	7.013	344	244	0.232	0.243	72.02- 112.02	81.71 (a)
	4.983	7.677	940	583	0.245	0.262	215.35- 255.35	223.28 (a)
Average of Peak Amounts =					0.233	0.248		
Decachlorobiphenyl	18.900	26.183	451	147	0.00391	0.00358		100.00 (a)

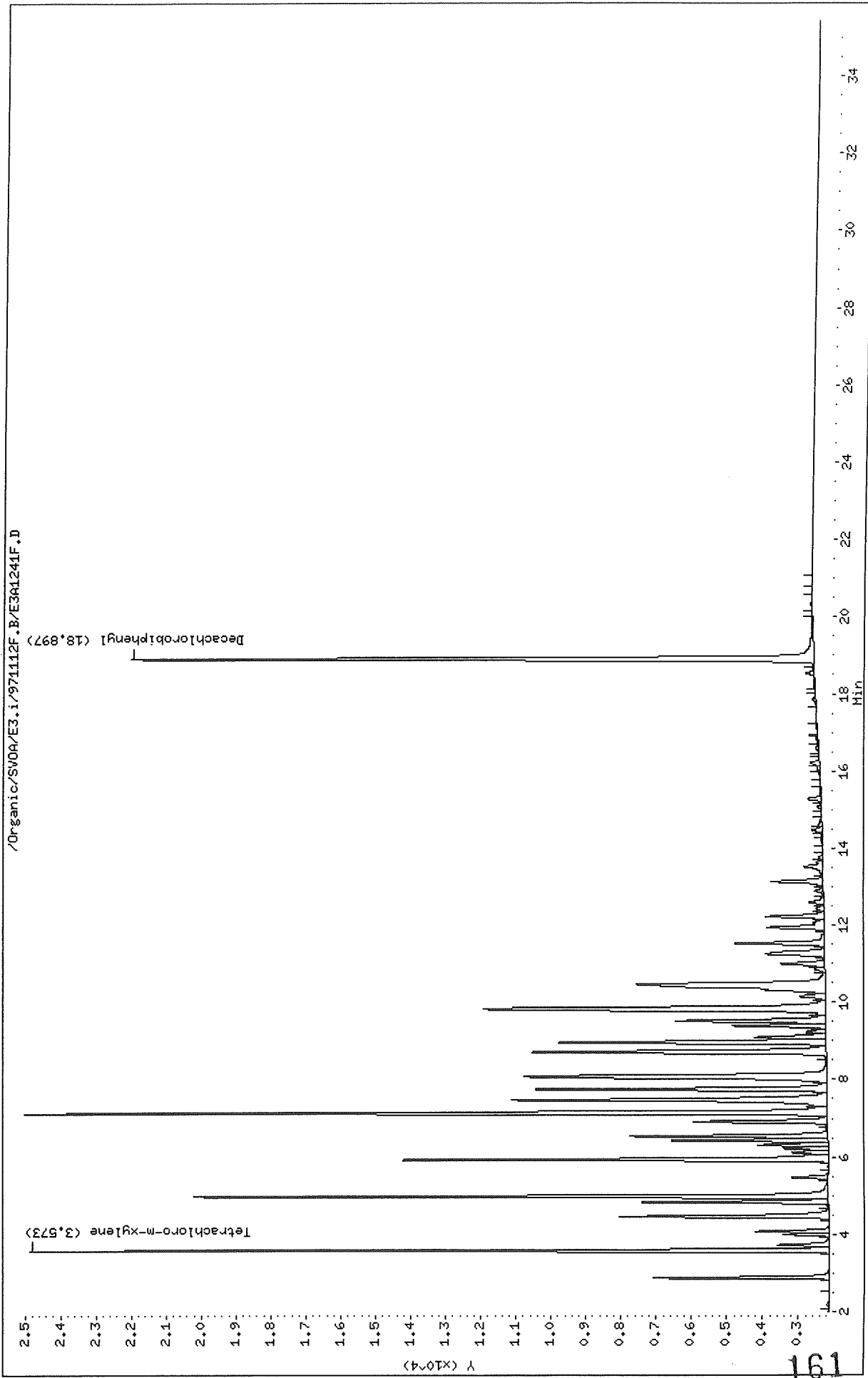
QC Flag Legend

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

MJ
 11/20/97

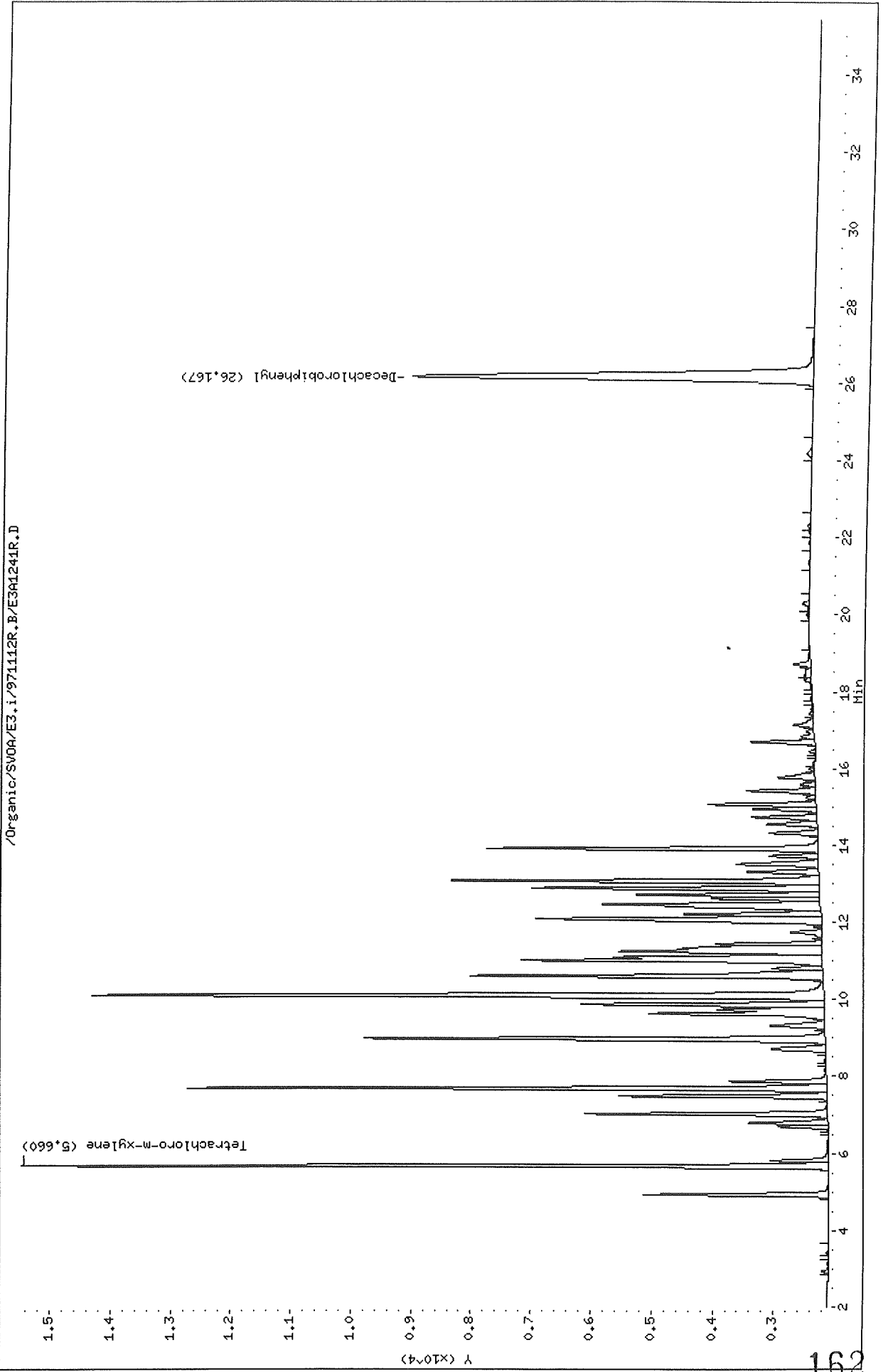
Data File: /Organic/SV06/E3.i/971112F.B/E301241F.D
Date : 12-NOV-1997 22:08
Client ID: ar1232H5
Sample Info: ar1232H5,ar1232H5,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.i/971112R.B/E3A1241R.D
Date: 12-NOV-1997 22:08
Client ID: ar1232H5
Sample Info: ar1232H5,ar1232H5,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1241F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1241R.D
 Inj Date : 12-NOV-1997 22:08
 Sample Info: ar1232H5,ar1232H5,,ar1232.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.573	5.660	22742	13374	0.194	0.182		100.00 (A)
Aroclor-1232	4.977	7.670	18060	10592	10.0	10.0	80.00- 120.00	100.00 (A)
	5.933	8.967	12073	7639	10.0	10.0	49.93- 89.93	66.85 (A)
	7.137	10.090	22858	12137	10.0	10.0	99.13- 139.13	126.57 (A)
Average of Peak Amounts =					10.0	10.0		
Decachlorobiphenyl	18.897	26.167	19482	6610	0.169	0.161		100.00 (A)

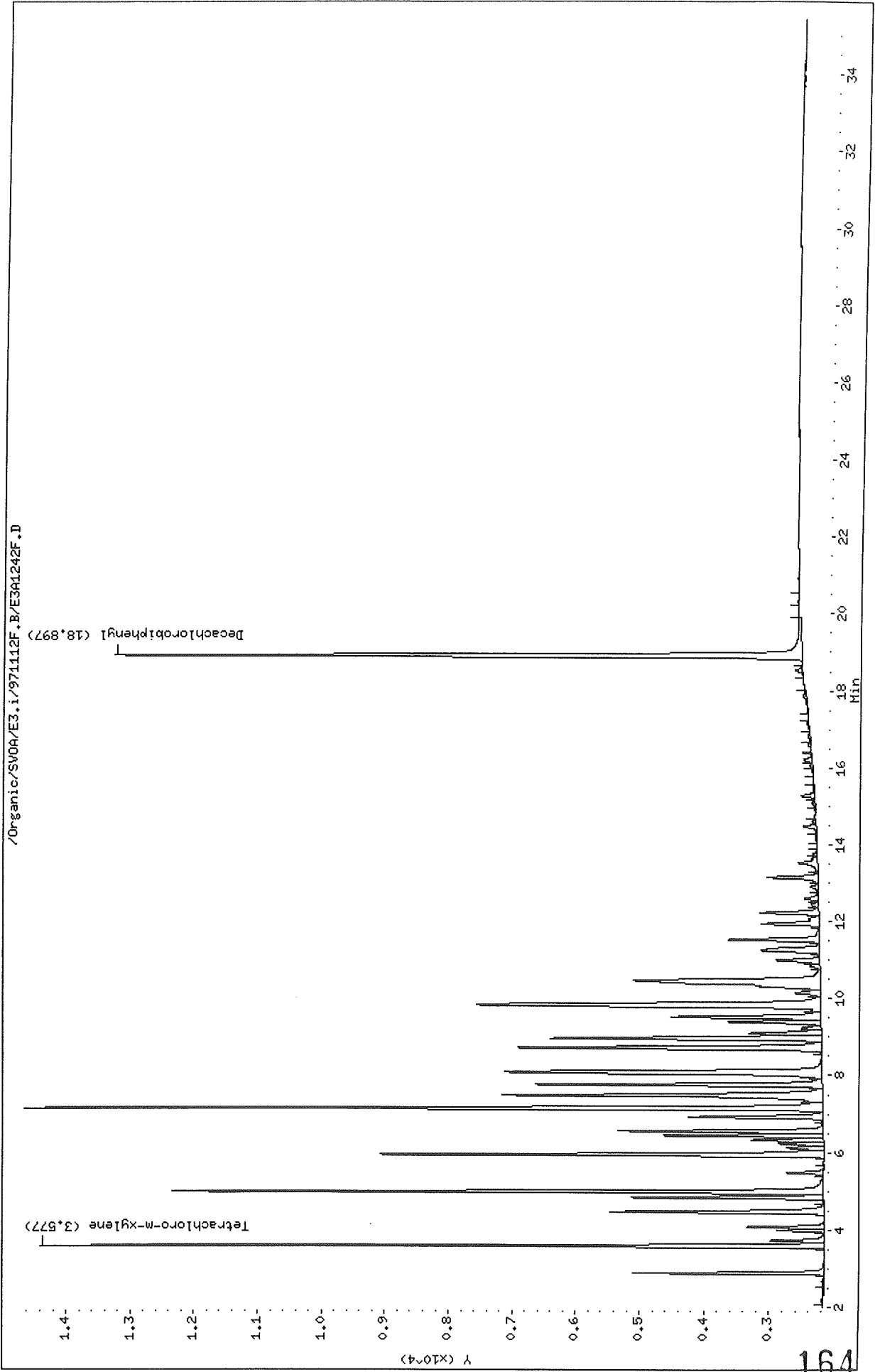
QC Flag Legend

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

mz
11/20/97

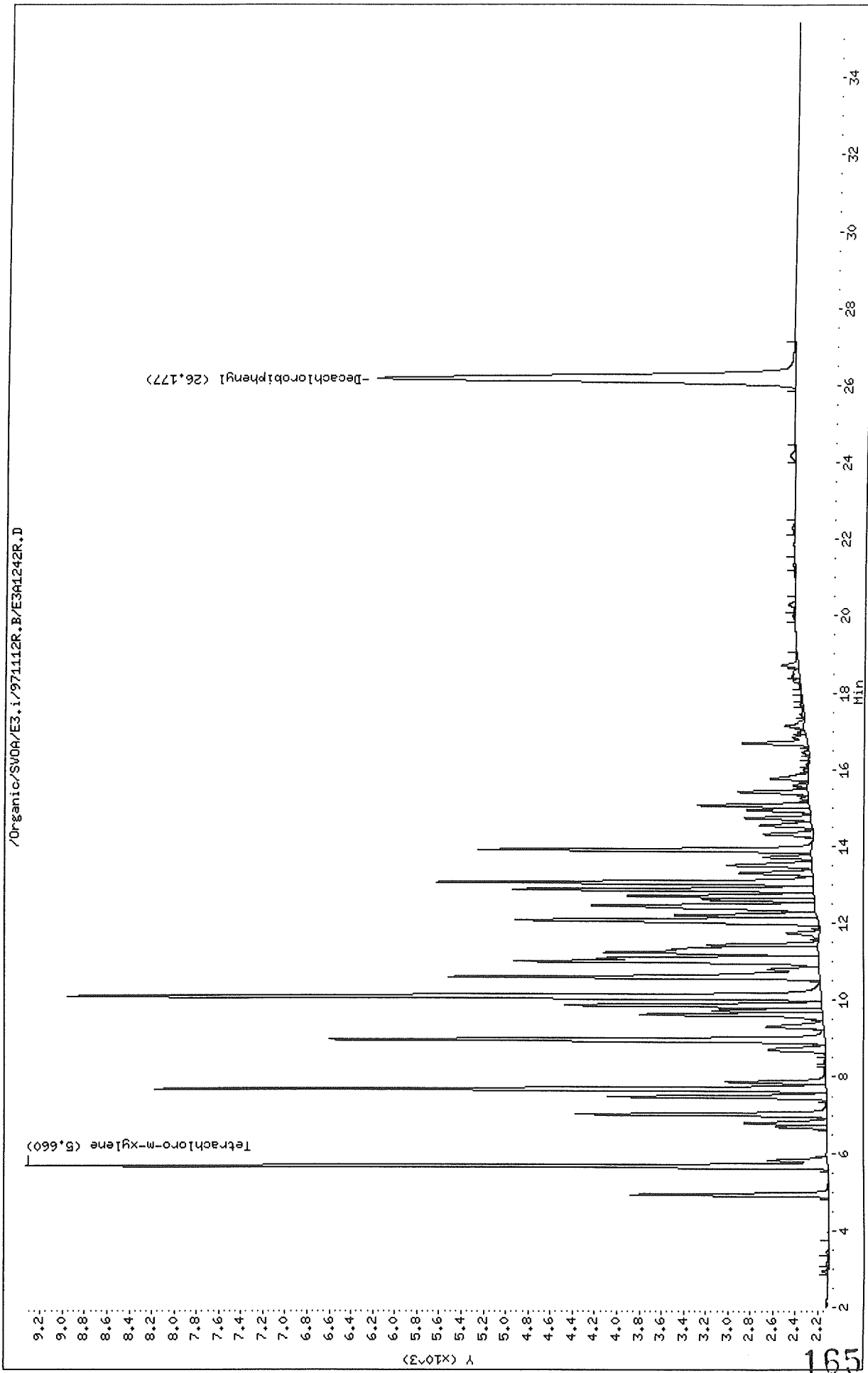
Data File: /Organic/SV004/E3.i/971112F.B/E3A1242F.D
Date : 12-NOV-1997 22:46
Client ID: ar1232H4
Sample Info: ar1232H4,ar1232H4,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1242R.D
Date : 12-NOV-1997 22:46
Client ID: ar1232H4
Sample Info: ar1232H4,ar1232H4,,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1242F.D
 Report Date: 20-Nov-1997 10:19

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1242F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1242R.D
 Inj Date : 12-NOV-1997 22:46
 Sample Info: ar1232H4,ar1232H4,,ar1232.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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)

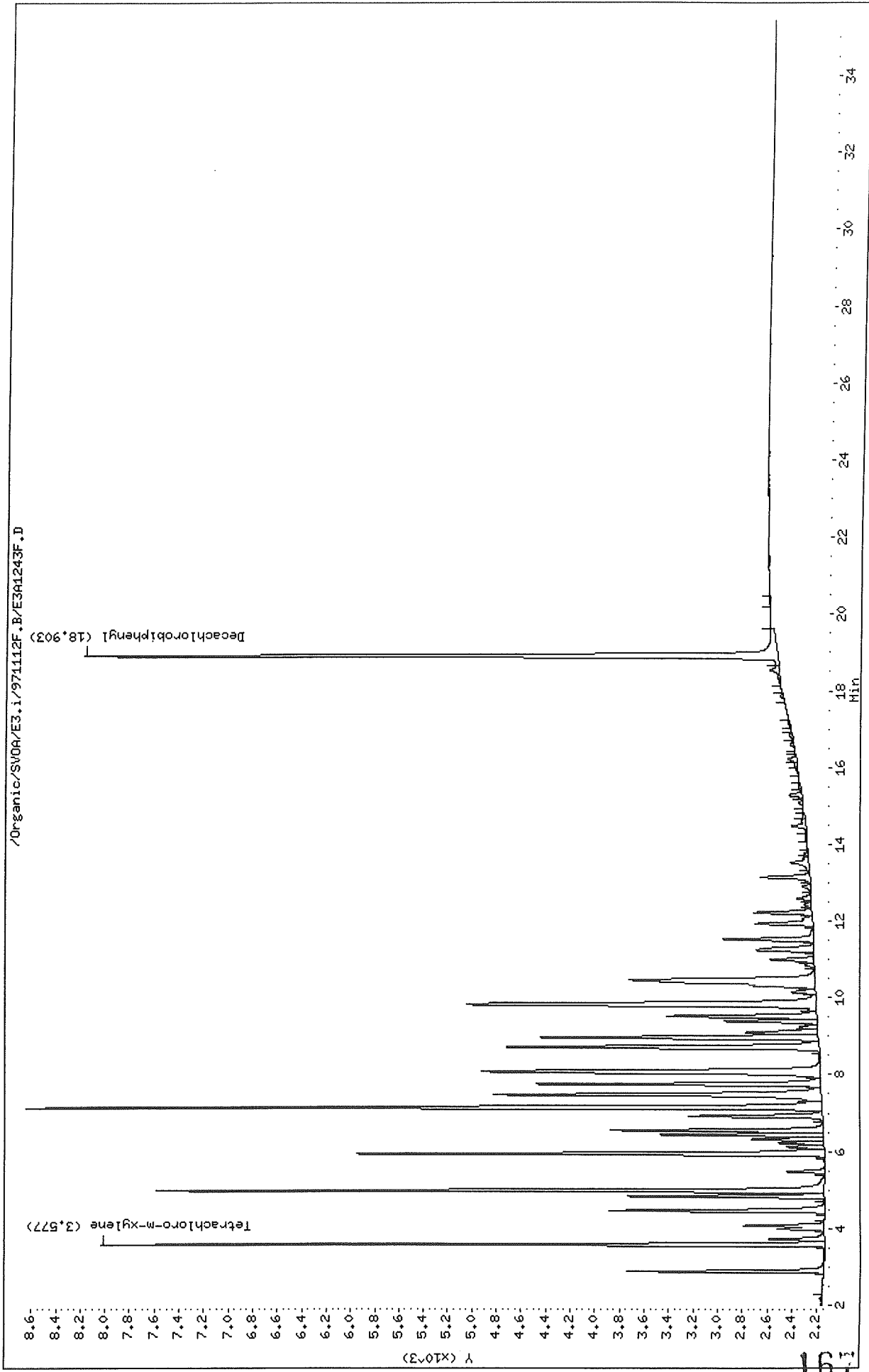
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	2.000	Volume injected (uL)

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1 (ug/L)	Conc#2 (ug/L)	Target Range	Ratio
Tetrachloro-m-xylene	3.577	5.660	12248	7226	0.105	0.0981		100.00
AroClor-1232	4.980	7.673	10171	6055	4.76	4.74	80.00- 120.00	100.00
	5.937	8.967	6922	4472	4.74	4.75	49.93- 89.93	68.06
	7.140	10.090	12482	6796	4.77	4.75	99.13- 139.13	122.72
	Average of Peak Amounts =				4.76	4.75		
Decachlorobiphenyl	18.897	26.177	10749	3771	0.0932	0.0917		100.00

MJR
11/20/97

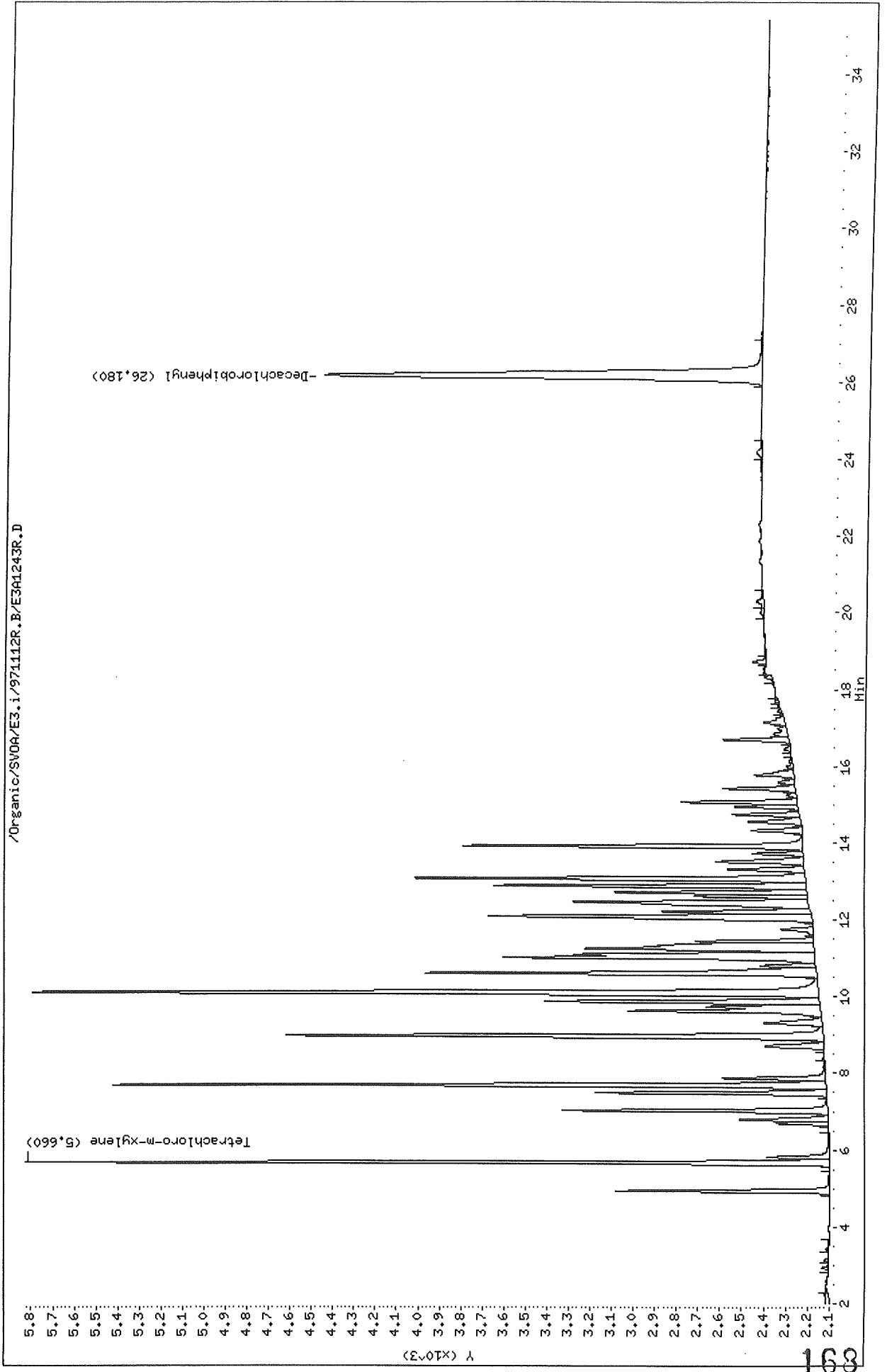
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1243F.D
Date : 12-NOV-1997 23:24
Client ID: ar1232H3
Sample Info: ar1232H3,ar1232H3,,ar1232.sub
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1243R.D
Date : 12-NOV-1997 23:24
Client ID: ar1232H3
Sample Info: ar1232H3,ar1232H3,,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1243F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1243R.D
 Inj Date : 12-NOV-1997 23:24
 Sample Info: ar1232H3,ar1232H3,,ar1232.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.660	5898	3728	0.0504	0.0506		100.00
Aroclor-1232	4.980	7.673	5448	3310	2.26	2.26	80.00- 120.00	100.00
	5.937	8.967	3810	2493	2.26	2.25	49.93- 89.93	69.93
	7.140	10.093	6490	3648	2.26	2.27	99.13- 139.13	119.13
	Average of Peak Amounts =				2.26	2.26		
Decachlorobiphenyl	18.903	26.180	5667	2032	0.0492	0.0494		100.00(a)

QC Flag Legend

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

mz
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1244F.D

Date: 13-NOV-1997 00:03

Client ID: ar1232H2

Sample Info: ar1232H2.ar1232H2,,ar1232.sub

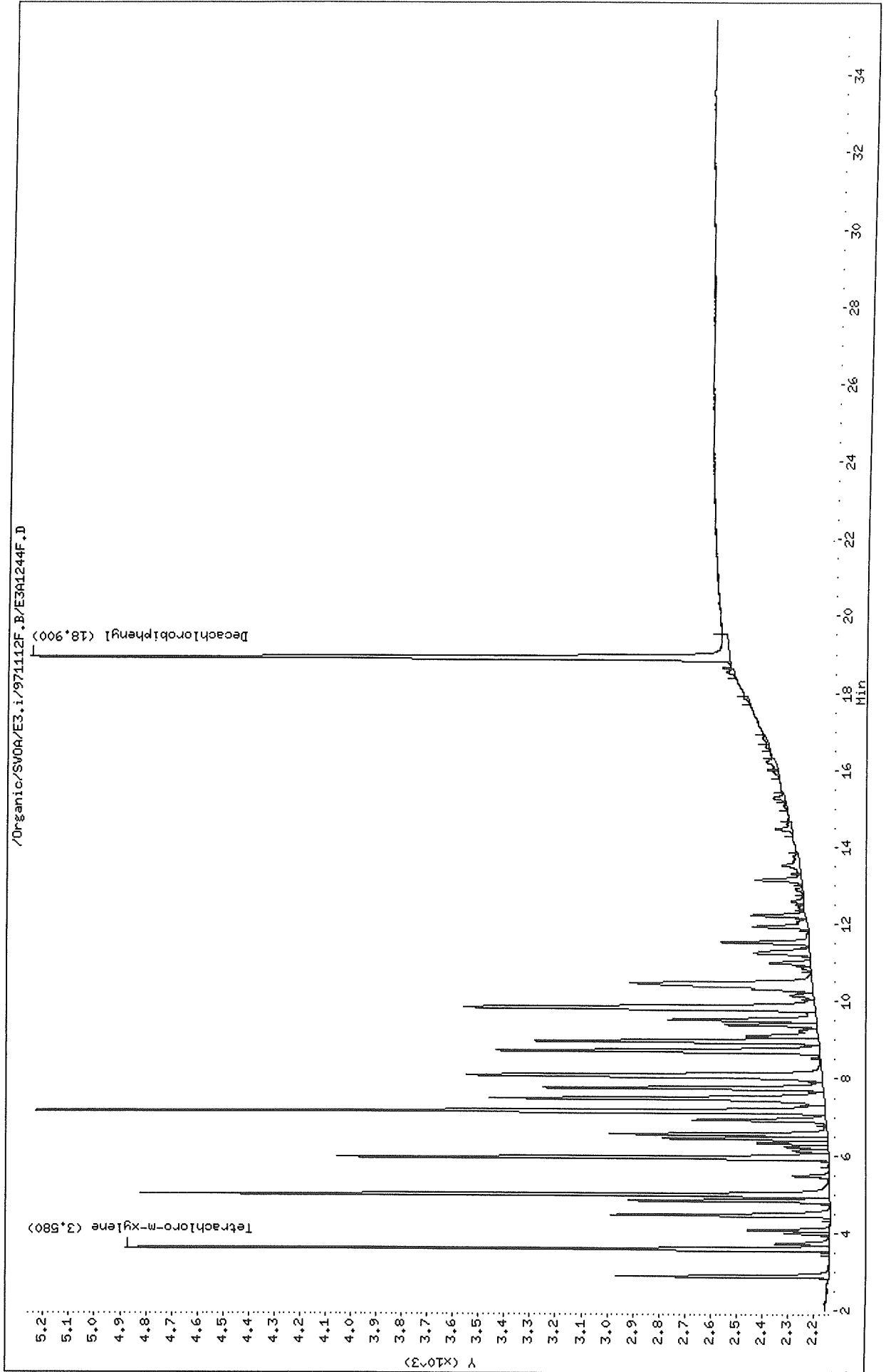
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

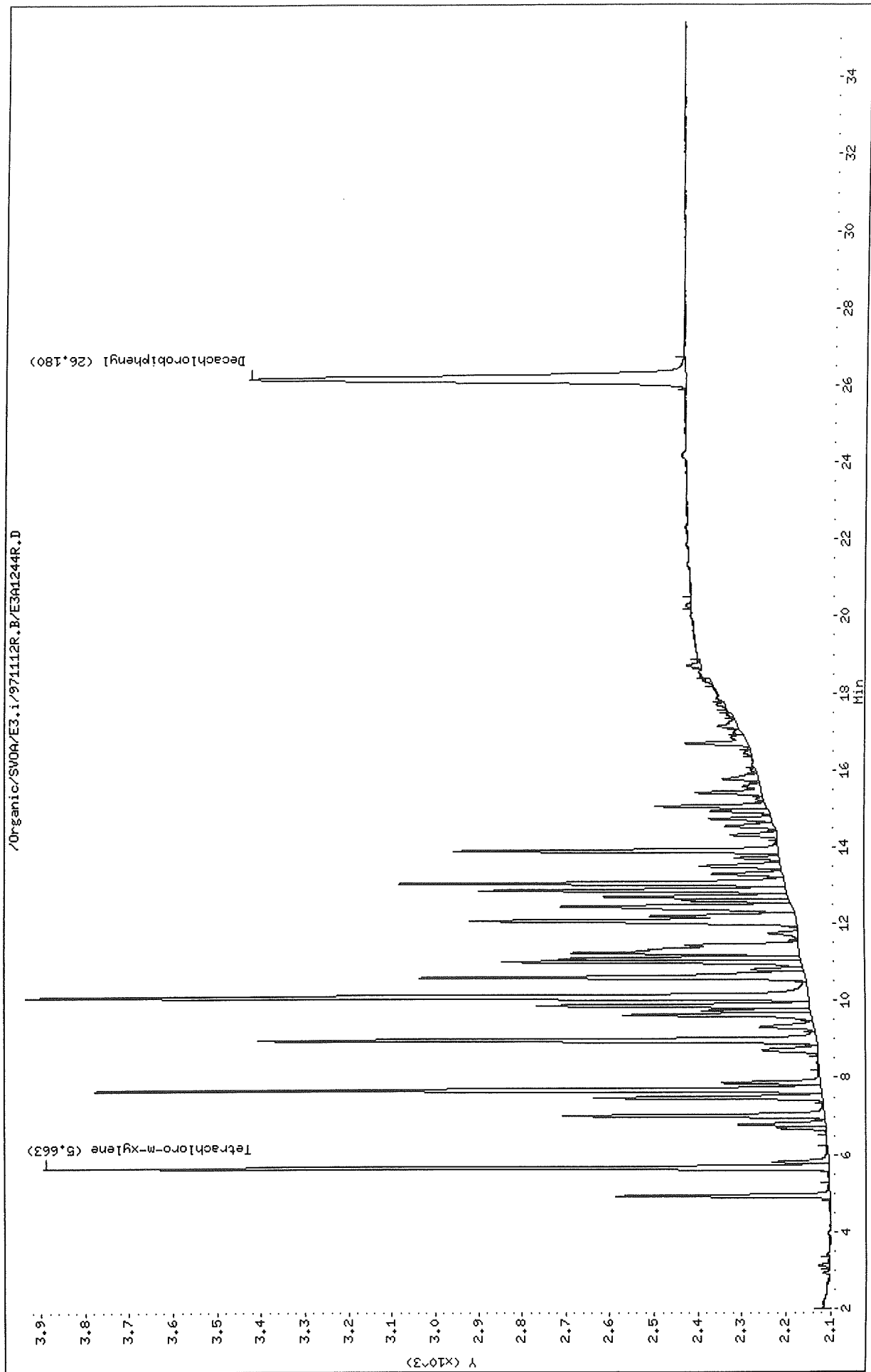
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1244R.D
Date: 13-NOV-1997 00:03
Client ID: ar1232H2
Sample Info: ar1232H2,ar1232H2,,ar1232.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1244F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1244R.D
 Inj Date : 13-NOV-1997 00:03
 Sample Info: ar1232H2,ar1232H2,,ar1232.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.663	2744	1790	0.0235	0.0243		100.00 (a)
Aroclor-1232	4.983	7.677	2682	1660	1.03	1.03	80.00- 120.00	100.00
	5.943	8.970	1914	1275	1.03	1.03	49.93- 89.93	71.36
	7.143	10.093	3073	1787	1.01	1.03	99.13- 139.13	114.58
Average of Peak Amounts =					1.02	1.03		
Decachlorobiphenyl	18.900	26.180	2731	998	0.0237	0.0243		100.00 (a)

QC Flag Legend

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

MJC
11/20/97

Data File: /Organic/SV004/E3.i/971112F.B/E3A1245F.D

Date : 13-NOV-1997 00:40

Client ID: ar1232H1

Sample Info: ar1232H1,ar1232H1,ar1232H1,,ar1232.sub

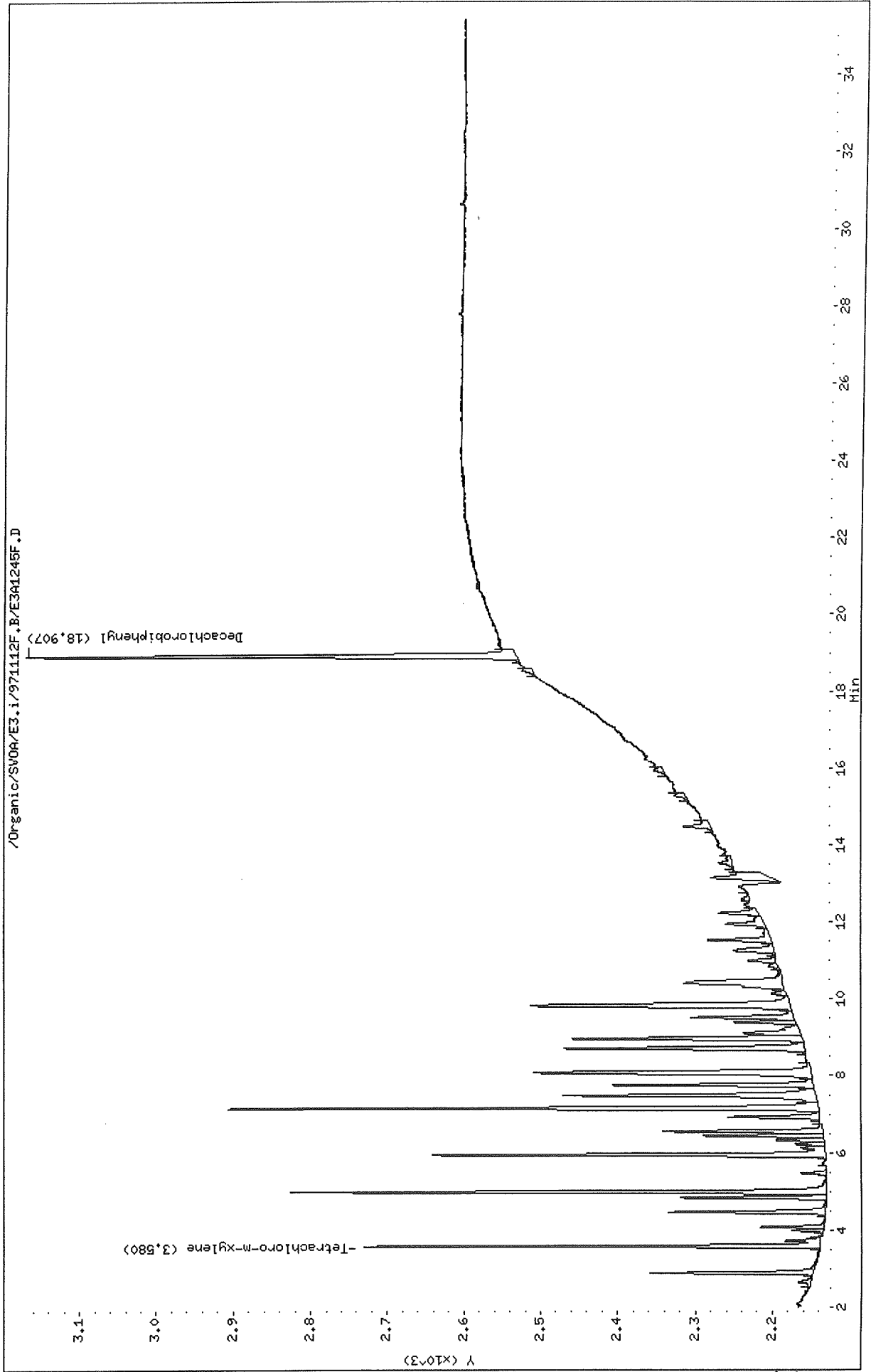
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

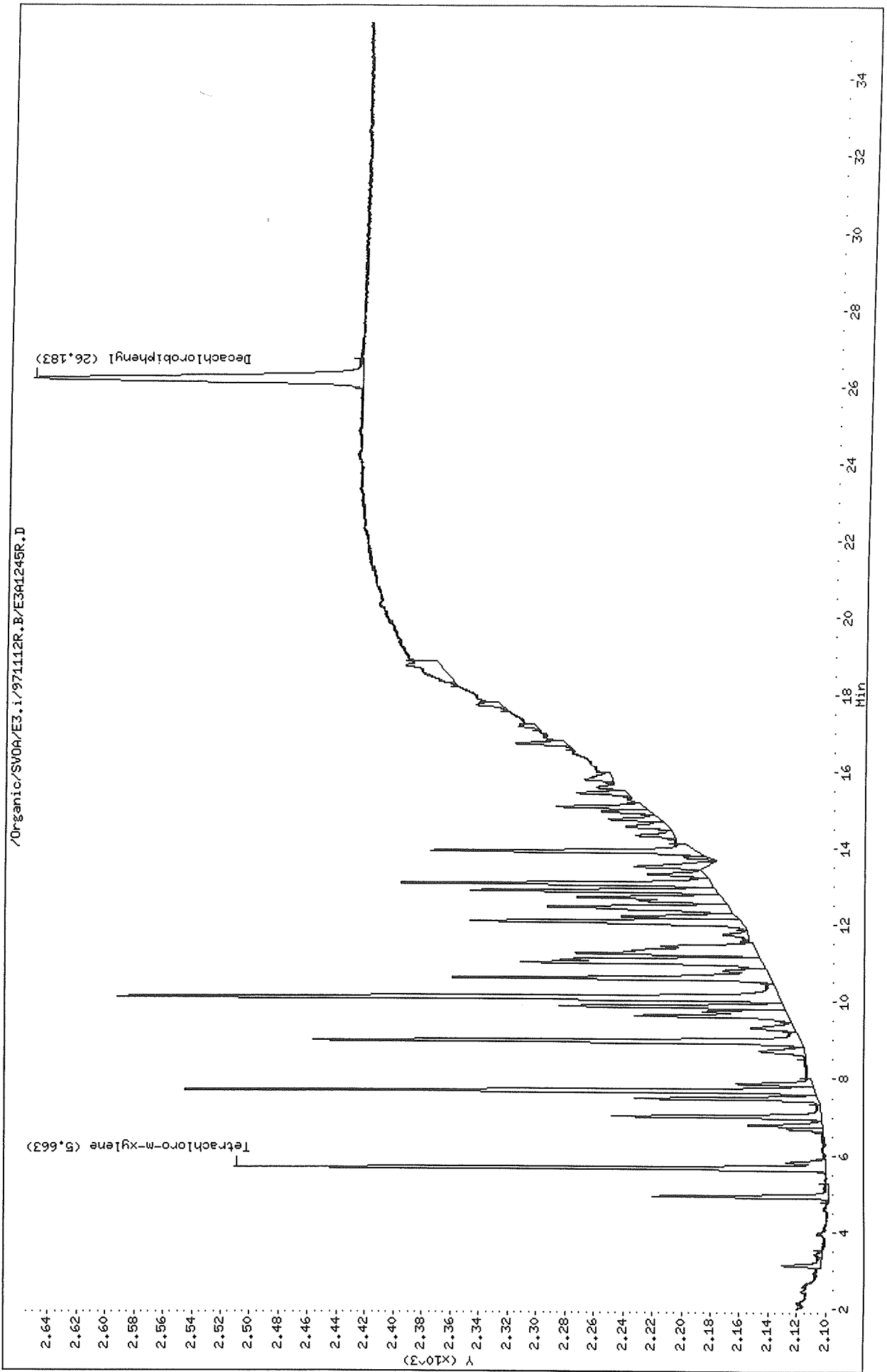
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/9741112R.B/E3041245R.D
Date : 13-NOV-1997 00:40
Client ID: ar1232H1
Sample Info: ar1232H1,ar1232H1,ar1232.sub
Volume Injected (ul): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1245F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1245R.D
 Inj Date : 13-NOV-1997 00:40
 Sample Info: ar1232H1,ar1232H1,,ar1232.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.663	592	411	0.00506	0.00558		100.00(a)
Aroclor-1232	4.983	7.680	697	439	0.252	0.254	80.00- 120.00	100.00(a)
	5.940	8.973	511	341	0.255	0.249	49.93- 89.93	73.31(a)
	7.143	10.097	768	461	0.244	0.251	99.13- 139.13	110.19(a)
Average of Peak Amounts =					0.250	0.251		
Decachlorobiphenyl	18.907	26.183	639	229	0.00554	0.00557		100.00(a)

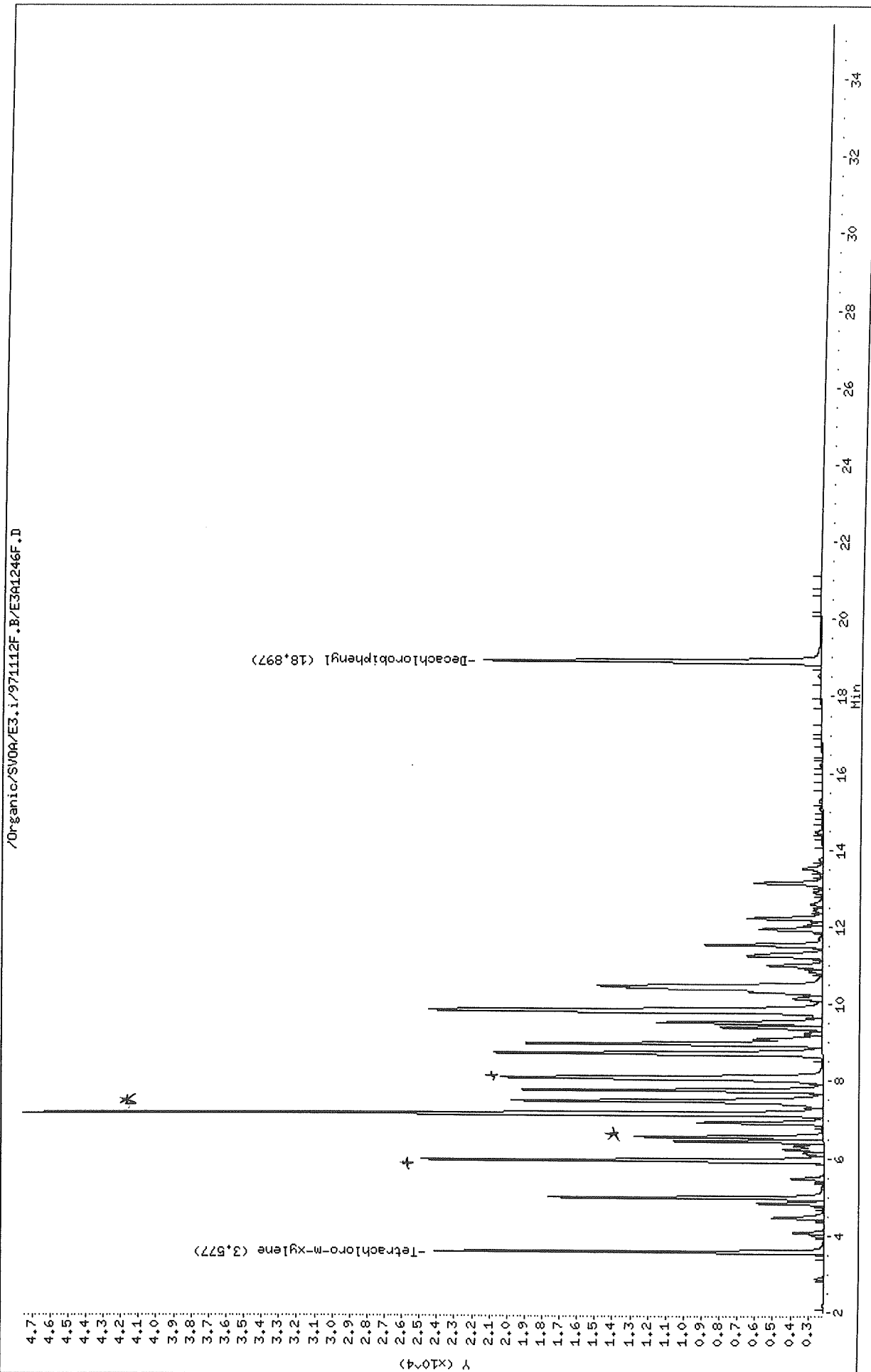
QC Flag Legend

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

MN
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1246F.D
Date : 13-NOV-1997 01:18
Client ID: ar1242H5
Sample Info: ar1242H5,ar1242H5,,ar1242.sub
Volume Injected (uL): 2.0
Column Phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1246R.D

Date: 13-NOV-1997 01:18

Client ID: ar1242H5

Sample Info: ar1242H5.ar1242H5,,ar1242.sub

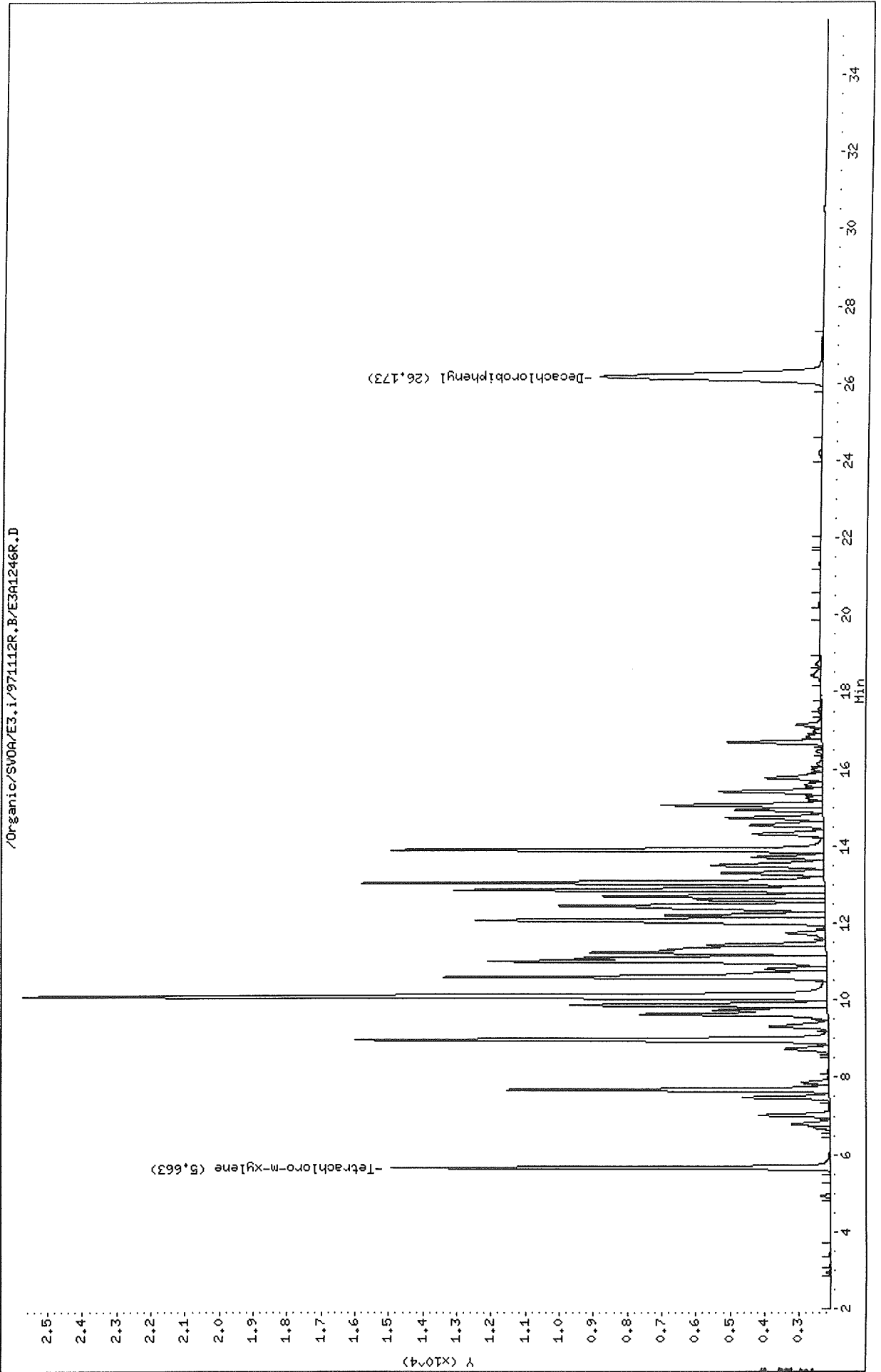
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1246F.D
 Report Date: 20-Nov-1997 10:20

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1246F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1246R.D
 Inj Date : 13-NOV-1997 01:18
 Sample Info: ar1242H5,ar1242H5,,ar1242.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:54
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.663	22013	12848	0.188	0.174		100.00
Aroclor-1242	5.937	8.967	22774	13853	10.1	10.1	80.00- 120.00	100.00 (A)
	7.140	10.090	45387	23589	10.0	10.0	160.44- 200.44	199.29 (A)
	8.080	10.593	18171	11209	10.1	10.0	59.68- 99.68	79.79 (A)
	Average of Peak Amounts =				10.1	10.0		
Decachlorobiphenyl	18.897	26.173	19074	6460	0.165	0.157		100.00 (A)

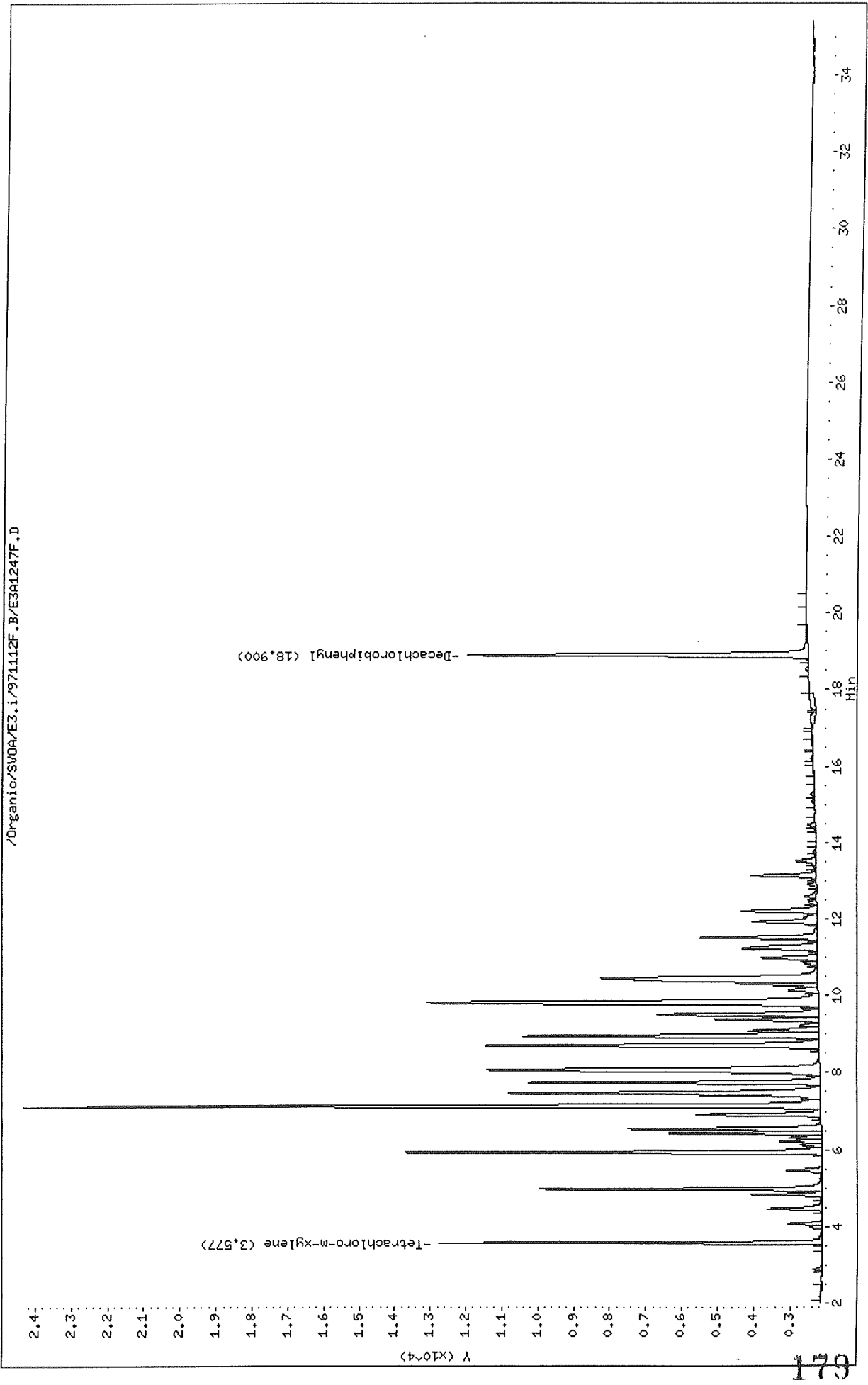
QC Flag Legend

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

MFL
 11/20/97

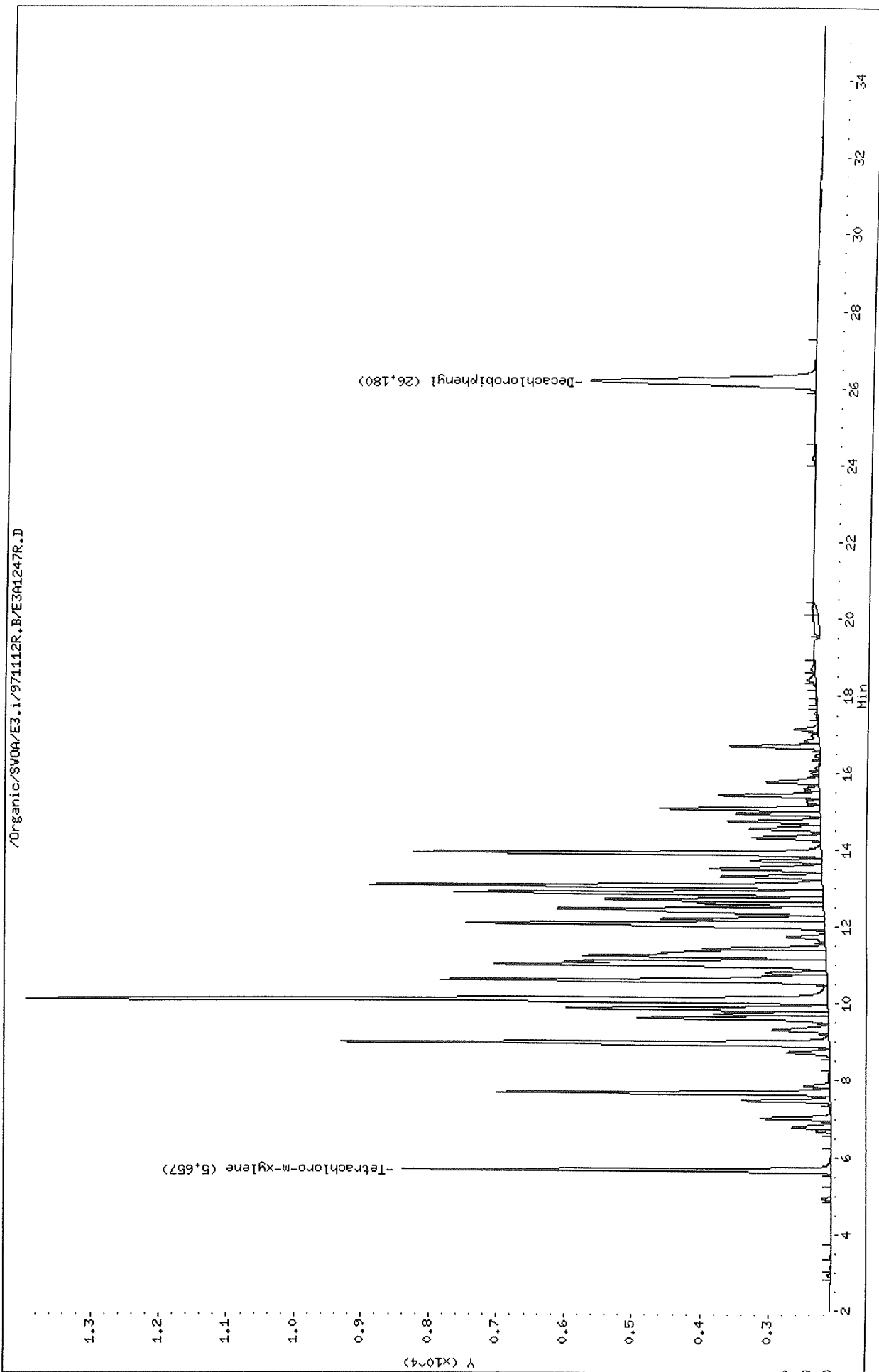
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1247F.D
Date: 13-NOV-1997 01:56
Client ID: ar1242H4
Sample Info: ar1242H4.ar1242H4.ar1242H4.ar1242.sub
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1247R.D
Date: 13-NOV-1997 04:56
Client ID: ar1242H4
Sample Info: ar1242H4,ar1242H4,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1247F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1247R.D
 Inj Date : 13-NOV-1997 01:56
 Sample Info: ar1242H4,ar1242H4,,ar1242.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.657	10626	6307	0.0909	0.0856		100.00 (a)
Aroclor-1242	5.933	8.963	11556	7192	4.65	4.63	80.00- 120.00	100.00
	7.133	10.087	22178	11817	4.72	4.70	160.44- 200.44	191.92
	8.073	10.587	9214	5686	4.64	4.69	59.68- 99.68	79.73
	Average of Peak Amounts =				4.67	4.67		
Decachlorobiphenyl	18.900	26.180	9447	3293	0.0819	0.0801		100.00

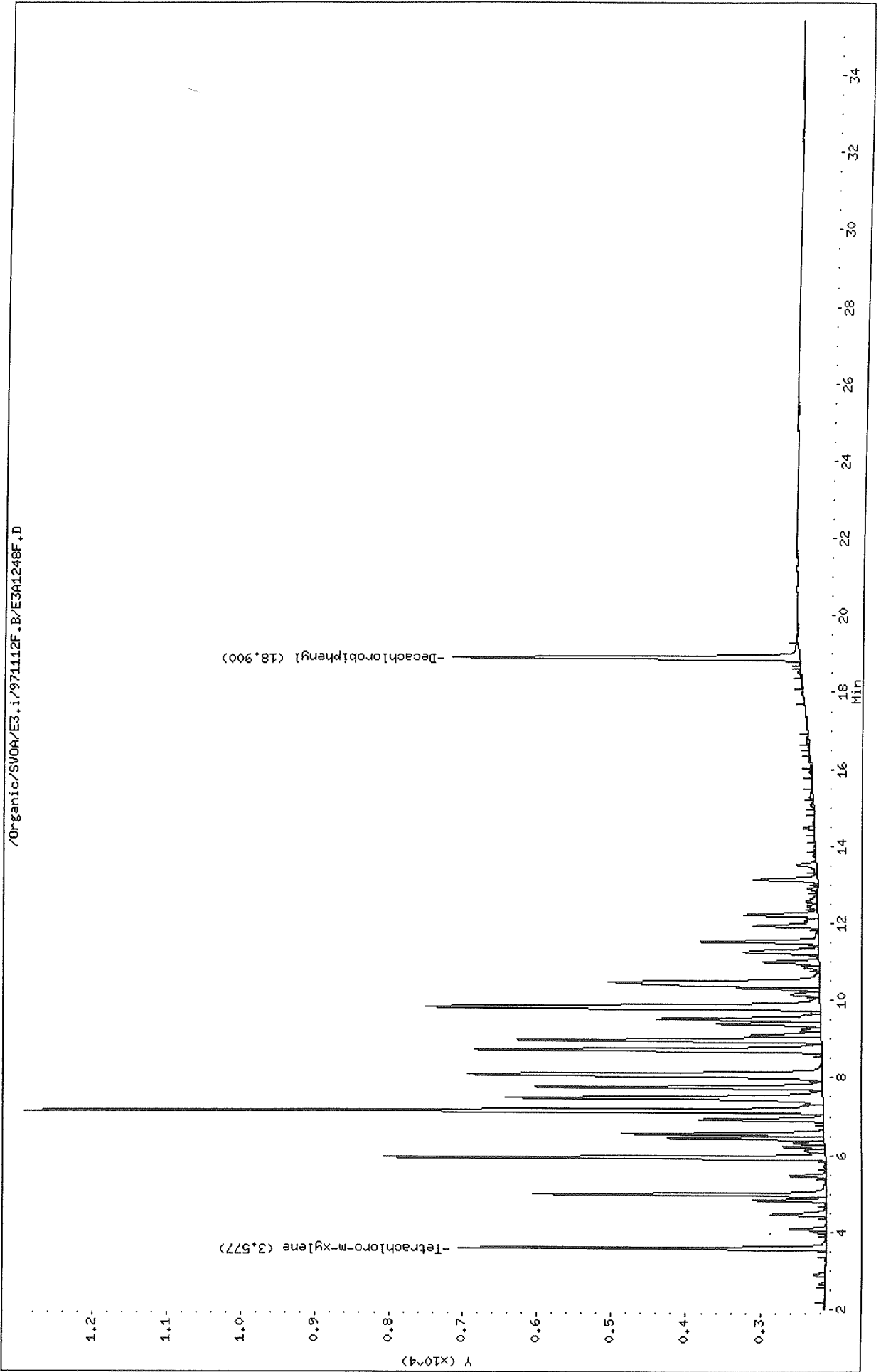
QC Flag Legend

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

MM
 11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1248F.D
Date : 13-NOV-1997 02:34
Client ID: ar1242H3
Sample Info: ar1242H3.ar1242H3.ar1242H3,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1248R.D

Date: 13-NOV-1997 02:34

Client ID: ar1242H3

Sample Info: ar1242H3.ar1242H3,,ar1242.sub

Volume Injected (ul): 2.0

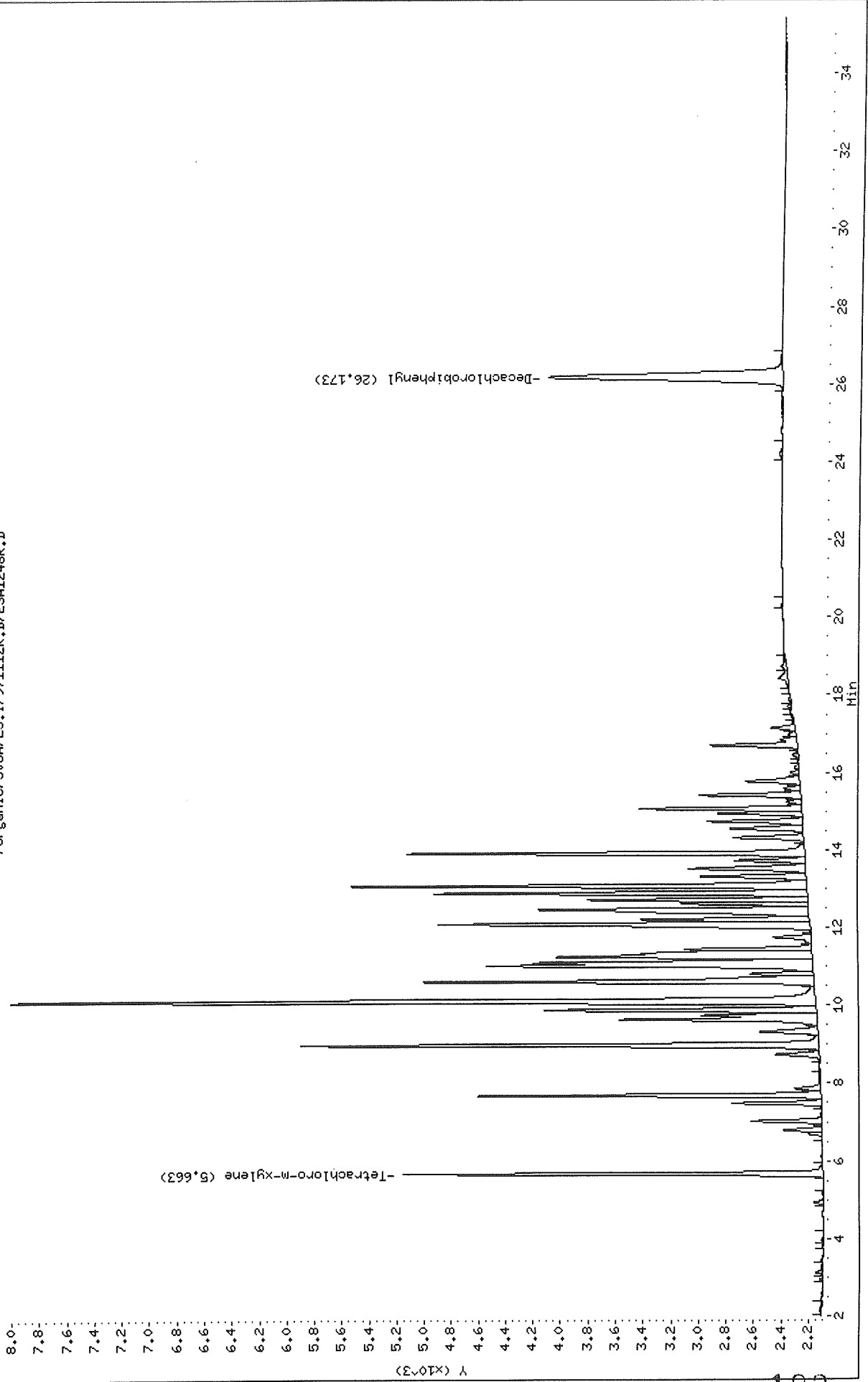
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971112R.B/E3A1248R.D



1003

Data File: \Organic\SVOA\E3.i\971112F.B\E3A1248F.D
 Report Date: 20-Nov-1997 10:20

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1248F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1248R.D
 Inj Date : 13-NOV-1997 02:34
 Sample Info: ar1242H3,ar1242H3,,ar1242.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.663	4918	3061	0.0420	0.0416		100.00 (a)
Aroclor-1242	5.937	8.970	5923	3768	2.27	2.27	80.00- 120.00	100.00
	7.140	10.093	10757	5861	2.25	2.24	160.44- 200.44	181.61
	8.080	10.597	4753	2839	2.27	2.24	59.68- 99.68	80.25
	Average of Peak Amounts =				2.26	2.25		
Decachlorobiphenyl	18.900	26.173	4655	1690	0.0404	0.0411		100.00 (a)

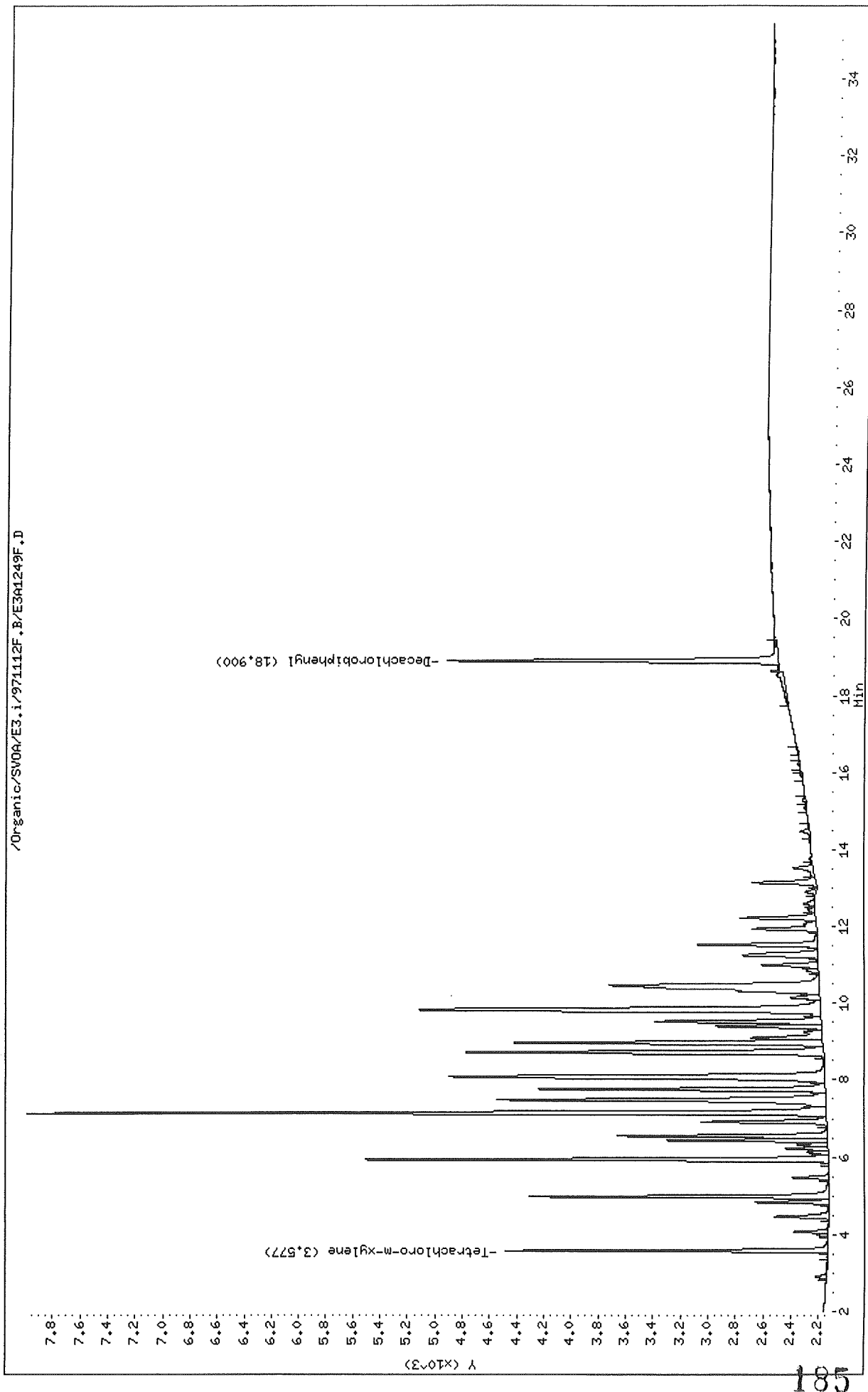
QC Flag Legend

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

11/20/97

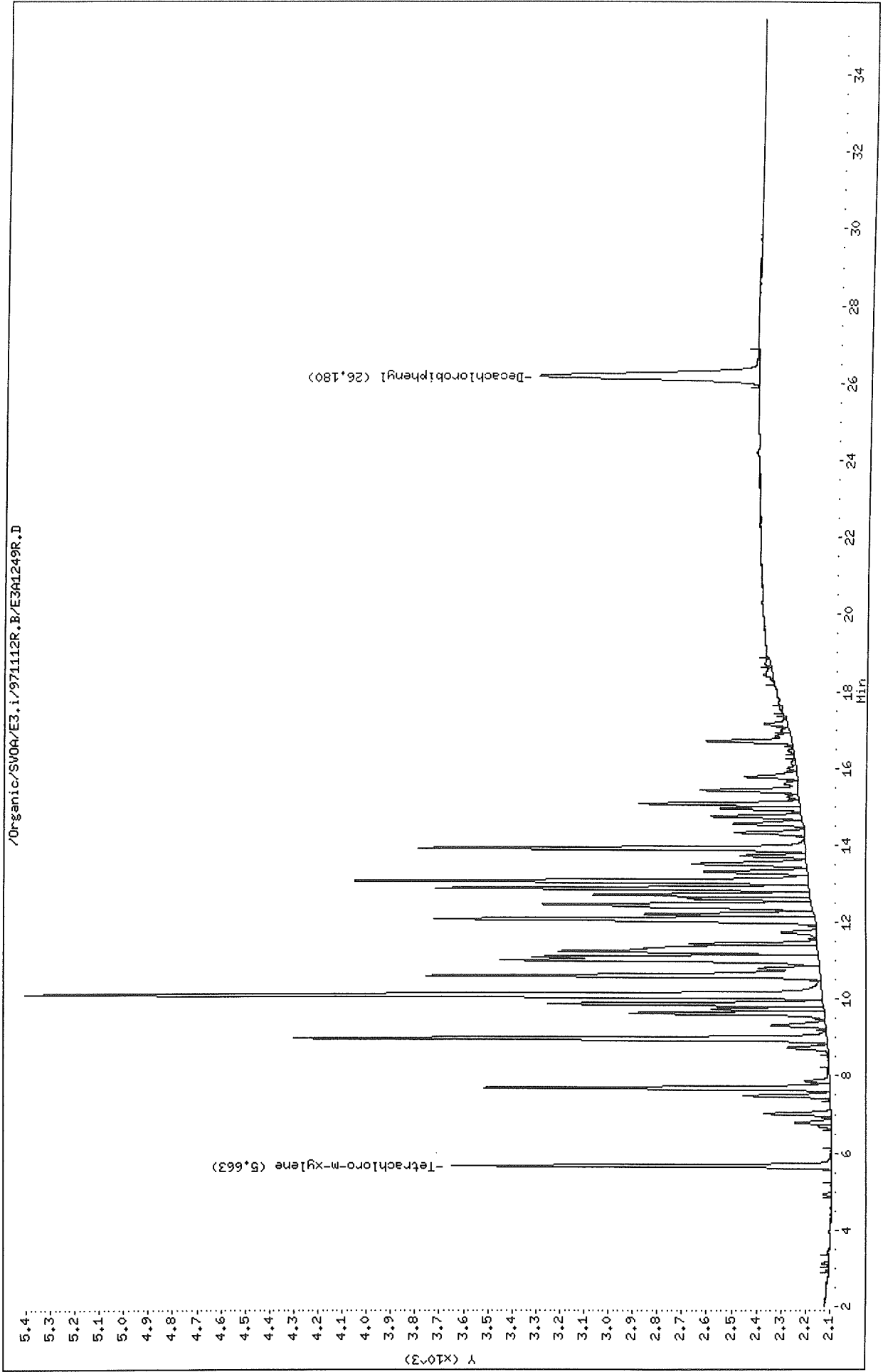
Data File: /Organic/SV04/E3.i/971112F.B/E3A1249F.D
Date : 13-NOV-1997 03:12
Client ID: ar1242H2
Sample Info: ar1242H2,ar1242H2,ar1242.sub
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1249R.D
Date : 13-NOV-1997 03:12
Client ID: ar1242H2
Sample Info: ar1242H2,ar1242H2,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1249F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1249R.D
 Inj Date : 13-NOV-1997 03:12
 Sample Info: ar1242H2,ar1242H2,,ar1242.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.663	2346	1551	0.0201	0.0210		100.00(a)
Aroclor-1242	5.937	8.967	3384	2192	1.26	1.28	80.00- 120.00	100.00
	7.137	10.090	5847	3274	1.21	1.23	160.44- 200.44	172.78
	8.077	10.593	2743	1614	1.28	1.25	59.68- 99.68	81.06
	Average of Peak Amounts =				1.25	1.25		
Decachlorobiphenyl	18.900	26.180	2426	898	0.0210	0.0218		100.00(a)

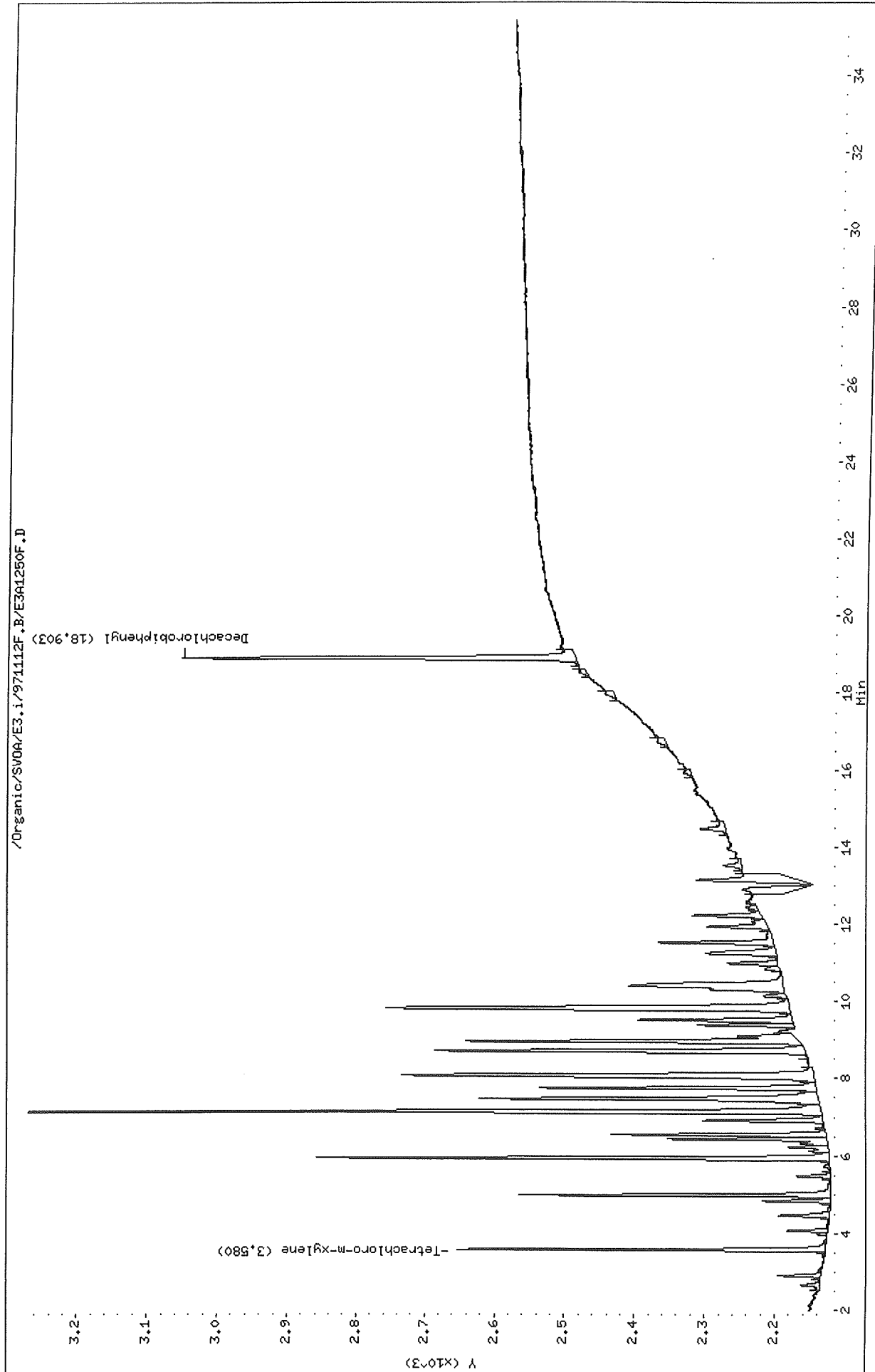
QC Flag Legend

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

MJR
 11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1250F.D
Date : 13-NOV-1997 03:50
Client ID: ar1242H1
Sample Info: ar1242H1,ar1242H1,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1250R.D

Date: 13-NOV-1997 03:50

Client ID: ar1242H1

Sample Info: ar1242H1.ar1242H1,,ar1242.sub

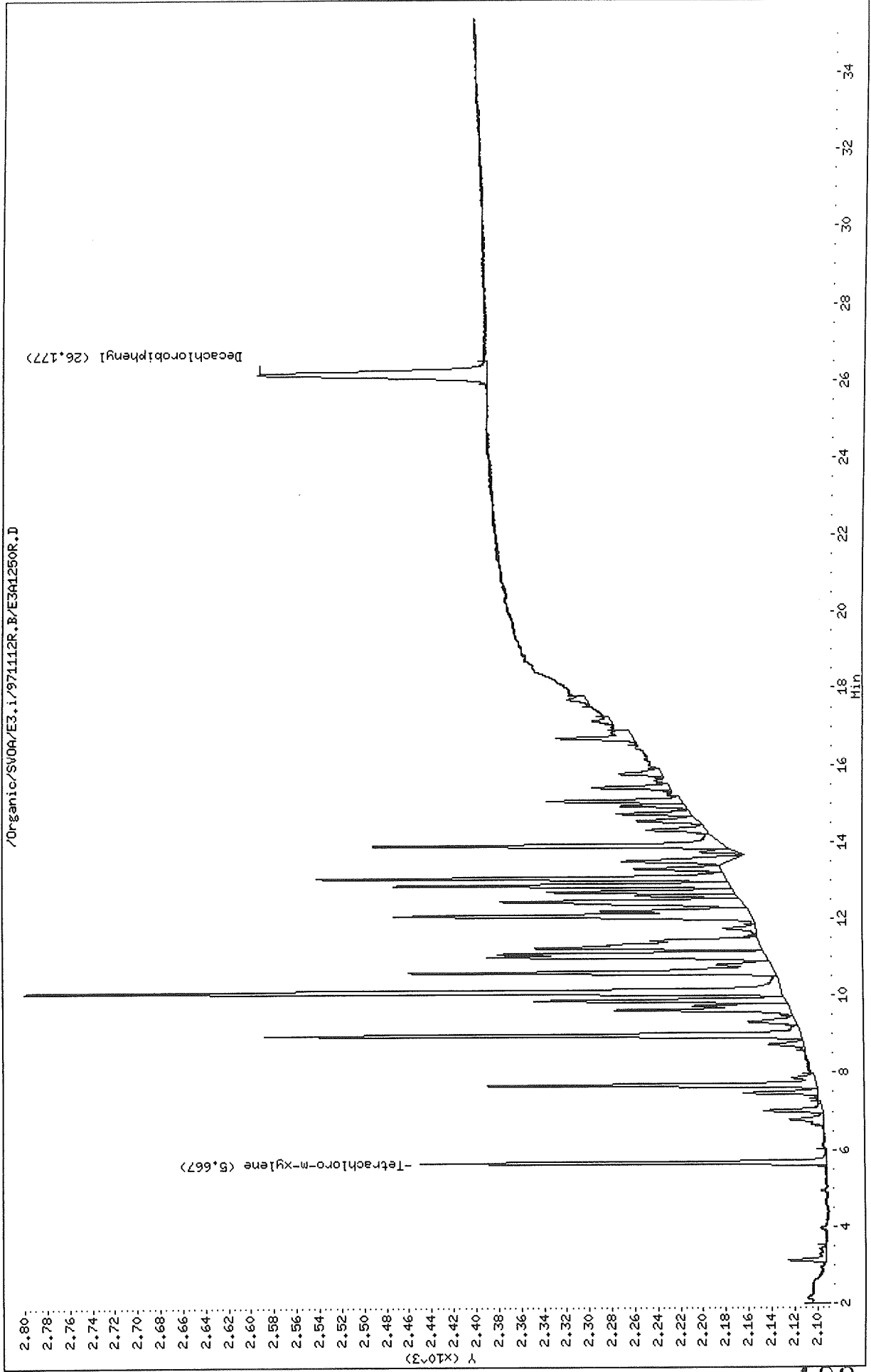
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1250F.D
 Report Date: 20-Nov-1997 10:20

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1250F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1250R.D
 Inj Date : 13-NOV-1997 03:50
 Sample Info: ar1242H1,ar1242H1,,ar1242.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.667	527	359	0.00451	0.00487		100.00(a)
Aroclor-1242	5.940	8.973	735	475	0.268	0.266	80.00- 120.00	100.00(a)
	7.143	10.097	1137	671	0.233	0.249	160.44- 200.44	154.69(a)
	8.080	10.600	591	325	0.268	0.246	59.68- 99.68	80.41(a)
	Average of Peak Amounts =				0.256	0.254		
Decachlorobiphenyl	18.903	26.177	566	204	0.00491	0.00496		100.00(a)

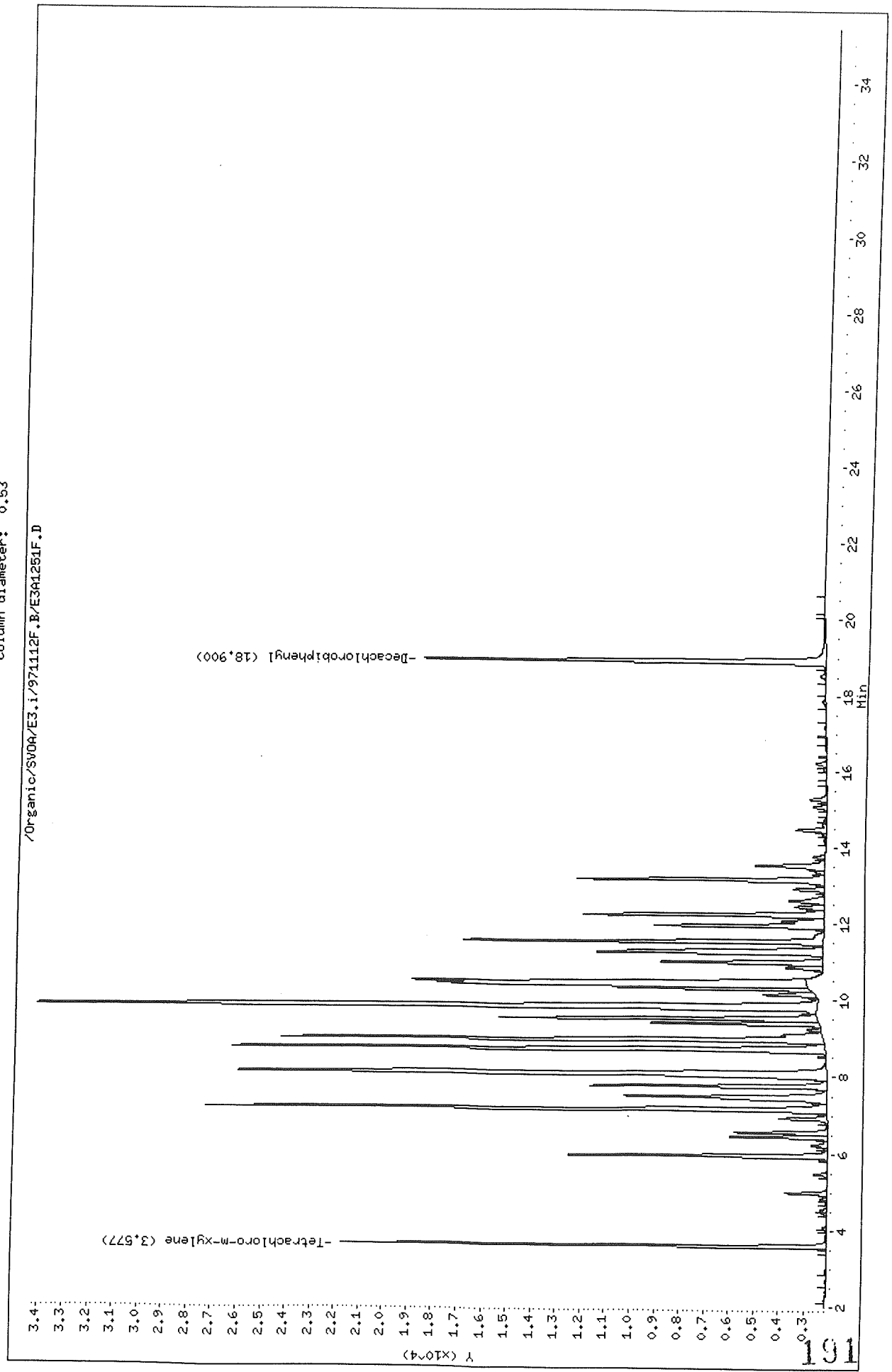
QC Flag Legend

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

MJR
 11/20/97

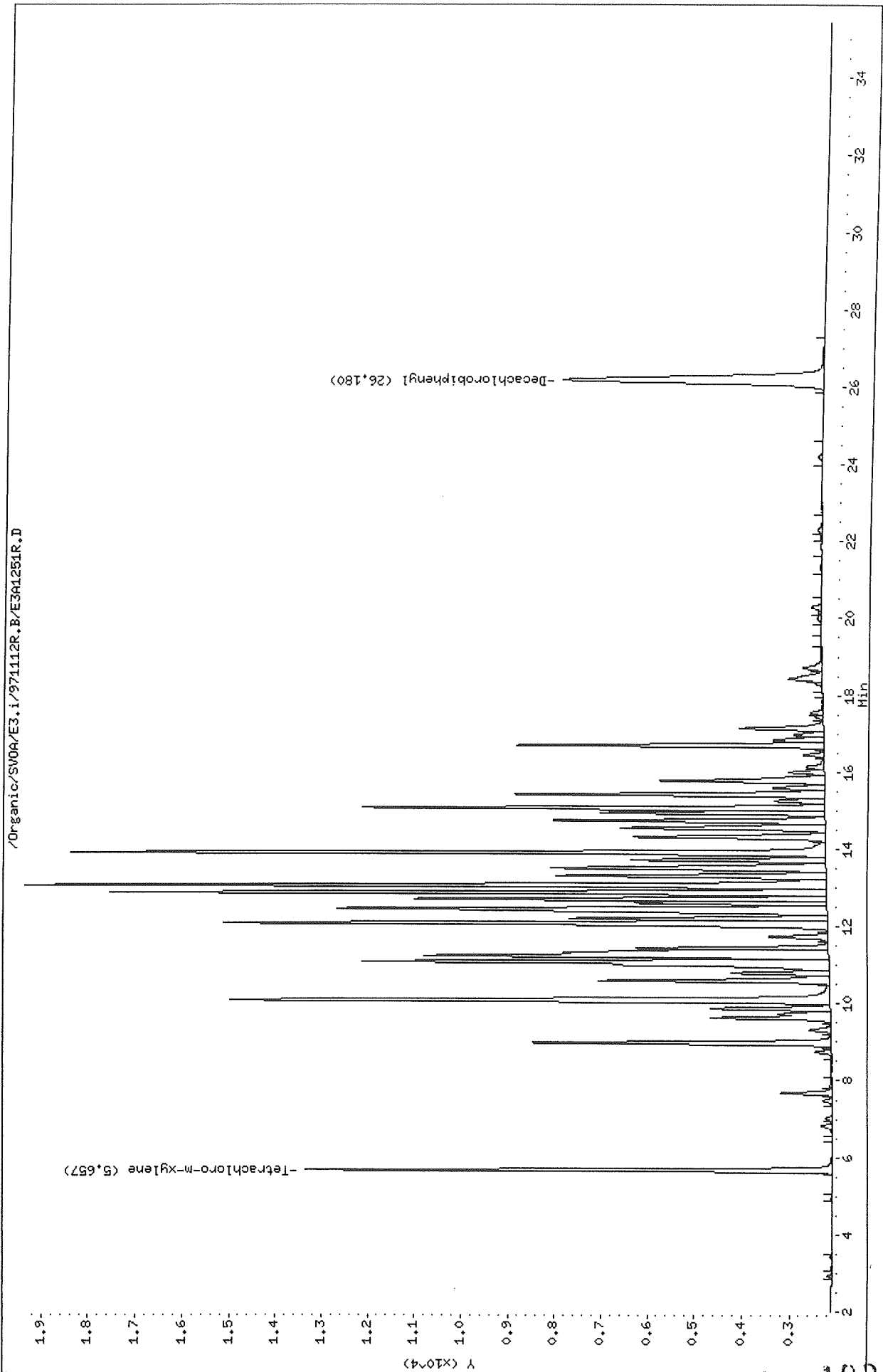
Data File: /Organic/SV0A/E3.1/971112F.B/E3A1251F.D
Date : 13-NOV-1997 04:28
Client ID: ar1248H5
Sample Info: ar1248H5,ar1248H5,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: Jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1251R.D
Date : 13-NOV-1997 04:28
Client ID: ar1248H5
Sample Info: ar1248H5,ar1248H5,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1251F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1251R.D
 Inj Date : 13-NOV-1997 04:28
 Sample Info: ar1248H5,ar1248H5,,ar1248.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.657	19581	11248	0.167	0.153		100.00 (A)
Aroclor-1248	8.707	12.443	24075	10473	9.95	9.94	80.00- 120.00	100.00
	8.953	12.860	21963	15345	9.93	9.95	69.38- 109.38	91.23
	9.810	13.047	31604	17160	9.93	9.93	104.25- 144.25	131.27
	Average of Peak Amounts =				9.94	9.94		
Decachlorobiphenyl	18.900	26.180	16305	5542	0.141	0.135		100.00

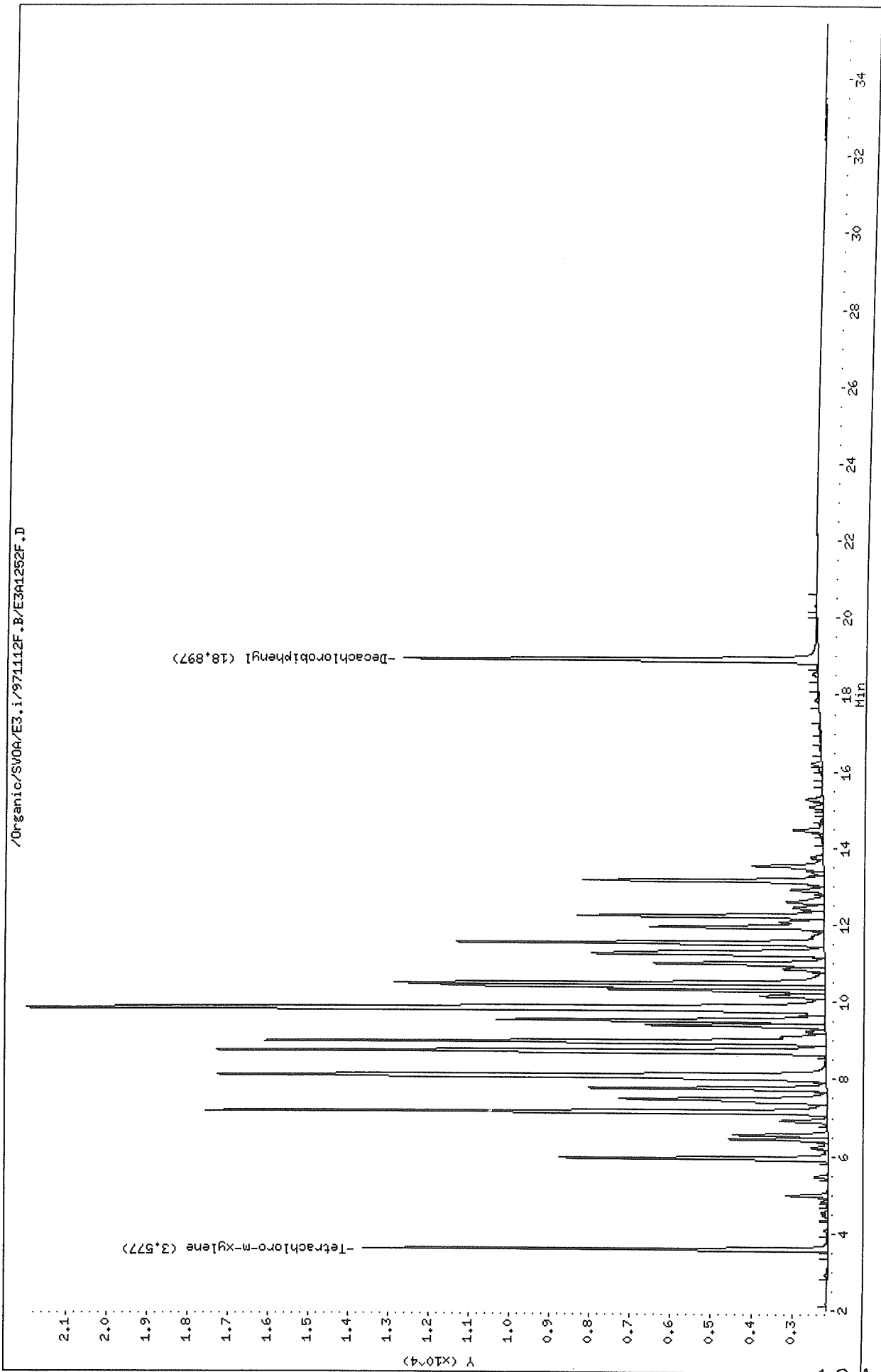
QC Flag Legend

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

MZ
11/20/97

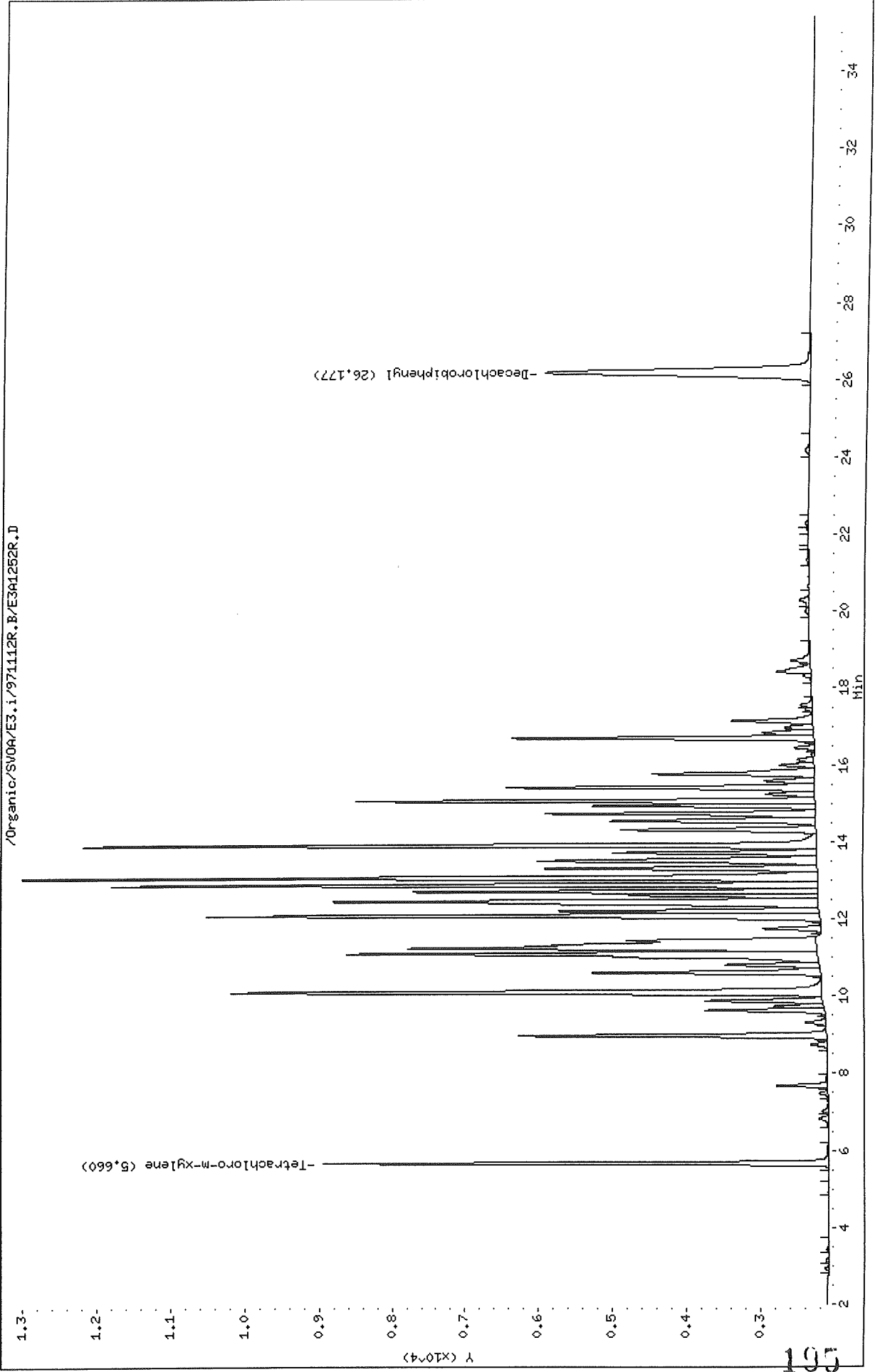
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1252F.D
Date : 13-NOV-1997 05:06
Client ID: ar1248H4
Sample Info: ar1248H4,ar1248H4,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.i/971112R.B/E3A1252R.D
Date: 13-NOV-1997 05:06
Client ID: ar1248H4
Sample Info: ar1248H4,ar1248H4,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1252F.D
 Report Date: 20-Nov-1997 10:20

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1252F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1252R.D
 Inj Date : 13-NOV-1997 05:06
 Sample Info: ar1248H4,ar1248H4,,ar1248.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.660	11507	6850	0.0984	0.0930		100.00
Aroclor-1248	8.710	12.450	15086	6585	5.17	5.19	80.00- 120.00	100.00
	8.957	12.867	13884	9571	5.22	5.18	69.38- 109.38	92.03
	9.817	13.050	19773	10777	5.21	5.21	104.25- 144.25	131.07
	Average of Peak Amounts =				5.20	5.19		
Decachlorobiphenyl	18.897	26.177	10222	3563	0.0887	0.0867		100.00

MJR
11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1253F.D

Date: 13-NOV-1997 05:44

Client ID: ar1248H3

Sample Info: ar1248H3.ar1248H3,.ar1248.sub

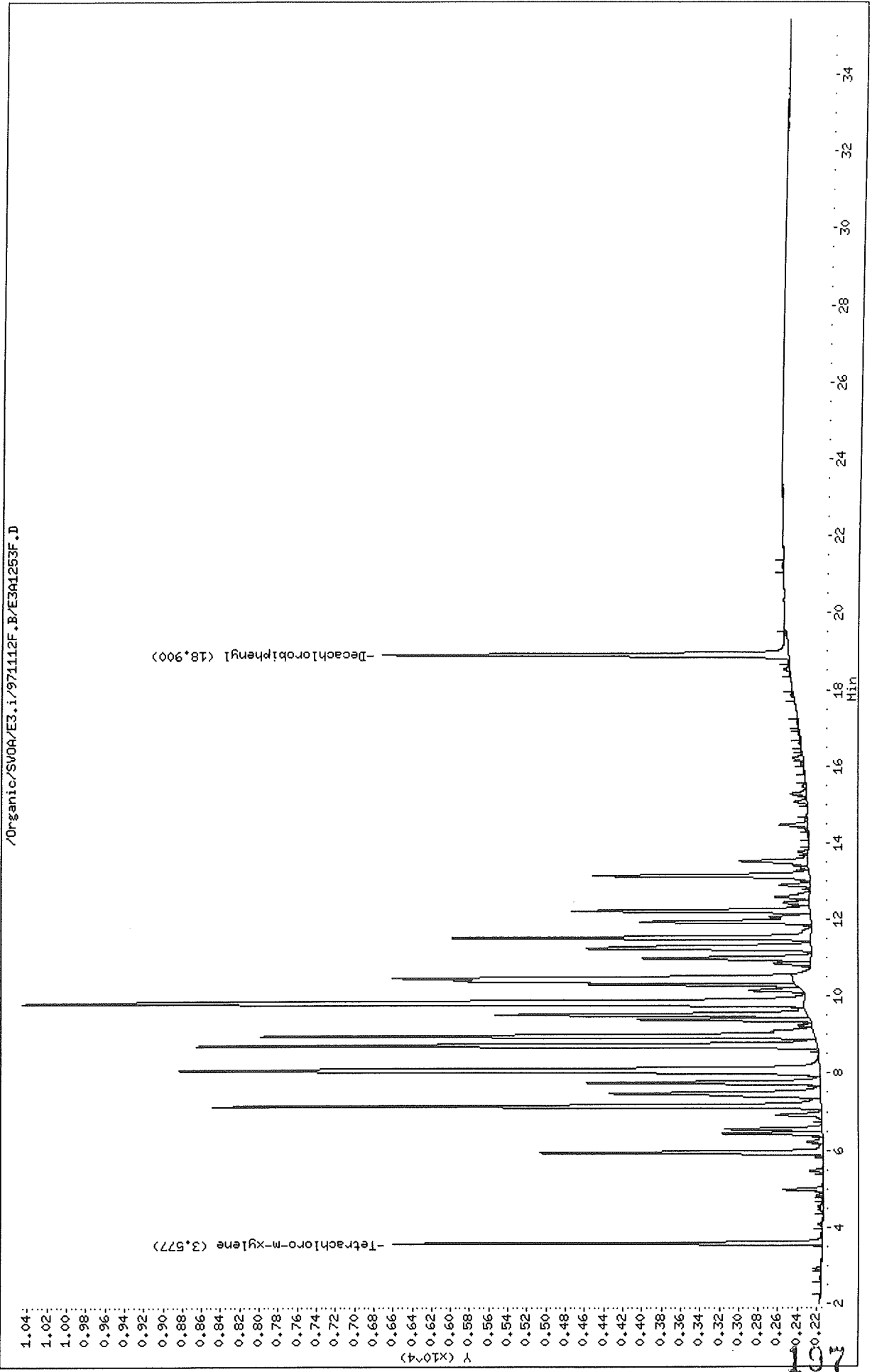
Volume Injected (µL): 2.0

Column phase: DB-1701

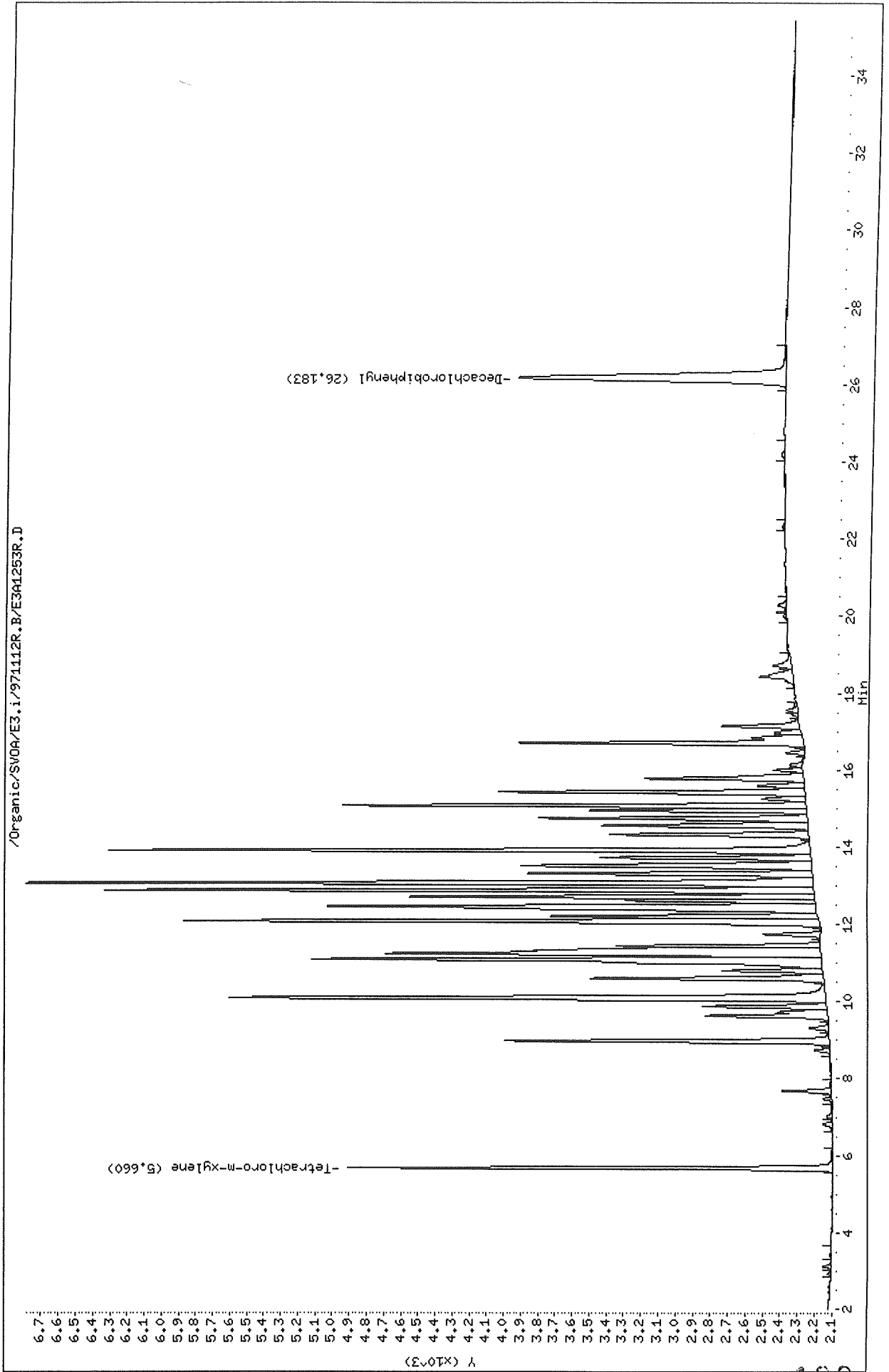
Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1253R.D
Date: 13-NOV-1997 05:44
Instrument: E3.i
Client ID: ar1248H3
Sample Info: ar1248H3.ar1248H3,.ar1248.sub
Volume Injected (uL): 2.0
Operator: jfs
Column diameter: 0.53
Column phase: DB-608



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1253F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1253R.D
 Inj Date : 13-NOV-1997 05:44
 Sample Info: ar1248H3,ar1248H3,,ar1248.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.660	4462	2813	0.0382	0.0382		100.00 (a)
Aroclor-1248	8.710	12.447	6472	2834	1.81	1.80	80.00- 120.00	100.00
	8.957	12.863	5778	4131	1.76	1.82	69.38- 109.38	89.28
	9.810	13.050	8143	4584	1.77	1.79	104.25- 144.25	125.82
	Average of Peak Amounts =				1.78	1.80		
Decachlorobiphenyl	18.900	26.183	4235	1539	0.0367	0.0374		100.00 (a)

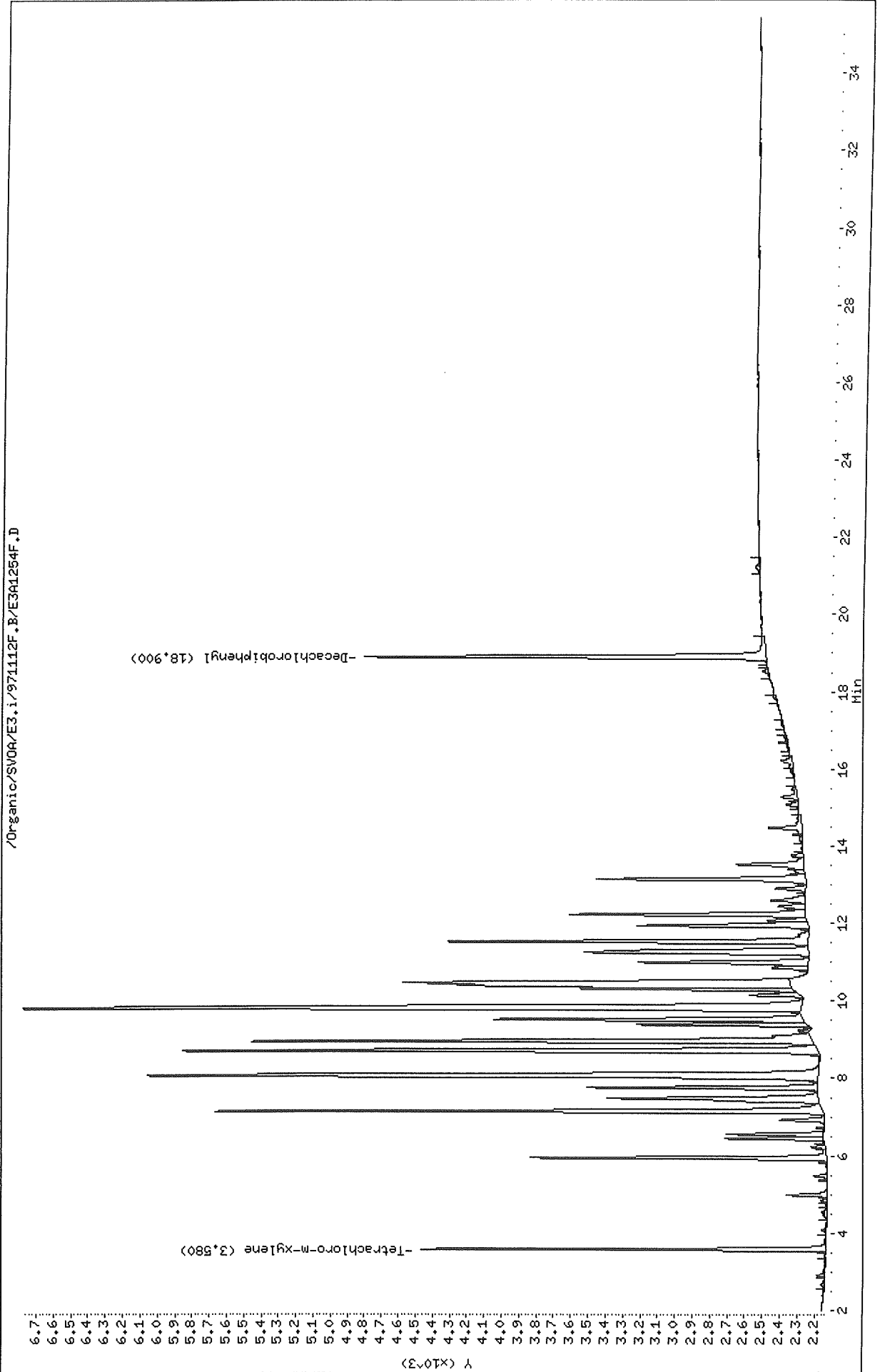
QC Flag Legend

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

MFL
11/20/97

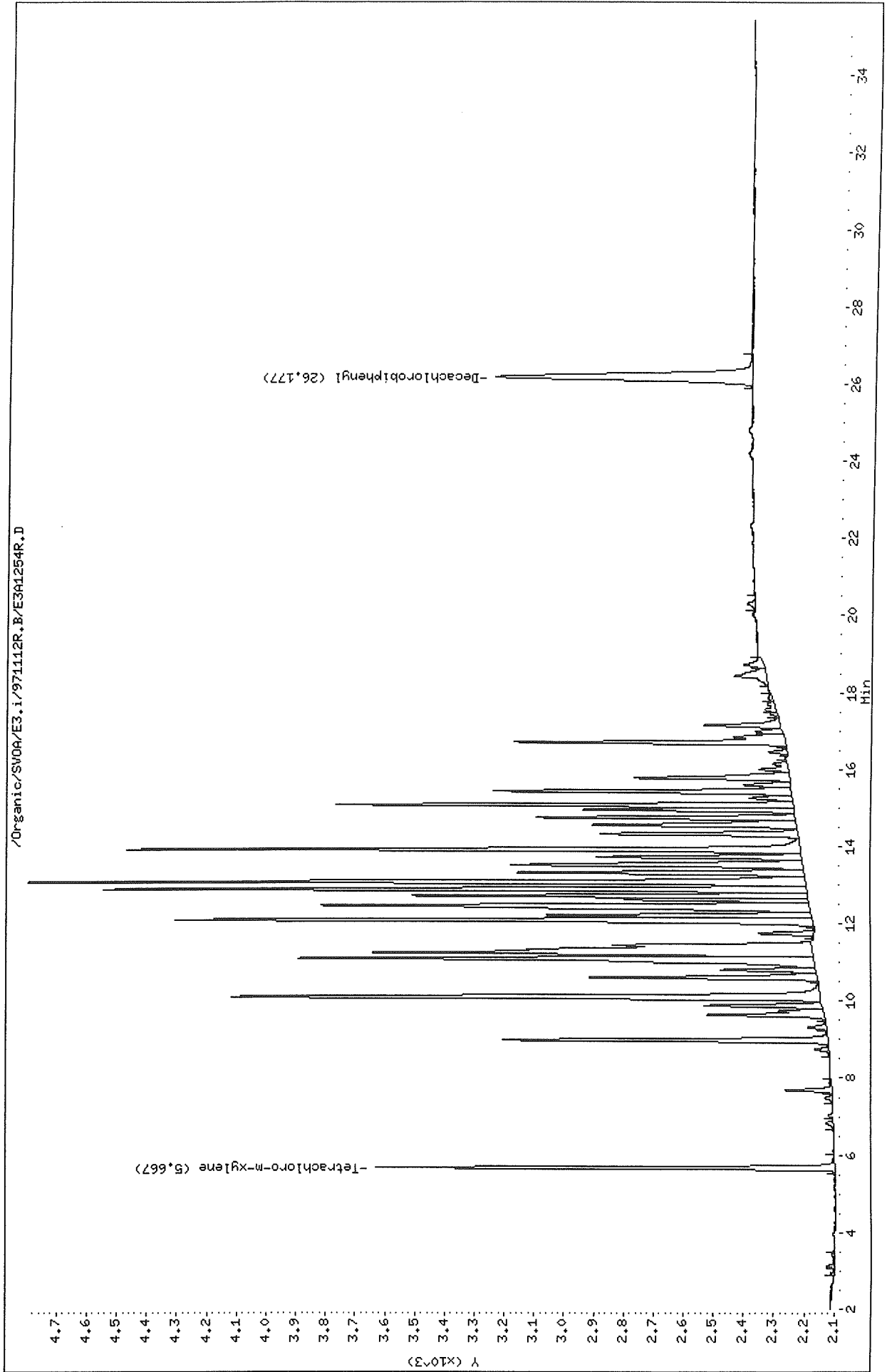
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1254F.D
Date : 13-NOV-1997 06:22
Client ID: ar1248H2
Sample Info: ar1248H2.ar1248H2,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV004/E3.i/971112R.B/E3A1254R.D
Date : 13-NOV-1997 06:22
Client ID: ar1248H2
Sample Info: ar1248H2,ar1248H2,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1254F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1254R.D
 Inj Date : 13-NOV-1997 06:22
 Sample Info: ar1248H2,ar1248H2,,ar1248.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.667	2336	1532	0.0200	0.0208		100.00(a)
Aroclor-1248	8.717	12.453	3674	1636	0.967	0.957	80.00- 120.00	100.00(a)
	8.960	12.870	3246	2361	0.943	0.960	69.38- 109.38	88.35(a)
	9.817	13.053	4500	2608	0.941	0.941	104.25- 144.25	122.48(a)
Average of Peak Amounts =					0.950	0.953		
Decachlorobiphenyl	18.900	26.177	2327	865	0.0202	0.0210		100.00(a)

QC Flag Legend

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

MJ
 11/20/97

Data File: /Organic/SV0A/E3.i/971112F.B/E391255F.D

Date: 13-NOV-1997 07:00

Client ID: ar1248H1

Sample Info: ar1248H1.ar1248H1,.ar1248.sub

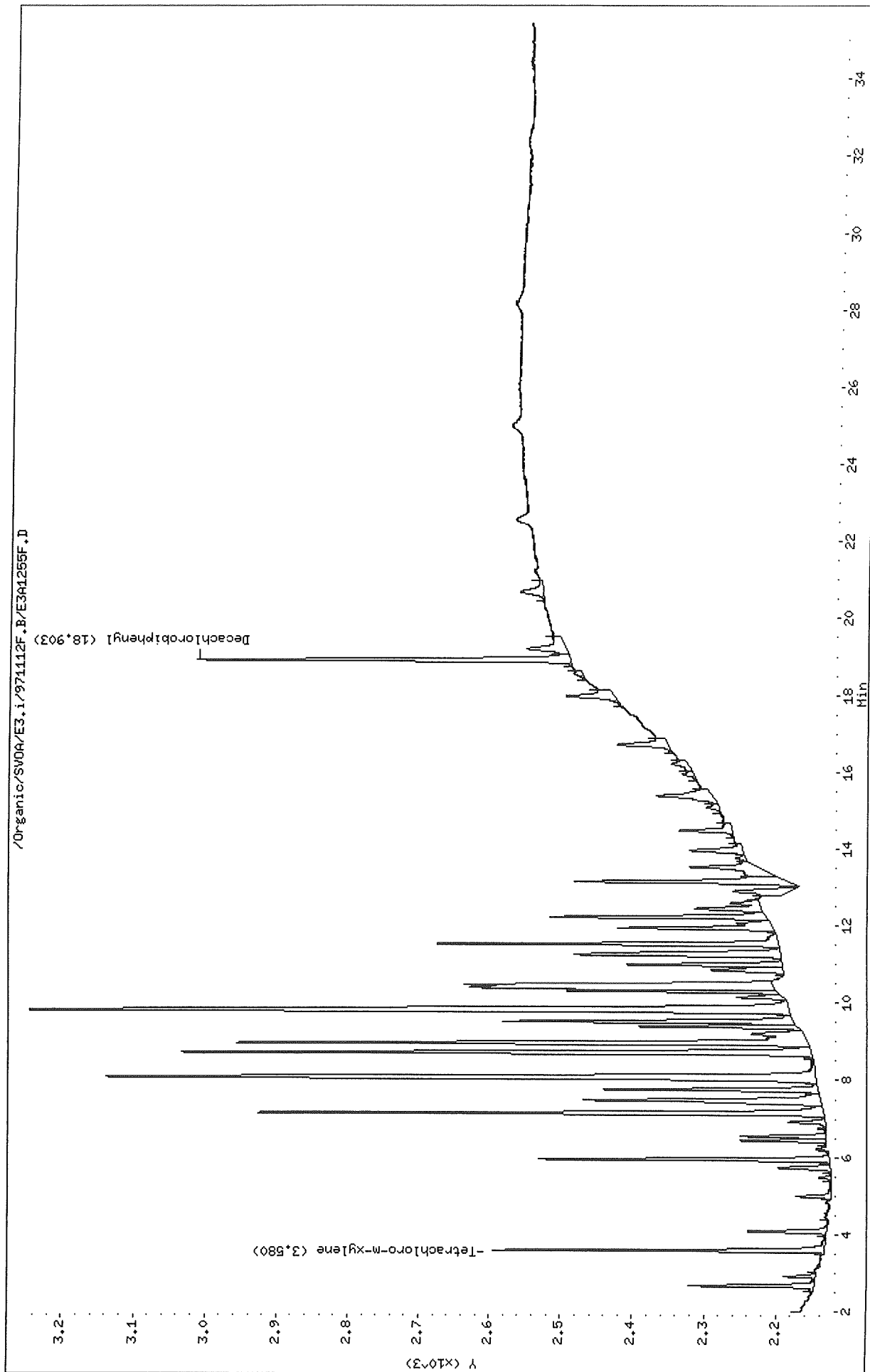
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1255R.D

Date: 13-NOV-1997 07:00

Client ID: ar1248H1

Sample Info: ar1248H1,,ar1248H1,,ar1248.sub

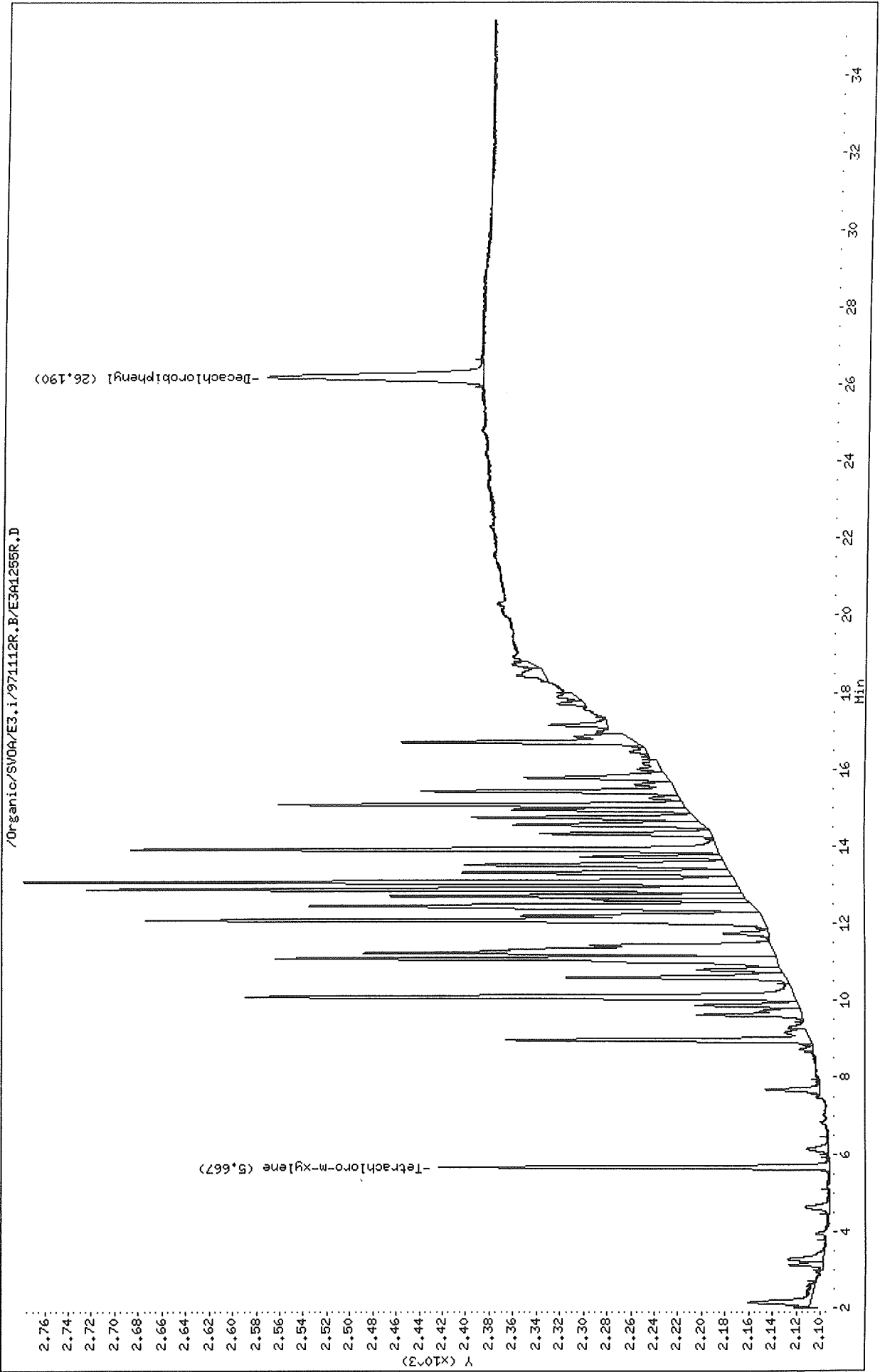
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1255F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1255R.D
 Inj Date : 13-NOV-1997 07:00
 Sample Info: ar1248H1,ar1248H1,,ar1248.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.580	5.667	461	331	0.00394	0.00449		100.00(a)
Aroclor-1248	8.713	12.450	882	380	0.253	0.203	80.00- 120.00	100.00(a)
	8.960	12.870	800	559	0.270	0.208	69.38- 109.38	90.70(a)
	9.817	13.057	1064	609	0.266	0.202	104.25- 144.25	120.63(a)
Average of Peak Amounts =					0.263	0.204		
Decachlorobiphenyl	18.903	26.190	526	186	0.00456	0.00452		100.00(a)

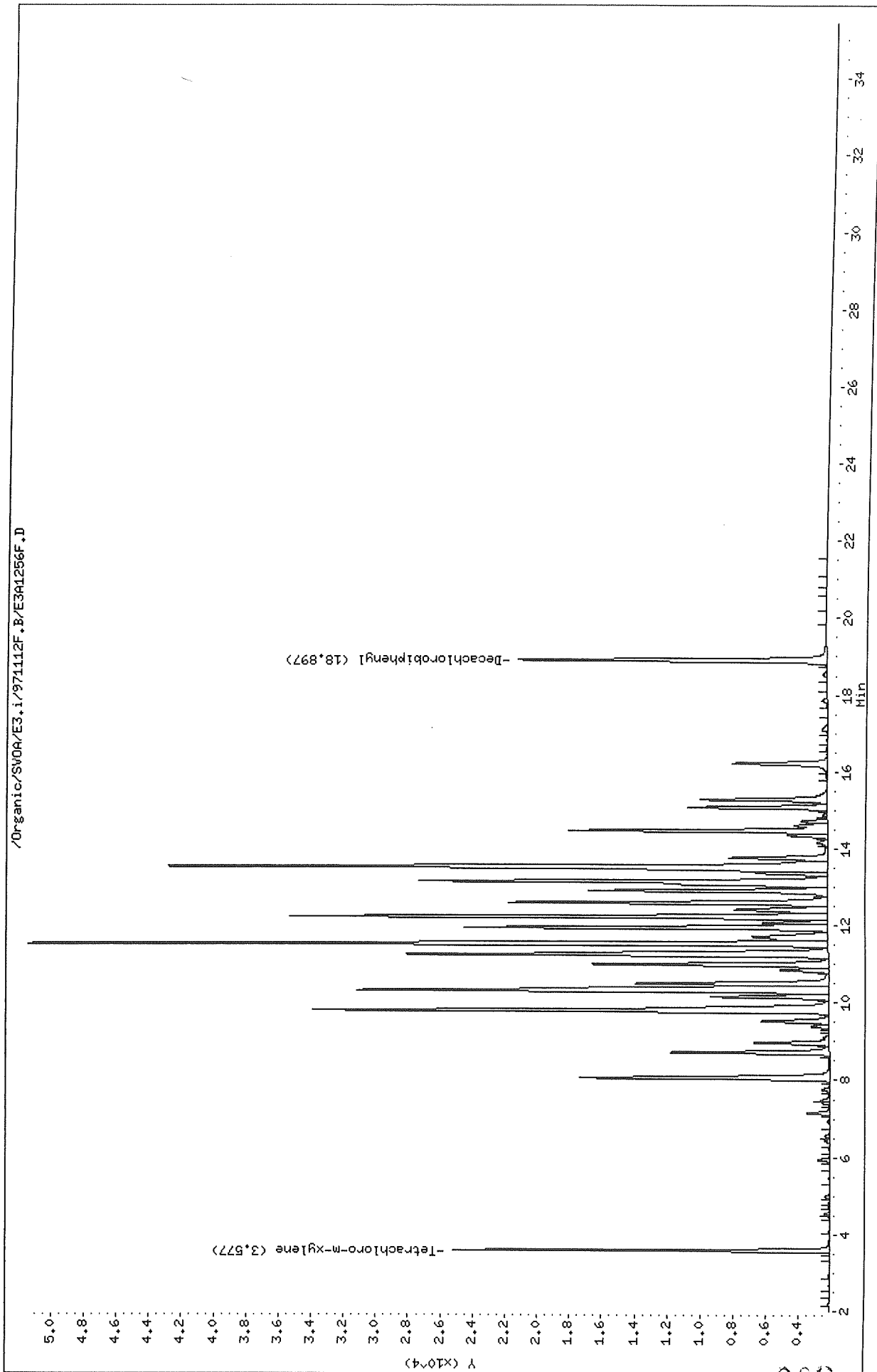
QC Flag Legend

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

m/r
11/20/97

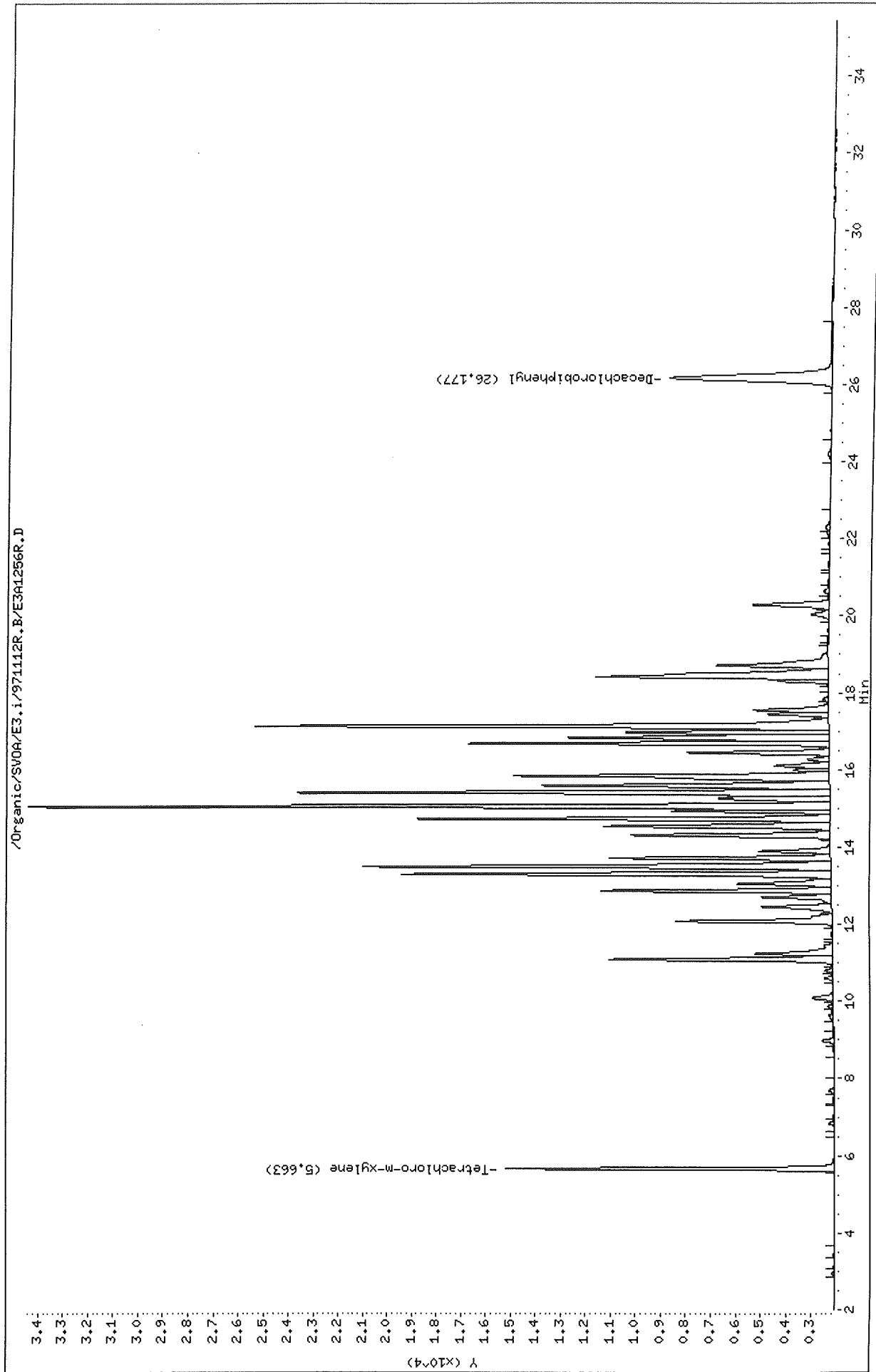
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1266F.D
Date : 13-NOV-1997 07:38
Client ID: ar1254H5
Sample Info: ar1254H5,ar1254H5,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1256R.D
Date : 13-NOV-1997 07:38
Client ID: ar1254H5
Sample Info: ar1254H5,ar1254H5,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1256F.D
 Report Date: 20-Nov-1997 10:21

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1256F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1256R.D
 Inj Date : 13-NOV-1997 07:38
 Sample Info: ar1254H5,ar1254H5,,ar1254.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.663	23065	13125	0.197	0.178		100.00 (A)
Decachlorobiphenyl	18.897	26.177	18889	6446	0.164	0.157		100.00 (A)
Aroclor-1254	11.240	14.730	25858	16517	9.98	9.99	80.00- 120.00	100.00
	11.523	15.057	49224	32161	9.98	9.99	176.97- 216.97	190.36
	12.217	15.407	33040	21335	9.98	9.99	107.14- 147.14	127.77
Average of Peak Amounts =					9.98	9.99		

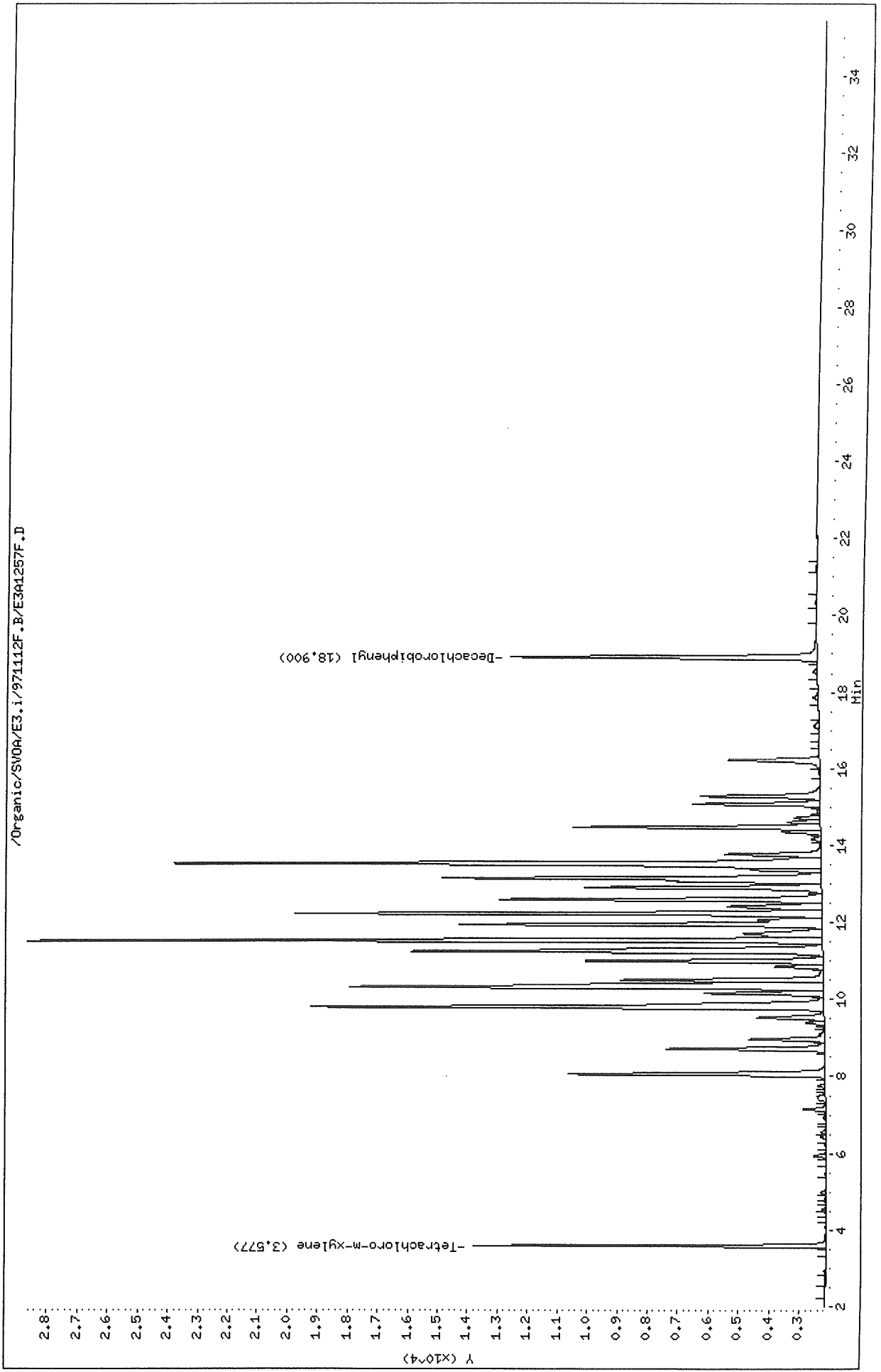
QC Flag Legend

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

MZ
 11/26/97

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1257F.D
Date : 13-NOV-1997 08:16
Client ID: ar1254H4
Sample Info: ar1254H4,ar1254H4,ar1254H4,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53

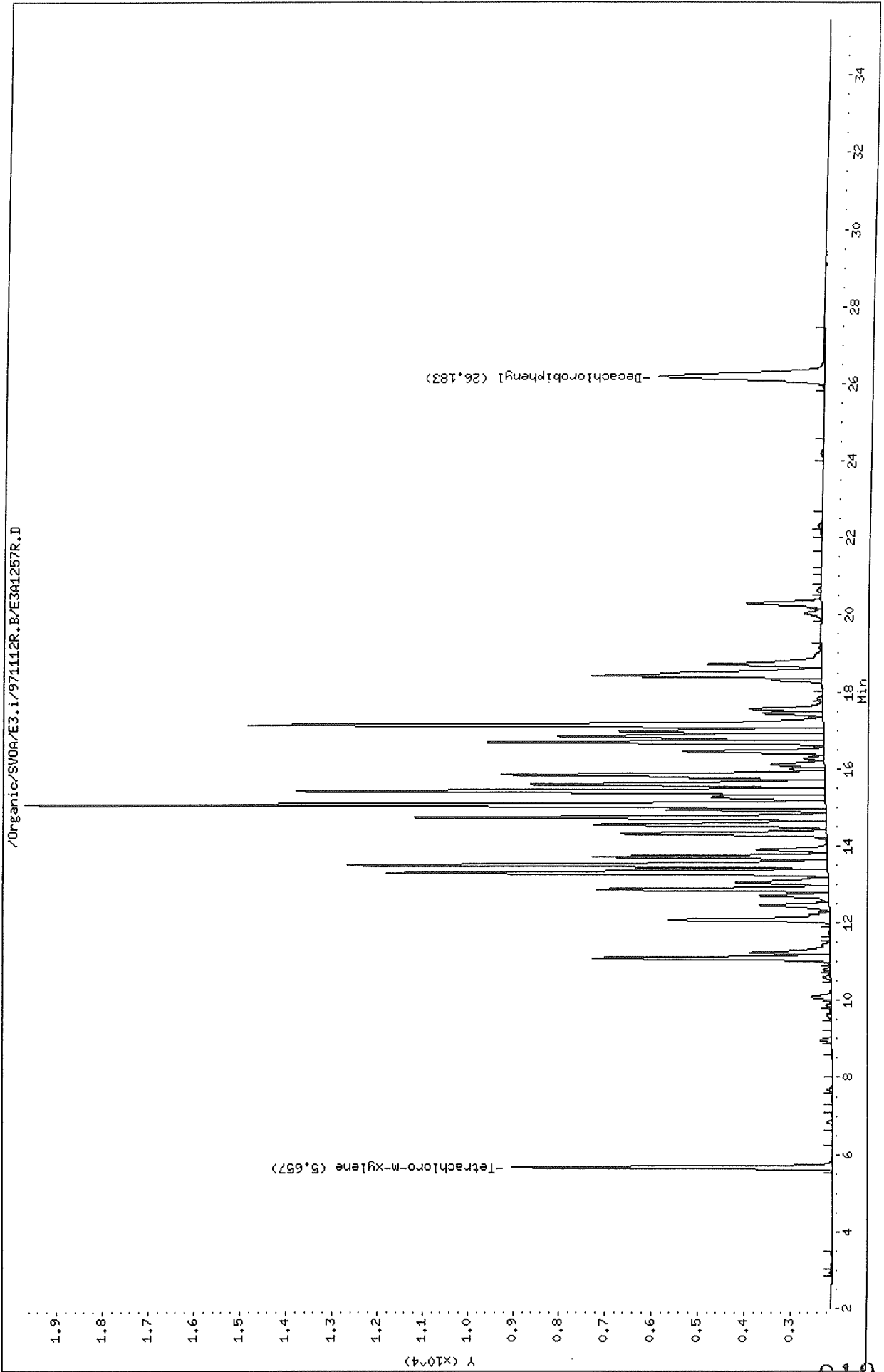


Data File: /Organic/SV0A/E3.i/971112R.B/E3A1257R.D
Date: 13-NOV-1997 08:16
Client ID: ar1254H4
Sample Info: ar1254H4,ar1254H4,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1257F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1257R.D
 Inj Date : 13-NOV-1997 08:16
 Sample Info: ar1254H4,ar1254H4,,ar1254.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.577	5.657	11668	6943	0.0998	0.0943		100.00
Decachlorobiphenyl	18.900	26.183	10153	3563	0.0881	0.0867		100.00
Aroclor-1254	11.237	14.730	13685	8942	5.07	5.05	80.00- 120.00	100.00
	11.520	15.053	26457	17467	5.07	5.04	176.97- 216.97	193.33
	12.217	15.410	17507	11510	5.08	5.04	107.14- 147.14	127.93
Average of Peak Amounts =					5.07	5.04		

MFL
11/20/97

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1258F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1258R.D
 Inj Date : 13-NOV-1997 08:54
 Sample Info: ar1254H3,ar1254H3,,ar1254.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.583	5.670	3979	2553	0.0340	0.0347		100.00(a)
Decachlorobiphenyl	18.903	26.187	4021	1450	0.0349	0.0353		100.00(a)
Aroclor-1254	11.247	14.737	5105	3474	1.83	1.86	80.00- 120.00	100.00
	11.527	15.060	10073	6833	1.84	1.86	176.97- 216.97	197.32
	12.223	15.413	6536	4508	1.83	1.87	107.14- 147.14	128.03
Average of Peak Amounts =					1.83	1.86		

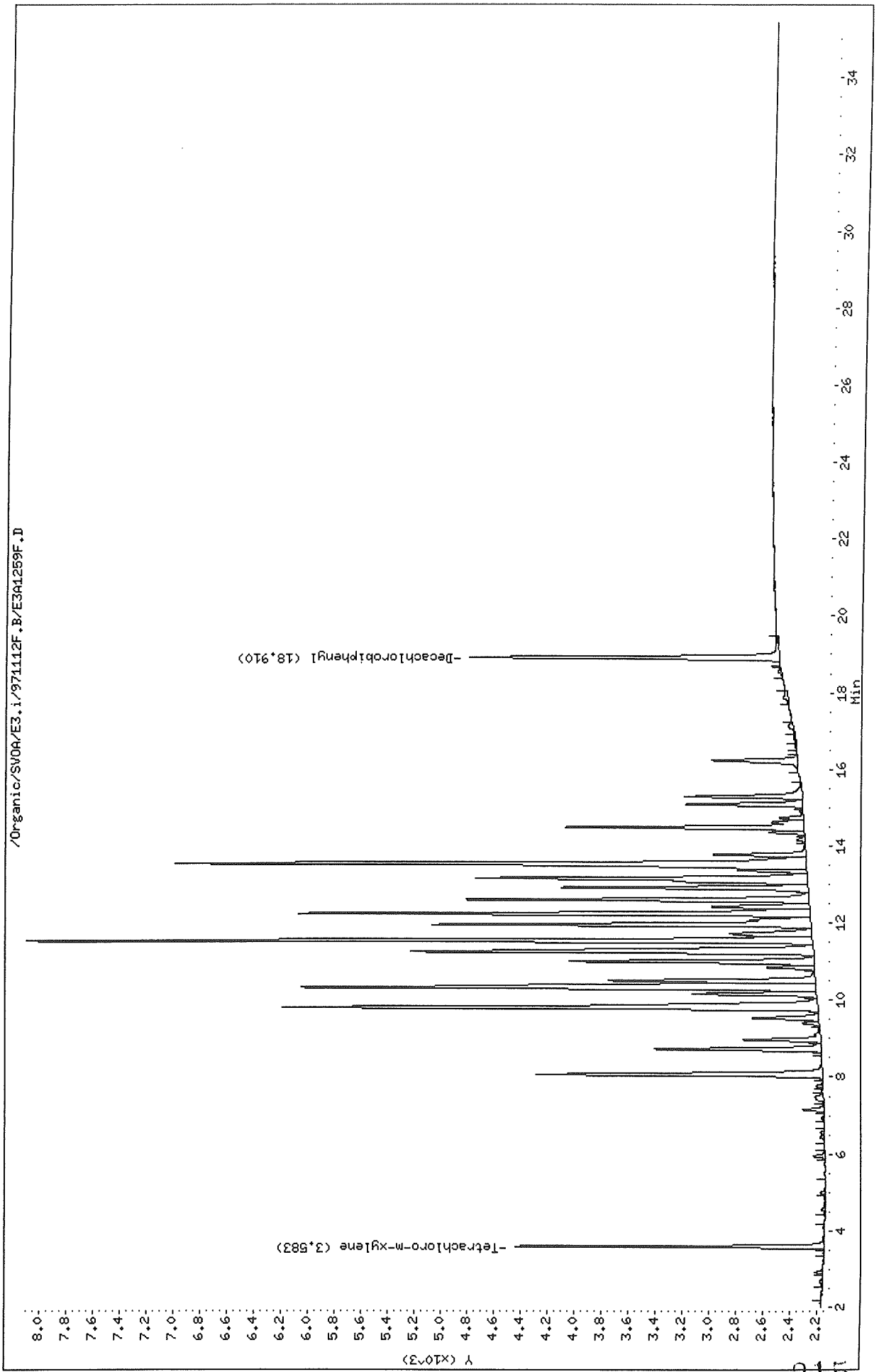
QC Flag Legend

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

*MTL
11/20/97*

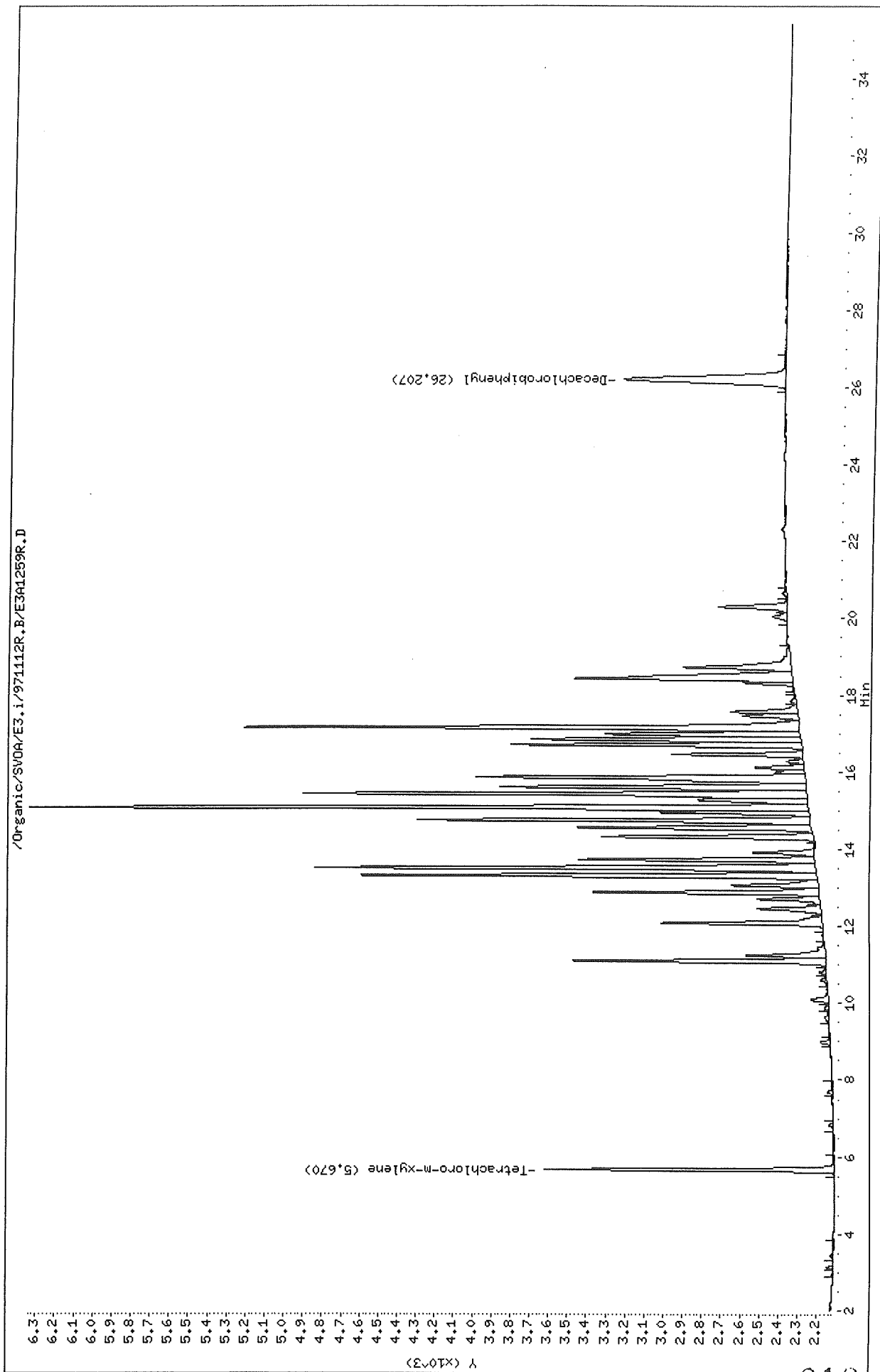
Data File: /Organic/SV0A/E3.i/971112F.B/E3A1259F.D
Date : 13-NOV-1997 09:32
Client ID: ar1254H2
Sample Info: ar1254H2,,ar1254H2,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1259R.D
Date : 13-NOV-1997 09:32
Client ID: ar1254H2
Sample Info: ar1254H2,ar1254H2,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1259F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1259R.D
 Inj Date : 13-NOV-1997 09:32
 Sample Info: ar1254H2,ar1254H2,,ar1254.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.583	5.670	2287	1511	0.0196	0.0205		100.00 (a)
Decachlorobiphenyl	18.910	26.207	2308	845	0.0200	0.0206		100.00 (a)
Aroclor-1254	11.247	14.740	3004	2066	1.07	1.09	80.00- 120.00	100.00
	11.530	15.067	5867	4099	1.06	1.10	176.97- 216.97	195.31
	12.227	15.423	3822	2653	1.06	1.09	107.14- 147.14	127.23
Average of Peak Amounts =					1.06	1.09		

QC Flag Legend

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

*MPL
11/20/97*

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1260F.D

Date : 13-NOV-1997 10:10

Client ID: ar1254H1

Sample Info: ar1254H1.ar1254H1,,ar1254.sub

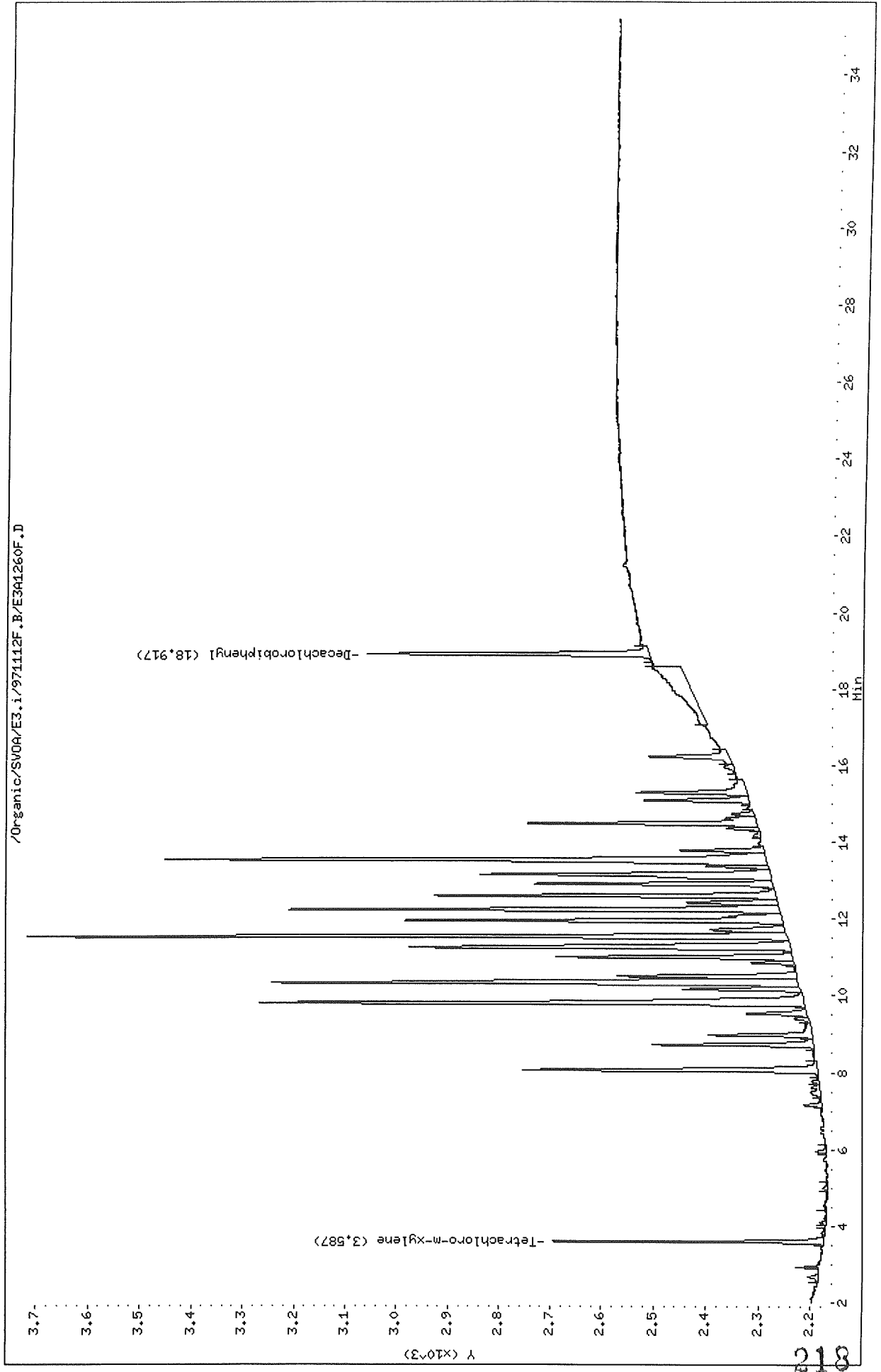
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

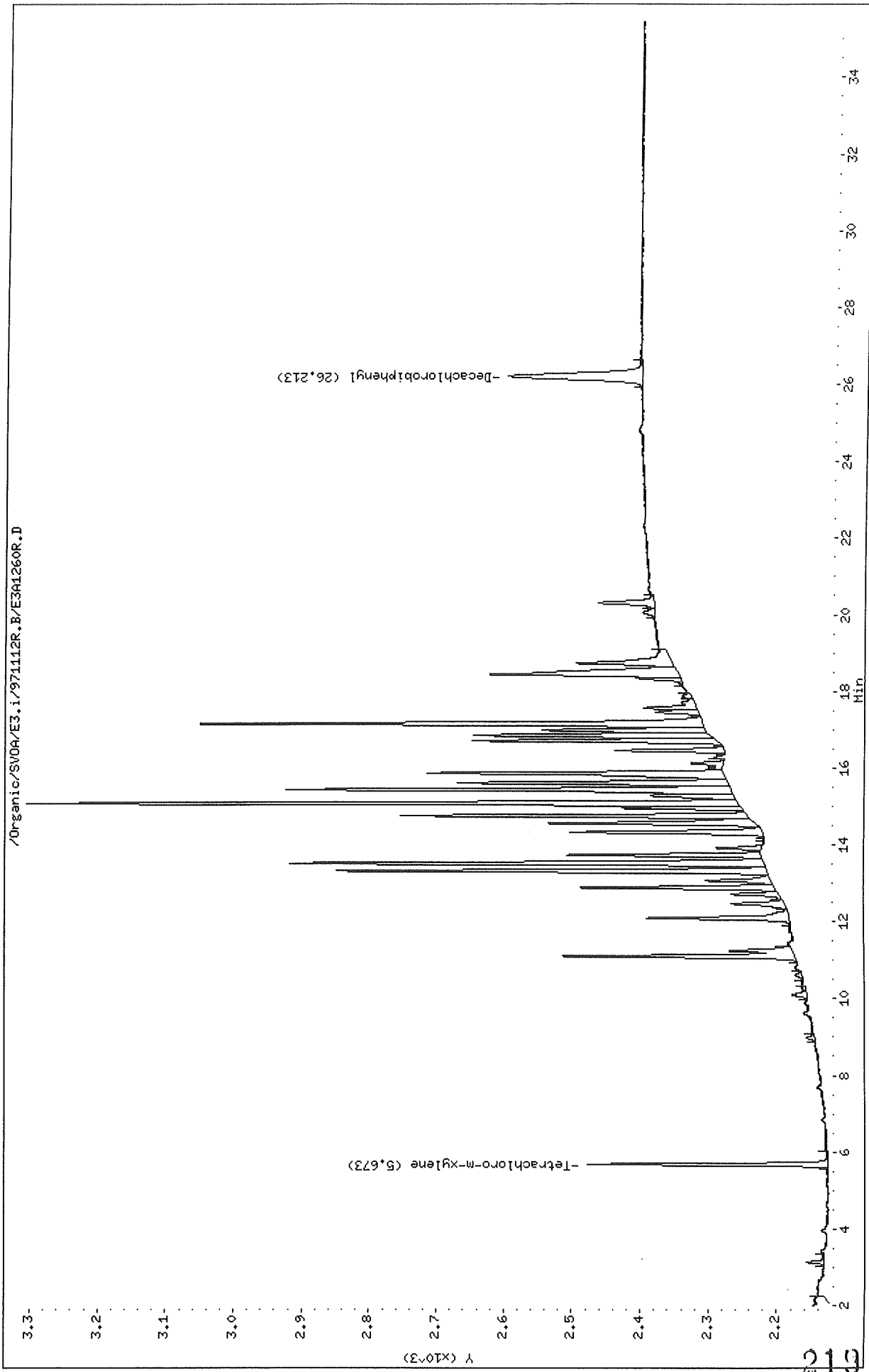
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1260R.D
Date : 13-NOV-1997 10:10
Client ID: ar1254H1
Sample Info: ar1254H1,ar1254H1,,ar1254,sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1260F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1260R.D
 Inj Date : 13-NOV-1997 10:10
 Sample Info: ar1254H1,ar1254H1,,ar1254.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:56
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.587	5.673	521	352	0.00446	0.00478		100.00(a)
Decachlorobiphenyl	18.917	26.213	550	196	0.00477	0.00477		100.00(a)
Aroclor-1254	11.253	14.747	735	511	0.252	0.265	80.00- 120.00	100.00(a)
	11.537	15.073	1470	1051	0.253	0.277	176.97- 216.97	200.00(a)
	12.237	15.427	950	658	0.255	0.266	107.14- 147.14	129.25(a)
Average of Peak Amounts =					0.253	0.269		

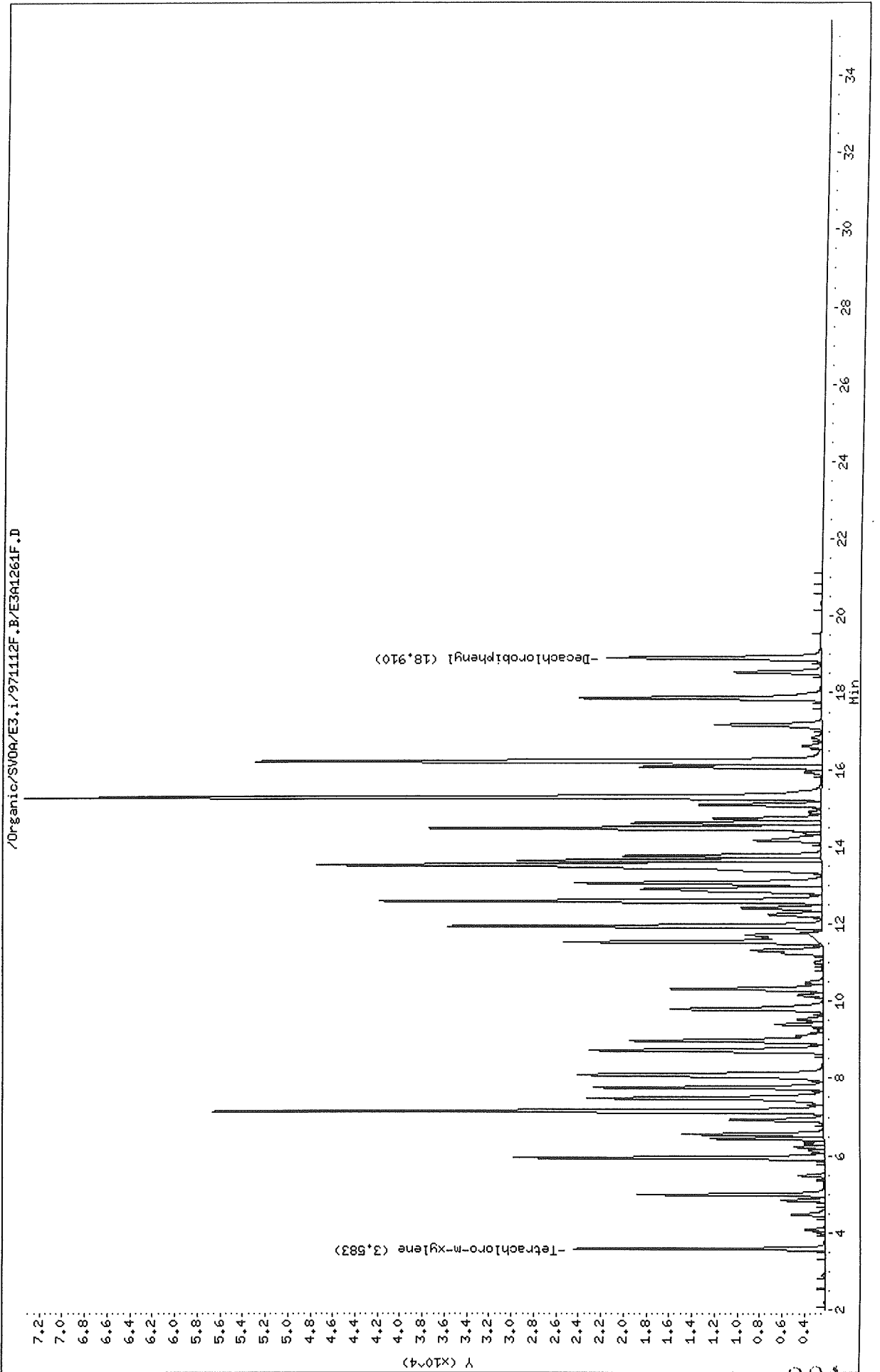
QC Flag Legend

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

MZ
11/20/97

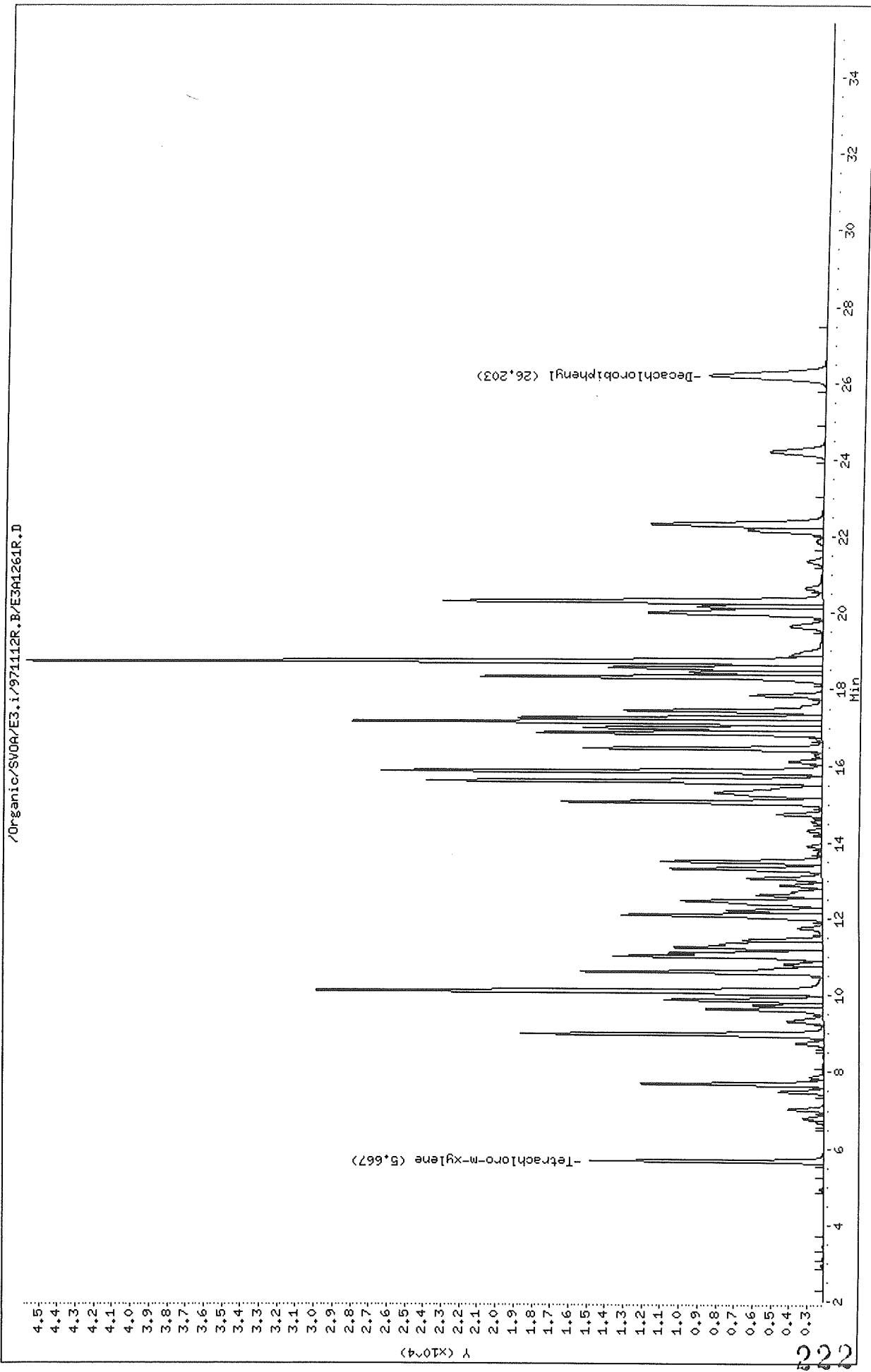
Data File: /Organic/SV004/E3.i/971112F.B/E301261F.D
Date : 13-NOV-1997 10:48
Client ID: ar1660H5
Sample Info: ar1660H5,ar1660H5,ar1660,sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.i/971112R.B/E3A1261R.D
Date : 13-NOV-1997 10:48
Client ID: ar1660H5
Sample Info: ar1660H5,ar1660H5,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1261F.D
 Report Date: 20-Nov-1997 10:21

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1261F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1261R.D
 Inj Date : 13-NOV-1997 10:48
 Sample Info: ar1660H5,ar1660H5,,ar1660.sub
 Misc Info : ,5
 Cal Date : 14-NOV-1997 12:57
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.583	5.667	22180	12679	0.190	0.172		100.00 (A)
Aroclor-1016	5.943	8.973	27534	16479	9.99	10.0	80.00- 120.00	100.00
	6.553	9.873	12590	8650	9.99	9.99	25.09- 65.09	45.73
	7.143	10.100	54347	27684	9.98	9.98	162.10- 202.10	197.38
	Average of Peak Amounts =				9.99	9.99		
Decachlorobiphenyl	18.910	26.203	18914	6335	0.164	0.154		100.00 (A)
Aroclor-1260	14.477	18.317	34836	18650	9.99	10.0	80.00- 120.00	100.00
	15.280	18.717	70919	43507	9.98	10.0	177.70- 217.70	203.58
	16.217	20.297	50325	20667	9.98	9.99	120.66- 160.66	144.46
	Average of Peak Amounts =				9.98	10.0		

MWZ
 11/20/97

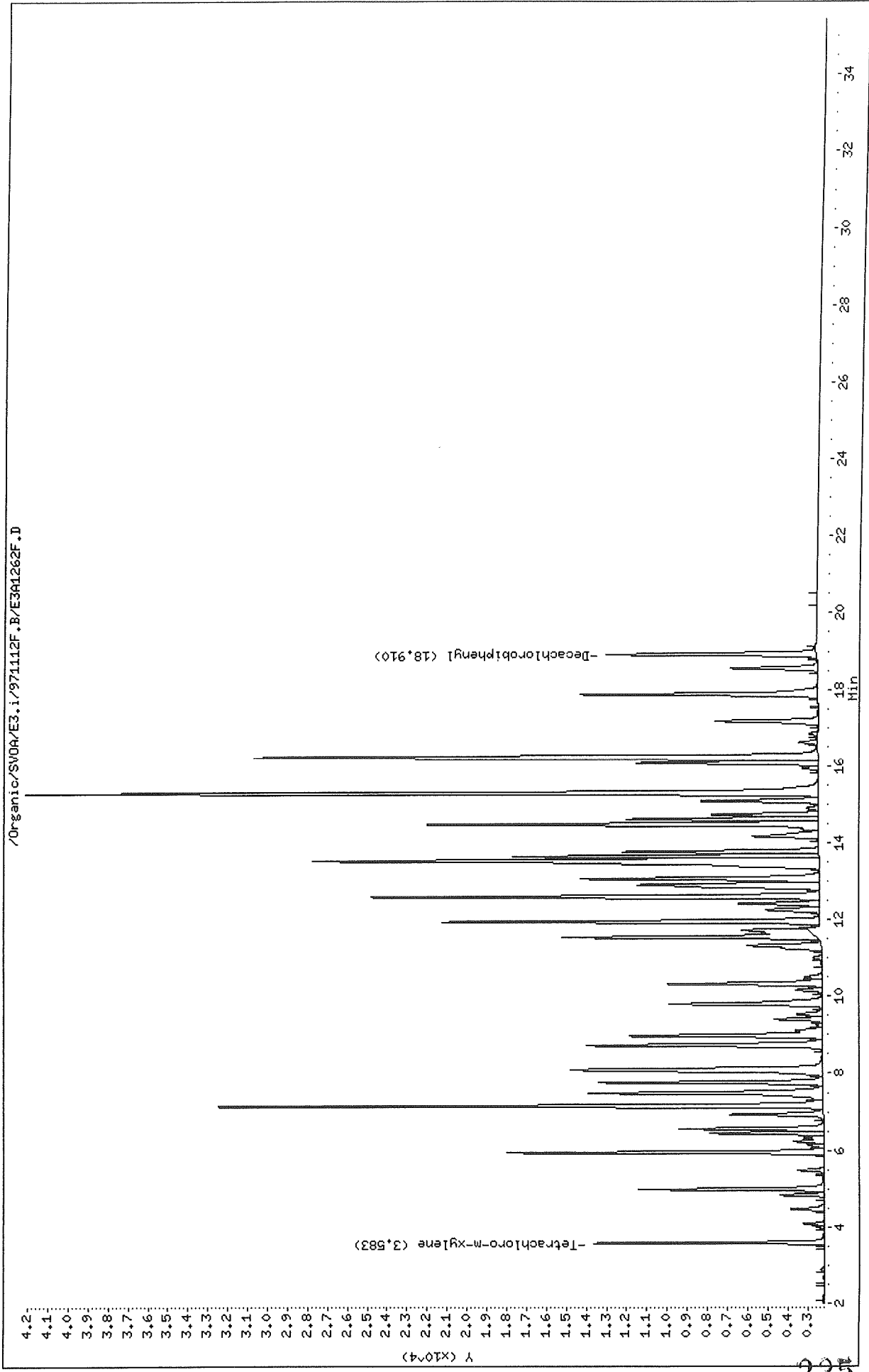
Data File: \Organic\SVOA\E3.i\971112F.B\E3A1261F.D
Report Date: 20-Nov-1997 10:21

QC Flag Legend

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

Data File: /Organic/SV00A/E3.i/971112F.B/E3A1262F.D
Date : 13-NOV-1997 11:26
Client ID: ar-1660H4
Sample Info: ar-1660H4,ar-1660H4,,ar-1660.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1262R.D

Date : 13-NOV-1997 11:26

Client ID: ar1660H4

Sample Info: ar1660H4,ar1660H4,,ar1660.sub

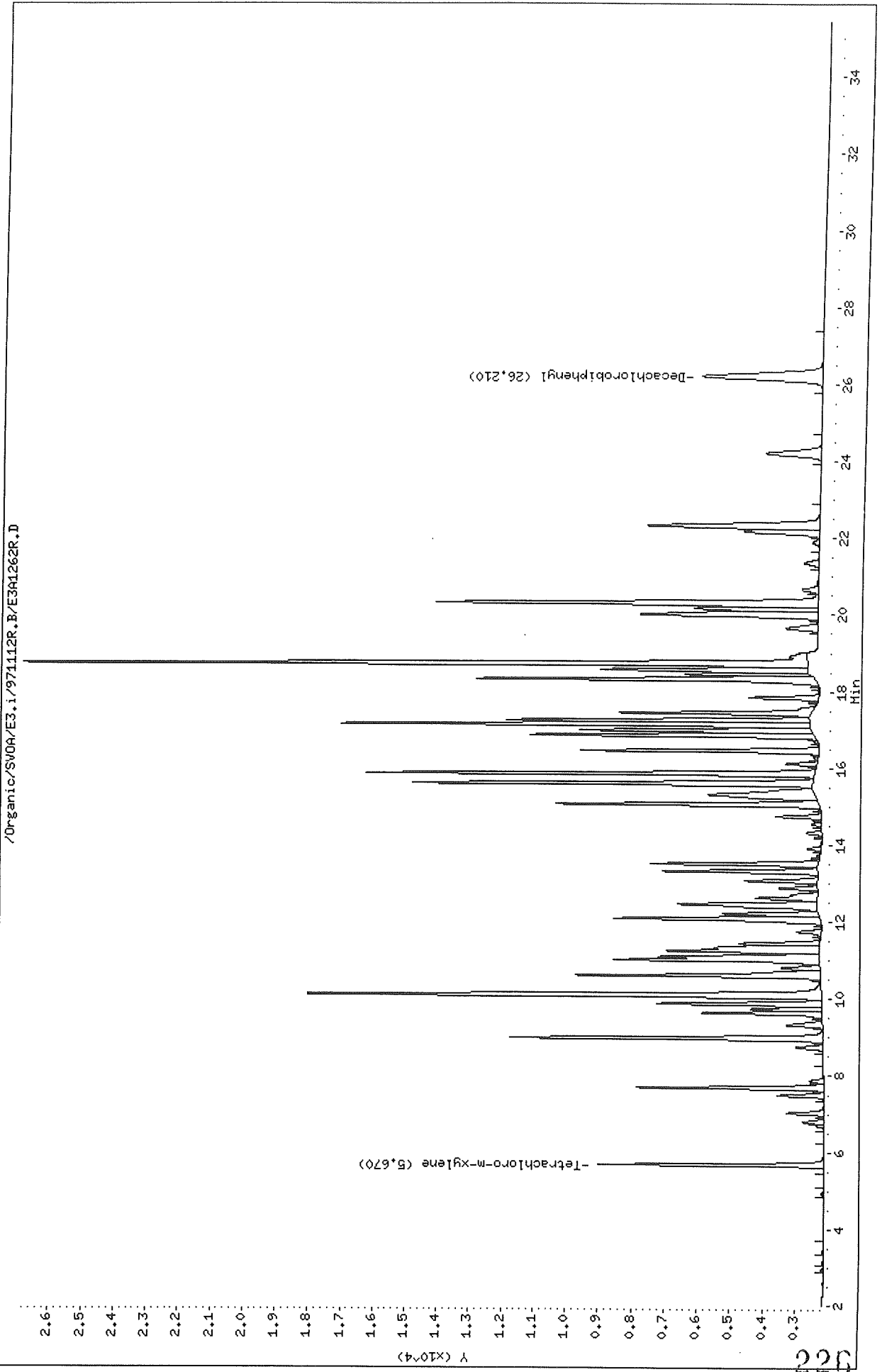
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1262F.D
 Report Date: 20-Nov-1997 10:22

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1262F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1262R.D
 Inj Date : 13-NOV-1997 11:26
 Sample Info: ar1660H4,ar1660H4,,ar1660.sub
 Misc Info : ,4
 Cal Date : 14-NOV-1997 12:57
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.583	5.670	11432	6874	0.0978	0.0933		100.00
Aroclor-1016	5.943	8.977	15830	9583	5.03	4.99	80.00- 120.00	100.00
	6.553	9.877	7195	5017	5.04	5.04	25.09- 65.09	45.45
	7.147	10.100	30285	15796	5.06	5.06	162.10- 202.10	191.31
	Average of Peak Amounts =				5.04	5.03		
Decachlorobiphenyl	18.910	26.210	10483	3674	0.0909	0.0894		100.00 (M)
Aroclor-1260	14.480	18.320	19525	10354	5.05	4.98	80.00- 120.00	100.00
	15.283	18.720	39693	24117	5.08	5.02	177.70- 217.70	203.29
	16.220	20.300	28190	11732	5.08	5.04	120.66- 160.66	144.38
	Average of Peak Amounts =				5.07	5.01		

MZ
 11/20/97

Data File: \Organic\SVOA\E3.i\971112F.B\E3A1262F.D
Report Date: 20-Nov-1997 10:22

QC Flag Legend

M - Compound response manually integrated.

Data File: /Organic/SV00A/E3.i/971112F.B/E3A1263F.D

Date: 13-NOV-1997 12:04

Client ID: ar1660H3

Sample Info: ar1660H3,ar1660H3,ar1660,sub

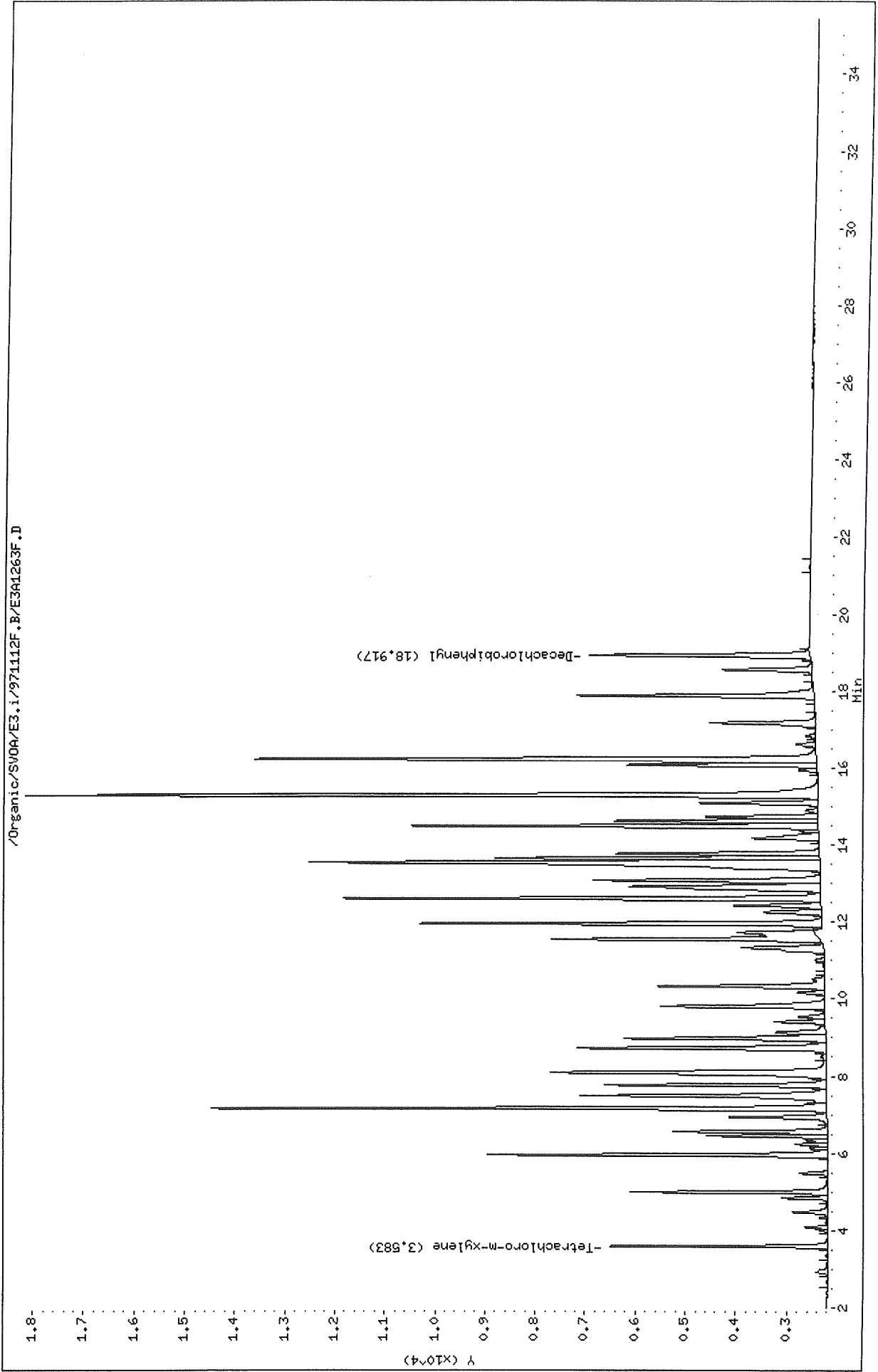
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

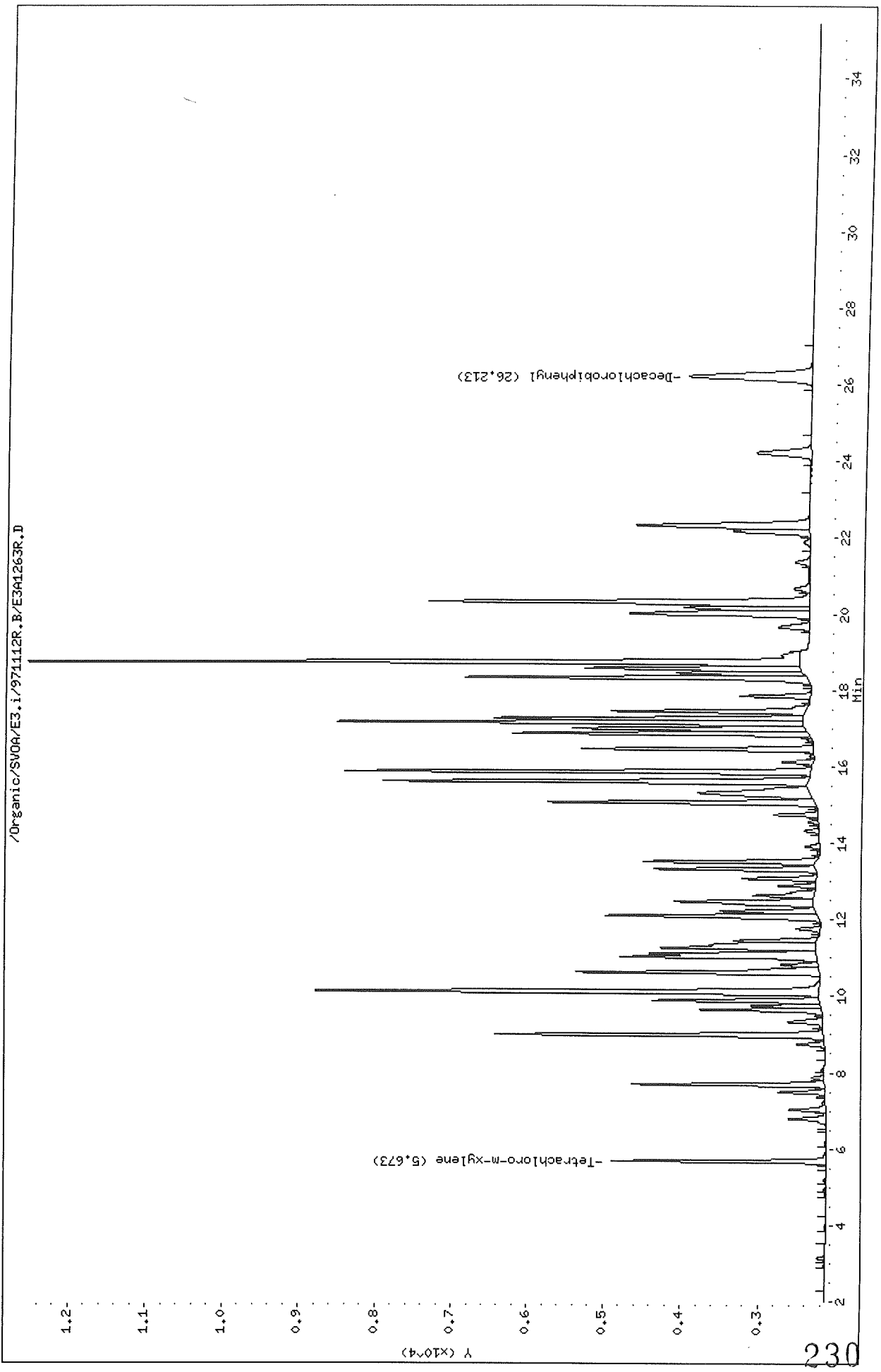
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/974112R.B/E3A1263R.D
Date : 13-NOV-1997 12:04
Client ID: ar1660H3
Sample Info: ar1660H3,ar1660H3,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1263F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1263R.D
 Inj Date : 13-NOV-1997 12:04
 Sample Info: ar1660H3,ar1660H3,,ar1660.sub
 Misc Info : ,3
 Cal Date : 14-NOV-1997 12:57
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.583	5.673	4315	2768	0.0369	0.0376		100.00 (a)
Aroclor-1016	5.947	8.980	6760	4267	1.91	1.94	80.00- 120.00	100.00
	6.557	9.880	3035	2139	1.91	1.90	25.09- 65.09	44.90
	7.150	10.103	12264	6555	1.90	1.90	162.10- 202.10	181.42
	Average of Peak Amounts =				1.91	1.91		
Decachlorobiphenyl	18.917	26.213	4388	1591	0.0381	0.0387		100.00 (aM)
Aroclor-1260	14.483	18.320	8082	4440	1.92	1.96	80.00- 120.00	100.00
	15.283	18.720	15785	10046	1.88	1.94	177.70- 217.70	195.31
	16.220	20.303	11200	4943	1.88	1.92	120.66- 160.66	138.58
	Average of Peak Amounts =				1.89	1.94		

MZ
11/20/97

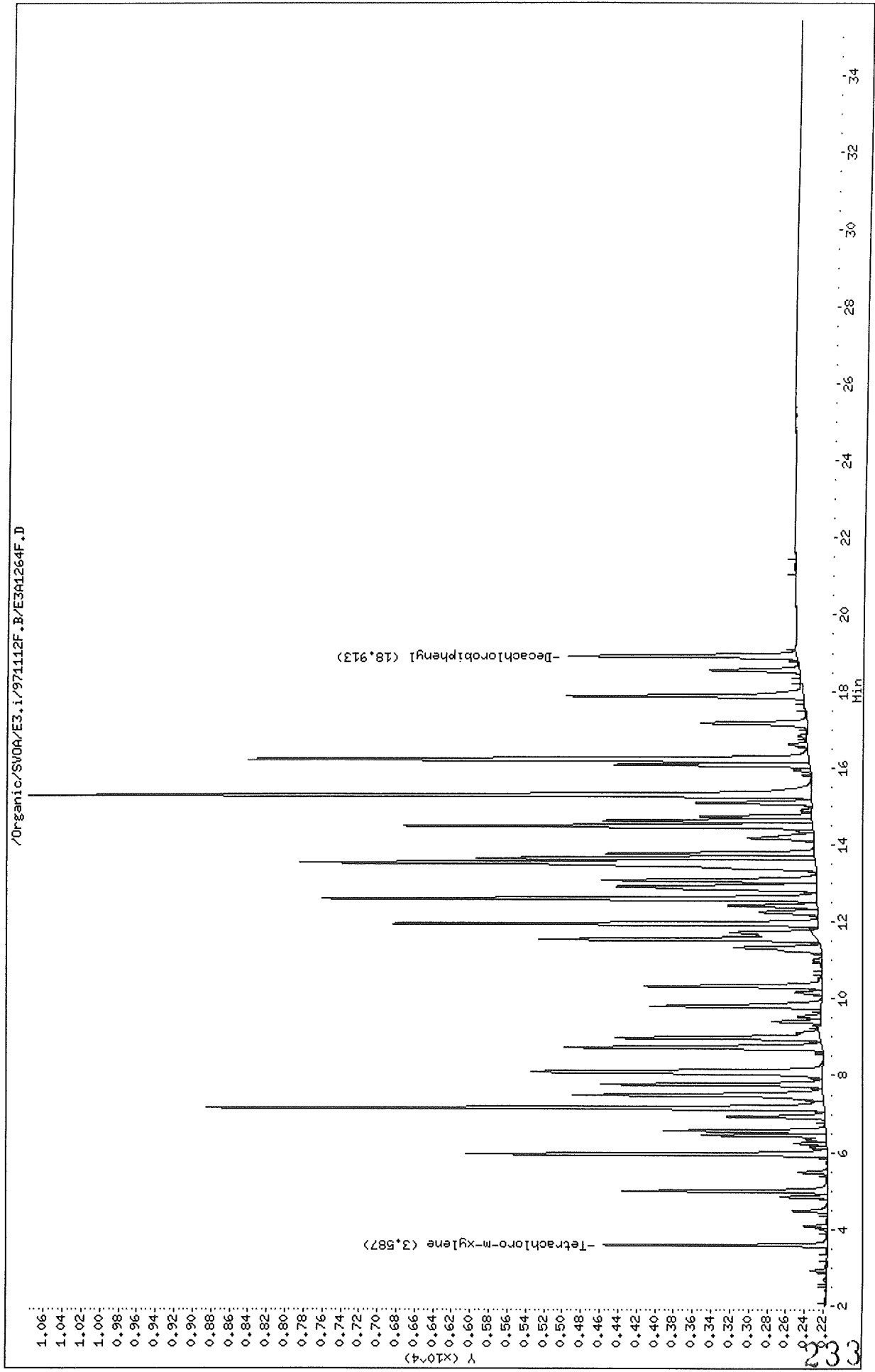
Data File: \Organic\SVOA\E3.i\971112F.B\E3A1263F.D
Report Date: 20-Nov-1997 10:22

QC Flag Legend

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

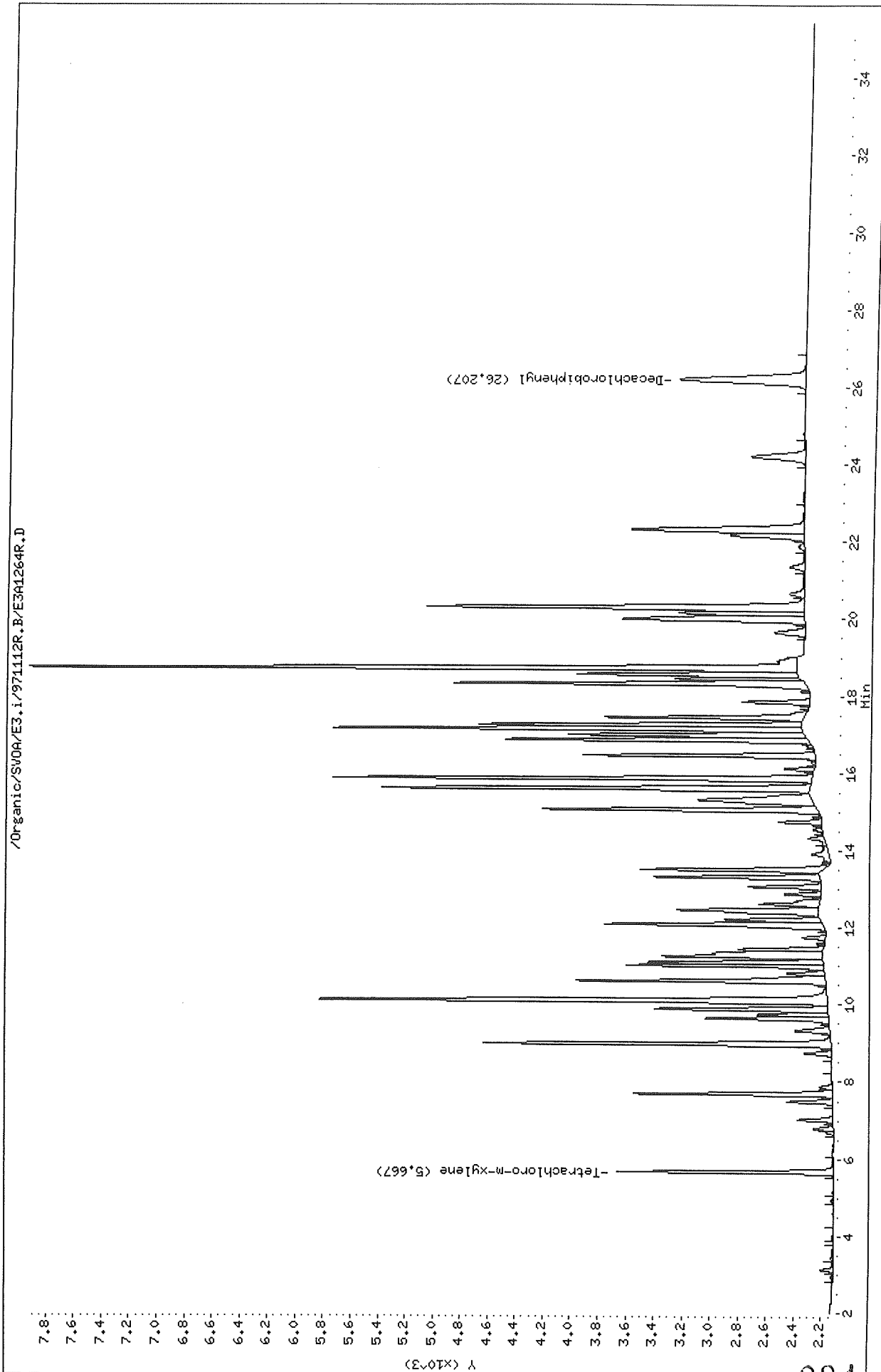
Data File: /Organic/SV00A/E3.i/971112F.B/E3A1264F.D
 Date : 13-NOV-1997 12:42
 Client ID: ar1660H2
 Sample Info: ar1660H2,ar1660H2,ar1660.sub
 Volume Injected (uL): 2.0
 Column phase: DB-1701

Instrument: E3.i
 Operator: jfs
 Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971112R.B/E3A1264R.D
Date : 13-NOV-1997 12:42
Client ID: ar1660H2
Sample Info: ar1660H2,ar1660H2,,ar1660.sub
Volume Injected (ul.): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1264F.D
 Report Date: 20-Nov-1997 10:22

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1264F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1264R.D
 Inj Date : 13-NOV-1997 12:42
 Sample Info: ar1660H2,ar1660H2,,ar1660.sub
 Misc Info : ,2
 Cal Date : 14-NOV-1997 12:57
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.587	5.667	2392	1543	0.0204	0.0210		100.00 (a)
Aroclor-1016	5.950	8.977	3885	2493	1.06	1.08	80.00- 120.00	100.00
	6.560	9.877	1725	1240	1.05	1.05	25.09- 65.09	44.40
	7.150	10.100	6661	3660	1.01	1.02	162.10- 202.10	171.45
	Average of Peak Amounts =				1.04	1.05		
Decachlorobiphenyl	18.913	26.207	2442	902	0.0212	0.0219		100.00 (aM)
Aroclor-1260	14.480	18.320	4391	2523	1.01	1.08	80.00- 120.00	100.00
	15.283	18.717	8446	5538	0.992	1.04	177.70- 217.70	192.35
	16.220	20.300	6034	2719	0.997	1.02	120.66- 160.66	137.42
	Average of Peak Amounts =				1.000	1.05		

MZ
11/20/97

Data File: \Organic\SVOA\E3.i\971112F.B\E3A1264F.D
Report Date: 20-Nov-1997 10:22

QC Flag Legend

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

Data File: /Organic/SV0A/E3.i/971112F.B/E3A1265F.D

Date : 13-NOV-1997 13:20

Client ID: ar1660H1

Sample Info: ar1660H1.ar1660H1,,ar1660.sub

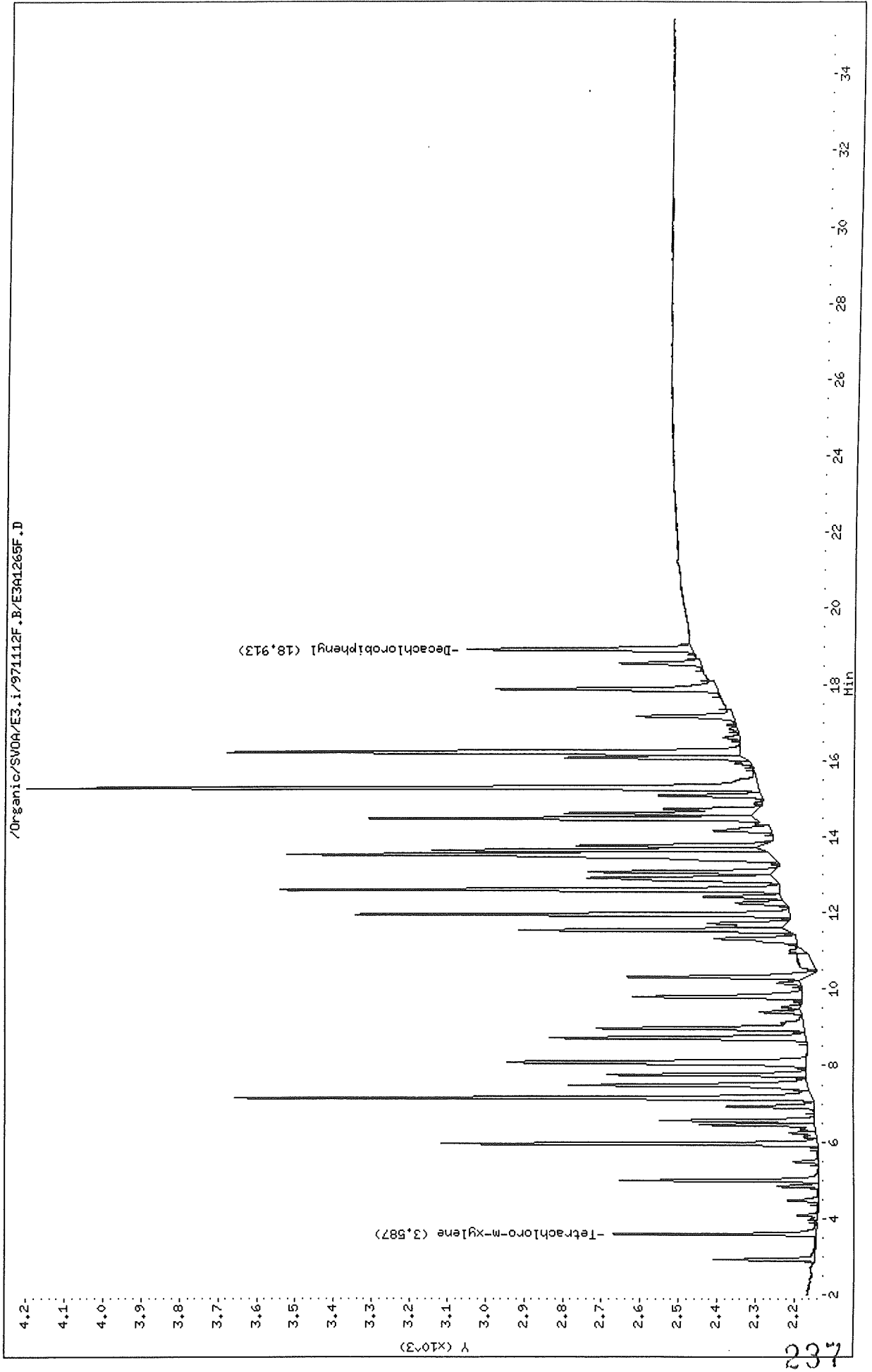
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

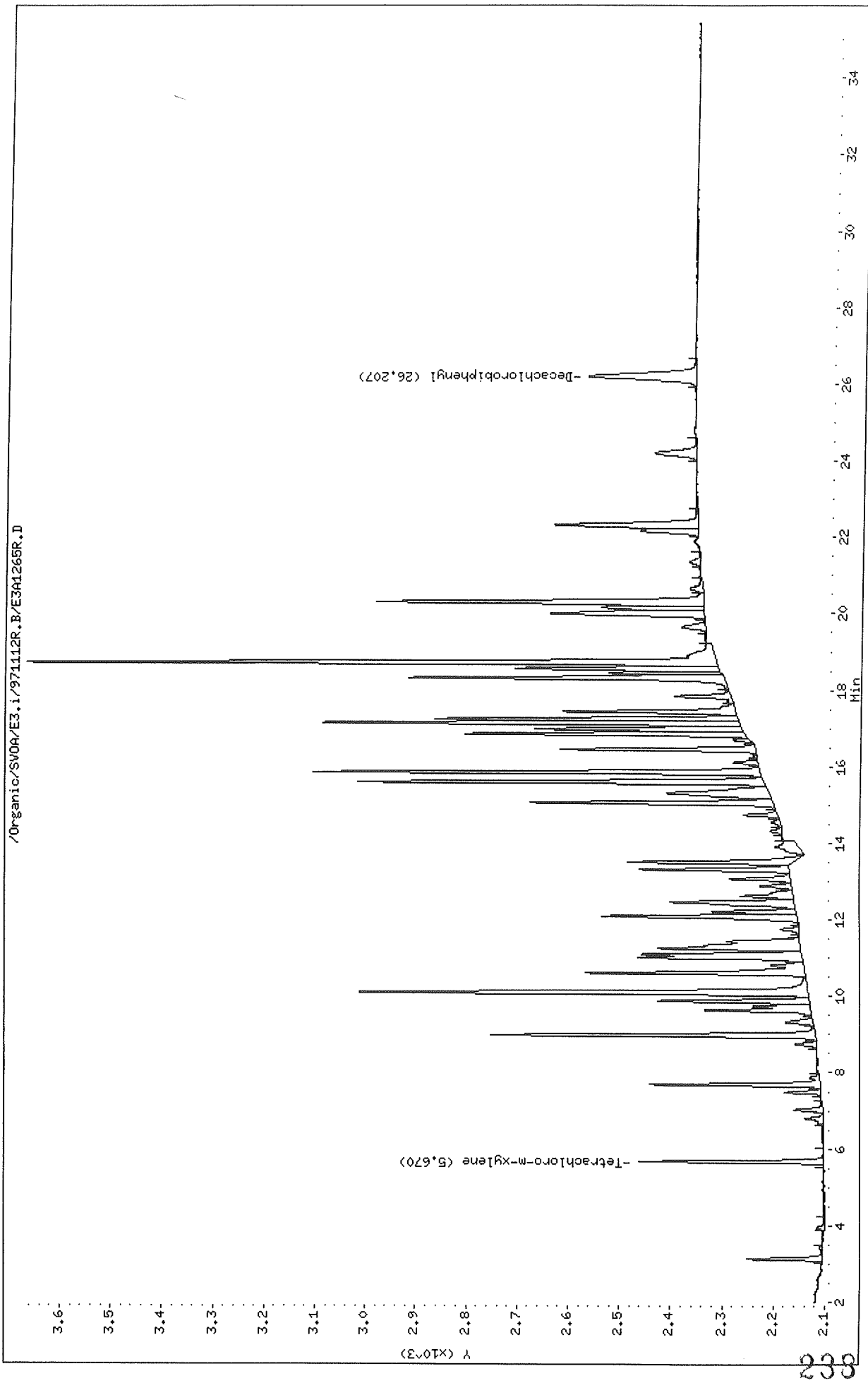
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971112R.B/E341265R.D
Date : 13-NOV-1997 13:20
Client ID: ar1660H1
Sample Info: ar1660H1,ar1660H1,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs
Column diameter: 0.53



Data File: \Organic\SVOA\E3.i\971112F.B\E3A1265F.D
 Report Date: 20-Nov-1997 10:22

Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971112F.B\E3A1265F.D
 Sample #2 : \Organic\SVOA\E3.i\971112R.B\E3A1265R.D
 Inj Date : 13-NOV-1997 13:20
 Sample Info: ar1660H1,ar1660H1,,ar1660.sub
 Misc Info : ,1
 Cal Date : 14-NOV-1997 12:57
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971112F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971112R.B\e3PCB-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	3.587	5.670	528	359	0.00452	0.00487		100.00 (a)
Aroclor-1016	5.947	8.980	981	634	0.256	0.260	80.00- 120.00	100.00 (a)
	6.557	9.880	401	294	0.234	0.238	25.09- 65.09	40.88 (a)
	7.150	10.100	1507	879	0.222	0.237	162.10- 202.10	153.62 (a)
	Average of Peak Amounts =				0.237	0.245		
Decachlorobiphenyl	18.913	26.207	581	209	0.00504	0.00508		100.00 (aM)
Aroclor-1260	14.480	18.320	1008	618	0.227	0.257	80.00- 120.00	100.00 (a)
	15.283	18.720	1909	1354	0.239	0.248	177.70- 217.70	189.38 (a)
	16.220	20.303	1337	640	0.236	0.232	120.66- 160.66	132.64 (a)
	Average of Peak Amounts =				0.234	0.246		

MW
 11/20/97

QC Flag Legend

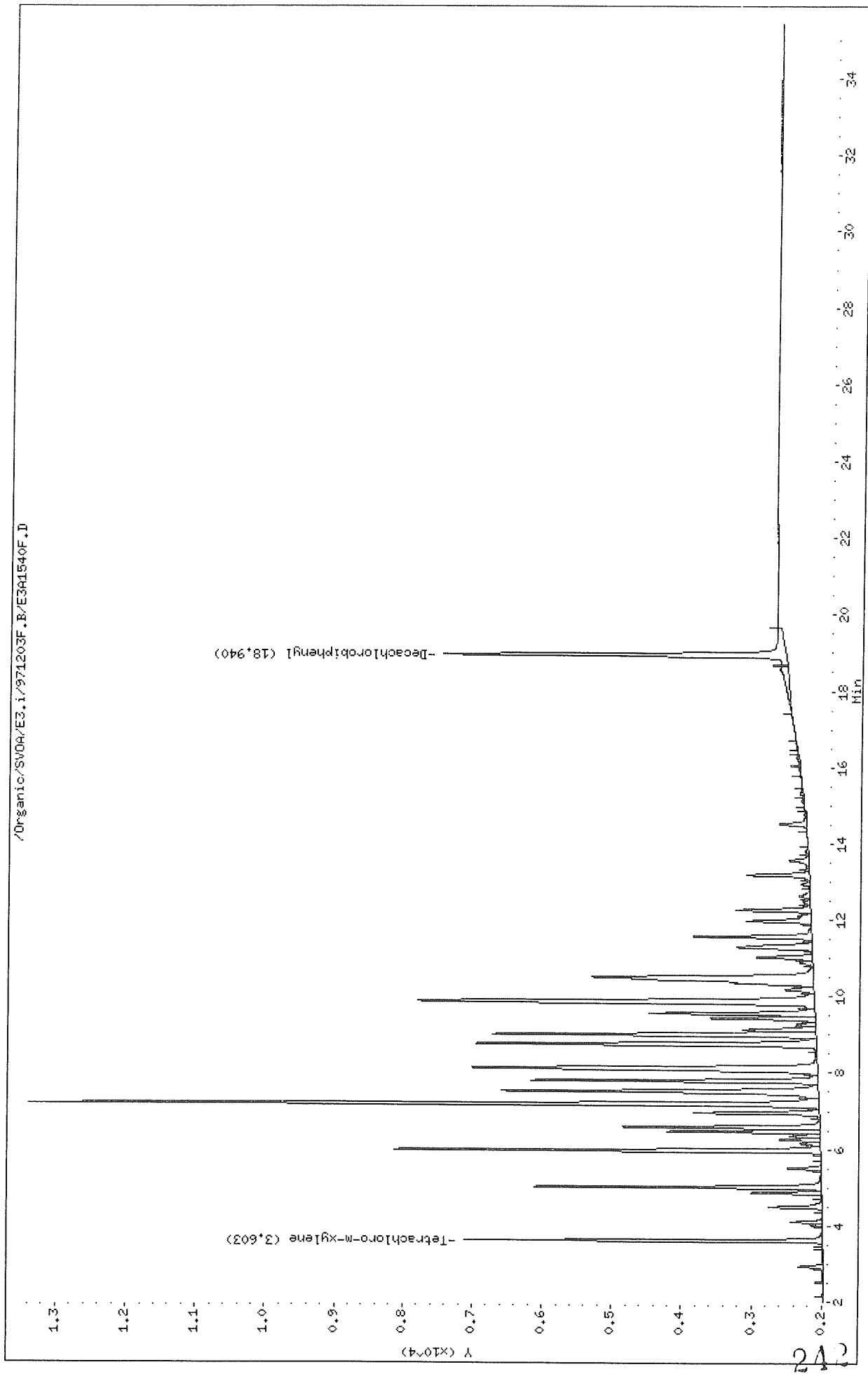
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Standard Chromatograms

-- Continuing calibration

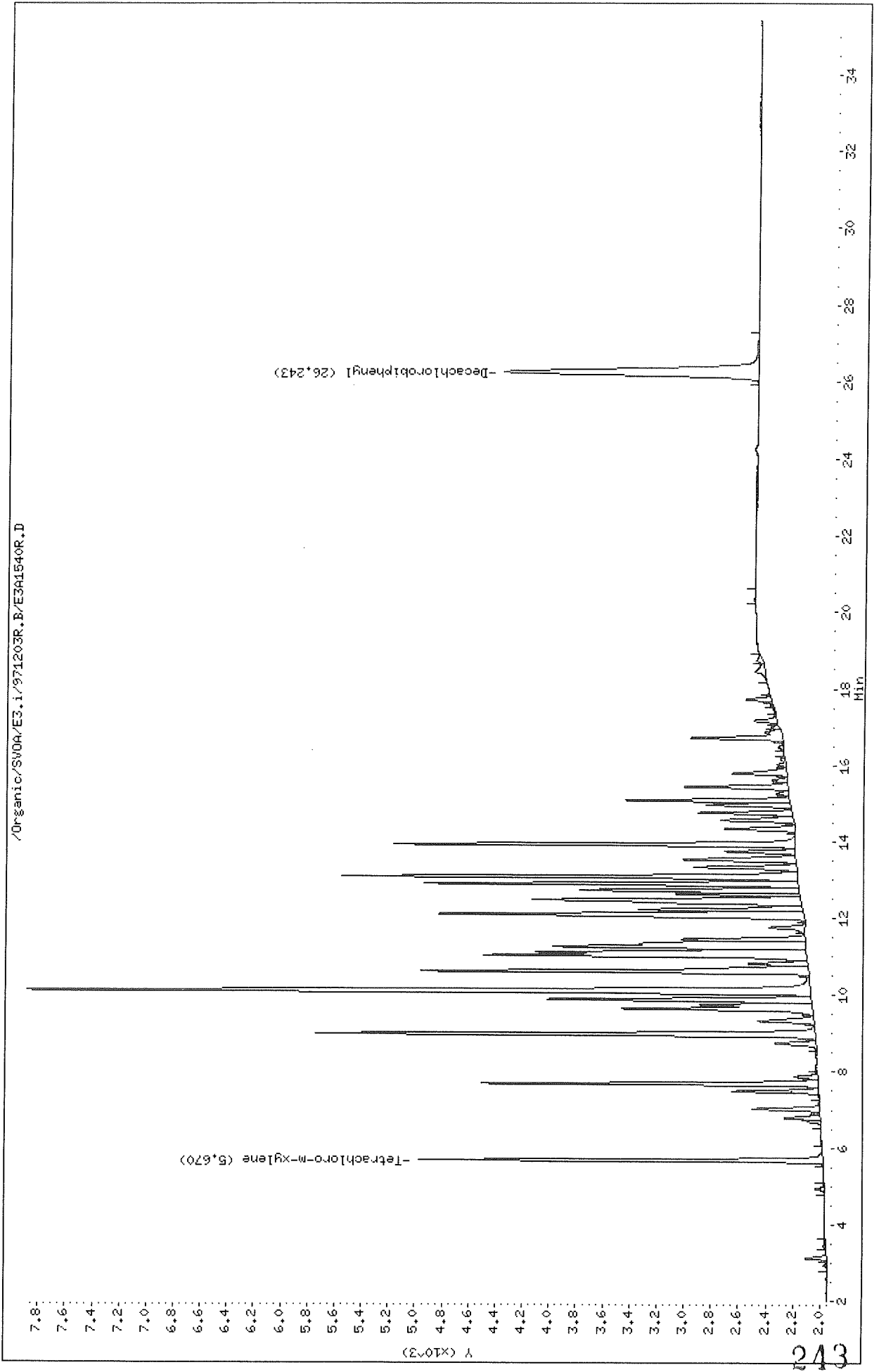
Data File: /Organic/SV004/E3.i/971203F.B/E341540F.D
Date : 03-DEC-1997 17:35
Client ID: ar1242DA
Sample Info: ar1242DA,ar1242DA,,ar1242.sub
Volume Injected (uL): 2.0
Column Phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E3A1540R.D
Date : 03-DEC-1997 17:35
Client ID: ar1242DA
Sample Info: ar1242DA,ar1242DA,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1540F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1540R.D
 Inj Date : 03-DEC-1997 17:35
 Sample Info: ar1242DA,ar1242DA,,ar1242.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 14:59
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\3PCBvhhb-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	3.603	5.670	5121	2993	0.0438	0.0406		100.00 (a)
Aroclor-1242	5.963	8.980	6106	3707	2.34	2.23	80.00- 120.00	100.00
	7.167	10.103	11347	5812	2.37	2.23	157.04- 197.04	185.83
	8.110	12.090	4940	2701	2.37	2.25	59.99- 99.99	80.90
	8.743	12.883	4868	2771	2.38	2.30	57.89- 97.89	79.72
	9.857	13.070	5671	3380	2.41	2.31	65.32- 105.32	92.88
	Average of Peak Amounts =				2.37	2.26		
Decachlorobiphenyl	18.940	26.243	4907	1889	0.0426	0.0460		100.00 (a)

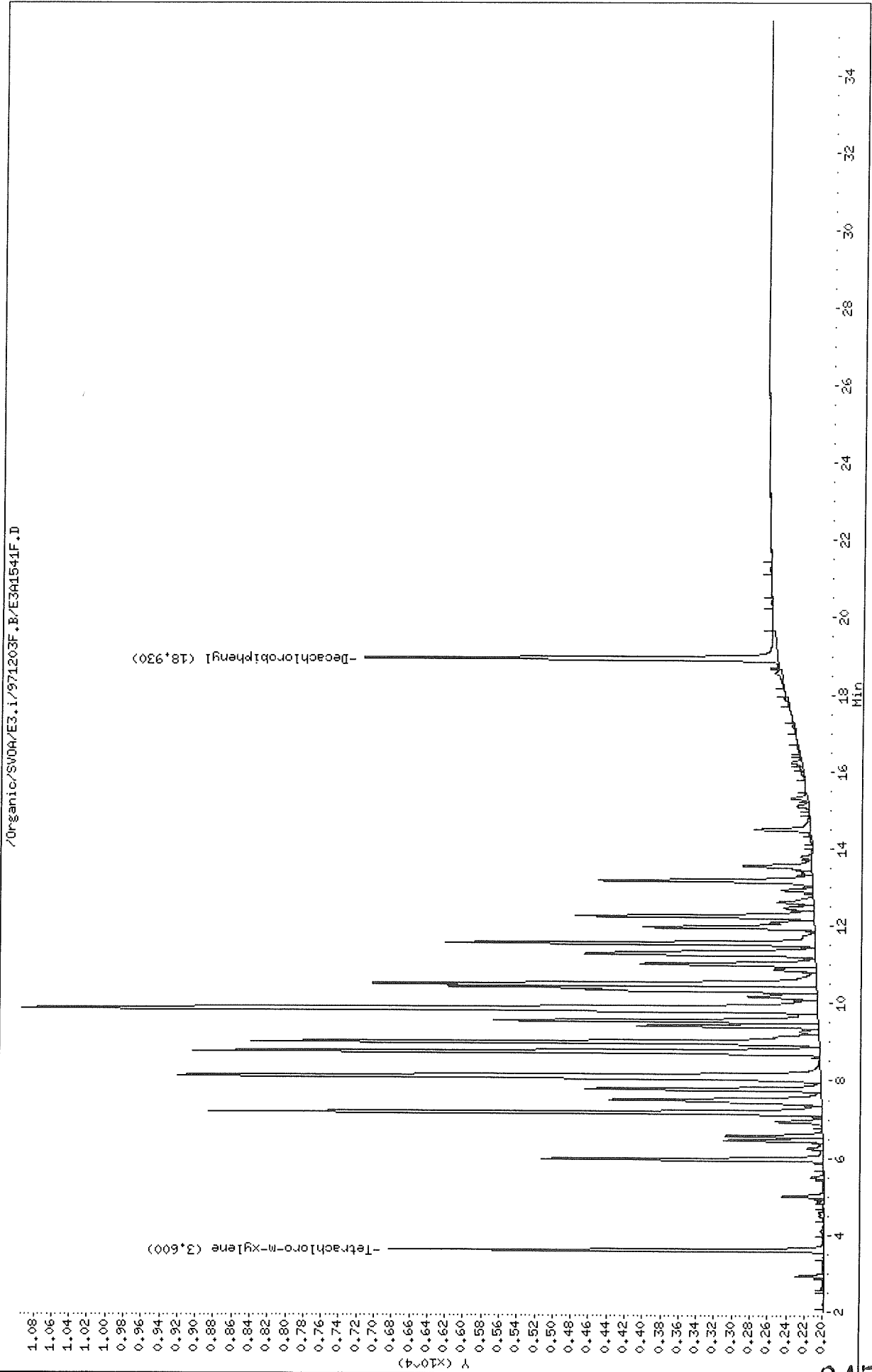
QC Flag Legend

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

3L
12/15/97

Data File: /Organic/SV0A/E3.i/971203F.B/E3A1541F.D
Date : 03-DEC-1997 18:22
Client ID: ar1248DA
Sample Info: ar1248DA,ar1248DA,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53

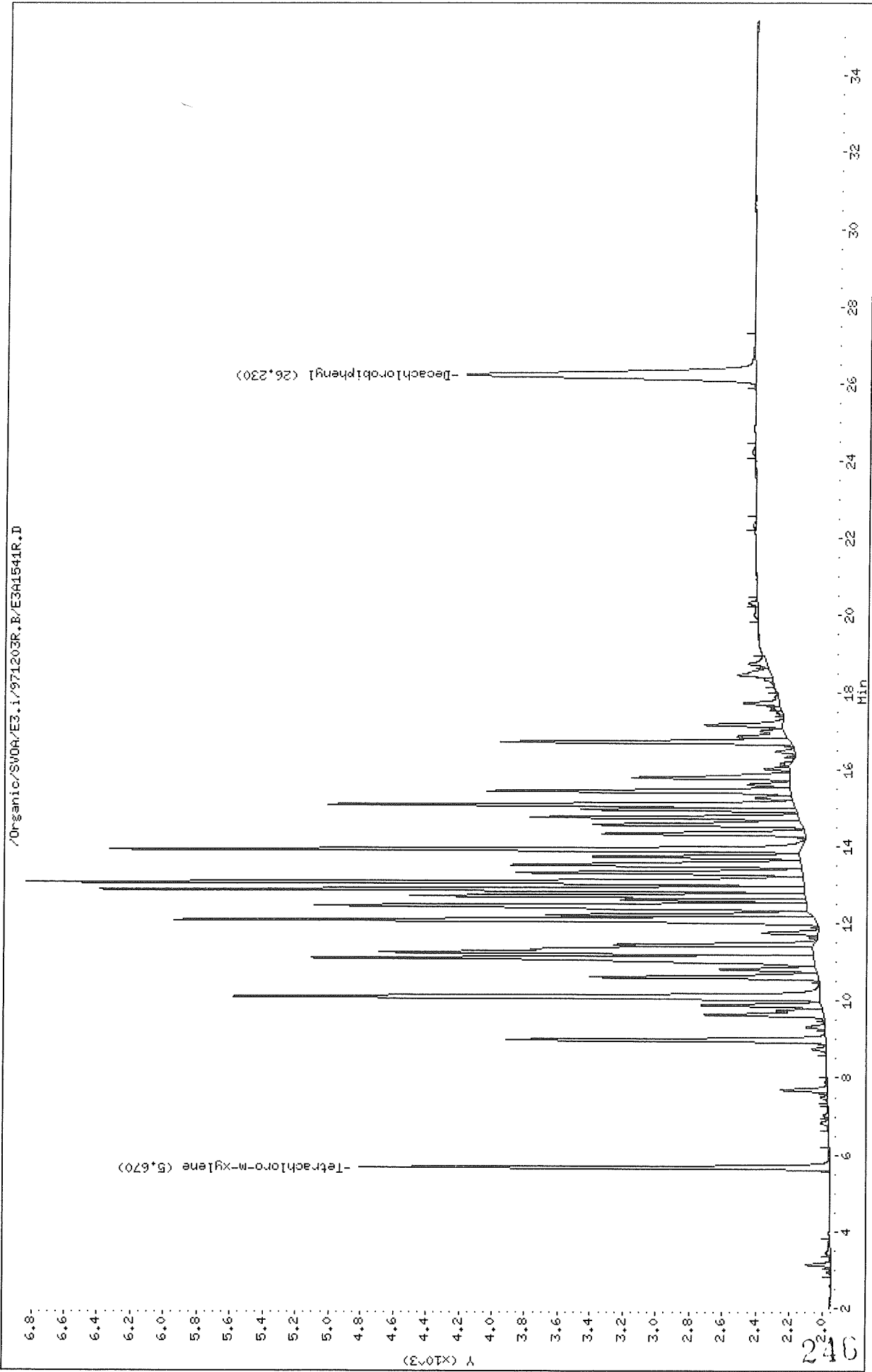


Data File: /Organic/SV04/E3.i/971203R.B/E3H1541R.D
Date: 03-DEC-1997 18:22
Client ID: ar1248DA
Sample Info: ar1248DA,ar1248DA,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1541F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1541R.D
 Inj Date : 03-DEC-1997 18:22
 Sample Info: ar1248DA,ar1248DA,,ar1248.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 14:59
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.600	5.670	4838	2854	0.0414	0.0388		100.00 (a)
Aroclor-1248	8.737	12.467	7004	2994	1.98	1.92	80.00- 120.00	100.00
	8.980	12.883	6339	4280	1.96	1.89	69.62- 109.62	90.51
	9.840	13.067	8887	4721	1.95	1.85	101.12- 141.12	126.88
	Average of Peak Amounts =				1.96	1.89		
Decachlorobiphenyl	18.930	26.230	4607	1748	0.0400	0.0425		100.00 (a)

QC Flag Legend

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

GL
 12/15/97

Data File: /Organic/SW04/E3.i/971203F.B/E3A1542F.D

Date : 04-DEC-1997 08:26

Client ID: ar1254DA

Sample Info: ar1254DA,ar1254DA,,ar1254.sub

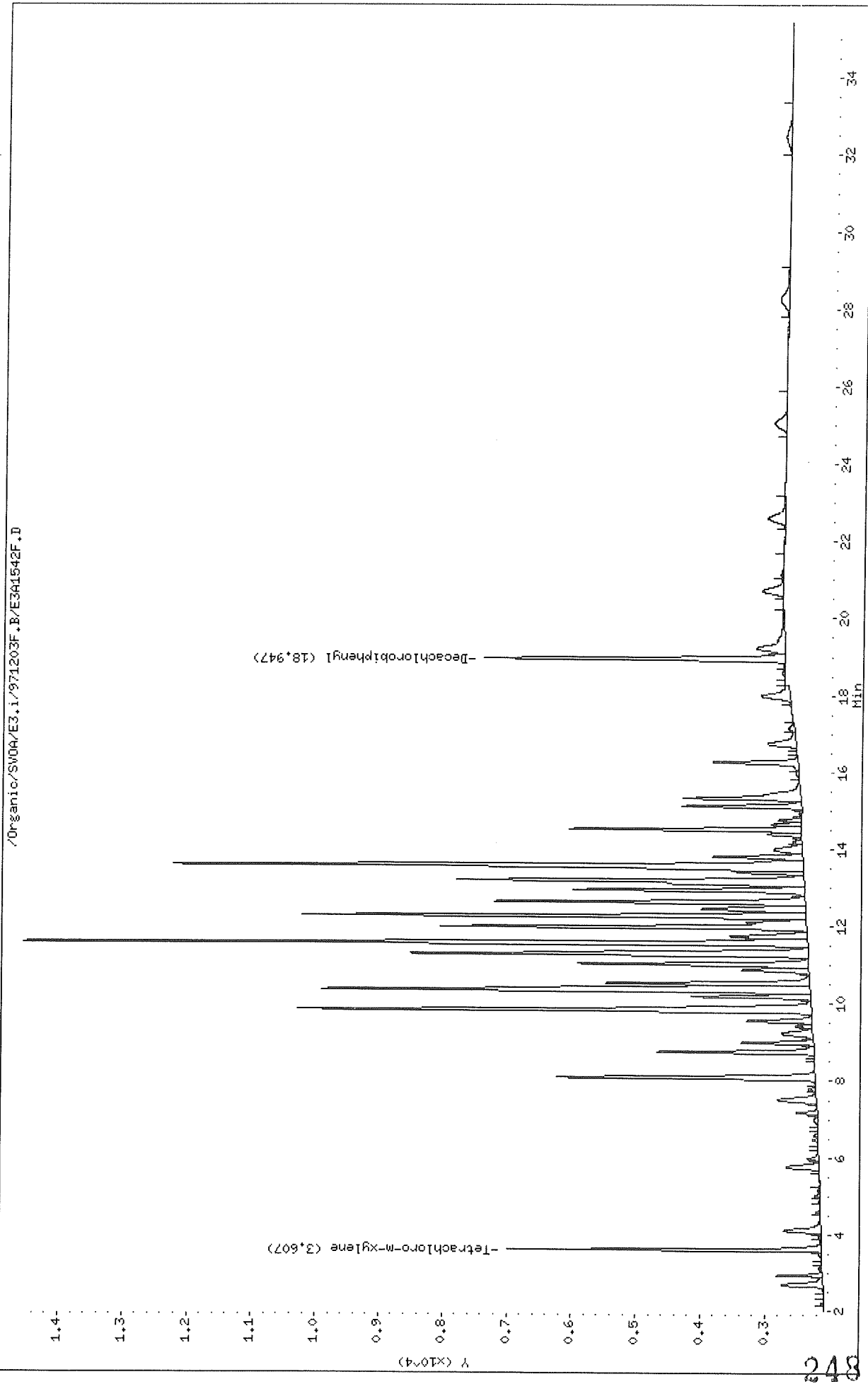
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E3R1542R.D

Date: 04-DEC-1997 08:26

Client ID: ar1254DA

Sample Info: ar1254DA,ar1254DA,ar1254.sub

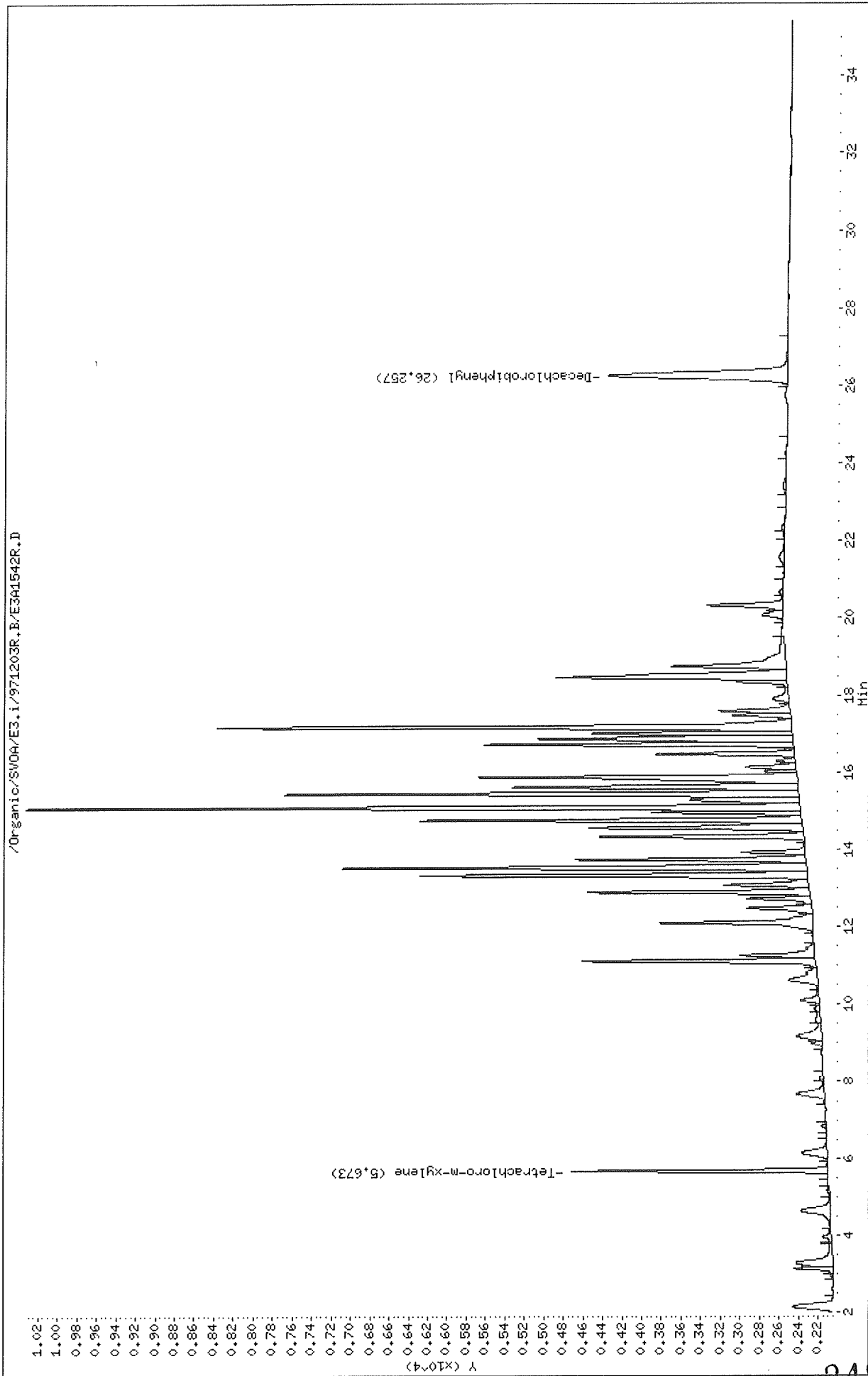
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1542F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1542R.D
 Inj Date : 04-DEC-1997 08:26
 Sample Info: ar1254DA,ar1254DA,,ar1254.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 14:59
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	25000.000	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	3.607	5.673	4847	2613	0.0414	0.0355		100.00 (a)
Decachlorobiphenyl	18.947	26.257	4649	1823	0.0403	0.0443		100.00 (a)
Aroclor-1254	10.343	14.760	7577	3904	2.29	2.10	80.00- 120.00	100.00
	11.277	15.083	6153	7948	2.22	2.18	61.32- 101.32	81.21
	11.560	15.440	12186	5275	2.25	2.21	138.73- 178.73	160.83
	12.257	16.717	7830	3155	2.21	2.20	76.92- 116.92	103.34
	13.560	17.167	9794	5889	2.24	2.26	106.42- 146.42	129.26
Average of Peak Amounts =					2.24	2.19		

QC Flag Legend

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

GL
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Data File: /Organic/SV04/E3.1/971203F.B/E3A1543F.D

Date: 04-DEC-1997 09:04

Client ID: ar1660DA

Sample Info: ar1660DA,ar1660DA,,ar1660.sub

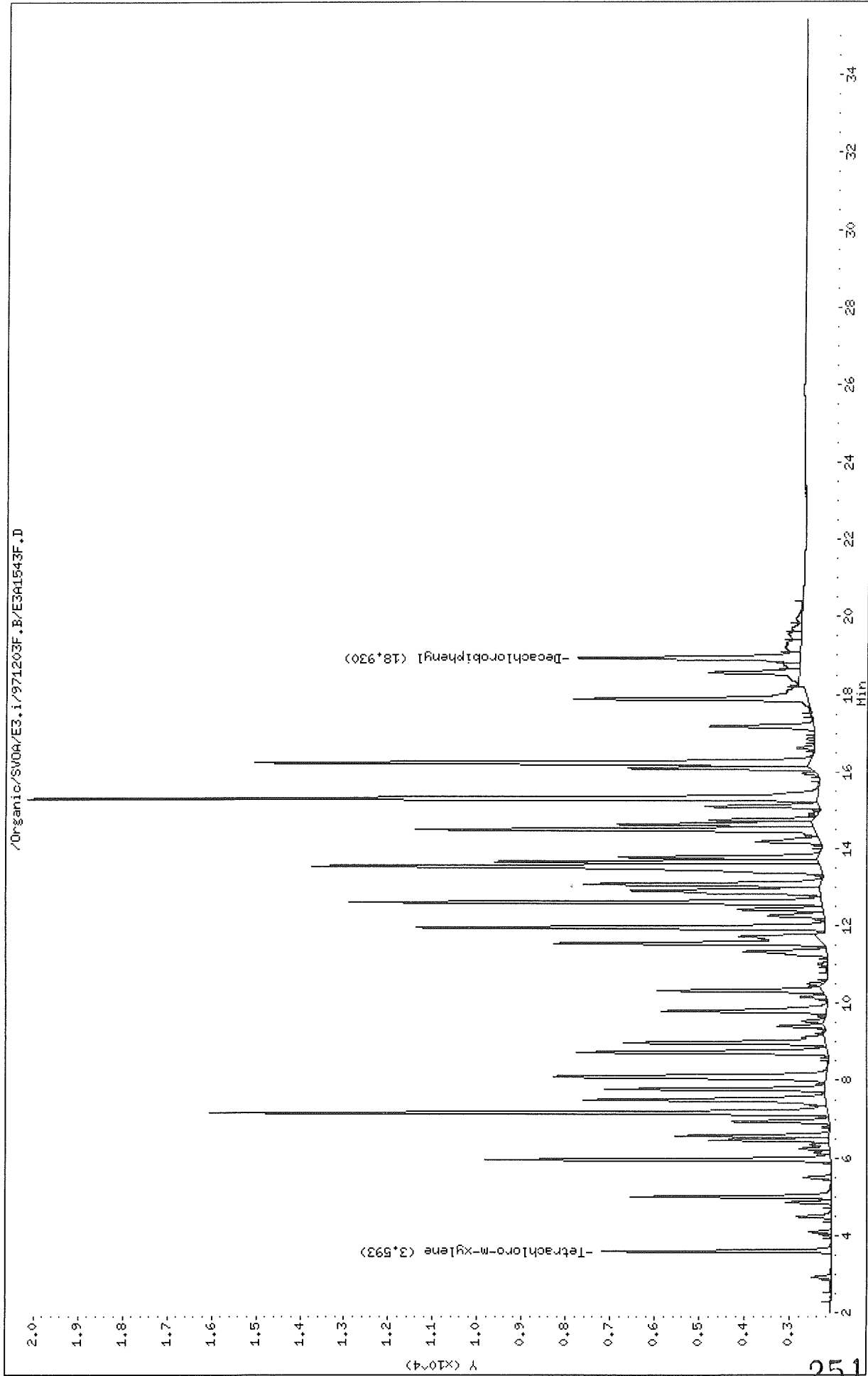
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

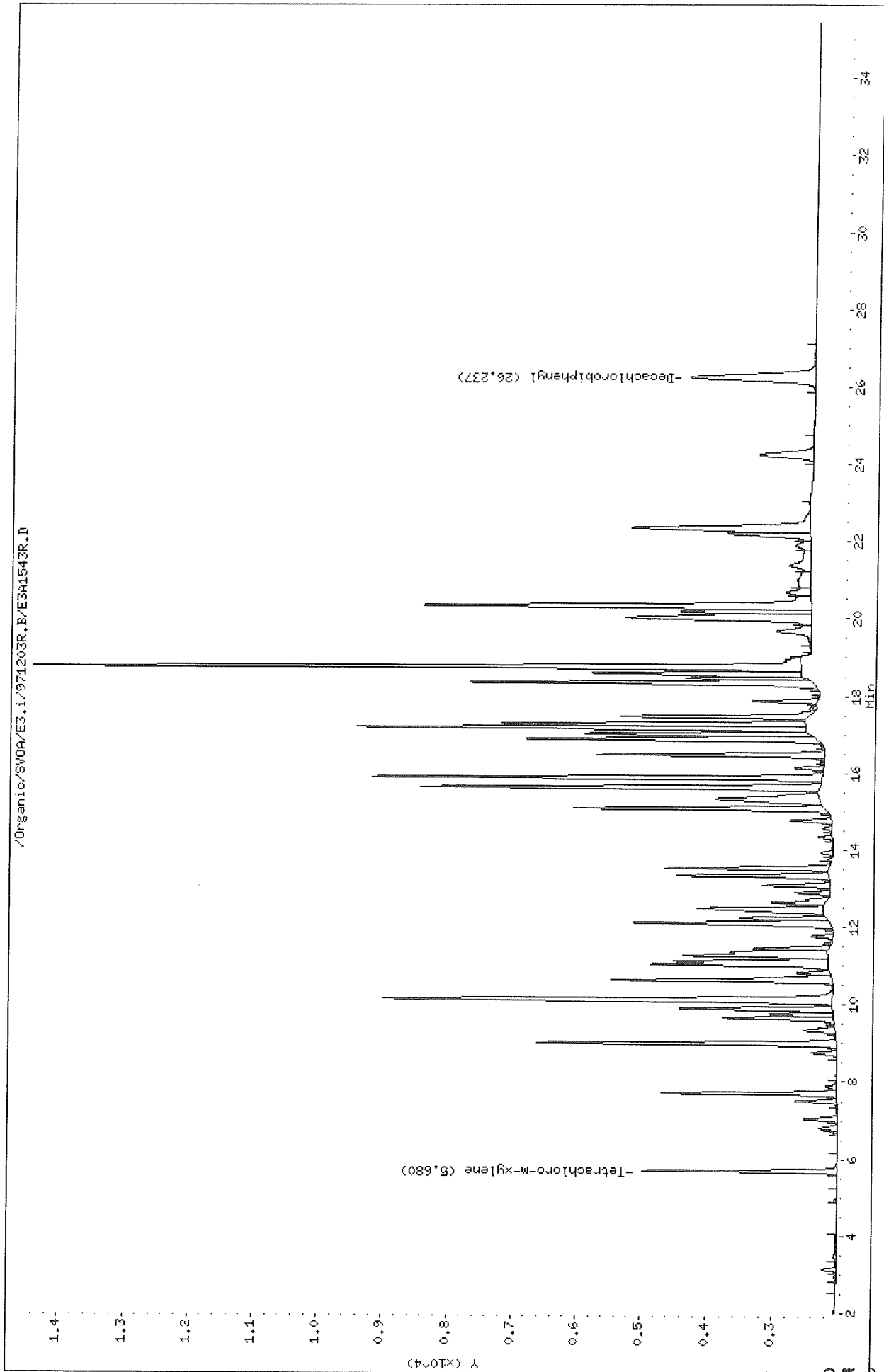
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.1/971203R.B/E3A1543R.D
Date: 04-DEC-1997 09:04
Client ID: ar1660D4
Sample Info: ar1660D4.ar1660D4..ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1543F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1543R.D
 Inj Date : 04-DEC-1997 09:04
 Sample Info: ar1660DA,ar1660DA,,ar1660.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 14:59
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	25000.000	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	3.593	5.680	5127	2972	0.0438	0.0404		100.00(a)
Aroclor-1016	5.953	8.987	7758	4581	2.22	2.10	80.00- 120.00	100.00
	6.563	9.887	3436	2316	2.18	2.07	24.49- 64.49	44.29
	7.157	10.110	13886	6889	2.17	2.00	157.24- 197.24	178.99
Average of Peak Amounts =					2.19	2.06		
Decachlorobiphenyl	18.930	26.237	4956	1874	0.0430	0.0456		100.00(a)
Aroclor-1260	14.490	18.330	8960	5248	2.14	2.35	80.00- 120.00	100.00
	15.293	18.730	17750	11796	2.12	2.30	179.01- 219.01	198.10
	16.230	20.317	12483	5924	2.10	2.34	120.84- 160.84	139.32
Average of Peak Amounts =					2.12	2.33		

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Data File: \Organic\SVOA\E3.i\971203F.B\E3A1543F.D
Report Date: 15-Dec-1997 14:37

QC Flag Legend

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

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1544F.D

Date : 04-DEC-1997 09:43

Client ID: C0GDA

Sample Info: C0GDA,C0GDA,,all.sub

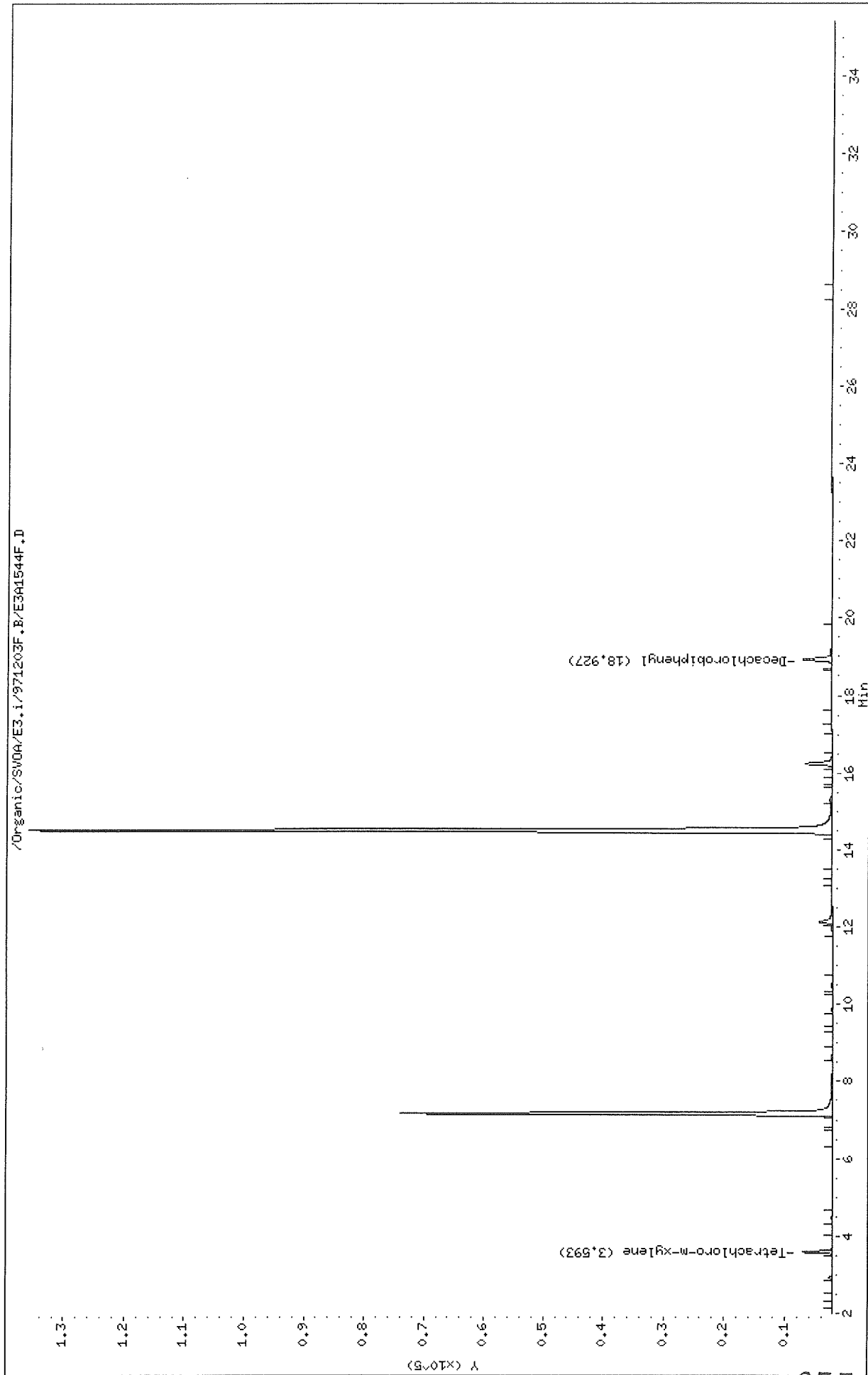
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.1

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1544R.D

Date: 04-DEC-1997 09:43

Client ID: C0GDA

Sample Info: C0GDA,C0GDA,,all,sub

Volume Injected (uL): 2.0

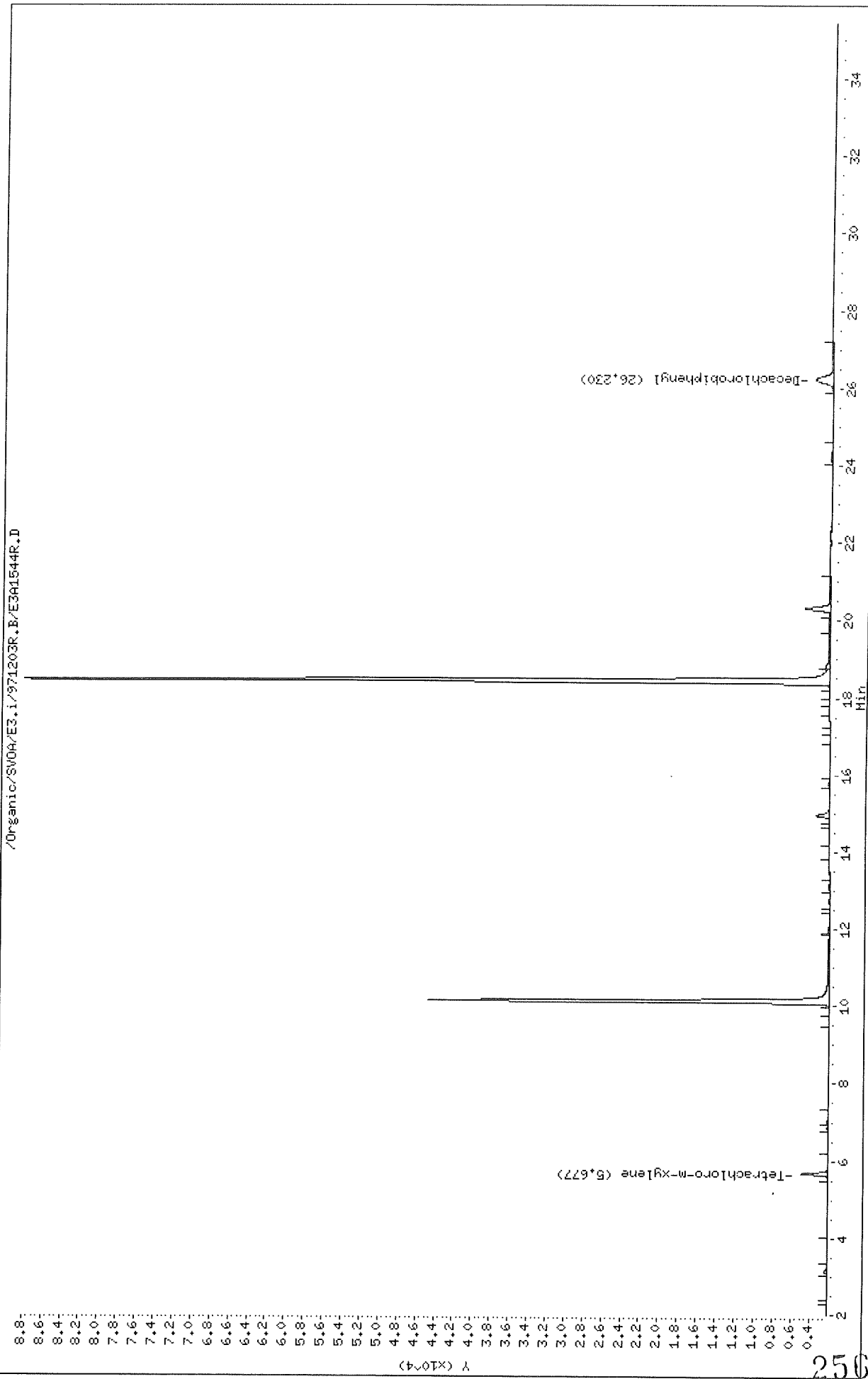
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SV0A/E3.i/971203R.B/E3A1544R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1544F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1544R.D
 Inj Date : 04-DEC-1997 09:43
 Sample Info: COGDA,COGDA,,all.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 08:06
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\PCBvhb-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	25000.000	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	3.593	5.677	4943	2842	0.0423	0.0386		100.00(a)
Decachlorobiphenyl	18.927	26.230	4696	1824	0.0407	0.0444		100.00(a)
2,4,4'-Trichlorobiphenyl	7.153	10.120	71880	42655	2.07	2.01		100.00
Hexachlorobiphenyl	14.483	18.433	133681	85911	2.07	2.03		100.00

QC Flag Legend

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

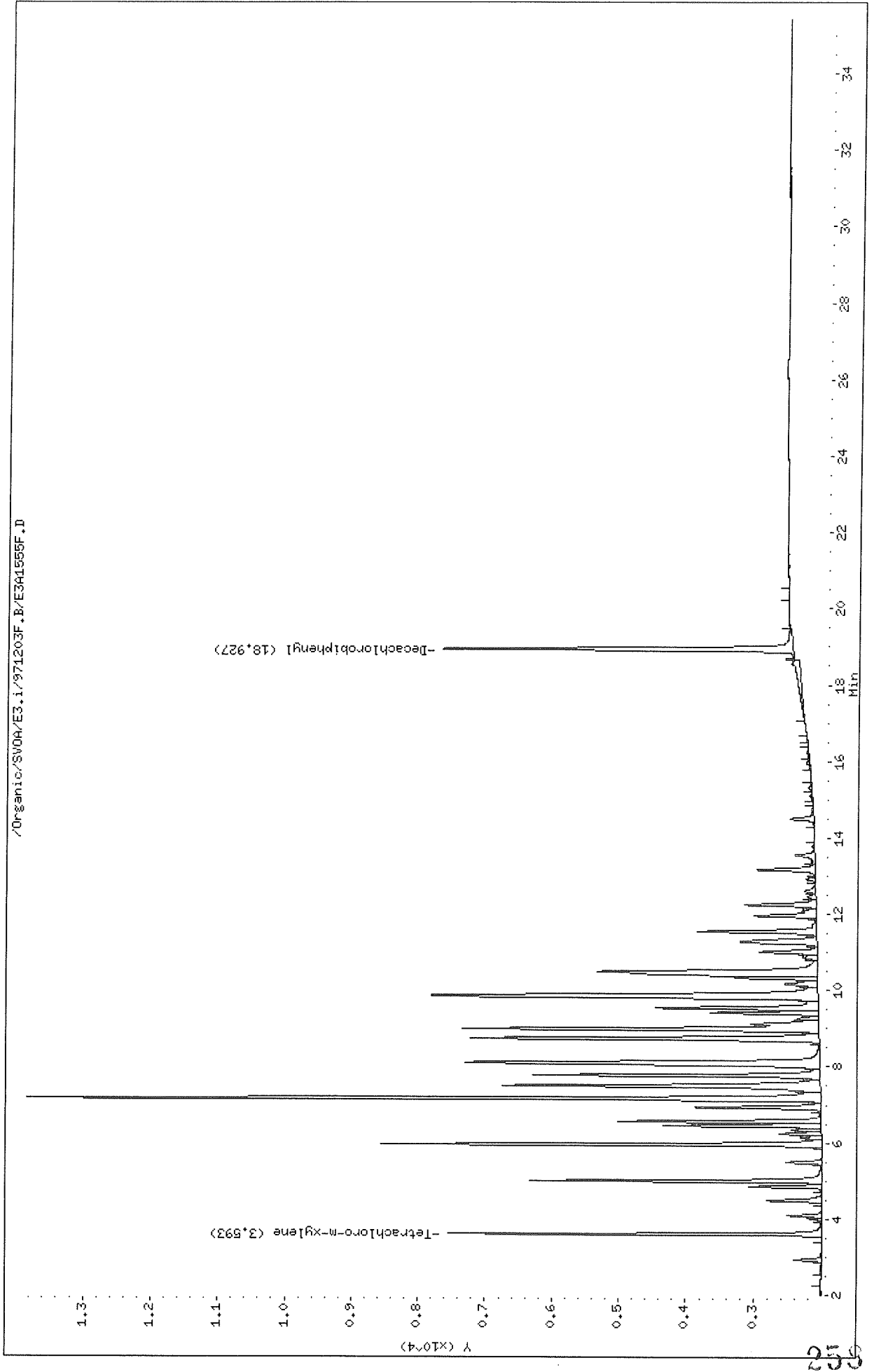
GL
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Data File: /Organic/SW04/E3.i/971203F.B/E3A1555F.D
Date : 04-DEC-1997 16:50
Client ID: ar1242DB
Sample Info: ar1242DB.ar1242DB,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i

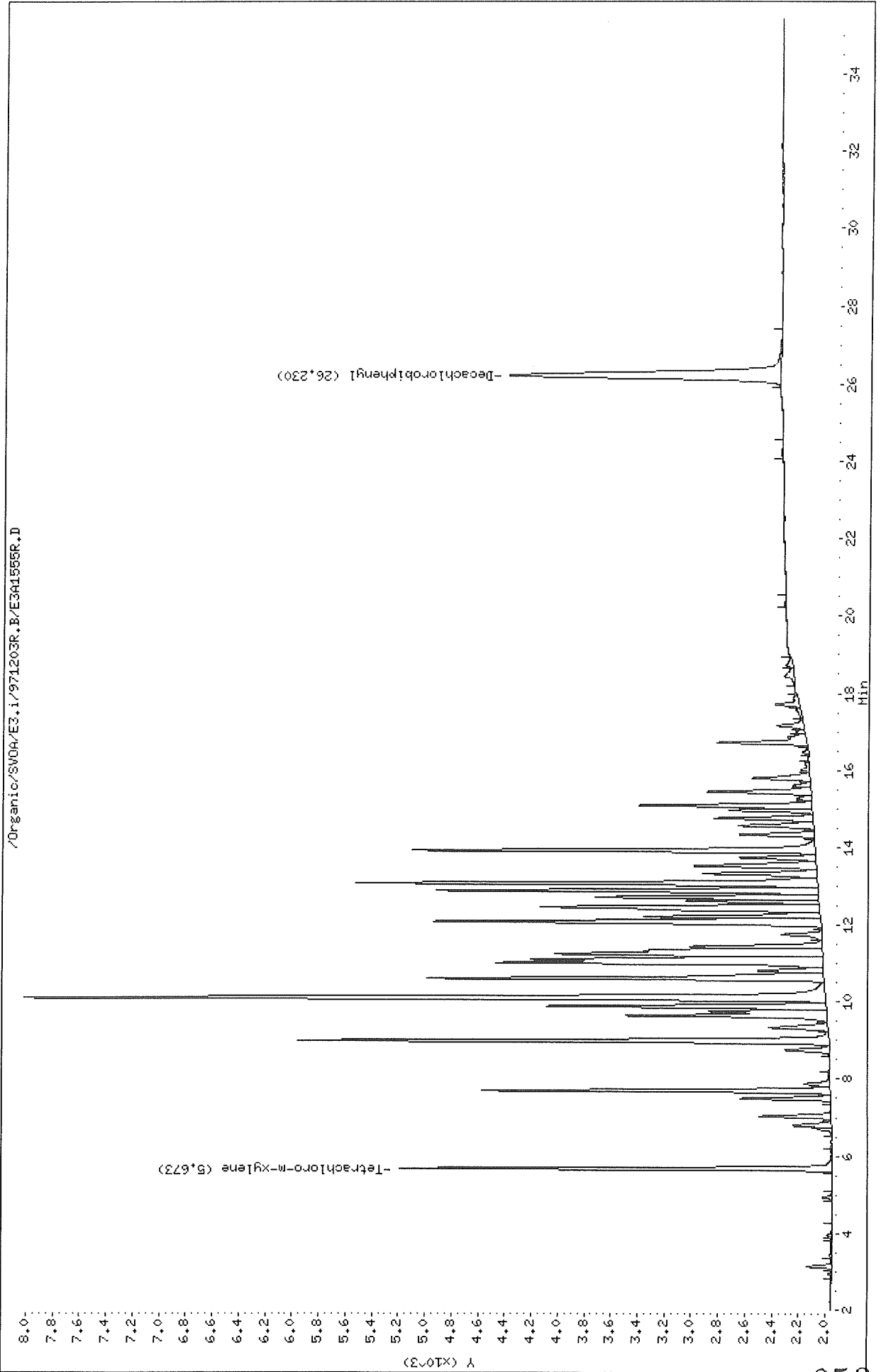
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E3A1555R.D
Date : 04-DEC-1997 16:50
Client ID: ar1242DB
Sample Info: ar1242DB,ar1242DB,,ar1242.sub
Volume Injected (ul): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1555F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1555R.D
 Inj Date : 04-DEC-1997 16:50
 Sample Info: ar1242DB,ar1242DB,,ar1242.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:01
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.593	5.673	5538	3246	0.0474	0.0441		100.00(a)
Aroclor-1242	5.953	8.980	6557	3989	2.52	2.41	80.00- 120.00	100.00
	7.157	10.107	11821	6018	2.47	2.31	157.04- 197.04	180.28
	8.093	12.090	5278	2898	2.54	2.42	59.99- 99.99	80.49
	8.730	12.883	5172	2857	2.53	2.38	57.89- 97.89	78.88
	9.847	13.070	5734	3459	2.44	2.36	65.32- 105.32	87.45
	Average of Peak Amounts =				2.50	2.38		
Decachlorobiphenyl	18.927	26.230	5187	2032	0.0450	0.0494		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/SV04/E3.i/971203F.B/E3A1956F.D

Date : 04-DEC-1997 17:28

Client ID: ar1248DB

Sample Info: ar1248DB.ar1248DB,,ar1248.sub

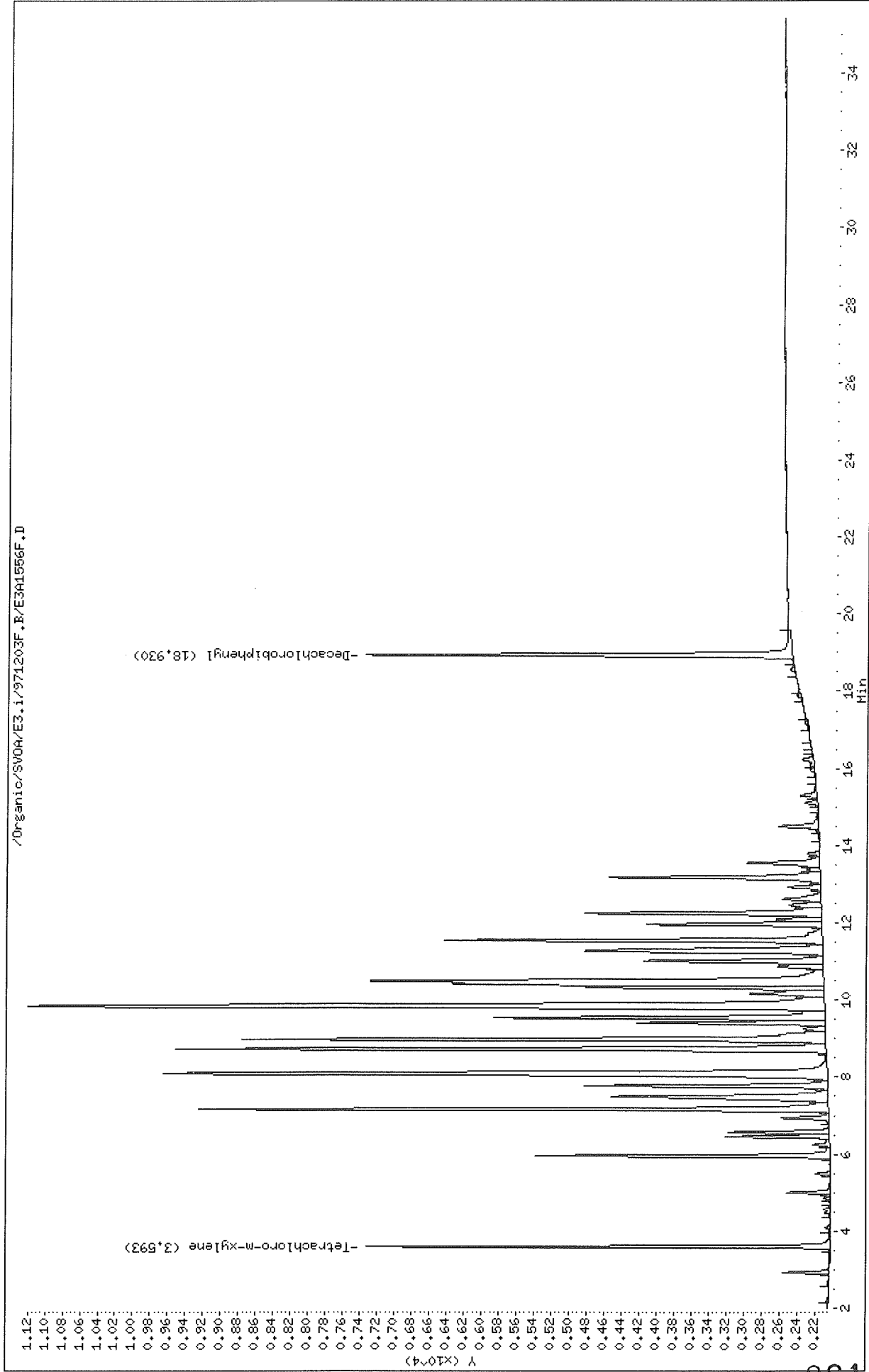
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

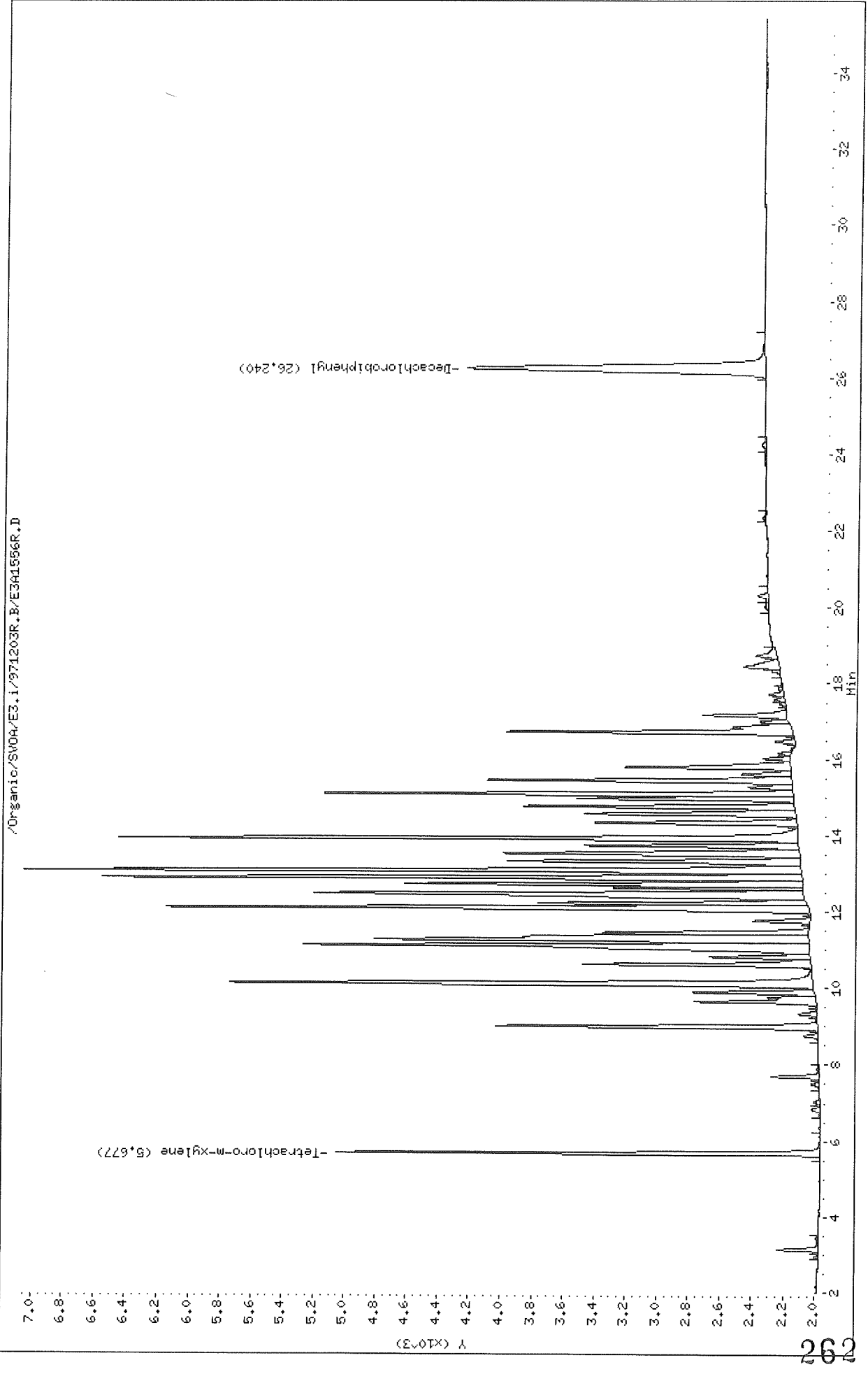
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SW04/E3.i/971203R.B/E3A1556R.D
Date : 04-DEC-1997 17:28
Client ID: ar1248DB
Sample Info: ar1248DB,ar1248DE,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1556F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1556R.D
 Inj Date : 04-DEC-1997 17:28
 Sample Info: ar1248DB,ar1248DB,,ar1248.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:01
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	Conc#2	Target Range	Ratio
					(ug/L)	(ug/L)		
Tetrachloro-m-xylene	3.593	5.677	5295	3082	0.0453	0.0418		100.00(a)
Aroclor-1248	8.730	12.470	7438	3126	2.13	2.02	80.00- 120.00	100.00
	8.973	12.883	6679	4461	2.09	1.99	69.62- 109.62	89.80
	9.837	13.073	9114	4960	2.01	1.96	101.12- 141.12	122.53
	Average of Peak Amounts =				2.08	1.99		
Decachlorobiphenyl	18.930	26.240	4882	1892	0.0424	0.0460		100.00(a)

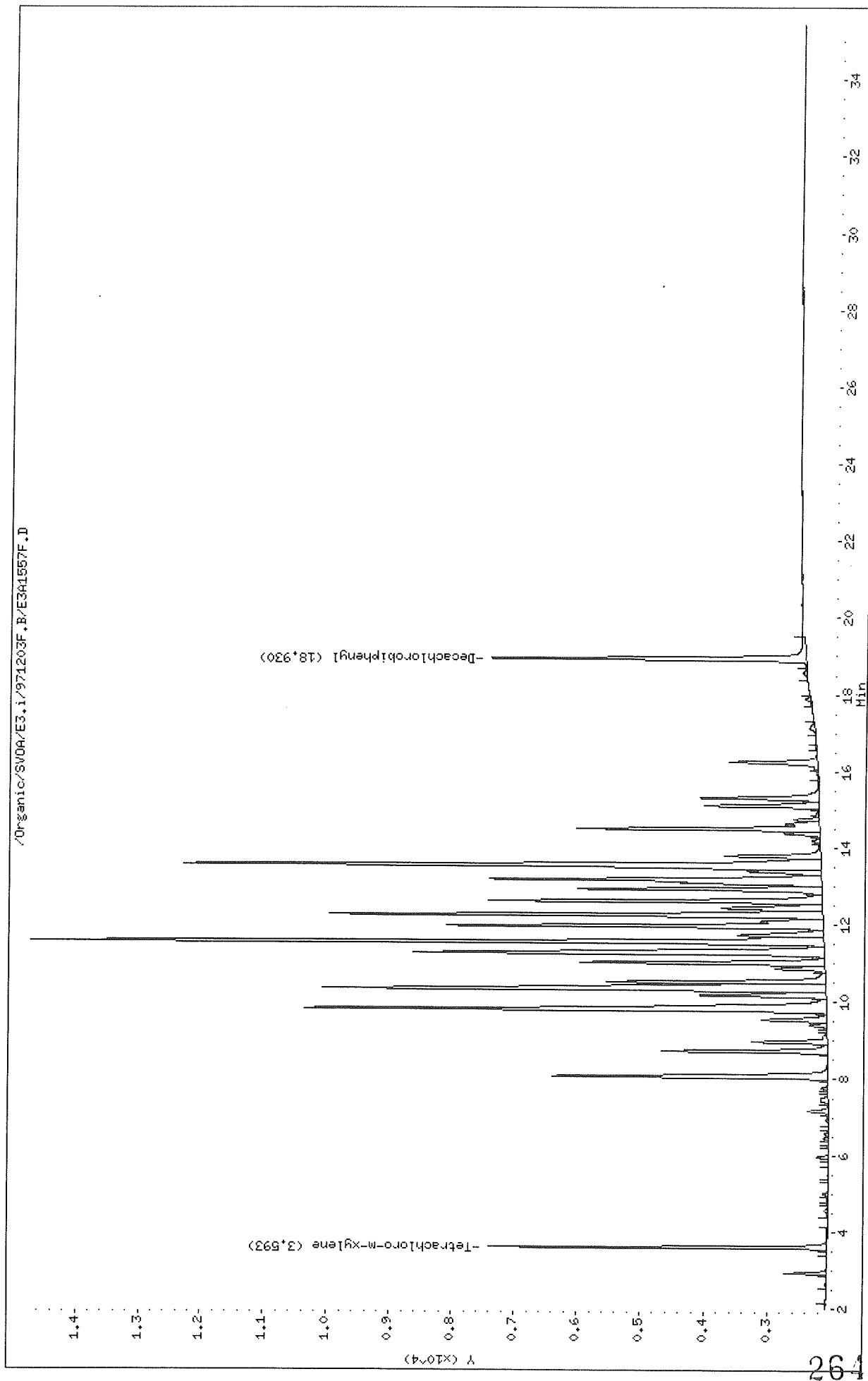
QC Flag Legend

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

GL
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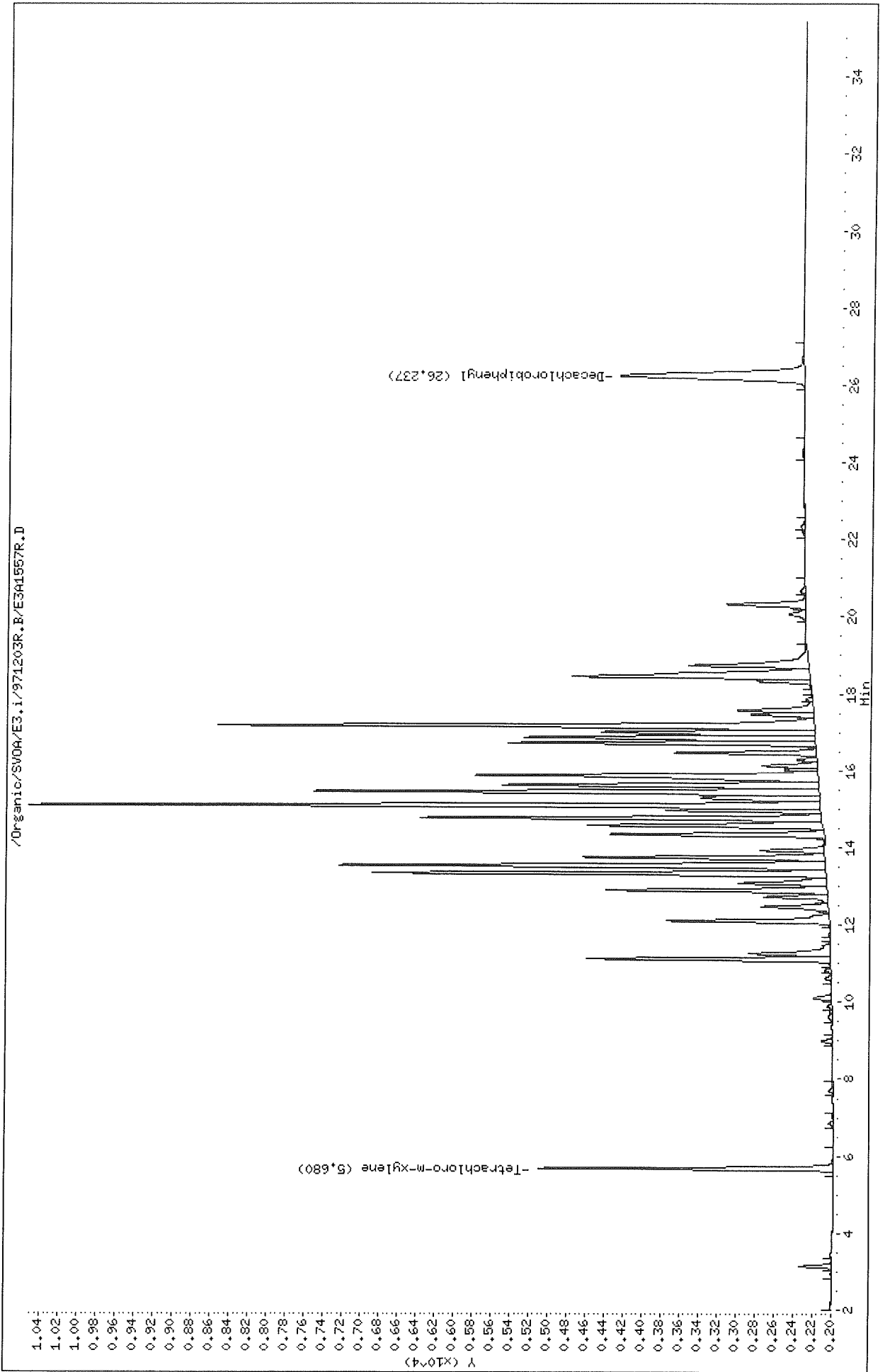
Data File: /Organic/SV0A/E3.1/971203F.B/E3R1557F.D
Date : 04-DEC-1997 18:06
Client ID: ar1254DB
Sample Info: ar1254DB.ar1254DB,,ar1254.sub
Volume Injected (ul): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E341557R.D
Date : 04-DEC-1997 18:06
Client ID: ar1254DB
Sample Info: ar1254DB.ar1254DB,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1557F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1557R.D
 Inj Date : 04-DEC-1997 18:06
 Sample Info: ar1254DB,ar1254DB,,ar1254.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:01
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.593	5.680	5366	3108	0.0459	0.0422		100.00 (a)
Decachlorobiphenyl	18.930	26.237	4960	1944	0.0430	0.0473		100.00 (a)
Aroclor-1254	10.327	14.757	7996	4244	2.42	2.29	80.00- 120.00	100.00
	11.260	15.080	6524	8405	2.36	2.31	61.32- 101.32	81.59
	11.543	15.437	12600	5367	2.32	2.25	138.73- 178.73	157.58
	12.243	16.713	7827	3260	2.21	2.27	76.92- 116.92	97.89
	13.543	17.160	10109	6342	2.31	2.44	106.42- 146.42	126.43
Average of Peak Amounts =					2.32	2.31		

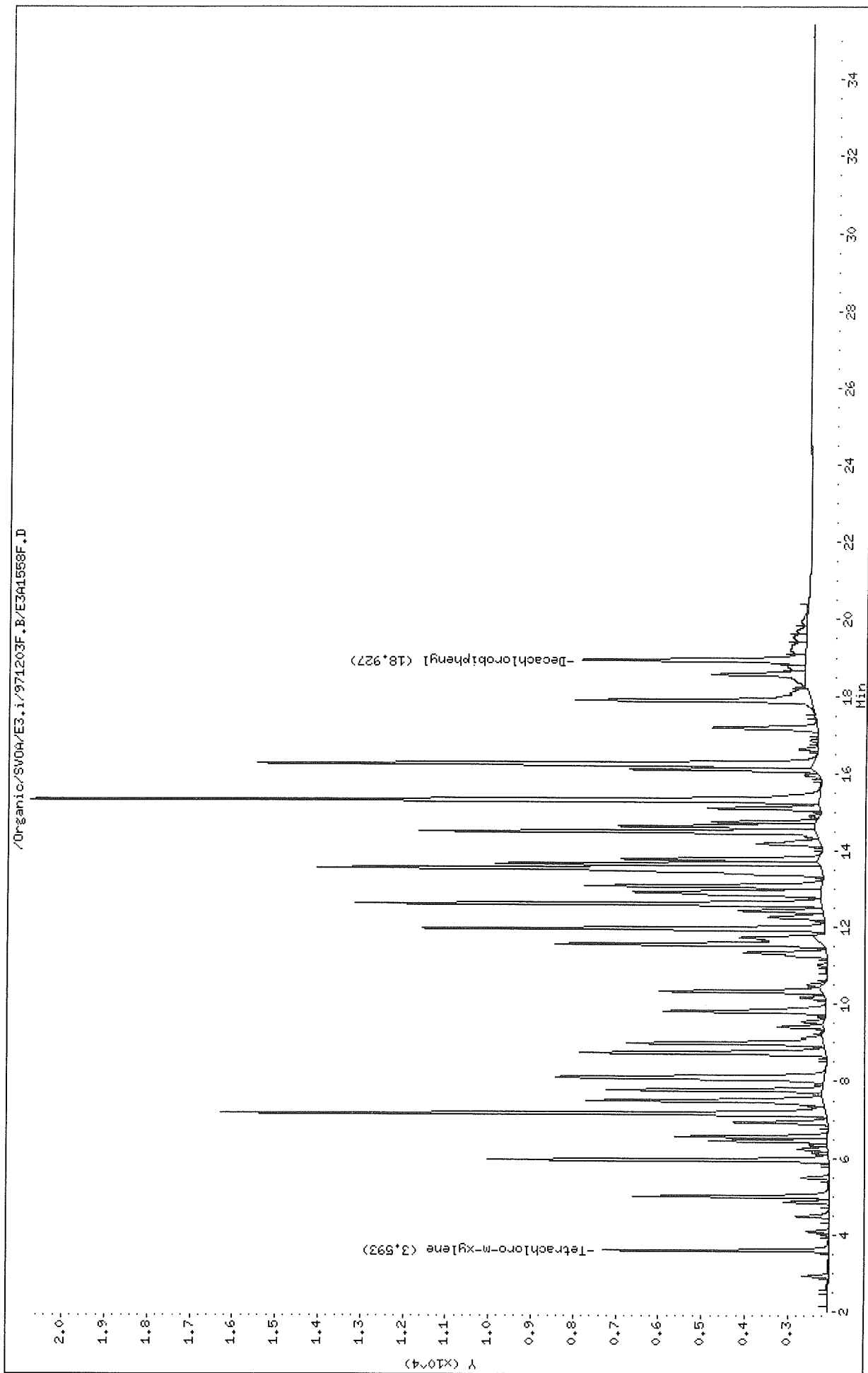
QC Flag Legend

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

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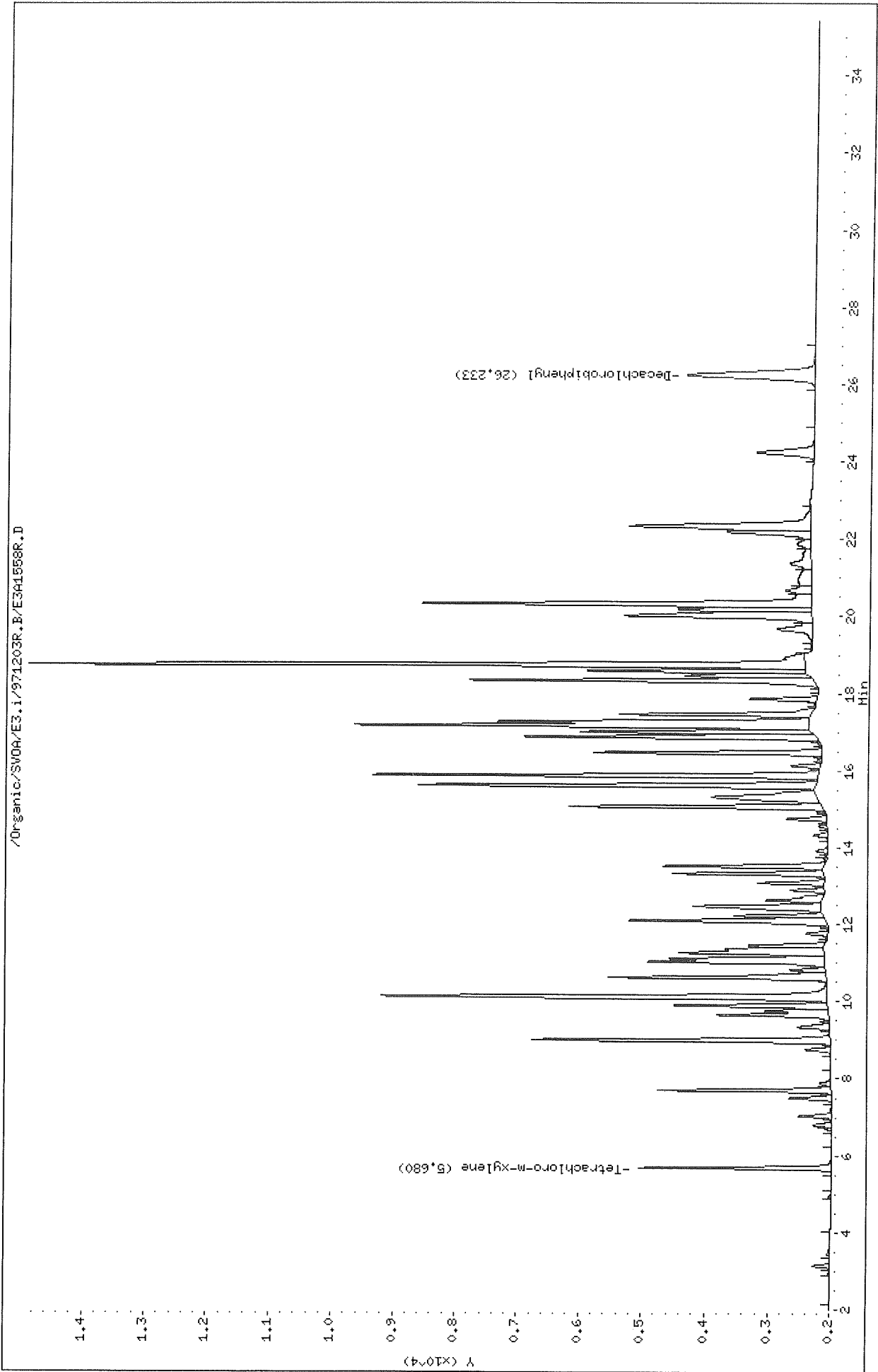
Data File: /Organic/SV0A/E3.i/971203F.B/E3A1568F.D
Date : 04-DEC-1997 18:44
Client ID: ar1660DB
Sample Info: ar1660DB,ar1660DB,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1558R.D
Date : 04-DEC-1997 18:44
Client ID: ar1660DB
Sample Info: ar1660DB,ar1660DB,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1558F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1558R.D
 Inj Date : 04-DEC-1997 18:44
 Sample Info: ar1660DB,ar1660DB,,ar1660.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:01
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-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	3.593	5.680	5233	3063	0.0447	0.0416		100.00 (a)
Aroclor-1016	5.950	8.987	7973	4768	2.29	2.20	80.00- 120.00	100.00
	6.563	9.887	3523	2440	2.24	2.20	24.49- 64.49	44.19
	7.153	10.110	14173	7151	2.21	2.08	157.24- 197.24	177.76
Average of Peak Amounts =					2.25	2.16		
Decachlorobiphenyl	18.927	26.233	5211	2017	0.0452	0.0491		100.00 (a)
Aroclor-1260	14.490	18.330	9292	5495	2.23	2.46	80.00- 120.00	100.00
	15.297	18.730	18455	12428	2.21	2.43	179.01- 219.01	198.61
	16.233	20.313	12993	6219	2.19	2.47	120.84- 160.84	139.83
Average of Peak Amounts =					2.21	2.45		

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Data File: \Organic\SVOA\E3.i\971203F.B\E3A1558F.D
Report Date: 15-Dec-1997 14:38

QC Flag Legend

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

Data File: /Organic/SV00A/E3.i/971203F.B/E3A1559F.D

Date : 04-DEC-1997 19:22

Client ID: COGDA

Sample Info: COGDA,COGDA,,all.sub

Volume Injected (uL): 2.0

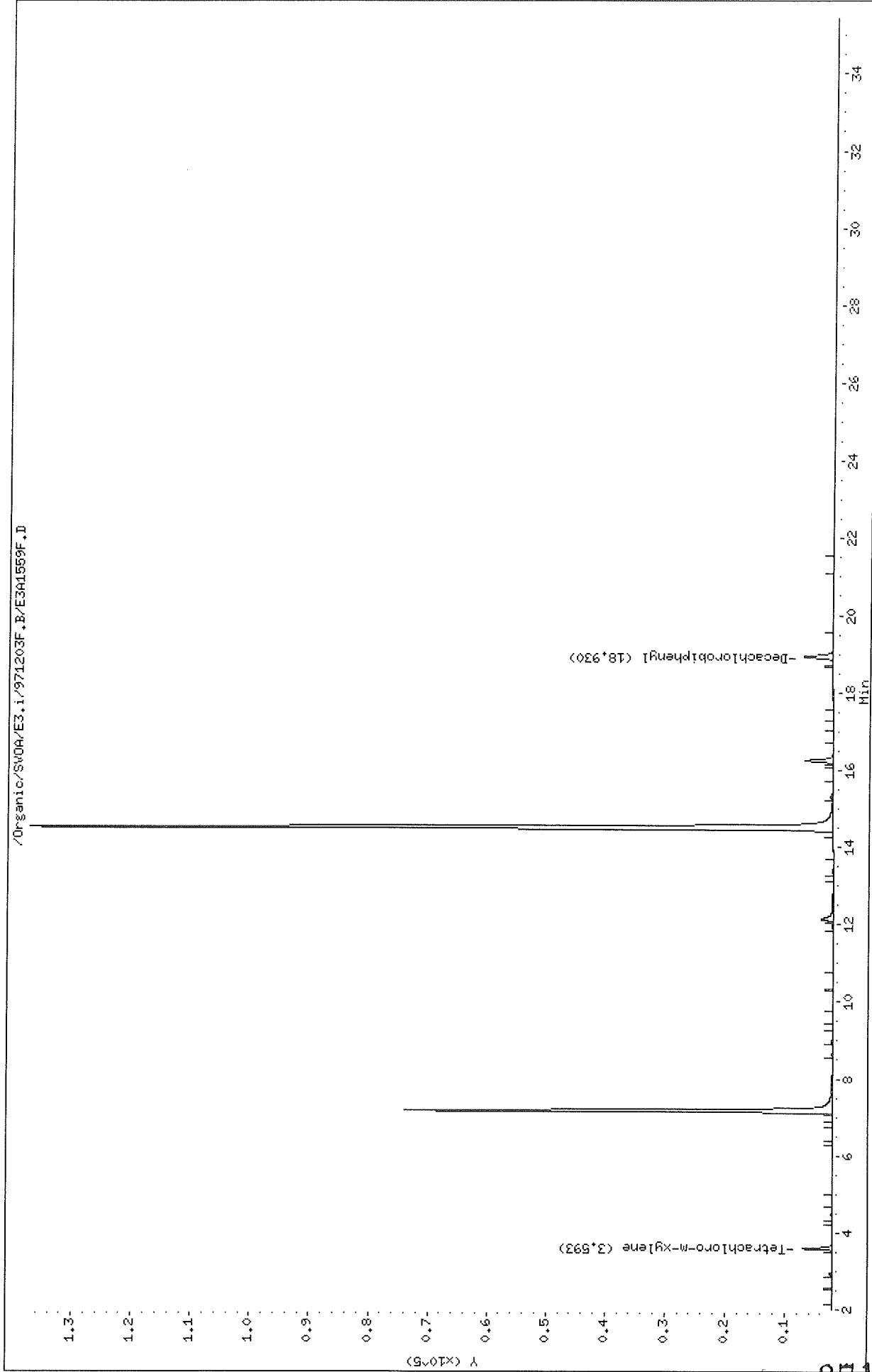
Column phase: DB-1701

Instrument: E3.i

Operator: jfs

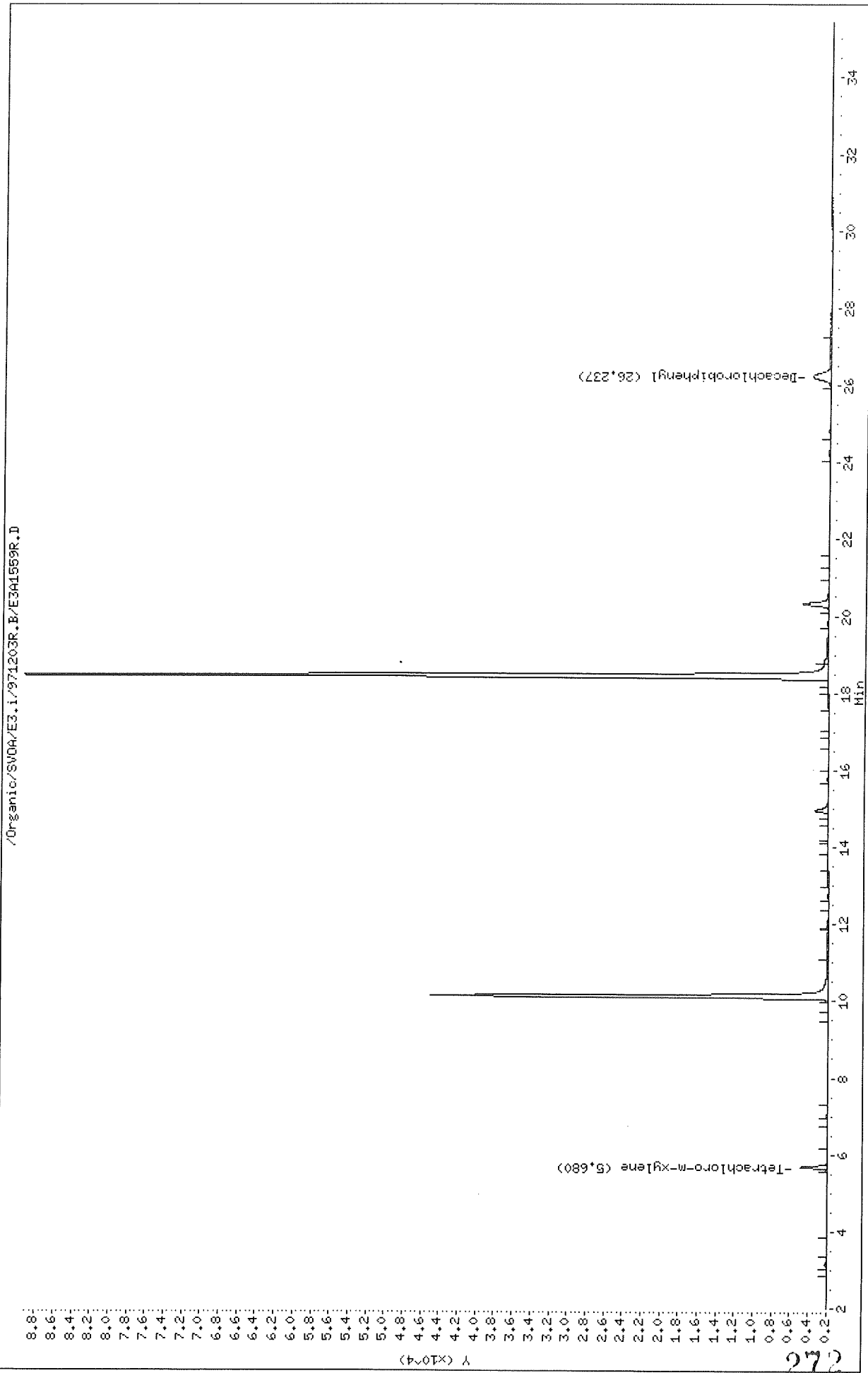
Column diameter: 0.53

/Organic/SV00A/E3.i/971203F.B/E3A1559F.D



Data File: /Organic/SV0A/E3.1/971203R.B/E3A1559R.D
Date: 04-DEC-1997 19:22
Client ID: C06D4
Sample Info: C06D4,C06D4,,all.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1559F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1559R.D
 Inj Date : 04-DEC-1997 19:22
 Sample Info: COGDA,COGDA,,all.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 08:52
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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
Tetrachloro-m-xylene	3.593	5.680	5026	2924	0.0430	0.0397		100.00(a)
Decachlorobiphenyl	18.930	26.237	4843	1889	0.0420	0.0460		100.00(a)
2,4,4'-Trichlorobiphenyl	7.157	10.120	71890	43036	2.07	2.02		100.00
Hexachlorobiphenyl	14.487	18.437	135154	87257	2.09	2.06		100.00

QC Flag Legend

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

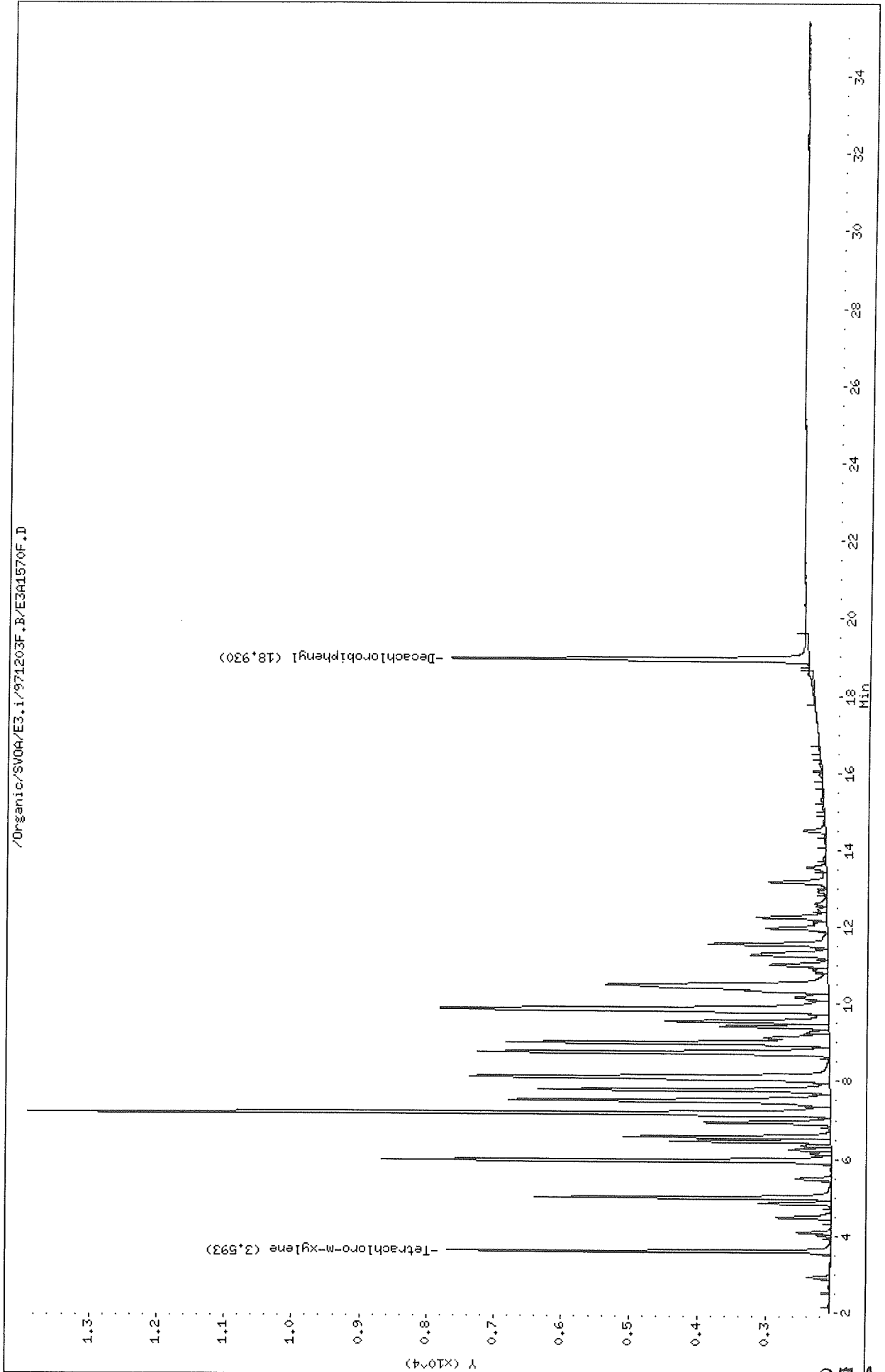
GL
 12/15/97

Data File: /Organic/SV04/E3.1/971203F.B/E3A1570F.D
Date : 05-DEC-1997 02:20
Client ID: ar1242DC
Sample Info: ar1242DC.ar1242DC,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i

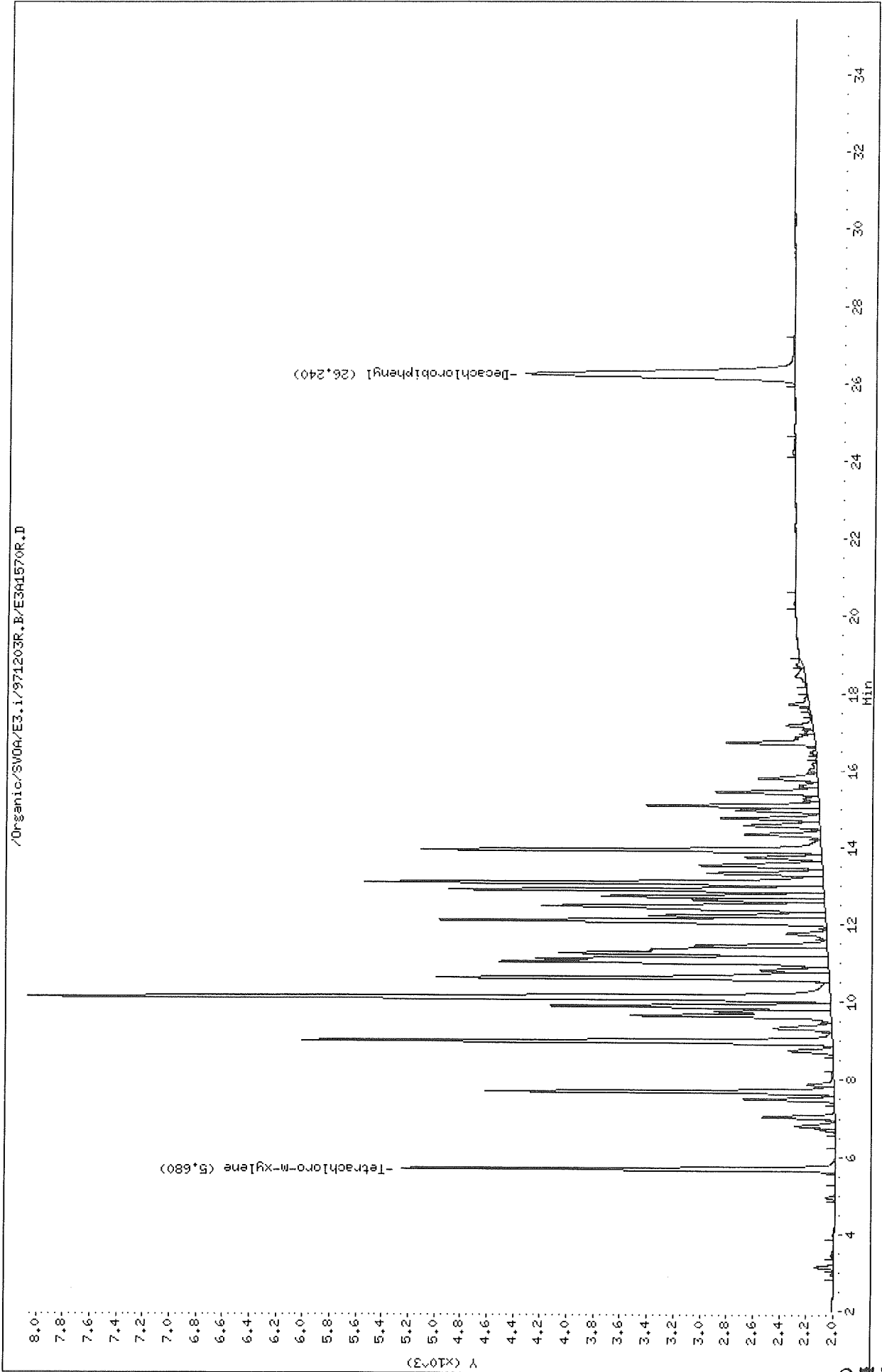
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E341570R.D
Date : 05-DEC-1997 02:20
Client ID: ar1242DC
Sample Info: ar1242DC,ar1242DC,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1570F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1570R.D
 Inj Date : 05-DEC-1997 02:20
 Sample Info: ar1242DC,ar1242DC,,ar1242.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:03
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.593	5.680	5656	3262	0.0484	0.0443		100.00 (a)
Aroclor-1242	5.953	8.987	6632	4004	2.55	2.42	80.00- 120.00	100.00
	7.157	10.113	11840	6045	2.48	2.32	157.04- 197.04	178.53
	8.097	12.093	5307	2916	2.55	2.44	59.99- 99.99	80.02
	8.730	12.887	5170	2824	2.53	2.35	57.89- 97.89	77.96
	9.847	13.073	5711	3464	2.43	2.37	65.32- 105.32	86.11
	Average of Peak Amounts =				2.51	2.38		
Decachlorobiphenyl	18.930	26.240	5243	2022	0.0455	0.0492		100.00 (a)

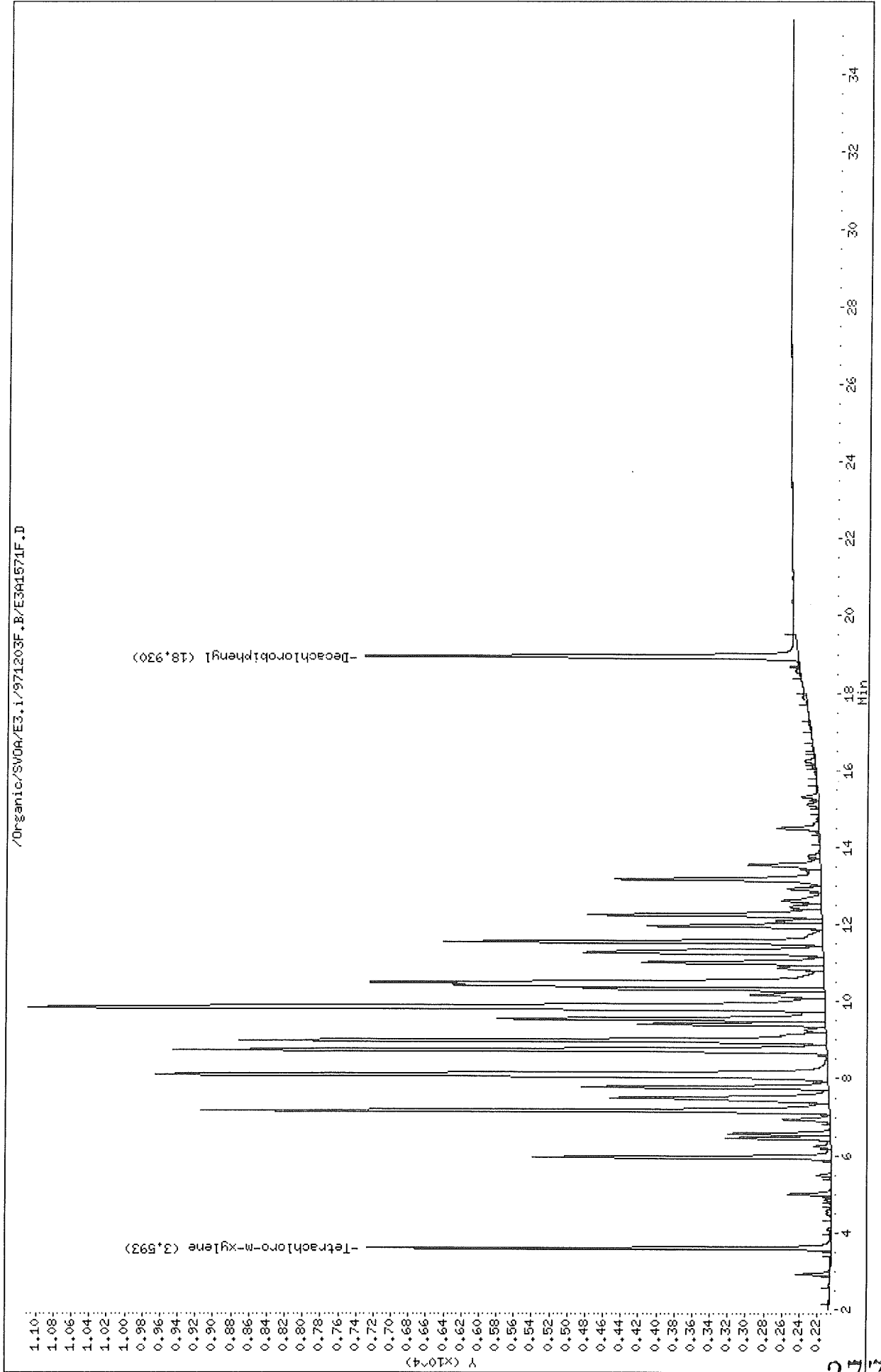
QC Flag Legend

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

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Data File: /Organic/SW04/E3.1/971203F.B/E341571F.D
Date : 05-DEC-1997 02:58
Client ID: ar1248DC
Sample Info: ar1248DC,ar1248DC,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

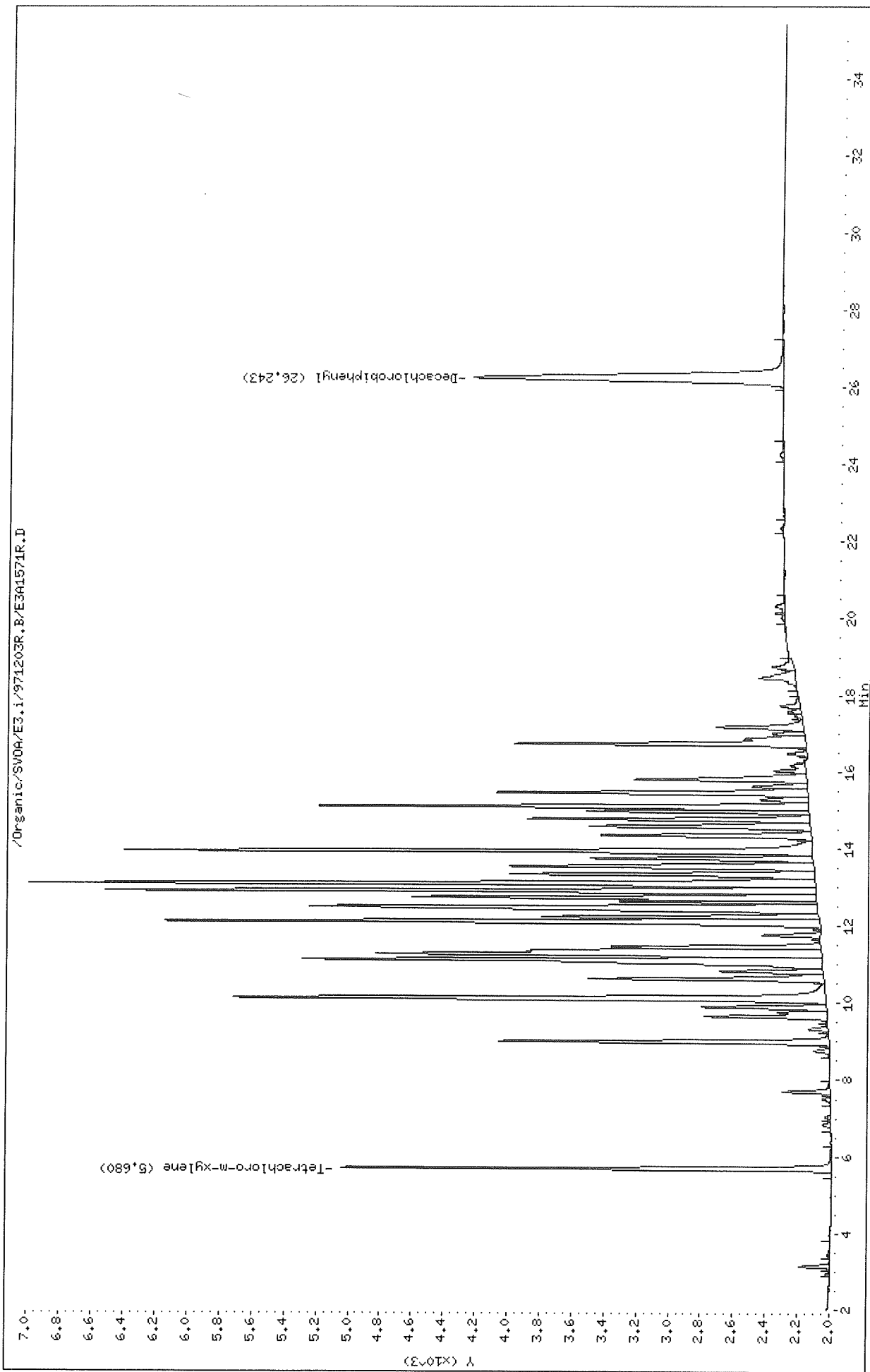
Instrument: E3.1
Operator: jfs
Column diameter: 0.53



7.72

Data File: /Organic/SV04/E3.1/971203R.B/E3A1571R.D
Date : 05-DEC-1997 02:58
Client ID: ar1248DC
Sample Info: ar1248DC,ar1248DC,,ar1248.sub
Volume Injected (uL): 2.0
Column Phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1571F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1571R.D
 Inj Date : 05-DEC-1997 02:58
 Sample Info: ar1248DC,ar1248DC,,ar1248.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:03
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.593	5.680	5217	3053	0.0446	0.0414		100.00(a)
Aroclor-1248	8.730	12.473	7362	3165	2.10	2.05	80.00- 120.00	100.00
	8.977	12.890	6611	4427	2.06	1.97	69.62- 109.62	89.80
	9.833	13.077	8978	4899	1.98	1.94	101.12- 141.12	121.95
	Average of Peak Amounts =				2.05	1.99		
Decachlorobiphenyl	18.930	26.243	4884	1918	0.0424	0.0466		100.00(a)

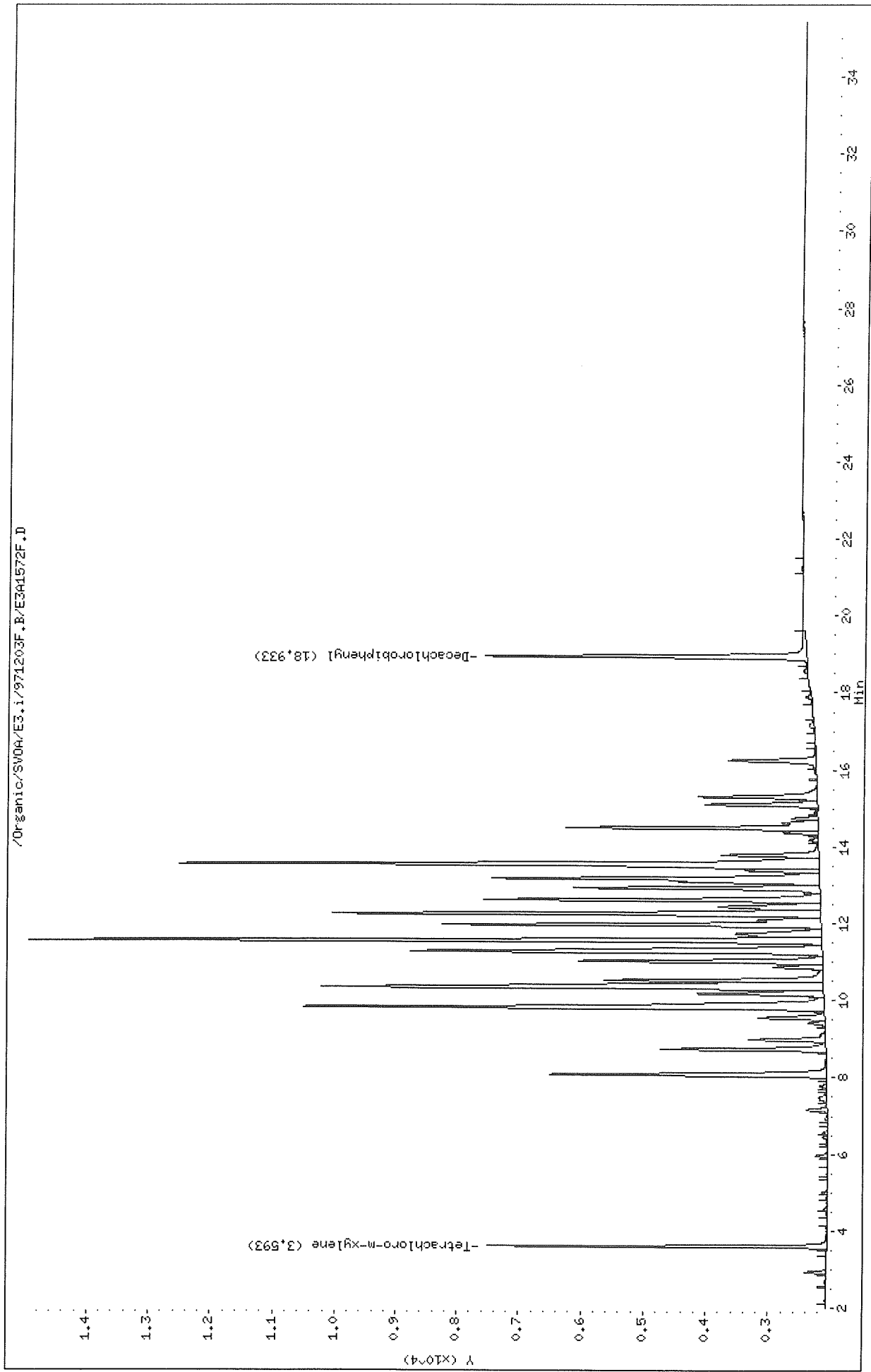
QC Flag Legend

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

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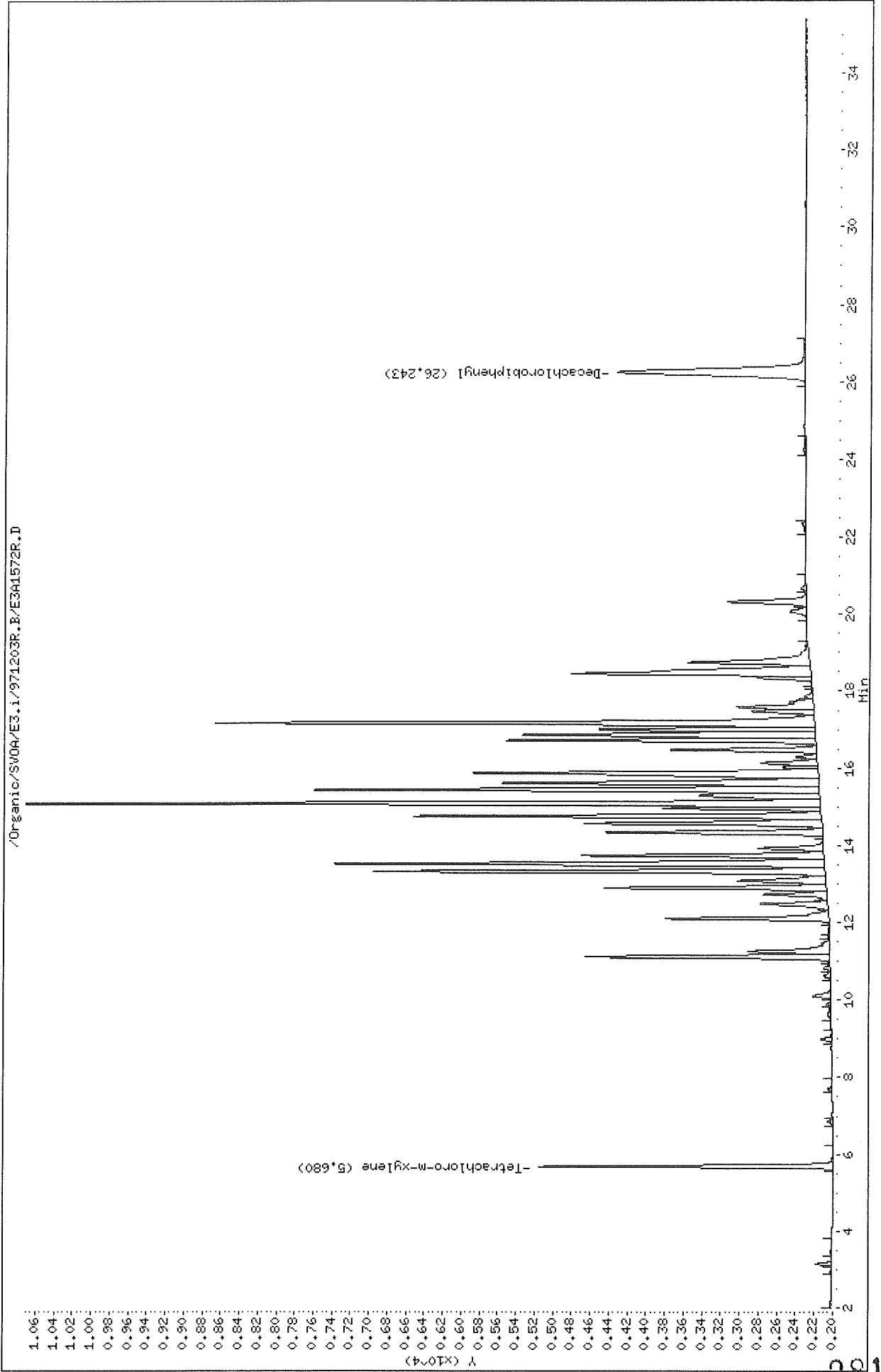
Data File: /Organic/SWDH/E3.1/971203F.B/E3A1572F.D
Date: 05-DEC-1997 03:36
Client ID: ar1254DC
Sample Info: ar1254DC.ar1254DC,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SW04/E3.i/971203R.B/E3A1572R.D
Date : 05-DEC-1997 03:36
Client ID: ar1254DC
Sample Info: ar1254DC.ar1254DC,,ar1254.sub
Volume Injected (ul): 2.0
Column Phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1572F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1572R.D
 Inj Date : 05-DEC-1997 03:36
 Sample Info: ar1254DC,ar1254DC,,ar1254.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:03
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\3PCBvhb-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	3.593	5.680	5436	3151	0.0465	0.0428		100.00(a)
Decachlorobiphenyl	18.933	26.243	5151	2012	0.0447	0.0489		100.00(a)
Aroclor-1254	10.330	14.757	8111	4382	2.46	2.37	80.00- 120.00	100.00
	11.263	15.080	6622	8568	2.39	2.36	61.32- 101.32	81.64
	11.547	15.437	12790	5441	2.36	2.28	138.73- 178.73	157.69
	12.243	16.717	7889	3323	2.22	2.31	76.92- 116.92	97.26
	13.547	17.163	10321	6472	2.36	2.49	106.42- 146.42	127.25
	Average of Peak Amounts =				2.36	2.36		

QC Flag Legend

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

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Data File: /Organic/SV004/E3.i/971203F.B/E3A1573F.D

Date : 05-DEC-1997 04:14

Client ID: ar1660DC

Sample Info: ar1660DC,ar1660DC,ar1660.sub

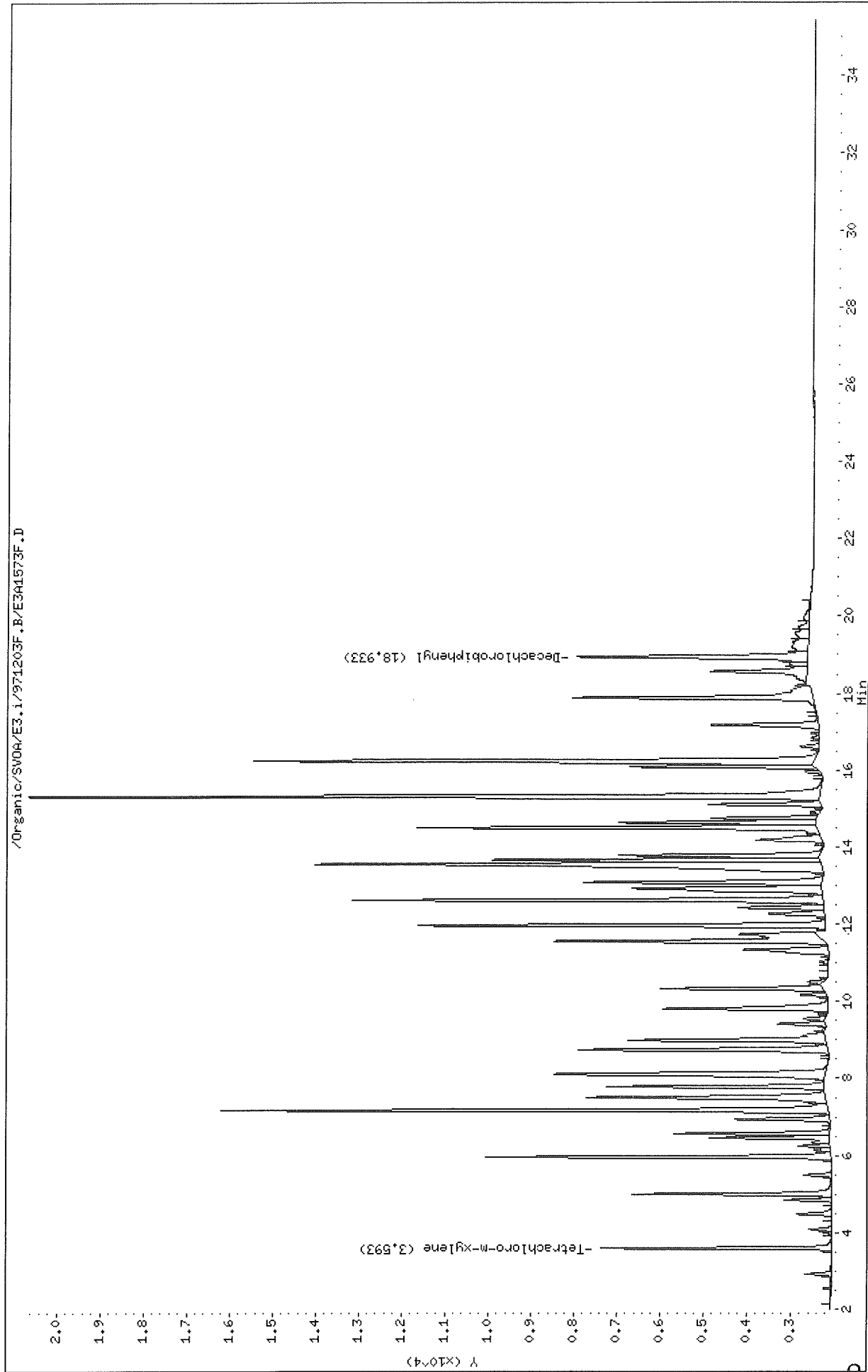
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

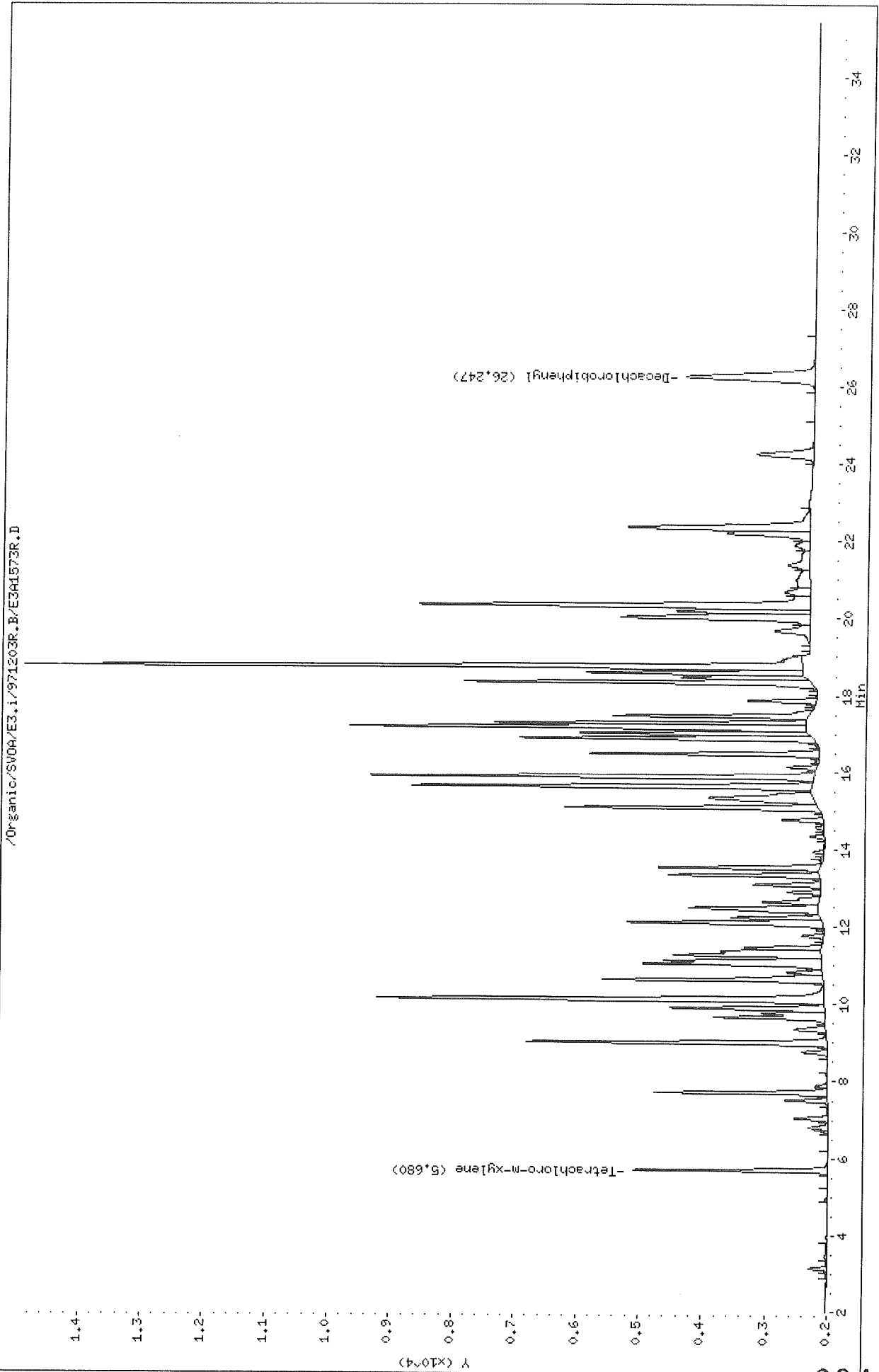
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E301573R.D
Date: 05-DEC-1997 04:14
Client ID: ar1660DC
Sample Info: ar1660DC,ar1660DC,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1573F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1573R.D
 Inj Date : 05-DEC-1997 04:14
 Sample Info: ar1660DC,ar1660DC,,ar1660.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:03
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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		Resp		Conc#1	Conc#2	Target Range	Ratio
	#1	#2	#1	#2	(ug/L)	(ug/L)		
Tetrachloro-m-xylene	3.593	5.680	5320	3089	0.0455	0.0419		100.00(a)
Aroclor-1016	5.953	8.990	7989	4778	2.30	2.20	80.00- 120.00	100.00
	6.563	9.890	3558	2445	2.27	2.20	24.49- 64.49	44.54
	7.157	10.113	14053	7153	2.19	2.08	157.24- 197.24	175.90
	Average of Peak Amounts =				2.25	2.16		
Decachlorobiphenyl	18.933	26.247	5312	2021	0.0461	0.0492		100.00(a)
Aroclor-1260	14.493	18.333	9257	5535	2.22	2.48	80.00- 120.00	100.00
	15.300	18.737	18317	12440	2.20	2.43	179.01- 219.01	197.87
	16.237	20.323	12965	6240	2.19	2.48	120.84- 160.84	140.06
	Average of Peak Amounts =				2.20	2.46		

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Data File: \Organic\SVOA\E3.i\971203F.B\E3A1573F.D
Report Date: 15-Dec-1997 14:38

QC Flag Legend

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

Data File: /Organic/SV004/E3.i/971203F.B/E3H1574F.D

Date : 05-DEC-1997 04:52

Client ID: COGDB

Sample Info: COGDB,COGDB,,all.sub

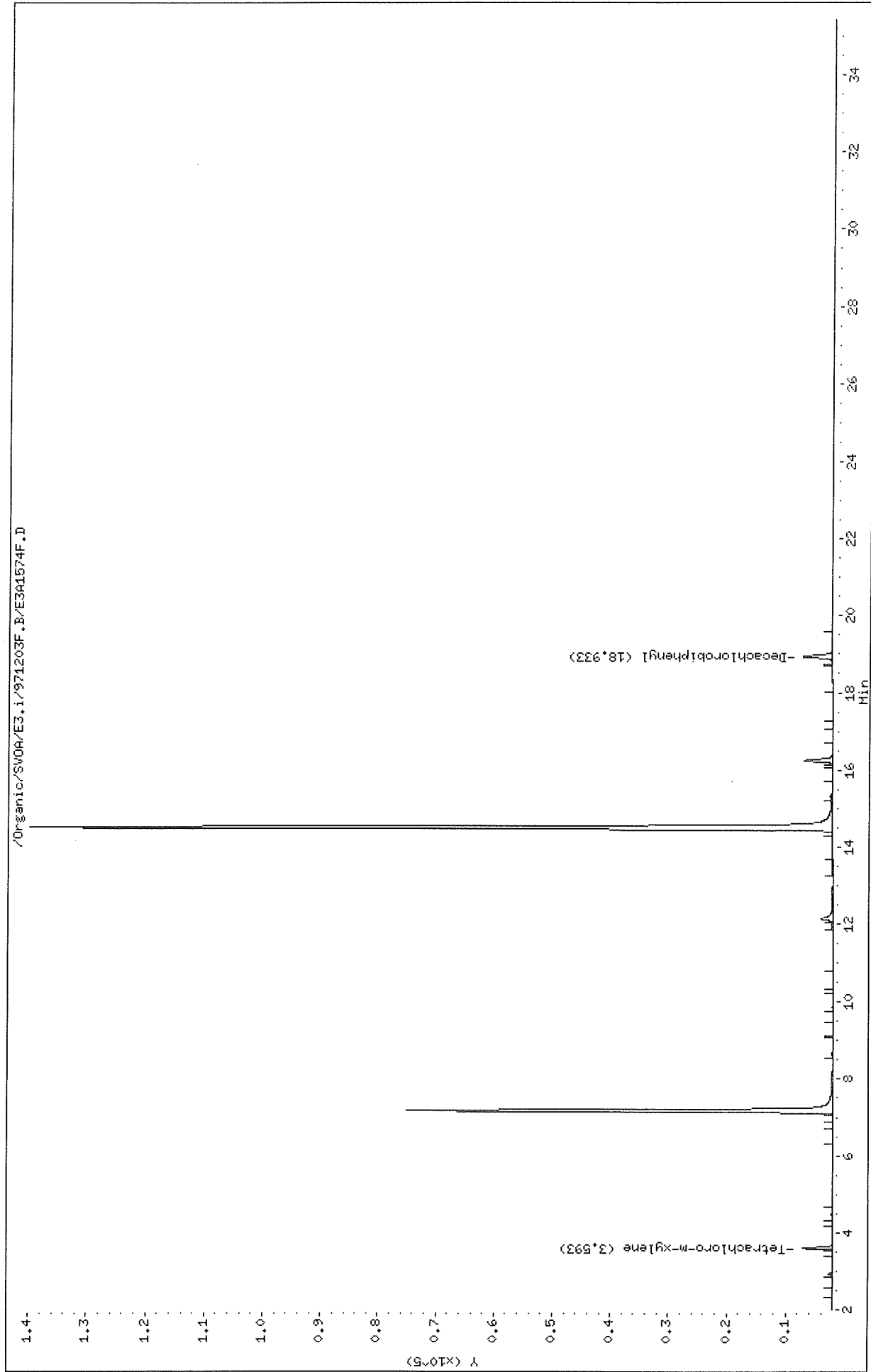
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

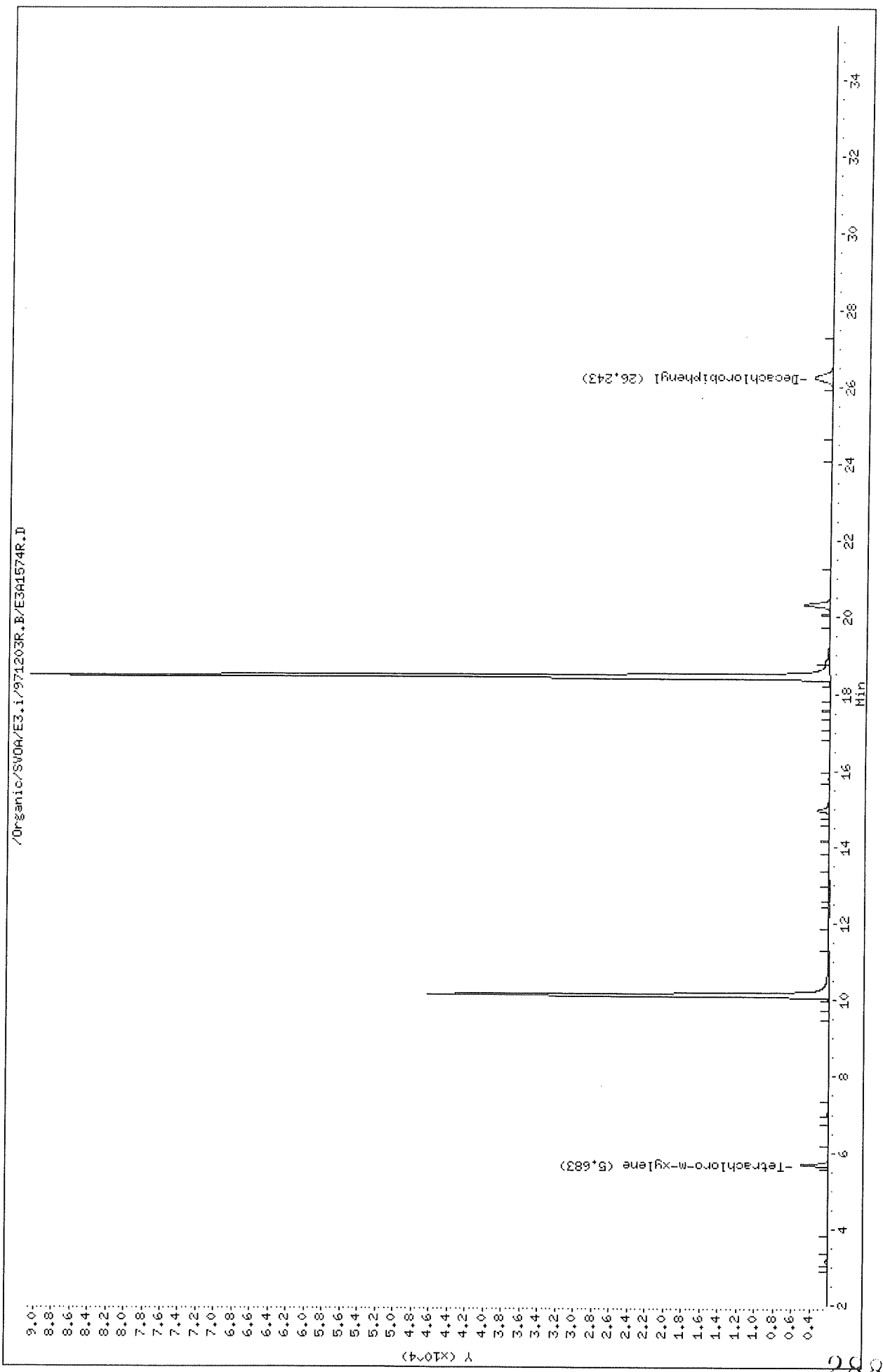
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E3A1574R.D
Date : 05-DEC-1997 04:52
Client ID: C0GDB
Sample Info: C0GDB,C0GDB,,all.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1574F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1574R.D
 Inj Date : 05-DEC-1997 04:52
 Sample Info: COGDB,COGDB,,all.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 09:02
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\PCBvhb-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	25000.000	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	3.593	5.683	5134	2975	0.0439	0.0404		100.00 (a)
Decachlorobiphenyl	18.933	26.243	4995	1945	0.0433	0.0473		100.00 (a)
2,4,4'-Trichlorobiphenyl	7.160	10.123	73008	44288	2.11	2.08		100.00
Hexachlorobiphenyl	14.490	18.440	137880	88597	2.13	2.09		100.00

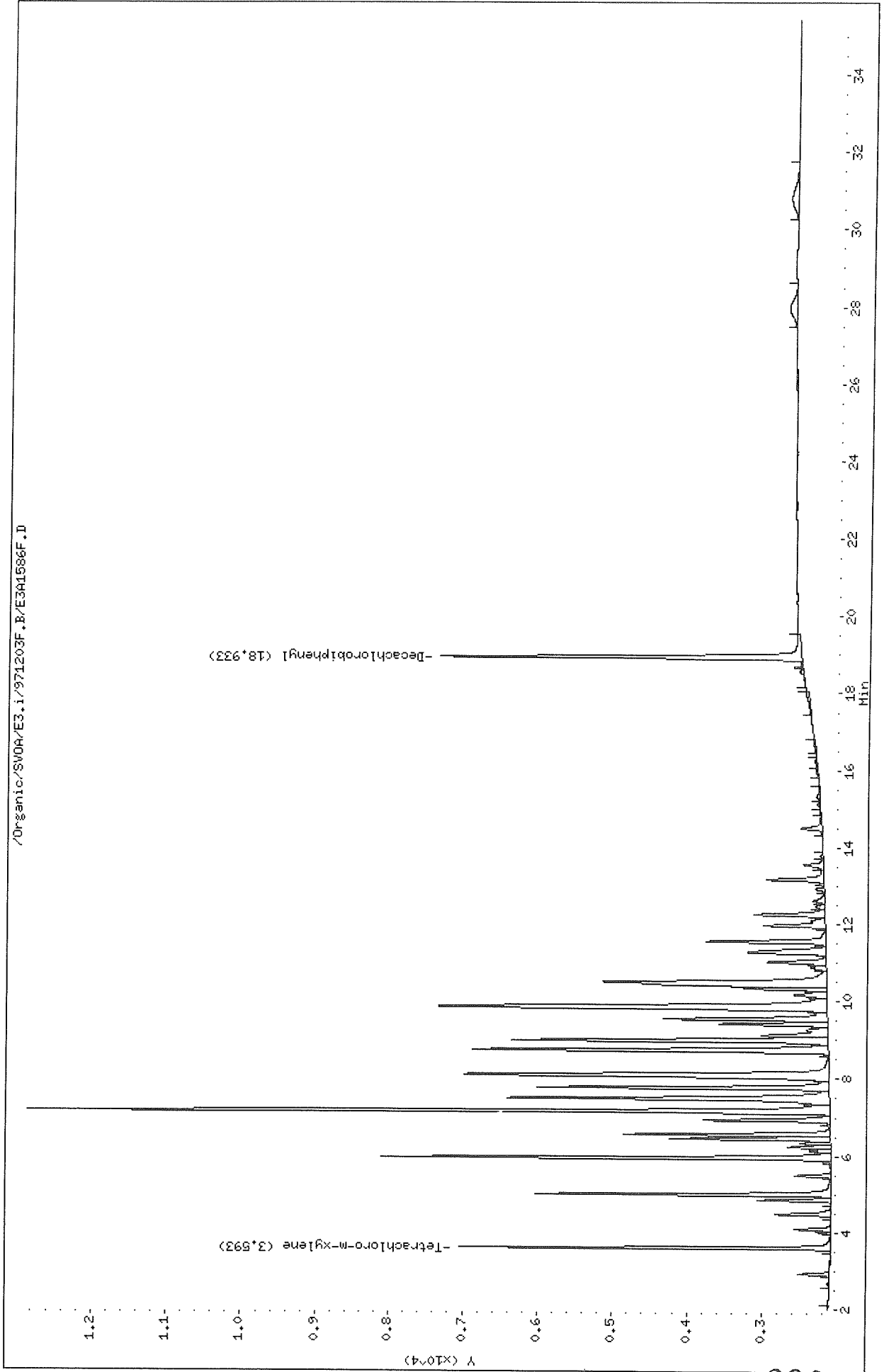
QC Flag Legend

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

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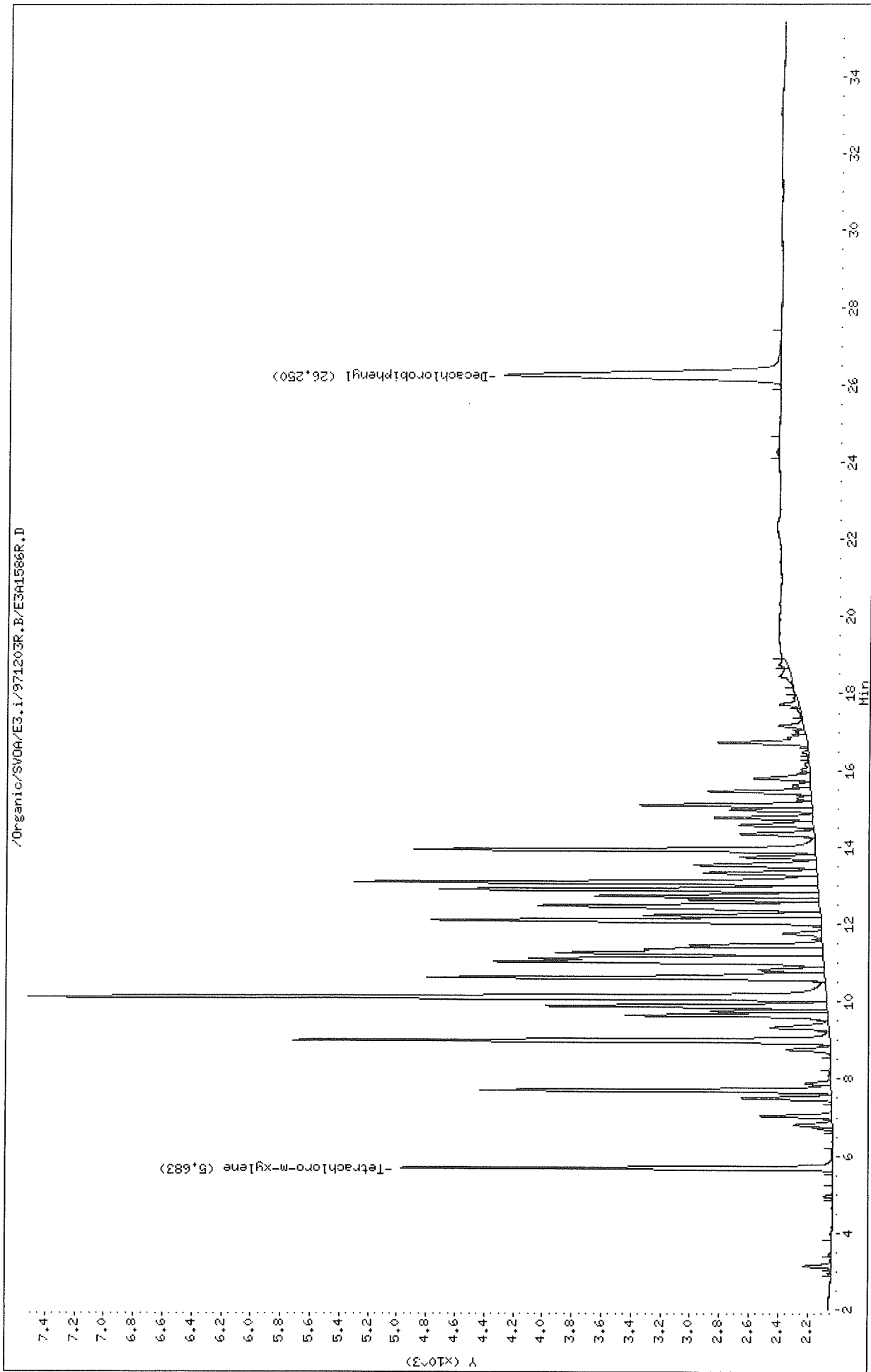
Data File: /Organic/SU0A/E3.i/971203F.B/E3H1586F.D
Date : 05-DEC-1997 12:53
Client ID: ar1242HD
Sample Info: ar1242HD,ar1242HD,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E3A1586R.D
Date : 05-DEC-1997 12:53
Client ID: ar1242HD
Sample Info: ar1242HD,ar1242HD,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1586F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1586R.D
 Inj Date : 05-DEC-1997 12:53
 Sample Info: ar1242HD,ar1242HD,,ar1242.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 15:05
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-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	25000.000	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	3.593	5.683	4935	2947	0.0422	0.0400		100.00 (a)
Aroclor-1242	5.953	8.990	6013	3662	2.30	2.20	80.00- 120.00	100.00
	7.160	10.113	10744	5449	2.24	2.08	157.04- 197.04	178.68
	8.100	12.100	4859	2661	2.32	2.21	59.99- 99.99	80.81
	8.733	12.893	4743	2581	2.31	2.14	57.89- 97.89	78.88
	9.850	13.080	5180	3163	2.20	2.16	65.32- 105.32	86.15
	Average of Peak Amounts =				2.27	2.16		
Decachlorobiphenyl	18.933	26.250	4802	1879	0.0416	0.0457		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/E3.i/971203F.B/E3A1587F.D

Date : 05-DEC-1997 13:30

Client ID: ar1248DD

Sample Info: ar1248DD,ar1248DD,,ar1248.sub

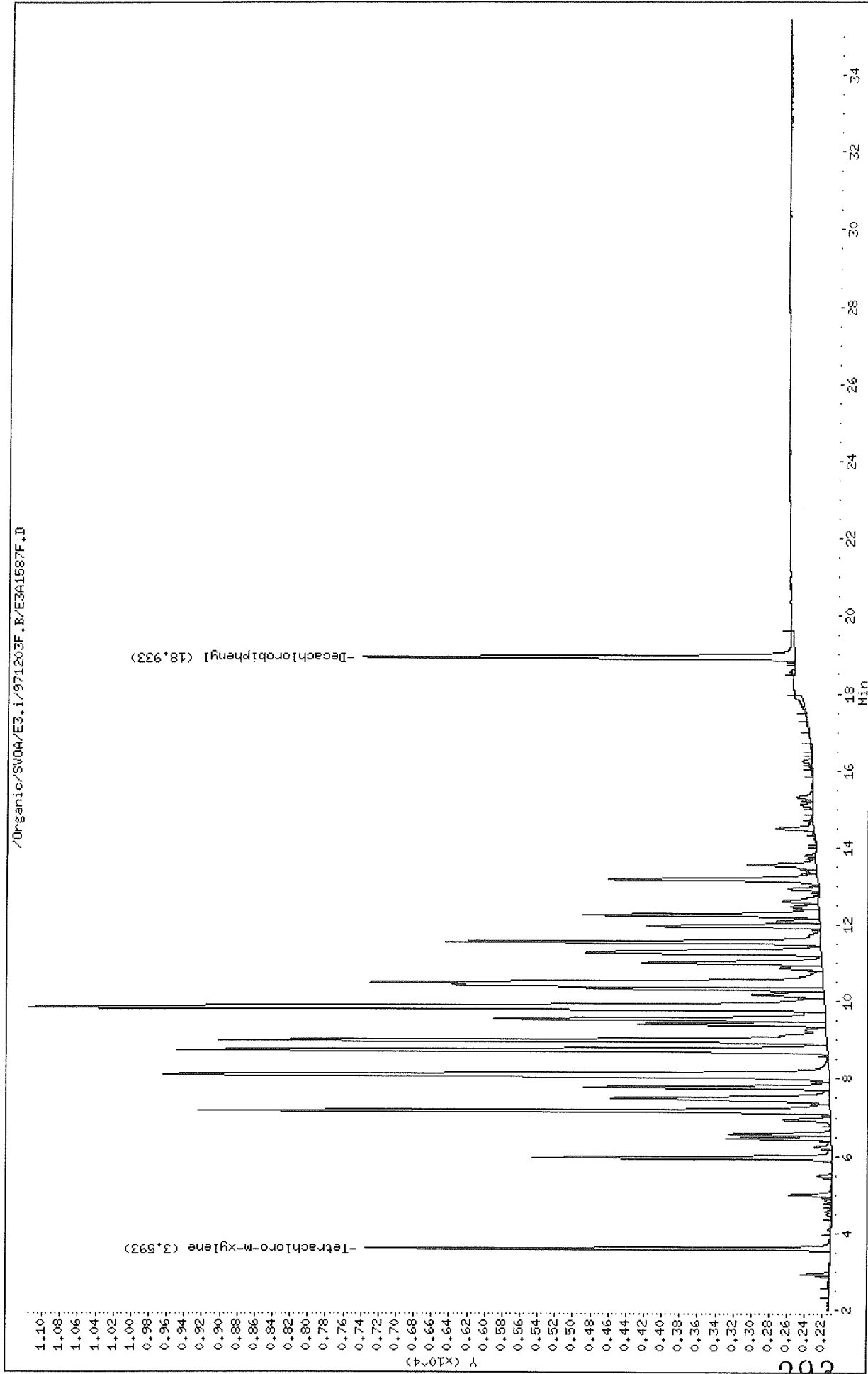
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

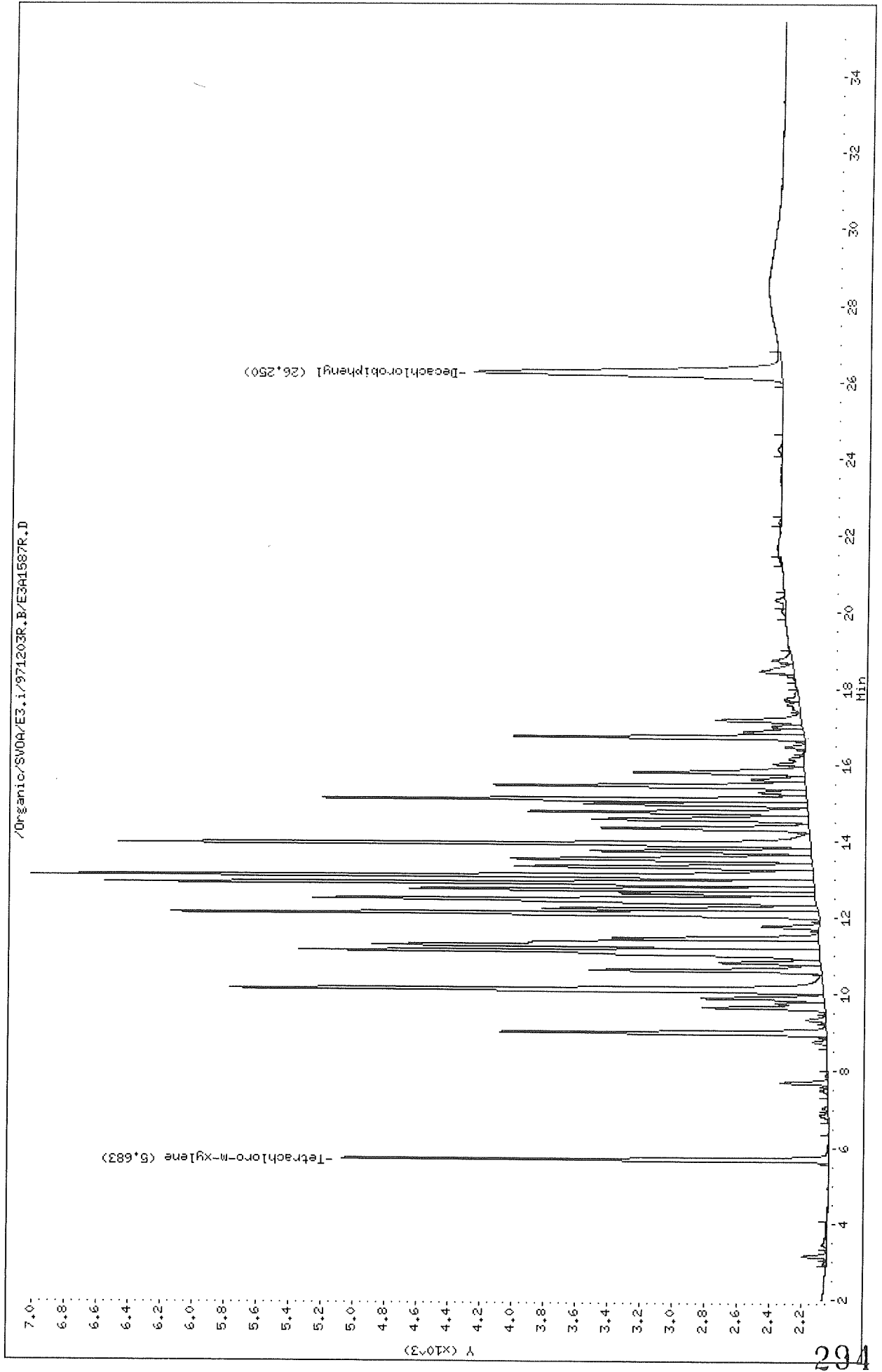
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203R.B/E341587R.D
Date: 05-DEC-1997 13:30
Client ID: ar1248DD
Sample Info: ar1248DD.ar1248DD,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1587F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1587R.D
 Inj Date : 05-DEC-1997 13:30
 Sample Info: ar1248DD,ar1248DD,,ar1248.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 16:58
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCB-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	3.593	5.683	5234	3038	0.045	0.041		100.00(a)
Aroclor-1248	8.730	12.473	7342	3139	2.1	2.0	80.00- 120.00	100.00
	8.980	12.890	6867	4421	2.2	2.0	69.62- 109.62	93.53
	9.837	13.077	8986	4878	2.0	1.9	101.12- 141.12	122.39
	Average of Peak Amounts =				2.1	2.0		
Decachlorobiphenyl	18.933	26.250	4862	1912	0.042	0.046		100.00(a)

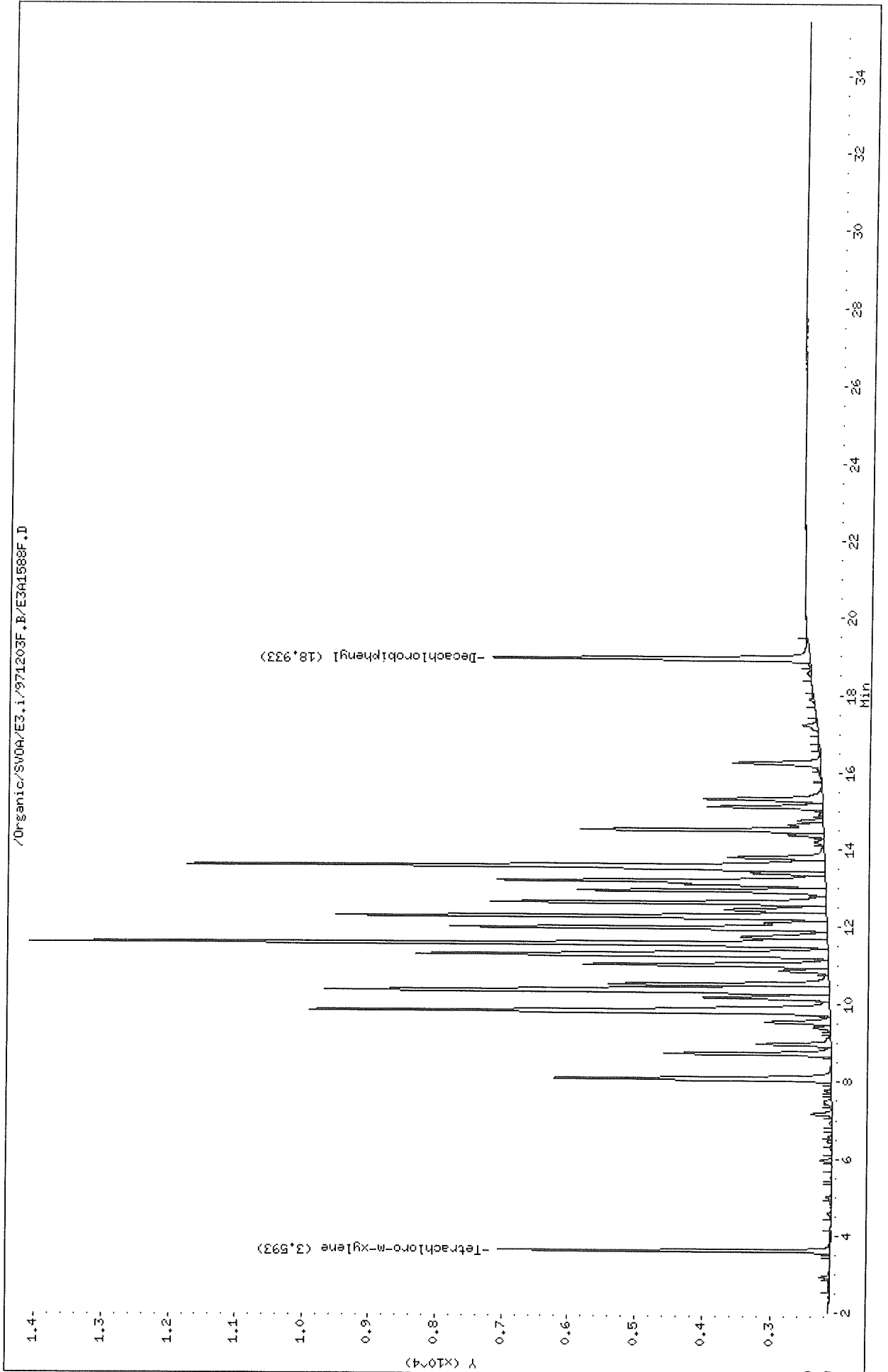
QC Flag Legend

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

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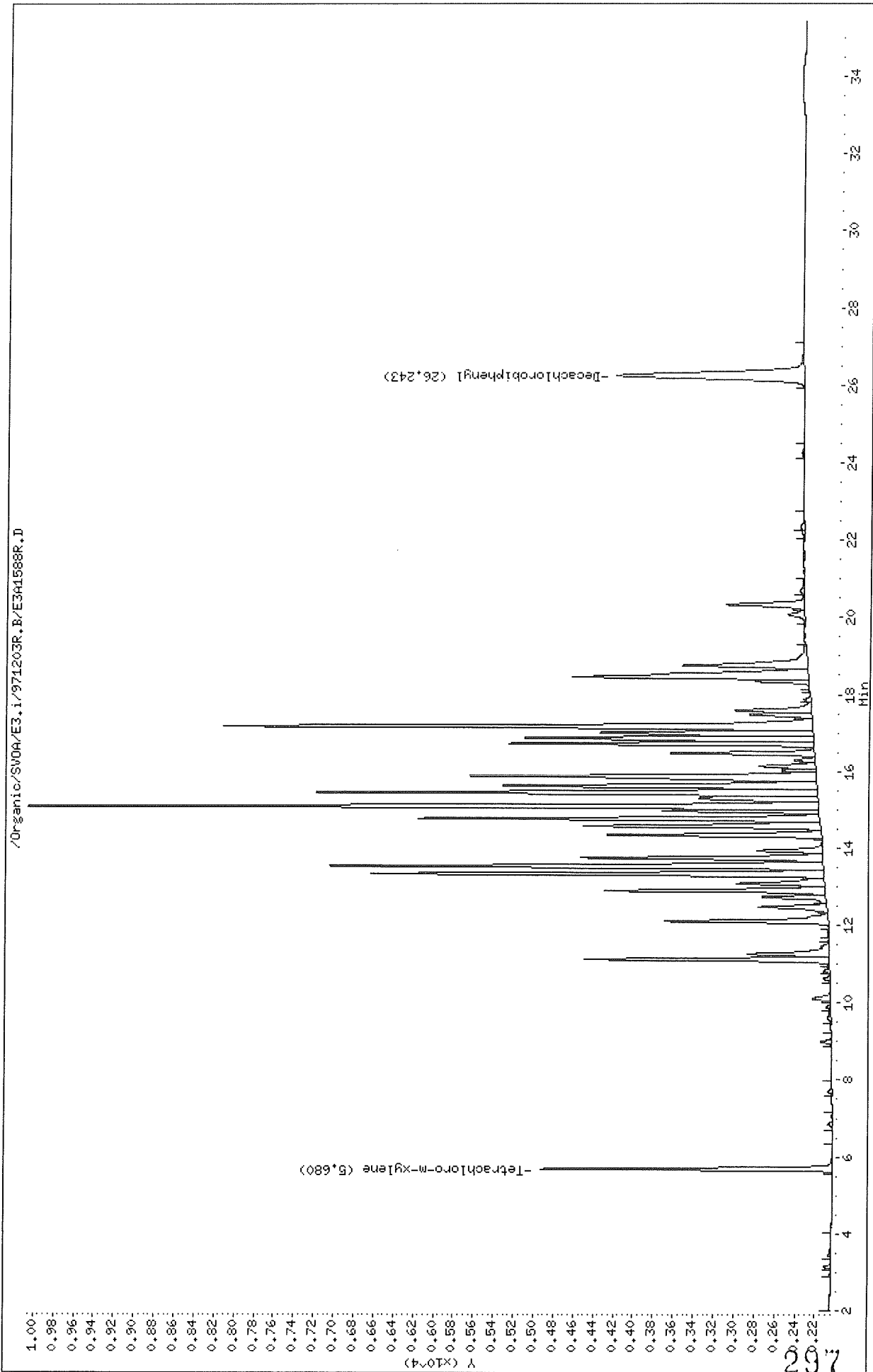
Data File: /Organic/SU04/E3.i/971203F.B/E341588F.D
Date : 05-DEC-1997 14:08
Client ID: ar1254HD
Sample Info: ar1254HD,ar1254HD,,ar1254.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E341568R.D
 Date : 05-DEC-1997 14:08
 Client ID: ar1254HD
 Sample Info: ar1254HD,ar1254HD,,ar1254.sub
 Volume Injected (uL): 2.0
 Column phase: DB-608

Instrument: E3.i
 Operator: jfs
 Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1588F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1588R.D
 Inj Date : 05-DEC-1997 14:08
 Sample Info: ar1254HD,ar1254HD,,ar1254.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 16:58
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCB-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	3.593	5.680	4953	2906	0.042	0.039		100.00 (a)
Decachlorobiphenyl	18.933	26.243	4725	1856	0.041	0.045		100.00 (a)
Aroclor-1254	11.263	14.757	6141	3995	2.2	2.1	80.00- 120.00	100.00
	11.547	15.080	11922	7896	2.2	2.2	175.19- 215.19	194.14
	12.247	15.437	7327	5004	2.1	2.1	99.18- 139.18	119.31
Average of Peak Amounts =					2.2	2.1		

QC Flag Legend

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

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Data File: /Organic/SV04/E3.i/971203F.E/E3A1589F.D

Date : 05-DEC-1997 14:46

Client ID: ar1660HD

Sample Info: ar1660HD,ar1660HD,ar1660,sub

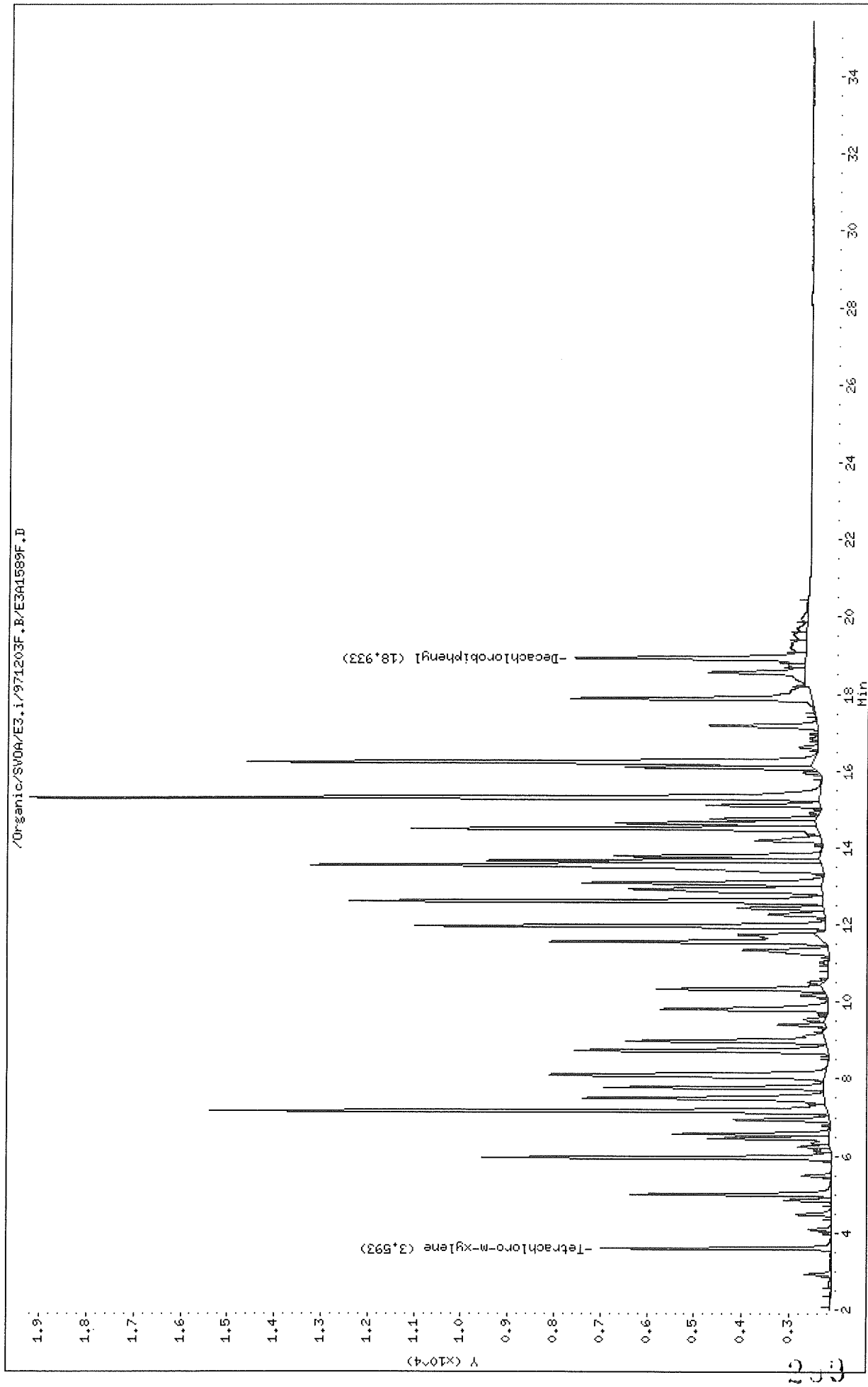
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

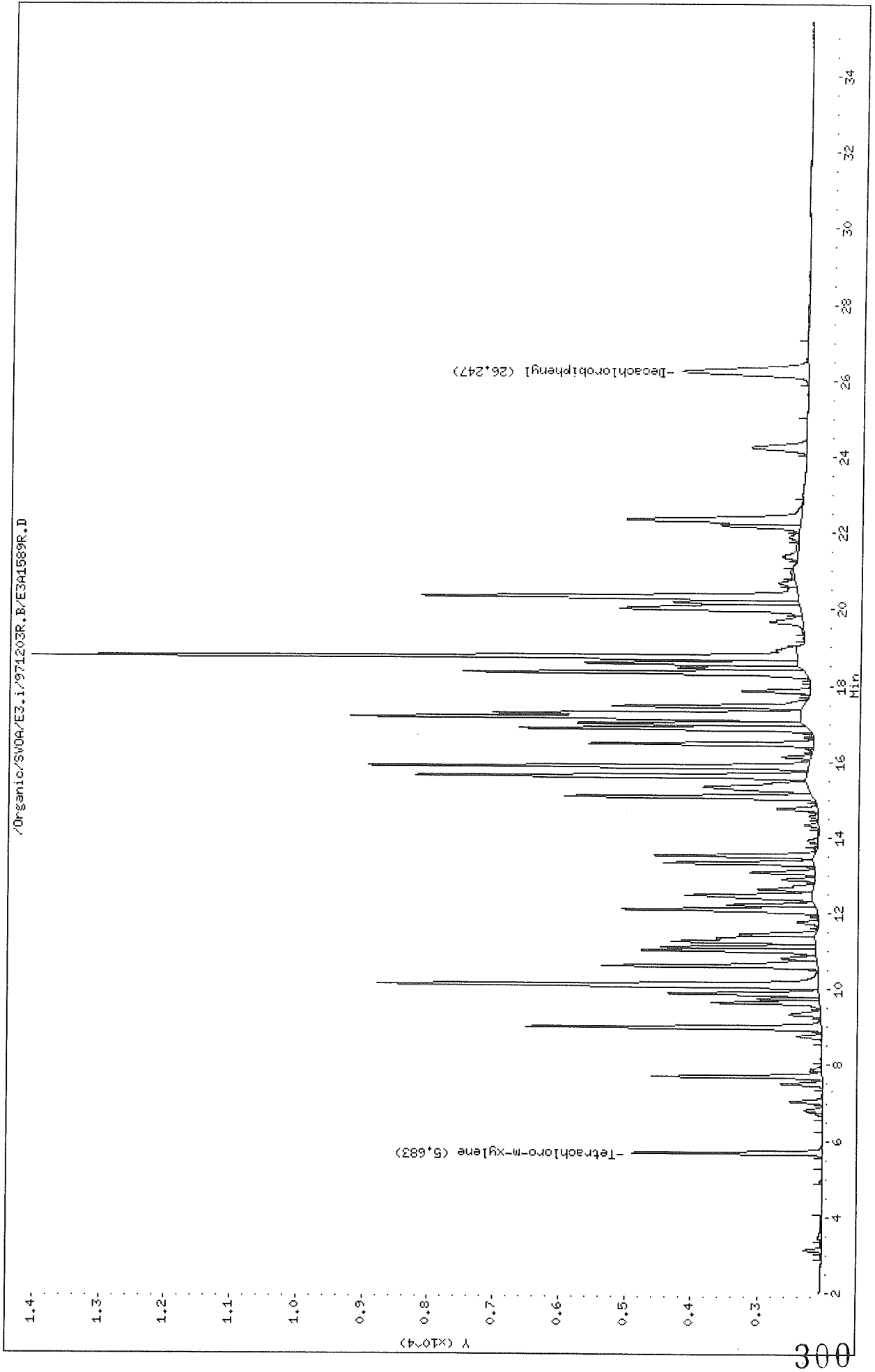
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SW04/E3.i/971203R.B/E3A1589R.D
Date : 05-DEC-1997 14:46
Client ID: ar1660HD
Sample Info: ar1660HD,ar1660HD,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1589F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1589R.D
 Inj Date : 05-DEC-1997 14:46
 Sample Info: ar1660HD,ar1660HD,,ar1660.sub
 Misc Info : 2
 Cal Date : 05-DEC-1997 16:58
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCB-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCB-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	3.593	5.683	4862	2859	0.042	0.039		100.00(a)
Aroclor-1016	5.953	8.990	7435	4456	2.1	2.0	80.00- 120.00	100.00
	6.567	9.890	3298	2266	2.1	2.0	24.49- 64.49	44.36
	7.160	10.113	13183	6683	2.0	1.9	157.24- 197.24	177.31
	Average of Peak Amounts =				2.1	2.0		
Decachlorobiphenyl	18.933	26.247	4909	1872	0.042	0.046		100.00(a)
Aroclor-1260	14.493	18.333	8629	5175	2.0	2.3	80.00- 120.00	100.00
	15.300	18.733	16833	11591	2.0	2.2	179.01- 219.01	195.07
	16.237	20.323	12066	5692	2.0	2.2	120.84- 160.84	139.83
	Average of Peak Amounts =				2.0	2.2		

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Data File: \Organic\SVOA\E3.i\971203F.B\E3A1589F.D
Report Date: 15-Dec-1997 14:39

QC Flag Legend

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

Data File: /Organic/SW04/E3.i/971203F.B/E3A1590F.D

Date : 05-DEC-1997 15:25

Client ID: C06DC

Sample Info: C06DC.C06DC,,all.sub

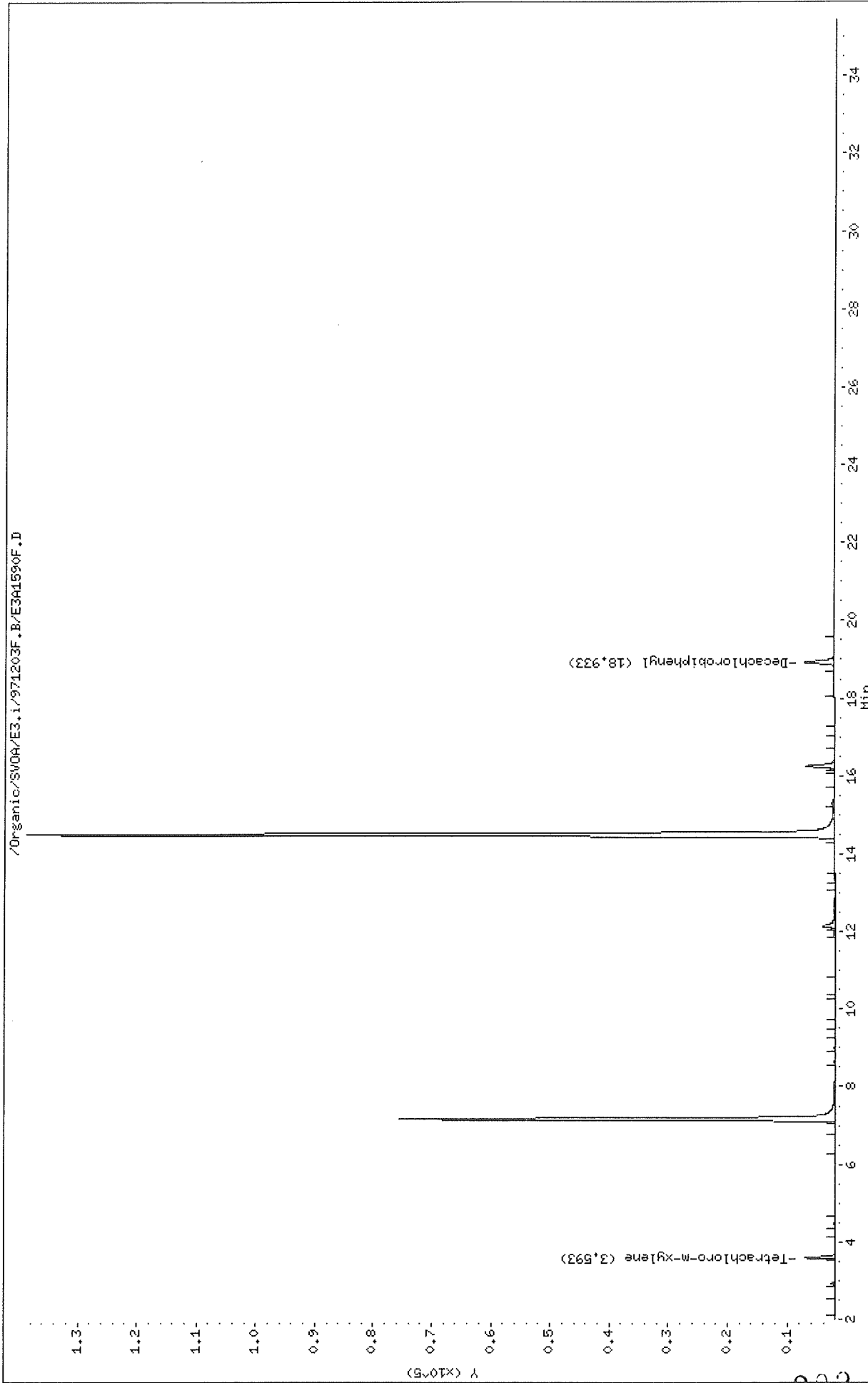
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

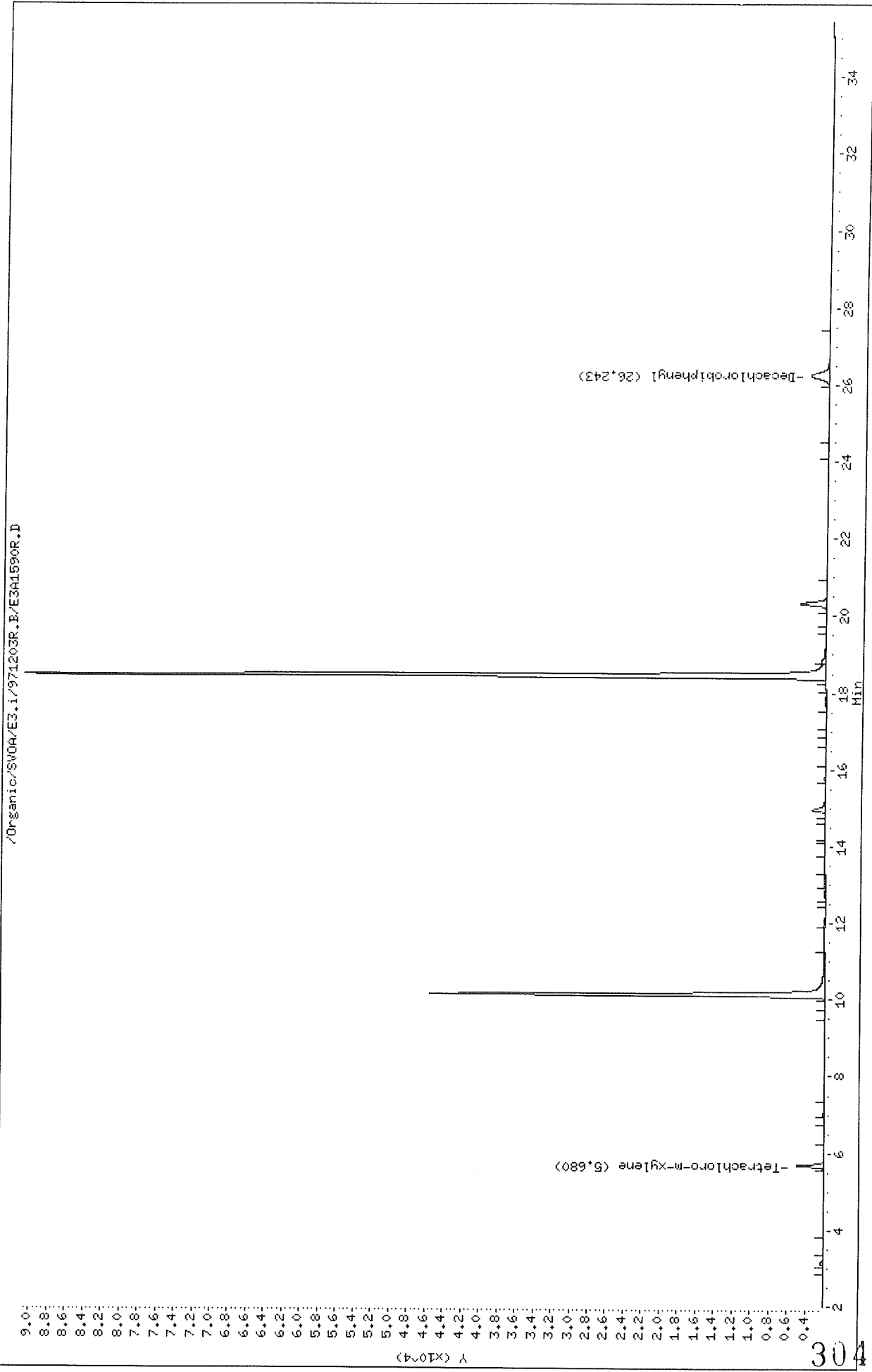
Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV004/E3.i/971203R.B/E3041590R.D
Date : 05-DEC-1997 15:25
Client ID: C06DC
Sample Info: C06DC,C06DC,,all.sub
Volume Injected (ul): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1590F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1590R.D
 Inj Date : 05-DEC-1997 15:25
 Sample Info: COGDC,COGDC,,all.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 09:55
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	25000.000	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	3.593	5.680	5110	2991	0.0437	0.0406		100.00 (a)
Decachlorobiphenyl	18.933	26.243	4978	1943	0.0432	0.0473		100.00 (a)
2,4,4'-Trichlorobiphenyl	7.157	10.123	73349	43548	2.12	2.05		100.00
Hexachlorobiphenyl	14.487	18.437	136618	88663	2.11	2.09		100.00

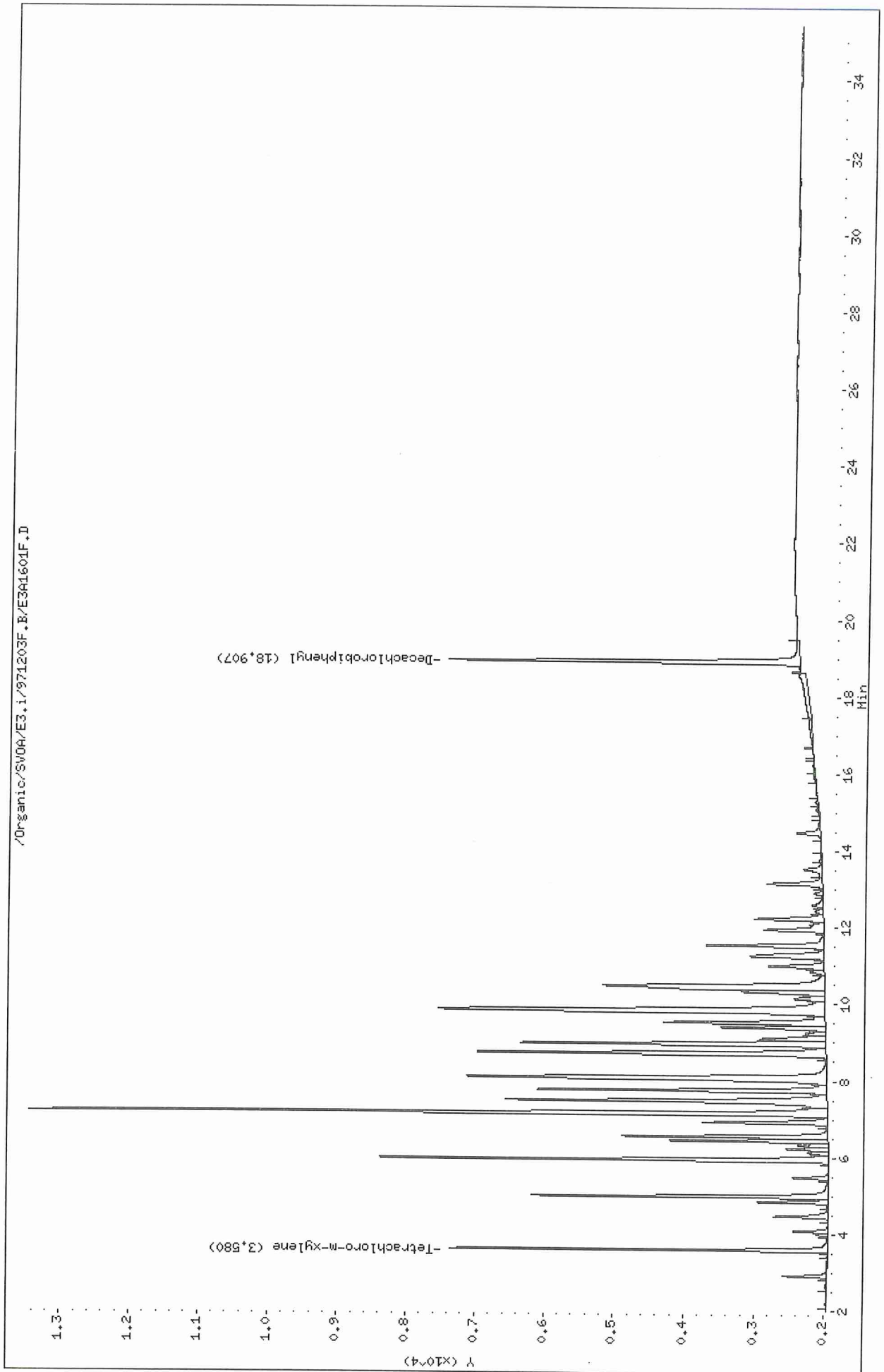
QC Flag Legend

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

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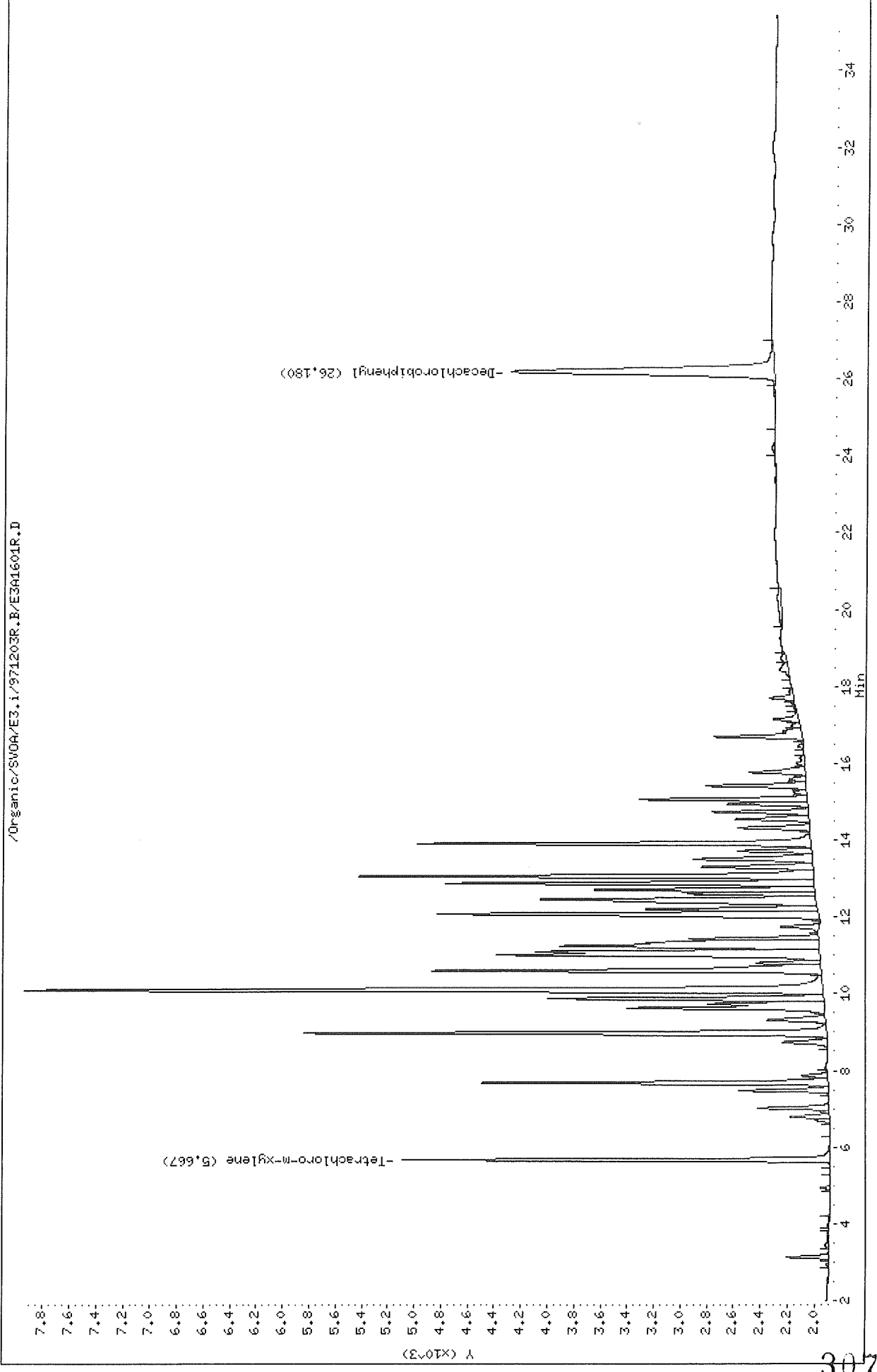
Data File: /Organic/SV0A/E3.i/971203F.B/E3A1601F.D
Date : 05-DEC-1997 22:30
Client ID: ar1242HE
Sample Info: ar1242HE,ar1242HE,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E3A1601R.D
Date : 05-DEC-1997 22:30
Client ID: ar1242HE
Sample Info: ar1242HE,ar1242HE,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1601F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1601R.D
 Inj Date : 05-DEC-1997 22:30
 Sample Info: ar1242HE,ar1242HE,,ar1242.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:09
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.580	5.667	5421	3209	0.0464	0.0436		100.00(a)
Aroclor-1242	5.937	8.970	6443	3931	2.48	2.37	80.00- 120.00	100.00
	7.137	10.093	11493	6007	2.40	2.30	157.04- 197.04	178.38
	8.077	12.077	5161	2854	2.48	2.39	59.99- 99.99	80.10
	8.710	12.867	5000	2762	2.44	2.30	57.89- 97.89	77.60
	9.827	13.053	5544	3414	2.36	2.33	65.32- 105.32	86.05
	Average of Peak Amounts =				2.43	2.34		
Decachlorobiphenyl	18.907	26.180	5039	1978	0.0437	0.0481		100.00(a)

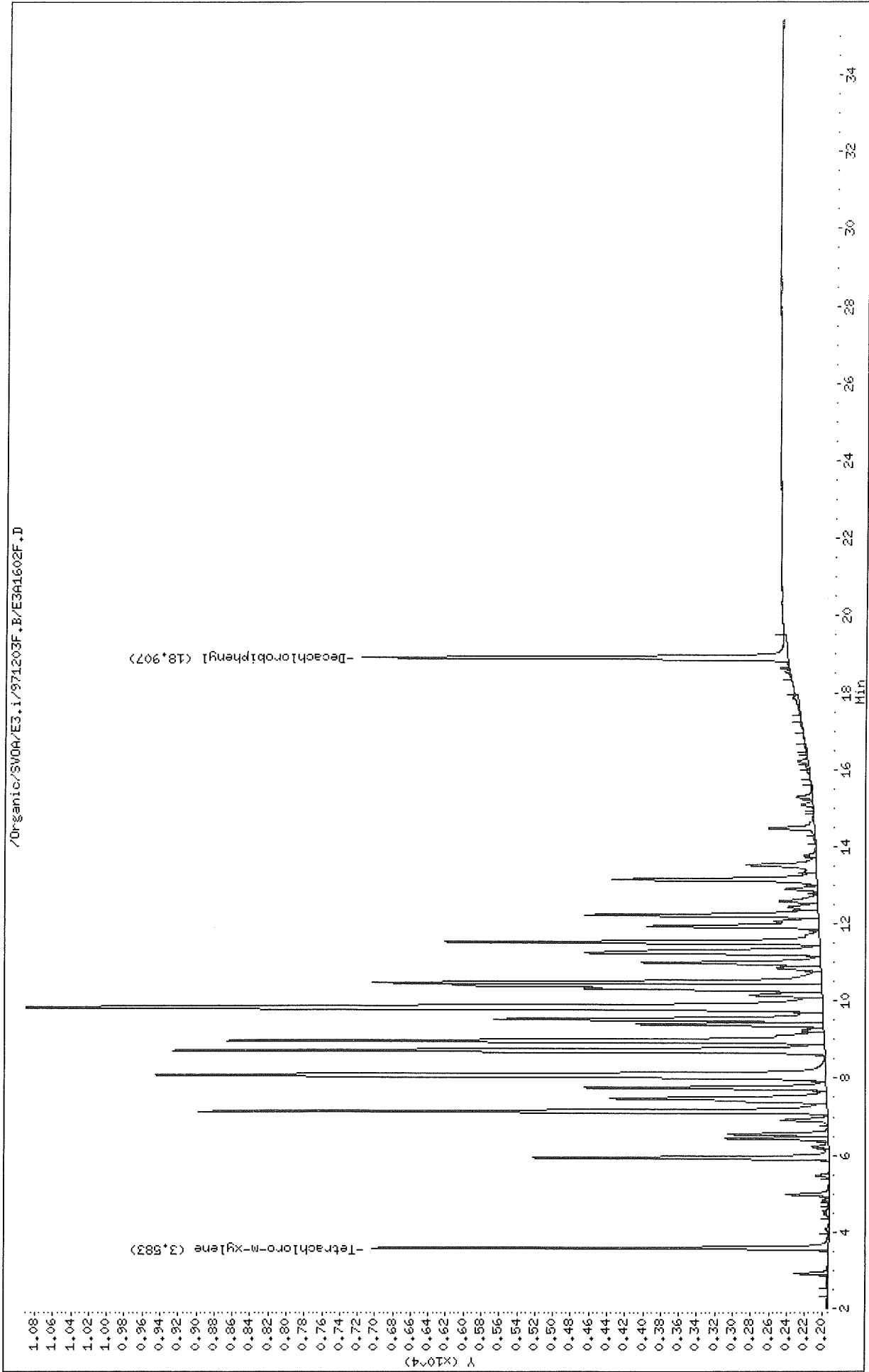
QC Flag Legend

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

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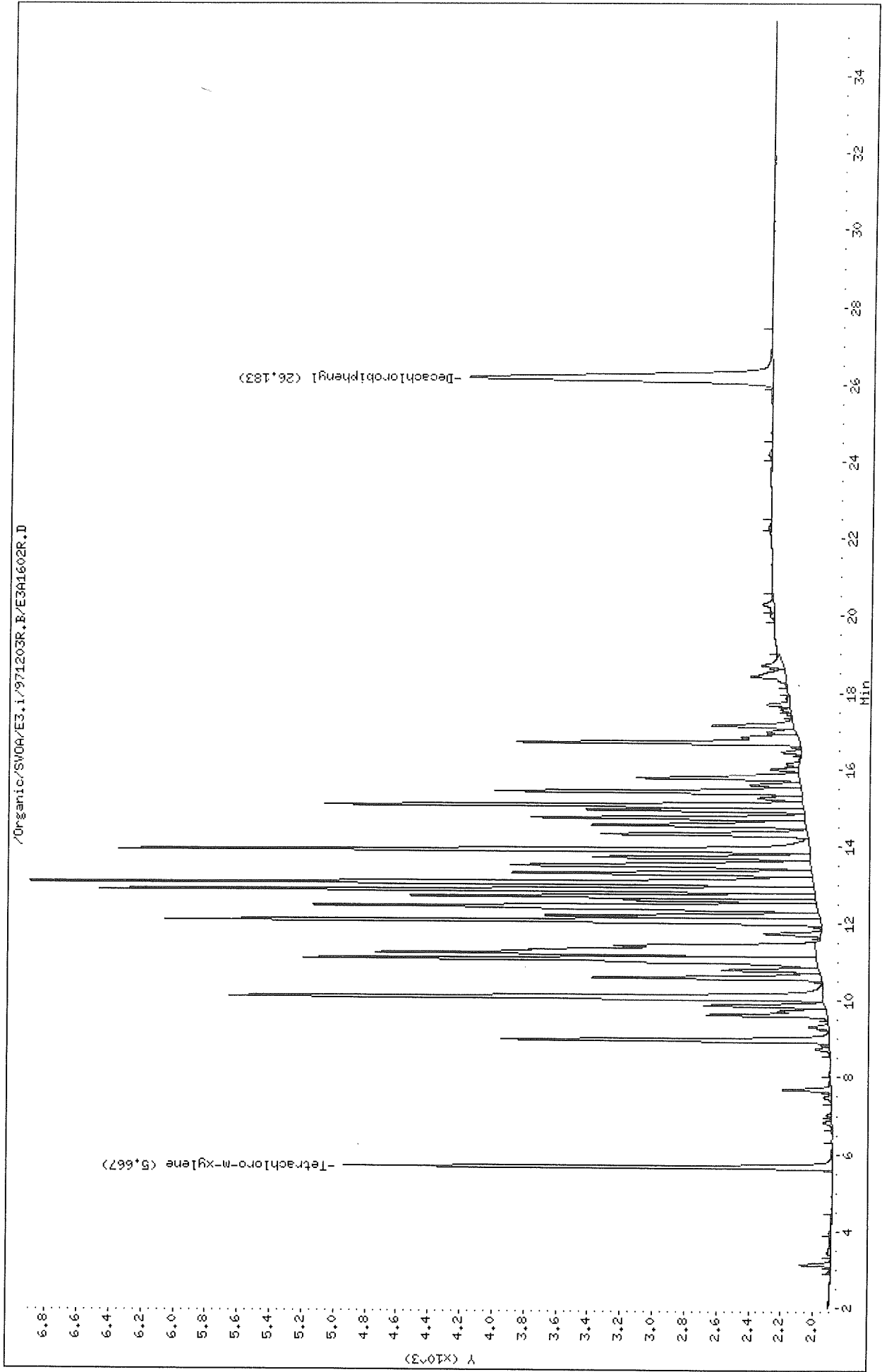
Data File: /Organic/SV04/E3.i/971203F.B/E3A1602F.D
Date : 05-DEC-1997 23:08
Client ID: ar1248HE
Sample Info: ar1248HE,ar1248HE,,ar1248.sub
Volume Injected (ul.): 2.0
Column Phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203R.B/E3A1602R.D
Date : 05-DEC-1997 23:08
Client ID: ar1248HE
Sample Info: ar1248HE,ar1248HE,,ar1248.sub
Volume Injected (ul): 2.0
Column phase: DB-608

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1602F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1602R.D
 Inj Date : 05-DEC-1997 23:08
 Sample Info: ar1248HE,ar1248HE,,ar1248.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:09
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.583	5.667	5101	3054	0.0436	0.0415		100.00 (a)
Aroclor-1248	8.710	12.450	7277	3145	2.07	2.04	80.00- 120.00	100.00
	8.957	12.867	6667	4468	2.08	1.99	69.62- 109.62	91.62
	9.817	13.053	8899	4900	1.96	1.94	101.12- 141.12	122.29
	Average of Peak Amounts =				2.04	1.99		
Decachlorobiphenyl	18.907	26.183	4763	1885	0.0413	0.0458		100.00 (a)

QC Flag Legend

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

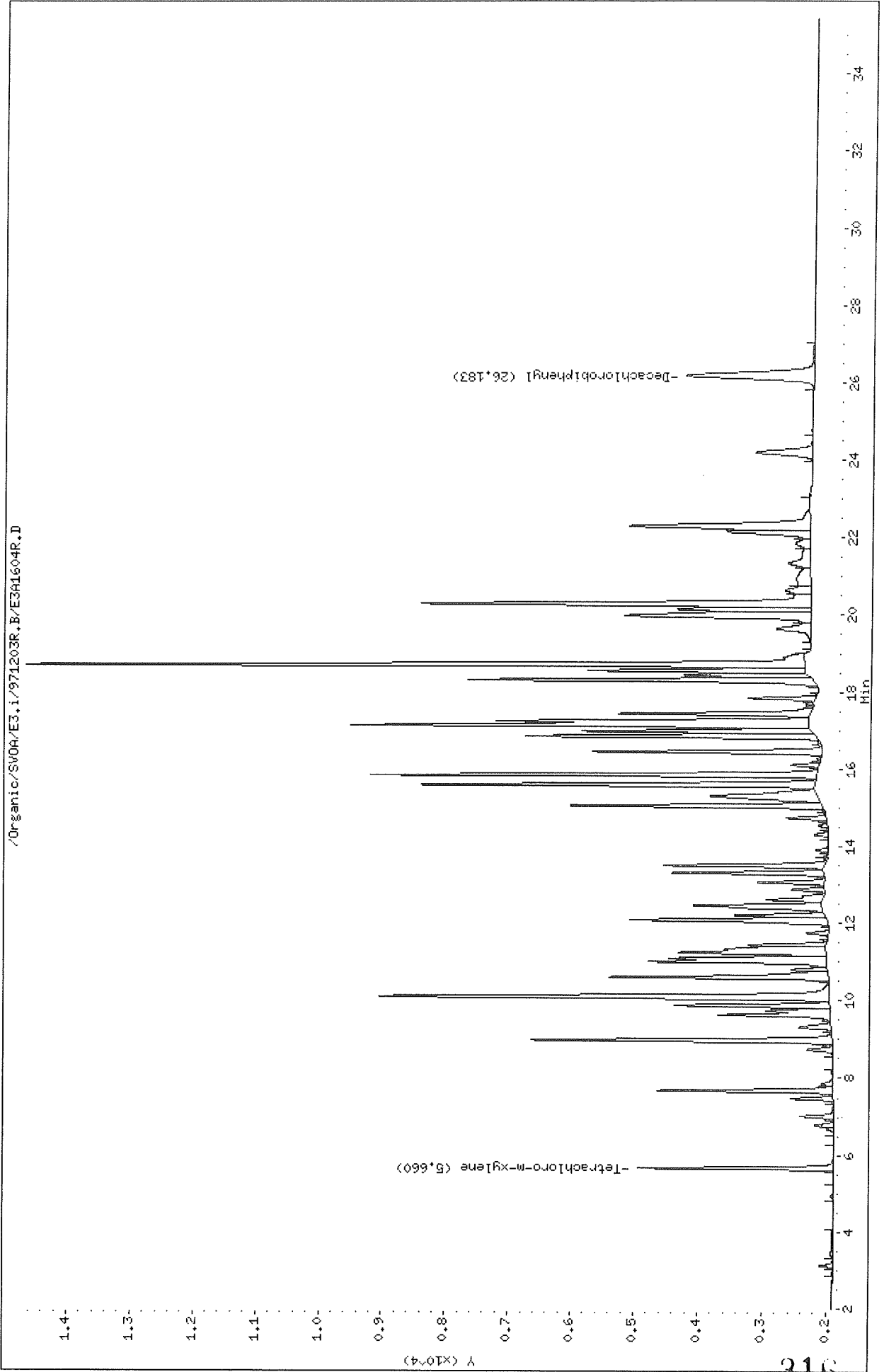
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Data File: /Organic/SV0A/E3.1/971203R.B/E3A1604R.D
Date : 06-DEC-1997 00:24
Client ID: ar1660HE
Sample Info: ar1660HE,ar1660HE,,ar1660.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1604F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1604R.D
 Inj Date : 06-DEC-1997 00:24
 Sample Info: ar1660HE,ar1660HE,,ar1660.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:10
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.573	5.660	5093	3045	0.0436	0.0413		100.00 (a)
Aroclor-1016	5.930	8.967	7817	4717	2.24	2.17	80.00- 120.00	100.00
	6.540	9.867	3494	2420	2.22	2.18	24.49- 64.49	44.70
	7.133	10.090	13911	7088	2.17	2.06	157.24- 197.24	177.96
	Average of Peak Amounts =				2.21	2.14		
Decachlorobiphenyl	18.907	26.183	5118	1976	0.0444	0.0481		100.00 (a)
Aroclor-1260	14.470	18.310	9080	5424	2.17	2.43	80.00- 120.00	100.00
	15.277	18.710	17517	12272	2.09	2.39	179.01- 219.01	192.92
	16.210	20.290	12495	6113	2.10	2.42	120.84- 160.84	137.61
	Average of Peak Amounts =				2.12	2.41		

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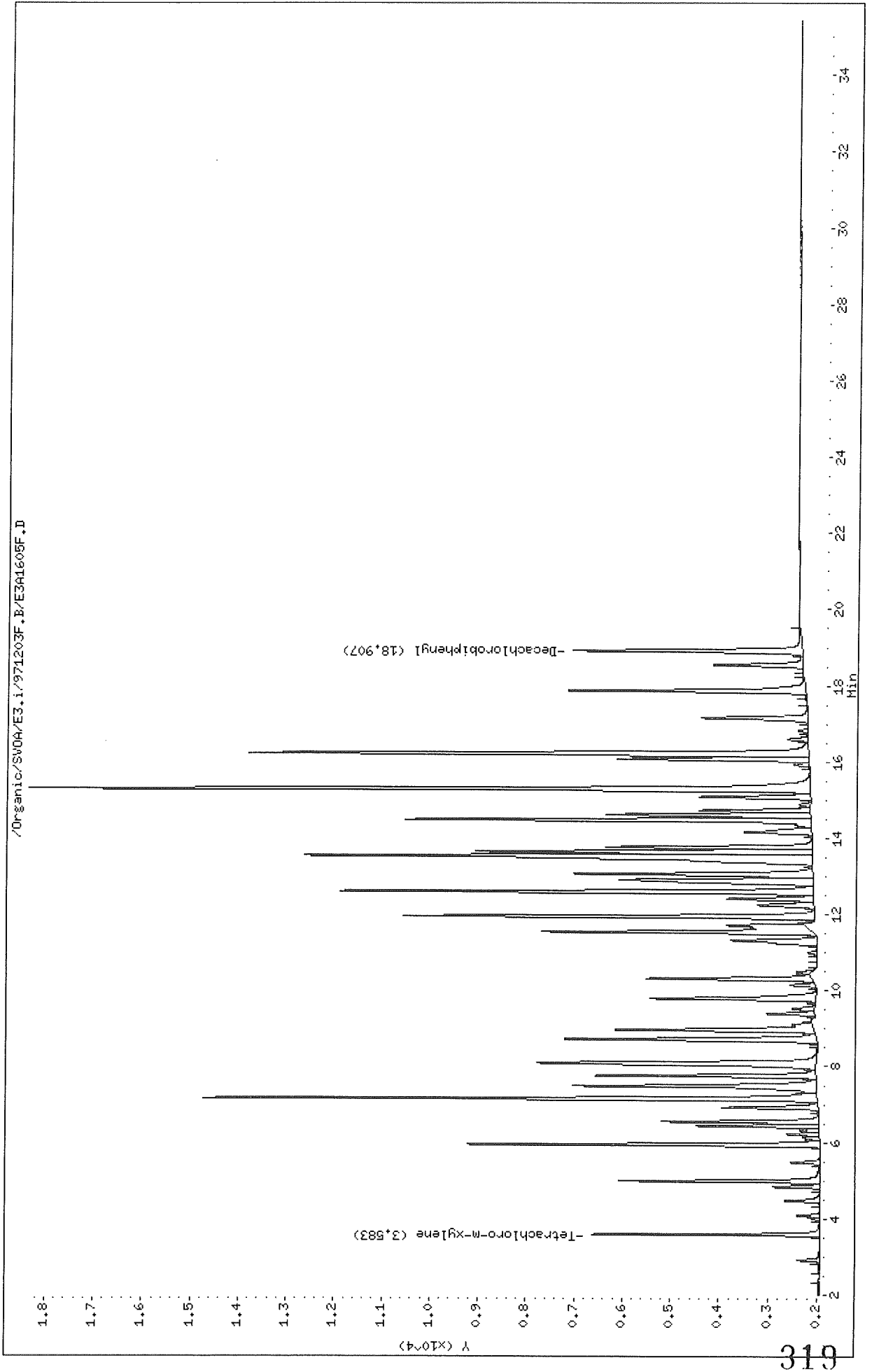
Data File: \Organic\SVOA\E3.i\971203F.B\E3A1604F.D
Report Date: 15-Dec-1997 14:40

QC Flag Legend

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

Data File: /Organic/SU04/E3.i/971203F.B/E3A1605F.D
Date : 06-DEC-1997 01:02
Client ID: ar1660DE
Sample Info: ar1660D(NEW),ar1660DE,,ar1660,sub
Volume Injected (uL): 2.0
Column Phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SW0A/E3.i/971203R.B/E3A1605R.D

Date : 06-DEC-1997 04:02

Client ID: ar1660DE

Sample Info: ar1660D(NEW),ar1660DE,,ar1660.sub

Volume Injected (uL): 2.0

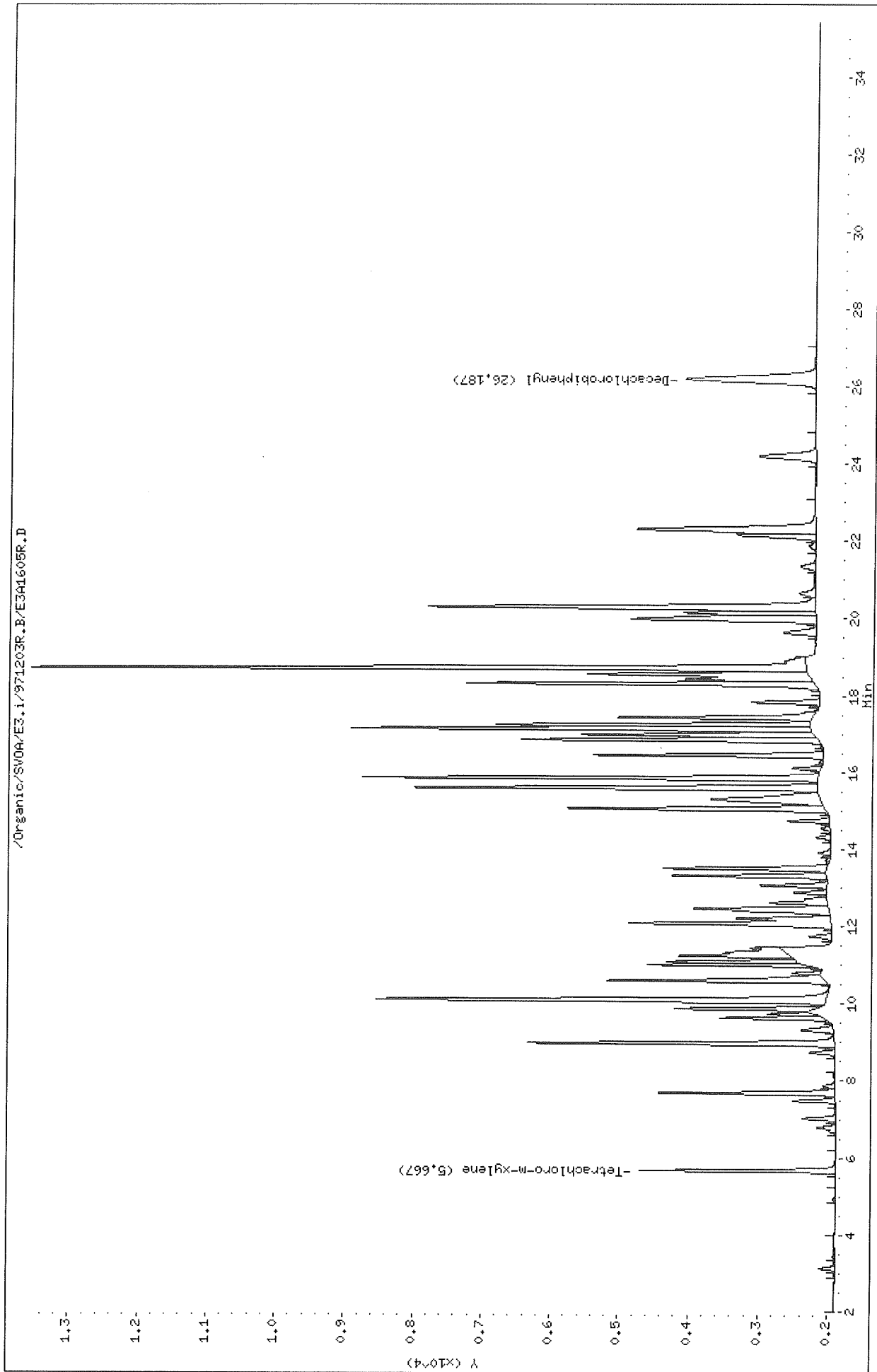
Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53

/Organic/SW0A/E3.i/971203R.B/E3A1605R.D



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1605F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1605R.D
 Inj Date : 06-DEC-1997 01:02
 Sample Info: ar1660D(NEW), ar1660DE, , ar1660.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:10
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.583	5.667	4679	2810	0.0400	0.0382		100.00 (a)
Aroclor-1016	5.937	8.970	7267	4414	2.07	2.02	80.00- 120.00	100.00
	6.547	9.870	3229	2004	2.04	1.77	24.49- 64.49	44.43
	7.140	10.093	12739	6495	1.98	1.88	157.24- 197.24	175.30
	Average of Peak Amounts =				2.03	1.89		
Decachlorobiphenyl	18.907	26.187	4725	1860	0.0410	0.0452		100.00 (a)
Aroclor-1260	14.470	18.310	8390	5026	2.00	2.24	80.00- 120.00	100.00
	15.277	18.710	16202	11209	1.93	2.17	179.01- 219.01	193.11
	16.213	20.290	11592	5598	1.94	2.20	120.84- 160.84	138.16
	Average of Peak Amounts =				1.96	2.20		

GL
12/15/97

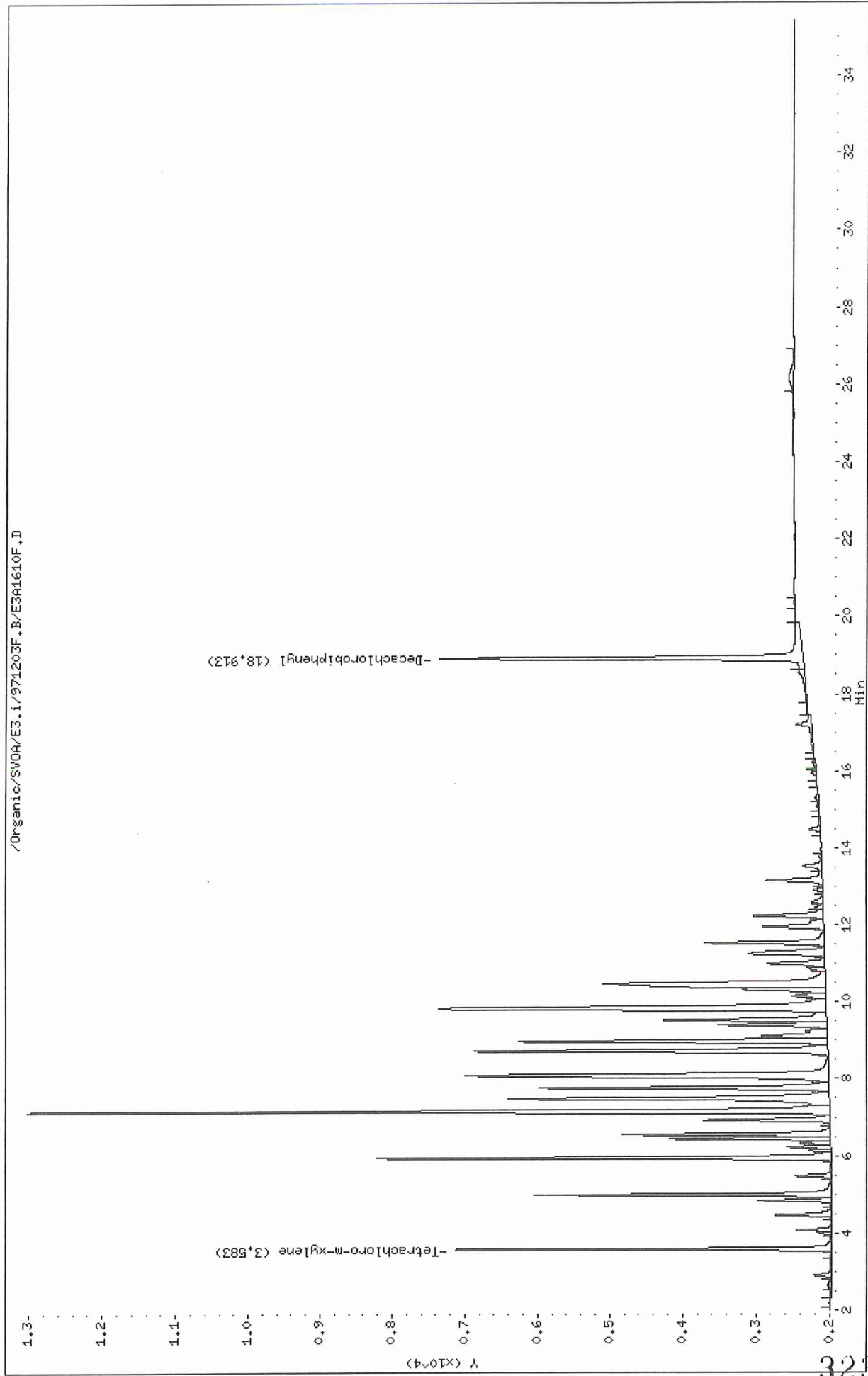
Data File: \Organic\SVOA\E3.i\971203F.B\E3A1605F.D
Report Date: 15-Dec-1997 14:40

QC Flag Legend

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

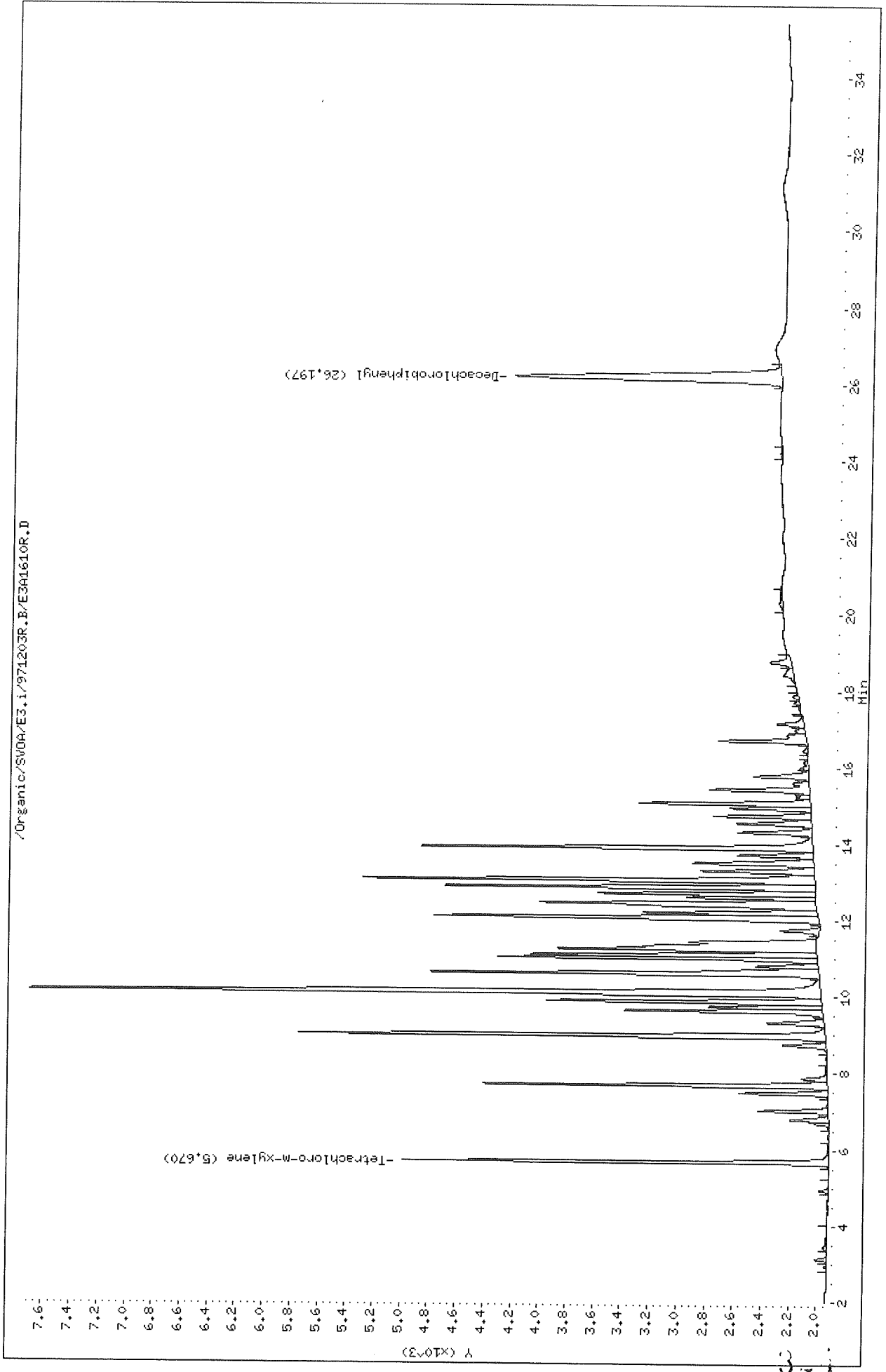
Data File: /Organic/SV00A/E3.i/971203F.B/E3A1610F.D
Date : 06-DEC-1997 04:12
Client ID: ar1242DE
Sample Info: ar1242DE,ar1242DE,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.i
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV00A/E3.1/971203R.B/E3041610R.D
Date : 06-DEC-1997 04:12
Client ID: ar1242DE
Sample Info: ar1242DE.ar1242DE,,ar1242.sub
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1610F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1610R.D
 Inj Date : 06-DEC-1997 04:12
 Sample Info: ar1242DE,ar1242DE,,ar1242.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhhb-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	3.583	5.670	5156	3070	0.0441	0.0417		100.00(a)
Aroclor-1242	5.940	8.973	6228	3804	2.39	2.29	80.00- 120.00	100.00
	7.143	10.097	11026	5717	2.30	2.19	157.04- 197.04	177.04
	8.080	12.080	4982	2763	2.39	2.30	59.99- 99.99	79.99
	8.717	12.873	4851	2659	2.37	2.21	57.89- 97.89	77.89
	9.833	13.060	5314	3256	2.26	2.22	65.32- 105.32	85.32
	Average of Peak Amounts =				2.34	2.24		
Decachlorobiphenyl	18.913	26.197	4979	1915	0.0432	0.0466		100.00(a)

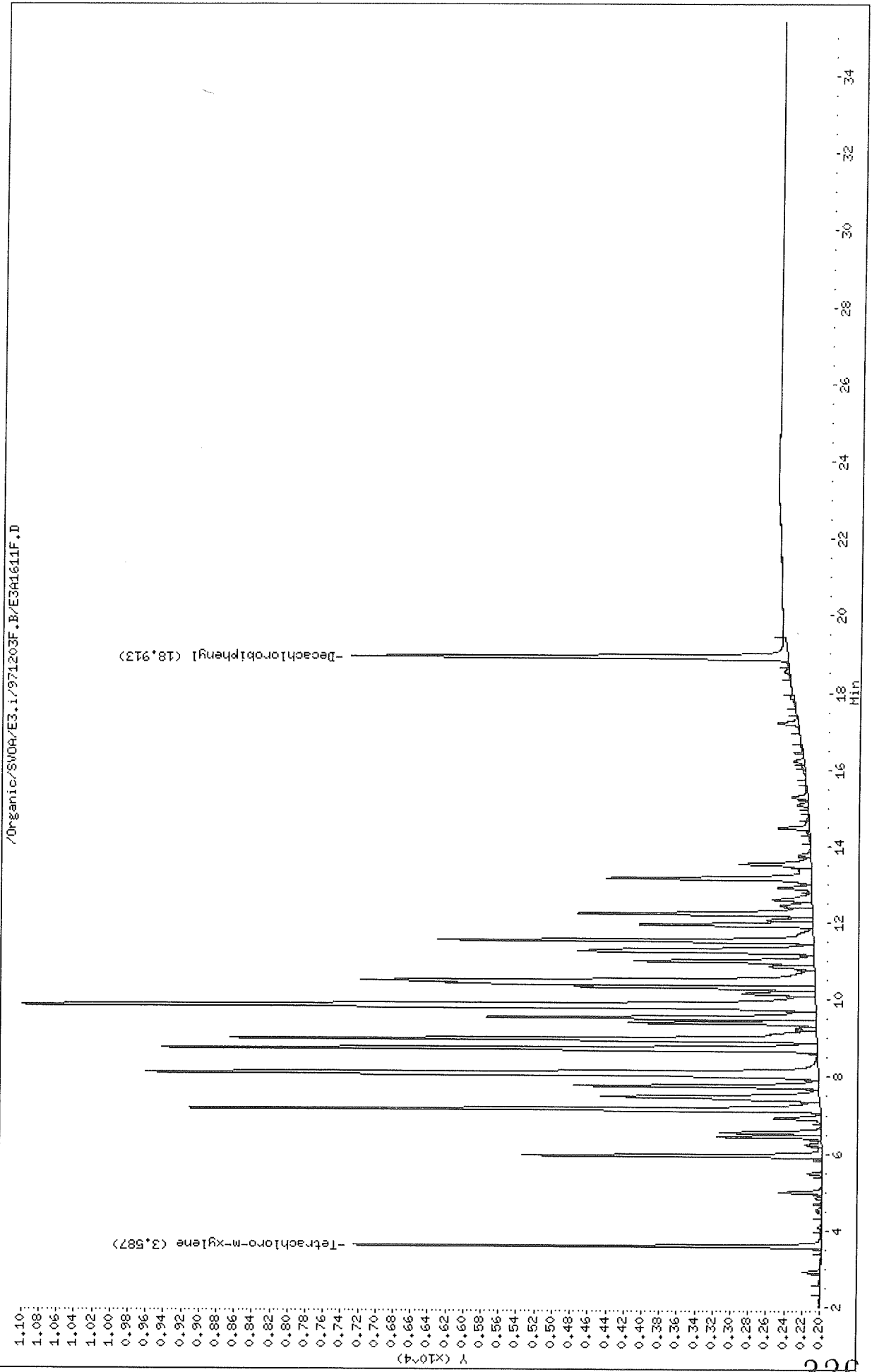
QC Flag Legend

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

GL
 12/15/97

Data File: /Organic/SV0A/E3.1/971203F.B/E3A1611F.D
Date : 06-DEC-1997 04:50
Client ID: ar1248DE
Sample Info: ar1248DE.ar1248DE,,ar1248.sub
Volume Injected (uL): 2.0
Column phase: DB-1701

Instrument: E3.1
Operator: jfs
Column diameter: 0.53



Data File: /Organic/SV04/E3.i/971203F.B/E301612F.D

Date : 06-DEC-1997 05:28

Client ID: ar1254DE

Sample Info: ar1254DE.ar1254DE,,ar1254.sub

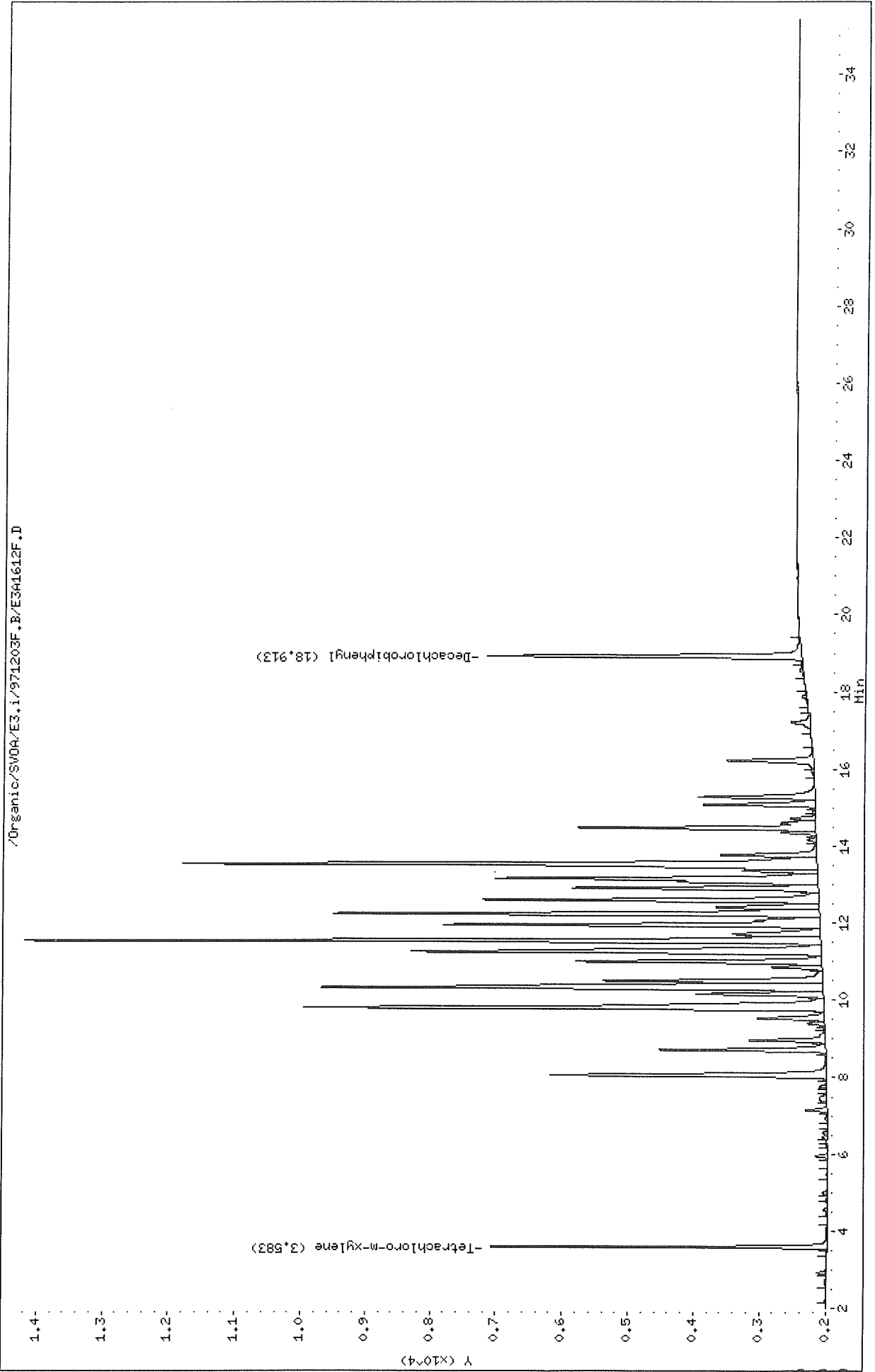
Volume Injected (uL): 2.0

Column phase: DB-1701

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Data File: /Organic/SV04/E3.1/971203F.B/E3A1613F.D

Date : 06-DEC-1997 06:07

Client ID: ar1660DE

Sample Info: ar1660DE,ar1660DE,,ar1660.sub

Volume Injected (ul): 2.0

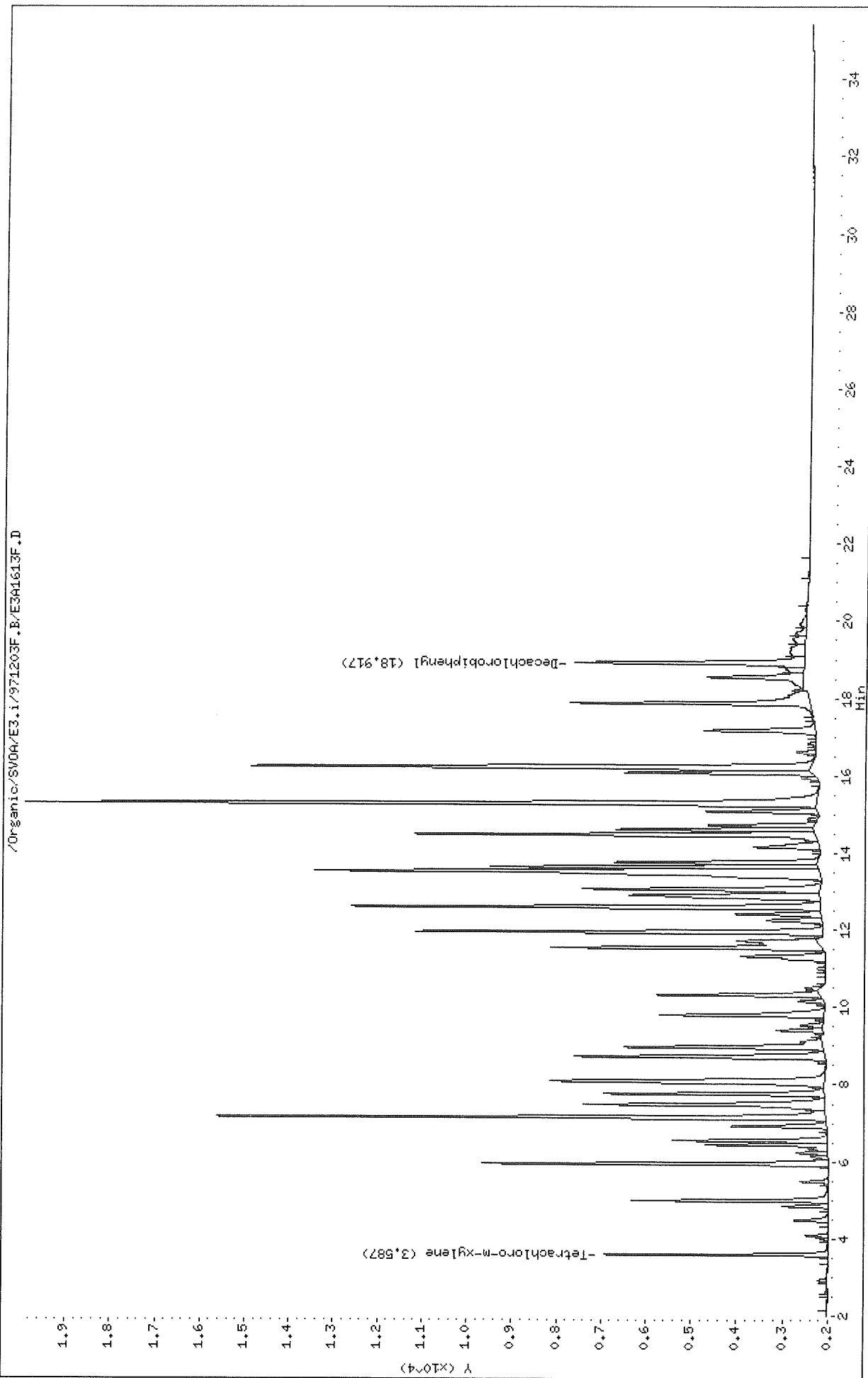
Column phase: DB-1701

Instrument: E3.1

Operator: jfs

Column diameter: 0.53

/Organic/SV04/E3.1/971203F.B/E3A1613F.D



Data File: /Organic/SV0A/E3.i/971203R.B/E3A1613R.D

Date : 06-DEC-1997 06:07

Client ID: ar1660DE

Sample Info: ar1660DE,ar1660DE,,ar1660.sub

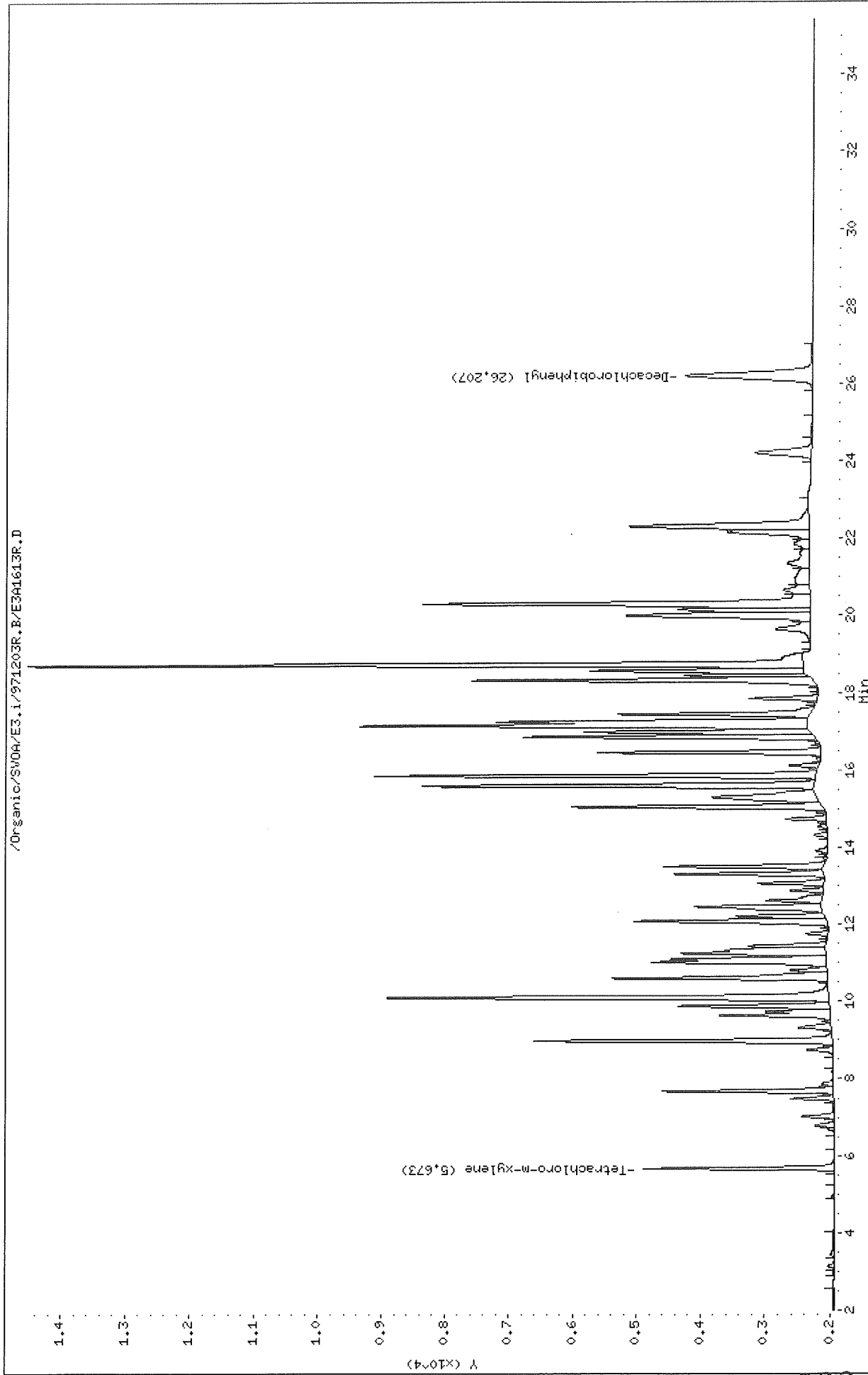
Volume Injected (uL): 2.0

Column phase: DB-608

Instrument: E3.i

Operator: jfs

Column diameter: 0.53



Thru-Put Systems, Inc.

Sample #1 : \Organic\SVOA\E3.i\971203F.B\E3A1613F.D
 Sample #2 : \Organic\SVOA\E3.i\971203R.B\E3A1613R.D
 Inj Date : 06-DEC-1997 06:07
 Sample Info: ar1660DE,ar1660DE,,ar1660.sub
 Misc Info : 2
 Cal Date : 08-DEC-1997 10:11
 Operator : jfs
 Inst ID : E3.i
 Dil Factor : 1.000000

Method #1 : \Organic\SVOA\E3.i\971203F.B\e3PCBvhb-f.m
 Method #2 : \Organic\SVOA\E3.i\971203R.B\e3PCBvhb-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	3.587	5.673	4924	2965	0.0421	0.0402		100.00 (a)
Aroclor-1016	5.943	8.977	7663	4627	2.19	2.13	80.00- 120.00	100.00
	6.553	9.877	3409	2351	2.17	2.11	24.49- 64.49	44.49
	7.147	10.103	13582	6881	2.12	2.00	157.24- 197.24	177.24
	Average of Peak Amounts =				2.16	2.08		
Decachlorobiphenyl	18.917	26.207	5066	1971	0.0439	0.0479		100.00 (a)
Aroclor-1260	14.480	18.320	8860	5301	2.12	2.37	80.00- 120.00	100.00
	15.283	18.720	17632	12104	2.11	2.36	179.01- 219.01	199.01
	16.220	20.300	12478	6034	2.10	2.39	120.84- 160.84	140.84
	Average of Peak Amounts =				2.11	2.37		

AL
12/15/97

Data File: \Organic\SVOA\E3.i\971203F.B\E3A1613F.D
Report Date: 15-Dec-1997 14:41

QC Flag Legend

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

Last Page of Data Report



Client: Vanasse Hangen Brustlin, Inc.

Client Project: 05437, Boliden Metech

Lab Project: D2057

Date samples received: 12/17/97

Project Narrative

This data report includes the analysis results for two (2) soil samples that were received from Vanasse Hangen Brustlin, Inc. on December 17, 1997. 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.

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 cursive script, which appears to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1217-B1
Analysis: Method 8080

Analysis Date: 12/17/97
Matrix: Solid
Concentration in: ug/kg
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

QC Batch: P1217-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 107%
Decachlorobiphenyl 105%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.

Lab ID for Blank Spike: P1217-LCS1

Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 12/17/97

<u>Analyte</u>	<u>% Recovery</u>
2,4,4' - Trichlorobiphenyl	107
Hexachlorobiphenyl	115

QC Batch: P1217-B1

005



PCB Data Summary

Client: VHB, Inc.

Concentration in: mg/kg, dry weight basis

<u>Lab ID</u>	<u>Client ID</u>	<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>AR1260</u>	<u>% Surrogate Recovery</u>	
						<u>TCMX</u>	<u>DCB</u>
D2057-01	K2-C3	<200	<200	<200	<200	107	105
D2057-02	K2-C3 (D)	<210	<210	<210	<210	94	95
Method Blank		<170	<170	<170	<170	107	105

005A

MITKEM CORPORATION

Lab Project #: D2057 **R1**

Client Name: **Vanasse Hangen Brustlin, Inc.**

Client Proj #: **05437**

Client PO #: **05437**

Project Name: **Boliden Metech**

Date Due: **12/19/97**

Total Price: \$ **-**

Project Mgr: **PAS**

Salesman: **PAS**

DelReq'd: **NA**

Completed?: **YES**

Logged In By: RAM

Reviewed By: PAS

Date: 12/18/97 Time: 9:32

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-01	K2-C3	SL	PCBs 8080		12/17/97	12/17/97					1					
-02	K2-C3 (D)	SL	PCBs 8080		12/17/97	12/17/97					1					

NOTES: R1: Due date change.

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

006

MITKEM CORPORATION

Sample Condition Form

Received By: _____	Reviewed By: _____	Date: <u>12/17/97</u>	MITKEM Project: <u>D2057</u>			
Client Project: _____		Client: _____				
Condition:	Sample ID	Preservation (pH)				Comments/Remarks/ Corrective Action
	Lab Client	HNO ₃	H ₂ SO ₄	HCl	NaOH	
1) Custody Seal(s)	Present/Absent Coolers/Bottles Intact/Broken	<u>-01</u>	<u>K2-C3</u>			
		<u>-02</u>	<u>K2-C3(P)</u>			
2) Custody Seal Number(s)	<u>N/A</u>					
3) Chain-of-Custody	Present/Absent					
4) Cooler Temperature Coolant Condition	<u>N/A</u>					
5) Airbill(s) Airbill Number(s)	Present/Absent					
6) Sample Bottles	Intact Broken Leaking					
7) Date Received	<u>12/17/97</u>					
8) Time Received	<u>8:45 am</u>					
9) Project Due Date	_____					

Sample Chromatograms

Thru-Put Systems, Inc.

8080 Pesticide/PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\971216R.B\E1A3685R.D
 Lab Smp Id: D2057-01 Client Smp ID: K2-C3
 Inj Date : 17-DEC-1997 22:38
 Operator : jfs Inst ID: E1.i
 Smp Info : D2057-01
 Misc Info : 0,,2,,25000,,15,,,17-DEC-97
 Comment :
 Method : \Organic\SVOA\E1.I\971216R.B\elPCBvvhb-r.m
 Meth Date : 18-Dec-1997 12:30 mtl Quant Type: ESTD
 Cal Date : 17-DEC-1997 20:38 Cal File: E1A3682R.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.40
 Processing Host: TARGET2

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	17.000	% Moisture

CONCENTRATIONS

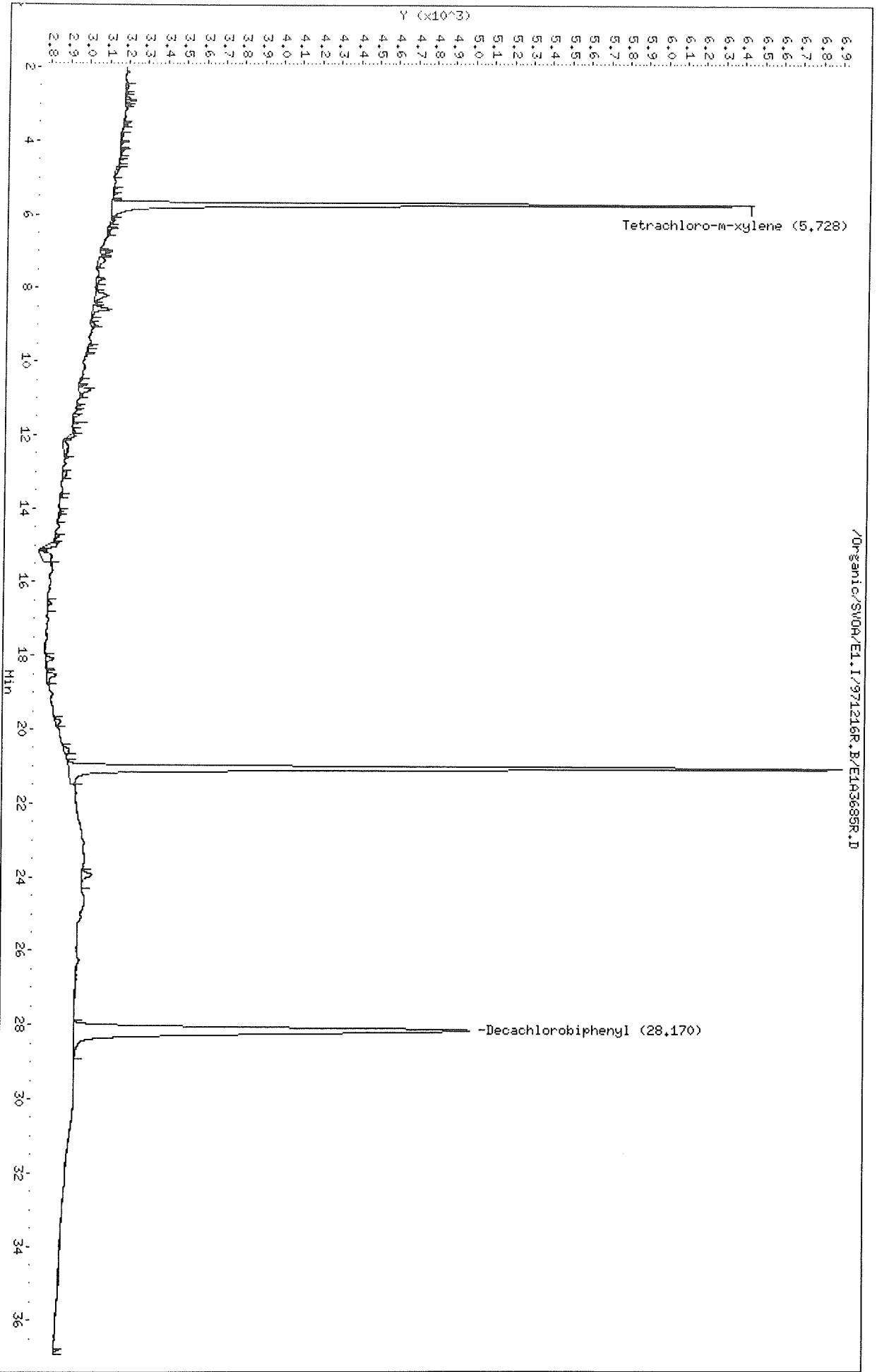
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ng)	(ug/Kg)	=====	=====
\$ 1						
5.728	5.735	-0.007	3328	0.03508		35.2

\$ 2						
28.170	28.178	-0.008	2047	0.03484		35.0

GL
12/18/97

Data File: /Organic/SW04/EL1.I/971216R.B/EA3685R.D
Date: 17-DEC-1997 22:38
Client ID: K2-C3
Sample Info: D2057-01
Volume Injected (uL): 2.0
Column Phase: DB-608

Instrument: EL1
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

8080 Pesticide/PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\971216R.B\E1A3686R.D
 Lab Smp Id: D2057-02 Client Smp ID: K2-C3 (D)
 Inj Date : 17-DEC-1997 23:18
 Operator : jfs Inst ID: E1.i
 Smp Info : D2057-02
 Misc Info : 0,,,2,,25000,,15,,,17-DEC-97
 Comment :
 Method : \Organic\SVOA\E1.I\971216R.B\elPCBvhb-r.m
 Meth Date : 18-Dec-1997 12:30 mtl Quant Type: ESTD
 Cal Date : 17-DEC-1997 20:38 Cal File: E1A3682R.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.40
 Processing Host: TARGET2

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	21.000	% Moisture

CONCENTRATIONS

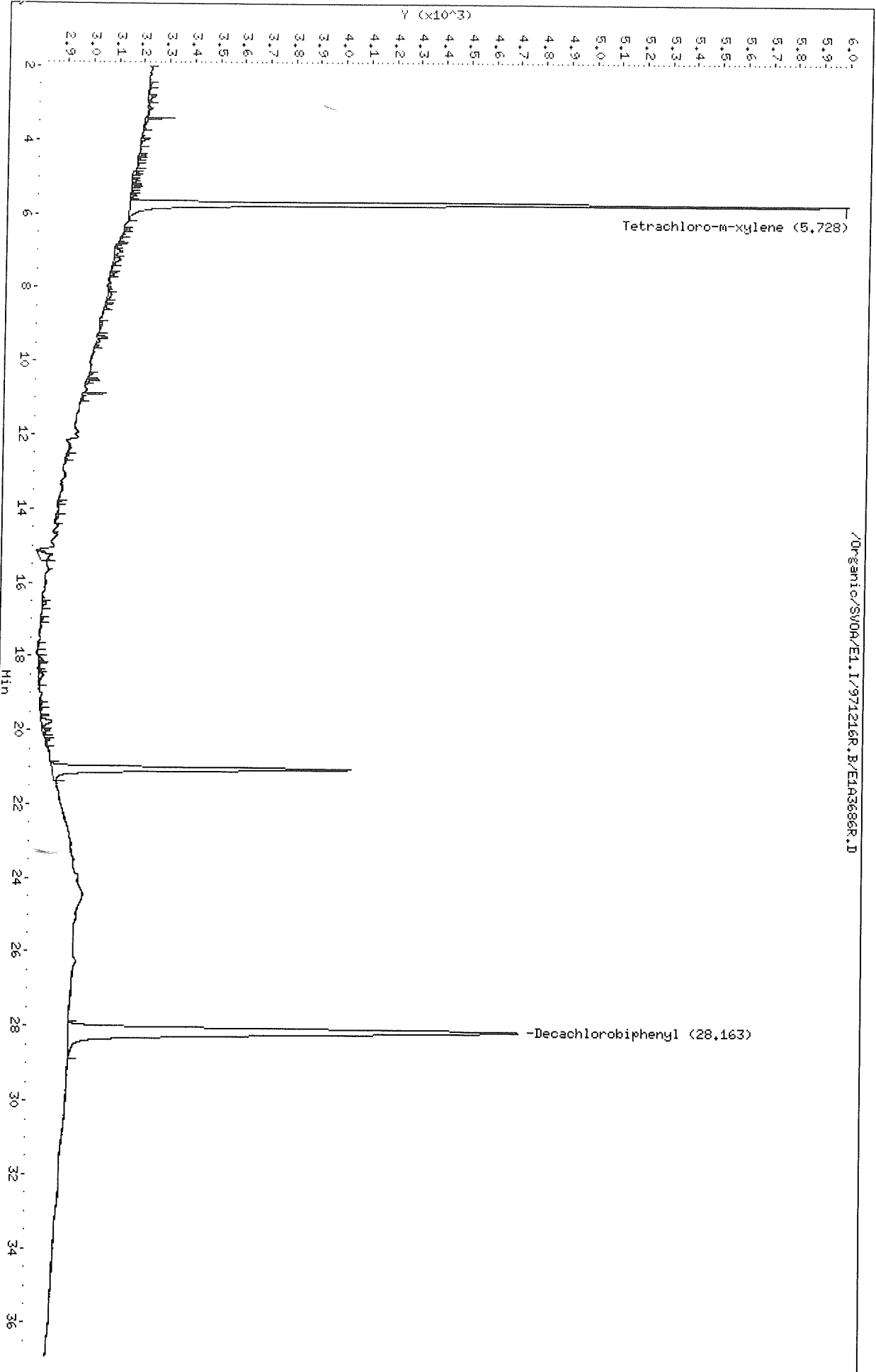
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ng)	(ug/Kg)	=====	=====
\$ 1	Tetrachloro-m-xylene		CAS #: 877-09-8			
5.728	5.735	-0.007	2854	0.03008	31.7	
\$ 2	Decachlorobiphenyl		CAS #: 2051-24-3			
28.163	28.178	-0.015	1783	0.03035	32.0	

6L
12/18/97

Data File: /Organic/SV0R/EL.I/971216R.B/EL1A3686R.D
Date: 17-DEC-1997 23:18
Client ID: K2-C3 (D)
Sample Info: D2057-02
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: EL.i
Operator: jfs
Column diameter: 0.53

/Organic/SV0R/EL.I/971216R.B/EL1A3686R.D



Data File: \Organic\SVOA\E1.I\971216R.B\E1A3683R.D
 Report Date: 18-Dec-1997 13:16

Thru-Put Systems, Inc.

8080 Pesticide/PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\971216R.B\E1A3683R.D
 Lab Smp Id: P1217-B1 Client Smp ID: PBLK01
 Inj Date : 17-DEC-1997 21:18
 Operator : jfs Inst ID: E1.i
 Smp Info : P1217-B1,PBLK01,P1217-B1
 Misc Info : 3,,BLANK,2,,,,,,17-DEC-97
 Comment :
 Method : \Organic\SVOA\E1.I\971216R.B\elPCBvvhb-r.m
 Meth Date : 18-Dec-1997 12:30 mtl Quant Type: ESTD
 Cal Date : 17-DEC-1997 20:38 Cal File: E1A3682R.D
 Als bottle: 1 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.40
 Processing Host: TARGET2

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weighth of sample extracted (g)
M	0.000	% Moisture

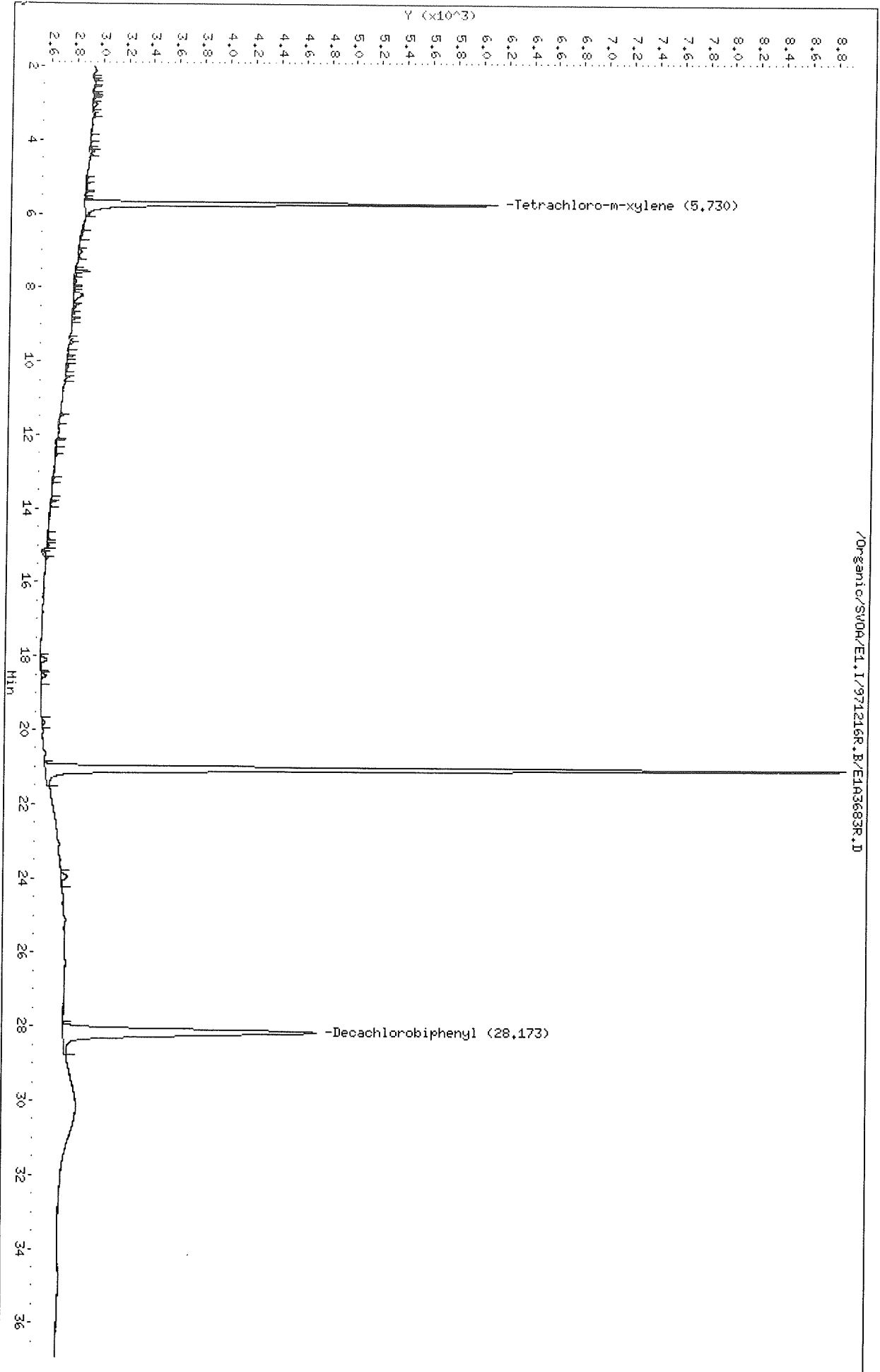
CONCENTRATIONS

RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	RESPONSE (ng)	(ug/Kg)	=====	=====
\$ 1	Tetrachloro-m-xylene		CAS #: 877-09-8			
5.730	5.735	-0.005	3244	0.03419	28.5	
\$ 2	Decachlorobiphenyl		CAS #: 2051-24-3			
28.173	28.178	-0.005	1982	0.03374	28.1	

GL
12/18/97

Data File: /Organic/SW04/El.I/971216R.B/E1A3683R.D
Date: 17-DEC-1997 21:18
Client ID: PRLK01
Sample Info: P1217-B1,PRLK01,P1217-B1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: El.i
Operator: jfs
Column diameter: 0.53



Thru-Put Systems, Inc.

8080 Pesticide/PCB Quantitation Report

Data file : \Organic\SVOA\E1.I\971216R.B\E1A3684R.D
 Lab Smp Id: P1217-LCS1 Client Smp ID: PBLK01LCS
 Inj Date : 17-DEC-1997 21:58
 Operator : jfs Inst ID: E1.i
 Smp Info : P1217-LCS1,PBLK01LCS,P1217-B1
 Misc Info : 3,,LCS,2,,,,,,17-DEC-97
 Comment :
 Method : \Organic\SVOA\E1.I\971216R.B\elPCBvvhb-r.m
 Meth Date : 18-Dec-1997 12:30 mtl Quant Type: ESTD
 Cal Date : 17-DEC-1997 20:38 Cal File: E1A3682R.D
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 3.40
 Processing Host: TARGET2

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	25000.000	Volume of final extract (uL) (1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	15.000	Weigth of sample extracted (g)
M	0.000	% Moisture

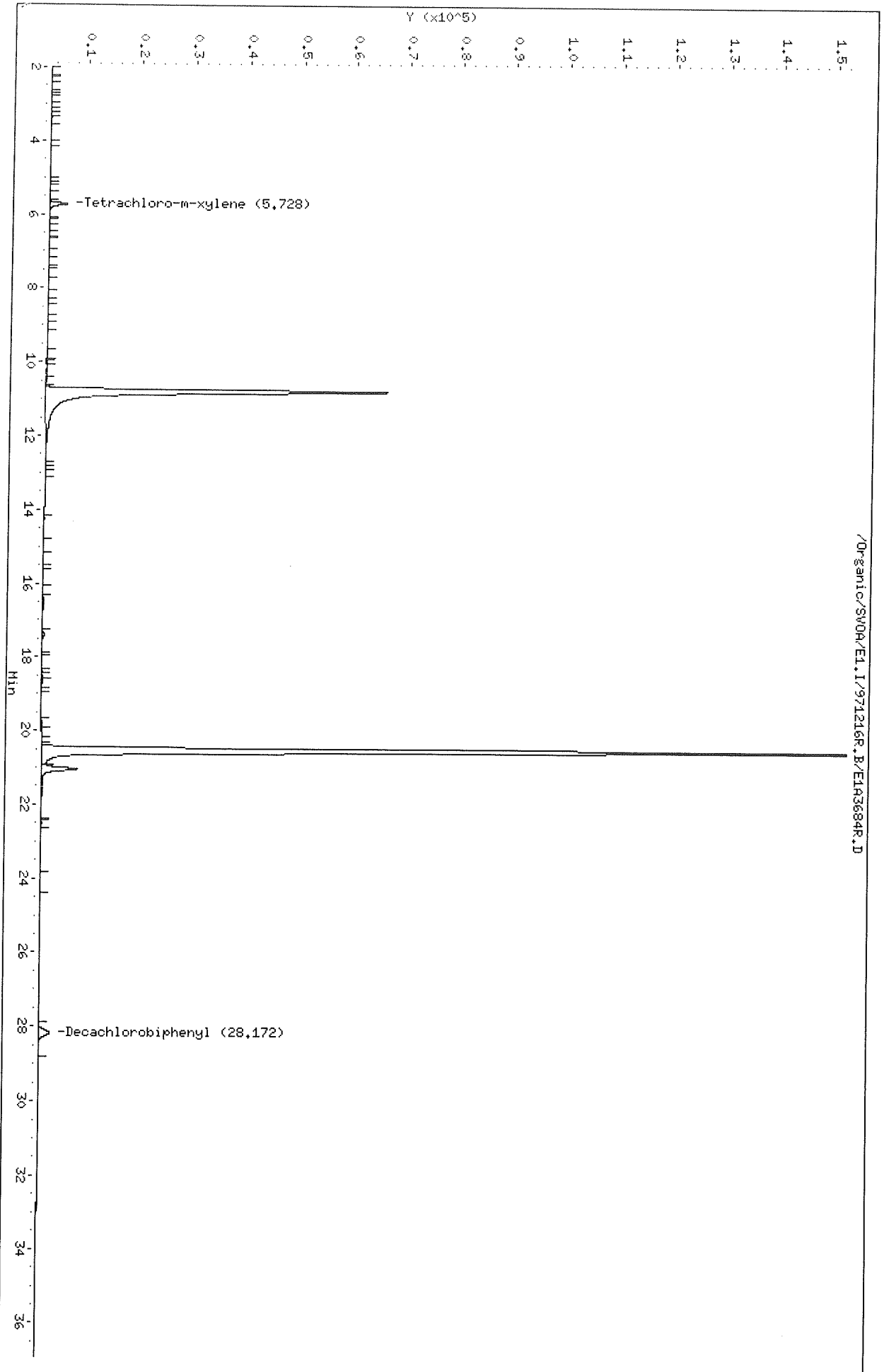
CONCENTRATIONS

RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
§ 1 Tetrachloro-m-xylene CAS #: 877-09-8						
5.728	5.735	-0.007	3314	0.03493	29.1	
§ 2 Decachlorobiphenyl CAS #: 2051-24-3						
28.172	28.178	-0.006	2134	0.03632	30.3	
3 2,4,4'-Trichlorobiphenyl CAS #: 7012-37-5						
10.790	10.792	-0.002	63706	2.15333	1790	
4 Hexachlorobiphenyl CAS #: 38380-07-3						
20.533	20.537	-0.004	150044	2.30974	1920	

GL
12/18/97

Data File: /Organic/SV04/El.I/971216R.B/EI43684R.D
Date: 17-DEC-1997 21:58
Client ID: PBLK01LCS
Sample Info: P1217-LCS1,PBLK01LCS,P1217-R1
Volume Injected (uL): 2.0
Column phase: DB-608

Instrument: EI.I
Operator: jfs
Column diameter: 0.53



Last Page of Data Report



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1221-B3
Analysis: Method 8080

Analysis Date: 1/7/98
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: P1221-B3

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 82%
Decachlorobiphenyl 39%

ND = Not Detected



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.

Lab ID for Blank Spike: P1221-LCS3

Analysis: Method 8080

Matrix: Aqueous

Analysis Date for Blank Spike: 1/7/98

<u>Analyte</u>	<u>% Recovery</u>
Aroclor 1016	92
Aroclor 1260	99

QC Batch: P1221-B3

MITKEM CORPORATION

Lab Project #: D2058

Client Name: **Vanasse Hangen Brustlin, Inc.**

Client Proj #: **05437**

Client PO #: **05437**

Project Name: **Boliden Metech**

Date Due: **12/24/97**

Total Price: \$ **-**

Project Mgr: **PAS**

Salesman: **PAS**

Del Req'd: **NA**

Completed?: **YES**

Logged In By: LAKE

Reviewed By: PAS

Date: 12/16/97 Time: 9:30

<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	SERB-1	AQ	PCBs 8080		12/17/97	12/17/97	0	0	0	0	1	0	0	0	0	0

NOTES:

ORIGINAL REPORT GOES TO:

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

Attn: Dave Carlson
Phone: 617 924-1770
Fax: 617 923-2336

INVOICE GOES TO:

Same
Attn: Accounts Payable

ADDITIONAL REPORT GOES TO:

None

005

MITKEM CORPORATION

Sample Condition Form

Received By: <u>AS</u>	Reviewed By:	Date: <u>12/12/97</u>	MITKEM Project: <u>12058</u>
Client Project: <u>Bolizden</u>		Client: <u>VH-13</u>	

Condition:	Sample ID		Preservation (pH)				Comments/Remarks/ Corrective Action
	Lab	Client	HNO ₃	H ₂ SO ₄	HCl	NaOH	
	<u>-01</u>	<u>5225-1</u>					
1) Custody Seal(s)	Present/Absent <u>Present</u>						
	Coolers/Bottles <u>Bottles</u>						
	Intact/Broken						
2) Custody Seal Number(s)	<u>N/A</u>						
3) Chain-of-Custody	Present/Absent <u>Present</u>						
4) Cooler Temperature	<u>N/A</u>						
Coolant Condition							
5) Airbill(s)	Present/Absent <u>Absent</u>						
Airbill Number(s)							
6) Sample Bottles	Intact <u>Intact</u>						
	Broken						
	Leaking						
7) Date Received	<u>12/12/97</u>						
8) Time Received	<u>8:45</u>						
9) Project Due Date							

Last Page of Data Report