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File: 541.460.000n
C.H.



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 666

SEVERN
TRENT
SERVICES

STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238-1330

Tel: 412 820 8380
Fax: 412 820 2080
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. UXB 7512-060

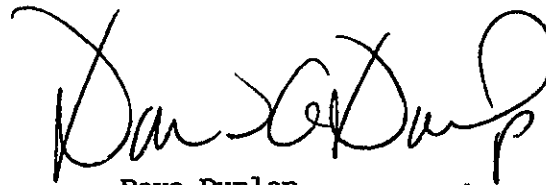
Dunn Field, Def Depot Memphis

Lot #: C0G270302

Frank Johnson

UXB International

SEVERN TRENT LABORATORIES, INC.



Dave Dunlap
Project Manager

August 17, 2000

**CASE NARRATIVE
UXB International Inc.
Dunn Field**

LOT # C0G270302

Sample Receiving:

STL Pittsburgh received a sample on July 27, 2000 in good condition and within the proper temperature range.

Volatiles:

Due to the concentration of chloroform detected, DF/S1/0208/IDW/002 was analyzed undiluted and at a 100X dilution. Both sets of results were reported.

Semivolatiles:

The sample had low surrogate recoveries. The sample was reextracted within the holding time. The reanalysis also had low surrogate recoveries, confirming a matrix interference. Only the first analysis was reported.

The sample was analyzed at a 2X dilution due to matrix.

Pesticides:

The surrogate recovery for TCX on column DB608 was above the control limits. The recovery on column DB608 was within control limits.

PCBs:

There were no problems associated with the analysis.

Herbicides:

The sample was analyzed at a 100X dilution due to matrix. The surrogate was diluted out.

Metals:

DF/S1/0208/IDW/002 and its matrix spikes were over the instrument's linear range for sodium and required dilution.

For the matrix spike and matrix spike duplicate, sodium recoveries were not calculated due to the concentration of analyte in the sample being >4 times the concentration of spike added.

General Chemistry:

The matrix spike and matrix spike duplicate recoveries for cyanide were 0%. The recovery of the laboratory control sample was within control limits.

METHODS SUMMARY

COG270302

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH Aqueous	SW846 9040	SW846 9040
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Cyanide, Total	SW846 9012A	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Organochlorine Pesticides	SW846 8081A	SW846 3510C
Pensky-Martens Method for Determining Ignitability	SW846 1010	SW846 1010
PCBs by SW-846 8082	SW846 8082	SW846 3510C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Sulfide	MCAWW 376.1	MCAWW 376.1
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

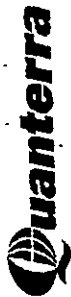
SAMPLE SUMMARY

C0G270302

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DGXL3	001	DF/S1/0208/IDW/002	07/26/00	10:00

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



Quanterra, Inc. - Pittsburgh PA Lab
450 William Pitt Way
Pittsburgh PA 15238

Chain of Custody Record

[illegible]

_____ Date: _____

Cooler Receipt Form
STL Pittsburgh

Client: UKB Project: _____ Quote: _____
 Cooler Rec'd & Opened for Temp. Check on: 7/27/00
 Coolers Opened and Unpacked on: 7/27/00 By: [Signature]
 (Signature)

STL Pittsburgh Lot Number: C06270302

	Yes	No
1. Were custody seals on the outside of the cooler? _____	☒	☐
If YES, how many and where? Quantity <u>1</u> Location <u>1st</u>		
Were signatures and date correct? _____	☒	☐
2. Were custody papers included inside the cooler? _____	☒	☐
3. Were custody papers properly filled out (ink, signed, match labels)? _____	☒	☐
4. Did you sign the custody papers in the appropriate place? _____	☒	☐
5. Was shippers packing slip attached to this form? _____	☒	☐
6. Were packing materials used? _____	☒	☐
If YES, what type? <u>Bubble Pack Duck Tape</u>		
7. Were the samples chilled? (Record temperatures on reverse side.) _____	☒	☐
8. Were the samples appropriately preserved? _____	☒	☐
9. Were all bottles sealed in separate plastic bags? _____	☒	☐
10. Did all bottles arrive in good condition (unbroken)? _____	☒	☐
11. Were all bottle labels complete (sample ID, preservatives, etc.)? _____	☒	☐
12. Did all bottle labels and/or tags agree with custody papers? _____	☒	☐
13. Were correct bottles used for tests indicated? _____	☒	☐
14. Were all VOA vials checked for the presence of air bubbles? _____	☒	☐
15. Was a sufficient amount of sample sent in each bottle? _____	☒	☐
16. Samples received by: <u>FEDEX</u> UPS CLIENT DROP-OFF OTHER AIRBORNE		

Explain any discrepancies: _____

Level 2 Review _____
 Was contacted on _____ by _____ to resolve discrepancies.

STL Pittsburgh

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P: Preserved

UP: Unpreserved

[illegible]

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments:

Cooler Number

Temperature

[illegible]

Bottle Type

Lot Number*

[illegible]

* Please use an asterisk if bottle lot number was covered by the label.

STL Pittsburgh

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SBCCOM
Monitoring Branch Laboratory

CLEARANCE REPORT

JULY 26, 2000

Dunn Field, Memphis Defense Depot

Results for CWM Soil Sample Analysis

Analyst: Christopher Druyor

Sample#		1,4- Thioxane	1,4- Dithiane	TDG	Mustard	Lewisite
DF/S1/02 08/IDW/ 002		ND	ND	N/A	ND	ND

ND= Not detected at or above the method detection limit (MDL)

MDL= 200 ppb

BDL= Below detection limit, results > 100ppb, but < 200 ppb

MS= matrix spike

MSD= matrix spike duplicate

DUP= duplicate

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DATA SUMMARY PACKAGE

GC/MS VOLATILE SUMMARY

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	32	B
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	19	
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	6.4	J
78-93-3	2-Butanone	17	J
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	45	
67-66-3	Chloroform	5300	B
74-87-3	Chloromethane	72	
75-34-3	1,1-Dichloroethane	2.9	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.5	
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U

Lab Name: Severn Trent Laboratories, Inc. SDG Number:
Matrix: (soil/water) WATER Lab Sample ID: C0G270302 001
Method: SW846 8260B
 Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 07/27/00
Work Order: DGXL3101 Date Extracted: 07/31/00
Dilution factor: 1 Date Analyzed: 07/31/00
Moisture %: NA

 QC Batch: 0213172
Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	5.0	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3201

Date Extracted: 07/31/00

Dilution factor: 100

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002 -RE 1

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	350	J B
71-43-2	Benzene	500	U
75-27-4	Bromodichloromethane	500	U
75-25-2	Bromoform	500	U
74-83-9	Bromomethane	200	J
78-93-3	2-Butanone	2000	U
75-15-0	Carbon disulfide	500	U
56-23-5	Carbon tetrachloride	500	U
108-90-7	Chlorobenzene	500	U
124-48-1	Dibromochloromethane	500	U
75-00-3	Chloroethane	1000	U
67-66-3	Chloroform	10000	
74-87-3	Chloromethane	180	J
75-34-3	1,1-Dichloroethane	500	U
107-06-2	1,2-Dichloroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
540-59-0	1,2-Dichloroethene (total)	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
100-41-4	Ethylbenzene	500	U
591-78-6	2-Hexanone	2000	U
75-09-2	Methylene chloride	500	U
108-10-1	4-Methyl-2-pentanone	2000	U
100-42-5	Styrene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
127-18-4	Tetrachloroethene	500	U
108-88-3	Toluene	500	U

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G270302 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 07/27/00
Work Order: DGXL3201 Date Extracted: 07/31/00
Dilution factor: 100 Date Analyzed: 07/31/00
Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002 -RE 1

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
79-01-6	Trichloroethene	500	U
75-01-4	Vinyl chloride	1000	U
1330-20-7	Xylenes (total)	500	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G310000 172

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/29/00

Work Order: DH3J1102

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
71-43-2	Benzene	53.1	
108-90-7	Chlorobenzene	50.7	
75-35-4	1,1-Dichloroethene	53.8	
108-88-3	Toluene	54.8	
79-01-6	Trichloroethene	49.2	

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0G270302

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
	=====	=====	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	99	95	90	104	00
02	DF/S1/0208/IDW/002 RE-1	106	104	92	109	00
03	INTRA-LAB QC	113	108	91	110	00
04	METHOD BLK. DH3J1101	103	104	81	105	00
05	LCS DH3J1102	106	104	83	103	00
06	LAB MS/MSD D	104	106	97	103	00
07	LAB MS/MSD S	104	104	95	101	00

SURROGATES

SRG01 = 1,2-Dichloroethane-d4
 SRG02 = Toluene-d8
 SRG03 = 4-Bromofluorobenzene
 SRG04 = Dibromofluoromethane

QC LIMITS

(77-120)
 (78-111)
 (80-114)
 (78-110)

Column to be used to flag recovery values
 * Values outside of required QC Limits
 D System monitoring Compound diluted out

FORM II

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: COG310000

WO #: DH3J1102

BATCH: 0213172

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	53.8	108	65 - 119	
Trichloroethene	50.0	49.2	98	80 - 122	
Benzene	50.0	53.1	106	79 - 116	
Toluene	50.0	54.8	110	76 - 119	
Chlorobenzene	50.0	50.7	101	81 - 115	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: ___0___ out of ___5___ outside limits

COMMENTS:

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C0G290144

WO #: DH2PT10U

BATCH: 0213172

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	ND	50.4	101	57- 138	
Trichloroethene	50.0	ND	51.5	103	58- 141	
Benzene	50.0	ND	56.6	113	73- 123	
Toluene	50.0	ND	57.9	116	67- 129	
Chlorobenzene	50.0	ND	53.5	107	70- 122	

NOTES (S) :

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 0 out of 5 outside limits

COMMENTS:

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C0G290144

WO #: DH2PT10V

BATCH: 0213172

COMPOUND	SPIKE	MSD	MSD	QC LIMITS			QUAL
	ADDED (ug/L)	CONCENT. (ug/L)	% REC	% RPD	RPD	REC	
1,1-Dichloroethene	50.0	53.7	107	6.3	20	57- 138	
Trichloroethene	50.0	52.9	106	2.7	20	58- 141	
Benzene	50.0	57.3	115	1.1	20	73- 123	
Toluene	50.0	60.7	121	4.8	20	67- 129	
Chlorobenzene	50.0	56.5	113	5.6	20	70- 122	

NOTES (S) :

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 5 outside limits
 Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

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Lab Name: Severn Trent Laboratories, Inc.

DH3J1101

Lab Code: QESPIT

SDG Number:

Lab File ID: MB30731.D

Lot Number: C0G270302

Date Analyzed: 07/31/00

Time Analyzed: 07:03

Matrix: WATER

Date Extracted: 07/31/00

GC Column: RTX-624 ID: .18

Extraction Method: 5030

Instrument ID: HP3

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS, MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	=====	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	DGXL3101	3073110.D	07/31/00	10:54
02	DF/S1/0208/IDW/002	DGXL3201	3073112.D	07/31/00	11:40
03	INTRA-LAB QC	DH2PT10R	3073105.D	07/31/00	08:58
04	LAB MS/MSD	DH2PT10U S	3073108.D	07/31/00	10:08
05	LAB MS/MSD	DH2PT10V D	3073109.D	07/31/00	10:31
06	CHECK SAMPLE	DH3J1102 C	3073104.D	07/31/00	08:35
07					
08					
09					
10					
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26					
27					
28					
29					
30					

COMMENTS:

FORM IV

UXB INTERNATIONAL
 METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG310000 172

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/29/00

Work Order: DH3J1101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: INTRA-LAB BLANK

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	2.4	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	20	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G310000 172

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/29/00

Work Order: DH3J1101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	5.0	U

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): 1C30731

Date Analyzed: 07/31/00

Instrument ID: HP3

Time Analyzed: 0630

GC Column: DB 624

ID: 0.18 (mm)

Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DCB)	RT #	IS3	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	151575	9.87	295499	12.20	576775	6.75
UPPER LIMIT	303150	10.07	590998	12.40	1153550	6.95
LOWER LIMIT	75788	9.67	147750	12.00	288388	6.55
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	134165	9.87	209850	12.19	549881	6.75
02 INTRA-LAB CH	131352	9.87	190319	12.19	504959	6.75
03 DF/S1/0208/I	125533	9.87	213258	12.19	500183	6.75
04 DF/S1/0208/I	122155	9.87	196800	12.19	491080	6.76
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DCB) = 1,4-Dichlorobenzene-d4

IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.20 minutes of internal standard RT

RT LOWER LIMIT = - 0.20 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

GC/MS SEMIVOLATILE SUMMARY

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	40	U
83-32-9	Acenaphthene	20	U
208-96-8	Acenaphthylene	20	U
120-12-7	Anthracene	20	U
56-55-3	Benzo(a)anthracene	20	U
50-32-8	Benzo(a)pyrene	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
191-24-2	Benzo(ghi)perylene	20	U
111-91-1	bis(2-Chloroethoxy)methane	20	U
111-44-4	bis(2-Chloroethyl) ether	20	U
117-81-7	bis(2-Ethylhexyl) phthalate	29	
101-55-3	4-Bromophenyl phenyl ether	20	U
85-68-7	Butyl benzyl phthalate	20	U
86-74-8	Carbazole	20	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	20	U
95-57-8	2-Chlorophenol	20	U
7005-72-3	4-Chlorophenyl phenyl ether	20	U
218-01-9	Chrysene	20	U
53-70-3	Dibenz(a,h)anthracene	20	U
132-64-9	Dibenzofuran	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
91-94-1	3,3'-Dichlorobenzidine	100	U
120-83-2	2,4-Dichlorophenol	20	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
84-66-2	Diethyl phthalate	20	U
105-67-9	2,4-Dimethylphenol	20	U
131-11-3	Dimethyl phthalate	20	U
84-74-2	Di-n-butyl phthalate	20	U
117-84-0	Di-n-octyl phthalate	20	U
51-28-5	2,4-Dinitrophenol	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
121-14-2	2,4-Dinitrotoluene	20	U
606-20-2	2,6-Dinitrotoluene	20	U
206-44-0	Fluoranthene	20	U
86-73-7	Fluorene	20	U
118-74-1	Hexachlorobenzene	20	U
87-68-3	Hexachlorobutadiene	20	U
77-47-4	Hexachlorocyclopentadiene	100	U
67-72-1	Hexachloroethane	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	U
78-59-1	Isophorone	20	U
91-57-6	2-Methylnaphthalene	20	U
95-48-7	2-Methylphenol	20	U
106-44-5	4-Methylphenol	20	U
91-20-3	Naphthalene	20	U
88-74-4	2-Nitroaniline	100	U
99-09-2	3-Nitroaniline	100	U
100-01-6	4-Nitroaniline	100	U
98-95-3	Nitrobenzene	20	U
88-75-5	2-Nitrophenol	20	U
100-02-7	4-Nitrophenol	100	U
621-64-7	N-Nitrosodi-n-propylamine	20	U

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COG270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	20	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	20	U
108-95-2	Phenol	20	U
129-00-0	Pyrene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
95-95-4	2,4,5-Trichlorophenol	20	U
88-06-2	2,4,6-Trichlorophenol	20	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

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29

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH105

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	41.2	
59-50-7	4-Chloro-3-methylphenol	60.1	
95-57-8	2-Chlorophenol	58.4	
106-46-7	1,4-Dichlorobenzene	37.9	
121-14-2	2,4-Dinitrotoluene	39.9	
100-02-7	4-Nitrophenol	62.6	
621-64-7	N-Nitrosodi-n-propylamine	34.7	
87-86-5	Pentachlorophenol	73.2	
108-95-2	Phenol	54.8	
129-00-0	Pyrene	46.4	
120-82-1	1,2,4-Trichlorobenzene	39.9	

FORM I

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UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COG290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH106

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	33.6	
59-50-7	4-Chloro-3-methylphenol	59.7	
95-57-8	2-Chlorophenol	49.8	
106-46-7	1,4-Dichlorobenzene	31.8	
121-14-2	2,4-Dinitrotoluene	38.6	
100-02-7	4-Nitrophenol	80.4	
621-64-7	N-Nitrosodi-n-propylamine	34.1	
87-86-5	Pentachlorophenol	71.3	
108-95-2	Phenol	48.4	
129-00-0	Pyrene	29.3	p
120-82-1	1,2,4-Trichlorobenzene	32.8	

FORM I

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: COG270302

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	8.7*	17 *	83	18	0.9*	0.0*	04
02	METHOD BLK. DH2FH104	63	57	61	61	58	84	00
03	LCS DH2FH105	77	82	77	99	72	94	00
04	LCSD DH2FH106	68	61	64	62	62	85	00

SURROGATES

SRG01 = Phenol-d5
 SRG02 = 2-Fluorobiphenyl
 SRG03 = Nitrobenzene-d5
 SRG04 = Terphenyl-d14
 SRG05 = 2-Fluorophenol
 SRG06 = 2,4,6-Tribromophenol

QC LIMITS

(10-113)
 (30-110)
 (32-112)
 (10-144)
 (13-110)
 (21-122)

Column to be used to flag recovery values
 * Values outside of required QC Limits
 D System monitoring Compound diluted out

FORM II

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G290000

WO #: DH2FH105

BATCH: 0211096

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	54.8	73	10 - 131	
2-Chlorophenol	75.0	58.4	78	19 - 124	
1,4-Dichlorobenzene	50.0	37.9	76	28 - 110	
N-Nitrosodi-n-propylamine	50.0	34.7	69	30 - 115	
1,2,4-Trichlorobenzene	50.0	39.9	80	31 - 110	
4-Chloro-3-methylphenol	75.0	60.1	80	29 - 124	
Acenaphthene	50.0	41.2	82	39 - 118	
4-Nitrophenol	75.0	62.6	83	19 - 144	
2,4-Dinitrotoluene	50.0	39.9	80	47 - 131	
Pentachlorophenol	75.0	73.2	98	10 - 140	
Pyrene	50.0	46.4	93	46 - 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: COG290000

WO #: DH2FH106

BATCH: 0211096

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Phenol	75.0	48.4	65	10- 131	
2-Chlorophenol	75.0	49.8	66	19- 124	
1,4-Dichlorobenzene	50.0	31.8	64	28- 110	
N-Nitrosodi-n-propylamine	50.0	34.1	68	30- 115	
1,2,4-Trichlorobenzene	50.0	32.8	66	31- 110	
4-Chloro-3-methylphenol	75.0	59.7	80	29- 124	
Acenaphthene	50.0	33.6	67	39- 118	
4-Nitrophenol	75.0	80.4	107	19- 144	
2,4-Dinitrotoluene	50.0	38.6	77	47- 131	
Pentachlorophenol	75.0	71.3	95	10- 140	
Pyrene	50.0	29.3	59	46- 130	p

NOTES (S) :

p Relative percent difference (RPD) is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

DH2FH104

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: S0801024.

Lot Number: C0G270302

Date Analyzed: 08/01/00

Time Analyzed: 17:02

Matrix: WATER

Date Extracted: 07/28/00

GC Column: DB5MS ID: .25

Extraction Method: 3520C

Instrument ID: 71

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	DF/S1/0208/IDW/002	DGXL3102	S0802021.	08/02/00	14:37
02	CHECK SAMPLE	DH2FH105 C	S0802002.	08/02/00	11:57
03	DUPLICATE CHECK	DH2FH106 L	S0801026.	08/01/00	18:06
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G290000 096
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 07/27/00
Work Order: DH2FH104 Date Extracted: 07/28/00
Dilution factor: 1 Date Analyzed: 08/01/00
Moisture %: NA

QC Batch: 0211096

Client Sample Id: INTRA-LAB BLANK

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl) ether	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
86-74-8	Carbazole	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	50	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U

FORM I

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UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethyl phthalate	10	U
84-74-2	Di-n-butyl phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
51-28-5	2,4-Dinitrophenol	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	50	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
86-30-6	N-Nitrosodiphenylamine	10	U

FORM I

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U

FORM I

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0801CCC

Date Analyzed: 08/01/00

Instrument ID: 71

Time Analyzed: 1206

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	142133	4.48	522897	5.88	252482	8.69
UPPER LIMIT	284266	4.98	1045794	6.38	504964	9.19
LOWER LIMIT	71067	3.98	261449	5.38	126241	8.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	78167	4.47	311889	5.87	194720	8.68
02 INTRA-LAB CH	75390	4.48	302682	5.87	191557	8.68
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: COG270302

Lab File ID (Standard): S0801CCC

Date Analyzed: 08/01/00

Instrument ID: 71

Time Analyzed: 1206

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	364178	11.86	375338	18.39	483260	21.71
UPPER LIMIT	728356	12.36	750676	18.89	966520	22.21
LOWER LIMIT	182089	11.36	187669	17.89	241630	21.21
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	416468	11.85	674111	18.38	454566	21.70
02 INTRA-LAB CH	415476	11.86	663366	18.38	470762	21.70
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

666 40 FORM 8 SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0802CCC

Date Analyzed: 08/02/00

Instrument ID: 71

Time Analyzed: 1125

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	84103	4.47	304747	5.87	159533	8.67
UPPER LIMIT	168206	4.97	609494	6.37	319066	9.17
LOWER LIMIT	42052	3.97	152374	5.37	79767	8.17
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB CH	66581	4.47	251530	5.87	128196	8.68
02 DF/S1/0208/I	62313	4.47	243309	5.87	143749	8.68
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0802CCC

Date Analyzed: 08/02/00

Instrument ID: 71

Time Analyzed: 1125

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	287019	11.84	322089	18.37	373705	21.69
UPPER LIMIT	574038	12.34	644178	18.87	747410	22.19
LOWER LIMIT	143510	11.34	161045	17.87	186853	21.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB CH	210563	11.85	196266	18.37	218142	21.69
02 DF/S1/0208/I	278216	11.85	331011	18.38	301993	21.70
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

PESTICIDE SUMMARY

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG270302 001
 Method: SW846 8081A
 Pesticides (8081A)

Sample WT/Vol: 1000 / mL Date Received: 07/27/00
 Work Order: DGXL3103 Date Extracted: 07/28/00
 Dilution factor: 1 Date Analyzed: 08/01/00
 Moisture %: NA

QC Batch: 0210439

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.019	J P
58-89-9	gamma-BHC (Lindane)	0.050	U
5103-71-9	alpha-Chlordane	0.014	J P
5103-74-2	gamma-Chlordane	0.014	J P
72-54-8	4,4'-DDD	0.034	J P
72-55-9	4,4'-DDE	0.050	U
50-29-3	4,4'-DDT	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
53494-70-5	Endrin ketone	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.094	P
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	2.0	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 439

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KH102

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: CHECK SAMPLE

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.192	
58-89-9	gamma-BHC (Lindane)	0.192	
50-29-3	4,4'-DDT	0.461	
60-57-1	Dieldrin	0.474	
72-20-8	Endrin	0.405	
76-44-8	Heptachlor	0.192	

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

666

45

Lab Name: Severn Trent Laboratories, Inc. , SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COG280000 439

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KH103

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.190	
58-89-9	gamma-BHC (Lindane)	0.191	
50-29-3	4,4'-DDT	0.444	
60-57-1	Dieldrin	0.463	
72-20-8	Endrin	0.392	
76-44-8	Heptachlor	0.192	

FORM I

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKH	80	80	95	93			0
02	LCSH	50	50	96	95			0
03	LCDH	54	54	95	94			0
04	DF/S1/0208/I	240*	66	90	85			1
05								
06								
07								
08								
09								
10								
11								
12								
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27								
28								
29								
30								

ADVISORY

QC LIMITS ~~39-130~~

S1 (TCX) = Tetrachloro-m-xylene

~~(20-141)~~ DE

S2 (DCB) = Decachlorobiphenyl

~~(63-130)~~ 81500
10-147

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

Lab Name: Severn Trent Laboratories, Inc.,

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KH102

BATCH: 0210439

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane)	0.250	0.192	77	49 - 137	
Heptachlor	0.250	0.192	77	57 - 124	
Aldrin	0.250	0.192	77	62 - 120	
Dieldrin	0.500	0.474	95	68 - 130	
Endrin	0.500	0.405	81	46 - 137	
4,4'-DDT	0.500	0.461	92	60 - 140	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KH103

BATCH: 0210439

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane)	0.250	0.191	76	49 - 137	
Heptachlor	0.250	0.192	77	57 - 124	
Aldrin	0.250	0.190	76	62 - 120	
Dieldrin	0.500	0.463	93	68 - 130	
Endrin	0.500	0.392	78	46 - 137	
4,4'-DDT	0.500	0.444	89	60 - 140	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

666

49

EPA SAMPLE NO.

PBLKH

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

Lab Sample ID: DH1KH101

Lab File ID: D-A5057

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SW3510

Sulfur Cleanup (Y/N) N

Date Extracted: 07/28/00

Date Analyzed (1): 08/01/00

Date Analyzed (2): 08/01/00

Time Analyzed (1): 1038

Time Analyzed (2): 1038

Instrument ID (1): GC4

Instrument ID (2): GC4

GC Column (1): DB608

ID: 0.53(mm)

GC Column (2): DB1701

ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	LCSH	DH1KH102	08/01/00	08/01/00
02	LCDH	DH1KH103	08/01/00	08/01/00
03	DF/S1/0208/I	DGXL3103	08/01/00	08/01/00
04				
05				
06				
07				
08				
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25				
26				

COMMENTS:

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 439

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KH101

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
72-54-8	4,4'-DDD	0.050	U
72-55-9	4,4'-DDE	0.050	U
50-29-3	4,4'-DDT	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
53494-70-5	Endrin ketone	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	2.0	U

PCB SUMMARY

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0210445

Client Sample Id: DF/S1/0208/IDW/002

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

666 53

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG280000 445

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KX102

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0210445

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
12674-11-2	Aroclor 1016	8.29	
11096-82-5	Aroclor 1260	8.88	

666 54

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 445

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KX103

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0210445

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	8.33	
11096-82-5	Aroclor 1260	8.95	

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0G270302

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	107	80	00
02	METHOD BLK. DH1KX101	68	91	00
03	LCS DH1KX102	72	96	00
04	LCSD DH1KX103	77	97	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

Column to be used to flag recovery values

* Values outside of required QC Limits

D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KX102

BATCH: 0210445

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.29	83	61 - 118	
Aroclor 1260	10.0	8.88	89	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KX103

BATCH: 0210445

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.33	83	61 - 118	
Aroclor 1260	10.0	8.95	90	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DH1KX101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: h-a41050.

Lot Number: C0G270302

Matrix: WATER

Extraction Method:

Date Extracted: 07/28/00

Date Analyzed(1): 07/31/00

Date Analyzed(2): N/A

Time Analyzed(1): 20:24

Time Analyzed(2): N/A

Instrument ID(1): M/N

Instrument ID(2): N/A

GC Column(1): N/A

ID: N/A

GC Column(2): N/A

ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	DF/S1/0208/IDW/002	DGXL3104	07/31/00	N/A
02	CHECK SAMPLE	DH1KX102 C	07/31/00	N/A
03	DUPLICATE CHECK	DH1KX103 L	07/31/00	N/A
04				
05				
06				
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19				
20				

COMMENTS:

FORM IV

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

666

59

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER
Method: SW846 8082
PCBs (8082)

Lab Sample ID: C0G280000 445

Sample WT/Vol: 1000 / mL
Work Order: DH1KX101
Dilution factor: 1
Moisture %: NA

Date Received: 07/27/00
Date Extracted: 07/28/00
Date Analyzed: 07/31/00

QC Batch: 0210445

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

..

HERBICIDE SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3112

Date Extracted: 07/31/00

Dilution factor: 100

Date Analyzed: 08/07/00

Moisture %: NA

QC Batch: 0213610

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
94-75-7	2,4-D	400	U
93-72-1	2,4,5-TP (Silvex)	100	U

666

62

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G310000 610

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH4LM102

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0213610

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
94-75-7	2,4-D		16.7	
93-72-1	2,4,5-TP (Silvex)		4.12	
93-76-5	2,4,5-T		4.37	
87-86-5	Pentachlorophenol		2.24	

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

666

63

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G310000 610

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH4LM103

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0213610

Client Sample Id: DUPLICATE CHECK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
94-75-7	2,4-D	14.4	
93-72-1	2,4,5-TP (Silvex)	3.76	
93-76-5	2,4,5-T	3.88	
87-86-5	Pentachlorophenol	1.98	

2E
WATER PESTICIDE SURROGATE RECOVERY

666 64

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLK	93	95					0
02	LCS	108						0
03	LCSD	98						0
04	DF/S1/0208/I		400D					0
05								
06								
07								
08								
09								
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11								
12								
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30								

ADVISORY
QC LIMITS
(53-119)

S1 = DCAA

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G310000

WO #: DH4LM102

BATCH: 0213610

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
2,4-D	16.0	16.7	104	46 - 124	
2,4,5-TP (Silvex)	4.00	4.12	103	53 - 127	
2,4,5-T	4.00	4.37	109	40 - 126	
Pentachlorophenol	2.00	2.24	112	30 - 125	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G310000

WO #: DH4LM103

BATCH: 0213610

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
2,4-D	16.0	14.4	90	46 - 124	
2,4,5-TP (Silvex)	4.00	3.76	94	53 - 127	
2,4,5-T	4.00	3.88	97	40 - 126	
Pentachlorophenol	2.00	1.98	99	30 - 125	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

666

67

PBLK

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

Lab Sample ID: DH4LM101

Lab File ID: A-A50025

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SW846 8151A

Sulfur Cleanup (Y/N) N

Date Extracted: 07/31/00

Date Analyzed (1): 08/02/00

Date Analyzed (2): 08/04/00

Time Analyzed (1): 2240

Time Analyzed (2): 1703

Instrument ID (1): GC1

Instrument ID (2): GC1

GC Column (1): DB608

ID: 0.53(mm)

GC Column (2): DB1701

ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	LCS	DH4LM102	08/02/00	
02	LCSD	DH4LM103	08/02/00	
03	DF/S1/0208/I	DGXL3112		08/04/00
04				
05				
06				
07				
08				
09				
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23				
24				
25				
26				

COMMENTS:

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G310000 610

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH4LM101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0213610

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
94-75-7	2,4-D	4.0		U
93-72-1	2,4,5-TP (Silvex)	1.0		U

Set

METALS SUMMARY

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STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: DGXL3 Client ID: DF/S1/0208/IDW/002
Matrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210102
Weight: NA Volume: 100 Percent Moisture: NA

Element	WL/ Mass	MDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.045	0.20	0.40		1	CVAA	7/28/00	12:03

Comments: Lot #: C0G270302 Sample #: 1

Version 3.63.5

U Result is less than the MDL
B Result is between MDL and RL

Form 1 Equivalent

Metals Data Reporting Form

Sample Results

Lab Sample ID: DGXL3 Client ID: DF/S1/0208/IDW/002
 Matrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106
 Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	MDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	12.7	200	376		1	ICP	7/29/00	12:32
Antimony	220.35	1.5	60.0	12.1	B	1	ICPST	7/30/00	13:13
Arsenic	189.04	2.6	10.0	4.2	B	1	ICPST	7/30/00	13:13
Barium	493.41	0.41	200	120	B	1	ICP	7/29/00	12:32
Beryllium	313.04	0.071	5.0	0.12	B	1	ICP	7/29/00	12:32
Cadmium	226.50	0.49	5.0	0.77	B	1	ICPST	7/30/00	13:13
Calcium	317.93	37.9	5000	34500		1	ICP	7/29/00	12:32
Chromium	267.72	1.0	10.0	49.2		1	ICPST	7/30/00	13:13
Cobalt	228.62	3.2	50.0	3.2	U	1	ICP	7/29/00	12:32
Copper	324.75	2.2	25.0	18.9	B	1	ICP	7/29/00	12:32
Iron	259.94	8.8	100	428		1	ICP	7/29/00	12:32
Lead	220.35	1.9	3.0	1.9	U	1	ICPST	7/30/00	13:13
Magnesium	279.08	19.9	5000	9060		1	ICP	7/29/00	12:32
Manganese	257.61	0.87	15.0	43.4		1	ICP	7/29/00	12:32
Nickel	231.60	6.1	40.0	6.1	U	1	ICP	7/29/00	12:32
Potassium	766.49	496	5000	4150	B	1	ICP	7/29/00	12:32
Selenium	220.35	2.1	5.0	2.1	U	1	ICPST	7/30/00	13:13
Silver	328.07	0.94	5.0	1.6	B	1	ICPST	7/30/00	13:13
Sodium	589	72.5	25000	1000000		5	ICP	7/29/00	12:47
Thallium	190.86	3.9	10.0	7.9	B	1	ICPST	7/30/00	13:13
Vanadium	292.40	1.8	50.0	2.7	B	1	ICP	7/29/00	12:32
Zinc	213.86	3.1	20.0	67.3		1	ICP	7/29/00	12:32

Comments: Lot #: C0G270302 Sample #: 1

Version 3.63.5

U Result is less than the MDL
 B Result is between MDL and RL

Form 1 Equivalent

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Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAAUnits: ug/LChart Number: 0728HGA.PRN

Standard Source: _____

Standard ID: _____

			ICB1 7/28/00 10:22 AM					
Element	WL/ Mass	Report Limit	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	B				

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00729A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	ICB1 7/29/00 8:40 AM							
			Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	12.7	U						
Barium	493.409	200	0.4	U						
Beryllium	313.042	5	0.2	B						
Calcium	317.933	5000	37.9	U						
Cobalt	228.616	50	3.2	U						
Copper	324.754	25	2.2	U						
Iron	259.94	100	8.8	U						
Magnesium	279.079	5000	19.9	U						
Manganese	257.61	15	0.9	U						
Nickel	231.604	40	6.1	U						
Potassium	766.491	5000	496.0	U						
Sodium	588.995	5000	14.5	U						
Vanadium	292.402	50	1.8	U						
Zinc	213.856	20	3.1	U						

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Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPSTUnits: ug/LChart Number: T00730A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	ICB1 7/30/00 11:19 AM							
			Found	Q	Found	Q	Found	Q	Found	Q
Antimony	220.353	60	1.5	U						
Arsenic	189.042	10	2.6	U						
Cadmium	226.502	5	0.5	U						
Chromium	267.716	10	1.0	U						
Lead	220.353	3	1.9	U						
Selenium	220.353	5	2.1	U						
Silver	328.068	5	0.9	U						
Thallium	190.864	10	3.9	U						

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAAUnits: ug/LChart Number: 0728HGA.PRN

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 7/28/00 10:25 AM	CCB2 7/28/00 10:46 AM	CCB3 7/28/00 11:06 AM	CCB4 7/28/00 11:29 AM	CCB5 7/28/00 11:53 AM
			Found Q	Found Q	Found Q	Found Q	Found Q
Mercury	253.7	0.2	0.0 U	0.1 B	0.1 B	0.1 B	0.1 B

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Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAAUnits: ug/LChart Number: 0728HGA.PRN

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB6 7/28/00 12:06 PM							
			Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	B						

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00729A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 7/29/00 9:20 AM	CCB2 7/29/00 9:48 AM	CCB3 7/29/00 10:26 AM	CCB4 7/29/00 11:05 AM	CCB5 7/29/00 11:43 AM
			Found Q	Found Q	Found Q	Found Q	Found Q
Aluminum	308.215	200	12.7 U	12.7 U	12.7 U	32.4 B	12.7 U
Barium	493.409	200	0.4 U	0.4 U	1.2 B	3.2 B	0.4 U
Beryllium	313.042	5	0.3 B	0.2 B	1.4 B	2.8 B	0.6 B
Calcium	317.933	5000	37.9 U	37.9 U	37.9 U	37.9 U	37.9 U
Cobalt	228.616	50	3.2 U	3.2 U	3.2 U	3.2 U	-3.2 B
Copper	324.754	25	2.2 U	2.2 U	2.2 U	3.0 B	2.2 U
Iron	259.94	100	8.8 U	8.8 U	14.4 B	28.2 B	8.8 U
Magnesium	279.079	5000	19.9 U	19.9 U	19.9 U	19.9 U	19.9 U
Manganese	257.61	15	0.9 U	0.9 U	1.3 B	2.8 B	0.9 U
Nickel	231.604	40	6.1 U	6.1 U	6.1 U	6.1 U	-6.9 B
Potassium	766.491	5000	496.0 U	496.0 U	496.0 U	496.0 U	496.0 U
Sodium	588.995	5000	14.5 U	14.5 U	29.7 B	45.4 B	14.5 U
Vanadium	292.402	50	1.8 U	1.8 U	2.6 B	1.8 U	1.8 U
Zinc	213.856	20	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U

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Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00729A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB6 7/29/00 12:21 PM		CCB7 7/29/00 1:03 PM					
			Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	12.7	U	19.0	B				
Barium	493.409	200	0.6	B	0.4	U				
Beryllium	313.042	5	0.7	B	0.6	B				
Calcium	317.933	5000	37.9	U	37.9	U				
Cobalt	228.616	50	-3.2	B	3.2	U				
Copper	324.754	25	2.2	U	2.2	U				
Iron	259.94	100	8.8	U	8.8	U				
Magnesium	279.079	5000	19.9	U	19.9	U				
Manganese	257.61	15	0.9	U	0.9	U				
Nickel	231.604	40	-7.3	B	6.1	U				
Potassium	766.491	5000	496.0	U	496.0	U				
Sodium	588.995	5000	23.6	B	19.8	B				
Vanadium	292.402	50	1.8	U	1.8	U				
Zinc	213.856	20	3.1	U	3.1	U				

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Metals Data Reporting Form

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Continuing Calibration Blank Results

Instrument: ICPST

Units: ug/L

Chart Number: T00730A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 7/30/00 12:11 PM	CCB2 7/30/00 1:01 PM	CCB3 7/30/00 1:50 PM	Found	Q	Found	Q
			Found	Found	Found				
Antimony	220.353	60	1.5	1.5	2.5		B		
Arsenic	189.042	10	2.6	2.6	2.6		U		
Cadmium	226.502	5	0.5	0.5	0.5		U		
Chromium	267.716	10	1.0	1.0	1.0		U		
Lead	220.353	3	1.9	1.9	1.9		U		
Selenium	220.353	5	2.1	2.1	2.1		U		
Silver	328.068	5	0.9	0.9	0.9		U		
Thallium	190.864	10	3.9	3.9	3.9		U		

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: DH0C9BMatrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210102Weight: NA Volume: 100 Percent Moisture: NA

Element	WL/ Mass	MDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.045	0.20	0.084	B	1	CVAA	7/28/00	11:58

Comments: Lot #: C0G270302

Version 3.63.5

U Result is less than the MDL
B Result is between MDL and RL

Form 3 Equivalent

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Metals Data Reporting Form

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Preparation Blank Results

Lab Sample ID: DH0CHB

Matrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106

Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	MDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.215	12.7	200	12.7	U	1	ICP	7/29/00	12:26
Antimony	220.353	1.5	60.0	1.5	U	1	ICPST	7/30/00	13:05
Arsenic	189.042	2.6	10.0	2.6	U	1	ICPST	7/30/00	13:05
Barium	493.409	0.41	200	0.41	U	1	ICP	7/29/00	12:26
Beryllium	313.042	0.071	5.0	0.13	B	1	ICP	7/29/00	12:26
Cadmium	226.502	0.49	5.0	0.49	U	1	ICPST	7/30/00	13:05
Calcium	317.933	37.9	5000	37.9	U	1	ICP	7/29/00	12:26
Chromium	267.716	1.0	10.0	1.0	U	1	ICPST	7/30/00	13:05
Cobalt	228.616	3.2	50.0	3.2	U	1	ICP	7/29/00	12:26
Copper	324.754	2.2	25.0	2.2	U	1	ICP	7/29/00	12:26
Iron	259.94	8.8	100	8.8	U	1	ICP	7/29/00	12:26
Lead	220.353	1.9	3.0	1.9	U	1	ICPST	7/30/00	13:05
Magnesium	279.079	19.9	5000	19.9	U	1	ICP	7/29/00	12:26
Manganese	257.61	0.87	15.0	0.87	U	1	ICP	7/29/00	12:26
Nickel	231.604	6.1	40.0	-6.4	B	1	ICP	7/29/00	12:26
Potassium	766.491	496	5000	496	U	1	ICP	7/29/00	12:26
Selenium	220.353	2.1	5.0	2.1	U	1	ICPST	7/30/00	13:05
Silver	328.068	0.94	5.0	0.94	U	1	ICPST	7/30/00	13:05
Sodium	588.995	14.5	5000	14.5	U	1	ICP	7/29/00	12:26
Thallium	190.864	3.9	10.0	3.9	U	1	ICPST	7/30/00	13:05
Vanadium	292.402	1.8	50.0	1.8	U	1	ICP	7/29/00	12:26
Zinc	213.856	3.1	20.0	3.1	U	1	ICP	7/29/00	12:26

Comments: Lot #: C0G270302

Version 3.63.5

U Result is less than the MDL
B Result is between MDL and RL

Form 3 Equivalent

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: DGXL3S
 Original Sample ID: DGXL3 Client ID: DF/S1/0208/IDW/002S
 Matrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106
 Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Aluminum	308.2	376		2350		2000	98.5	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Antimony	220.4	12.1	B	511		500	99.7	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Arsenic	189.0	4.2	B	1970		2000	98.2	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Barium	493.4	120	B	1900		2000	89.1	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Beryllium	313.0	0.12	B	47.6		50	94.9	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Cadmium	226.5	0.77	B	45.9		50	90.2	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Calcium	317.9	34500		83700		50000	98.5	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Chromium	267.7	49.2		244		200	97.4	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Cobalt	228.6	3.2	U	470		500	93.9	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Copper	324.8	18.9	B	248		250	91.6	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Iron	259.9	428		1410		1000	98.0	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Lead	220.4	1.9	U	503		500	100.7	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Magnesium	279.1	9060		55700		50000	93.2	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Manganese	257.6	43.4		510		500	93.3	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Nickel	231.6	6.1	U	463		500	92.5	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Potassium	766.5	4150	B	52200		50000	96.1	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Selenium	220.4	2.1	U	2050		2000	102.6	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Silver	328.1	1.6	B	52.4		50	101.7	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Sodium	589	1000000		1040000	NC	50000		5	5	ICP	7/29/00	12:47	7/29/00	12:53
Thallium	190.9	7.9	B	2140		2000	106.4	1	1	ICPST	7/30/00	13:13	7/30/00	13:21
Vanadium	292.4	2.7	B	474		500	94.2	1	1	ICP	7/29/00	12:32	7/29/00	12:39
Zinc	213.9	67.3		544		500	95.2	1	1	ICP	7/29/00	12:32	7/29/00	12:39

Comments: Lot #: C0G270302 Sample #: 1

Version 3.63.5

U Result is less than the MDL
 B Result is between MDL and RL
 N Spike recovery failed
 NC Percent recovery was not calculated
 * Duplicate analysis RPD was not within limits

Form 5A Equivalent

STL-Pittsburgh
Metals Data Reporting Form

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Matrix Spike Duplicate Sample Results

Spike Sample ID: DGXL3D
Original Sample ID: DGXL3 Client ID: DF/S1/0208/IDW/002D
Matrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106
Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	OS Conc	Q	MSD Conc	Q	Spike Level	% Rec	OS DF	MSD DF	Instr	OS Anal Date	OS Anal Time	MSD Anal Date	MSD Anal Time
Aluminum	308.2	376		2370		2000	99.8	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Antimony	220.4	12.1	B	517		500	100.9	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Arsenic	189.0	4.2	B	1990		2000	99.4	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Barium	493.4	120	B	1920		2000	90.1	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Beryllium	313.0	0.12	B	48.1		50	96.0	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Cadmium	226.5	0.77	B	46.1		50	90.7	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Calcium	317.9	34500		85100		50000	101.2	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Chromium	267.7	49.2		245		200	97.9	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Cobalt	228.6	3.2	U	477		500	95.4	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Copper	324.8	18.9	B	252		250	93.2	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Iron	259.9	428		1430		1000	100.6	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Lead	220.4	1.9	U	508		500	101.5	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Magnesium	279.1	9060		56500		50000	95.0	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Manganese	257.6	43.4		517		500	94.7	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Nickel	231.6	6.1	U	484		500	96.7	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Potassium	766.5	4150	B	53100		50000	98.0	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Selenium	220.4	2.1	U	2080		2000	103.8	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Silver	328.1	1.6	B	52.8		50	102.4	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Sodium	589	1000000		1040000	NC	50000		5	5	ICP	7/29/00	12:47	7/29/00	12:56
Thallium	190.9	7.9	B	2160		2000	107.7	1	1	ICPST	7/30/00	13:13	7/30/00	13:26
Vanadium	292.4	2.7	B	482		500	95.8	1	1	ICP	7/29/00	12:32	7/29/00	12:42
Zinc	213.9	67.3		552		500	96.9	1	1	ICP	7/29/00	12:32	7/29/00	12:42

Comments: Lot #: C0G270302 Sample #: 1

Version 3.63 5

U Result is less than the MDL
B Result is between MDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

Metals Data Reporting Form

Matrix Spike Duplicate RPD Report

Matrix Spike Duplicate Sample ID: DGXL3DMatrix Spike Sample ID: DGXL3S Client ID: DF/S1/0208/IDW/002DMatrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	MS Conc	Q	MSD Conc	Q	RPD	MS DF	MSD DF	Instr	MS Anal Date	MS Anal Time	MSD Anal Date	MSD Anal Time
Aluminum	308.215	2350		2370		1.3 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Antimony	220.353	511		517		1.2 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Arsenic	189.042	1970		1990		1.2 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Barium	493.409	1900		1920		1.2 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Beryllium	313.042	47.6		48.1		1.1 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Cadmium	226.502	45.9		46.1		0.6 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Calcium	317.933	83700		85100		2.7 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Chromium	267.716	244		245		0.6 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Cobalt	228.616	470		477		1.6 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Copper	324.754	248		252		1.7 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Iron	259.94	1410		1430		2.6 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Lead	220.353	503		508		0.9 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Magnesium	279.079	55700		56500		1.8 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Manganese	257.61	510		517		1.6 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Nickel	231.604	463		484		4.4 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Potassium	766.491	52200		53100		1.9 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Selenium	220.353	2050		2080		1.1 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Silver	328.068	52.4		52.8		0.6 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Sodium	588.995	1040000	NC	1040000	NC		5	5	ICP	7/29/00	12:53	7/29/00	12:56
Thallium	190.864	2140		2160		1.2 %	1	1	ICPST	7/30/00	13:21	7/30/00	13:26
Vanadium	292.402	474		482		1.6 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42
Zinc	213.856	544		552		1.7 %	1	1	ICP	7/29/00	12:39	7/29/00	12:42

Comments: Lot #: C0G270302 Sample #: 1

Version 3.63.5

U Result is less than the MDL

B Result is between MDL and RL

N Spike recovery failed

NC Percent recovery was not calculated

* Duplicate analysis RPD was not within limits

Form 6 Equivalent

STL-Pittsburgh
Metals Data Reporting Form

666 85

Duplicate LCS RPD Report

Duplicate LCS ID: DH0C9L

Original LCS ID: DH0C9C

Matrix: Water **Units:** ug/L **Prep Date:** 7/28/00 **Prep Batch:** 0210102

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	LCS Conc	Q	LCS Dupe Conc	Q	RPD	LCS DF	LCS Dupe DF	Instr	LCS Anal Date	LCS Anal Time	LCS Dupe Anal Date	LCS Dupe Anal Time
Mercury	253.7	2.8		2.8		1.4 %	1	1	CVAA	7/28/00	11:59	7/28/00	12:01

STL-Pittsburgh

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: DH0C9CMatrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210102Weight: NA Volume: 100 Percent Moisture: NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Mercury	253.7	2.5	2.8	111.6		80-120	1	CVAA	7/28/00	11:59

Comments: Lot #: C0G270302

Version 3.63.5

U Result is less than the MDL
B Result is between MDL and RL

Form 7 Equivalent

Metals Data Reporting Form

Laboratory Control Sample Duplicate Results

Lab Sample ID: DH0C9LMatrix: WaterUnits: ug/LPrep Date: 7/28/00Prep Batch: 0210102Weight: NAVolume: 100Percent Moisture: NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Mercury	253.7	2.5	2.8	113.2		80-120	1	CVAA	7/28/00	12:01

Comments: Lot #: C0G270302

Version 3.63.5

U Result is less than the MDL

B Result is between MDL and RL

Form 7 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: DH0CHCMatrix: Water Units: ug/L Prep Date: 7/28/00 Prep Batch: 0210106Weight: NA Volume: 50 Percent Moisture: NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Aluminum	308.215	2000	1940	97.2		80-120	1	ICP	7/29/00	12:29
Antimony	220.353	500	494	98.8		80-120	1	ICPST	7/30/00	13:09
Arsenic	189.042	2000	1980	99.1		80-120	1	ICPST	7/30/00	13:09
Barium	493.409	2000	1920	95.9		80-120	1	ICP	7/29/00	12:29
Beryllium	313.042	50.0	50.0	100.0		80-120	1	ICP	7/29/00	12:29
Cadmium	226.502	50.0	47.2	94.3		80-120	1	ICPST	7/30/00	13:09
Calcium	317.933	50000	51700	103.4		80-120	1	ICP	7/29/00	12:29
Chromium	267.716	200	200	99.8		80-120	1	ICPST	7/30/00	13:09
Cobalt	228.616	500	491	98.1		80-120	1	ICP	7/29/00	12:29
Copper	324.754	250	242	96.6		80-120	1	ICP	7/29/00	12:29
Iron	259.94	1000	1040	104.0		80-120	1	ICP	7/29/00	12:29
Lead	220.353	500	495	99.0		80-120	1	ICPST	7/30/00	13:09
Magnesium	279.079	50000	49500	99.1		80-120	1	ICP	7/29/00	12:29
Manganese	257.61	500	492	98.3		80-120	1	ICP	7/29/00	12:29
Nickel	231.604	500	496	99.1		80-120	1	ICP	7/29/00	12:29
Potassium	766.491	50000	48000	96.0		80-120	1	ICP	7/29/00	12:29
Selenium	220.353	2000	2010	100.4		80-120	1	ICPST	7/30/00	13:09
Silver	328.068	50.0	49.6	99.3		80-120	1	ICPST	7/30/00	13:09
Sodium	588.995	50000	48300	96.5		80-120	1	ICP	7/29/00	12:29
Thallium	190.864	2000	2060	102.7		80-120	1	ICPST	7/30/00	13:09
Vanadium	292.402	500	493	98.7		80-120	1	ICP	7/29/00	12:29
Zinc	213.856	500	490	98.0		80-120	1	ICP	7/29/00	12:29

Comments: Lot #: C0G270302

Version 3.63.5

U Result is less than the MDL

B Result is between MDL and RL

Form 7 Equivalent

GENERAL CHEMISTRY SUMMARY

Client Sample ID: DF/S1/0208/IDW/002

General Chemistry

Lot-Sample #...: COG270302-001

Work Order #...: DGXL3

Matrix.....: WATER

Date Sampled...: 07/26/00

Date Received...: 07/27/00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.0		No Units	SW846 9040	07/27/00	0209627
		Dilution Factor: 1		MS Run #.....: 0209343		
Cyanide, Total	ND	10.0	ug/L	SW846 9012A	07/31-08/01/00	0213204
		Dilution Factor: 1		MS Run #.....: 0213071		
Flashpoint	>200		deg F	SW846 1010	07/31/00	0214091
		Dilution Factor: 1		MS Run #.....: 0214003		
Total Sulfide	ND	1.0	mg/L	MCAWW 376.1	07/31/00	0213187
		Dilution Factor: 1		MS Run #.....:		

METHOD BLANK REPORT

666 91

General Chemistry

Client Lot #...: COG270302

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	Work Order #: DH3L4101 10.0	ug/L	MB Lot-Sample #: COG310000-204 SW846 9012A	07/31-08/01/00	0213204
		Dilution Factor: 1				
Total Sulfide	ND	Work Order #: DH3JT101 1.0	mg/L	MB Lot-Sample #: COG310000-187 MCAWW 376.1	07/31/00	0213187
		Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: C0G270302

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Sulfide		WO#:DH3JT102-LCS/DH3JT103-LCSD			LCS Lot-Sample#:	C0G310000-187	
	106	(85 - 115)			MCAWW 376.1	07/31/00	0213187
	98	(85 - 115)	7.4	(0-25)	MCAWW 376.1	07/31/00	0213187
		Dilution Factor: 1					

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

666

93

General Chemistry

Client Lot #...: COG270302

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	101	Work Order #: DH09N101 (85 - 115)	LCS Lot-Sample#: COG270000-627 SW846 9040	07/27/00	0209627
		Dilution Factor: 1			
Cyanide, Total	104	Work Order #: DH3L4102 (85 - 145)	LCS Lot-Sample#: COG310000-204 SW846 9012A	07/31-08/01/00	0213204
		Dilution Factor: 1			
Flashpoint	100	Work Order #: DH4MX101 (85 - 115)	LCS Lot-Sample#: COH010000-091 SW846 1010	07/31/00	0214091
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: C0G270302

Matrix.....: WATER

Date Sampled....: 07/26/00

Date Received...: 07/27/00

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#:	DGXL312M-MS/DGXL312N-MSD	MS Lot-Sample #:	C0G270302-001
	0.0 N	(75 - 125)		SW846 9012A	07/31-08/01/00	0213204
	0.0 N	(75 - 125)	0.0 (0-20)	SW846 9012A	07/31-08/01/00	0213204
			Dilution Factor: 1			
			MS Run #.....: 0213071			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

666 95

General Chemistry

Client Lot #....: C0G270302

Work Order #....: DGXL3-SMP

Matrix.....: WATER

DGXL3-DUP

Date Sampled....: 07/26/00

Date Received...: 07/27/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Flashpoint	>200	>200	deg F	0.0	(0-20)	SD Lot-Sample #: C0G270302-001 SW846 1010	07/31/00	0214091
Dilution Factor: 1								
Prep Date.....: 0214003			Analysis Date...:			Prep Batch #....:		
pH	7.0	7.1	No Units	0.57	(0-20)	SD Lot-Sample #: C0G270302-001 SW846 9040	07/27/00	0209627
Dilution Factor: 1								
Prep Date.....: 0209343			Analysis Date...:			Prep Batch #....:		

GC/MS VOLATILE DATA

GC/MS VOLATILE
QC SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT QESSDG:

Lot #: C0G270302

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
	=====	=====	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	99	95	90	104	00
02	DF/S1/0208/IDW/002 RE-1	106	104	92	109	00
03	INTRA-LAB QC	113	108	91	110	00
04	METHOD BLK. DH3J1101	103	104	81	105	00
05	LCS DH3J1102	106	104	83	103	00
06	LAB MS/MSD D	104	106	97	103	00
07	LAB MS/MSD S	104	104	95	101	00

<u>SURROGATES</u>	<u>QC LIMITS</u>
SRG01 = 1,2-Dichloroethane-d4	(77-120)
SRG02 = Toluene-d8	(78-111)
SRG03 = 4-Bromofluorobenzene	(80-114)
SRG04 = Dibromofluoromethane	(78-110)

Column to be used to flag recovery values
 * Values outside of required QC Limits
 D System monitoring Compound diluted out

FORM II

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G310000

WO #: DH3J1102

BATCH: 0213172

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	53.8	108	65 - 119	
Trichloroethene	50.0	49.2	98	80 - 122	
Benzene	50.0	53.1	106	79 - 116	
Toluene	50.0	54.8	110	76 - 119	
Chlorobenzene	50.0	50.7	101	81 - 115	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

666 100

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C0G290144

WO #: DH2PT10U

BATCH: 0213172

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	50.0	ND	50.4	101	57 - 138	
Trichloroethene	50.0	ND	51.5	103	58 - 141	
Benzene	50.0	ND	56.6	113	73 - 123	
Toluene	50.0	ND	57.9	116	67 - 129	
Chlorobenzene	50.0	ND	53.5	107	70 - 122	

NOTES (S) :

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C0G290144

WO #: DH2PT10V

BATCH: 0213172

COMPOUND	SPIKE	MSD	MSD	QC LIMITS			QUAL
	ADDED (ug/L)	CONCENT. (ug/L)	% REC	% RPD	RPD	REC	
1,1-Dichloroethene	50.0	53.7	107	6.3	20	57 - 138	
Trichloroethene	50.0	52.9	106	2.7	20	58 - 141	
Benzene	50.0	57.3	115	1.1	20	73 - 123	
Toluene	50.0	60.7	121	4.8	20	67 - 129	
Chlorobenzene	50.0	56.5	113	5.6	20	70 - 122	

NOTES (S) :

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limitsSpike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DH3J1101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: MB30731.D

Lot Number: C0G270302

Date Analyzed: 07/31/00

Time Analyzed: 07:03

Matrix: WATER

Date Extracted: 07/31/00

GC Column: RTX-624 ID: .18

Extraction Method: 5030

Instrument ID: HP3

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	DF/S1/0208/IDW/002	DGXL3101	3073110.D	07/31/00	10:54
02	DF/S1/0208/IDW/002	DGXL3201	3073112.D	07/31/00	11:40
03	INTRA-LAB QC	DH2PT10R	3073105.D	07/31/00	08:58
04	LAB MS/MSD	DH2PT10U S	3073108.D	07/31/00	10:08
05	LAB MS/MSD	DH2PT10V D	3073109.D	07/31/00	10:31
06	CHECK SAMPLE	DH3J1102 C	3073104.D	07/31/00	08:35
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

666 103

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: 30718D

Lab File ID: BF30718

BFB Injection Date: 07/18/00

Instrument ID: HP3

BFB Injection Time: 0521

GC Column: DB624 20M ID: 0.18 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.5 (0.8)1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	4.5 (6.7)1
176	95.0 - 101.0% of mass 174	65.9 (97.5)1
177	5.0 - 9.0% of mass 176	4.5 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	1C30718	07/18/00	0614
02	VSTD100	VSTD100	1D30718	07/18/00	0955
03	VSTD200	VSTD200	1E30718	07/18/00	1017
04	VSTD20	VSTD20	3B30718	07/18/00	1239
05	VSTD5	VSTD5	4A30718	07/18/00	1316
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: COG270302

Lab File ID: BF30731

BFB Injection Date: 07/31/00

Instrument ID: HP3

BFB Injection Time: 0526

GC Column: DB624 20M ID: 0.18 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.3
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.9)1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.5 (7.2)1
176	95.0 - 101.0% of mass 174	75.1 (97.8)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	1C30731	07/31/00	0630
02	INTRA-LAB BL	DH3J1101	MB30731	07/31/00	0703
03	INTRA-LAB CH	DH3J1102	3073104	07/31/00	0835
04	DF/S1/0208/I	DGXL3101	3073110	07/31/00	1054
05	DF/S1/0208/I	DGXL3201	3073112	07/31/00	1140
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

666 105

Lab Name: STL PITTSBURGH Contract:
 Lab Code: STLPIT Case No.: SAS No.: SDG No.: C0G270302
 Lab File ID (Standard): 1C30731 Date Analyzed: 07/31/00
 Instrument ID: HP3 Time Analyzed: 0630
 GC Column: DB 624 ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DCB)	RT #	IS3	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	151575	9.87	295499	12.20	576775	6.75
UPPER LIMIT	303150	10.07	590998	12.40	1153550	6.95
LOWER LIMIT	75788	9.67	147750	12.00	288388	6.55
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	134165	9.87	209850	12.19	549881	6.75
02 INTRA-LAB CH	131352	9.87	190319	12.19	504959	6.75
03 DF/S1/0208/I	125533	9.87	213258	12.19	500183	6.75
04 DF/S1/0208/I	122155	9.87	196800	12.19	491080	6.76
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (CBZ) = Chlorobenzene-d5
 IS2 (DCB) = 1,4-Dichlorobenzene-d4
 IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.20 minutes of internal standard RT
 RT LOWER LIMIT = - 0.20 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

666 106

**GC/MS VOLATILE
SAMPLE DATA**

Lab Name: Severn Trent Laboratories, Inc

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
67-64-1	Acetone	32	B
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	19	
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	6.4	J
78-93-3	2-Butanone	17	J
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	45	
67-66-3	Chloroform	5300	E
74-87-3	Chloromethane	72	
75-34-3	1,1-Dichloroethane	2.9	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.5	
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	5.0	U

Data File: \\spitpa02\chem\hp3.1\30731d.b\3073110.D

Date: 31-JUL-2000 10:54

Client ID: DF/S1/0208/IDM/002

Sample Info: C06270302-001 SML

Purge Volume: 5.0

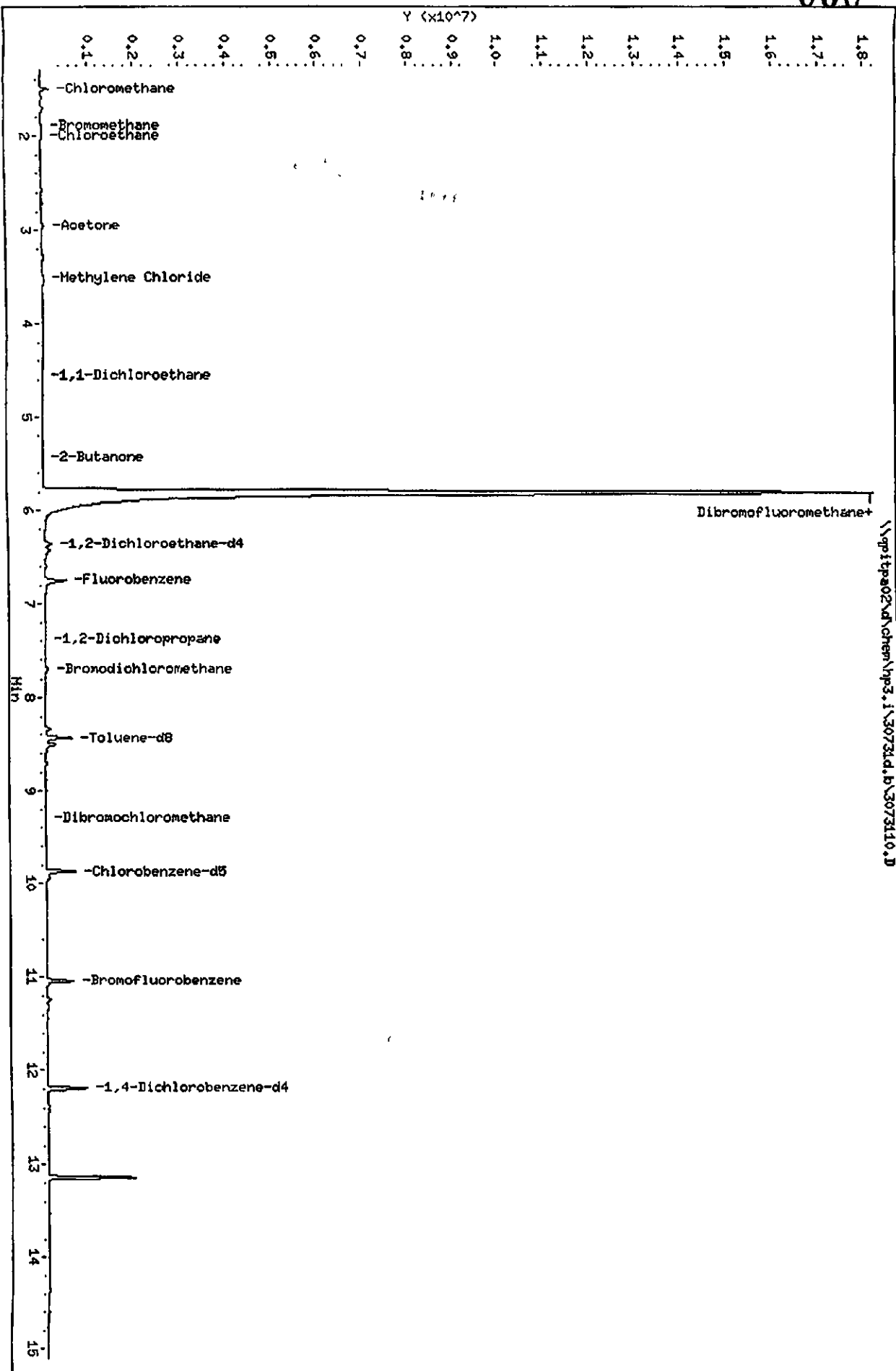
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Instrument: hp3.1

Operator: 10099

Column diameter: 0.18

Page 5



STL Pittsburgh

VOLATILE REPORT SW-846 Method

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 Lab Smp Id: DGXL3101 Client Smp ID: DF/S1/0208/IDW/002
 Inj Date : 31-JUL-2000 10:54 MS Autotune Date: 20-FEB-1997 10:53
 Operator : 10099 Inst ID: hp3.i
 Smp Info : C0G270302-001 5ML
 Misc Info : dgxl3101,30731d.b,8260bh2o.m,1-tcl.sub
 Comment :
 Method : \\QPITPA02\D\chem\hp3.i\30731d.b\8260bh2o.m
 Meth Date : 18-Jul-2000 13:52 Quant Type: ISTD
 Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC076

Compound Sublist: 1-tcl.sub

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

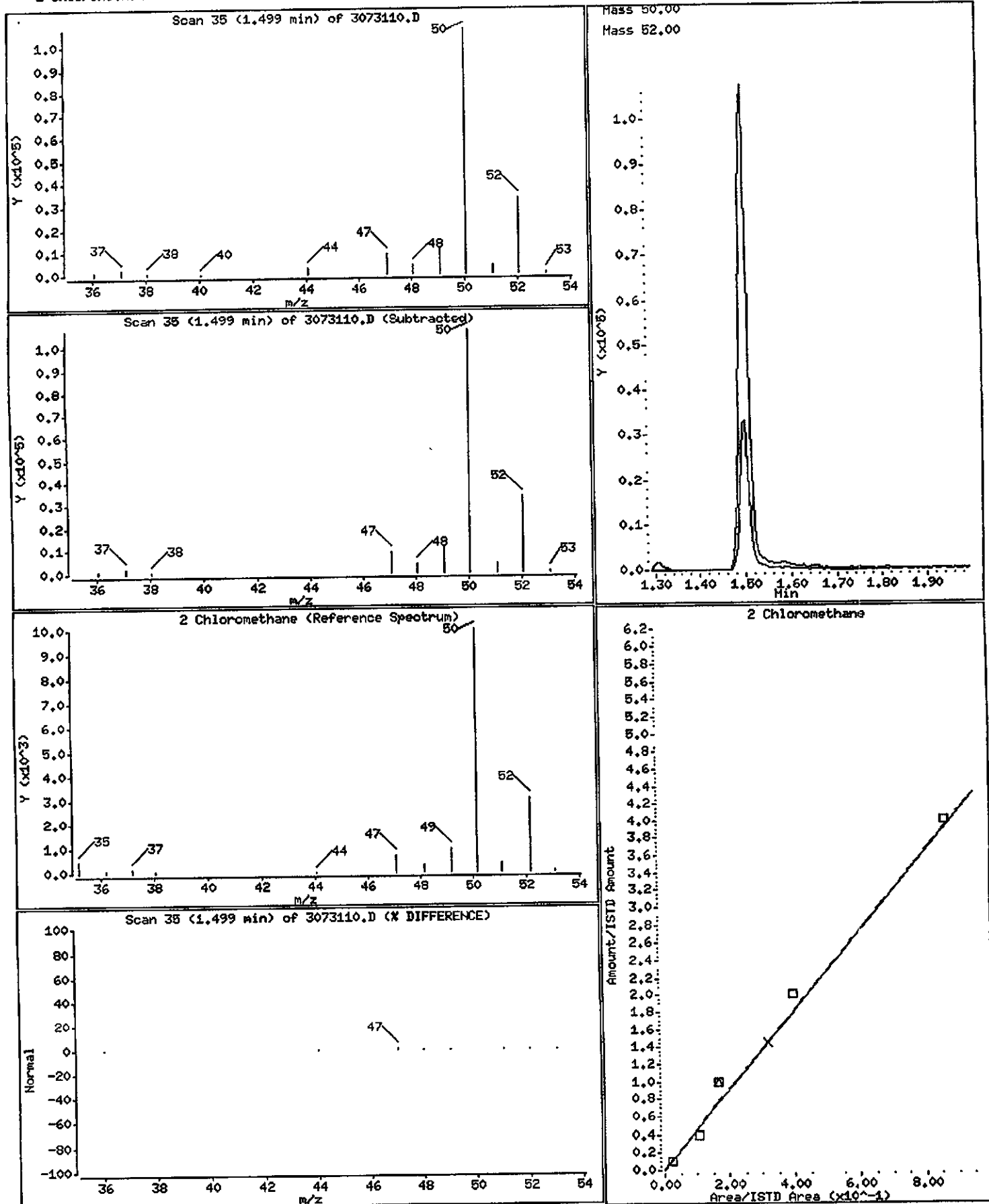
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96		6.753	6.752	(1.000)	500183	250.000	
* 69 Chlorobenzene-d5	119		9.873	9.871	(1.000)	125533	250.000	
* 92 1,4-Dichlorobenzene-d4	152		12.190	12.194	(1.000)	213258	250.000	
\$ 39 Dibromofluoromethane	113		5.993	5.991	(0.887)	126253	260.022	52.00
\$ 43 1,2-Dichloroethane-d4	65		6.358	6.356	(0.941)	148132	246.477	49.30
\$ 59 Toluene-d8	98		8.431	8.430	(0.854)	430737	237.032	47.41
\$ 80 Bromofluorobenzene	95		11.040	11.039	(1.118)	181950	224.907	44.98
1 Dichlorodifluoromethane	85		Compound Not Detected.					
2 Chloromethane	50		1.499	1.491	(0.222)	160426	361.875	72.37
3 Vinyl Chloride	62		Compound Not Detected.					
4 Bromomethane	94		1.900	1.899	(0.281)	6539	31.7599	6.352
5 Chloroethane	64		2.003	1.996	(0.297)	35457	222.766	44.55
6 Trichlorofluoromethane	101		Compound Not Detected.					
12 1,1-Dichloroethene	96		Compound Not Detected.					
15 Carbon Disulfide	76		Compound Not Detected.					
13 Acetone	43		2.952	2.993	(0.437)	81547	158.629	31.72

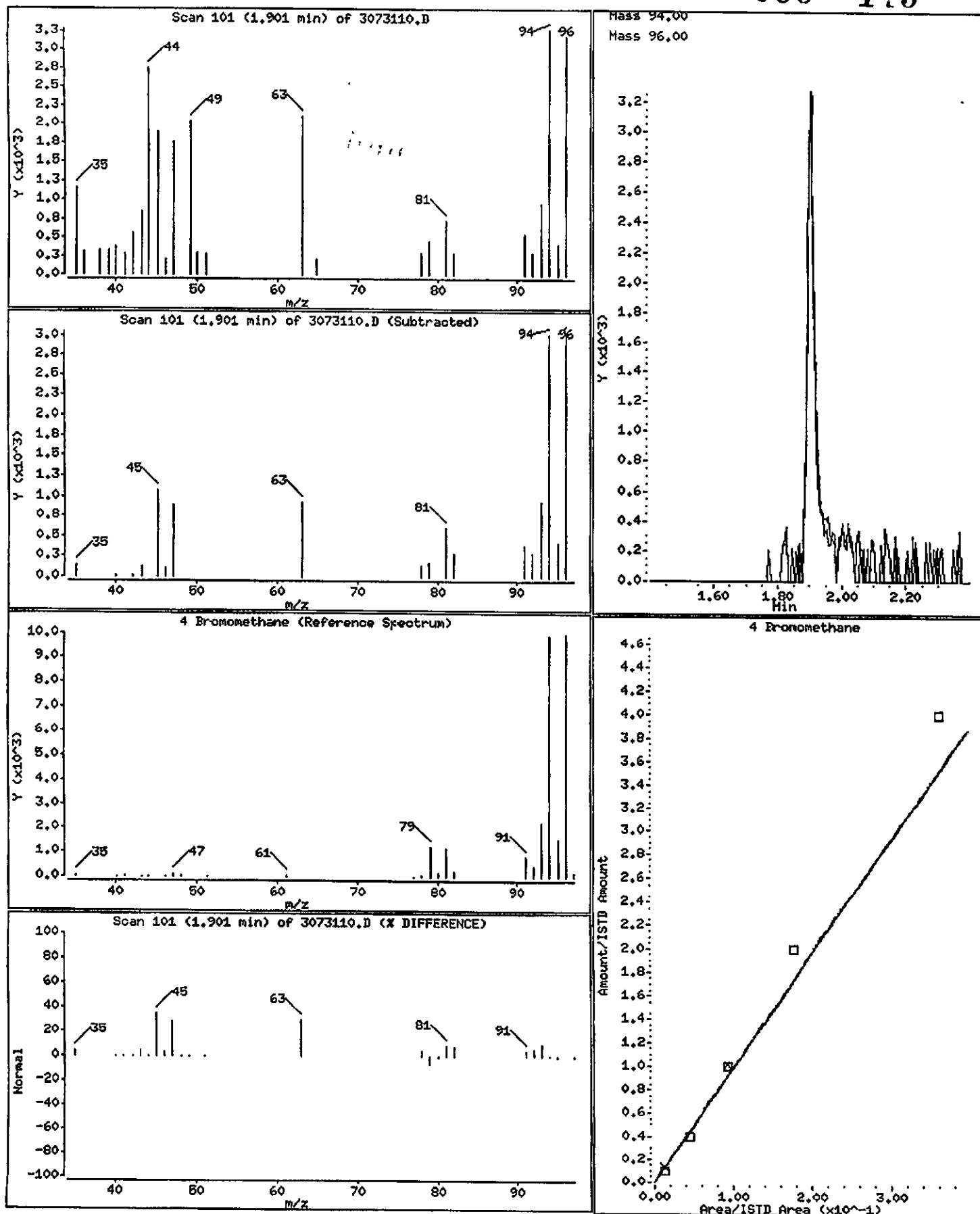
666 111

Compounds	QUANT, SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
18 Methylene Chloride	84	3.499	3.498	(0.518)	18010	27.6241	5.525
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	4.564	4.562	(0.676)	12948	14.4154	2.883
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
31 2-Butanone	43	5.433	5.456	(0.805)	28192	85.9597	17.19
37 Chloroform	83	5.804	5.803	(0.860)	24527772	26443.5	5289
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Trichloroethene	130	Compound Not Detected.					
49 1,2-Dichloropropane	63	7.385	7.384	(1.094)	3217	6.24251	1.248 <MDL
50 Dibromomethane	93	Compound Not Detected.					
53 Bromodichloromethane	83	7.689	7.694	(1.139)	60682	95.7890	19.16
57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
60 Toluene	91	Compound Not Detected.					
61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
64 1,1,2-Trichloroethane	97	Compound Not Detected.					
65 Tetrachloroethene	164	Compound Not Detected.					
66 2-Hexanone	43	Compound Not Detected.					
67 Dibromochloromethane	129	9.295	9.300	(0.941)	3012	6.34245	1.268 <MDL
68 1,2-Dibromoethane	107	Compound Not Detected.					
70 Chlorobenzene	112	Compound Not Detected.					
72 Ethylbenzene	106	Compound Not Detected.					
73 m + p-Xylene	106	Compound Not Detected.					
74 Xylene-o	106	Compound Not Detected.					
M 75 Xylenes (total)	106	Compound Not Detected.					
76 Styrene	104	Compound Not Detected.					
77 Bromoform	173	Compound Not Detected.					
83 1,1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
84 1,2,3-Trichloropropane	110	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
95 1,2-Dichlorobenzene	146	Compound Not Detected.					

Bad 7/31/00

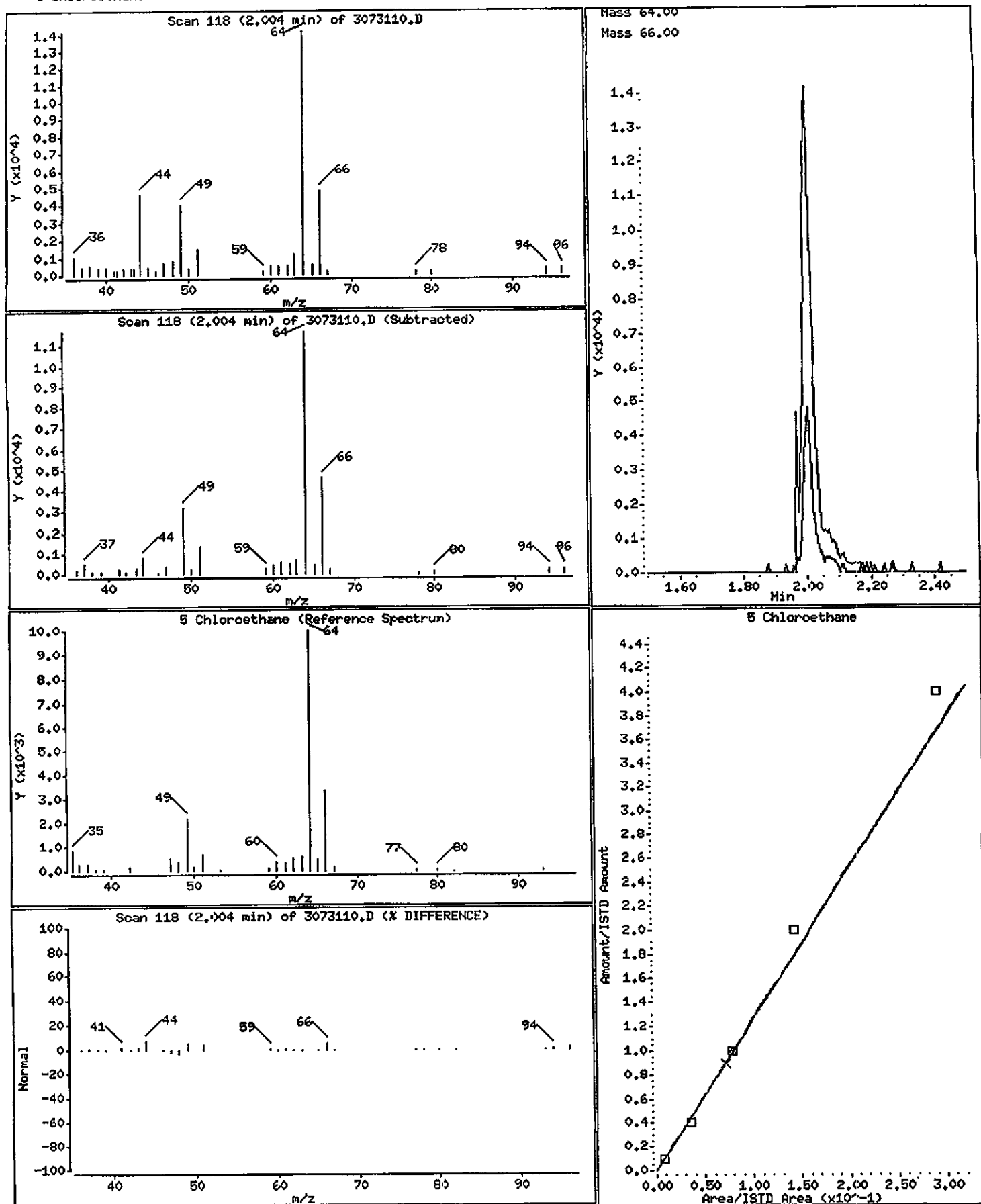
2 Chloromethane

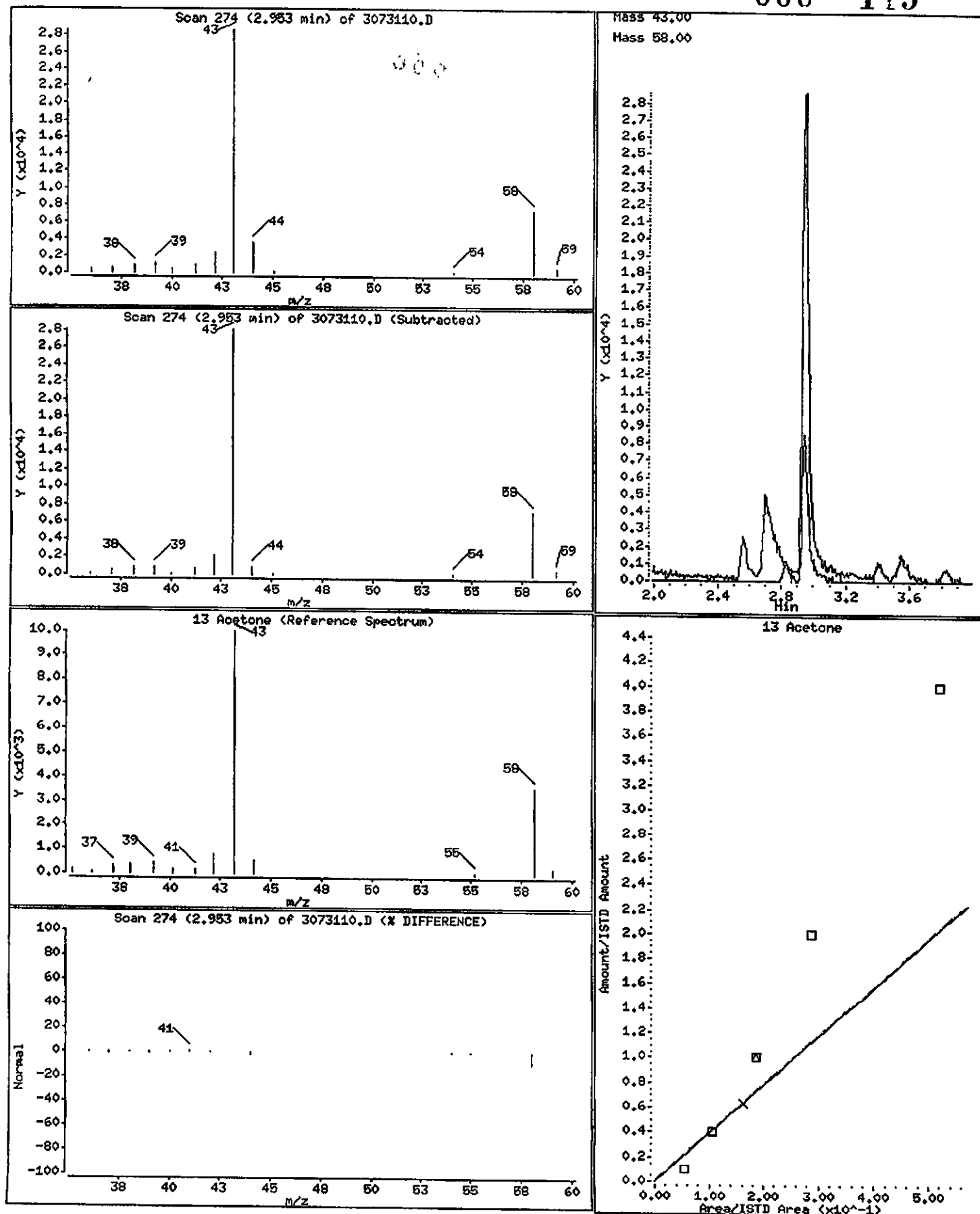




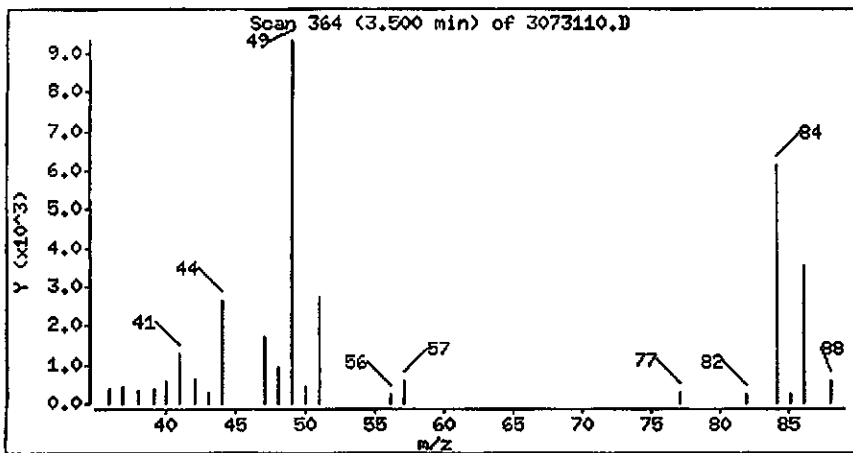
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5 Chloroethane

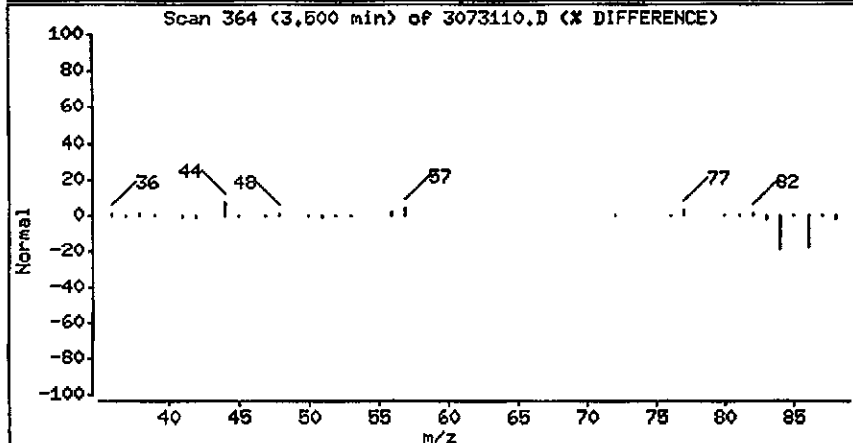
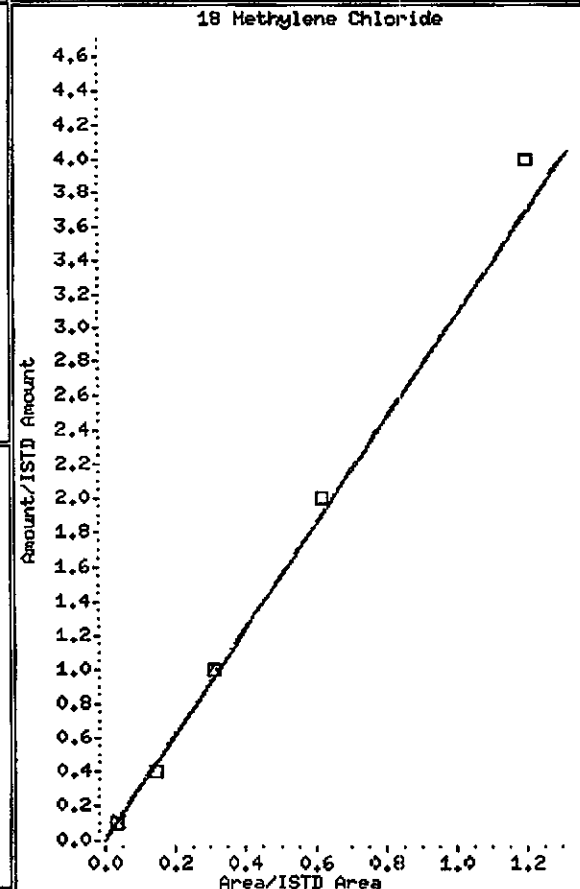
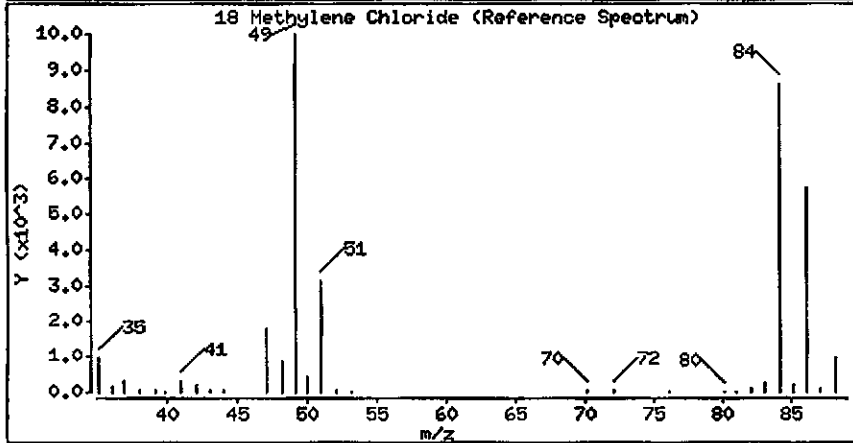
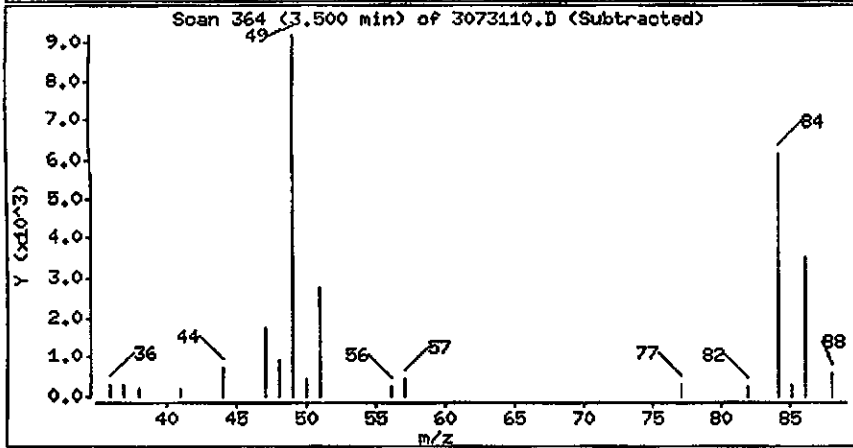
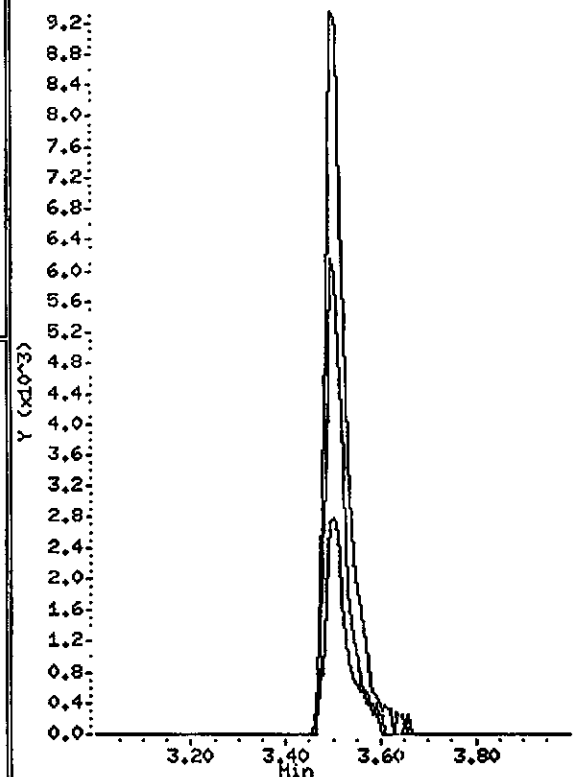


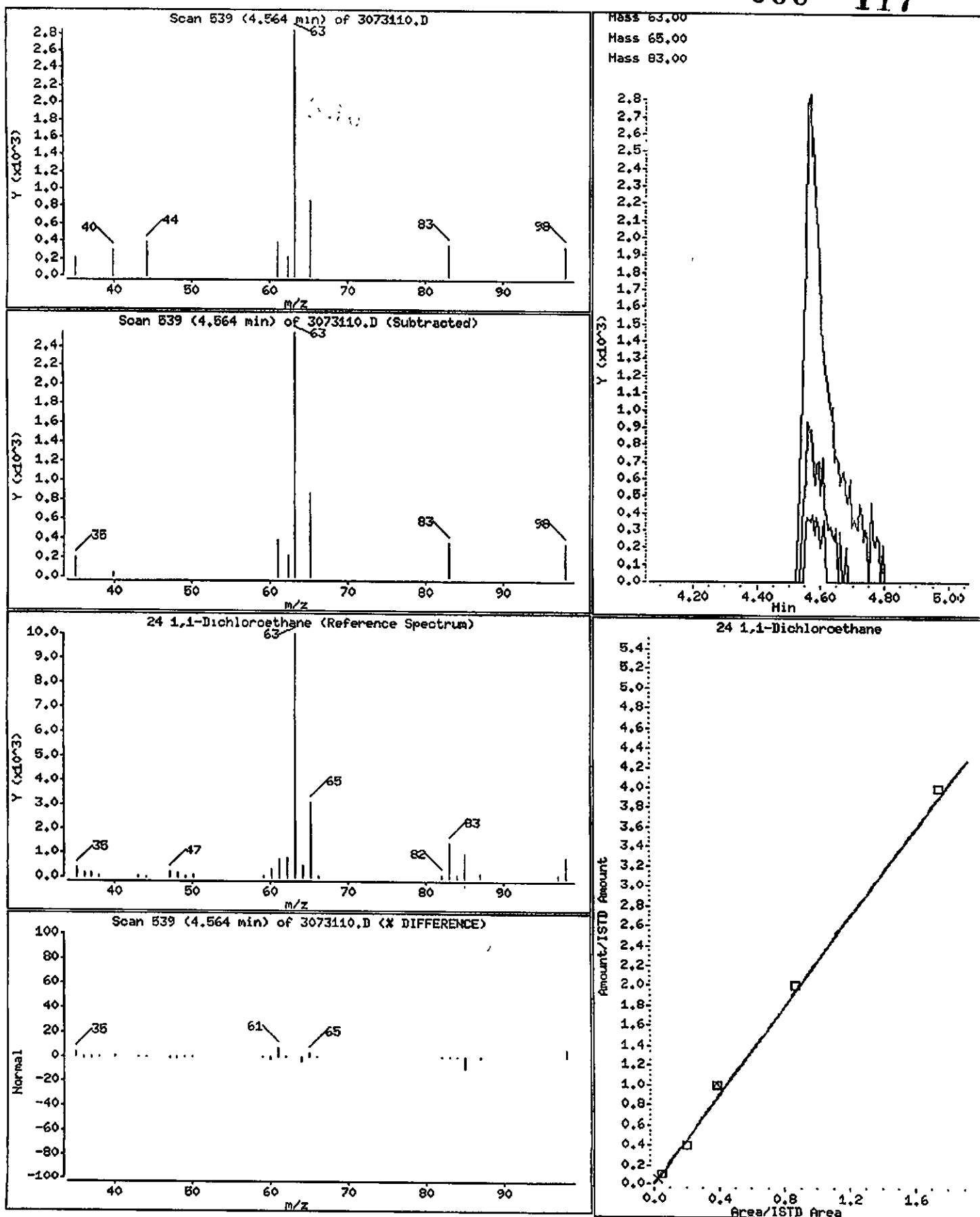


18 Methylene Chloride

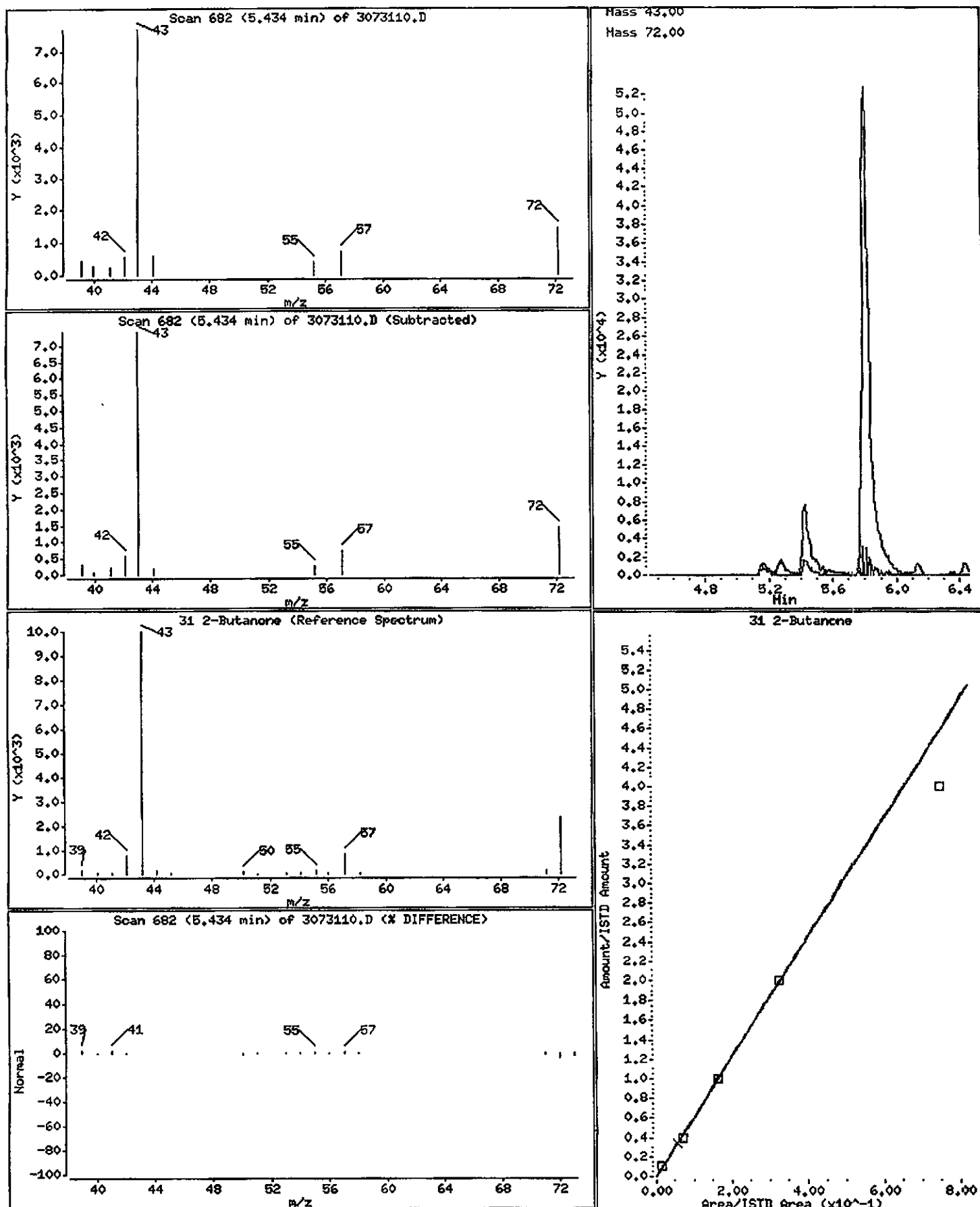


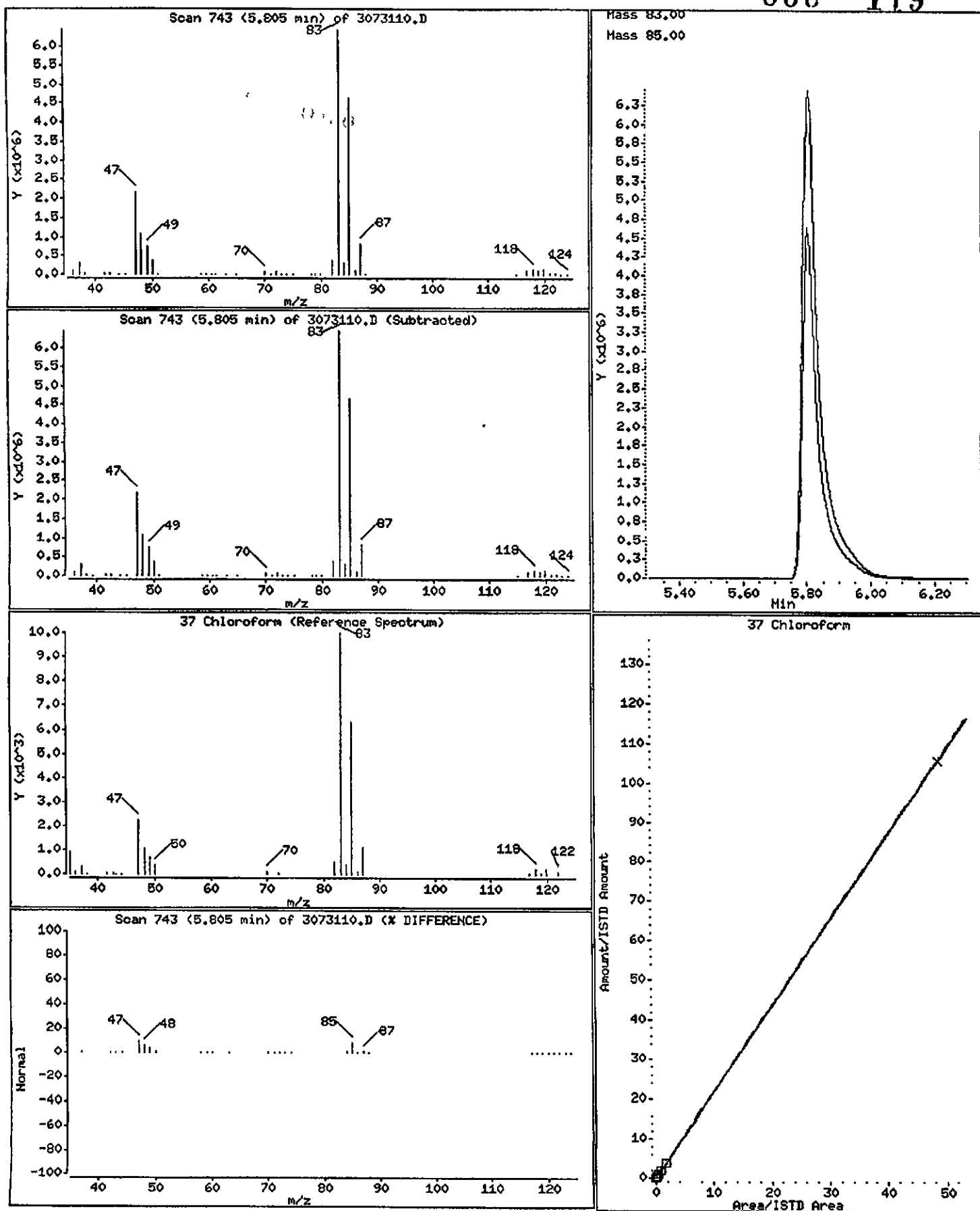
Mass 84.00
Mass 49.00
Mass 51.00





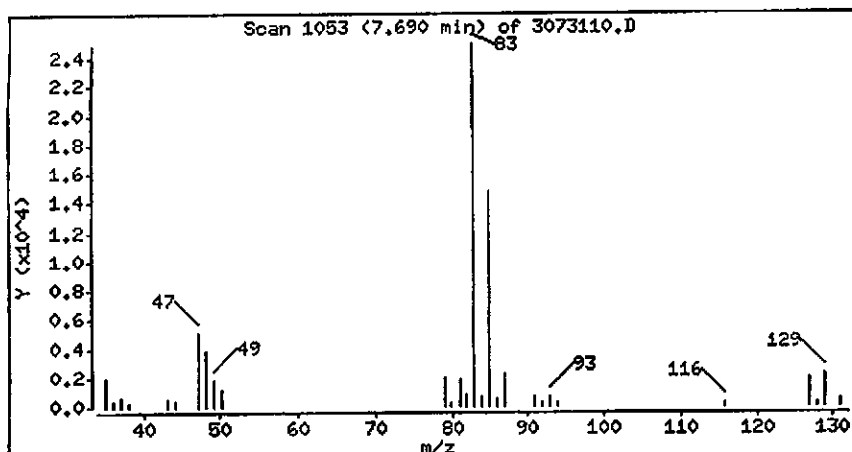
31 2-Butanone



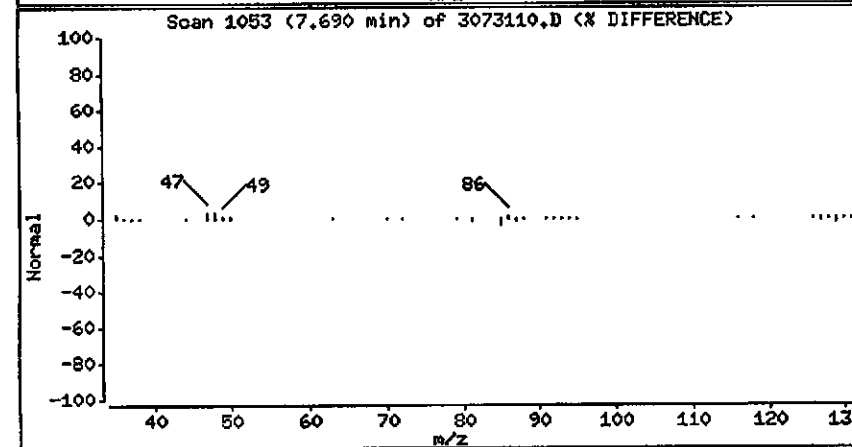
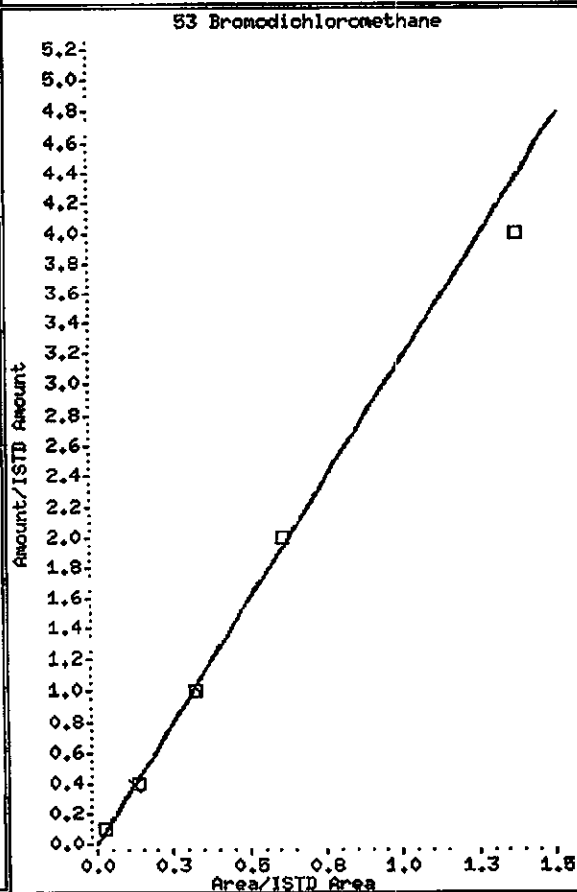
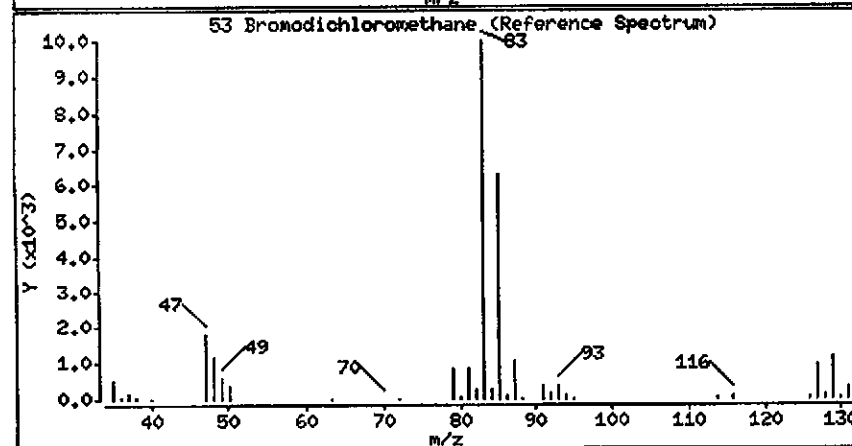
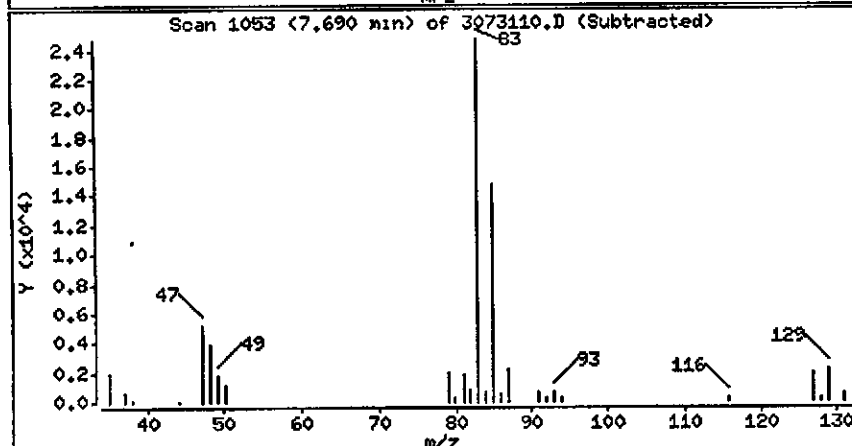
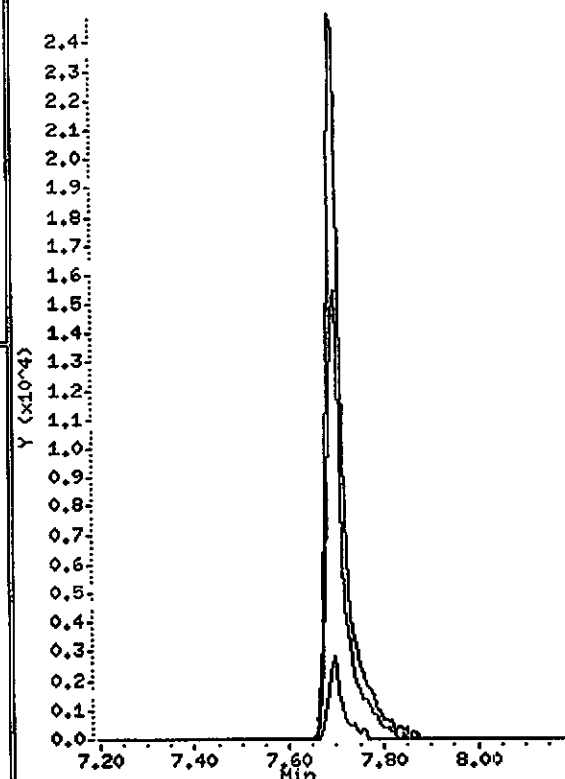


666 120

53 Bromodichloromethane



Mass 83.00
Mass 85.00
Mass 129.00



Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3201

Date Extracted: 07/31/00

Dilution factor: 100

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	350	J B
71-43-2	Benzene	500	U
75-27-4	Bromodichloromethane	500	U
75-25-2	Bromoform	500	U
74-83-9	Bromomethane	200	J
78-93-3	2-Butanone	2000	U
75-15-0	Carbon disulfide	500	U
56-23-5	Carbon tetrachloride	500	U
108-90-7	Chlorobenzene	500	U
124-48-1	Dibromochloromethane	500	U
75-00-3	Chloroethane	1000	U
67-66-3	Chloroform	10000	
74-87-3	Chloromethane	180	J
75-34-3	1,1-Dichloroethane	500	U
107-06-2	1,2-Dichloroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
540-59-0	1,2-Dichloroethene (total)	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
100-41-4	Ethylbenzene	500	U
591-78-6	2-Hexanone	2000	U
75-09-2	Methylene chloride	500	U
108-10-1	4-Methyl-2-pentanone	2000	U
100-42-5	Styrene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
127-18-4	Tetrachloroethene	500	U
108-88-3	Toluene	500	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/27/00

Work Order: DGXL3201

Date Extracted: 07/31/00

Dilution factor: 100

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: DF/S1/0208/IDW/002 -RE 1

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
79-01-6	Trichloroethene	500	U
75-01-4	Vinyl chloride	1000	U
1330-20-7	Xylenes (total)	500	U

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Date: 31-Jul-2000 11:40

Client ID: DF/SL/0208/IMU/002

Sample Info: C06270302-001 (1ML/100ML)/5HL

Purge Volume: 5.0

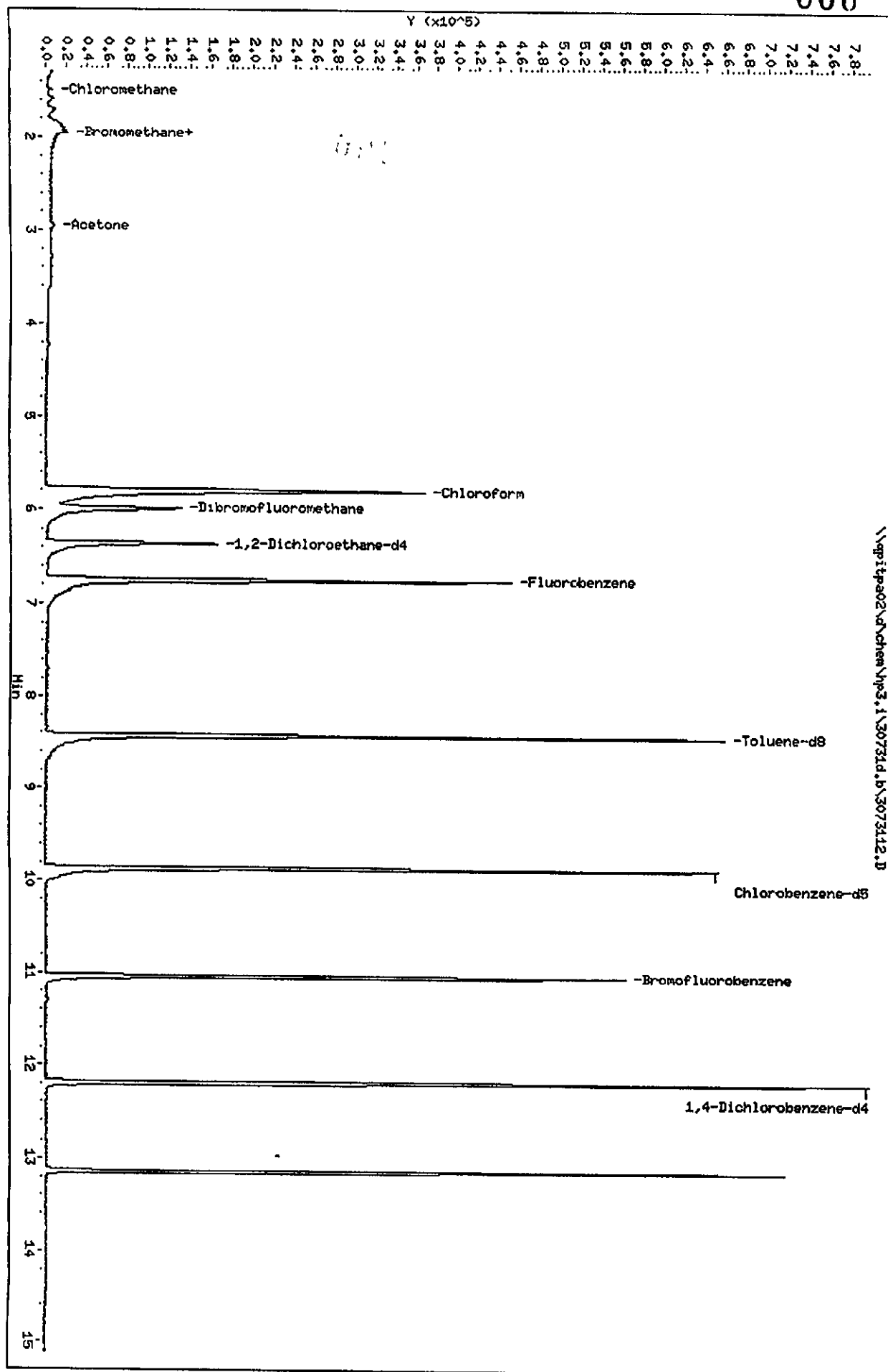
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Instrument: hps3.1

Operator: 10099

Column diameter: 0.18

Page 5



STL Pittsburgh

VOLATILE REPORT SW-846 Method

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 Operator : 10099 Inst ID: hp3.i
 Smp Info : C0G270302-001 (1ML/100ML)/5ML
 Misc Info : dgxl3201,30731d.b,8260bh2o.m,1-tcl.sub
 Comment :
 Method : \\QPITPA02\D\chem\hp3.i\30731d.b\8260bh2o.m
 Meth Date : 18-Jul-2000 13:52 Quant Type: ISTD
 Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
 Als bottle: 16
 Dil Factor: 100.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC073

K6 7/31/00 Compound Sublist: 1-tcl.sub

Concentration Formula: Amt * DF * 1/Vo*Vt

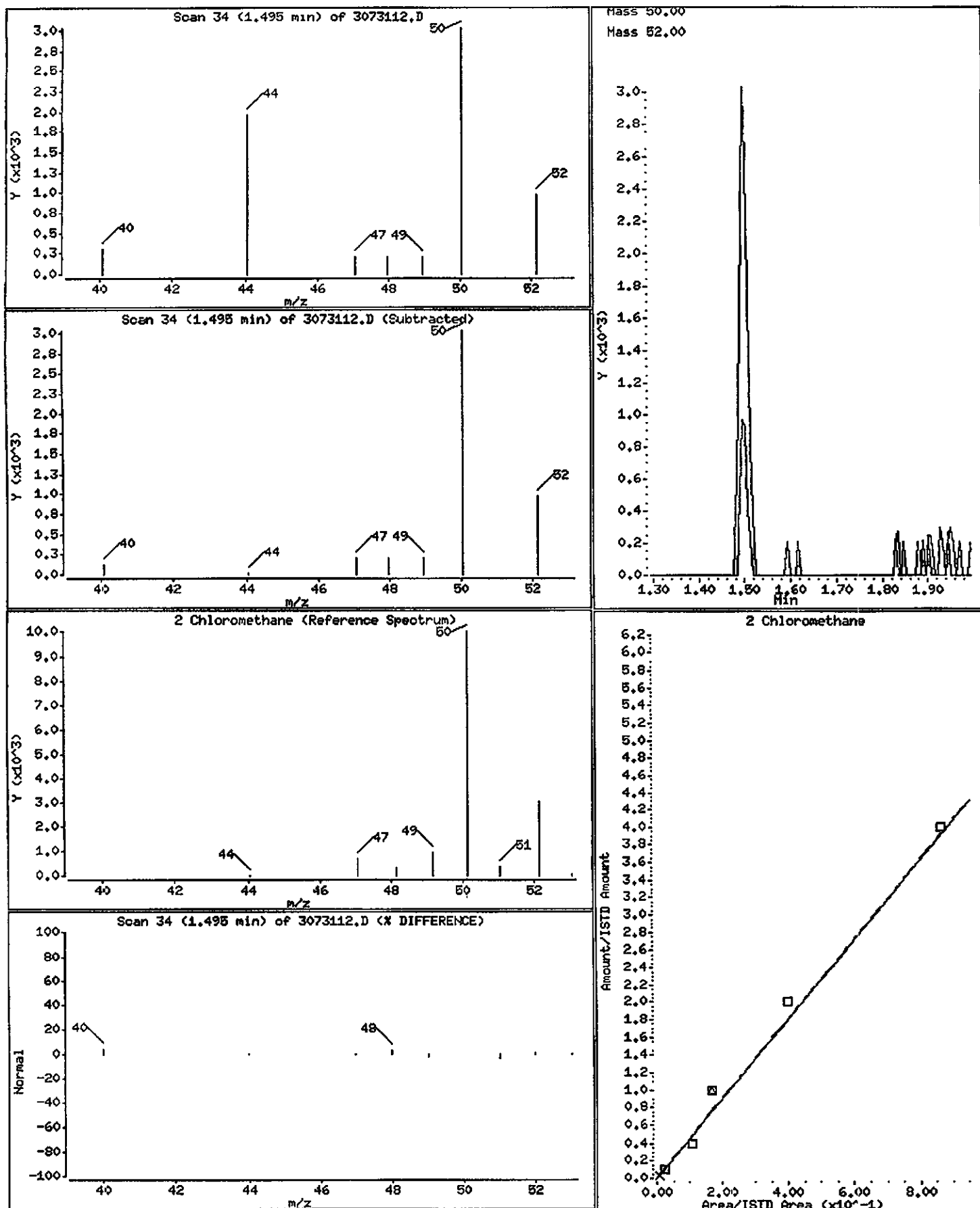
Name	Value	Description
DF	100.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

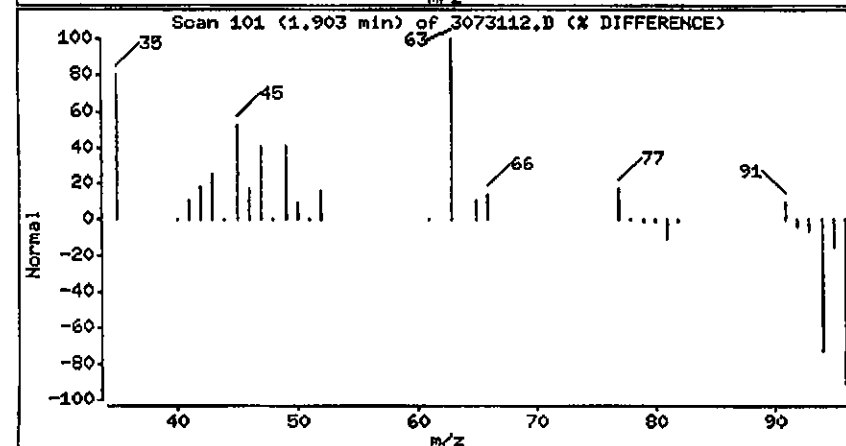
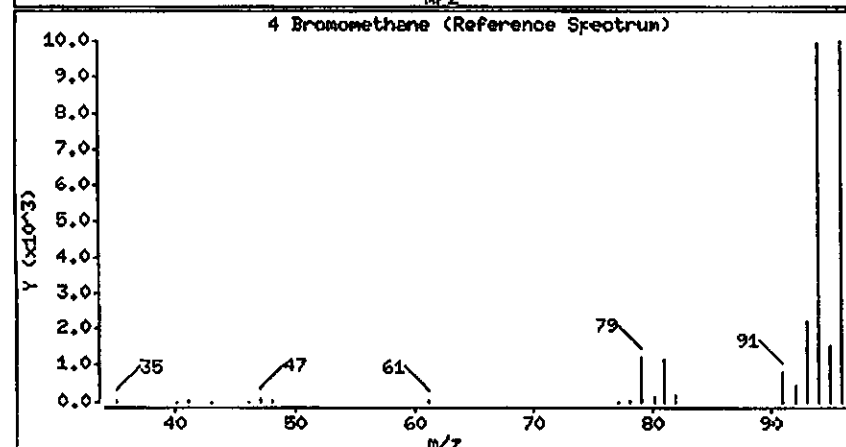
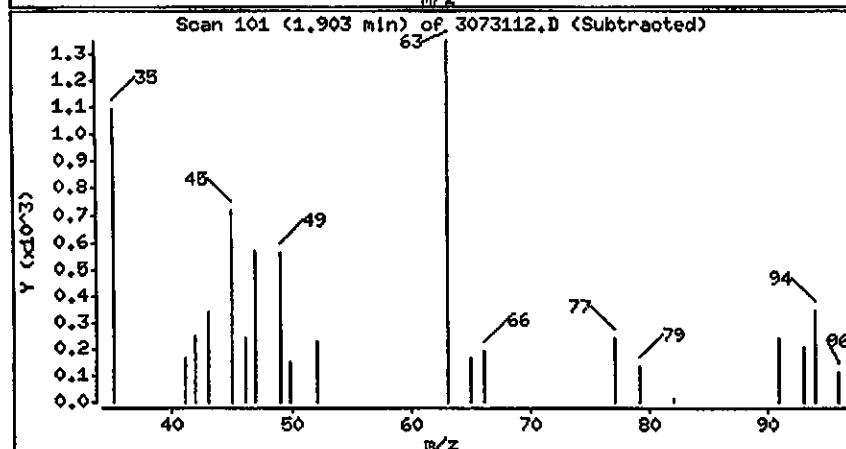
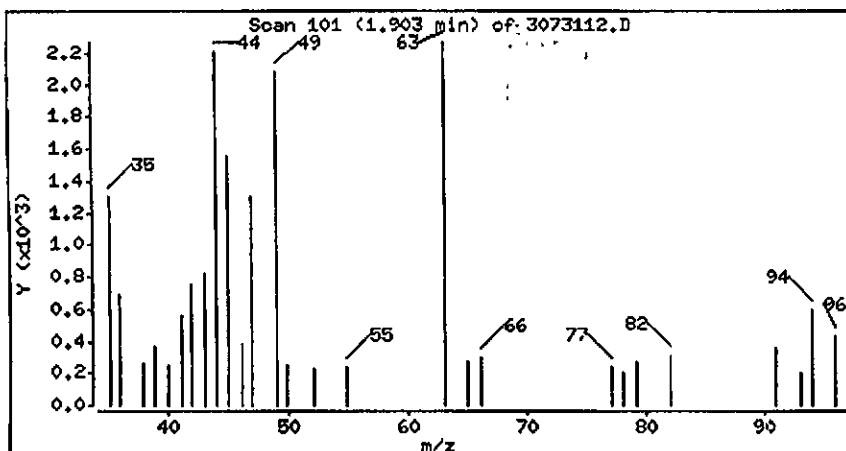
Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	6.755	6.752 (1.000)		491080	250.000	
* 69 Chlorobenzene-d5	119	9.869	9.871 (1.000)		122155	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.192	12.194 (1.000)		196800	250.000	
\$ 39 Dibromofluoromethane	113	5.989	5.991 (0.887)		129609	271.882	54.38
\$ 43 1,2-Dichloroethane-d4	65	6.360	6.356 (0.941)		155867	264.154	52.83
\$ 59 Toluene-d8	98	8.433	8.430 (0.855)		460496	260.416	52.08
\$ 80 Bromofluorobenzene	95	11.042	11.039 (1.119)		180200	228.904	45.78
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	1.495	1.491 (0.221)		3916	8.99711	179.9
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	1.902	1.899 (0.282)		2034	10.0623	201.2
5 Chloroethane	64	2.005	1.996 (0.297)		795	5.08734	101.7
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	2.954	2.993 (0.437)		8758	17.3523	347.0
18 Methylene Chloride	84	Compound Not Detected.					

2 mol 8/27/31/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
19 trans-1,2-Dichloroethene	96				Compound Not Detected.		
20 Methyl tert-butyl ether	73				Compound Not Detected.		
24 1,1-Dichloroethane	63				Compound Not Detected.		
28 cis-1,2-dichloroethene	96				Compound Not Detected.		
M 29 1,2-Dichloroethene (total)	96				Compound Not Detected.		
31 2-Butanone	43				Compound Not Detected.		
37 Chloroform	83	5.800	5.803	(0.859)	454596	499.186	9984
38 1,1,1-Trichloroethane	97				Compound Not Detected.		
41 Carbon Tetrachloride	117				Compound Not Detected.		
42 Benzene	78				Compound Not Detected.		
45 1,2-Dichloroethane	62				Compound Not Detected.		
47 Trichloroethene	130				Compound Not Detected.		
49 1,2-Dichloropropane	63				Compound Not Detected.		
50 Dibromomethane	93				Compound Not Detected.		
53 Bromodichloromethane	83				Compound Not Detected.		
57 cis-1,3-Dichloropropene	75				Compound Not Detected.		
58 4-Methyl-2-Pentanone	43				Compound Not Detected.		
60 Toluene	91				Compound Not Detected.		
61 trans-1,3-Dichloropropene	75				Compound Not Detected.		
64 1,1,2-Trichloroethane	97				Compound Not Detected.		
65 Tetrachloroethene	164				Compound Not Detected.		
66 2-Hexanone	43				Compound Not Detected.		
67 Dibromochloromethane	129				Compound Not Detected.		
68 1,2-Dibromoethane	107				Compound Not Detected.		
70 Chlorobenzene	112				Compound Not Detected.		
72 Ethylbenzene	106				Compound Not Detected.		
73 m + p-Xylene	106				Compound Not Detected.		
74 Xylene-o	106				Compound Not Detected.		
M 75 Xylenes (total)	106				Compound Not Detected.		
76 Styrene	104				Compound Not Detected.		
77 Bromoform	173				Compound Not Detected.		
83 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
84 1,2,3-Trichloropropane	110				Compound Not Detected.		
91 1,3-Dichlorobenzene	146				Compound Not Detected.		
93 1,4-Dichlorobenzene	146				Compound Not Detected.		
95 1,2-Dichlorobenzene	146				Compound Not Detected.		

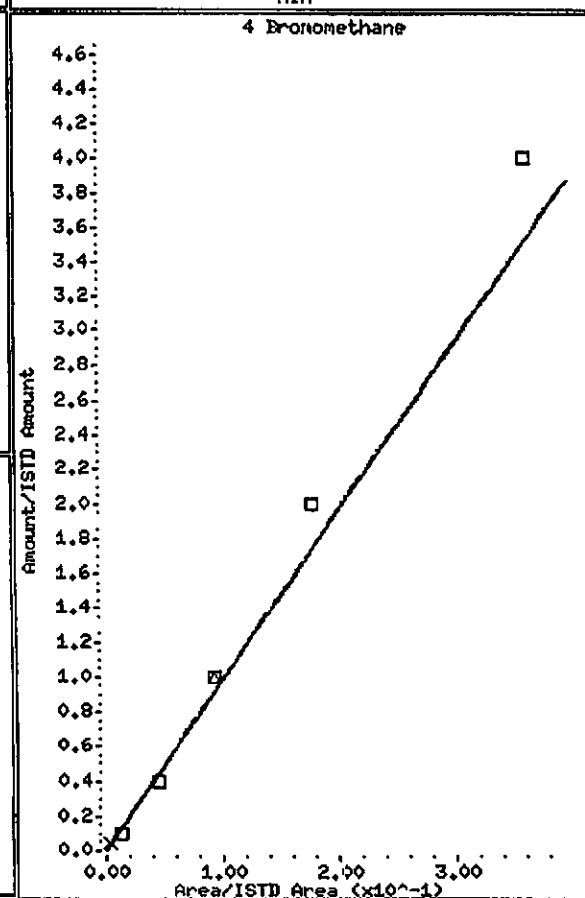
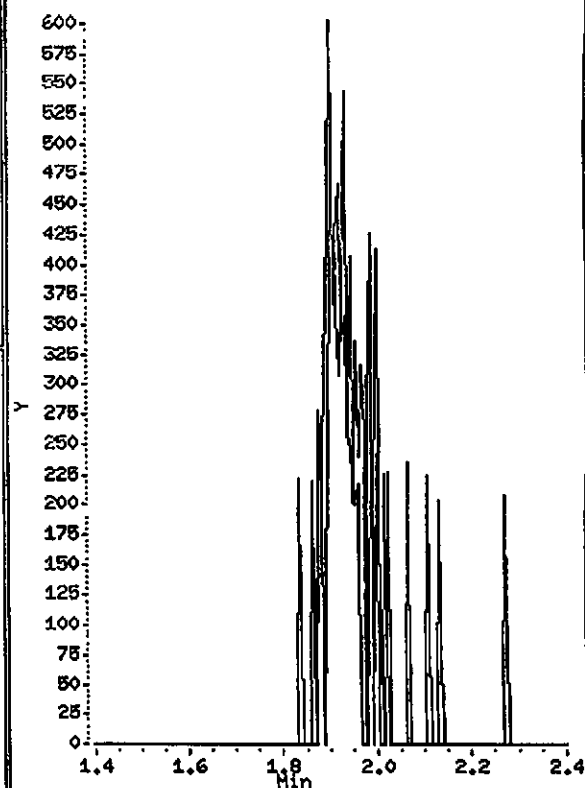
2 Chloromethane



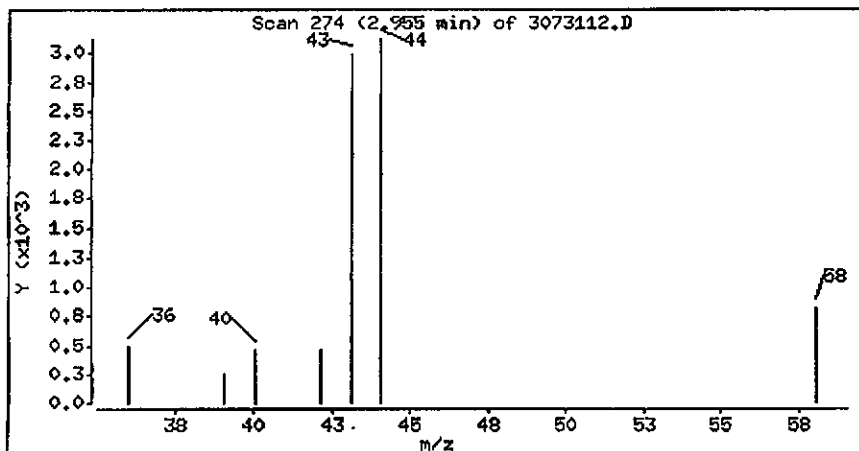
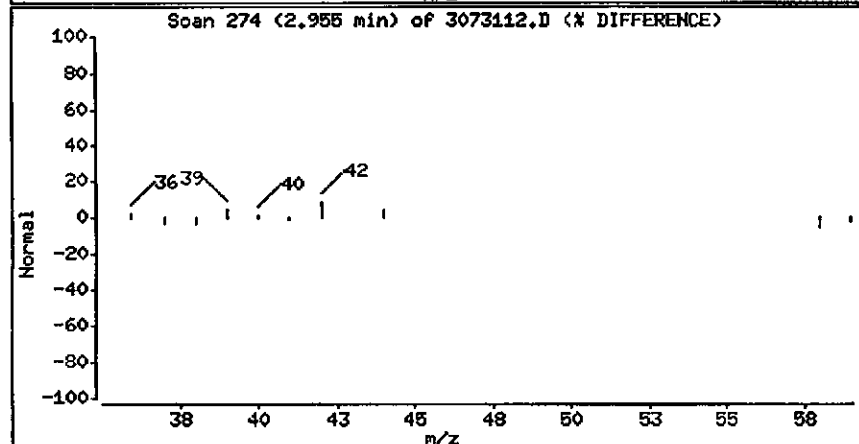
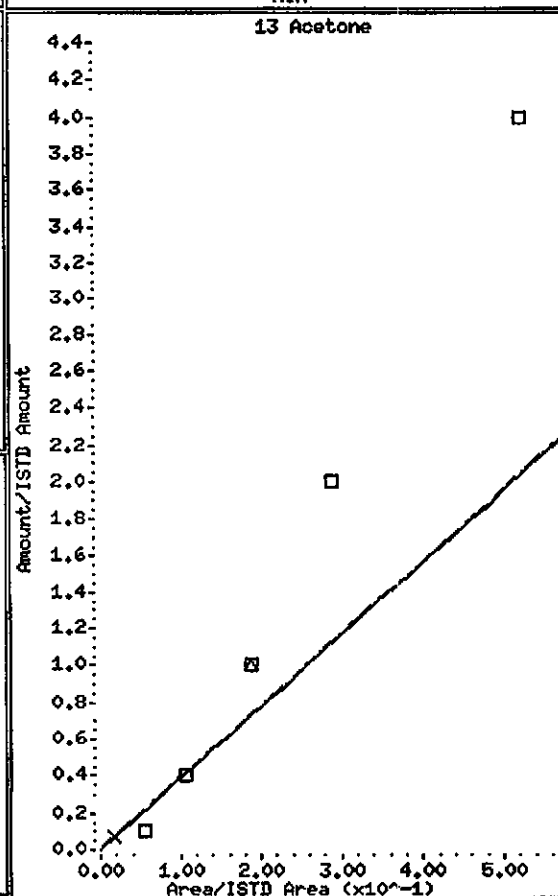
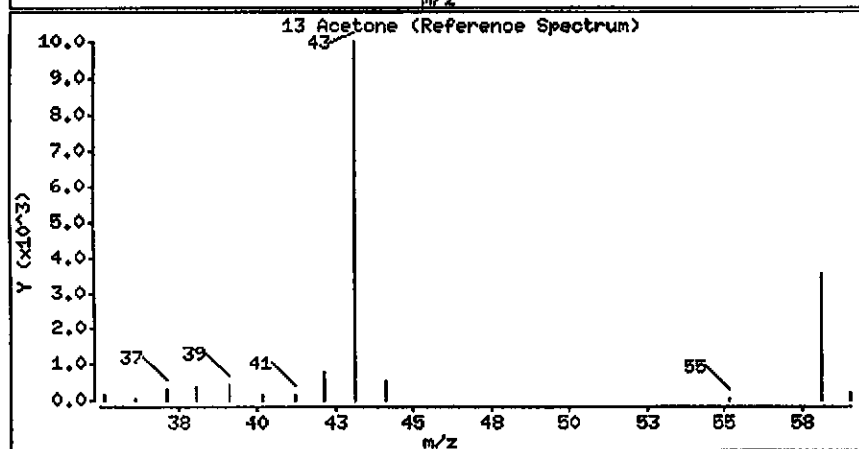
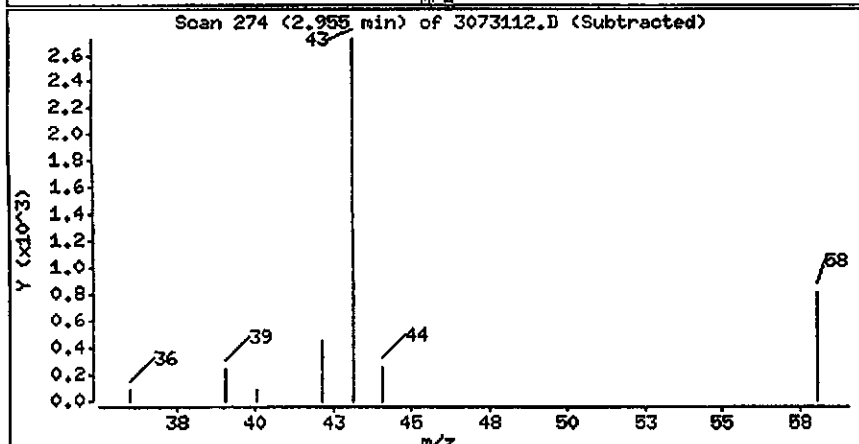
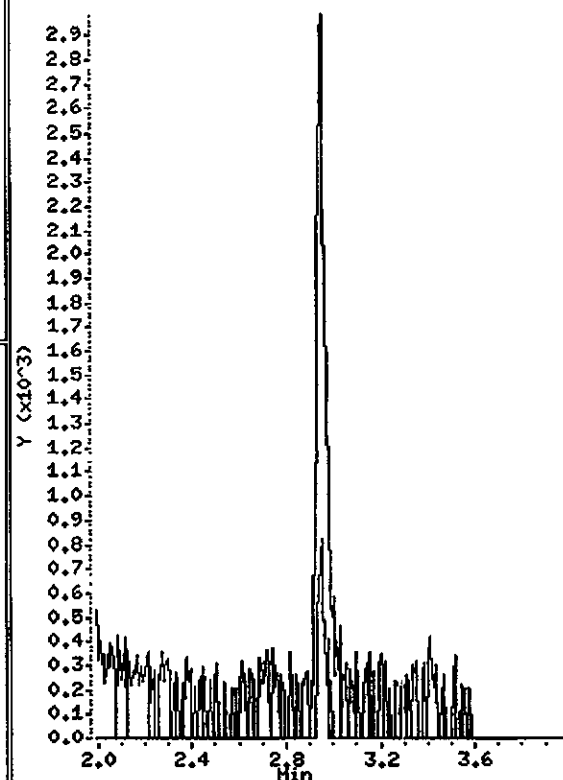


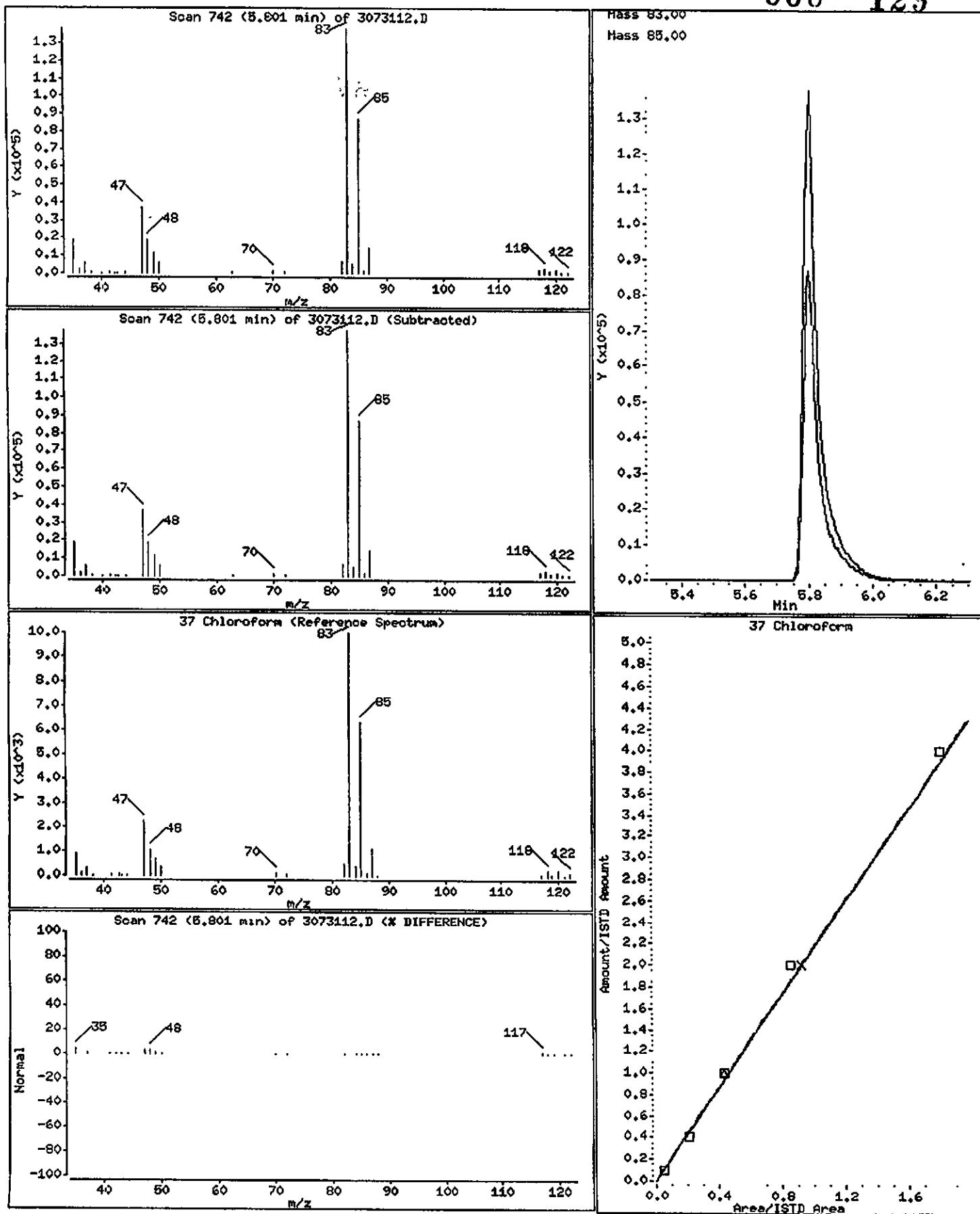
Mass 94.00

Mass 96.00



13 Acetone

Mass 43.00
Mass 58.00



666 130

**GC/MS VOLATILE
CALIBRATION DATA**

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH

Contract:

666 131

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30718D

Instrument ID: HP3

Calibration Date(s): 07/18/00 07/18/00

Heated Purge: (Y/N) N

Calibration Time(s): 0614 1316

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID:		RRF5 =4A30718		RRF20 =3B30718			
RRF50 =1C30718		RRF100=1D30718		RRF200=1E30718			
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.159	0.142	0.076	0.126	0.128	0.126	24.7
Chloromethane	* 0.253	0.269	0.168	0.200	0.216	0.221	18.3*
Vinyl Chloride	0.273	0.280	0.209	0.234	0.255	0.250	11.7
Bromomethane	0.126	0.114	0.094	0.090	0.090	0.103	16.0
Chloroethane	0.087	0.088	0.078	0.071	0.073	0.079	9.8
Trichlorofluoromethane	0.113	0.150	0.145	0.140	0.136	0.137	10.6
1,1-Dichloroethene	0.321	0.296	0.231	0.273	0.243	0.273	13.6
Methylene Chloride	0.357	0.357	0.307	0.308	0.300	0.326	8.8
trans-1,2-Dichloroethene	0.236	0.239	0.197	0.229	0.214	0.223	7.9
1,1-Dichloroethane	* 0.479	0.508	0.385	0.435	0.438	0.449	10.5*
cis-1,2-dichloroethene	0.272	0.312	0.241	0.275	0.279	0.276	9.1
Chloroform	0.482	0.522	0.432	0.430	0.452	0.464	8.4
Bromochloromethane	0.134	0.150	0.126	0.130	0.135	0.135	6.5
1,1,1-Trichloroethane	0.317	0.326	0.264	0.368	0.380	0.331	13.9
Carbon Tetrachloride	0.244	0.276	0.215	0.298	0.298	0.266	13.7
1,2-Dichloroethane	0.380	0.423	0.343	0.356	0.370	0.374	8.2
Benzene	1.032	1.112	0.941	1.034	0.993	1.022	6.1
Trichloroethene	0.256	0.302	0.243	0.264	0.280	0.269	8.4
1,2-Dichloropropane	0.240	0.290	0.240	0.250	0.267	0.257	8.3
Bromodichloromethane	0.269	0.340	0.325	0.304	0.345	0.317	9.8
cis-1,3-Dichloropropene	0.248	0.355	0.356	0.335	0.385	0.336	15.5
Toluene	4.154	5.030	4.182	4.645	4.469	4.496	8.1
trans-1,3-Dichloropropene	1.104	1.430	1.280	1.398	1.456	1.334	10.9
1,1,2-Trichloroethane	1.019	1.113	0.926	0.950	0.923	0.986	8.2
Tetrachloroethene	0.763	0.877	0.704	0.781	0.784	0.782	7.9
Dibromochloromethane	0.789	1.004	0.942	0.973	1.021	0.946	9.8
Chlorobenzene	* 3.498	3.720	3.133	3.218	3.178	3.349	7.5*
Ethylbenzene	1.614	1.975	1.678	1.781	1.781	1.766	7.8
Styrene	3.111	4.051	3.605	3.813	3.988	3.714	10.2
Bromoform	* 0.436	0.514	0.498	0.538	0.580	0.513	10.3*
1,1,2,2-Tetrachloroethane	* 0.916	0.877	0.754	0.720	0.716	0.797	11.7*
1,3-Dichlorobenzene	1.689	1.762	1.487	1.440	1.489	1.573	9.0
1,4-Dichlorobenzene	1.860	1.837	1.523	1.478	1.534	1.646	11.3
1,2-Dichlorobenzene	1.643	1.703	1.480	1.424	1.522	1.554	7.4
Dibromomethane	0.162	0.194	0.159	0.159	0.172	0.169	8.8
1,2-Dibromoethane	0.924	1.085	0.915	0.978	0.953	0.971	7.1
1,1,1,2-Tetrachloroethane	1.059	1.215	1.073	1.102	1.130	1.116	5.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30718D

Instrument ID: HP3

Calibration Date(s): 07/18/00 07/18/00

Heated Purge: (Y/N) N

Calibration Time(s): 0614 1316

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID:		RRF5 =4A30718		RRF20 =3B30718			
RRF50 =1C30718		RRF100=1D30718		RRF200=1E30718			
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
1,2,3-Trichloropropane	0.315	0.295	0.242	0.238	0.230	0.264	14.6
1,2-Dibromo-3-chloropropane	0.116	0.106	0.099	0.104	0.119	0.109	7.8
2,2-Dichloropropane	0.246	0.264	0.194	0.270	0.264	0.248	12.5
1,1-Dichloropropene	0.194	0.241	0.222	0.251	0.251	0.232	10.4
1,3-Dichloropropane	1.487	1.808	1.548	1.634	1.635	1.622	7.5
n-Propylbenzene	0.828	1.043	0.901	0.896	0.903	0.914	8.6
Bromobenzene	0.788	0.867	0.724	0.728	0.746	0.771	7.7
1,3,5-Trimethylbenzene	2.658	3.271	2.803	2.864	2.992	2.918	7.9
2-Chlorotoluene	0.901	1.029	0.863	0.867	0.916	0.915	7.4
4-Chlorotoluene	0.901	1.029	0.863	0.867	0.916	0.915	7.4
tert-Butylbenzene	2.009	2.632	2.312	2.300	2.363	2.323	9.5
1,2,4-Trimethylbenzene	2.677	3.207	2.793	2.755	2.808	2.848	7.3
sec-Butylbenzene	3.417	4.192	3.471	3.595	3.619	3.659	8.5
4-Isopropyltoluene	2.888	3.486	2.953	3.055	3.162	3.109	7.6
n-Butylbenzene	2.363	2.951	2.657	2.719	2.921	2.722	8.7
1,2,4-Trichlorobenzene	0.753	0.813	0.714	0.723	0.781	0.757	5.4
Hexachlorobutadiene	0.414	0.392	0.315	0.310	0.328	0.352	13.6
Naphthalene	2.140	2.125	1.918	1.756	1.890	1.966	8.3
1,2,3-Trichlorobenzene	0.776	0.752	0.652	0.624	0.661	0.693	9.6
Acetone	0.558	0.264	0.188	0.144	0.131	0.257	68.7
Carbon Disulfide	0.822	0.671	0.635	0.743	0.678	0.710	10.4
2-Butanone	0.130	0.176	0.162	0.163	0.188	0.164	13.1
4-Methyl-2-Pentanone	0.494	0.918	0.946	1.096	1.161	0.923	28.2
2-Hexanone	0.301	0.612	0.628	0.809	0.836	0.637	33.6
Methyl tert-butyl ether	0.504	0.426	0.343	0.513	0.462	0.450	15.3
Isopropylbenzene	4.718	6.367	5.342	5.958	5.944	5.666	11.4
1,2-Dichloroethene (total)	0.254	0.276	0.219	0.252	0.246	0.249	8.2
Xylenes (total)	1.906	2.441	2.114	2.260	2.336	2.211	9.4
Dibromofluoromethane	0.198	0.240	0.255	0.250	0.271	0.243	11.4
1,2-Dichloroethane-d4	0.265	0.278	0.317	0.310	0.332	0.300	9.4
Toluene-d8	2.773	3.522	3.786	4.025	3.988	3.619	14.2
Bromofluorobenzene	1.292	1.695	1.633	1.686	1.750	1.611	11.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

INITIAL CALIBRATION REPORT

666 133

Instrument ID: hp3.i
Lab File ID: 4A30718.D
Analysis Type: WATER

Injection Date: 18-JUL-2000 13:16
Lab Sample ID: VSTD5
Method File: \\QPITPA02\D\chem\hp3.i\30718d.b

COMPOUND	%RSD
-----	-----
Xylenes (total)	9.4
1,2-Dichloroethene (total)	8.2
Dichlorodifluoromethane	24.7
Chloromethane	18.3
Vinyl Chloride	11.7
Bromomethane	16.0
Chloroethane	9.8
Trichlorofluoromethane	10.6
1,1-Dichloroethene	13.6
Acetone	68.7
Carbon Disulfide	10.4
Methylene Chloride	8.8
trans-1,2-Dichloroethene	7.9
Methyl tert-butyl ether	15.3
1,1-Dichloroethane	10.5
2,2-Dichloropropane	12.5
cis-1,2-dichloroethene	9.1
2-Butanone	13.1
Bromochloromethane	6.5
Chloroform	8.4
1,1,1-Trichloroethane	13.9
Dibromofluoromethane	11.4
Carbon Tetrachloride	13.7
1,1-Dichloropropene	10.4
1,2-Dichloroethane-d4	9.4
Benzene	6.1
1,2-Dichloroethane	8.2
Trichloroethene	8.4
1,2-Dichloropropane	8.3
Dibromomethane	8.8
Bromodichloromethane	9.8
cis-1,3-Dichloropropene	15.5
4-Methyl-2-Pentanone	28.2
Toluene-d8	14.2
Toluene	8.1
trans-1,3-Dichloropropene	10.9
1,1,2-Trichloroethane	8.2
Tetrachloroethene	7.9
1,3-Dichloropropane	7.5

666 134

INITIAL CALIBRATION REPORT

Instrument ID: hp3.i
 Lab File ID: 4A30718.D
 Analysis Type: WATER

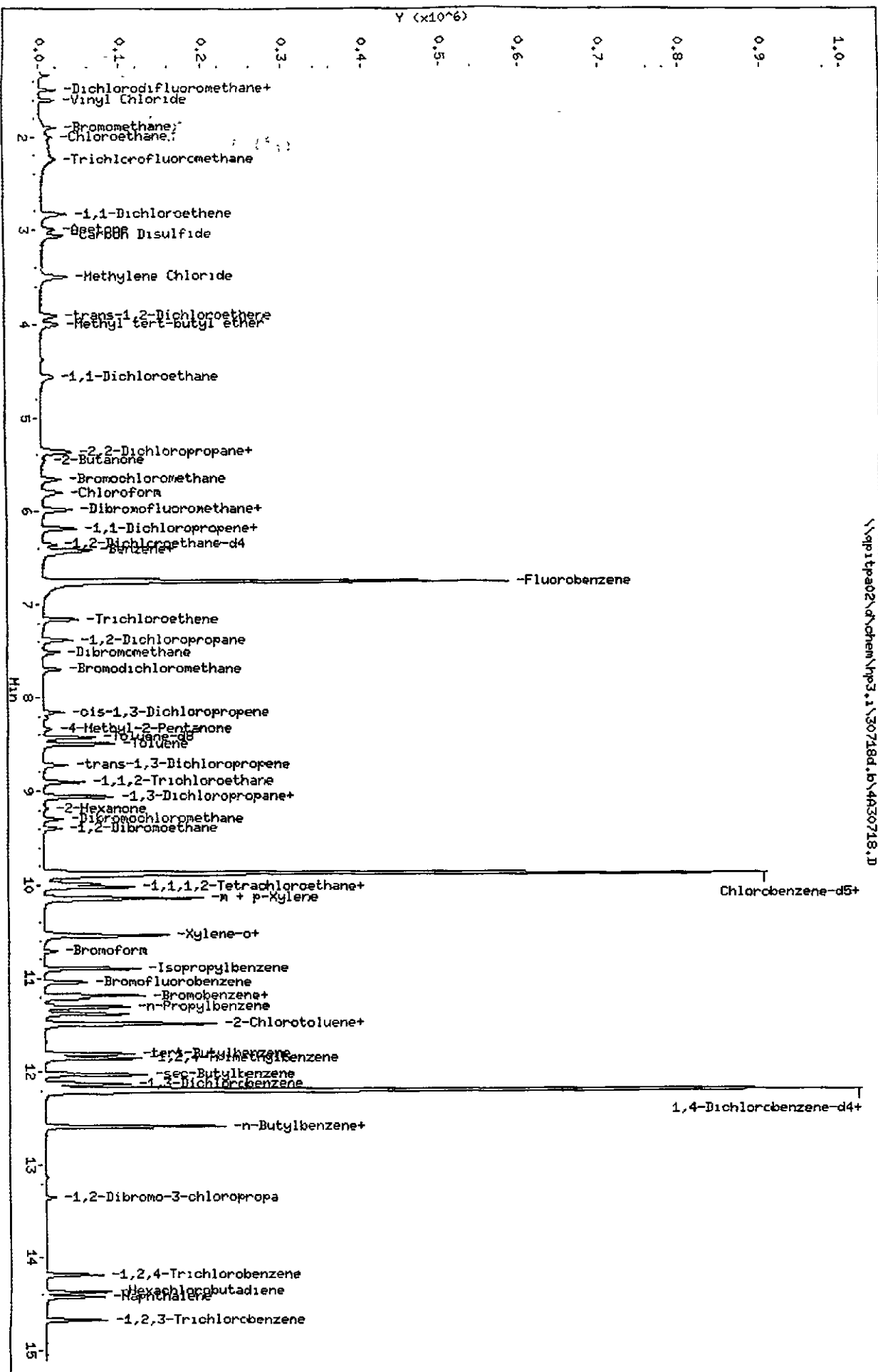
Injection Date: 18-JUL-2000 13:16
 Lab Sample ID: VSTD5
 Method File: \\QPITPA02\D\chem\hp3.i\30718d.b

COMPOUND	%RSD
2-Hexanone	33.6
Dibromochloromethane	9.8
1,2-Dibromoethane	7.1
Chlorobenzene	7.5
1,1,1,2-Tetrachloroethane	5.6
Ethylbenzene	7.8
m + p-Xylene	7.7
Xylene-o	9.4
Styrene	10.2
Bromoform	10.3
Isopropylbenzene	11.4
Bromofluorobenzene	11.4
1,1,2,2-Tetrachloroethane	11.7
Bromobenzene	7.7
1,2,3-Trichloropropane	14.6
n-Propylbenzene	8.6
4-Chlorotoluene	7.4
2-Chlorotoluene	7.4
1,3,5-Trimethylbenzene	7.9
tert-Butylbenzene	9.5
1,2,4-Trimethylbenzene	7.3
sec-Butylbenzene	8.5
1,3-Dichlorobenzene	9.0
4-Isopropyltoluene	7.6
1,4-Dichlorobenzene	11.3
n-Butylbenzene	8.7
1,2-Dichlorobenzene	7.4
1,2-Dibromo-3-chloropropane	7.8
1,2,4-Trichlorobenzene	5.4
Hexachlorobutadiene	13.6
Naphthalene	8.3
1,2,3-Trichlorobenzene	9.6

The average of all %RSD's in the initial calibration is 11.5

Data File: \\sp1tpa02\chem\hp3.1\30718d.b\4430718.D
 Date: 18-JUL-2000 13:16
 Client ID: VSTD5
 Sample Info: VSTD5 SHL
 Purge Volume: 5.0
 Column phase: DB 624

Instrument: hp3.1
 Operator: 10099
 Column diameter: 0.18



666 136

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30718d.b\4A30718.D
Lab Smp Id: VSTD5 Client Smp ID: VSTD5
Inj Date : 18-JUL-2000 13:16 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD5 5ML
Misc Info : ,30718d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30718d.b\8260bh2o.m
Meth Date : 18-Jul-2000 13:47 gordonk Quant Type: ISTD
Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwh20.sub
Target Version: 4.04
Processing Host: PITPC073

K6
7/18/00

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6.752	6.752	(1.000)	594582	250.000	
* 69 Chlorobenzene-d5	119	9.871	9.871	(1.000)	162178	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.194	12.194	(1.000)	262136	250.000	
\$ 39 Dibromofluoromethane	113	5.991	5.991	(0.887)	11743	25.0000	20.34
\$ 43 1,2-Dichloroethane-d4	65	6.356	6.356	(0.941)	15745	25.0000	22.04
\$ 59 Toluene-d8	98	8.430	8.430	(0.854)	44975	25.0000	19.16
\$ 80 Bromofluorobenzene	95	11.039	11.039	(1.118)	20953	25.0000	20.05
1 Dichlorodifluoromethane	85	1.339	1.339	(0.198)	9457	25.0000	31.52
2 Chloromethane	50	1.491	1.491	(0.221)	15071	25.0000	28.60
3 Vinyl Chloride	62	1.601	1.601	(0.237)	16250	25.0000	27.30
4 Bromomethane	94	1.899	1.899	(0.281)	7521	25.0000	30.73
5 Chloroethane	64	1.996	1.996	(0.296)	5174	25.0000	27.35
6 Trichlorofluoromethane	101	2.245	2.245	(0.333)	6701	25.0000	20.62
12 1,1-Dichloroethene	96	2.835	2.835	(0.420)	19079	25.0000	29.38
15 Carbon Disulfide	76	3.066	3.066	(0.454)	48849	25.0000	28.94
13 Acetone	43	2.993	2.993	(0.443)	33212	25.0000	54.35

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Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
-----	----	--	-----	-----	-----	-----	-----
18 Methylene Chloride	84	3.498	3.498	(0.518)	21205	25.0000	27.36
19 trans-1,2-Dichloroethene	96	3.905	3.905	(0.578)	14048	25.0000	26.49
20 Methyl tert-butyl ether	73	4.009	4.009	(0.594)	29967	25.0000	28.02
24 1,1-Dichloroethane	63	4.562	4.562	(0.676)	28484	25.0000	26.68
27 2,2-Dichloropropane	77	5.347	5.347	(0.792)	14660	25.0000	24.88
28 cis-1,2-dichloroethene	96	5.371	5.371	(0.796)	16171	25.0000	24.66
M 29 1,2-Dichloroethene (total)	96				30220	50.0000	50.95
30 Bromochloromethane	128	5.663	5.663	(0.839)	7998	25.0000	24.89
31 2-Butanone	43	5.456	5.456	(0.808)	7763	25.0000	19.91
37 Chloroform	83	5.803	5.803	(0.859)	28656	25.0000	25.99
38 1,1,1-Trichloroethane	97	5.985	5.985	(0.887)	18832	25.0000	23.90
40 1,1-Dichloropropene	75	6.192	6.192	(0.917)	11554	25.0000	20.95
41 Carbon Tetrachloride	117	6.186	6.186	(0.916)	14534	25.0000	22.94
42 Benzene	78	6.417	6.417	(0.950)	61377	25.0000	25.24
45 1,2-Dichloroethane	62	6.447	6.447	(0.955)	22567	25.0000	25.35
47 Trichloroethene	130	7.159	7.159	(1.060)	15222	25.0000	23.80
49 1,2-Dichloropropane	63	7.384	7.384	(1.094)	14278	25.0000	23.31
50 Dibromomethane	93	7.512	7.512	(1.113)	9641	25.0000	23.94
53 Bromodichloromethane	83	7.694	7.694	(1.140)	15984	25.0000	21.22
57 cis-1,3-Dichloropropene	75	8.162	8.162	(1.209)	14778	25.0000	18.49
58 4-Methyl-2-Pentanone	43	8.333	8.333	(0.844)	8013	25.0000	13.38
60 Toluene	91	8.497	8.497	(0.861)	67372	25.0000	23.10
61 trans-1,3-Dichloropropene	75	8.728	8.728	(0.884)	17903	25.0000	20.69
63 1,3-Dichloropropane	76	9.062	9.062	(0.918)	24118	25.0000	22.91
64 1,1,2-Trichloroethane	97	8.904	8.904	(0.902)	16521	25.0000	25.83
65 Tetrachloroethene	164	9.056	9.056	(0.917)	12382	25.0000	24.41
66 2-Hexanone	43	9.184	9.184	(0.930)	4880	25.0000	11.80
67 Dibromochloromethane	129	9.300	9.300	(0.942)	12797	25.0000	20.86
68 1,2-Dibromoethane	107	9.397	9.397	(0.952)	14987	25.0000	23.79
70 Chlorobenzene	112	9.902	9.902	(1.003)	56733	25.0000	26.11
71 1,1,1,2-Tetrachloroethane	131	9.981	9.981	(1.011)	17170	25.0000	23.72
72 Ethylbenzene	106	10.017	10.017	(1.015)	26178	25.0000	22.85
73 m + p-Xylene	106	10.139	10.139	(1.027)	69996	50.0000	46.11
74 Xylene-o	106	10.528	10.528	(1.067)	30907	25.0000	21.54
M 75 Xylenes (total)	106				100904	25.0000	70.33
76 Styrene	104	10.540	10.540	(1.068)	50450	25.0000	20.94
77 Bromoform	173	10.710	10.710	(1.085)	7071	25.0000	21.24
78 Isopropylbenzene	105	10.899	10.899	(1.104)	76520	25.0000	20.82
79 Bromobenzene	156	11.185	11.185	(0.917)	20647	25.0000	25.55
81 n-Propylbenzene	120	11.306	11.306	(0.927)	21703	25.0000	22.64
82 2-Chlorotoluene	126	11.489	11.489	(0.942)	23621	25.0000	24.61
83 1,1,2,2-Tetrachloroethane	83	11.185	11.185	(0.917)	23999	25.0000	28.74
84 1,2,3-Trichloropropane	110	11.215	11.215	(0.920)	8261	25.0000	29.83
85 4-Chlorotoluene	126	11.489	11.489	(0.942)	23621	25.0000	24.61
86 1,3,5-Trimethylbenzene	105	11.489	11.489	(0.942)	69666	25.0000	22.77
87 tert-Butylbenzene	119	11.805	11.805	(0.968)	52658	25.0000	21.62
88 1,2,4-Trimethylbenzene	105	11.854	11.854	(0.972)	70186	25.0000	23.50

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
89 sec-Butylbenzene	105	12.030	12.030	(0.987)	89568	25.0000	23.35
90 4-Isopropyltoluene	119	12.176	12.176	(0.999)	75700	25.0000	23.22
91 1,3-Dichlorobenzene	146	12.127	12.127	(0.995)	44284	25.0000	26.84
93 1,4-Dichlorobenzene	146	12.219	12.219	(1.002)	48769	25.0000	28.25
94 n-Butylbenzene	91	12.584	12.584	(1.032)	61945	25.0000	21.70
95 1,2-Dichlorobenzene	146	12.584	12.584	(1.032)	43066	25.0000	26.42
96 1,2-Dibromo-3-chloropropane	157	13.350	13.350	(1.095)	3055	25.0000	26.76
97 1,2,4-Trichlorobenzene	180	14.189	14.189	(1.164)	19741	25.0000	24.87
98 Hexachlorobutadiene	225	14.371	14.371	(1.179)	10866	25.0000	29.46
99 Naphthalene	128	14.426	14.426	(1.183)	56090	25.0000	27.21
100 1,2,3-Trichlorobenzene	180	14.669	14.669	(1.203)	20340	25.0000	27.99

Data File: \\spitpa02\chem\hp3.1\30718d.b\3B30718.D

Date: 18-JUL-2000 12:39

Client ID: VSTD20

Sample Info: VSTD20 EHL

Purge Volume: 5.0

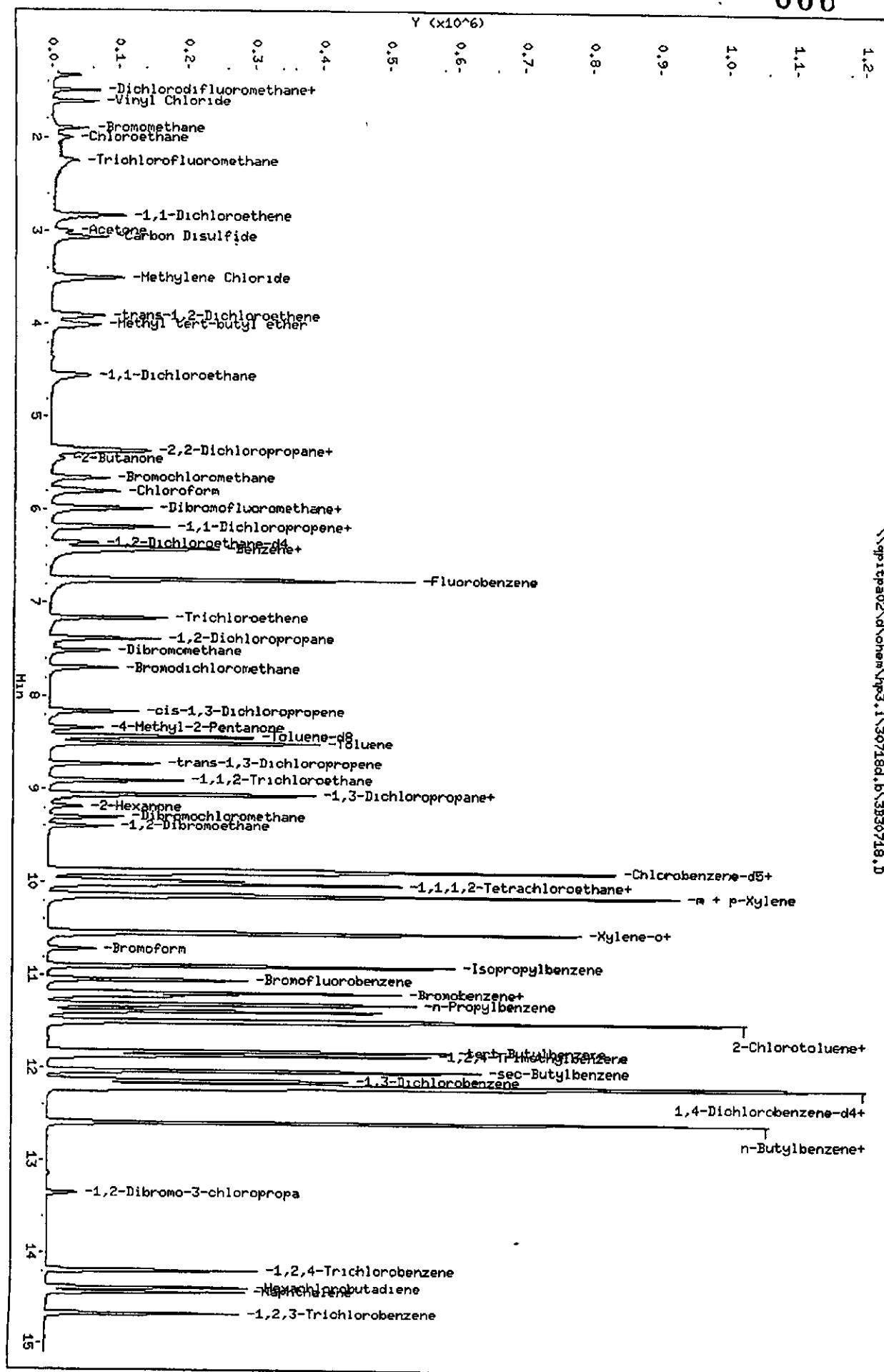
Column phase: DB 624

Instrument: hp3.1

Operator: 10099

Column diameter: 0.18

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STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30718d.b\3B30718.D
 Lab Smp Id: VSTD20 Client Smp ID: VSTD20
 Inj Date : 18-JUL-2000 12:39 MS Autotune Date: 20-FEB-1997 10:53
 Operator : 10099 Inst ID: hp3.i
 Smp Info : VSTD20 5ML
 Misc Info : ,30718d.b,8260bh2o.m,4-dwh20.sub
 Comment :
 Method : \\QPITPA02\D\chem\hp3.i\30718d.b\8260bh2o.m
 Meth Date : 18-Jul-2000 13:09 gordonk Quant Type: ISTD
 Cal Date : 18-JUL-2000 12:39 Cal File: 3B30718.D
 Als bottle: 17 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 4-dwh20.sub
 Target Version: 4.04
 Processing Host: PITPC073

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene		96	6.748	6.748	(1.000)	542654	250.000	
* 69 Chlorobenzene-d5		119	9.868	9.868	(1.000)	152347	250.000	
* 92 1,4-Dichlorobenzene-d4		152	12.191	12.191	(1.000)	264206	250.000	
\$ 39 Dibromofluoromethane		113	5.994	5.994	(0.888)	52036	100.000	95.93
\$ 43 1,2-Dichloroethane-d4		65	6.359	6.359	(0.942)	60260	100.000	88.97
\$ 59 Toluene-d8		98	8.432	8.432	(0.855)	214631	100.000	96.47
\$ 80 Bromofluorobenzene		95	11.041	11.041	(1.119)	103318	100.000	104.0
1 Dichlorodifluoromethane		85	1.336	1.336	(0.198)	30736	100.000	113.3
2 Chloromethane		50	1.494	1.494	(0.221)	58453	100.000	123.7
3 Vinyl Chloride		62	1.603	1.603	(0.238)	60847	100.000	115.2
4 Bromomethane		94	1.895	1.895	(0.281)	24715	100.000	110.1
5 Chloroethane		64	1.998	1.998	(0.296)	19143	100.000	110.6
6 Trichlorofluoromethane		101	2.242	2.242	(0.332)	32584	100.000	108.5
12 1,1-Dichloroethene		96	2.832	2.832	(0.420)	64337	100.000	110.2
15 Carbon Disulfide		76	3.063	3.063	(0.454)	145636	100.000	100.8
13 Acetone		43	3.002	3.002	(0.445)	57226	100.000	92.65

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	----	-----	-----	-----	-----	-----
18 Methylene Chloride	84	3.494	3.494	(0.518)	77528	100.000	107.5
19 trans-1,2-Dichloroethene	96	3.908	3.908	(0.579)	51954	100.000	109.6
20 Methyl tert-butyl ether	73	4.005	4.005	(0.594)	92455	100.000	104.6
24 1,1-Dichloroethane	63	4.559	4.559	(0.676)	110340	100.000	115.4
27 2,2-Dichloropropane	77	5.349	5.349	(0.793)	57243	100.000	109.3
28 cis-1,2-dichloroethene	96	5.374	5.374	(0.796)	67693	100.000	115.6
M 29 1,2-Dichloroethene (total)	96				119648	200.000	225.8
30 Bromochloromethane	128	5.659	5.659	(0.839)	32479	100.000	112.6
31 2-Butanone	43	5.453	5.453	(0.808)	38287	100.000	104.2
37 Chloroform	83	5.799	5.799	(0.859)	113321	100.000	114.8
38 1,1,1-Trichloroethane	97	5.982	5.982	(0.886)	70874	100.000	101.1
40 1,1-Dichloropropene	75	6.188	6.188	(0.917)	52302	100.000	107.6
41 Carbon Tetrachloride	117	6.182	6.182	(0.916)	60030	100.000	106.1
42 Benzene	78	6.420	6.420	(0.951)	241286	100.000	111.9
45 1,2-Dichloroethane	62	6.444	6.444	(0.955)	91887	100.000	116.2
47 Trichloroethene	130	7.161	7.161	(1.061)	65504	100.000	114.7
49 1,2-Dichloropropane	63	7.380	7.380	(1.094)	63071	100.000	114.7
50 Dibromomethane	93	7.508	7.508	(1.113)	42153	100.000	115.1
53 Bromodichloromethane	83	7.697	7.697	(1.141)	73821	100.000	108.5
57 cis-1,3-Dichloropropene	75	8.159	8.159	(1.209)	76971	100.000	108.3
58 4-Methyl-2-Pentanone	43	8.335	8.335	(0.845)	55966	100.000	98.43
60 Toluene	91	8.499	8.499	(0.861)	306554	100.000	114.3
61 trans-1,3-Dichloropropene	75	8.724	8.724	(0.884)	87129	100.000	111.6
63 1,3-Dichloropropane	76	9.065	9.065	(0.919)	110202	100.000	113.7
64 1,1,2-Trichloroethane	97	8.907	8.907	(0.903)	67817	100.000	115.5
65 Tetrachloroethene	164	9.053	9.053	(0.917)	53466	100.000	115.7
66 2-Hexanone	43	9.180	9.180	(0.930)	37329	100.000	96.19
67 Dibromochloromethane	129	9.296	9.296	(0.942)	61162	100.000	108.4
68 1,2-Dibromoethane	107	9.393	9.393	(0.952)	66139	100.000	115.1
70 Chlorobenzene	112	9.898	9.898	(1.003)	226708	100.000	111.6
71 1,1,1,2-Tetrachloroethane	131	9.983	9.983	(1.012)	74035	100.000	112.5
72 Ethylbenzene	106	10.020	10.020	(1.015)	120350	100.000	115.2
73 m + p-Xylene	106	10.135	10.135	(1.027)	316166	200.000	228.8
74 Xylene-o	106	10.524	10.524	(1.067)	148743	100.000	114.9
M 75 Xylenes (total)	106				464910	100.000	359.2
76 Styrene	104	10.543	10.543	(1.058)	246892	100.000	113.7
77 Bromoform	173	10.713	10.713	(1.086)	31307	100.000	104.0
78 Isopropylbenzene	105	10.895	10.895	(1.104)	388001	100.000	117.6
79 Bromobenzene	156	11.181	11.181	(0.917)	91655	100.000	117.0
81 n-Propylbenzene	120	11.309	11.309	(0.928)	110223	100.000	120.4
82 2-Chlorotoluene	126	11.491	11.491	(0.943)	108777	100.000	116.6
83 1,1,2,2-Tetrachloroethane	83	11.181	11.181	(0.917)	92659	100.000	115.7
84 1,2,3-Trichloropropane	110	11.218	11.218	(0.920)	31202	100.000	117.7
85 4-Chlorotoluene	126	11.491	11.491	(0.943)	108777	100.000	116.6
86 1,3,5-Trimethylbenzene	105	11.485	11.485	(0.942)	345724	100.000	117.5
87 tert-Butylbenzene	119	11.808	11.808	(0.969)	278124	100.000	119.6
88 1,2,4-Trimethylbenzene	105	11.850	11.850	(0.972)	338926	100.000	118.8

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	=====	==	=====	=====	=====	(ng)	(ng)
89 sec-Butylbenzene	105	12.026	12.026	(0.987)	443000	100.000	121.5
90 4-Isopropyltoluene	119	12.172	12.172	(0.999)	368430	100.000	118.1
91 1,3-Dichlorobenzene	146	12.130	12.130	(0.995)	186189	100.000	117.2
93 1,4-Dichlorobenzene	146	12.215	12.215	(1.002)	194189	100.000	116.0
94 n-Butylbenzene	91	12.580	12.580	(1.032)	311832	100.000	115.8
95 1,2-Dichlorobenzene	146	12.580	12.580	(1.032)	179944	100.000	115.1
96 1,2-Dibromo-3-chloropropane	157	13.346	13.346	(1.095)	11174	100.000	105.4
97 1,2,4-Trichlorobenzene	180	14.185	14.185	(1.164)	85951	100.000	116.4
98 Hexachlorobutadiene	225	14.374	14.374	(1.179)	41400	100.000	122.5
99 Naphthalene	128	14.423	14.423	(1.183)	224588	100.000	124.0
100 1,2,3-Trichlorobenzene	180	14.672	14.672	(1.204)	79437	100.000	120.6

Instrument: hp3.i
Operator: 10099
Column diameter: 0.18



STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30718d.b\1C30718.D
 Lab Smp Id: VSTD50 Client Smp ID: VSTD50
 Inj Date : 18-JUL-2000 06:14 MS Autotune Date: 20-FEB-1997 10:53
 Operator : 10099 Inst ID: hp3.i
 Smp Info : VSTD50 5ML
 Misc Info : VSTD50,30718d.b,8260bh2o.m,4-dwh20.sub
 Comment :
 Method : \\qpitpa02\d\chem\hp3.i\30718d.b\8260bh2o.m
 Meth Date : 18-Jul-2000 09:17 gordonk Quant Type: ISTD
 Cal Date : 18-JUL-2000 06:14 Cal File: 1C30718.D
 Als bottle: 3 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 4-dwh20.sub
 Target Version: 4.04
 Processing Host: PITPC073

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
* 46 Fluorobenzene		96	6.748	6.748	(1.000)	489351	250.000	
* 69 Chlorobenzene-d5		119	9.874	9.874	(1.000)	144127	250.000	
* 92 1,4-Dichlorobenzene-d4		152	12.191	12.191	(1.000)	257376	250.000	
\$ 39 Dibromofluoromethane		113	5.994	5.994	(0.888)	124818	250.000	250.0
\$ 43 1,2-Dichloroethane-d4		65	6.359	6.359	(0.942)	155195	250.000	250.0
\$ 59 Toluene-d8		98	8.432	8.432	(0.854)	545657	250.000	250.0
\$ 80 Bromofluorobenzene		95	11.041	11.041	(1.118)	235333	250.000	250.0
1 Dichlorodifluoromethane		85	1.336	1.336	(0.198)	36975	250.000	250.0
2 Chloromethane		50	1.488	1.488	(0.221)	82420	250.000	250.0
3 Vinyl Chloride		62	1.603	1.603	(0.238)	102461	250.000	250.0
4 Bromomethane		94	1.895	1.895	(0.281)	46031	250.000	250.0
5 Chloroethane		64	1.998	1.998	(0.296)	38270	250.000	250.0
6 Trichlorofluoromethane		101	2.236	2.236	(0.331)	71020	250.000	250.0
12 1,1-Dichloroethene		96	2.819	2.819	(0.418)	112993	250.000	250.0
15 Carbon Disulfide		76	3.050	3.050	(0.452)	310905	250.000	250.0
13 Acetone		43	3.026	3.026	(0.448)	91756	250.000	250.0

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	==	-----	-----	-----	-----	-----
18 Methylene Chloride	84	3.494	3.494	(0.518)	150472	250.000	250.0
19 trans-1,2-Dichloroethene	96	3.902	3.902	(0.578)	96343	250.000	250.0
20 Methyl tert-butyl ether	73	4.030	4.030	(0.597)	168086	250.000	250.0
24 1,1-Dichloroethane	63	4.559	4.559	(0.676)	188434	250.000	250.0
27 2,2-Dichloropropane	77	5.349	5.349	(0.793)	95148	250.000	250.0
28 cis-1,2-dichloroethene	96	5.374	5.374	(0.796)	117904	250.000	250.0
M 29 1,2-Dichloroethene (total)	96				214247	500.000	500.0
30 Bromochloromethane	128	5.665	5.665	(0.840)	61931	250.000	250.0
31 2-Butanone	43	5.477	5.477	(0.812)	79444	250.000	250.0
37 Chloroform	83	5.805	5.805	(0.860)	211322	250.000	250.0
38 1,1,1-Trichloroethane	97	5.982	5.982	(0.886)	129411	250.000	250.0
40 1,1-Dichloropropene	75	6.188	6.188	(0.917)	108554	250.000	250.0
41 Carbon Tetrachloride	117	6.182	6.182	(0.916)	105045	250.000	250.0
42 Benzene	78	6.413	6.413	(0.950)	460434	250.000	250.0
45 1,2-Dichloroethane	62	6.444	6.444	(0.955)	167751	250.000	250.0
47 Trichloroethene	130	7.161	7.161	(1.061)	118830	250.000	250.0
49 1,2-Dichloropropane	63	7.386	7.386	(1.095)	117565	250.000	250.0
50 Dibromomethane	93	7.508	7.508	(1.113)	78013	250.000	250.0
53 Bromodichloromethane	83	7.697	7.697	(1.141)	158996	250.000	250.0
57 cis-1,3-Dichloropropene	75	8.159	8.159	(1.209)	174331	250.000	250.0
58 4-Methyl-2-Pentanone	43	8.347	8.347	(0.845)	136356	250.000	250.0
60 Toluene	91	8.499	8.499	(0.861)	602711	250.000	250.0
61 trans-1,3-Dichloropropene	75	8.730	8.730	(0.884)	184503	250.000	250.0
63 1,3-Dichloropropane	76	9.065	9.065	(0.918)	223144	250.000	250.0
64 1,1,2-Trichloroethane	97	8.907	8.907	(0.902)	133442	250.000	250.0
65 Tetrachloroethene	164	9.053	9.053	(0.917)	101543	250.000	250.0
66 2-Hexanone	43	9.180	9.180	(0.930)	90503	250.000	250.0
67 Dibromochloromethane	129	9.302	9.302	(0.942)	135778	250.000	250.0
68 1,2-Dibromoethane	107	9.399	9.399	(0.952)	131900	250.000	250.0
70 Chlorobenzene	112	9.898	9.898	(1.002)	451580	250.000	250.0
71 1,1,1,2-Tetrachloroethane	131	9.983	9.983	(1.011)	154612	250.000	250.0
72 Ethylbenzene	106	10.020	10.020	(1.015)	241816	250.000	250.0
73 m + p-Xylene	106	10.135	10.135	(1.026)	629101	500.000	500.0
74 Xylene-o	106	10.530	10.530	(1.067)	304746	250.000	250.0
M 75 Xylenes (total)	106				933847	250.000	766.1
76 Styrene	104	10.543	10.543	(1.068)	519583	250.000	250.0
77 Bromoform	173	10.713	10.713	(1.085)	71833	250.000	250.0
78 Isopropylbenzene	105	10.895	10.895	(1.103)	770009	250.000	250.0
79 Bromobenzene	156	11.187	11.187	(0.918)	186393	250.000	250.0
81 n-Propylbenzene	120	11.309	11.309	(0.928)	231830	250.000	250.0
82 2-Chlorotoluene	126	11.491	11.491	(0.943)	222069	250.000	250.0
83 1,1,1,2-Tetrachloroethane	83	11.187	11.187	(0.918)	193934	250.000	250.0
84 1,2,3-Trichloropropane	110	11.218	11.218	(0.920)	62375	250.000	250.0
85 4-Chlorotoluene	126	11.491	11.491	(0.943)	222069	250.000	250.0
86 1,3,5-Trimethylbenzene	105	11.485	11.485	(0.942)	721437	250.000	250.0
87 tert-Butylbenzene	119	11.808	11.808	(0.969)	594962	250.000	250.0
88 1,2,4-Trimethylbenzene	105	11.850	11.850	(0.972)	718834	250.000	250.0

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
=====	----	==	-----	-----	-----	-----	-----
89 sec-Butylbenzene	105	12.026	12.026	(0.987)	893385	250.000	250.0
90 4-Isopropyltoluene	119	12.172	12.172	(0.999)	760030	250.000	250.0
91 1,3-Dichlorobenzene	146	12.124	12.124	(0.995)	382812	250.000	250.0
93 1,4-Dichlorobenzene	146	12.215	12.215	(1.002)	391889	250.000	250.0
94 n-Butylbenzene	91	12.580	12.580	(1.032)	683791	250.000	250.0
95 1,2-Dichlorobenzene	146	12.580	12.580	(1.032)	380976	250.000	250.0
96 1,2-Dibromo-3-chloropropane	157	13.346	13.346	(1.095)	25462	250.000	250.0
97 1,2,4-Trichlorobenzene	180	14.185	14.185	(1.164)	183903	250.000	250.0
98 Hexachlorobutadiene	225	14.374	14.374	(1.179)	81009	250.000	250.0
99 Naphthalene	128	14.423	14.423	(1.183)	493740	250.000	250.0
100 1,2,3-Trichlorobenzene	180	14.672	14.672	(1.204)	167685	250.000	250.0



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VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30718d.b\1D30718.D
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 18-JUL-2000 09:55 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD100 5ML
Misc Info : ,30718d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30718d.b\8260bh2o.m
Meth Date : 18-Jul-2000 10:25 gordonk Quant Type: ISTD
Cal Date : 18-JUL-2000 09:55 Cal File: 1D30718.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC073

KEG
7/18/00

Compound Sublist: 4-dwh20.sub

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6.751	6.751	(1.000)	563567	250.000	
* 69 Chlorobenzene-d5	119	9.877	9.877	(1.000)	149698	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.194	12.194	(1.000)	278213	250.000	
\$ 39 Dibromofluoromethane	113	5.997	5.997	(0.888)	281850	500.000	499.2
\$ 43 1,2-Dichloroethane-d4	65	6.362	6.362	(0.942)	349562	500.000	496.4
\$ 59 Toluene-d8	98	8.436	8.436	(0.854)	1205178	500.000	560.8
\$ 80 Bromofluorobenzene	95	11.038	11.038	(1.118)	504632	500.000	541.4
1 Dichlorodifluoromethane	85	1.333	1.333	(0.197)	142500	500.000	530.8
2 Chloromethane	50	1.491	1.491	(0.221)	225559	500.000	502.6
3 Vinyl Chloride	62	1.600	1.600	(0.237)	263198	500.000	520.6
4 Bromomethane	94	1.898	1.898	(0.281)	100891	500.000	444.2
5 Chloroethane	64	2.001	2.001	(0.297)	80315	500.000	457.8
6 Trichlorofluoromethane	101	2.245	2.245	(0.333)	157393	500.000	501.2
12 1,1-Dichloroethene	96	2.835	2.835	(0.420)	308115	500.000	520.5
15 Carbon Disulfide	76	3.066	3.066	(0.454)	837622	500.000	600.6
13 Acetone	43	3.011	3.011	(0.446)	162705	500.000	224.4

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	--	-----	-----	-----	-----	-----
18 Methylene Chloride	84	3.497	3.497	(0.518)	347153	500.000	472.5
19 trans-1,2-Dichloroethene	96	3.911	3.911	(0.579)	257991	500.000	560.2
20 Methyl tert-butyl ether	73	4.014	4.014	(0.595)	578429	500.000	750.8
24 1,1-Dichloroethane	63	4.562	4.562	(0.676)	489902	500.000	526.6
27 2,2-Dichloropropane	77	5.358	5.358	(0.794)	304759	500.000	639.0
28 cis-1,2-dichloroethene	96	5.377	5.377	(0.796)	310029	500.000	563.1
M 29 1,2-Dichloroethene (total)	96				568021	1000.00	1123
30 Bromochloromethane	128	5.669	5.669	(0.840)	146661	500.000	524.0
31 2-Butanone	43	5.462	5.462	(0.809)	183420	500.000	527.6
37 Chloroform	83	5.808	5.808	(0.860)	485059	500.000	507.9
38 1,1,1-Trichloroethane	97	5.991	5.991	(0.887)	415341	500.000	651.4
40 1,1-Dichloropropene	75	6.191	6.191	(0.917)	283295	500.000	656.8
41 Carbon Tetrachloride	117	6.191	6.191	(0.917)	335979	500.000	667.3
42 Benzene	78	6.423	6.423	(0.951)	1165709	500.000	564.3
45 1,2-Dichloroethane	62	6.453	6.453	(0.956)	400992	500.000	527.5
47 Trichloroethene	130	7.165	7.165	(1.061)	297668	500.000	569.3
49 1,2-Dichloropropane	63	7.383	7.383	(1.094)	281561	500.000	548.1
50 Dibromomethane	93	7.511	7.511	(1.113)	179074	500.000	512.9
53 Bromodichloromethane	83	7.700	7.700	(1.141)	342732	500.000	540.4
57 cis-1,3-Dichloropropene	75	8.162	8.162	(1.209)	378033	500.000	595.2
58 4-Methyl-2-Pentanone	43	8.338	8.338	(0.844)	328106	500.000	669.0
60 Toluene	91	8.502	8.502	(0.861)	1390620	500.000	577.8
61 trans-1,3-Dichloropropene	75	8.727	8.727	(0.884)	418645	500.000	630.5
63 1,3-Dichloropropene	76	9.068	9.068	(0.918)	489267	500.000	562.1
64 1,1,2-Trichloroethane	97	8.910	8.910	(0.902)	284384	500.000	528.5
65 Tetrachloroethene	164	9.056	9.056	(0.917)	233720	500.000	570.0
66 2-Hexanone	43	9.177	9.177	(0.929)	242198	500.000	735.3
67 Dibromochloromethane	129	9.299	9.299	(0.942)	291243	500.000	593.5
68 1,2-Dibromoethane	107	9.396	9.396	(0.951)	292666	500.000	571.6
70 Chlorobenzene	112	9.901	9.901	(1.002)	963584	500.000	514.1
71 1,1,1,2-Tetrachloroethane	131	9.986	9.986	(1.011)	329811	500.000	564.5
72 Ethylbenzene	106	10.017	10.017	(1.014)	533369	500.000	570.0
73 m + p-Xylene	106	10.138	10.138	(1.026)	1396476	1000.00	1145
74 Xylene-o	106	10.527	10.527	(1.066)	676621	500.000	601.2
M 75 Xylenes (total)	106				2073098	500.000	1842
76 Styrene	104	10.540	10.540	(1.067)	1141562	500.000	604.5
77 Bromoform	173	10.716	10.716	(1.085)	161155	500.000	623.9
78 Isopropylbenzene	105	10.898	10.898	(1.103)	1783965	500.000	623.8
79 Bromobenzene	156	11.184	11.184	(0.917)	405016	500.000	538.0
81 n-Propylbenzene	120	11.306	11.306	(0.927)	498877	500.000	580.0
82 2-Chlorotoluene	126	11.494	11.494	(0.943)	482620	500.000	543.4
83 1,1,2,2-Tetrachloroethane	83	11.184	11.184	(0.917)	400660	500.000	512.6
84 1,2,3-Trichloropropane	110	11.221	11.221	(0.920)	132559	500.000	512.9
85 4-Chlorotoluene	126	11.494	11.494	(0.943)	482620	500.000	543.4
86 1,3,5-Trimethylbenzene	105	11.482	11.482	(0.942)	1593435	500.000	576.4
87 tert-Butylbenzene	119	11.805	11.805	(0.968)	1279529	500.000	589.8
88 1,2,4-Trimethylbenzene	105	11.853	11.853	(0.972)	1533024	500.000	565.2

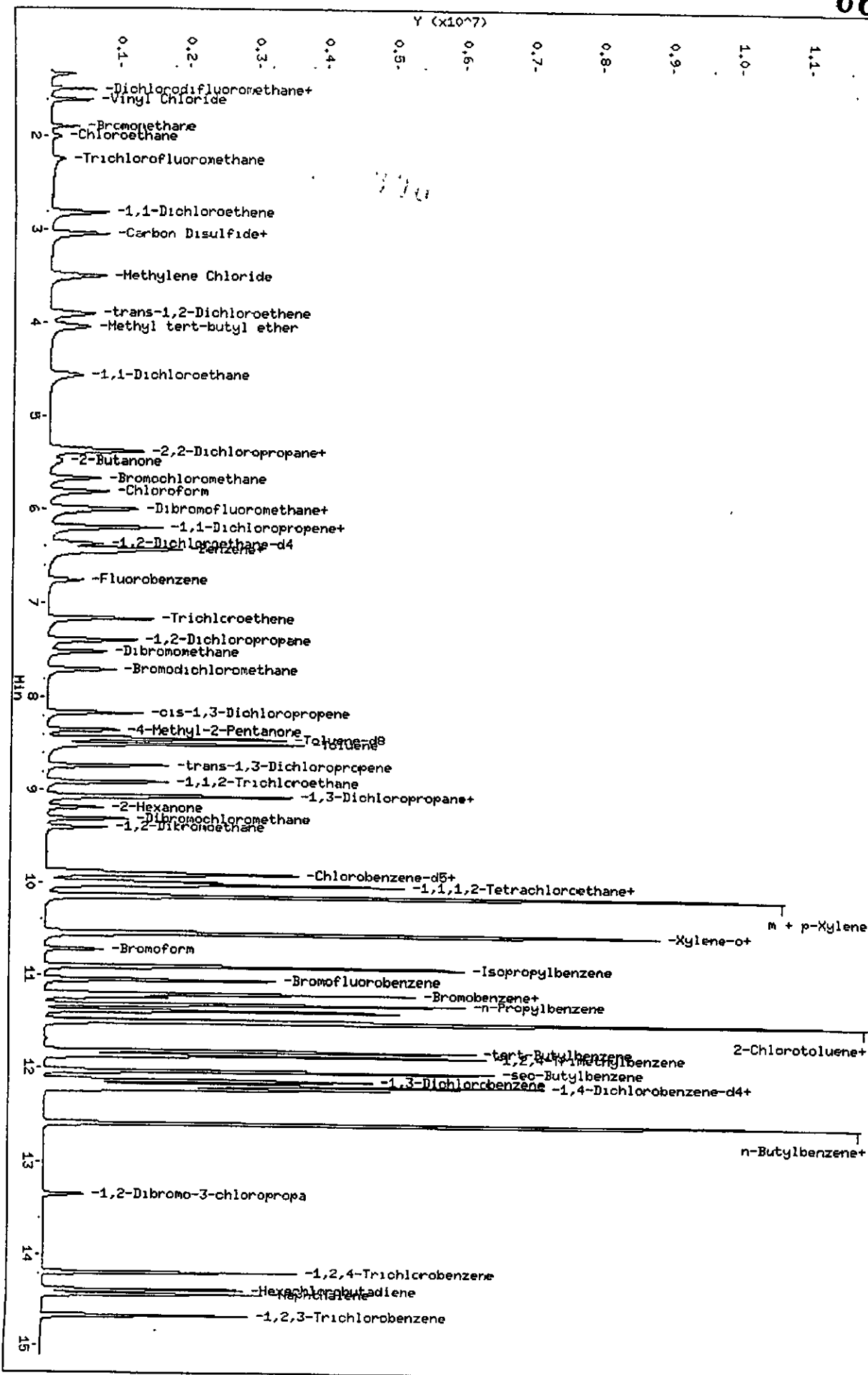
666 150

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ng)	(ng)
=====	----	--	-----	-----	-----	-----	-----
89 sec-Butylbenzene	105	12.023	12.023	{0.986}	2000194	500.000	584.8
90 4-Isopropyltoluene	119	12.176	12.176	{0.999}	1699937	500.000	580.4
91 1,3-Dichlorobenzene	146	12.127	12.127	{0.995}	801521	500.000	522.4
93 1,4-Dichlorobenzene	146	12.212	12.212	{1.001}	822260	500.000	504.7
94 n-Butylbenzene	91	12.577	12.577	{1.031}	1513047	500.000	615.2
95 1,2-Dichlorobenzene	146	12.583	12.583	{1.032}	792358	500.000	530.5
96 1,2-Dibromo-3-chloropropane	157	13.349	13.349	{1.095}	58013	500.000	608.1
97 1,2,4-Trichlorobenzene	180	14.188	14.188	{1.164}	402155	500.000	604.8
98 Hexachlorobutadiene	225	14.371	14.371	{1.179}	172670	500.000	545.1
99 Naphthalene	128	14.420	14.420	{1.183}	977048	500.000	602.7
100 1,2,3-Trichlorobenzene	180	14.669	14.669	{1.203}	347336	500.000	566.8

Data File: \\ap1tpa02\chem\hp3.1\30718d.b\1E30718.D
 Date: 18-JUL-2000 10:17
 Client ID: VSTD200
 Sample Info: VSTD200 SHL
 Purge Volume: 5.0
 Column phase: DB 624

Instrument: hp3.1
 Operator: 10099
 Column diameter: 0.18

\\ap1tpa02\chem\hp3.1\30718d.b\1E30718.D



666 152

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30718d.b\1E30718.D
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 18-JUL-2000 10:17 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD200 5ML
Misc Info : ,30718d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30718d.b\8260bh2o.m
Meth Date : 18-Jul-2000 10:48 gordonk Quant Type: ISTD
Cal Date : 18-JUL-2000 10:17 Cal File: 1E30718.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwh20.sub
Target Version: 4.04
Processing Host: PITPC073

KLG
7/18/00

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6 754	6 754	(1.000)	552460	250.000	
* 69 Chlorobenzene-d5	119	9 873	9 873	(1.000)	165000	250 000	
* 92 1,4-Dichlorobenzene-d4	152	12 190	12.190	(1.000)	306229	250 000	
\$ 39 Dibromofluoromethane	113	6.000	6.000	(0 888)	599005	1000.00	1065
\$ 43 1,2-Dichloroethane-d4	65	6.364	6.364	(0.942)	734193	1000.00	1050
\$ 59 Toluene-d8	98	8 432	8 432	(0 854)	2632294	1000.00	1087
\$ 80 Bromofluorobenzene	95	11.041	11 041	(1.118)	1154935	1000.00	1097
1 Dichlorodifluoromethane	85	1.335	1 335	(0.198)	282910	1000.00	1059
2 Chloromethane	50	1 493	1 493	(0 221)	478583	1000 00	1069
3 Vinyl Chloride	62	1 603	1.603	(0.237)	563658	1000.00	1107
4 Bromomethane	94	1.901	1.901	(0 281)	200207	1000.00	917.6
5 Chloroethane	64	2 004	2.004	(0 297)	161516	1000.00	950 7
6 Trichlorofluoromethane	101	2 241	2 241	(0 332)	299885	1000 00	979 3
12 1,1-Dichloroethene	96	2 813	2.813	(0.417)	538067	1000 00	941 0
15 Carbon Disulfide	76	3 044	3.044	(0.451)	1498768	1000 00	1076
13 Acetone	43	3 038	3.038	(0 450)	288661	1000.00	460.8

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Compounds	QUANT SIG			AMOUNTS		
	MASS	RT	EXP RT	REL RT	CAL-AMT (ng)	ON-COL (ng)
18 Methylene Chloride	84	3.494	3.494 (0.517)		662971	935.4
19 trans-1,2-Dichloroethene	96	3.901	3.901 (0.578)		472150	1036
20 Methyl tert-butyl ether	73	4.041	4.041 (0.598)		1021031	1263
24 1,1-Dichloroethane	63	4.558	4.558 (0.675)		966979	1048
27 2,2-Dichloropropane	77	5.361	5.361 (0.794)		582485	1187
28 cis-1,2-dichloroethene	96	5.373	5.373 (0.796)		616456	1110
M 29 1,2-Dichloroethene (total)	96				1088606	2154
30 Bromochloromethane	128	5.671	5.671 (0.840)		297733	1067
31 2-Butanone	43	5.483	5.483 (0.812)		414517	1166
37 Chloroform	83	5.811	5.811 (0.860)		998463	1052
38 1,1,1-Trichloroethane	97	5.987	5.987 (0.887)		840980	1258
40 1,1-Dichloropropene	75	6.188	6.188 (0.916)		555244	1236
41 Carbon Tetrachloride	117	6.188	6.188 (0.916)		659544	1252
42 Benzene	78	6.419	6.419 (0.950)		2194178	1066
45 1,2-Dichloroethane	62	6.450	6.450 (0.955)		817111	1076
47 Trichloroethene	130	7.161	7.161 (1.060)		617915	1158
49 1,2-Dichloropropane	63	7.386	7.386 (1.094)		590284	1133
50 Dibromomethane	93	7.514	7.514 (1.113)		380556	1088
53 Bromodichloromethane	83	7.702	7.702 (1.140)		762952	1174
57 cis-1,3-Dichloropropene	75	8.164	8.164 (1.209)		851359	1274
58 4-Methyl-2-Pentanone	43	8.347	8.347 (0.845)		766045	1308
60 Toluene	91	8.499	8.499 (0.861)		2949709	1088
61 trans-1,3-Dichloropropene	75	8.730	8.730 (0.884)		960836	1236
63 1,3-Dichloropropane	76	9.071	9.071 (0.919)		1078916	1097
64 1,1,2-Trichloroethane	97	8.906	8.906 (0.902)		609460	1022
65 Tetrachloroethene	164	9.058	9.058 (0.917)		517367	1112
66 2-Hexanone	43	9.180	9.180 (0.930)		551972	1377
67 Dibromochloromethane	129	9.302	9.302 (0.942)		673982	1188
68 1,2-Dibromoethane	107	9.399	9.399 (0.952)		628981	1089
70 Chlorobenzene	112	9.904	9.904 (1.003)		2097586	1012
71 1,1,1,2-Tetrachloroethane	131	9.989	9.989 (1.012)		746023	1123
72 Ethylbenzene	106	10.019	10.019 (1.015)		1175675	1109
73 m + p-Xylene	106	10.141	10.141 (1.027)		3213176	2300
74 Xylene-o	106	10.530	10.530 (1.067)		1542066	1186
M 75 Xylenes (total)	106				4755242	3656
76 Styrene	104	10.542	10.542 (1.068)		2632021	1201
77 Bromoform	173	10.719	10.719 (1.086)		382742	1258
78 Isopropylbenzene	105	10.901	10.901 (1.104)		3922809	1186
79 Bromobenzene	156	11.187	11.187 (0.918)		914391	1081
81 n-Propylbenzene	120	11.309	11.309 (0.928)		1105709	1130
82 2-Chlorotoluene	126	11.497	11.497 (0.943)		1122607	1115
83 1,1,1,2-Tetrachloroethane	83	11.187	11.187 (0.918)		877268	1016
84 1,2,3-Trichloropropane	110	11.223	11.223 (0.921)		281212	990.8
85 4-Chlorotoluene	126	11.497	11.497 (0.943)		1122607	1115
86 1,3,5-Trimethylbenzene	105	11.485	11.485 (0.942)		3664745	1157
87 tert-Butylbenzene	119	11.807	11.807 (0.969)		2894139	1163
88 1,2,4-Trimethylbenzene	105	11.856	11.856 (0.973)		3439193	1118

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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)
89 sec-Butylbenzene	105	12.026	12 026	(0 987)	4432714	1000.00	1137
90 4-Isopropyltoluene	119	12.172	12.172	(0 999)	3872965	1000.00	1155
91 1,3-Dichlorobenzene	146	12.130	12 130	(0 995)	1824477	1000 00	1063
93 1,4-Dichlorobenzene	146	12.215	12 215	(1 002)	1879646	1000 00	1038
94 n-Butylbenzene	91	12 580	12 580	(1 032)	3578097	1000 00	1242
95 1,2-Dichlorobenzene	146	12 586	12 586	(1 032)	1864528	1000.00	1104
96 1,2-Dibromo-3-chloropropane	157	13 346	13.346	(1 095)	145809	1000 00	1288
97 1,2,4-Trichlorobenzene	180	14.185	14 185	(1 164)	956642	1000 00	1231
98 Hexachlorobutadiene	225	14.374	14 374	(1 179)	401501	1000 00	1118
99 Naphthalene	128	14.422	14 422	(1.183)	2314780	1000 00	1224
100 1,2,3-Trichlorobenzene	180	14.672	14 672	(1 204)	810117	1000 00	1155

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

666 155

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30731D

Instrument ID: HP3

Calibration Date: 07/31/00

Time: 0630

Lab File ID: 1C30731

Init. Calib. Date(s): 07/18/00

07/18/00

Heated Purge: (Y/N) N

Init. Calib. Times: 0614

1316

GC Column: DB 624

ID: 0.18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.126	0.107	0.01	15.1	50.0
Chloromethane	0.221	0.240	0.1	8.6	50.0
Vinyl Chloride	0.250	0.275	0.01	10.0	20.0
Bromomethane	0.103	0.119	0.01	15.5	50.0
Chloroethane	0.079	0.119	0.01	50.6	50.0
Trichlorofluoromethane	0.137	0.111	0.01	19.0	50.0
1,1-Dichloroethene	0.273	0.324	0.01	18.7	20.0
Methylene Chloride	0.326	0.361	0.01	10.7	50.0
trans-1,2-Dichloroethene	0.223	0.247	0.01	10.8	50.0
1,1-Dichloroethane	0.449	0.532	0.1	18.5	50.0
cis-1,2-dichloroethene	0.276	0.283	0.01	2.5	50.0
Chloroform	0.464	0.502	0.01	8.2	20.0
Bromochloromethane	0.135	0.144	0.01	6.7	50.0
1,1,1-Trichloroethane	0.331	0.401	0.01	21.1	50.0
Carbon Tetrachloride	0.266	0.316	0.01	18.8	50.0
1,2-Dichloroethane	0.374	0.415	0.01	11.0	50.0
Benzene	1.022	1.163	0.01	13.8	50.0
Trichloroethene	0.269	0.277	0.01	3.0	50.0
1,2-Dichloropropane	0.257	0.292	0.01	13.6	20.0
Bromodichloromethane	0.317	0.344	0.01	8.5	50.0
cis-1,3-Dichloropropene	0.336	0.343	0.01	2.1	50.0
Toluene	4.496	5.178	0.01	15.2	20.0
trans-1,3-Dichloropropene	1.334	1.600	0.01	19.9	50.0
1,1,2-Trichloroethane	0.987	1.080	0.01	9.4	50.0
Tetrachloroethene	0.782	0.953	0.01	21.9	50.0
Dibromochloromethane	0.946	1.099	0.01	16.2	50.0
Chlorobenzene	3.349	3.605	0.3	7.6	50.0
Ethylbenzene	1.766	1.812	0.01	2.6	20.0
Styrene	3.714	3.886	0.01	4.6	50.0
Bromoform	0.513	0.698	0.1	36.1	50.0
1,1,2,2-Tetrachloroethane	0.797	0.824	0.3	3.4	50.0
1,3-Dichlorobenzene	1.573	1.511	0.01	3.9	50.0
1,4-Dichlorobenzene	1.646	1.591	0.01	3.3	50.0
1,2-Dichlorobenzene	1.554	1.502	0.01	3.3	50.0
Dibromomethane	0.169	0.179	0.01	5.9	50.0
1,2-Dibromoethane	0.971	1.042	0.01	7.3	50.0
1,1,1,2-Tetrachloroethane	1.116	1.203	0.01	7.8	50.0

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FORM 7

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30731D

Instrument ID: HP3

Calibration Date: 07/31/00 Time: 0630

Lab File ID: 1C30731

Init. Calib. Date(s): 07/18/00 07/18/00

Heated Purge: (Y/N) N

Init. Calib. Times: 0614 1316

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2,3-Trichloropropane	0.264	0.262	0.01	0.8	50.0
1,2-Dibromo-3-chloropropane	0.109	0.113	0.01	3.7	50.0
2,2-Dichloropropane	0.248	0.316	0.01	27.4	50.0
1,1-Dichloropropene	0.232	0.252	0.01	8.6	50.0
1,3-Dichloropropane	1.622	1.928	0.01	18.9	50.0
n-Propylbenzene	0.914	0.852	0.01	6.8	50.0
Bromobenzene	0.771	0.772	0.01	0.1	50.0
1,3,5-Trimethylbenzene	2.918	2.716	0.01	6.9	50.0
2-Chlorotoluene	0.915	0.822	0.01	10.2	50.0
4-Chlorotoluene	0.915	0.822	0.01	10.2	50.0
tert-Butylbenzene	2.323	2.154	0.01	7.3	50.0
1,2,4-Trimethylbenzene	2.848	2.723	0.01	4.4	50.0
sec-Butylbenzene	3.659	3.409	0.01	6.8	50.0
4-Isopropyltoluene	3.109	3.029	0.01	2.6	50.0
n-Butylbenzene	2.722	2.798	0.01	2.8	50.0
1,2,4-Trichlorobenzene	0.757	0.848	0.01	12.0	50.0
Hexachlorobutadiene	0.352	0.488	0.01	38.6	50.0
Naphthalene	1.966	1.873	0.01	4.7	50.0
1,2,3-Trichlorobenzene	0.693	0.749	0.01	8.1	50.0
Acetone	0.257	0.160	0.01	37.7	50.0
Carbon Disulfide	0.710	0.502	0.01	29.3	50.0
2-Butanone	0.164	0.194	0.01	18.3	50.0
4-Methyl-2-Pentanone	0.923	1.104	0.01	19.6	50.0
2-Hexanone	0.637	0.808	0.01	26.8	50.0
Methyl tert-butyl ether	0.450	0.409	0.01	9.1	50.0
Isopropylbenzene	5.666	5.528	0.01	2.4	50.0
1,2-Dichloroethene (total)	0.249	0.265	0.01	6.4	50.0
Xylenes (total)	2.211	2.254	0.01	1.9	50.0
Dibromofluoromethane	0.243	0.265	0.01	9.0	50.0
1,2-Dichloroethane-d4	0.300	0.334	0.01	11.3	50.0
Toluene-d8	3.619	4.169	0.01	15.2	50.0
Bromofluorobenzene	1.611	1.644	0.01	2.0	50.0

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CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

Instrument ID: hp3.i
 Lab File ID: 1C30731.D
 Analysis Type: SOIL

Injection Date: 31-JUL-2000 06:30
 Lab Sample ID: VSTD50
 Method File: \\QPITPA02\D\chem\hp3.i\30731d.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
-----	-----	-----	-----	-----
154 Xylenes (total)	750.0000	797.1334	6.3	50.0
153 1,2-Dichloroethene (total)	500.0000	531.9460	6.4	50.0
1 Dichlorodifluoromethane	250.0000	212.2313	15.1	50.0
2 Chloromethane	250.0000	270.7898	8.3	50.0
3 Vinyl Chloride	250.0000	274.8910	10.0	20.0
4 Bromomethane	250.0000	289.1907	15.7	50.0
5 Chloroethane	250.0000	373.2800	49.3	50.0
6 Trichlorofluoromethane	250.0000	203.1501	18.7	50.0
9 1,1-Dichloroethene	250.0000	296.8925	18.8	20.0
106 Acetone	250.0000	156.2428	37.5	50.0
107 Carbon Disulfide	250.0000	176.8370	29.3	50.0
10 Methylene Chloride	250.0000	276.6610	10.7	50.0
13 trans-1,2-Dichloroethene	250.0000	277.1670	10.9	50.0
134 Methyl tert-butyl ether	250.0000	227.5644	9.0	50.0
15 1,1-Dichloroethane	250.0000	296.2766	18.5	50.0
74 2,2-Dichloropropane	250.0000	318.6626	27.5	50.0
17 cis-1,2-dichloroethene	250.0000	256.9217	2.8	50.0
108 2-Butanone	250.0000	295.8592	18.3	50.0
19 Bromochloromethane	250.0000	267.3741	6.9	50.0
18 Chloroform	250.0000	270.8476	8.3	20.0
20 1,1,1-Trichloroethane	250.0000	302.4804	21.0	50.0
149 Dibromofluoromethane	250.0000	273.1491	9.3	50.0
21 Carbon Tetrachloride	250.0000	296.7782	18.7	50.0
75 1,1-Dichloropropene	250.0000	271.5022	8.6	50.0
150 1,2-Dichloroethane-d4	250.0000	277.9304	11.2	50.0
24 Benzene	250.0000	284.3830	13.8	50.0
23 1,2-Dichloroethane	250.0000	276.9768	10.8	50.0
137 Fluorobenzene	250.0000	250.0000	0.0	50.0
26 Trichloroethene	250.0000	257.6871	3.1	50.0
27 1,2-Dichloropropane	250.0000	283.4107	13.4	20.0
60 Dibromomethane	250.0000	264.4594	5.8	50.0
28 Bromodichloromethane	250.0000	271.4749	8.6	50.0
31 cis-1,3-Dichloropropene	250.0000	255.1847	2.1	50.0
110 4-Methyl-2-Pentanone	250.0000	299.0702	19.6	50.0
151 Toluene-d8	250.0000	288.0051	15.2	50.0
33 Toluene	250.0000	287.8940	15.2	20.0
34 trans-1,3-Dichloropropene	250.0000	299.9031	20.0	50.0
36 1,1,2-Trichloroethane	250.0000	273.5669	9.4	50.0
37 Tetrachloroethene	250.0000	304.7164	21.9	50.0

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CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

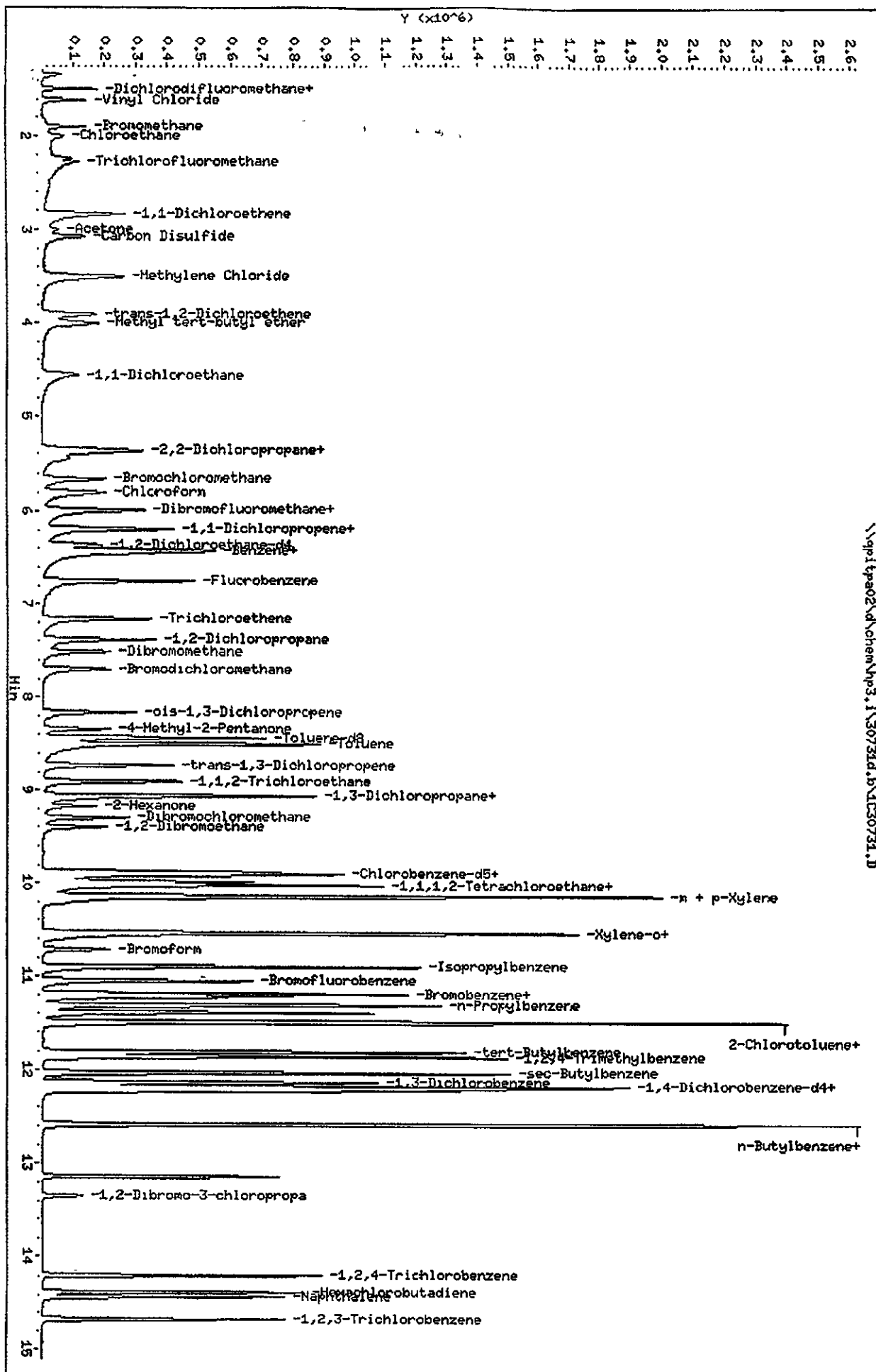
Instrument ID: hp3.i
Lab File ID: 1C30731.D
Analysis Type: SOIL

Injection Date: 31-JUL-2000 06:30
Lab Sample ID: VSTD50
Method File: \\QPITPA02\D\chem\hp3.i\30731d.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
77 1,3-Dichloropropane	250.0000	297.1460	18.9	50.0
111 2-Hexanone	250.0000	317.0458	26.8	50.0
38 Dibromochloromethane	250.0000	290.4163	16.2	50.0
63 1,2-Dibromoethane	250.0000	268.3866	7.4	50.0
101 Chlorobenzene-d5	250.0000	250.0000	0.0	50.0
40 Chlorobenzene	250.0000	269.0286	7.6	50.0
64 1,1,1,2-Tetrachloroethane	250.0000	269.5718	7.8	50.0
41 Ethylbenzene	250.0000	256.5886	2.6	20.0
0 m + p-Xylene	500.0000	512.4465	2.5	50.0
0 Xylene-o	250.0000	254.8656	1.9	50.0
44 Styrene	250.0000	261.6094	4.6	50.0
45 Bromoform	250.0000	339.8127	35.9	50.0
144 Isopropylbenzene	250.0000	243.9024	2.4	50.0
152 Bromofluorobenzene	250.0000	255.1526	2.1	50.0
46 1,1,1,2-Tetrachloroethane	250.0000	258.8470	3.5	50.0
84 Bromobenzene	250.0000	250.2658	0.1	50.0
65 1,2,3-Trichloropropane	250.0000	248.0016	0.8	50.0
83 n-Propylbenzene	250.0000	232.9478	6.8	50.0
85 1,3,5-Trimethylbenzene	250.0000	232.7644	6.9	50.0
86 2-Chlorotoluene	250.0000	224.4866	10.2	50.0
87 4-Chlorotoluene	250.0000	224.4866	10.2	50.0
88 tert-Butylbenzene	250.0000	231.8752	7.2	50.0
89 1,2,4-Trimethylbenzene	250.0000	239.0567	4.4	50.0
90 sec-Butylbenzene	250.0000	232.9133	6.8	50.0
48 1,3-Dichlorobenzene	250.0000	240.0743	4.0	50.0
91 4-Isopropyltoluene	250.0000	243.5838	2.6	50.0
102 1,4-Dichlorobenzene-d4	250.0000	250.0000	0.0	50.0
49 1,4-Dichlorobenzene	250.0000	241.5608	3.4	50.0
94 n-Butylbenzene	250.0000	256.9999	2.8	50.0
50 1,2-Dichlorobenzene	250.0000	241.6514	3.3	50.0
69 1,2-Dibromo-3-chloropropane	250.0000	260.1717	4.1	50.0
95 1,2,4-Trichlorobenzene	250.0000	280.0801	12.0	50.0
96 Hexachlorobutadiene	250.0000	347.0411	38.8	50.0
97 Naphthalene	250.0000	238.1702	4.7	50.0
98 1,2,3-Trichlorobenzene	250.0000	270.1048	8.0	50.0

Data File: \\qpltpa02\chem\hp3.1\30731d.b\1030731.D
 Date: 31-Jul-2000 06:30
 Client ID: VSTISO
 Sample Info: VSTISO 5HL
 Volume Injected (uL): 5.0
 Column phase: DB 624

Instrument: hp3.1
 Operator: 10099
 Column diameter: 0.18



666 160

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30731d.b\1C30731.D
Lab Smp Id: VSTD50 Client Smp ID: VSTD50
Inj Date : 31-JUL-2000 06:30 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD50 5ML
Misc Info : vstd50,30731d.b,med500.m,4-dwhmed.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30731d.b\med500.m
Meth Date : 31-Jul-2000 07:00 gordonk Quant Type: ISTD
Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwhmed.sub
Target Version: 4.04
Processing Host: PITPC073

KLG
7/31/00

Concentration Formula: Amt * DF * /Vi*Vo/Ws*Vt/Va

Name	Value	Description
DF	1.000	Dilution Factor
Vi	5.000	Injection Volume
Vo	5.000	Extraction Solvent Volume
Ws	5.000	Sample Weight
Vt	5.000	Final Volume
Va	0.100	Aliquot Volume

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
* 46 Fluorobenzene		96	6.754	6.754	(1.000)	576775	250.000	
* 69 Chlorobenzene-d5		119	9.874	9.874	(1.000)	151575	250.000	
* 92 1,4-Dichlorobenzene-d4		152	12.197	12.197	(1.000)	295499	250.000	
\$ 39 Dibromofluoromethane		113	5.994	5.994	(0.887)	152935	250.000	273.1
\$ 43 1,2-Dichloroethane-d4		65	6.359	6.359	(0.941)	192613	250.000	277.9
\$ 59 Toluene-d8		98	8.432	8.432	(0.854)	631939	250.000	288.0
\$ 80 Bromofluorobenzene		95	11.041	11.041	(1.118)	249240	250.000	255.2
1 Dichlorodifluoromethane		85	1.335	1.335	(0.198)	61759	250.000	212.2
2 Chloromethane		50	1.493	1.493	(0.221)	138428	250.000	270.8
3 Vinyl Chloride		62	1.609	1.609	(0.238)	158751	250.000	274.9
4 Bromomethane		94	1.901	1.901	(0.282)	68658	250.000	289.2
5 Chloroethane		64	2.004	2.004	(0.297)	68511	250.000	373.3
6 Trichlorofluoromethane		101	2.241	2.241	(0.332)	64050	250.000	203.2

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Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
-----	----	--	-----	-----	-----	-----	-----
12 1,1-Dichloroethene	96	2.837	2.837	(0.420)	187000	250.000	296.9
15 Carbon Disulfide	76	3.069	3.069	(0.454)	289604	250.000	176.8
13 Acetone	43	3.002	3.002	(0.444)	92619	250.000	156.2
18 Methylene Chloride	84	3.500	3.500	(0.518)	207994	250.000	276.7
19 trans-1,2-Dichloroethene	96	3.908	3.908	(0.579)	142605	250.000	277.2
20 Methyl tert-butyl ether	73	4.011	4.011	(0.594)	236115	250.000	227.6
24 1,1-Dichloroethane	63	4.558	4.558	(0.675)	306866	250.000	296.3
27 2,2-Dichloropropane	77	5.355	5.355	(0.793)	182135	250.000	318.7
28 cis-1,2-dichloroethene	96	5.373	5.373	(0.796)	163455	250.000	256.9
M 29 1,2-Dichloroethene (total)	96				306061	500.000	531.9
30 Bromochloromethane	128	5.671	5.671	(0.840)	83346	250.000	267.4
31 2-Butanone	43	5.452	5.452	(0.807)	111891	250.000	295.8
37 Chloroform	83	5.805	5.805	(0.860)	289695	250.000	270.8
38 1,1,1-Trichloroethane	97	5.988	5.988	(0.887)	231234	250.000	302.5
40 1,1-Dichloropropene	75	6.194	6.194	(0.917)	145286	250.000	271.5
41 Carbon Tetrachloride	117	6.188	6.188	(0.916)	182433	250.000	296.8
42 Benzene	78	6.419	6.419	(0.950)	670788	250.000	284.4
45 1,2-Dichloroethane	62	6.450	6.450	(0.955)	239144	250.000	277.0
47 Trichloroethene	130	7.161	7.161	(1.060)	159845	250.000	257.7
49 1,2-Dichloropropane	63	7.386	7.386	(1.094)	168417	250.000	283.4
50 Dibromomethane	93	7.508	7.508	(1.112)	103340	250.000	264.4
53 Bromodichloromethane	83	7.696	7.696	(1.140)	198313	250.000	271.5
57 cis-1,3-Dichloropropene	75	8.165	8.165	(1.209)	197821	250.000	255.2
58 4-Methyl-2-Pentanone	43	8.335	8.335	(0.844)	167370	250.000	299.1
60 Toluene	91	8.499	8.499	(0.861)	784799	250.000	287.9
61 trans-1,3-Dichloropropene	75	8.730	8.730	(0.884)	242489	250.000	299.9
63 1,3-Dichloropropane	76	9.065	9.065	(0.918)	292318	250.000	297.1
64 1,1,2-Trichloroethane	97	8.907	8.907	(0.902)	163628	250.000	273.6
65 Tetrachloroethene	164	9.059	9.059	(0.917)	144472	250.000	304.7
66 2-Hexanone	43	9.174	9.174	(0.929)	122513	250.000	317.0
67 Dibromochloromethane	129	9.296	9.296	(0.941)	166528	250.000	290.4
68 1,2-Dibromoethane	107	9.399	9.399	(0.952)	158009	250.000	268.4
70 Chlorobenzene	112	9.904	9.904	(1.003)	546370	250.000	269.0
71 1,1,1,2-Tetrachloroethane	131	9.983	9.983	(1.011)	182346	250.000	269.6
72 Ethylbenzene	106	10.019	10.019	(1.015)	274728	250.000	256.6
73 m + p-Xylene	106	10.141	10.141	(1.027)	727090	500.000	512.4
74 Xylene-o	106	10.530	10.530	(1.067)	341732	250.000	254.9
M 75 Xylenes (total)	106				1068823	250.000	797.1
76 Styrene	104	10.542	10.542	(1.068)	589033	250.000	261.6
77 Bromoform	173	10.713	10.713	(1.085)	105748	250.000	339.8
78 Isopropylbenzene	105	10.901	10.901	(1.104)	837883	250.000	243.9
79 Bromobenzene	156	11.187	11.187	(0.917)	227985	250.000	250.3
81 n-Propylbenzene	120	11.309	11.309	(0.927)	251713	250.000	232.9
82 2-Chlorotoluene	126	11.491	11.491	(0.942)	242898	250.000	224.5
83 1,1,2,2-Tetrachloroethane	83	11.187	11.187	(0.917)	243667	250.000	258.8
84 1,2,3-Trichloropropane	110	11.218	11.218	(0.920)	77342	250.000	248.0
85 4-Chlorotoluene	126	11.491	11.491	(0.942)	242898	250.000	224.5

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Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ng)	ON-COL (ng)
=====	----	----	----	-----	-----	-----	-----	-----
86 1,3,5-Trimethylbenzene	105		11.485	11.485	(0.942)	802687	250.000	232.8
87 tert-Butylbenzene	119		11.807	11.807	(0.968)	636648	250.000	231.9
88 1,2,4-Trimethylbenzene	105		11.856	11.856	(0.972)	804759	250.000	239.0
89 sec-Butylbenzene	105		12.026	12.026	(0.986)	1007241	250.000	232.9
90 4-Isopropyltoluene	119		12.178	12.178	(0.999)	895069	250.000	243.6
91 1,3-Dichlorobenzene	146		12.130	12.130	(0.995)	446563	250.000	240.1
93 1,4-Dichlorobenzene	146		12.215	12.215	(1.001)	470136	250.000	241.6
94 n-Butylbenzene	91		12.580	12.580	(1.031)	826923	250.000	257.0
95 1,2-Dichlorobenzene	146		12.586	12.586	(1.032)	443986	250.000	241.6
96 1,2-Dibromo-3-chloropropane	157		13.352	13.352	(1.095)	33489	250.000	260.2
97 1,2,4-Trichlorobenzene	180		14.191	14.191	(1.164)	250585	250.000	280.1
98 Hexachlorobutadiene	225		14.380	14.380	(1.179)	144318	250.000	347.0
99 Naphthalene	128		14.428	14.428	(1.183)	553401	250.000	238.2
100 1,2,3-Trichlorobenzene	180		14.672	14.672	(1.203)	221231	250.000	270.1

666 163

30 0.00

GC/MS VOLATILE
QC DATA

Date : 18-JUL-2000 05:21

Client ID: 31019D

Instrument: hp3.1

Sample Info: BFB 192-185-1 50NG

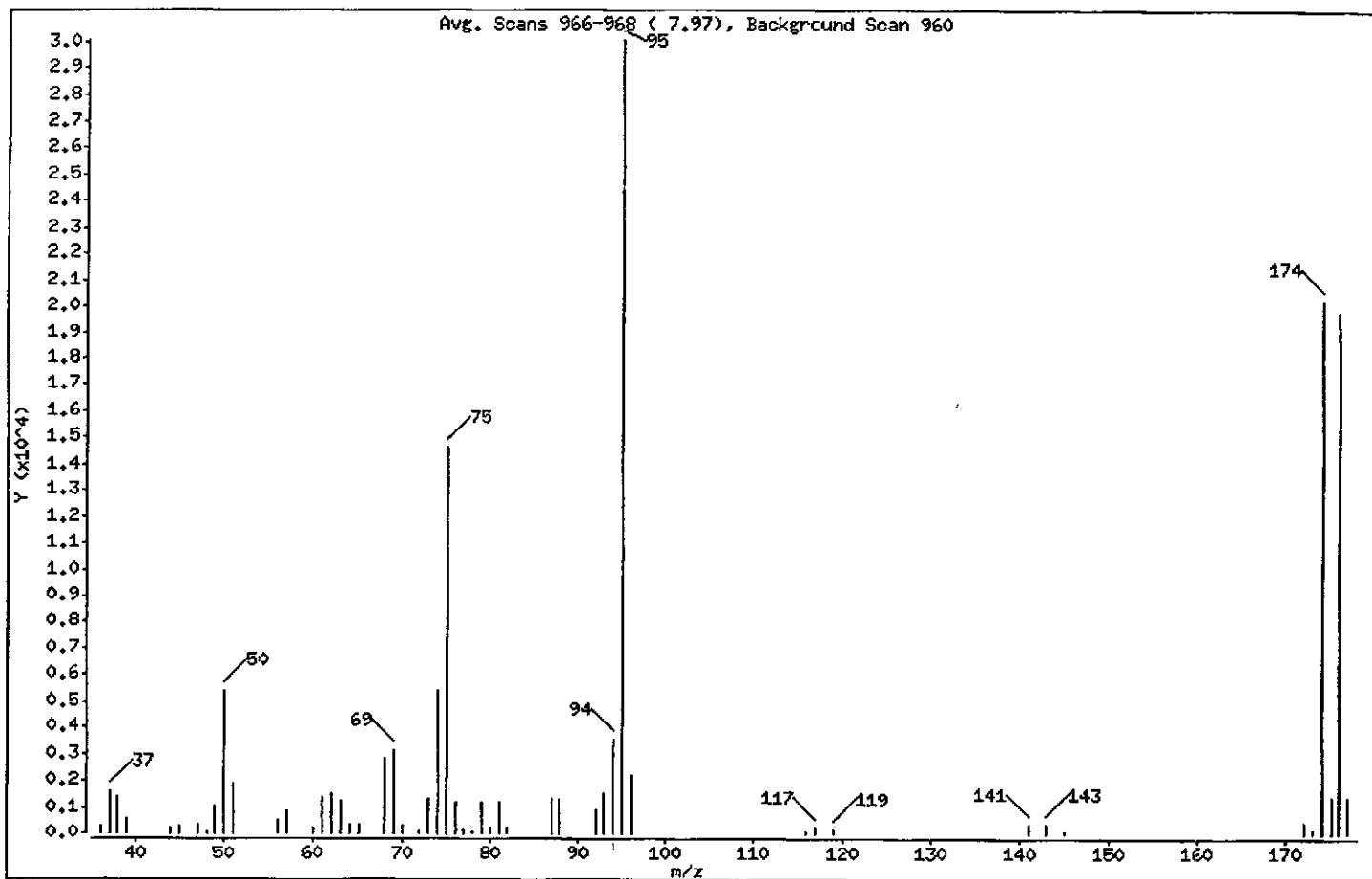
Volume Injected (uL): 1.0

Operator: 10099

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.94
75	30.00 - 60.00% of mass 95	48.67
96	5.00 - 9.00% of mass 95	7.41
173	Less than 2.00% of mass 174	0.52 (0.77)
174	50.00 - 100.00% of mass 95	67.61
175	5.00 - 9.00% of mass 174	4.51 (6.67)
176	95.00 - 101.00% of mass 174	65.92 (97.50)
177	5.00 - 9.00% of mass 176	4.53 (6.87)

Date : 18-JUL-2000 05:21

Client ID: 31019D

Instrument: hp3.1

Sample Info: BFB 192-185-1 50NG

Volume Injected (uL): 1.0

Operator: 10099

Column phase: DB624 20m

Column diameter: 0.18

Data File: BF30718.D

Spectrum: Avg. Scans 966-968 (7.97), Background Scan 960

Location of Maximum: 95.00

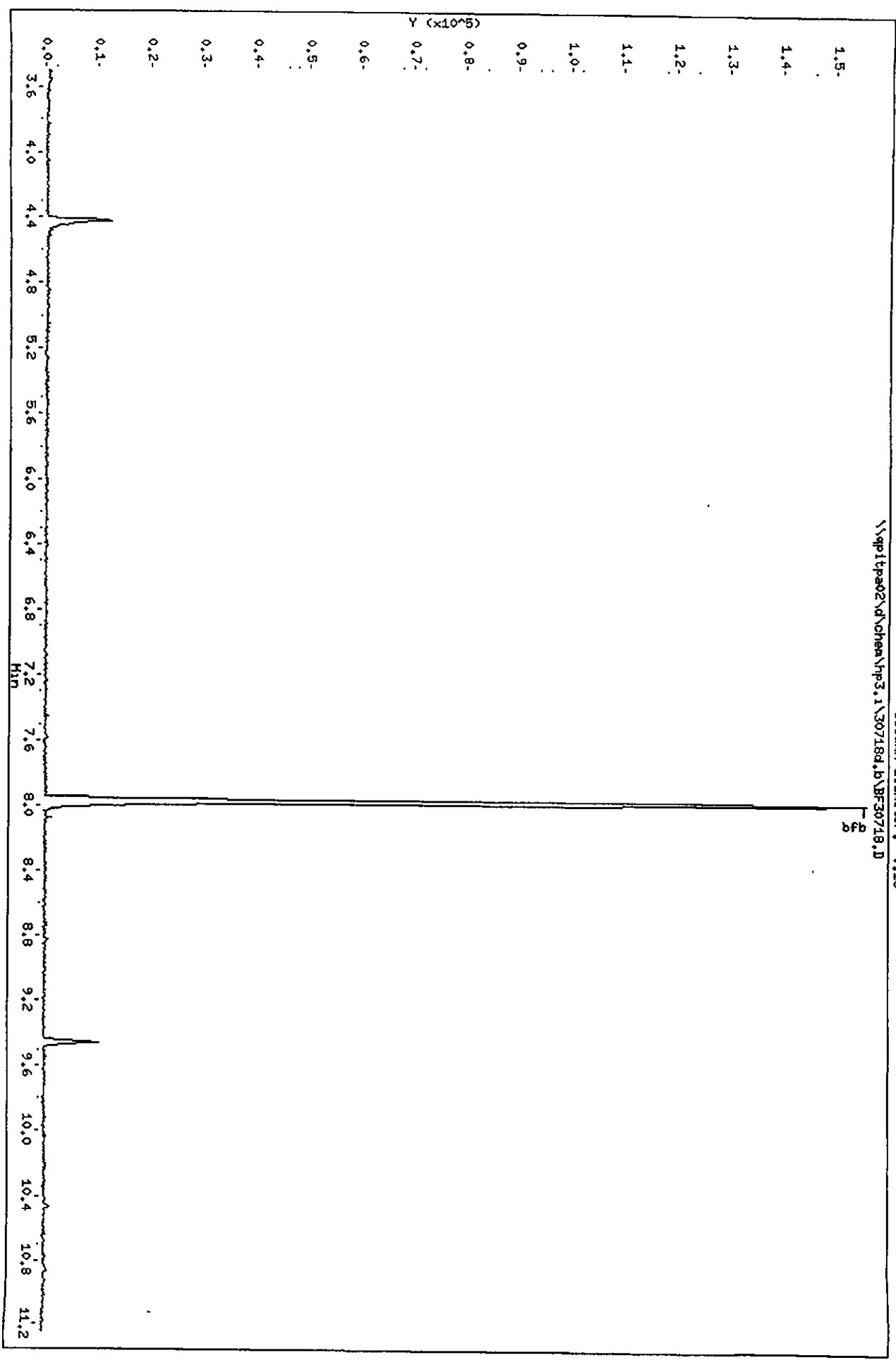
Number of points: 52

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36.00	253	61.00	1416	78.00	77	119.00	143
37.00	1622	62.00	1493	79.00	1197	141.00	363
38.00	1417	63.00	1272	80.00	205	143.00	376
39.00	546	64.00	320	81.00	1172	145.00	71
44.00	240	65.00	353	82.00	175	172.00	394
45.00	288	68.00	2818	87.00	1308	173.00	156
47.00	315	69.00	3125	88.00	1308	174.00	20312
48.00	93	70.00	287	92.00	871	175.00	1354
49.00	1050	72.00	68	93.00	1497	176.00	19800
50.00	5391	73.00	1340	94.00	3551	177.00	1361
51.00	1883	74.00	5389	95.00	30048		
56.00	457	75.00	14625	96.00	2226		
57.00	832	76.00	1202	116.00	75		
60.00	187	77.00	107	117.00	211		

Data File: \\ppitpa02\chem\hp3.1\307184.b\BF30718.D
Date: 18-JUL-2000 05:21
Client ID: 31019D
Sample Info: BFB 192-185-1 50NC
Volume Injected (uL): 1.0
Column phase: DB624 20m

666 166

Instrument: hp3.1
Operator: 10099
Column diameter: 0.18



Date : 31-JUL-2000 05:26

Client ID: 31019D

Instrument: hp3.i

Sample Info: BFB 192-188-2 50NG

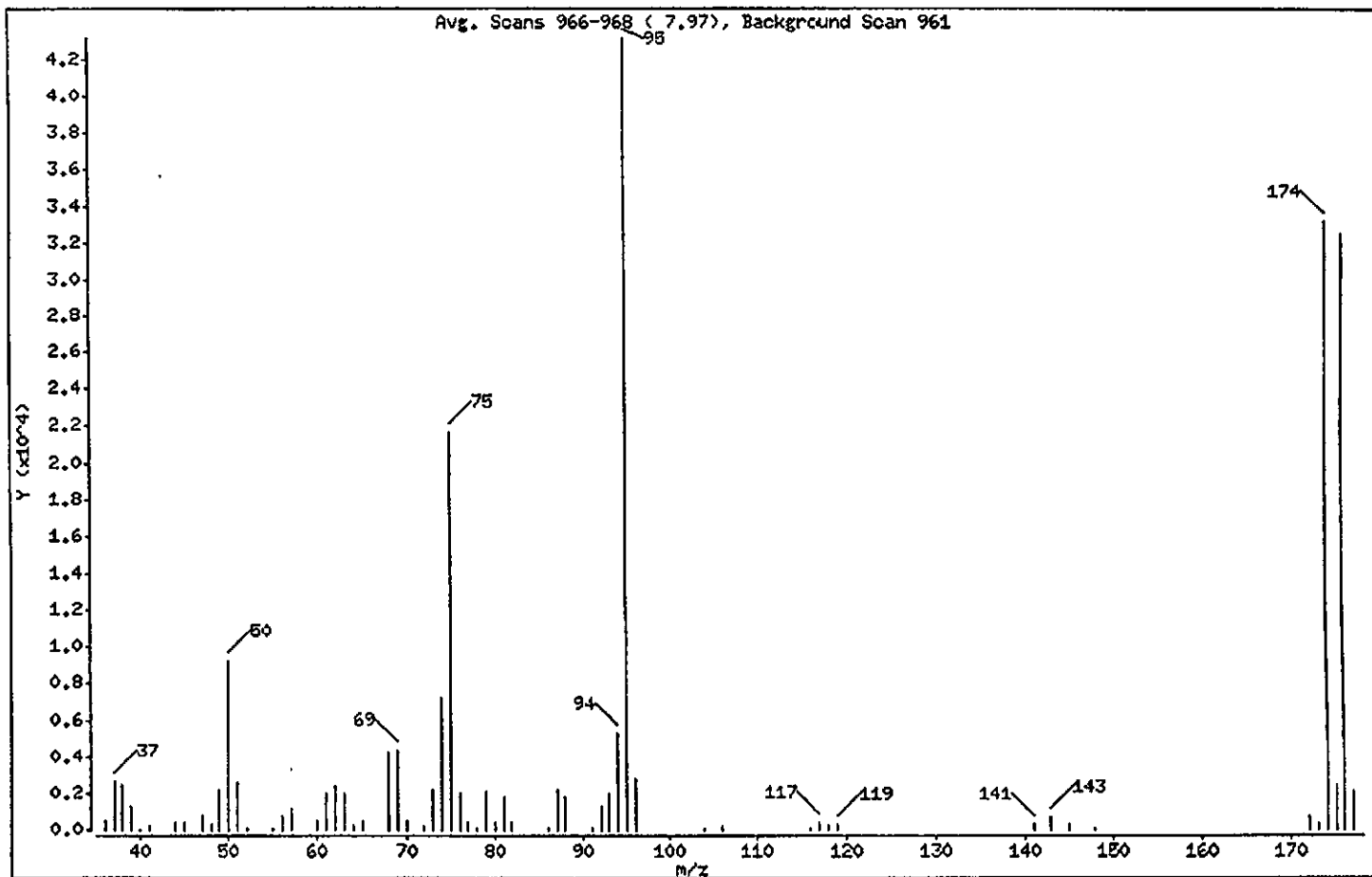
Volume Injected (uL): 1.0

Operator: 10099

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.32
75	30.00 - 60.00% of mass 95	50.03
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.69 (0.90)
174	50.00 - 100.00% of mass 95	76.77
175	5.00 - 9.00% of mass 174	5.51 (7.18)
176	95.00 - 101.00% of mass 174	75.07 (97.79)
177	5.00 - 9.00% of mass 176	4.78 (6.37)

Date : 31-JUL-2000 05:26

Client ID: 31019D

Instrument: hp3.i

Sample Info: BFB 192-188-2 50NG

Volume Injected (uL): 1.0

Operator: 10099

Column phase: DB624 20m

Column diameter: 0.18

Data File: BF30731.D

Spectrum: Avg. Scans 966-968 (7.97), Background Scan 961

Location of Maximum: 95.00

Number of points: 62

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36.00	544	57.00	1235	78.00	143	116.00	68
37.00	2668	60.00	474	79.00	2118	117.00	358
38.00	2466	61.00	2031	80.00	420	118.00	179
39.00	1263	62.00	2349	81.00	1791	119.00	296
40.00	6	63.00	2002	82.00	412	141.00	257
41.00	165	64.00	336	86.00	66	143.00	741
44.00	363	65.00	527	87.00	2142	145.00	306
45.00	404	68.00	4292	88.00	1754	148.00	68
47.00	795	69.00	4388	91.00	140	172.00	650
48.00	342	70.00	487	92.00	1298	173.00	298
49.00	2195	72.00	209	93.00	2029	174.00	33160
50.00	9211	73.00	2145	94.00	5260	175.00	2381
51.00	2574	74.00	7228	95.00	43192	176.00	32424
52.00	79	75.00	21608	96.00	2825	177.00	2066
55.00	67	76.00	1962	104.00	78		
56.00	745	77.00	389	106.00	196		

Data File: \\QP1TP002\DJ\chem\hp3.1\30731d.b\BF30731.D

Page 1

Date: 31-JUL-2000 05:26

Instrument: hp3.1

Client ID: 310419D

Sample Info: BFB 192-188-2 SONG

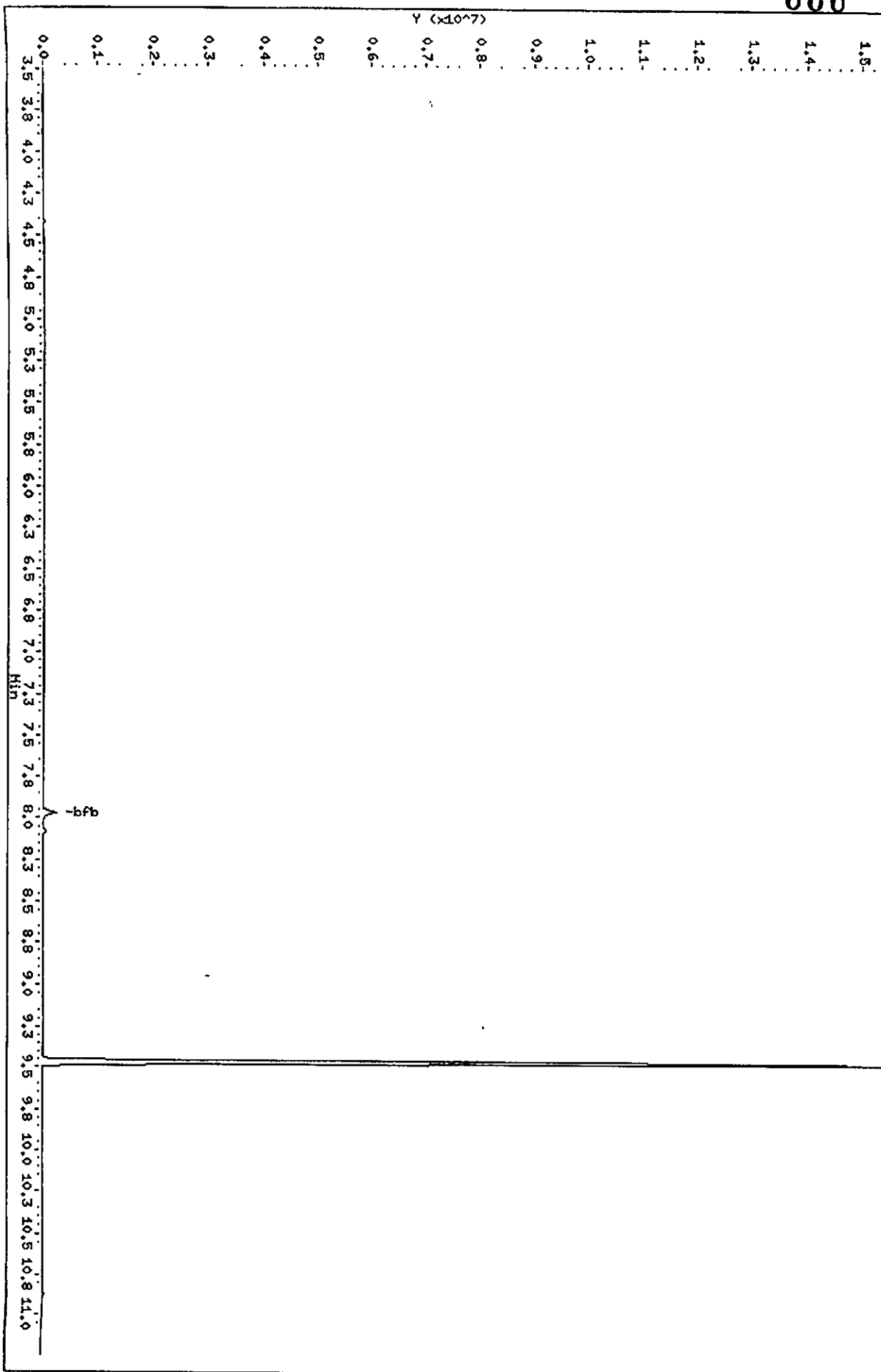
Volume Injected (uL): 1.0

Operator: 10099

Column Phase: DB624 20m

Column diameter: 0.18

\\QP1TP002\DJ\chem\hp3.1\30731d.b\BF30731.D



UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COG310000 172

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 07/29/00

Work Order: DH3J1101

Date Extracted: 07/31/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0213172

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
67-64-1	Acetone	2.4	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	20	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U

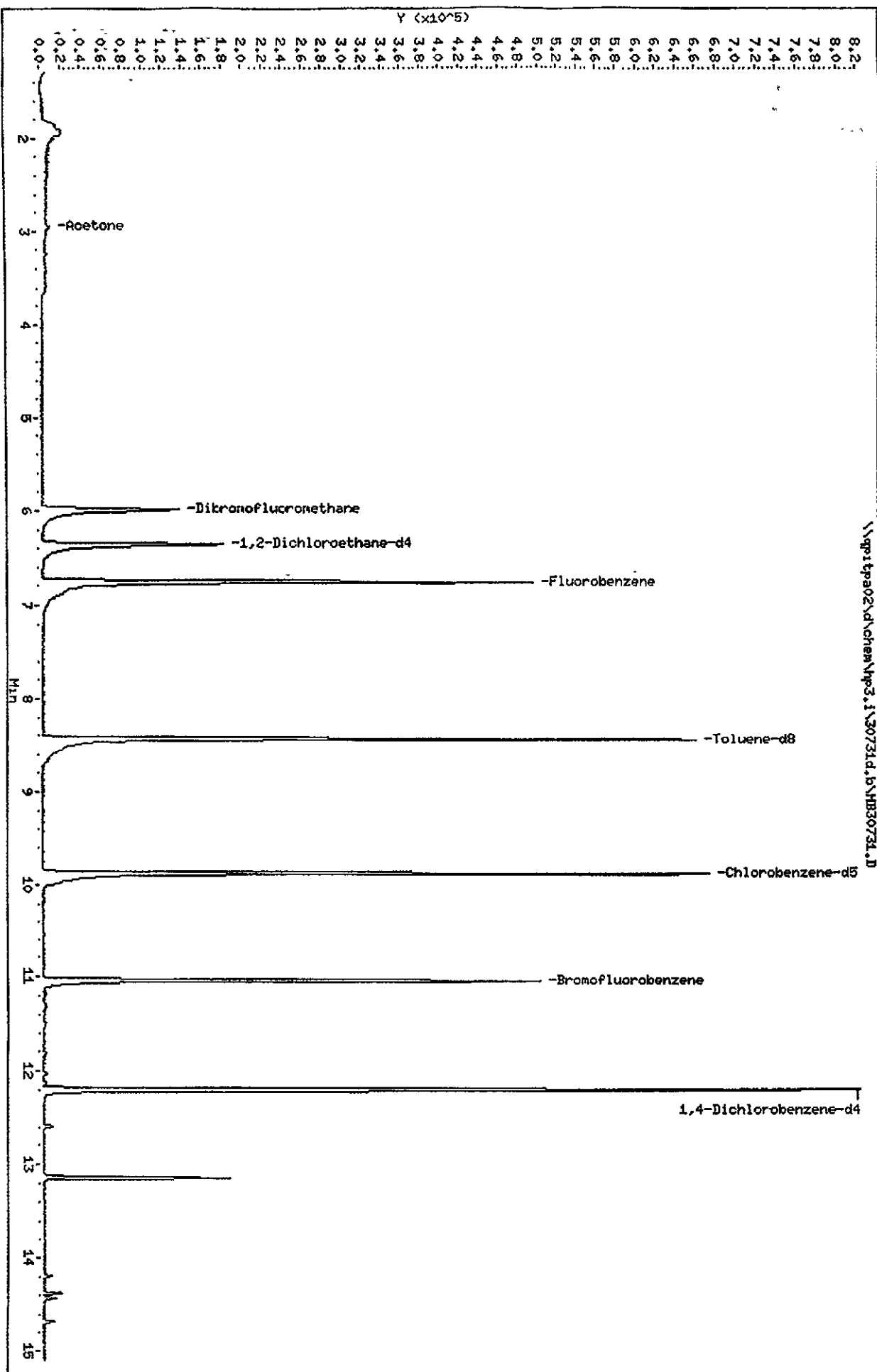
UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:
Matrix: (soil/water) WATER Lab Sample ID: C0G310000 172
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)
Sample WT/Vol: 5 / mL Date Received: 07/29/00
Work Order: DH3J1101 Date Extracted: 07/31/00
Dilution factor: 1 Date Analyzed: 07/31/00
Moisture %: NA
QC Batch: 0213172
Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	5.0	U

Data File: \\epitpe02\chem\hp3.1\30731d.b\H30731.D
Date: 31-JUL-2000 07:03
Client ID: vblk
Sample Info: VBLK BML
Purge Volume: 5.0
Column phase: DB 624

Instrument: hp3.1
Operator: 10099
Column diameter: 0.18



666 173

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30731d.b\MB30731.D
Lab Smp Id: VBLK Client Smp ID: vblk
Inj Date : 31-JUL-2000 07:03 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : VBLK 5ML
Misc Info : VBLK,30731d.b,8260bh2o,4-dwh20.sub
Comment :
Method : \\qpitpa02\d\chem\hp3.i\30731d.b\8260bh2o.m
Meth Date : 18-Jul-2000 13:52 Quant Type: ISTD
Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC073

Kig
7/31/00

Compound Sublist: 4-dwh20.sub

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	6.752	6.752	(1.000)	549881	250.000	
* 69 Chlorobenzene-d5	119	9.871	9.871	(1.000)	134165	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.194	12.194	(1.000)	209850	250.000	
\$ 39 Dibromofluoromethane	113	5.985	5.991	(0.887)	139802	261.904	52.38
\$ 43 1,2-Dichloroethane-d4	65	6.356	6.356	(0.941)	170780	258.478	51.70
\$ 59 Toluene-d8	98	8.436	8.430	(0.855)	502737	258.854	51.77
\$ 80 Bromofluorobenzene	95	11.039	11.039	(1.118)	174372	201.673	40.33
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	2.945	2.993	(0.436)	6784	12.0039	2.401
18 Methylene Chloride	84	Compound Not Detected.					

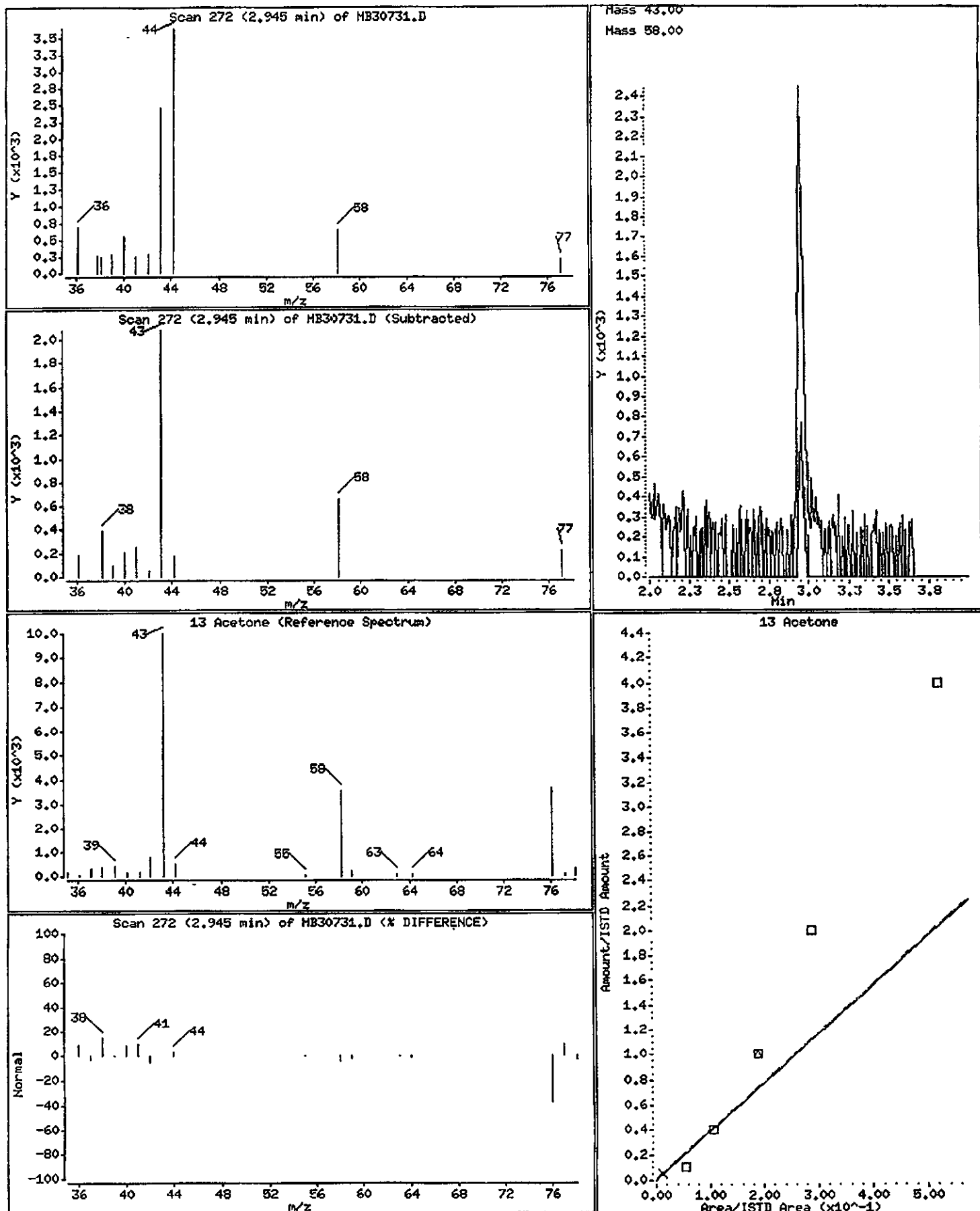
666 174

							CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL	
Compounds		MASS		RT	EXP RT	REL RT	RESPONSE	(ng)	(UG/L)
*****		****		**	*****	*****	*****	*****	*****
19	trans-1,2-Dichloroethene	96		Compound	Not	Detected.			
20	Methyl tert-butyl ether	73		Compound	Not	Detected.			
24	1,1-Dichloroethane	63		Compound	Not	Detected.			
27	2,2-Dichloropropane	77		Compound	Not	Detected.			
28	cis-1,2-dichloroethene	96		Compound	Not	Detected.			
M 29	1,2-Dichloroethene (total)	96		Compound	Not	Detected.			
30	Bromochloromethane	128		Compound	Not	Detected.			
31	2-Butanone	43		Compound	Not	Detected.			
37	Chloroform	83		Compound	Not	Detected.			
38	1,1,1-Trichloroethane	97		Compound	Not	Detected.			
40	1,1-Dichloropropene	75		Compound	Not	Detected.			
41	Carbon Tetrachloride	117		Compound	Not	Detected.			
42	Benzene	78		Compound	Not	Detected.			
45	1,2-Dichloroethane	62		Compound	Not	Detected.			
47	Trichloroethene	130		Compound	Not	Detected.			
49	1,2-Dichloropropane	63		Compound	Not	Detected.			
50	Dibromomethane	93		Compound	Not	Detected.			
53	Bromodichloromethane	83		Compound	Not	Detected.			
57	cis-1,3-Dichloropropene	75		Compound	Not	Detected.			
58	4-Methyl-2-Pentanone	43		Compound	Not	Detected.			
60	Toluene	91		Compound	Not	Detected.			
61	trans-1,3-Dichloropropene	75		Compound	Not	Detected.			
63	1,3-Dichloropropane	76		Compound	Not	Detected.			
64	1,1,3-Trichloroethane	97		Compound	Not	Detected.			
65	Tetrachloroethene	164		Compound	Not	Detected.			
66	2-Hexanone	43		Compound	Not	Detected.			
67	Dibromochloromethane	129		Compound	Not	Detected.			
68	1,2-Dibromoethane	107		Compound	Not	Detected.			
70	Chlorobenzene	112		Compound	Not	Detected.			
71	1,1,1,2-Tetrachloroethane	131		Compound	Not	Detected.			
72	Ethylbenzene	106		Compound	Not	Detected.			
73	m + p-Xylene	106		Compound	Not	Detected.			
74	Xylene-o	106		Compound	Not	Detected.			
M 75	Xylenes (total)	106		Compound	Not	Detected.			
76	Styrene	104		Compound	Not	Detected.			
77	Bromoform	173		Compound	Not	Detected.			
78	Isopropylbenzene	105		Compound	Not	Detected.			
79	Bromobenzene	156		Compound	Not	Detected.			
81	n-Propylbenzene	120		Compound	Not	Detected.			
82	2-Chlorotoluene	126		Compound	Not	Detected.			
83	1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.			
84	1,2,3-Trichloropropane	110		Compound	Not	Detected.			
85	4-Chlorotoluene	126		Compound	Not	Detected.			
86	1,3,5-Trimethylbenzene	105		Compound	Not	Detected.			
87	tert-Butylbenzene	119		Compound	Not	Detected.			
88	1,2,4-Trimethylbenzene	105		Compound	Not	Detected.			
89	sec-Butylbenzene	105		Compound	Not	Detected.			

666 175

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (UG/L)
-----	----		--	-----	-----	-----	-----	-----
90 4-Isopropyltoluene	119					Compound Not Detected.		
91 1,3-Dichlorobenzene	146					Compound Not Detected.		
93 1,4-Dichlorobenzene	146					Compound Not Detected.		
94 n-Butylbenzene	91					Compound Not Detected.		
95 1,2-Dichlorobenzene	146					Compound Not Detected.		
96 1,2-Dibromo-3-chloropropane	157					Compound Not Detected.		
97 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
98 Hexachlorobutadiene	225					Compound Not Detected.		
99 Naphthalene	128					Compound Not Detected.		
100 1,2,3-Trichlorobenzene	180					Compound Not Detected.		

13 Acetone



666 177

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG310000 172
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)Sample WT/Vol: 5 / mL Date Received: 07/29/00
Work Order: DH3J1102 Date Extracted: 07/31/00
Dilution factor: 1 Date Analyzed: 07/31/00
Moisture %: NA

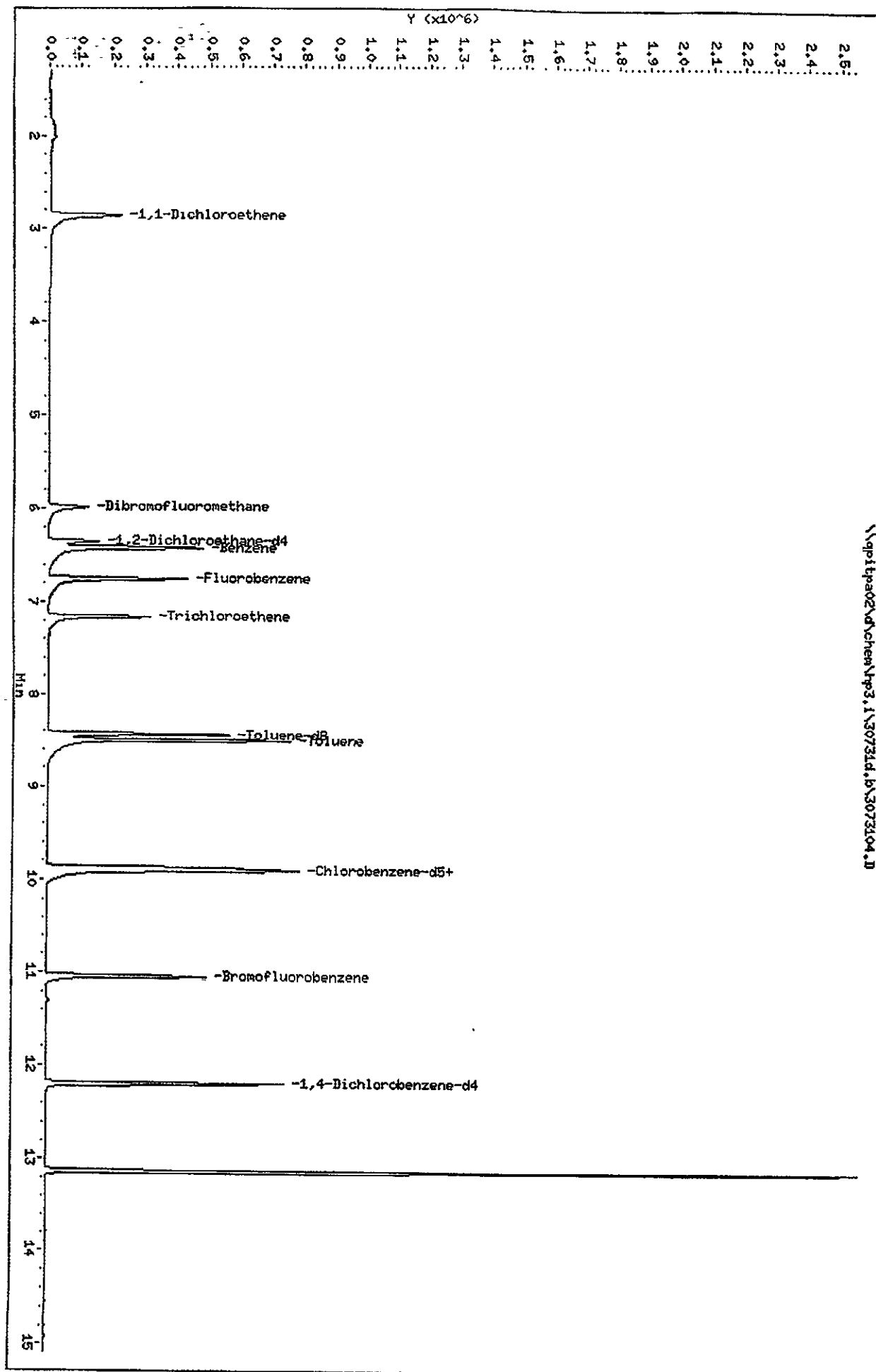
QC Batch: 0213172

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
71-43-2	Benzene	53.1	
108-90-7	Chlorobenzene	50.7	
75-35-4	1,1-Dichloroethene	53.8	
108-88-3	Toluene	54.8	
79-01-6	Trichloroethene	49.2	

Data File: \\ppltpa02\chem\mp3.1\30731d.b\3073104.D
Date: 31-JUL-2000 08:35
Client ID:
Sample Info: BLANK HS SHL
Purge Volume: 5.0
Column phase: DB 624

Instrument: mp3.1
Operator: 10039
Column diameter: 0.18



666 179

STL Pittsburgh

VOLATILE REPORT SW-846 Method
Data file : \\qpitpa02\d\chem\hp3.i\30731d.b\3073104.D
Lab Smp Id:
Inj Date : 31-JUL-2000 08:35 MS Autotune Date: 20-FEB-1997 10:53
Operator : 10099 Inst ID: hp3.i
Smp Info : BLANK MS 5ML
Misc Info : ,30731d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30731d.b\8260bh2o.m
Meth Date : 18-Jul-2000 13:52 Quant Type: ISTD
Cal Date : 18-JUL-2000 13:16 Cal File: 4A30718.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC076

Compound Sublist: 4-dwh20.sub

KLG
7/31/00

Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)
=====	=====	=====	=====	=====	=====	=====	=====
* 46 Fluorobenzene	96	6.751	6.752	(1.000)	504959	250.000	
* 69 Chlorobenzene-d5	119	9.870	9.871	(1.000)	131352	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.193	12.194	(1.000)	190319	250.000	
\$ 39 Dibromofluoromethane	113	5.984	5.991	(0.886)	126336	257.732	51.55
\$ 43 1,2-Dichloroethane-d4	65	6.355	6.356	(0.941)	160155	263.961	52.79
\$ 59 Toluene-d8	98	8.435	8.430	(0.855)	492380	258.951	51.79
\$ 80 Bromofluorobenzene	95	11.038	11.039	(1.118)	174725	206.409	41.28
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	2.858	2.835	(0.423)	148391	269.100	53.82
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					

666 180

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
-----	----	--	-----	-----	-----	-----	-----
18 Methylene Chloride	84				Compound Not Detected.		
19 trans-1,2-Dichloroethene	96				Compound Not Detected.		
20 Methyl tert-butyl ether	73				Compound Not Detected.		
24 1,1-Dichloroethane	63				Compound Not Detected.		
27 2,2-Dichloropropane	77				Compound Not Detected.		
28 cis-1,2-dichloroethene	96				Compound Not Detected.		
M 29 1,2-Dichloroethene (total)	96				Compound Not Detected.		
30 Bromochloromethane	128				Compound Not Detected.		
31 2-Butanone	43				Compound Not Detected.		
37 Chloroform	83				Compound Not Detected.		
38 1,1,1-Trichloroethane	97				Compound Not Detected.		
40 1,1-Dichloropropene	75				Compound Not Detected.		
41 Carbon Tetrachloride	117				Compound Not Detected.		
42 Benzene	78	6.422	6.417 (0.951)		548668	265.692	53.14
45 1,2-Dichloroethane	62				Compound Not Detected.		
47 Trichloroethene	130	7.164	7.159 (1.061)		133483	245.792	49.16
49 1,2-Dichloropropane	63				Compound Not Detected.		
50 Dibromomethane	93				Compound Not Detected.		
53 Bromodichloromethane	83				Compound Not Detected.		
57 cis-1,3-Dichloropropene	75				Compound Not Detected.		
58 4-Methyl-2-Pentanone	43				Compound Not Detected.		
60 Toluene	91	8.496	8.497 (0.861)		647191	273.967	54.79
61 trans-1,3-Dichloropropene	75				Compound Not Detected.		
63 1,3-Dichloropropane	76				Compound Not Detected.		
64 1,1,2-Trichloroethane	97				Compound Not Detected.		
65 Tetrachloroethene	164				Compound Not Detected.		
66 2-Hexanone	43				Compound Not Detected.		
67 Dibromochloromethane	129				Compound Not Detected.		
68 1,2-Dibromoethane	107				Compound Not Detected.		
70 Chlorobenzene	112	9.901	9.902 (1.003)		446018	253.429	50.68
71 1,1,1,2-Tetrachloroethane	131				Compound Not Detected.		
72 Ethylbenzene	106				Compound Not Detected.		
73 m + p-Xylene	106				Compound Not Detected.		
74 Xylene-o	106				Compound Not Detected.		
M 75 Xylenes (total)	106				Compound Not Detected.		
76 Styrene	104				Compound Not Detected.		
77 Bromoform	173				Compound Not Detected.		
78 Isopropylbenzene	105				Compound Not Detected.		
79 Bromobenzene	156				Compound Not Detected.		
81 n-Propylbenzene	120				Compound Not Detected.		
82 2-Chlorotoluene	126				Compound Not Detected.		
83 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
84 1,2,3-Trichloropropane	110				Compound Not Detected.		
85 4-Chlorotoluene	126				Compound Not Detected.		
86 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
87 tert-Butylbenzene	119				Compound Not Detected.		
88 1,2,4-Trimethylbenzene	105				Compound Not Detected.		

666 181

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
89 sec-Butylbenzene	105				Compound Not Detected.		
90 4-Isopropyltoluene	119				Compound Not Detected.		
91 1,3-Dichlorobenzene	146				Compound Not Detected.		
93 1,4-Dichlorobenzene	146				Compound Not Detected.		
94 n-Butylbenzene	91				Compound Not Detected.		
95 1,2-Dichlorobenzene	146				Compound Not Detected.		
96 1,2-Dibromo-3-chloropropane	157				Compound Not Detected.		
97 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
98 Hexachlorobutadiene	225				Compound Not Detected.		
99 Naphthalene	128				Compound Not Detected.		
100 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

666 182

GC/MS VOLATILE
MISCELLANEOUS

2.6411111111111111

GCMS Volatile

Run Log

Analyst KLG

Method: 8260B

Inst. ID HP3

Reviewed by: _____

Std: 192-185-1BFB Std: 192-185-7Int

Std: 192-186-9VOA Std: 192-182-3MS



STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238
412-820-8380

Date: _____

Std: 192-186-6Ketones Std: 192-186-7MTBE Std: 192

Std: _____

Std: _____

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	Port#	Comments
7/18/00	1. BE30718	BFB	50ng			
	2. IC30718	VS150	5ml			0521
	3. QC30718	ERA Q	5ml			
	4. WB30718	VBK	5ml			
	5. QK30719	Blank MS	5ml			
	6. ID30718	VS1000	5ml			faulb TCE
	7. IE30718	VS1020	5ml			
	8. BB30718	VS1020 VS1010	5ml			
	9. 4A30718	VS1010	5ml			
	10.					
	11.					
	12.					
	13.					
	14.					
	15.					
	16.					
	17.					
	18.					
	19.					
	20.					
	21.					
	22.					

666 183

GCMS Volatile

Run Log

Method: 8203

Inst. ID H03



STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238
412-820-8380

Analyst KLG

Reviewed by: _____

Date: _____

Std: 192-188-2PFB

Std: 192-185-9SLUR

Std: 192-186-9V04

Std: 192-186-6ELETONES

Std: 192-186-7MTBE/CS2

Std: _____

Std: _____

Date	File ID	Lot No./Sample No.	Vol./Wt.	pH	Port#	Comments
7/31/02	BE30731	BEFB	50mg			0526
2.	1030731	VEP50	5ml			
3.	MB30731	VRUL	5ml			
4.	3073101	COG290144-006	5ml	1		②
5.	3073102	COG290144-005	5ml	1		
6.	3073103	COG290144-006	5ml	1		
7.	3073104	Blank MS	5ml			
8.	3073105	COG290144-007 7/31/02	5ml	1		
9.	3073106	COG290144-001	5ml	1		
10.	3073107	COG2410104-001	5ml	7		
11.	3073108	COG290144-003 MS	5ml	1		
12.	3073109	COG290144-003 MSB	5ml	1		
13.	3073110	COG270302-001	5ml	1		
14.	3073111	COG280177-011	5ml	1		
15.	3073112	COG270310-002 7/31/02 (milk/milk) 5ml	5ml	1		
16.	3073113	COG270310-011	5ml	1		
17.	3073114	COG270310-005	5ml	1		②
18.	3073115	COG270310-002	5ml	1		
19.	3073116	COG270310-005	5ml	1		
20.	3073117	COG280330-001	5ml	1		
21.	3073118	COG280330-003	5ml	1		
22.	3073119	COG280330-002	5ml	1		

REQUESTED BY: GORDONK

METHOD: QK Volatile Organics, GC/MS (8260B)

<u>STORAGE LOCATION</u>	<u>WORK ORDER #</u>	<u>PICKED</u> <u>CNTR#</u>	<u>CONTROL #</u>	<u>CLIENT #</u>	<u>ANALYSIS</u>	<u>LOTID</u>	<u>SMP#</u>	<u>SFX</u>	<u>MATRIX</u> <u>DESCRIPTION</u>	<u>QTY</u> <u>RCVD</u>	<u>QTY</u> <u>REQD</u>
12D CLP1	DGXL3-1-01		253822	399411	I-15-QK	COG270302	001	/	WATER	0	13 1

RELINQUISHED BYRECEIVED BYDATE/TIME

CLP1

Kathy Gordon

Kathy Gordon
N401

7/31/00 1000

7/31/00 1115

***** END OF REPORT *****

666 186

GC/MS SEMIVOLATILE DATA

**GC/MS SEMIVOLATILE
QC SUMMARY**

666 188

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0G270302

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	8.7*	17 *	83	18	0.9*	0.0*	04
02	METHOD BLK. DH2FH104	63	57	61	61	58	84	00
03	LCS DH2FH105	77	82	77	99	72	94	00
04	LCSD DH2FH106	68	61	64	62	62	85	00

SURROGATES		QC LIMITS
SRG01	= Phenol-d5	(10-113)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Nitrobenzene-d5	(32-112)
SRG04	= Terphenyl-d14	(10-144)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G290000

WO #: DH2FH105

BATCH: 0211096

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Phenol	75.0	54.8	73	10- 131	
2-Chlorophenol	75.0	58.4	78	19- 124	
1,4-Dichlorobenzene	50.0	37.9	76	28- 110	
N-Nitrosodi-n-propylamine	50.0	34.7	69	30- 115	
1,2,4-Trichlorobenzene	50.0	39.9	80	31- 110	
4-Chloro-3-methylphenol	75.0	60.1	80	29- 124	
Acenaphthene	50.0	41.2	82	39- 118	
4-Nitrophenol	75.0	62.6	83	19- 144	
2,4-Dinitrotoluene	50.0	39.9	80	47- 131	
Pentachlorophenol	75.0	73.2	98	10- 140	
Pyrene	50.0	46.4	93	46- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

666 190

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G290000

WO #: DH2FH106

BATCH: 0211096

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	48.4	65	10- 131	
2-Chlorophenol	75.0	49.8	66	19- 124	
1,4-Dichlorobenzene	50.0	31.8	64	28- 110	
N-Nitrosodi-n-propylamine	50.0	34.1	68	30- 115	
1,2,4-Trichlorobenzene	50.0	32.8	66	31- 110	
4-Chloro-3-methylphenol	75.0	59.7	80	29- 124	
Acenaphthene	50.0	33.6	67	39- 118	
4-Nitrophenol	75.0	80.4	107	19- 144	
2,4-Dinitrotoluene	50.0	38.6	77	47- 131	
Pentachlorophenol	75.0	71.3	95	10- 140	
Pyrene	50.0	29.3	59	46- 130	p

NOTES (S) :

p Relative percent difference (RPD) is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

DH2FH104

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: S0801024.

Lot Number: C0G270302

Date Analyzed: 08/01/00

Time Analyzed: 17:02

Matrix: WATER

Date Extracted: 07/28/00

GC Column: DB5MS ID: .25

Extraction Method: 3520C

Instrument ID: 71

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	DF/S1/0208/IDW/002	DGXL3102	S0802021.	08/02/00	14:37
02	CHECK SAMPLE	DH2FH105 C	S0802002.	08/02/00	11:57
03	DUPLICATE CHECK	DH2FH106 L	S0801026.	08/01/00	18:06
04					
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30					

COMMENTS:

FORM IV

666 192

Lab Name: STL-PITTSBURGH

Contract:

SDG No.:

Lab Code: STLPIT Case No.:

SAS No.:

DFTPP Injection Date: 08/03/00

Lab File ID: S0803DFT

DFTPP Injection Time: 1458

Instrument ID: 71

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	51.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	26.9
365	Greater than 1.0% of mass 198	5.93
441	Present, but less than mass 443	15.8
442	Greater than 40.0% of mass 198	89.6
443	17.0 - 23.0% of mass 442	18.7 (20.8)2

2-Value is % mass 442

1-Value is % mass 69

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	S0803CC2	08/03/00	1512
02	SSTD20	SSTD20	S0803CC1	08/03/00	1544
03	SSTD80	SSTD80	S0803CC3	08/03/00	1616
04	SSTD120	SSTD120	S0803CC4	08/03/00	1648
05	SSTD160	SSTD160	S0803CC5	08/03/00	1720
06					
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OLM03.0

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

666 193

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: _

Lab File ID: S0720DF2

DFTPP Injection Date: 07/20/00

Instrument ID: 71

DFTPP Injection Time: 1337

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	58.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	24.6
365	Greater than 1.0% of mass 198	5.10
441	Present, but less than mass 443	13.2
442	Greater than 40.0% of mass 198	82.2
443	17.0 - 23.0% of mass 442	15.7 (19.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD50	S0720CC2	07/20/00	1355
02	SSTD020	SSTD20	S0720CC1	07/20/00	1427
03	SSTD80	SSTD80	S0720CC3	07/20/00	1458
04	SSTD120	SSTD120	S0720CC4	07/20/00	1530
05	SSTD160	SSTD160	S0720CC5	07/20/00	1602
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

666 194

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID: S0801DF2

DFTPP Injection Date: 08/01/00

Instrument ID: 71

DFTPP Injection Time: 1149

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	53.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	26.1
365	Greater than 1.0% of mass 198	6.33
441	Present, but less than mass 443	14.4
442	Greater than 40.0% of mass 198	87.1
443	17.0 - 23.0% of mass 442	15.8 (18.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	S0801CCC	08/01/00	1206
02	INTRA-LAB BL	DH2FH104	S0801024	08/01/00	1702
03	INTRA-LAB CH	DH2FH106	S0801026	08/01/00	1806
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

666 195

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID: S0802DF2

DFTPP Injection Date: 08/02/00

Instrument ID: 71

DFTPP Injection Time: 1108

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	55.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	55.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	25.7
365	Greater than 1.0% of mass 198	5.78
441	Present, but less than mass 443	13.6
442	Greater than 40.0% of mass 198	78.7
443	17.0 - 23.0% of mass 442	16.1 (20.5)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	S0802CCC	08/02/00	1125
02	INTRA-LAB CH	DH2FH105	S0802002	08/02/00	1157
03	DF/S1/0208/I	DGXL3102	S0802021	08/02/00	1437
04					
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FORM 8 **666 196**
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0801CCC

Date Analyzed: 08/01/00

Instrument ID: 71

Time Analyzed: 1206

	IS1 (DCB)	RT #	IS2 (NPT)	RT #	IS3 (ANT)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	142133	4.48	522897	5.88	252482	8.69
UPPER LIMIT	284266	4.98	1045794	6.38	504964	9.19
LOWER LIMIT	71067	3.98	261449	5.38	126241	8.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	78167	4.47	311889	5.87	194720	8.68
02 INTRA-LAB CH	75390	4.48	302682	5.87	191557	8.68
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IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

666 197

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0801CCC

Date Analyzed: 08/01/00

Instrument ID: 71

Time Analyzed: 1206

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	364178	11.86	375338	18.39	483260	21.71
UPPER LIMIT	728356	12.36	750676	18.89	966520	22.21
LOWER LIMIT	182089	11.36	187669	17.89	241630	21.21
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	416468	11.85	674111	18.38	454566	21.70
02 INTRA-LAB CH	415476	11.86	663366	18.38	470762	21.70
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22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

666 198 FORM 8 SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0802CCC

Date Analyzed: 08/02/00

Instrument ID: 71

Time Analyzed: 1125

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	84103	4.47	304747	5.87	159533	8.67
UPPER LIMIT	168206	4.97	609494	6.37	319066	9.17
LOWER LIMIT	42052	3.97	152374	5.37	79767	8.17
=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB CH	66581	4.47	251530	5.87	128196	8.68
02 DF/S1/0208/I	62313	4.47	243309	5.87	143749	8.68
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20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

666 199

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: C0G270302

Lab File ID (Standard): S0802CCC

Date Analyzed: 08/02/00

Instrument ID: 71

Time Analyzed: 1125

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	287019	11.84	322089	18.37	373705	21.69
UPPER LIMIT	574038	12.34	644178	18.87	747410	22.19
LOWER LIMIT	143510	11.34	161045	17.87	186853	21.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB CH	210563	11.85	196266	18.37	218142	21.69
02 DF/S1/0208/I	278216	11.85	331011	18.38	301993	21.70
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20						
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22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

666 200

**GC/MS SEMIVOLATILE
SAMPLE DATA**

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
110-86-1	Pyridine	40	U
83-32-9	Acenaphthene	20	U
208-96-8	Acenaphthylene	20	U
120-12-7	Anthracene	20	U
56-55-3	Benzo(a)anthracene	20	U
50-32-8	Benzo(a)pyrene	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
191-24-2	Benzo(ghi)perylene	20	U
111-91-1	bis(2-Chloroethoxy)methane	20	U
111-44-4	bis(2-Chloroethyl) ether	20	U
117-81-7	bis(2-Ethylhexyl) phthalate	29	
101-55-3	4-Bromophenyl phenyl ether	20	U
85-68-7	Butyl benzyl phthalate	20	U
86-74-8	Carbazole	20	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	20	U
95-57-8	2-Chlorophenol	20	U
7005-72-3	4-Chlorophenyl phenyl ether	20	U
218-01-9	Chrysene	20	U
53-70-3	Dibenz(a,h)anthracene	20	U
132-64-9	Dibenzofuran	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
91-94-1	3,3'-Dichlorobenzidine	100	U
120-83-2	2,4-Dichlorophenol	20	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	20	U
105-67-9	2,4-Dimethylphenol	20	U
131-11-3	Dimethyl phthalate	20	U
84-74-2	Di-n-butyl phthalate	20	U
117-84-0	Di-n-octyl phthalate	20	U
51-28-5	2,4-Dinitrophenol	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
121-14-2	2,4-Dinitrotoluene	20	U
606-20-2	2,6-Dinitrotoluene	20	U
206-44-0	Fluoranthene	20	U
86-73-7	Fluorene	20	U
118-74-1	Hexachlorobenzene	20	U
87-68-3	Hexachlorobutadiene	20	U
77-47-4	Hexachlorocyclopentadiene	100	U
67-72-1	Hexachloroethane	20	U
193-39-5	Indeno (1,2,3-cd) pyrene	20	U
78-59-1	Isophorone	20	U
91-57-6	2-Methylnaphthalene	20	U
95-48-7	2-Methylphenol	20	U
106-44-5	4-Methylphenol	20	U
91-20-3	Naphthalene	20	U
88-74-4	2-Nitroaniline	100	U
99-09-2	3-Nitroaniline	100	U
100-01-6	4-Nitroaniline	100	U
98-95-3	Nitrobenzene	20	U
88-75-5	2-Nitrophenol	20	U
100-02-7	4-Nitrophenol	100	U
621-64-7	N-Nitrosodi-n-propylamine	20	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COG270302 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3102

Date Extracted: 07/28/00

Dilution factor: 2

Date Analyzed: 08/02/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
86-30-6	N-Nitrosodiphenylamine	20	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	20	U
108-95-2	Phenol	20	U
129-00-0	Pyrene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
95-95-4	2,4,5-Trichlorophenol	20	U
88-06-2	2,4,6-Trichlorophenol	20	U

Data File: \QIPITPA02\Nchem\71.1\5080200.b\50802021.D

Date : 02-AUG-2000 14:37

Client ID: DF/S1/0208/IDM/002

Sample Info: 008270302-001 x2 7/28/00 82700 H2O

Volume Injected (uL): 2.0

Column phase: Hk5-HS

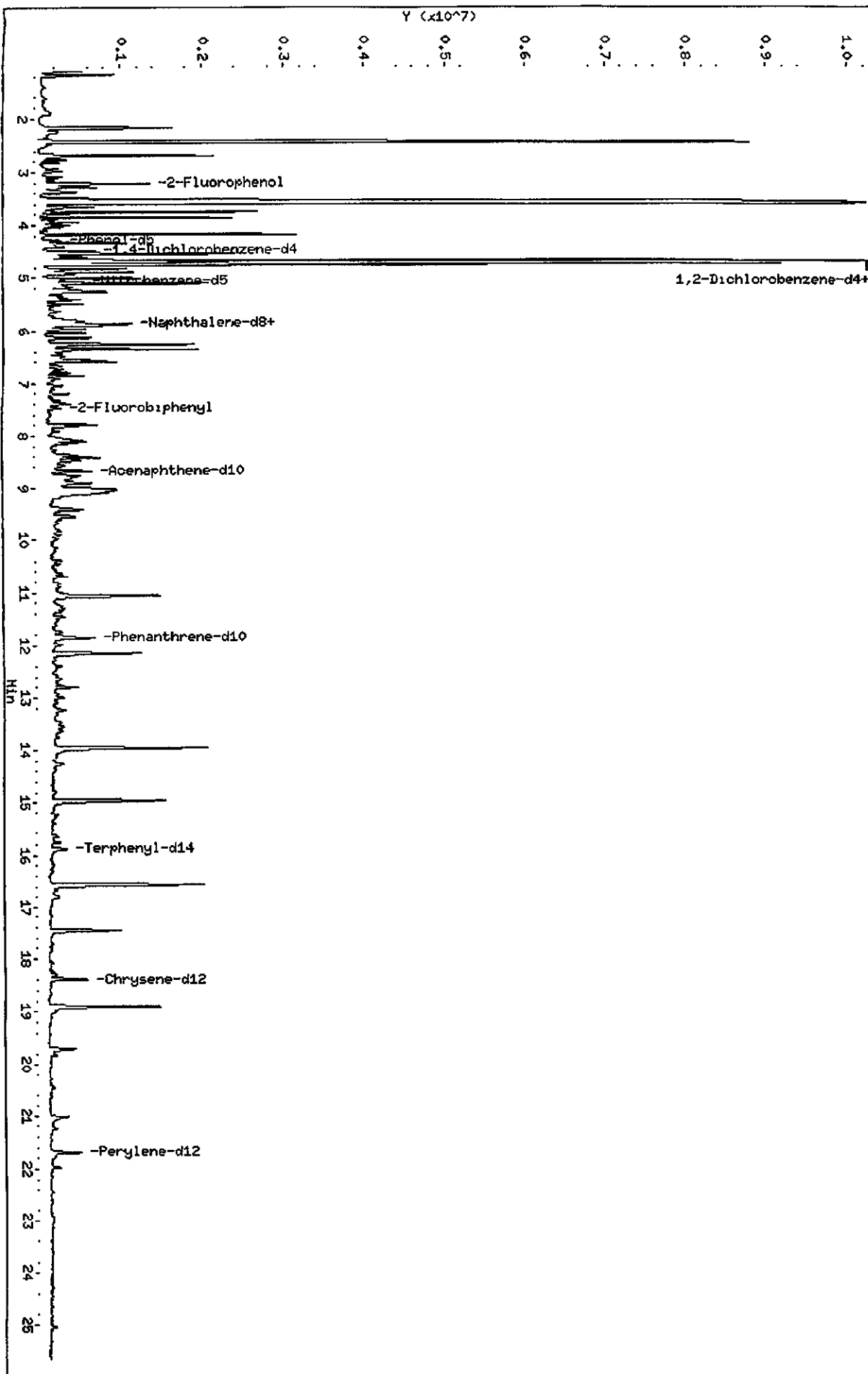
666 204

Instrument: 71.1

Operator: 048183

Column diameter: 0.25

\QIPITPA02\Nchem\71.1\5080200.b\50802021.D



666 205

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080200.b\S0802021.D
Lab Smp Id: DGXL3102 Client Smp ID: DF/S1/0208/IDW/002
Inj Date : 02-AUG-2000 14:37
Operator : 045183 Inst ID: 71.i
Smp Info : c0g270302-001 x2 7/28/00 8270c h20
Misc Info : dgxl3102,s080200.b,8270clp.m,1-82701.sub
Comment :
Method : \\QPITPA02\D\chem\71.i\s080200.b\8270clp.m
Meth Date : 02-Aug-2000 15:41 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 23
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

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

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

3/2/00

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.474	4.467	(1.000)	62313	40.0000	
* 2 Naphthalene-d8	136	5.868	5.866	(1.000)	243309	40.0000	
* 3 Acenaphthene-d10	164	8.678	8.671	(1.000)	143749	40.0000	
* 4 Phenanthrene-d10	188	11.851	11.844	(1.000)	278216	40.0000	
* 5 Chrysene-d12	240	18.379	18.372	(1.000)	331011	40.0000	
* 6 Perylene-d12	264	21.697	21.690	(1.000)	301993	40.0000	
13 N-Nitrosodimethylamine	74	Compound Not Detected.					
10 Pyridine	79	Compound Not Detected.					
19 Methyl methanesulfonate	80	Compound Not Detected.					
22 Aniline	93	Compound Not Detected.					
23 Phenol	94	Compound Not Detected.					
24 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
25 2-Chlorophenol	128	Compound Not Detected.					

666 206

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
27 1,3-Dichlorobenzene	146				Compound Not Detected		
28 1,4-Dichlorobenzene	146				Compound Not Detected		
29 1,2-Dichlorobenzene	146				Compound Not Detected.		
30 Benzyl Alcohol	108				Compound Not Detected		
31 2-Methylphenol	108				Compound Not Detected		
32 2,2'-oxybis (1-Chloropropane)	45				Compound Not Detected.		
33 N-Nitroso-di-n-propylamine	70				Compound Not Detected.		
35 4-Methylphenol	108				Compound Not Detected		
38 Hexachloroethane	117				Compound Not Detected.		
39 Nitrobenzene	77				Compound Not Detected		
44 Isophorone	82				Compound Not Detected.		
45 2-Nitrophenol	139				Compound Not Detected		
46 2,4-Dimethylphenol	107				Compound Not Detected		
47 bis (2-Chloroethoxy) methane	93				Compound Not Detected.		
51 2,4-Dichlorophenol	162				Compound Not Detected.		
52 Benzoic Acid	122	5.900	5.717	(1.005)	335761	398.024	398.02 (A) NA
53 1,2,4-Trichlorobenzene	179				Compound Not Detected.		
54 Naphthalene	128				Compound Not Detected.		
55 4-Chloroaniline	127				Compound Not Detected.		
59 Hexachlorobutadiene	224				Compound Not Detected.		
62 4-Chloro-3-Methylphenol	107				Compound Not Detected		
65 2-Methylnaphthalene	142				Compound Not Detected.		
66 1-Methylnaphthalene	142				Compound Not Detected.		
67 Hexachlorocyclopentadiene	236				Compound Not Detected.		
69 2,4,6-Trichlorophenol	196				Compound Not Detected.		
70 2,4,5-Trichlorophenol	196				Compound Not Detected.		
73 2-Chloronaphthalene	162				Compound Not Detected.		
77 2-Nitroaniline	65				Compound Not Detected		
80 Dimethylphthalate	163				Compound Not Detected		
82 2,6-Dinitrotoluene	165				Compound Not Detected		
83 Acenaphthylene	152				Compound Not Detected		
85 3-Nitroaniline	138				Compound Not Detected.		
86 Acenaphthene	153				Compound Not Detected.		
87 2,4-Dinitrophenol	184				Compound Not Detected		
89 4-Nitrophenol	109				Compound Not Detected.		
90 Dibenzofuran	168				Compound Not Detected		
91 2,4-Dinitrotoluene	165				Compound Not Detected.		
95 2,3,5,6-Tetrachlorophenol	231				Compound Not Detected.		
92 2,3,4,6-Tetrachlorophenol	231				Compound Not Detected.		
96 2-Naphthylamine	143				Compound Not Detected		
97 Diethylphthalate	149				Compound Not Detected.		
98 Fluorene	166				Compound Not Detected.		
99 4-Chlorophenyl-phenylether	204				Compound Not Detected.		
100 4-Nitroaniline	138				Compound Not Detected.		
102 4,6-Dinitro-2-methylphenol	198				Compound Not Detected		
103 N-Nitrosodiphenylamine (1)	169				Compound Not Detected.		
104 1,2-Diphenylhydrazine	77				Compound Not Detected.		

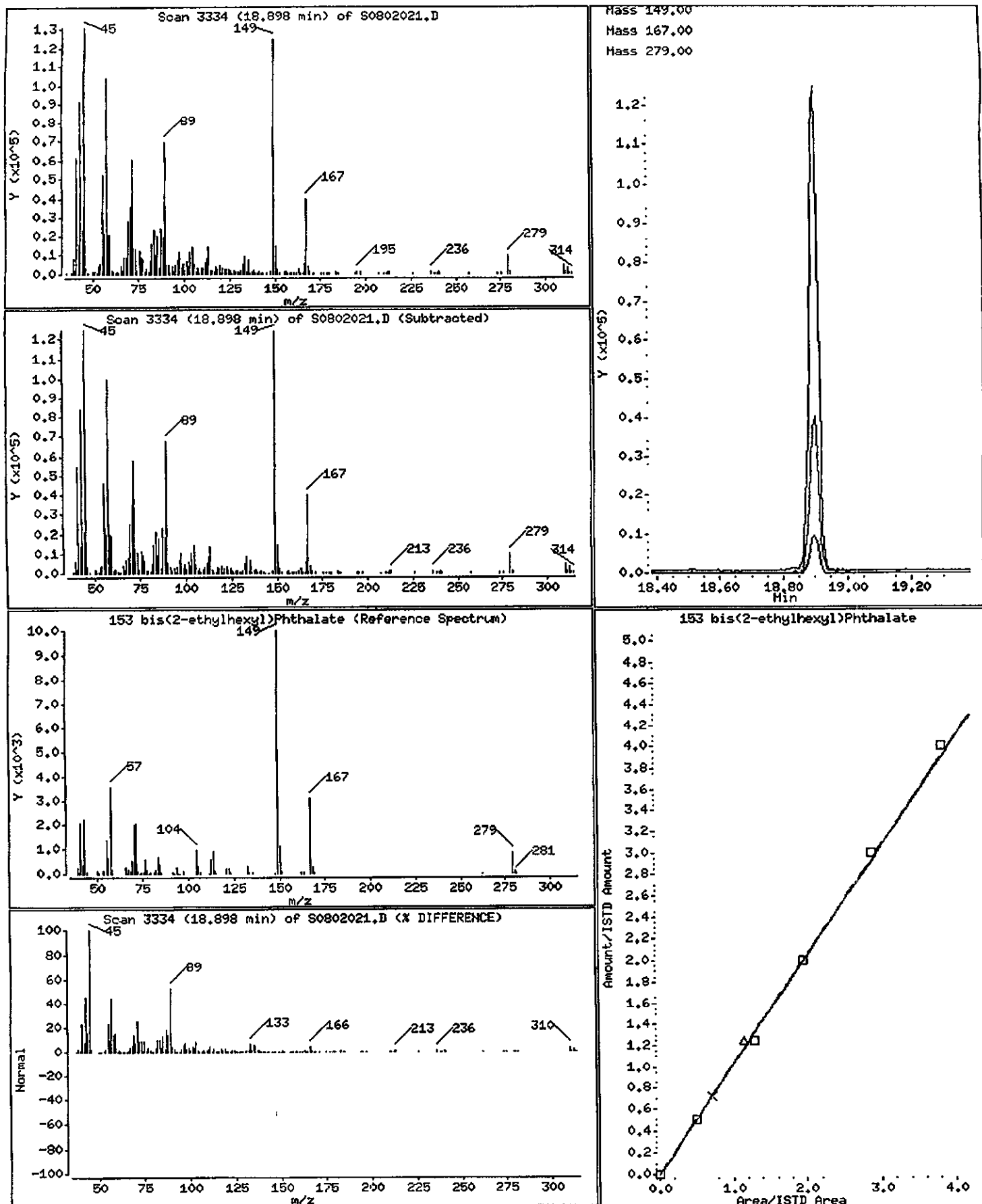
666 207

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
112 4-Bromophenyl-phenylether	248		Compound Not Detected				
113 Hexachlorobenzene	283		Compound Not Detected.				
117 Pentachlorophenol	265		Compound Not Detected.				
122 Phenanthrene	178		Compound Not Detected.				
123 Anthracene	178		Compound Not Detected.				
126 Carbazole	167		Compound Not Detected.				
130 Di-n-Butylphthalate	149		Compound Not Detected.				
135 Fluoranthene	202		Compound Not Detected.				
136 Benzidine	184		Compound Not Detected				
137 Pyrene	202		Compound Not Detected.				
144 Butylbenzylphthalate	149		Compound Not Detected.				
149 3,3'-Dichlorobenzidine	252		Compound Not Detected.				
150 Benzo(a)Anthracene	228		Compound Not Detected				
151 Chrysene	228		Compound Not Detected				
153 bis(2-ethylhexyl)Phthalate	149	18.898	18.885 (1.028)		234777	28.8480	28.848
155 Di-n-octylphthalate	149		Compound Not Detected				
157 Benzo(b)fluoranthene	252		Compound Not Detected.				
158 Benzo(k)fluoranthene	252		Compound Not Detected.				
159 7,12-dimethylbenz[a]anthracen	256		Compound Not Detected.				
167 Benzo(a)pyrene	252		Compound Not Detected.				
169 Indeno(1,2,3-cd)pyrene	276		Compound Not Detected.				
170 Dibenz(a,h)anthracene	278		Compound Not Detected				
171 Benzo(g,h,i)perylene	276		Compound Not Detected				
\$ 172 Nitrobenzene-d5	82	5.083	5.076 (0.866)		122104	41.7392	41.739
\$ 173 2-Fluorobiphenyl	172	7.476	7.474 (0.861)		39523	8.44439	8.4444 (aR)
\$ 174 Terphenyl-d14	244	15.874	15.867 (0.864)		60950	9.14319	9 1432 (a)
\$ 175 Phenol-d5	99	4.281	4.237 (0.957)		18273	6.54100	6 5410 (aR)
\$ 176 2-Fluorophenol	112	3 218	3.174 (0 719)		1534	0.73150	0.73150 (aRM)
\$ 177 2,4,6-Tribromophenol	329		Compound Not Detected.				
\$ 178 2-Chlorophenol-d4	132		Compound Not Detected.				
\$ 179 1,2-Dichlorobenzene-d4	152	4.682	4.659 (1 047)		53803	39.6705	39.670

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

153 bis(2-ethylhexyl)Phthalate



Data File Name: S0802021.D

Inj. Date and Time 02-AUG-2000 14 37

Instrument ID 71.i

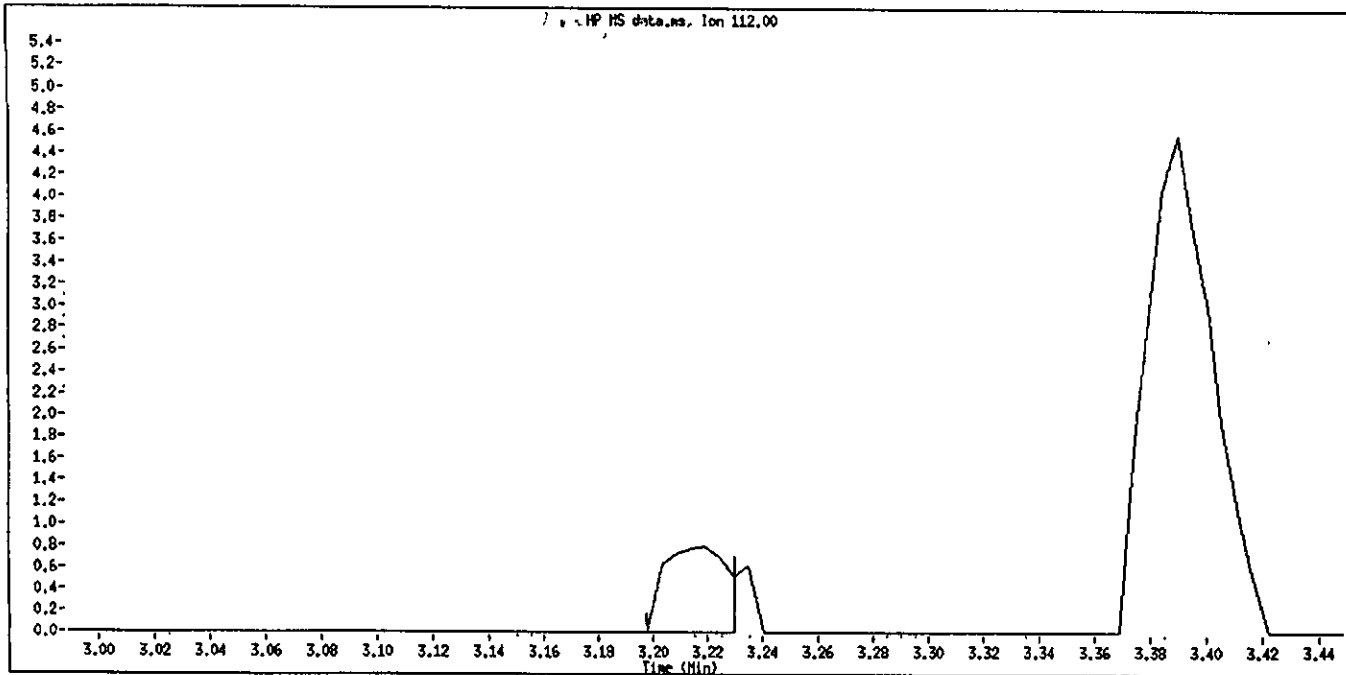
Client ID: DF/S1/0208/IDW/002

Compound Name: 2-Fluorophenol

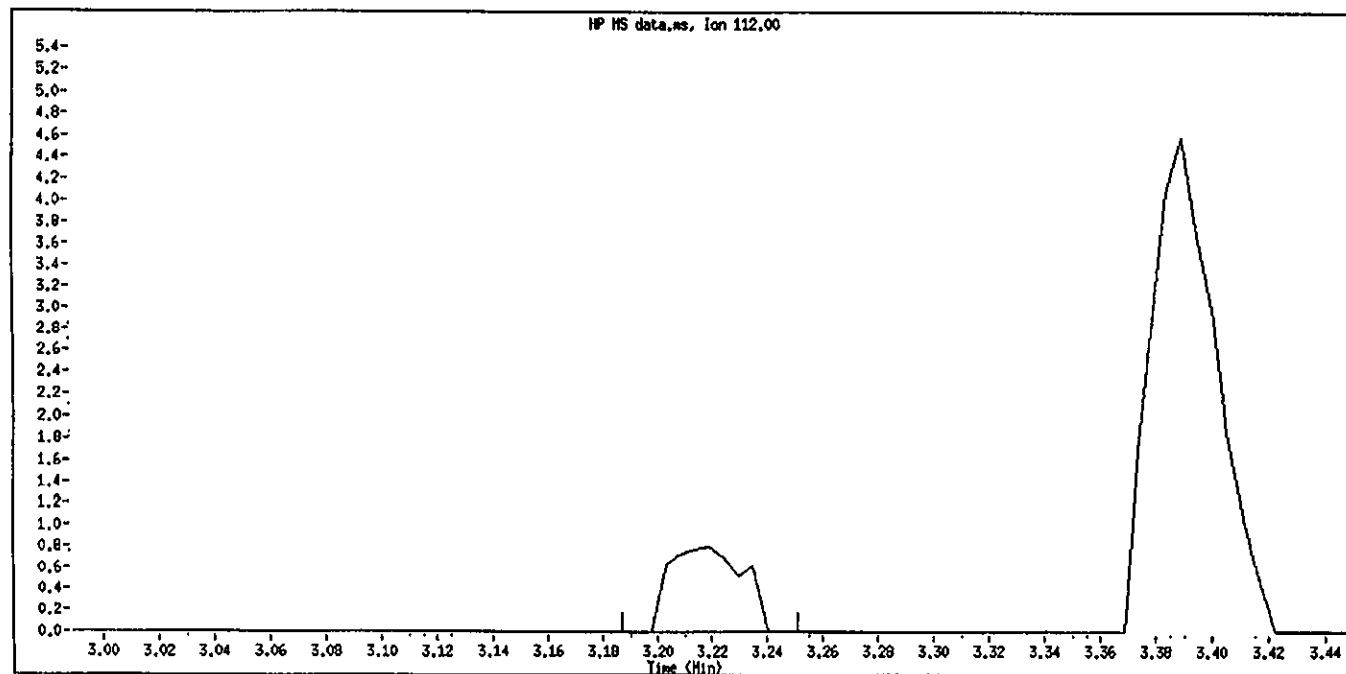
CAS # 367-12-4

Report Date 08/02/2000

666 209



Original Integration



Manual Integration

Manually Integrated By: BachaS

Manual Integration Reason: Poor Chromatography

666 210

**GC/MS SEMIVOLATILE
CALIBRATION DATA**

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH

Contract:

666 211

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.:

Instrument ID: 71

Calibration Date(s): 08/03/00 08/03/00

Calibration Time(s): 1512 1720

LAB FILE ID:		RRF20 =S0803CC1	RRF50 =S0803CC2				
RRF80 =S0803CC3		RRF120=S0803CC4	RRF160=S0803CC5				
COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
=====	=====	=====	=====	=====	=====	=====	=====
Phenol	1.834	1.828	1.883	1.928	1.978	1.890	3.4
bis(2-Chloroethyl) ether	1.470	1.486	1.524	1.535	1.576	1.518	2.8
2-Chlorophenol	1.415	1.384	1.395	1.380	1.392	1.393	1.0
1,3-Dichlorobenzene	1.554	1.566	1.557	1.486	1.512	1.535	2.3
1,4-Dichlorobenzene	1.588	1.584	1.589	1.543	1.567	1.574	1.2
1,2-Dichlorobenzene	1.501	1.470	1.497	1.489	1.520	1.495	1.2
2-Methylphenol	1.292	1.293	1.317	1.316	1.340	1.312	1.5
2,2'-oxybis(1-Chloropropane)	2.272	2.295	2.215	2.201	2.208	2.238	1.9
4-Methylphenol	1.389	1.378	1.414	1.459	1.476	1.423	3.0
Hexachloroethane	0.675	0.672	0.688	0.677	0.689	0.680	1.1
Nitrobenzene	0.494	0.499	0.514	0.510	0.510	0.505	1.7
Isophorone	0.769	0.760	0.786	0.806	0.800	0.784	2.5
2-Nitrophenol	0.198	0.193	0.208	0.204	0.204	0.201	2.9
2,4-Dimethylphenol	0.369	0.394	0.409	0.416	0.417	0.401	5.0
bis(2-Chloroethoxy)methane	0.436	0.436	0.451	0.452	0.453	0.446	2.0
N-Nitroso-di-n-propylamine	1.236	1.243	1.273	1.354	1.380	1.297	5.1*
2,4-Dichlorophenol	0.285	0.284	0.296	0.298	0.299	0.292	2.4
1,2,4-Trichlorobenzene	0.308	0.308	0.310	0.306	0.308	0.308	0.5
Naphthalene	1.092	1.083	1.101	1.090	1.096	1.092	0.6
4-Chloroaniline	0.418	0.420	0.430	0.434	0.434	0.427	1.7
Hexachlorobutadiene	0.180	0.178	0.186	0.181	0.181	0.181	1.6
4-Chloro-3-Methylphenol	0.333	0.333	0.357	0.370	0.370	0.353	5.3
2-Methylnaphthalene	0.727	0.709	0.731	0.740	0.745	0.730	1.9
Hexachlorocyclopentadiene	0.309	0.334	0.368	0.358	0.370	0.348	7.5*
2,4,6-Trichlorophenol	0.346	0.348	0.359	0.350	0.354	0.351	1.5
2,4,5-Trichlorophenol	0.368	0.364	0.384	0.373	0.381	0.374	2.2
2-Chloronaphthalene	1.143	1.132	1.160	1.143	1.180	1.152	1.6
2-Nitroaniline	0.493	0.491	0.520	0.519	0.524	0.509	3.1
Dimethylphthalate	1.358	1.356	1.399	1.383	1.392	1.378	1.4
Acenaphthylene	1.866	1.830	1.894	1.852	1.866	1.862	1.2
2,6-Dinitrotoluene	0.298	0.295	0.315	0.311	0.314	0.307	3.1
3-Nitroaniline	0.356	0.356	0.383	0.376	0.388	0.372	4.0
Acenaphthene	1.189	1.166	1.191	1.170	1.183	1.180	1.0
2,4-Dinitrophenol	0.069	0.103	0.169	0.170	0.188	0.140	36.5*
4-Nitrophenol	0.267	0.279	0.318	0.316	0.326	0.301	8.7*
Dibenzofuran	1.642	1.636	1.665	1.623	1.639	1.641	0.9
2,4-Dinitrotoluene	0.417	0.411	0.447	0.440	0.442	0.431	3.7

RRF and maximim %RSD values.

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

666 212

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.:

Instrument ID: 71

Calibration Date(s): 08/03/00 08/03/00

Calibration Time(s): 1512 1720

LAB FILE ID:		RRF20 =S0803CC1		RRF50 =S0803CC2		RRF80 =S0803CC3		RRF120=S0803CC4		RRF160=S0803CC5			
RRF80 =S0803CC3		RRF120=S0803CC4		RRF160=S0803CC5									
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD					
=====		=====	=====	=====	=====	=====	=====	=====					
Diethylphthalate		1.440	1.436	1.528	1.496	1.536	1.487	3.2					
4-Chlorophenyl-phenylether		0.608	0.612	0.629	0.619	0.623	0.618	1.4					
Fluorene		1.350	1.343	1.394	1.360	1.390	1.367	1.7					
4-Nitroaniline		0.358	0.361	0.405	0.393	0.400	0.383	5.8					
4,6-Dinitro-2-methylphenol		0.126	0.129	0.151	0.145	0.149	0.140	8.2					
N-Nitrosodiphenylamine (1)		0.558	0.505	0.536	0.543	0.544	0.537	3.7					
4-Bromophenyl-phenylether		0.190	0.190	0.192	0.188	0.194	0.191	1.2					
Hexachlorobenzene		0.203	0.202	0.206	0.202	0.208	0.204	1.3					
Pentachlorophenol		0.072	0.084	0.108	0.113	0.121	0.100	20.9					
Phenanthrene		1.052	1.035	1.069	1.030	1.058	1.049	1.5					
Anthracene		1.088	1.079	1.109	1.077	1.099	1.090	1.2					
Carbazole		1.044	1.034	1.084	1.037	1.068	1.053	2.1					
Di-n-Butylphthalate		1.352	1.343	1.423	1.380	1.402	1.380	2.4					
Fluoranthene		1.175	1.162	1.241	1.182	1.214	1.195	2.7					
Pyrene		1.041	1.036	1.050	1.037	1.041	1.041	0.5					
Butylbenzylphthalate		0.587	0.596	0.621	0.612	0.624	0.608	2.6					
3,3'-Dichlorobenzidine		0.459	0.481	0.495	0.501	0.515	0.490	4.3					
Benzo(a)Anthracene		1.096	1.105	1.135	1.106	1.125	1.113	1.4					
Chrysene		1.030	1.042	1.069	1.056	1.098	1.059	2.5					
bis(2-ethylhexyl)Phthalate		0.873	0.887	0.914	0.893	0.915	0.896	2.0					
Di-n-octylphthalate		1.427	1.422	1.438	1.352	1.308	1.389	4.1					
Benzo(b)fluoranthene		1.065	1.132	1.208	1.303	1.354	1.212	9.8					
Benzo(k)fluoranthene		1.163	1.140	1.143	0.980	0.933	1.072	10.0					
Benzo(a)pyrene		1.042	1.082	1.100	1.088	1.098	1.082	2.2					
Indeno(1,2,3-cd)pyrene		1.217	1.297	1.418	1.718	1.834	1.497	17.9					
Dibenz(a,h)anthracene		1.291	1.346	1.419	1.675	1.776	1.501	14.2					
Benzo(g,h,i)perylene		1.297	1.352	1.422	1.662	1.685	1.484	12.1					
Pyridine		1.541	1.400	1.493	1.456	1.471	1.472	3.5					
N-Nitrosodimethylamine		0.826	0.850	0.858	0.844	0.851	0.846	1.5					
Aniline		2.332	1.950	2.223	2.176	2.180	2.172	6.4					
Benzyl Alcohol		1.012	1.017	1.034	1.084	1.098	1.049	3.8					
Benzoic Acid		0.093	0.135	0.181	0.206	0.215	0.166	30.8					
1-Methylnaphthalene		0.684	0.679	0.673	0.691	0.684	0.682	1.0					
2,3,4,6-Tetrachlorophenol		0.285	0.286	0.306	0.293	0.303	0.295	3.3					
2,3,5,6-Tetrachlorophenol		0.261	0.276	0.291	0.294	0.302	0.285	5.7					
1,2-Diphenylhydrazine		1.000	1.028	1.084	1.086	1.107	1.061	4.2					
Benzidine		0.606	0.470	0.585	0.520	0.514	0.539	10.3					

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH

Contract:

666 213

Lab Code: STLPT Case No. 111

SAS No. :

SDG No. :

Instrument ID: 71

Calibration Date(s): 08/03/00 08/03/00

Calibration Time(s): 1512 1720

[illegible]

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

666 214

INITIAL CALIBRATION REPORT

Instrument ID: 71.i
Lab File ID: S0803CC2.D
Analysis Type: NONE

Injection Date: 03-AUG-2000 15:12
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080300.b\

COMPOUND	%RSD
-----	-----
Benzo(b)fluoranthene	9.8
Benzo(k)fluoranthene	10.0
1,17-dimethylbenz[a]anthracen	5.4
Benzo(a)pyrene	2.2
Indeno(1,2,3-cd)pyrene	17.9
Dibenz(a,h)anthracene	14.2
Benzo(g,h,i)perylene	12.1

The average of all %RSD's in the initial calibration is 4.8

666 215

INITIAL CALIBRATION REPORT

Instrument ID: 71.i
Lab File ID: S0803CC2.D
Analysis Type: NONE

Injection Date: 03-AUG-2000 15:12

Lab Sample ID: sstd50

Method File: \\QPITPA02\D\chem\71.i\s080300.b\8270clp

COMPOUND	%RSD
N-Nitrosodimethylamine	1.5
Pyridine	3.5
Methyl methanesulfonate	19.8
2-Fluorophenol	2.0
Aniline	6.4
Phenol-d5	1.7
Phenol	3.4
bis(2-Chloroethyl) ether	2.8
2-Chlorophenol-d4	1.5
2-Chlorophenol	1.0
1,3-Dichlorobenzene	2.3
1,4-Dichlorobenzene	1.2
1,2-Dichlorobenzene-d4	1.2
1,2-Dichlorobenzene	1.2
Benzyl Alcohol	3.8
2,2'-oxybis(1-Chloropropane)	1.9
2-Methylphenol	1.5
N-Nitroso-di-n-propylamine	5.1
Hexachloroethane	1.1
4-Methylphenol	3.0
Nitrobenzene d5	2.3
Nitrobenzene	1.7
Isophorone	2.5
2-Nitrophenol	2.9
2,4-Dimethylphenol	5.0
bis(2-Chloroethoxy)methane	2.0
Benzoic Acid	30.8
2,4-Dichlorophenol	2.4
1,2,4-Trichlorobenzene	0.5
Naphthalene	0.6
4-Chloroaniline	1.7
Hexachlorobutadiene	1.6
4-Chloro-3-Methylphenol	5.3
2-Methylnaphthalene	1.9
1-Methylnaphthalene	1.0
Hexachlorocyclopentadiene	7.5
2,4,6-Trichlorophenol	1.5
2,4,5-Trichlorophenol	2.2
2-Fluorobiphenyl	1.6

666 216

INITIAL CALIBRATION REPORT

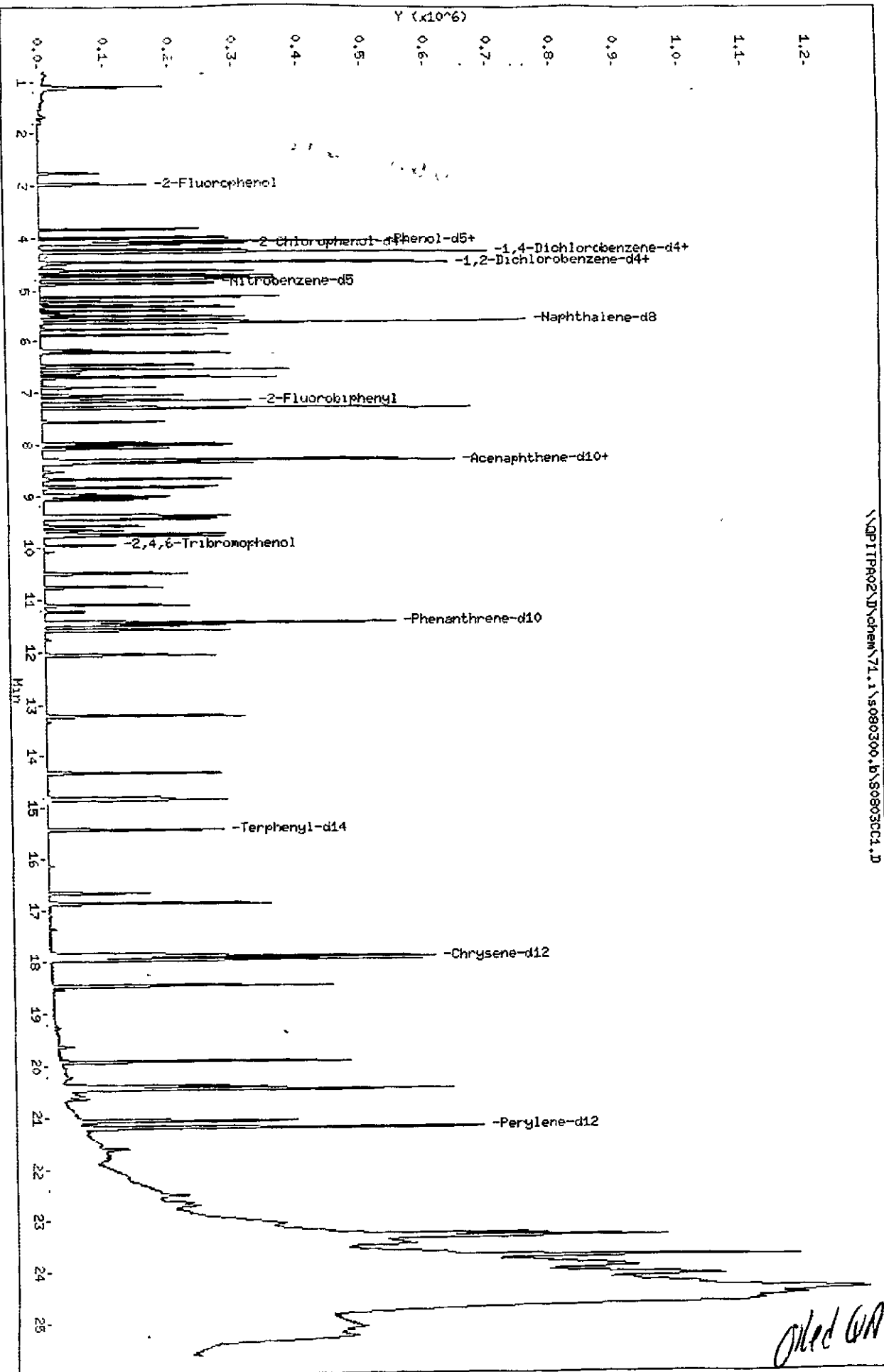
Instrument ID: 71.i
Lab File ID: S0803CC2.D
Analysis Type: NONE

Injection Date: 03-AUG-2000 15:12
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080300.b\

COMPOUND	%RSD
2-Chloronaphthalene	1.6
2-Nitroaniline	3.1
Dimethylphthalate	1.4
Acenaphthylene	1.2
2,6-Dinitrotoluene	3.1
3-Nitroaniline	4.0
Acenaphthene	1.0
2,4-Dinitrophenol	36.5
Dibenzofuran	0.9
4-Nitrophenol	8.7
2,4-Dinitrotoluene	3.7
2,3,5,6-Tetrachlorophenol	5.7
2-Naphthylamine	26.9
2,3,4,6-Tetrachlorophenol	3.3
Fluorene	1.7
Diethylphthalate	3.2
4-Chlorophenyl-phenylether	1.4
4-Nitroaniline	5.8
4,6-Dinitro-2-methylphenol	8.2
N-Nitrosodiphenylamine (1)	3.7
1,2-Diphenylhydrazine	4.2
2,4,6-Tribromophenol	4.2
4-Bromophenyl-phenylether	1.2
Hexachlorobenzene	1.3
Pentachlorophenol	20.9
Phenanthrene	1.5
Anthracene	1.2
Carbazole	2.1
Di-n-Butylphthalate	2.4
Fluoranthene	2.7
Benzidine	10.3
Pyrene	0.5
Terphenyl-d14	1.3
Butylbenzylphthalate	2.6
Benzo(a)Anthracene	1.4
Chrysene	2.5
3,3'-Dichlorobenzidine	4.3
bis(2-ethylhexyl)Phthalate	2.0
Di-n-octylphthalate	4.1

Data File: \\NPITPRO2\Jchem\71.1\5080300.b\5080300CCL.D
 Date: 03-AUG-2000 15:14
 Client ID: sstd20
 Sample Info: sstd20(10 ug/ml) 194-175-11 8270/cip
 Column phase: Hp5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080300.b\S0803CC1.D
Lab Smp Id: sstd20 Client Smp ID: sstd20
Inj Date : 03-AUG-2000 15:44
Operator : 045183 Inst ID: 71.i
Smp Info : sstd20(10 ug/ml) 194-175-11 8270/clp
Misc Info : sstd20,s080300.b,8270clp.m,1-82701.sub,1,1
Comment :
Method : \\QPITPA02\D\chem\71.i\s080300.b\8270clp.m
Meth Date : 04-Aug-2000 10:15 bachas Quant Type: ISTD
Cal Date : 03-AUG-2000 15:44 Cal File: S0803CC1.D
Als bottle: 95 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

Sy/yk

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
*****	****	==	*****	*****	*****	*****	*****
* 1 1,4-Dichlorobenzene-d4	152	4.262	4.262	(1.000)	94161	40.0000	
* 2 Naphthalene-d8	136	5.608	5.608	(1.000)	368087	40.0000	
* 3 Acenaphthene-d10	164	8.306	8.306	(1.000)	205920	40.0000	
* 4 Phenanthrene-d10	188	11.426	11.426	(1.000)	384675	40.0000	
* 5 Chrysene-d12	240	17.901	17.901	(1.000)	451852	40.0000	
* 6 Perylene-d12	264	21.202	21.202	(1.000)	537192	40.0000	
13 N-Nitrosodimethylamine	74	1.084	1.084	(0.254)	38870	20.0000	19.708
10 Pyridine	79	1.089	1.089	(0.256)	72537	20.0000	20.953 (M)
19 Methyl methanesulfonate	80	2.745	2.745	(0.644)	47575	20.0000	25.406
22 Aniline	93	3.990	3.990	(0.936)	109774	20.0000	21.785
23 Phenol	94	4.059	4.059	(0.952)	86342	20.0000	20.031
24 bis(2-Chloroethyl)ether	93	4.065	4.065	(0.954)	69199	20.0000	19.893
25 2-Chlorophenol	128	4.107	4.107	(0.964)	66601	20.0000	20.217
27 1,3-Dichlorobenzene	146	4.225	4.225	(0.991)	73188	20.0000	19.923
28 1,4-Dichlorobenzene	146	4.278	4.278	(1.004)	74788	20.0000	20.025
29 1,2-Dichlorobenzene	146	4.465	4.465	(1.048)	70658	20.0000	20.205
30 Benzyl Alcohol	108	4.465	4.465	(1.048)	47666	20.0000	19.953
31 2-Methylphenol	108	4.636	4.636	(1.088)	60853	20.0000	19.996
32 2,2'-oxybis(1-Chloropropane)	45	4.609	4.609	(1.081)	106964	20.0000	19.901
33 N-Nitroso-di-n-propylamine	70	4.748	4.748	(1.114)	58173	20.0000	19.938
35 4-Methylphenol	108	4.780	4.780	(1.122)	65411	20.0000	20.079
38 Hexachloroethane	117	4.764	4.764	(1.118)	31799	20.0000	20.055
39 Nitrobenzene	77	4.877	4.877	(0.870)	90854	20.0000	19.892
44 Isophorone	82	5.122	5.122	(0.913)	141544	20.0000	20.120
45 2-Nitrophenol	139	5.213	5.213	(0.930)	36409	20.0000	20.230
46 2,4-Dimethylphenol	107	5.315	5.315	(0.948)	67948	20.0000	19.344

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Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
47 bis (2-Chloroethoxy) methane	93	5.395	5.395	(0.962)	80242	20.0000	19.993
51 2,4-Dichlorophenol	162	5.502	5.502	(0.981)	52543	20.0000	20.033
52 Benzoic Acid	122	5.459	5.459	(0.973)	17191	20.0000	16.342 (H)
53 1,2,4-Trichlorobenzene	180	5.566	5.566	(0.992)	56737	20.0000	20.017
54 Naphthalene	128	5.635	5.635	(1.005)	200955	20.0000	20.078
55 4-Chloroaniline	127	5.753	5.753	(1.026)	77020	20.0000	19.953
59 Hexachlorobutadiene	225	5.865	5.865	(1.046)	33215	20.0000	20.144
62 4-Chloro-3-Methylphenol	107	6.452	6.452	(1.150)	61296	20.0000	20.006
65 2-Methylnaphthalene	142	6.543	6.543	(1.167)	133759	20.0000	20.246
66 1-Methylnaphthalene	142	6.698	6.698	(1.194)	125930	20.0000	20.081
67 Hexachlorocyclopentadiene	237	6.885	6.885	(0.829)	31844	20.0000	19.232
69 2,4,6-Trichlorophenol	196	7.051	7.051	(0.849)	35672	20.0000	19.960
70 2,4,5-Trichlorophenol	196	7.126	7.126	(0.858)	37925	20.0000	20.115
73 2-Chloronaphthalene	162	7.286	7.286	(0.877)	117670	20.0000	20.092
77 2-Nitroaniline	65	7.558	7.558	(0.910)	50795	20.0000	20.048
80 Dimethylphthalate	163	7.970	7.970	(0.959)	139772	20.0000	20.011
82 2,6-Dinitrotoluene	165	8.076	8.076	(0.972)	30648	20.0000	20.079
83 Acenaphthylene	152	8.012	8.012	(0.965)	192148	20.0000	20.197
84 3-Nitroaniline	138	8.328	8.328	(1.003)	36609	20.0000	19.975
86 Acenaphthene	153	8.365	8.365	(1.007)	122452	20.0000	20.202
87 2,4-Dinitrophenol	184	8.531	8.531	(1.027)	7102	20.0000	16.013
89 4-Nitrophenol	109	8.819	8.819	(1.062)	27534	20.0000	19.564
90 Dibenzofuran	168	8.680	8.680	(1.045)	169111	20.0000	20.038
91 2,4-Dinitrotoluene	165	8.830	8.830	(1.063)	42940	20.0000	20.140
95 2,3,5,6-Tetrachlorophenol	232	8.979	8.979	(1.081)	26856	20.0000	19.432
97 2,3,4,6-Tetrachlorophenol	232	9.070	9.070	(1.092)	29384	20.0000	19.968
96 2-Naphthylamine	143	9.017	9.017	(1.086)	111022	20.0000	19.926
97 Diethylphthalate	149	9.407	9.407	(1.132)	148316	20.0000	20.030
98 Fluorene	166	9.375	9.375	(1.129)	139002	20.0000	20.054
99 4-Chlorophenyl-phenylether	204	9.439	9.439	(1.136)	62601	20.0000	19.929
100 4-Nitroaniline	138	9.578	9.578	(1.153)	36843	20.0000	19.916
102 4,6-Dinitro-2-methylphenol	198	9.668	9.668	(0.846)	24301	20.0000	19.773
103 N-Nitrosodiphenylamine (1)	169	9.727	9.727	(0.851)	107414	20.0000	20.997
104 1,2-Diphenylhydrazine	77	9.770	9.770	(0.855)	192414	20.0000	19.730
112 4-Bromophenyl-phenylether	248	10.486	10.486	(0.918)	36576	20.0000	20.023
113 Hexachlorobenzene	284	10.748	10.748	(0.941)	39075	20.0000	20.064
117 Pentachlorophenol	266	11.218	11.218	(0.982)	13783	20.0000	18.389
122 Phenanthrene	178	11.474	11.474	(1.004)	202398	20.0000	20.162
123 Anthracene	178	11.576	11.576	(1.013)	209232	20.0000	20.083
176 Carbazole	167	12.046	12.046	(1.054)	200774	20.0000	20.097
130 Di n-Butylphthalate	149	13.216	13.216	(1.157)	260062	20.0000	20.067
135 Fluoranthene	202	14.321	14.321	(1.253)	226023	20.0000	20.113
136 Benzidine	184	14.802	14.802	(0.827)	136849	20.0000	22.532
137 Pyrene	202	14.834	14.834	(0.829)	235204	20.0000	20.050
144 Butylbenzylphthalate	149	16.864	16.864	(0.942)	132583	20.0000	19.843
149 3,3'-Dichlorobenzidine	252	17.959	17.959	(1.003)	103805	20.0000	19.548
150 Benzo(a)Anthracene	228	17.853	17.853	(0.997)	247527	20.0000	19.918

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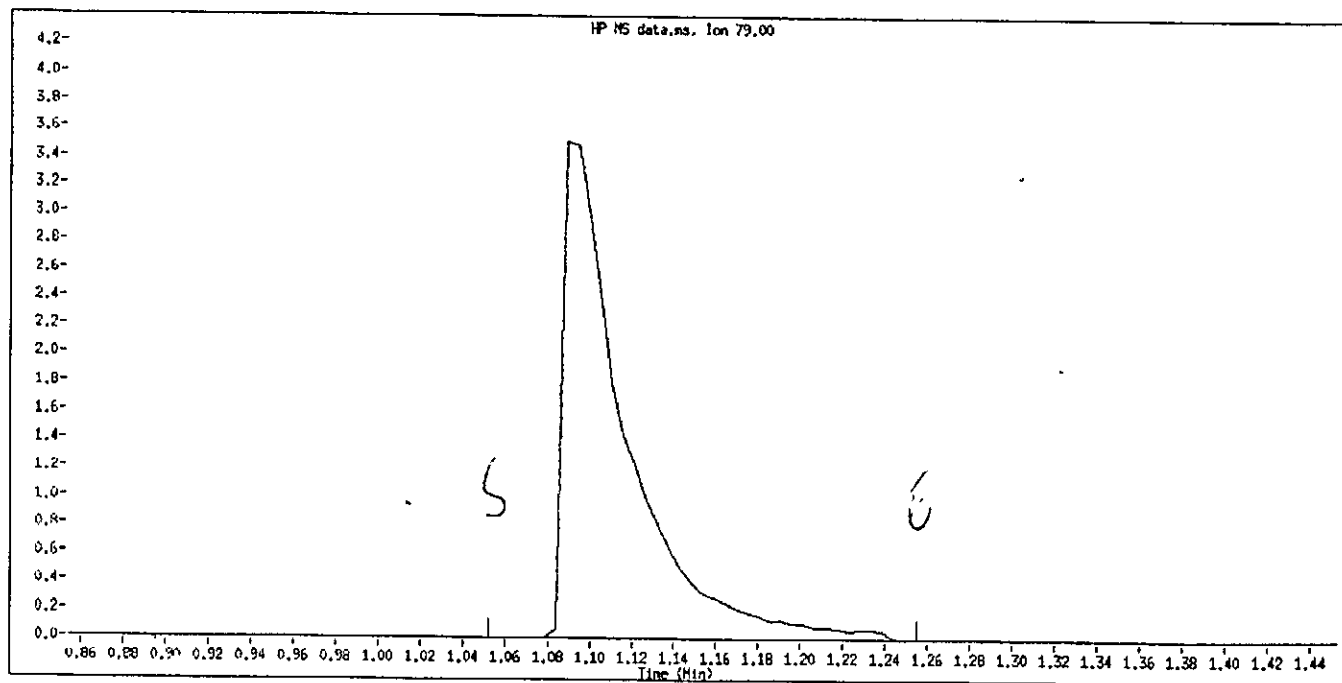
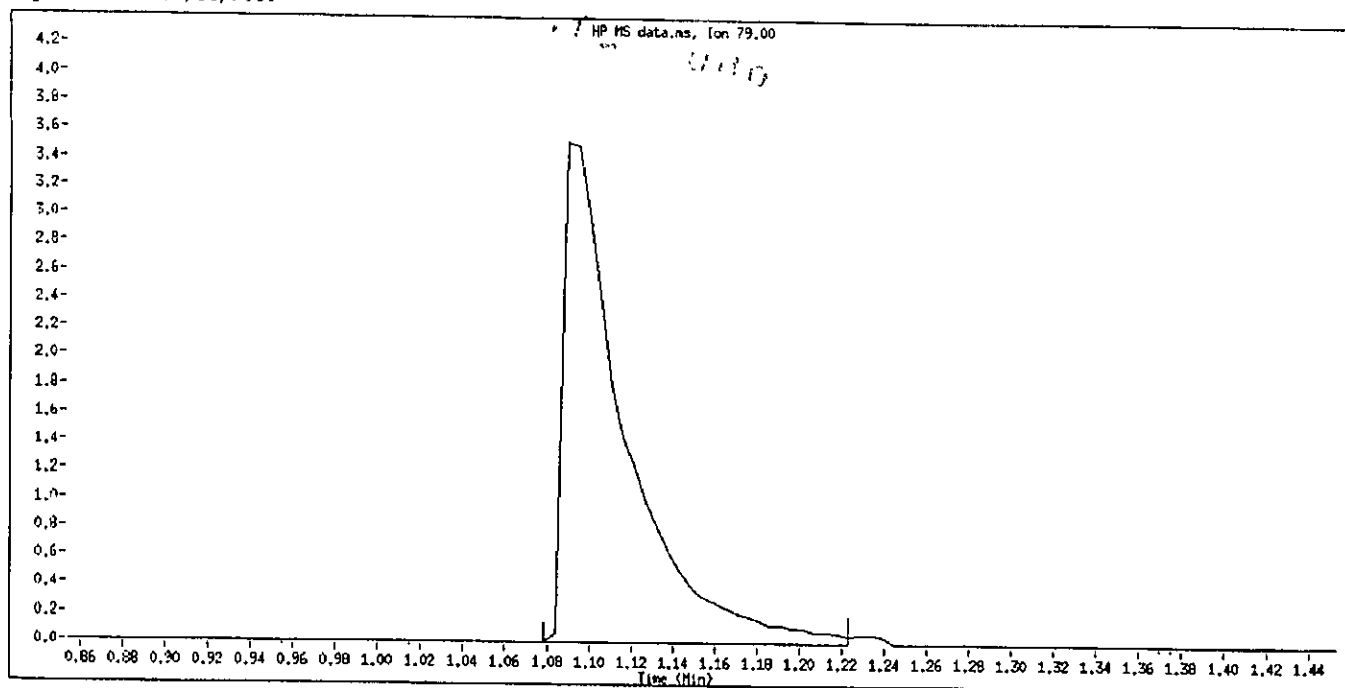
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
	=====	==	=====	=====	=====	=====	=====
151 Chrysene	228	17.954	17.954	(1.003)	232802	20.0000	19.888
153 bis(2-ethylhexyl)Phthalate	149	18.462	18.462	(1.031)	197294	20.0000	19.840
155 Di-n-octylphthalate	149	19.915	19.915	(0.939)	383420	20.0000	20.037
157 Benzo(b)fluoranthene	252	20.390	20.390	(0.962)	286102	20.0000	19.394 (H)
158 Benzo(k)fluoranthene	252	20.449	20.449	(0.964)	312492	20.0000	20.203
159 7,12-dimethylbenz[a]anthracene	256	20.460	20.460	(0.965)	126026	20.0000	18.741
167 Benzo(a)pyrene	252	21.063	21.063	(0.993)	279895	20.0000	19.622
169 Indeno(1,2,3-cd)pyrene	276	23.280	23.280	(1.098)	326996	20.0000	19.364 (H)
170 Dibenzo(a,h)anthracene	278	23.334	23.334	(1.101)	346752	20.0000	19.585
171 Benzo(g,n,i)perylene	276	23.729	23.729	(1.119)	348324	20.0000	19.583
\$ 172 Nitrobenzene-d5	82	4.855	4.855	(0.866)	83668	20.0000	19.607
\$ 173 2-Fluorobiphenyl	172	7.158	7.158	(0.862)	130043	20.0000	19.719
\$ 174 Terphenyl-d14	244	15.427	15.427	(0.862)	183150	20.0000	19.758
\$ 175 Phenol-d5	99	4.049	4.049	(0.950)	83279	20.0000	20.102
\$ 176 2-Fluorophenol	112	2.964	2.964	(0.695)	60786	20.0000	19.882
\$ 177 2,4,6-Tribromophenol	330	9.952	9.952	(0.871)	19740	20.0000	19.926
\$ 178 2-Chlorophenol-d4	132	4.091	4.091	(0.960)	59855	20.0000	20.019
\$ 179 1,2-Dichlorobenzene-d4	152	4.455	4.455	(1.045)	43620	20.0000	19.869 (H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name S0803CC1.D
Inj Date and Time 03-AUG-2007 15:44
Instrument ID 71
Client ID ssld20
Compound Name Pyridine
CAS # 110-86-1
Report Date 08/04/2008

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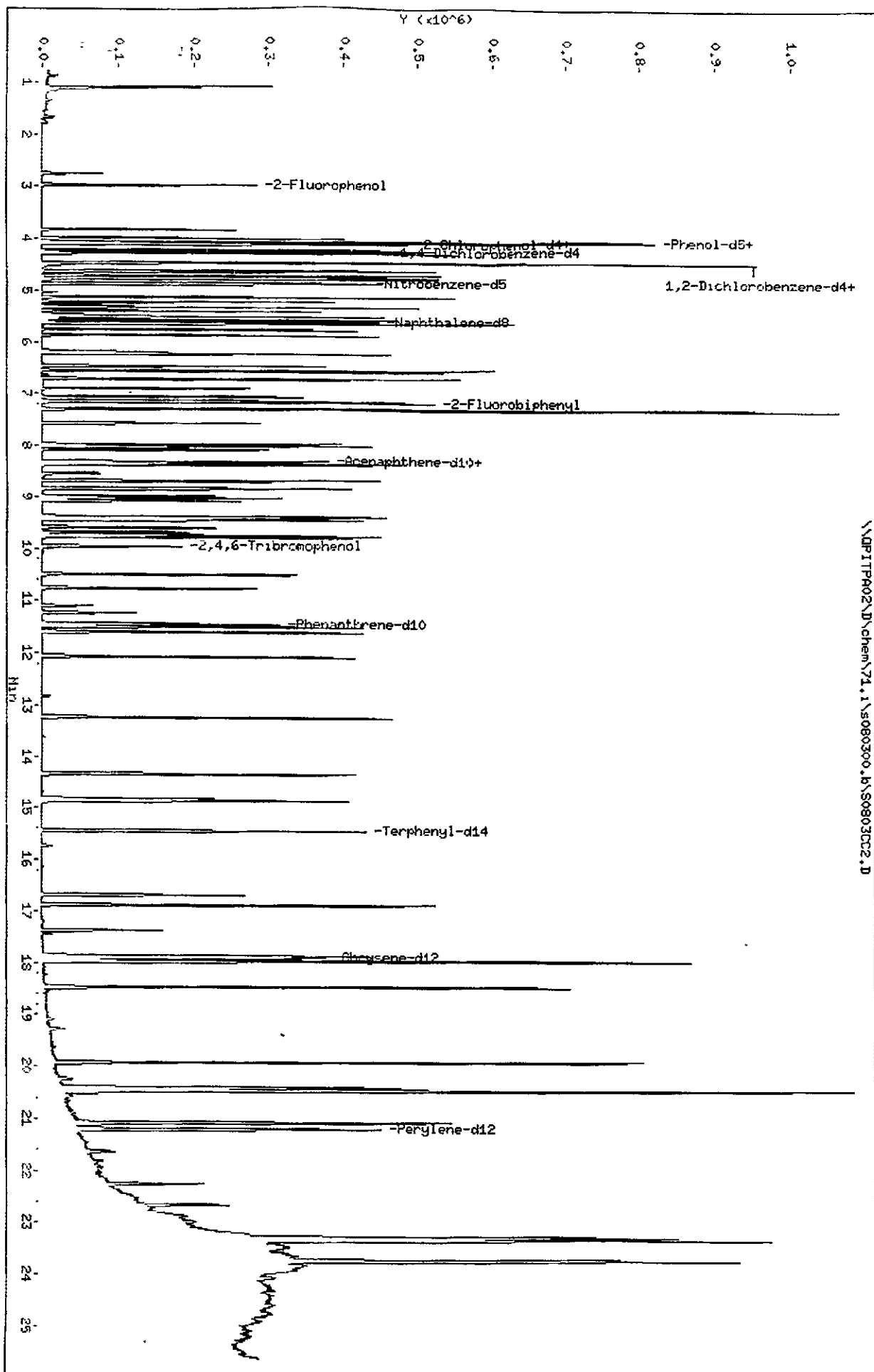


Manually Integrated By: BacnaS
Manual Integration Reason: Poor Chromatography

Data File: \\APIF002\chem\71.1\5080300.b\50803002.D
Date: 03-AUG-2000 15:12
Client ID: sstd50
Sample Info: sstd50(25 ug/ml) 194-182-11 8270/cjp
Column Phase: Hp5-MS

Instrument: 71.1
Operator: 045183
Column diameter: 0.25

\\APIF002\chem\71.1\5080300.b\50803002.D



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080300.b\S0803CC2.D
Lab Smp Id: sstd50 Client Smp ID: sstd50
Inj Date : 03-AUG-2000 15:12
Operator : 045183 Inst ID: 71.i
Smp Info : sstd50(25 ug/ml) 194-182-11 8270/clp
Misc Info : sstd50,s080300.b,8270clp.m,1-82701.sub,1,2
Comment :
Method : \\QPITPA02\D\chem\71.i\s080300.b\8270clp.m
Meth Date : 04-Aug-2000 10:13 bachas Quant Type: ISTD
Cal Date : 03-AUG-2000 15:12 Cal File: S0803CC2.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.271	4.271	(1.000)	57991	40.0000	
* 2 Naphthalene-d8	136	5.617	5.617	(1.000)	224827	40.0000	
* 3 Acenaphthene-d10	164	8.320	8.320	(1.000)	125220	40.0000	
* 4 Phenanthrene-d10	188	11.440	11.440	(1.000)	233369	40.0000	
* 5 Chrysene-d12	240	17.915	17.915	(1.000)	272604	40.0000	
* 6 Perylene-d12	264	21.216	21.216	(1.000)	335497	40.0000	
13 N-Nitrosodimethylamine	74	1.087	1.087	(0.255)	61619	50.0000	50.000
10 Pyridine	79	1.092	1.092	(0.256)	101522	50.0000	50.000 (M)
19 Methyl methanesulfonate	80	2.754	2.754	(0.645)	42075	50.0000	50.000
22 Aniline	93	3.993	3.993	(0.935)	141323	50.0000	50.000
23 Phenol	94	4.068	4.068	(0.952)	132529	50.0000	50.000
24 bis(2-Chloroethyl) ether	93	4.068	4.068	(0.952)	107685	50.0000	50.000
25 2-Chlorophenol	128	4.111	4.111	(0.962)	100341	50.0000	50.000
27 1,3-Dichlorobenzene	146	4.228	4.228	(0.990)	113560	50.0000	50.000
28 1,4-Dichlorobenzene	146	4.287	4.287	(1.004)	114864	50.0000	50.000
29 1,2-Dichlorobenzene	146	4.474	4.474	(1.048)	106584	50.0000	50.000
30 Benzyl Alcohol	108	4.474	4.474	(1.048)	73738	50.0000	50.000 (M)
31 2-Methylphenol	108	4.640	4.640	(1.086)	93727	50.0000	50.000
32 2,2'-oxybis(1-Chloropropane)	45	4.618	4.618	(1.081)	166333	50.0000	50.000
33 N-Nitroso-di-n-propylamine	70	4.757	4.757	(1.114)	90122	50.0000	50.000
35 4-Methylphenol	108	4.789	4.789	(1.121)	99916	50.0000	50.000
38 Hexachloroethane	117	4.768	4.768	(1.116)	48692	50.0000	50.000
39 Nitrobenzene	77	4.880	4.880	(0.869)	140246	50.0000	50.000
44 Isophorone	82	5.131	5.131	(0.913)	213561	50.0000	50.000
45 2-Nitrophenol	139	5.222	5.222	(0.930)	54332	50.0000	50.000
46 2,4-Dimethylphenol	107	5.323	5.323	(0.948)	110791	50.0000	50.000

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Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
47 bis(2-Chloroethoxy)methane	93	5.398	5.398	(0.961)	122615	50.0000	50.000
51 2,4-Dichlorophenol	162	5.510	5.510	(0.981)	79970	50.0000	50.000
52 Benzoic Acid	122	5.494	5.494	(0.978)	38003	50.0000	50.000
53 1,2,4-Trichlorobenzene	180	5.574	5.574	(0.992)	86486	50.0000	50.000
54 Naphthalene	128	5.644	5.644	(1.005)	304473	50.0000	50.000
55 4-Chloroaniline	127	5.761	5.761	(1.026)	118161	50.0000	50.000
59 Hexachlorobutadiene	225	5.874	5.874	(1.046)	49994	50.0000	50.000
62 4-Chloro-3-Methylphenol	107	6.461	6.461	(1.150)	93544	50.0000	50.000
65 2-Methylnaphthalene	147	6.552	6.552	(1.166)	199295	50.0000	50.000
66 1-Methylnaphthalene	142	6.707	6.707	(1.194)	190740	50.0000	50.000
67 Hexachlorocyclopentadiene	237	6.899	6.899	(0.829)	52276	50.0000	50.000
69 2,4,6-Trichlorophenol	196	7.060	7.060	(0.848)	54446	50.0000	50.000
70 2,4,5-Trichlorophenol	196	7.140	7.140	(0.858)	56995	50.0000	50.000
73 2-Chloronaphthalene	162	7.300	7.300	(0.877)	177250	50.0000	50.000
77 2-Nitroaniline	65	7.572	7.572	(0.910)	76848	50.0000	50.000
80 Dimethylphthalate	163	7.984	7.984	(0.960)	212259	50.0000	50.000
82 2,6-Dinitrotoluene	165	8.091	8.091	(0.972)	46224	50.0000	50.000
83 Acenaphthylene	152	8.026	8.026	(0.965)	286418	50.0000	50.000
85 3-Nitroaniline	138	8.342	8.342	(1.003)	55793	50.0000	50.000
86 Acenaphthene	153	8.379	8.379	(1.007)	182436	50.0000	50.000
87 2,4-Dinitrophenol	184	8.545	8.545	(1.027)	16173	50.0000	50.000
89 4-Nitrophenol	109	8.838	8.838	(1.062)	43723	50.0000	50.000
90 Dibenzofuran	168	8.694	8.694	(1.045)	256122	50.0000	50.000
91 2,4-Dinitrotoluene	165	8.849	8.849	(1.064)	64372	50.0000	50.000
95 2,3,5,6-Tetrachlorophenol	232	8.993	8.993	(1.081)	43213	50.0000	50.000
92 2,3,4,6-Tetrachlorophenol	232	9.084	9.084	(1.092)	44814	50.0000	50.000
96 2-Naphthylamine	143	9.036	9.036	(1.086)	170040	50.0000	50.000
97 Diethylphthalate	149	9.421	9.421	(1.132)	224794	50.0000	50.000
98 Fluorene	166	9.394	9.394	(1.129)	210176	50.0000	50.000
99 4-Chlorophenyl-phenylether	204	9.453	9.453	(1.136)	95846	50.0000	50.000
100 4-Nitroaniline	138	9.602	9.602	(1.154)	56481	50.0000	50.000
102 4,6-Dinitro-2-methylphenol	198	9.683	9.683	(0.846)	37704	50.0000	50.000
103 N-Nitrosodiphenylamine (1)	169	9.747	9.747	(0.852)	147435	50.0000	50.000
104 1,2-Diphenylhydrazine	77	9.784	9.784	(0.855)	299821	50.0000	50.000
112 4-Bromophenyl-phenylether	248	10.500	10.500	(0.918)	55345	50.0000	50.000
113 Hexachlorobenzene	284	10.762	10.762	(0.941)	58888	50.0000	50.000
117 Pentachlorophenol	266	11.237	11.237	(0.982)	24566	50.0000	50.000
122 Phenanthrene	178	11.488	11.488	(1.004)	302037	50.0000	50.000
123 Anthracene	178	11.590	11.590	(1.013)	314724	50.0000	50.000
126 Carbazole	167	12.065	12.065	(1.055)	301570	50.0000	50.000
130 Di-n-Butylphthalate	149	13.230	13.230	(1.156)	391779	50.0000	50.000
135 Fluoranthene	202	14.336	14.336	(1.253)	338934	50.0000	50.000
136 Benzidine	184	14.816	14.816	(0.827)	160015	50.0000	50.000
137 Pyrene	202	14.859	14.859	(0.829)	352975	50.0000	50.000
144 Butylbenzylphthalate	149	16.884	16.884	(0.942)	203139	50.0000	50.000
149 3,3'-Dichlorobenzidine	252	17.984	17.984	(1.004)	163799	50.0000	50.000
150 Benzo(a)Anthracene	228	17.877	17.877	(0.998)	376407	50.0000	50.000

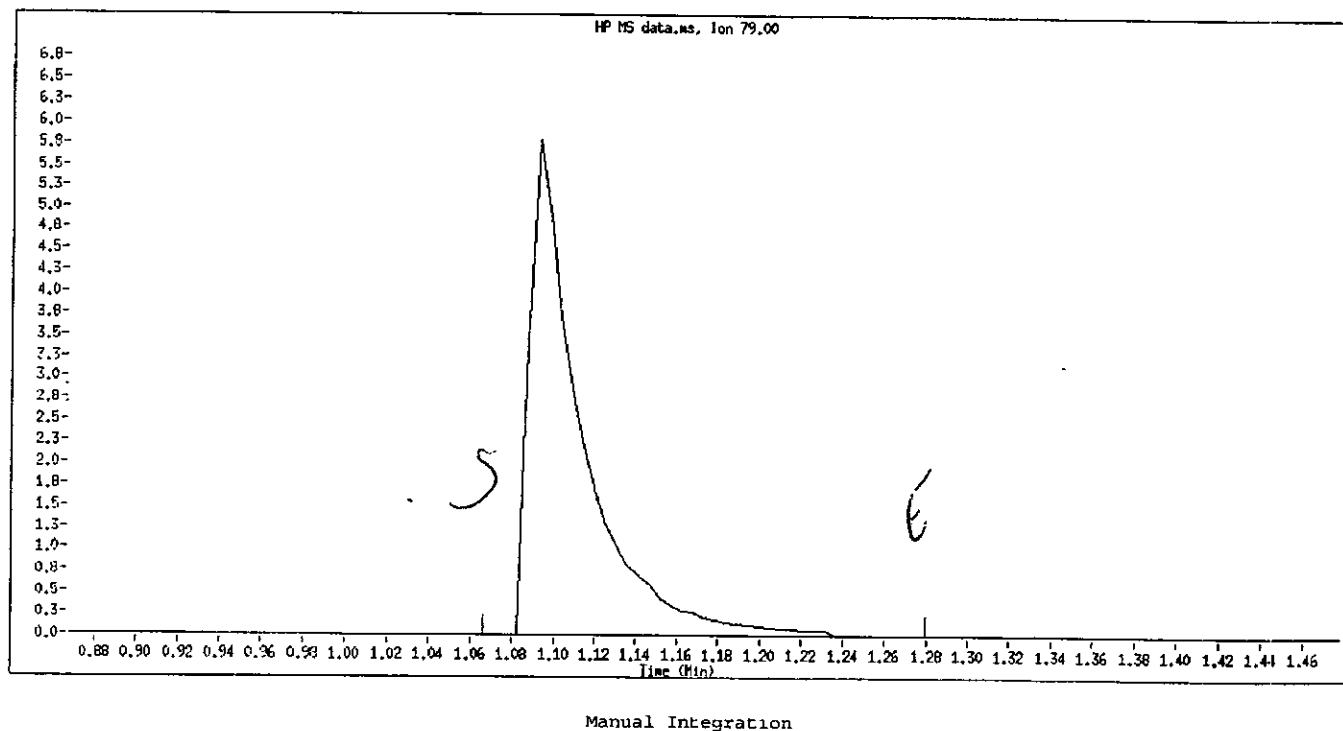
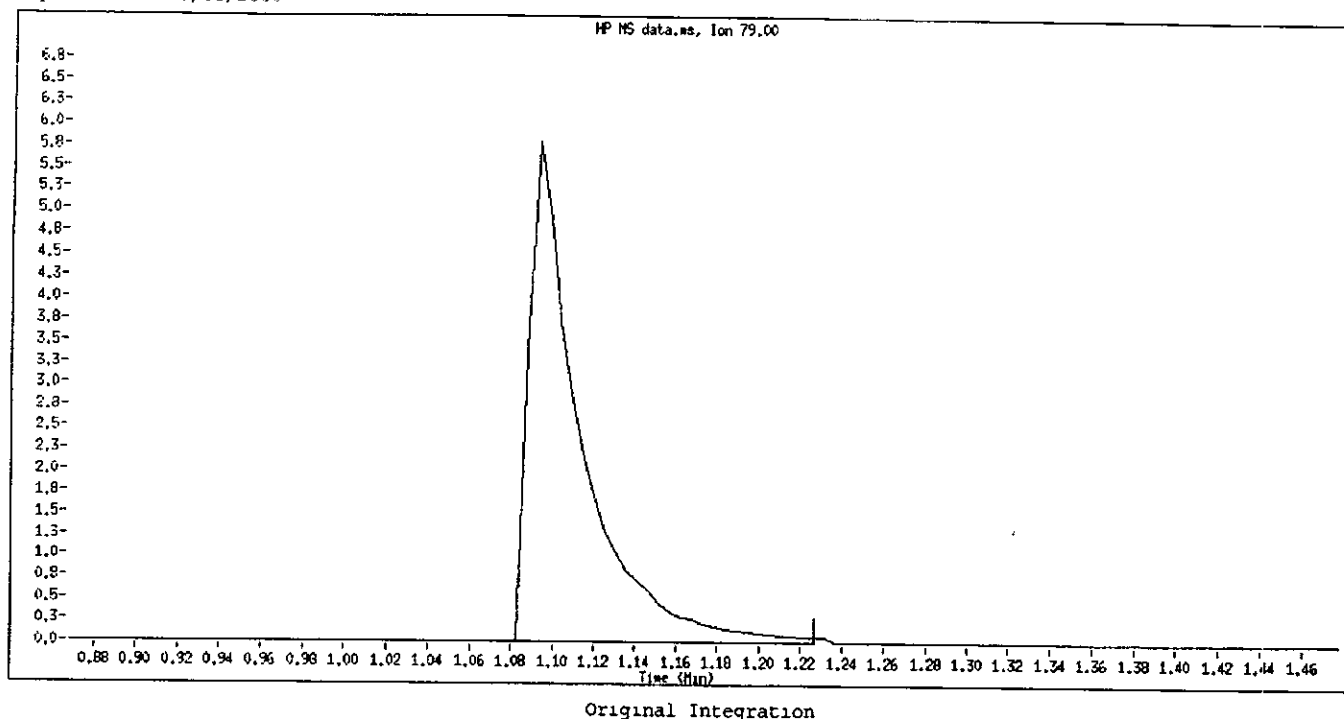
666 225

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ng)	ON-COL (ng)
*****	====	==	=====	=====	=====		=====	=====
151 Chrysene	228	17.974	17.974	(1.003)	355061		50.0000	50.000
153 bis(2-ethylhexyl)phthalate	149	18.476	18.476	(1.031)	302384		50.0000	50.000
155 Di-n-octylphthalate	149	19.929	19.929	(0.939)	596453		50.0000	50.000
157 Benzo(b)fluoranthene	252	20.415	20.415	(0.962)	474594		50.0000	50.000
158 Benzo(k)fluoranthene	252	20.479	20.479	(0.965)	478090		50.0000	50.000
159 1,12-dimethylbenz(a)anthracene	256	20.484	20.484	(0.966)	223202		50.0000	50.000
167 Benzo(a)pyrene	252	21.093	21.093	(0.994)	453851		50.0000	50.000
169 Indeno(1,2,3-cd)pyrene	276	23.310	23.310	(1.099)	544075		50.0000	50.000
170 Dibenzo(a,n)anthracene	278	23.364	23.364	(1.101)	564335		50.0000	50.000
171 Benzo(g,h,i)perylene	276	23.764	23.764	(1.120)	566998		50.0000	50.000
\$ 172 Nitrobenzene-d5	82	4.864	4.864	(0.866)	132885		50.0000	50.000
\$ 173 2-Fluorobiphenyl	172	7.166	7.166	(0.861)	203330		50.0000	50.000
\$ 174 Terphenyl-d14	244	15.441	15.441	(0.862)	283005		50.0000	50.000
\$ 175 Phenol-d5	99	4.057	4.057	(0.950)	126919		50.0000	50.000
\$ 176 2-Fluorophenol	112	2.973	2.973	(0.696)	94699		50.0000	50.000
\$ 177 2,4,6-Tribromophenol	330	9.966	9.966	(0.871)	30161		50.0000	50.000
\$ 178 2-Chlorophenol-d4	132	4.100	4.100	(0.960)	91979		50.0000	50.000
\$ 179 1,2-Dichlorobenzene-d4	152	4.458	4.458	(1.044)	68046		50.0000	50.000 (H)

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

666 226

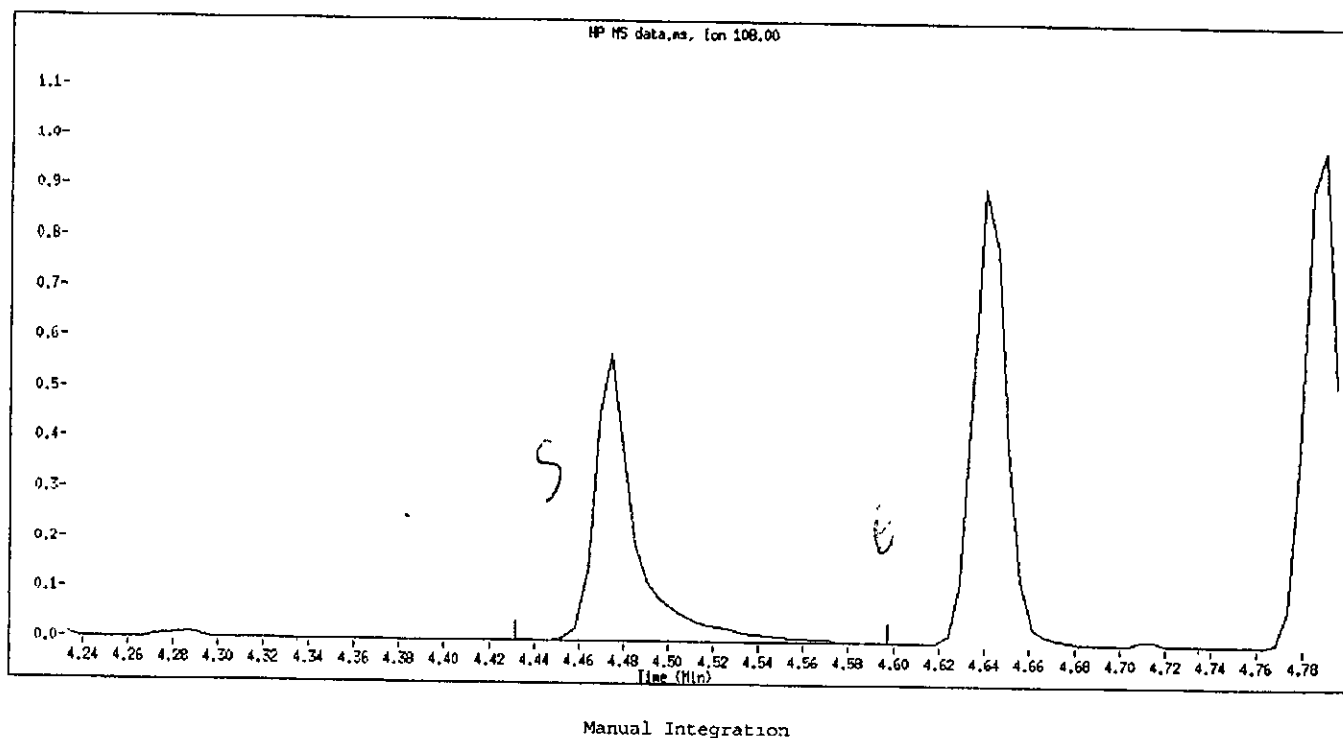
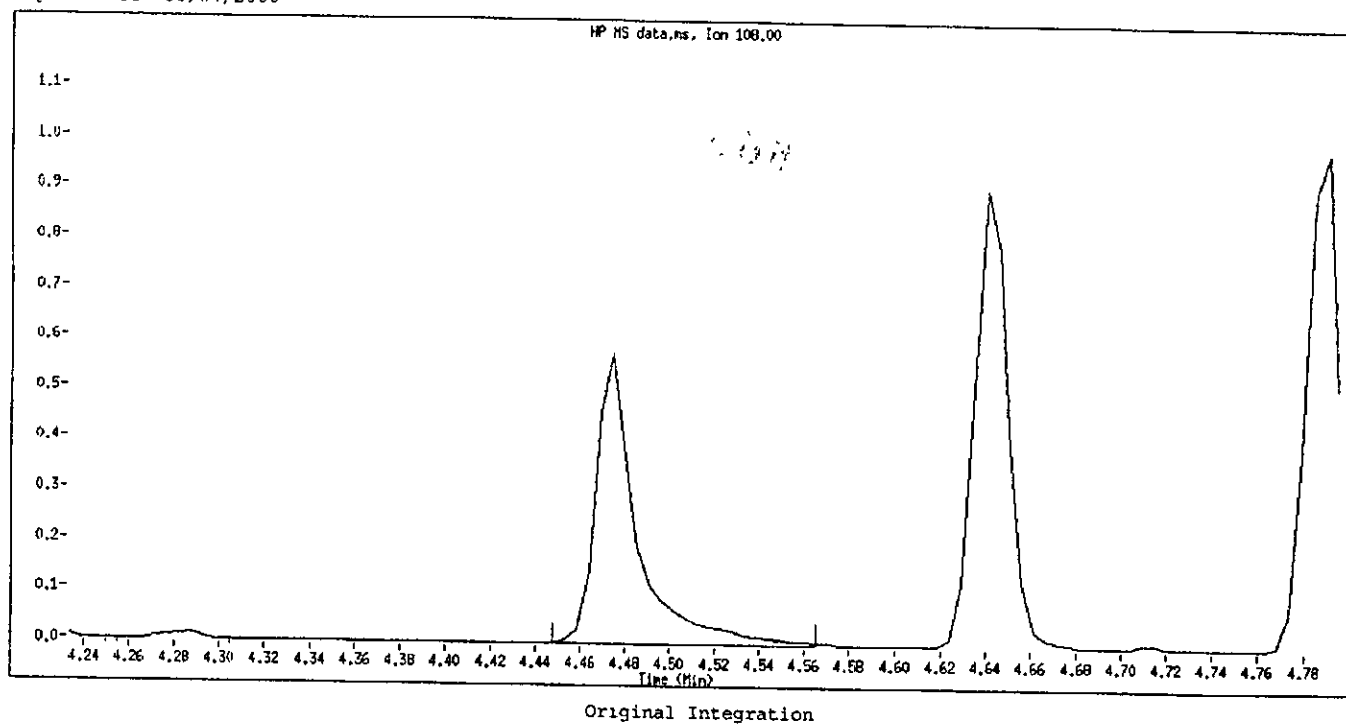


Manually Integrated By BacnaS

Manual Integration Reason Unknown

Data File Name S0804CC2.D
Inj Date and Time 03-AUG-2000 15 12
Instrument ID 71 1
Client ID sstd50
Compound Name Benzyl Alcohol
CAS # 100-51-6
Report Date 08/04/2000

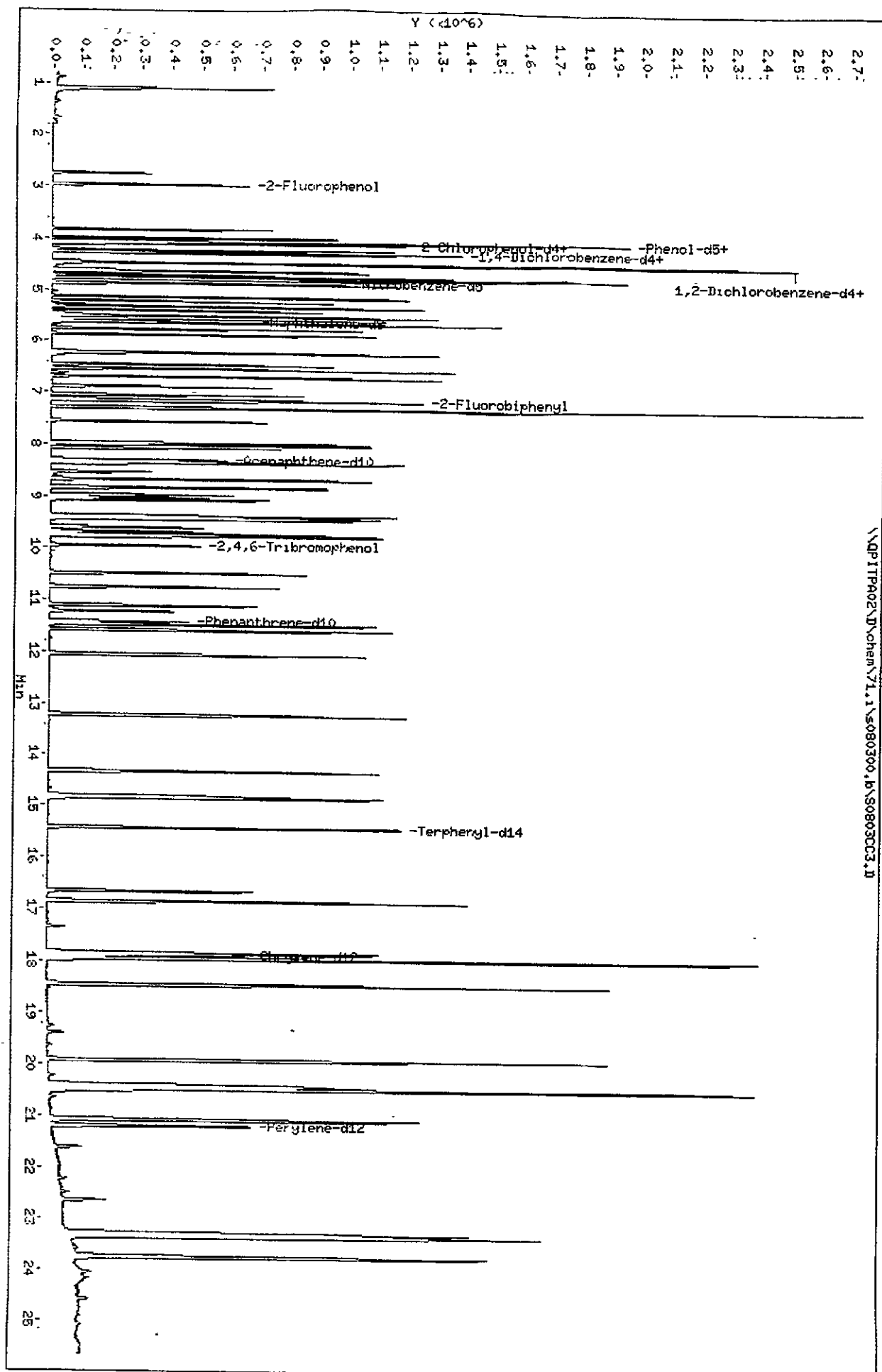
666 227



Manually Integrated By BachaS
Manual Integration Reason: Poor Chromatography

Data File: \\QP1TPA02\N\chem\71.1\5080300.b\50803003.D
 Date: 03-AUG-2000 16:16
 Client ID: sstd80
 Sample Info: sstd80(40 ug/ml) 194-175-12 8270/c1p
 Column phase: Hp5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



666 229

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270
Data file : \\QPITPA02\D\chem\71.i\s080300.b\S0803CC3.D
Lab Smp Id: sstd80 Client Smp ID: sstd80
Inj Date : 03-AUG-2000 16:16
Operator : 045183 Inst ID: 71.i
Smp Info : sstd80(40 ug/ml) 194-175-12 8270/clp
Misc Info : sstd80,s080300.b,8270clp.m,1-82701.sub,1,3
Comment :
Method : \\QPITPA02\D\chem\71.i\s080300.b\8270clp.m
Meth Date : 04-Aug-2000 10:16 bachas Quant Type: ISTD
Cal Date : 03-AUG-2000 16:16 Cal File: S0803CC3.D
Als bottle: 96 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

Compounds	QUANT SIG			AMOUNTS		
	MASS	RT	EXP RT	REL RT	CAL-AMT (ng)	ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.262	4.262 (1.000)	87636	40.0000	
* 2 Naphthalene-d8	136	5.608	5.608 (1.000)	336321	40.0000	
* 3 Acenaphthene-d10	164	8.306	8.306 (1.000)	193104	40.0000	
* 4 Phenanthrene-d10	188	11.420	11.420 (1.000)	374166	40.0000	
* 5 Chrysene-d12	240	17.900	17.900 (1.000)	453387	40.0000	
* 6 Perylene-d12	264	21.207	21.207 (1.000)	559143	40.0000	
13 N-Nitrosodimethylamine	74	1.089	1.089 (0.256)	150478	80.0000	81.308
10 Pyridine	79	1.083	1.083 (0.254)	261666	80.0000	80.805 (M)
19 Methyl methanesulfonate	80	2.745	2.745 (0.644)	170338	80.0000	91.012
22 Aniline	93	3.990	3.990 (0.936)	389712	80.0000	82.038
23 Phenol	94	4.059	4.059 (0.952)	330007	80.0000	81.493
24 bis(2-Chloroethyl)ether	93	4.064	4.064 (0.954)	267029	80.0000	81.638
25 2-Chlorophenol	128	4.107	4.107 (0.964)	244514	80.0000	79.833
27 1,3-Dichlorobenzene	146	4.225	4.225 (0.991)	272871	80.0000	79.873
28 1,4-Dichlorobenzene	146	4.278	4.278 (1.004)	278507	80.0000	80.082
29 1,2-Dichlorobenzene	146	4.465	4.465 (1.048)	262391	80.0000	80.411
30 Benzyl Alcohol	108	4.465	4.465 (1.048)	181165	80.0000	80.981 (M)
31 2-Methylphenol	108	4.636	4.636 (1.088)	230878	80.0000	81.004
32 2,2'-oxybis(1-Chloropropane)	45	4.609	4.609 (1.081)	388270	80.0000	78.395
33 N-Nitroso-di-n-propylamine	70	4.753	4.753 (1.115)	223156	80.0000	81.440
35 4-Methylphenol	108	4.780	4.780 (1.122)	247914	80.0000	81.171
38 Hexachloroethane	117	4.759	4.759 (1.117)	120560	80.0000	81.122
39 Nitrobenzene	77	4.876	4.876 (0.870)	345530	80.0000	81.842
44 Isophorone	82	5.127	5.127 (0.914)	528524	80.0000	81.469
45 2-Nitrophenol	139	5.213	5.213 (0.930)	139916	80.0000	83.320
46 2,4-Dimethylphenol	107	5.314	5.314 (0.948)	274842	80.0000	83.671

666 230

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
====	=====	=====	==	=====	=====	=====	=====	=====
47 bis(2-Chloroethoxy)methane		93	5.395	5.395	(0.962)	303354	80.0000	81.794
51 2,4-Dichlorophenol		162	5.501	5.501	(0.981)	199239	80.0000	82.065
52 Benzoic Acid		122	5.523	5.523	(0.985)	121544	80.0000	105.95
53 1,2,4-Trichlorobenzene		180	5.565	5.565	(0.992)	208901	80.0000	80.441
54 Naphthalene		128	5.635	5.635	(1.005)	740493	80.0000	80.646
55 4-Chloroaniline		127	5.752	5.752	(1.026)	289034	80.0000	81.290
59 Hexachlorobutadiene		225	5.865	5.865	(1.046)	124918	80.0000	81.920
62 4-Chloro-3-Methylphenol		107	6.458	6.458	(1.151)	240026	80.0000	83.737
65 2-Methylnaphthalene		142	6.543	6.543	(1.167)	491888	80.0000	80.983
66 1-Methylnaphthalene		142	6.698	6.698	(1.194)	452967	80.0000	79.367
67 Hexachlorocyclopentadiene		237	6.885	6.885	(0.829)	142268	80.0000	87.392
69 2,4,6-Trichlorophenol		196	7.051	7.051	(0.849)	138771	80.0000	81.847
70 2,4,5-Trichlorophenol		196	7.131	7.131	(0.859)	148277	80.0000	82.536
73 2-Chloronaphthalene		162	7.291	7.291	(0.878)	447933	80.0000	81.033
77 2-Nitroaniline		65	7.563	7.563	(0.911)	200758	80.0000	82.943
90 Dimethylphthalate		163	7.980	7.980	(0.961)	540185	80.0000	81.630
82 2,6-Dinitrotoluene		165	8.087	8.087	(0.974)	121580	80.0000	83.228
83 Acenaphthylene		152	8.017	8.017	(0.965)	731381	80.0000	81.308
85 3-Nitroaniline		138	8.338	8.338	(1.004)	147927	80.0000	83.948
86 Acenaphthene		153	8.370	8.370	(1.008)	459851	80.0000	80.598
97 2,4-Dinitrophenol		184	8.536	8.536	(1.028)	65169	80.0000	118.75
99 1 Nitrophenol		109	8.829	8.829	(1.063)	122732	80.0000	88.218
90 Dibenzofuran		168	8.685	8.685	(1.046)	643099	80.0000	80.834
91 2,4-Dinitrotoluene		165	8.846	8.846	(1.065)	172616	80.0000	84.114
95 2,3,5,6-Tetrachlorophenol		232	8.979	8.979	(1.081)	112531	80.0000	84.427
92 2,3,4,6-Tetrachlorophenol		232	9.070	9.070	(1.092)	118392	80.0000	83.771
96 2 Naphthylamine		143	9.027	9.027	(1.087)	282328	80.0000	60.589
97 Diethylphthalate		149	9.417	9.417	(1.134)	590180	80.0000	83.262
98 Fluorene		166	9.385	9.385	(1.130)	538508	80.0000	81.876
99 4-Chlorophenyl-phenylether		204	9.444	9.444	(1.137)	243063	80.0000	81.659
100 4-Nitroaniline		138	9.609	9.609	(1.157)	156392	80.0000	86.494
102 4,6-Dinitro-2-methylphenol		198	9.690	9.690	(0.848)	112899	80.0000	89.081
103 N-Nitrosodiphenylamine (1)		169	9.743	9.743	(0.853)	400758	80.0000	80.360
104 1,2-Diphenylhydrazine		77	9.775	9.775	(0.856)	811131	80.0000	83.590
112 4-Bromophenyl-phenylether		248	10.486	10.486	(0.918)	143716	80.0000	80.588
113 Hexachlorobenzene		284	10.747	10.747	(0.941)	154156	80.0000	80.912
117 Pentachlorophenol		266	11.223	11.223	(0.983)	80683	80.0000	98.130
122 Phenanthrene		178	11.479	11.479	(1.005)	799771	80.0000	81.261
123 Anthracene		178	11.581	11.581	(1.014)	830039	80.0000	81.261
126 Carbazole		167	12.056	12.056	(1.056)	811016	80.0000	82.274
130 Di-n Butylphthalate		149	13.215	13.215	(1.157)	1065208	80.0000	82.947
135 Fluoranthene		202	14.327	14.327	(1.254)	928384	80.0000	83.224
136 Benzidine		184	14.807	14.807	(0.827)	530196	80.0000	84.535
137 Pyrene		202	14.845	14.845	(0.829)	951881	80.0000	80.577
144 Butylbenzylphthalate		149	16.875	16.875	(0.943)	563293	80.0000	82.635
149 3,3'-Dichlorobenzidine		252	17.970	17.970	(1.004)	448768	80.0000	82.768
150 Benzo(a)Anthracene		228	17.863	17.863	(0.998)	1028989	80.0000	81.663

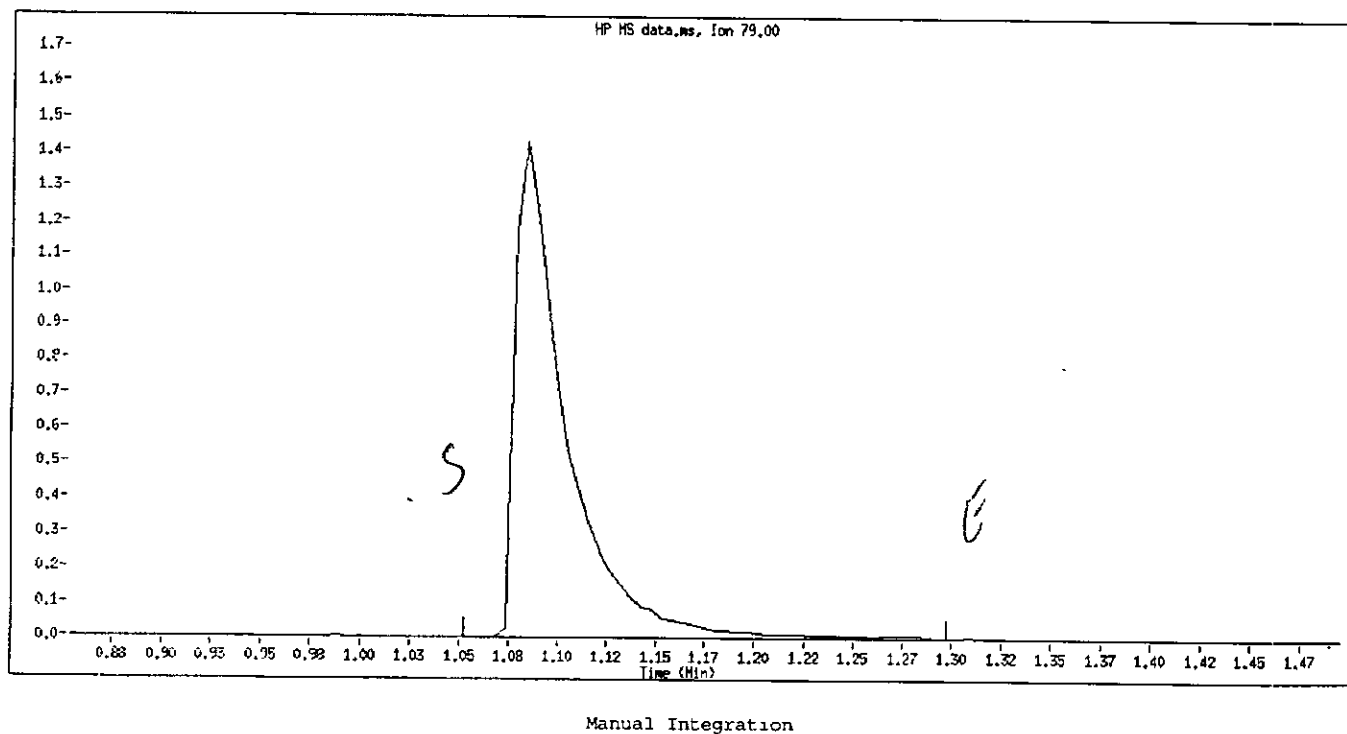
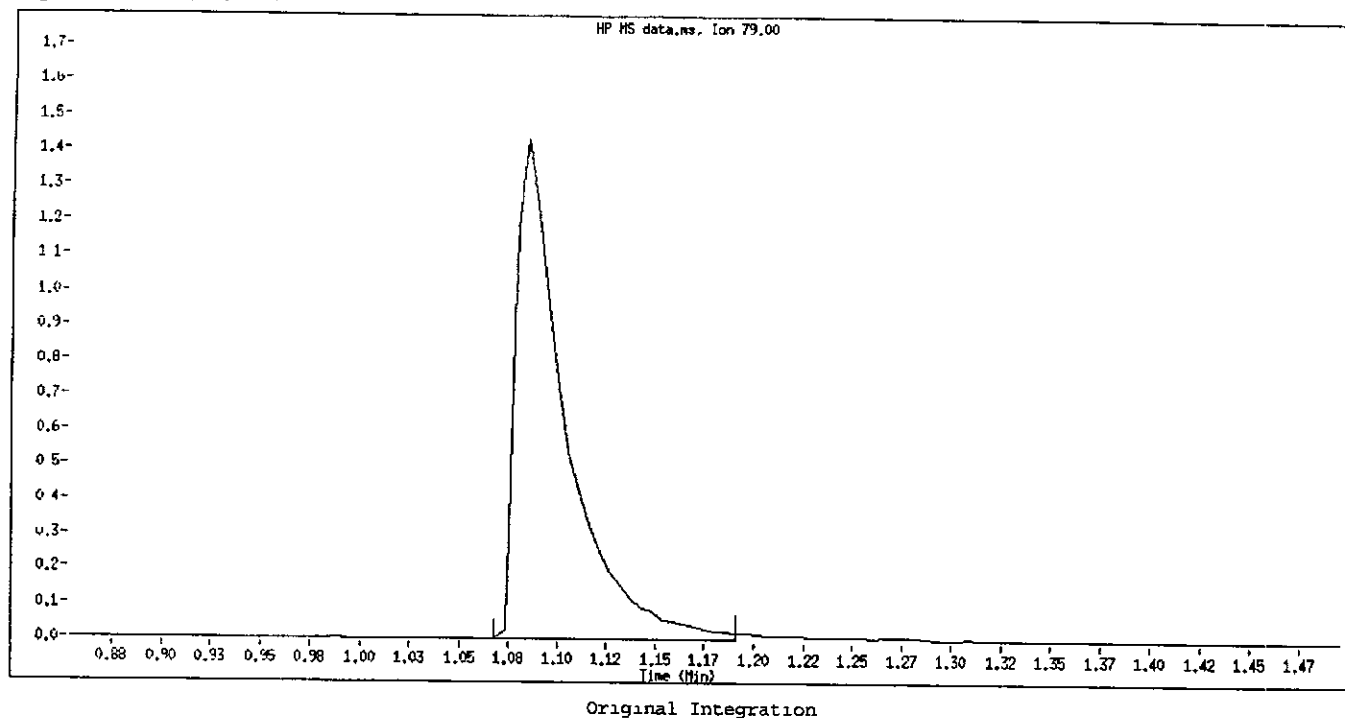
666 231

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
151 Chrysene		228	17.970	17.970	(1.004)	969635	80.0000	81.686
153 bis(2-ethylhexyl)Phthalate		149	18.461	18.461	(1.031)	828882	80.0000	82.020
155 Di-n-octylphthalate		149	19.925	19.925	(0.940)	1607565	80.0000	80.472
157 Benzo(b)fluoranthene		252	20.422	20.422	(0.963)	1351114	80.0000	85.158
158 Benzo(k)fluoranthene		252	20.486	20.486	(0.966)	1278374	80.0000	79.602(H)
159 7,12-dimethylbenz[a]anthracen		256	20.491	20.491	(0.966)	588951	80.0000	82.716
167 Benzo(a)pyrene		252	21.095	21.095	(0.995)	1230387	80.0000	81.890
169 Indeno(1,2,3-cd)pyrene		276	23.317	23.317	(1.099)	1586102	80.0000	86.547
170 Dibenz(a,h)anthracene		278	23.371	23.371	(1.102)	1587239	80.0000	83.985
171 Benzo(g,h,i)perylene		276	23.771	23.771	(1.121)	1590779	80.0000	83.855
\$ 172 Nitrobenzene-d5		82	4.860	4.860	(0.867)	322755	80.0000	81.831
\$ 173 2-Fluorobiphenyl		172	7.157	7.157	(0.862)	496900	80.0000	80.232
\$ 174 Terphenyl-d14		244	15.432	15.432	(0.862)	759509	80.0000	81.097
\$ 175 Phenol-d5		99	4.048	4.048	(0.950)	300698	80.0000	78.647
\$ 176 2-Fluorophenol		112	2.958	2.958	(0.694)	220050	80.0000	78.203
\$ 177 2,4,6-Tribromophenol		330	9.951	9.951	(0.871)	80055	80.0000	82.027
\$ 178 2-Chlorophenol-d4		132	4.091	4.091	(0.960)	214704	80.0000	78.082
\$ 179 1,2-Dichlorobenzene-d4		152	4.454	4.454	(1.045)	161910	80.0000	79.493

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

666 232

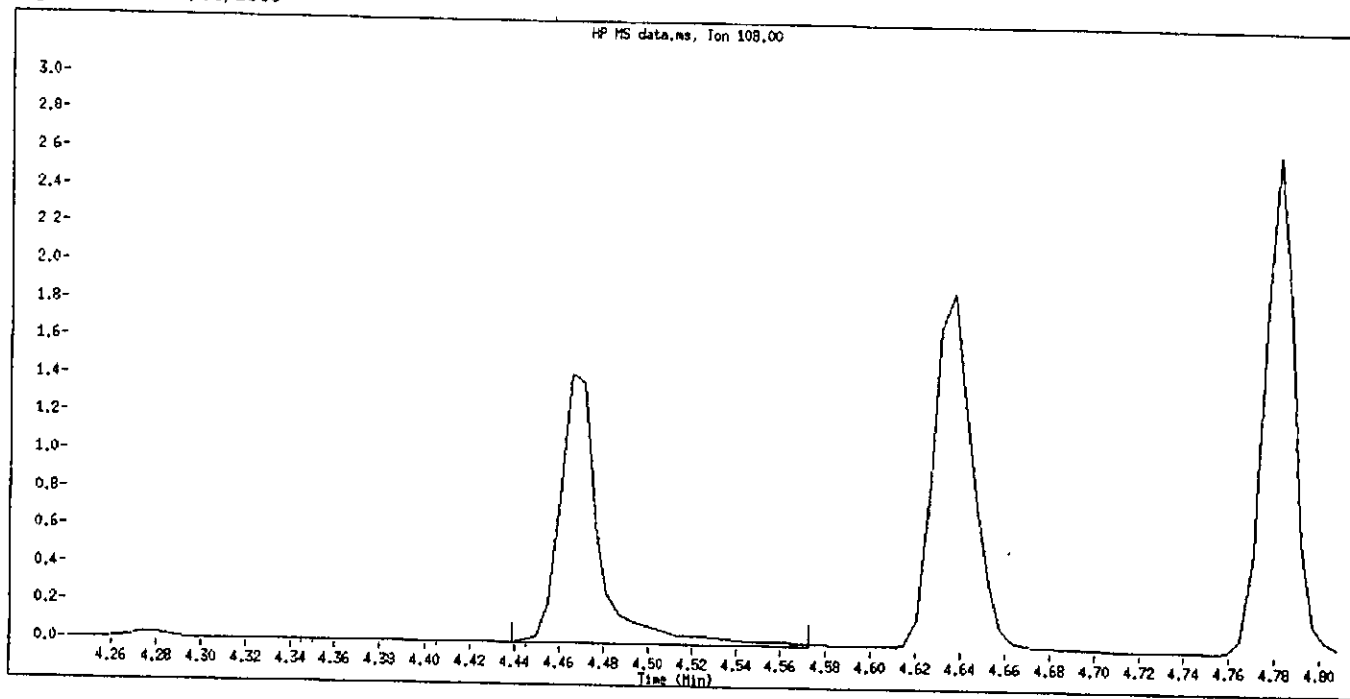


Manually Integrated By BachaS

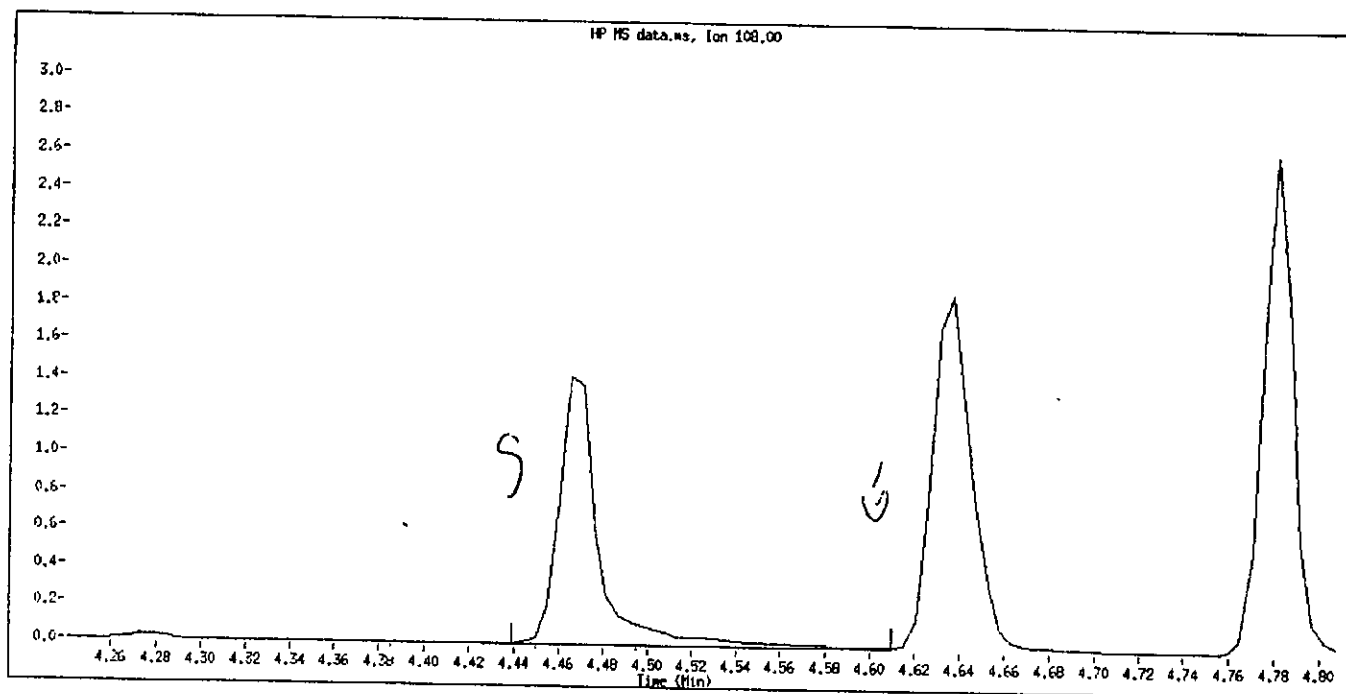
Manual Integration Reason: Poor Chromatography

Data File Name S0803CC3.D
Inj Date and Time 03-AUG-2000 16:16
Instrument ID 71.1
Client ID sstd80
Compound Name Benzyl Alcohol
CAS # 100-51-6
Report Date 08/04/2000

666 233



Original Integration

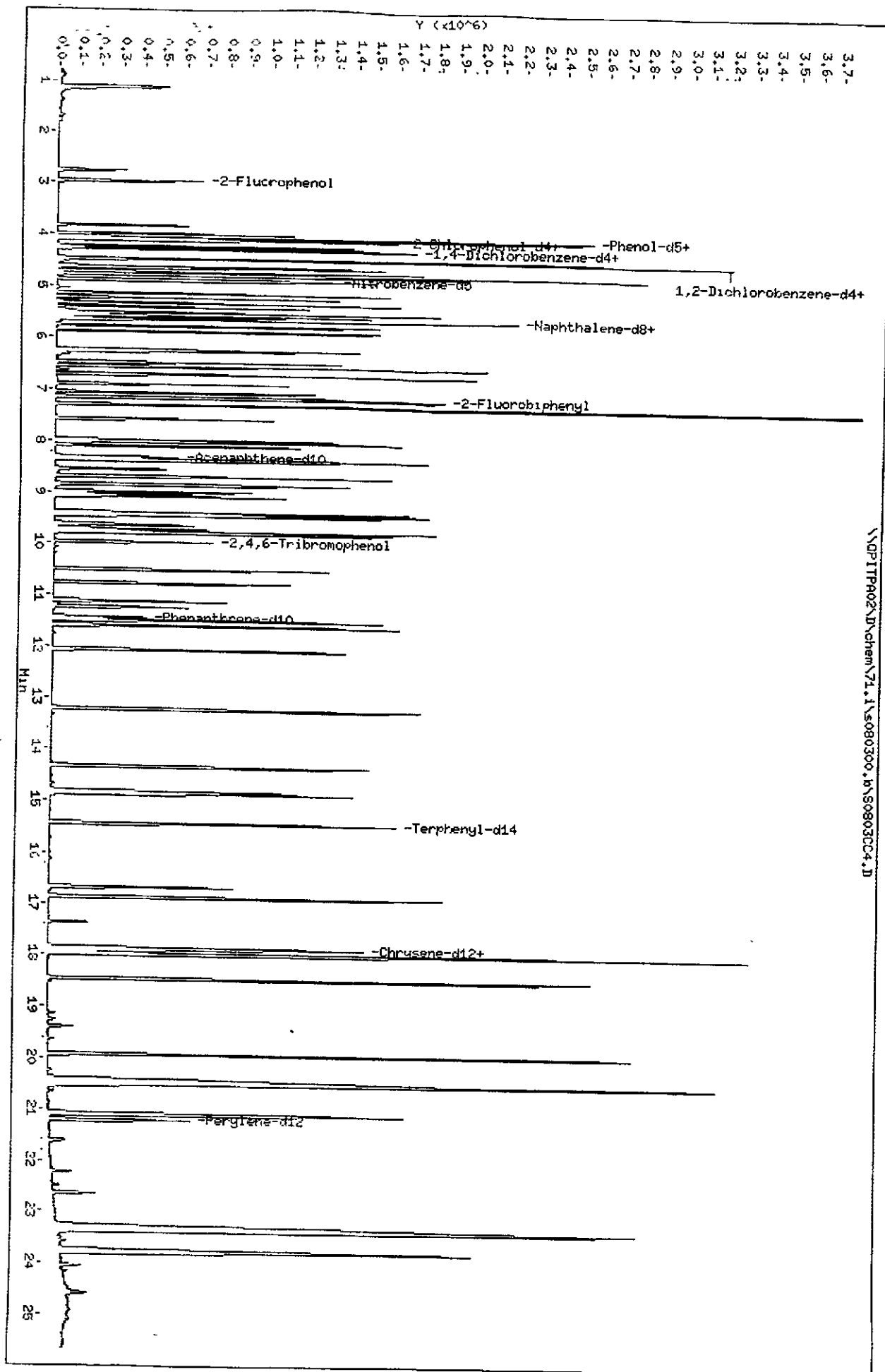


Manual Integration

Manually Integrated By BachaS
Manual Integration Reason: Poor Chromatography

Data File: \\QPI1P002\Jchem\71.1\5080300.b\50803004.D
 Date : 03-AUG-2000 16:48
 Client ID: sstd120
 Sample Info: sstd120(60 ug/ml) 194-175-13 8270/c/p
 Column phase: Hp5-MS

Instrument: 71.i
 Operator: 045183
 Column diameter: 0.25



666 235

STL Pittsburgh

Semivolatle REPORT SW-846 Method 8270
Data file : \\QPITPA02\D\chem\71.i\s080300.b\S0803CC4.D
Lab Smp Id: sstd120 Client Smp ID: sstd120
Inj Date : 03-AUG-2000 16:48
Operator : 045183 Inst ID: 71.i
Smp Info : sstd120(60 ug/ml) 194-175-13 8270/clp
Misc Info : sstd120,s080300.b,8270clp.m,1-82701.sub,1,4
Comment :
Method : \\QPITPA02\D\chem\71.i\s080300.b\8270clp.m
Meth Date : 04-Aug-2000 10:18 bachas Quant Type: ISTD
Cal Date : 03-AUG-2000 16:48 Cal File: S0803CC4.D
Als bottle: 97 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

Bst/4/a

Compounds	QUANT SIG			AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)
ON-COL (ng)						
* 1 1,4-Dichlorobenzene-d4	152	4.268	4.268	(1.000)	82007	40.0000
* 2 Naphthalene d8	136	5.614	5.614	(1.000)	321811	40.0000
* 3 Acenaphthene-d10	164	8.312	8.312	(1.000)	194058	40.0000
* 4 Phenanthrene-d10	188	11.431	11.431	(1.000)	374378	40.0000
* 5 Chrysene-d12	240	17.911	17.911	(1.000)	434915	40.0000
* 6 Perylene-d12	264	21.218	21.218	(1.000)	549848	40.0000
13 N-Nitrosodimethylamine	74	1.116	1.116	(0.262)	207742	120.000
10 Pyridine	79	1.121	1.121	(0.263)	358088	120.000
19 Methyl methanesulfonate	80	2.761	2.761	(0.647)	237222	120.000
22 Aniline	93	3.995	3.995	(0.936)	535272	120.000
23 Phenol	94	4.070	4.070	(0.954)	474267	120.000
24 bis(2-Chloroethyl)ether	93	4.075	4.075	(0.955)	377734	120.000
25 2-Chlorophenol	128	4.113	4.113	(0.964)	339388	120.000
27 1,3-Dichlorobenzene	146	4.230	4.230	(0.991)	365525	120.000
28 1,4-Dichlorobenzene	146	4.284	4.284	(1.004)	379655	120.000
29 1,2-Dichlorobenzene	146	4.471	4.471	(1.048)	366334	120.000
30 Benzyl Alcohol	108	4.476	4.476	(1.049)	266816	120.000
31 2-Methylphenol	108	4.642	4.642	(1.088)	323895	120.000
32 2,2'-oxybis(1-Chloropropane)	45	4.615	4.615	(1.081)	541613	120.000
33 N-Nitroso-di-n-propylamine	70	4.764	4.764	(1.116)	333256	120.000
35 4-Methylphenol	108	4.786	4.786	(1.121)	359065	120.000
38 Hexachloroethane	117	4.764	4.764	(1.116)	166659	120.000
39 Nitrobenzene	77	4.887	4.887	(0.871)	492561	120.000
44 Isophorone	82	5.133	5.133	(0.914)	777660	120.000
45 2-Nitrophenol	139	5.219	5.219	(0.930)	197176	120.000
46 2,4-Dimethylphenol	107	5.325	5.325	(0.949)	402142	120.000

666 236

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
47 bis (2-Chloroethoxy)methane	93	5.400	5.400	(0.962)	436901	120.000	122.32
51 2,4-Dichlorophenol	162	5.507	5.507	(0.981)	287853	120.000	122.91
52 benzoic Acid	122	5.550	5.550	(0.989)	199369	120.000	160.96 (N)
53 1,2,4-Trichlorobenzene	180	5.571	5.571	(0.992)	295349	120.000	119.14
54 Naphthalene	128	5.641	5.641	(1.005)	1052658	120.000	119.86
55 4-Chloroaniline	127	5.758	5.758	(1.026)	419447	120.000	122.45
59 Hexachlorobutadiene	225	5.870	5.870	(1.046)	175148	120.000	120.03
62 4-Chloro-3-Methylphenol	107	6.463	6.463	(1.151)	357553	120.000	127.61
65 2-Methylnaphthalene	142	6.549	6.549	(1.167)	714663	120.000	122.21
66 1-Methylnaphthalene	142	6.704	6.704	(1.194)	667116	120.000	121.61
67 Hexachlorocyclopentadiene	237	6.891	6.891	(0.829)	208349	120.000	125.43
69 2,4,6-Trichlorophenol	196	7.056	7.056	(0.849)	203640	120.000	119.64
70 2,4,5-Trichlorophenol	196	7.136	7.136	(0.859)	217343	120.000	120.29
73 2-Chloronaphthalene	162	7.297	7.297	(0.878)	665620	120.000	119.87
77 2-Nitroaniline	65	7.574	7.574	(0.911)	302336	120.000	123.19
80 Dimethylphthalate	163	7.991	7.991	(0.961)	805429	120.000	120.83
82 2,6-Dinitrotoluene	165	8.098	8.098	(0.974)	181338	120.000	122.62
83 Acenaphthylene	152	8.023	8.023	(0.965)	1078519	120.000	119.48
85 3-Nitroaniline	138	8.354	8.354	(1.005)	218812	120.000	122.65
86 Acenaphthene	153	8.376	8.376	(1.008)	680884	120.000	119.06
87 2,4-Dinitrophenol	184	8.547	8.547	(1.028)	99106	120.000	159.82
89 4-Nitrophenol	109	8.840	8.840	(1.064)	184068	120.000	128.53
90 Dibenzofuran	168	8.691	8.691	(1.046)	945046	120.000	118.65
91 2,4-Dinitrotoluene	165	8.856	8.856	(1.066)	256002	120.000	123.07
95 2,3,5,6-Tetrachlorophenol	232	8.990	8.990	(1.082)	171128	120.000	125.72
92 2,3,4,6-Tetrachlorophenol	232	9.081	9.081	(1.093)	170616	120.000	120.10
96 2-Naphthylamine	143	9.043	9.043	(1.088)	383331	120.000	88.926
97 Diethylphthalate	149	9.428	9.428	(1.134)	870884	120.000	121.69
98 Fluorene	166	9.391	9.391	(1.130)	791627	120.000	119.83
99 4-Chlorophenyl-phenylether	204	9.449	9.449	(1.137)	360135	120.000	120.30
100 4-Nitroaniline	138	9.636	9.636	(1.159)	228990	120.000	124.46
102 4,6-Dinitro-2-methylphenol	198	9.711	9.711	(0.850)	163136	120.000	126.37
103 N-Nitrosodiphenylamine (1)	169	9.754	9.754	(0.853)	610296	120.000	121.72
104 1,2-Diphenylhydrazine	77	9.786	9.786	(0.856)	1219999	120.000	124.19
117 4-Bromophenyl-phenylether	248	10.497	10.497	(0.918)	211093	120.000	118.72
113 Hexachlorobenzene	284	10.764	10.764	(0.942)	227096	120.000	119.34
117 Pentachlorophenol	266	11.234	11.234	(0.983)	127040	120.000	144.09 (M)
122 Phenanthrene	178	11.490	11.490	(1.005)	1157058	120.000	118.11
123 Anthracene	178	11.597	11.597	(1.014)	1209969	120.000	118.79
126 Carbazole	167	12.067	12.067	(1.056)	1164299	120.000	118.53
130 Di-n-Butylphthalate	149	13.226	13.226	(1.157)	1550575	120.000	120.50
135 Fluoranthene	202	14.343	14.343	(1.255)	1326984	120.000	119.16
136 Benzidine	184	14.813	14.813	(0.827)	679122	120.000	114.58
137 Pyrene	202	14.861	14.861	(0.830)	1353167	120.000	119.56
144 Butylbenzylphthalate	149	16.886	16.886	(0.943)	799160	120.000	121.65
149 3,3'-Dichlorobenzidine	252	17.986	17.986	(1.004)	654248	120.000	124.29
150 Benzo(a)Anthracene	228	17.874	17.874	(0.998)	1443166	120.000	119.55

666 237

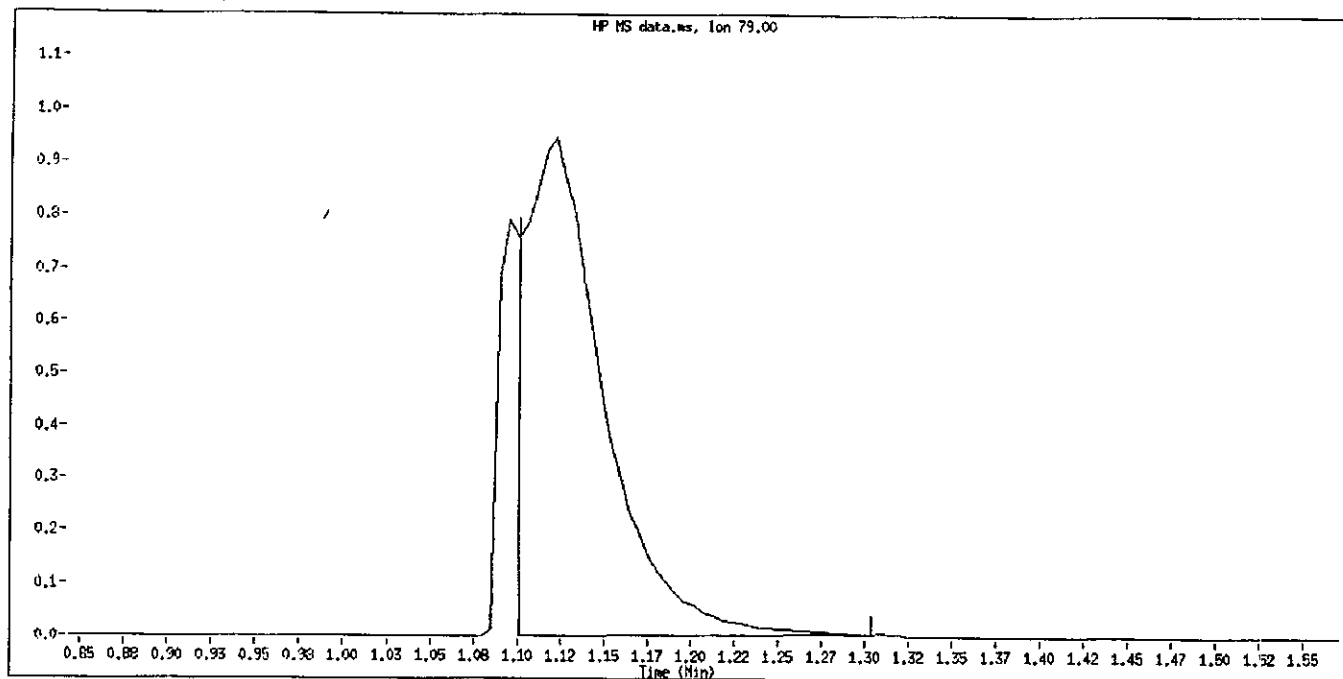
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ng)	ON-COL (ng)
151 Chrysene	228	17.992	17.992	(1.004)	1378493	120.000	120.80
153 bis(2-ethylhexyl)phthalate	149	18.472	18.472	(1.031)	1164617	120.000	120.10
155 Di-n-octylphthalate	149	19.936	19.936	(0.940)	2231144	120.000	115.12
157 Benzo(b)fluoranthene	252	20.454	20.454	(0.964)	2149798	120.000	132.86
158 Benzo(k)fluoranthene	252	20.518	20.518	(0.967)	1615933	120.000	106.23(M)
159 7,12-dimethylbenz[a]anthracen	256	20.518	20.518	(0.967)	875672	120.000	123.76
167 Benzo(a)pyrene	252	21.117	21.117	(0.995)	1794673	120.000	121.10
169 Indeno(1,2,3-cd)pyrene	276	23.339	23.339	(1.100)	2833548	120.000	145.91(M)
170 Dibenzo(a,h)anthracene	278	23.403	23.403	(1.103)	2762578	120.000	140.28
171 Benzo(g,h,i)perylene	276	23.814	23.814	(1.122)	2740851	120.000	139.12
\$ 172 Nitrobenzene-d5	82	4.866	4.866	(0.867)	462698	120.000	121.94
\$ 173 2-Fluorobiphenyl	172	7.168	7.168	(0.862)	726277	120.000	117.50
\$ 174 Terphenyl-d14	244	15.443	15.443	(0.862)	1083300	120.000	120.44
\$ 175 Phenol-d5	99	4.059	4.059	(0.951)	436509	120.000	121.50
\$ 176 2-Fluorophenol	112	2.975	2.975	(0.697)	307273	120.000	117.50
\$ 177 2,4,6-Tribromophenol	330	9.968	9.968	(0.872)	124027	120.000	125.18
\$ 178 2-Chlorophenol-d4	132	4.097	4.097	(0.960)	306938	120.000	119.46
\$ 179 1,2-Dichlorobenzene-d4	152	4.460	4.460	(1.045)	223734	120.000	118.03

QC Flag Legend

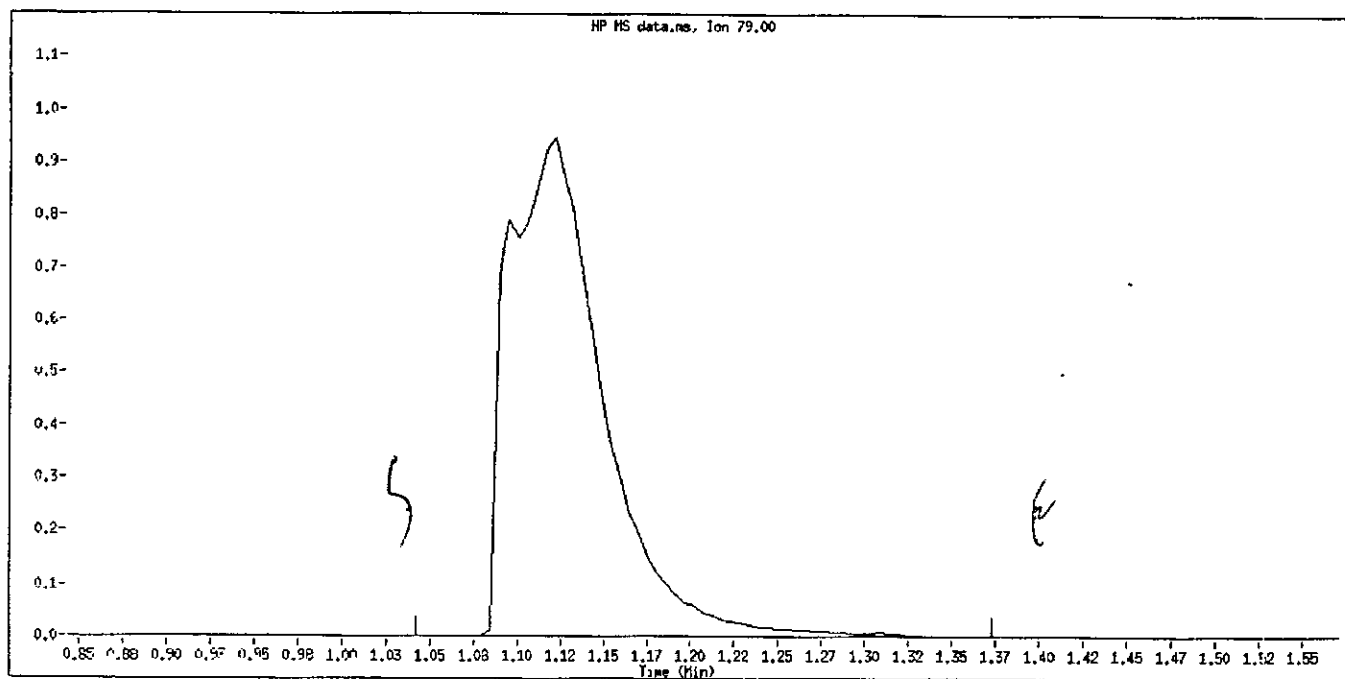
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File Name S0803CC1.D
Inj Date and Time 03-AUG-2000 16.48
Instrument ID 71.1
Client ID sstd120
Compound Name Pyridine
CAS # 110-86-1
Report Date 08/04/2000

666 238



Original Integration

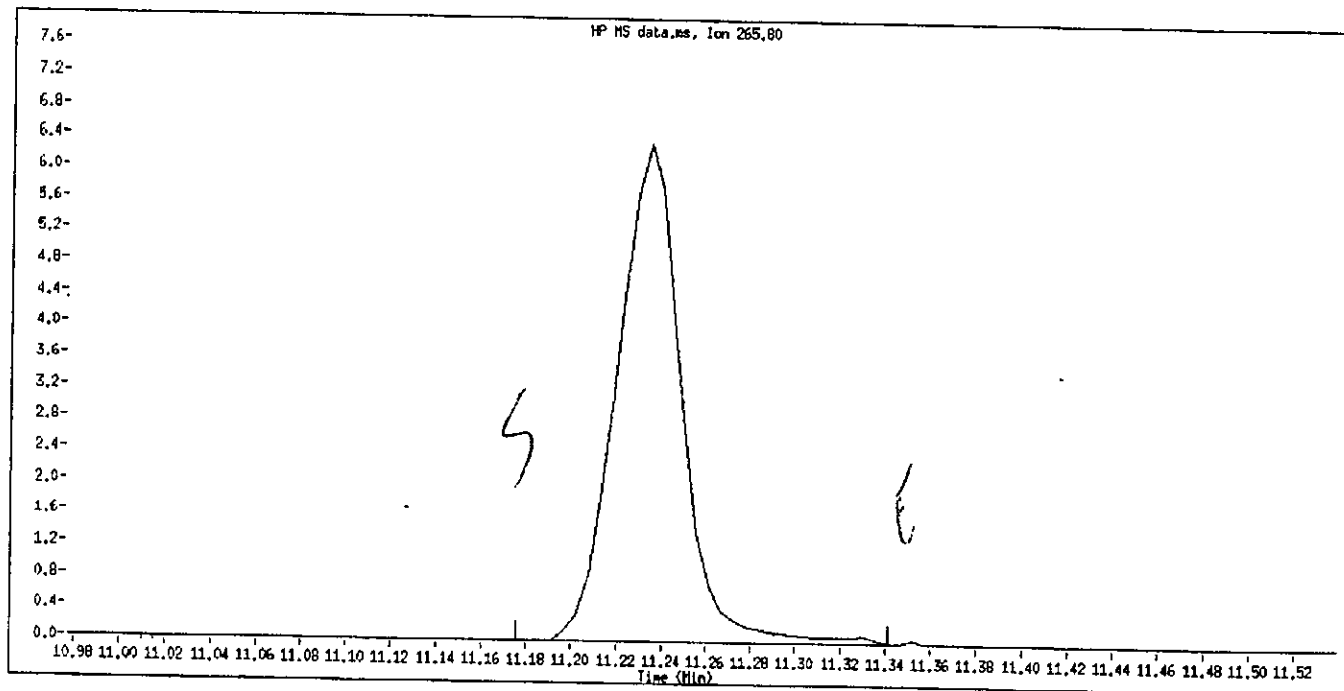
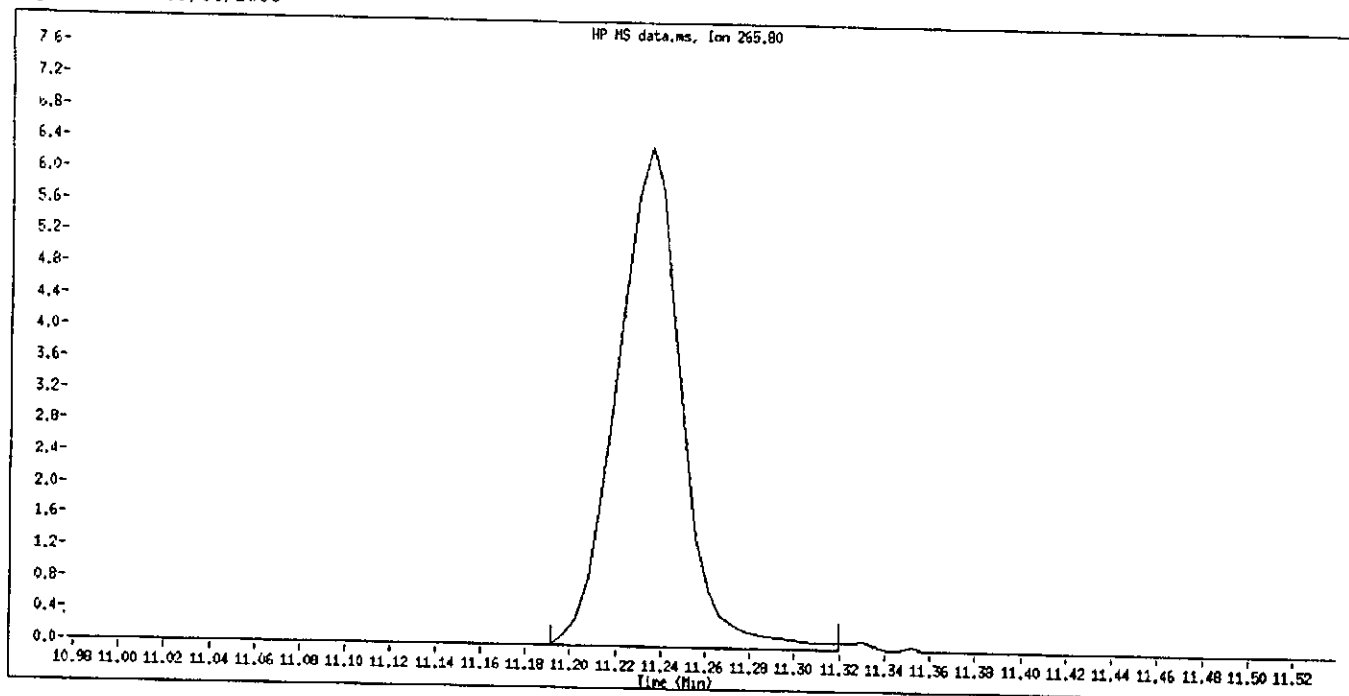


Manual Integration

Manually Integrated By DachaS
Manual Integration Reason: Poor Chromatography

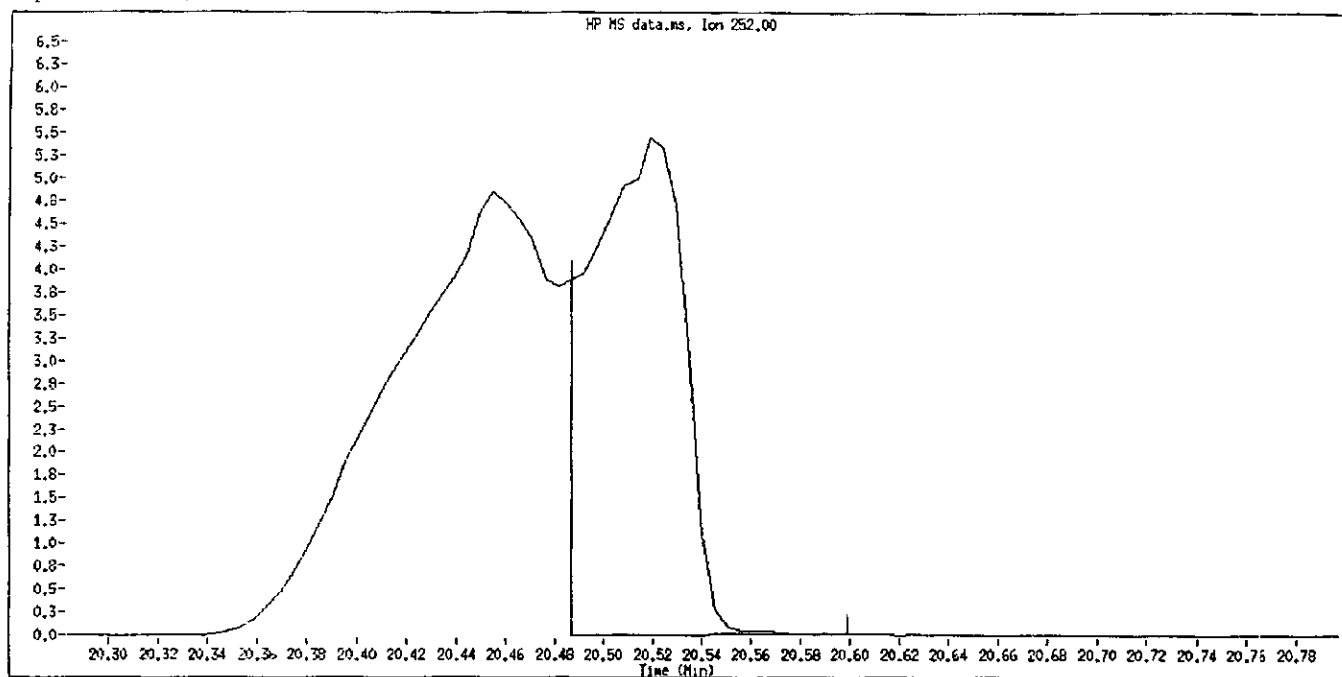
Data File Name S0803004.D
In: Date and Time 03-AUG-2000 16:48
Instrument ID 71.1
Client ID sstd120
Compound Name Pentachlorophenol
CAS # 87-86-5
Report Date: 08/04/2000

666 239

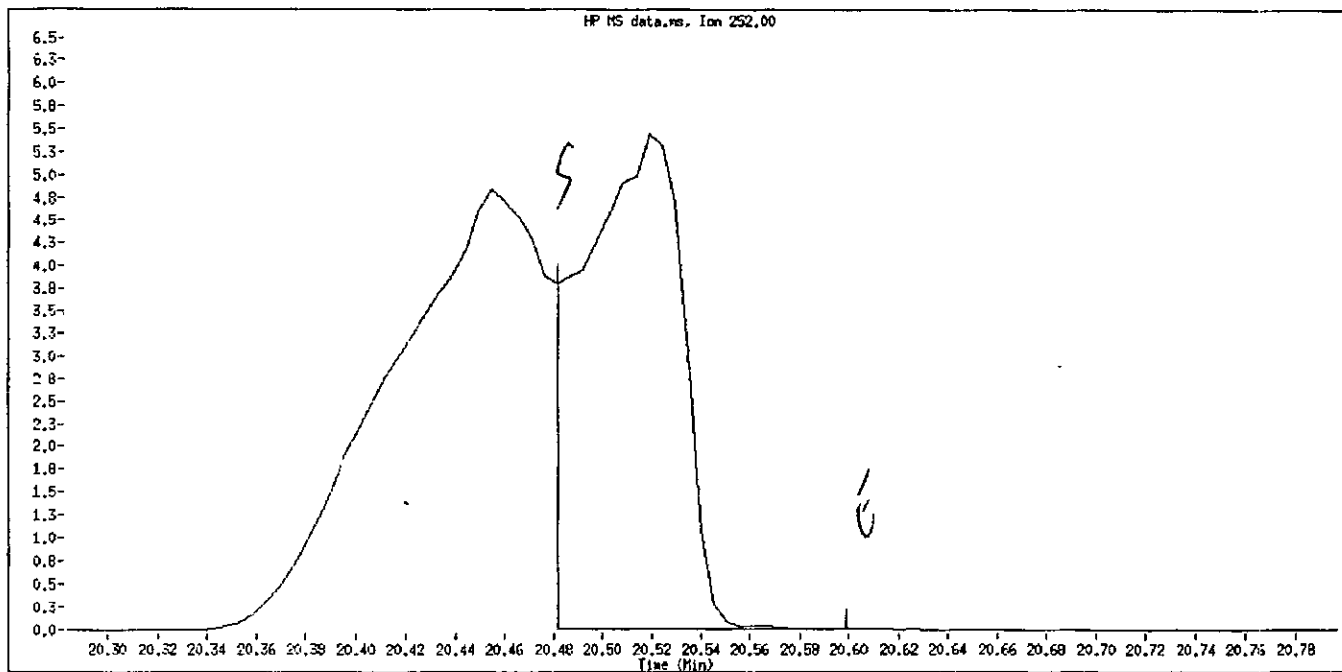


Manually Integrated By BachaS
Manual Integration Reason Poor Chromatography

666 240



Original Integration



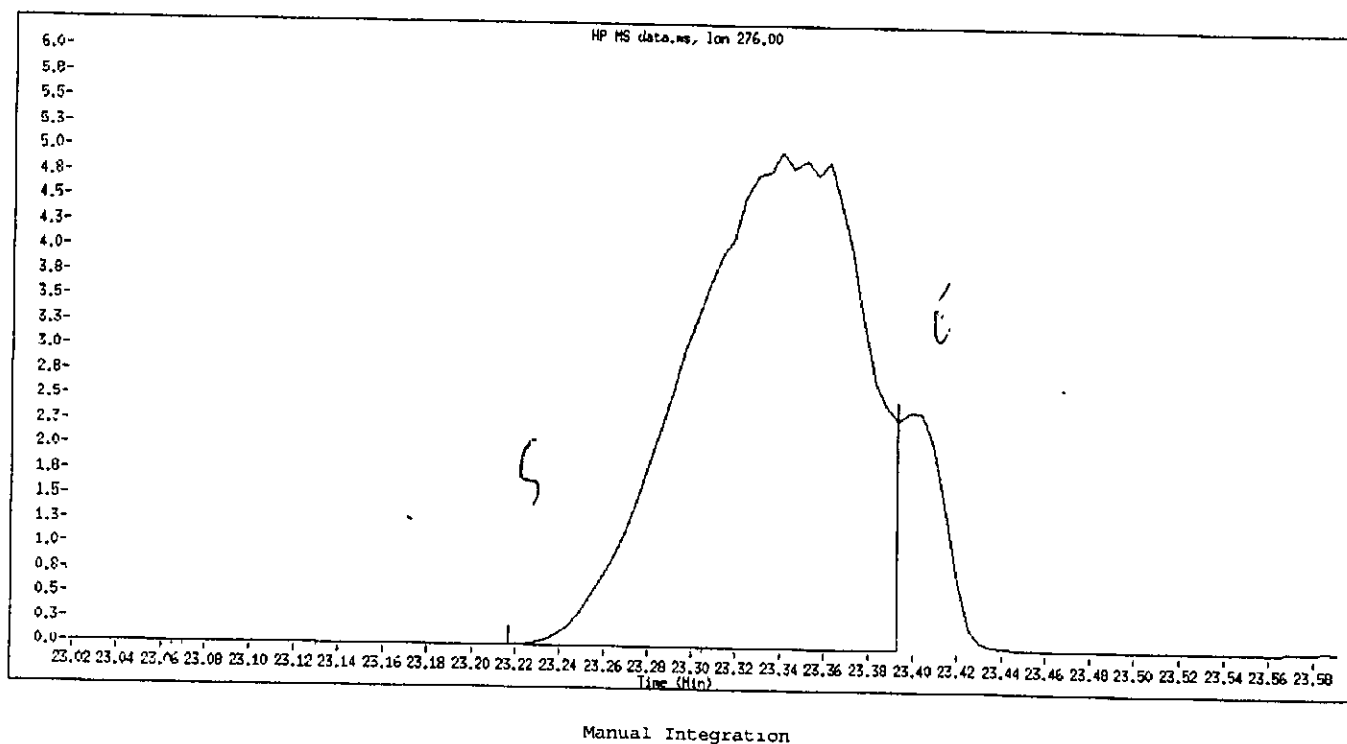
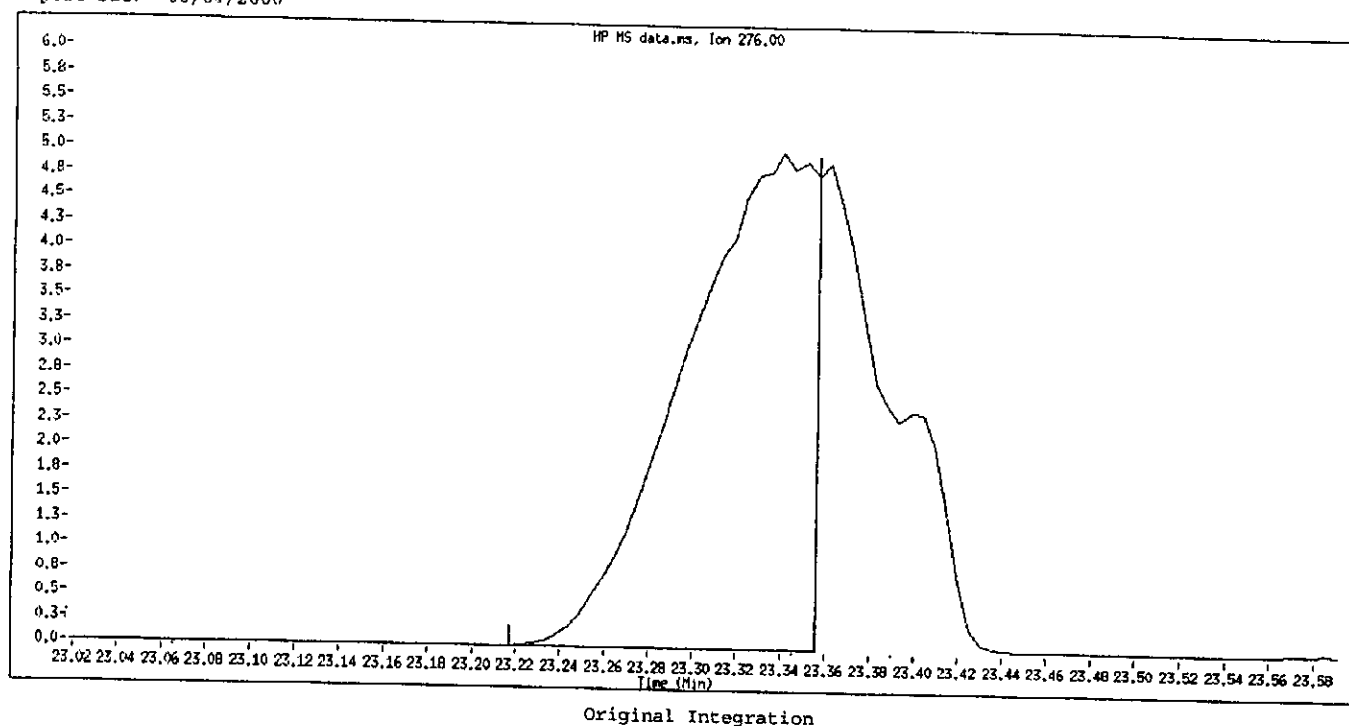
Manual Integration

Manually Integrated By BachaS

Manual Integration Reason: Poor Chromatography

Data File Name S0803CC4.D
Inj. Date and Time 03-AUG-2000 16:48
Instrument ID 71 i
Client ID sstd120
Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 08/04/2000

666 241



Manually Integrated By: BachaS
Manual Integration Reason: Poor Chromatography

666 242

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080300.b\S0803CC5.D
Lab Smp Id: sstd160 Client Smp ID: sstd160
Inj Date : 03-AUG-2000 17:20
Operator : 045183 Inst ID: 71.i
Smp Info : sstd160(80 ug/ml) 194-175-14 8270/clp
Misc Info : sstd160,s080300.b,8270clp.m,1-82701.sub,1,5
Comment :
Method : \\QPITPA02\D\chem\71.i\s080300.b\8270clp.m
Meth Date : 04-Aug-2000 10:20 bachas Quant Type: ISTD
Cal Date : 03-AUG-2000 17:20 Cal File: S0803CC5.D
Als bottle: 98 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

8/14

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
* 1 1,4 Dichlorobenzene d4	152	4 270	4 270	(1.000)	77422	40 0000	
* 2 Naphthalene-d8	136	5.622	5 622	(1 000)	304329	40 0000	
* 3 Acenaphthene-d10	164	8 314	8 314	(1 000)	179869	40 0000	
* 4 Phenanthrene-d10	188	11 434	11 434	(1 000)	344892	40.0000	
* 5 Chrysene-d12	240	17 920	17 920	(1 000)	410760	40 0000	
* 6 Perylene-d12	264	21 232	21 232	(1 000)	548377	40.0000	
13 N-Nitrosodimethylamine	74	1 113	1 113	(0 261)	263456	160 000	160.92 (A)
10 Pyridine	79	1.119	1 119	(0 262)	455529	160 000	159 87 (MH)
19 Methyl methanesulfonate	80	2 764	2.764	(0 647)	291628	160 000	168 58 (A)
22 Aniline	93	4 003	4 003	(0 937)	675112	160 000	160.58 (A)
23 Phenol	94	4.073	4 073	(0.954)	612560	160.000	167.44 (A)
24 bis(2-Chloroethyl)ether	93	4.078	4 078	(0 955)	488023	160.000	166 10 (A)
25 2-Chlorophenol	128	4.116	4 116	(0 964)	431071	160 000	159 87
27 1,3-Dichlorobenzene	146	4 233	4 233	(0 991)	468334	160 000	157.61
28 1,4-Dichlorobenzene	146	4.286	4 286	(1.004)	485332	160 000	159 26
29 1,2-Dichlorobenzene	146	4 473	4.473	(1 048)	470580	160.000	162 59 (A)
30 Benzyl Alcohol	108	4 479	4.479	(1.049)	339910	160.000	167 40 (A)
31 2-Methylphenol	108	4 644	4 644	(1 088)	415008	160 000	163.44 (A)
32 2,2'-oxybis(1-Chloropropane)	45	4 618	4 618	(1.081)	683676	160 000	157 82
33 N-Nitroso-di-n-propylamine	70	4 773	4 773	(1.118)	427313	160.000	170 18 (A)
35 4-Methylphenol	108	4 794	4.794	(1 123)	456964	160 000	165 86 (A)
38 Hexachloroethane	117	4 767	4 767	(1 116)	213349	160 000	162 04 (A)
39 Nitrobenzene	77	4 890	4 890	(0.870)	620937	160.000	161 50 (A)
44 Isophorone	82	5.141	5 141	(0 914)	973403	160 000	163 20 (A)
45 2-Nitrophenol	139	5 221	5.221	(0 929)	249009	160 000	162 35 (A)
46 2,4-Dimethylphenol	107	5 328	5.328	(0 948)	508157	160 000	166 48 (A)

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
47 bis(2-Chloroethoxy)methane	93	5.408	5.408	(0.962)	551153	160.000	162.53 (A)
51 2,4-Dichlorophenol	162	5.515	5.515	(0.981)	364363	160.000	163.59 (A)
52 Benzoic Acid	122	5.574	5.574	(0.991)	262120	160.000	207.25 (A)
53 1,2,4-Trichlorobenzene	180	5.574	5.574	(0.991)	374411	160.000	159.77
54 Naphthalene	128	5.643	5.643	(1.004)	1334363	160.000	160.53 (A)
55 4-Chloroaniline	127	5.761	5.761	(1.025)	527902	160.000	162.36 (A)
59 Hexachlorobutadiene	225	5.868	5.868	(1.044)	220176	160.000	159.64
62 4-Chloro-3-Methylphenol	107	6.471	6.471	(1.151)	449844	160.000	167.72 (A)
65 2-Methylnaphthalene	142	6.552	6.552	(1.165)	906905	160.000	163.18 (A)
66 1-Methylnaphthalene	142	6.706	6.706	(1.193)	832688	160.000	160.41 (A)
67 Hexachlorocyclopentadiene	237	6.893	6.893	(0.829)	266197	160.000	170.16 (A)
69 2,4,6-Trichlorophenol	196	7.064	7.064	(0.850)	254508	160.000	161.05 (A)
70 2,4,5-Trichlorophenol	196	7.145	7.145	(0.859)	274303	160.000	163.02 (A)
73 2-Chloronaphthalene	162	7.299	7.299	(0.878)	848979	160.000	163.93 (A)
77 2-Nitroaniline	65	7.583	7.583	(0.912)	377149	160.000	164.61 (A)
90 Dimethylphthalate	163	7.994	7.994	(0.961)	1001228	160.000	161.64 (A)
82 2,6-Dinitrotoluene	165	8.106	8.106	(0.975)	226222	160.000	164.01 (A)
83 Acenaphthylene	152	8.026	8.026	(0.965)	1342200	160.000	160.34 (A)
85 3-Nitroaniline	138	8.363	8.363	(1.006)	279134	160.000	166.97 (A)
86 Acenaphthene	153	8.384	8.384	(1.008)	851493	160.000	160.51 (A)
87 2,4-Dinitrophenol	184	8.555	8.555	(1.029)	135273	160.000	215.09 (A)
89 4-Nitrophenol	109	8.854	8.854	(1.065)	234872	160.000	173.28 (A)
90 Dibenzofuran	168	8.699	8.699	(1.046)	1179072	160.000	159.76
91 2,4-Dinitrotoluene	165	8.870	8.870	(1.067)	317779	160.000	163.84 (A)
95 2,3,5,6-Tetrachlorophenol	232	8.998	8.998	(1.082)	217074	160.000	169.51 (A)
92 2,3,4,6-Tetrachlorophenol	232	9.089	9.089	(1.093)	217973	160.000	164.40 (A)
96 2-Naphthylamine	143	9.052	9.052	(1.089)	458020	160.000	121.53
97 Diethylphthalate	149	9.436	9.436	(1.135)	1104861	160.000	165.20 (A)
98 Fluorene	166	9.399	9.399	(1.130)	999992	160.000	162.64 (A)
99 4-Chlorophenyl-phenylether	204	9.458	9.458	(1.137)	448107	160.000	161.19 (A)
100 4-Nitroaniline	138	9.655	9.655	(1.161)	287558	160.000	166.82 (A)
102 4,6-Dinitro-2-methylphenol	198	9.725	9.725	(0.851)	205546	160.000	170.10 (A)
103 N-Nitrosodiphenylamine (1)	169	9.768	9.768	(0.854)	750566	160.000	161.99 (A)
104 1,2-Diphenylhydrazine	77	9.794	9.794	(0.857)	1526657	160.000	166.88 (A)
112 4-Bromophenyl-phenylether	248	10.505	10.505	(0.919)	267254	160.000	162.52 (A)
113 Hexachlorobenzene	284	10.766	10.766	(0.942)	287339	160.000	163.12 (A)
117 Pentachlorophenol	266	11.242	11.242	(0.983)	167121	160.000	194.62 (AM)
122 Phenanthrene	178	11.498	11.498	(1.006)	1460183	160.000	161.44 (A)
123 Anthracene	178	11.605	11.605	(1.015)	1516065	160.000	161.25 (A)
126 Carbazole	167	12.075	12.075	(1.056)	1473732	160.000	162.28 (A)
130 Di-n-Butylphthalate	149	13.235	13.235	(1.157)	1934911	160.000	162.57 (A)
135 Fluoranthene	202	14.351	14.351	(1.255)	1674840	160.000	162.60 (A)
136 Benzidine	184	14.827	14.827	(0.827)	844328	160.000	152.58
137 Pyrene	202	14.869	14.869	(0.830)	1710780	160.000	160.03 (A)
144 Butylbenzylphthalate	149	16.894	16.894	(0.943)	1024763	160.000	164.11 (A)
149 3,3'-Dichlorobenzidine	252	17.994	17.994	(1.004)	845724	160.000	167.99 (A)
150 Benzo(a)Anthracene	228	17.888	17.888	(0.998)	1847968	160.000	161.66 (A)

666 244

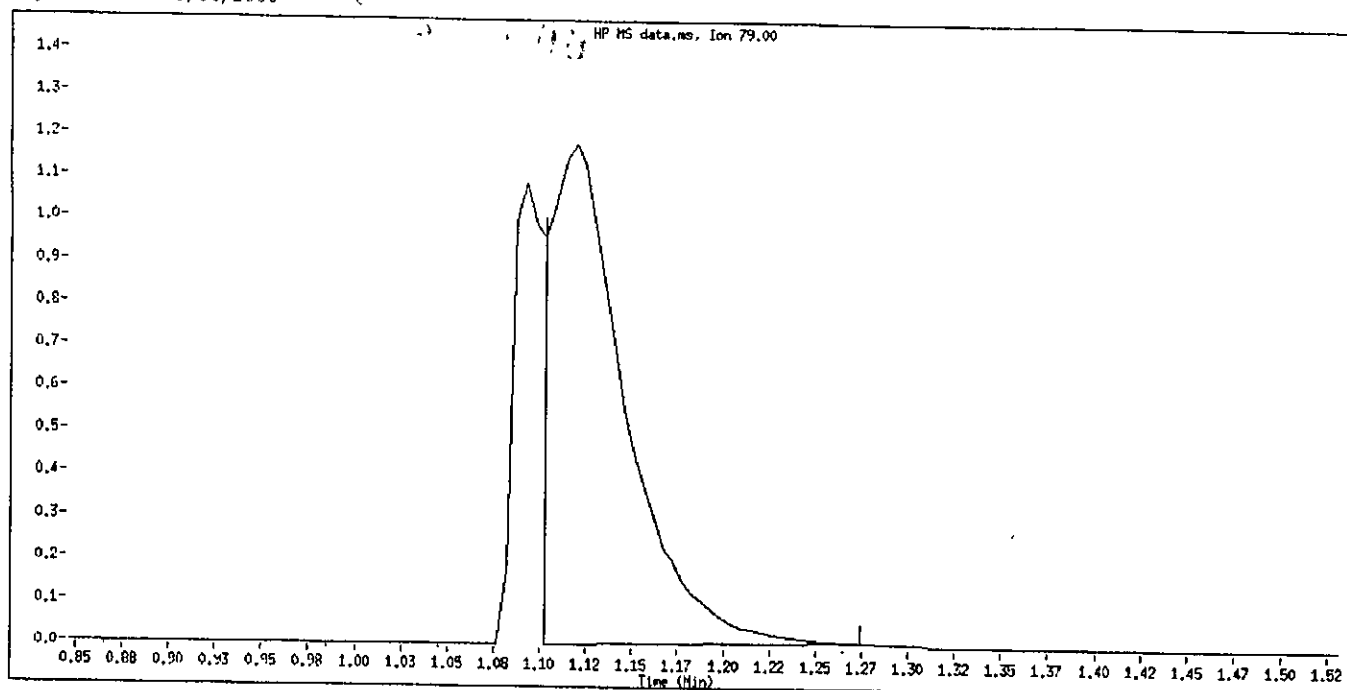
Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====	=====	==	=====	=====	=====	=====	=====
151 Chrysene	228	18.000	18.000	(1.004)	1804477	160.000	165.88 (A)
153 bis(2-ethylhexyl)Phthalate	149	18.475	18.475	(1.031)	1503099	160.000	163.28 (A)
155 Di-n-octylphthalate	149	19.950	19.950	(0.940)	2868085	160.000	150.56
157 Benzo(b)fluoranthene	252	20.484	20.484	(0.965)	2969627	160.000	178.66 (A)
158 Benzo(k)fluoranthene	252	20.548	20.548	(0.968)	2046495	160.000	139.27 (A)
159 1,12-dimethylnylbenz(a)anthracen	256	20.543	20.543	(0.968)	1171547	160.000	164.78 (A)
167 Benzo(a)pyrene	252	21.130	21.130	(0.995)	2408517	160.000	162.35 (A)
169 Indeno(1,2,3-cd)pyrene	276	23.390	23.390	(1.102)	4022503	160.000	196.01 (AMH)
170 Dibenzo(a,h)anthracene	278	23.433	23.433	(1.104)	3896320	160.000	189.29 (A)
171 Benzo(g,h,i)perylene	276	23.833	23.833	(1.123)	3695689	160.000	181.71 (A)
\$ 172 Nitrobenzene-d5	82	4.874	4.874	(0.867)	585107	160.000	162.44 (A)
\$ 173 2-Fluorobiphenyl	172	7.171	7.171	(0.863)	916066	160.000	159.92
\$ 174 Terphenyl-d14	244	15.446	15.446	(0.862)	1372674	160.000	161.26 (A)
\$ 175 Phenol-d5	99	4.062	4.062	(0.951)	556843	160.000	163.32 (A)
\$ 176 2-Fluorophenol	112	2.978	2.978	(0.697)	389684	160.000	158.27
\$ 177 2,4,6-Trisubstitutedphenol	330	9.971	9.971	(0.872)	156183	160.000	168.77 (A)
\$ 178 2-Chlorophenol-d4	132	4.105	4.105	(0.961)	386149	160.000	159.36
\$ 179 1,2-Dichlorobenzene-d4	152	4.463	4.463	(1.045)	288294	160.000	160.87 (A)

QC Flag Legend

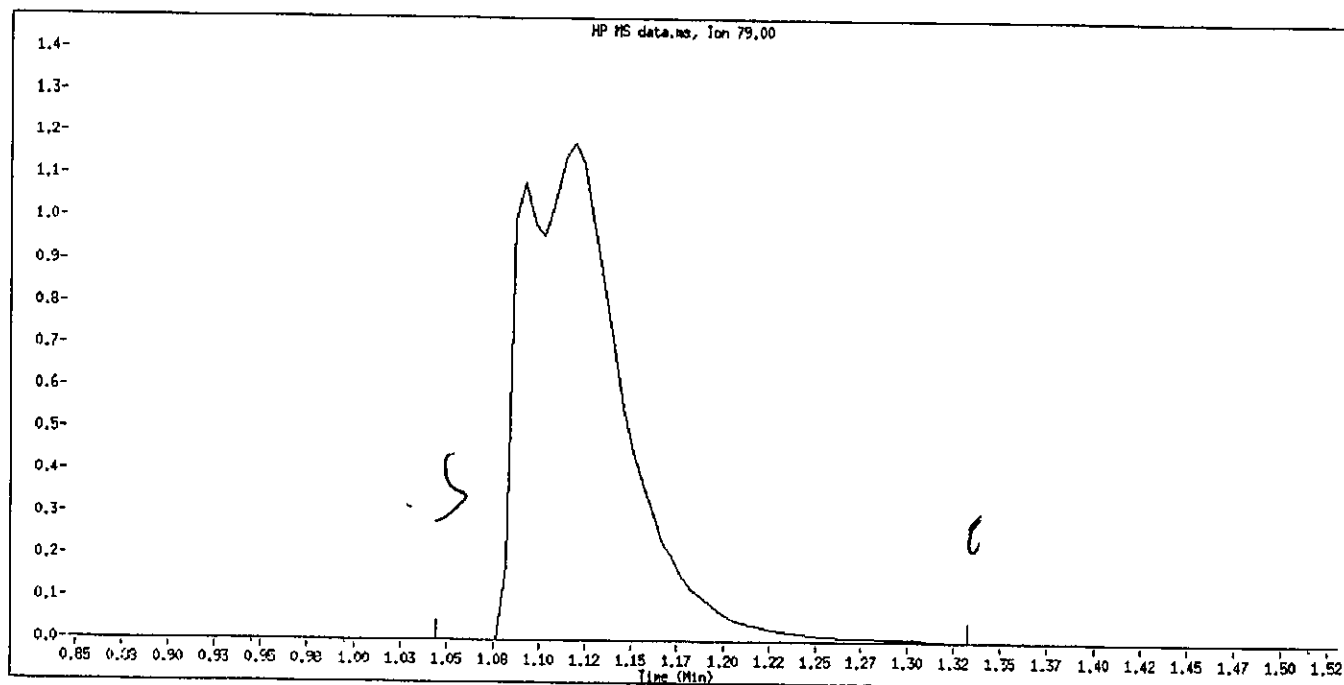
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File Name 50803CC5.D
Inj Date and Time 03-AUG-2000 17:20
Instrument ID. 71.1
Client ID sstd160
Compound Name. Pyridine
CAS # 110-96-1
Report Date 08/04/2000

666 245



Original Integration



Manual Integration

Manually Integrated By Bachas
Manual Integration Reason Poor Chromatography

Data File Name S0803CC5.D

Inj. Date and Time 03 AUG-2000 17 20 **666 246**

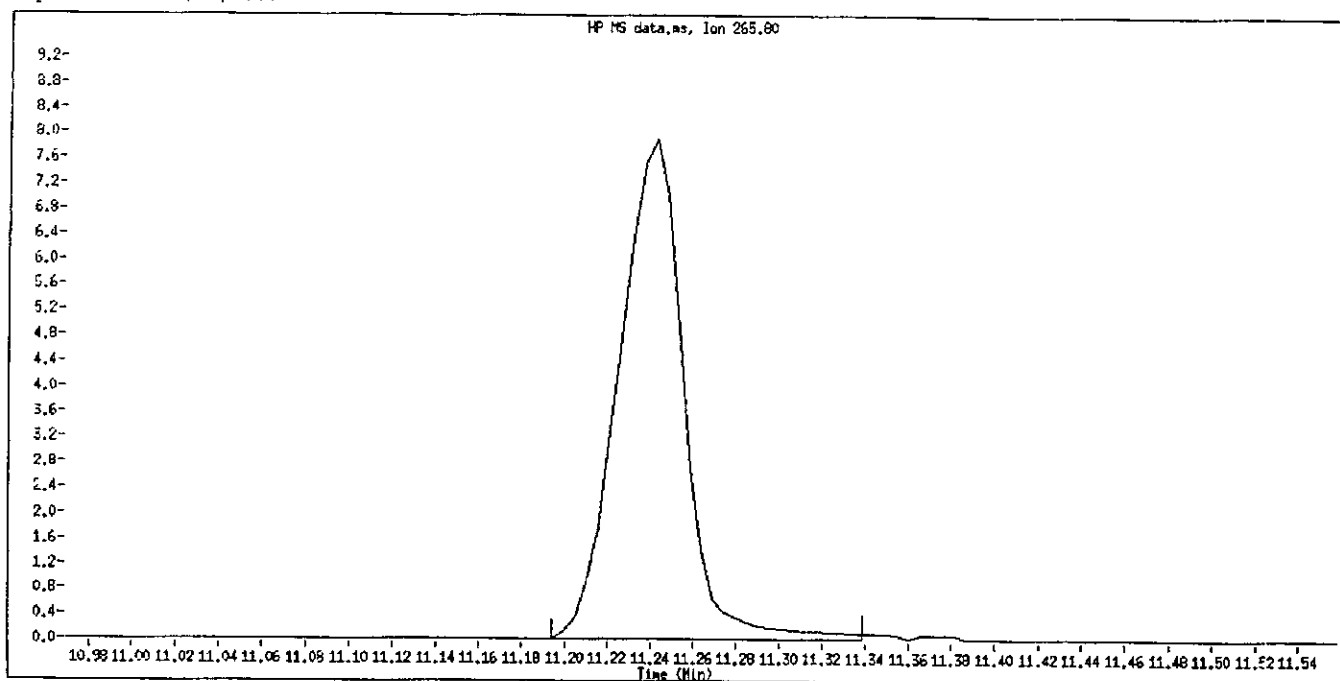
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Client ID sstd160

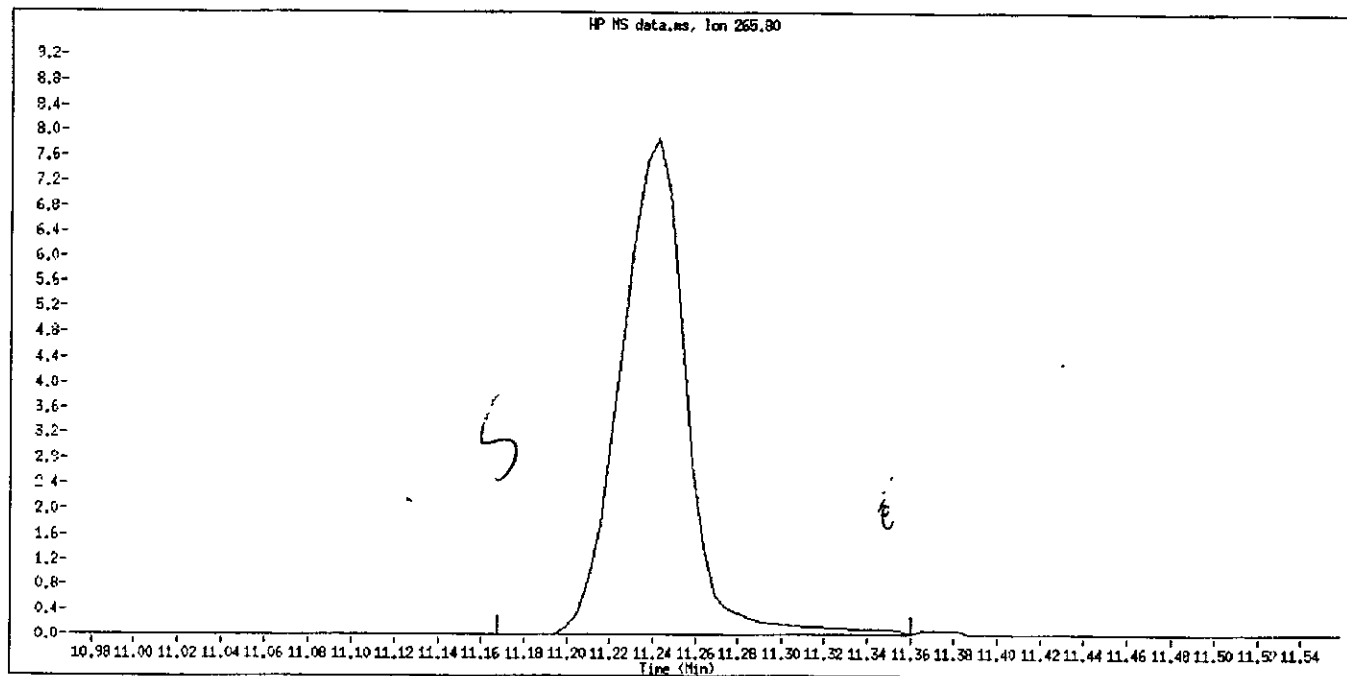
Compound Name Pentachlorophenol

CAS # 87-86-5

Report Date 06/04/2000



Original Integration



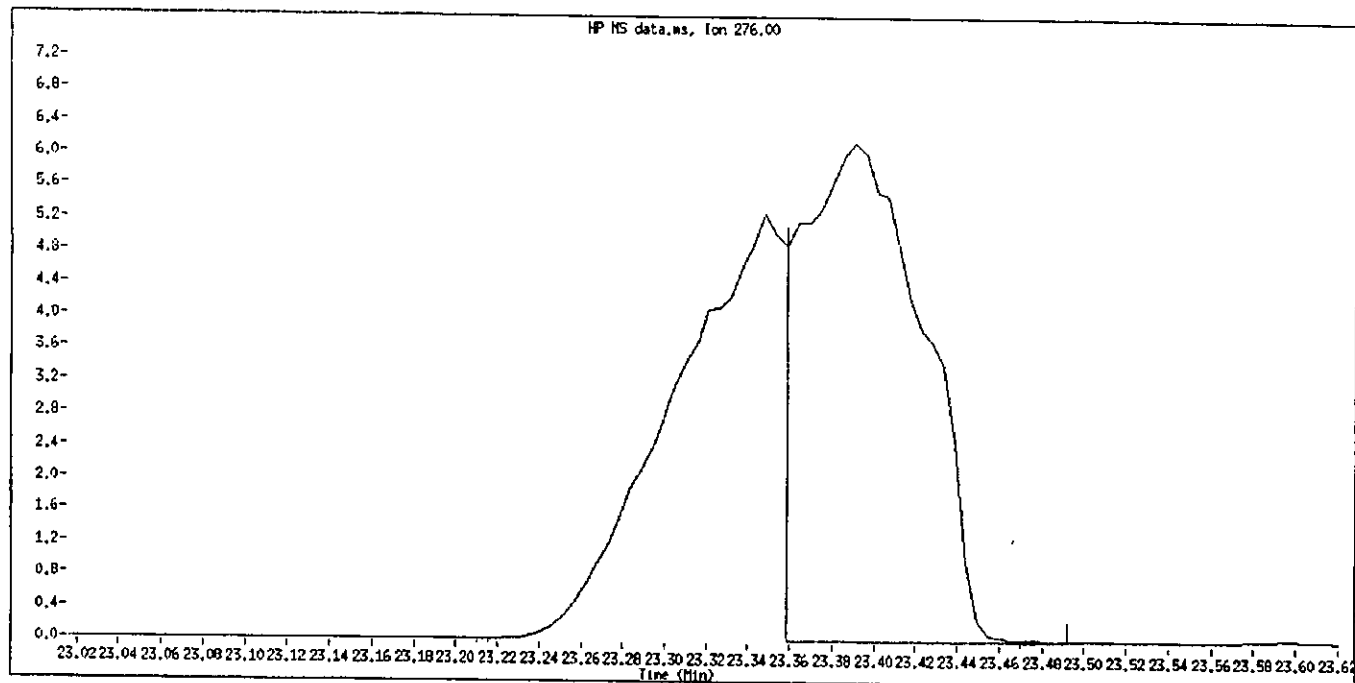
Manual Integration

Manually Integrated By BachaS

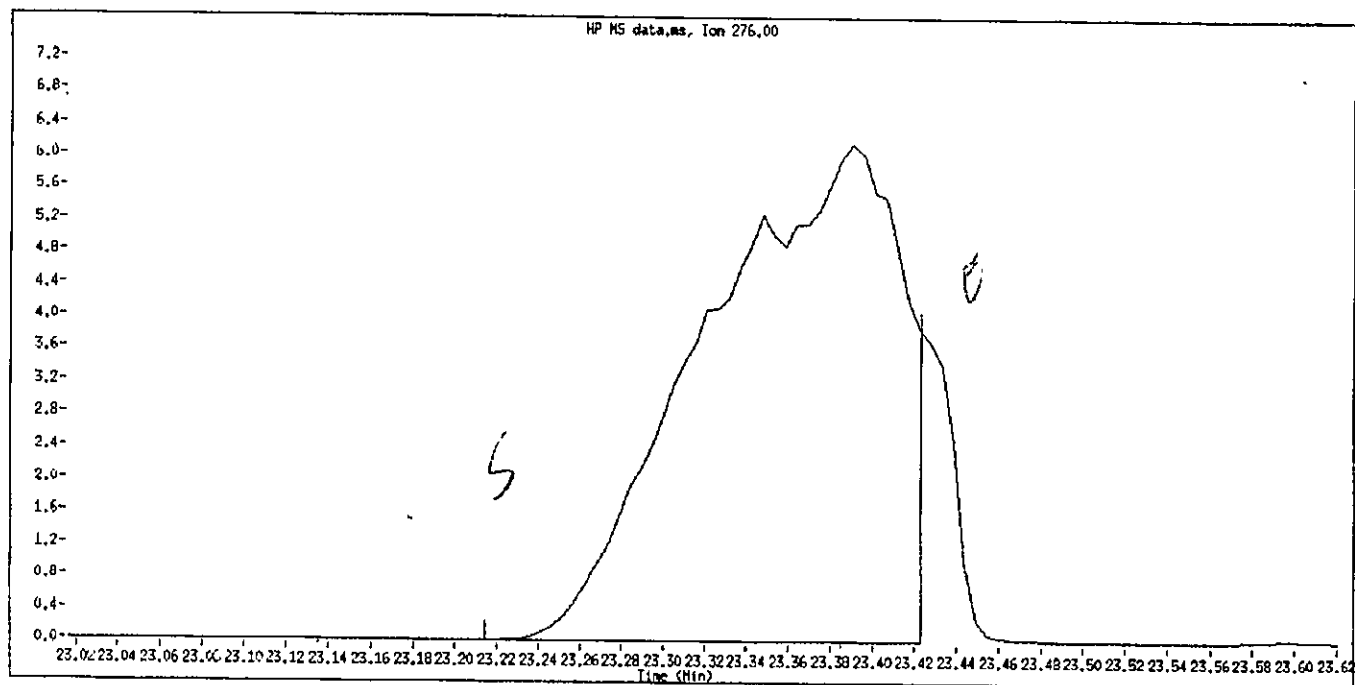
Manual Integration Reason Poor Chromatography

Data File Name S0803005.D
Inj Date and Time 03-AUG-2000 17:20
Instrument ID 711
Client ID 482d160
Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 08/04/2000

666 247



Original Integration



Manual Integration

Manually Integrated By BachaS
Manual Integration Reason Unknown

666. 248 SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

6B

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.:

Instrument ID: 71

Calibration Date(s): 07/20/00 07/20/00

Calibration Time(s): 1355 1602

LAB FILE ID:		RRF20 =S0720CC1		RRF50 =S0720CC2		RRF160=S0720CC5	
RRF80 =S0720CC3		RRF120=S0720CC4					
COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol	2.029	1.971	1.996	1.892	1.837	1.945	4.1
bis(2-Chloroethyl) ether	1.623	1.638	1.634	1.588	1.563	1.609	2.0
2-Chlorophenol	1.436	1.444	1.433	1.351	1.329	1.399	3.9
1,3-Dichlorobenzene	1.581	1.577	1.571	1.495	1.494	1.544	2.9
1,4-Dichlorobenzene	1.605	1.634	1.589	1.516	1.513	1.571	3.5
1,2-Dichlorobenzene	1.495	1.490	1.469	1.399	1.369	1.444	3.9
2-Methylphenol	1.375	1.387	1.380	1.276	1.240	1.332	5.2
2,2'-oxybis(1-Chloropropane)	2.658	2.664	2.598	2.489	2.413	2.564	4.3
4-Methylphenol	1.448	1.466	1.442	1.356	1.298	1.402	5.1
Hexachloroethane	0.677	0.678	0.681	0.660	0.660	0.671	1.5
Nitrobenzene	0.520	0.527	0.527	0.519	0.523	0.523	0.7
Isophorone	0.801	0.804	0.810	0.778	0.779	0.794	1.9
2-Nitrophenol	0.195	0.198	0.204	0.197	0.200	0.199	1.7
2,4-Dimethylphenol	0.371	0.392	0.404	0.393	0.396	0.391	3.2
bis(2-Chloroethoxy)methane	0.478	0.478	0.479	0.466	0.470	0.474	1.2
N-Nitroso-di-n-propylamine	1.322	1.324	1.323	1.250	1.230	1.290	3.6*
2,4-Dichlorophenol	0.279	0.282	0.283	0.272	0.269	0.277	2.3
1,2,4-Trichlorobenzene	0.296	0.296	0.296	0.289	0.292	0.294	1.2
Naphthalene	1.113	1.114	1.105	1.067	1.061	1.092	2.4
4-Chloroaniline	0.422	0.419	0.421	0.400	0.402	0.413	2.6
Hexachlorobutadiene	0.162	0.164	0.165	0.160	0.163	0.163	1.3
4-Chloro-3-Methylphenol	0.333	0.334	0.337	0.323	0.325	0.330	1.8
2-Methylnaphthalene	0.706	0.707	0.700	0.673	0.672	0.692	2.5
Hexachlorocyclopentadiene	0.250	0.289	0.323	0.324	0.345	0.306	12.1*
2,4,6-Trichlorophenol	0.332	0.346	0.348	0.340	0.344	0.342	1.8
2,4,5-Trichlorophenol	0.358	0.363	0.369	0.362	0.352	0.361	1.6
2-Chloronaphthalene	1.169	1.166	1.179	1.146	1.150	1.162	1.2
2-Nitroaniline	0.481	0.500	0.515	0.512	0.532	0.508	3.7
Dimethylphthalate	1.282	1.303	1.294	1.287	1.305	1.294	0.8
Acenaphthylene	1.880	1.878	1.903	1.858	1.863	1.876	0.9
2,6-Dinitrotoluene	0.276	0.291	0.290	0.292	0.298	0.289	2.8
3-Nitroaniline	0.317	0.334	0.340	0.349	0.365	0.341	5.2
Acenaphthene	1.178	1.181	1.190	1.156	1.160	1.173	1.2
2,4-Dinitrophenol	0.104	0.143	0.172	0.193	0.211	0.165	25.7*
4-Nitrophenol	0.186	0.214	0.226	0.251	0.270	0.229	14.2*
Dibenzofuran	1.588	1.616	1.612	1.580	1.591	1.597	1.0
2,4-Dinitrotoluene	0.356	0.378	0.377	0.391	0.413	0.383	5.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH

Contract:

666 249

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.:

Instrument ID: 70

Calibration Date(s): 07/20/00

07/20/00

Calibration Time(s): 1355

1602

LAB FILE ID:		RRF20 =S0720CC1		RRF50 =S0720CC2		RRF80 =S0720CC3		RRF120=S0720CC4		RRF160=S0720CC5		RRF	% RSD
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160							
Diethylphthalate		1.292	1.331	1.309	1.328	1.381	1.328						2.5
4-Chlorophenyl-phenylether		0.572	0.577	0.577	0.561	0.573	0.572						1.1
Fluorene		1.278	1.278	1.275	1.241	1.259	1.266						1.3
4-Nitroaniline		0.290	0.315	0.326	0.360	0.382	0.335						10.9
4,6-Dinitro-2-methylphenol		0.126	0.136	0.152	0.161	0.160	0.147						10.5
N-Nitrosodiphenylamine (1)		0.605	0.530	0.573	0.552	0.540	0.560						5.3
4-Bromophenyl-phenylether		0.197	0.193	0.192	0.182	0.179	0.189						4.1
Hexachlorobenzene		0.200	0.198	0.198	0.188	0.187	0.194						3.2
Pentachlorophenol		0.078	0.102	0.104	0.108	0.115	0.101						13.7
Phenanthrene		1.056	1.056	1.055	1.029	1.026	1.044						1.5
Anthracene		1.083	1.081	1.087	1.073	1.066	1.078						0.8
Carbazole		0.954	0.983	1.002	1.040	1.064	1.009						4.3
Di-n-Butylphthalate		1.216	1.274	1.320	1.369	1.386	1.313						5.3
Fluoranthene		0.969	1.008	1.054	1.141	1.163	1.067						7.8
Pyrene		1.128	1.135	1.081	0.999	1.003	1.069						6.1
Butylbenzylphthalate		0.636	0.670	0.663	0.650	0.652	0.654						2.0
3,3'-Dichlorobenzidine		0.466	0.449	0.472	0.474	0.467	0.466						2.1
Benzo(a)Anthracene		1.101	1.130	1.131	1.107	1.111	1.116						1.2
Chrysene		1.044	1.075	1.059	1.029	1.032	1.048						1.9
bis(2-ethylhexyl)Phthalate		0.996	1.025	0.981	0.956	0.959	0.983						2.9
Di-n-octylphthalate		1.604	1.633	1.531	1.454	1.414	1.527						6.2
Benzo(b)fluoranthene		1.051	1.083	1.145	1.161	1.364	1.161						10.5
Benzo(k)fluoranthene		1.160	1.154	1.113	0.944	0.805	1.035						15.1
Benzo(a)pyrene		1.066	1.081	1.079	1.042	1.046	1.063						1.7
Indeno(1,2,3-cd)pyrene		1.333	1.325	1.383	1.341	1.442	1.365						3.6
Dibenz(a,h)anthracene		1.344	1.350	1.358	1.331	1.408	1.358						2.2
Benzo(g,h,i)perylene		1.346	1.347	1.354	1.360	1.411	1.364						2.0
Pyridine		1.711	1.512	1.707	1.663	1.662	1.651						4.9
N-Nitrosodimethylamine		0.967	0.970	0.976	0.955	0.957	0.965						0.9
Aniline		2.571	2.067	2.394	2.256	2.186	2.295						8.5
Benzyl Alcohol		1.075	1.021	1.016	1.009	0.981	1.020						3.3
Benzoic Acid		0.057	0.112	0.159	0.175	0.189	0.138						38.8
1-Methylnaphthalene		0.669	0.634	0.644	0.627	0.616	0.638						3.2
2,3,4,6-Tetrachlorophenol		0.237	0.239	0.250	0.258	0.256	0.248						3.9
2,3,5,6-Tetrachlorophenol		0.229	0.239	0.247	0.253	0.262	0.246						5.2
1,2-Diphenylhydrazine		1.227	1.185	1.208	1.135	1.205	1.192						2.9
Benidine		0.645	0.462	0.619	0.576	0.543	0.569						12.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Contract:

SDG No. :

07/20/00

1602

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

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INITIAL CALIBRATION REPORT

Instrument ID: 71.i
Lab File ID: S0720CC5.D
Analysis Type: NONE

Injection Date: 20-JUL-2000 16:02
Lab Sample ID: sstd160
Method File: \\Qpitpa02\D\chem\71.i\s072000.b\

COMPOUND	%RSD
Benzo(b)fluoranthene	10.5
7,12-dimethylbenz(a)anthracene	2.3
Benzo(k)fluoranthene	15.1
Benzo(a)pyrene	1.7
Indeno(1,2,3-cd)pyrene	3.4
Dibenz(a,h)anthracene	2.2
Benzo(g,h,i)perylene	2.0

The average of all %RSD's in the initial calibration is 4.9

666 252

INITIAL CALIBRATION REPORT

Instrument ID: 71.1
Lab File ID: S0720CC5.D
Analysis Type: NONE

Injection Date: 20-JUL-2000 16:02
Lab Sample ID: sstd160
Method File: \\Qpitpa02\D\chem\71.1\s072000.b\

COMPCUND	%RSD
2-Chloronaphthalene	1.2
2-Nitroaniline	3.7
Dimethylphthalate	0.8
Acenaphthylene	0.9
2,6-Dinitrotoluene	2.8
3-Nitroaniline	5.2
Acenaphthene	1.2
2,4-Dinitrophenol	25.7
Dibenzofuran	1.0
4-Nitrophenol	14.2
2,4-Dinitrotoluene	5.4
2,3,5,6-Tetrachlorophenol	5.2
2-Naphtnylamine	20.9
2,3,4,6-Tetrachlorophenol	3.9
Diethylphthalate	2.5
Fluorene	1.3
4-Chlorophenyl-phenylether	1.1
4-Nitroaniline	10.9
4,6-Dinitro-2-methylphenol	10.5
N-Nitrosodiphenylamine (1)	5.3
1,2-Diphenylhydrazine	2.9
2,4,6-Tribromophenol	1.0
4-Bromophenyl-phenylether	4.1
Hexachlorobenzene	3.2
Pentachlorophenol	13.7
Phenanthrene	1.5
Anthracene	0.8
Carbazole	4.3
Di-n-Butylphthalate	5.3
Fluoranthene	7.8
Benzidine	12.5
Pyrene	6.1
Terphenyl-d14	4.2
Butylbenzylphthalate	2.0
Benzo(a)Anthracene	1.2
3,3'-Dichlorobenzidine	2.1
Chrysene	1.9
bis(2-ethylhexyl)Phthalate	2.9
Di-n-octylphthalate	6.2

INITIAL CALIBRATION REPORT

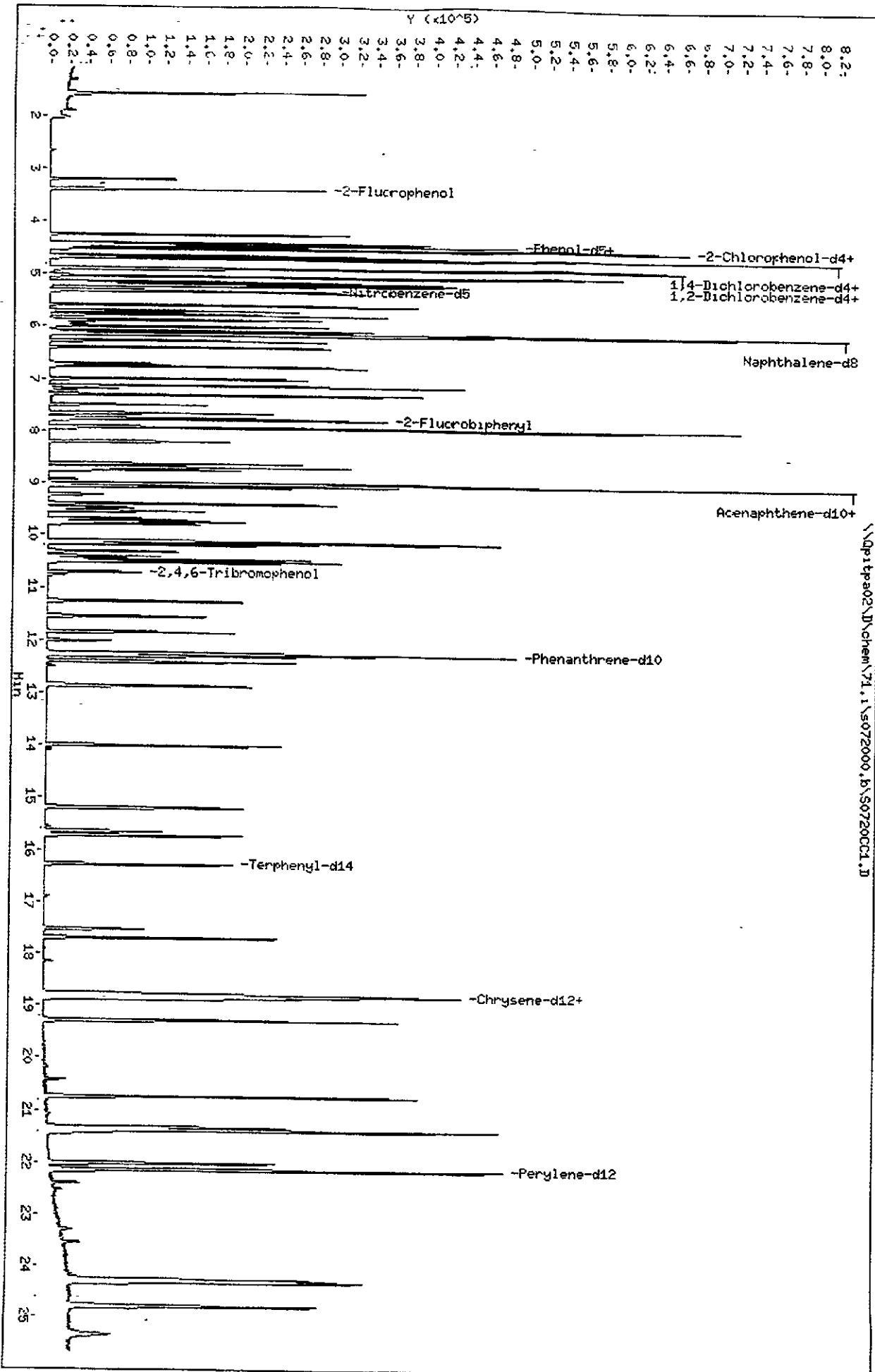
Instrument ID: 71.i
 Lab File ID: S0720CC5.D
 Analysis Type: NONE

Injection Date: 20-JUL-2000 16:02
 Lab Sample ID: sstd160
 Method File: \\Qpitpa02\D\chem\71.i\s072000.b\

COMPOUND	%RSD
Pyridine	5.2
N-Nitrosodimethylamine	1.0
Methyl methanesulfonate	18.8
2-Fluorophenol	1.9
Aniline	8.5
Phenol-d5	4.5
Phenol	4.1
bis(2-Chloroethyl)ether	2.0
2-Chlorophenol-d4	3.5
2-Chlorophenol	3.9
1,3-Dichlorobenzene	2.9
1,4-Dichlorobenzene	3.5
1,2-Dichlorobenzene-d4	3.2
Benzyl Alcohol	3.3
1,2-Dichlorobenzene	3.9
2,2'-oxybis(1-Chloropropane)	4.3
2-Methylphenol	5.2
N-Nitroso-di-n-propylamine	3.6
4-Methylphenol	5.1
Hexachloroethane	1.5
Nitrobenzene-d5	2.2
Nitrobenzene	0.7
Isophorone	1.9
2-Nitrophenol	1.7
2,4-Dimethylphenol	3.2
bis(2-Chloroethoxy)methane	1.2
2,4-Dichlorophenol	2.3
Benzoic Acid	38.8
1,2,4-Trichlorobenzene	1.2
Naphthalene	2.4
4-Chloroaniline	2.6
Hexachlorobutadiene	1.3
4-Chloro-3-Methylphenol	1.8
2-Methylnaphthalene	2.5
1-Methylnaphthalene	3.2
Hexachlorocyclopentadiene	12.1
2,4,6-Trichlorophenol	1.8
2,4,5-Trichlorophenol	1.6
2-Fluorobiphenyl	1.6

Data File: \\Op1tpa02\chem\71.1\5072000.b\5072000C1.D
 Date: 20-JUL-2000 14:27
 Client ID: sstd020
 Sample Info: sstd020(10 ug/ml) 194-175-10 8270/c/p
 Column phase: hp5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\71.i\s072000.b\S0720CC1.D
Lab Smp Id: sstd20 Client Smp ID: sstd020
Inj Date : 20-JUL-2000 14:27
Operator : 045183 Inst ID: 71.i
Smp Info : sstd20(10 ug/ml) 194-175-10 8270/clp
Misc Info : sstd20,s072000.b,8270clp.m,1-82701.sub,1,1
Comment :
Method : \\Qpitpa02\D\chem\71.i\s072000.b\8270clp.m
Meth Date : 20-Jul-2000 15:59 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 15:30 Cal File: S0720CC4.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC050

7/20/00

Compound Sublist: 1-82701.sub

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.684	4.684	(1.000)	119051	40.0000	
* 2 Naphthalene-d8	136	6.131	6.131	(1.000)	465315	40.0000	
* 3 Acenaphthene-d10	164	9.021	9.021	(1.000)	243134	40.0000	
* 4 Phenanthrene-d10	188	12.248	12.248	(1.000)	368987	40.0000	
* 5 Chrysene-d12	240	18.808	18.808	(1.000)	324274	40.0000	
* 6 Perylene-d12	264	22.142	22.142	(1.000)	416986	40.0000	
13 N-Nitrosodimethylamine	74	1.564	1.564	(0.334)	57549	20.0000	19.998 (M)
10 Pyridine	79	1.569	1.569	(0.335)	101873	20.0000	20.827 (M)
19 Methyl methanesulfonate	80	3.204	3.204	(0.684)	61333	20.0000	22.867
22 Aniline	93	4.400	4.400	(0.940)	153066	20.0000	22.147
23 Phenol	94	4.443	4.443	(0.949)	120806	20.0000	20.582
24 bis(2-Chloroethyl)ether	93	4.470	4.470	(0.954)	96598	20.0000	20.026
25 2-Chlorophenol	128	4.518	4.518	(0.965)	85504	20.0000	20.287
27 1,3-Dichlorobenzene	146	4.641	4.641	(0.991)	94104	20.0000	20.318
28 1,4-Dichlorobenzene	146	4.700	4.700	(1.003)	95555	20.0000	20.242
29 1,2-Dichlorobenzene	146	4.892	4.892	(1.044)	89003	20.0000	20.438
30 Benzyl Alcohol	108	4.870	4.870	(1.040)	63986	20.0000	20.866
31 2-Methylphenol	108	5.036	5.036	(1.075)	81845	20.0000	20.300
32 2,2'-oxybis(1-Chloropropane)	45	5.025	5.025	(1.073)	158244	20.0000	20.430
33 N-Nitroso-di-n-propylamine	70	5.175	5.175	(1.105)	78671	20.0000	20.261
35 4-Methylphenol	108	5.191	5.191	(1.108)	86179	20.0000	20.276
38 Hexachloroethane	117	5.212	5.212	(1.113)	40315	20.0000	20.092
39 Nitrobenzene	77	5.325	5.325	(0.868)	120949	20.0000	19.864
44 Isophorone	82	5.586	5.586	(0.911)	186286	20.0000	20.060
45 2-Nitrophenol	139	5.693	5.693	(0.929)	45417	20.0000	19.647
46 2,4-Dimethylphenol	107	5.773	5.773	(0.942)	86230	20.0000	19.003

7/20/00

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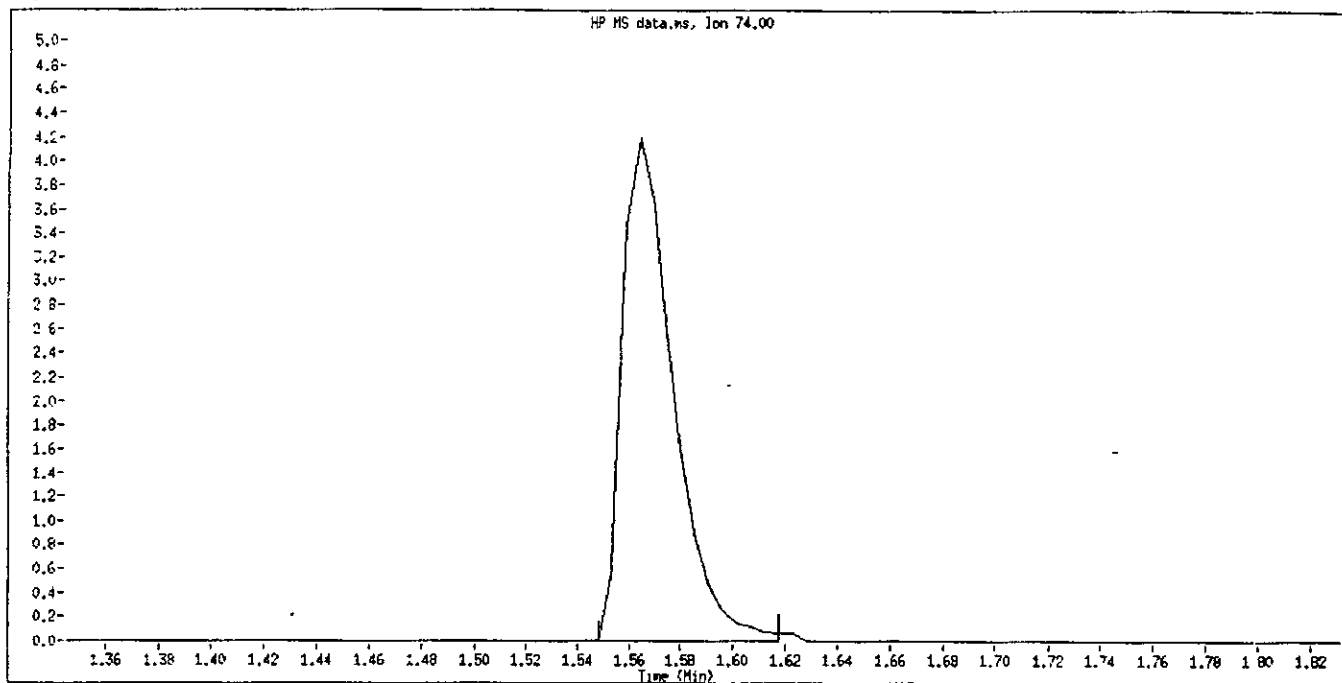
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
47 bis (2-Chloroethoxy)methane	93	5.869	5.869	(0.957)	111323	20.0000	20.131
51 2,4-Dichlorophenol	162	5.998	5.998	(0.978)	64955	20.0000	19.987
52 Benzoic Acid	122	5.896	5.896	(0.962)	13353	20.0000	9.1109 (H)
53 1,2,4-Trichlorobenzene	180	6.078	6.078	(0.991)	58900	20.0000	20.112
54 Naphthalene	128	6.153	6.153	(1.003)	258937	20.0000	20.238
55 4-Chloroaniline	127	6.270	6.270	(1.023)	98214	20.0000	20.311
59 Hexachlorobutadiene	225	6.398	6.398	(1.044)	37671	20.0000	19.886
62 4-Chloro-3-Methylphenol	107	6.997	6.997	(1.141)	77583	20.0000	20.088
65 2-Methylnaphthalene	142	7.136	7.136	(1.164)	164334	20.0000	20.277
66 1-Methylnaphthalene	142	7.306	7.306	(1.192)	155633	20.0000	20.788
67 Hexachlorocyclopentadiene	237	7.504	7.504	(0.832)	30444	20.0000	16.870
69 2,4,6-Trichlorophenol	196	7.664	7.664	(0.850)	40421	20.0000	19.480
70 2,4,5-Trichlorophenol	196	7.745	7.745	(0.858)	43588	20.0000	19.757
73 2-Chloronaphthalene	162	7.937	7.937	(0.880)	142163	20.0000	20.074
77 2-Nitroaniline	65	8.215	8.215	(0.911)	58439	20.0000	19.147
80 Dimethylnaphthalene	163	8.631	8.631	(0.957)	155829	20.0000	19.848
82 2,6-Dinitrotoluene	165	8.760	8.760	(0.971)	33537	20.0000	19.214
83 Acenaphthylene	152	8.711	8.711	(0.966)	228499	20.0000	20.000
85 3-Nitroaniline	138	9.021	9.021	(1.000)	38539	20.0000	18.927
86 Acenaphthene	153	9.080	9.080	(1.007)	143226	20.0000	20.028
87 2,4-Dinitrophenol	184	9.230	9.230	(1.023)	12676	20.0000	13.617
89 4-Nitrophenol	109	9.486	9.486	(1.052)	22598	20.0000	16.956
90 Dibenzofuran	168	9.406	9.406	(1.043)	193086	20.0000	19.863
91 2,4-Dinitrotoluene	165	9.545	9.545	(1.058)	43322	20.0000	18.983
95 2,3,5,6-Tetrachlorophenol	232	9.700	9.700	(1.075)	27807	20.0000	18.909
92 2,3,4,6-Tetrachlorophenol	232	9.796	9.796	(1.086)	26826	20.0000	19.273
96 2-Naphthylamine	143	9.753	9.753	(1.081)	121583	20.0000	23.914
97 Diethylphthalate	149	10.122	10.122	(1.122)	157102	20.0000	19.655
98 Fluorene	166	10.138	10.138	(1.124)	155382	20.0000	20.159
99 4-Chlorophenyl-phenylether	204	10.181	10.181	(1.128)	69563	20.0000	20.014
100 4-Nitroaniline	138	10.319	10.319	(1.144)	35263	20.0000	17.981
102 4,6-Dinitro-2-methylphenol	198	10.416	10.416	(0.850)	23212	20.0000	17.498
103 N-Nitrosodiphenylamine (1)	169	10.474	10.474	(0.855)	111614	20.0000	21.403
104 1,2-Diphenylhydrazine	77	10.522	10.522	(0.859)	226313	20.0000	20.638
112 4-Bromophenyl-phenylether	248	11.265	11.265	(0.920)	36333	20.0000	20.626
113 Hexachlorobenzene	284	11.548	11.548	(0.943)	36965	20.0000	20.401
117 Pentachlorophenol	266	12.013	12.013	(0.981)	14478	20.0000	15.943
122 Phenanthrene	178	12.296	12.296	(1.004)	194853	20.0000	20.134
123 Anthracene	178	12.403	12.403	(1.013)	199845	20.0000	20.040
126 Carbazole	167	12.862	12.862	(1.050)	175950	20.0000	19.177
130 Di-n-Butylphthalate	149	14.000	14.000	(1.143)	224339	20.0000	18.782
135 Fluoranthene	202	15.197	15.197	(1.241)	178731	20.0000	18.579
136 Benzidine	184	15.646	15.646	(0.832)	104580	20.0000	22.411
137 Pyrene	202	15.726	15.726	(0.836)	182960	20.0000	20.781
144 Butylbenzylphthalate	149	17.697	17.697	(0.941)	103186	20.0000	19.438
149 3,3'-Dichlorobenzidine	252	18.840	18.840	(1.002)	75539	20.0000	20.024
150 Benzo(a)Anthracene	228	18.765	18.765	(0.998)	178497	20.0000	19.707

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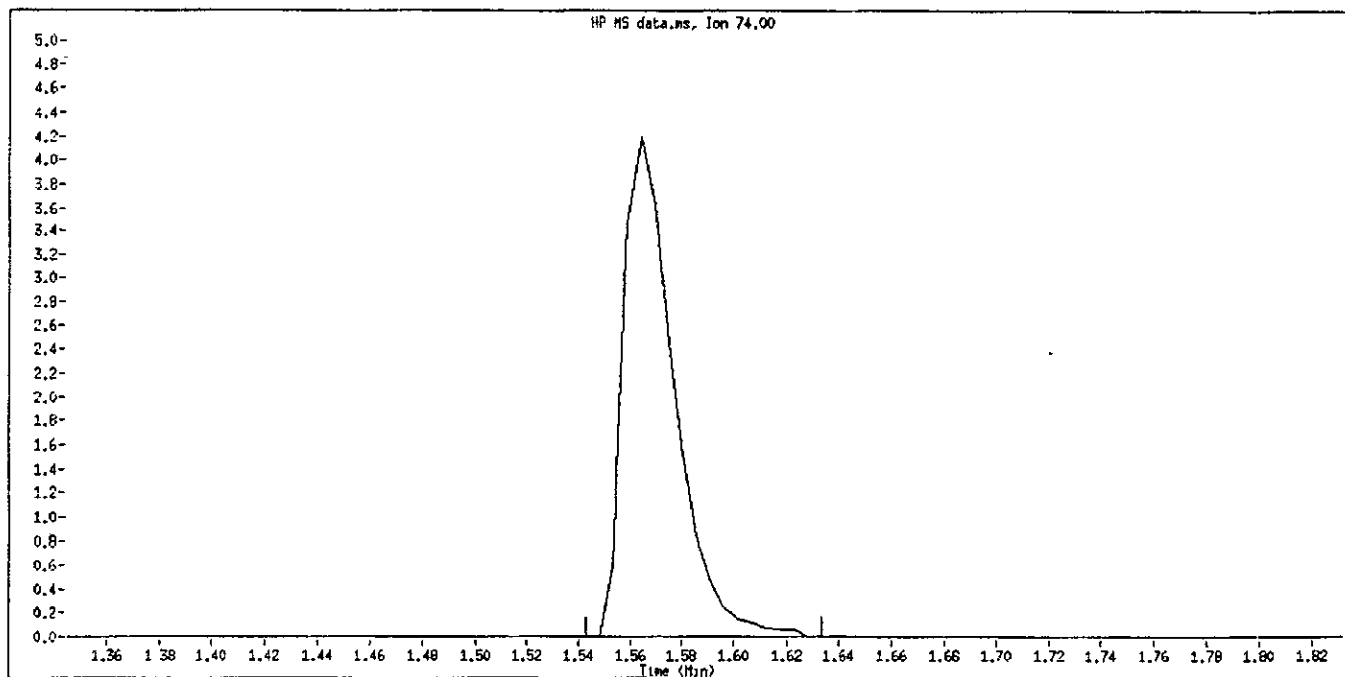
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
151 Chrysene	228	18.867	18.867	(1.003)	169356	20.0000	19.860
153 bis(2-ethylhexyl)Phthalate	149	19.278	19.278	(1.025)	161531	20.0000	20.134
155 Di-n-octylphthalate	149	20.737	20.737	(0.937)	334469	20.0000	20.624
157 Benzo(b)fluoranthene	252	21.324	21.324	(0.963)	219218	20.0000	18.941
158 Benzo(k)fluoranthene	252	21.383	21.383	(0.966)	241958	20.0000	21.238
159 7,12-dimethylbenz(a)anthracen	256	21.388	21.388	(0.966)	96431	20.0000	19.357
167 Benzo(a)pyrene	252	22.013	22.013	(0.994)	222286	20.0000	19.979
169 Indeno(1,2,3-cd)pyrene	276	24.273	24.273	(1.096)	277873	20.0000	18.354 (M)
170 Dibenzo(a,h)anthracene	278	24.316	24.316	(1.098)	280156	20.0000	19.968
171 Benzo(g,h,i)perylene	276	24.786	24.786	(1.119)	280688	20.0000	19.918
\$ 172 Nitrobenzene-d5	82	5.309	5.309	(0.866)	108753	20.0000	19.526
\$ 173 2-Fluorobiphenyl	172	7.787	7.787	(0.863)	157027	20.0000	19.833
\$ 174 Terphenyl-d14	244	16.281	16.281	(0.866)	133855	20.0000	20.301
\$ 175 Phenol-d5	99	4.432	4.432	(0.946)	113052	20.0000	20.861
\$ 176 2-Fluorophenol	112	3.396	3.396	(0.725)	81877	20.0000	20.318
\$ 177 2,4,6-Tribromophenol	330	10.720	10.720	(0.875)	18628	20.0000	20.058
\$ 178 2-Chlorophenol-d4	132	4.502	4.502	(0.961)	78172	20.0000	20.650
\$ 179 1,2-Dichlorobenzene-d4	152	4.876	4.876	(1.041)	52907	20.0000	20.203

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Original Integration

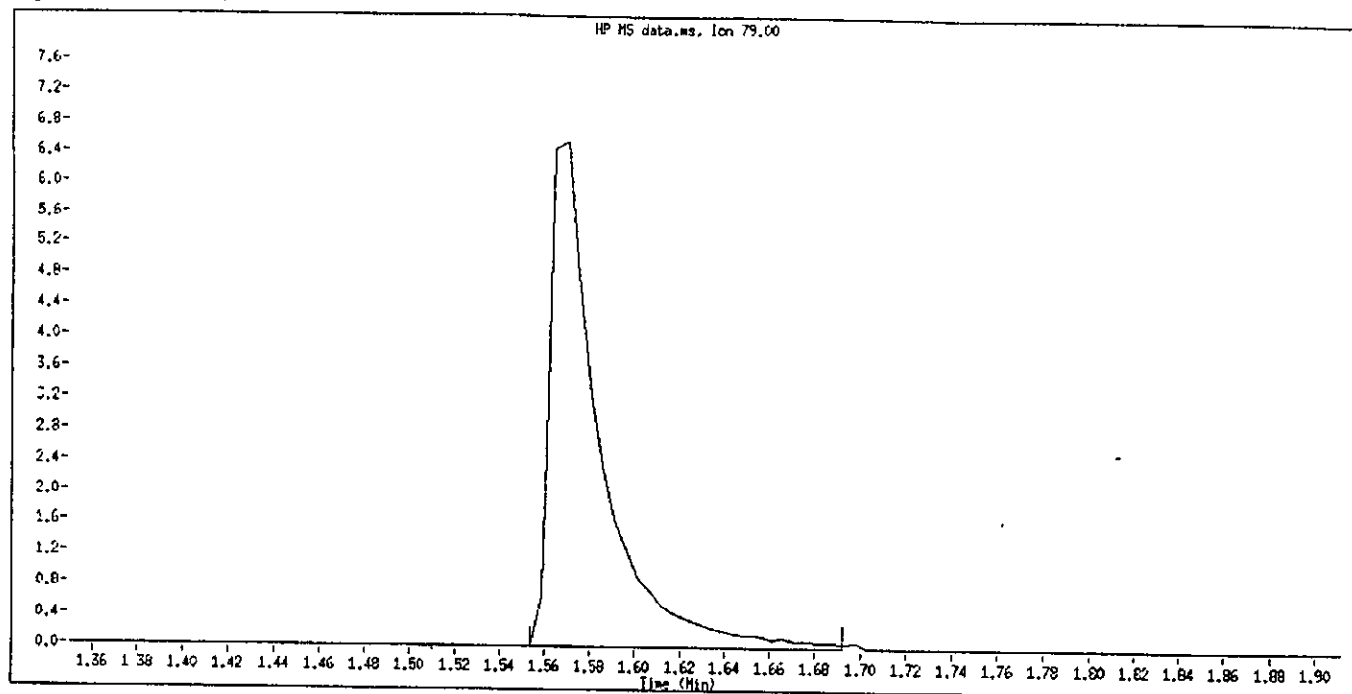


Manual Integration

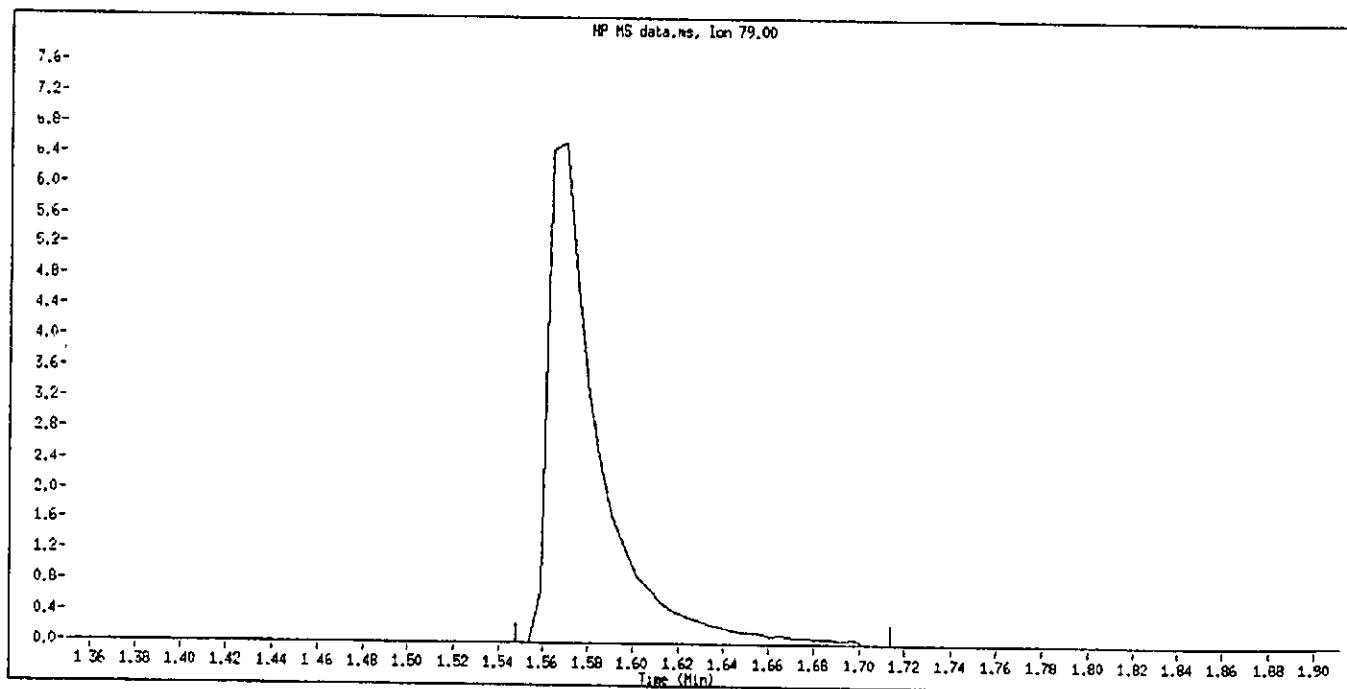
Manually Integrated By: Bachas/vvp 7/20/00
Manual Integration Reason: Poor Chromatography

Data File Name S0720CC1.D
Inj Date and Time 20-JUL-2000 14:27
Instrument ID 71
Client ID sstdc20
Compound Name Pyridine
CAS # 110-86-1
Report Date 07/20/2000

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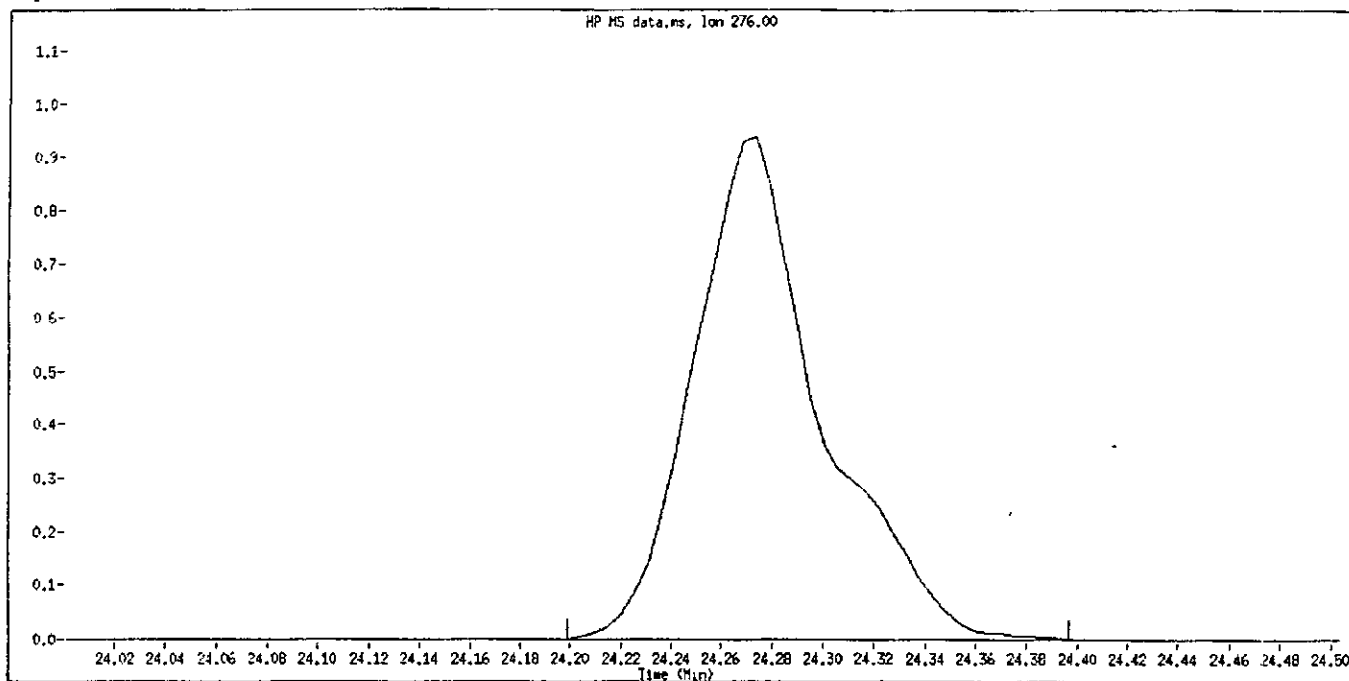


Original Integration

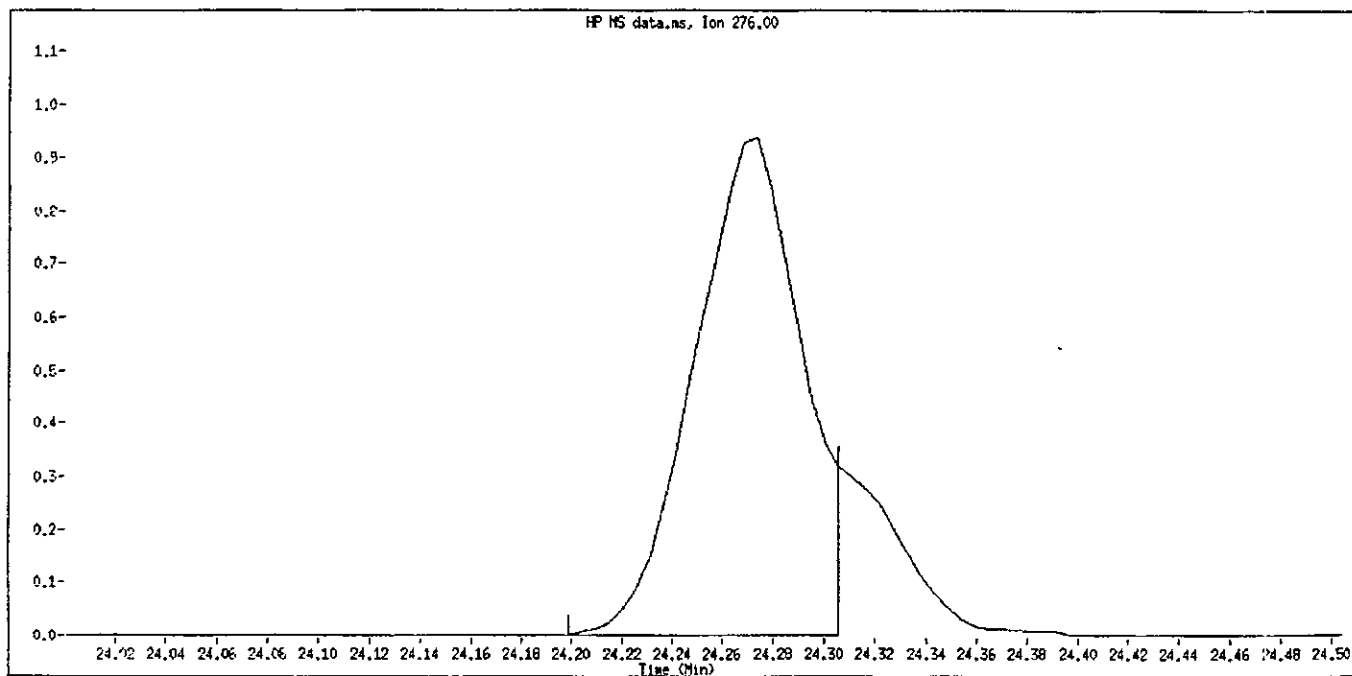


Manual Integration

Manually Integrated By Bachas/VUP 7/20/00
Manual Integration Reason: Poor Chromatography



Original Integration



Manual Integration

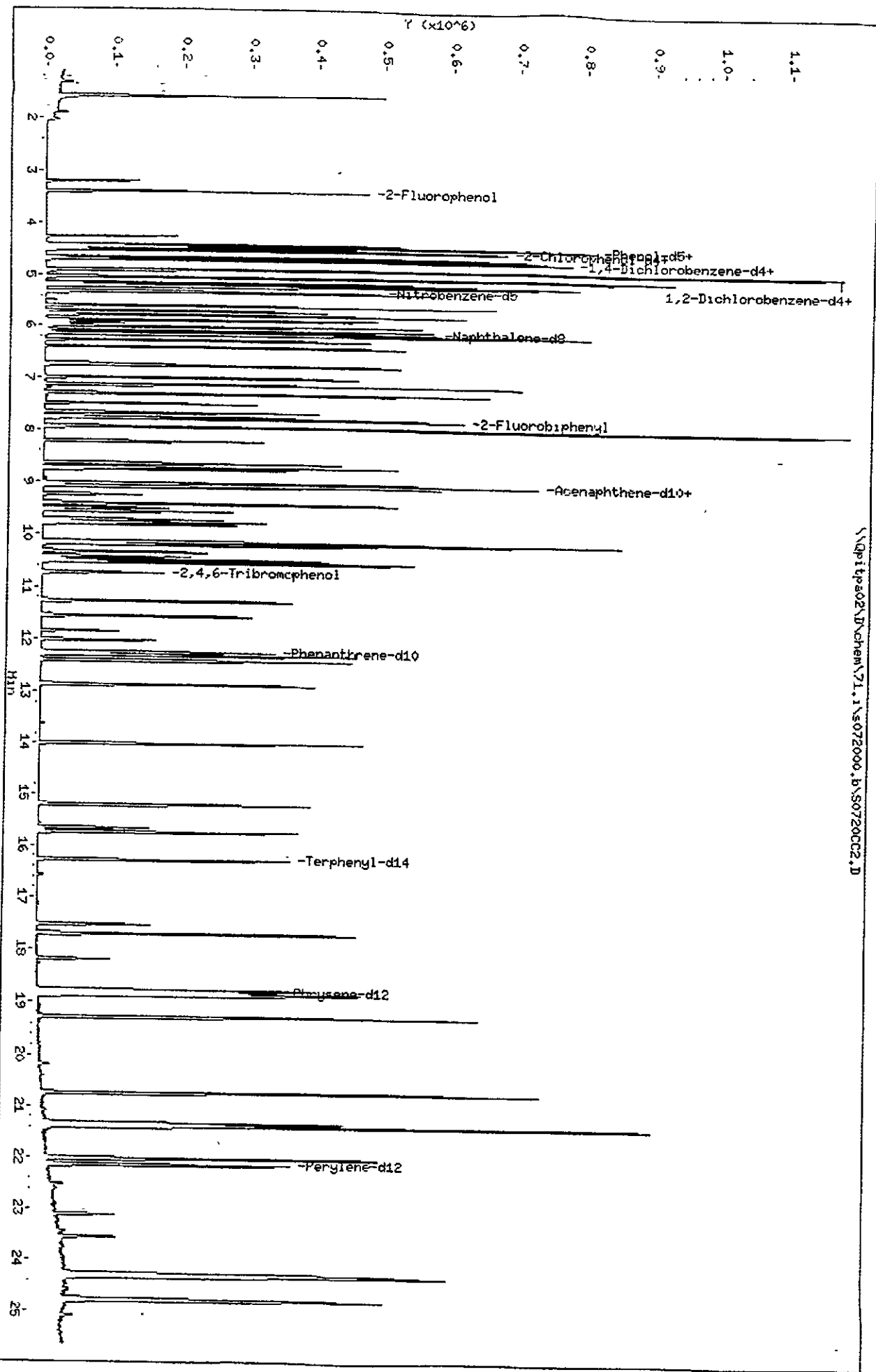
Manually Integrated By

BacnaS /w/ 7/20/00

Manual Integration Reason Poor Chromatography

Data File: \\dptps02\chem\71.1\5072000.b\50720002.D
 Date: 20-JUL-2000 13:55
 Client ID: sstd050
 Sample Info: sstd50(25 ug/ml) 194-182-1 8270/c/p
 Column phase: Hp5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\71.i\s072000.b\S0720CC2.D
Lab Smp Id: sstd50 Client Smp ID: sstd050
Inj Date : 20-JUL-2000 13:55
Operator : 045183 Inst ID: 71.i
Smp Info : sstd50(25 ug/ml) 194-182-1 8270/clp
Misc Info : sstd50,s072000.b,8270clp.m,1-82701.sub,1,2
Comment :
Method : \\Qpitpa02\D\chem\71.i\s072000.b\8270clp.m
Meth Date : 20-Jul-2000 14:56 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 13:55 Cal File: S0720CC2.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

7/24/00

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
*****	=====	=====	=====	=====	=====	=====	=====	=====
* 1 1,4-Dichlorobenzene-d4		152	4.680	4.680	(1.000)	81232	40.0000	
* 2 Naphthalene-d8		136	6.128	6.128	(1.000)	316158	40.0000	
* 3 Acenaphthene-d10		164	9.018	9.018	(1.000)	165182	40.0000	
* 4 Phenanthrene-d10		188	12.244	12.244	(1.000)	263166	40.0000	
* 5 Chrysene-d12		240	18.810	18.810	(1.000)	238604	40.0000	
* 6 Perylene-d12		264	22.143	22.143	(1.000)	309042	40.0000	
13 N-Nitrosodimethylamine		74	1.560	1.560	(0.333)	98549	50.0000	53.415
10 Pyridine		79	1.566	1.566	(0.335)	153511	50.0000	47.165 (M)
19 Methyl methanesulfonate		80	3.200	3.200	(0.684)	62010	50.0000	38.865
22 Aniline		93	4.402	4.402	(0.941)	209932	50.0000	44.483
23 Phenol		94	4.445	4.445	(0.950)	200097	50.0000	50.155
24 bis(2-Chloroethyl)ether		93	4.466	4.466	(0.954)	166309	50.0000	51.663
25 2-Chlorophenol		128	4.520	4.520	(0.966)	146623	50.0000	51.941
27 1,3-Dichlorobenzene		146	4.643	4.643	(0.992)	160163	50.0000	51.509
28 1,4-Dichlorobenzene		146	4.696	4.696	(1.003)	165883	50.0000	52.820
29 1,2-Dichlorobenzene		146	4.888	4.888	(1.045)	151266	50.0000	52.857
30 Benzyl Alcohol		108	4.872	4.872	(1.041)	104415	50.0000	51.516 (M)
31 2-Methylphenol		108	5.038	5.038	(1.076)	140852	50.0000	53.866
32 2,2'-oxybis(1-Chloropropane)		45	5.022	5.022	(1.073)	270540	50.0000	62.907
33 N-Nitroso-di-n-propylamine		70	5.177	5.177	(1.106)	134414	50.0000	59.296
35 4-Methylphenol		108	5.193	5.193	(1.110)	148829	50.0000	53.820
38 Hexachloroethane		117	5.209	5.209	(1.113)	68807	50.0000	54.584
39 Nitrobenzene		77	5.326	5.326	(0.869)	208435	50.0000	58.038
44 Isophorone		82	5.588	5.588	(0.912)	317829	50.0000	56.624
45 2-Nitrophenol		139	5.695	5.695	(0.929)	78301	50.0000	50.367
46 2,4-Dimethylphenol		107	5.775	5.775	(0.942)	155023	50.0000	55.069

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
47 bis(2-Chloroethoxy)methane	97	5.866	5.866	(0.957)	168852	50.0000	52.676
51 2,4-Dichlorophenol	162	5.994	5.994	(0.978)	111625	50.0000	52.206
52 Benzoic Acid	122	5.925	5.925	(0.967)	44499	50.0000	38.768
53 1,2,4-Trichlorobenzene	180	6.080	6.080	(0.992)	117131	50.0000	51.153
54 Napthalene	128	6.154	6.154	(1.004)	440456	50.0000	53.283
55 4-Chloroaniline	127	6.272	6.272	(1.024)	165661	50.0000	51.302
59 Hexachlorobutadiene	225	6.395	6.395	(1.044)	65040	50.0000	53.602
62 4-Chloro-3-Methylphenol	107	6.998	6.998	(1.142)	132060	50.0000	55.080
65 2-Methylnapthalene	142	7.137	7.137	(1.165)	279255	50.0000	53.058
66 1-Methylnapthalene	142	7.303	7.303	(1.192)	250608	50.0000	51.493
67 Hexachlorocyclopentadiene	237	7.501	7.501	(0.832)	59751	50.0000	45.015
69 2,4,6-Trichlorophenol	196	7.666	7.666	(0.850)	71366	50.0000	50.506
70 2,4,5-Trichlorophenol	196	7.746	7.746	(0.859)	74938	50.0000	50.307
73 2-Chloronaphthalene	162	7.939	7.939	(0.880)	240692	50.0000	52.795
77 2-Nitroaniline	65	8.216	8.216	(0.911)	103250	50.0000	60.342
80 Dimethylnthalate	163	8.638	8.638	(0.958)	269047	50.0000	53.222
82 2,6-Dinitrotoluene	165	8.756	8.756	(0.971)	60078	50.0000	51.733
83 Acenaphthylene	152	8.713	8.713	(0.966)	387770	50.0000	51.533
85 3-Nitroaniline	138	9.023	9.023	(1.001)	69022	50.0000	49.825
86 Acenaphthene	153	9.082	9.082	(1.007)	243939	50.0000	51.998
87 2,4-Dinitrophenol	184	9.231	9.231	(1.024)	29537	50.0000	52.690
89 4-Nitrophenol	109	9.488	9.488	(1.052)	44182	50.0000	60.545
90 Dibenzofuran	168	9.408	9.408	(1.043)	333685	50.0000	51.607
91 2,4-Dinitrotoluene	165	9.552	9.552	(1.059)	78048	50.0000	50.492
95 2,3,5,6-Tetrachlorophenol	232	9.702	9.702	(1.076)	49331	50.0000	48.766
92 2,3,4,6-Tetrachlorophenol	232	9.798	9.798	(1.086)	49270	50.0000	48.908
96 2-Naphtylamine	143	9.755	9.755	(1.082)	196587	50.0000	48.441
97 Dietnylphthalate	149	10.124	10.124	(1.123)	274748	50.0000	55.391
98 Fluorene	166	10.134	10.134	(1.124)	263824	50.0000	51.835
99 4-Chlorophenyl-phenyletner	204	10.182	10.182	(1.129)	119100	50.0000	50.887
100 4-Nitroaniline	138	10.327	10.327	(1.145)	65038	50.0000	47.511
102 4,6-Dinitro-2-methylphenol	198	10.417	10.417	(0.851)	44781	50.0000	53.295
103 N-Nitrosodiphenylamine (1)	169	10.476	10.476	(0.856)	174524	50.0000	49.749
104 1,2-Diphenylhydrazine	77	10.524	10.524	(0.860)	389719	50.0000	60.768
112 4-Bromophenyl-phenyletner	248	11.267	11.267	(0.920)	63467	50.0000	51.950
113 Hexachlorobenzene	284	11.550	11.550	(0.943)	65310	50.0000	51.293
117 Pentachlorophenol	266	12.015	12.015	(0.981)	33637	50.0000	50.048
122 Phenanthrene	178	12.298	12.298	(1.004)	347555	50.0000	52.386
123 Anthracene	178	12.399	12.399	(1.013)	355475	50.0000	52.180
126 Carbazole	167	12.864	12.864	(1.051)	323459	50.0000	50.743
130 Di-n-Butylphthalate	149	14.002	14.002	(1.144)	419270	50.0000	52.747
135 Fluoranthene	202	15.199	15.199	(1.241)	331699	50.0000	49.674
136 Benzidine	184	15.642	15.642	(0.832)	137958	50.0000	39.709
137 Pyrene	202	15.727	15.727	(0.836)	338557	50.0000	50.227
144 Butylbenzylphthalate	149	17.699	17.699	(0.941)	199853	50.0000	49.760
149 3,3'-Dichlorobenzidine	252	18.842	18.842	(1.002)	134028	50.0000	48.897
150 Benzo(a)Anthracene	228	18.767	18.767	(0.998)	337008	50.0000	49.717

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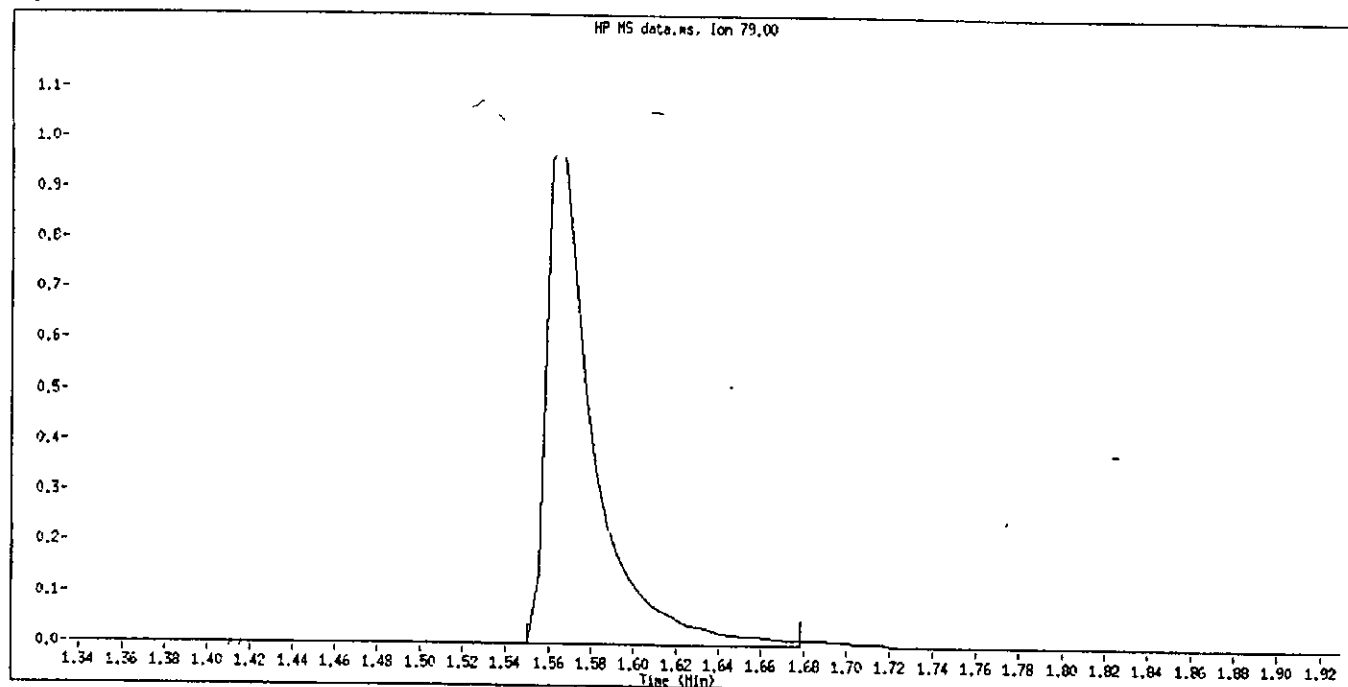
Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
=====	=====	==	=====	=====	=====		(ng)	(ng)
151 Chrysene	228	18.869	18.869	(1.003)	320718		50.0000	50.136
153 bis(2-ethylhexyl)phthalate	149	19.280	19.280	(1.025)	305632		50.0000	46.417
155 Di-n-octylphthalate	149	20.738	20.738	(0.937)	631005		50.0000	50.232
157 Benzo(b)fluoranthene	252	21.331	21.331	(0.963)	418512		50.0000	50.093
158 Benzo(k)fluoranthene	252	21.390	21.390	(0.966)	445871		50.0000	57.624
159 7,12-dimethylbenz[a]anthracene	256	21.390	21.390	(0.966)	184650		50.0000	54.555
167 Benzo(a)pyrene	252	22.021	22.021	(0.994)	417666		50.0000	52.683
169 Indeno(1,2,3-cd)pyrene	276	24.280	24.280	(1.096)	511759		50.0000	45.885 (M)
170 Dibenz(a,h)anthracene	278	24.323	24.323	(1.098)	521588		50.0000	52.982
171 Benzo(g,h,i)perylene	276	24.798	24.798	(1.120)	520257		50.0000	51.850
\$ 172 Nitrobenzene-d5	82	5.305	5.305	(0.866)	186892		50.0000	56.650
\$ 173 2-Fluorobiphenyl	172	7.784	7.784	(0.863)	264202		50.0000	50.612
\$ 174 Terphenyl-d14	244	16.278	16.278	(0.865)	249365		50.0000	49.046
\$ 175 Phenol-d5	99	4.429	4.429	(0.946)	183285		50.0000	52.737
\$ 176 2-Fluorophenol	112	3.393	3.393	(0.725)	135392		50.0000	49.314
\$ 177 2,4,6-Tribromophenol	330	10.722	10.722	(0.876)	32650		50.0000	48.634
\$ 178 2-Chlorophenol-d4	132	4.504	4.504	(0.962)	128609		50.0000	50.959
\$ 179 1,2-Dichlorobenzene-d4	152	4.878	4.878	(1.042)	90597		50.0000	52.614

QC Flag Legend

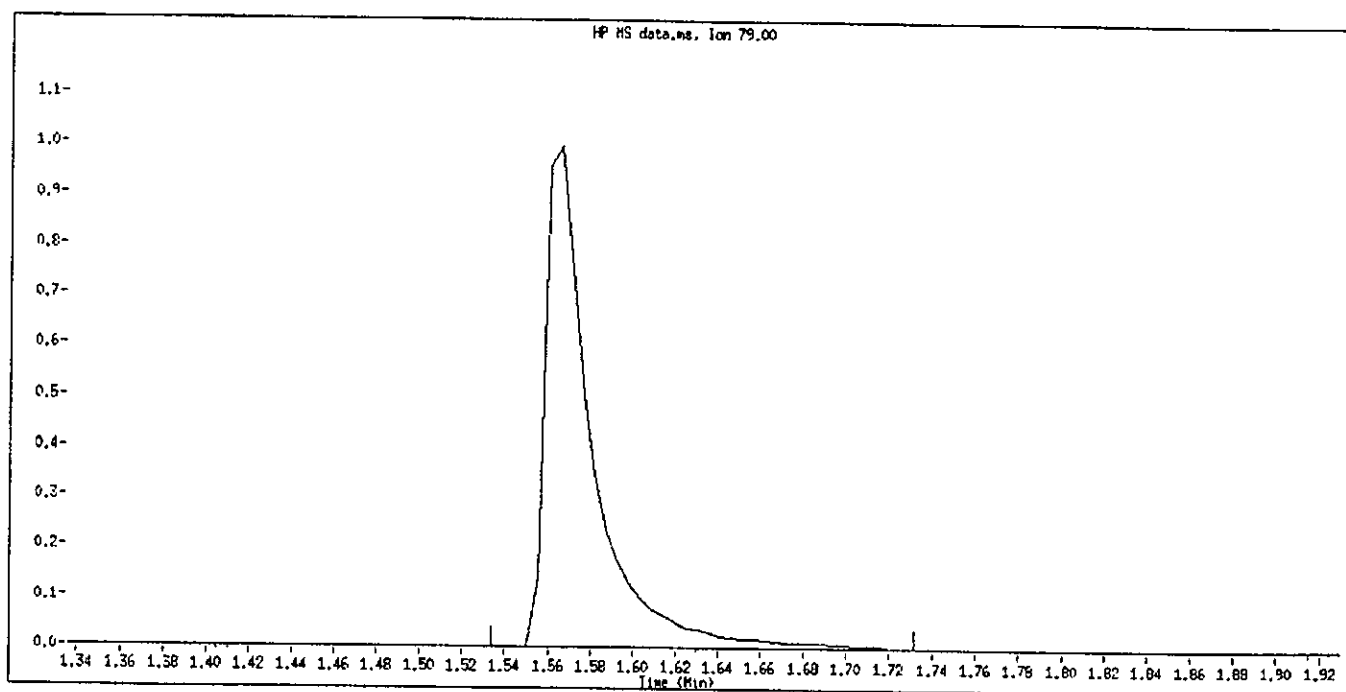
M - Compound response manually integrated.

Data File Name 50720CC2.D
Inj. Date and Time: 20-JUL-2000 13:55
Instrument ID 71.1
Client ID ssid050
Compound Name Pyridine
CAS #: 110-86-1
Report Date 07/20/2000

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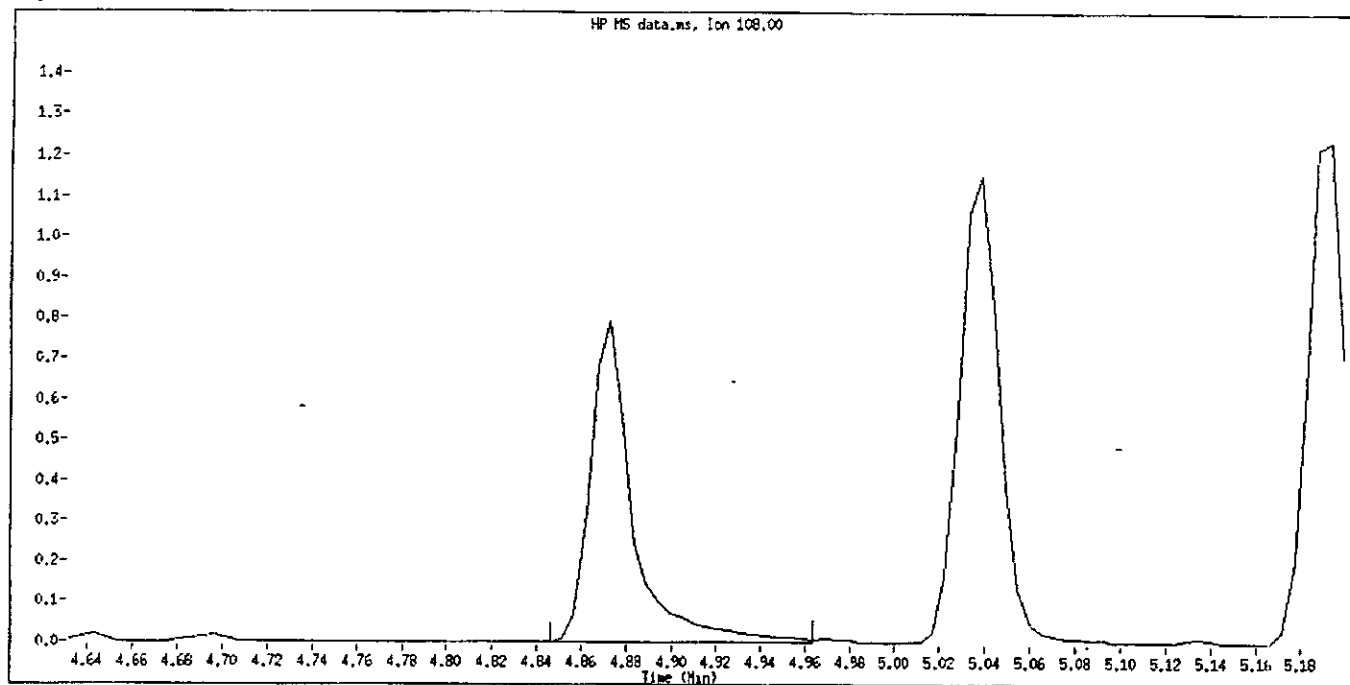


Original Integration

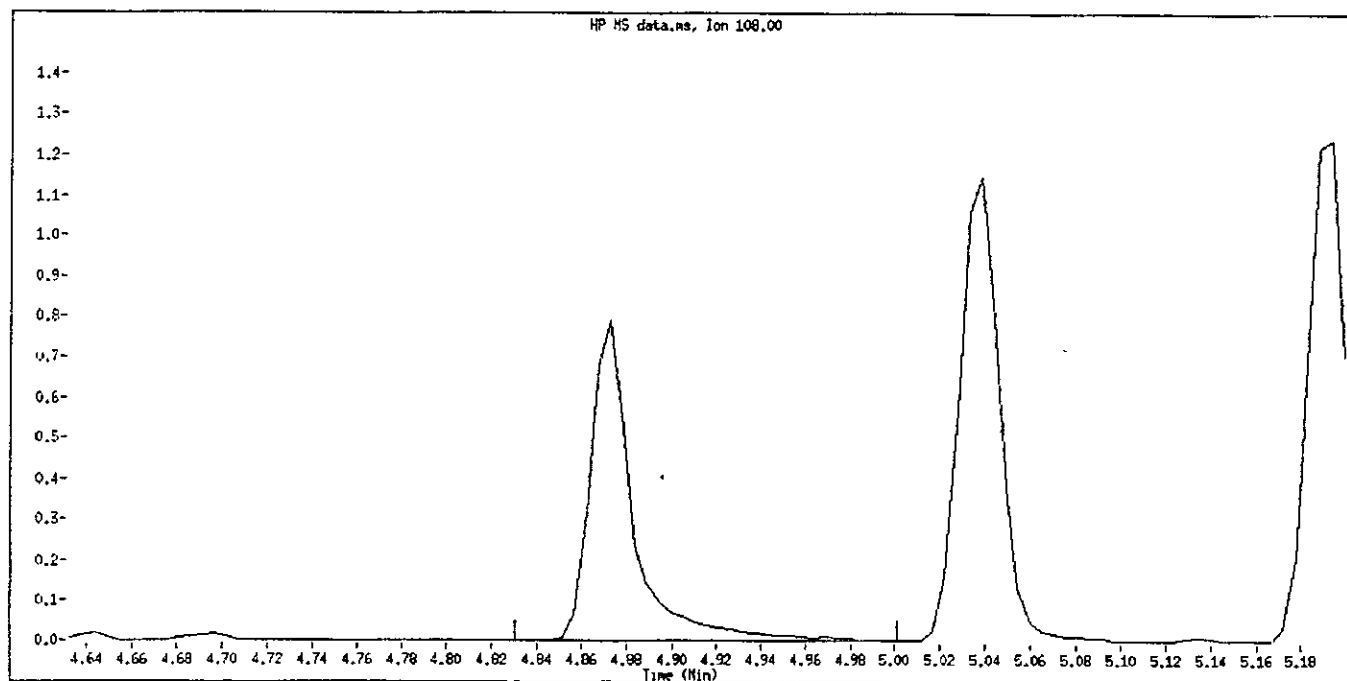


Manual Integration

Manually Integrated By BachaS
Manual Integration Reason Poor Chromatography



Original Integration



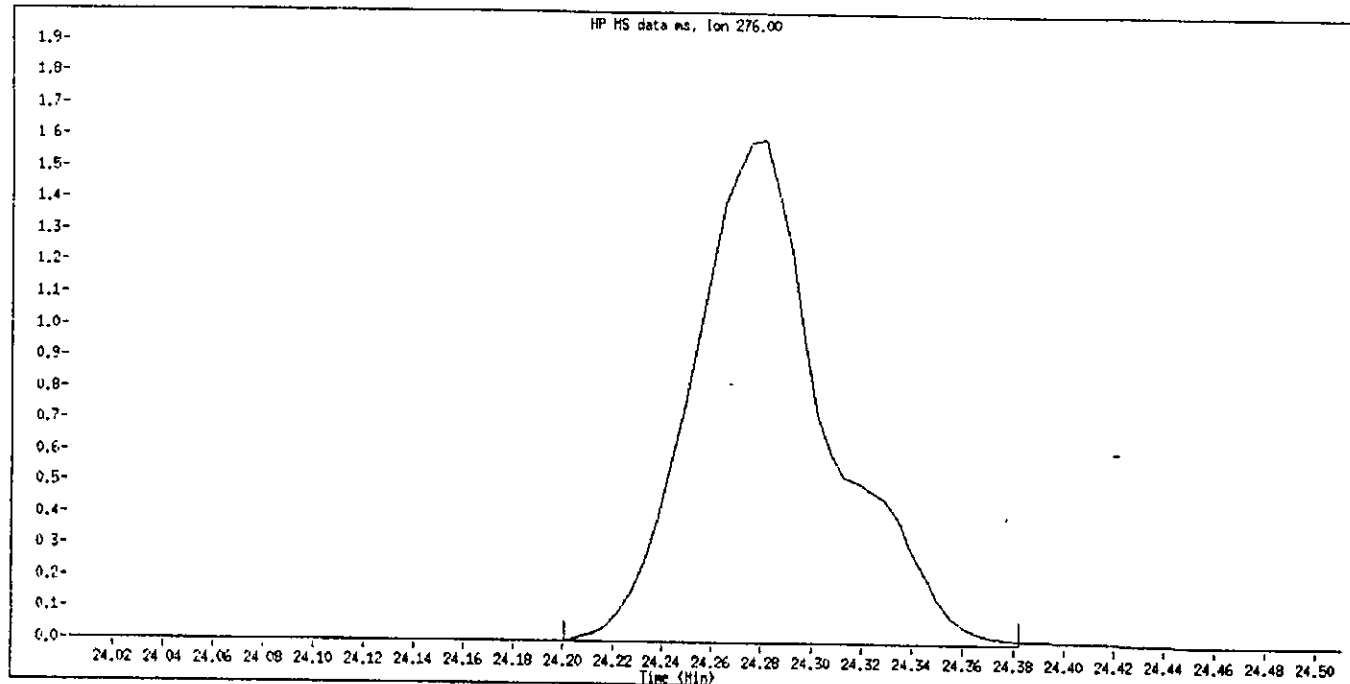
Manual Integration

Manually Integrated By Bachas

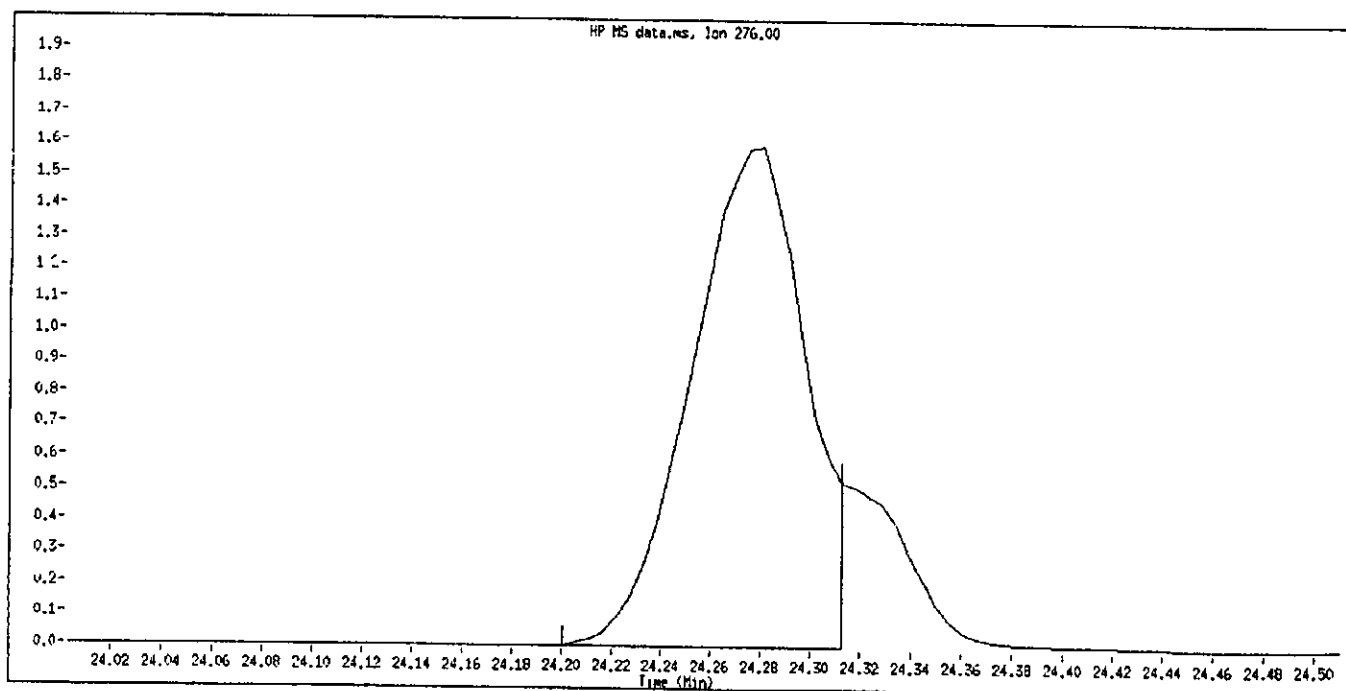
Manual Integration Reason Poor Chromatography

Data File Name S0720002.D
Inj Date and Time 27-JUL-2000 13:55
Instrument ID 71.1
Client ID sstd050
Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 07/20/2000

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Original Integration

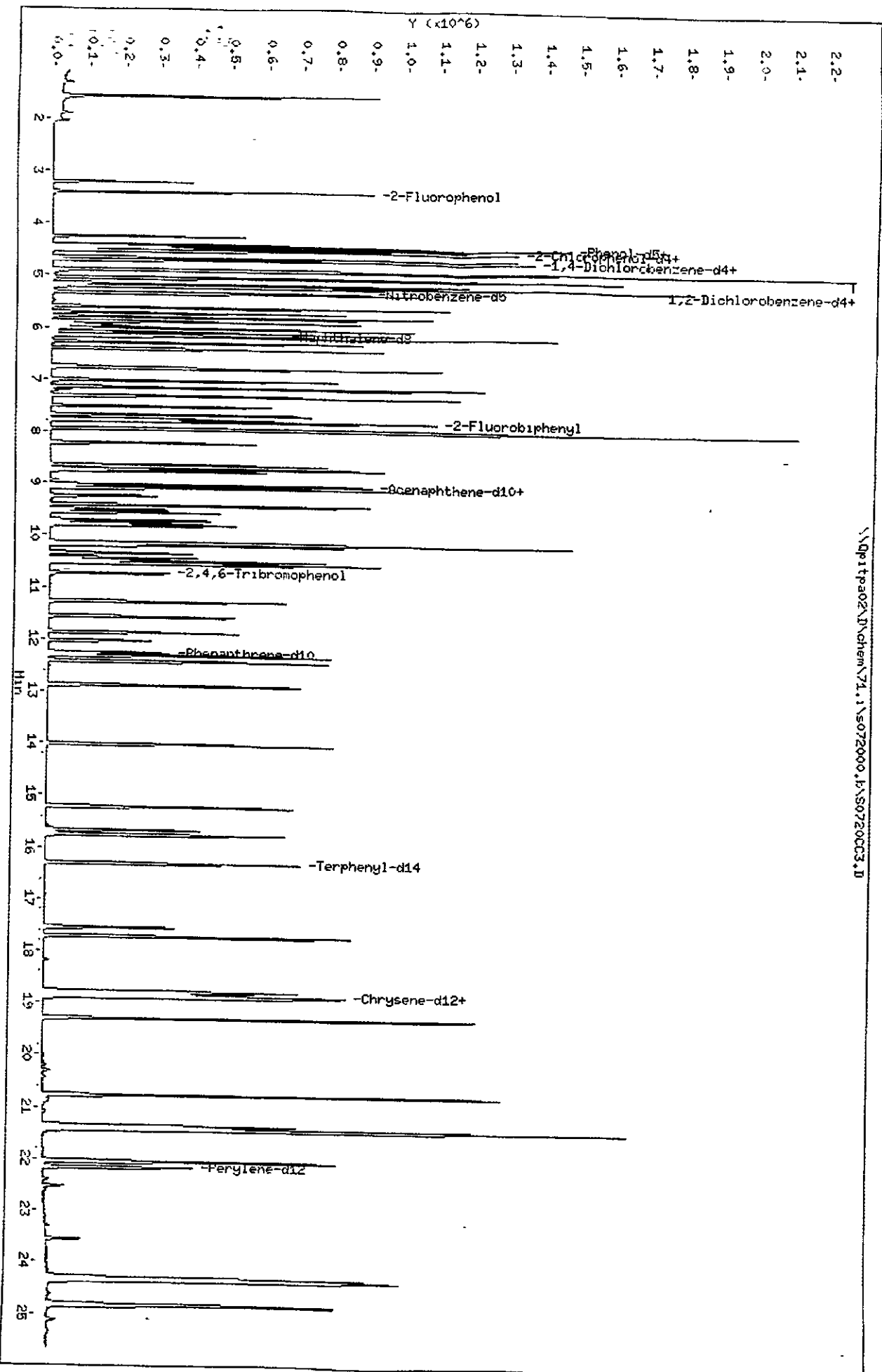


Manual Integration

Manually Integrated By BachaS
Manual Integration Reason Poor Chromatography

Data File: \\qpitpa02\chem\71.1\5072000.b\507200C3.D
 Date: 20-JUL-2000 14:58
 Client ID: SSTDB0
 Sample Info: sstd80(40 ug/ml) 194-175-12 8270/olp
 Volume Injected (ul): 2.0
 Column phase: He5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



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STL Pittsburgh

Semivolatiles REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\71.i\s072000.b\S0720CC3.D
Lab Smp Id: sstd80 Client Smp ID: SSTD80
Inj Date : 20-JUL-2000 14:58
Operator : 045183 Inst ID: 71.i
Smp Info : sstd80(40 ug/ml) 194-175-12 8270/clp
Misc Info : sstd80,s072000.b,8270clp.m,1-82701.sub,1,3
Comment :
Method : \\Qpitpa02\D\chem\71.i\s072000.b\8270clp.m
Meth Date : 20-Jul-2000 16:02 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 15:30 Cal File: S0720CC4.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC050

7/20/00

Compound Sublist: 1-82701.sub

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.688	4.688 (1.000)		92225	40.0000	
* 2 Naphthalene-d8	136	6.141	6.141 (1.000)		351867	40.0000	
* 3 Acenaphthene-d10	164	9.031	9.031 (1.000)		178711	40.0000	
* 4 Phenanthrene-d10	188	12.263	12.263 (1.000)		281019	40.0000	
* 5 Chrysene-d12	240	18.828	18.828 (1.000)		280811	40.0000	
* 6 Perylene-d12	264	22.162	22.162 (1.000)		365160	40.0000	
13 N-Nitrosodimethylamine	74	1.573	1.573 (0.336)		180129	80.0000	80.867
10 Pyridine	79	1.563	1.563 (0.333)		314891	80.0000	83.150 (M)
19 Methyl methanesulfonate	80	3.208	3.208 (0.684)		186732	80.0000	89.870
22 Aniline	93	4.410	4.410 (0.941)		441518	80.0000	82.463
23 Phenol	94	4.453	4.453 (0.950)		368223	80.0000	80.982
24 bis(2-Chloroethyl)ether	93	4.479	4.479 (0.956)		301328	80.0000	80.639
25 2-Chlorophenol	128	4.528	4.528 (0.966)		264294	80.0000	80.949
27 1,3-Dichlorobenzene	146	4.650	4.650 (0.992)		289847	80.0000	80.785
28 1,4-Dichlorobenzene	146	4.704	4.704 (1.003)		293100	80.0000	80.149
29 1,2-Dichlorobenzene	146	4.896	4.896 (1.044)		270884	80.0000	80.299
30 Benzyl Alcohol	108	4.880	4.880 (1.041)		187360	80.0000	78.871
31 2-Methylphenol	108	5.046	5.046 (1.076)		254584	80.0000	81.513
32 2,2'-oxybis(1-Chloropropane)	45	5.035	5.035 (1.074)		479274	80.0000	79.875
33 N-Nitroso-di-n-propylamine	70	5.190	5.190 (1.107)		243989	80.0000	81.116
35 4-Methylphenol	108	5.201	5.201 (1.109)		266037	80.0000	80.799
38 Hexachloroethane	117	5.222	5.222 (1.114)		125698	80.0000	80.866
39 Nitrobenzene	77	5.340	5.340 (0.870)		370913	80.0000	80.556
44 Isophorone	82	5.601	5.601 (0.912)		570272	80.0000	81.208
45 2-Nitrophenol	139	5.703	5.703 (0.929)		143672	80.0000	82.189
46 2,4-Dimethylphenol	107	5.788	5.788 (0.943)		284456	80.0000	82.898

7/20/00

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
*****	***	**	*****	*****	*****	*****	*****
47 bis(2-Chloroethoxy)methane	93	5.879	5.879	(0.957)	337157	80.0000	80.629
51 2,4-Dichlorophenol	162	6.007	6.007	(0.978)	199477	80.0000	81.169
52 Benzoic Acid	122	5.965	5.965	(0.971)	112000	80.0000	101.06
53 1,2,4-Trichlorobenzene	180	6.093	6.093	(0.992)	208607	80.0000	80.526
54 Naphthalene	128	6.168	6.168	(1.004)	777669	80.0000	80.376
55 4-Chloroaniline	127	6.280	6.280	(1.023)	296166	80.0000	80.994
59 Hexachlorobutadiene	225	6.408	6.408	(1.043)	116105	80.0000	81.051
62 4-Chloro-3-Methylphenol	107	7.012	7.012	(1.142)	237149	80.0000	81.201
65 2-Methylnaphthalene	142	7.145	7.145	(1.164)	492966	80.0000	80.437
66 1-Methylnaphthalene	142	7.316	7.316	(1.191)	453289	80.0000	80.066
67 Hexachlorocyclopentadiene	237	7.514	7.514	(0.832)	115601	80.0000	87.153
69 2,4,6-Trichlorophenol	196	7.679	7.679	(0.850)	124329	80.0000	81.517
70 2,4,5-Trichlorophenol	196	7.765	7.765	(0.860)	131756	80.0000	81.250
73 2-Chloronaphthalene	162	7.952	7.952	(0.881)	421378	80.0000	80.951
77 2-Nitroaniline	65	8.230	8.230	(0.911)	184227	80.0000	82.119
80 Dimethylphthalate	163	8.652	8.652	(0.958)	462552	80.0000	80.156
82 2,6-Dinitrotoluene	165	8.775	8.775	(0.972)	103751	80.0000	80.869
83 Acenaphthylene	152	8.726	8.726	(0.966)	680258	80.0000	81.004
85 3-Nitroaniline	138	9.042	9.042	(1.001)	121473	80.0000	81.164
86 Acenaphthene	153	9.095	9.095	(1.007)	425477	80.0000	80.944
87 2,4-Dinitrophenol	184	9.250	9.250	(1.024)	61416	80.0000	89.761
89 4-Nitrophenol	109	9.506	9.506	(1.053)	80830	80.0000	82.513
90 Dibenzofuran	168	9.426	9.426	(1.044)	576377	80.0000	80.667
91 2,4-Dinitrotoluene	165	9.571	9.571	(1.060)	134516	80.0000	80.252
95 2,3,5,6-Tetrachlorophenol	232	9.720	9.720	(1.076)	88369	80.0000	81.755
92 2,3,4,6-Tetrachlorophenol	232	9.811	9.811	(1.086)	89443	80.0000	81.360
96 2-Naphthylamine	143	9.774	9.774	(1.082)	259970	80.0000	69.509
97 Diethylphthalate	149	10.142	10.142	(1.123)	467823	80.0000	79.628
98 Fluorene	166	10.153	10.153	(1.124)	455712	80.0000	80.435
99 4-Chlorophenyl-phenylether	204	10.201	10.201	(1.130)	206262	80.0000	80.737
100 4-Nitroaniline	138	10.350	10.350	(1.146)	115426	80.0000	80.770
102 4,6-Dinitro-2-methylphenol	198	10.447	10.447	(0.852)	65682	80.0000	84.809
103 N-Nitrosodiphenylamine (1)	169	10.495	10.495	(0.856)	322279	80.0000	81.145
104 1,2-Diphenylhydrazine	77	10.543	10.543	(0.860)	679185	80.0000	81.326
112 4-Bromophenyl-phenylether	248	11.280	11.280	(0.920)	108006	80.0000	80.508
113 Hexachlorobenzene	284	11.568	11.568	(0.943)	111536	80.0000	80.828
117 Pentachlorophenol	266	12.033	12.033	(0.981)	58733	80.0000	84.921
122 Phenanthrene	178	12.316	12.316	(1.004)	592824	80.0000	80.432
123 Anthracene	178	12.423	12.423	(1.013)	610912	80.0000	80.439
126 Carbazole	167	12.883	12.883	(1.051)	563076	80.0000	80.582
130 Di-n-Butylphthalate	149	14.021	14.021	(1.143)	741839	80.0000	81.550
135 Fluoranthene	202	15.217	15.217	(1.241)	592124	80.0000	80.818
136 Benzidine	184	15.666	15.666	(0.832)	347805	80.0000	86.068
137 Pyrene	202	15.751	15.751	(0.837)	607115	80.0000	79.631
144 Butylbenzylphthalate	149	17.723	17.723	(0.941)	372140	80.0000	80.953
149 3,3'-Dichlorobenzidine	252	18.866	18.866	(1.002)	264954	80.0000	81.104
150 Benzo(a)Anthracene	228	18.786	18.786	(0.998)	635097	80.0000	80.970

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Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
151 Chrysene	228	18.893	18.893	(1.003)	594734	80.0000	80.538
153 bis(2-ethylhexyl)Phthalate	149	19.299	19.299	(1.025)	551098	80.0000	79.322
155 Di-n-octylphthalate	149	20.762	20.762	(0.937)	1118064	80.0000	78.728
157 Benzo(b)fluoranthene	252	21.361	21.361	(0.964)	836130	80.0000	82.499
158 Benzo(k)fluoranthene	252	21.430	21.430	(0.967)	812757	80.0000	81.467
159 7,12-dimethylbenz(a)anthracene	256	21.425	21.425	(0.967)	357048	80.0000	81.844
167 Benzo(a)pyrene	252	22.050	22.050	(0.995)	788090	80.0000	80.888
169 Indeno(1,2,3-cd)pyrene	276	24.315	24.315	(1.097)	1010172	80.0000	73.279 (M)
170 Dibenz(a,h)anthracene	278	24.363	24.363	(1.099)	991909	80.0000	80.734
171 Benzo(g,h,i)perylene	276	24.844	24.844	(1.121)	988874	80.0000	80.130
\$ 172 Nitrobenzene-d5	82	5.318	5.318	(0.866)	346102	80.0000	82.178
\$ 173 2-Fluorobiphenyl	172	7.797	7.797	(0.863)	477017	80.0000	81.967
\$ 174 Terphenyl-d14	244	16.302	16.302	(0.866)	465391	80.0000	81.508
\$ 175 Phenol-d5	99	4.442	4.442	(0.948)	336046	80.0000	80.045
\$ 176 2-Fluorophenol	112	3.400	3.400	(0.725)	252230	80.0000	80.798
\$ 177 2,4,6-Tribromophenol	330	10.735	10.735	(0.875)	57240	80.0000	80.929
\$ 178 2-Chlorophenol-d4	132	4.512	4.512	(0.962)	235487	80.0000	80.301
\$ 179 1,2-Dichlorobenzene-d4	152	4.885	4.885	(1.042)	164330	80.0000	81.003

7/20/00

QC Flag Legend

M - Compound response manually integrated.

Inj Date and Time 20-JUL-2000 14:58

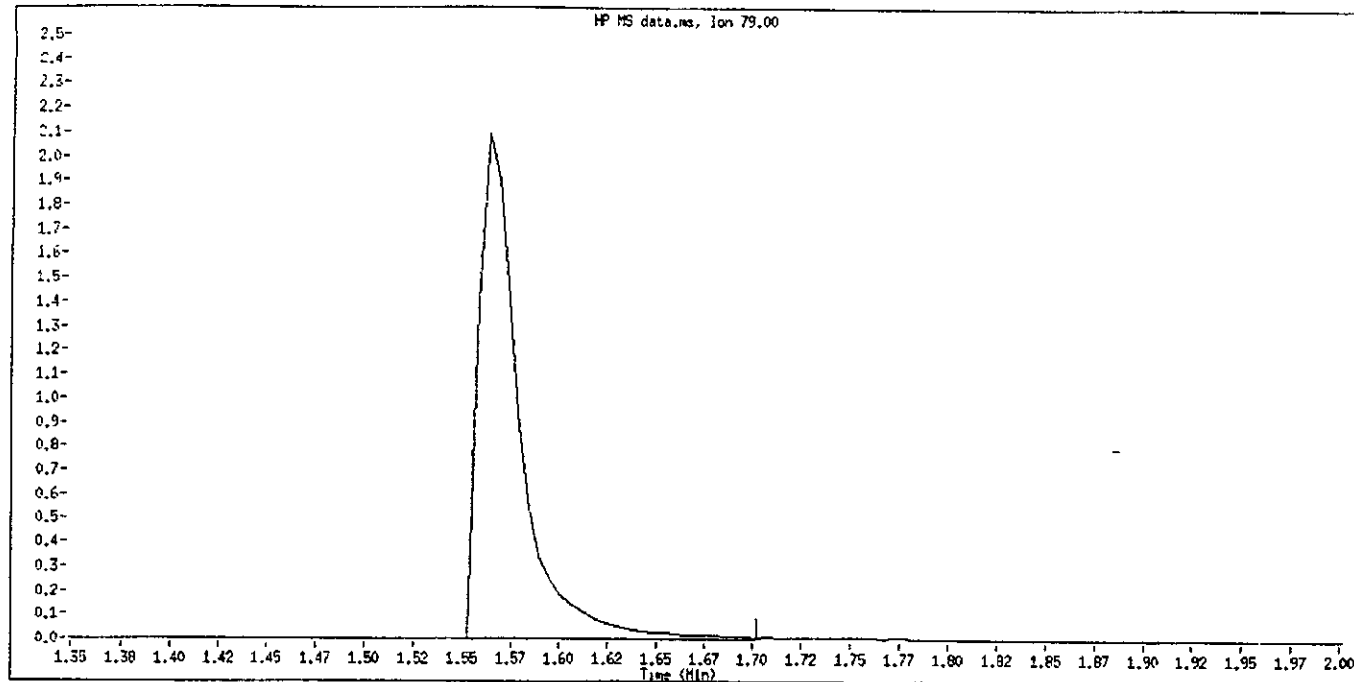
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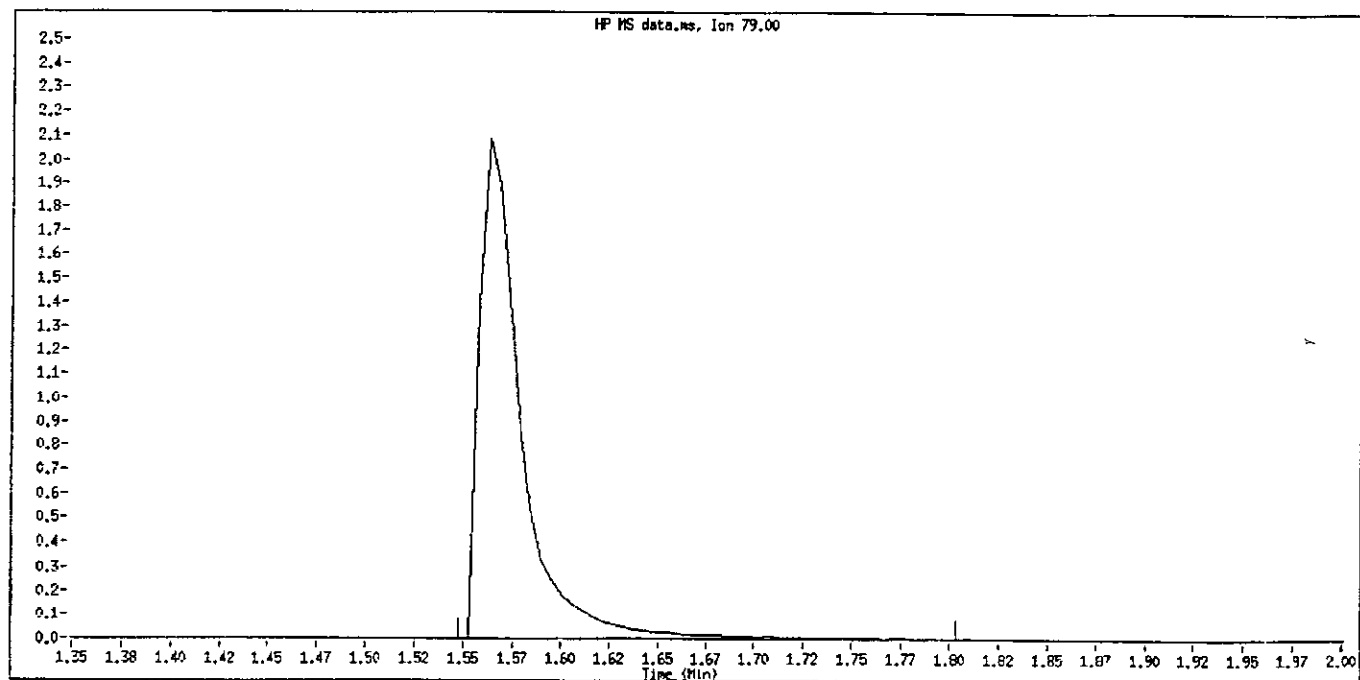
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CAS # 110-86-1

Report Date 07/20/2000



Original Integration

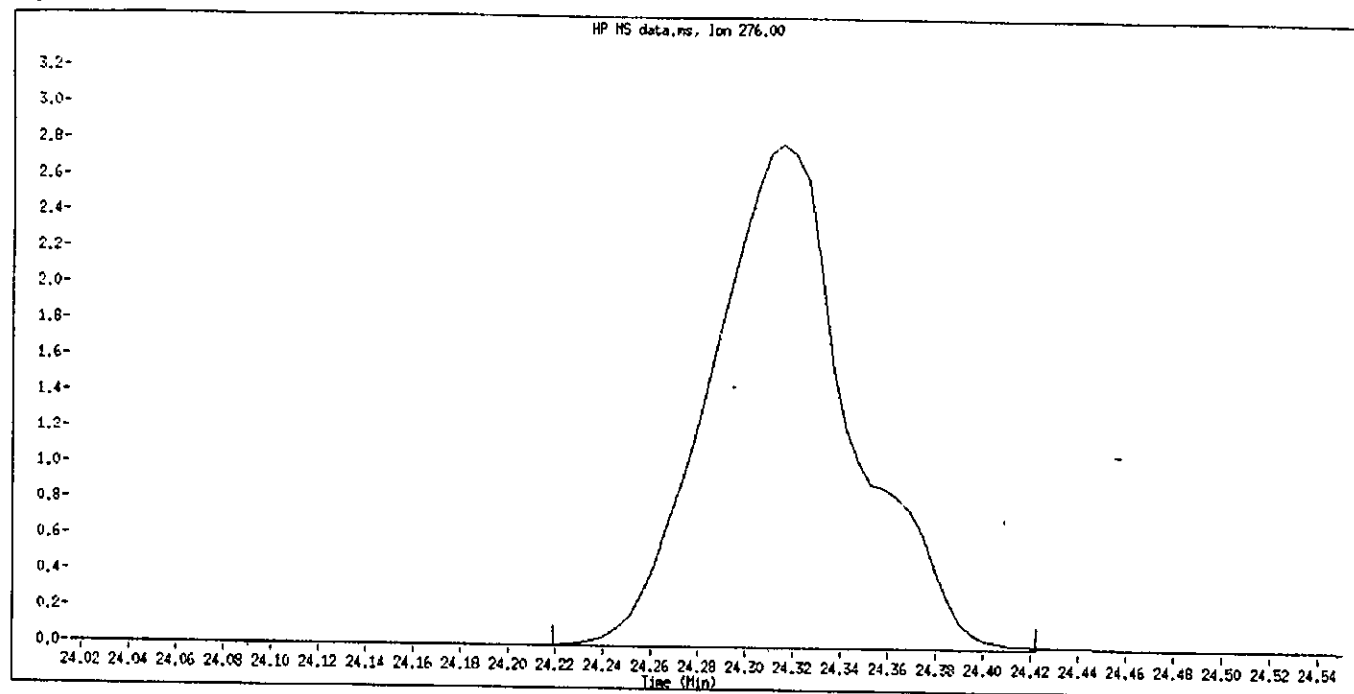


Manual Integration

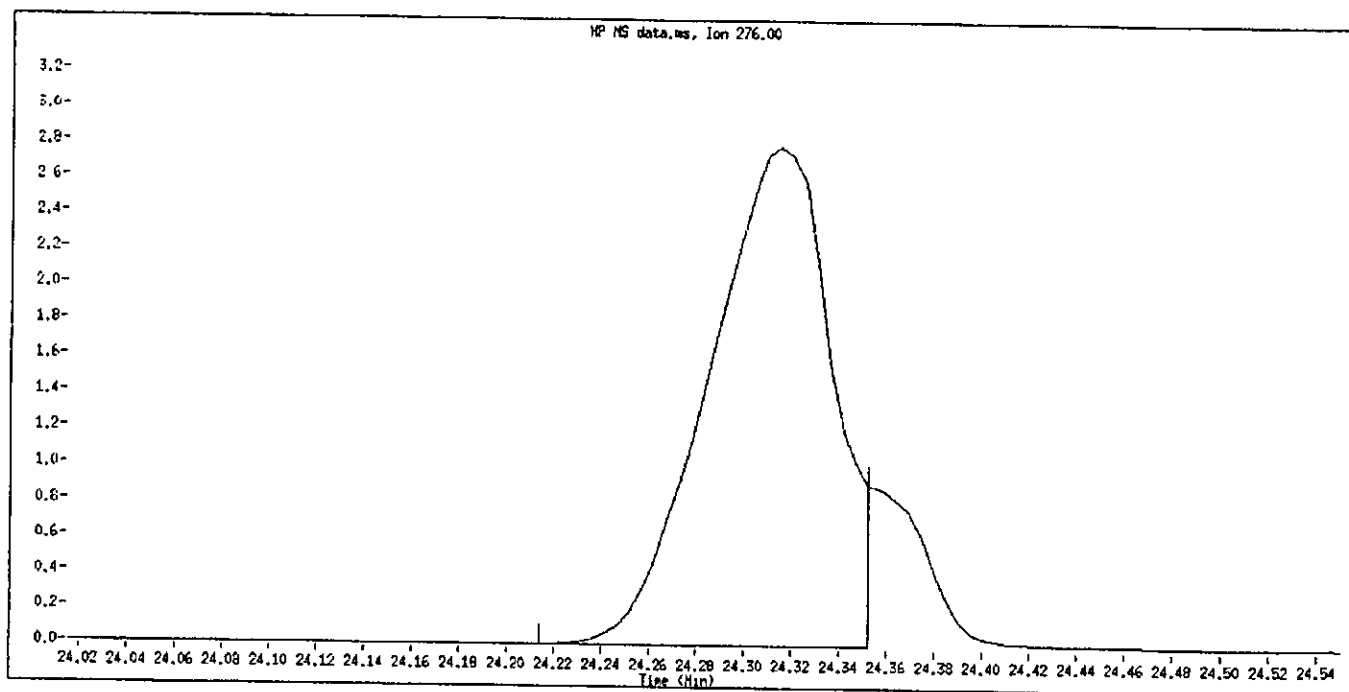
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Manual Integration Reason Poor Chromatography

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Instrument ID 71.1
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Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 07/20/2000

666 273



Original Integration



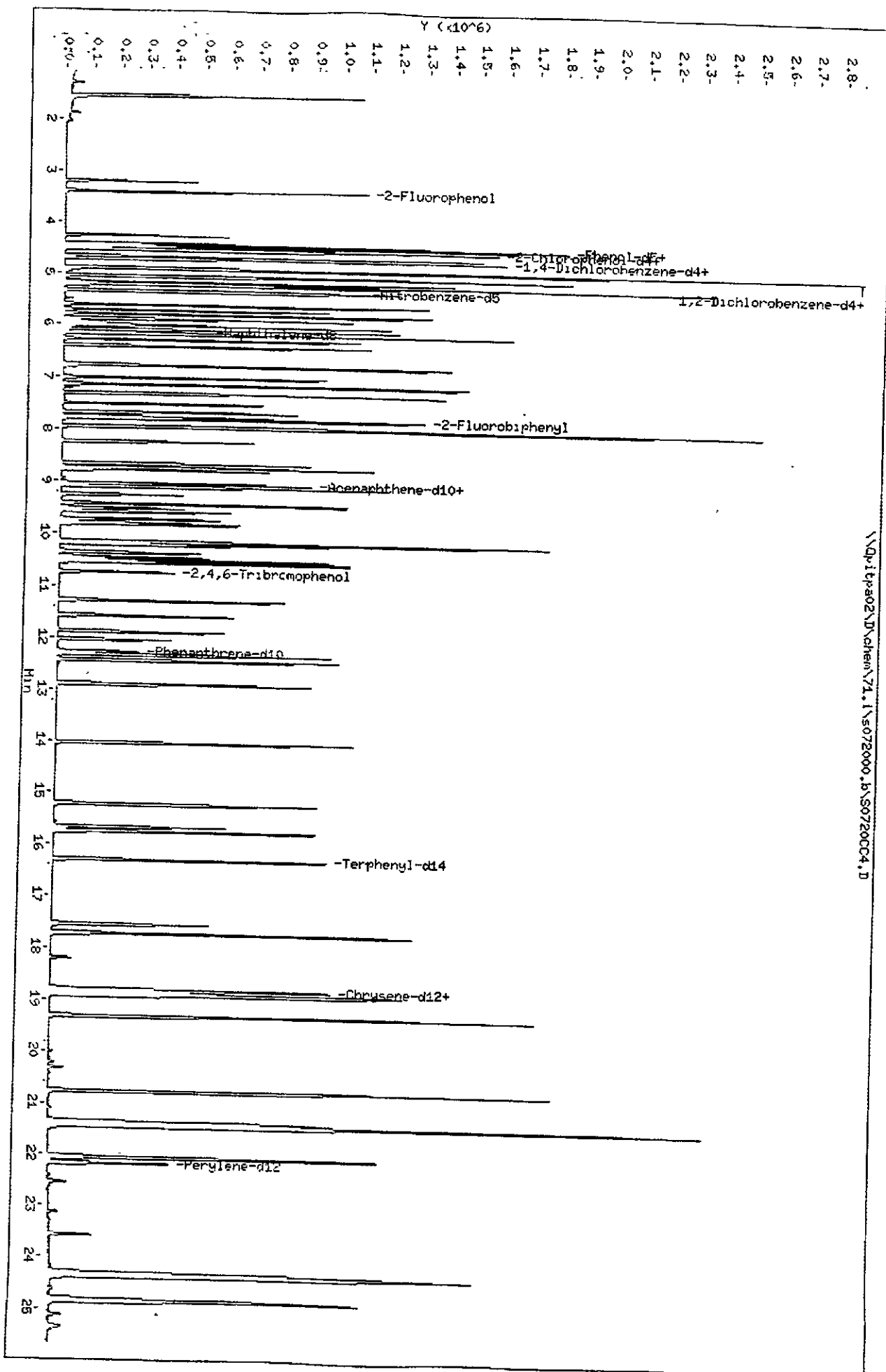
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Manually Integrated By BacnaS /VUP 7/26/00
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 Column phase: Hp5-HS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25

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666 275

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

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Operator : 045183 Inst ID: 71.i
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Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

7/20/00

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
*****	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.694	4.694	(1.000)	78165	40.0000	
* 2 Naphthalene-d8	136	6.141	6.141	(1.000)	288882	40.0000	
* 3 Acenaphthene-d10	164	9.037	9.037	(1.000)	143653	40.0000	
* 4 Phenanthrene-d10	188	12.263	12.263	(1.000)	240497	40.0000	
* 5 Chrysene-d12	240	18.840	18.840	(1.000)	283448	40.0000	
* 6 Perylene-d12	264	22.178	22.178	(1.000)	373615	40.0000	
13 N-Nitrosodimethylamine	74	1.568	1.568	(0.334)	223981	120.000	118.59 (M)
10 Pyridine	79	1.558	1.558	(0.332)	389895	120.000	121.66 (M)
19 Methyl methanesulfonate	80	3.214	3.214	(0.685)	223084	120.000	126.68
22 Aniline	93	4.410	4.410	(0.940)	529058	120.000	116.59
23 Phenol	94	4.459	4.459	(0.950)	443670	120.000	115.13
24 bis(2-Chloroethyl)ether	93	4.485	4.485	(0.956)	372501	120.000	117.62
25 2-Chlorophenol	128	4.528	4.528	(0.965)	316810	120.000	114.49
27 1,3-Dichlorobenzene	146	4.651	4.651	(0.991)	350555	120.000	115.28
28 1,4-Dichlorobenzene	146	4.710	4.710	(1.003)	355581	120.000	114.72
29 1,2-Dichlorobenzene	146	4.902	4.902	(1.044)	328057	120.000	114.74
30 Benzyl Alcohol	108	4.886	4.886	(1.041)	236641	120.000	117.54
31 2-Methylphenol	108	5.052	5.052	(1.076)	299247	120.000	113.05
32 2,2'-oxybis(1-Chloropropane)	45	5.036	5.036	(1.073)	583578	120.000	114.75
33 N-Nitroso-di-n-propylamine	70	5.196	5.196	(1.107)	293163	120.000	115.00
35 4-Methylphenol	106	5.206	5.206	(1.109)	318083	120.000	113.98
38 Hexachloroethane	117	5.222	5.222	(1.113)	154839	120.000	117.53
39 Nitrobenzene	77	5.345	5.345	(0.870)	450103	120.000	119.07
44 Isophorone	82	5.607	5.607	(0.913)	674192	120.000	116.94
45 2-Nitrophenol	139	5.709	5.709	(0.930)	171061	120.000	119.19
46 2,4-Dimethylphenol	107	5.789	5.789	(0.943)	340767	120.000	120.96

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ng)	ON-COL (ng)
47 bis(2-Chloroethoxy)methane	93	5.885	5.885	(0.958)	403853	120.000	117.64
51 2,4-Dichlorophenol	162	6.013	6.013	(0.979)	236072	120.000	117.00
52 Benzoic Acid	122	5.986	5.986	(0.975)	151498	120.000	166.50(A)
53 1,2,4-Trichlorobenzene	180	6.093	6.093	(0.992)	250475	120.000	117.77
54 Naphthalene	128	6.173	6.173	(1.005)	924730	120.000	116.41
55 4-Chloroaniline	127	6.286	6.286	(1.023)	347141	120.000	115.63
59 Hexachlorobutadiene	225	6.414	6.414	(1.044)	139577	120.000	117.83
62 4-Chloro-3-Methylphenol	107	7.017	7.017	(1.143)	280267	120.000	116.89
65 2-Methylnaphthalene	142	7.151	7.151	(1.164)	583542	120.000	115.98
66 1-Methylnaphthalene	142	7.322	7.322	(1.192)	543535	120.000	116.94
67 Hexachlorocyclopentadiene	237	7.520	7.520	(0.832)	139756	120.000	131.08
69 2,4,6-Trichlorophenol	196	7.685	7.685	(0.850)	146317	120.000	119.35
70 2,4,5-Trichlorophenol	196	7.765	7.765	(0.859)	155888	120.000	119.59
73 2-Chloronaphthalene	162	7.958	7.958	(0.881)	494009	120.000	118.06
77 2-Nitroaniline	65	8.235	8.235	(0.911)	220789	120.000	122.44
80 Dimethylphthalate	163	8.657	8.657	(0.958)	554842	120.000	119.61
82 2,6-Dinitrotoluene	165	8.780	8.780	(0.972)	125627	120.000	121.82
83 Acenaphthylene	152	8.732	8.732	(0.966)	800612	120.000	118.60
85 3-Nitroaniline	138	9.047	9.047	(1.001)	150308	120.000	124.94
86 Acenaphthene	153	9.101	9.101	(1.007)	498220	120.000	117.91
87 2,4-Dinitrophenol	184	9.256	9.256	(1.024)	83358	120.000	151.56
89 4-Nitrophenol	109	9.512	9.512	(1.053)	108179	120.000	137.38
90 Dibenzofuran	168	9.432	9.432	(1.044)	680952	120.000	118.56
91 2,4-Dinitrotoluene	165	9.576	9.576	(1.060)	168417	120.000	124.90
95 2,3,5,6-Tetrachlorophenol	232	9.726	9.726	(1.076)	108961	120.000	125.41
92 2,3,4,6-Tetrachlorophenol	232	9.822	9.822	(1.087)	111299	120.000	125.95
96 2-Naphthylamine	143	9.779	9.779	(1.082)	287932	120.000	95.773
97 Diethylphthalate	149	10.148	10.148	(1.123)	572382	120.000	121.20
98 Fluorene	166	10.159	10.159	(1.124)	535034	120.000	117.48
99 4-Chlorophenyl-phenylether	204	10.207	10.207	(1.129)	241831	120.000	117.76
100 4-Nitroaniline	138	10.367	10.367	(1.147)	155031	120.000	133.80
102 4,6-Dinitro-2-methylphenol	198	10.452	10.452	(0.852)	116033	120.000	134.20
103 N-Nitrosodiphenylamine (1)	169	10.506	10.506	(0.857)	398512	120.000	117.25
104 1,2-Diphenylhydrazine	77	10.549	10.549	(0.860)	818960	120.000	114.58
112 4-Bromophenyl-phenylether	248	11.286	11.286	(0.920)	131159	120.000	114.24
113 Hexachlorobenzene	284	11.574	11.574	(0.944)	135874	120.000	115.06
117 Pentachlorophenol	266	12.039	12.039	(0.982)	78318	120.000	132.32
122 Phenanthrene	178	12.328	12.328	(1.005)	742388	120.000	117.70
123 Anthracene	178	12.429	12.429	(1.014)	774377	120.000	119.14
126 Carbazole	167	12.894	12.894	(1.051)	750094	120.000	125.43
130 Di-n-Butylphthalate	149	14.026	14.026	(1.144)	987623	120.000	126.86
135 Fluoranthene	202	15.228	15.228	(1.242)	823113	120.000	131.27
136 Benzidine	184	15.672	15.672	(0.832)	489509	120.000	120.01
137 Pyrene	202	15.763	15.763	(0.837)	849908	120.000	110.44
144 Butylbenzylphthalate	149	17.728	17.728	(0.941)	552856	120.000	119.15
149 3,3'-Dichlorobenzidine	252	18.877	18.877	(1.002)	403356	120.000	122.32
150 Benzo(a)Anthracene	228	18.802	18.802	(0.998)	941721	120.000	118.94

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
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151 Chrysene	228	18.909	18.909	(1.004)	874771	120.000	117.36
153 bis(2-ethylhexyl) Phthalate	149	19.304	19.304	(1.025)	813227	120.000	115.96
155 Di-n-octylphthalate	149	20.773	20.773	(0.937)	1629779	120.000	112.16
157 Benzo(b)fluoranthene	252	21.382	21.382	(0.964)	1302442	120.000	125.50
158 Benzo(k)fluoranthene	252	21.452	21.452	(0.967)	1057797	120.000	103.63
159 7,12-dimethylbenz(a)anthracen	256	21.447	21.447	(0.967)	540367	120.000	121.06
167 Benzo(a)pyrene	252	22.072	22.072	(0.995)	1168568	120.000	117.22
169 Indeno(1,2,3-cd)pyrene	276	24.337	24.337	(1.097)	1502714	120.000	106.95 (M)
170 Dibenz(a,h)anthracene	278	24.390	24.390	(1.100)	1492099	120.000	118.70
171 Benzo(g,h,i)perylene	276	24.871	24.871	(1.121)	1524623	120.000	120.75
\$ 172 Nitrobenzene-d5	82	5.324	5.324	(0.867)	418541	120.000	121.04
\$ 173 2-Fluorobiphenyl	172	7.803	7.803	(0.863)	562160	120.000	120.17
\$ 174 Terphenyl-d14	244	16.313	16.313	(0.866)	648789	120.000	112.57
\$ 175 Phenol-d5	99	4.443	4.443	(0.947)	412068	120.000	115.81
\$ 176 2-Fluorophenol	112	3.401	3.401	(0.725)	314101	120.000	118.72
\$ 177 2,4,6-Tribromophenol	330	10.746	10.746	(0.876)	72606	120.000	119.95
\$ 178 2-Chlorophenol-d4	132	4.512	4.512	(0.961)	288691	120.000	116.15
\$ 179 1,2-Dichlorobenzene-d4	152	4.886	4.886	(1.041)	198751	120.000	115.59

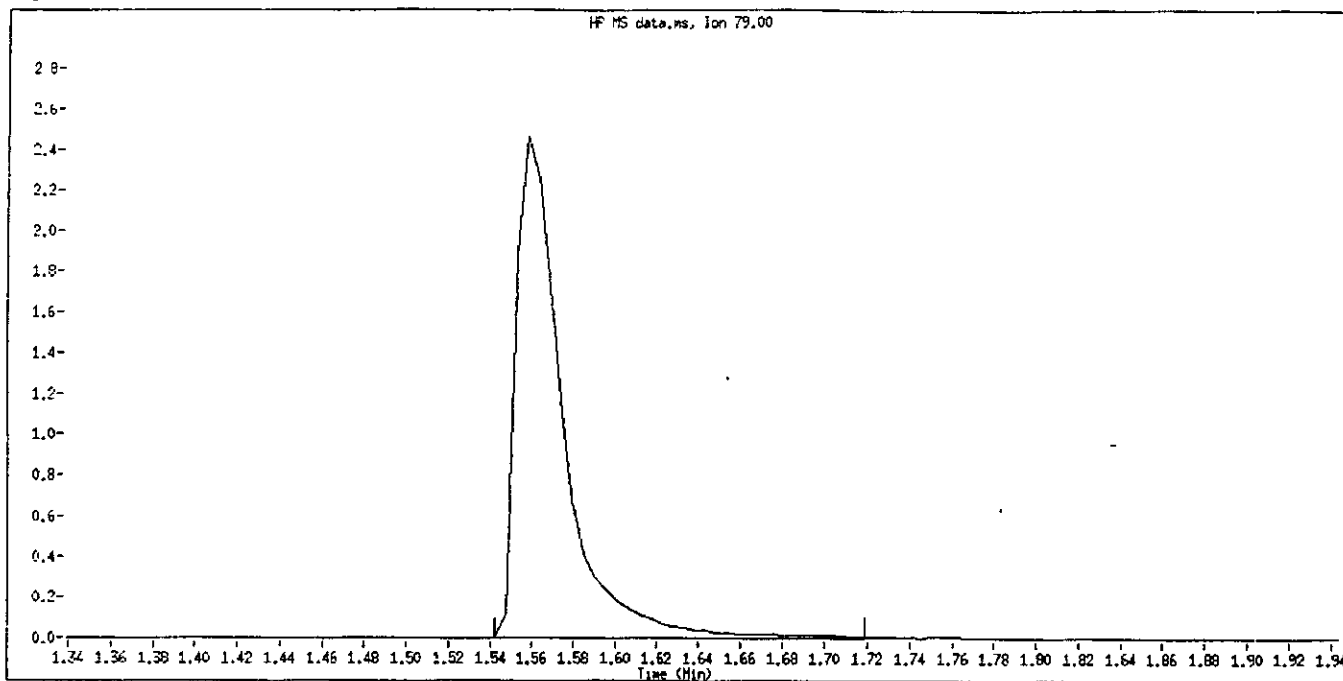
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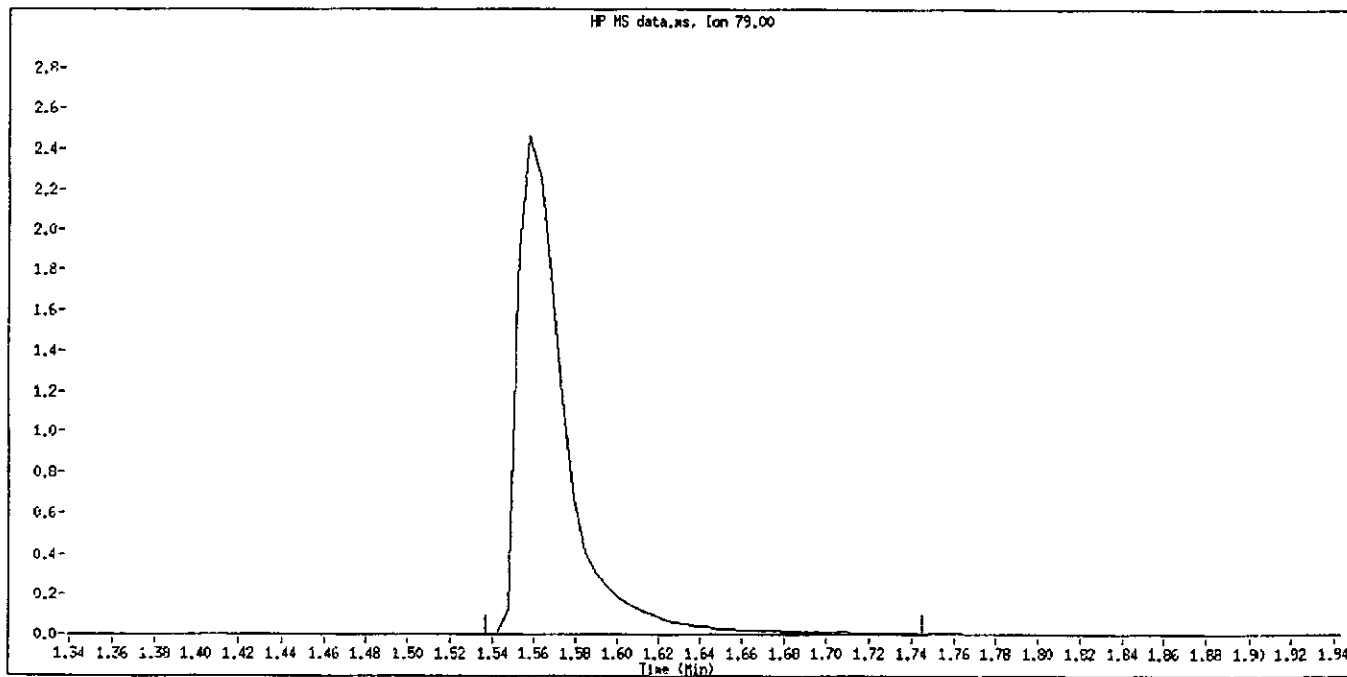
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- M - Compound response manually integrated.

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Client ID SSTD120
Compound Name Pyridine
CAS # 110-86-1
Report Date 07/20/2000

666 278



Original Integration

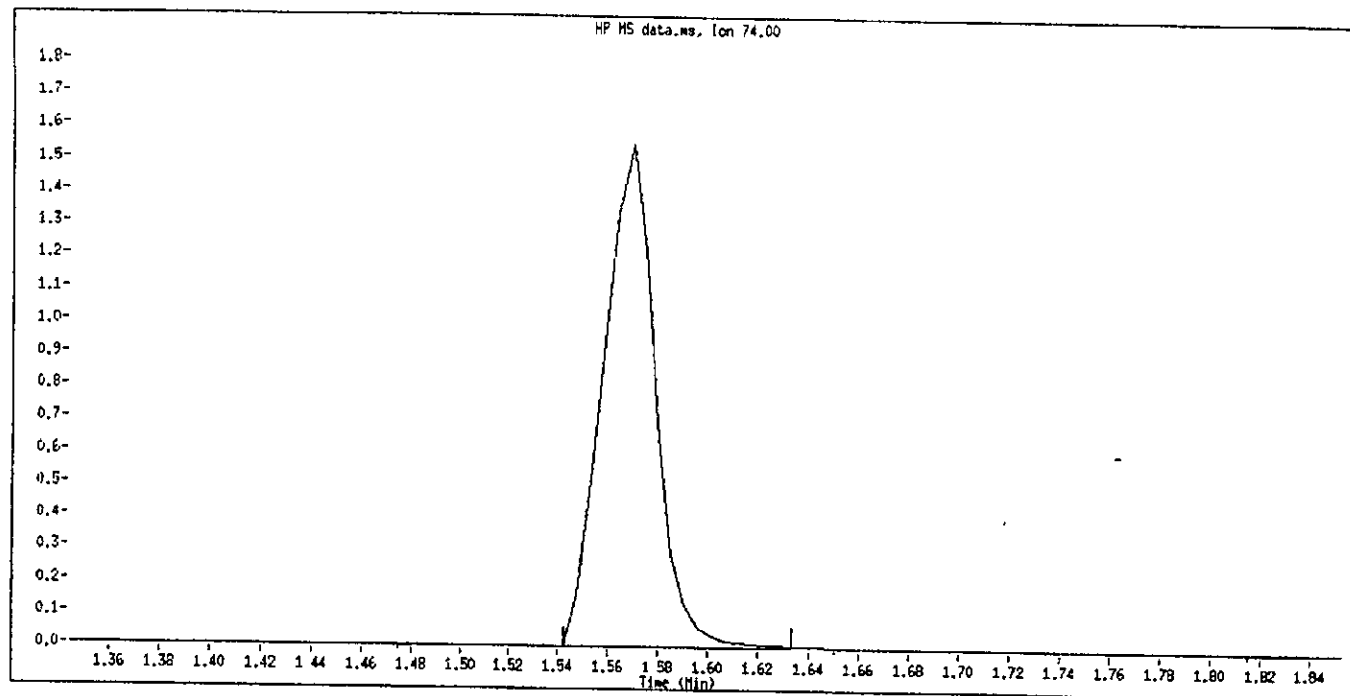


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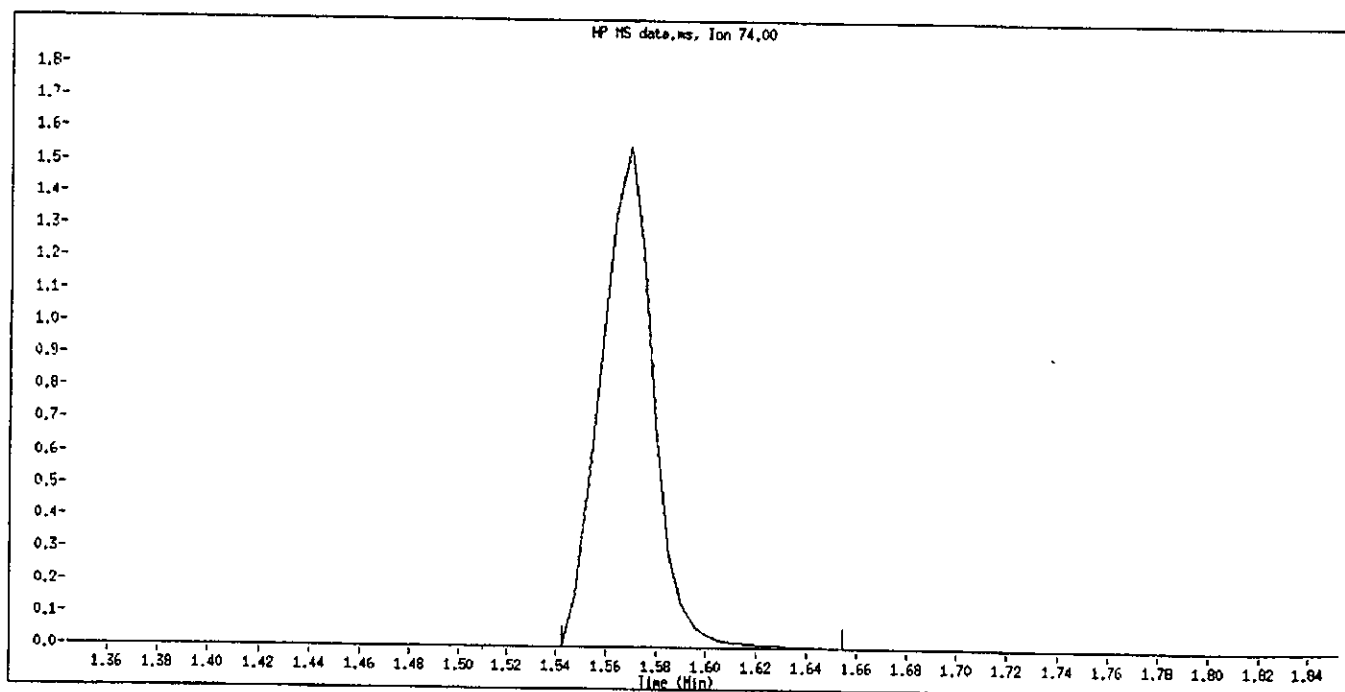
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Compound Name N-Nitrosodimethylamine
CAS #. 62-75-9
Report Date 07/20/2000

666 279



Original Integration

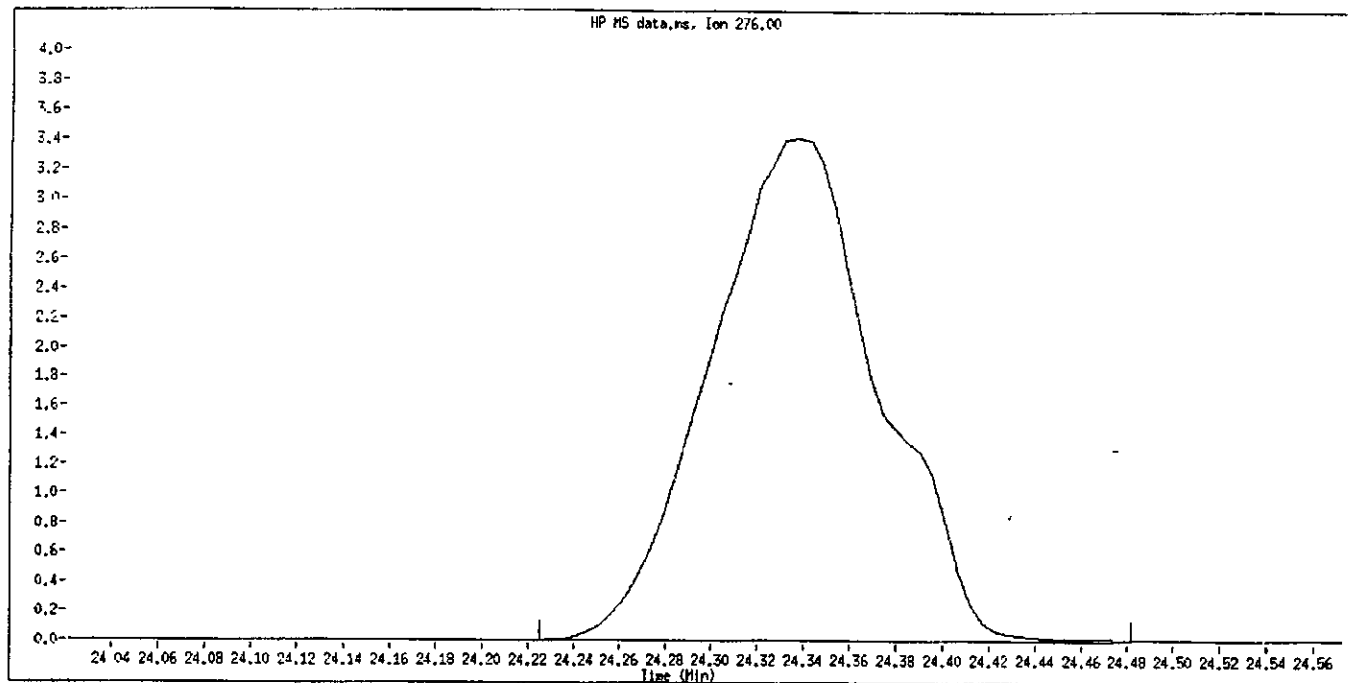


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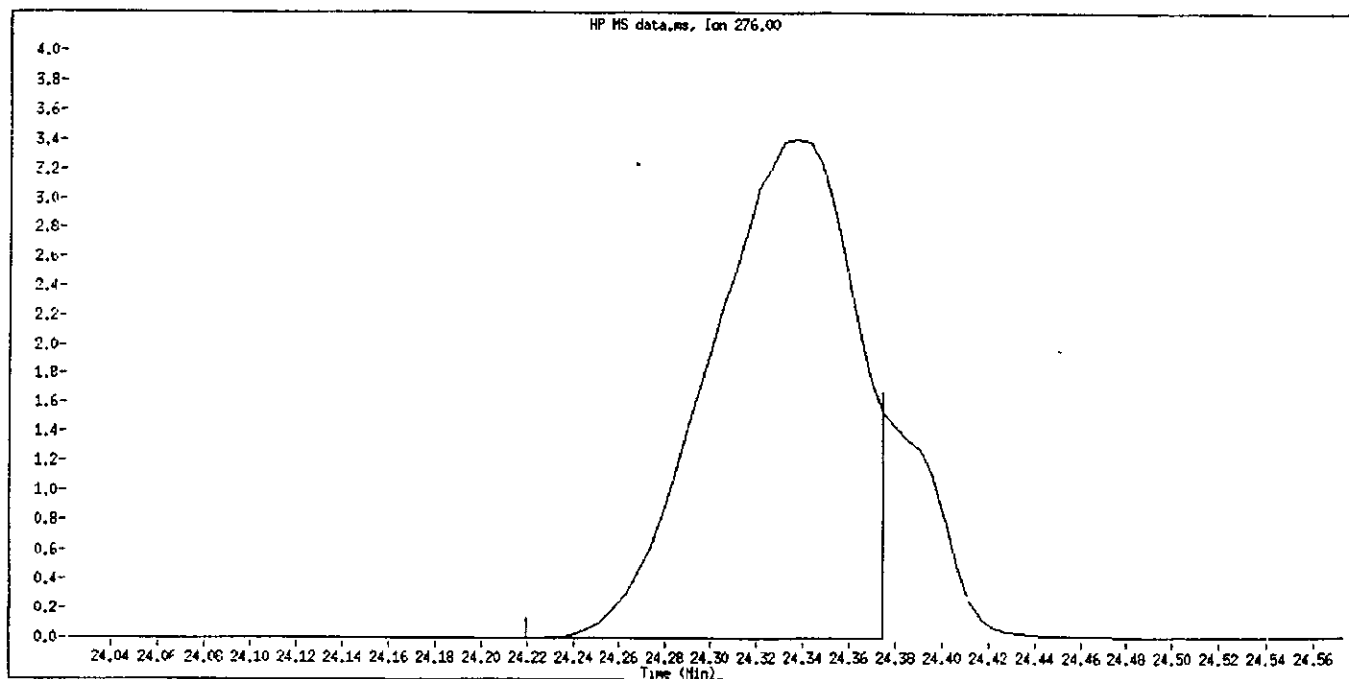
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Client ID SSTD120
Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 07/20/2000

666 280



Original Integration



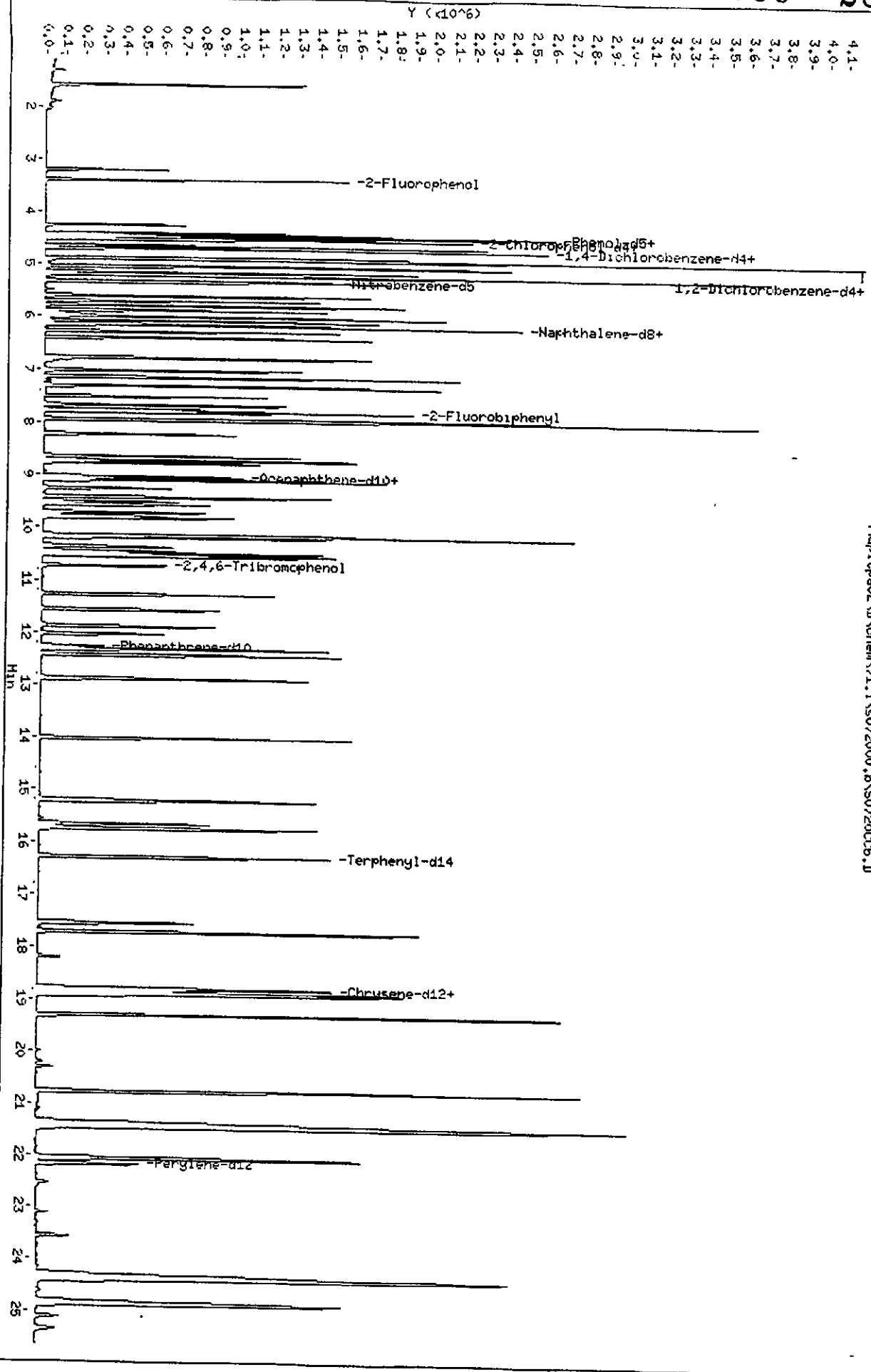
Manual Integration

Manually Integrated By BachaS
Manual Integration Reason Poor Chromatography

Date File: \\Np1tpa02\N\chem\71.1\5072000.b\50720005.D
 Date: 20-JUL-2000 16:02
 Client ID: SSTD160
 Sample Info: ssttd160(80 ug/ml) 194-175-14 8270/cip

Column phase: Hp5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



666 282

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\71.i\s072000.b\S0720CC5.D
Lab Smp Id: sstd160 Client Smp ID: SSTD160
Inj Date : 20-JUL-2000 16:02
Operator : 045183 Inst ID: 71.i
Smp Info : sstd160(80 ug/ml) 194-175-14 8270/clp
Misc Info : sstd160,s072000.b,8270clp.m,1-82701.sub,1,5
Comment :
Method : \\Qpitpa02\D\chem\71.i\s072000.b\8270clp.m
Meth Date : 20-Jul-2000 16:41 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

*Wm
7/25/00*

Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
*****	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.688	4.688	(1.000)	98036	40.0000	
* 2 Naphthalene-d8	136	6.136	6.136	(1.000)	314762	40.0000	
* 3 Acenaphthene-d10	164	9.026	9.026	(1.000)	155993	40.0000	
* 4 Phenanthrene-d10	188	12.258	12.258	(1.000)	273168	40.0000	
* 5 Chrysene-d12	240	18.834	18.834	(1.000)	327755	40.0000	
* 6 Perylene-d12	264	22.173	22.173	(1.000)	436807	40.0000	
13 N-Nitrosodimethylamine	74	1.584	1.584	(0.338)	336875	160.000	158.74
10 Pyridine	79	1.568	1.568	(0.335)	585415	160.000	161.82(A)
19 Methyl methanesulfonate	80	3.214	3.214	(0.686)	324372	160.000	162.82(A)
22 Aniline	93	4.410	4.410	(0.941)	769977	160.000	152.43
23 Phenol	94	4.458	4.458	(0.951)	646792	160.000	151.09
24 bis(2-Chloroethyl)ether	93	4.480	4.480	(0.956)	550391	160.000	155.41
25 2-Chlorophenol	128	4.528	4.528	(0.966)	467999	160.000	152.03
27 1,3-Dichlorobenzene	146	4.651	4.651	(0.992)	526004	160.000	154.82
28 1,4-Dichlorobenzene	146	4.704	4.704	(1.003)	532807	160.000	154.05
29 1,2-Dichlorobenzene	146	4.896	4.896	(1.044)	482182	160.000	151.66
30 Benzyl Alcohol	108	4.886	4.886	(1.042)	345465	160.000	153.82
31 2-Methylphenol	108	5.046	5.046	(1.076)	436573	160.000	148.96
32 2,2'-oxybis(1-Chloropropane)	45	5.030	5.030	(1.073)	849820	160.000	150.56
33 N-Nitroso-di-n-propylamine	70	5.196	5.196	(1.108)	433134	160.000	152.60
35 4-Methylphenol	108	5.201	5.201	(1.109)	457187	160.000	148.15
38 Hexachloroethane	117	5.217	5.217	(1.113)	232577	160.000	157.38
39 Nitrobenzene	77	5.340	5.340	(0.870)	658561	160.000	159.91
44 Isophorone	82	5.602	5.602	(0.913)	980413	160.000	156.84
45 2-Nitrophenol	139	5.703	5.703	(0.929)	251601	160.000	160.72(A)
46 2,4-Dimethylphenol	107	5.789	5.789	(0.943)	499106	160.000	162.07(A)

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Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
47 bis (2-Chloroethoxy)methane	93	5.879	5.879	(0.958)	592353	160.000	158.68
51 2,4-Dichlorophenol	162	6.008	6.008	(0.979)	338727	160.000	155.23
52 Benzoic Acid	122	6.008	6.008	(0.979)	238540	160.000	218.58 (A)
53 1,2,4-Trichlorobenzene	180	6.088	6.088	(0.992)	367115	160.000	158.73
54 Naphthalene	128	6.162	6.162	(1.004)	1336165	160.000	155.47
55 4-Chloroaniline	127	6.280	6.280	(1.024)	506682	160.000	155.89
59 Hexachlorobutadiene	225	6.403	6.403	(1.044)	205777	160.000	160.47 (A)
62 4-Chloro-3-Methylphenol	107	7.017	7.017	(1.144)	408915	160.000	157.20
65 2-Methylnaphthalene	142	7.145	7.145	(1.165)	846546	160.000	155.50
66 1-Methylnaphthalene	142	7.316	7.316	(1.192)	774988	160.000	154.37
67 Hexachlorocyclopentadiene	237	7.509	7.509	(0.832)	215342	160.000	180.14 (A)
69 2,4,6-Trichlorophenol	196	7.674	7.674	(0.850)	214670	160.000	161.00 (A)
70 2,4,5-Trichlorophenol	196	7.760	7.760	(0.860)	219975	160.000	156.30
73 2-Chloronaphthalene	162	7.952	7.952	(0.881)	717618	160.000	158.35
77 2-Nitroaniline	65	8.230	8.230	(0.912)	331755	160.000	167.44 (A)
80 Dimethylphthalate	163	8.652	8.652	(0.959)	814495	160.000	161.36 (A)
82 2,6-Dinitrotoluene	165	8.775	8.775	(0.972)	186120	160.000	164.92 (A)
83 Acenaphthylene	152	8.727	8.727	(0.967)	1162418	160.000	158.86
85 3-Nitroaniline	138	9.047	9.047	(1.002)	227928	160.000	171.37 (A)
86 Acenaphthene	153	9.095	9.095	(1.008)	723839	160.000	158.20
87 2,4-Dinitrophenol	184	9.256	9.256	(1.025)	131775	160.000	205.09 (A)
89 4-Nitrophenol	109	9.512	9.512	(1.054)	168245	160.000	188.12 (A)
90 Dibenzofuran	168	9.427	9.427	(1.044)	992554	160.000	159.31
91 2,4-Dinitrotoluene	165	9.576	9.576	(1.061)	257760	160.000	172.58 (A)
95 2,3,5,6-Tetrachlorophenol	232	9.715	9.715	(1.076)	163642	160.000	170.58 (A)
92 2,3,4,6-Tetrachlorophenol	232	9.816	9.816	(1.088)	159761	160.000	165.15 (A)
96 2-Naphthylamine	143	9.779	9.779	(1.083)	400845	160.000	128.77
97 Diethylphthalate	149	10.148	10.148	(1.124)	861840	160.000	166.38 (A)
98 Fluorene	166	10.153	10.153	(1.125)	785416	160.000	159.05
99 4-Chlorophenyl-phenylether	204	10.196	10.196	(1.130)	357302	160.000	160.18 (A)
100 4-Nitroaniline	138	10.372	10.372	(1.149)	238235	160.000	182.64 (A)
102 4,6-Dinitro-2-methylphenol	198	10.458	10.458	(0.853)	174815	160.000	174.09 (A)
103 N-Nitrosodiphenylamine (1)	169	10.500	10.500	(0.857)	590377	160.000	154.29
104 1,2-Diphenylhydrazine	77	10.543	10.543	(0.860)	1316643	160.000	161.74 (A)
112 4-Bromophenyl-phenylether	248	11.280	11.280	(0.920)	195405	160.000	151.77
113 Hexachlorobenzene	284	11.563	11.563	(0.943)	204852	160.000	154.12
117 Pentachlorophenol	266	12.033	12.033	(0.982)	126145	160.000	181.37 (A)
122 Phenanthrene	178	12.317	12.317	(1.005)	1120932	160.000	157.15
123 Anthracene	178	12.423	12.423	(1.014)	1164917	160.000	158.23
126 Carbazole	167	12.888	12.888	(1.051)	1162133	160.000	168.75 (A)
130 Di-n-Butylphthalate	149	14.015	14.015	(1.143)	1514941	160.000	168.93 (A)
135 Fluoranthene	202	15.223	15.223	(1.242)	1270636	160.000	174.40 (A)
136 Benzidine	184	15.666	15.666	(0.832)	711767	160.000	152.64
137 Pyrene	202	15.752	15.752	(0.836)	1314904	160.000	150.06
144 Butylbenzylphthalate	149	17.723	17.723	(0.941)	855265	160.000	159.52
149 3,3'-Dichlorobenzidine	252	18.871	18.871	(1.002)	611730	160.000	160.35 (A)
150 Benzo(a)Anthracene	228	18.802	18.802	(0.998)	1456187	160.000	159.25

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Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ng)	(ng)
=====	=====	==	=====	=====	=====	=====	=====	
151 Chrysene	228	18.909	18.909	(1.004)	1352558	160.000	157.53	
153 bis(2-ethylhexyl)Phthalate	149	19.299	19.299	(1.025)	1256880	160.000	155.97	
155 Di-n-octylphthalate	149	20.773	20.773	(0.937)	2470169	160.000	148.11	
157 Benzo(b)fluoranthene	252	21.398	21.398	(0.965)	2383257	160.000	187.98 (A)	
158 Benzo(k)fluoranthene	252	21.468	21.468	(0.968)	1405894	160.000	124.36	
159 7,12-dimethylbenz[a]anthracene	256	21.452	21.452	(0.967)	855256	160.000	163.10 (A)	
167 Benzo(a)pyrene	252	22.071	22.071	(0.995)	1827078	160.000	157.40	
169 Indeno(1,2,3-cd)pyrene	276	24.363	24.363	(1.099)	2519109	160.000	150.52 (M)	
170 Dibenz(a,h)anthracene	278	24.401	24.401	(1.100)	2460149	160.000	165.86 (A)	
171 Benzo(g,h,i)perylene	276	24.887	24.887	(1.122)	2466034	160.000	165.59 (A)	
\$ 172 Nitrobenzene-d5	82	5.318	5.318	(0.867)	616407	160.000	162.88 (A)	
\$ 173 2-Fluorobiphenyl	172	7.797	7.797	(0.864)	812152	160.000	159.90	
\$ 174 Terphenyl-d14	244	16.302	16.302	(0.866)	1015367	160.000	153.83	
\$ 175 Phenol-d5	99	4.442	4.442	(0.948)	592646	160.000	150.16	
\$ 176 2-Fluorophenol	112	3.401	3.401	(0.725)	463039	160.000	156.29	
\$ 177 2,4,6-Tribromophenol	330	10.741	10.741	(0.876)	109038	160.000	158.87	
\$ 178 2-Chlorophenol-d4	132	4.512	4.512	(0.962)	422582	160.000	152.68	
\$ 179 1,2-Dichlorobenzene-d4	152	4.880	4.880	(1.041)	293507	160.000	153.18	

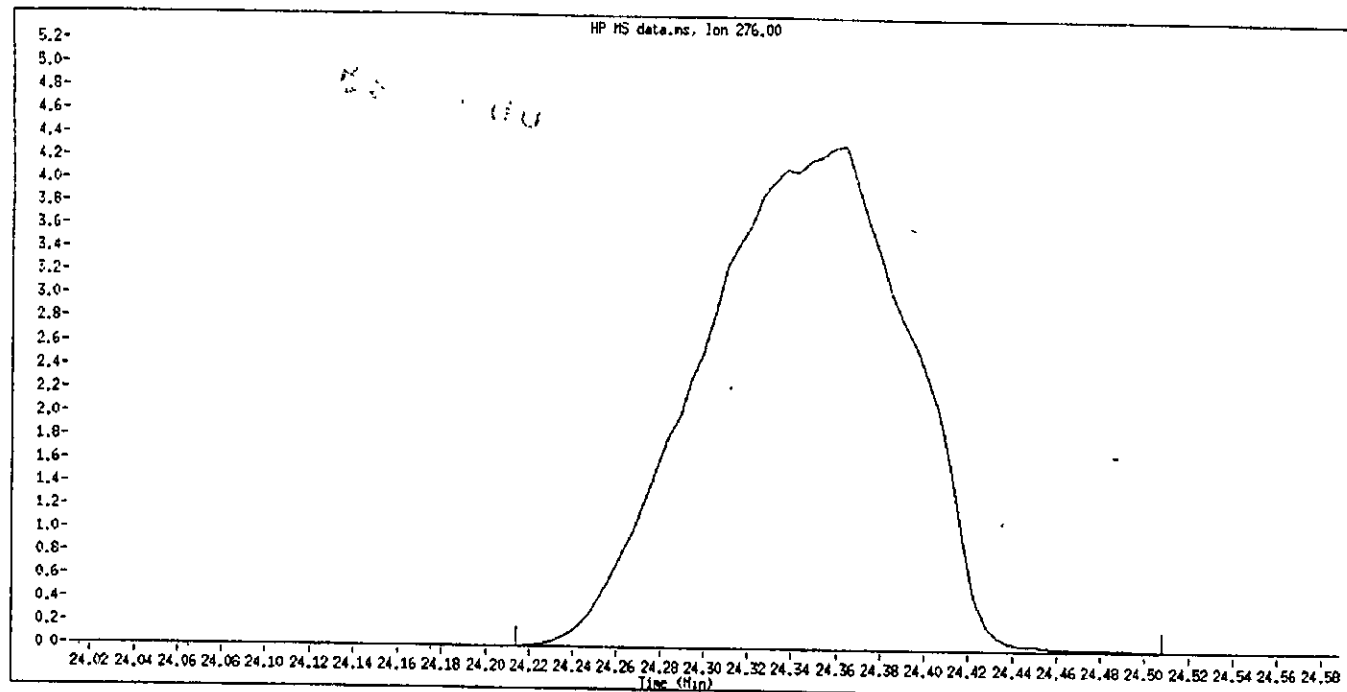
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7/20/00

QC Flag Legend

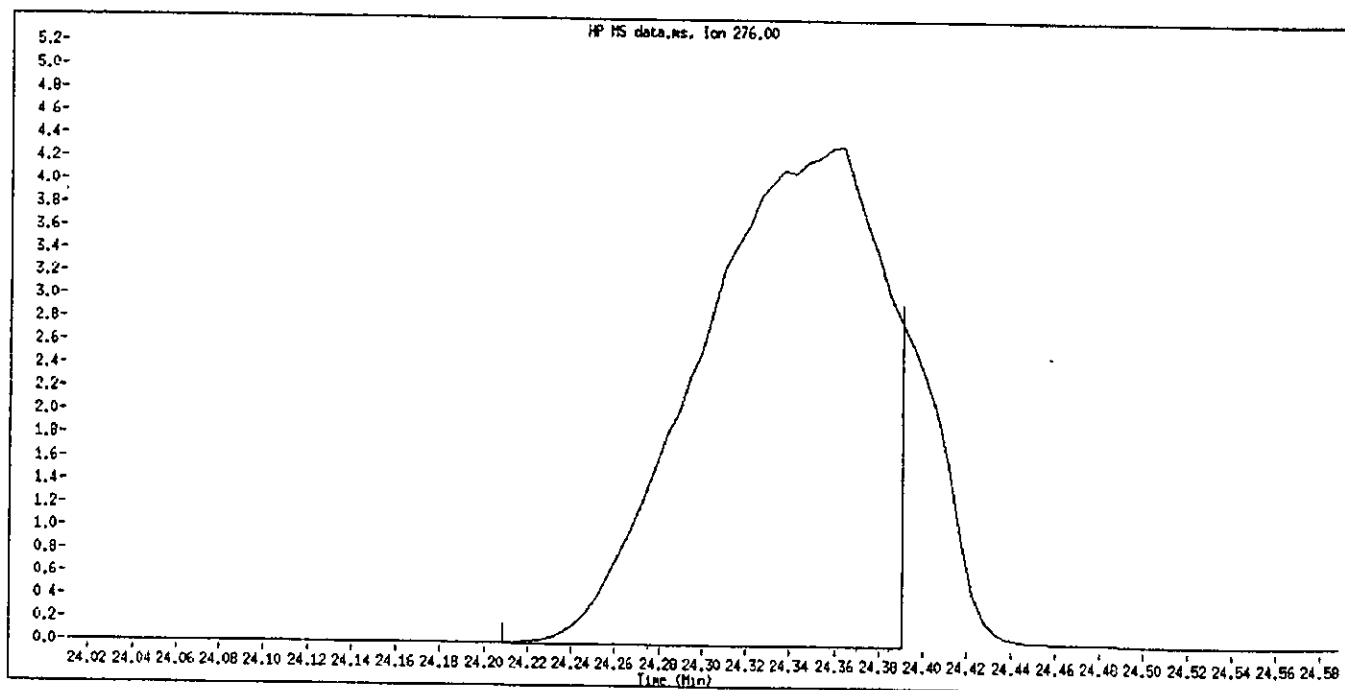
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File Name S0720CCS.D
Inj Date and Time 20-JUL-2000 16 02
Instrument ID 71.1
Client ID SSTDI60
Compound Name Indeno(1,2,3-cd)pyrene
CAS # 193-39-5
Report Date 07/20/2000

666 285



Original Integration



Manual Integration

Manually Integrated By Bachas
Manual Integration Reason Poor Chromatography

666 286

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/01/00 Time: 1206

Lab File ID: S0801CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.945	1.884	0.01	3.1	20.0
bis(2-Chloroethyl) ether	1.609	1.525	0.01	5.2	50.0
2-Chlorophenol	1.399	1.420	0.01	1.5	50.0
1,3-Dichlorobenzene	1.544	1.563	0.01	1.2	50.0
1,4-Dichlorobenzene	1.571	1.592	0.01	1.3	20.0
1,2-Dichlorobenzene	1.444	1.486	0.01	2.9	50.0
2-Methylphenol	1.332	1.301	0.01	2.3	50.0
2,2'-oxybis(1-Chloropropane)	2.564	2.399	0.01	6.4	50.0
4-Methylphenol	1.402	1.384	0.01	1.3	50.0
Hexachloroethane	0.671	0.682	0.01	1.6	50.0
Nitrobenzene	0.523	0.523	0.01	0.0	50.0
Isophorone	0.794	0.761	0.01	4.2	50.0
2-Nitrophenol	0.199	0.201	0.01	1.0	20.0
2,4-Dimethylphenol	0.391	0.393	0.01	0.5	50.0
bis(2-Chloroethoxy) methane	0.474	0.448	0.01	5.5	50.0
N-Nitroso-di-n-propylamine	1.290	1.224	0.05	5.1	50.0
2,4-Dichlorophenol	0.277	0.286	0.01	3.2	20.0
1,2,4-Trichlorobenzene	0.294	0.312	0.01	6.1	50.0
Naphthalene	1.092	1.117	0.01	2.3	50.0
4-Chloroaniline	0.413	0.408	0.01	1.2	50.0
Hexachlorobutadiene	0.163	0.183	0.01	12.3	20.0
4-Chloro-3-Methylphenol	0.330	0.307	0.01	7.0	20.0
2-Methylnaphthalene	0.692	0.696	0.01	0.6	50.0
Hexachlorocyclopentadiene	0.306	0.372	0.05	21.6	50.0
2,4,6-Trichlorophenol	0.342	0.360	0.01	5.3	20.0
2,4,5-Trichlorophenol	0.361	0.367	0.01	1.7	50.0
2-Chloronaphthalene	1.162	1.226	0.01	5.5	50.0
2-Nitroaniline	0.508	0.470	0.01	7.5	50.0
Dimethylphthalate	1.294	1.246	0.01	3.7	50.0
Acenaphthylene	1.876	1.872	0.01	0.2	50.0
2,6-Dinitrotoluene	0.289	0.266	0.01	8.0	50.0
3-Nitroaniline	0.341	0.306	0.01	10.3	50.0
Acenaphthene	1.173	1.172	0.01	0.1	20.0
2,4-Dinitrophenol	0.165	0.130	0.05	21.2	50.0
4-Nitrophenol	0.229	0.197	0.05	14.0	50.0
Dibenzofuran	1.597	1.589	0.01	0.5	50.0
2,4-Dinitrotoluene	0.383	0.337	0.01	12.0	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.: 000000

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/01/00 Time: 1206

Lab File ID: S0801CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.237	0.01	6.8	50.0
4-Chlorophenyl-phenylether	0.572	0.573	0.01	0.2	50.0
Fluorene	1.266	1.241	0.01	2.0	50.0
4-Nitroaniline	0.335	0.278	0.01	17.0	50.0
4,6-Dinitro-2-methylphenol	0.147	0.142	0.01	3.4	50.0
N-Nitrosodiphenylamine (1)	0.560	0.548	0.01	2.1	20.0
4-Bromophenyl-phenylether	0.189	0.211	0.01	11.6	50.0
Hexachlorobenzene	0.194	0.214	0.01	10.3	50.0
Pentachlorophenol	0.101	0.091	0.01	9.9	20.0
Phenanthrene	1.044	1.054	0.01	1.0	50.0
Anthracene	1.078	1.091	0.01	1.2	50.0
Carbazole	1.009	0.948	0.01	6.0	50.0
Di-n-Butylphthalate	1.313	1.219	0.01	7.2	50.0
Fluoranthene	1.067	1.030	0.01	3.5	20.0
Pyrene	1.069	1.026	0.01	4.0	50.0
Butylbenzylphthalate	0.654	0.597	0.01	8.7	50.0
3,3'-Dichlorobenzidine	0.466	0.468	0.01	0.4	50.0
Benzo (a) Anthracene	1.116	1.123	0.01	0.6	50.0
Chrysene	1.048	1.068	0.01	1.9	50.0
bis(2-ethylhexyl) Phthalate	0.983	0.902	0.01	8.2	50.0
Di-n-octylphthalate	1.527	1.418	0.01	7.1	20.0
Benzo (b) fluoranthene	1.161	1.089	0.01	6.2	50.0
Benzo (k) fluoranthene	1.035	1.213	0.01	17.2	50.0
Benzo (a) pyrene	1.063	1.089	0.01	2.4	20.0
Indeno (1,2,3-cd) pyrene	1.365	1.358	0.01	0.5	50.0
Dibenz (a,h) anthracene	1.358	1.376	0.01	1.3	50.0
Benzo (g,h,i) perylene	1.364	1.364	0.01	0.0	50.0
Pyridine	1.651	1.429	0.01	13.4	50.0
N-Nitrosodimethylamine	0.965	0.942	0.01	2.4	50.0
Aniline	2.295	1.930	0.01	15.9	50.0
Benzyl Alcohol	1.022	0.977	0.01	4.4	50.0
Benzoic Acid	0.138	0.107	0.01	22.5	50.0
1-Methylnaphthalene	0.638	0.618	0.01	3.1	50.0
2,3,4,6-Tetrachlorophenol	0.248	0.238	0.01	4.0	50.0
2,3,5,6-Tetrachlorophenol	0.246	0.231	0.01	6.1	50.0
1,2-Diphenylhydrazine	1.192	1.212	0.01	1.7	50.0
Benzidine	0.569	0.398	0.01	30.0	50.0

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FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/01/00 Time: 1206

Lab File ID: S0801CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Methyl methanesulfonate	0.905	0.600	0.01	33.7	50.0
2-Naphthylamine	0.798	0.700	0.01	12.3	50.0
7,12-dimethylbenz[a]anthrace	0.480	0.478	0.01	0.4	50.0
Nitrobenzene-d5	0.481	0.473	0.01	1.7	50.0
2-Fluorobiphenyl	1.303	1.357	0.01	4.1	50.0
Terphenyl-d14	0.806	0.775	0.01	3.8	50.0
Phenol-d5	1.793	1.681	0.01	6.2	50.0
2-Fluorophenol	1.346	1.282	0.01	4.8	50.0
2,4,6-Tribromophenol	0.101	0.104	0.01	3.0	50.0
2-Chlorophenol-d4	1.257	1.212	0.01	3.6	50.0
1,2-Dichlorobenzene-d4	0.871	0.907	0.01	4.1	50.0

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CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: 71.i
Lab File ID: S0801CCC.D
Analysis Type: NONE

Injection Date: 01-AUG-2000 12:06
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080100.b\8270clp

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
66 Pyridine	50.0000	43.2801	13.4	50.0
67 N-Nitrosodimethylamine	50.0000	48.7950	2.4	50.0
87 Methyl methanesulfonate	50.0000	33.1675	33.7	50.0
185 2-Fluorophenol	50.0000	47.6171	4.8	50.0
68 Aniline	50.0000	42.0440	15.9	50.0
184 Phenol-d5	50.0000	46.8794	6.2	50.0
1 Phenol	50.0000	48.4389	3.1	20.0
2 bis(2-Chloroethyl)ether	50.0000	47.3934	5.2	50.0
187 2-Chlorophenol-d4	50.0000	48.1883	3.6	50.0
3 2-Chlorophenol	50.0000	50.7645	1.5	50.0
4 1,3-Dichlorobenzene	50.0000	50.6416	1.3	50.0
11 1,4-Dichlorobenzene-d4	40.0000	40.0000	0.0	50.0
5 1,4-Dichlorobenzene	50.0000	50.6431	1.3	20.0
188 1,2-Dichlorobenzene-d4	50.0000	52.0718	4.1	50.0
69 Benzyl Alcohol	50.0000	47.8083	4.4	50.0
6 1,2-Dichlorobenzene	50.0000	51.4261	2.9	50.0
8 2,2'-oxybis(1-Chloropropane)	50.0000	46.7669	6.5	50.0
7 2-Methylphenol	50.0000	48.8544	2.3	50.0
18 N-Nitroso-di-n-propylamine	50.0000	47.4420	5.1	50.0
12 Hexachloroethane	50.0000	50.7853	1.6	50.0
9 4-Methylphenol	50.0000	49.3647	1.3	50.0
181 Nitrobenzene-d5	50.0000	49.1422	1.7	50.0
13 Nitrobenzene	50.0000	49.9750	0.0	50.0
14 Isophorone	50.0000	47.9199	4.2	50.0
15 2-Nitrophenol	50.0000	50.5586	1.1	20.0
16 2,4-Dimethylphenol	50.0000	50.2654	0.5	50.0
17 bis(2-Chloroethoxy)methane	50.0000	47.2420	5.5	50.0
71 Benzoic Acid	50.0000	38.5020	23.0	50.0
18 2,4-Dichlorophenol	50.0000	51.5432	3.1	20.0
19 1,2,4-Trichlorobenzene	50.0000	53.0088	6.0	50.0
32 Naphthalene-d8	40.0000	40.0000	0.0	50.0
20 Naphthalene	50.0000	51.1446	2.3	50.0
21 4-Chloroaniline	50.0000	49.3614	1.3	50.0
22 Hexachlorobutadiene	50.0000	56.2905	12.6	20.0
23 4-Chloro-3-Methylphenol	50.0000	46.4884	7.0	20.0
24 2-Methylnaphthalene	50.0000	50.2868	0.6	50.0
72 1-Methylnaphthalene	50.0000	48.4138	3.2	50.0
25 Hexachlorocyclopentadiene	50.0000	60.7475	21.5	50.0
26 2,4,6-Trichlorophenol	50.0000	52.6533	5.3	20.0

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CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: 71.i
Lab File ID: S0801CCC.D
Analysis Type: NONE

Injection Date: 01-AUG-2000 12:06
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080100.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
27 2,4,5-Trichlorophenol	50.0000	50.9129	1.8	50.0
182 2-Fluorobiphenyl	50.0000	52.1111	4.2	50.0
28 2-Chloronaphthalene	50.0000	52.7390	5.5	50.0
29 2-Nitroaniline	50.0000	46.2823	7.4	50.0
30 Dimethylphthalate	50.0000	48.1259	3.7	50.0
31 Acenaphthylene	50.0000	49.8916	0.2	50.0
32 2,6-Dinitrotoluene	50.0000	45.9053	8.2	50.0
52 Acenaphthene-d10	40.0000	40.0000	0.0	50.0
33 3-Nitroaniline	50.0000	44.8453	10.3	50.0
34 Acenaphthene	50.0000	49.9625	0.1	20.0
35 2,4-Dinitrophenol	50.0000	39.5988	20.8	50.0
37 Dibenzofuran	50.0000	49.7452	0.5	50.0
36 4-Nitrophenol	50.0000	42.9030	14.2	50.0
38 2,4-Dinitrotoluene	50.0000	44.0620	11.9	50.0
77 2,3,5,6-Tetrachlorophenol	50.0000	47.0282	5.9	50.0
114 2-Naphthylamine	50.0000	43.8384	12.3	50.0
76 2,3,4,6-Tetrachlorophenol	50.0000	48.0569	3.9	50.0
41 Fluorene	50.0000	49.0018	2.0	50.0
39 Diethylphthalate	50.0000	46.5575	6.9	50.0
40 4-Chlorophenyl-phenylether	50.0000	50.0959	0.2	50.0
42 4-Nitroaniline	50.0000	41.5579	16.9	50.0
43 4,6-Dinitro-2-methylphenol	50.0000	48.1427	3.7	50.0
44 N-Nitrosodiphenylamine (1)	50.0000	48.9409	2.1	20.0
78 1,2-Diphenylhydrazine	50.0000	50.8266	1.7	50.0
186 2,4,6-Tribromophenol	50.0000	51.8800	3.8	50.0
45 4-Bromophenyl-phenylether	50.0000	55.8913	11.8	50.0
46 Hexachlorobenzene	50.0000	55.0403	10.1	50.0
47 Pentachlorophenol	50.0000	44.5936	10.8	20.0
78 Phenanthrene-d10	40.0000	40.0000	0.0	50.0
48 Phenanthrene	50.0000	50.4386	0.9	50.0
49 Anthracene	50.0000	50.6224	1.2	50.0
50 Carbazole	50.0000	47.0339	5.9	50.0
51 Di-n-Butylphthalate	50.0000	46.4191	7.2	50.0
52 Fluoranthene	50.0000	48.2765	3.4	20.0
79 Benzdine	50.0000	34.9564	30.1	50.0
53 Pyrene	50.0000	47.9629	4.1	50.0
183 Terphenyl-d14	50.0000	48.0902	3.8	50.0
54 Butylbenzylphthalate	50.0000	45.6492	8.7	50.0
56 Benzo(a)Anthracene	50.0000	50.3028	0.6	50.0

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CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

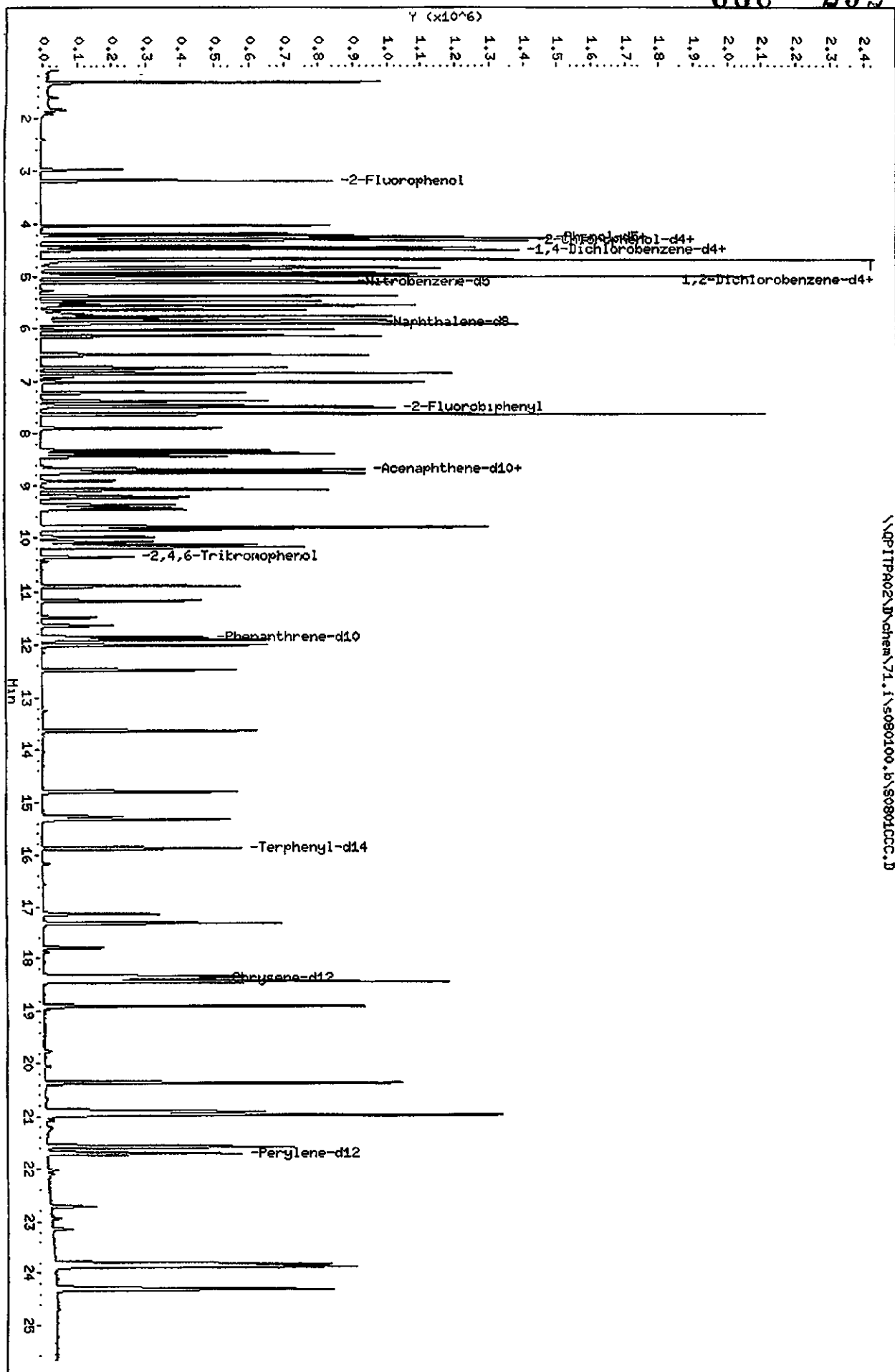
Instrument ID: 71.i
Lab File ID: S0801CCC.D
Analysis Type: NONE

Injection Date: 01-AUG-2000 12:06
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080100.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
90 Chrysene-d12	40.0000	40.0000	0.0	50.0
55 3,3'-Dichlorobenzidine	50.0000	50.2327	0.5	50.0
57 Chrysene	50.0000	50.9895	2.0	50.0
58 bis(2-ethylhexyl)Phthalate	50.0000	45.8356	8.3	50.0
59 Di-n-octylphthalate	50.0000	46.4149	7.2	20.0
60 Benzo(b)fluoranthene	50.0000	46.8849	6.2	50.0
61 Benzo(k)fluoranthene	50.0000	58.5937	17.2	50.0
143 7,12-dimethylbenz[a]anthracen	50.0000	49.8177	0.4	50.0
62 Benzo(a)pyrene	50.0000	51.2210	2.4	20.0
101 Perylene-d12	40.0000	40.0000	0.0	50.0
63 Indeno(1,2,3-cd)pyrene	50.0000	49.7529	0.5	50.0
64 Dibenz(a,h)anthracene	50.0000	50.6360	1.3	50.0
65 Benzo(g,h,i)perylene	50.0000	50.0104	0.0	50.0

Data File: \\QPIITPA02\N\chem\71.1\5080100.b\50801000.CCC.D
 Date: 01-AUG-2000 12:06
 Client ID: sstd50
 Sample Info: sstd50(25 ug/ml) 194-182-8 8270/cip
 Column Phases: 1125-115

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080100.b\S0801CCC.D
Lab Smp Id: sstd50 Client Smp ID: sstd50
Inj Date : 01-AUG-2000 12:06
Operator : 045183 Inst ID: 71.i
Smp Info : sstd50(25 ug/ml) 194-182-8 8270/clp
Misc Info : sstd50,s080100.b,8270clp.m,1-82701.sub,2,2
Comment :
Method : \\QPITPA02\D\chem\71.i\s080100.b\8270clp.m
Meth Date : 01-Aug-2000 12:35 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

8/1/00

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.480	4.480 (1.000)		142133	40.0000	
* 2 Naphthalene-d8	136	5.880	5.880 (1.000)		522897	40.0000	
* 3 Acenaphthene-d10	164	8.690	8.690 (1.000)		252482	40.0000	
* 4 Phenanthrene-d10	188	11.863	11.863 (1.000)		364178	40.0000	
* 5 Chrysene-d12	240	18.386	18.386 (1.000)		375338	40.0000	
* 6 Perylene-d12	264	21.709	21.709 (1.000)		483260	40.0000	
13 N-Nitrosodimethylamine	74	1.318	1.318 (0.294)		167341	50.0000	48.795
10 Pyridine	79	1.312	1.312 (0.293)		253922	50.0000	43.280
19 Methyl methanesulfonate	80	2.979	2.979 (0.665)		106680	50.0000	33.167
22 Aniline	93	4.197	4.197 (0.937)		342873	50.0000	42.044
23 Phenol	94	4.261	4.261 (0.951)		334778	50.0000	48.439
24 bis(2-Chloroethyl)ether	93	4.272	4.272 (0.954)		270990	50.0000	47.393
25 2-Chlorophenol	128	4.320	4.320 (0.964)		252295	50.0000	50.764
27 1,3-Dichlorobenzene	146	4.438	4.438 (0.990)		277776	50.0000	50.642
28 1,4-Dichlorobenzene	146	4.496	4.496 (1.004)		282790	50.0000	50.643
29 1,2-Dichlorobenzene	146	4.683	4.683 (1.045)		263933	50.0000	51.426
30 Benzyl Alcohol	108	4.673	4.673 (1.043)		173589	50.0000	47.808
31 2-Methylphenol	108	4.838	4.838 (1.080)		231168	50.0000	48.854
32 2,2'-oxybis(1-Chloropropane)	45	4.822	4.822 (1.076)		426184	50.0000	46.767
33 N-Nitroso-di-n-propylamine	70	4.972	4.972 (1.110)		217409	50.0000	47.442
35 4-Methylphenol	108	4.993	4.993 (1.114)		245943	50.0000	49.365
38 Hexachloroethane	117	4.988	4.988 (1.113)		121164	50.0000	50.785
39 Nitrobenzene	77	5.105	5.105 (0.868)		341904	50.0000	49.975
44 Isophorone	82	5.362	5.362 (0.912)		497622	50.0000	47.920
45 2-Nitrophenol	139	5.458	5.458 (0.928)		131486	50.0000	50.558
46 2,4-Dimethylphenol	107	5.554	5.554 (0.945)		257149	50.0000	50.265

Report Date: 01-Aug-2000 13:07

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Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
47 bis(2-Chloroethoxy)methane	93	5.640	5.640	(0.959)	292964	50.0000	47.242
51 2,4-Dichlorophenol	162	5.757	5.757	(0.979)	186847	50.0000	51.543
52 Benzoic Acid	122	5.725	5.725	(0.974)	69801	50.0000	38.502
53 1,2,4-Trichlorobenzene	180	5.832	5.832	(0.992)	203667	50.0000	53.009
54 Naphthalene	128	5.901	5.901	(1.004)	730202	50.0000	51.145
55 4-Chloroaniline	127	6.019	6.019	(1.024)	266519	50.0000	49.361
59 Hexachlorobutadiene	225	6.142	6.142	(1.045)	119917	50.0000	56.290
62 4-Chloro-3-Methylphenol	107	6.745	6.745	(1.147)	200885	50.0000	46.488
65 2-Methylnaphthalene	142	6.858	6.858	(1.166)	454790	50.0000	50.287
66 1-Methylnaphthalene	142	7.018	7.018	(1.194)	403768	50.0000	48.414
67 Hexachlorocyclopentadiene	237	7.215	7.215	(0.830)	117536	50.0000	60.747
69 2,4,6-Trichlorophenol	196	7.381	7.381	(0.849)	113633	50.0000	52.653
70 2,4,5-Trichlorophenol	196	7.461	7.461	(0.859)	115973	50.0000	50.913
73 2-Chloronaphthalene	162	7.638	7.638	(0.879)	386849	50.0000	52.739
77 2-Nitroaniline	65	7.910	7.910	(0.910)	148417	50.0000	46.282
80 Dimethylphthalate	163	8.332	8.332	(0.959)	393192	50.0000	48.126
82 2,6-Dinitrotoluene	165	8.444	8.444	(0.972)	83850	50.0000	45.905
83 Acenaphthylene	152	8.391	8.391	(0.966)	590884	50.0000	49.892
85 3-Nitroaniline	138	8.706	8.706	(1.002)	96538	50.0000	44.845
86 Acenaphthene	153	8.749	8.749	(1.007)	369995	50.0000	49.962
87 2,4-Dinitrophenol	184	8.909	8.909	(1.025)	41180	50.0000	39.599
89 4-Nitrophenol	109	9.181	9.181	(1.057)	62105	50.0000	42.903
90 Dibenzofuran	168	9.069	9.069	(1.044)	501623	50.0000	49.745
91 2,4-Dinitrotoluene	165	9.219	9.219	(1.061)	106514	50.0000	44.062
95 2,3,5,6-Tetrachlorophenol	232	9.363	9.363	(1.077)	73023	50.0000	47.028
92 2,3,4,6-Tetrachlorophenol	232	9.459	9.459	(1.089)	75245	50.0000	48.057
96 2-Naphthylamine	143	9.411	9.411	(1.083)	220866	50.0000	43.838
97 Diethylphthalate	149	9.796	9.796	(1.127)	390335	50.0000	46.558
98 Fluorene	166	9.785	9.785	(1.126)	391646	50.0000	49.002
99 4-Chlorophenyl-phenylether	204	9.838	9.838	(1.132)	180864	50.0000	50.096
100 4-Nitroaniline	138	9.988	9.988	(1.149)	87736	50.0000	41.558
102 4,6-Dinitro-2-methylphenol	198	10.074	10.074	(0.849)	64450	50.0000	48.143
103 N-Nitrosodiphenylamine (1)	169	10.132	10.132	(0.854)	249665	50.0000	48.941
104 1,2-Diphenylhydrazine	77	10.175	10.175	(0.858)	551585	50.0000	50.826
112 4-Bromophenyl-phenylether	248	10.902	10.902	(0.919)	95936	50.0000	55.891
113 Hexachlorobenzene	284	11.179	11.179	(0.942)	97531	50.0000	55.040
117 Pentachlorophenol	266	11.644	11.644	(0.982)	41349	50.0000	44.594 (M)
122 Phenanthrene	178	11.911	11.911	(1.004)	479631	50.0000	50.438
123 Anthracene	178	12.018	12.018	(1.013)	496857	50.0000	50.622
126 Carbazole	167	12.483	12.483	(1.052)	431818	50.0000	47.034
130 Di-n-Butylphthalate	149	13.637	13.637	(1.149)	554963	50.0000	46.419
135 Fluoranthene	202	14.785	14.785	(1.246)	468922	50.0000	48.276
136 Benzidine	184	15.250	15.250	(0.829)	186666	50.0000	34.956
137 Pyrene	202	15.314	15.314	(0.833)	481292	50.0000	47.963
144 Butylbenzylphthalate	149	17.317	17.317	(0.942)	280278	50.0000	45.649
149 3,3'-Dichlorobenzidine	252	18.439	18.439	(1.003)	219462	50.0000	50.233
150 Benzo(a)Anthracene	228	18.348	18.348	(0.998)	526753	50.0000	50.303

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Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
-----	----	-----	-----	-----	-----	-----	-----	-----
151 Chrysene	228	18.445	18.445	(1.003)	501347	50.0000	50.989	
153 bis(2-ethylhexyl) Phthalate	149	18.904	18.904	(1.028)	422983	50.0000	45.836	
155 Di-n-octylphthalate	149	20.362	20.362	(0.938)	856443	50.0000	46.415	
157 Benzo(b)fluoranthene	252	20.902	20.902	(0.963)	657619	50.0000	46.885	
158 Benzo(k)fluoranthene	252	20.961	20.961	(0.966)	732815	50.0000	58.594	
159 7,12-dimethylbenz[a]anthracen	256	20.971	20.971	(0.966)	289019	50.0000	49.818	
167 Benzo(a)pyrene	252	21.586	21.586	(0.994)	657778	50.0000	51.221	
169 Indeno(1,2,3-cd)pyrene	276	23.819	23.819	(1.097)	820270	50.0000	49.753	
170 Dibenzo(a,h)anthracene	278	23.867	23.867	(1.099)	830936	50.0000	50.636	
171 Benzo(g,h,i)perylene	276	24.300	24.300	(1.119)	823973	50.0000	50.010	
\$ 172 Nitrobenzene-d5	82	5.089	5.089	(0.866)	308957	50.0000	49.142	
\$ 173 2-Fluorobiphenyl	172	7.493	7.493	(0.862)	428388	50.0000	52.111	
\$ 174 Terphenyl-d14	244	15.880	15.880	(0.864)	363507	50.0000	48.090	
\$ 175 Phenol-d5	99	4.245	4.245	(0.948)	298720	50.0000	46.879	
\$ 176 2-Fluorophenol	112	3.182	3.182	(0.710)	227767	50.0000	47.617	
\$ 177 2,4,6-Tribromophenol	330	10.362	10.362	(0.873)	47469	50.0000	51.880	
\$ 178 2-Chlorophenol-d4	132	4.304	4.304	(0.961)	215326	50.0000	48.188	
\$ 179 1,2-Dichlorobenzene-d4	152	4.667	4.667	(1.042)	161086	50.0000	52.072	

QC Flag Legend

M - Compound response manually integrated.

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 71.i Injection Date: 01-AUG-2000 12:06
Lab File ID: S0801CCC.D Init. Cal. Date(s): 20-JUL-2000 20-JUL-2000
Analysis Type: Init. Cal. Times: 13:55 16:02
Lab Sample ID: sstd50 Quant Type: ISTD
Method: \\QPITPA02\D\chem\71.i\s080100.b\8270clp.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
13 N-Nitrosodimethylamine	0.96514	0.94188	0.010	-2.4	50.0
10 Pyridine	1.65111	1.42921	0.010	-13.4	50.0
19 Methyl methanesulfonate	0.90518	0.60045	0.010	-33.7	50.0
22 Aniline	2.29506	1.92987	0.010	-15.9	50.0
23 Phenol	1.94504	1.88431	0.010	-3.1	20.0
24 bis(2-Chloroethyl)ether	1.60916	1.52528	0.010	-5.2	50.0
25 2-Chlorophenol	1.39866	1.42005	0.010	1.5	50.0
27 1,3-Dichlorobenzene	1.54366	1.56347	0.010	1.3	50.0
28 1,4-Dichlorobenzene	1.57148	1.59169	0.010	1.3	20.0
29 1,2-Dichlorobenzene	1.44436	1.48556	0.010	2.9	50.0
30 Benzyl Alcohol	1.02184	0.97705	0.010	-4.4	50.0
31 2-Methylphenol	1.33165	1.30114	0.010	-2.3	50.0
32 2,2'-oxybis(1-Chloropropane	2.56462	2.39879	0.010	-6.5	50.0
33 N-Nitroso-di-n-propylamine	1.28967	1.22369	0.050	-5.1	50.0
35 4-Methylphenol	1.40211	1.38430	0.010	-1.3	50.0
38 Hexachloroethane	0.67143	0.68198	0.010	1.6	50.0
39 Nitrobenzene	0.52335	0.52309	0.010	-0.0	50.0
44 Isophorone	0.79438	0.76133	0.010	-4.2	50.0
45 2-Nitrophenol	0.19894	0.20117	0.010	1.1	20.0
46 2,4-Dimethylphenol	0.39134	0.39342	0.010	0.5	50.0
47 bis(2-Chloroethoxy)methane	0.47438	0.44822	0.010	-5.5	50.0
51 2,4-Dichlorophenol	0.27731	0.28586	0.010	3.1	20.0
52 Benzoic Acid	0.13868	0.10679	0.010	-23.0	50.0
53 1,2,4-Trichlorobenzene	0.29391	0.31160	0.010	6.0	50.0
54 Naphthalene	1.09216	1.11716	0.010	2.3	50.0
55 4-Chloroaniline	0.41303	0.40776	0.010	-1.3	50.0
59 Hexachlorobutadiene	0.16296	0.18347	0.010	12.6	20.0
62 4-Chloro-3-Methylphenol	0.33056	0.30734	0.010	-7.0	20.0
65 2-Methylnaphthalene	0.69183	0.69580	0.010	0.6	50.0
66 1-Methylnaphthalene	0.63798	0.61774	0.010	-3.2	50.0
67 Hexachlorocyclopentadiene	0.30653	0.37242	0.050	21.5	50.0
69 2,4,6-Trichlorophenol	0.34191	0.36005	0.010	5.3	20.0
70 2,4,5-Trichlorophenol	0.36088	0.36747	0.010	1.8	50.0
73 2-Chloronaphthalene	1.16209	1.22575	0.010	5.5	50.0
77 2-Nitroaniline	0.50804	0.47027	0.010	-7.4	50.0

Data File Name S0801CCC.D

Inj Date and Time 01-AUG-2000 12:06

Instrument ID: 71.1

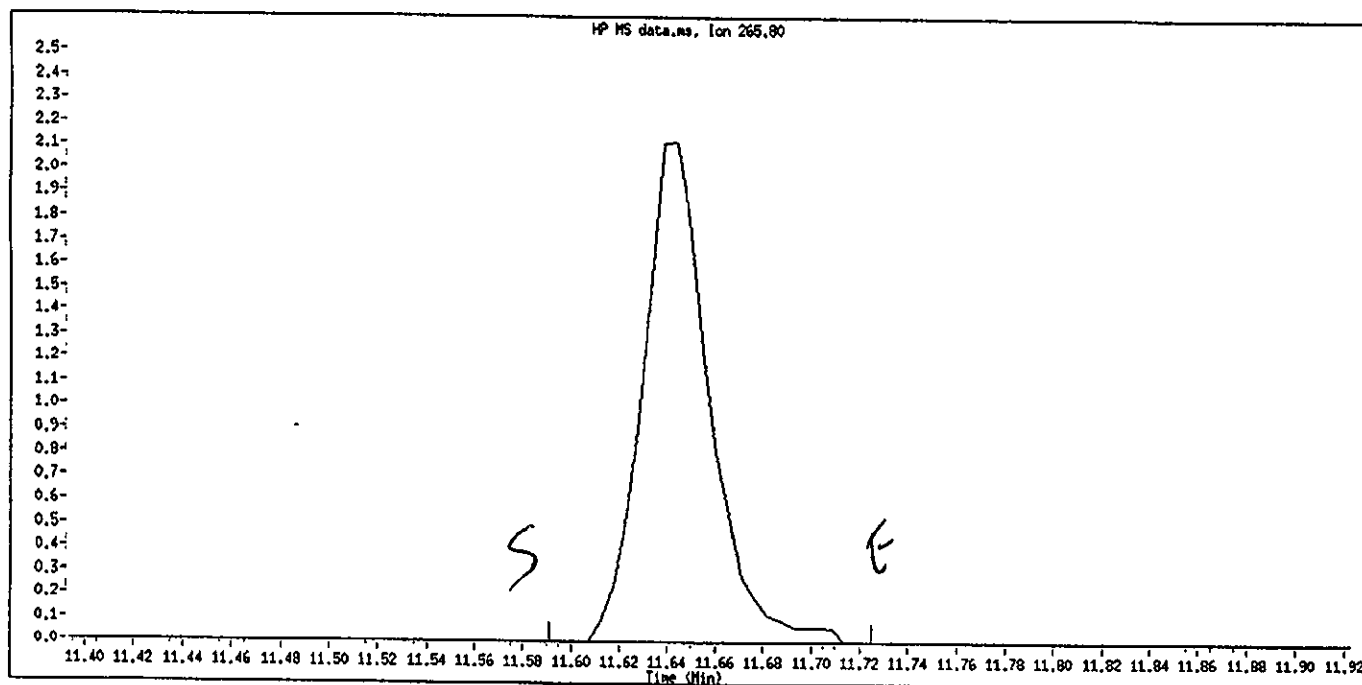
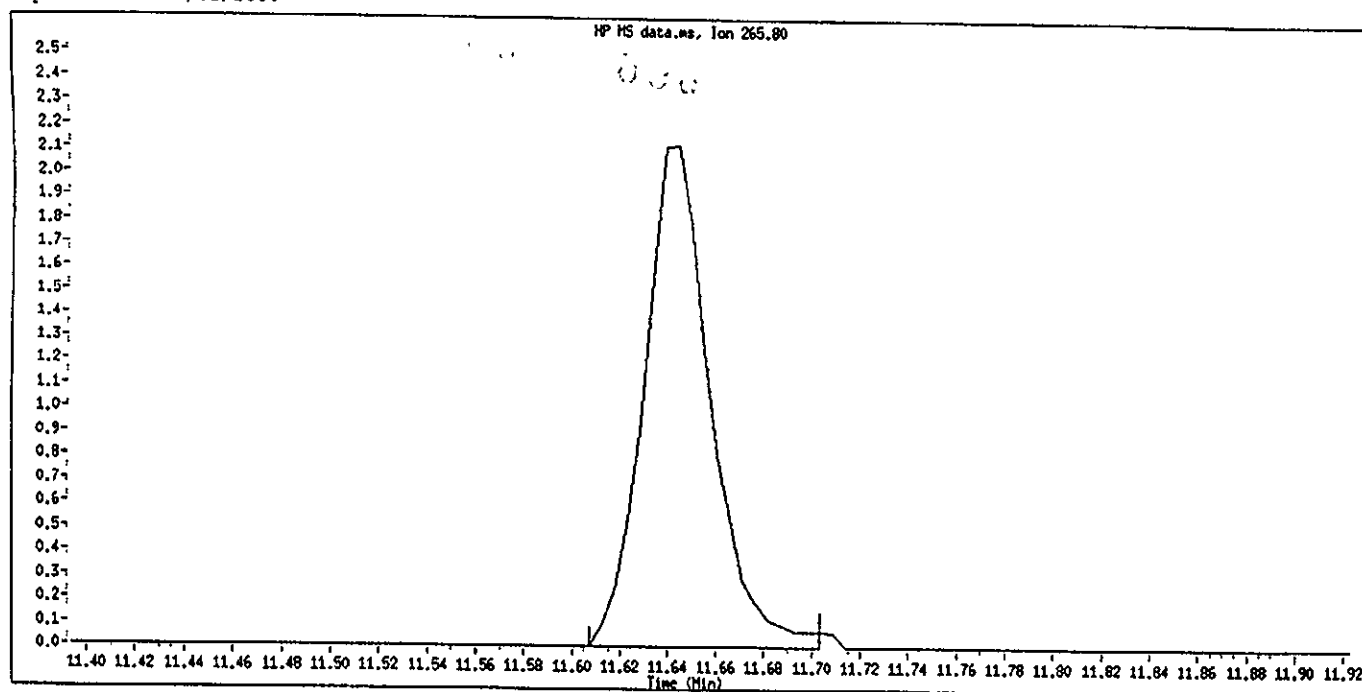
Client ID: sstd50

Compound Name: Pentachlorophenol

CAS #: 87-86-5

Report Date: 08/01/2000

666 297



Manually Integrated By: BachaS

Manual Integration Reason: Poor Chromatography

666 298

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/02/00 Time: 1125

Lab File ID: S0802CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Phenol	1.945	1.807	0.01	7.1	20.0
bis(2-Chloroethyl) ether	1.609	1.472	0.01	8.5	50.0
2-Chlorophenol	1.399	1.400	0.01	0.1	50.0
1,3-Dichlorobenzene	1.544	1.561	0.01	1.1	50.0
1,4-Dichlorobenzene	1.571	1.586	0.01	1.0	20.0
1,2-Dichlorobenzene	1.444	1.469	0.01	1.7	50.0
2-Methylphenol	1.332	1.272	0.01	4.5	50.0
2,2'-oxybis(1-Chloropropane)	2.564	2.306	0.01	10.1	50.0
4-Methylphenol	1.402	1.335	0.01	4.8	50.0
Hexachloroethane	0.671	0.685	0.01	2.1	50.0
Nitrobenzene	0.523	0.509	0.01	2.7	50.0
Isophorone	0.794	0.754	0.01	5.0	50.0
2-Nitrophenol	0.199	0.200	0.01	0.5	20.0
2,4-Dimethylphenol	0.391	0.392	0.01	0.2	50.0
bis(2-Chloroethoxy) methane	0.474	0.437	0.01	7.8	50.0
N-Nitroso-di-n-propylamine	1.290	1.165	0.05	9.7	50.0
2,4-Dichlorophenol	0.277	0.285	0.01	2.9	20.0
1,2,4-Trichlorobenzene	0.294	0.310	0.01	5.4	50.0
Naphthalene	1.092	1.104	0.01	1.1	50.0
4-Chloroaniline	0.413	0.411	0.01	0.5	50.0
Hexachlorobutadiene	0.163	0.184	0.01	12.9	20.0
4-Chloro-3-Methylphenol	0.330	0.324	0.01	1.8	20.0
2-Methylnaphthalene	0.692	0.702	0.01	1.4	50.0
Hexachlorocyclopentadiene	0.306	0.318	0.05	3.9	50.0
2,4,6-Trichlorophenol	0.342	0.352	0.01	2.9	20.0
2,4,5-Trichlorophenol	0.361	0.372	0.01	3.0	50.0
2-Chloronaphthalene	1.162	1.174	0.01	1.0	50.0
2-Nitroaniline	0.508	0.500	0.01	1.6	50.0
Dimethylphthalate	1.294	1.339	0.01	3.5	50.0
Acenaphthylene	1.876	1.867	0.01	0.5	50.0
2,6-Dinitrotoluene	0.289	0.298	0.01	3.1	50.0
3-Nitroaniline	0.341	0.360	0.01	5.6	50.0
Acenaphthene	1.173	1.178	0.01	0.4	20.0
2,4-Dinitrophenol	0.165	0.160	0.05	3.0	50.0
4-Nitrophenol	0.229	0.246	0.05	7.4	50.0
Dibenzofuran	1.597	1.632	0.01	2.2	50.0
2,4-Dinitrotoluene	0.383	0.405	0.01	5.7	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

666 299

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/02/00 Time: 1125

Lab File ID: S0802CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.416	0.01	6.6	50.0
4-Chlorophenyl-phenylether	0.572	0.609	0.01	6.5	50.0
Fluorene	1.266	1.333	0.01	5.3	50.0
4-Nitroaniline	0.335	0.357	0.01	6.6	50.0
4,6-Dinitro-2-methylphenol	0.147	0.133	0.01	9.5	50.0
N-Nitrosodiphenylamine (1)	0.560	0.511	0.01	8.8	20.0
4-Bromophenyl-phenylether	0.189	0.192	0.01	1.6	50.0
Hexachlorobenzene	0.194	0.203	0.01	4.6	50.0
Pentachlorophenol	0.101	0.097	0.01	4.0	20.0
Phenanthrene	1.044	1.054	0.01	1.0	50.0
Anthracene	1.078	1.089	0.01	1.0	50.0
Carbazole	1.009	1.031	0.01	2.2	50.0
Di-n-Butylphthalate	1.313	1.364	0.01	3.9	50.0
Fluoranthene	1.067	1.171	0.01	9.7	20.0
Pyrene	1.069	1.072	0.01	0.3	50.0
Butylbenzylphthalate	0.654	0.623	0.01	4.7	50.0
3,3'-Dichlorobenzidine	0.466	0.446	0.01	4.3	50.0
Benzo(a)Anthracene	1.116	1.118	0.01	0.2	50.0
Chrysene	1.048	1.040	0.01	0.8	50.0
bis(2-ethylhexyl)Phthalate	0.983	0.911	0.01	7.3	50.0
Di-n-octylphthalate	1.527	1.485	0.01	2.8	20.0
Benzo(b)fluoranthene	1.161	1.119	0.01	3.6	50.0
Benzo(k)fluoranthene	1.035	1.225	0.01	18.4	50.0
Benzo(a)pyrene	1.063	1.099	0.01	3.4	20.0
Indeno(1,2,3-cd)pyrene	1.365	1.326	0.01	2.8	50.0
Dibenz(a,h)anthracene	1.358	1.308	0.01	3.7	50.0
Benzo(g,h,i)perylene	1.364	1.292	0.01	5.3	50.0
Pyridine	1.651	1.431	0.01	13.3	50.0
N-Nitrosodimethylamine	0.965	0.904	0.01	6.3	50.0
Aniline	2.295	1.843	0.01	19.7	50.0
Benzyl Alcohol	1.022	0.929	0.01	9.1	50.0
Benzoic Acid	0.138	0.151	0.01	9.4	50.0
1-Methylnaphthalene	0.638	0.626	0.01	1.9	50.0
2,3,4,6-Tetrachlorophenol	0.248	0.273	0.01	10.1	50.0
2,3,5,6-Tetrachlorophenol	0.246	0.264	0.01	7.3	50.0
1,2-Diphenylhydrazine	1.192	1.054	0.01	11.6	50.0
Benzidine	0.569	0.400	0.01	29.7	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0G270302

Instrument ID: 71

Calibration Date: 08/02/00 Time: 1125

Lab File ID: S0802CCC

Init. Calib. Date(s): 07/20/00 07/20/00

Init. Calib. Times: 1355 1602

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Methyl methanesulfonate	0.905	0.570	0.01	37.0	50.0
2-Naphthylamine	0.798	0.802	0.01	0.5	50.0
7,12-dimethylbenz[a]anthrace	0.480	0.493	0.01	2.7	50.0
Nitrobenzene-d5	0.481	0.467	0.01	2.9	50.0
2-Fluorobiphenyl	1.303	1.286	0.01	1.3	50.0
Terphenyl-d14	0.806	0.826	0.01	2.5	50.0
Phenol-d5	1.793	1.634	0.01	8.9	50.0
2-Fluorophenol	1.346	1.259	0.01	6.5	50.0
2,4,6-Tribromophenol	0.101	0.099	0.01	2.0	50.0
2-Chlorophenol-d4	1.257	1.201	0.01	4.4	50.0
1,2-Dichlorobenzene-d4	0.871	0.895	0.01	2.8	50.0

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: 71.i
Lab File ID: S0802CCC.D
Analysis Type: NONE

Injection Date: 02-AUG-2000 11:25
Lab Sample ID: sstd50
Method File: \\QPITPA02\D\chem\71.i\s080200.b\8270clp

COMPOUND	EXPECTED CONC	MEASURED CONC.	%D	MAX %D
67 N-Nitrosodimethylamine	50.0000	46.8244	6.4	50.0
66 Pyridine	50.0000	43.3487	13.3	50.0
87 Methyl methanesulfonate	50.0000	31.4637	37.1	50.0
185 2-Fluorophenol	50.0000	46.7665	6.5	50.0
68 Aniline	50.0000	40.1621	19.7	50.0
184 Phenol-d5	50.0000	45.5752	8.8	50.0
1 Phenol	50.0000	46.4602	7.1	20.0
2 bis(2-Chloroethyl) ether	50.0000	45.7441	8.5	50.0
187 2-Chlorophenol-d4	50.0000	47.7685	4.5	50.0
3 2-Chlorophenol	50.0000	50.0507	0.1	50.0
4 1,3-Dichlorobenzene	50.0000	50.5721	1.1	50.0
11 1,4-Dichlorobenzene-d4	40.0000	40.0000	0.0	50.0
5 1,4-Dichlorobenzene	50.0000	50.4561	0.9	20.0
188 1,2-Dichlorobenzene-d4	50.0000	51.4212	2.8	50.0
69 Benzyl Alcohol	50.0000	45.4503	9.1	50.0
6 1,2-Dichlorobenzene	50.0000	50.8566	1.7	50.0
8 2,2'-oxybis(1-Chloropropane)	50.0000	44.9564	10.1	50.0
7 2-Methylphenol	50.0000	47.7505	4.5	50.0
18 N-Nitroso-di-n-propylamine	50.0000	45.1625	9.7	50.0
9 4-Methylphenol	50.0000	47.5956	4.8	50.0
12 Hexachloroethane	50.0000	51.0111	2.0	50.0
181 Nitrobenzene-d5	50.0000	48.5323	2.9	50.0
13 Nitrobenzene	50.0000	48.5963	2.8	50.0
14 Isophorone	50.0000	47.4722	5.1	50.0
15 2-Nitrophenol	50.0000	50.2394	0.5	20.0
16 2,4-Dimethylphenol	50.0000	50.1202	0.2	50.0
17 bis(2-Chloroethoxy)methane	50.0000	46.1095	7.8	50.0
71 Benzoic Acid	50.0000	54.3679	8.7	50.0
18 2,4-Dichlorophenol	50.0000	51.3939	2.8	20.0
19 1,2,4-Trichlorobenzene	50.0000	52.7565	5.5	50.0
32 Naphthalene-d8	40.0000	40.0000	0.0	50.0
20 Naphthalene	50.0000	50.5319	1.1	50.0
21 4-Chloroaniline	50.0000	49.8074	0.4	50.0
22 Hexachlorobutadiene	50.0000	56.4780	13.0	20.0
23 4-Chloro-3-Methylphenol	50.0000	48.9448	2.1	20.0
24 2-Methylnaphthalene	50.0000	50.7775	1.6	50.0
72 1-Methylnaphthalene	50.0000	49.0261	1.9	50.0
25 Hexachlorocyclopentadiene	50.0000	51.9002	3.8	50.0
26 2,4,6-Trichlorophenol	50.0000	51.5005	3.0	20.0

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CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

Instrument ID: 71.i
 Lab File ID: S0802CCC.D
 Analysis Type: NONE

Injection Date: 02-AUG-2000 11:25
 Lab Sample ID: sstd50
 Method File: \\QPITPA02\D\chem\71.i\s080200.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
27 2,4,5-Trichlorophenol	50.0000	51.4808	3.0	50.0
182 2-Fluorobiphenyl	50.0000	49.3876	1.2	50.0
28 2-Chloronaphthalene	50.0000	50.5046	1.0	50.0
29 2-Nitroaniline	50.0000	49.2515	1.5	50.0
30 Dimethylphthalate	50.0000	51.7187	3.4	50.0
31 Acenaphthylene	50.0000	49.7472	0.5	50.0
32 2,6-Dinitrotoluene	50.0000	51.4373	2.9	50.0
52 Acenaphthene-d10	40.0000	40.0000	0.0	50.0
33 3-Nitroaniline	50.0000	52.8600	5.7	50.0
34 Acenaphthene	50.0000	50.1955	0.4	20.0
35 2,4-Dinitrophenol	50.0000	48.6540	2.7	50.0
37 Dibenzofuran	50.0000	51.0689	2.1	50.0
36 4-Nitrophenol	50.0000	53.7041	7.4	50.0
38 2,4-Dinitrotoluene	50.0000	52.8847	5.8	50.0
77 2,3,5,6-Tetrachlorophenol	50.0000	53.6765	7.4	50.0
114 2-Naphthylamine	50.0000	50.2547	0.5	50.0
76 2,3,4,6-Tetrachlorophenol	50.0000	54.9775	10.0	50.0
41 Fluorene	50.0000	52.6295	5.3	50.0
39 Diethylphthalate	50.0000	53.2852	6.6	50.0
40 4-Chlorophenyl-phenylether	50.0000	53.2242	6.4	50.0
42 4-Nitroaniline	50.0000	53.3523	6.7	50.0
43 4,6-Dinitro-2-methylphenol	50.0000	45.2824	9.4	50.0
44 N-Nitrosodiphenylamine (1)	50.0000	45.6097	8.8	20.0
79 1,2-Diphenylhydrazine	50.0000	44.1941	11.6	50.0
186 2,4,6-Tribromophenol	50.0000	49.4371	1.1	50.0
45 4-Bromophenyl-phenylether	50.0000	51.0614	2.1	50.0
46 Hexachlorobenzene	50.0000	52.2671	4.5	50.0
47 Pentachlorophenol	50.0000	47.8020	4.4	20.0
78 Phenanthrene-d10	40.0000	40.0000	0.0	50.0
48 Phenanthrene	50.0000	50.4338	0.9	50.0
49 Anthracene	50.0000	50.5247	1.0	50.0
50 Carbazole	50.0000	51.1274	2.3	50.0
51 Di-n-Butylphthalate	50.0000	51.9247	3.8	50.0
52 Fluoranthene	50.0000	54.9028	9.8	20.0
79 Benzidine	50.0000	35.1836	29.6	50.0
53 Pyrene	50.0000	50.1348	0.3	50.0
183 Terphenyl-d14	50.0000	51.2407	2.5	50.0
54 Butylbenzylphthalate	50.0000	47.6088	4.8	50.0
56 Benzo(a)Anthracene	50.0000	50.1026	0.2	50.0

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CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

Instrument ID: 71.i
 Lab File ID: S0802CCC.D
 Analysis Type: NONE

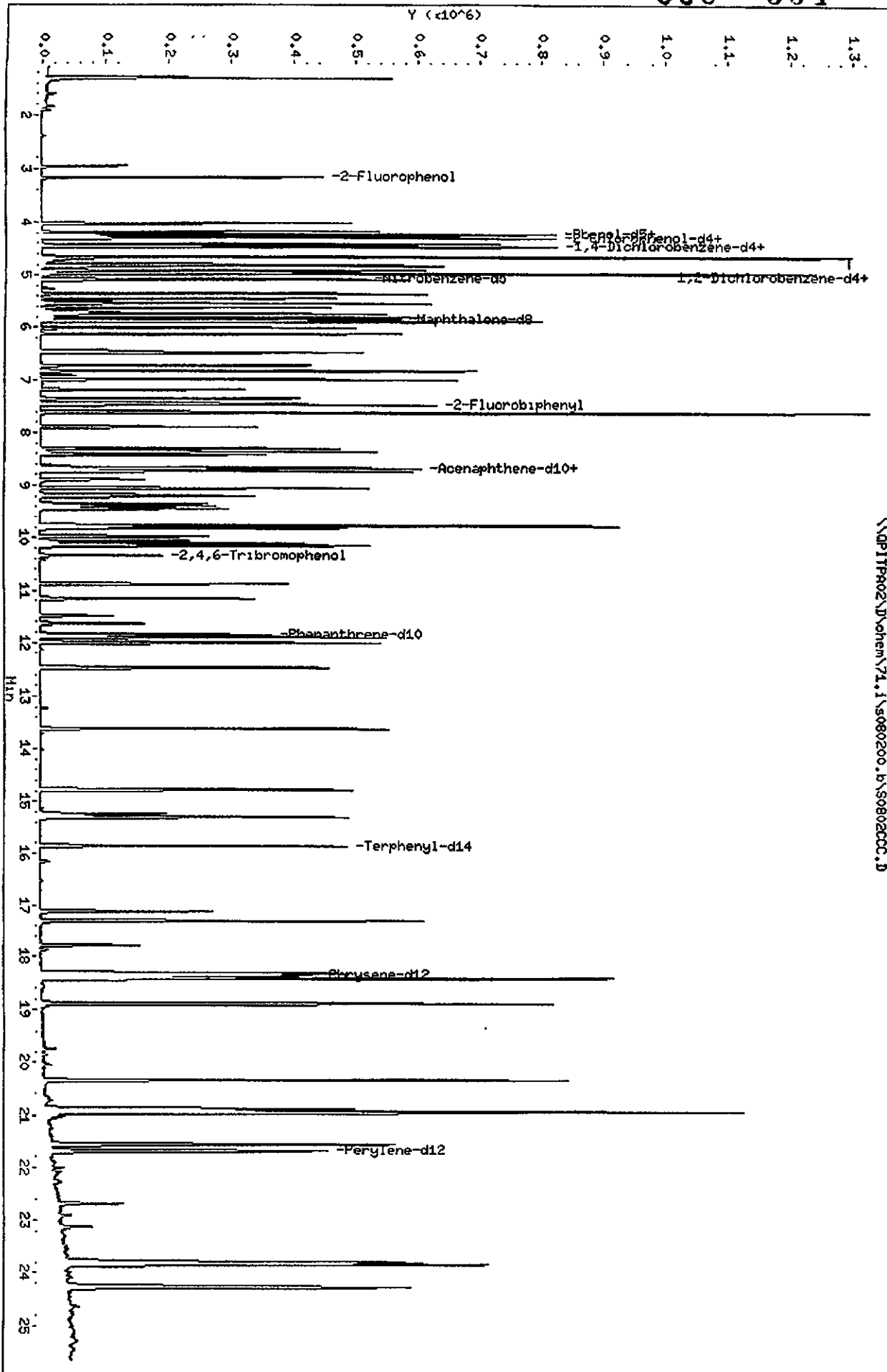
Injection Date: 02-AUG-2000 11:25
 Lab Sample ID: sstd50
 Method File: \\QPITPA02\D\chem\71.i\s080200.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
90 Chrysene-d12	40.0000	40.0000	0.0	50.0
55 3,3'-Dichlorobenzidine	50.0000	47.9372	4.1	50.0
57 Chrysene	50.0000	49.6399	0.7	50.0
58 bis(2-ethylhexyl)Phthalate	50.0000	46.3102	7.4	50.0
59 Di-n-octylphthalate	50.0000	48.6255	2.7	20.0
60 Benzo(b)fluoranthene	50.0000	48.1914	3.6	50.0
61 Benzo(k)fluoranthene	50.0000	59.1884	18.4	50.0
143 7,12-dimethylbenz(a)anthracen	50.0000	51.3150	2.6	50.0
62 Benzo(a)pyrene	50.0000	51.6893	3.4	20.0
101 Perylene-d12	40.0000	40.0000	0.0	50.0
63 Indeno(1,2,3-cd)pyrene	50.0000	48.5826	2.8	50.0
64 Dibenz(a,h)anthracene	50.0000	48.1637	3.7	50.0
65 Benzo(g,h,i)perylene	50.0000	47.3651	5.3	50.0

Data File: \\NPITP02\chem\74.1\5080200.b\5080200.D
Date: 02-06-2000 11:25
Client ID: sstd50
Sample Info: sstd50(25 ug/ml) 194-182-8 8270/c1p
Column Phase: H5-HS

Instrument: 74.1
Operator: 045183
Column diameter: 0.25

\\NPITP02\chem\74.1\5080200.b\5080200.D



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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080200.b\S0802CCC.D
Lab Smp Id: sstd50 Client Smp ID: sstd50
Inj Date : 02-AUG-2000 11:25
Operator : 045183 Inst ID: 71.i
Smp Info : sstd50(25 ug/ml) 194-182-8 8270/clp
Misc Info : sstd50,s080200.b,8270clp.m,1-82701.sub,2,2
Comment :
Method : \\QPITPA02\D\chem\71.i\s080200.b\8270clp.m
Meth Date : 02-Aug-2000 12:07 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

8/12/00

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
*****	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.467	(1.000)	84103	40.0000	
* 2 Naphthalene-d8	136	5.866	5.866	(1.000)	304747	40.0000	
* 3 Acenaphthene-d10	164	8.671	8.671	(1.000)	159533	40.0000	
* 4 Phenanthrene-d10	188	11.844	11.844	(1.000)	287019	40.0000	
* 5 Chrysene-d12	240	18.372	18.372	(1.000)	322089	40.0000	
* 6 Perylene-d12	264	21.690	21.690	(1.000)	373705	40.0000	
13 N-Nitrosodimethylamine	74	1.299	1.299	(0.291)	95020	50.0000	46.824
10 Pyridine	79	1.299	1.299	(0.291)	150489	50.0000	43.349 (M)
19 Methyl methanesulfonate	80	2.965	2.965	(0.664)	59882	50.0000	31.464
22 Aniline	93	4.189	4.189	(0.938)	193804	50.0000	40.162
23 Phenol	94	4.248	4.248	(0.951)	190003	50.0000	46.460
24 bis(2-Chloroethyl)ether	93	4.264	4.264	(0.955)	154770	50.0000	45.744
25 2-Chlorophenol	128	4.306	4.306	(0.964)	147189	50.0000	50.051
27 1,3-Dichlorobenzene	146	4.429	4.429	(0.992)	164140	50.0000	50.572
28 1,4-Dichlorobenzene	146	4.483	4.483	(1.004)	166715	50.0000	50.456
29 1,2-Dichlorobenzene	146	4.670	4.670	(1.045)	154445	50.0000	50.856
30 Benzyl Alcohol	108	4.664	4.664	(1.044)	97650	50.0000	45.450
31 2-Methylphenol	108	4.830	4.830	(1.081)	133696	50.0000	47.750
32 2,2'-oxybis(1-Chloropropane)	45	4.809	4.809	(1.077)	242419	50.0000	44.956
33 N-Nitroso-di-n-propylamine	70	4.958	4.958	(1.110)	122464	50.0000	45.162
35 4-Methylphenol	108	4.979	4.979	(1.115)	140314	50.0000	47.596
38 Hexachloroethane	117	4.979	4.979	(1.115)	72014	50.0000	51.011
39 Nitrobenzene	77	5.097	5.097	(0.869)	193766	50.0000	48.596
44 Isophorone	82	5.348	5.348	(0.912)	287307	50.0000	47.472
45 2-Nitrophenol	139	5.450	5.450	(0.929)	76147	50.0000	50.239
46 2,4-Dimethylphenol	107	5.540	5.540	(0.944)	149435	50.0000	50.120

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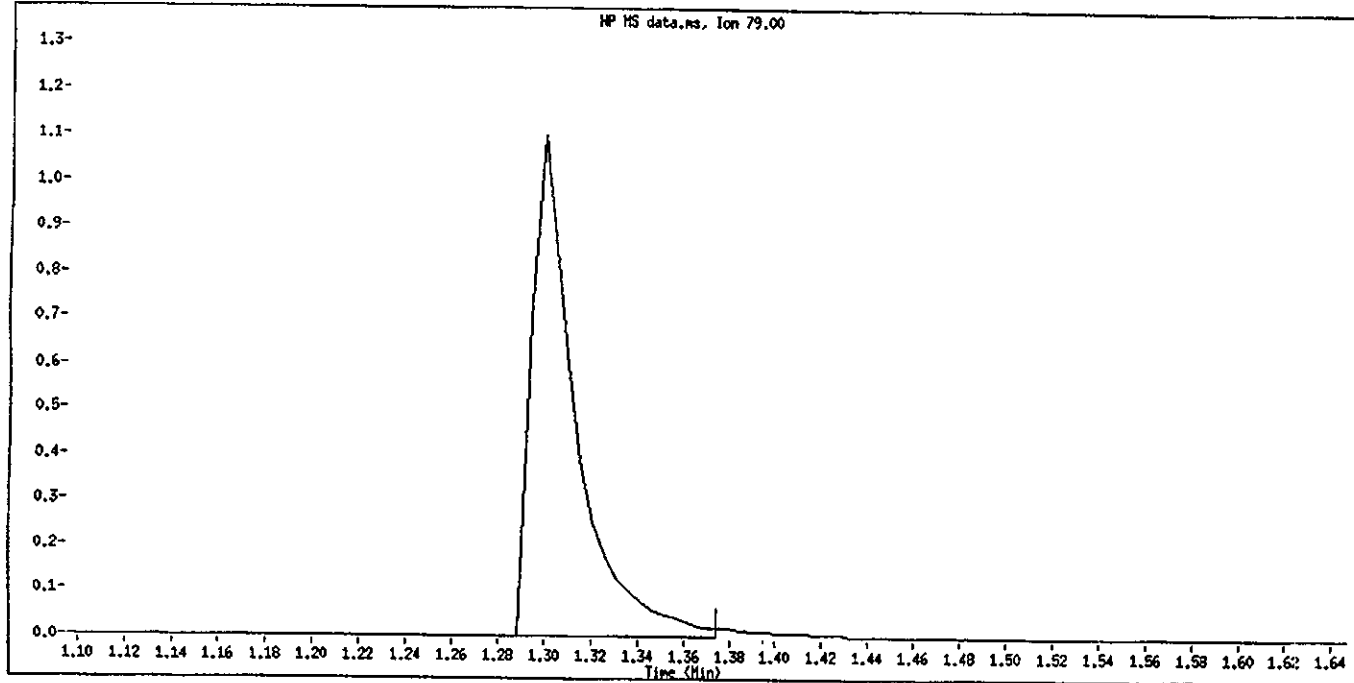
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
47 bis(2-Chloroethoxy)methane	93	5.626	5.626 (0.959)		166648	50.0000	46.109
51 2,4-Dichlorophenol	162	5.749	5.749 (0.980)		108580	50.0000	51.394
52 Benzoic Acid	122	5.717	5.717 (0.975)		57444	50.0000	54.368
53 1,2,4-Trichlorobenzene	180	5.818	5.818 (0.992)		118133	50.0000	52.756
54 Naphthalene	128	5.893	5.893 (1.005)		420467	50.0000	50.532
55 4-Chloroaniline	127	6.011	6.011 (1.025)		156732	50.0000	49.807
59 Hexachlorobutadiene	225	6.128	6.128 (1.045)		70121	50.0000	56.478
62 4-Chloro-3-Methylphenol	107	6.732	6.732 (1.148)		123263	50.0000	48.945
65 2-Methylnaphthalene	142	6.839	6.839 (1.166)		267640	50.0000	50.777
66 1-Methylnaphthalene	142	7.004	7.004 (1.194)		238294	50.0000	49.026
67 Hexachlorocyclopentadiene	237	7.196	7.196 (0.830)		63450	50.0000	51.900
69 2,4,6-Trichlorophenol	196	7.362	7.362 (0.849)		70228	50.0000	51.500
70 2,4,5-Trichlorophenol	196	7.448	7.448 (0.859)		74096	50.0000	51.481
73 2-Chloronaphthalene	162	7.618	7.618 (0.879)		234078	50.0000	50.504
77 2-Nitroaniline	65	7.896	7.896 (0.911)		99795	50.0000	49.252
80 Dimethylphthalate	163	8.313	8.313 (0.959)		266989	50.0000	51.719
82 2,6-Dinitrotoluene	165	8.425	8.425 (0.972)		59366	50.0000	51.437
83 Acenaphthylene	152	8.372	8.372 (0.965)		372275	50.0000	49.747
85 3-Nitroaniline	138	8.687	8.687 (1.002)		71900	50.0000	52.860
86 Acenaphthene	153	8.735	8.735 (1.007)		234875	50.0000	50.196
87 2,4-Dinitrophenol	184	8.890	8.890 (1.025)		31970	50.0000	48.654
89 4-Nitrophenol	109	9.173	9.173 (1.058)		49121	50.0000	53.704
90 Dibenzofuran	168	9.056	9.056 (1.044)		325389	50.0000	51.069
91 2,4-Dinitrotoluene	165	9.200	9.200 (1.061)		80778	50.0000	52.885
95 2,3,5,6-Tetrachlorophenol	232	9.355	9.355 (1.079)		52663	50.0000	53.676
92 2,3,4,6-Tetrachlorophenol	232	9.445	9.445 (1.089)		54391	50.0000	54.978
96 2-Naphthylamine	143	9.397	9.397 (1.084)		159982	50.0000	50.255
97 Diethylphthalate	149	9.777	9.777 (1.128)		282276	50.0000	53.285
98 Fluorene	166	9.766	9.766 (1.126)		265785	50.0000	52.629
99 4-Chlorophenyl-phenylether	204	9.825	9.825 (1.133)		121417	50.0000	53.224
100 4-Nitroaniline	138	9.969	9.969 (1.150)		71170	50.0000	53.352
102 4,6-Dinitro-2-methylphenol	198	10.060	10.060 (0.849)		47777	50.0000	45.282
103 N-Nitrosodiphenylamine (1)	169	10.113	10.113 (0.854)		183375	50.0000	45.610
104 1,2-Diphenylhydrazine	77	10.161	10.161 (0.858)		377992	50.0000	44.194
112 4-Bromophenyl-phenylether	248	10.888	10.888 (0.919)		69076	50.0000	51.061
113 Hexachlorobenzene	284	11.166	11.166 (0.943)		72994	50.0000	52.267
117 Pentachlorophenol	266	11.630	11.630 (0.982)		34933	50.0000	47.802 (M)
122 Phenanthrene	178	11.898	11.898 (1.004)		377975	50.0000	50.434
123 Anthracene	178	11.999	11.999 (1.013)		390831	50.0000	50.525
126 Carbazole	167	12.469	12.469 (1.053)		369948	50.0000	51.127
130 Di-n-Butylphthalate	149	13.623	13.623 (1.150)		489259	50.0000	51.925
135 Fluoranthene	202	14.772	14.772 (1.247)		420297	50.0000	54.903
136 Benzidine	184	15.236	15.236 (0.829)		161225	50.0000	35.184
137 Pyrene	202	15.300	15.300 (0.833)		431714	50.0000	50.135
144 Butylbenzylphthalate	149	17.298	17.298 (0.942)		250840	50.0000	47.609
149 3,3'-Dichlorobenzidine	252	18.420	18.420 (1.003)		179721	50.0000	47.937
150 Benzo (a) Anthracene	228	18.329	18.329 (0.998)		450224	50.0000	50.103

666 307

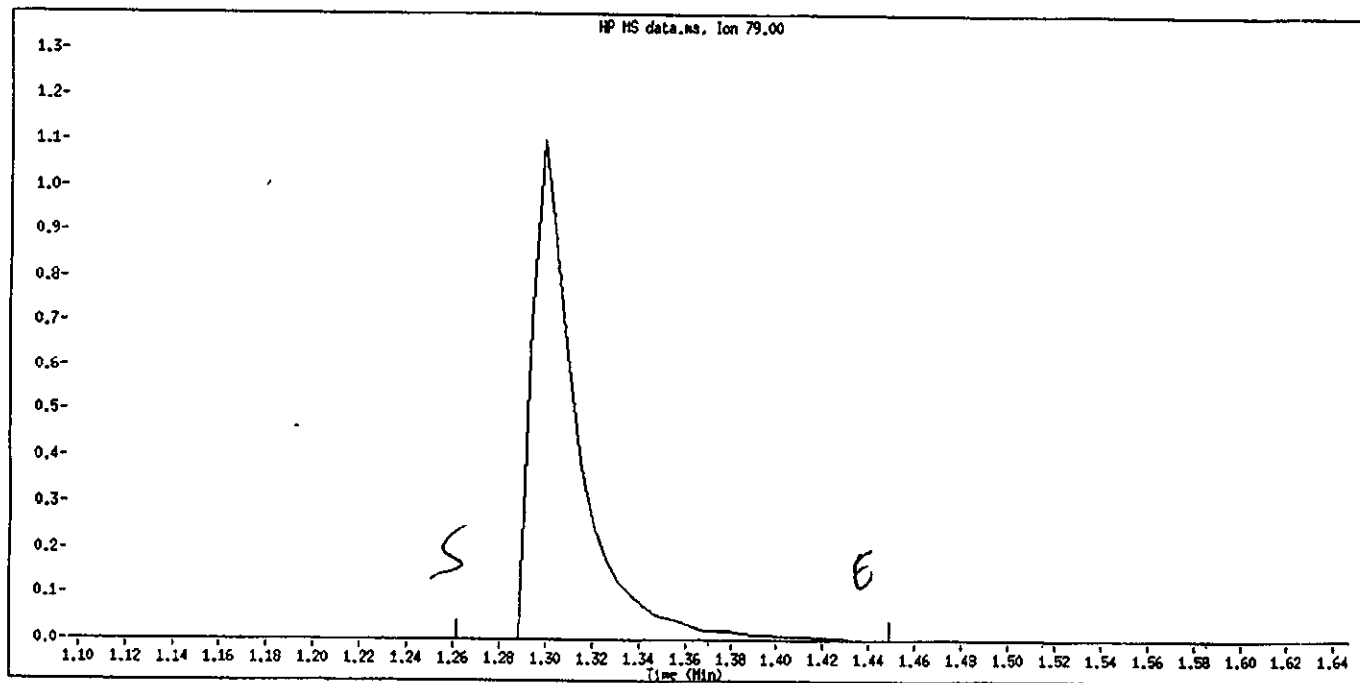
Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
*****	----	--	-----	-----	-----	-----	-----
151 Chrysene	228	18.436	18.436	(1.003)	418834	50.0000	49.640
153 bis(2-ethylhexyl)Phthalate	149	18.885	18.885	(1.028)	366733	50.0000	46.310
155 Di-n-octylphthalate	149	20.349	20.349	(0.938)	693830	50.0000	48.626
157 Benzo(b)fluoranthene	252	20.894	20.894	(0.963)	522708	50.0000	48.191
158 Benzo(k)fluoranthene	252	20.947	20.947	(0.966)	572438	50.0000	59.188
159 7,12-dimethylbenz(a)anthracen	256	20.952	20.952	(0.966)	230216	50.0000	51.315
167 Benzo(a)pyrene	252	21.567	21.567	(0.994)	513311	50.0000	51.689
169 Indeno(1,2,3-cd)pyrene	276	23.800	23.800	(1.097)	619395	50.0000	48.583
170 Dibenz(a,h)anthracene	278	23.848	23.848	(1.100)	611189	50.0000	48.164
171 Benzo(g,h,i)perylene	276	24.281	24.281	(1.119)	603475	50.0000	47.365
\$ 172 Nitrobenzene-d5	82	5.076	5.076	(0.865)	177827	50.0000	48.532
\$ 173 2-Fluorobiphenyl	172	7.474	7.474	(0.862)	256534	50.0000	49.388
\$ 174 Terphenyl-di4	244	15.867	15.867	(0.864)	332372	50.0000	51.241
\$ 175 Phenol-d5	99	4.237	4.237	(0.949)	171841	50.0000	45.575
\$ 176 2-Fluorophenol	112	3.174	3.174	(0.711)	132367	50.0000	46.766
\$ 177 2,4,6-Tribromophenol	330	10.348	10.348	(0.874)	35650	50.0000	49.437
\$ 178 2-Chlorophenol-d4	132	4.290	4.290	(0.961)	126303	50.0000	47.768
\$ 179 1,2-Dichlorobenzene-d4	152	4.659	4.659	(1.043)	94127	50.0000	51.421

QC Flag Legend

M - Compound response manually integrated.



Original Integration



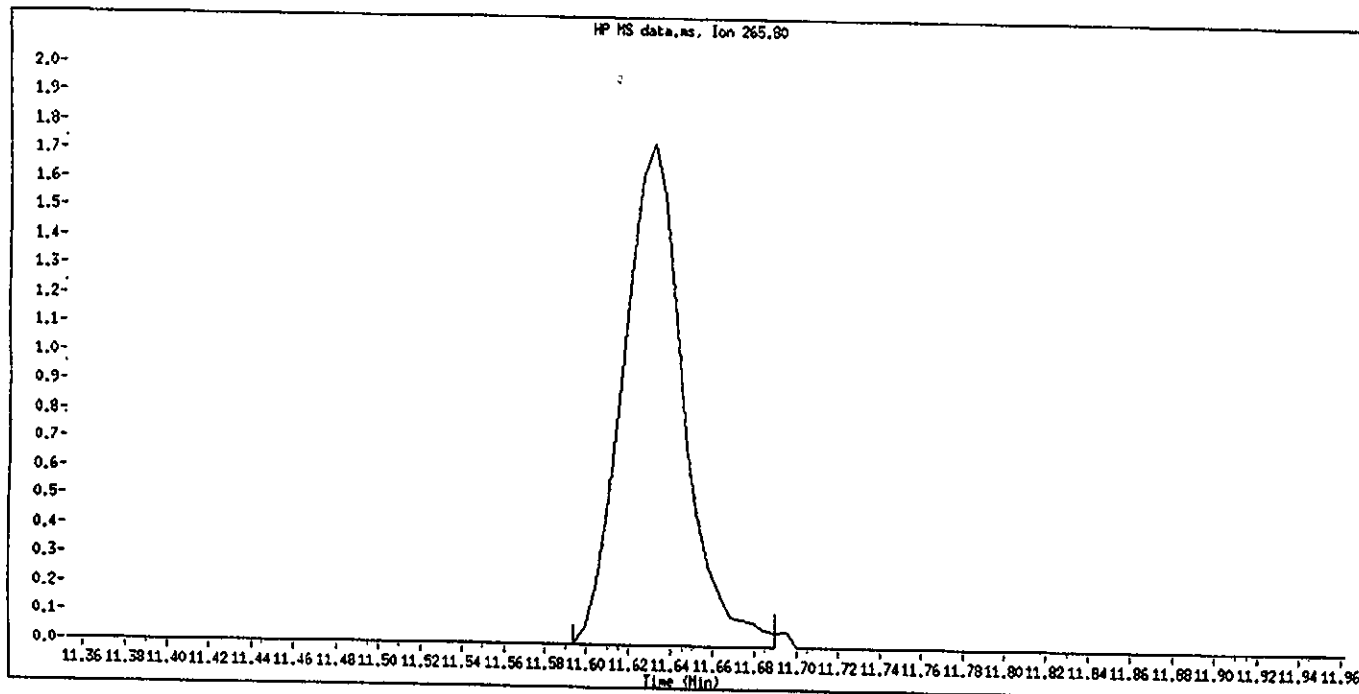
Manual Integration

Manually Integrated By Bachas

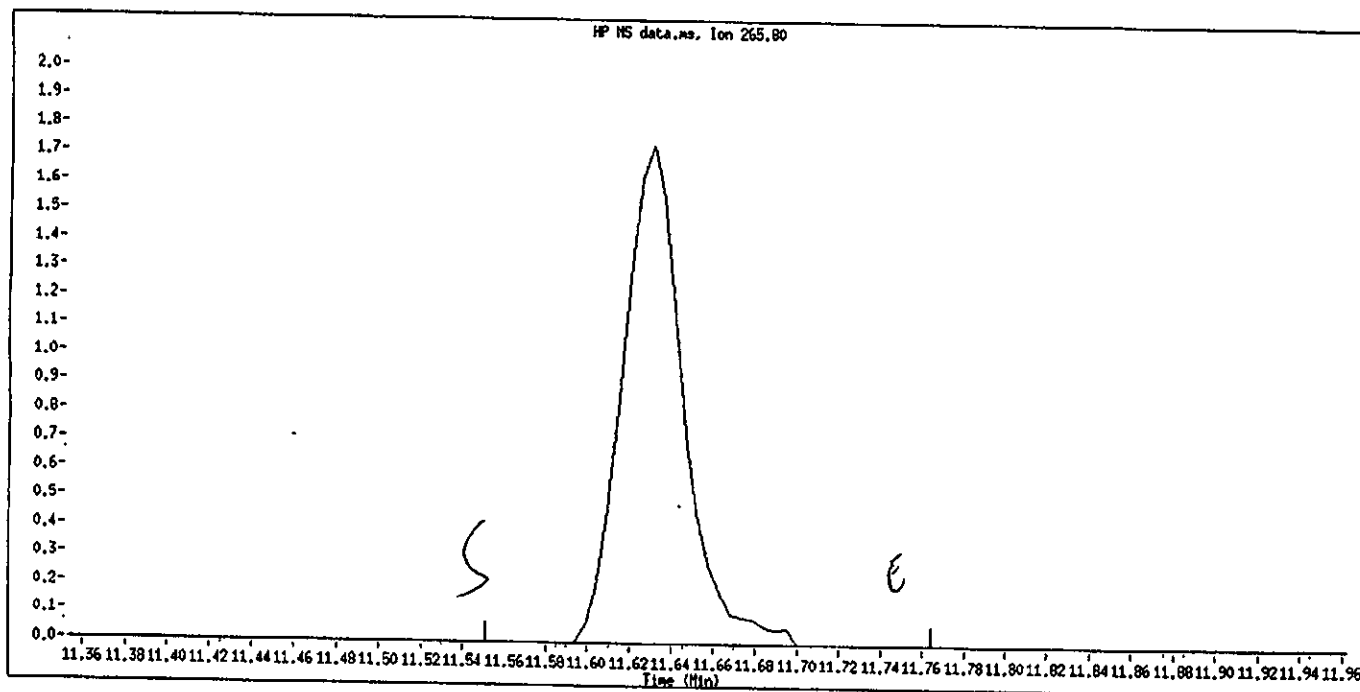
Manual Integration Reason Poor Chromatography

Data File Name S0802CCC D
Inj Date and Time 02-AUG-2000 11 25
Instrument ID 71.1
Client ID. sstd50
Compound Name Pentachlorophenol
CAS # 87-86-5
Report Date: 08/02/2000

666 309



Original Integration



Manual Integration

Manually Integrated By BachaS
Manual Integration Reason. Poor Chromatography

666 3/0

GC/MS SEMIVOLATILE
QC DATA

Date : 03-AUG-2000 14:58

666 311

Page 3

Client ID: DFTPP02

Instrument: 71.1

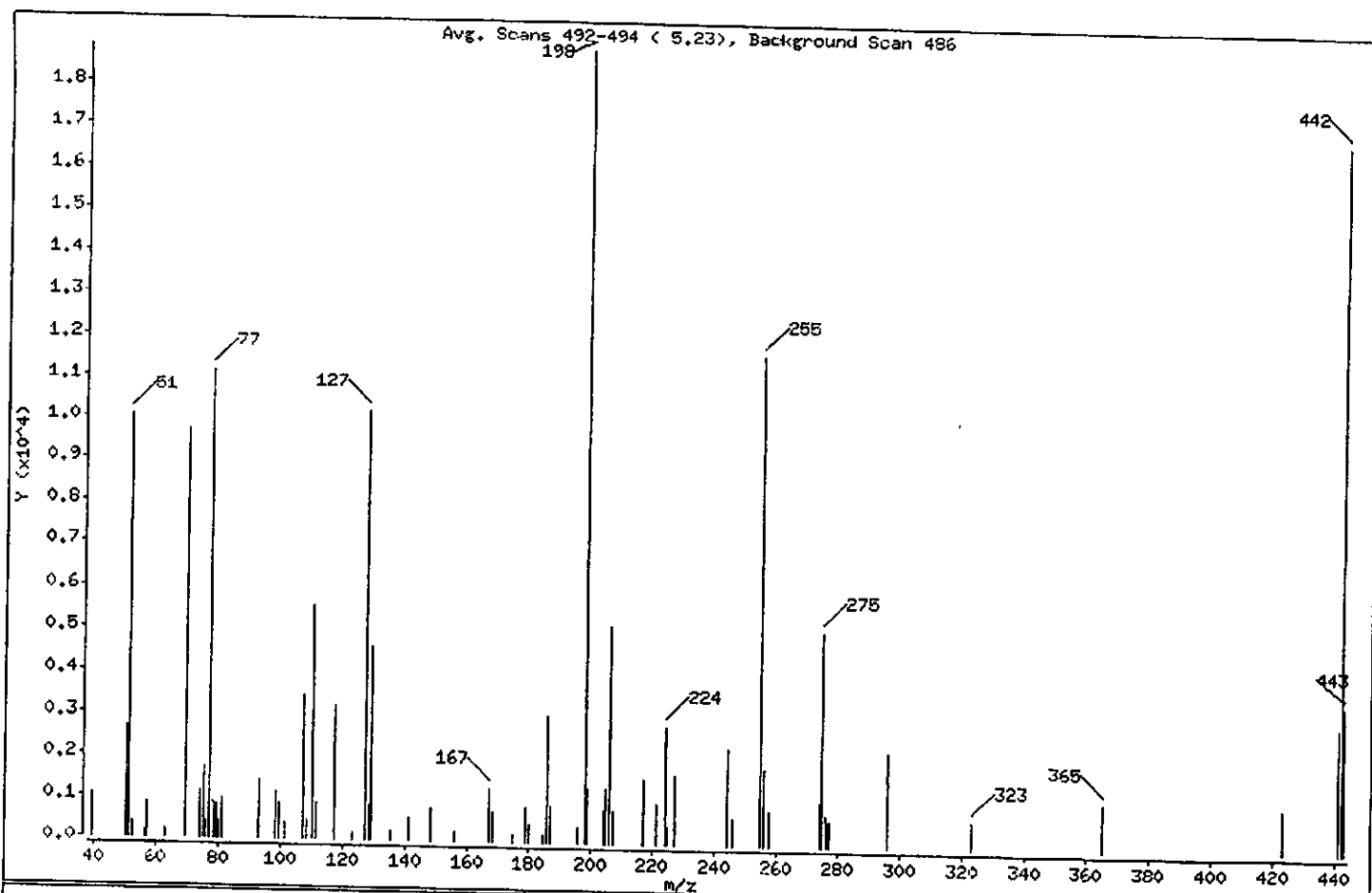
Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	53.34
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	51.48
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.03
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.88
275	10.00 - 30.00% of mass 198	26.87
365	Greater than 1.00% of mass 198	5.93
441	Present, but less than mass 443	15.77
442	Greater than 40.00% of mass 198	89.64
443	17.00 - 23.00% of mass 442	18.68 (20.84)

Date : 03-AUG-2000 14:58

Client ID: DFTPP02

Instrument: 71.1

Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:

Column diameter: 2.00

Data File: S0803DFT.D

Spectrum: Avg. Scans 492-494 (5,23), Background Scan 486

Location of Maximum: 198.00

Number of points: 69

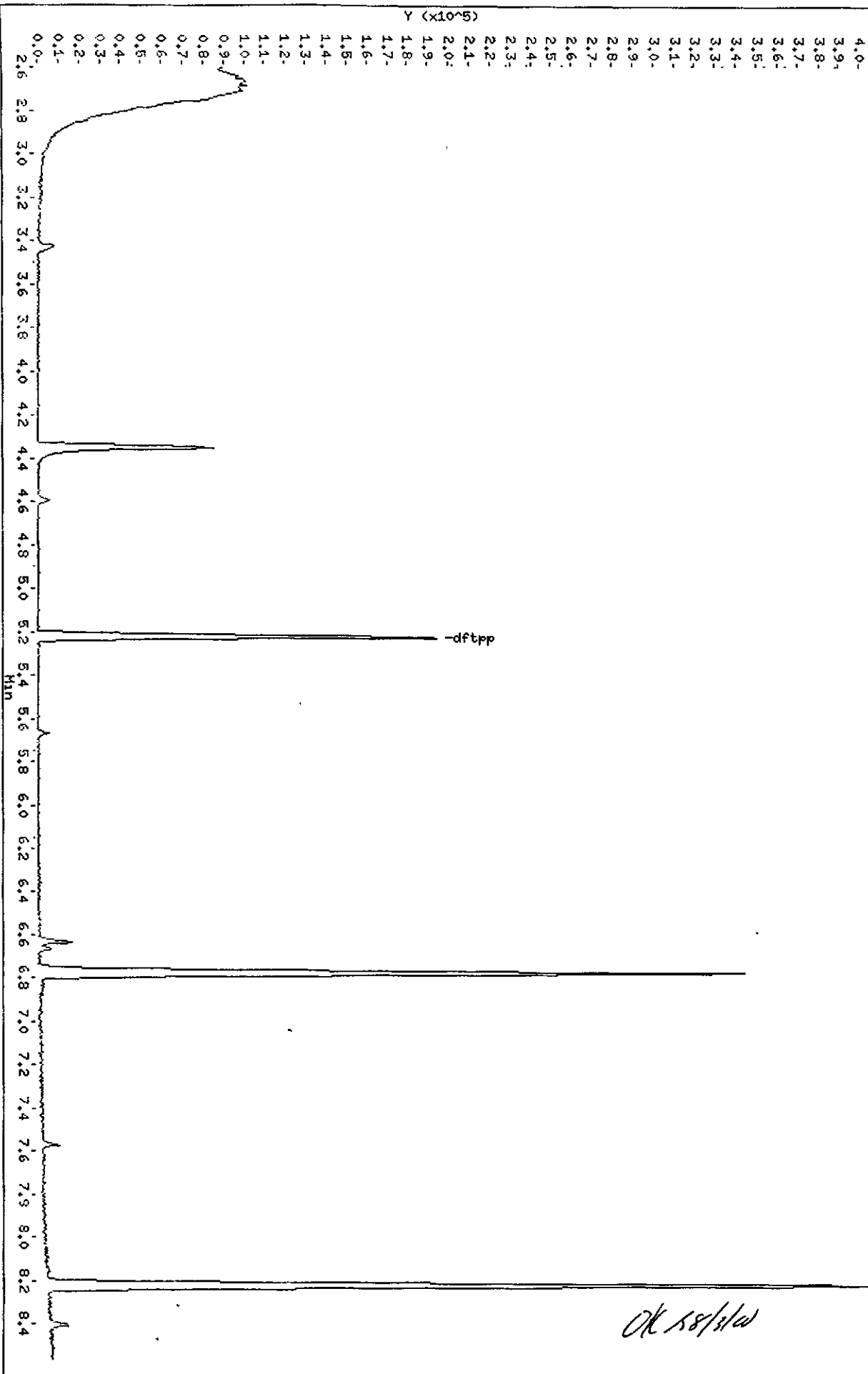
m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1023	99.00	885	179.00	828	246.00	642
50.00	2686	101.00	394	180.00	430	255.00	11635
51.00	10053	107.00	3429	185.00	167	256.00	1837
52.00	410	108.00	456	186.00	3053	258.00	844
56.00	167	110.00	5560	187.00	871	274.00	1028
57.00	869	111.00	878	196.00	386	275.00	5065
63.00	201	117.00	3223	198.00	18848	276.00	716
69.00	9703	123.00	174	199.00	1297	277.00	604
74.00	1130	127.00	10183	204.00	779	296.00	2267
75.00	1672	128.00	841	205.00	1283	323.00	666
76.00	437	129.00	4614	206.00	5158	365.00	1117
77.00	11152	135.00	196	207.00	775	423.00	1044
78.00	880	141.00	554	217.00	1525	441.00	2972
79.00	809	148.00	791	221.00	933	442.00	16896
80.00	427	156.00	205	224.00	2836	443.00	3521
81.00	960	167.00	1246	225.00	440		
93.00	1389	168.00	693	227.00	1651		
98.00	1115	175.00	177	244.00	2311		

Data File: \\QPIITPA02\chem\71.1\5080300.b\50803DFT.D
 Date: 03-AUG-2000 14:58
 Client ID: DFTPP02
 Sample Info: DFTPP050 (25ppb) 194-158-6

Column phase:

\\QPIITPA02\chem\71.1\5080300.b\50803DFT.D

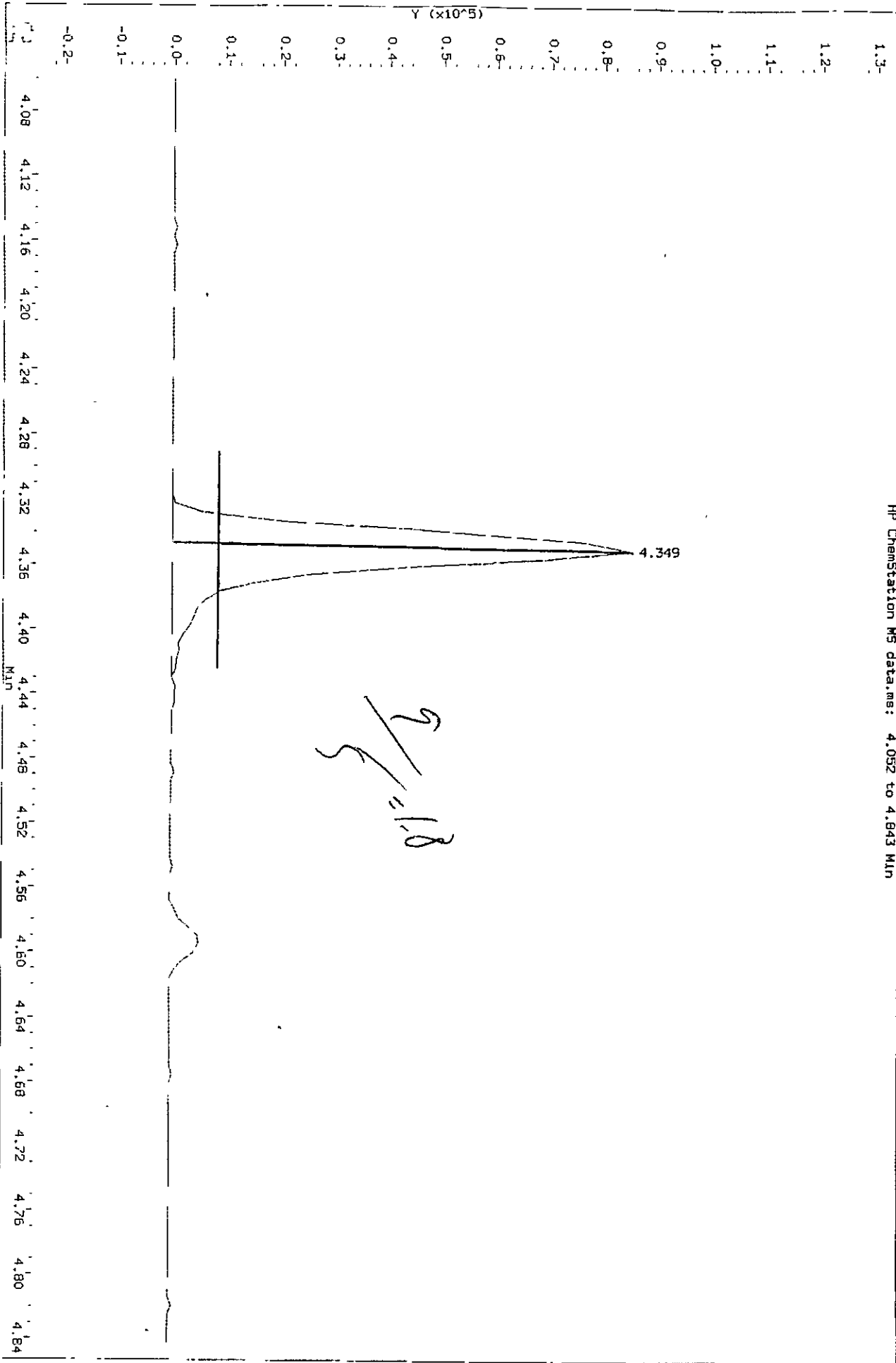
Instrument: 71.1
 Operator: 045183
 Column diameter: 2.00



OK 18/1/00

Data File: \\QPIPPA02\\Data\\chem\\71.1\\S080300.1\\S080300FT.D
 Injection Date: 03-AUG-2000 14:56
 Instrument: 71.1
 Client Sample ID: DTFPP02

HP ChemStation MS data.ms: 4.052 to 4.843 Min



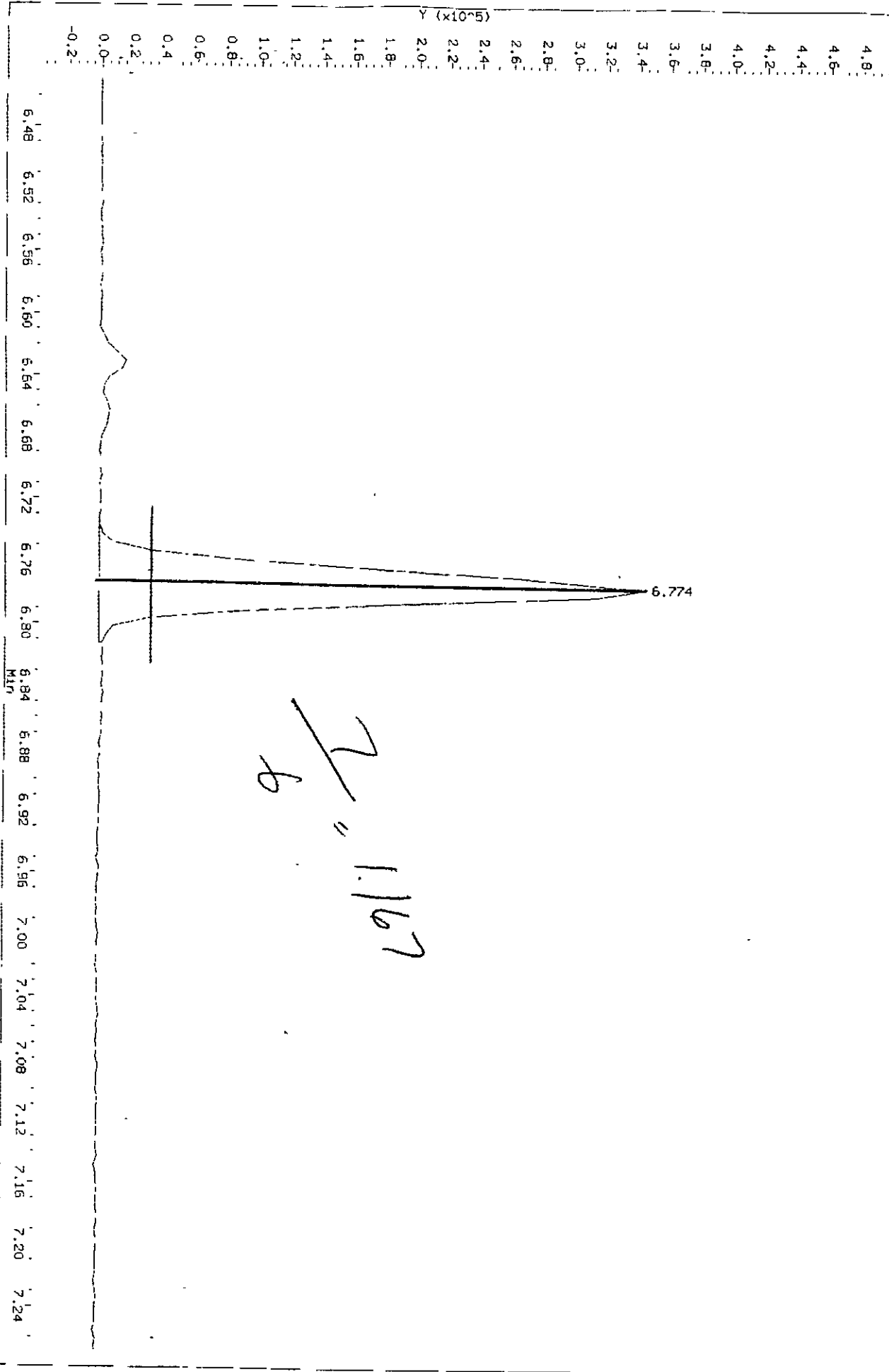
666 314 999

4.349 MIN

51C 999

Data File: \QIPITPA02\chem\71.1\ne080300.b\ne080300FT.D
Injection Date: 03-AUG-2000 14:58
Instrument: 71.1
Client Sample ID: DFTPA02

HP ChemStation MS data.ms: 6.442 to 7.268 Min



Date : 20-JUL-2000 13:37

Client ID: DFTPP02

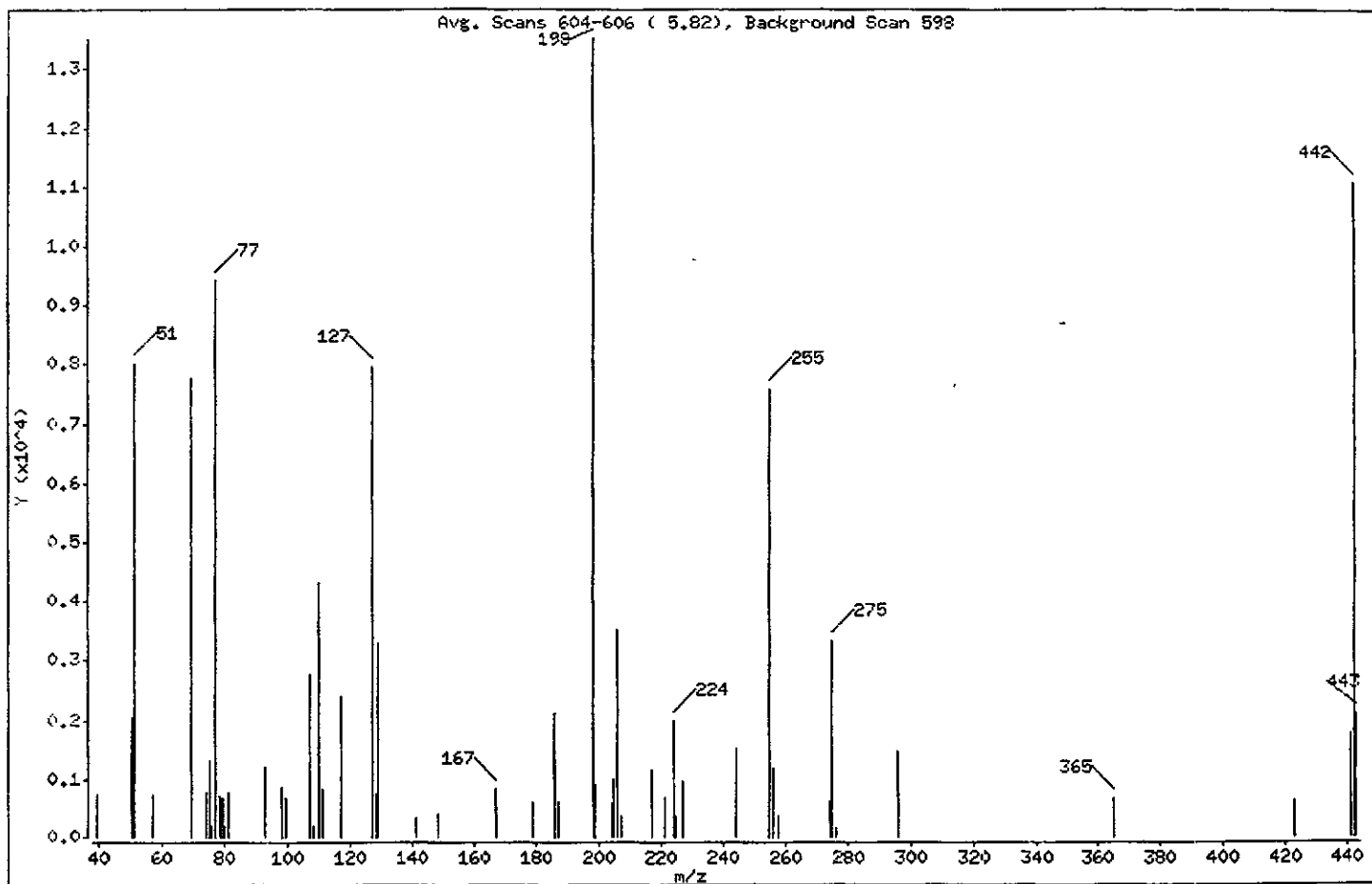
Instrument: 71.1

Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:
1 dftpp

Column diameter: 2.00



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	59.31
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	57.57
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	58.78
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	24.59
365	Greater than 1.00% of mass 198	5.10
441	Present, but less than mass 443	13.15
442	Greater than 40.00% of mass 198	82.17
443	17.00 - 23.00% of mass 442	15.71 (19.11)

Data File: \\QPITPA02\chem\71.1\5072000.b\S0720DF2.D

Date : 20-JUL-2000 13:37

Client ID: DFTPP02

Sample Info: DFTPP050 (25pph) 194-158-6

Instrument: 71.1

Operator: 045183

Column phase:

Column diameter: 2.00

666 317

Page 4

Data File: S0720DF2.D

Spectrum: Avg. Scans 604-606 (5.82), Background Scan 598

Location of Maximum: 198.00

Number of points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	738	98.00	874	186.00	2112	255.00	7580
50.00	2053	99.00	680	187.00	626	256.00	1170
51.00	8013	107.00	2750	198.00	13511	258.00	380
57.00	736	108.00	172	199.00	904	274.00	632
69.00	7778	110.00	4317	204.00	577	275.00	3323
74.00	771	111.00	841	205.00	981	276.00	169
75.00	1298	117.00	2393	206.00	3519	296.00	1460
76.00	175	127.00	7942	207.00	384	365.00	689
77.00	9401	128.00	744	217.00	1149	423.00	659
78.00	703	129.00	3306	221.00	675	441.00	1777
79.00	676	141.00	341	224.00	1985	442.00	11102
80.00	177	148.00	395	225.00	360	443.00	2122
81.00	790	167.00	848	227.00	978		
93.00	1204	179.00	623	244.00	1520		

Data File: \\QPI1P402\N\chem\71.1\5072000.b\50720DF2.D
Date: 20-JUL-2000 13:37

Client ID: DFTPP02

Sample Info: DFTPP050 (25ppb) 194-158-6

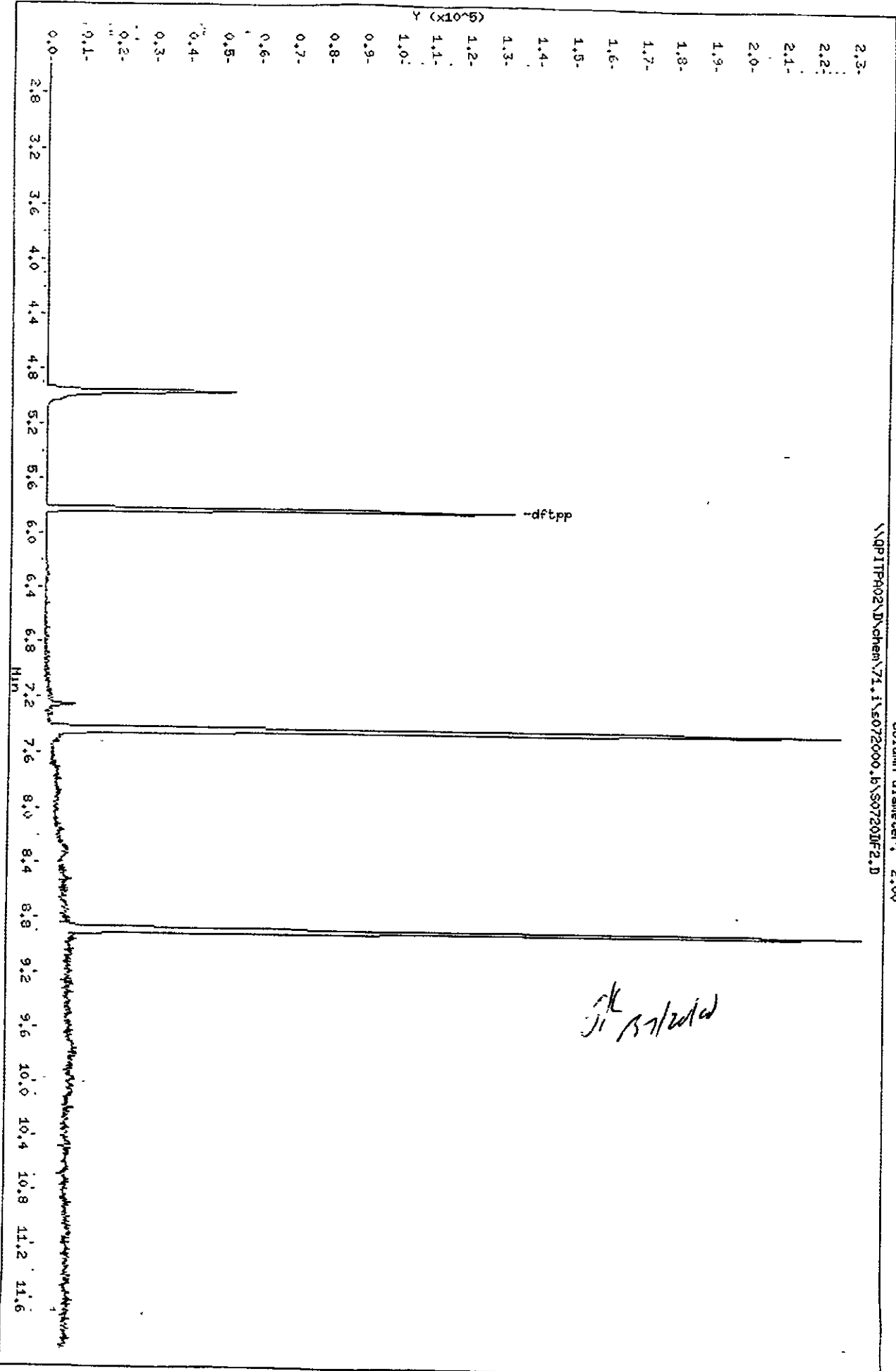
Instrument: 71.1

Column phase:

Operator: 045183

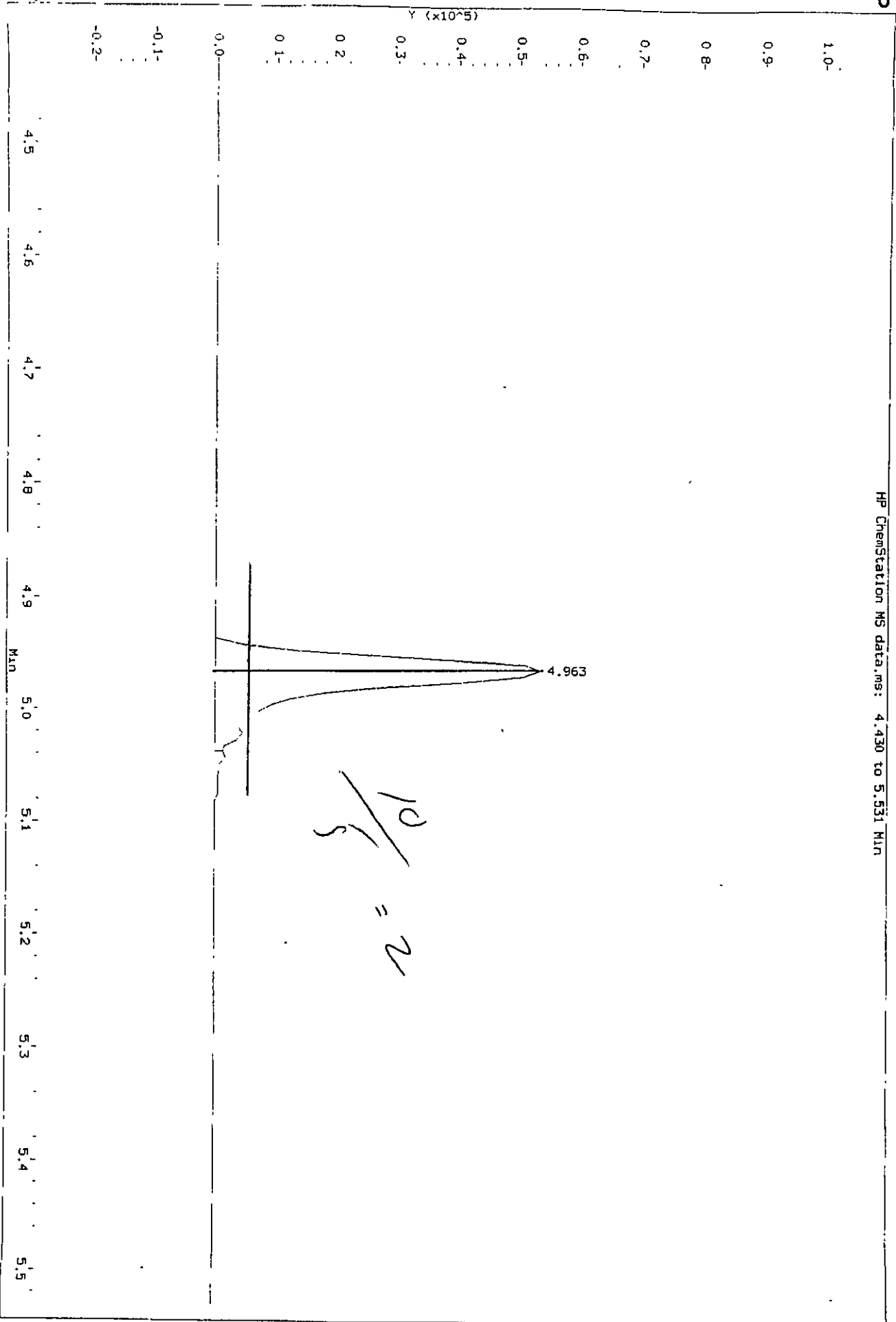
Column diameter: 2.00

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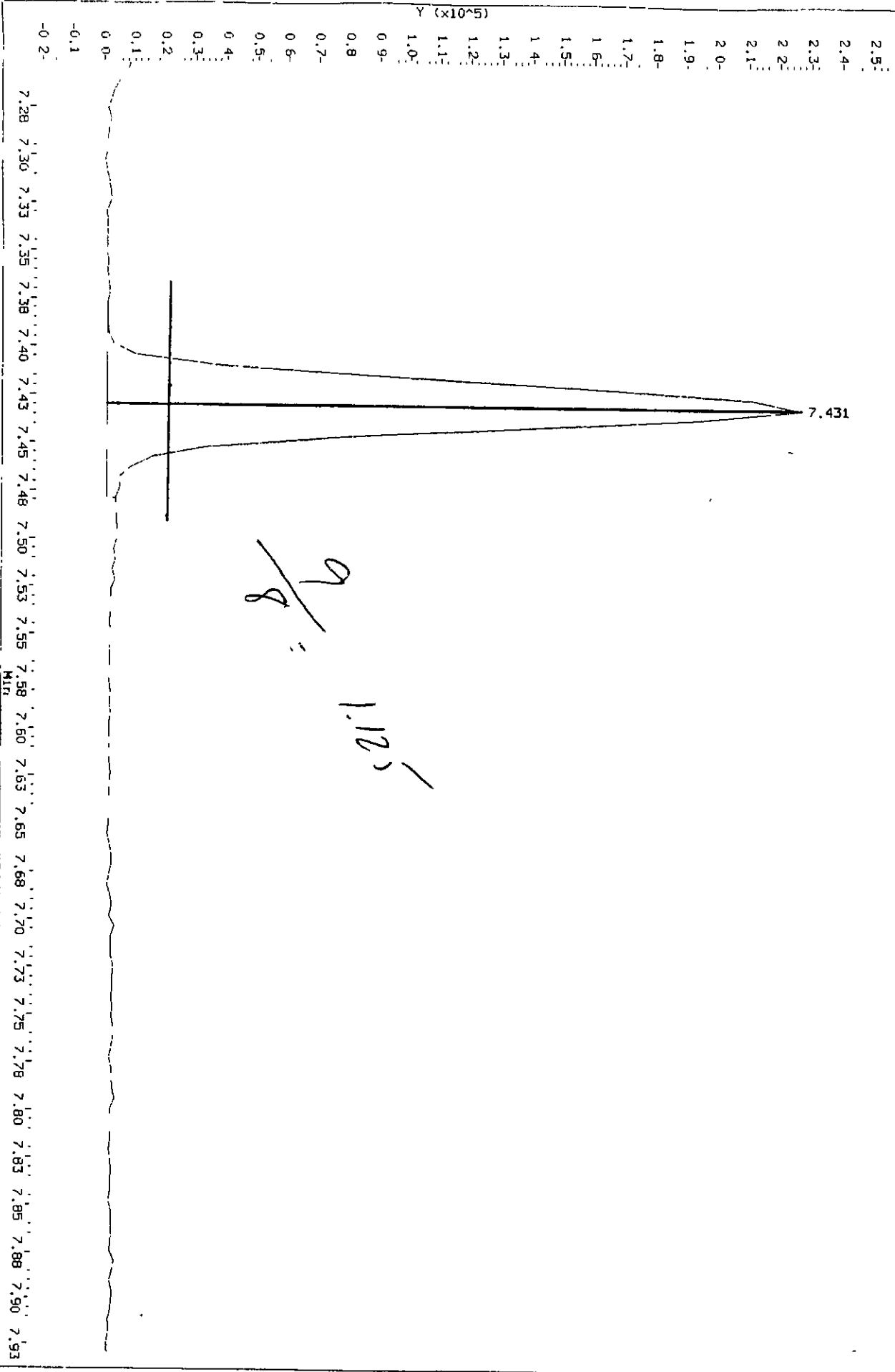
Data File: \\qlt\pa02\chem\71.1\5072000.b\5072000f2.D
 Injection Date: 20-JUL-2000 13:37
 Instrument: 71.1
 Client Sample ID: DFTPP02

HP ChemStation MS data.ms: 4.430 to 5.531 Min



Data File: \\0pitpa02\0chem\71.1\5072000 b\5072000\F2.D
 Injection Date: 20-JUL-2000 13:37
 Instrument: 71.1
 Client Sample ID: DFTPP02

HP ChemStation MS data.ms: 7.252 to 7.929 Min



Date : 01-AUG-2000 11:49

Client ID: DFTPP02

Instrument: 71.1

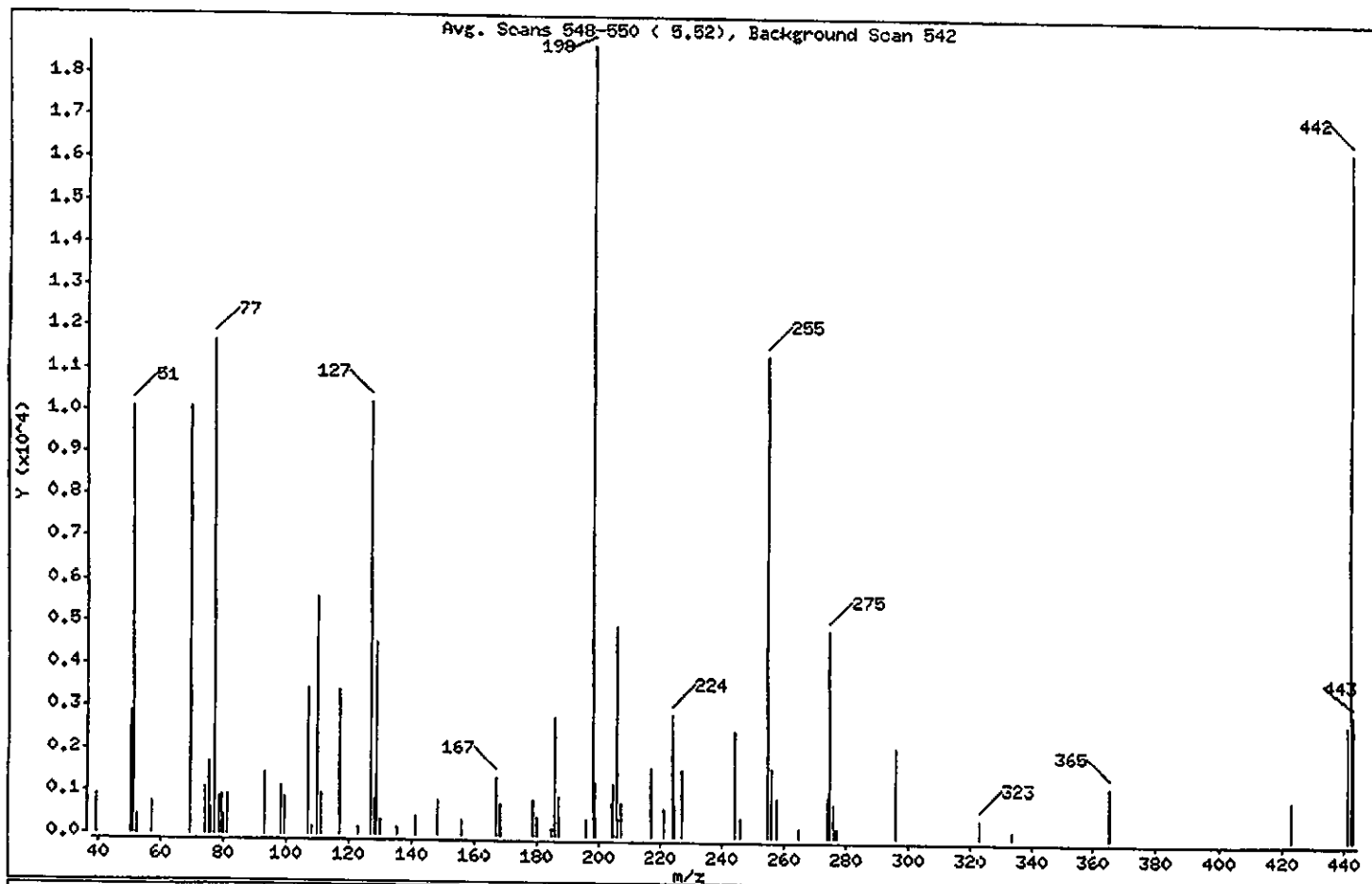
Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	53.84
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	53.78
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.37
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	26.05
365	Greater than 1.00% of mass 198	6.33
441	Present, but less than mass 443	14.41
442	Greater than 40.00% of mass 198	87.10
443	17.00 - 23.00% of mass 442	15.78 (18.12)

Date : 01-AUG-2000 11:49

Client ID: DFTPP02

Instrument: 71.1

Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:

Column diameter: 2.00

Data File: S0801DF2.D

Spectrum: Avg. Scans 548-550 (5.52), Background Scan 542

Location of Maximum: 198.00

Number of points: 68

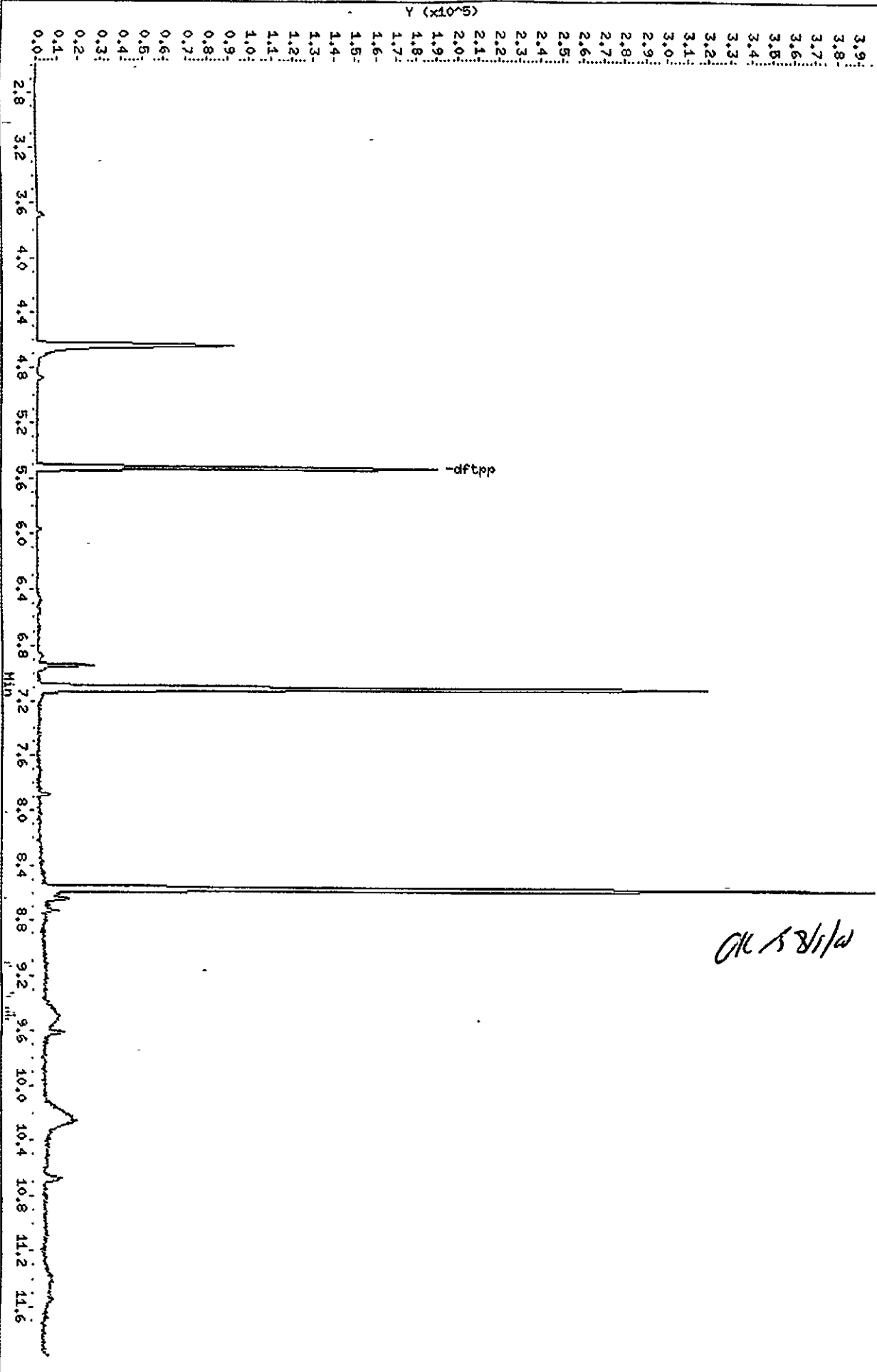
m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	900	108.00	179	186.00	2783	258.00	890
50.00	2865	110.00	5584	187.00	883	265.00	207
51.00	10085	111.00	928	196.00	395	274.00	966
52.00	413	117.00	3405	198.00	18728	275.00	4880
57.00	748	123.00	171	199.00	1257	276.00	762
69.00	10074	127.00	10186	204.00	759	277.00	204
74.00	1065	128.00	800	205.00	1227	296.00	2122
75.00	1682	129.00	4540	206.00	4955	323.00	445
76.00	613	130.00	347	207.00	773	334.00	168
77.00	11651	135.00	171	217.00	1600	365.00	1185
78.00	840	141.00	434	221.00	659	423.00	906
79.00	909	148.00	836	224.00	2879	441.00	2699
80.00	429	156.00	349	225.00	739	442.00	16316
81.00	900	167.00	1338	227.00	1537	443.00	2956
93.00	1407	168.00	741	244.00	2506		
98.00	1131	179.00	798	246.00	427		
99.00	865	180.00	438	255.00	11349		
107.00	3439	185.00	174	256.00	1572		

Data File: \\NPITPA02\chem\71.1\5080100.b\50801DF2.D
 Date: 01-AUG-2000 11:49
 Client ID: DFTPP02
 Sample Info: DFTPP050 (25ppb) 194-158-6

Column phase:

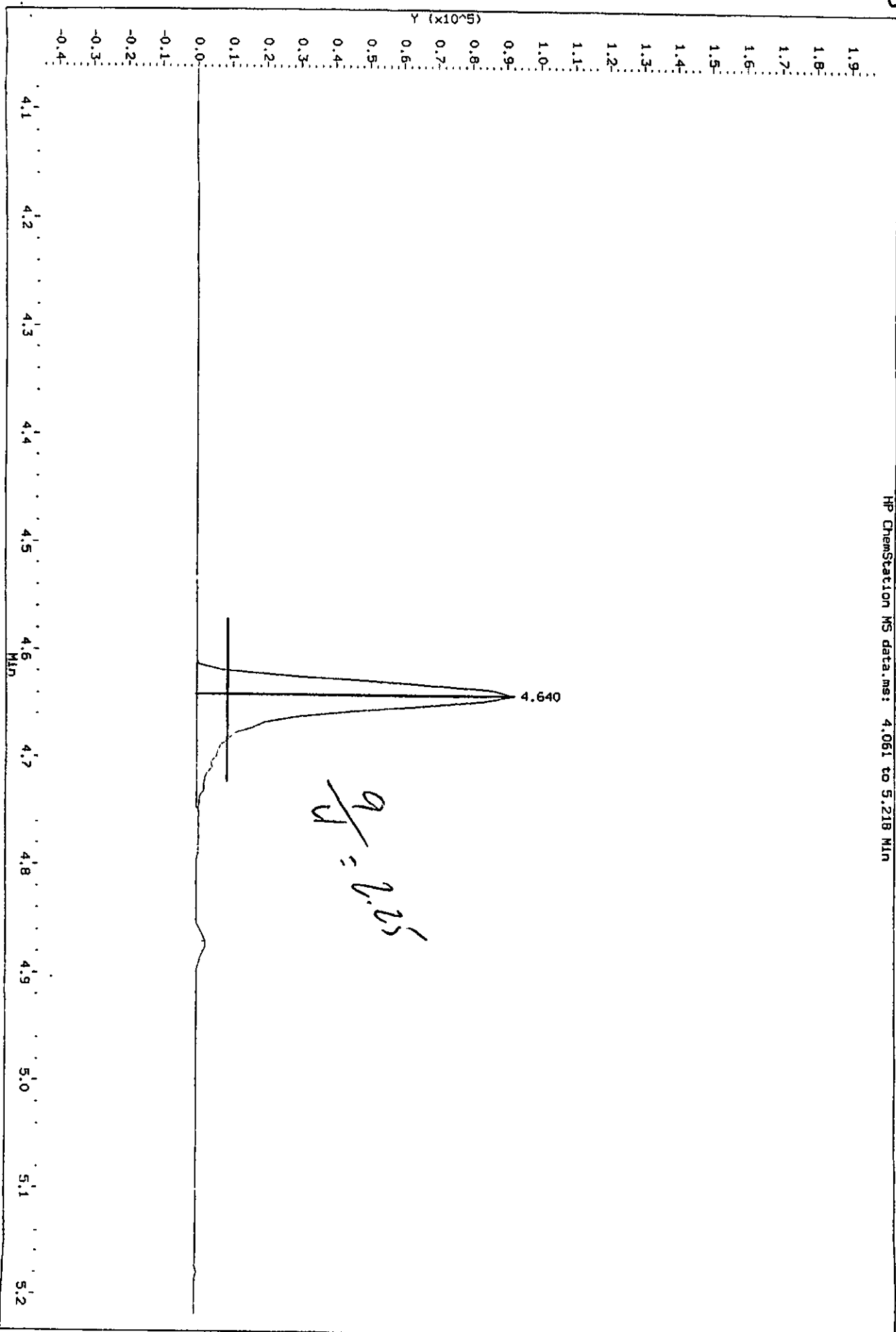
Instrument: 71.1
 Operator: 045183
 Column diameter: 2.00

\\NPITPA02\chem\71.1\5080100.b\50801DF2.D



Data File: \\QPIPPA02\N\chem\71.1\5080100.b\508010F2.D
Injection Date: 01-AUG-2000 11:49
Instrument: 71.1
Client Sample ID: DFTPP02

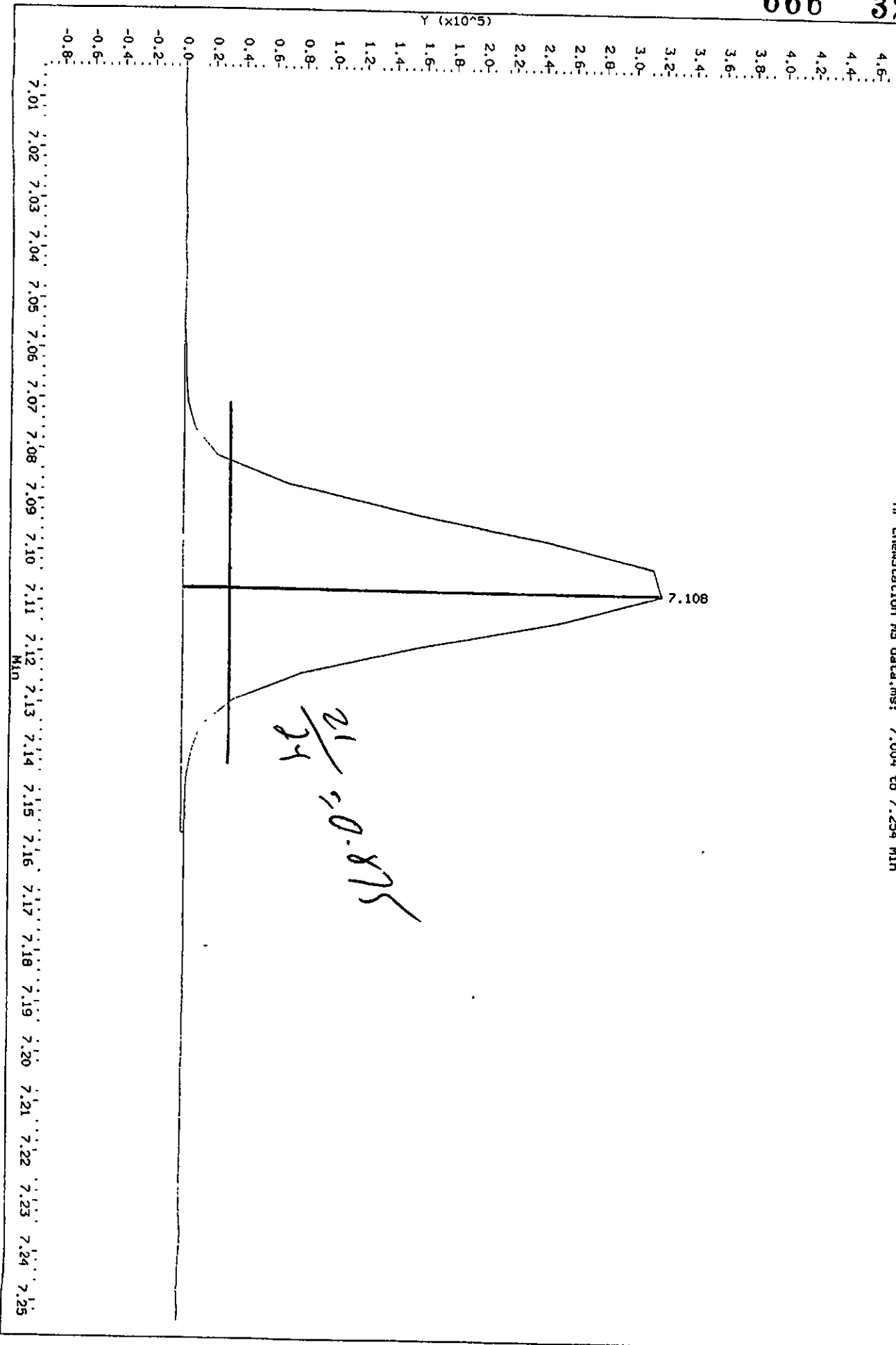
HP ChemStation MS data.ms: 4.061 to 5.218 Min



666 325

Data File: \\QPIF002\DYchem\71.1\5080100.b\50801DF2.D
 Injection Date: 01-AUG-2000 11:49
 Instrument: 71.1
 Client Sample ID: DFPP02

HP ChemStation MS data.ms: 7.004 to 7.254 Min



Date : 02-AUG-2000 11:08

Client ID: DFTPP02

Instrument: 71.i

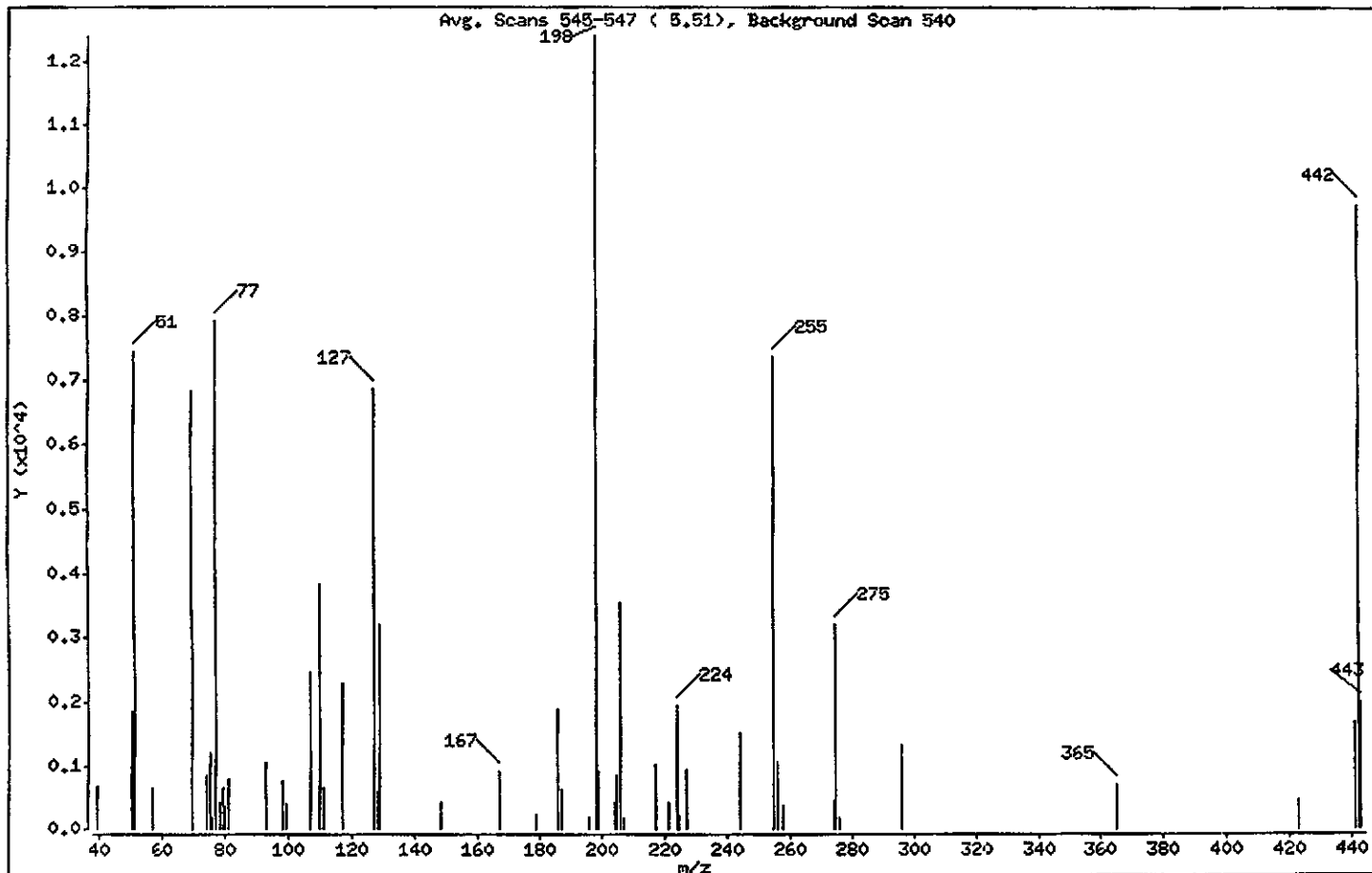
Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045183

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	59.91
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	55.06
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	55.40
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.41
275	10.00 - 30.00% of mass 198	28.70
365	Greater than 1.00% of mass 198	8.78
441	Present, but less than mass 443	13.60
442	Greater than 40.00% of mass 198	78.71
443	17.00 - 23.00% of mass 442	16.11 (20.47)

Date : 02-AUG-2000 11:08

Client ID: DFTPP02

Instrument: 71.i

Sample Info: DFTPP050 (25ppb) 194-158-6

Operator: 045193

Column phase:

Column diameter: 2.00

Data File: S0802DF2.D

Spectrum: Avg. Scans 545-547 (5.51), Background Scan 540

Location of Maximum: 198.00

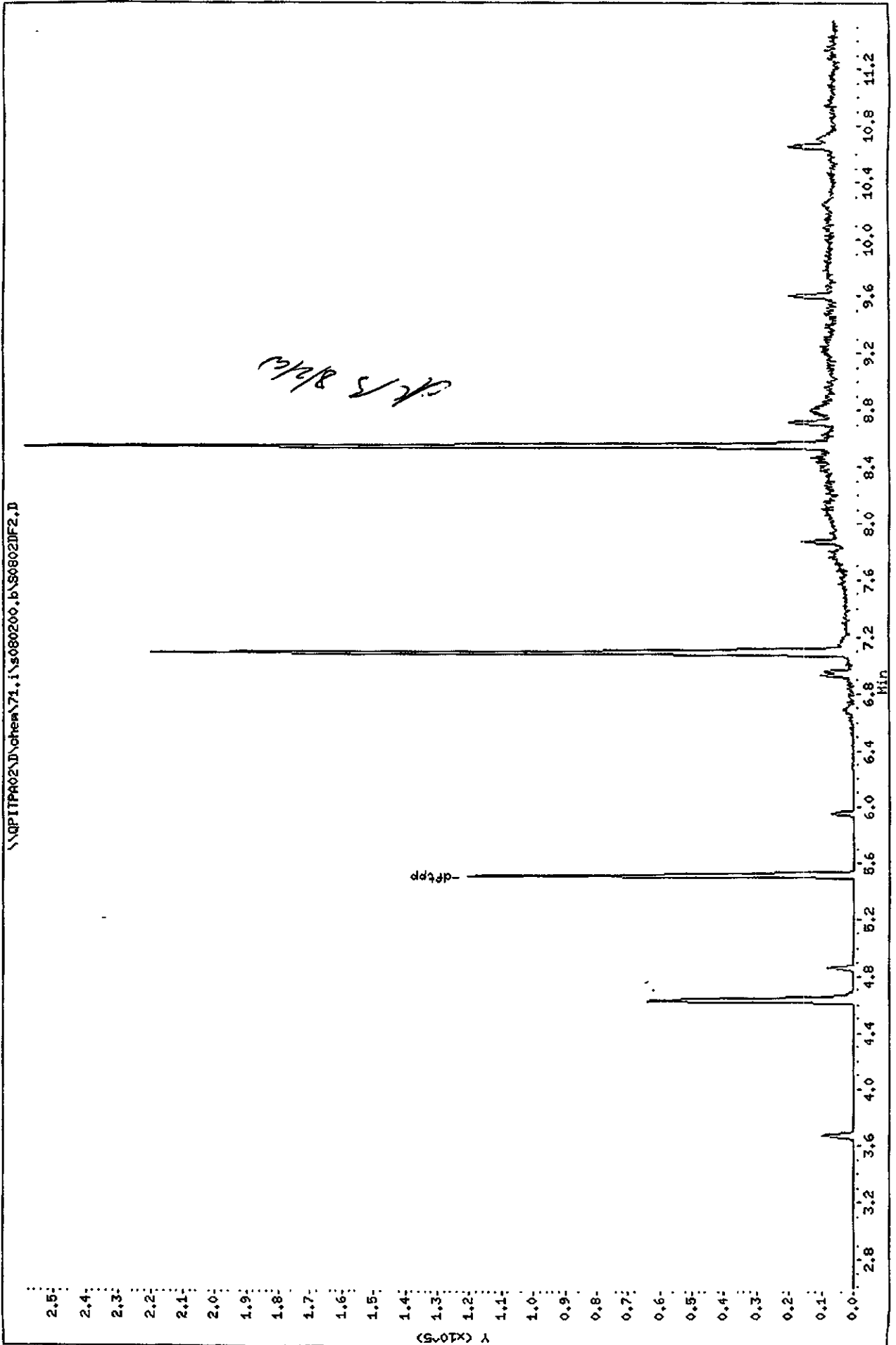
Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	685	98.00	758	196.00	170	256.00	1044
50.00	1852	99.00	410	198.00	12396	258.00	359
51.00	7426	107.00	2438	199.00	918	274.00	461
57.00	653	110.00	3818	204.00	427	276.00	3186
69.00	6825	111.00	642	205.00	853	276.00	170
74.00	848	117.00	2286	206.00	3540	296.00	1313
75.00	1201	127.00	6867	207.00	185	365.00	716
76.00	169	128.00	589	217.00	1012	423.00	454
77.00	7917	129.00	3189	221.00	424	441.00	1686
78.00	428	148.00	417	224.00	1924	442.00	9757
79.00	661	167.00	917	225.00	193	443.00	1997
80.00	378	179.00	217	227.00	951		
81.00	794	186.00	1883	244.00	1518		
93.00	1042	187.00	629	255.00	7360		

Data File: \\QPITPA02\chem\71.i\5080200.b\508020F2.D
 Date : 02-AUG-2000 11:08
 Client ID: DFTPP02
 Sample Info: DFTPP050 (25ppb) 194-158-6

Instrument: 71.i
 Operator: 045183
 Column diameter: 2.00

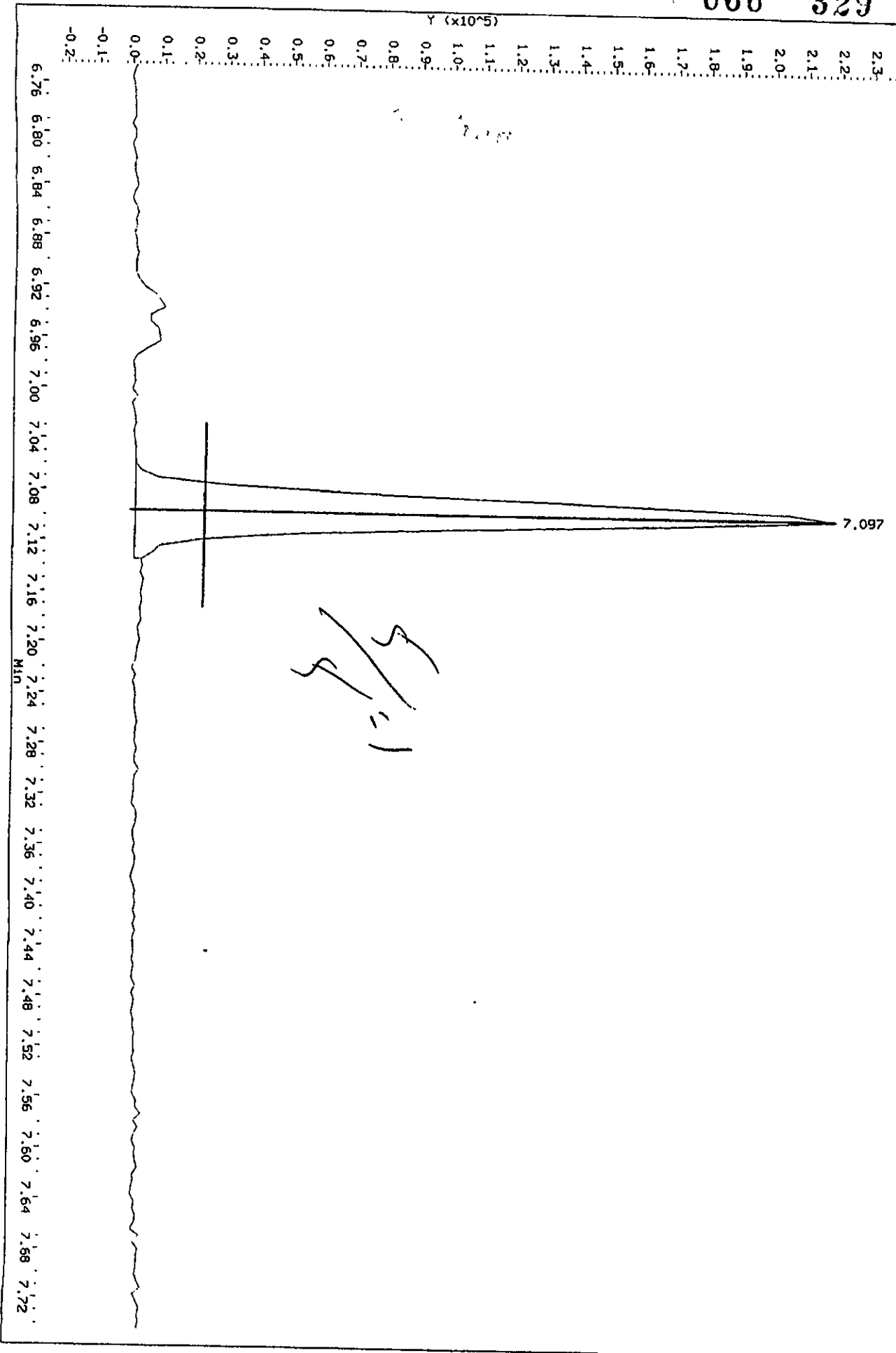
Column phase:



666 329

Data File: \\GPIFPA02\N\chem\71, \s080200.b\50802DF2.D
Injection Date: 02-AUG-2000 11:08
Instrument: 71.1
Client Sample ID: DRTP02

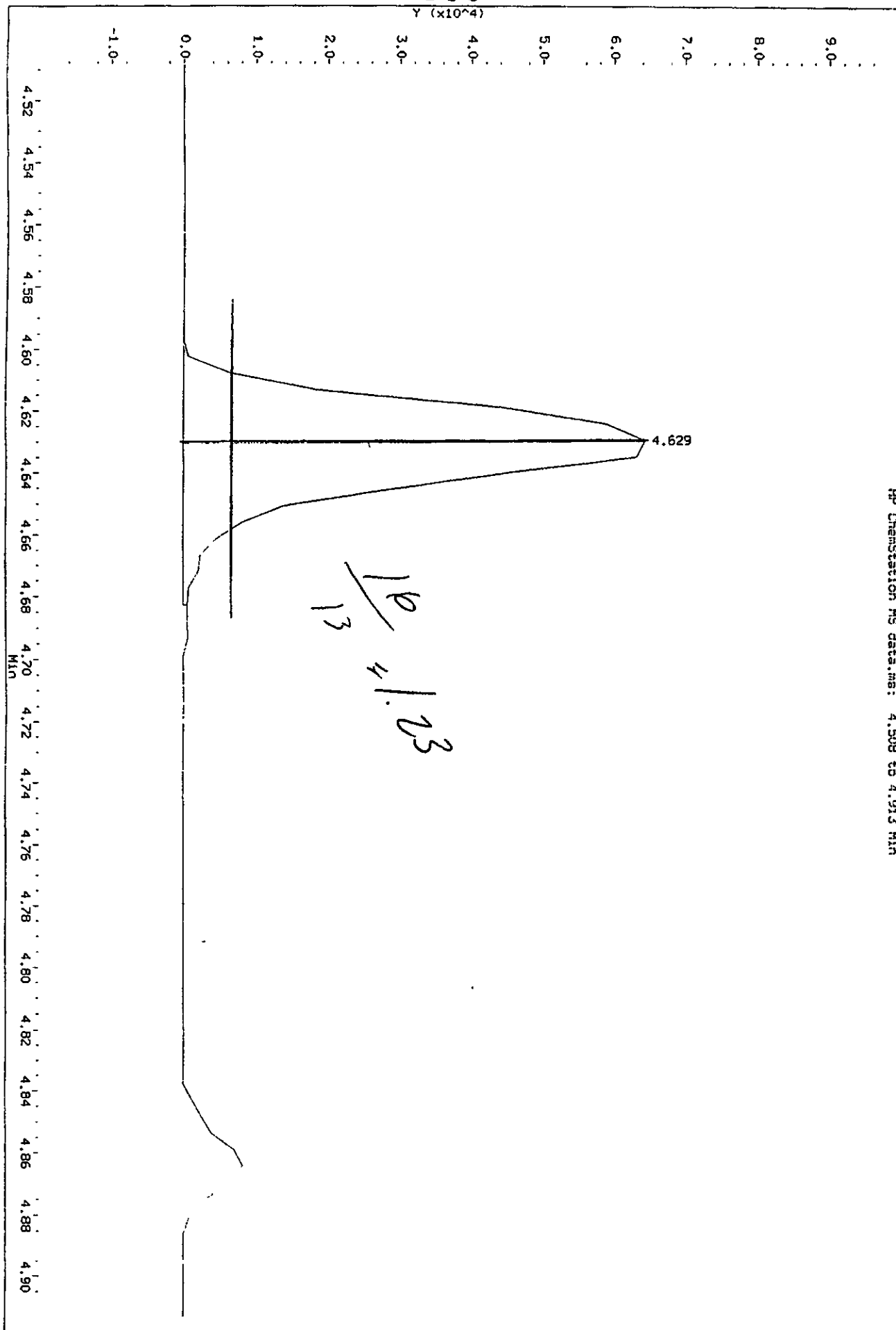
HP ChemStation MS data.ms: 6.747 to 7.744 Min



Data File: \\QIPITPA02\N\chem\71.1\5080200.b\508020F2.D
 Injection Date: 02-AUG-2000 11:08
 Instrument: 71.1
 Client Sample ID: DFIP02

HP ChemStation MS data.ms: 4.508 to 4.913 Min

666 330



UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl) ether	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
86-74-8	Carbazole	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	50	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U

FORM I

666 332

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethyl phthalate	10	U
84-74-2	Di-n-butyl phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
51-28-5	2,4-Dinitrophenol	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	50	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
86-30-6	N-Nitrosodiphenylamine	10	U

FORM I

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

666 333

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

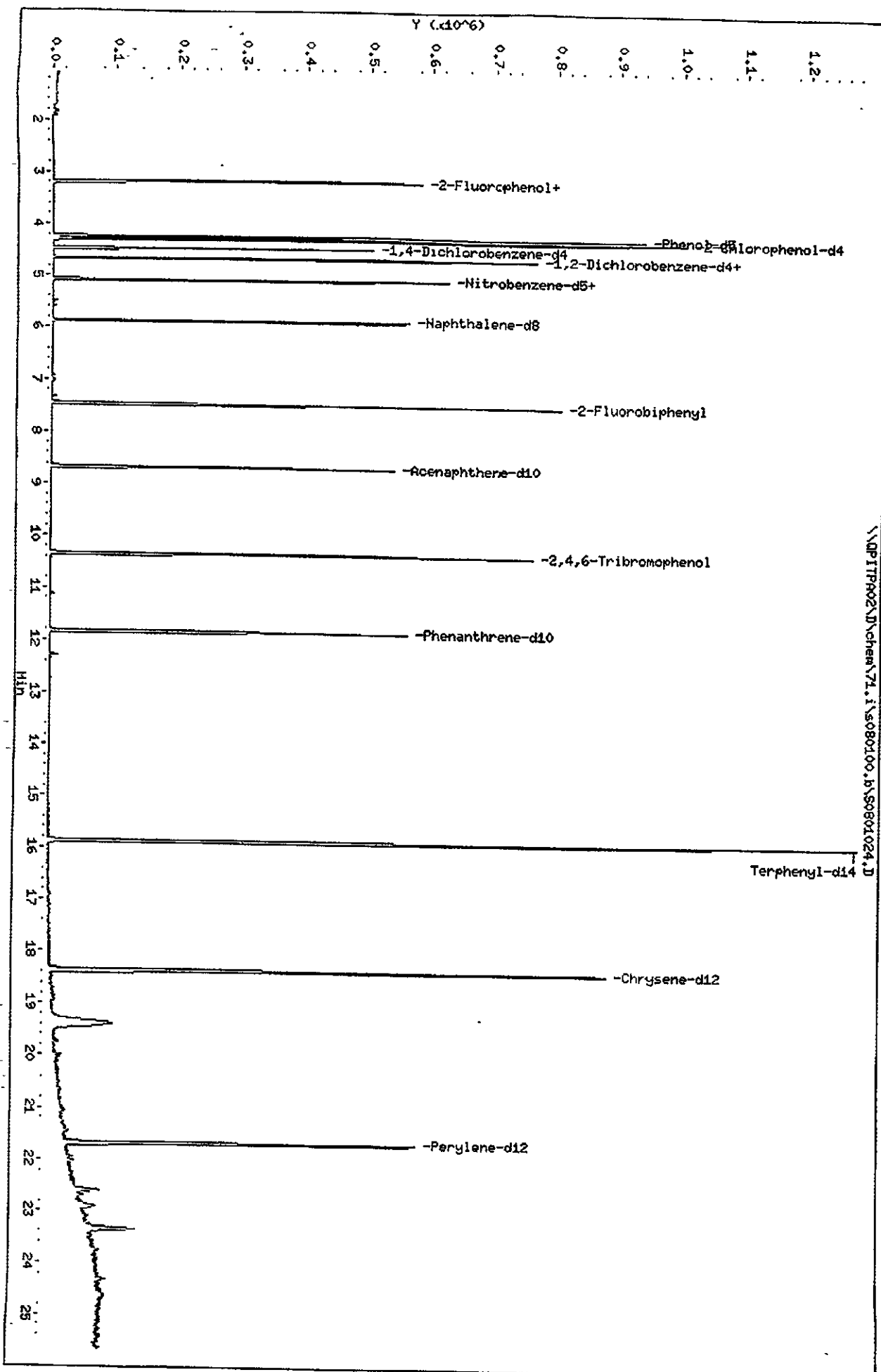
Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U

FORM I

Data File: \\QPI\PRO2\chem\71.i\5080100.b\50801024.D
Date: 01-01-2000 17:02
Client ID: INTRA-LAB BLANK
Sample Info: 008270310-sblk 7/28/00 82700 h2o
Volume injected (uL): 2.0
Column phase: Hp5-MS

Instrument: 71.i
Operator: 045183
Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270
Data file : \\QPITPA02\D\chem\71.i\s080100.b\S0801024.D
Lab Smp Id: DH2FH104 Client Smp ID: INTRA-LAB BLANK
Inj Date : 01-AUG-2000 17:02
Operator : 045183 Inst ID: 71.i
Smp Info : c0g270310-sblk 7/28/00 8270c h20
Misc Info : dh2fh104,s080100.b,8270clp.m,1-82701.sub
Comment :
Method : \\QPITPA02\D\chem\71.i\s080100.b\8270clp.m
Meth Date : 01-Aug-2000 15:40 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 26 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC050

WJH
8/1/02

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

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

Compounds	QUANT SIG				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)
*****	----	--	-----	-----	-----	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.472	4.480	(1.000)	78167	40.0000
* 2 Naphthalene-d8	136	5.872	5.880	(1.000)	311889	40.0000
* 3 Acenaphthene-d10	164	8.676	8.690	(1.000)	194720	40.0000
* 4 Phenanthrene-d10	188	11.850	11.863	(1.000)	416468	40.0000
* 5 Chrysene-d12	240	18.378	18.386	(1.000)	674111	40.0000
* 6 Perylene-d12	264	21.695	21.709	(1.000)	454566	40.0000
13 N-Nitrosodimethylamine	74	Compound Not Detected.				
10 Pyridine	79	Compound Not Detected.				
19 Methyl methanesulfonate	80	Compound Not Detected.				
22 Aniline	93	Compound Not Detected.				
23 Phenol	94	Compound Not Detected.				
24 bis(2-Chloroethyl) ether	93	Compound Not Detected.				
25 2-Chlorophenol	128	Compound Not Detected.				

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
-----	----	--	-----	-----	-----	-----	-----
27 1,3-Dichlorobenzene	146		Compound	Not	Detected.		
28 1,4-Dichlorobenzene	146		Compound	Not	Detected.		
29 1,2-Dichlorobenzene	146		Compound	Not	Detected		
30 Benzyl Alcohol	108		Compound	Not	Detected		
31 2-Methylphenol	108		Compound	Not	Detected		
32 2,2'-oxybis(1-Chloropropane)	45		Compound	Not	Detected.		
33 N-Nitroso-di-n-propylamine	70		Compound	Not	Detected.		
35 4-Methylphenol	108		Compound	Not	Detected		
38 Hexachloroethane	117		Compound	Not	Detected.		
39 Nitrobenzene	77		Compound	Not	Detected		
44 Isophorone	82		Compound	Not	Detected.		
45 2-Nitrophenol	139		Compound	Not	Detected.		
46 2,4-Dimethylphenol	107		Compound	Not	Detected.		
47 bis(2-Chloroethoxy)methane	93		Compound	Not	Detected.		
51 2,4-Dichlorophenol	162		Compound	Not	Detected.		
52 Benzoic Acid	122		Compound	Not	Detected.		
53 1,2,4-Trichlorobenzene	179		Compound	Not	Detected.		
54 Naphthalene	128		Compound	Not	Detected.		
55 4-Chloroaniline	127		Compound	Not	Detected.		
59 Hexachlorobutadiene	224		Compound	Not	Detected.		
62 4-Chloro-3-Methylphenol	107		Compound	Not	Detected.		
65 2-Methylnaphthalene	142		Compound	Not	Detected.		
66 1-Methylnaphthalene	142		Compound	Not	Detected		
67 Hexachlorocyclopentadiene	236		Compound	Not	Detected.		
69 2,4,6-Trichlorophenol	196		Compound	Not	Detected.		
70 2,4,5-Trichlorophenol	196		Compound	Not	Detected.		
73 2-Chloronaphthalene	162		Compound	Not	Detected.		
77 2-Nitroaniline	65		Compound	Not	Detected.		
80 Dimethylphthalate	163		Compound	Not	Detected.		
82 2,6-Dinitrotoluene	165		Compound	Not	Detected		
83 Acenaphthylene	152		Compound	Not	Detected.		
85 3-Nitroaniline	138		Compound	Not	Detected.		
86 Acenaphthene	153		Compound	Not	Detected.		
87 2,4-Dinitrophenol	184		Compound	Not	Detected.		
89 4-Nitrophenol	109		Compound	Not	Detected.		
90 Dibenzofuran	168		Compound	Not	Detected.		
91 2,4-Dinitrotoluene	165		Compound	Not	Detected.		
95 2,3,5,6-Tetrachlorophenol	231		Compound	Not	Detected.		
92 2,3,4,6-Tetrachlorophenol	231		Compound	Not	Detected.		
96 2-Naphthylamine	143		Compound	Not	Detected.		
97 Diethylphthalate	149		Compound	Not	Detected.		
98 Fluorene	166		Compound	Not	Detected.		
99 4-Chlorophenyl-phenylether	204		Compound	Not	Detected.		
100 4-Nitroaniline	138		Compound	Not	Detected.		
102 4,6-Dinitro-2-methylphenol	198		Compound	Not	Detected.		
103 N-Nitrosodiphenylamine (1)	169		Compound	Not	Detected		
104 1,2-Diphenylhydrazine	77		Compound	Not	Detected.		

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Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
112 4-Bromophenyl-phenylether	248				Compound Not Detected.		
113 Hexachlorobenzene	283				Compound Not Detected.		
117 Pentachlorophenol	265				Compound Not Detected.		
122 Phenanthrene	178				Compound Not Detected.		
123 Anthracene	178				Compound Not Detected.		
126 Carbazole	167				Compound Not Detected.		
130 Di-n-Butylphthalate	149				Compound Not Detected.		
135 Fluoranthene	202				Compound Not Detected.		
136 Benzidine	184				Compound Not Detected.		
137 Pyrene	202				Compound Not Detected.		
144 Butylbenzylphthalate	149				Compound Not Detected.		
149 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
150 Benzo(a)Anthracene	228				Compound Not Detected.		
151 Chrysene	228				Compound Not Detected.		
153 bis(2-ethylhexyl) Phthalate	149				Compound Not Detected.		
155 Di-n-octylphthalate	149				Compound Not Detected.		
157 Benzo(b)fluoranthene	252				Compound Not Detected.		
158 Benzo(k)fluoranthene	252				Compound Not Detected.		
159 7,12-dimethylbenz(a)anthracen	256				Compound Not Detected.		
167 Benzo(a)pyrene	252				Compound Not Detected.		
169 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
170 Dibenz(a,h)anthracene	278				Compound Not Detected.		
171 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 172 Nitrobenzene-d5	82	5.081	5.089	(0.865)	228514	60.9376	30.469
\$ 173 2-Fluorobiphenyl	172	7.485	7.493	(0.863)	359708	56.7365	28.368
\$ 174 Terphenyl-d14	244	15.883	15.880	(0.864)	832978	61.3576	30.679
\$ 175 Phenol-d5	99	4.242	4.245	(0.949)	329656	94.0699	47.035
\$ 176 2-Fluorophenol	112	3.179	3.182	(0.711)	227588	86.5153	43.258
\$ 177 2,4,6-Tribromophenol	330	10.354	10.362	(0.874)	132156	126.302	63.151
\$ 178 2-Chlorophenol-d4	132	4.296	4.304	(0.961)	258136	105.042	52.521
\$ 179 1,2-Dichlorobenzene-d4	152	4.664	4.667	(1.043)	110352	64.8629	32.431

666 338

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH2FH105

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/02/00

Moisture %: NA

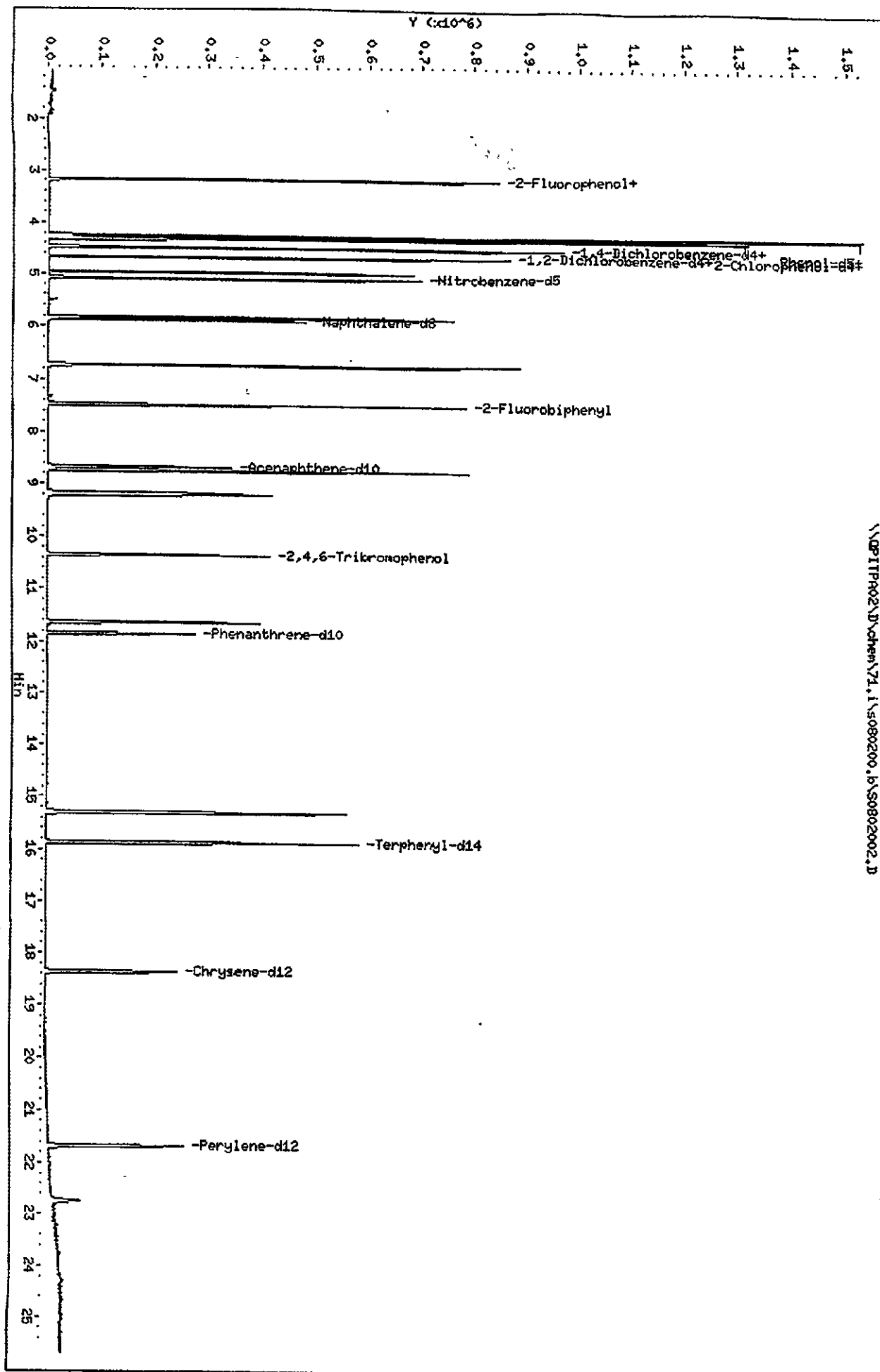
QC Batch: 0211096

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	41.2	
59-50-7	4-Chloro-3-methylphenol	60.1	
95-57-8	2-Chlorophenol	58.4	
106-46-7	1,4-Dichlorobenzene	37.9	
121-14-2	2,4-Dinitrotoluene	39.9	
100-02-7	4-Nitrophenol	62.6	
621-64-7	N-Nitrosodi-n-propylamine	34.7	
87-86-5	Pentachlorophenol	73.2	
108-95-2	Phenol	54.8	
129-00-0	Pyrene	46.4	
120-82-1	1,2,4-Trichlorobenzene	39.9	

Data File: \\QIP02\J\chem\71.1\5080200.b\50802002.D
Date: 02-AUG-2000 11:57
Client ID: INTRA-LAB CHECK
Sample Info: 008270310-1cs 7/28/00 8270c h2o
Volume Injected (uL): 2.0
Column Phase: HPL-MS

Instrument: 71.1
Operator: 046183
Column diameter: 0.25



\\QIP02\J\chem\71.1\5080200.b\50802002.D

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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080200.b\S0802002.D
Lab Smp Id: DH2FH105 Client Smp ID: INTRA-LAB CHECK
Inj Date : 02-AUG-2000 11:57
Operator : 045183 Inst ID: 71.i
Smp Info : c0g270310-lcs 7/28/00 8270c h20
Misc Info : dh2fh105,s080200.b,8270clp.m,1-82701.sub
Comment :
Method : \\QPITPA02\D\chem\71.i\s080200.b\8270clp.m
Meth Date : 02-Aug-2000 12:28 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

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

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

5/1/01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.473	4.467	(1.000)	66581	40.0000	
* 2 Naphthalene-d8	136	5.872	5.866	(1.000)	251530	40.0000	
* 3 Acenaphthene-d10	164	8.677	8.671	(1.000)	128196	40.0000	
* 4 Phenanthrene-d10	188	11.850	11.844	(1.000)	210563	40.0000	
* 5 Chrysene-d12	240	18.367	18.372	(1.000)	196266	40.0000	
* 6 Perylene-d12	264	21.690	21.690	(1.000)	218142	40.0000	
13 N-Nitrosodimethylamine	74				Compound Not Detected.		
10 Pyridine	79				Compound Not Detected.		
19 Methyl methanesulfonate	80				Compound Not Detected.		
22 Aniline	93				Compound Not Detected.		
23 Phenol	94	4.254	4.248	(0.951)	355001	109.651	54.825
24 bis(2-Chloroethyl)ether	93				Compound Not Detected		
25 2-Chlorophenol	128	4.312	4.306	(0.964)	271952	116.812	58.406
27 1,3-Dichlorobenzene	146				Compound Not Detected.		

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Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
28 1,4-Dichlorobenzene	146	4.489	4.483	(1.004)	198489	75.8817	37.941
29 1,2-Dichlorobenzene	146	Compound Not Detected.					
30 Benzyl Alcohol	108	Compound Not Detected.					
31 2-Methylphenol	108	Compound Not Detected.					
32 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
33 N-Nitroso-di-n-propylamine	70	4.959	4.958	(1.109)	149147	69.4776	34.739
35 4-Methylphenol	108	Compound Not Detected.					
38 Hexachloroethane	117	Compound Not Detected.					
39 Nitrobenzene	77	Compound Not Detected.					
44 Isophorone	82	Compound Not Detected.					
45 2-Nitrophenol	139	Compound Not Detected.					
46 2,4-Dimethylphenol	107	Compound Not Detected.					
47 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
51 2,4-Dichlorophenol	162	Compound Not Detected.					
52 Benzoic Acid	122	Compound Not Detected.					
53 1,2,4-Trichlorobenzene	180	5.824	5.818	(0.992)	147534	79.8263	39.913
54 Naphthalene	128	Compound Not Detected.					
55 4-Chloroaniline	127	Compound Not Detected.					
59 Hexachlorobutadiene	224	Compound Not Detected.					
62 4-Chloro-3-Methylphenol	107	6.732	6.732	(1.146)	249712	120.133	60.066
65 2-Methylnaphthalene	142	Compound Not Detected.					
66 1-Methylnaphthalene	142	Compound Not Detected.					
67 Hexachlorocyclopentadiene	236	Compound Not Detected.					
69 2,4,6-Trichlorophenol	196	Compound Not Detected.					
70 2,4,5-Trichlorophenol	196	Compound Not Detected.					
73 2-Chloronaphthalene	162	Compound Not Detected.					
77 2-Nitroaniline	65	Compound Not Detected.					
80 Dimethylphthalate	163	Compound Not Detected.					
82 2,6-Dinitrotoluene	165	Compound Not Detected.					
83 Acenaphthylene	152	Compound Not Detected.					
85 3-Nitroaniline	138	Compound Not Detected.					
86 Acenaphthene	153	8.741	8.735	(1.007)	309999	82.4450	41.222
87 2,4-Dinitrophenol	184	Compound Not Detected.					
89 4-Nitrophenol	109	9.174	9.173	(1.057)	91979	125.143	62.571
90 Dibenzofuran	168	Compound Not Detected.					
91 2,4-Dinitrotoluene	165	9.211	9.200	(1.062)	97930	79.7864	39.893
95 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
96 2-Naphthylamine	143	Compound Not Detected.					
97 Diethylphthalate	149	Compound Not Detected.					
98 Fluorene	166	Compound Not Detected.					
99 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
100 4-Nitroaniline	138	Compound Not Detected.					
102 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
103 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
104 1,2-Diphenylhydrazine	77	Compound Not Detected.					
112 4-Bromophenyl-phenylether	248	Compound Not Detected.					

666 342

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
113 Hexachlorobenzene	283				Compound Not Detected.		
117 Pentachlorophenol	266	11.636	11.630	{0.982}	78519	146.460	73 230 (M)
122 Phenanthrene	178				Compound Not Detected.		
123 Anthracene	178				Compound Not Detected.		
126 Carbazole	167				Compound Not Detected.		
130 Di-n-Butylphthalate	149				Compound Not Detected.		
135 Fluoranthene	202				Compound Not Detected.		
136 Benzidine	184				Compound Not Detected.		
137 Pyrene	202	15.312	15.300	{0.834}	487160	92.8423	46 421
144 Butylbenzylphthalate	149				Compound Not Detected.		
149 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
150 Benzo(a)Anthracene	228				Compound Not Detected.		
151 Chrysene	228				Compound Not Detected.		
153 bis(2-ethylhexyl)Phthalate	149				Compound Not Detected.		
155 Di-n-octylphthalate	149				Compound Not Detected.		
157 Benzo(b)fluoranthene	252				Compound Not Detected.		
158 Benzo(k)fluoranthene	252				Compound Not Detected.		
159 7,12-dimethylbenz(a)anthracen	256				Compound Not Detected.		
167 Benzo(a)pyrene	252				Compound Not Detected.		
169 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
170 Dibenz(a,h)anthracene	278				Compound Not Detected.		
171 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 172 Nitrobenzene-d5	82	5.082	5.076	{0.865}	232060	76.7332	38.367
\$ 173 2-Fluorobiphenyl	172	7.486	7.474	{0.863}	342607	82.0814	41.041
\$ 174 Terphenyl-d14	244	15.878	15.867	{0.864}	390049	98.6826	49.341
\$ 175 Phenol-d5	99	4.243	4.237	{0.949}	344105	115.280	57.640
\$ 176 2-Fluorophenol	112	3.174	3.174	{0.710}	243481	108.663	54.332
\$ 177 2,4,6-Tribromophenol	330	10.360	10.348	{0.874}	74666	141.138	70.569
\$ 178 2-Chlorophenol-d4	132	4.296	4.290	{0.961}	272906	130.377	65.189
\$ 179 1,2-Dichlorobenzene-d4	152	4.665	4.659	{1.043}	114286	78.8646	39.432

QC Flag Legend

M - Compound response manually integrated.

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

666 343

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0G290000 096

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 07/27/00

Work Order: DH2FH106 Date Extracted: 07/28/00

Dilution factor: 1 Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0211096

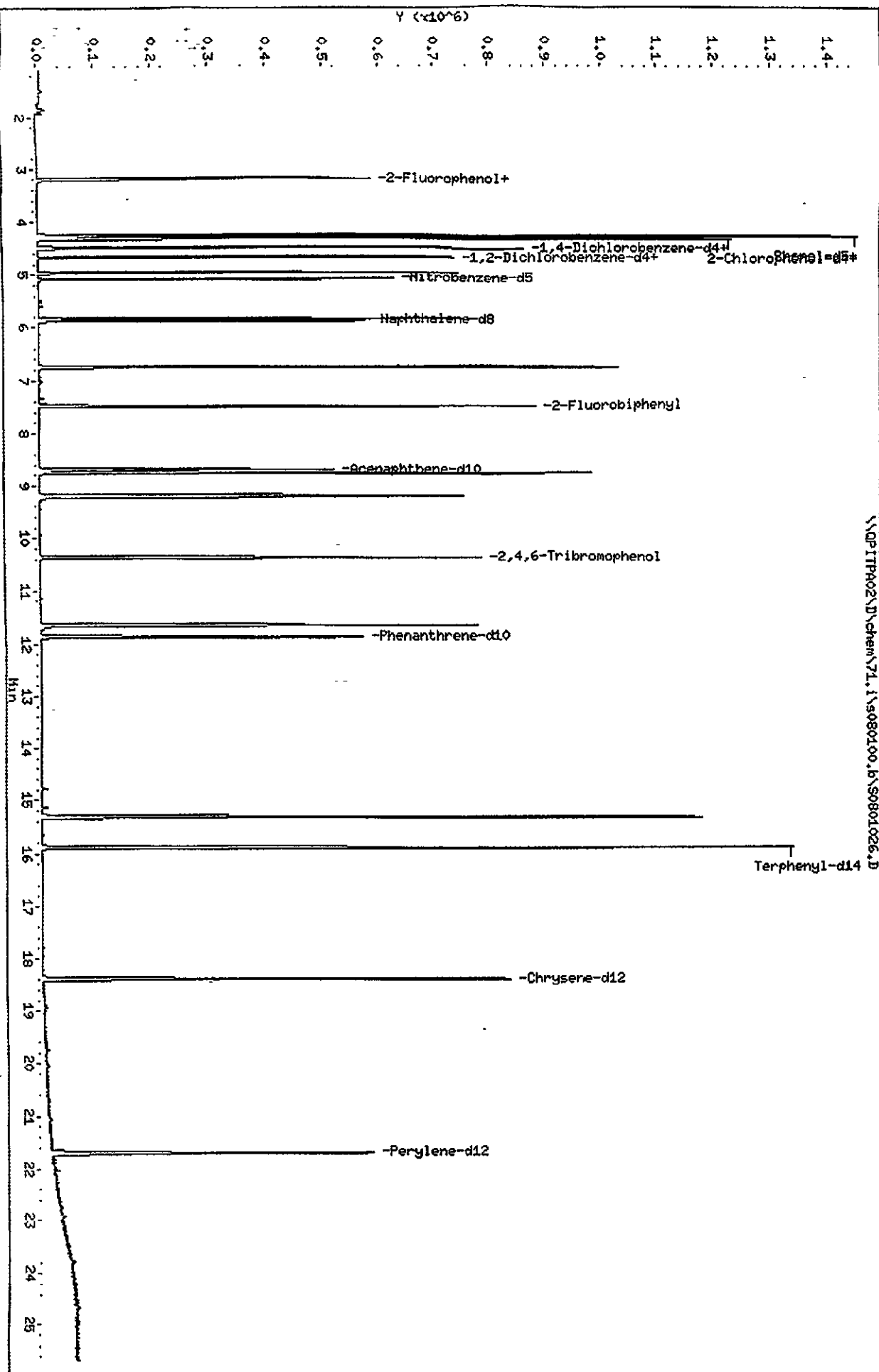
Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	33.6	
59-50-7	4-Chloro-3-methylphenol	59.7	
95-57-8	2-Chlorophenol	49.8	
106-46-7	1,4-Dichlorobenzene	31.8	
121-14-2	2,4-Dinitrotoluene	38.6	
100-02-7	4-Nitrophenol	80.4	
621-64-7	N-Nitrosodi-n-propylamine	34.1	
87-86-5	Pentachlorophenol	71.3	
108-95-2	Phenol	48.4	
129-00-0	Pyrene	29.3	p
120-82-1	1,2,4-Trichlorobenzene	32.8	

FORM I

Data File: \\QPIITP002\N\chem\71.1\5080100.b\50801026.D
 Date: 01-AUG-2000 18:06
 Client ID: INTRA-LAB CHECK
 Sample Info: 008270310-1csd 7/28/00 82700 h2o
 Volume Injected (uL): 2.0
 Column phase: HP5-MS

Instrument: 71.1
 Operator: 045183
 Column diameter: 0.25



666 345

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\71.i\s080100.b\S0801026.D
Lab Smp Id: DH2FH106 Client Smp ID: INTRA-LAB CHECK
Inj Date : 01-AUG-2000 18:06
Operator : 045183 Inst ID: 71.i
Smp Info : c0g270310-lcsd 7/28/00 8270c h20
Misc Info : dh2fh106,s080100.b,8270clp.m,1-82701.sub
Comment :
Method : \\QPITPA02\D\chem\71.i\s080100.b\8270clp.m
Meth Date : 01-Aug-2000 15:40 bachas Quant Type: ISTD
Cal Date : 20-JUL-2000 16:02 Cal File: S0720CC5.D
Als bottle: 28 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-82701.sub
Target Version: 4.04
Processing Host: PITPC050

W/P
8/1/00

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

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

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.475	4.480	(1.000)	75390	40.0000		
* 2 Naphthalene-d8	136	5.869	5.880	(1.000)	302682	40.0000		
* 3 Acenaphthene-d10	164	8.679	8.690	(1.000)	191557	40.0000		
* 4 Phenanthrene-d10	188	11.858	11.863	(1.000)	415476	40.0000		
* 5 Chrysene-d12	240	18.381	18.386	(1.000)	663366	40.0000		
* 6 Perylene-d12	264	21.698	21.709	(1.000)	470762	40.0000		
13 N-Nitrosodimethylamine	74				Compound Not Detected.			
10 Pyridine	79				Compound Not Detected.			
19 Methyl methanesulfonate	80				Compound Not Detected.			
22 Aniline	93				Compound Not Detected.			
23 Phenol	94	4.256	4.261	(0.951)	354895	96.8096	48.405	
24 bis(2-Chloroethyl)ether	93				Compound Not Detected.			
25 2-Chlorophenol	128	4.315	4.320	(0.964)	262685	99.6478	49.824	
27 1,3-Dichlorobenzene	146				Compound Not Detected.			

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
28 1,4-Dichlorobenzene	146	4.491	4.496	(1.004)	188388	63.6049	31.802
29 1,2-Dichlorobenzene	146	Compound Not Detected					
30 Benzyl Alcohol	108	Compound Not Detected.					
31 2-Methylphenol	108	Compound Not Detected.					
32 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected					
33 N-Nitroso-di-n-propylamine	70	4.961	4.972	(1.109)	165831	68.2233	34.112
35 4-Methylphenol	108	Compound Not Detected.					
38 Hexachloroethane	117	Compound Not Detected.					
39 Nitrobenzene	77	Compound Not Detected.					
44 Isophorone	82	Compound Not Detected.					
45 2-Nitrophenol	139	Compound Not Detected					
46 2,4-Dimethylphenol	107	Compound Not Detected.					
47 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
51 2,4-Dichlorophenol	162	Compound Not Detected.					
52 Benzoic Acid	122	Compound Not Detected.					
53 1,2,4-Trichlorobenzene	180	5.827	5.832	(0.993)	145823	65.5667	32.783
54 Naphthalene	128	Compound Not Detected					
55 4-Chloroaniline	127	Compound Not Detected.					
59 Hexachlorobutadiene	224	Compound Not Detected.					
62 4-Chloro-3-Methylphenol	107	6.735	6.745	(1.147)	298646	119.394	59.697
65 2-Methylnaphthalene	142	Compound Not Detected					
66 1-Methylnaphthalene	142	Compound Not Detected.					
67 Hexachlorocyclopentadiene	236	Compound Not Detected.					
69 2,4,6-Trichlorophenol	196	Compound Not Detected.					
70 2,4,5-Trichlorophenol	196	Compound Not Detected.					
73 2-Chloronaphthalene	162	Compound Not Detected.					
77 2-Nitroaniline	65	Compound Not Detected					
80 Dimethylphthalate	163	Compound Not Detected.					
82 2,6-Dinitrotoluene	165	Compound Not Detected.					
83 Acenaphthylene	152	Compound Not Detected.					
85 3-Nitroaniline	138	Compound Not Detected					
86 Acenaphthene	153	8.743	8.749	(1.007)	377548	67.1975	33.599
87 2,4-Dinitrophenol	184	Compound Not Detected					
89 4-Nitrophenol	109	9.181	9.181	(1.058)	176682	160.874	80.437(A)
90 Dibenzofuran	168	Compound Not Detected.					
91 2,4-Dinitrotoluene	165	9.213	9.219	(1.062)	141663	77.2407	38.620
95 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
96 2-Naphthylamine	143	Compound Not Detected.					
97 Diethylphthalate	149	Compound Not Detected.					
98 Fluorene	166	Compound Not Detected.					
99 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
100 4-Nitroaniline	138	Compound Not Detected.					
102 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
103 N-Nitrosodiphenylamine (i)	169	Compound Not Detected					
104 1,2-Diphenylhydrazine	77	Compound Not Detected					
112 4-Bromophenyl-phenylether	248	Compound Not Detected.					

666 347

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
-----	----	--	-----	-----	-----	-----	-----
113 Hexachlorobenzene	283				Compound Not Detected.		
117 Pentachlorophenol	266	11.639	11.644	(0.982)	150937	142.682	71.341
122 Phenanthrene	178				Compound Not Detected.		
123 Anthracene	178				Compound Not Detected.		
126 Carbazole	167				Compound Not Detected.		
130 Di-n-Butylphthalate	149				Compound Not Detected.		
135 Fluoranthene	202				Compound Not Detected.		
136 Benzidine	184				Compound Not Detected.		
137 Pyrene	202	15.320	15.314	(0.833)	1038717	58.5684	29.284
144 Butylbenzylphthalate	149				Compound Not Detected.		
149 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
150 Benzo(a)Anthracene	228				Compound Not Detected.		
151 Chrysene	228				Compound Not Detected.		
153 bis(2-ethylhexyl)Phthalate	149				Compound Not Detected.		
155 Di-n-octylphthalate	149				Compound Not Detected.		
157 Benzo(b)fluoranthene	252				Compound Not Detected.		
158 Benzo(k)fluoranthene	252				Compound Not Detected.		
159 7,12-dimethylbenz(a)anthracene	256				Compound Not Detected.		
167 Benzo(a)pyrene	252				Compound Not Detected.		
169 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
170 Dibenzo(a,h)anthracene	278				Compound Not Detected.		
171 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 172 Nitrobenzene-d5	82	5.084	5.089	(0.866)	233080	64.0459	32.023
\$ 173 2-Fluorobiphenyl	172	7.483	7.493	(0.862)	381286	61.1330	30.566
\$ 174 Terphenyl-d14	244	15.886	15.880	(0.864)	825598	61.7990	30.900
\$ 175 Phenol-d5	99	4.245	4.245	(0.949)	342832	101.433	50.717
\$ 176 2-Fluorophenol	112	3.177	3.182	(0.710)	234367	92.3740	46.187
\$ 177 2,4,6-Tribromophenol	330	10.357	10.362	(0.873)	133424	127.818	63.909
\$ 178 2-Chlorophenol-d4	132	4.299	4.304	(0.961)	263383	111.125	55.563
\$ 179 1,2-Dichlorobenzene-d4	152	4.667	4.667	(1.043)	109793	66.9115	33.456

QC Flag Legend

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

666 348

**GC/MS SEMIVOLATILE
MISCELLANEOUS**

Continuous L-L Extraction Worksheet



STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238
412-820-8380

Began 7/28/2000 Time 13:30		Prep Meth # 35200		H2SO4 186-16-3		Solvent MeC12		Solvent Lot T19271		NaSO4 Lot Number T23625		Clean up Method N/A	
Change over 7-29-00 Time 11:30		Analysis 8-2-00		NaOH 0090-09		Final Volume mL		pH		Surrogate Lot #		Matrix Spike Lot #	
Completed 8-1-00 Time 00:00		Client ID		Extract Vol (mL)		Final Volume mL		pH		Surrogate Lot #		Matrix Spike Lot #	
Lot Number	Sample ID	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
1. C06270310	BLK												
2.	LCS												
3.	MS 2000 LCS Dup												
4.	MS 2000 LCS Dup												
5.	MS 2000 LCS Dup												
6.	MS 2000 LCS Dup												
7. C06270302													
8. C06270174													
9.													
10.													
11.													
12.													
13. C06270267													
14. C06270272													
15. C06270275													
16.													
17.													
18.													
19.													
20.													
21.													
22.													
23.													
Prep Analysis: WT		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Extract(s)		Extract(s) Received		Extract(s) Relinquished		Extract(s) Relinquished		Extract(s) Relinquished		Extract(s) Relinquished		Extract(s) Relinquished	
(Record line number from above)		Time		Time		Time		Time		Time		Time	
All Above		8-31-00		8-31-00		8-31-00		8-31-00		8-31-00		8-31-00	
All Above		8-1-00		8-1-00		8-1-00		8-1-00		8-1-00		8-1-00	
L-1-6		8-1-00		8-1-00		8-1-00		8-1-00		8-1-00		8-1-00	
Batch Number: 0211096		8/2/00 07W		8/2/00 07W		8/2/00 07W		8/2/00 07W		8/2/00 07W		8/2/00 07W	

Quanterra N:\QALOGBOOKS\FDRC_L_L_EXT.DOC Jul-00

Log Book Number OP-00-00048

666 350 Comment: STL PITT HP597371A LOG 2ul inj (100ul+1ul IS)
Operator: 045183

Data Path: D:\HPCHEM\1\DATA\s080300.b\

Pre-Seq Cmd:

Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

On A Barcode Mismatch

(X) Inject Anyway

() Don't Inject

Line Type Vial DataFile Method Sample Name

1 Sample 100 S0803CLN EARLY blk
2 Sample 1 S0803DFT DFTPP1 DFTPP050 (25ppb) 194-158-6
3 Sample 2 S0803CC2 EARLY sstd50(25 ug/ml) 194-182-11 8
4 Sample 95 S0803CC1 EARLY sstd20(10 ug/ml) 194-175-11 8
5 Sample 96 S0803CC3 EARLY sstd80(40 ug/ml) 194-175-12 8
6 Sample 97 S0803CC4 EARLY sstd120(60 ug/ml) 194-175-13
7 Sample 98 S0803CC5 EARLY sstd160(80 ug/ml) 194-175-14
8 Sample 99 S0803VER EARLY ver50(25 ug/ml) 194-183-1 827
9 Sample 3 S0803001 EARLY c0g210204-sblk 7/27/00 8270c
10 Sample 4 S0803002 EARLY c0g210204-lcs 7/27/00 8270c t
11 Sample 5 S0803003 EARLY c0g210204-001 7/27/00 8270c t
12 Sample 6 S0803004 EARLY c0g210204-001ms 7/27/00 8270c
13 Sample 7 S0803005 EARLY c0g210204-001msd 7/27/00 8270
14 Sample 8 S0803006 EARLY c0g250147-001 fv=2ml 7/27/00
15 Sample 9 S0803007 EARLY c0h010136-sblk 8/02/00 8270c
16 Sample 10 S0803008 EARLY c0h010136-lcs 8/02/00 8270c h
17 Sample 11 S0803009 EARLY c0h010136-001 8/02/00 8270c h
18 Sample 12 S0803010 EARLY c0h010136-001ms 8/02/00 8270c
19 Sample 13 S0803011 EARLY c0h010136-001msd 8/02/00 8270
20 Sample 14 S0803012 EARLY c0g210219-002 x2 8/01/00 8270
21 Sample 15 S0803013 EARLY c0g260134-002 x3 8/01/00 8270
22 Sample 16 S0803014 EARLY c0g270270-002 x3 8/01/00 8270
23 Sample 17 S0803015 EARLY c0g270273-002 x2 8/01/00 8270
24 Sample 18 S0803016 EARLY c0g280173-002 x3 8/01/00 8270
25 Sample 19 S0803017 EARLY c0g280141-002 8/01/00 8270c s
26 Sample 94 S0803018 EARLY cleanout
27 Sample 94 S0803019 EARLY cleanout
28 Sample 94 S0803020 EARLY cleanout
29 Sample 94 S0803021 EARLY cleanout
30 Sample 94 S0803022 EARLY cleanout
31 Sample 94 S0803023 EARLY cleanout

Last Modified: Fri Aug 04 08:02:23 2000

Page: 1

Comment: STL PITT HP597371A LOG 2ul inj (100ul+1ul IS)
Operator: 045183
Data Path: D:\HPCHEM\1\DATA\s072000.b\
Pre-Seq Cmd:
Post-Seq Cmd:

666 351

Stanton 6/15/00
IS: 194.1725
8270

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

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	S0720DF1	DFTPP1	DFTPP050 (25ppb) 194-158-6
2	Sample	1	S0720DF2	DFTPP1	DFTPP050 (25ppb) 194-158-6
3	Sample	3	S0720CC2	EARLY	sstd50(25 ug/ml) 194-182-1 82
4	Sample	2	S0720CC1	EARLY	sstd20(10 ug/ml) 194-175-10 8
5	Sample	4	S0720CC3	EARLY	sstd80(40 ug/ml) 194-175-12 8
6	Sample	5	S0720CC4	EARLY	sstd120(60 ug/ml) 194-175-13
7	Sample	6	S0720CC5	EARLY	sstd160(80 ug/ml) 194-175-14
8	Sample	7	S0720VER	EARLY	ver050(25 ug/ml) 194-175-7 82
9	Sample	8	S0720001	LATE	c0g130193-sblk 7/13/00 8270spl/p/6pc
10	Sample	9	S0720002	LATE	c0g130193-lcs 7/13/00 8270spl
11	Sample	10	S0720003	LATE	c0g130193-002 7/13/00 8270spl
12	Sample	11	S0720004	LATE	c0g130193-002ms 7/13/00 8270s
13	Sample	12	S0720005	LATE	c0g130193-002msd 7/13/00 8270
14	Sample	13	S0720006	LATE	c0g130193-001 7/13/00 8270spl
15	Sample	14	S0720007	LATE	c0g130193-003 7/13/00 8270spl
16	Sample	15	S0720008	LATE	c0g130193-003dup 7/13/00 8270
17	Sample	25	S07200VR	EARLY	ver050(25 ug/ml) 194-143-7 4X

Sequence Name: STL PITT HP597371A LOG 2ul inj (100ul+1ul IS)
Operator: 045183
Data Path: D:\HPCHEM\1\DATA\S080100.b\
Pre-Seq Cmd:
Post-Seq Cmd:

666 352

Handwritten: 15-164777-5
E270

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

Line Type Vial DataFile Method Sample Name

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	S0801DF1	DFTPP1	DFTPP050 (25ppb) 194-158-6
2	Sample	1	S0801DF2	DFTPP1	DFTPP050 (25ppb) 194-158-6
3	Sample	2	S0801CCC	EARLY	sstd50(25 ug/ml) 194-182-8 82
4	Sample	3	S0801001	EARLY	c0g270310-011 7/28/00 8270c s
5	Sample	19	S0801017	EARLY	c0g290144-sblk 7/31/00 8270c
6	Sample	20	S0801018	EARLY	c0g290144-lcs 7/31/00 8270c s
7	Sample	21	S0801019	EARLY	c0g290144-007 7/31/00 8270c s
8	Sample	22	S0801020	EARLY	c0g290144-007ms 7/31/00 8270c
9	Sample	23	S0801021	EARLY	c0g290144-007msd 7/31/00 8270
10	Sample	24	S0801022	EARLY	c0g290144-008 7/31/00 8270c s
11	Sample	25	S0801023	EARLY	b0g260216-001 7/31/00 8270c s
12	Sample	26	S0801024	EARLY	c0g270310-sblk 7/28/00 8270c
13	Sample	27	S0801025	EARLY	c0g270310-lcs 7/28/00 8270c h
14	Sample	28	S0801026	EARLY	c0g270310-lcsd 7/28/00 8270c
15	Sample	28	S0801002	EARLY	c0g270302-001 x5 7/28/00 8270
16	Sample	25	S0801003	EARLY	c0g270174-001 x2 7/28/00 8270
17	Sample	26	S0801004	EARLY	c0g270174-002 7/28/00 8270c h
18	Sample	13	S0801011	EARLY	c0g280142-sblk 7/31/00 8270c
19	Sample	14	S0801012	EARLY	c0g280142-lcs 7/31/00 8270c s
20	Sample	15	S0801013	EARLY	c0g280142-001 7/31/00 8270c s
21	Sample	16	S0801014	EARLY	c0g280142-001ms 7/31/00 8270c
22	Sample	17	S0801015	EARLY	c0g280142-001msd 7/31/00 8270
23	Sample	18	S0801016	EARLY	c0g280142-002 7/31/00 8270c s
24	Sample	9	S0801007	EARLY	c0g270174-005 x2 7/28/00 8270
25	Sample	7	S0801005	EARLY	c0g270174-003 x20 7/28/00 827
26	Sample	8	S0801006	EARLY	c0g270174-004 x20 7/28/00 827

Handwritten: Henry SK will not gain anything

Handwritten: Henry SK will not gain anything

Handwritten: 8/1/00

Handwritten: 10x5

Handwritten: 8/1/00

Handwritten: 2349

Handwritten: WARCH DFTPP TIME

Sequence Name: D:\HPCHEM\1\SEQUENCE\S080200.S

Comment: STL PITT HP597371A LOG 2ul inj (100ul+1ul IS)

Operator: 045183

Data Path: D:\HPCHEM\1\DATA\s080200.b\

Pre-Seq Cmd:

Post-Seq Cmd:

666 353

Method Sections To Run

(X) Full Method

() Reprocessing Only

On A Barcode Mismatch

(X) Inject Anyway

() Don't Inject

Handwritten: 164777-5
ETW

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	S0802DF1	DFTPP1	DFTPP050 (25ppb) 194-158-6
2	Sample	1	S0802DF2	DFTPP1	DFTPP050 (25ppb) 194-158-6
3	Sample	2	S0802CCC	EARLY	sstd50(25 ug/ml) 194-182-8 82
4	Sample	4	S0802002	EARLY	c0g270310-lcs 7/28/00 8270c h
5	Sample	5	S0802003	EARLY	c0g280142-lcs 7/31/00 8270c s
6	Sample	11	S0802009	EARLY	c0g210219-sblk 8/01/00 8270c s
7	Sample	12	S0802010	EARLY	c0g210219-lcs 8/01/00 8270c s
8	Sample	13	S0802011	EARLY	c0g210219-lcsd 8/01/00 8270c s
9	Sample	23	S0802021	EARLY	c0g270302-001 x2 7/28/00 8270
10	Sample	24	S0802022	EARLY	c0g280142-001 x10 7/31/00 827
11	Sample	3	S0802001	EARLY	c0g290144-008 x5 7/31/00 8270
12	Sample	6	S0802004	EARLY	c0g270174-003 7/28/00 8270c h
13	Sample	7	S0802005	EARLY	c0g270174-004 x5 7/28/00 8270
14	Sample	8	S0802006	EARLY	c0g270267-001 x20 fv=2ml 7/28
15	Sample	9	S0802007	EARLY	c0g270272-001 x100 fv=14ml 7/
16	Sample	10	S0802008	EARLY	c0g270275-001 x10 7/28/00 827
17	Sample	14	S0802012	EARLY E	c0g210219-002 8/01/00 8270c s
18	Sample	15	S0802013	EARLY	c0g250149-002 8/01/00 8270c s
19	Sample	16	S0802014	EARLY E	c0g260134-002 8/01/00 8270c s
20	Sample	17	S0802015	EARLY	c0g260148-002 8/01/00 8270c s
21	Sample	18	S0802016	EARLY E	c0g270270-002 8/01/00 8270c s
22	Sample	19	S0802017	EARLY E	c0g270273-002 8/01/00 8270c s
23	Sample	20	S0802018	EARLY	c0g270278-002 8/01/00 8270c s
24	Sample	21	S0802019	EARLY	c0g280141-002 8/01/00 8270c s
25	Sample	22	S0802020	EARLY E	c0g280173-002 8/01/00 8270c s

Handwritten: *w/4 DFTPP Tmg on last few runs

Handwritten: Check 2nd w/4:

Handwritten: DGLH4102

Handwritten: DGTSC102

Handwritten: DGXED102

Handwritten: DGXEV102

Handwritten: 12K102

Handwritten: 1200
1108
2308

Handwritten: JH

666 354

PSR024 7/28/00 4:14:39 MT

SAMPLE CUSTODIAN REMOVAL REQUEST

PAGE 001

REQUESTED BY: TROUTB

METHOD: QL Base/Neutrals and Acids (8270C)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD	
12C,D CLP1	DGWFQ-1-02	— — —	253745	398493	I-49-QL	COG270174	001		WATER	0	5	1
12C,D CLP1	DGWKN-1-02	— — —	253746	398493	I-49-QL	COG270174	002		WATER	0	5	1
12C,D CLP1	DGWKR-1-02	— — —	253747	398493	I-49-QL	COG270174	003		WATER	0	4	1
12C,D CLP1	DGWKT-1-02	— — —	253748	398493	I-49-QL	COG270174	004		WATER	0	5	1
12C,D CLP1	DGWKV-1-02	— — —	253749	398493	I-49-QL	COG270174	005		WATER	0	4	1
13A, CLP1	DGXCX-1-0P	— — —	253750	416241	I-49-QL	COG270267	001		WATER	0	22	1
13A CLP1	DGXEX-1-0P	— — —	253751	416241	I-49-QL	COG270272	001		WATER	0	20	1
13A, CLP1	DGXF1-1-0P	— — —	253752	416241	I-49-QL	COG270275	001		WATER	0	21	1
12D CLP1	DGXL3-1-02	— — —	253744	399411	I-49-QL	COG270302	001		WATER	0	13	1
13B CLP1	DGXN4-1-02	— — —	253742	378644	I-49-QL	COG270310	002		WATER	0	5	1
13B CLP1	DGXNN-1-02	— — —	253743	378644	I-49-QL	COG270310	005		WATER	0	5	1

Dumped empty sample 1 Liter Jars

RELINQUISHED BY

RECEIVED BY

DATE/TIME

Ken Smith
B Trout

B Trout
Ken Smith

7/28/2000 06:50
7/28/2000 13:25

***** END OF REPORT *****

PESTICIDE DATA

666 356

**PESTICIDE
QC SUMMARY**

2E
WATER PESTICIDE SURROGATE RECOVERY

668 357

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKH	80	80	95	93			0
02	LCSH	50	50	96	95			0
03	LCDH	54	54	95	94			0
04	DF/S1/0208/I	240*	66	90	85			1
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
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17								
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27								
28								
29								
30								

ADVISORY

QC LIMITS ~~39-130~~

S1 (TCX) = Tetrachloro-m-xylene

S2 (DCB) = Decachlorobiphenyl

~~(20-141)~~ DE
~~(63-130)~~ 815-00
10-147

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

660 358

SW846 8081A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KH102

BATCH: 0210439

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	0.250	0.192	77	49 - 137	
Heptachlor	0.250	0.192	77	57 - 124	
Aldrin	0.250	0.192	77	62 - 120	
Dieldrin	0.500	0.474	95	68 - 130	
Endrin	0.500	0.405	81	46 - 137	
4,4'-DDT	0.500	0.461	92	60 - 140	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KH103

BATCH: 0210439

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane)	0.250	0.191	76	49 - 137	
Heptachlor	0.250	0.192	77	57 - 124	
Aldrin	0.250	0.190	76	62 - 120	
Dieldrin	0.500	0.463	93	68 - 130	
Endrin	0.500	0.392	78	46 - 137	
4,4'-DDT	0.500	0.444	89	60 - 140	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

666 360

PBLKH

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

Lab Sample ID: DH1KH101

Lab File ID: D-A5057

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SW3510

Sulfur Cleanup (Y/N) N

Date Extracted: 07/28/00

Date Analyzed (1): 08/01/00

Date Analyzed (2): 08/01/00

Time Analyzed (1): 1038

Time Analyzed (2): 1038

Instrument ID (1): GC4

Instrument ID (2): GC4

GC Column (1): DB608

ID: 0.53 (mm)

GC Column (2): DB1701

ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	LCSH	DH1KH102	08/01/00	08/01/00
02	LCDH	DH1KH103	08/01/00	08/01/00
03	DF/S1/0208/I	DGXL3103	08/01/00	08/01/00
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

**PESTICIDE
SAMPLE DATA**

666 362

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3103

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.019	J P
58-89-9	gamma-BHC (Lindane)	0.050	U
5103-71-9	alpha-Chlordane	0.014	J P
5103-74-2	gamma-Chlordane	0.014	J P
72-54-8	4,4'-DDD	0.034	J P
72-55-9	4,4'-DDE	0.050	U
50-29-3	4,4'-DDT	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
53494-70-5	Endrin ketone	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.094	P
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	2.0	U

FORM I

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5063.d
Lab Smp Id: DGXL3103 Client Smp ID: DF/S1/0208/IDW/002
Inj Date : 01-AUG-2000 14:05
Operator : 1891 Inst ID: gc4.i
Smp Info : DGXL3103,4310-G.b,,PEST.sub,,,
Misc Info : 270302-1
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 02-Aug-2000 13:18 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC085

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	129918	0.04791	0.4791 (R)
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	9.326	9.326	0.000	14207	0.00495	0.04948 (a)
7 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
10 Heptachlor	10.593	10.600	-0.007	24010	0.01053	0.1053
8 delta-BHC	11.080	11.040	0.040	5401	0.00191	0.01907 (a)
11 Aldrin	11.813	11.766	0.047	10472	0.00470	0.04697 (a)
2 Diallylate A	Compound Not Detected.					
3 Diallylate B	7.153	7.180	-0.027	306382		(a)
12 Heptachlor epoxide	13.286	13.293	-0.007	109638	0.04284	0.4284
13 gamma-Chlordane	13.660	13.633	0.027	129451	0.04814	0.4814
14 alpha-Chlordane	13.926	13.940	-0.014	25770	0.00955	0.09554
15 Endosulfan I	Compound Not Detected					
16 4,4'-DDE	Compound Not Detected.					

Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5063.d
 Report Date: 02-Aug-2000 13:21

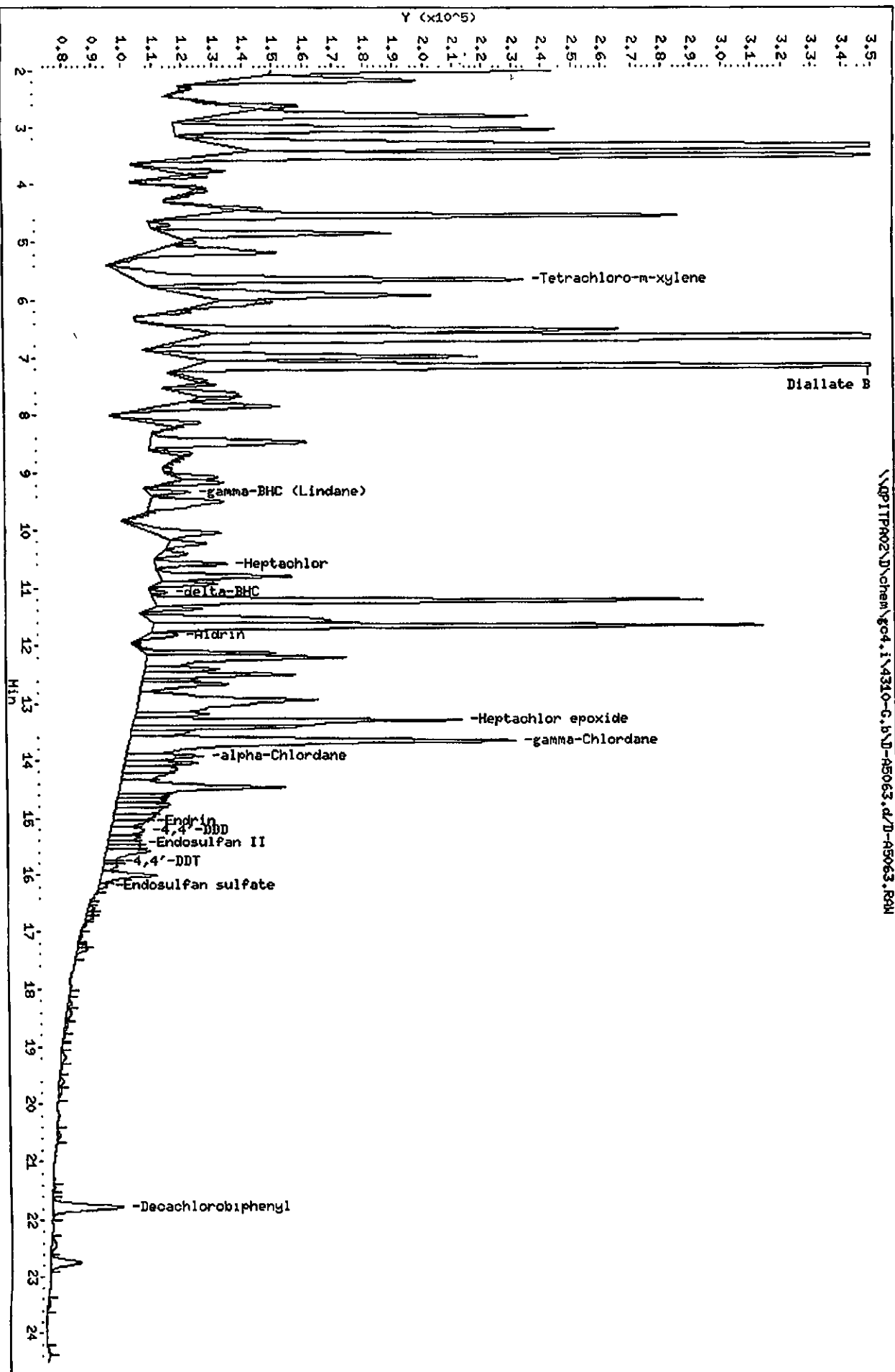
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
*****	==	=====	=====	=====	=====	=====
17 Dieldrin	Compound Not Detected.					
20 Endrin	15.053	15.093	-0.040	11894	0.00544	0.05444
21 4,4'-DDD	15.213	15.233	-0.020	11280	0.00537	0.05370
18 Toxaphene	Compound Not Detected.					
22 Endosulfan II	15.433	15.386	0.047	10912	0.00485	0.04854(a)
23 4,4'-DDT	15.780	15.740	0.040	4126	0.00220	0.02202(a)
24 Endrin aldehyde	Compound Not Detected.					
26 Endosulfan sulfate	16.180	16.186	-0.006	2811	0.00160	0.01596(a)
25 Methoxychlor	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	21.780	21.780	0.000	23261	0.01796	0.1796

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.

Data File: \\QP11P002\Nchem\gc4.i\4310-G.b\D-A5063.d
Date: 01-AUG-2000 14:05
Client ID: DF/S1/0208/IDM/002
Sample Info: DCM3103,4310-G.b,,PEST.sub,,,
Volume Injected (uL): 1.0
Column Phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



666 366

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5063.d
 Report Date: 02-Aug-2000 14:13

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5063.d
 Lab Smp Id: DGXL3103 Client Smp ID: DF/S1/0208/IDW/002
 Inj Date : 01-AUG-2000 14:05
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DGXL3103,4310-G.b,, PEST.sub,,,
 Misc Info : 270302-1
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 02-Aug-2000 14:12 matkol Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)				Compound Not Detected		
7 beta-BHC	12.326	12.373	-0.047	192240	0.12039	1.204 (A)
9 Chlordane				Compound Not Detected.		
10 Heptachlor				Compound Not Detected.		
8 delta-BHC	13.006	13.006	0.000	14977	0.00440	0.04396 (a)
11 Aldrin				Compound Not Detected.		
12 Heptachlor epoxide	13.473	13.480	-0.007	30421	0.00938	0.09383
13 gamma-Chlordane	14.100	14.073	0.027	4600	0.00143	0.01426 (a)
14 alpha-Chlordane	14.186	14.166	0.020	4414	0.00139	0.01385 (a)
15 Endosulfan I				Compound Not Detected.		
16 4,4'-DDE	14.326	14.313	0.013	15199	0.00465	0.04648 (a)
17 Dieldrin	14.620	14.600	0.020	47924	0.01476	0.1476
20 Endrin				Compound Not Detected.		
18 Toxaphene				Compound Not Detected.		

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
-----	--	-----	-----	-----	-----	-----
21 4,4'-DDD	15.493	15.473	0.020	8109	0.00339	0.03388(a)
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	Compound Not Detected.					
24 Endrin aldehyde	Compound Not Detected.					
26 Endosulfan sulfate	Compound Not Detected.					
25 Methoxychlor	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 1 Tetrachloro-m-xylene	5.753	5.740	0.013	29537	0.01331	0.1331
\$ 30 Decachlorobiphenyl	20.300	20.293	0.007	27615	0.01708	0.1708

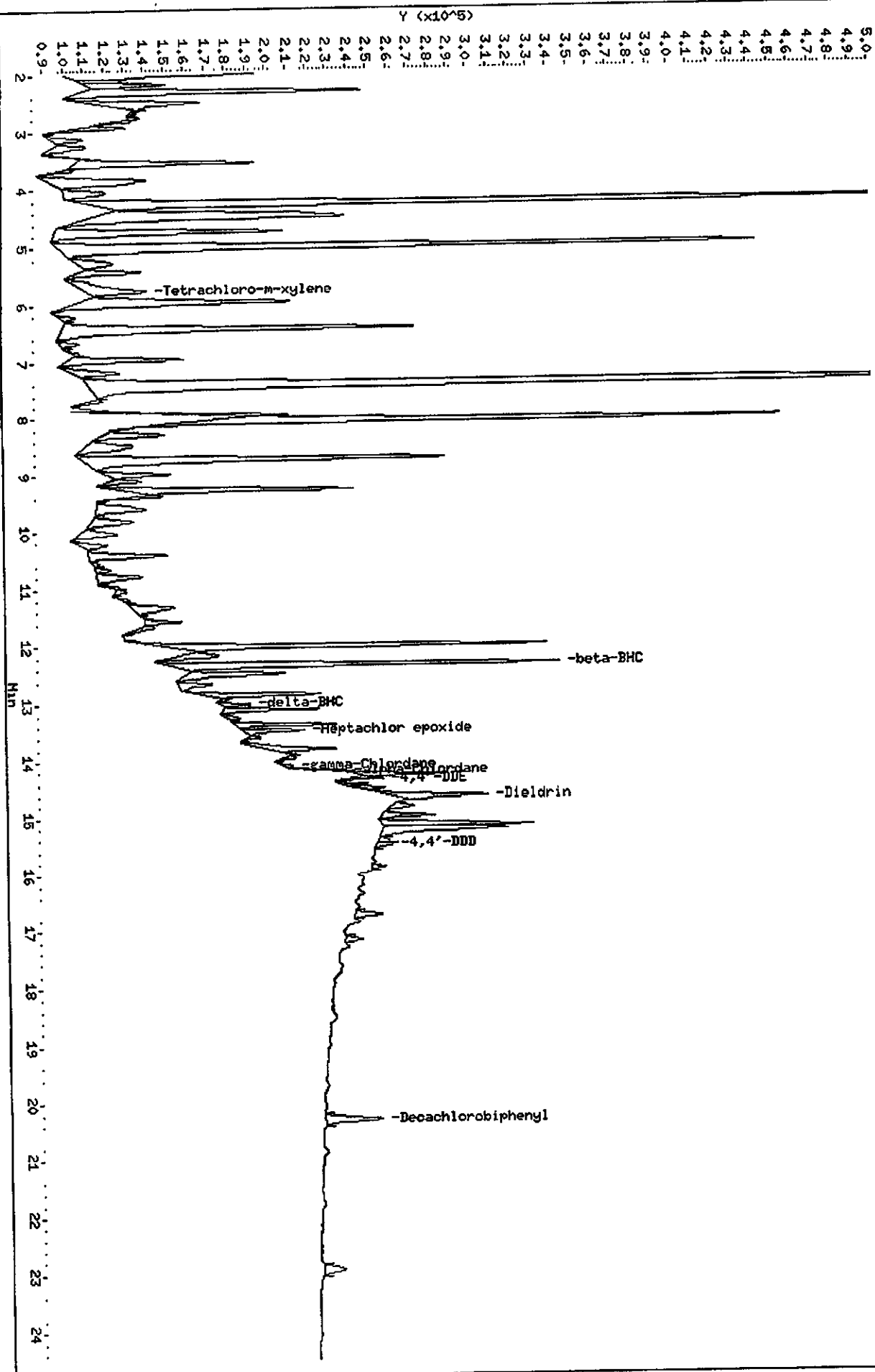
QC Flag Legend

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

Data File: \\ppltpa02\chem\gc4.i\4310-G.b\J-B5063.d
Date: 01-AUG-2000 14:05
Client ID: DF/S1/0208/IDM/002
Sample Info: DCM 3103, 4310-G.b, PEST, sub,,
Volume Injected (uL): 1.0
Column phase: DB1701

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53

\\ppltpa02\chem\gc4.i\4310-G.b\J-B5063.d\J-B5063.RAW



10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

666 369

EPA SAMPLE NO.

DF/S1/020
8/IDW/002

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: COG270302

Lab Sample ID: DGXL3103

Date(s) Analyzed: 08/01/00 08/01/00

Instrument ID (1): GC4

Instrument ID (2): GC4

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

ANALYTE =====	COL =====	RT =====	RT WINDOW		CONCENTRATION =====	%D =====
			FROM =====	TO =====		
delta-BHC	1	11.08	10.99	11.09	0.01907	
	2	13.01	12.96	13.06	0.04396	130.5
Heptachlor epoxide	1	13.29	13.24	13.34	0.4284	
	2	13.47	13.43	13.53	0.09383	356.6
4,4'-DDD	1	15.21	15.19	15.29	0.05370	
	2	15.49	15.43	15.53	0.03388	58.5
alpha-Chlordane	1	13.93	13.89	13.99	0.09554	
	2	14.19	14.12	14.22	0.01385	589.8
gamma-Chlordane	1	13.66	13.58	13.68	0.4814	
	2	14.10	14.02	14.12	0.01426	999.9
	1					
	2					
	1					
	2					
	1					
	2					

666 370

**PESTICIDE
CALIBRATION DATA**

Report Date : 01-Aug-2000 11:23

61)
58904A
DB608

666 371

STL Pittsburgh

COMPOUND LISTING

Method file : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Quant Method : ESTD Target Version : 4.04
Last Update : 01-Aug-2000 11:22 Number of CpnDs : 31
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	40.000000
Initial:End Threshold	20.000000
Initial:Area Threshold	1000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	1.000000
Initial:Negative Peaks	ON
Initial:Tension	0.000000

Compound	RT	RT Window	RF
\$ 1 Tetrachloro-m-xylene	5.640	5.590-5.690	2.71e+006
2 Diallate A	6.900	6.850-6.950	
3 Diallate B	7.180	7.130-7.230	
4 HEXACHLORO BENZENE	7.440	7.390-7.490	
5 alpha-BHC	7.927	7.877-7.977	3.16e+006
6 gamma-BHC (Lindane)	9.333	9.283-9.383	2.87e+006
7 beta-BHC	9.607	9.557-9.657	1.60e+006
8 delta-BHC	11.040	10.990-11.090	2.83e+006
9 Chlordane	9.987	9.937-10.037	7.38e+004
	10.613	10.563-10.663	1.30e+005
	13.640	13.590-13.690	2.64e+005
	13.947	13.897-13.997	1.97e+005
10 Heptachlor	10.607	10.557-10.657	2.28e+006
11 Aldrin	11.767	11.717-11.817	2.23e+006
12 Heptachlor epoxide	13.293	13.243-13.343	2.56e+006
13 gamma-Chlordane	13.633	13.583-13.683	2.69e+006
14 alpha-Chlordane	13.940	13.890-13.990	2.70e+006
15 Endosulfan I	13.993	13.943-14.043	2.43e+006
16 4,4'-DDE	14.380	14.330-14.430	2.70e+006
17 Dieldrin	14.520	14.470-14.570	2.60e+006
18 Toxaphene	15.273	15.223-15.323	3.04e+004
	15.427	15.377-15.477	4.20e+004
	15.800	15.750-15.850	3.06e+004
	17.000	16.950-17.050	3.34e+004

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Report Date : 01-Aug-2000 11:23

STL Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m

Compound	RT	RT Window	RF
19 Isodrin	13.413	13.363-13.463	
20 Endrin	15.100	15.050-15.150	2.18e+006
21 4,4'-DDD	15.240	15.190-15.290	2.10e+006
22 Endosulfan II	15.387	15.337-15.437	2.25e+006
23 4,4'-DDT	15.747	15.697-15.797	1.87e+006
24 Endrin aldehyde	15.953	15.903-16.003	1.74e+006
25 Methoxychlor	17.507	17.457-17.557	8.57e+005
26 Endosulfan sulfate	16.187	16.137-16.237	1.76e+006
27 Endrin ketone	17.953	17.903-18.003	1.79e+006
28 MIREX	18.807	18.757-18.857	
29 Kepone	15.993	15.943-16.043	
58 CHLOROBENZILATE	15.780	15.730-15.830	
\$ 30 Decachlorobiphenyl	21.793	21.743-21.843	1.30e+006

Report Date : 02-Aug-2000 12:15

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STL Pittsburgh

COMPOUND LISTING

Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 02-Aug-2000 12:15 Number of Cpnds : 31
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	40.000000
Initial:End Threshold	20.000000
Initial:Area Threshold	1000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	1.000000
Initial:Negative Peaks	ON
Initial:Tension	0.000000

Compound	RT	RT Window	RF
\$ 1 Tetrachloro-m-xylene	5.640	5.590-5.690	2.71e+006
2 Diallate A	6.900	6.850-6.950	
3 Diallate B	7.180	7.130-7.230	
4 HEXACHLOROBENZENE	7.440	7.390-7.490	
5 alpha-BHC	7.927	7.877-7.977	3.16e+006
6 gamma-BHC (Lindane)	9.327	9.277-9.377	2.87e+006
7 beta-BHC	9.607	9.557-9.657	1.60e+006
8 delta-BHC	11.040	10.990-11.090	2.83e+006
9 Chlordane	9.987	9.937-10.037	7.38e+004
	10.613	10.563-10.663	1.30e+005
	13.640	13.590-13.690	2.64e+005
	13.947	13.897-13.997	1.97e+005
10 Heptachlor	10.600	10.550-10.650	2.28e+006
11 Aldrin	11.767	11.717-11.817	2.23e+006
12 Heptachlor epoxide	13.293	13.243-13.343	2.56e+006
13 gamma-Chlordane	13.633	13.583-13.683	2.69e+006
14 alpha-Chlordane	13.940	13.890-13.990	2.70e+006
15 Endosulfan I	13.993	13.943-14.043	2.43e+006
16 4,4'-DDE	14.373	14.323-14.423	2.70e+006
17 Dieldrin	14.520	14.470-14.570	2.60e+006
18 Toxaphene	15.273	15.223-15.323	3.04e+004
	15.427	15.377-15.477	4.20e+004
	15.800	15.750-15.850	3.06e+004
	17.000	16.950-17.050	3.34e+004

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Report Date : 02-Aug-2000 12:15

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STL Pittsburgh

COMPOUND LISTING

Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m

Compound	RT	RT Window	RF
19 Isodrin	13.413	13.363-13.463	
20 Endrin	15.093	15.043-15.143	2.18e+006
21 4,4'-DDD	15.233	15.183-15.283	2.10e+006
22 Endosulfan II	15.387	15.337-15.437	2.25e+006
23 4,4'-DDT	15.740	15.690-15.790	1.87e+006
24 Endrin aldehyde	15.953	15.903-16.003	1.74e+006
25 Methoxychlor	17.500	17.450-17.550	8.57e+005
26 Endosulfan sulfate	16.187	16.137-16.237	1.76e+006
27 Endrin ketone	17.953	17.903-18.003	1.79e+006
28 MIREX	18.807	18.757-18.857	
29 Kepone	15.993	15.943-16.043	
58 CHLOROBENZILATE	15.780	15.730-15.830	
\$ 30 Decachlorobiphenyl	21.780	21.730-21.830	1.30e+006

Report Date : 01-Aug-2000 11:23

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STE Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2000 09:13
End Cal Date : 31-JUL-2000 14:18
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Cal Date : 01-Aug-2000 11:22 MatkoL
Curve Type : Average

Calibration File Names:

Level 1: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5009.d
Level 2: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5010.d
Level 3: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5011.d
Level 4: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5012.d
Level 5: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5013.d

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
2 Diallyl A	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Diallyl B	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 HEXACHLOROBENZENE	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 alpha-BHC	2866200	3012400	3143720	3397400	3399430	3163830	7.446
6 gamma-BHC (Lindane)	2699800	2787200	2858560	3014740	2995980	2871256	4.698
7 beta-BHC	1665400	1701200	1565760	1585200	1483520	1600216	5.365
8 delta-BHC	2476600	2713700	2782640	3106820	3083850	2832722	9.368
9 Chlordane(1)	+++++	+++++	73816	+++++	+++++	73816	0.000
(2)	+++++	+++++	129532	+++++	+++++	129532	0.000
(3)	+++++	+++++	264392	+++++	+++++	264392	0.000
(4)	+++++	+++++	197480	+++++	+++++	197480	0.000
10 Heptachlor	2296600	2285000	2208640	2292660	2314880	2279556	1.805
11 Aldrin	2055200	2175200	2159640	2376840	2381290	2229634	6.459
12 Heptachlor epoxide	2392400	2553700	2504560	2673220	2672530	2559282	4.651
13 gamma-Chlordane	2551800	2722500	2593280	2798360	2778950	2688978	4.123
14 alpha-Chlordane	2551200	2731600	2631680	2807160	2765510	2697430	3.868
15 Endosulfan I	2304600	2374000	2402200	2529040	2528420	2427652	4.073
16 4,4'-DDE	2412200	2641400	2605840	2922860	2913240	2699108	8.080
17 Dieldrin	2580400	2401600	2519160	2706600	2797930	2601138	5.981
18 Toxaphene(1)	+++++	+++++	30384	+++++	+++++	30384	0.000
(2)	+++++	+++++	41961	+++++	+++++	41961	0.000
(3)	+++++	+++++	30555	+++++	+++++	30555	0.000
(4)	+++++	+++++	33357	+++++	+++++	33357	0.000
19 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Endrin	2382400	2057500	2006920	2205400	2272470	2184938	7.053
21 4,4'-DDD	2238600	1964100	2005760	2128580	2166580	2100724	5.417

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Report Date : 01-Aug-2000 11:23

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STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2000 09:13
 End Cal Date : 31-JUL-2000 14:18
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
 Cal Date : 01-Aug-2000 11:22 MatkoL
 Curve Type : Average

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD
22 Endosulfan II	2091600	2208200	2155840	2365020	2419320	2247996	6.195
23 4,4'-DDT	1710400	1784800	1837040	1981180	2055720	1873828	7.575
24 Endrin aldehyde	1668800	1782700	1678520	1804700	1774320	1741808	3.633
25 Methoxychlor	838100	850850	847500	876290	873680	857284	1.965
26 Endosulfan sulfate	1625800	1739500	1704080	1853800	1880250	1760686	6.012
27 Endrin ketone	1646400	1762200	1740880	1889040	1898630	1787430	5.959
28 MIREX	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++
58 CHLOROBENZILATE	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 1 Tetrachloro-m-xylene	2927600	2881800	2666440	2636060	2445450	2711470	7.241
\$ 30 Decachlorobiphenyl	1345200	1363600	1293320	1269200	1204080	1295080	4.908

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

666 377

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: C0G270310
 GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 07/31/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 0845

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	15.11	15.05	15.15	0.02242	0.02500	-10.3
4,4'-DDT	15.75	15.70	15.80	0.02448	0.02500	-2.1

4,4'-DDT % breakdown (1): ~~4.17~~ ^{4.6} Endrin % breakdown (1): ~~9.01~~ ^{7.5}
 Combined % breakdown (1): ~~13.18~~ ^{12.1} DE 8300

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: **660 373** Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: C0G270310

GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____

Lab Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No. (PEM): _____ Date Analyzed : 08/01/00

Lab Sample ID (PEM): EVALB Time Analyzed : 0219

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	15.11	15.05	15.15	0.02192	0.02500	-12.3
4,4'-DDT	15.75	15.70	15.80	0.02467	0.02500	-1.3

4,4'-DDT % breakdown (1): ~~5.88~~ ^{6.3} Endrin % breakdown (1): ~~12.97~~ ^{10.7}

Combined % breakdown (1): ~~18.85~~ ^{17.0} *OK 8300*

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: _____ Contract: **668 379**
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4140-G
 GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 08/01/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 1338

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	15.10	15.04	15.14	0.02224	0.02500	-11.0
4,4'-DDT	15.74	15.69	15.79	0.02493	0.02500	-0.3

4,4'-DDT % breakdown (1): $\frac{4.0}{3.66}$ Endrin % breakdown (1): $\frac{9.6}{11.71}$
 Combined % breakdown (1): $\frac{15.37}{13.6}$ $\frac{0.2}{8.360}$

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Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5037.d
 Report Date: 01-Aug-2000 11:42

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 01:24
 Lab File ID: D-A5037.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
RRF	RFO	RRF	%D	%D
1 Tetrachloro-m-xylene	2711470	2745920	0.000	1.3
5 alpha-BHC	3163830	3245400	0.010	2.6
6 gamma-BHC (Lindane)	2871256	2919200	0.010	1.7
10 Heptachlor	2279556	2296960	0.010	0.8
15 Endosulfan I	2427652	2439240	0.010	0.5
17 Dieldrin	2601138	2583840	0.010	-0.7
20 Endrin	2184938	2075840	0.010	-5.0
21 4,4'-DDD	2100724	2028880	0.010	-3.4
23 4,4'-DDT	1873828	1839040	0.010	-1.9
25 Methoxychlor	857284	851040	0.010	-0.7
30 Decachlorobiphenyl	1295080	1336760	0.010	3.2

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5038.d
Report Date: 01-Aug-2000 11:42

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 01:51
Lab File ID: D-A5038.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:18
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RPO	MIN	MAX
			RRF	%D
11 Aldrin	2229634	2173240	0.010	-2.5
7 beta-BHC	1600216	1593440	0.010	-0.4
8 delta-BHC	2832722	2808440	0.010	-0.9
12 Heptachlor epoxide	2559282	2512320	0.010	-1.8
13 gamma-Chlordane	2688978	2645600	0.010	-1.6
14 alpha-Chlordane	2697430	2637440	0.010	-2.2
16 4,4'-DDE	2699108	2647880	0.010	-1.9
22 Endosulfan II	2247996	2183360	0.010	-2.9
24 Endrin aldehyde	1741808	1692240	0.010	-2.8
26 Endosulfan sulfate	1760686	1708520	0.010	-3.0
27 Endrin ketone	1787430	1753400	0.010	-1.9

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Data File: \\gpitpa02\d\chem\gc4.i\4310-G.b\D-A5060.d
 Report Date: 01-Aug-2000 16:35

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 12:42
 Lab File ID: D-A5060.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	2711470	2664360	0.000	-1.7 15.0
5 alpha-BHC	3163830	3159800	0.010	-0.1 15.0
6 gamma-BHC (Lindane)	2871256	2883400	0.010	0.4 15.0
10 Heptachlor	2279556	2242240	0.010	-1.6 15.0
15 Endosulfan I	2427652	2454240	0.010	1.1 15.0
17 Dieldrin	2601138	2592520	0.010	-0.3 15.0
20 Endrin	2184938	2061840	0.010	-5.6 15.0
21 4,4'-DDD	2100724	2092800	0.010	-0.4 15.0
23 4,4'-DDT	1873828	1805600	0.010	-3.6 15.0
25 Methoxychlor	857284	844080	0.010	-1.5 15.0
\$ 30 Decachlorobiphenyl	1295080	1327200	0.010	2.5 15.0

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Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5061.d
 Report Date: 01-Aug-2000 16:35

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 13:10
 Lab File ID: D-A5061.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDB Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN RRF	MAX %D	MAX %D
11 Aldrin	2229634	2174720	0.010	-2.5	15.0
7 beta-BHC	1600216	1592120	0.010	-0.5	15.0
8 delta-BHC	2832722	2788400	0.010	-1.6	15.0
12 Heptachlor epoxide	2559282	2524400	0.010	-1.4	15.0
13 gamma-Chlordane	2688978	2664960	0.010	-0.9	15.0
14 alpha-Chlordane	2697430	2687160	0.010	-0.4	15.0
16 4,4'-DDE	2699108	2654720	0.010	-1.6	15.0
22 Endosulfan II	2247996	2180360	0.010	-3.0	15.0
24 Endrin aldehyde	1741808	1704600	0.010	-2.1	15.0
26 Endosulfan sulfate	1760686	1727840	0.010	-1.9	15.0
27 Endrin ketone	1787430	1778880	0.010	-0.5	15.0

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Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5084.d
 Report Date: 02-Aug-2000 13:04

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 23:48
 Lab File ID: D-A5084.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	RRF	%D	MAX
-----	-----	-----	-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene	2711470	2589440	0.000	-4.5	15.0	
5 alpha-BHC	3163830	3165000	0.010	0.0	15.0	
6 gamma-BHC (Lindane)	2871256	2851680	0.010	-0.7	15.0	
10 Heptachlor	2279556	2254960	0.010	-1.1	15.0	
15 Endosulfan I	2427652	2430920	0.010	0.1	15.0	
17 Dieldrin	2601138	2540040	0.010	-2.3	15.0	
20 Endrin	2184938	2075800	0.010	-5.0	15.0	
21 4,4'-DDD	2100724	2161320	0.010	2.9	15.0	
23 4,4'-DDT	1873828	1730160	0.010	-7.7	15.0	
25 Methoxychlor	857284	812820	0.010	-5.2	15.0	
\$ 30 Decachlorobiphenyl	1295080	1308600	0.010	1.0	15.0	

Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5085.d
 Report Date: 02-Aug-2000 13:04

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 02-AUG-2000 00:16
 Lab File ID: D-A5085.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDB Quant Type: ESTD
 Method: \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX	
	RRF	%D	%D		
11 Aldrin	2229634	2178680	0.010	-2.3	15.0
7 beta-BHC	1600216	1582880	0.010	-1.1	15.0
8 delta-BHC	2832722	2790640	0.010	-1.5	15.0
12 Heptachlor epoxide	2559282	2492160	0.010	-2.6	15.0
13 gamma-Chlordane	2688978	2657840	0.010	-1.2	15.0
14 alpha-Chlordane	2697430	2663480	0.010	-1.3	15.0
16 4,4'-DDE	2699108	2724760	0.010	1.0	15.0
22 Endosulfan II	2247996	2240400	0.010	-0.3	15.0
24 Endrin aldehyde	1741808	1723360	0.010	-1.1	15.0
26 Endosulfan sulfate	1760686	1687920	0.010	-4.1	15.0
27 Endrin ketone	1787430	1743440	0.010	-2.5	15.0

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8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column: DB608

ID: 0.53

(mm)

Init. Calib. Date(s): 07/31/00 07/31/00

Instrument ID: GC4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 5.65			DCB: 21.79		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	EVALB	07/31/00	0845	5.66	21.81
02	MEDTOX	07/31/00	0913	5.65	21.79
03	MEDCHLOR	07/31/00	0941	5.65	21.79
04	LOWA	07/31/00	1008	5.64	21.79
05	MLOWA	07/31/00	1036	5.64	21.79
06	MEDA	07/31/00	1104	5.64	21.79
07	MHIGHA	07/31/00	1132	5.65	21.79
08	HIGHA	07/31/00	1159	5.64	21.79
09	LOWB	07/31/00	1227		
10	MLOWB	07/31/00	1255		
11	MEDB	07/31/00	1323		
12	MHIGHB	07/31/00	1350		
13	HIGHB	07/31/00	1418		
14	2ND A	07/31/00	1446	5.63	21.79
15	2ND B	07/31/00	1514		
16	EVALB	07/31/00	1541	5.64	21.79
17	MEDA	08/01/00	0124	5.65	21.82
18	MEDB	08/01/00	0151		
19	EVALB	08/01/00	0219	5.65	21.81
20	PBLKH DH1KH101	08/01/00	1038	5.65	21.77
21	LCSH DH1KH102	08/01/00	1147	5.65	21.79
22	LCDH DH1KH103	08/01/00	1214	5.63	21.77
23	MEDA	08/01/00	1242	5.64	21.78
24	MEDB	08/01/00	1310		
25	EVALB	08/01/00	1338	5.64	21.78
26	DF/S1/0208/I DGXL3103	08/01/00	1405	5.64	21.78
27	MEDA	08/01/00	2348	5.65	21.79
28	MEDB	08/02/00	0016		
29					
30					
31					
32					

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5001.d
Report Date: 01-Aug-2000 11:58

666 387

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5001.d
Lab Smp Id: EVALB
Inj Date : 31-JUL-2000 08:45
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.660	5.640	0.020	50461	0.01861	0.01861(R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	15.106	15.100	0.006	48982	0.02242	0.02242
21 4,4'-DDD	15.246	15.240	0.006	2190	0.00104	0.001042
23 4,4'-DDT	15.753	15.746	0.007	45862	0.02448	0.02448
24 Endrin aldehyde	15.966	15.953	0.013	1990	0.00114	0.001142
27 Endrin ketone	17.973	17.953	0.020	1983	0.00111	0.001109
\$ 30 Decachlorobiphenyl	21.806	21.793	0.013	25083	0.01937	0.01937(R)

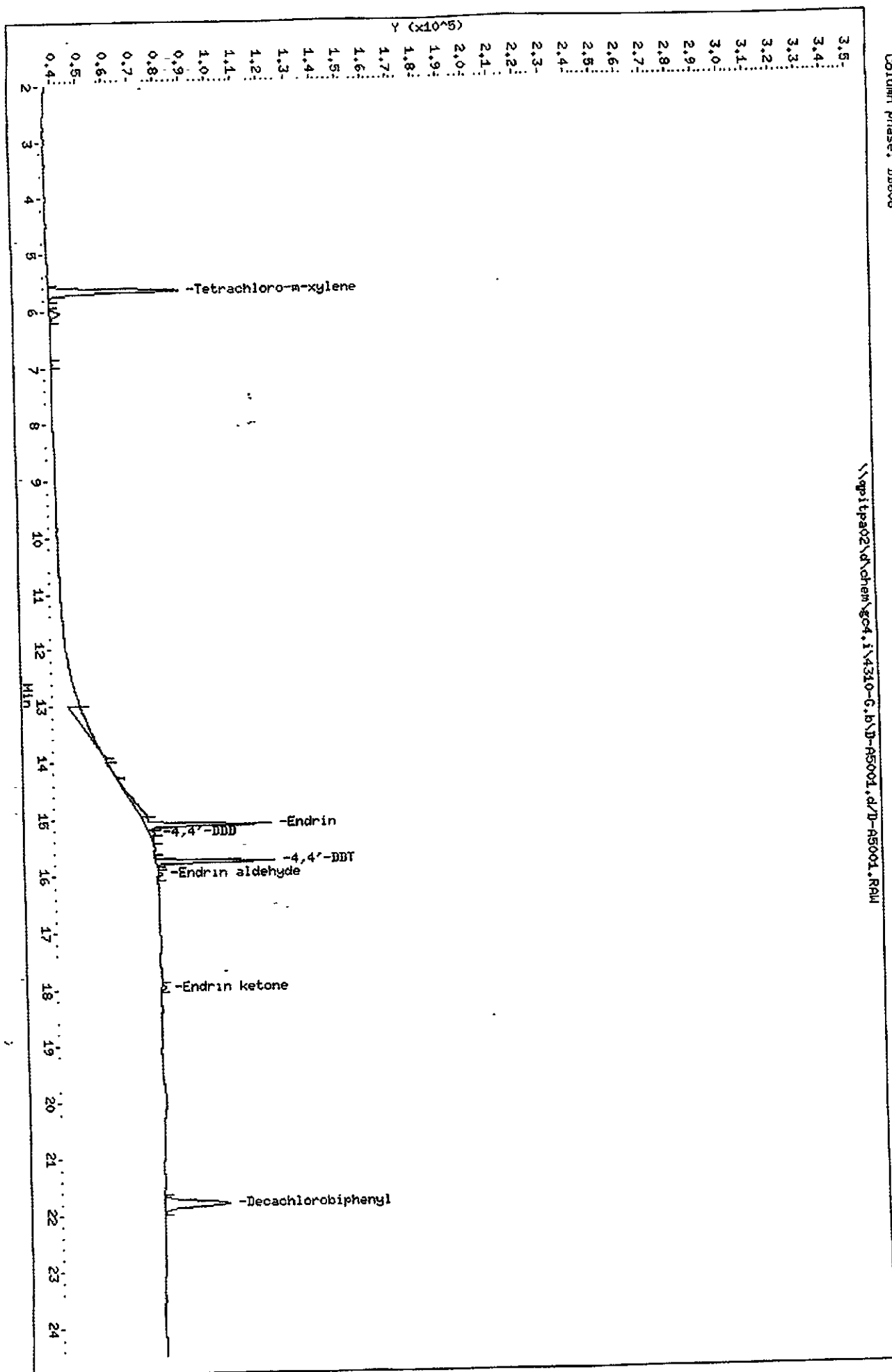
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

DDT = 4.6
Endrin = 7.5

Data File: \\pittpa02\chem\gc4.i\4310-G.b\D-A5001.d
 Date: 31-JUL-2000 08:45
 Client ID:
 Sample Info: EVALB,4310-G.b,EVALBR,sub,3,1
 Column phase: DB608

Instrument: gc4.i
 Operator: 1891
 Column diameter: 0.53



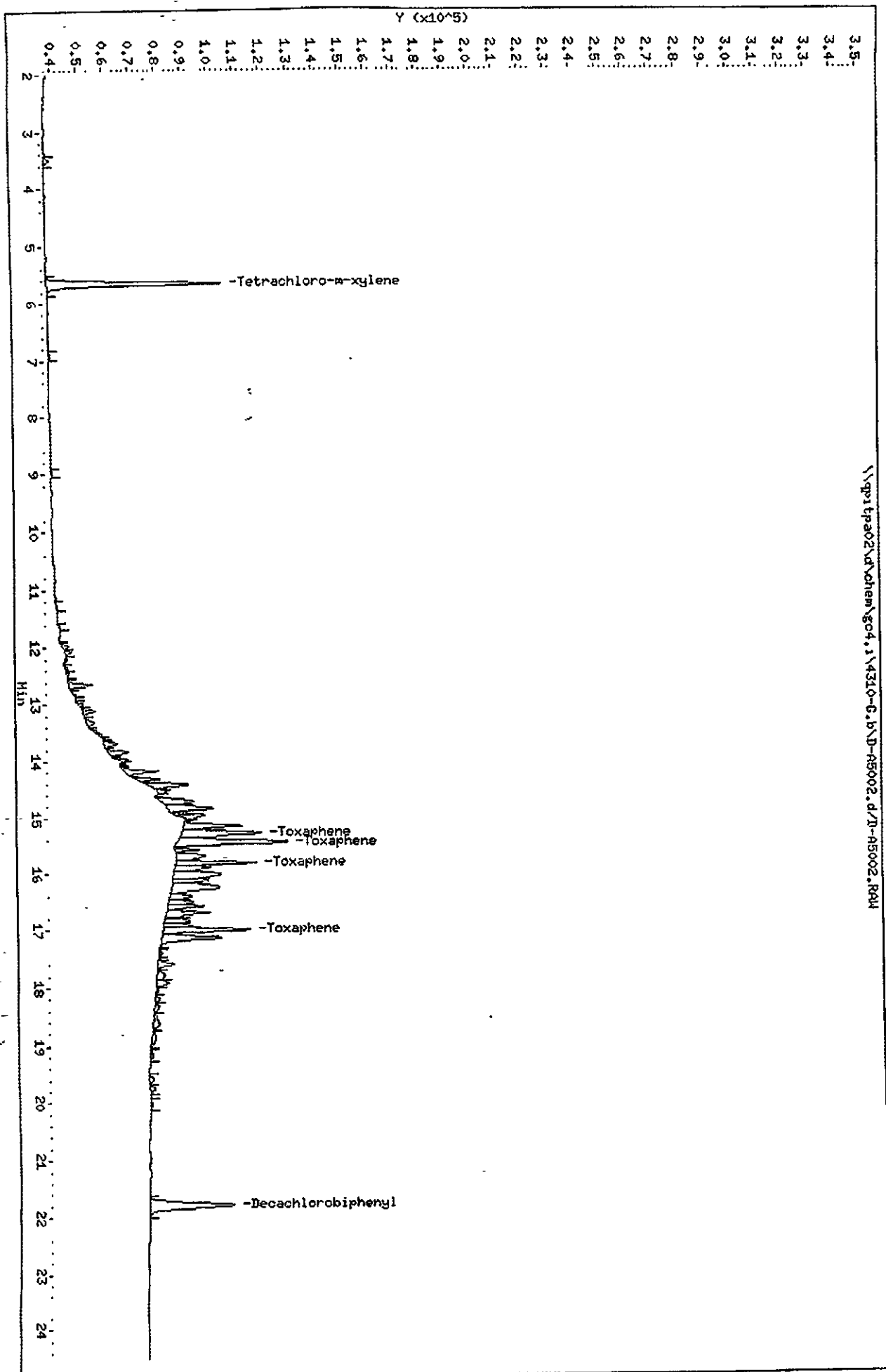
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5002.d
Lab Smp Id: MEDTOX
Inj Date : 31-JUL-2000 09:13
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDTOX,4310-G.b,,1-TOX.sub,,1,3
Misc Info : 190-84-13
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 09:13 Cal File: D-A5002.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
18 Toxaphene	15.273	15.273	0.000	30384	1.00000	1.000
\$ 1 Tetrachloro-m-xylene	5.646	5.640	0.006	67100	0.02500	0.02500
\$ 30 Decachlorobiphenyl	21.786	21.793	-0.007	32173	0.02500	0.02500

Data File: \\p1tpa02\volchem\gc4,1\4310-G.b\D-A5002.d
Date: 31-JUL-2000 09:13
Client ID:
Sample Info: HEDTOX, 4310-G.b, 1-TOX.sub, 1, 3
Column phase: DB608

Instrument: gc4,1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

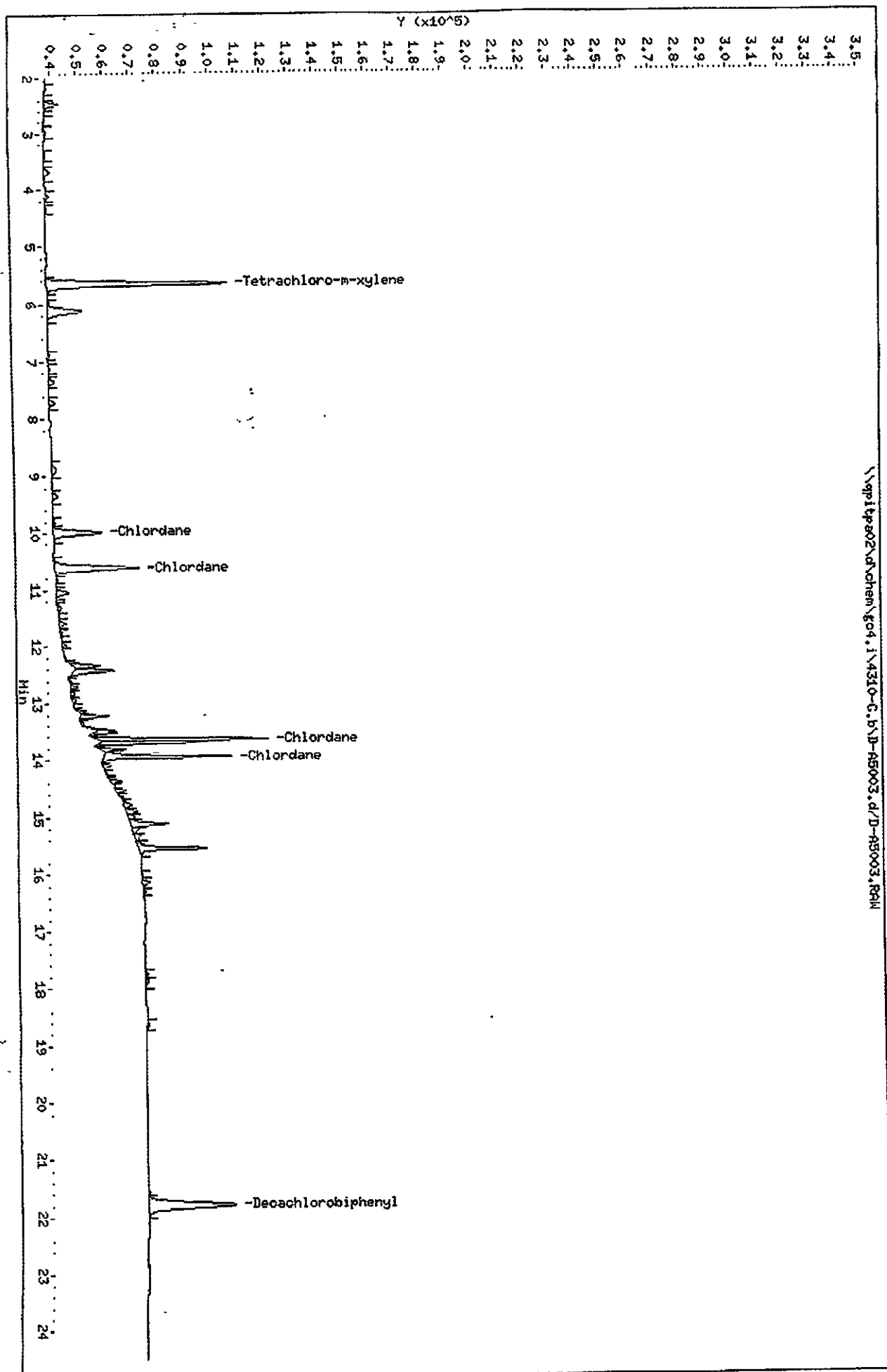
Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5003.d
Lab Smp Id: MEDCHLOR
Inj Date : 31-JUL-2000 09:41
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDCHLOR,4310-G.b,,2-CHLO.sub,,1,3
Misc Info : 190-85-10
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 09:41 Cal File: D-A5003.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-CHLO.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	22	*****	*****	*****	*****	*****
9 Chlordane	9.986	9.986	0.000	18454	0.25000	0.2500
\$ 1 Tetrachloro-m-xylene	5.646	5.640	0.006	68610	0.02500	0.02500
\$ 30 Decachlorobiphenyl	21.786	21.793	-0.007	33530	0.02500	0.02500

666 392

Data File: \\npitpa02\chem\g04.i\4310-G.b\D-A5003.d
Date: 31-JUL-2000 09:41
Client ID:
Sample Info: HEDCHLDR,4310-G.b,2-CHL.D.sub,1,3
Column phase: DB608

Instrument: g04.i
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5004.d
Report Date: 01-Aug-2000 11:59

666 393

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5004.d
Lab Smp Id: LOWA
Inj Date : 31-JUL-2000 10:08
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWA,4310-G.b,,3-INDA.sub,,1,1
Misc Info : 190-84-1
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC044

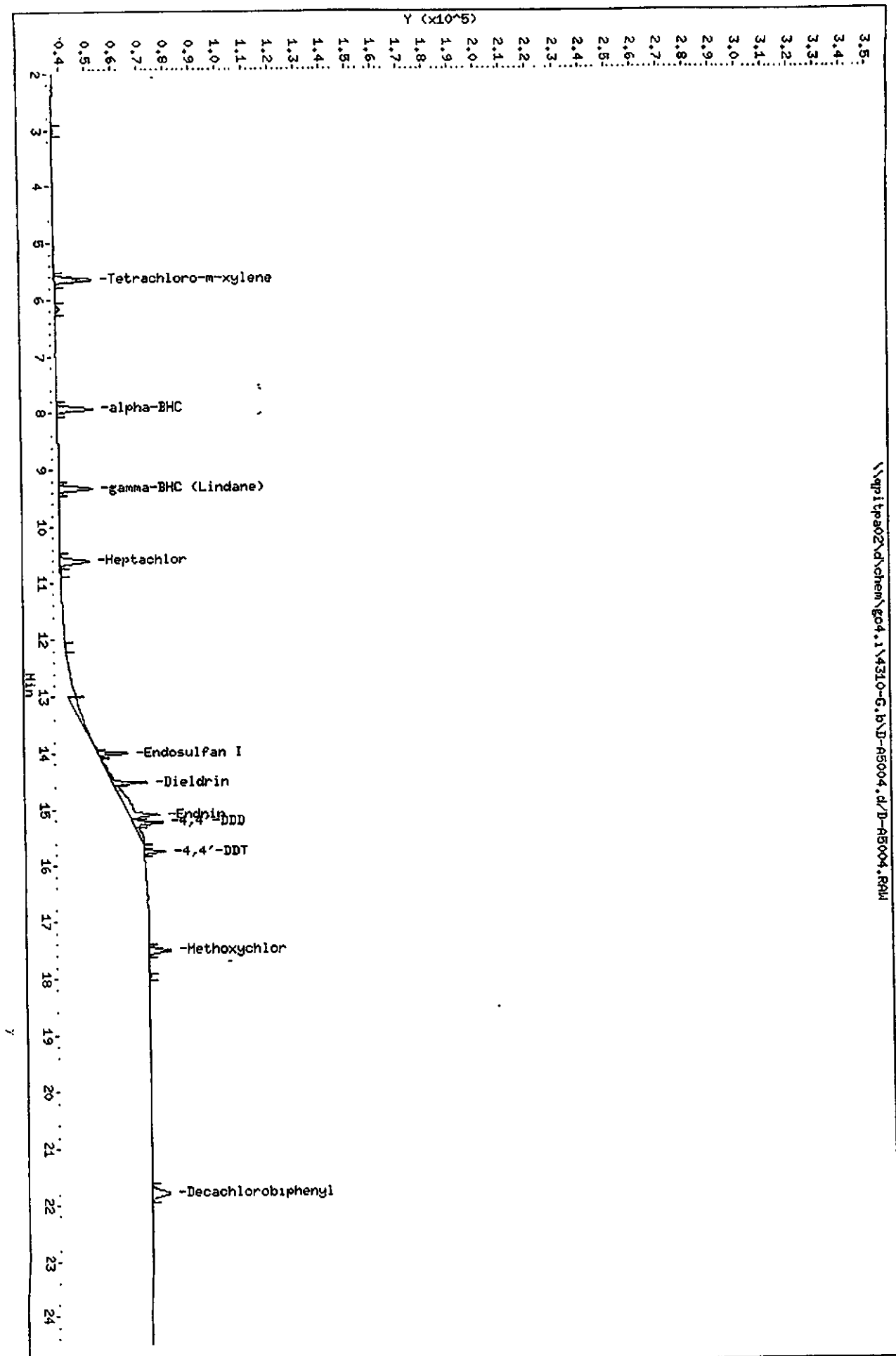
AMOUNTS						
				CAL-AMT	ON-COL	
				(ng)	(ng)	
Compounds	RT	EXP RT	DLT RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	14638	0.00500	0.005233
5 alpha-BHC	7.926	7.926	0.000	14331	0.00500	0.004769
6 gamma-BHC (Lindane)	9.326	9.333	-0.007	13499	0.00500	0.004857
10 Heptachlor	10.606	10.606	0.000	11483	0.00500	0.005098
15 Endosulfan I	13.993	13.993	0.000	11523	0.00500	0.004896
17 Dieldrin	14.520	14.520	0.000	12902	0.00500	0.005060
20 Endrin	15.100	15.100	0.000	11912	0.00500	0.005428
21 4,4'-DDD	15.233	15.240	-0.007	11193	0.00500	0.005274
23 4,4'-DDT	15.740	15.746	-0.006	8552	0.00500	0.004822
25 Methoxychlor	17.506	17.506	0.000	8381	0.01000	0.009944
\$ 30 Decachlorobiphenyl	21.786	21.793	-0.007	6726	0.00500	0.005098

666 394

Data File: \\ppitpa02\chem\gc04.1\4310-G.b.D-05004.d
Date: 31-JUL-2000 10:08
Client ID:
Sample Info: L0H4,4310-G.b.,3-IND6,sub,1,1
Column phase: DB608

Instrument: gc04.i
Operator: 1891
Column diameter: 0.53

\\ppitpa02\chem\gc04.1\4310-G.b.D-05004.d\B-05004.RAW



STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5005.d
Lab Smp Id: MLOWA
Inj Date : 31-JUL-2000 10:36
Operator : 1891 Inst ID: gc4.i
Smp Info : MLOWA,4310-G.b,,3-INDA.sub,,1,2
Misc Info : 190-84-2
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	28818	0.01000	0.01020
5 alpha-BHC	7.926	7.926	0.000	30124	0.01000	0.01002
6 gamma-BHC (Lindane)	9.326	9.333	-0.007	27872	0.01000	0.01002
10 Heptachlor	10.606	10.606	0.000	22850	0.01000	0.01010
15 Endosulfan I	13.993	13.993	0.000	23740	0.01000	0.01006
17 Dieldrin	14.520	14.520	0.000	24016	0.01000	0.009605
20 Endrin	15.100	15.100	0.000	20575	0.01000	0.009574
21 4,4'-DDD	15.240	15.240	0.000	19641	0.01000	0.009491
23 4,4'-DDT	15.746	15.746	0.000	17848	0.01000	0.01004
25 Methoxychlor	17.513	17.506	0.007	17017	0.02000	0.02013
\$ 30 Decachlorobiphenyl	21.793	21.793	0.000	13636	0.01000	0.01022

666 396

Date File: \\pittpa02\chem\gc4.1\4310-G.b\B-A5005.d
Date: 31-JUL-2000 10:36

Client ID:

Sample Info: HL040,4310-G.b,,3-INDA.sub,1,2

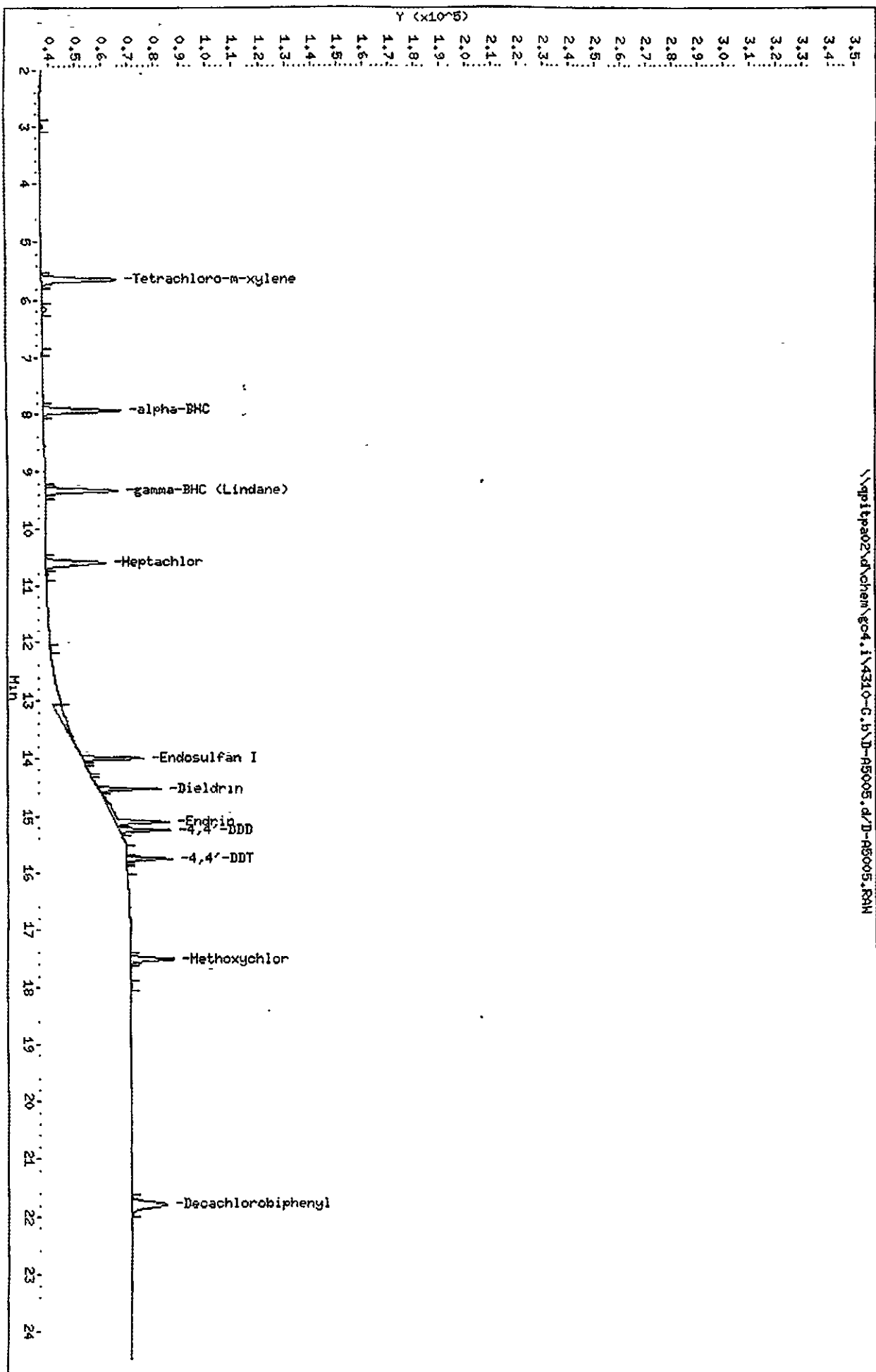
Column phase: DB608

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53

\\pittpa02\chem\gc4.1\4310-G.b\B-A5005.d\B-A5005.RAW



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5006.d
Report Date: 01-Aug-2000 11:59

666 397

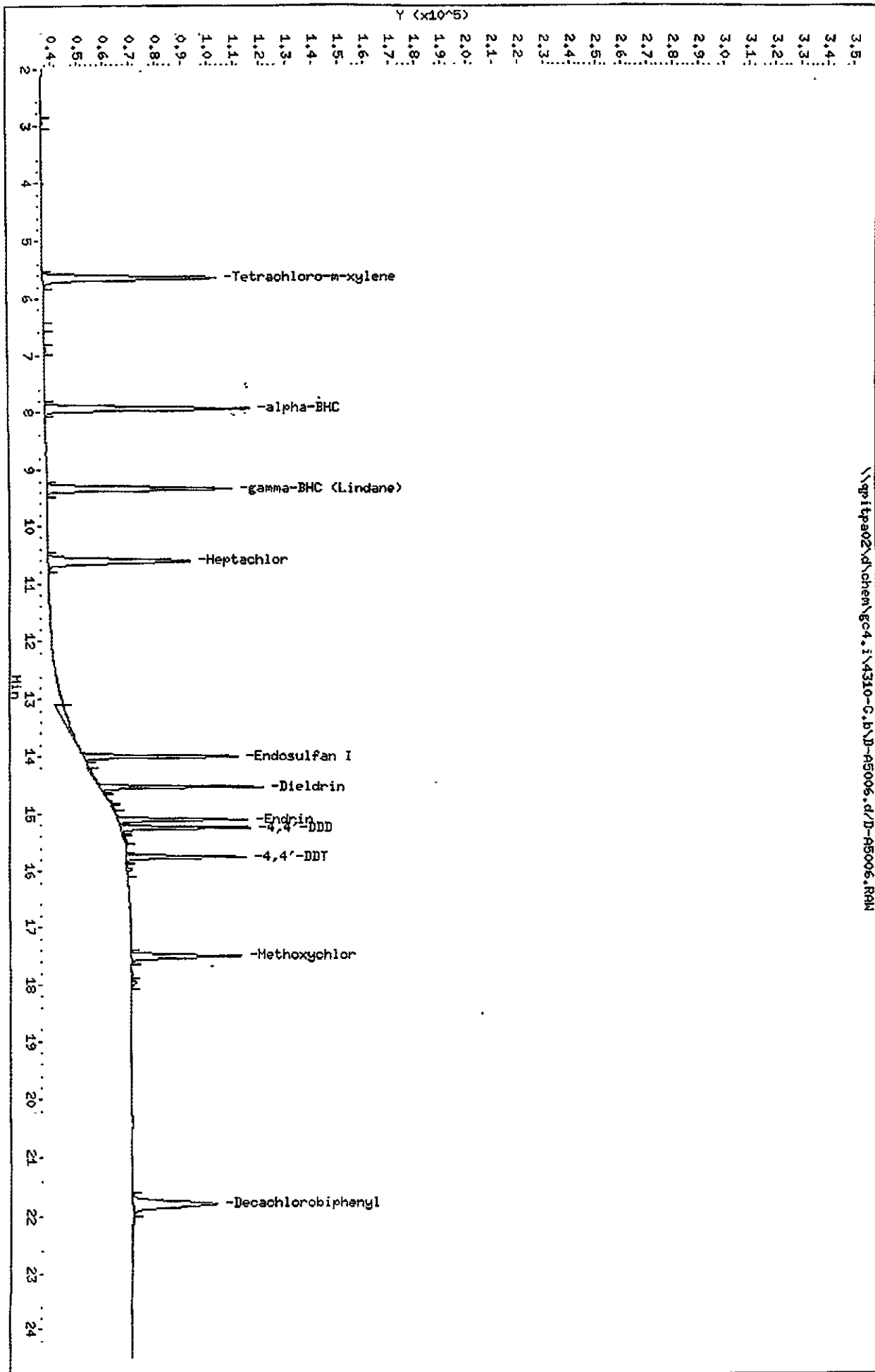
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5006.d
Lab Smp Id: MEDA
Inj Date : 31-JUL-2000 11:04
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA, 4310-G.b, , 3-INDA.sub, , 1, 3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 11:04 Cal File: D-A5006.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC044

AMOUNTS						
Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	66661	0.02500	0.02500
5 alpha-BHC	7.926	7.926	0.000	78593	0.02500	0.02500
6 gamma-BHC (Lindane)	9.333	9.333	0.000	71464	0.02500	0.02500
10 Heptachlor	10.606	10.606	0.000	55216	0.02500	0.02500
15 Endosulfan I	13.993	13.993	0.000	60055	0.02500	0.02500
17 Dieldrin	14.520	14.520	0.000	62979	0.02500	0.02500
20 Endrin	15.100	15.100	0.000	50173	0.02500	0.02500
21 4,4'-DDD	15.240	15.240	0.000	50144	0.02500	0.02500
23 4,4'-DDT	15.746	15.746	0.000	45926	0.02500	0.02500
25 Methoxychlor	17.506	17.506	0.000	42375	0.05000	0.05000
\$ 30 Decachlorobiphenyl	21.793	21.793	0.000	32333	0.02500	0.02500

Data File: \\pptipa02\chem\gc4.i\4310-G.b\B-A5006.d
 Date: 31-JUL-2000 11:04
 Client ID:
 Sample Info: HED9,4310-G.b,,3-IND9,sub,1,3
 Column phase: DB608

Instrument: gc4.i
 Operator: 1891
 Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5007.d
Report Date: 01-Aug-2000 11:59

666 399

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5007.d
Lab Smp Id: MHIGHA
Inj Date : 31-JUL-2000 11:32
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHA,4310-G.b,,3-INDA.sub,,1,4
Misc Info : 190-84-4
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC044

AMOUNTS						
Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL
					(ng)	(ng)
*****	==	=====	=====	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.646	5.640	0.006	131803	0.05000	0.04744
5 alpha-BHC	7.926	7.926	0.000	169870	0.05000	0.05471
6 gamma-BHC (Lindane)	9.333	9.333	0.000	150737	0.05000	0.05308
10 Heptachlor	10.613	10.606	0.007	114633	0.05000	0.05048
15 Endosulfan I	13.993	13.993	0.000	126452	0.05000	0.05263
17 Dieldrin	14.520	14.520	0.000	135330	0.05000	0.05303
20 Endrin	15.100	15.100	0.000	110270	0.05000	0.05098
21 4,4'-DDD	15.240	15.240	0.000	106429	0.05000	0.05106
23 4,4'-DDT	15.746	15.746	0.000	99059	0.05000	0.05418
25 Methoxychlor	17.506	17.506	0.000	87629	0.10000	0.1027
\$ 30 Decachlorobiphenyl	21.786	21.793	-0.007	63460	0.05000	0.04815

666 400

Data File: \\pittpa02\chem\g04.1\4310-G.b\B-A5007.d

Date: 34-JUL-2000 11:32

Client ID:

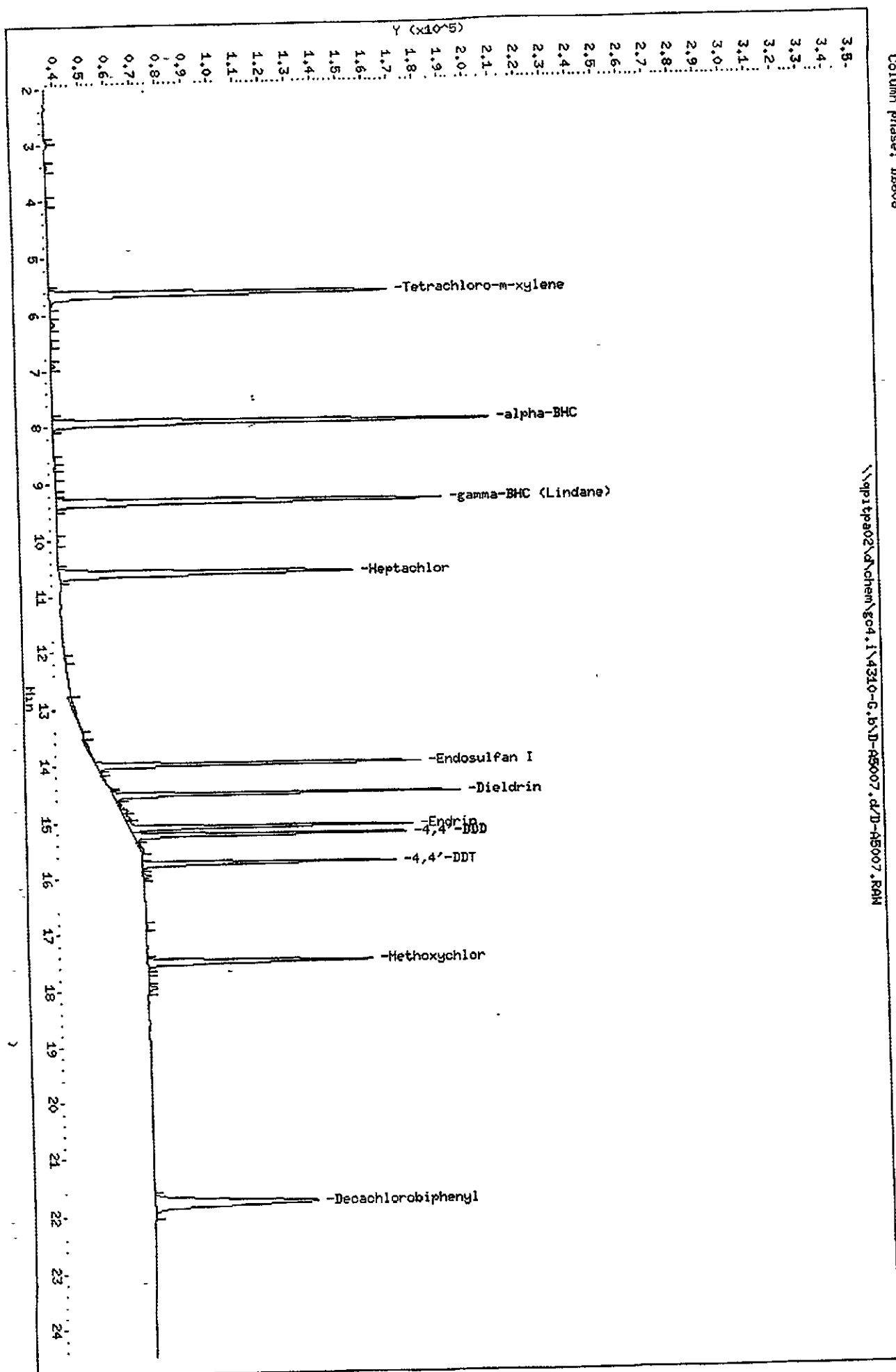
Sample Info: MHICHA, 4310-G.b, 3-INDA, sub, 1.4

Column phase: DB608

Instrument: g04.1

Operator: 1891

Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5008.d
Report Date: 01-Aug-2000 12:00

666 401

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5008.d
Lab Smp Id: HIGHA
Inj Date : 31-JUL-2000 11:59
Operator : 1891
Smp Info : HIGHA,4310-G.b,,3-INDA.sub,,1,5
Misc Info : 190-84-5
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL
Cal Date : 31-JUL-2000 13:23
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC044
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-A5011.d
Calibration Sample, Level: 5
Compound Sublist: 3-INDA.sub

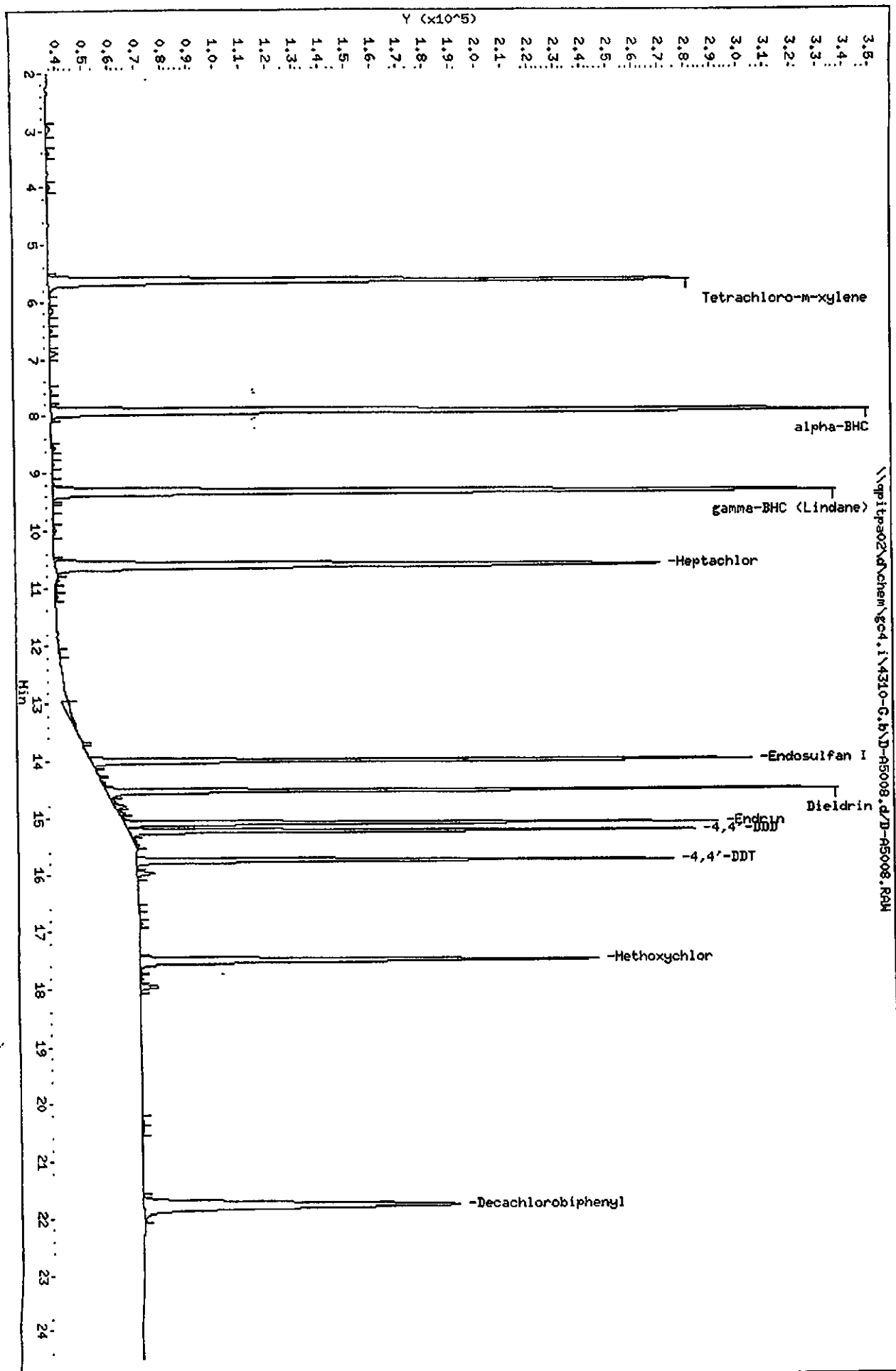
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
§ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	244545	0.10000	0.09019
5 alpha-BHC	7.926	7.926	0.000	339943	0.10000	0.1074(A)
6 gamma-BHC (Lindane)	9.326	9.333	-0.007	299598	0.10000	0.1043(A)
10 Heptachlor	10.606	10.606	0.000	231488	0.10000	0.1015(A)
15 Endosulfan I	13.993	13.993	0.000	252842	0.10000	0.1042(A)
17 Dieldrin	14.520	14.520	0.000	279793	0.10000	0.1076(A)
20 Endrin	15.100	15.100	0.000	227247	0.10000	0.1040(A)
21 4,4'-DDD	15.240	15.240	0.000	216658	0.10000	0.1031(A)
23 4,4'-DDT	15.740	15.746	-0.006	205572	0.10000	0.1097(A)
25 Methoxychlor	17.506	17.506	0.000	174736	0.20000	0.2038(A)
§ 30 Decachlorobiphenyl	21.786	21.793	-0.007	120408	0.10000	0.09297

QC Flag Legend

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

Data File: \\qptipa02\chem\gc4.i\4310-G.b\D-A5008.d
Date: 31-JUL-2000 11:59
Client ID:
Sample Info: HICHA, 4310-G.b, 3-INDA.sub, 1,5
Column phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5009.d
Report Date: 01-Aug-2000 12:00

666 493

STL Pittsburgh

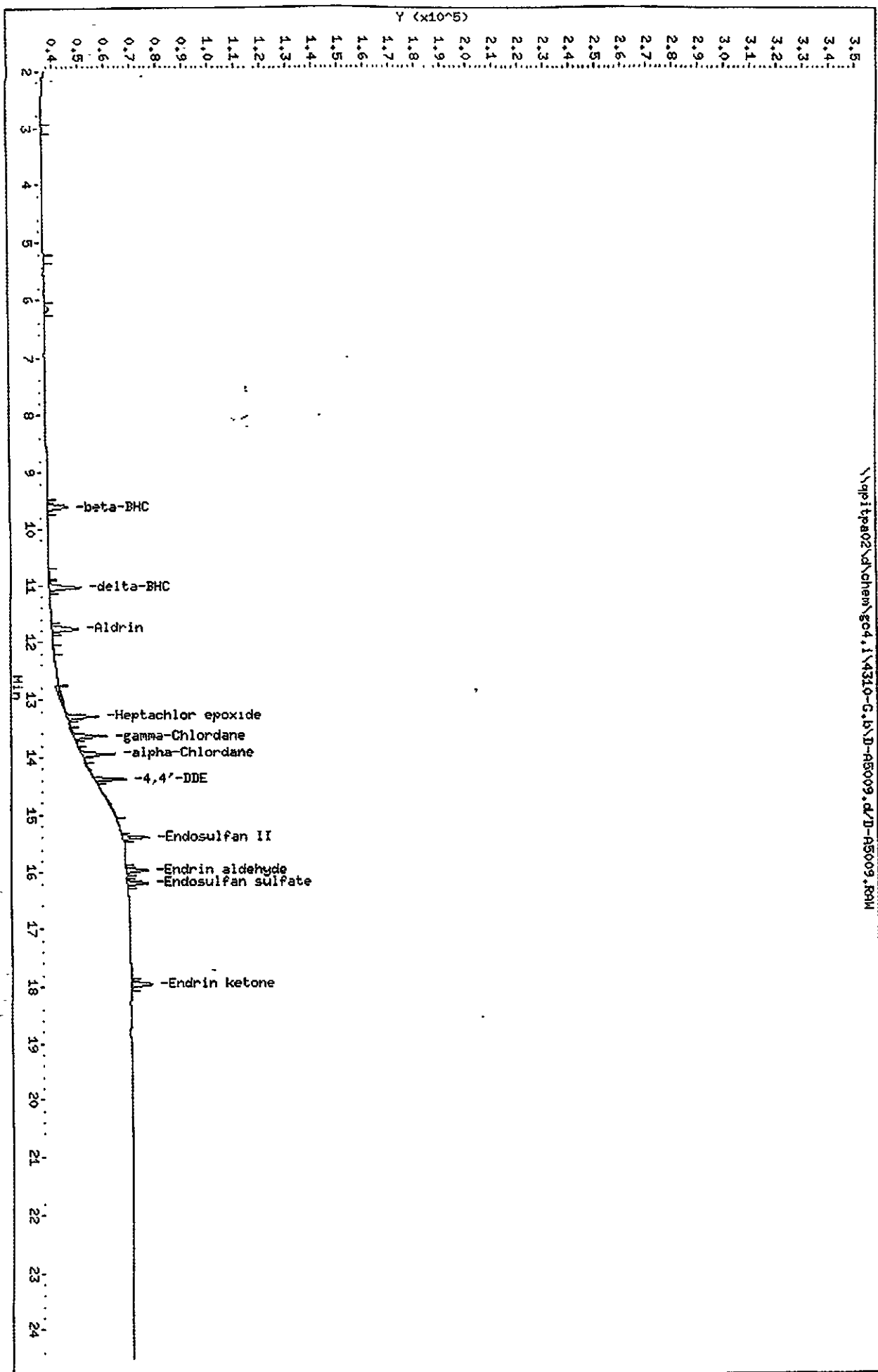
Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5009.d
Lab Smp Id: LOWB
Inj Date : 31-JUL-2000 12:27
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWB,4310-G.b,,4-INDB.sub,,1,1
Misc Info : 190-84-7
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.760	11.766	-0.006	10276	0.00500	0.004876
7 beta-BHC	9.606	9.606	0.000	8327	0.00500	0.005154
8 delta-BHC	11.040	11.040	0.000	12383	0.00500	0.004709
12 Heptachlor epoxide	13.293	13.293	0.000	11962	0.00500	0.004885
13 gamma-Chlordane	13.633	13.633	0.000	12759	0.00500	0.004960
14 alpha-Chlordane	13.940	13.940	0.000	12756	0.00500	0.004922
16 4,4'-DDE	14.380	14.380	0.000	12061	0.00500	0.004807
22 Endosulfan II	15.386	15.386	0.000	10458	0.00500	0.004924
24 Endrin aldehyde	15.960	15.953	0.007	8344	0.00500	0.004985
26 Endosulfan sulfate	16.186	16.186	0.000	8129	0.00500	0.004882
27 Endrin ketone	17.953	17.953	0.000	8232	0.00500	0.004860

666 404

Data File: \\qpi1p802\chem\gc4.1\4310-G.b\D-A5009.d
Date: 31-JUL-2000 12:27
Client ID:
Sample Info: LONB,4310-G.b,4-INDB.sub,1,1
Column phase: DB608

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5010.d
Report Date: 01-Aug-2000 12:00

666 405

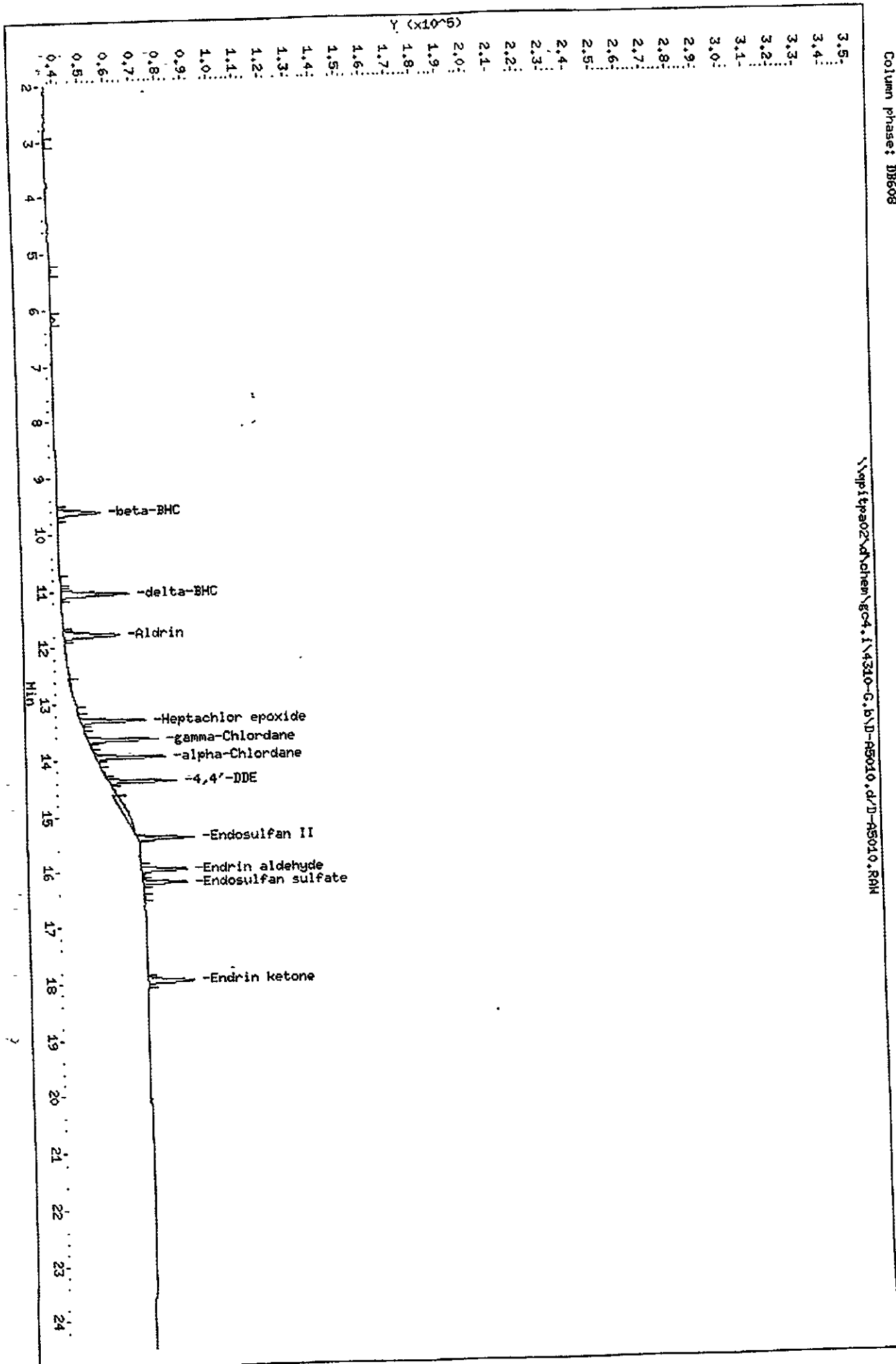
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5010.d
Lab Smp Id: MLOWB
Inj Date : 31-JUL-2000 12:55
Operator : 1891 Inst ID: gc4.i
Smp Info : MLOWB, 4310-G.b, , 4-INDB.sub, , 1, 2
Misc Info : 190-84-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.773	11.766	0.007	21752	0.01000	0.01021
7 beta-BHC	9.620	9.606	0.014	17012	0.01000	0.01035
8 delta-BHC	11.053	11.040	0.013	27137	0.01000	0.01021
12 Heptachlor epoxide	13.300	13.293	0.007	25537	0.01000	0.01028
13 gamma-Chlordane	13.640	13.633	0.007	27225	0.01000	0.01038
14 alpha-Chlordane	13.946	13.940	0.006	27316	0.01000	0.01035
16 4,4'-DDE	14.380	14.380	0.000	26414	0.01000	0.01034
22 Endosulfan II	15.393	15.386	0.007	22082	0.01000	0.01026
24 Endrin aldehyde	15.960	15.953	0.007	17827	0.01000	0.01042
26 Endosulfan sulfate	16.193	16.186	0.007	17395	0.01000	0.01029
27 Endrin ketone	17.960	17.953	0.007	17622	0.01000	0.01027

Data File: \\p1tpa02\chem\gc4.1\4310-G.b\D-A5010.d
Date: 31-JUL-2000 12:55
Client ID:
Sample Info: HCLMB,4310-G.b,4-INDB.sub,1,2
Column phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5011.d
 Report Date: 01-Aug-2000 12:00

666 407

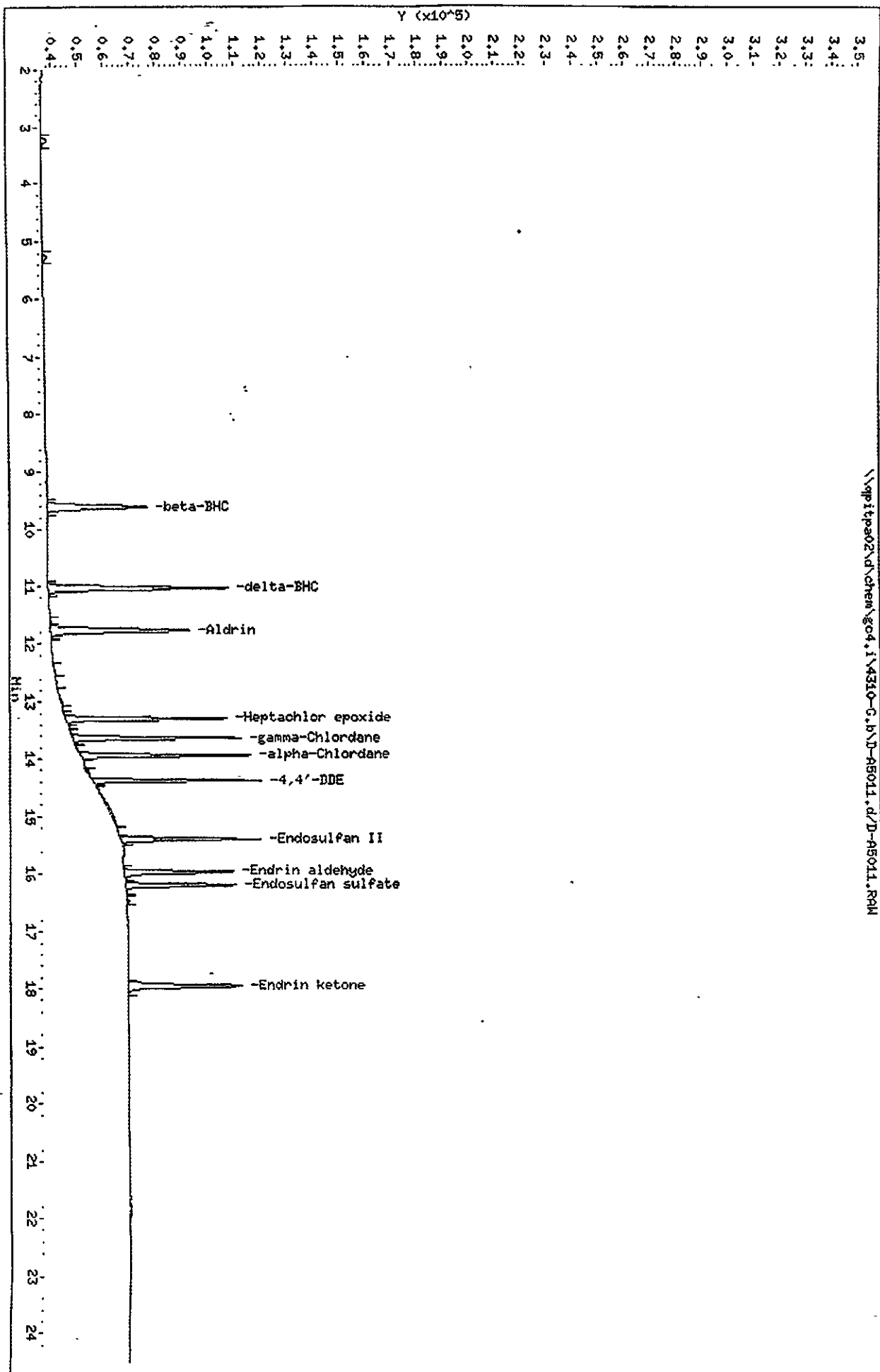
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5011.d
 Lab Smp Id: MEDB
 Inj Date : 31-JUL-2000 13:23
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDB,4310-G.b,,4-INDB.sub,,1,3
 Misc Info : 190-84-9
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
 Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
 Cal Date : 31-JUL-2000 13:23 Cal File: D-A5011.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4-INDB.sub
 Target Version: 4.04
 Processing Host: PITPC044

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.766	11.766	0.000	53991	0.02500	0.02500
7 beta-BHC	9.606	9.606	0.000	39144	0.02500	0.02500
8 delta-BHC	11.040	11.040	0.000	69566	0.02500	0.02500
12 Heptachlor epoxide	13.293	13.293	0.000	62614	0.02500	0.02500
13 gamma-Chlordane	13.633	13.633	0.000	64832	0.02500	0.02500
14 alpha-Chlordane	13.940	13.940	0.000	65792	0.02500	0.02500
16 4,4'-DDE	14.380	14.380	0.000	65146	0.02500	0.02500
22 Endosulfan II	15.386	15.386	0.000	53896	0.02500	0.02500
24 Endrin aldehyde	15.953	15.953	0.000	41963	0.02500	0.02500
26 Endosulfan sulfate	16.186	16.186	0.000	42602	0.02500	0.02500
27 Endrin ketone	17.953	17.953	0.000	43522	0.02500	0.02500

Data File: \\ppitpa02\chem\gc04.1\4310-G.b\D-A5011.d
Date: 31-JUL-2000 13:23
Client ID:
Sample Info: HEDB,4310-G.b,4-INDB,sub,1,3
Column phase: DB608

Instrument: gc04.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

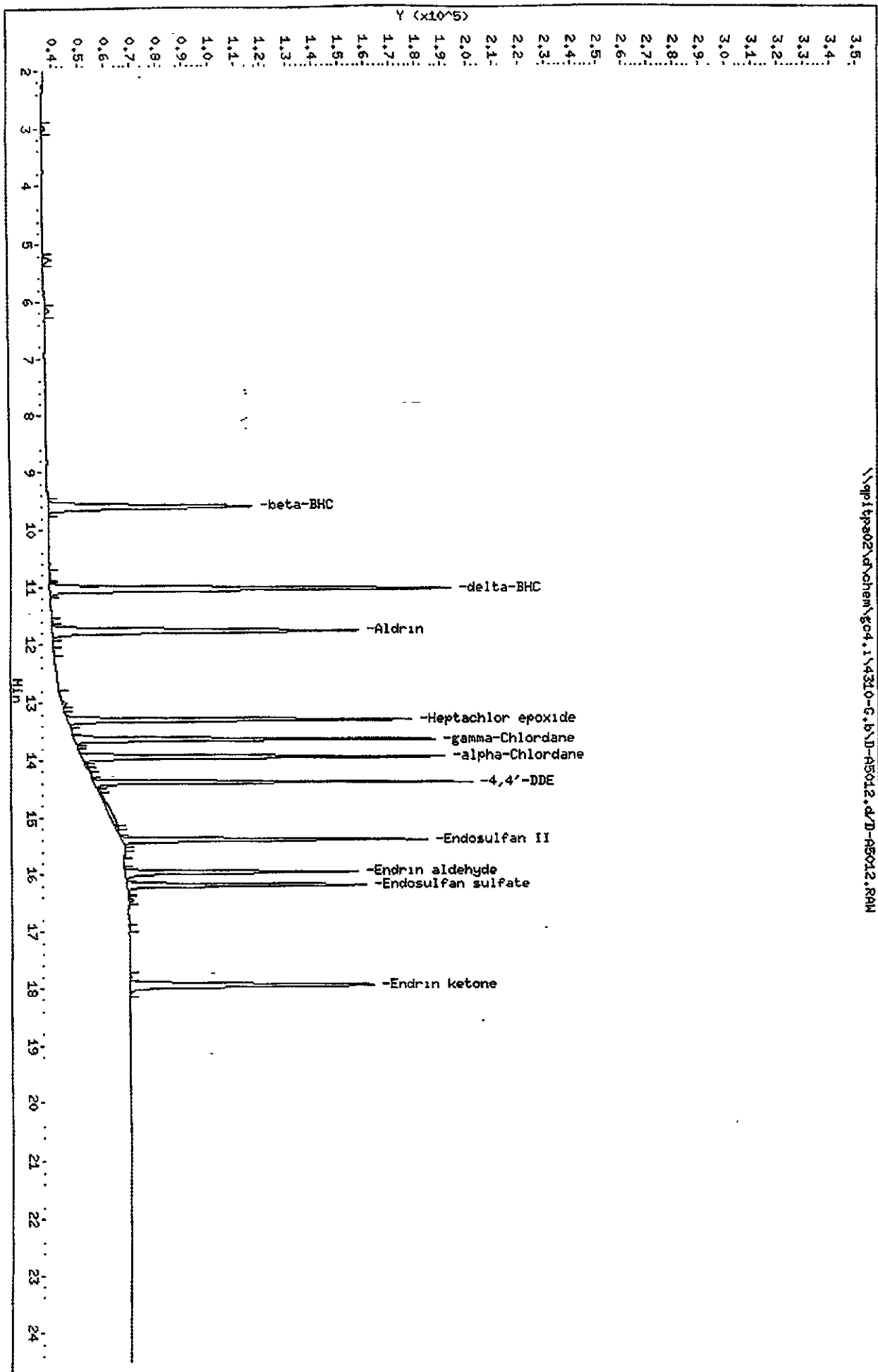
Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-A5012.d
Lab Smp Id: MHIGHB
Inj Date : 31-JUL-2000 13:50
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHB,4310-G.b,,4-INDB.sub,,1,4
Misc Info : 190-84-10
Comment :
Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 13:50 Cal File: D-A5012.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
11 Aldrin	11.760	11.766	-0.006	118842	0.05000	0.05422
7 beta-BHC	9.600	9.606	-0.006	79260	0.05000	0.04864
8 delta-BHC	11.033	11.040	-0.007	155341	0.05000	0.05608
12 Heptachlor epoxide	13.286	13.293	-0.007	133661	0.05000	0.05281
13 gamma-Chlordane	13.633	13.633	0.000	139918	0.05000	0.05247
14 alpha-Chlordane	13.940	13.940	0.000	140358	0.05000	0.05236
16 4,4'-DDE	14.373	14.380	-0.007	146143	0.05000	0.05524
22 Endosulfan II	15.386	15.386	0.000	118251	0.05000	0.05362
24 Endrin aldehyde	15.953	15.953	0.000	90235	0.05000	0.05205
26 Endosulfan sulfate	16.180	16.186	-0.006	92690	0.05000	0.05355
27 Endrin ketone	17.946	17.953	-0.007	94452	0.05000	0.05368

666 410

Data File: \\ap1tpa02\chem\gc4.1\4310-G.b.D-85012.d
Date: 31-JUL-2000 13:50
Client ID:
Sample Info: RHIGHB,4310-G.b.,4-INDB.sub.,1.4
Column Phase: DB608

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5013.d
Report Date: 01-Aug-2000 12:00

666 411

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5013.d
Lab Smp Id: HIGHB
Inj Date : 31-JUL-2000 14:18
Operator : 1891 Inst ID: gc4.i
Smp Info : HIGHB,4310-G.b,,4-INDB.sub,,1,5
Misc Info : 190-84-11
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.766	11.766	0.000	238129	0.10000	0.1068 (A)
7 beta-BHC	9.606	9.606	0.000	148352	0.10000	0.09271
8 delta-BHC	11.040	11.040	0.000	308385	0.10000	0.1089 (A)
12 Heptachlor epoxide	13.293	13.293	0.000	267253	0.10000	0.1044 (A)
13 gamma-Chlordane	13.633	13.633	0.000	277895	0.10000	0.1033 (A)
14 alpha-Chlordane	13.940	13.940	0.000	276551	0.10000	0.1025 (A)
16 4,4'-DDE	14.373	14.380	-0.007	291324	0.10000	0.1079 (A)
22 Endosulfan II	15.386	15.386	0.000	241932	0.10000	0.1076 (A)
24 Endrin aldehyde	15.953	15.953	0.000	177432	0.10000	0.1019 (A)
26 Endosulfan sulfate	16.186	16.186	0.000	188025	0.10000	0.1068 (A)
27 Endrin ketone	17.953	17.953	0.000	189863	0.10000	0.1062 (A)

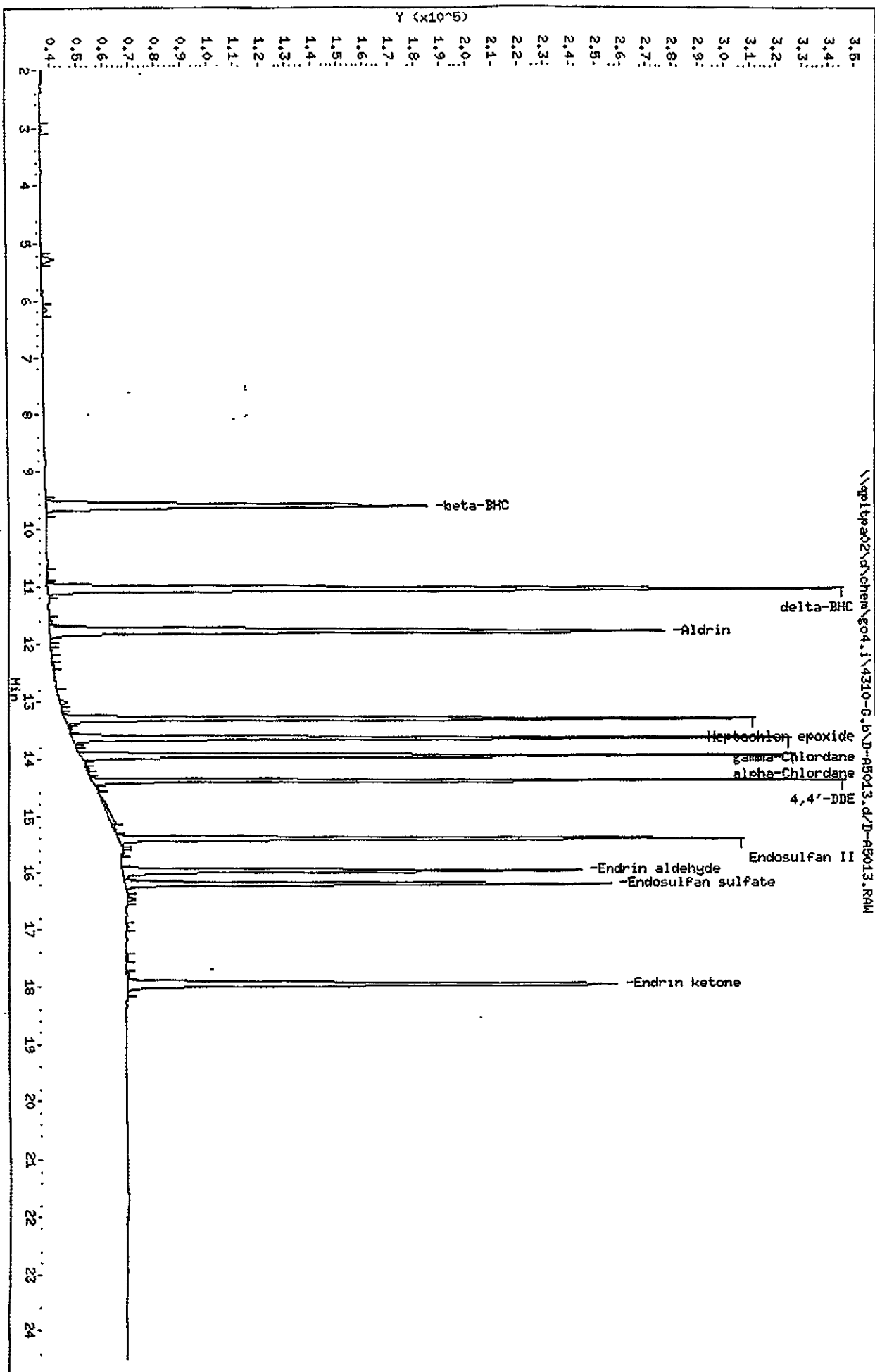
QC Flag Legend

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

666 412

Data File: \\pittpa02\chem\gc4.i\4310-G.b\D-45013.d
Date: 31-JUL-2000 14:18
Client ID:
Sample Info: HIGHB,4310-G.b,4-INDB.sub,1,5
Column phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5014.d
 Lab Smp Id: 2ND A
 Inj Date : 31-JUL-2000 14:46
 Operator : 1891
 Smp Info : 2ND A, 4310-G.b, , INDA.sub, , 2, 3
 Misc Info : 190-82-2
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
 Meth Date : 01-Aug-2000 11:42 MatkoL
 Cal Date : 31-JUL-2000 14:18
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC044

Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-A5013.d
 Continuing Calibration Sample
 Compound Sublist: INDA.sub

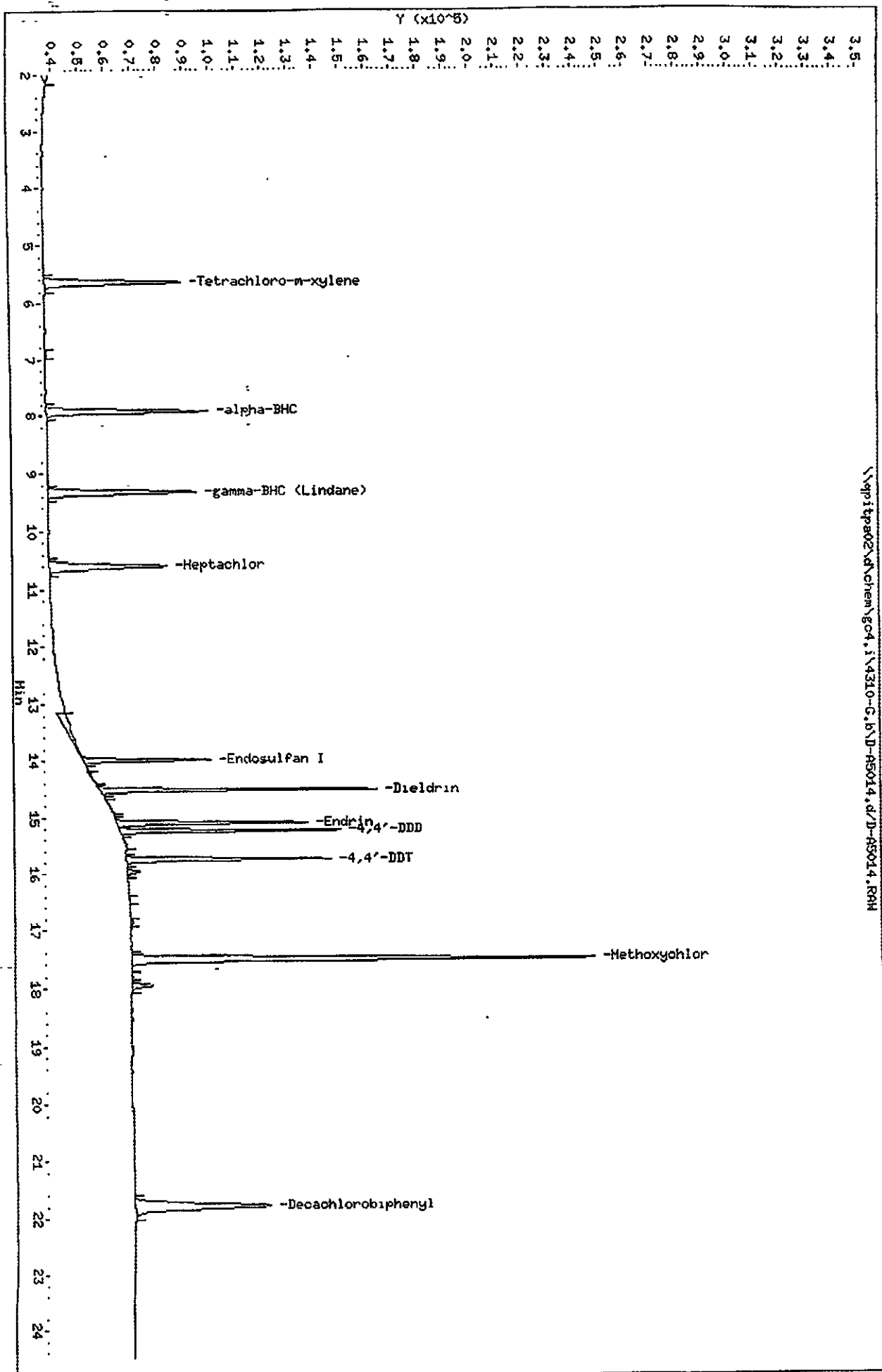
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-ANT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.633	5.640	-0.007	52343	0.02500	0.01930
5 alpha-BHC	7.920	7.926	-0.006	62381	0.02500	0.01972
6 gamma-BHC (Lindane)	9.326	9.333	-0.007	57154	0.02500	0.01990
10 Heptachlor	10.600	10.606	-0.006	45253	0.02500	0.01985
15 Endosulfan I	13.993	13.993	0.000	48870	0.02500	0.02013
17 Dieldrin	14.520	14.520	0.000	106902	0.02500	0.04110
20 Endrin	15.100	15.100	0.000	73898	0.02500	0.03382
21 4,4'-DDD	15.233	15.240	-0.007	85310	0.02500	0.04061
23 4,4'-DDT	15.740	15.746	-0.006	79302	0.02500	0.04232
25 Methoxychlor	17.506	17.506	0.000	179187	0.05000	0.2090 (A)
\$ 30 Decachlorobiphenyl	21.786	21.793	-0.007	52361	0.02500	0.04043

QC Flag Legend

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

Data File: \\pitts02\chem\g04.1\4310-G.b.D-85014.d
Date: 31-JUL-2000 14:46
Client ID:
Sample Info: 2ND 4,4310-G.b., INDA.sub., 2,3
Column phase: DB608

Instrument: g04.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-A5015.d
Lab Smp Id: 2ND B
Inj Date : 31-JUL-2000 15:14
Operator : 1891 Inst ID: gc4.i
Smp Info : 2ND B,4310-G.b,, INDB.sub,,2,3
Misc Info : 190-82-5
Comment :
Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	**	*****	*****	*****	*****	*****
11 Aldrin	11.766	11.766	0.000	41034	0.02500	0.01840
7 beta-BHC	9.606	9.606	0.000	30494	0.02500	0.01906
8 delta-BHC	11.040	11.040	0.000	50338	0.02500	0.01777
12 Heptachlor epoxide	13.293	13.293	0.000	48930	0.02500	0.01912
13 gamma-Chlordane	13.633	13.633	0.000	50223	0.02500	0.01868
14 alpha-Chlordane	13.940	13.940	0.000	51267	0.02500	0.01900
16 4,4'-DDE	14.380	14.380	0.000	105974	0.02500	0.03926
22 Endosulfan II	15.386	15.386	0.000	87945	0.02500	0.03912
24 Endrin aldehyde	15.960	15.953	0.007	65770	0.02500	0.03776
26 Endosulfan sulfate	16.186	16.186	0.000	68875	0.02500	0.03912
27 Endrin ketone	17.960	17.953	0.007	72070	0.02500	0.04032

666 416

Data File: \\pittpa02\chem\gc04.i\4310-G.b\D-A5015.d
Date: 31-JUL-2000 15:14

Client ID:

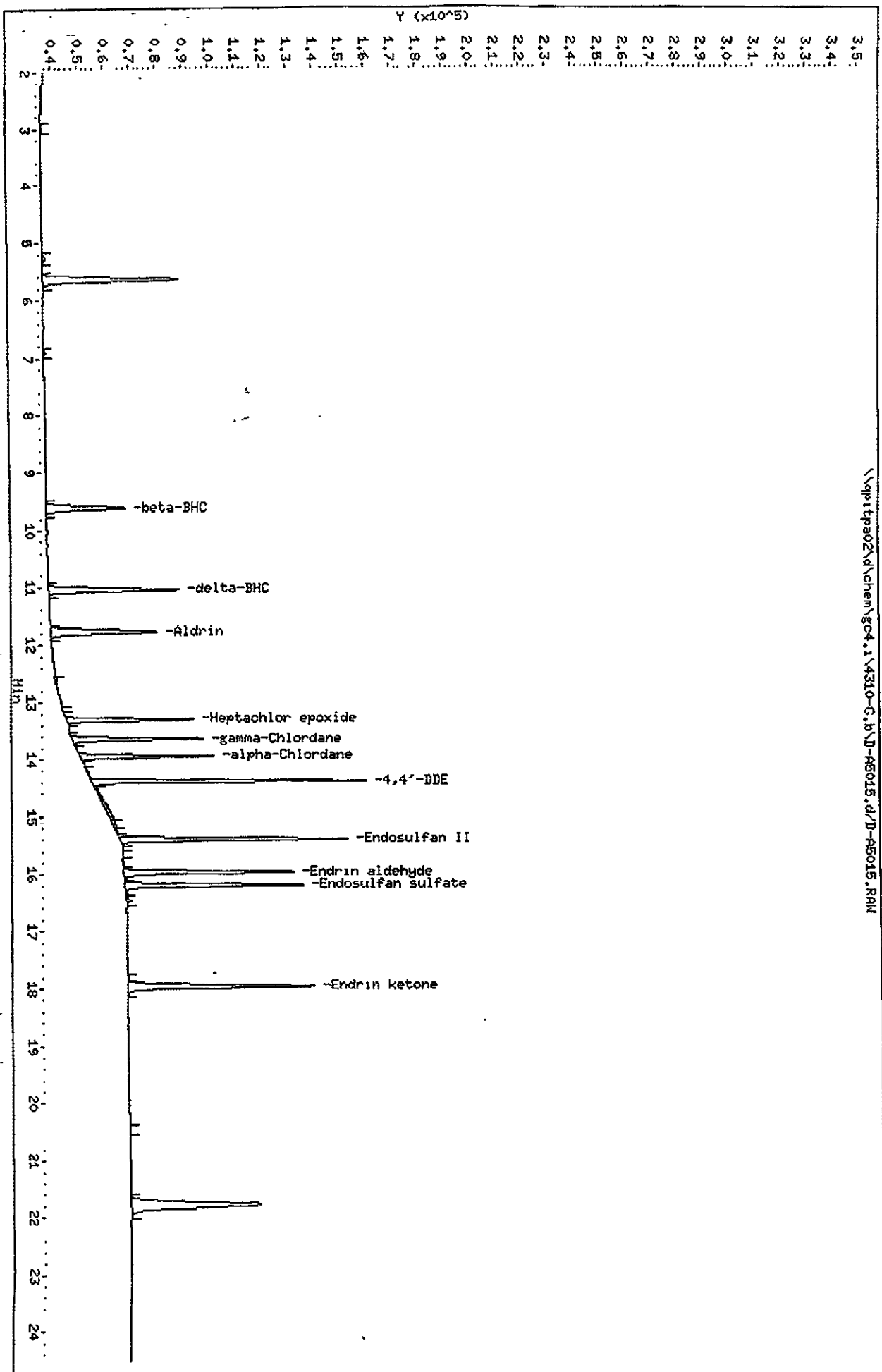
Sample Info: 2ND B, 4310-G.b, INDR.sub, 2,3

Column phase: DB608

Instrument: gc04.i

Operator: 1891

Column diameter: 0.53



STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5016.d
Lab Smp Id: EVALB
Inj Date : 31-JUL-2000 15:41
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
*****	==	*****	*****	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	53980	0.01991	0.01991(R)
16 4,4'-DDB	Compound Not Detected.					
20 Endrin	15.100	15.100	0.000	47010	0.02152	0.02152
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.746	15.746	0.000	46224	0.02467	0.02467
24 Endrin aldehyde	15.960	15.953	0.007	2740	0.00157	0.001573
27 Endrin ketone	17.960	17.953	0.007	2724	0.00152	0.001524
\$ 30 Decachlorobiphenyl	21.793	21.793	0.000	26852	0.02073	0.02073(R)

QC Flag Legend

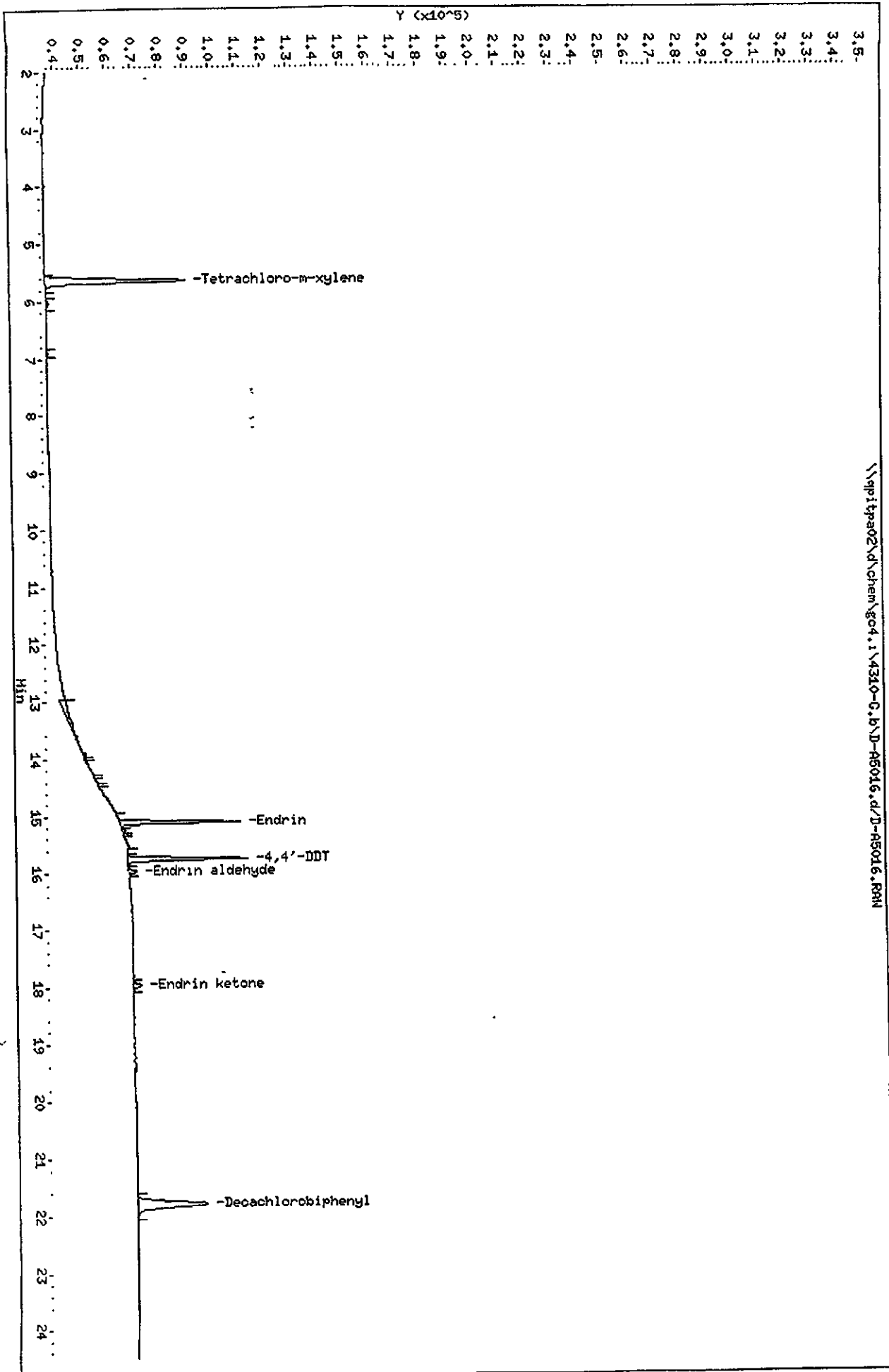
R - Spike/Surrogate failed recovery limits.

DDT = 0

Endrin = 10.4

Data File: \\ppitpa02\chem\gc4.1\4310-G.b\D-A5016.d
Date: 31-JUL-2000 15:41
Client ID:
Sample Info: EVALB, 4310-G.b, EVALBR.sub, 3,1
Column phase: DB608

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5037.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 01:24
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA, 4310-G.b, , INDA.sub, , 2, 3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	*****	*****	*****	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.653	5.640	0.013	68648	0.02500	0.02532
5 alpha-BHC	7.940	7.926	0.014	81135	0.02500	0.02564
6 gamma-BHC (Lindane)	9.346	9.333	0.013	72980	0.02500	0.02542
10 Heptachlor	10.626	10.606	0.020	57424	0.02500	0.02519
15 Endosulfan I	14.006	13.993	0.013	60981	0.02500	0.02512
17 Dieldrin	14.533	14.520	0.013	64596	0.02500	0.02483
20 Endrin	15.106	15.100	0.006	51896	0.02500	0.02375
21 4,4'-DDD	15.246	15.240	0.006	50722	0.02500	0.02414
23 4,4'-DDT	15.753	15.746	0.007	45976	0.02500	0.02454
25 Methoxychlor	17.526	17.506	0.020	42552	0.05000	0.04964
\$ 30 Decachlorobiphenyl	21.820	21.793	0.027	33419	0.02500	0.02580

20
Data File: \\ppitpa02\chem\gc4.i\4310-G.b.D-A5037.d
Date: 01-AUG-2000 01:24

66
Client ID:

66
Sample Info: MEDA,4310-G.b.,INDA.sub.,2,3

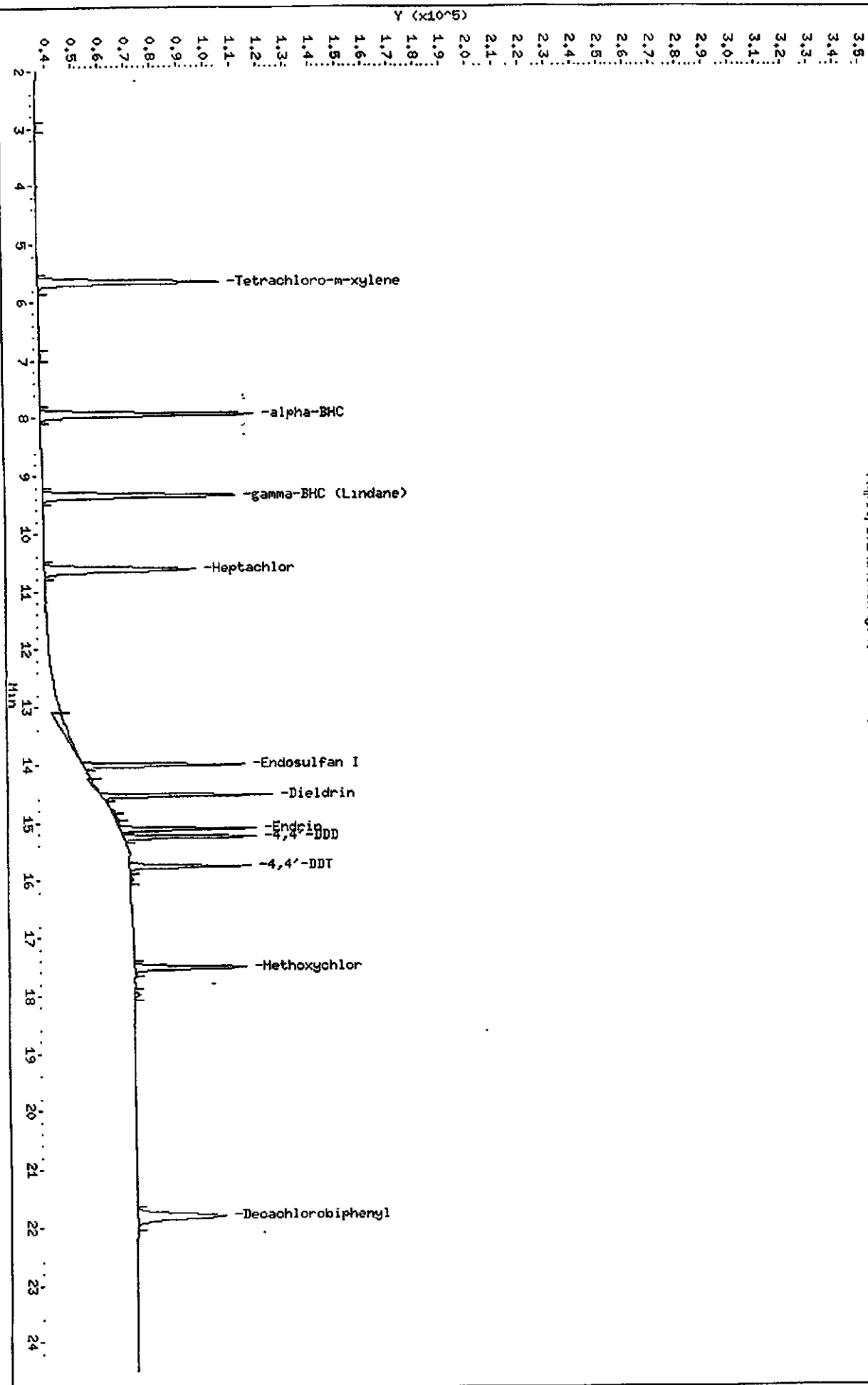
Column phase: DB608

Instrument: gc4.i

Operator: 1891

Column diameter: 0.53

\\ppitpa02\chem\gc4.i\4310-G.b.D-A5037.d\A5037.RAW



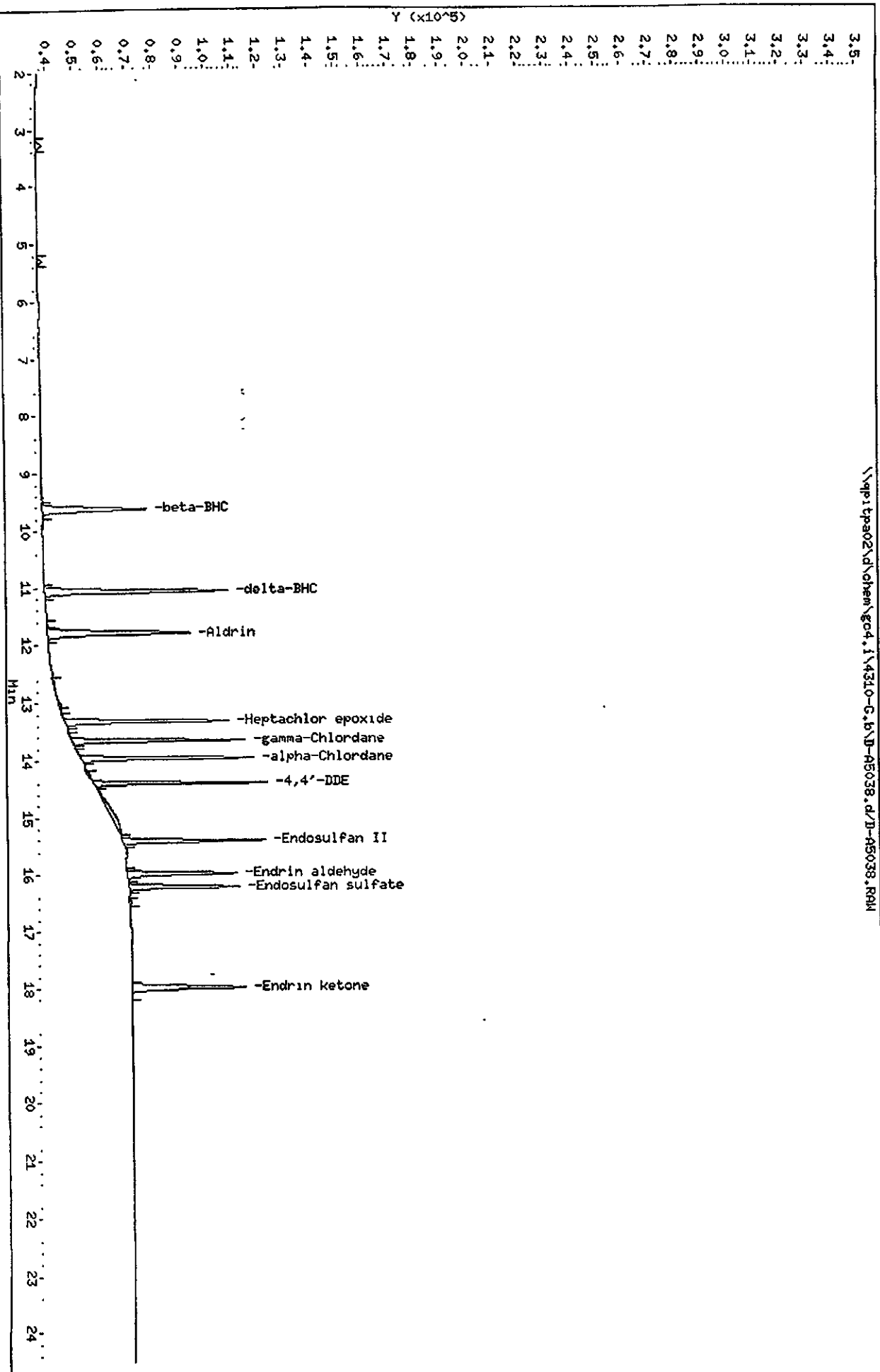
STL Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-A5038.d
Lab Smp Id: MEDB
Inj Date : 01-AUG-2000 01:51
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB, 4310-G.b, , INDB.sub, , 2, 3
Misc Info : 190-84-9
Comment :
Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	**	*****	*****	*****	*****	*****
11 Aldrin	11.786	11.766	0.020	54331	0.02500	0.02437
7 beta-BHC	9.626	9.606	0.020	39836	0.02500	0.02489
8 delta-BHC	11.060	11.040	0.020	70211	0.02500	0.02478
12 Heptachlor epoxide	13.306	13.293	0.013	62808	0.02500	0.02454
13 gamma-Chlordane	13.646	13.633	0.013	66140	0.02500	0.02460
14 alpha-Chlordane	13.953	13.940	0.013	65936	0.02500	0.02444
16 4,4'-DDE	14.386	14.380	0.006	66197	0.02500	0.02452
22 Endosulfan II	15.400	15.386	0.014	54584	0.02500	0.02428
24 Endrin aldehyde	15.973	15.953	0.020	42306	0.02500	0.02429
26 Endosulfan sulfate	16.200	16.186	0.014	42713	0.02500	0.02426
27 Endrin ketone	17.980	17.953	0.027	43835	0.02500	0.02452

Data File: \\qpi1tpa02\chem\gc04.1\4310-G.b\B-A5038.d
Date : 01-AUG-2000 01:51
Client ID:
Sample Info: HEDB, 4310-G.b, INDB.sub, 2,3
Column phase: DB608

Instrument: gc04.i
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5039.d
Report Date: 01-Aug-2000 12:05

666 423

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5039.d
Lab Smp Id: EVALB
Inj Date : 01-AUG-2000 02:19
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.653	5.640	0.013	54747	0.02019	0.02019(R)
16 4,4'-DDE	Compound Not Detected					
20 Endrin	15.106	15.100	0.006	47883	0.02192	0.02192
21 4,4'-DDD	15.246	15.240	0.006	3090	0.00147	0.001471
23 4,4'-DDT	15.753	15.746	0.007	46224	0.02467	0.02467
24 Endrin aldehyde	15.973	15.953	0.020	2877	0.00165	0.001652
27 Endrin ketone	17.973	17.953	0.020	2842	0.00159	0.001590
\$ 30 Decachlorobiphenyl	21.813	21.793	0.020	26930	0.02079	0.02079(R)

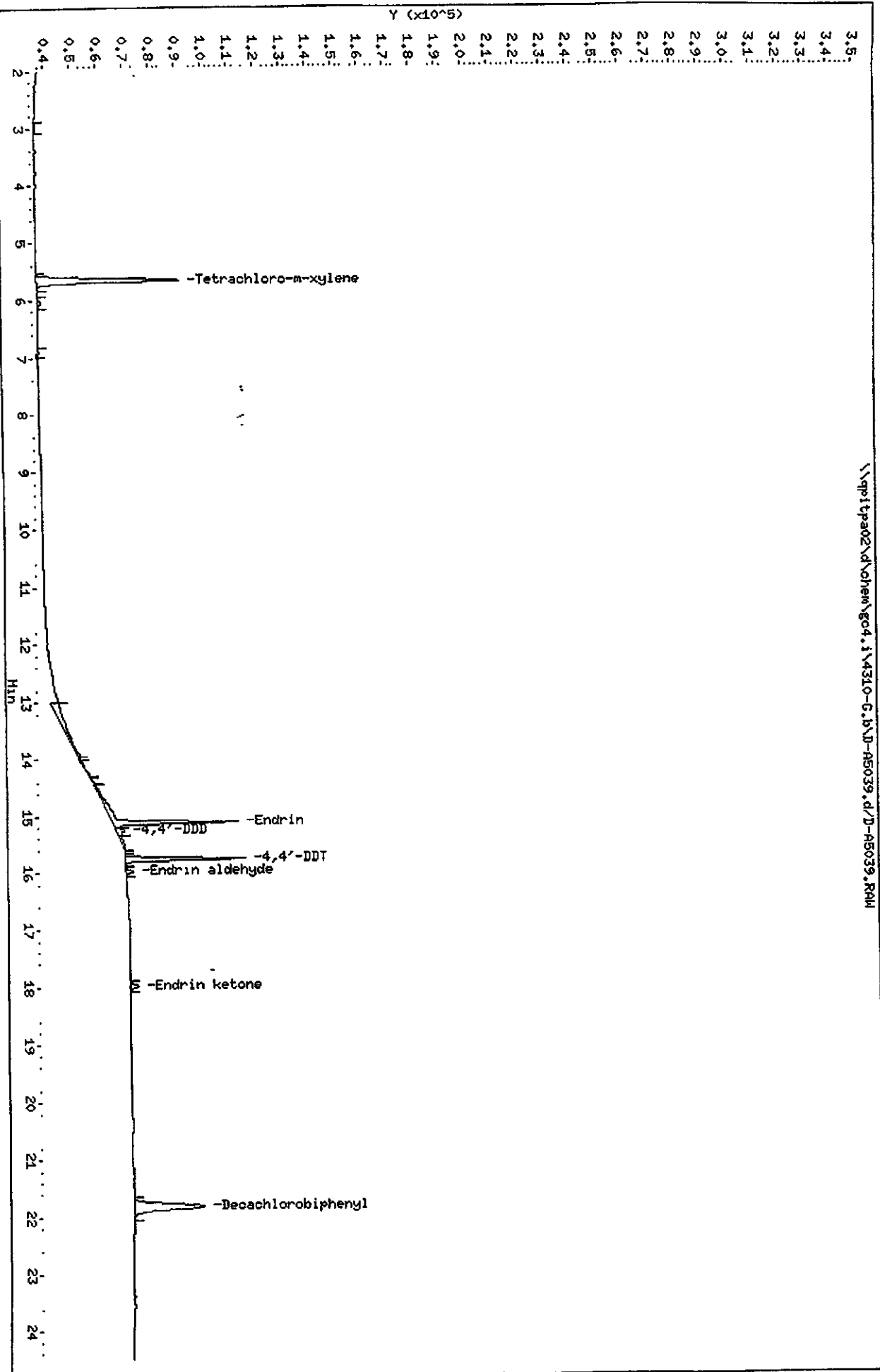
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

DDT = 6.3
Endrin = 10.7

Data File: \\ppitpa02\chem\g04.1\4310-G.b.D-85039.d
Date: 01-AUG-2000 02:19
Client ID:
Sample Info: EVALB,4310-G.b, EVALBR,sub,3,4
Column phase: DB608

Instrument: g04.1
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5060.d
Report Date: 01-Aug-2000 16:37

666 425

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5060.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 12:42
Operator : 1891
Smp Info : MEDA, 4310-G.b, , INDA.sub, , 2, 3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 16:35 MatkoL
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC044

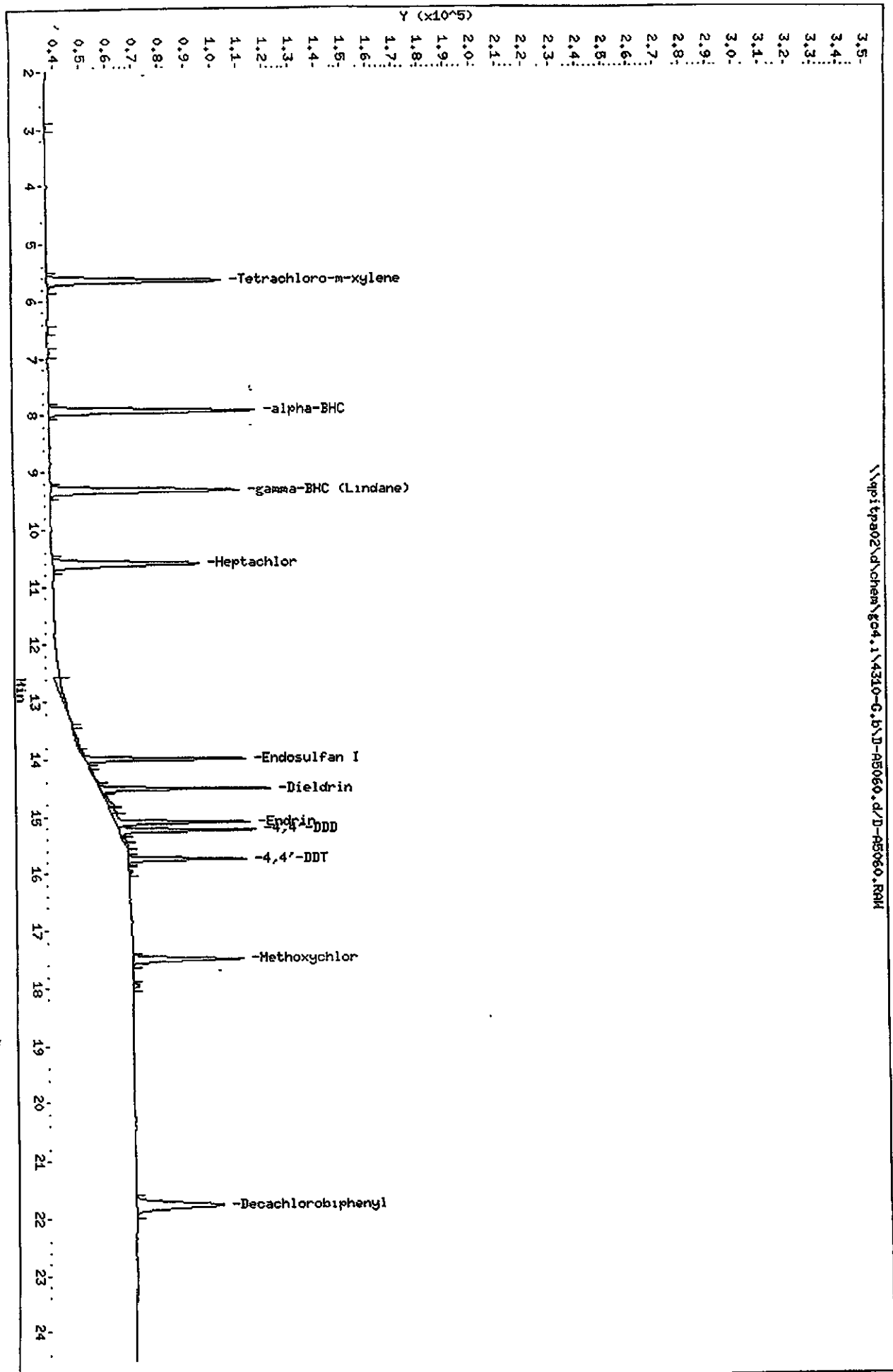
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-A5013.d
Continuing Calibration Sample
Compound Sublist: INDA.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	66609	0.02500	0.02456
5 alpha-BHC	7.926	7.926	0.000	78995	0.02500	0.02497
6 gamma-BHC (Lindane)	9.326	9.333	-0.007	72085	0.02500	0.02510
10 Heptachlor	10.600	10.606	-0.006	56056	0.02500	0.02459
15 Endosulfan I	13.993	13.993	0.000	61356	0.02500	0.02527
17 Dieldrin	14.520	14.520	0.000	64813	0.02500	0.02492
20 Endrin	15.093	15.100	-0.007	51546	0.02500	0.02359
21 4,4'-DDD	15.233	15.240	-0.007	52320	0.02500	0.02490
23 4,4'-DDT	15.740	15.746	-0.006	45140	0.02500	0.02409
25 Methoxychlor	17.500	17.506	-0.006	42204	0.05000	0.04923
\$ 30 Decachlorobiphenyl	21.780	21.793	-0.013	33180	0.02500	0.02562

666 426

Data File: \\pittpa02\chem\gc4.1\4310-G.b\D-85060.d
Date: 01-AUG-2000 12:42
Client ID:
Sample Info: HEDN,4310-G.b, INDN,sub,2,3
Column phase: DB608

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5061.d
Report Date: 01-Aug-2000 16:37

666 427

STL Pittsburgh

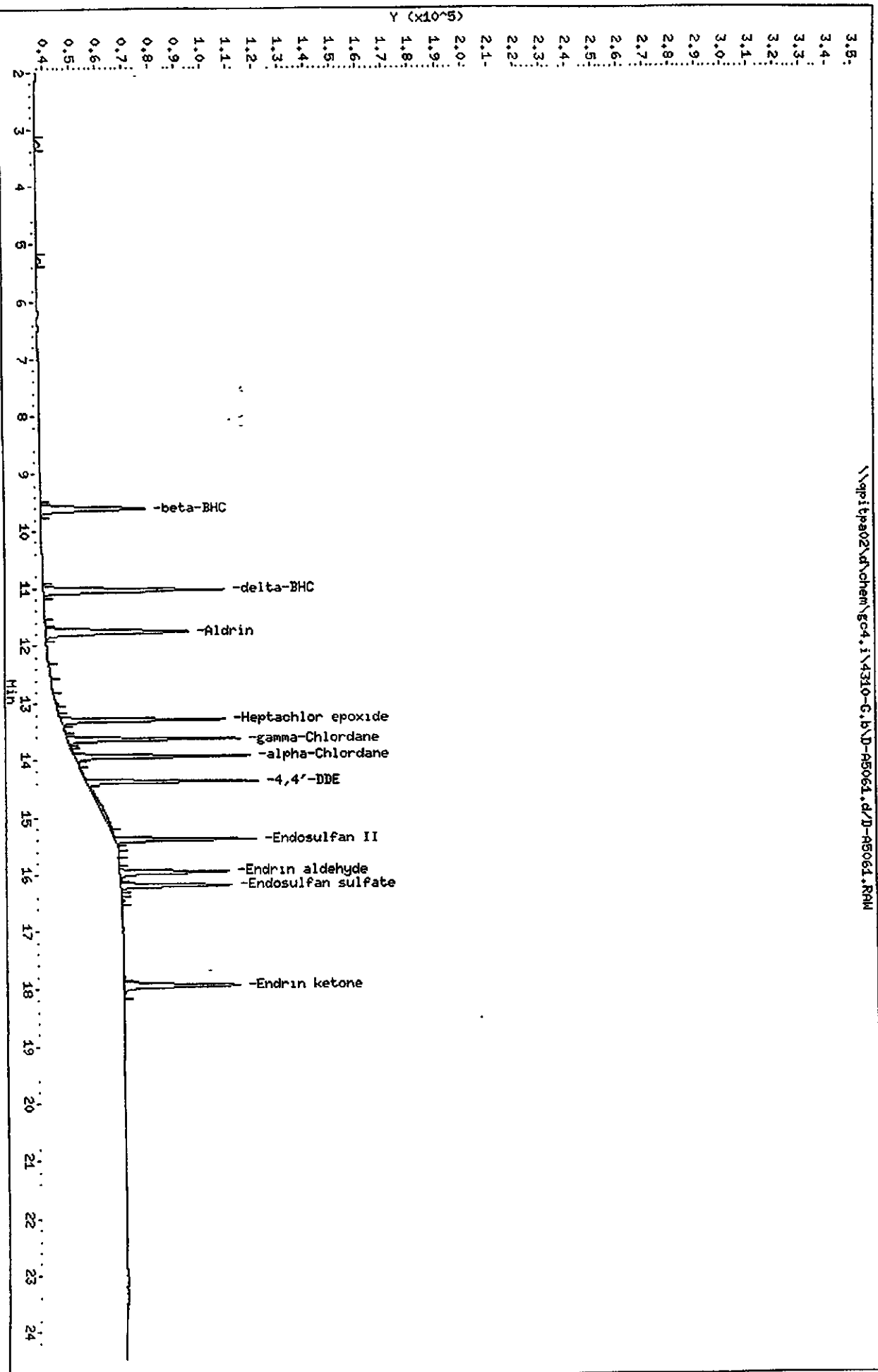
Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5061.d
Lab Smp Id: MEDB
Inj Date : 01-AUG-2000 13:10
Operator : 1891
Smp Info : MEDB,4310-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 16:35 MatkoL
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC044

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-A5013.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.766	11.766	0.000	54368	0.02500	0.02438
7 beta-BHC	9.606	9.606	0.000	39803	0.02500	0.02487
8 delta-BHC	11.040	11.040	0.000	69710	0.02500	0.02461
12 Heptachlor epoxide	13.293	13.293	0.000	63110	0.02500	0.02466
13 gamma-Chlordane	13.633	13.633	0.000	66624	0.02500	0.02478
14 alpha-Chlordane	13.940	13.940	0.000	67179	0.02500	0.02490
16 4,4'-DDE	14.373	14.380	-0.007	66368	0.02500	0.02459
22 Endosulfan II	15.386	15.386	0.000	54509	0.02500	0.02425
24 Endrin aldehyde	15.953	15.953	0.000	42615	0.02500	0.02446
26 Endosulfan sulfate	16.186	16.186	0.000	43196	0.02500	0.02453
27 Endrin ketone	17.953	17.953	0.000	44472	0.02500	0.02488

Data File: \\pp1tpa02\chem\gc4.i\4310-G.b\B-A5061.d
Date: 01-AUG-2000 13:10
Client ID:
Sample Info: MEDB,4310-G.b, INDB,sub,2,3
Column phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5062.d
Report Date: 01-Aug-2000 16:37

666 429

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5062.d
Lab Smp Id: EVALB
Inj Date : 01-AUG-2000 13:38
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 16:35 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.640	5.640	0.000	55512	0.02047	0.02047(R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	15.100	15.100	0.000	48601	0.02224	0.02224
21 4,4'-DDD	15.240	15.240	0.000	1923	<0.0	0.0009154
23 4,4'-DDT	15.740	15.746	-0.006	46720	0.02493	0.02493
24 Endrin aldehyde	15.960	15.953	0.007	2443	0.00140	0.001402
27 Endrin ketone	17.953	17.953	0.000	2724	0.00152	0.001524
\$ 30 Decachlorobiphenyl	21.780	21.793	-0.013	27275	0.02106	0.02106(R)

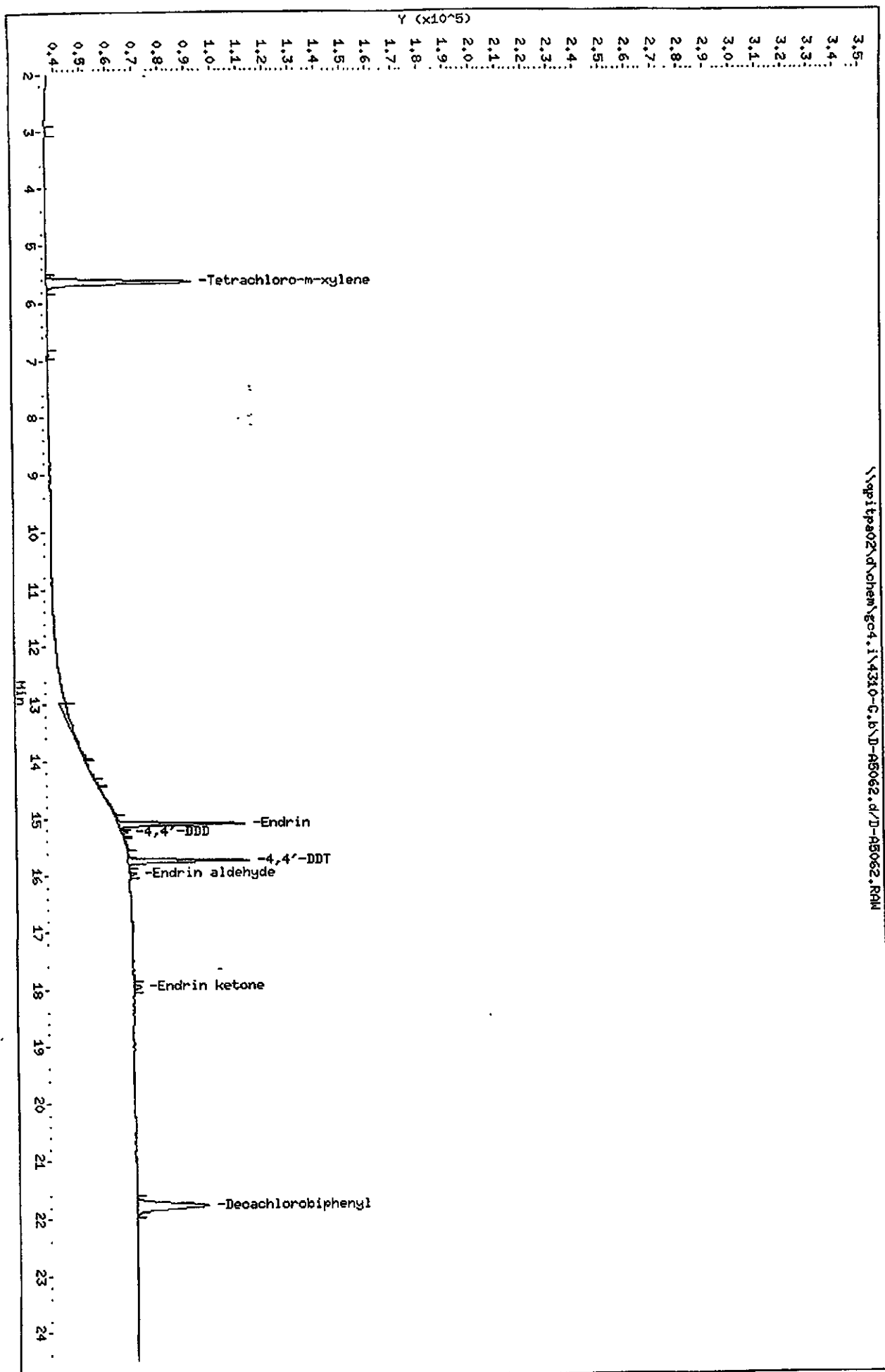
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

DDT = 4.0
Endrin = 9.6

Data File: \\pittpa02\chem\gc4.i\4310-G.b\D-A5062.d
Date: 01-AUG-2000 13:38
Client ID:
Sample Info: EVALB,4310-G.b, EVALBR,sub,,3.1
Column phase: DB608

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5084.d
Report Date: 02-Aug-2000 13:28

666 431

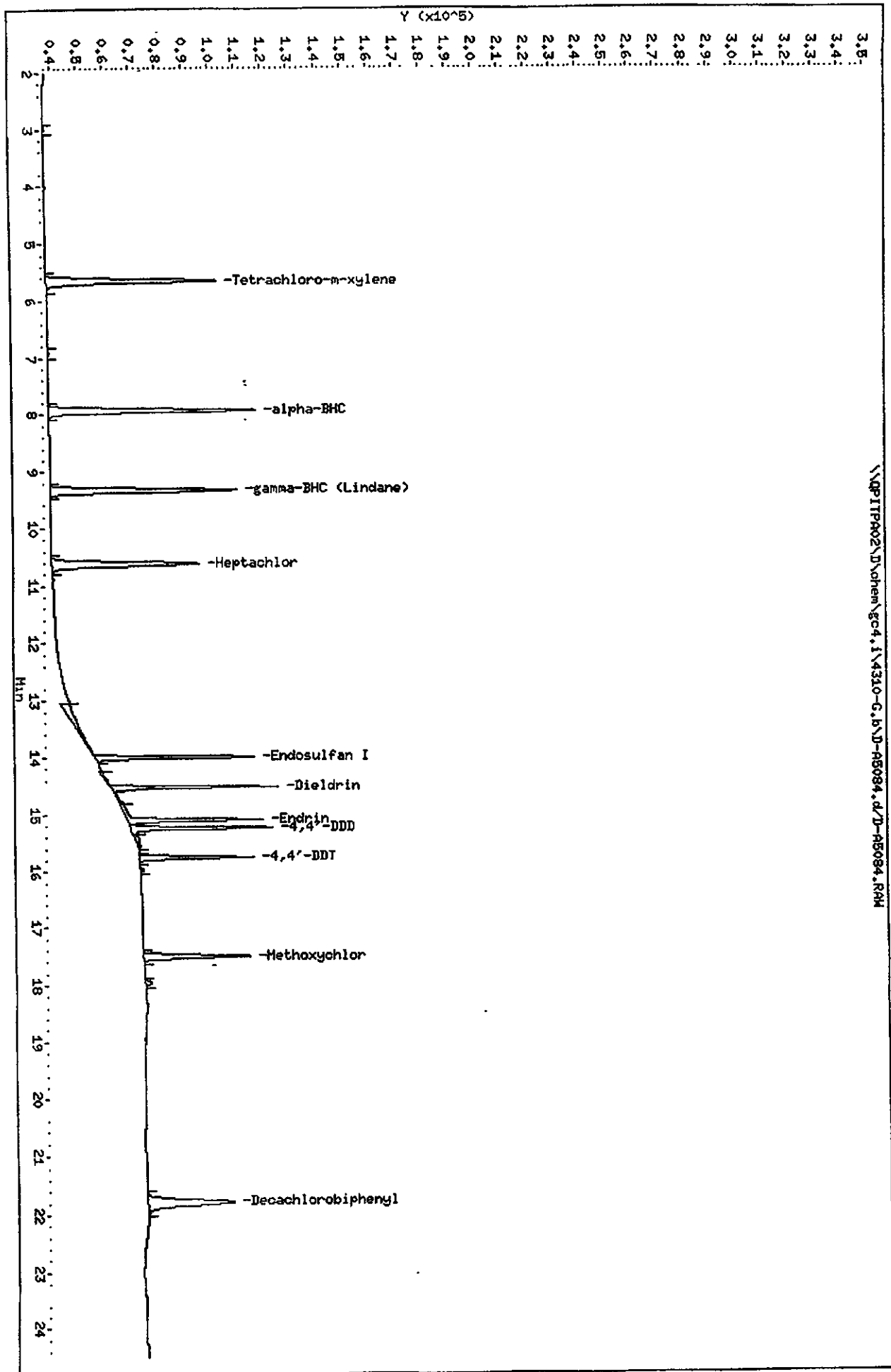
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5084.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 23:48
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA,4310-G.b,,INDA.sub,,2,3
Misc Info : 190-84-3
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 02-Aug-2000 13:18 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.653	5.640	0.013	64736	0.02500	0.02387
5 alpha-BHC	7.933	7.926	0.007	79125	0.02500	0.02501
6 gamma-BHC (Lindane)	9.333	9.326	0.007	71292	0.02500	0.02483
10 Heptachlor	10.613	10.600	0.013	56374	0.02500	0.02473
15 Endosulfan I	14.000	13.993	0.007	60773	0.02500	0.02503
17 Dieldrin	14.526	14.520	0.006	63501	0.02500	0.02441
20 Endrin	15.100	15.093	0.007	51895	0.02500	0.02375
21 4,4'-DDD	15.240	15.233	0.007	54033	0.02500	0.02572
23 4,4'-DDT	15.746	15.740	0.006	43254	0.02500	0.02308
25 Methoxychlor	17.513	17.500	0.013	40641	0.05000	0.04741
\$ 30 Decachlorobiphenyl	21.793	21.780	0.013	32715	0.02500	0.02526

Data File: \\PITPA02\N\chem\gc04.i\4310-G.b.D-85084.d
Date : 01-AUG-2000 23:48
Client ID:
Sample Info: MEDA, 4310-G.b, INDA, sub, 2,3
Column phase: DB608

Instrument: gc04.i
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-A5085.d
Lab Smp Id: MEDB
Inj Date : 02-AUG-2000 00:16
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB,4310-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 02-Aug-2000 13:18 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
11 Aldrin	11.773	11.766	0.007	54467	0.02500	0.02443
7 beta-BHC	9.620	9.606	0.014	39572	0.02500	0.02473
8 delta-BHC	11.053	11.040	0.013	69766	0.02500	0.02463
12 Heptachlor epoxide	13.300	13.293	0.007	62304	0.02500	0.02434
13 gamma-Chlordane	13.640	13.633	0.007	66446	0.02500	0.02471
14 alpha-Chlordane	13.946	13.940	0.006	66587	0.02500	0.02468
16 4,4'-DDE	14.380	14.373	0.007	68119	0.02500	0.02524
22 Endosulfan II	15.393	15.386	0.007	56010	0.02500	0.02492
24 Endrin aldehyde	15.960	15.953	0.007	43084	0.02500	0.02474
26 Endosulfan sulfate	16.193	16.186	0.007	42198	0.02500	0.02397
27 Endrin ketone	17.960	17.953	0.007	43586	0.02500	0.02438

Data File: \\QPITP002\chem\ec4.i\4310-G.b\D-#5085.d

Date: 02-AUG-2000 00:16

Client ID:

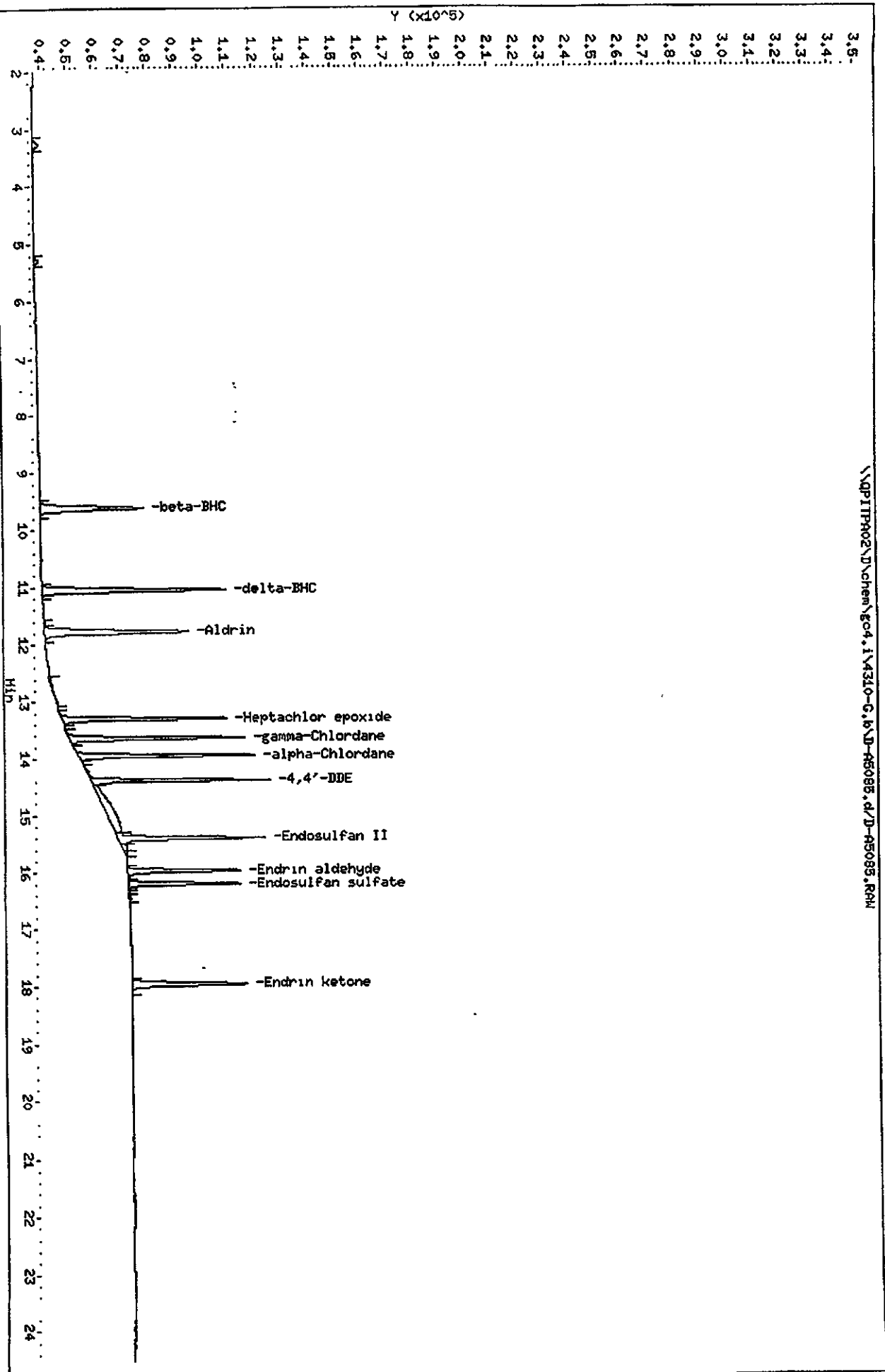
Sample Info: MEDB, 4310-G.b., INDR.sub, 2,3

Column phase: DB608

Instrument: ec4.i

Operator: 1891

Column diameter: 0.53



Report Date : 01-Aug-2000 15:59

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DB/201

666 435

STL Pittsburgh

COMPOUND LISTING

Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Quant Method : ESTD Target Version : 4.04
Last Update : 01-Aug-2000 15:40 Number of Cpnds : 31
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
-----	-----
Initial:Start Threshold	90.000000
Initial:End Threshold	45.000000
Initial:Area Threshold	900.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	1.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.000000
15.000:Start Threshold	672.000000
15.000:End Threshold	336.000000
15.000:Area Threshold	6720.000000

Compound	RT	RT Window	RF
\$ 1 Tetrachloro-m-xylene	5.733	5.683-5.783	2.22e+006
58 MIREX	17.620	17.570-17.670	
2 Diallate A	7.233	7.183-7.283	
3 Diallate B	7.807	7.757-7.857	
4 HEXACHLOROBENZENE	7.027	6.977-7.077	
5 alpha-BHC	8.553	8.503-8.603	2.94e+006
6 gamma-BHC (Lindane)	9.973	9.923-10.023	2.55e+006
7 beta-BHC	12.373	12.323-12.423	1.60e+006
8 delta-BHC	13.007	12.957-13.057	3.41e+006
9 Chlordane	10.287	10.237-10.337	7.39e+004
	10.867	10.817-10.917	1.58e+005
	14.073	14.023-14.123	3.00e+005
	14.173	14.123-14.223	4.24e+005
10 Heptachlor	10.860	10.810-10.910	2.76e+006
11 Aldrin	11.813	11.763-11.863	2.74e+006
12 Heptachlor epoxide	13.473	13.423-13.523	3.24e+006
13 gamma-Chlordane	14.073	14.023-14.123	3.22e+006
14 alpha-Chlordane	14.167	14.117-14.217	3.19e+006
15 Endosulfan I	14.013	13.963-14.063	3.06e+006
16 4,4'-DDE	14.313	14.263-14.363	3.27e+006
17 Dieldrin	14.607	14.557-14.657	3.25e+006

Report Date : 01-Aug-2000 15:59

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666 436

STL Pittsburgh

COMPOUND LISTING

Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m

Compound	RT	RT Window	RF
18 Toxaphene	15.360	15.310-15.410	2.52e+004
	15.680	15.630-15.730	2.73e+004
	16.147	16.097-16.197	1.98e+004
	16.907	16.857-16.957	2.76e+004
19 Isodrin	12.833	12.783-12.883	
20 Endrin	14.920	14.870-14.970	3.07e+006
21 4,4'-DDD	15.480	15.430-15.530	2.39e+006
22 Endosulfan II	15.633	15.583-15.683	2.77e+006
23 4,4'-DDT	15.780	15.730-15.830	2.31e+006
24 Endrin aldehyde	16.333	16.283-16.383	1.30e+006
25 Methoxychlor	16.847	16.797-16.897	1.10e+006
26 Endosulfan sulfate	16.940	16.890-16.990	1.75e+006
27 Endrin ketone	17.940	17.890-17.990	2.03e+006
28 Chlorobenzilate	15.213	15.163-15.263	
29 Kepone	17.827	17.777-17.877	
\$ 30 Decachlorobiphenyl	20.300	20.250-20.350	1.62e+006

Report Date : 02-Aug-2000 13:43

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B121

660 437

STL Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 02-Aug-2000 13:43 Number of Cpnds : 31
 Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
-----	-----
Initial:Start Threshold	90.000000
Initial:End Threshold	45.000000
Initial:Area Threshold	900.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	1.000000
Initial:Negative Peaks	OFF
Initial:Tension	0.000000
15.000:Start Threshold	672.000000
15.000:End Threshold	336.000000
15.000:Area Threshold	6720.000000

Compound	RT	RT Window	RF
\$ 1 Tetrachloro-m-xylene	5.740	5.690-5.790	2.22e+006
58 MIREX	17.620	17.570-17.670	
2 Diallate A	7.233	7.183-7.283	
3 Diallate B	7.807	7.757-7.857	
4 HEXACHLORO BENZENE	7.027	6.977-7.077	
5 alpha-BHC	8.553	8.503-8.603	2.94e+006
6 gamma-BHC (Lindane)	9.967	9.917-10.017	2.55e+006
7 beta-BHC	12.373	12.323-12.423	1.60e+006
8 delta-BHC	13.007	12.957-13.057	3.41e+006
9 Chlordane	10.287	10.237-10.337	7.39e+004
	10.867	10.817-10.917	1.58e+005
	14.073	14.023-14.123	3.00e+005
	14.173	14.123-14.223	4.24e+005
10 Heptachlor	10.860	10.810-10.910	2.76e+006
11 Aldrin	11.820	11.770-11.870	2.74e+006
12 Heptachlor epoxide	13.480	13.430-13.530	3.24e+006
13 gamma-Chlordane	14.073	14.023-14.123	3.22e+006
14 alpha-Chlordane	14.167	14.117-14.217	3.19e+006
15 Endosulfan I	14.013	13.963-14.063	3.06e+006
16 4,4'-DDE	14.313	14.263-14.363	3.27e+006
17 Dieldrin	14.600	14.550-14.650	3.25e+006

Report Date : 02-Aug-2000 13:43

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666 438

STL Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m

Compound	RT	RT Window	RF
18 Toxaphene	15.360	15.310-15.410	2.52e+004
	15.680	15.630-15.730	2.73e+004
	16.147	16.097-16.197	1.98e+004
	16.907	16.857-16.957	2.76e+004
19 Isodrin	12.833	12.783-12.883	
20 Endrin	14.920	14.870-14.970	3.07e+006
21 4,4'-DDD	15.473	15.423-15.523	2.39e+006
22 Endosulfan II	15.633	15.583-15.683	2.77e+006
23 4,4'-DDT	15.773	15.723-15.823	2.31e+006
24 Endrin aldehyde	16.333	16.283-16.383	1.30e+006
25 Methoxychlor	16.847	16.797-16.897	1.10e+006
26 Endosulfan sulfate	16.940	16.890-16.990	1.75e+006
27 Endrin ketone	17.940	17.890-17.990	2.03e+006
28 Chlorobenzilate	15.213	15.163-15.263	
29 Kepone	17.827	17.777-17.877	
\$ 30 Decachlorobiphenyl	20.293	20.243-20.343	1.62e+006

Report Date : 01-Aug-2000 15:59

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589046
DB/701

666 439

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2000 09:13
End Cal Date : 31-JUL-2000 14:18
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Cal Date : 01-Aug-2000 15:40 colussyj
Curve Type : Average

Calibration File Names:

Level 1: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5009.d
Level 2: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5010.d
Level 3: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5011.d
Level 4: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5012.d
Level 5: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5013.d

Compound	0 00500	0.01000	0.02500	0.05000	0.10000	RRP	% RSD
-----	Level 1	Level 2	Level 3	Level 4	Level 5	-----	-----
58 MIREX	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Diallylate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Diallylate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 HEXACHLOROBENZENE	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 alpha-BHC	2543400	2706300	2920440	3220160	3309510	2939962	11.117
6 gamma-BHC (Lindane)	2295600	2374700	2545440	2728960	2788400	2546620	8.428
7 beta-BHC	1551000	1660800	1568880	1623340	1580280	1596860	2.792
8 delta-BHC	3003600	3257000	3287600	3735960	3749500	3406732	9.568
9 Chlordane(1)	+++++	+++++	73888	+++++	+++++	73888	0.000
(2)	+++++	+++++	157528	+++++	+++++	157528	0.000
(3)	+++++	+++++	300108	+++++	+++++	300108	0.000
(4)	+++++	+++++	424376	+++++	+++++	424376	0.000
10 Heptachlor	2623600	2691500	2724320	2869360	2884860	2758728	4.137
11 Aldrin	2463600	2642200	2691680	2937560	2975300	2742068	7.793
12 Heptachlor epoxide	3112600	3284400	3103520	3379740	3330590	3242170	3.918
13 gamma-Chlordane	3028600	3251600	3099720	3375920	3369080	3224984	4.866
14 alpha-Chlordane	3091600	3225200	3059440	3251680	3306320	3186848	3.338
15 Endosulfan I	2976400	3025200	3009000	3145940	3124030	3056114	2.438
16 4,4'-DDE	3068600	3307000	3160160	3411120	3403390	3270054	4.630
17 Dieldrin	3093400	3202800	3253200	3319320	3364570	3246658	3.254
18 Toxaphene(1)	+++++	+++++	25206	+++++	+++++	25206	0.000
(2)	+++++	+++++	27305	+++++	+++++	27305	0.000
(3)	+++++	+++++	19790	+++++	+++++	19790	0.000
(4)	+++++	+++++	27552	+++++	+++++	27552	0.000
19 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Endrin	3709200	3256900	2701280	2821700	2844910	3066798	13.560

Report Date : 01-Aug-2000 15:59

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589048
DB1701

666 440

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2000 09:13
End Cal Date : 31-JUL-2000 14:18
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Cal Date : 01-Aug-2000 15:40 colussyj
Curve Type : Average

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
21 4,4'-DDD	2506200	2469100	2289000	2362340	2341320	2393592	3.796
22 Endosulfan II	2881800	2850700	2538680	2815400	2738440	2765004	4.967
23 4,4'-DDT	2247800	2308600	2295440	2368800	2338360	2311800	1.974
24 Endrin aldehyde	1238600	1287000	1253800	1363320	1375040	1303552	4.799
25 Methoxychlor	1083000	1087550	1096240	1132110	1105290	1100838	1.767
26 Endosulfan sulfate	1639800	1761200	1694600	1840160	1833420	1753836	4.967
27 Endrin ketone	1908600	2053000	1987280	2119600	2089500	2031596	4.166
28 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 1 Tetrachloro-m-xylene	2306200	2316800	2198240	2202540	2071700	2219096	4.482
\$ 30 Decachlorobiphenyl	1557400	1666900	1631240	1633860	1592480	1616376	2.612

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

666 441

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: COG270310
 GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 07/31/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 0845

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.93	14.87	14.97	0.02109	0.02500	-15.6
4,4'-DDT	15.79	15.73	15.83	0.02441	0.02500	-2.4

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00
 Combined % breakdown (1): _____

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

666 442

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: COG270310
 GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 07/31/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 1541

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.92	14.87	14.97	0.02100	0.02500	-16.0
4,4'-DDT	15.78	15.73	15.83	0.02442	0.02500	-2.3

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00
 Combined % breakdown (1): _____

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

666 443

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: COG270310
 GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 08/01/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 0219

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.93	14.87	14.97	0.02075	0.02500	-17.0
4,4'-DDT	15.79	15.73	15.83	0.02429	0.02500	-2.8

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00
 Combined % breakdown (1): _____

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

666 444

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4140-G
 GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 08/01/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 1338

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
Endrin	14.92	14.87	14.97	0.02131	0.02500	-14.8
4,4'-DDT	15.77	15.72	15.82	0.02399	0.02500	-4.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00
 Combined % breakdown (1): _____

Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5037.d
Report Date: 01-Aug-2000 15:40

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 01:24
Lab File ID: D-B5037.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:18
Lab Sample ID: MEDA Quant Type: ESTD
Method: \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	%D	MAX
-----	-----	-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene	2219096	2266800	0.000	2.1	15.0
5 alpha-BHC	2939962	3018920	0.010	2.7	15.0
6 gamma-BHC (Lindane)	2546620	2636840	0.010	3.5	15.0
10 Heptachlor	2758728	2833040	0.010	2.7	15.0
15 Endosulfan I	3056114	3072840	0.010	0.5	15.0
17 Dieldrin	3246658	3347040	0.010	3.1	15.0
20 Endrin	3066798	2786080	0.010	-9.2	15.0
21 4,4'-DDD	2393592	2397480	0.010	0.2	15.0
23 4,4'-DDT	2311800	2226280	0.010	-3.7	15.0
25 Methoxychlor	1100838	1103920	0.010	0.3	15.0
\$ 30 Decachlorobiphenyl	1616376	1683760	0.010	4.2	15.0

Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5038.d
Report Date: 01-Aug-2000 15:40

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STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 01:51
Lab File ID: D-B5038.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:13
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
11 Aldrin	2742068	2740520	0.010	-0.1 15.0
7 beta-BHC	1596860	1590800	0.010	-0.4 15.0
8 delta-BHC	3406732	3400680	0.010	-0.2 15.0
12 Heptachlor epoxide	3242170	3206080	0.010	-1.1 15.0
13 gamma-Chlordane	3224984	3179320	0.010	-1.4 15.0
14 alpha-Chlordane	3186848	3150560	0.010	-1.1 15.0
16 4,4'-DDE	3270054	3286680	0.010	0.5 15.0
22 Endosulfan II	2765004	2658280	0.010	-3.9 15.0
24 Endrin aldehyde	1303552	1280440	0.010	-1.8 15.0
26 Endosulfan sulfate	1753836	1731080	0.010	-1.3 15.0
27 Endrin ketone	2031596	2038520	0.010	0.3 15.0

Data File: \\gpitpa02\d\chem\gc4.i\4310-G.b\D-B5060.d
Report Date: 01-Aug-2000 16:40

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STL Pittsburgh

666 447

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 12:42
Lab File ID: D-B5060.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:18
Lab Sample ID: MEDA Quant Type: ESTD
Method: \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRP	RFO	MIN		MAX
			RRP	%D	%D
\$ 1 Tetrachloro-m-xylene	2219096	2206720	0.000	-0.6	15.0
5 alpha-BHC	2939962	2946160	0.010	0.2	15.0
6 gamma-BHC (Lindane)	2546620	2539840	0.010	-0.3	15.0
10 Heptachlor	2758728	2779840	0.010	0.8	15.0
15 Endosulfan I	3056114	3001000	0.010	-1.8	15.0
17 Dieldrin	3246658	3278200	0.010	1.0	15.0
20 Endrin	3066798	2899560	0.010	-5.5	15.0
21 4,4' -DDD	2393592	2411320	0.010	0.7	15.0
23 4,4' -DDT	2311800	2182200	0.010	-5.6	15.0
25 Methoxychlor	1100838	1080780	0.010	-1.8	15.0
\$ 30 Decachlorobiphenyl	1616376	1640480	0.010	1.5	15.0

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5061.d
Report Date: 01-Aug-2000 16:40

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STL Pittsburgh

666 448

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 13:10
Lab File ID: D-B5061.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:18
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
11 Aldrin	2742068	2715680	0.010	-1.0 15.0
7 beta-BHC	1596860	1585960	0.010	-0.7 15.0
8 delta-BHC	3406732	3369560	0.010	-1.1 15.0
12 Heptachlor epoxide	3242170	3173760	0.010	-2.1 15.0
13 gamma-Chlordane	3224984	3172880	0.010	-1.6 15.0
14 alpha-Chlordane	3186848	3157080	0.010	-0.9 15.0
16 4,4'-DDE	3270054	3269240	0.010	-0.0 15.0
22 Endosulfan II	2765004	2686000	0.010	-2.9 15.0
24 Endrin aldehyde	1303552	1280080	0.010	-1.8 15.0
26 Endosulfan sulfate	1753836	1705200	0.010	-2.8 15.0
27 Endrin ketone	2031596	2028200	0.010	-0.2 15.0

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5084.d
Report Date: 02-Aug-2000 14:04

72
582/16 660 449
D6/20

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 01-AUG-2000 23:48
Lab File ID: D-B5084.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
Analysis Type: Init. Cal. Times: 09:13 14:18
Lab Sample ID: MEDA Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
1 Tetrachloro-m-xylene	2219096	2111600	0.000	-4.8
5 alpha-BHC	2939962	2902600	0.010	-1.3
6 gamma-BHC (Lindane)	2546620	2498960	0.010	-1.9
10 Heptachlor	2758728	2754600	0.010	-0.1
15 Endosulfan I	3056114	3033840	0.010	-0.7
17 Dieldrin	3246658	3292600	0.010	1.4
20 Endrin	3066798	2675240	0.010	-12.8
21 4,4'-DDD	2393592	2379160	0.010	-0.6
23 4,4'-DDT	2311800	2089240	0.010	-9.6
25 Methoxychlor	1100838	1053000	0.010	-4.3
30 Decachlorobiphenyl	1616376	1628680	0.010	0.8

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5085.d
 Report Date: 02-Aug-2000 14:04

STL Pittsburgh

72
 589046 660 450
 D31701

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 02-AUG-2000 00:16
 Lab File ID: D-B5085.d Init. Cal. Date(s): 31-JUL-2000 31-JUL-2000
 Analysis Type: Init. Cal. Times: 09:13 14:18
 Lab Sample ID: MEDB Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	RRF	%D	MAX
-----	-----	-----	-----	-----	-----	-----
11 Aldrin	2742068	2709560	0.010	-1.2	15.0	
7 beta-BHC	1596860	1572600	0.010	-1.5	15.0	
8 delta-BHC	3406732	3366600	0.010	-1.2	15.0	
12 Heptachlor epoxide	3242170	3152280	0.010	-2.8	15.0	
13 gamma-Chlordane	3224984	3153640	0.010	-2.2	15.0	
14 alpha-Chlordane	3186848	3142040	0.010	-1.4	15.0	
16 4,4'-DDE	3270054	3227280	0.010	-1.3	15.0	
22 Endosulfan II	2765004	2581760	0.010	-6.6	15.0	
24 Endrin aldehyde	1303552	1258320	0.010	-3.5	15.0	
26 Endosulfan sulfate	1753836	1711120	0.010	-2.4	15.0	
27 Endrin ketone	2031596	1971080	0.010	-3.0	15.0	

8D
PESTICIDE ANALYTICAL SEQUENCE

666 451

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 07/31/00 07/31/00

Instrument ID: GC4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 5.75			DCB: 20.31		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	EVALB	07/31/00	0845	5.75	20.31
02	MEDTOX	07/31/00	0913	5.74	20.30
03	MEDCHLOR	07/31/00	0941	5.74	20.30
04	LOWA	07/31/00	1008	5.73	20.30
05	MLOWA	07/31/00	1036	5.73	20.31
06	MEDA	07/31/00	1104	5.73	20.30
07	MHIGHA	07/31/00	1132	5.74	20.29
08	HIGHA	07/31/00	1159	5.73	20.29
09	LOWB	07/31/00	1227		
10	MLOWB	07/31/00	1255		
11	MEDEB	07/31/00	1323		
12	MHIGHB	07/31/00	1350		
13	HIGHB	07/31/00	1418		
14	2ND A	07/31/00	1446	5.73	20.30
15	2ND B	07/31/00	1514		
16	EVALB	07/31/00	1541	5.73	20.30
17	MEDA	08/01/00	0124	5.75	20.33
18	MEDEB	08/01/00	0151		
19	EVALB	08/01/00	0219	5.75	20.33
20	PBLKH	08/01/00	1038	5.75	20.29
21	LCSH	08/01/00	1147	5.74	20.31
22	LCDH	08/01/00	1214	5.73	20.29
23	MEDA	08/01/00	1242	5.74	20.29
24	MEDEB	08/01/00	1310		
25	EVALB	08/01/00	1338	5.74	20.30
26	DF/S1/0208/I	08/01/00	1405	5.75	20.30
27	MEDA	08/01/00	2348	5.75	20.31
28	MEDEB	08/02/00	0016		
29					
30					
31					
32					

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5001.d
Lab Smp Id: EVALB
Inj Date : 31-JUL-2000 08:45
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.753	5.733	0.020	42113	0.01898	0.01898(R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	14.926	14.920	0.006	64678	0.02109	0.02109
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.786	15.780	0.006	56438	0.02441	0.02441
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.313	20.300	0.013	31915	0.01974	0.01974(R)

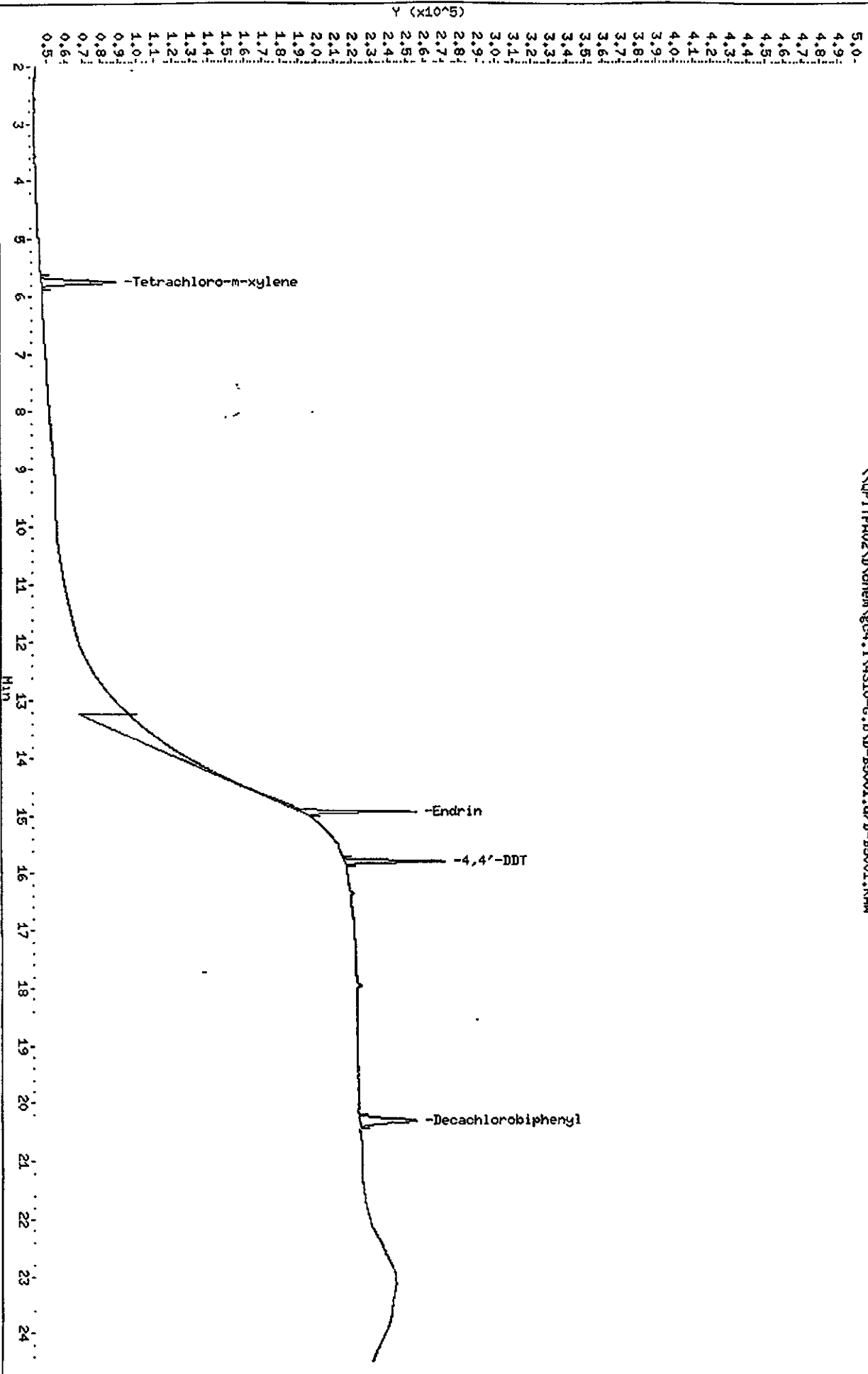
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\NPITPA02\\chem\\gc4.1\\4310-G.b\\D-B5001.d
Date: 31-JUL-2000 08:45
Client ID:
Sample Info: EVALB, 4310-G.b, EVALBR, sub, 3, 1
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53

\\NPITPA02\\chem\\gc4.1\\4310-G.b\\D-B5001.d\\D-B5001.RAW



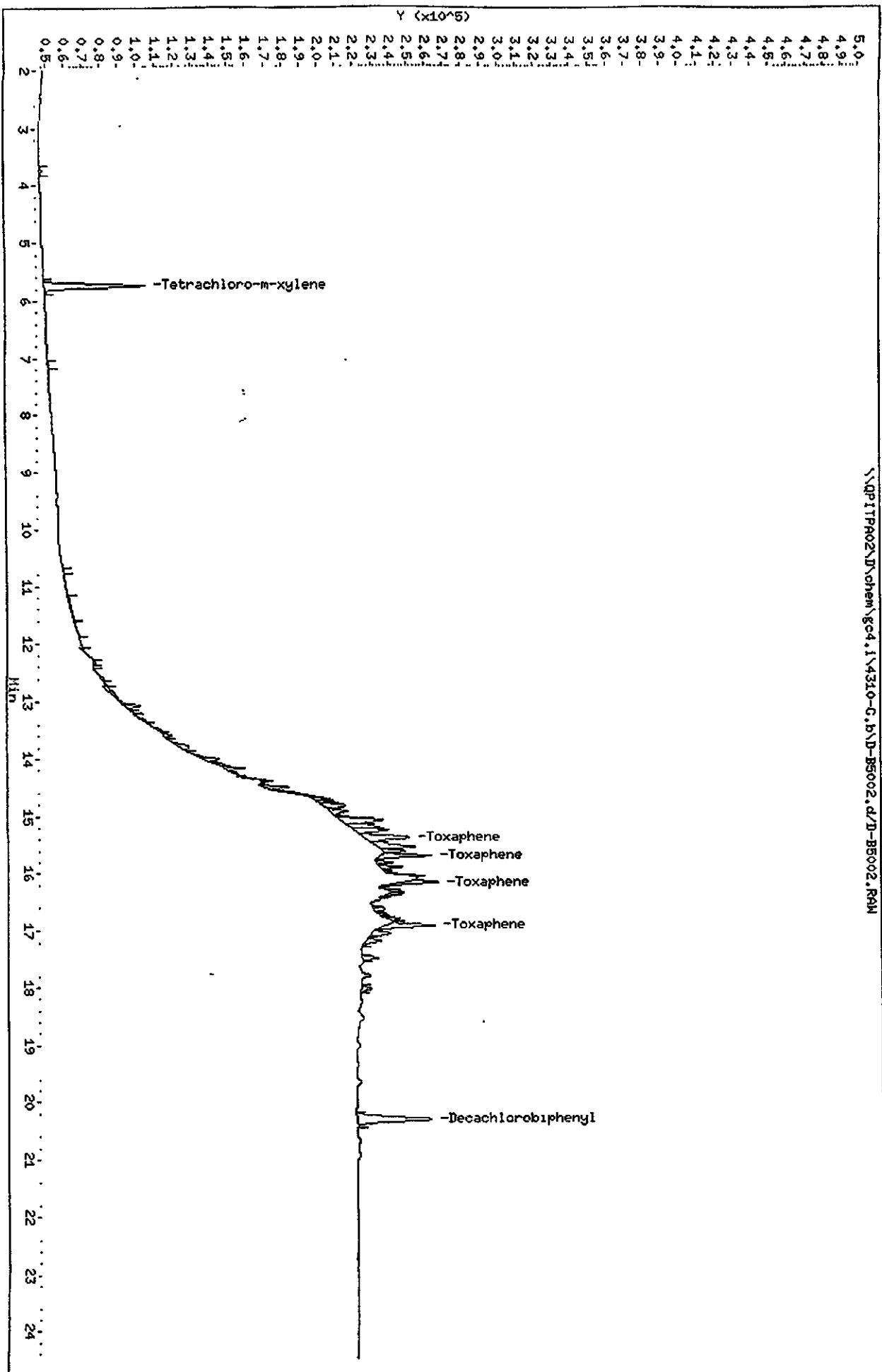
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5002.d
Lab Smp Id: MEDTOX
Inj Date : 31-JUL-2000 09:13
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDTOX, 4310-G.b,, 1-TOX.sub,, 1, 3
Misc Info : 190-84-13
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 09:13 Cal File: D-B5002.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
18 Toxaphene	15.360	15.360	0.000	25206	1.00000	1.000
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	55301	0.02500	0.02500
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	41333	0.02500	0.02500

Data File: \\QPI1PA02\\chem\\gc4.1\\4310-G.b\\D-B5002.d
Date: 31-JUL-2000 09:13
Client ID:
Sample Info: HEDTOX, 4310-G.b, 1-TOX, sub, 1.3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5003.d
Lab Smp Id: MEDCHLOR
Inj Date : 31-JUL-2000 09:41
Operator : 1891
Smp Info : MEDCHLOR, 4310-G.b,, 2-CHLO.sub,, 1,3
Misc Info : 190-85-10
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 09:41
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

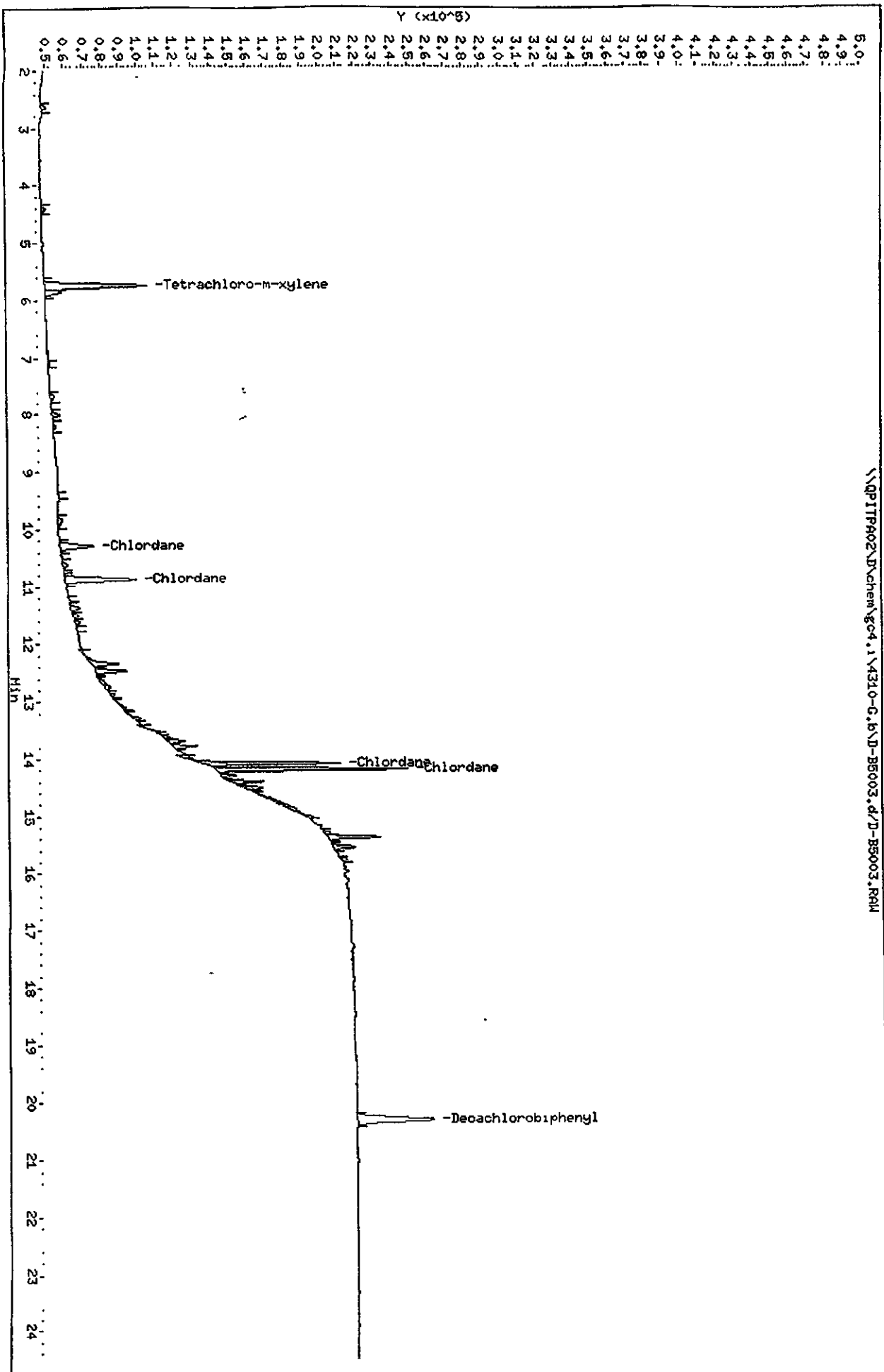
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5003.d
Calibration Sample, Level: 3
Compound Sublist: 2-CHLO.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
9 Chlordane	10.286	10.286	0.000	18472	0.25000	0.2500
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	56304	0.02500	0.02500
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	42139	0.02500	0.02500

666 457

Data File: \\NPITPA02\chem\gc4.i\4310-G.b\D-B5003.d
Date: 31-JUL-2000 09:41
Client ID:
Sample Info: MEDCHLOR, 4310-G.b, 2-CHLO.sub, 1,3
Column phase: DB1701

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



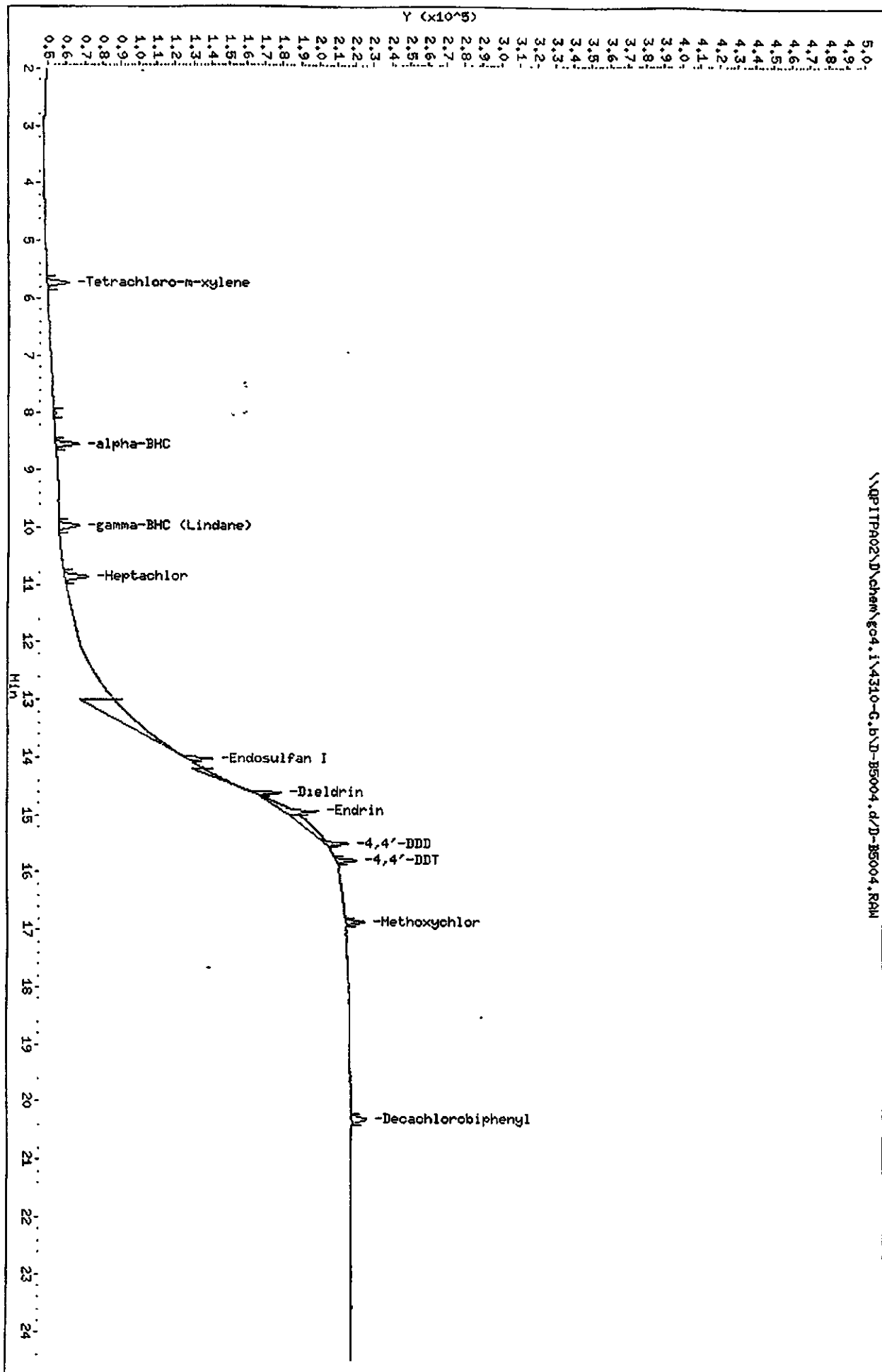
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5004.d
Lab Smp Id: LOWA
Inj Date : 31-JUL-2000 10:08
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWA,4310-G.b,,3-INDA.sub,,1,1
Misc Info : 190-84-1
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
§ 1 Tetrachloro-m-xylene	5.733	5.733	0.000	11531	0.00500	0.005120
5 alpha-BHC	8.553	8.553	0.000	12717	0.00500	0.004655
6 gamma-BHC (Lindane)	9.973	9.973	0.000	11478	0.00500	0.004742
10 Heptachlor	10.866	10.860	0.006	13118	0.00500	0.004906
15 Endosulfan I	14.013	14.013	0.000	14882	0.00500	0.004973
17 Dieldrin	14.606	14.606	0.000	15467	0.00500	0.004874
20 Endrin	14.920	14.920	0.000	18546	0.00500	0.005786
21 4,4'-DDD	15.480	15.480	0.000	12531	0.00500	0.005226
23 4,4'-DDT	15.773	15.780	-0.007	11239	0.00500	0.004948
25 Methoxychlor	16.846	16.846	0.000	10830	0.01000	0.009939
§ 30 Decachlorobiphenyl	20.300	20.300	0.000	7787	0.00500	0.004884

Data File: \\PITPA02\chem\gc4.i\4310-G.b.D-B5004.d
Date: 31-JUL-2000 10:08
Client ID:
Sample Info: LQMA, 4310-G.b, 3-INDA.sub, 1,1
Column phase: DB1701

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

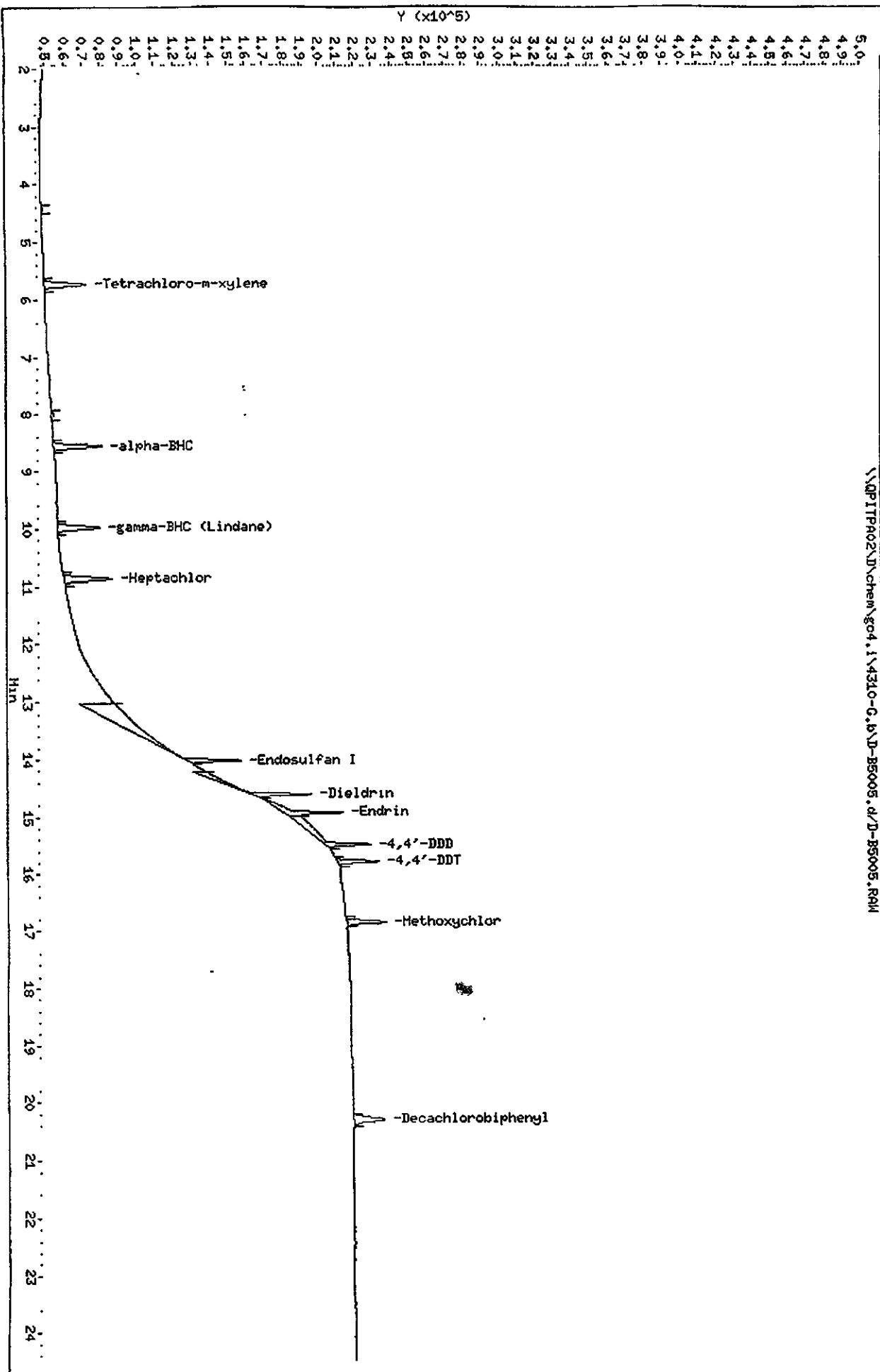
Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5005.d
Lab Smp Id: MLOWA
Inj Date : 31-JUL-2000 10:36
Operator : 1891 Inst ID: gc4.i
Smp Info : MLOWA,4310-G.b,,3-INDA.sub,,1,2
Misc Info : 190-84-2
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC085

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.733	5.733	0.000	23168	0.01000	0.01019
5 alpha-BHC	8.553	8.553	0.000	27063	0.01000	0.009937
6 gamma-BHC (Lindane)	9.973	9.973	0.000	23747	0.01000	0.009873
10 Heptachlor	10.860	10.860	0.000	26915	0.01000	0.01004
15 Endosulfan I	14.013	14.013	0.000	30252	0.01000	0.01007
17 Dieldrin	14.606	14.606	0.000	32028	0.01000	0.01006
20 Endrin	14.920	14.920	0.000	32569	0.01000	0.01011
21 4,4'-DDD	15.480	15.480	0.000	24691	0.01000	0.01020
23 4,4'-DDT	15.780	15.780	0.000	23086	0.01000	0.01011
25 Methoxychlor	16.853	16.846	0.007	21751	0.02000	0.01997
\$ 30 Decachlorobiphenyl	20.306	20.300	0.006	16669	0.01000	0.01030

666 461

Data File: \\QPITP02\chem\gc4.1\4310-G.b\D-B5005.d
Date: 31-JUL-2000 10:36
Client ID:
Sample Info: MLOM, 4310-G.b, 3-INDR, sub, 1,2
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



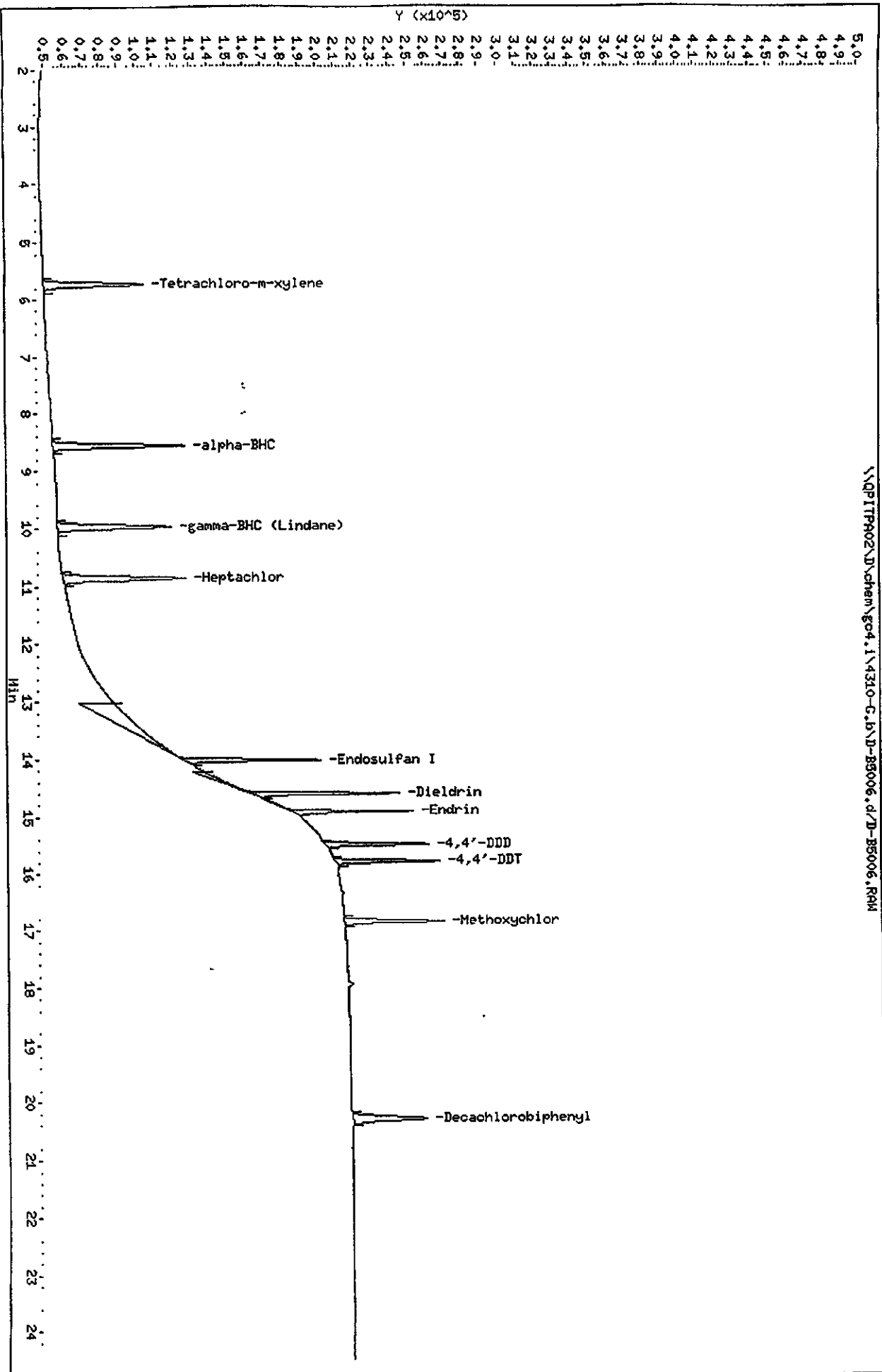
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5006.d
Lab Smp Id: MEDA
Inj Date : 31-JUL-2000 11:04
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA,4310-G.b,,3-INDA.sub,,1,3
Misc Info : 190-84-3
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 11:04 Cal File: D-B5006.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.733	5.733	0.000	54956	0.02500	0.02500
5 alpha-BHC	8.553	8.553	0.000	73011	0.02500	0.02500
6 gamma-BHC (Lindane)	9.973	9.973	0.000	63636	0.02500	0.02500
10 Heptachlor	10.860	10.860	0.000	68108	0.02500	0.02500
15 Endosulfan I	14.013	14.013	0.000	75225	0.02500	0.02500
17 Dieldrin	14.606	14.606	0.000	81330	0.02500	0.02500
20 Endrin	14.920	14.920	0.000	67532	0.02500	0.02500
21 4,4'-DDD	15.480	15.480	0.000	57225	0.02500	0.02500
23 4,4'-DDT	15.780	15.780	0.000	57386	0.02500	0.02500
25 Methoxychlor	16.846	16.846	0.000	54812	0.05000	0.05000
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	40781	0.02500	0.02500

Date File: \\NPITPA02\chem\gc4.1\4310-G.b.D-B5006.d
Date: 31-JUL-2000 11:04
Client ID:
Sample Info: MEDA,4310-G.b.,3-INDA.sub,1,3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5007.d
 Report Date: 01-Aug-2000 16:01

666 464

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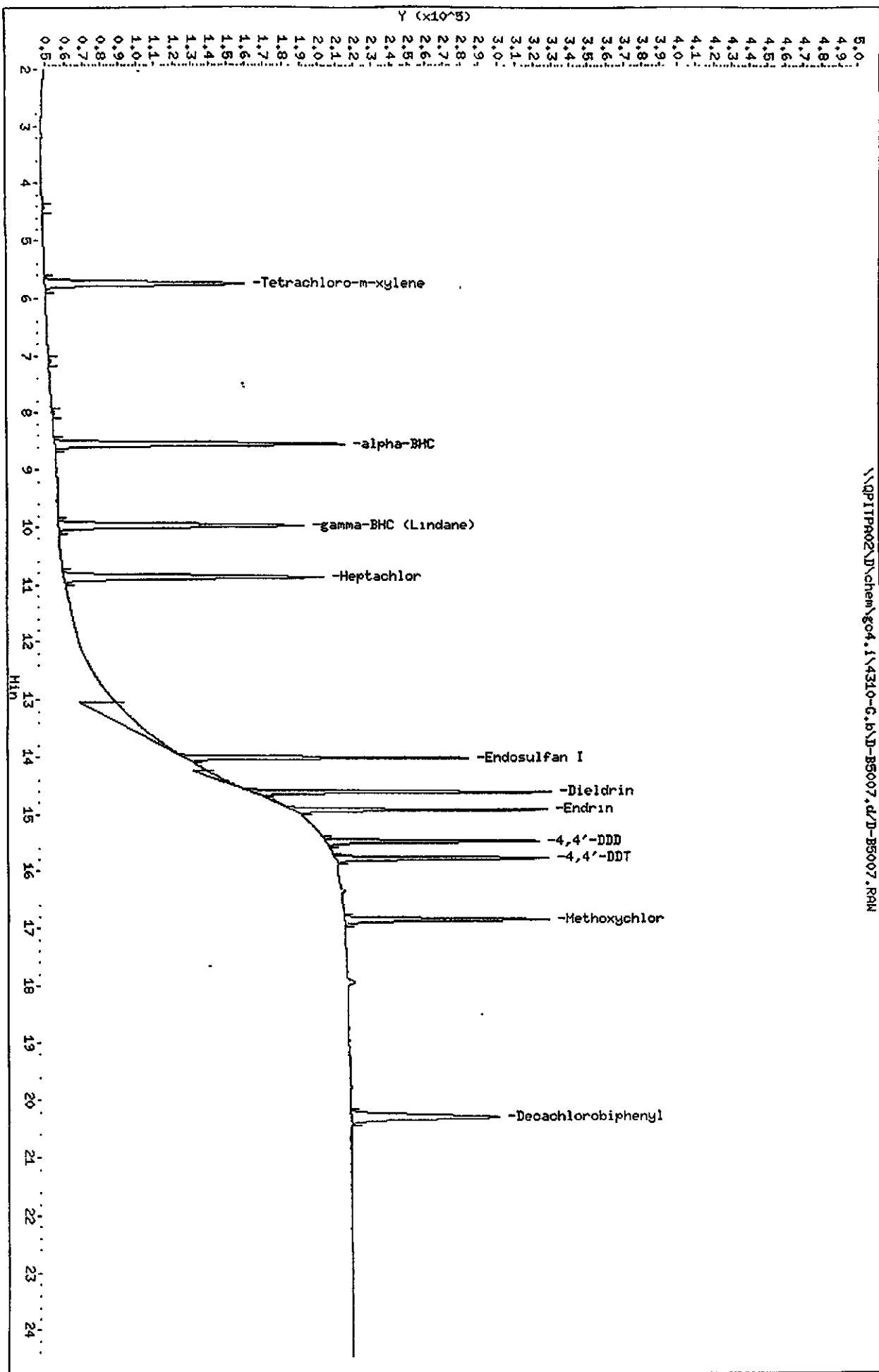
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 Lab Smp Id: MHIGHA
 Inj Date : 31-JUL-2000 11:32
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MHIGHA,4310-G.b,,3-INDA.sub,,1,4
 Misc Info : 190-84-4
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
 Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
 Als bottle: 1 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-INDA.sub
 Target Version: 4.04
 Processing Host: PITPC085

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	110127	0.05000	0.04882
5 alpha-BHC	8.553	8.553	0.000	161008	0.05000	0.05654
6 gamma-BHC (Lindane)	9.973	9.973	0.000	136448	0.05000	0.05488
10 Heptachlor	10.866	10.860	0.006	143468	0.05000	0.05261
15 Endosulfan I	14.013	14.013	0.000	157297	0.05000	0.05176
17 Dieldrin	14.606	14.606	0.000	165966	0.05000	0.05159
20 Endrin	14.920	14.920	0.000	141085	0.05000	0.04519
21 4,4'-DDD	15.480	15.480	0.000	118117	0.05000	0.04908
23 4,4'-DDT	15.773	15.780	-0.007	118440	0.05000	0.05138
25 Methoxychlor	16.846	16.846	0.000	113211	0.10000	0.1029
\$ 30 Decachlorobiphenyl	20.293	20.300	-0.007	81693	0.05000	0.05035

666 465

Data File: \\QPI1P02\chem\gc4.1\4310-G.b\D-B5007.d
 Date: 31-JUL-2000 11:32
 Client ID:
 Sample Info: HHIGHA, 4310-G, b, 3-INDA, sub, 1, 4
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5008.d
Lab Smp Id: HIGHA
Inj Date : 31-JUL-2000 11:59
Operator : 1891 Inst ID: gc4.i
Smp Info : HIGHA,4310-G.b,,3-INDA.sub,,1,5
Misc Info : 190-84-5
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-INDA.sub
Target Version: 4.04
Processing Host: PITPC085

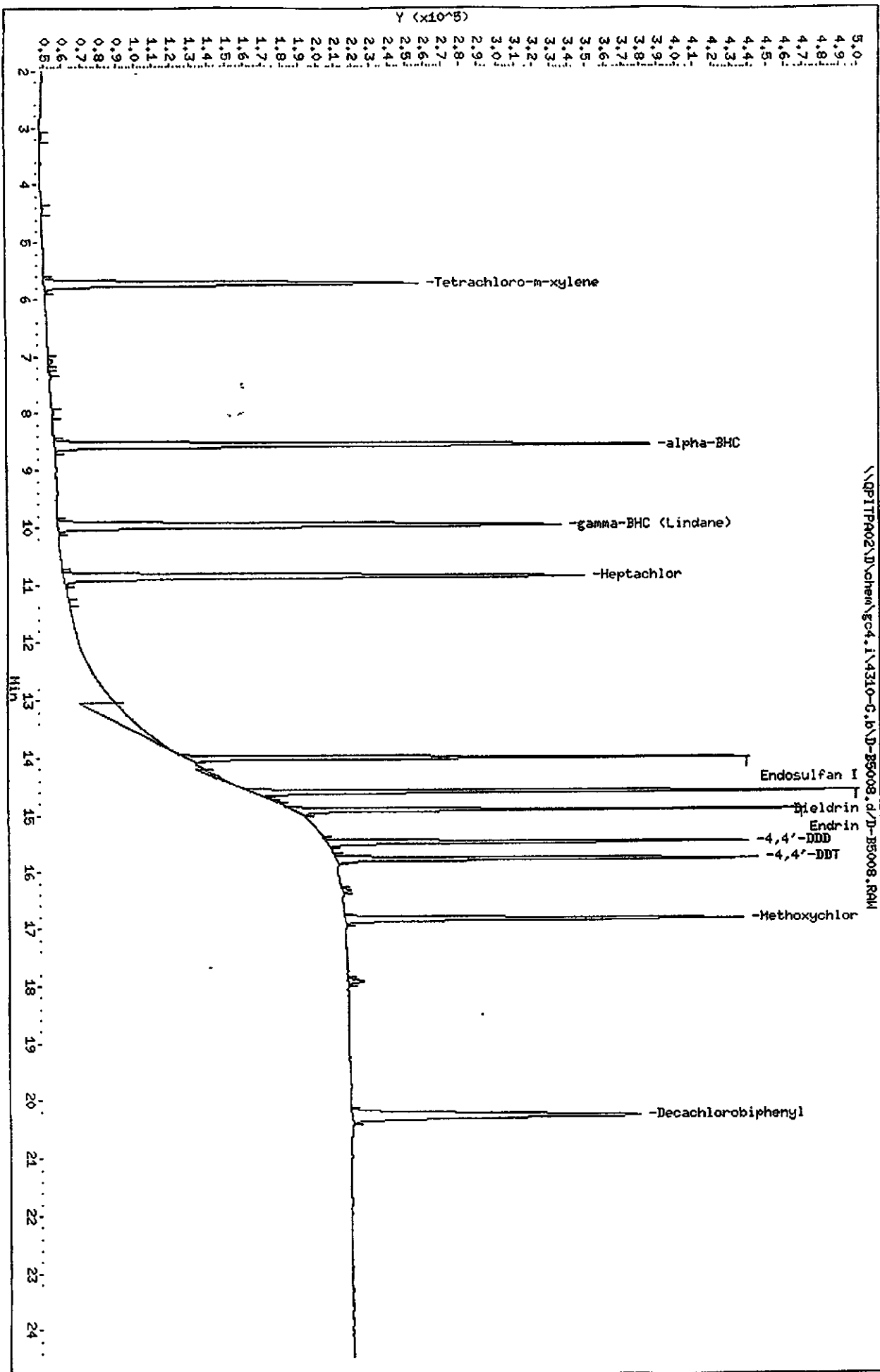
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.733	5.733	0.000	207170	0.10000	0.09336
5 alpha-BHC	8.553	8.553	0.000	330951	0.10000	0.1126(A)
6 gamma-BHC (Lindane)	9.973	9.973	0.000	278840	0.10000	0.1095(A)
10 Heptachlor	10.860	10.860	0.000	288486	0.10000	0.1046(A)
15 Endosulfan I	14.013	14.013	0.000	312403	0.10000	0.1022(A)
17 Dieldrin	14.606	14.606	0.000	336457	0.10000	0.1036(A)
20 Endrin	14.920	14.920	0.000	284491	0.10000	0.09276
21 4,4'-DDD	15.480	15.480	0.000	234132	0.10000	0.09782
23 4,4'-DDT	15.780	15.780	0.000	233836	0.10000	0.1011(A)
25 Methoxychlor	16.846	16.846	0.000	221058	0.20000	0.2008(A)
\$ 30 Decachlorobiphenyl	20.293	20.300	-0.007	159248	0.10000	0.09852

QC Flag Legend

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

Data File: \\QPIITPA02\N\chem\gc4.i\4310-G.b\D-B5008.d
Date : 31-JUL-2000 11:59
Client ID:
Sample Info: HICHQ, 4310-G.b, 3-INDH, sub, 1,5
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

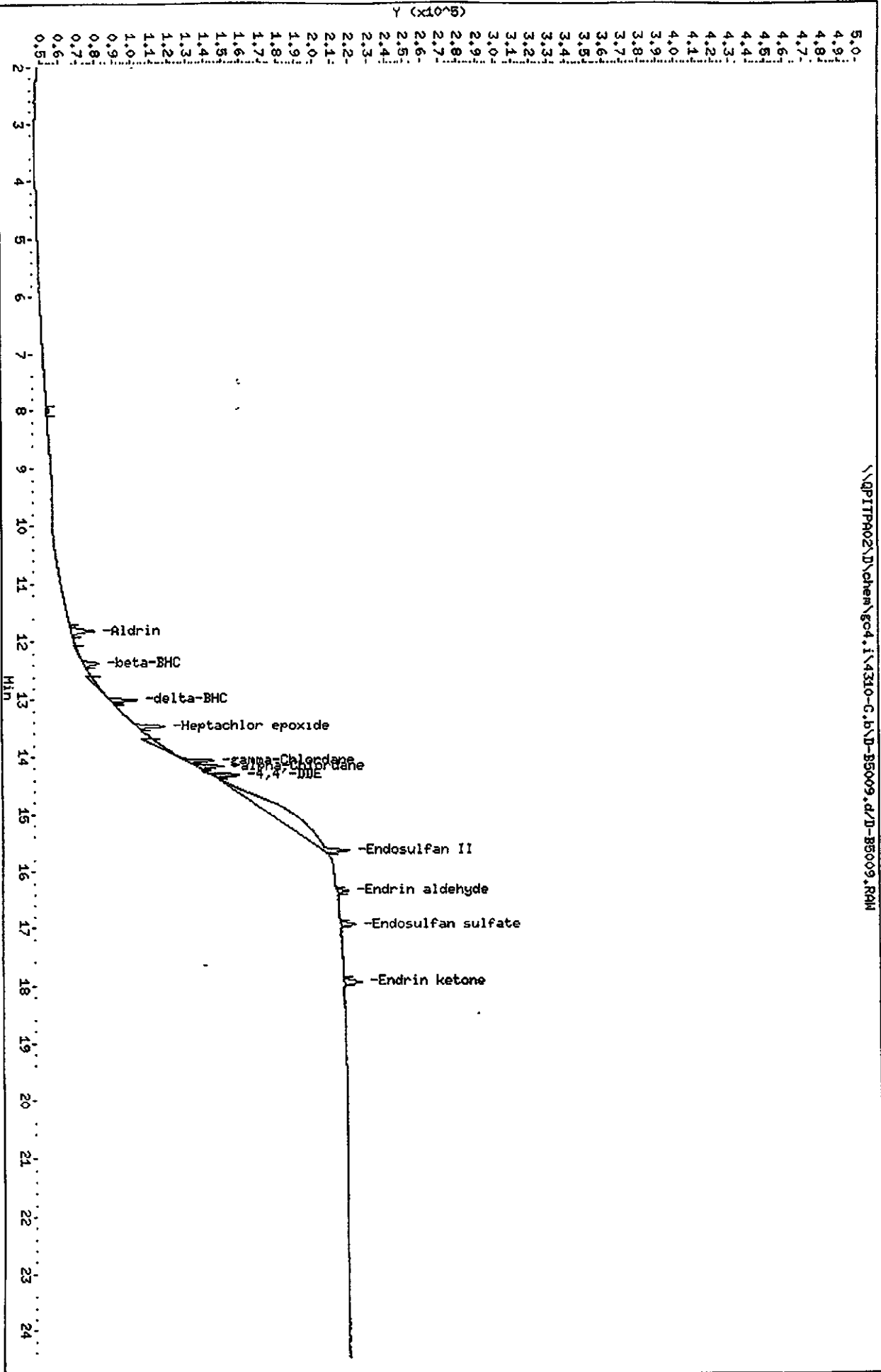
Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5009.d
 Lab Smp Id: LOWB
 Inj Date : 31-JUL-2000 12:27
 Operator : 1891 Inst ID: gc4.i
 Smp Info : LOWB,4310-G.b,,4-INDB.sub,,1,1
 Misc Info : 190-84-7
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
 Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
 Als bottle: 1 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4-INDB.sub
 Target Version: 4.04
 Processing Host: PITPC085

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.813	11.813	0.000	12318	0.00500	0.004779
7 beta-BHC	12.373	12.373	0.000	7755	0.00500	0.004971
8 delta-BHC	13.006	13.006	0.000	15018	0.00500	0.004774
12 Heptachlor epoxide	13.473	13.473	0.000	15563	0.00500	0.005007
13 gamma-Chlordane	14.073	14.073	0.000	15143	0.00500	0.004942
14 alpha-Chlordane	14.166	14.166	0.000	15458	0.00500	0.005026
16 4,4'-DDE	14.313	14.313	0.000	15343	0.00500	0.004926
22 Endosulfan II	15.633	15.633	0.000	14409	0.00500	0.005316
24 Endrin aldehyde	16.333	16.333	0.000	6193	0.00500	0.004970
26 Endosulfan sulfate	16.940	16.940	0.000	8199	0.00500	0.004918
27 Endrin ketone	17.940	17.940	0.000	9543	0.00500	0.004899

Data File: \\APITPA02\chem\gc4.i\4330-G.b\D-B5009.d
 Date : 31-JUL-2000 12:27
 Client ID:
 Sample Info: LOMB,4330-G.b,,4-INDB,sub,,1,1
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53

\\APITPA02\chem\gc4.i\4330-G.b\D-B5009.d\I-D-B5009.RAW



Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5010.d
Report Date: 01-Aug-2000 16:02

666 470

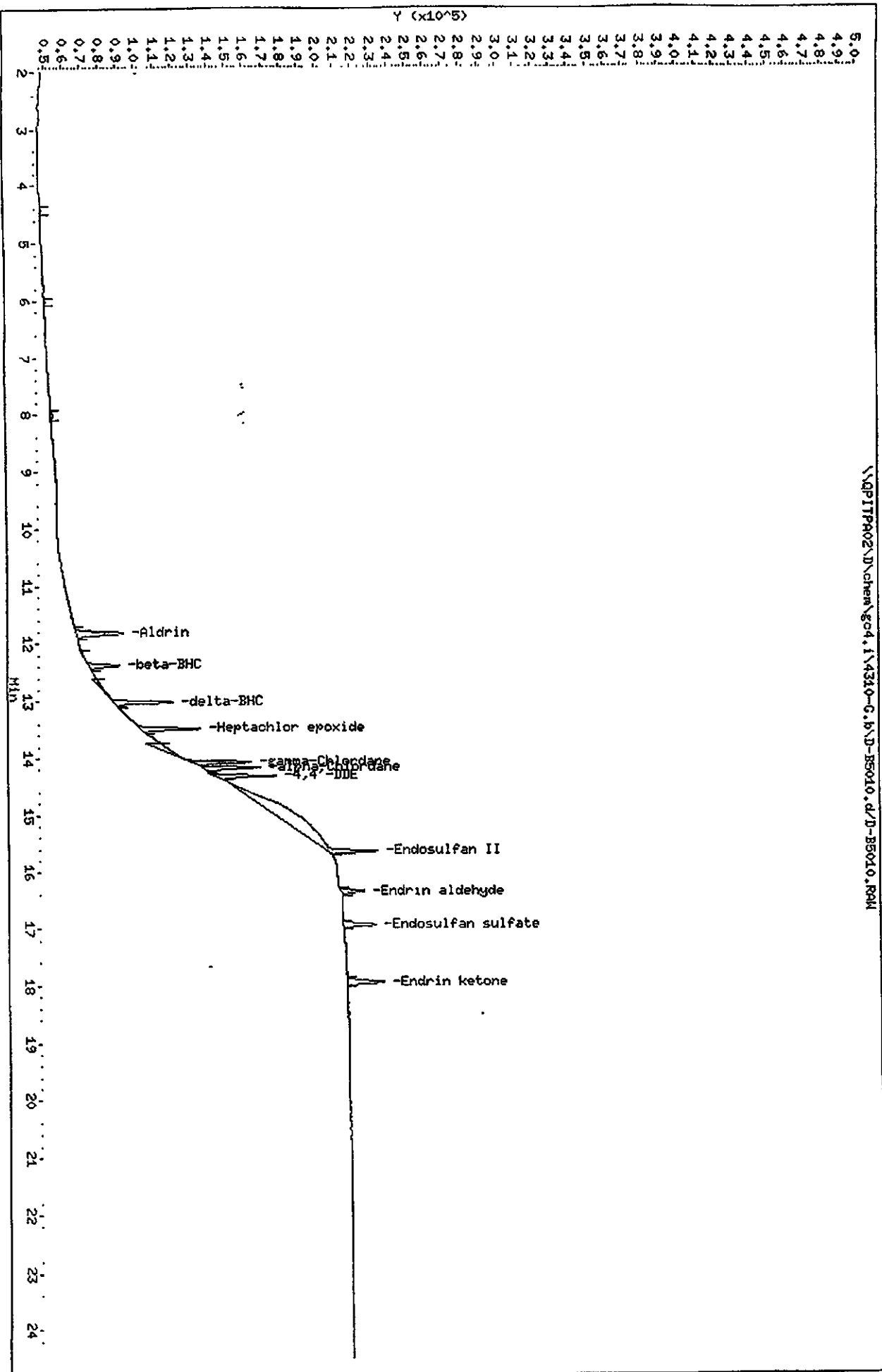
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5010.d
Lab Smp Id: MLOWB
Inj Date : 31-JUL-2000 12:55
Operator : 1891 Inst ID: gc4.i
Smp Info : MLOWB,4310-G.b,,4-INDB.sub,,1,2
Misc Info : 190-84-8
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 13:23 Cal File: D-B5011.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.826	11.813	0.013	26422	0.01000	0.01016
7 beta-BHC	12.380	12.373	0.007	16608	0.01000	0.01042
8 delta-BHC	13.013	13.006	0.007	32570	0.01000	0.01023
12 Heptachlor epoxide	13.480	13.473	0.007	32844	0.01000	0.01037
13 gamma-Chlordane	14.073	14.073	0.000	32516	0.01000	0.01040
14 alpha-Chlordane	14.173	14.166	0.007	32252	0.01000	0.01032
16 4,4'-DDE	14.320	14.313	0.007	33070	0.01000	0.01040
22 Endosulfan II	15.640	15.633	0.007	28507	0.01000	0.01034
24 Endrin aldehyde	16.340	16.333	0.007	12870	0.01000	0.01022
26 Endosulfan sulfate	16.946	16.940	0.006	17612	0.01000	0.01037
27 Endrin ketone	17.946	17.940	0.006	20530	0.01000	0.01035

Data File: \\NPITPA02\chem\gc4.1\4310-G.b\D-B5010.d
 Date: 31-JUL-2000 12:55
 Client ID:
 Sample Info: HLQNB, 4310-G.b, 4-INDB, sub, 1,2
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5011.d
Report Date: 01-Aug-2000 16:02

666 472

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Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5011.d
Lab Smp Id: MEDEB
Inj Date : 31-JUL-2000 13:23
Operator : 1891
Smp Info : MEDEB,4310-G.b,,4-INDB.sub,,1,3
Misc Info : 190-84-9
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 13:23
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

Inst ID: gc4.i

Quant Type: ESTD

Cal File: D-B5011.d

Calibration Sample, Level: 3

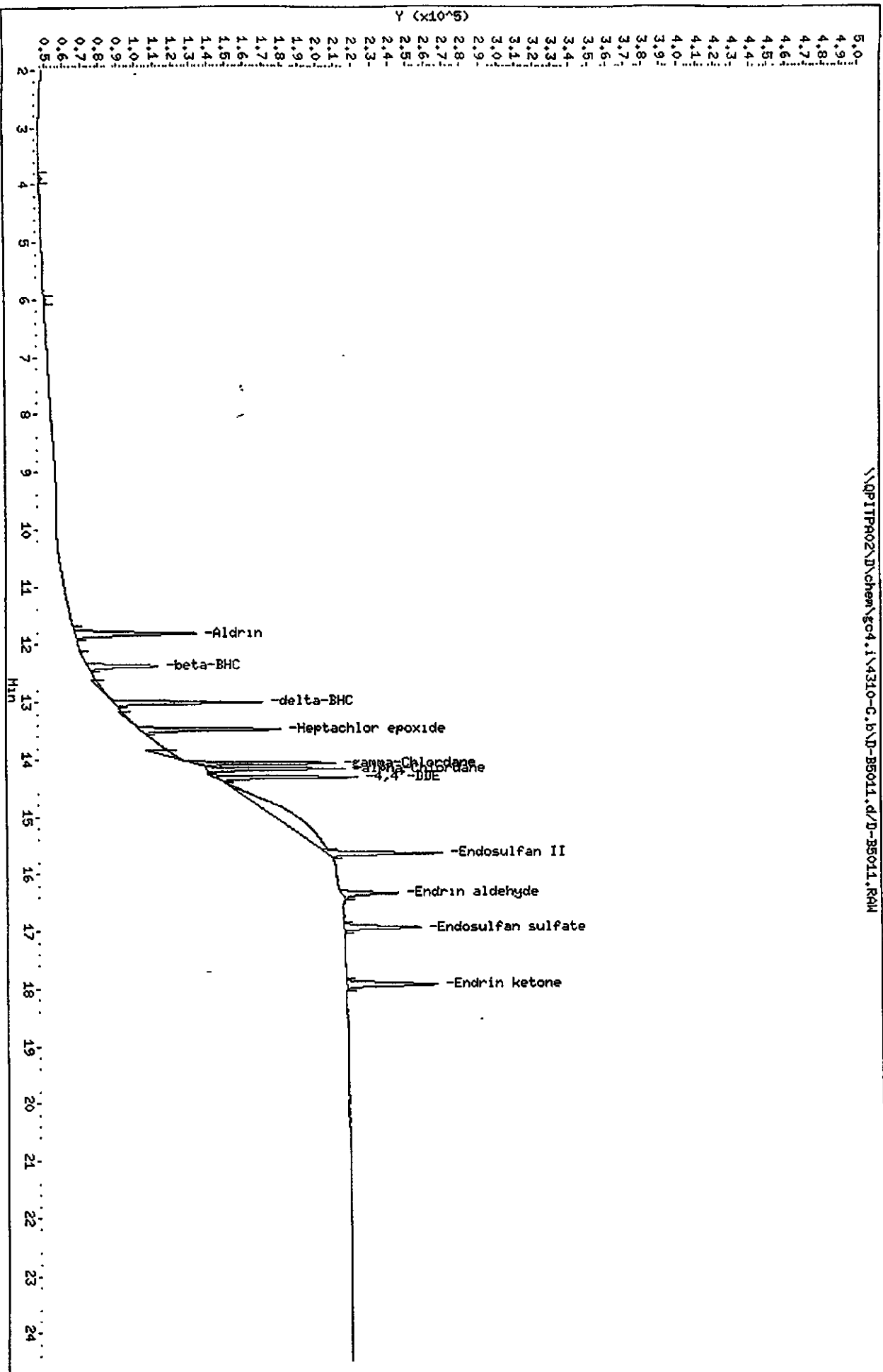
Compound Sublist: 4-INDB.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.813	11.813	0.000	67292	0.02500	0.02500
7 beta-BHC	12.373	12.373	0.000	39222	0.02500	0.02500
8 delta-BHC	13.006	13.006	0.000	82190	0.02500	0.02500
12 Heptachlor epoxide	13.473	13.473	0.000	77588	0.02500	0.02500
13 gamma-Chlordane	14.073	14.073	0.000	77493	0.02500	0.02500
14 alpha-Chlordane	14.166	14.166	0.000	76486	0.02500	0.02500
16 4,4'-DDE	14.313	14.313	0.000	79004	0.02500	0.02500
22 Endosulfan II	15.633	15.633	0.000	63467	0.02500	0.02500
24 Endrin aldehyde	16.333	16.333	0.000	31345	0.02500	0.02500
26 Endosulfan sulfate	16.940	16.940	0.000	42365	0.02500	0.02500
27 Endrin ketone	17.940	17.940	0.000	49682	0.02500	0.02500

666 473

Data File: \NPITPA02\chem\gc4.i\4310-G.b\D-B5011.d
Date : 31-JUL-2000 13:23
Client ID:
Sample Info: HEDB,4310-G.b,4-INDB.sub,1,3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5012.d
Lab Smp Id: MHIGHB
Inj Date : 31-JUL-2000 13:50
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHB, 4310-G.b, , 4-INDB.sub, , 1, 4
Misc Info : 190-84-10
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 13:50 Cal File: D-B5012.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	**	*****	*****	*****	*****	*****
11 Aldrin	11.806	11.813	-0.007	146878	0.05000	0.05473
7 beta-BHC	12.366	12.373	-0.007	81167	0.05000	0.05070
8 delta-BHC	13.006	13.006	0.000	186798	0.05000	0.05625
12 Heptachlor epoxide	13.473	13.473	0.000	168987	0.05000	0.05248
13 gamma-Chlordane	14.066	14.073	-0.007	168796	0.05000	0.05293
14 alpha-Chlordane	14.166	14.166	0.000	162584	0.05000	0.05150
16 4,4'-DDE	14.313	14.313	0.000	170556	0.05000	0.05269
22 Endosulfan II	15.633	15.633	0.000	140770	0.05000	0.05079
24 Endrin aldehyde	16.326	16.333	-0.007	68166	0.05000	0.05302
26 Endosulfan sulfate	16.933	16.940	-0.007	92008	0.05000	0.05306
27 Endrin ketone	17.933	17.940	-0.007	105980	0.05000	0.05254

Column diameter: 0.53

$$Y \text{ (}\times 10^5\text{)}$$


STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5013.d
Lab Smp Id: HIGHB
Inj Date : 31-JUL-2000 14:18
Operator : 1891 Inst ID: gc4.i
Smp Info : HIGHB,4310-G.b,,4-INDB.sub,,1,5
Misc Info : 190-84-11
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-INDB.sub
Target Version: 4.04
Processing Host: PITPC085

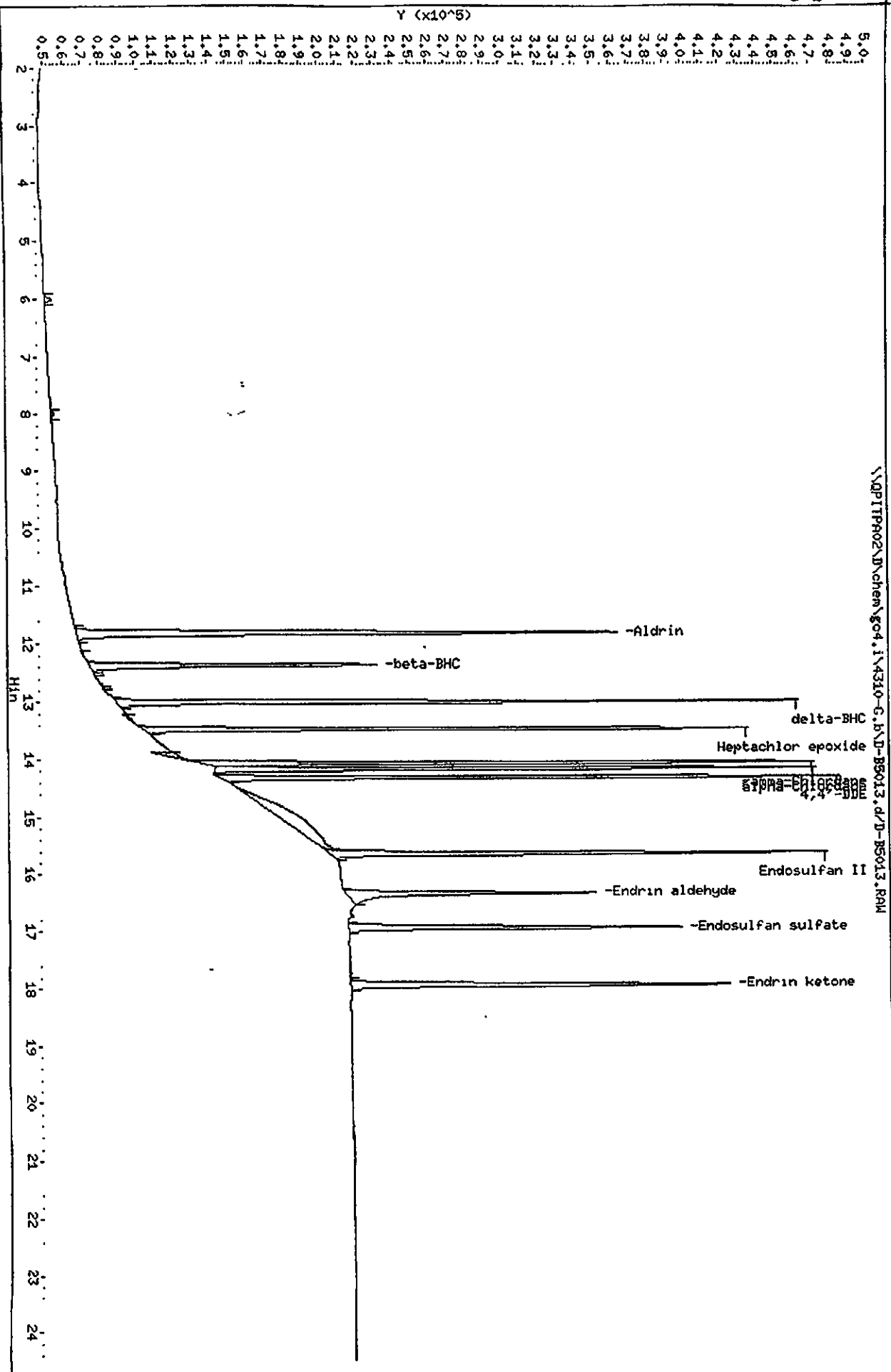
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.813	11.813	0.000	297530	0.10000	0.1085 (A)
7 beta-BHC	12.373	12.373	0.000	158028	0.10000	0.09896
8 delta-BHC	13.006	13.006	0.000	374950	0.10000	0.1101 (A)
12 Heptachlor epoxide	13.473	13.473	0.000	333059	0.10000	0.1027 (A)
13 gamma-Chlordane	14.066	14.073	-0.007	336908	0.10000	0.1045 (A)
14 alpha-Chlordane	14.166	14.166	0.000	330632	0.10000	0.1037 (A)
16 4,4'-DDE	14.313	14.313	0.000	340339	0.10000	0.1041 (A)
22 Endosulfan II	15.633	15.633	0.000	273844	0.10000	0.09904
24 Endrin aldehyde	16.333	16.333	0.000	137504	0.10000	0.1055 (A)
26 Endosulfan sulfate	16.940	16.940	0.000	183342	0.10000	0.1045 (A)
27 Endrin ketone	17.933	17.940	-0.007	208950	0.10000	0.1028 (A)

QC Flag Legend

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

Data File: \\QPI1P002\\N\\chem\\gc4.i\\4310-G.b\\D-B5013.d
Date : 31-JUL-2000 14:18
Client ID:
Sample Info: HIGHB,4310-G.b,4-INDB,sub,1,5
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5014.d
Lab Smp Id: 2ND A
Inj Date : 31-JUL-2000 14:46
Operator : 1891 Inst ID: gc4.i
Smp Info : 2ND A,4310-G.b,,INDA.sub,,2,3
Misc Info : 190-82-2
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	==	*****	*****	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.726	5.733	-0.007	42589	0.02500	0.01919
5 alpha-BHC	8.546	8.553	-0.007	56728	0.02500	0.01930
6 gamma-BHC (Lindane)	9.966	9.973	-0.007	50083	0.02500	0.01967
10 Heptachlor	10.860	10.860	0.000	54880	0.02500	0.01989
15 Endosulfan I	14.013	14.013	0.000	59997	0.02500	0.01963
17 Dieldrin	14.600	14.606	-0.006	133332	0.02500	0.04107
20 Endrin	14.920	14.920	0.000	98808	0.02500	0.03222
21 4,4'-DDD	15.480	15.480	0.000	96088	0.02500	0.04014
23 4,4'-DDT	15.773	15.780	-0.007	94033	0.02500	0.04068
25 Methoxychlor	16.846	16.846	0.000	229575	0.05000	0.2085(A)
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	66786	0.02500	0.04132

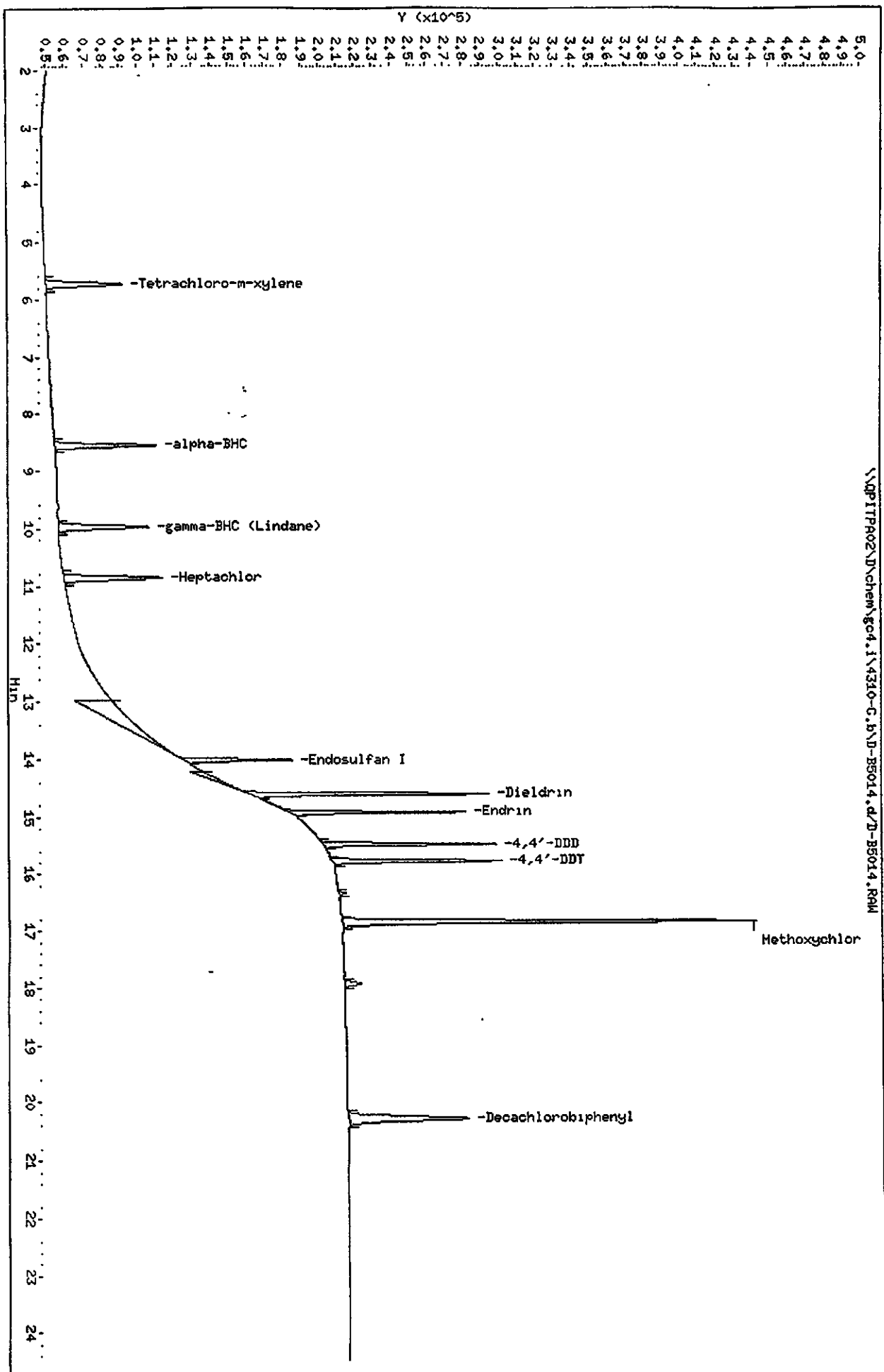
QC Flag Legend

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

666 479

Data File: \\NPITPA02\chem\gc4.i\4310-G.b\D-B5014.d
Date: 31-JUL-2000 14:46
Client ID:
Sample Info: 2ND A,4310-G.b,,INDA.sub,2,3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

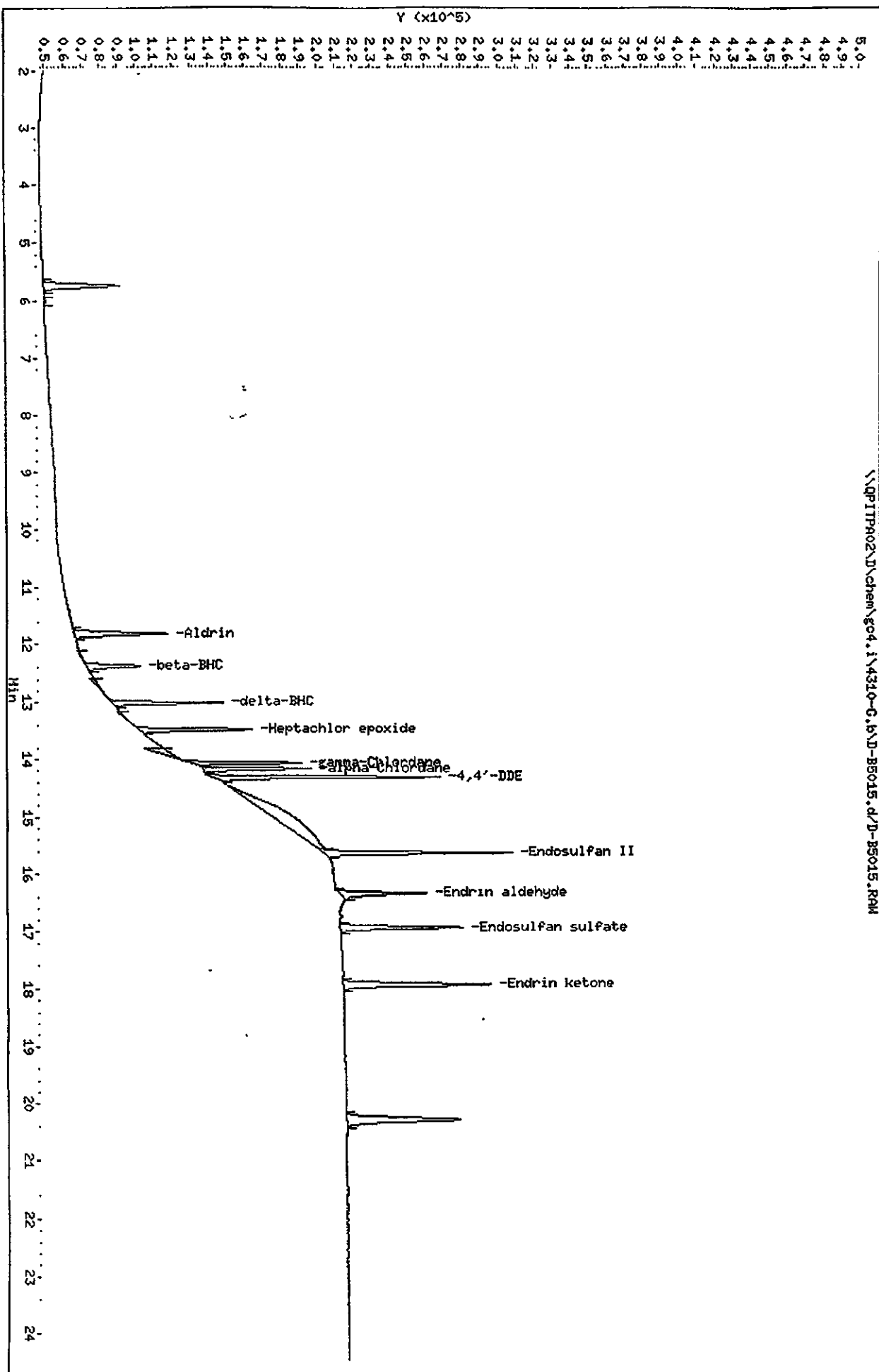
Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5015.d
Lab Smp Id: 2ND B
Inj Date : 31-JUL-2000 15:14
Operator : 1891
Smp Info : 2ND B,4310-G.b,,INDB.sub,,2,3
Misc Info : 190-82-5
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.813	11.813	0.000	51500	0.02500	0.01878
7 beta-BHC	12.373	12.373	0.000	29711	0.02500	0.01860
8 delta-BHC	13.006	13.006	0.000	61312	0.02500	0.01800
12 Heptachlor epoxide	13.473	13.473	0.000	62067	0.02500	0.01914
13 gamma-Chlordane	14.073	14.073	0.000	60531	0.02500	0.01877
14 alpha-Chlordane	14.166	14.166	0.000	60337	0.02500	0.01893
16 4,4'-DDE	14.320	14.313	0.007	125322	0.02500	0.03832
22 Endosulfan II	15.640	15.633	0.007	103797	0.02500	0.03754
24 Endrin aldehyde	16.333	16.333	0.000	48502	0.02500	0.03721
26 Endosulfan sulfate	16.940	16.940	0.000	67787	0.02500	0.03865
27 Endrin ketone	17.940	17.940	0.000	81745	0.02500	0.04024

666 481

Data File: \\QPITPA02\chem\gc4.i\4310-G.b\D-B5015.d
 Date: 31-JUL-2000 15:14
 Client ID:
 Sample Info: 2ND B,4310-G.b., INDB.sub, 2,3
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5016.d
Lab Smp Id: EVALB
Inj Date : 31-JUL-2000 15:41
Operator : 1891
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
QC Sample: PEM
Compound Sublist: EVALBR.sub

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.733	5.733	0.000	43892	0.01978	0.01978(R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	14.920	14.920	0.000	64412	0.02100	0.02100
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.780	15.780	0.000	56463	0.02442	0.02442
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	33219	0.02055	0.02055(R)

QC Flag Legend

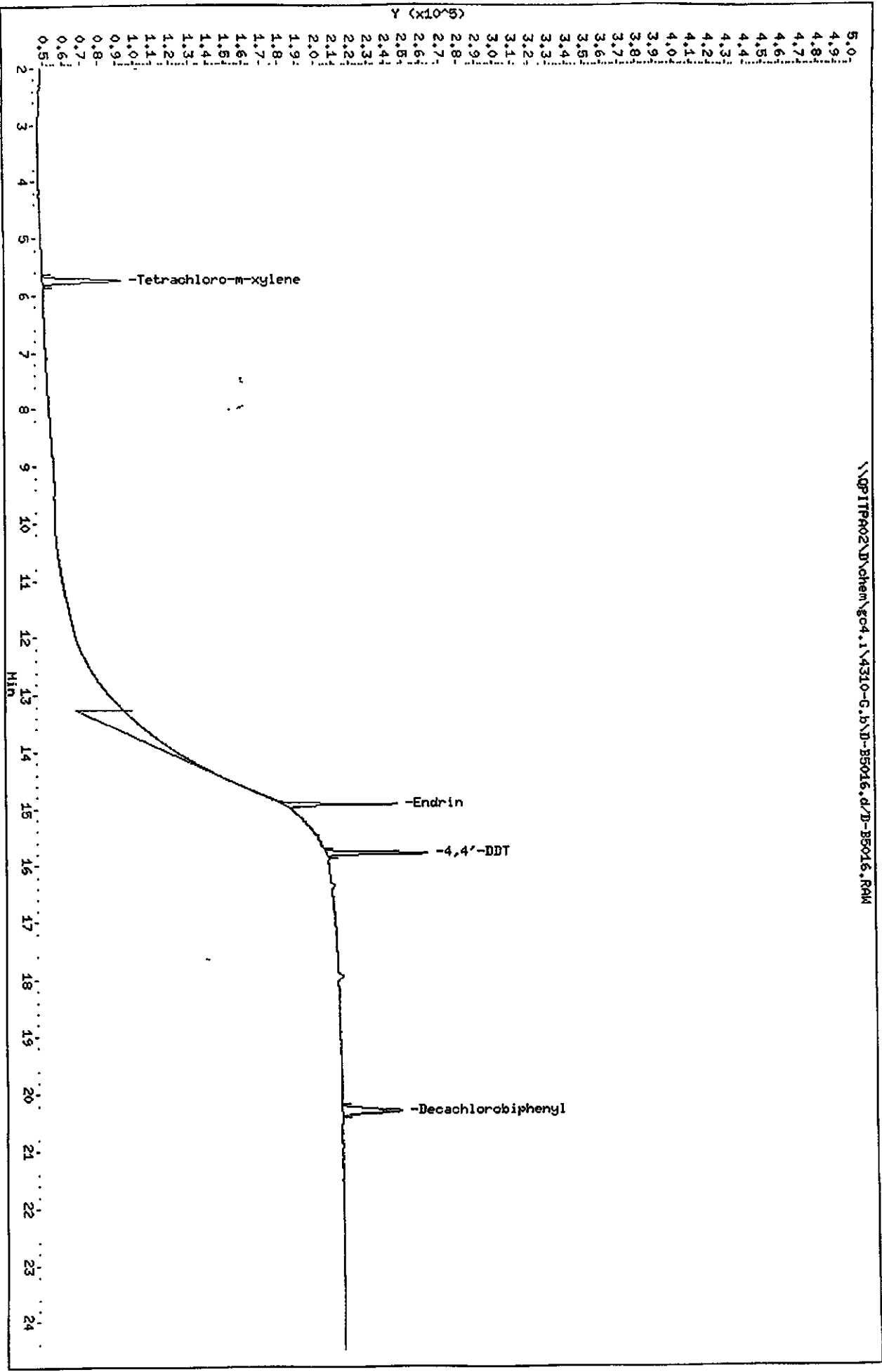
R - Spike/Surrogate failed recovery limits.

83
66
66

Data File: \\QP1TFA02\N\chem\gc4.1\4310-G.b\D-B5016.d
Date : 31-JUL-2000 15:41
Client ID:
Sample Info: EVALB,4310-G.b,,EVALBR,sub,3,4
Column Phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53

\\QP1TFA02\N\chem\gc4.1\4310-G.b\D-B5016.d\B5016.RAW



STL Pittsburgh

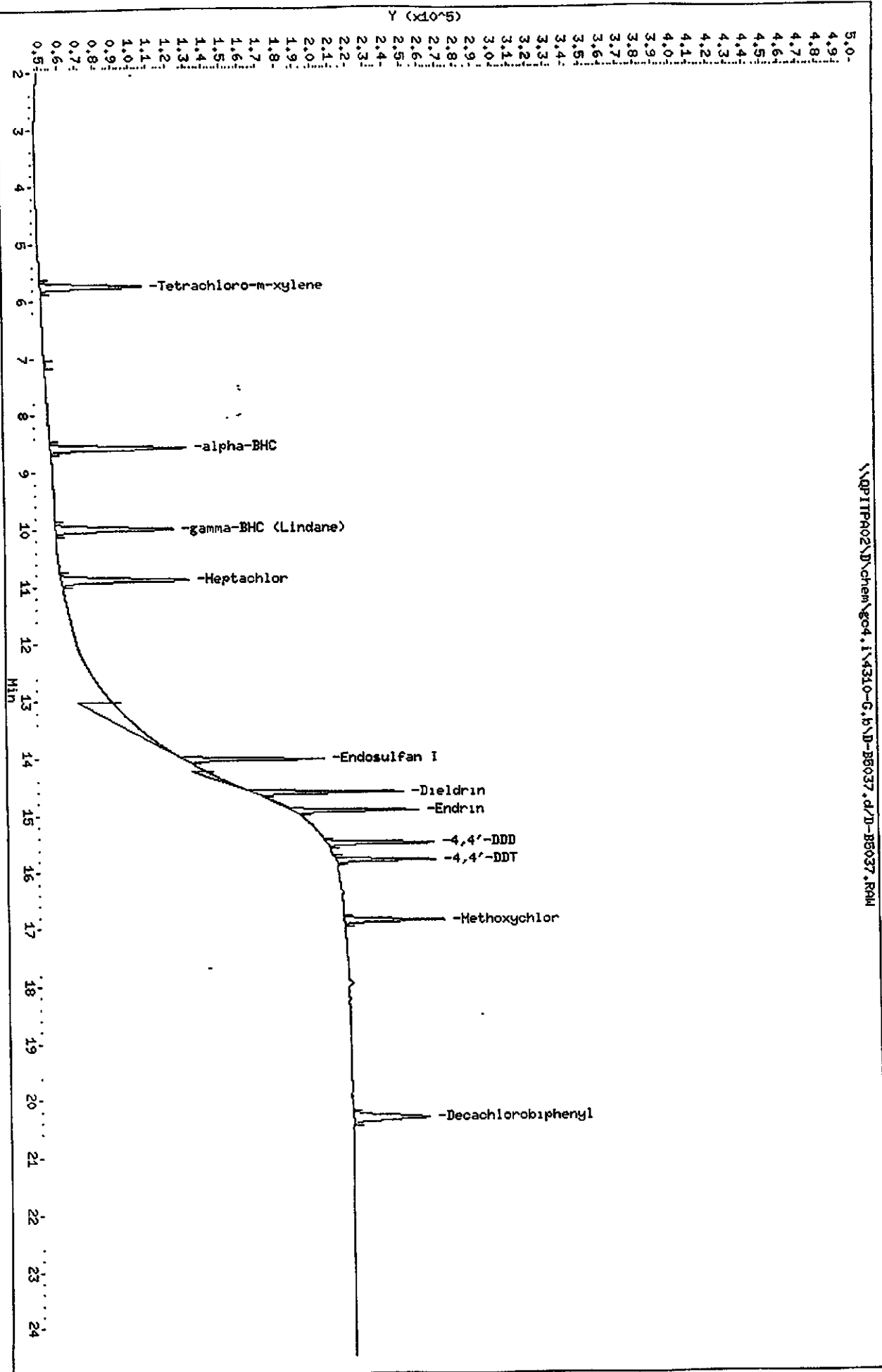
Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5037.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 01:24
Operator : 1891
Smp Info : MEDA, 4310-G.b, , INDA.sub, , 2, 3
Misc Info : 190-84-3
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
Continuing Calibration Sample
Compound Sublist: INDA.sub

		AMOUNTS					
		RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
Compounds							
=====		==	=====	=====	=====	=====	=====
\$ 1	Tetrachloro-m-xylene	5.753	5.733	0.020	56670	0.02500	0.02554
5	alpha-BHC	8.573	8.553	0.020	75473	0.02500	0.02567
6	gamma-BHC (Lindane)	9.993	9.973	0.020	65921	0.02500	0.02588
10	Heptachlor	10.880	10.860	0.020	70826	0.02500	0.02567
15	Endosulfan I	14.026	14.013	0.013	76821	0.02500	0.02514
17	Dieldrin	14.613	14.606	0.007	83676	0.02500	0.02577
20	Endrin	14.933	14.920	0.013	69652	0.02500	0.02271
21	4,4'-DDD	15.493	15.480	0.013	59937	0.02500	0.02504
23	4,4'-DDT	15.793	15.780	0.013	55657	0.02500	0.02408
25	Methoxychlor	16.866	16.846	0.020	55196	0.05000	0.05014
\$ 30	Decachlorobiphenyl	20.326	20.300	0.026	42094	0.02500	0.02604

Data File: \\NPITPA02\\chem\\gc4.1\\4310-G.b\\D-B5037.d
Date: 01-AUG-2000 01:24
Client ID:
Sample Info: MEDA, 4310-G.b, INDA, sub, 2,3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5038.d
Lab Smp Id: MEDB
Inj Date : 01-AUG-2000 01:51
Operator : 1891
Smp Info : MEDB,4310-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.833	11.813	0.020	68513	0.02500	0.02498
7 beta-BHC	12.393	12.373	0.020	39770	0.02500	0.02490
8 delta-BHC	13.026	13.006	0.020	85017	0.02500	0.02496
12 Heptachlor epoxide	13.493	13.473	0.020	80152	0.02500	0.02472
13 gamma-Chlordane	14.086	14.073	0.013	79483	0.02500	0.02465
14 alpha-Chlordane	14.180	14.166	0.014	78764	0.02500	0.02472
16 4,4'-DDE	14.326	14.313	0.013	82167	0.02500	0.02513
22 Endosulfan II	15.646	15.633	0.013	66457	0.02500	0.02404
24 Endrin aldehyde	16.346	16.333	0.013	32011	0.02500	0.02456
26 Endosulfan sulfate	16.960	16.940	0.020	43277	0.02500	0.02468
27 Endrin ketone	17.960	17.940	0.020	50963	0.02500	0.02508

666 487

Data File: \\QPITPA02\chem\gc4.1\4310-G.b\B-85038.d

Date: 01-AUG-2000 01:51

Client ID:

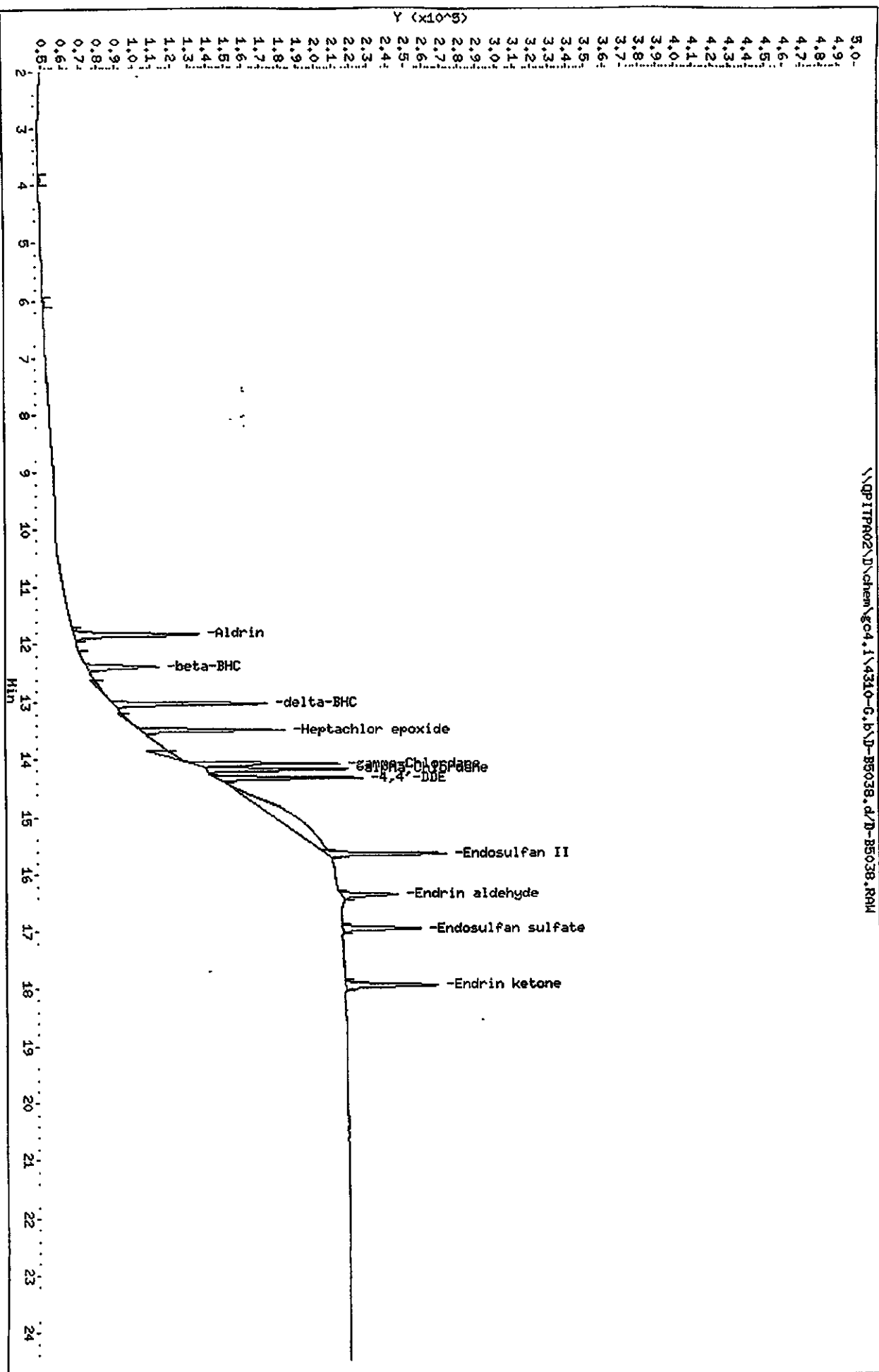
Sample Info: MED8, 4310-G, b, IND8, sub, 2, 3

Column phase: DB1701

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5039.d
Lab Smp Id: EVALB
Inj Date : 01-AUG-2000 02:19
Operator : 1891
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 15:59 colussyj
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
QC Sample: PEM
Compound Sublist: EVALBR.sub

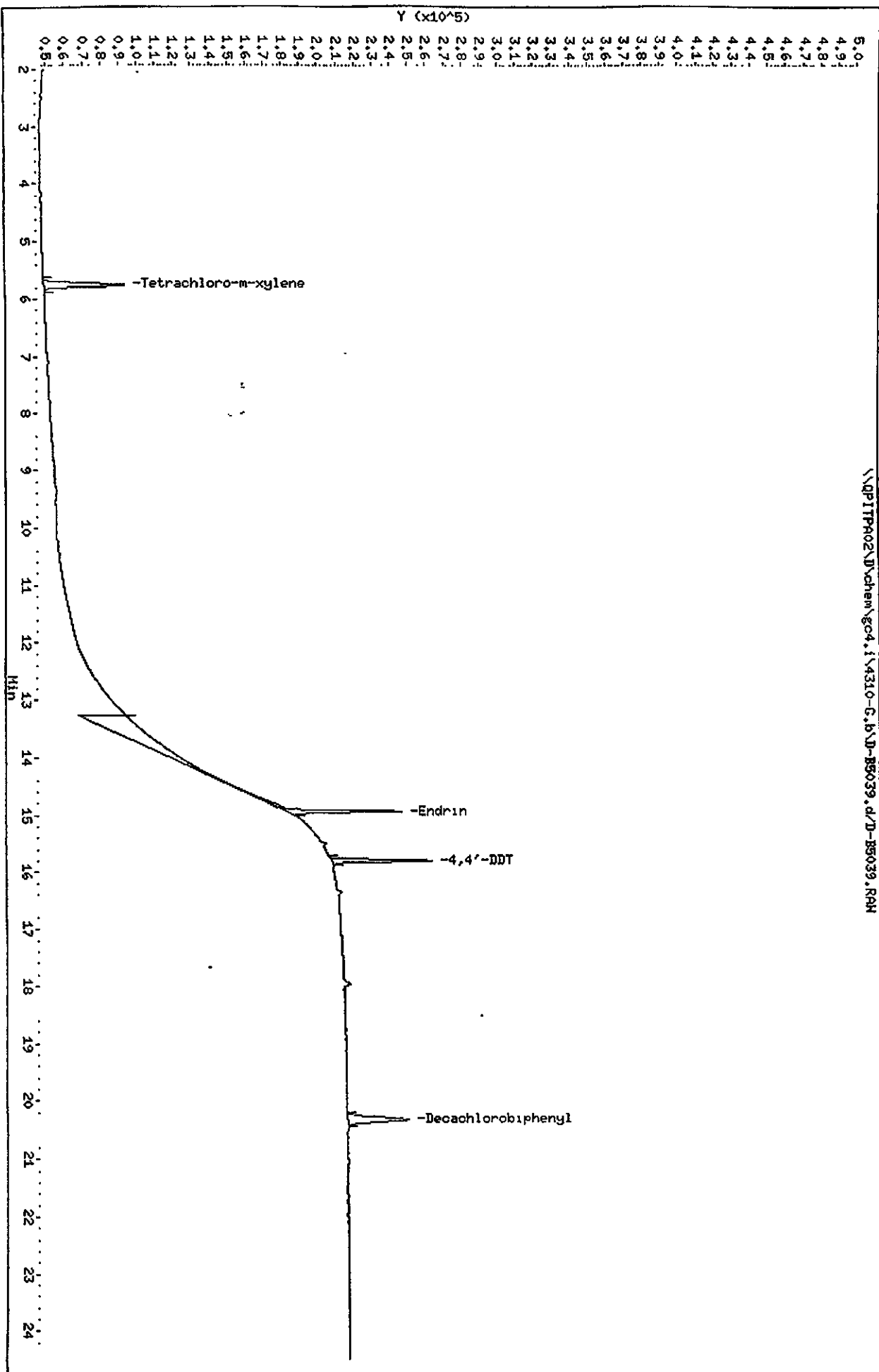
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.746	5.733	0.013	44568	0.02008	0.02008 (R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	14.926	14.920	0.006	63629	0.02075	0.02075
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.786	15.780	0.006	56145	0.02429	0.02429
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.326	20.300	0.026	33510	0.02073	0.02073 (R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\NPITPA02\chem\gc4.i\4310-G.b.D-B5039.d
 Date : 01-AUG-2000 02:19
 Client ID:
 Sample Info: EVALB,4310-G.b, EVALBR,sub,,3,1
 Column phase: DB1701

Instrument: gc4.i
 Operator: 1891
 Column diameter: 0.53



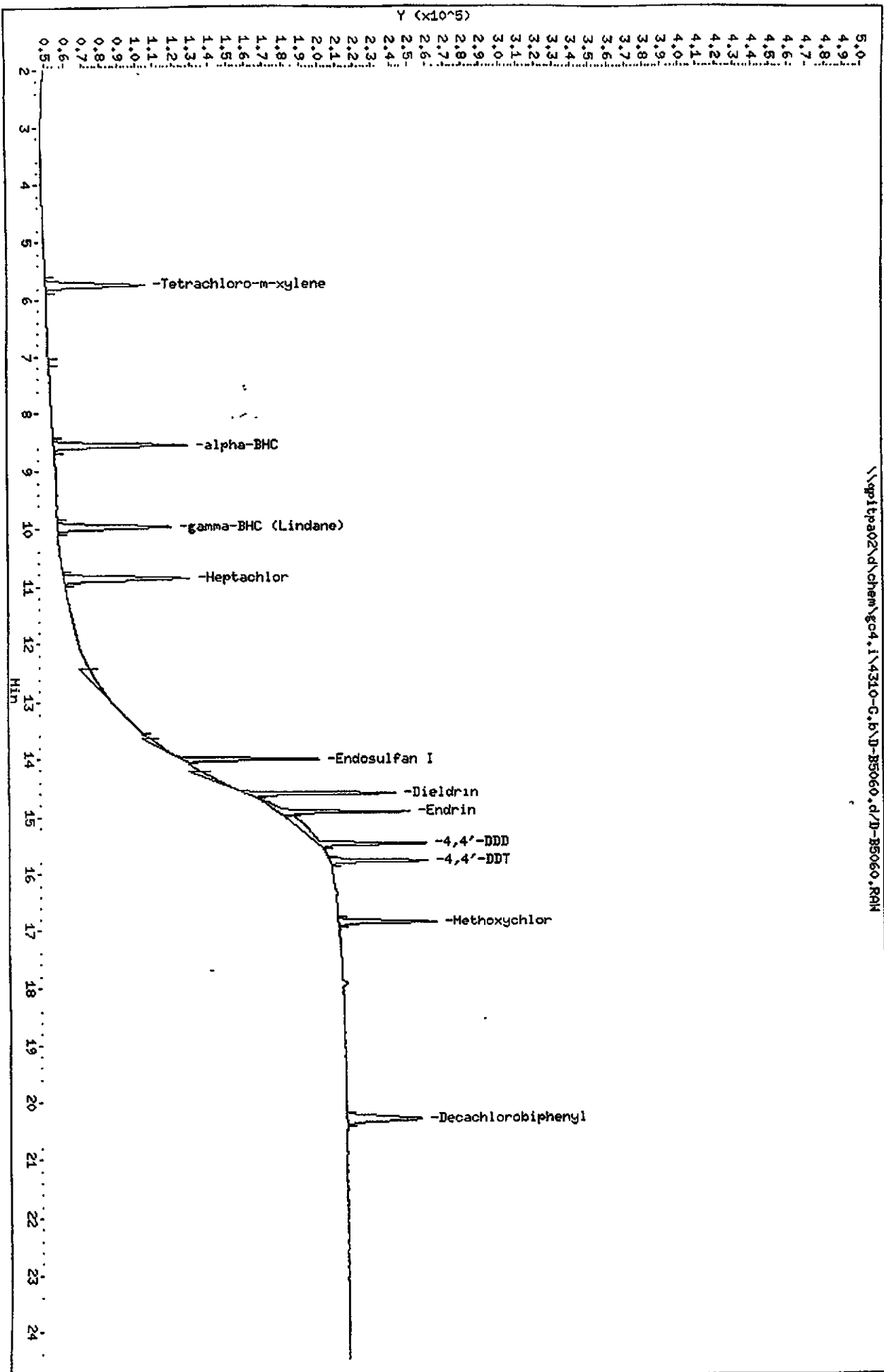
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5060.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 12:42
Operator : 1891
Smp Info : MEDA, 4310-G.b, , INDA.sub, , 2, 3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 16:40 MatkoL
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC044
Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
Continuing Calibration Sample
Compound Sublist: INDA.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	55168	0.02500	0.02486
5 alpha-BHC	8.553	8.553	0.000	73654	0.02500	0.02505
6 gamma-BHC (Lindane)	9.966	9.973	-0.007	63496	0.02500	0.02493
10 Heptachlor	10.860	10.860	0.000	69496	0.02500	0.02519
15 Endosulfan I	14.013	14.013	0.000	75025	0.02500	0.02455
17 Dieldrin	14.600	14.606	-0.006	81955	0.02500	0.02524
20 Endrin	14.920	14.920	0.000	72489	0.02500	0.02364
21 4,4'-DDD	15.473	15.480	-0.007	60283	0.02500	0.02518
23 4,4'-DDT	15.773	15.780	-0.007	54555	0.02500	0.02360
25 Methoxychlor	16.846	16.846	0.000	54039	0.05000	0.04909
\$ 30 Decachlorobiphenyl	20.293	20.300	-0.007	41012	0.02500	0.02537

Data File: \\pittpa02\chem\gc4.1\4310-G.b\D-B5060.d
Date: 01-AUG-2000 12:42
Client ID:
Sample Info: HEDA, 4310-G.b, INDA, sub, 2.3
Column phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-B5061.d
Lab Smp Id: MEDB
Inj Date : 01-AUG-2000 13:10
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB, 4310-G.b, , INDB.sub, , 2, 3
Misc Info : 190-84-9
Comment :
Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 16:40 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.820	11.813	0.007	67892	0.02500	0.02476
7 beta-BHC	12.373	12.373	0.000	39649	0.02500	0.02483
8 delta-BHC	13.006	13.006	0.000	84239	0.02500	0.02473
12 Heptachlor epoxide	13.480	13.473	0.007	79344	0.02500	0.02447
13 gamma-Chlordane	14.073	14.073	0.000	79322	0.02500	0.02460
14 alpha-Chlordane	14.166	14.166	0.000	78927	0.02500	0.02477
16 4,4'-DDB	14.313	14.313	0.000	81731	0.02500	0.02499
22 Endosulfan II	15.633	15.633	0.000	67150	0.02500	0.02428
24 Endrin aldehyde	16.333	16.333	0.000	32002	0.02500	0.02455
26 Endosulfan sulfate	16.940	16.940	0.000	42630	0.02500	0.02431
27 Endrin ketone	17.940	17.940	0.000	50705	0.02500	0.02496

666 493

Data File: \\pittpa02\chem\gc04.i\4310-G.b\B-85061.d

Date: 01-AUG-2000 13:10

Client ID:

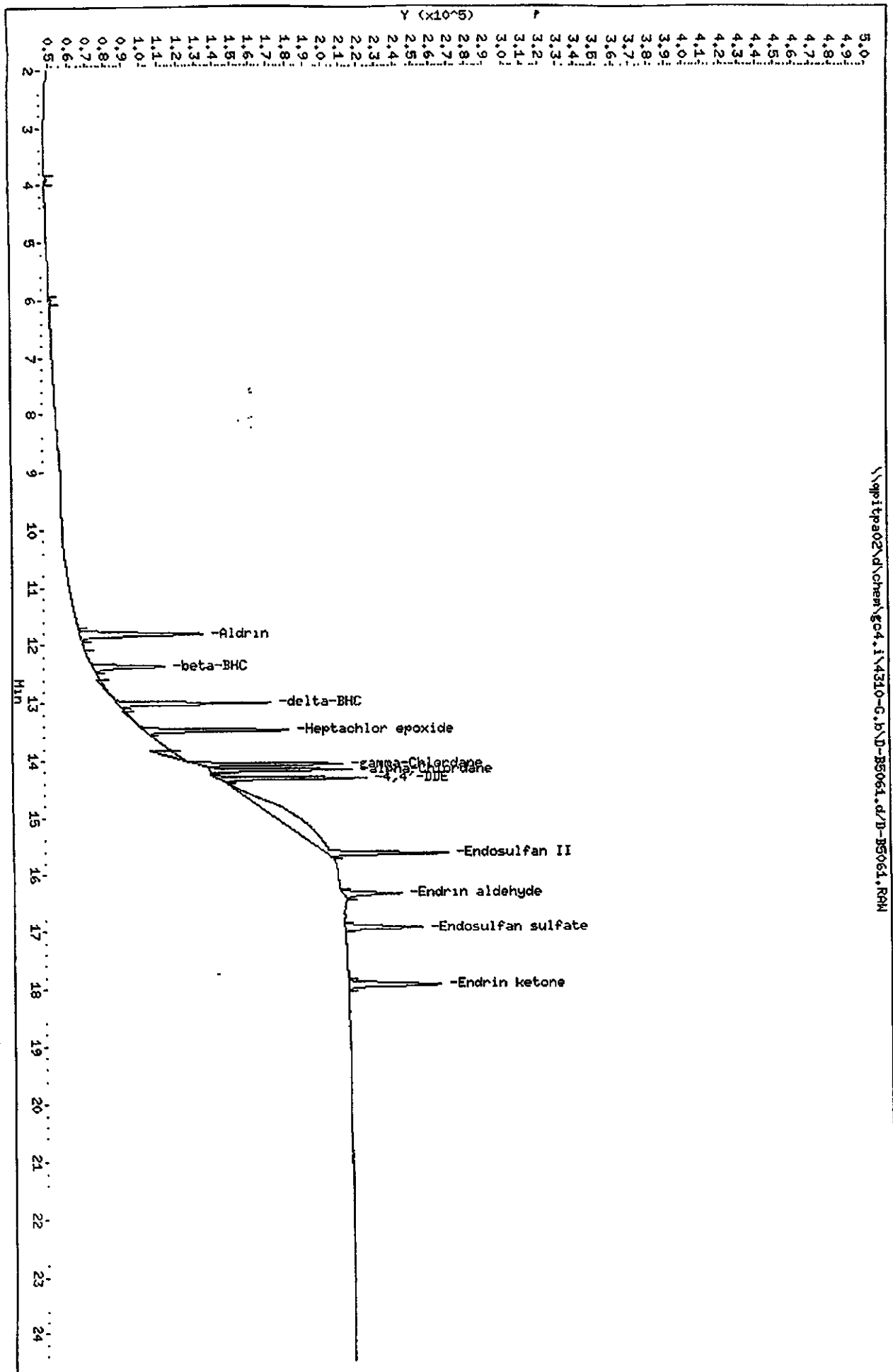
Sample Info: HEDB, 4310-G.b, INDB, sub., 2, 3

Column phase: DB1701

Instrument: gc04.i

Operator: 1891

Column diameter: 0.53



STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5062.d
Lab Smp Id: EVALB
Inj Date : 01-AUG-2000 13:38
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,4310-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 01-Aug-2000 16:40 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	45088	0.02032	0.02032 (R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	14.920	14.920	0.000	65352	0.02131	0.02131
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.773	15.780	-0.007	55455	0.02399	0.02399
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.300	20.300	0.000	33495	0.02072	0.02072 (R)

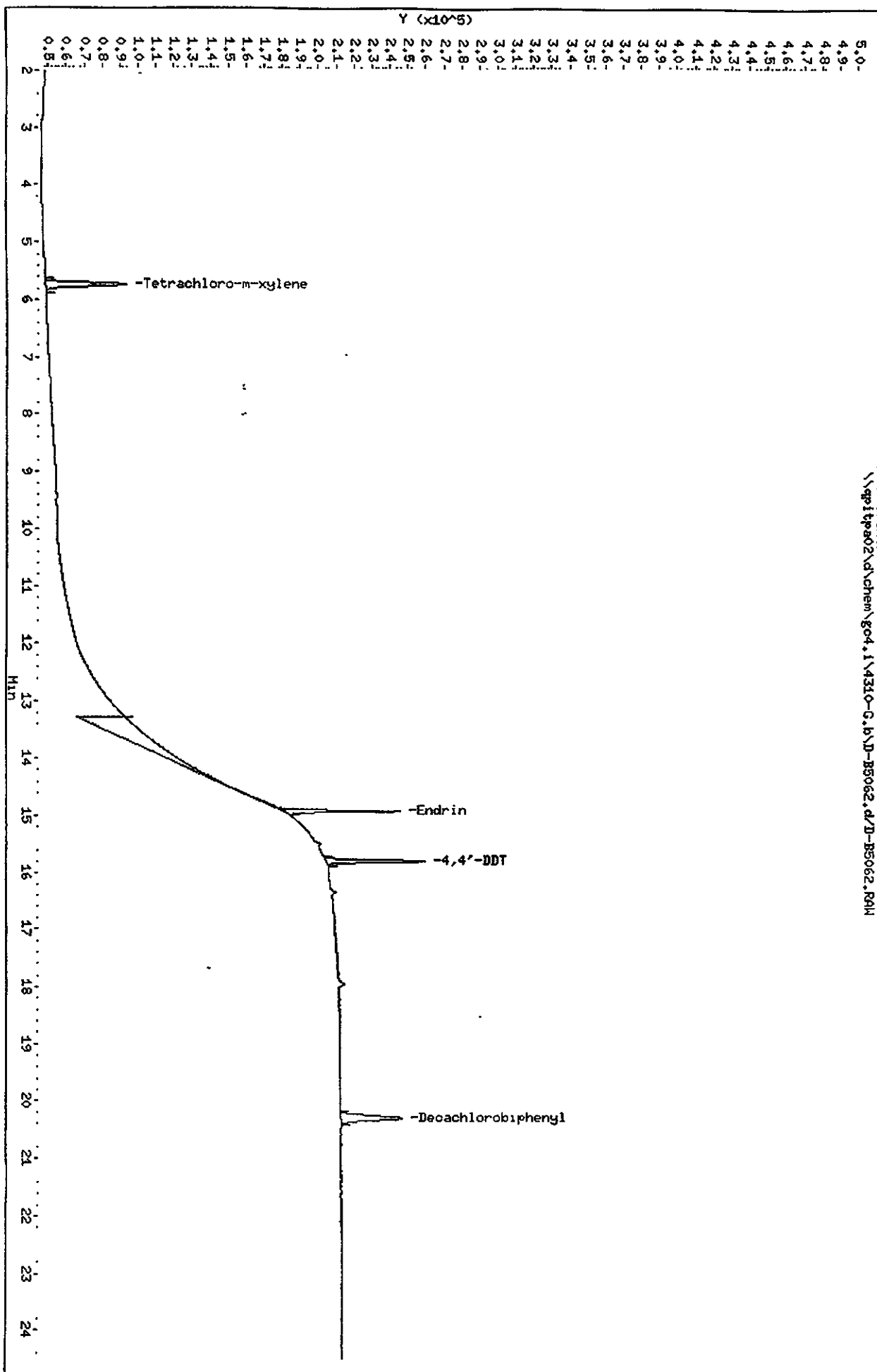
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

666 495

Date File: \\pittpa02\chem\gc4.1\4310-G.b.D-B5062.d
 Date : 01-AUG-2000 13:38
 Client ID:
 Sample Info: EVALB,4310-G.b, EVALBR,sub,3,1
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



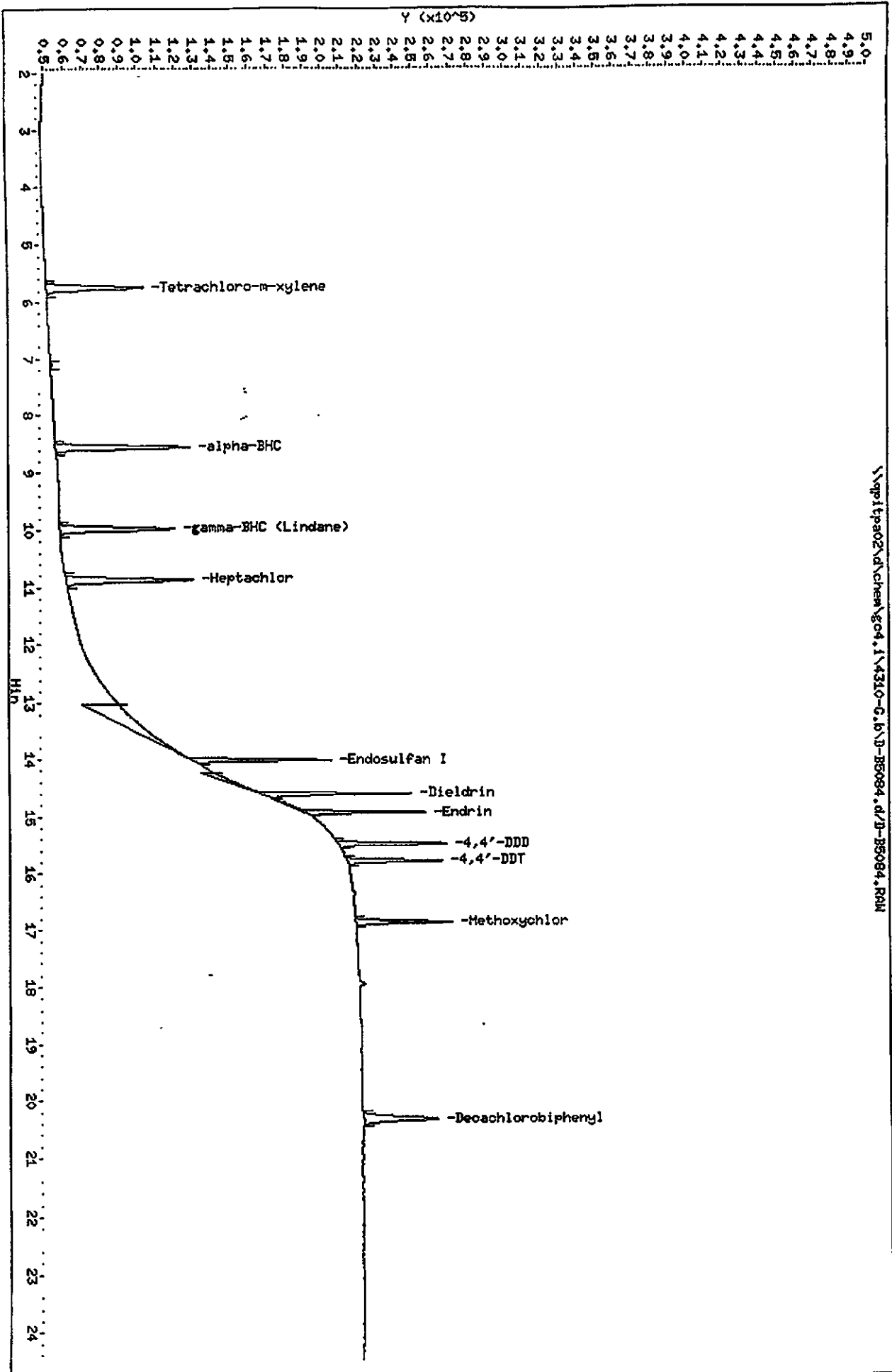
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5084.d
Lab Smp Id: MEDA
Inj Date : 01-AUG-2000 23:48
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA,4310-G.b,,INDA.sub,,2,3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 02-Aug-2000 14:12 matkol Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04
Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	CN-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.753	5.740	0.013	52790	0.02500	0.02379
5 alpha-BHC	8.560	8.553	0.007	72565	0.02500	0.02468
6 gamma-BHC (Lindane)	9.980	9.966	0.014	62474	0.02500	0.02453
10 Heptachlor	10.873	10.860	0.013	68865	0.02500	0.02496
15 Endosulfan I	14.020	14.013	0.007	75846	0.02500	0.02482
17 Dieldrin	14.606	14.600	0.006	82315	0.02500	0.02535
20 Endrin	14.926	14.920	0.006	66881	0.02500	0.02181
21 4,4'-DDD	15.480	15.473	0.007	59479	0.02500	0.02485
23 4,4'-DDT	15.780	15.773	0.007	52231	0.02500	0.02259
25 Methoxychlor	16.853	16.846	0.007	52650	0.05000	0.04783
\$ 30 Decachlorobiphenyl	20.313	20.293	0.020	40717	0.02500	0.02519

Data File: \\pptps02\chem\gc04.1\4310-G.b.D-B5084.d
Date: 01-MAR-2000 23:48
Client ID:
Sample Info: HEDM, 4310-G.b., INDM, sub, 2,3
Column phase: DB1701

Instrument: gc04.i
Operator: 1894
Column diameter: 0.63



STL Pittsburgh

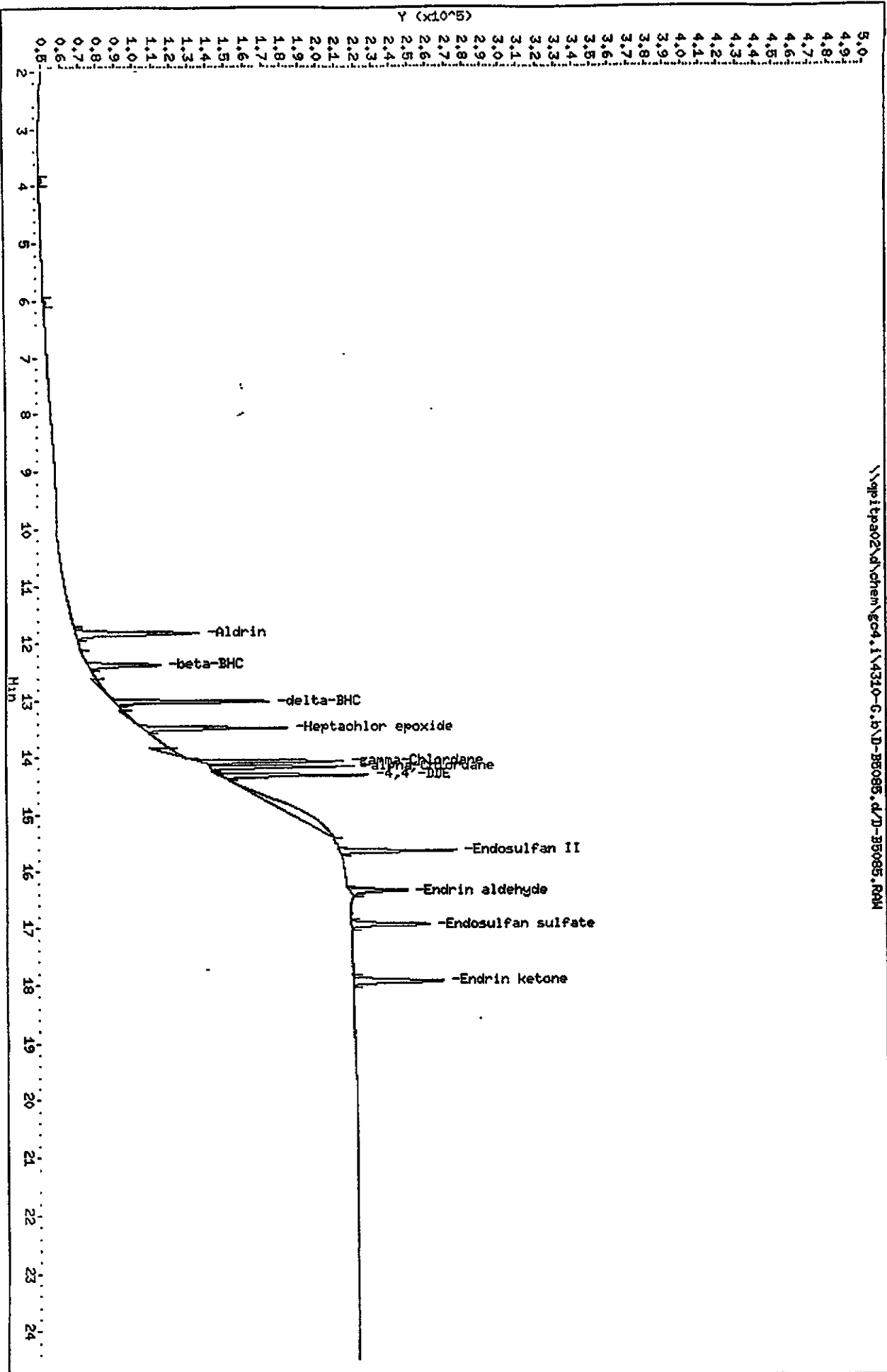
Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-B5085.d
Lab Smp Id: MEDB
Inj Date : 02-AUG-2000 00:16
Operator : 1891
Smp Info : MEDB,4310-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
Meth Date : 02-Aug-2000 14:12 matkol
Cal Date : 31-JUL-2000 14:18
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC044

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5013.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
11 Aldrin	11.826	11.820	0.006	67739	0.02500	0.02470
7 beta-BHC	12.380	12.373	0.007	39315	0.02500	0.02462
8 delta-BHC	13.013	13.006	0.007	84165	0.02500	0.02470
12 Heptachlor epoxide	13.480	13.480	0.000	78807	0.02500	0.02431
13 gamma-Chlordane	14.073	14.073	0.000	78841	0.02500	0.02445
14 alpha-Chlordane	14.173	14.166	0.007	78551	0.02500	0.02465
16 4,4'-DDE	14.320	14.313	0.007	80682	0.02500	0.02467
22 Endosulfan II	15.640	15.633	0.007	64544	0.02500	0.02334
24 Endrin aldehyde	16.340	16.333	0.007	31458	0.02500	0.02413
26 Endosulfan sulfate	16.940	16.940	0.000	42778	0.02500	0.02439
27 Endrin ketone	17.940	17.940	0.000	49277	0.02500	0.02426

Data File: \\pippa02\chem\gc4.1\4310-G.b.D-B5085.d
Date: 02-AUG-2000 00:16
Client ID:
Sample Info: HEDB, 4310-G.b., INDB, sub., 2,3
Column Phase: DB1701

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



**PESTICIDE
QC DATA**

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

666 501

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 439

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KH101

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
72-54-8	4,4'-DDD	0.050	U
72-55-9	4,4'-DDE	0.050	U
50-29-3	4,4'-DDT	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
53494-70-5	Endrin ketone	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	2.0	U

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5057.d
 Report Date: 01-Aug-2000 12:08

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5057.d
 Lab Smp Id: DH1KH101 Client Smp ID: PBLKH
 Inj Date : 01-AUG-2000 10:38
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DH1KH101,4310-G.b,,PEST.sub,,3,
 Misc Info : 270272BLK
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
 Meth Date : 01-Aug-2000 11:42 MatkoL Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
 Als bottle: 1 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
\$ 1 Tetrachloro-m-xylene	5.646	5.640	0.006	43161	0.01592	0.1592
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)				Compound Not Detected.		
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor				Compound Not Detected.		
8 delta-BHC				Compound Not Detected.		
11 Aldrin				Compound Not Detected.		
2 Diallyl A	6.900	6.900	0.000	512		(a)
3 Diallyl B				Compound Not Detected.		
12 Heptachlor epoxide				Compound Not Detected.		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected.		
15 Endosulfan I				Compound Not Detected.		
16 4,4'-DDE				Compound Not Detected.		

Compoundo					CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin				Compound Not Detected.		
20 Endrin				Compound Not Detected.		
21 4,4'-DDD				Compound Not Detected.		
18 Toxaphene				Compound Not Detected.		
22 Endosulfan II				Compound Not Detected.		
23 4,4'-DDT				Compound Not Detected.		
24 Endrin aldehyde	15.980	15.953	0.027	1103	<0 0	0.006332(a)
26 Endosulfan sulfate				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
27 Endrin ketone				Compound Not Detected		
\$ 30 Decachlorobiphenyl	21.773	21.793	-0.020	24542	0.01895	0.1895

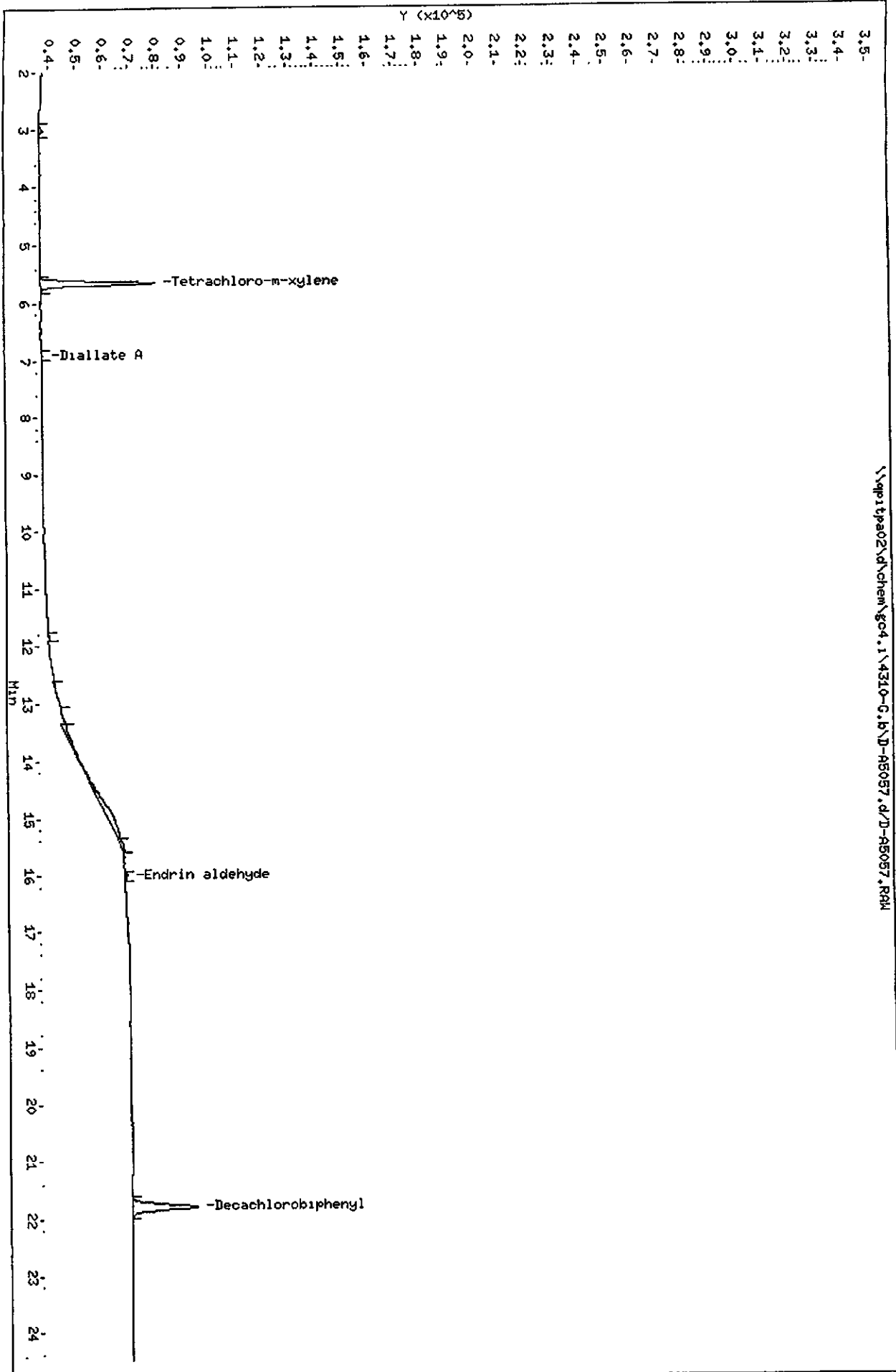
QC Flag Legend

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

Data File: \\ppitpa02\chem\gc4.1\4310-G.b\D-A5057.d
 Date: 01-AUG-2000 10:38
 Client ID: PBLKH
 Sample Info: DHIKH101.4310-G.b, PEST.sub.3,
 Volume Injected (uL): 1.0
 Column Phase: DB608

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53

\\ppitpa02\chem\gc4.1\4310-G.b\D-A5057.d\D-A5057.RAW



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5057.d
 Lab Smp Id: DH1KH101 Client Smp ID: PBLKH
 Inj Date : 01-AUG-2000 10:38
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DH1KH101,4310-G.b,,PEST.sub,,3,
 Misc Info : 270272BLK
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 01-Aug-2000 15:59 colussyj Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
 Als bottle: 1 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC085

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
5 alpha-BHC				Compound Not Detected		
6 gamma-BHC (Lindane)				Compound Not Detected		
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor				Compound Not Detected.		
8 delta-BHC				Compound Not Detected.		
11 Aldrin				Compound Not Detected		
12 Heptachlor epoxide				Compound Not Detected.		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected.		
15 Endosulfan I				Compound Not Detected.		
16 4,4'-DDE				Compound Not Detected.		
17 Dieldrin				Compound Not Detected.		
20 Endrin				Compound Not Detected.		
18 Toxaphene				Compound Not Detected.		

666 506

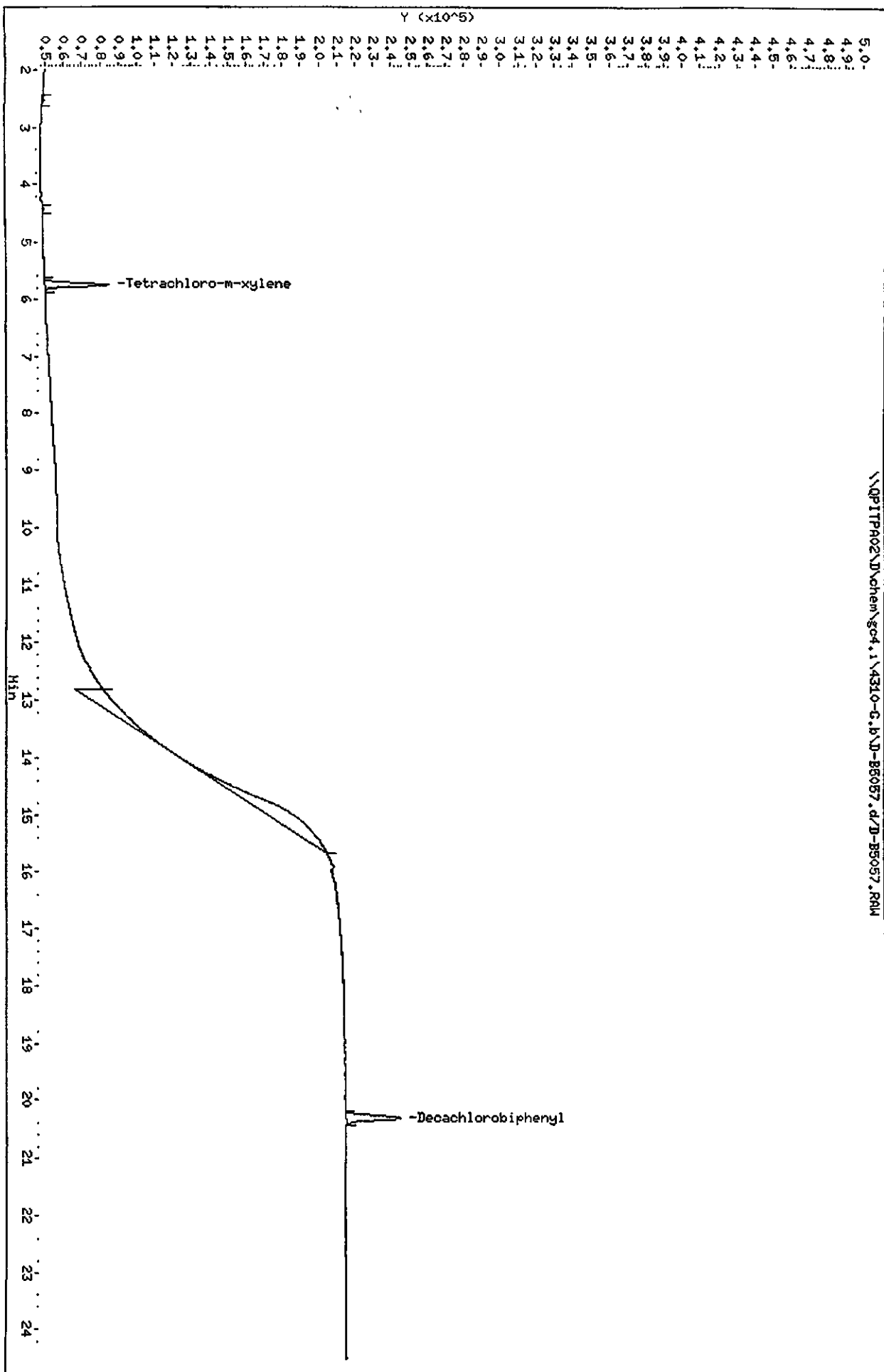
Data File: \\QPITPA02\D\chem\gc4.i\4310-G.b\D-B5057.d
Report Date: 01-Aug-2000 16:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
21 4,4'-DDD				Compound Not Detected		
22 Endosulfan II				Compound Not Detected.		
23 4,4'-DDT				Compound Not Detected.		
24 Endrin aldehyde				Compound Not Detected.		
26 Endosulfan sulfate				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
27 Endrin ketone				Compound Not Detected.		
\$ 1 Tetrachloro-m-xylene	5.746	5.733	0.013	35382	0 01594	0.1594
\$ 30 Decachlorobiphenyl	20.293	20.300	-0.007	29948	0 01853	0.1853

507 666

Data File: \\QPITPA02\chem\gc4.1\4310-G.b.D-85057.d
 Date: 01-AUG-2000 10:38
 Client ID: PBLKH
 Sample Info: DHKHL01,4310-G.b,PEST.sub,3,
 Volume Injected (uL): 1.0
 Column phase: DB1701

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 439

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KH102

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 08/01/00

Moisture %: NA

QC Batch: 0210439

Client Sample Id: CHECK SAMPLE

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.192	
58-89-9	gamma-BHC (Lindane)	0.192	
50-29-3	4,4'-DDT	0.461	
60-57-1	Dieldrin	0.474	
72-20-8	Endrin	0.405	
76-44-8	Heptachlor	0.192	

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5058.d
 Lab Smp Id: DH1KH102 Client Smp ID: LCSH
 Inj Date : 01-AUG-2000 11:47
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DH1KH102,4310-G.b,,PEST.sub,,3,
 Misc Info : 270272LCS
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
 Meth Date : 01-Aug-2000 16:35 MatkoL Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
\$ 1 Tetrachloro-m-xylene	5.646	5.640	0.006	27110	0.01000	0.09998
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	9.333	9.333	0.000	55194	0.01922	0.1922
7 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
10 Heptachlor	10.613	10.606	0.007	44219	0.01940	0.1940
8 delta-BHC	Compound Not Detected.					
11 Aldrin	11.773	11.766	0.007	43010	0.01929	0.1929
2 Diallyl A	6.906	6.900	0.006	358		(a)
3 Diallyl B	Compound Not Detected.					
12 Heptachlor epoxide	Compound Not Detected.					
13 gamma-Chlordane	Compound Not Detected.					
14 alpha-Chlordane	Compound Not Detected.					
15 Endosulfan I	Compound Not Detected.					
16 4,4'-DDE	14.386	14.380	0.006	946	0.00035	0.003505 (a)

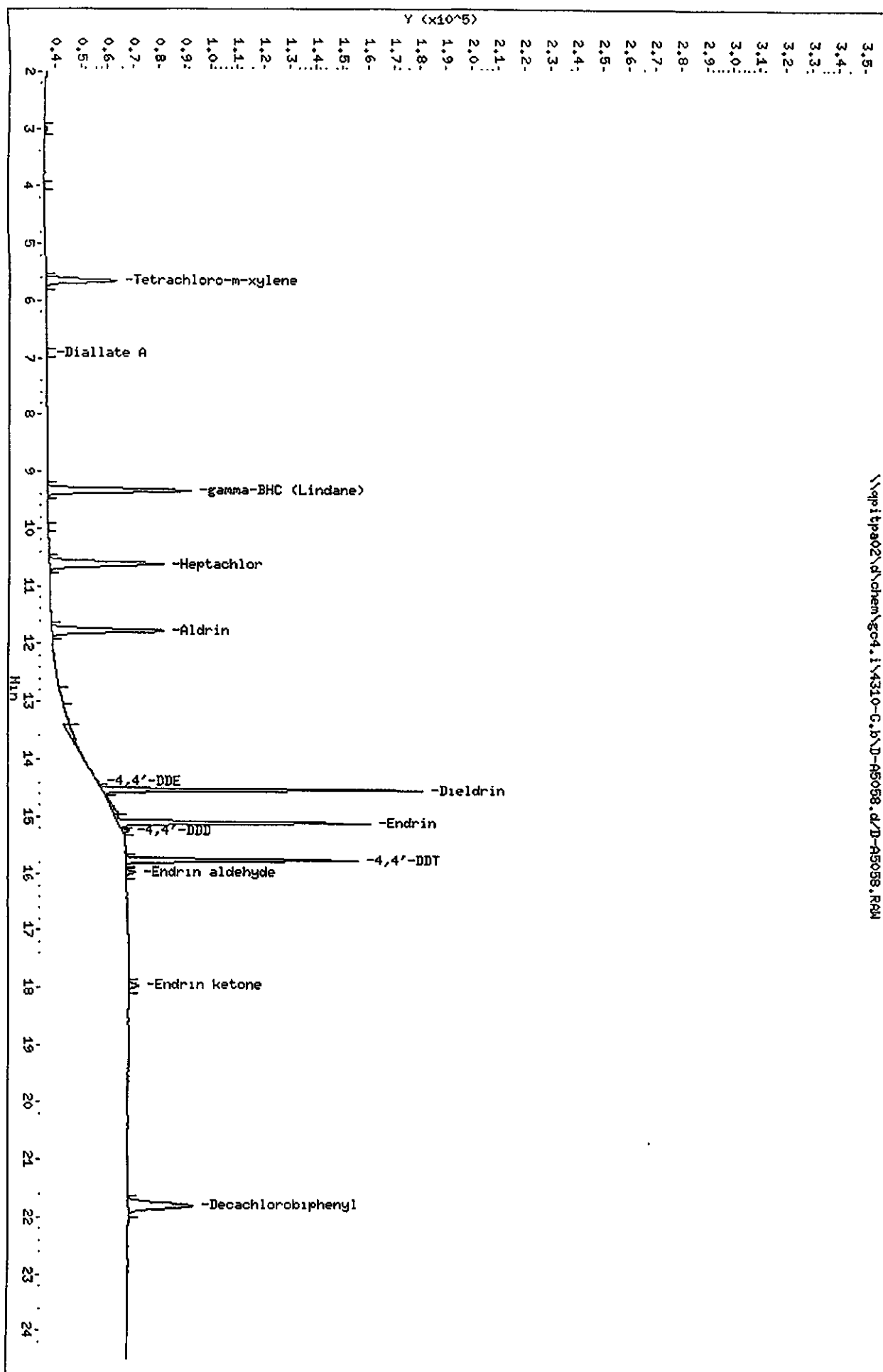
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin	14.526	14.520	0.006	123326	0.04741	0.4741
20 Endrin	15.100	15.100	0.000	96703	0.04426	0.4426
21 4,4'-DDD	15.240	15.240	0.000	2667	0.00127	0.01270 (a)
18 Toxaphene	Compound Not Detected.					
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	15.746	15.746	0.000	88990	0.04749	0.4749
24 Endrin aldehyde	15.966	15.953	0.013	3420	0.00196	0.01963 (a)
26 Endosulfan sulfate	Compound Not Detected					
25 Methoxychlor	Compound Not Detected					
27 Endrin ketone	17.960	17.953	0.007	3863	0.00216	0.02161 (a)
\$ 30 Decachlorobiphenyl	21.793	21.793	0.000	24737	0.01910	0.1910

QC Flag Legend

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

Data File: \\pp1tpa02\dychem\gc4.i\4310-G.b.D-A5058.d
Date: 01-AUG-2000 11:47
Client ID: LCSH
Sample Info: DHKHL02,4310-G.b.,PEST.sub,3,
Volume Injected (uL): 1.0
Column phase: DB608

Instrument: gc4.1
Operator: 1891
Column diameter: 0.53



STL Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-B5058.d
 Lab Smp Id: DH1KH102 Client Smp ID: LCSH
 Inj Date : 01-AUG-2000 11:47
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DH1KH102,4310-G.b,,PEST.sub,,3,
 Misc Info : 270272LCS
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 01-Aug-2000 16:40 MatkoL Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)	9.980	9.973	0.007	49631	0.01949	0.1949
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor	10.873	10.860	0.013	52887	0.01917	0.1917
8 delta-BHC				Compound Not Detected.		
11 Aldrin	11.826	11.813	0.013	52587	0.01918	0.1918
12 Heptachlor epoxide				Compound Not Detected.		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected		
15 Endosulfan I				Compound Not Detected		
16 4,4'-DDE				Compound Not Detected		
17 Dieldrin	14.606	14.606	0.000	155366	0.04785	0.4785
20 Endrin	14.920	14.920	0.000	124296	0.04053	0.4053
18 Toxaphene				Compound Not Detected		

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
21 4,4'-DDD				Compound Not Detected		
22 Endosulfan II				Compound Not Detected.		
23 4,4'-DDT	15.780	15.780	0.000	106575	0.04610	0.4610
24 Endrin aldehyde				Compound Not Detected		
26 Endosulfan sulfate				Compound Not Detected		
25 Methoxychlor				Compound Not Detected		
27 Endrin ketone	17.946	17.940	0.006	4282	0.00211	0.02108(a)
\$ 1 Tetrachloro-m-xylene	5.740	5.733	0.007	22254	0.01003	0.1003
\$ 30 Decachlorobiphenyl	20.306	20.300	0.006	30609	0.01894	0.1894

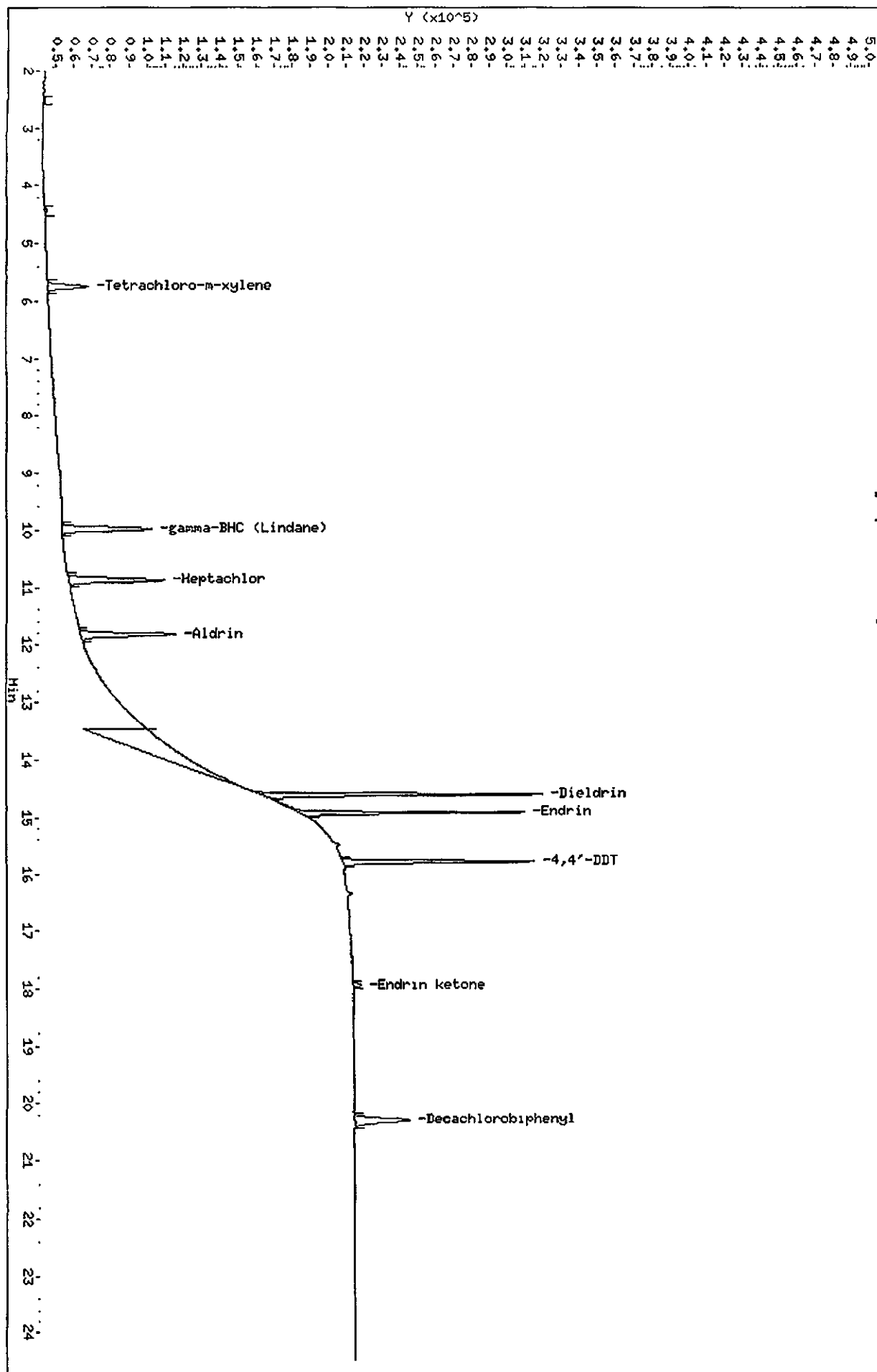
QC Flag Legend

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

Data File: \\pp1tpa02\\chem\\gc4.1\\4310-C.b.D-B5058.d
Date : 01-AUG-2000 11:47
Client ID: LCSH
Sample Info: DHKHO2,4310-C.b.,PEST,sub,3,
Volume Injected (ul): 1.0
Column phase: BP1701

Instrument: gc4.i
Operator: 1891
Column diameter: 0.53

\\pp1tpa02\\chem\\gc4.1\\4310-C.b.D-B5058.d\\D-B5058.FRM



EPA SAMPLE NO.

LCSH

Lab Name:

Contract :

Lab Code:

Case No. :

SAS No. :

SDG No. : C0G270302

Lab Sample ID: DH1KH102

Date(s) Analyzed: 08/01/00 08/01/00

Instrument ID (1): GC4

Instrument ID (2) : GC4

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
gamma-BHC (Lindane)	1	9.33	9.28	9.38	0.1922	
	2	9.98	9.92	10.02	0.1949	1.4
Heptachlor	1	10.61	10.56	10.66	0.1940	
	2	10.87	10.82	10.92	0.1917	1.2
Aldrin	1	11.77	11.72	11.82	0.1929	
	2	11.83	11.77	11.87	0.1918	0.6
Dieldrin	1	14.53	14.47	14.57	0.4741	
	2	14.61	14.56	14.66	0.4785	0.9
Endrin	1	15.10	15.05	15.15	0.4426	
	2	14.92	14.87	14.97	0.4053	9.2
4,4'-DDT	1	15.75	15.70	15.80	0.4749	
	2	15.78	15.73	15.83	0.4610	3.0
Endrin ketone	1	17.96	17.90	18.00	0.02161	
	2	17.95	17.89	17.99	0.02108	2.5
	1					
	2					

666 516

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: COG280000 439
Method: SW846 8081A
Pesticides (8081A)

Sample WT/Vol: 1000 / mL Date Received: 07/27/00
Work Order: DH1KH103 Date Extracted: 07/28/00
Dilution factor: 1 Date Analyzed: 08/01/00
Moisture %: NA

Client Sample Id: DUPLICATE CHECK QC Batch: 0210439

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.190	
58-89-9	gamma-BHC (Lindane)	0.191	
50-29-3	4,4'-DDT	0.444	
60-57-1	Dieldrin	0.463	
72-20-8	Endrin	0.392	
76-44-8	Heptachlor	0.192	

FORM I

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5059.d
Lab Smp Id: DH1KH103 Client Smp ID: LCDH
Inj Date : 01-AUG-2000 12:14
Operator : 1891 Inst ID: gc4.i
Smp Info : DH1KH103,4310-G.b,,PEST.sub,,3,
Misc Info : 270272LCD
Comment :
Method : \\qpitpa02\d\chem\gc4.i\4310-G.b\PESTA.m
Meth Date : 01-Aug-2000 16:35 MatkoL Quant Type: ESTD
Cal Date : 31-JUL-2000 14:18 Cal File: D-A5013.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC044

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

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

Compound	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
1 Tetrachloro-m-xylene	5.633	5.640	-0.007	29512	0.01088	0.1088
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	9.313	9.333	-0.020	55592	0.01936	0.1936
7 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
10 Heptachlor	10.593	10.606	-0.013	43832	0.01923	0.1923
8 delta-BHC	Compound Not Detected.					
11 Aldrin	11.753	11.766	-0.013	42314	0.01898	0.1898
2 Diallyl A	6.886	6.900	-0.014	374		(a)
3 Diallyl B	Compound Not Detected.					
12 Heptachlor epoxide	Compound Not Detected.					
13 gamma-Chlordane	Compound Not Detected.					
14 alpha-Chlordane	Compound Not Detected.					
15 Endosulfan I	Compound Not Detected.					
16 4,4'-DDB	14.373	14.380	-0.007	1327	<0.0	0.004916(a)

Data File: \\qpitpa02\d\chem\gc4.i\4310-G.b\D-A5059.d
 Report Date: 01-Aug-2000 16:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin	14.513	14.520	-0.007	121460	0.04669	0.4669
20 Endrin	15.093	15.100	-0.007	93022	0.04257	0.4257
21 4,4'-DDD	15.233	15.240	-0.007	4430	0.00211	0.02109(a)
18 Toxaphene	Compound Not Detected					
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	15.733	15.746	-0.013	86157	0.04598	0.4598
24 Endrin aldehyde	15.953	15.953	0.000	4134	0.00237	0.02373(a)
26 Endosulfan sulfate	Compound Not Detected					
25 Methoxychlor	Compound Not Detected					
27 Endrin ketone	17.946	17.953	-0.007	4515	0.00253	0.02526(a)
\$ 30 Decachlorobiphenyl	21.773	21.793	-0.020	24615	0.01901	0.1901

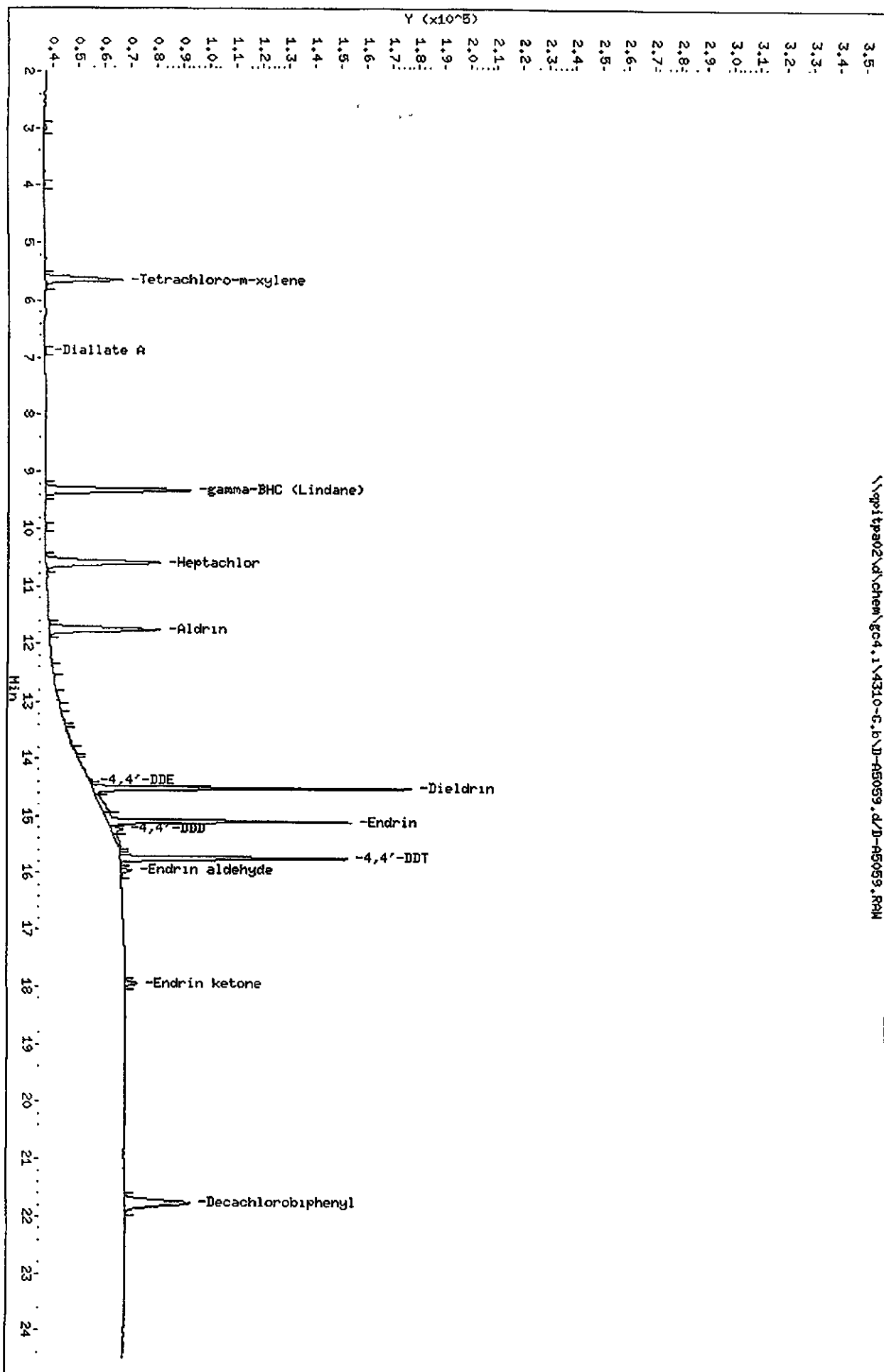
QC Flag Legend

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

666 519

Data File: \\p1tpa02\chem\gc4.1\4310-G.b\B-A5059.d
 Date: 01-AUG-2000 12:14
 Client ID: LCDH
 Sample Info: DHKHL03,4310-G.b,,PEST,sub,,3,
 Volume Injected (ul): 1.0
 Column phase: DB608

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.53



STL Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\4310-G.b\D-B5059.d
 Lab Smp Id: DH1KH103 Client Smp ID: LCDH
 Inj Date : 01-AUG-2000 12:14
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DH1KH103,4310-G.b,,PEST.sub,,3,
 Misc Info : 270272LCD
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\4310-G.b\PESTB.m
 Meth Date : 01-Aug-2000 16:40 MatkoL Quant Type: ESTD
 Cal Date : 31-JUL-2000 14:18 Cal File: D-B5013.d
 Als bottle: 1 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)	9.960	9.973	-0.013	48595	0 01908	0 1908
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor	10.853	10.860	-0.007	52988	0.01921	0.1921
8 delta-BHC				Compound Not Detected.		
11 Aldrin	11.806	11.813	-0 007	52625	0.01919	0.1919
12 Heptachlor epoxide				Compound Not Detected.		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected.		
15 Endosulfan I				Compound Not Detected.		
16 4,4'-DDE				Compound Not Detected.		
17 Dieldrin	14.600	14 606	-0.006	150256	0.04628	0.4628
20 Endrin	14.913	14.920	-0.007	120326	0.03924	0 3924
18 Toxaphene				Compound Not Detected.		

666 521

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
*****	**	*****	*****	*****	*****	*****
21 4,4'-DDD	15 480	15.480	0 000	2595	0.00108	0 01084 (a)
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	15 773	15 780	-0.007	102537	0.04435	0.4435
24 Endrin aldehyde	Compound Not Detected					
26 Endosulfan sulfate	Compound Not Detected					
25 Methoxychlor	Compound Not Detected.					
27 Endrin ketone	17.933	17.940	-0.007	5132	0.00253	0.02526 (a)
\$ 1 Tetrachloro-m-xylene	5.726	5 733	-0.007	23841	0.01074	0.1074
\$ 30 Decachlorobiphenyl	20 286	20.300	-0.014	30503	0.01887	0.1887

QC Flag Legend

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

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

666 523

LCDH

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

Lab Sample ID: DH1KH103

Date(s) Analyzed: 08/01/00 08/01/00

Instrument ID (1): GC4

Instrument ID (2): GC4

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

ANALYTE =====	COL =====	RT =====	RT WINDOW		CONCENTRATION =====	%D =====
			FROM =====	TO =====		
gamma-BHC (Lindane)	1	9.31	9.28	9.38	0.1936	
	2	9.96	9.92	10.02	0.1908	1.5
Heptachlor	1	10.59	10.56	10.66	0.1923	
	2	10.85	10.82	10.92	0.1921	0.1
Aldrin	1	11.75	11.72	11.82	0.1898	
	2	11.81	11.77	11.87	0.1919	1.1
Dieldrin	1	14.51	14.47	14.57	0.4669	
	2	14.60	14.56	14.66	0.4628	0.9
Endrin	1	15.09	15.05	15.15	0.4257	
	2	14.91	14.87	14.97	0.3924	8.5
4,4'-DDD	1	15.23	15.19	15.29	0.02109	
	2	15.48	15.43	15.53	0.01084	94.6
4,4'-DDT	1	15.73	15.70	15.80	0.4598	
	2	15.77	15.73	15.83	0.4435	3.7
Endrin ketone	1	17.95	17.90	18.00	0.02526	
	2	17.93	17.89	17.99	0.02526	0.0

666 524

**PESTICIDE
MISCELLANEOUS**

TBA

Separatory Funnel
Extraction Worksheet

666 525



STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238
412-820-8380

pest B# 0210439
PCB B# 0210445
Hxone

DE 73100
pest/p.c.B

Date Extraction Began	Date Completed	Paigmeter	Client ID	Method	pH	Sample Volume (mL)	Final Volume (mL)	Surrogate Number	Surrogate Volume (mL)	Matrix Spike No.	Matrix Spike Volume (mL)	Clean up Method
1-8-00	1-29-00	8081A/8082		3510C								
Lot Number	Sample ID											
1	COG 270273	BLK	NA	5	1500	10.0	190-98-7	1.0ml	NA	NA	NA	NA
2		CCS										
3		CCSD.P										
4		CCS										
5		CCSD.P										
6		001										
7	COG 270275	001										
8	COG 270302	001										
9	COG 270310	002										
10		005										
11	COG 270256	001										
12		002										
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
Analyst	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.
Extract(s)												
(Record line number from above)												
All Above	7:38:00	1435	7:38:00	1435	7:38:00	1435	7:38:00	1435	7:38:00	1435	7:38:00	1435
All Above	7:29:00	0230	7:29:00	0230	7:29:00	0230	7:29:00	0230	7:29:00	0230	7:29:00	0230
All Above	7:31:00	1100	7:31:00	1100	7:31:00	1100	7:31:00	1100	7:31:00	1100	7:31:00	1100
Sodium Sulfate Mfg.	Baker											
Lot Number	23635											
Reviewed By	Ken											
Date	7-29-00											

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\4310-G.SEQ

Created by : DE11/02/98 on : 7/31/00 17:12

Edited by : LM07/31/00 on : 8/2/00 12:01

Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701

REVIEWED BY:

666 526

G

Number of Times Edited : 3

Sequence File Header Information:

✓ DE 4300

Number of Rows : 95

Instrument Type : 760 / 900 Series Intelligent Interface

Injection Type : SINGLE

Row	Type	Sample Name	Sample Number	Sequence Sample Descriptions - Channel A Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	MEDTOX, 4310-G.b	190-84-13		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	MEDCHLOR, 4310-G	190-85-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	LOWA, 4310-G.b,,	190-84-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	MLOWA, 4310-G.b,	190-84-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	MEDA, 4310-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	MHIGHA, 4310-G.b	190-84-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	HIGHA, 4310-G.b,	190-84-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	LOWB, 4310-G.b,,	190-84-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	MLOWB, 4310-G.b,	190-84-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	MEDB, 4310-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	MHIGHB, 4310-G.b	190-84-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	HIGHB, 4310-G.b,	190-84-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Std Check	2ND A, 4310-G.b,	190-82-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	2ND B, 4310-G.b,	190-82-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DGJKT104, 4310-G	200278001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DGJLF104, 4310-G	200278005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DGJLF115, 4310-G	200278005S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DGJLF116, 4310-G	200278005D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DGLRD104, 4310-G	210257007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DGLRF104, 4310-G	210257008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DGLRJ104, 4310-G	210257009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	DGLRK104, 4310-G	210257010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	DGJMC104, 4310-G	200280001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	DGJMD104, 4310-G	200280002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DGJME104, 4310-G	200280003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DGJMF104, 4310-G	200280004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DGJMH104, 4310-G	200280005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DGJMJ104, 4310-G	200280006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DGJMK104, 4310-G	200280007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DGJMM104, 4310-G	200280008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DGJMQ104, 4310-G	200280009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DGJMR104, 4310-G	200280010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DGKA1101, 4310-G	200280BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DGKA1102, 4310-G	200280LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Std Check	MEDA, 4310-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	MEDB, 4310-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DGJMT104, 4310-G	200280011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DGJMW104, 4310-G	200280012		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	~~DGJND105, 4310-G~~	~~200280013~~	Diure	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	~~DGJND109, 4310-G~~	~~200280013S~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	~~DGJND10A, 4310-G~~	~~200280013D~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	~~DGJND104, 4310-G~~	~~200280014~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	~~DGJND101, 4310-G~~	~~200280015~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	DGXPC106, 4310-G	270310011S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	DGXPC107, 4310-G	270310011D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	DGXMV104, 4310-G	270310001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DGXPT104, 4310-G	270310009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DGXPF104, 4310-G	270310010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DGXPC104, 4310-G	270310011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	DHOLP101, 4310-G	270310BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DHOLP102, 4310-G	270310LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DGXN4103, 4310-G	270310002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DGXNN103, 4310-G	270310005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DH1KH101, 4310-G	270272BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DH1KH102, 4310-G	270272LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DH1KH103, 4310-G	270272LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

60	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Std Check	EVALB, 4310-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	DGXL3103, 4310-G	270302-1	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	~~DGNP2104, 4310-G~~	~~240112001~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~0.000~~	~~100.000~~
65	Sample	DGNP2104, 4310-G	240112001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	~~DGNQ3104, 4310-G~~	~~240112002~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~1.000~~	~~0.000~~	~~100.000~~
67	Sample	DGNQ4104, 4310-G	240112003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	DGNQ5108, 4310-G	240112004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample	DGNQ5109, 4310-G	240112004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	DGNQ510A, 4310-G	240112004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample	DGNQC104, 4310-G	240112005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	DGNQG104, 4310-G	240112006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample	DGNQH104, 4310-G	240112007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample	DGNQJ104, 4310-G	240112008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	DGNQL104, 4310-G	240112009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	DGNQM104, 4310-G	240112010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	DGNQP104, 4310-G	240117001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	DGNQT104, 4310-G	240117002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	DGNQW104, 4310-G	240117003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	DGNQX104, 4310-G	240117004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	DGNR0104, 4310-G	240117005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	DGVH9101, 4310-G	240112BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	DGVH9102, 4310-G	240112LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Std Check	EVALB, 4310-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	DGNR2104, 4310-G	240117006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	DH2R4113, 4310-G	290144-7S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample	DH2R4114, 4310-G	290144-7D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	DH2R4104, 4310-G	290144-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample	DH2R5104, 4310-G	290144-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	DH3GW101, 4310-G	290144-BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample	DH3GW102, 4310-G	290144-LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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Sequence Process Information - Channel A

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5001	d-a5001		d-a5001	-	-	-	LPT1:
2	-	1	2	GEN4C	GEN4A	122190A	TOX	d-a5002	d-a5002		d-a5002	N	MED	N	LPT1:, LPT:
3	-	1	2	GEN4C	GEN4A	122190A	TOX	d-a5003	d-a5003		d-a5003	N	MED	N	LPT1:, LPT:
4	-	1	4	GEN4C	GEN4A	122190A	INDA	d-a5004	d-a5004		d-a5004	N	LOW	N	LPT1:
5	-	1	5	GEN4C	GEN4A	122190A	INDA	d-a5005	d-a5005		d-a5005	N	MLOW	N	LPT1:
6	-	1	6	GEN4C	GEN4A	122190A	INDA	d-a5006	d-a5006		d-a5006	N	MLOW	N	LPT1:
7	-	1	7	GEN4C	GEN4A	122190A	INDA	d-a5007	d-a5007		d-a5007	N	MLOW	N	LPT1:
8	-	1	8	GEN4C	GEN4A	122190A	INDA	d-a5008	d-a5008		d-a5008	N	MLOW	N	LPT1:
9	-	1	9	GEN4C	GEN4A	122190A	INDA	d-a5009	d-a5009		d-a5009	N	LOW	N	LPT1:
10	-	1	10	GEN4C	GEN4A	122190A	INDA	d-a5010	d-a5010		d-a5010	N	MLOW	N	LPT1:
11	-	1	11	GEN4C	GEN4A	122190A	INDA	d-a5011	d-a5011		d-a5011	N	MLOW	N	LPT1:
12	-	1	12	GEN4C	GEN4A	122190A	INDA	d-a5012	d-a5012		d-a5012	N	MLOW	N	LPT1:
13	-	1	13	GEN4C	GEN4A	122190A	INDA	d-a5013	d-a5013		d-a5013	N	MLOW	N	LPT1:
14	-	1	23	GEN4C	GEN4A	122190A	INDA	d-a5014	d-a5014		d-a5014	-	-	-	LPT1:
15	-	1	24	GEN4C	GEN4A	122190A	INDA	d-a5015	d-a5015		d-a5015	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5016	d-a5016		d-a5016	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5017	d-a5017		d-a5017	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5018	d-a5018		d-a5018	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5019	d-a5019		d-a5019	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5020	d-a5020		d-a5020	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5021	d-a5021		d-a5021	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5022	d-a5022		d-a5022	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5023	d-a5023		d-a5023	-	-	-	LPT1:
24	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5024	d-a5024		d-a5024	-	-	-	LPT1:
25	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5025	d-a5025		d-a5025	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5026	d-a5026		d-a5026	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5027	d-a5027		d-a5027	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5028	d-a5028		d-a5028	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5029	d-a5029		d-a5029	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5030	d-a5030		d-a5030	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5031	d-a5031		d-a5031	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5032	d-a5032		d-a5032	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5033	d-a5033		d-a5033	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5034	d-a5034		d-a5034	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5035	d-a5035		d-a5035	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5036	d-a5036		d-a5036	-	-	-	LPT1:
37	-	1	6	GEN4C	GEN4A	122190A	INDA	d-a5037	d-a5037		d-a5037	-	-	-	LPT1:
38	-	1	11	GEN4C	GEN4A	122190A	INDA	d-a5038	d-a5038		d-a5038	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5039	d-a5039		d-a5039	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5040	d-a5040		d-a5040	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5041	d-a5041		d-a5041	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5042	d-a5042		d-a5042	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5043	d-a5043		d-a5043	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5044	d-a5044		d-a5044	-	-	-	LPT1:

45	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5045	d-a5045	d-a5045	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5046	d-a5046	d-a5046	-	-	-	LPT1:
47	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5047	d-a5047	d-a5047	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5048	d-a5048	d-a5048	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5049	d-a5049	d-a5049	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5050	d-a5050	d-a5050	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5051	d-a5051	d-a5051	-	-	-	LPT1:
52	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5052	d-a5052	d-a5052	-	-	-	LPT1:
53	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5053	d-a5053	d-a5053	-	-	-	LPT1:
54	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5054	d-a5054	d-a5054	-	-	-	LPT1:
55	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5055	d-a5055	d-a5055	-	-	-	LPT1:
56	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5056	d-a5056	d-a5056	-	-	-	LPT1:
57	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5057	d-a5057	d-a5057	-	-	-	LPT1:
58	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5058	d-a5058	d-a5058	-	-	-	LPT1:
59	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5059	d-a5059	d-a5059	-	-	-	LPT1:
60	-	1	6	GEN4C	GEN4A	122190A	INDA	d-a5060	d-a5060	d-a5060	-	-	-	LPT1:
61	-	1	11	GEN4C	GEN4A	122190A	INDA	d-a5061	d-a5061	d-a5061	-	-	-	LPT1:
62	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5062	d-a5062	d-a5062	-	-	-	LPT1:
63	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5063	d-a5063	d-a5063	-	-	-	LPT1:
64	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5064	d-a5064	d-a5064	-	-	-	LPT1:
65	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5065	d-a5065	d-a5065	-	-	-	LPT1:
66	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5066	d-a5066	d-a5066	-	-	-	LPT1:
67	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5067	d-a5067	d-a5067	-	-	-	LPT1:
68	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5068	d-a5068	d-a5068	-	-	-	LPT1:
69	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5069	d-a5069	d-a5069	-	-	-	LPT1:
70	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5070	d-a5070	d-a5070	-	-	-	LPT1:
71	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5071	d-a5071	d-a5071	-	-	-	LPT1:
72	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5072	d-a5072	d-a5072	-	-	-	LPT1:
73	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5073	d-a5073	d-a5073	-	-	-	LPT1:
74	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5074	d-a5074	d-a5074	-	-	-	LPT1:
75	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5075	d-a5075	d-a5075	-	-	-	LPT1:
76	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5076	d-a5076	d-a5076	-	-	-	LPT1:
77	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5077	d-a5077	d-a5077	-	-	-	LPT1:
78	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5078	d-a5078	d-a5078	-	-	-	LPT1:
79	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5079	d-a5079	d-a5079	-	-	-	LPT1:
80	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5080	d-a5080	d-a5080	-	-	-	LPT1:
81	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5081	d-a5081	d-a5081	-	-	-	LPT1:
82	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5082	d-a5082	d-a5082	-	-	-	LPT1:
83	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5083	d-a5083	d-a5083	-	-	-	LPT1:
84	-	1	6	GEN4C	GEN4A	122190A	INDA	d-a5084	d-a5084	d-a5084	-	-	-	LPT1:
85	-	1	11	GEN4C	GEN4A	122190A	INDA	d-a5085	d-a5085	d-a5085	-	-	-	LPT1:
86	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5086	d-a5086	d-a5086	-	-	-	LPT1:
87	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5087	d-a5087	d-a5087	-	-	-	LPT1:
88	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5088	d-a5088	d-a5088	-	-	-	LPT1:
89	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5089	d-a5089	d-a5089	-	-	-	LPT1:
90	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5090	d-a5090	d-a5090	-	-	-	LPT1:
91	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5091	d-a5091	d-a5091	-	-	-	LPT1:
92	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5092	d-a5092	d-a5092	-	-	-	LPT1:
93	-	1	1	GEN4C	GEN4A	122190A	EVAL	d-a5093	d-a5093	d-a5093	-	-	-	LPT1:
94	-	1	6	GEN4C	GEN4A	122190A	INDA	d-a5094	d-a5094	d-a5094	-	-	-	LPT1:
95	-	1	11	GEN4C	GEN4A	122190A	INDA	d-a5095	d-a5095	d-a5095	-	-	-	LPT1:

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Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\4310-G.SEQ
 Created by : DE11/02/98 on : 7/31/00 17:12
 Edited by : LM07/31/00 on : 8/2/00 12:01
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

666 529

Number of Times Edited : 3

Sequence File Header Information:

Number of Rows : 95
 Instrument Type : 760 / 900 Series Intelligent Interface
 Injection Type : SINGLE

Row	Type	Sample Name	Sample Number	Sequence Sample Descriptions - Channel B Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	MEDTOX, 4310-G.b	190-84-13		1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
3	Cal:Replace	MEDCHLOR, 4310-G	190-85-10		1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
4	Cal:Replace	LOWA, 4310-G.b,,	190-84-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	MLOWA, 4310-G.b,	190-84-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	MEDA, 4310-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	MHIGHA, 4310-G.b	190-84-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	HIGHA, 4310-G.b,	190-84-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	LOWB, 4310-G.b,,	190-84-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	MLOWB, 4310-G.b,	190-84-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	MEDB, 4310-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	MHIGHB, 4310-G.b	190-84-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	HIGHB, 4310-G.b,	190-84-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Std Check	2ND A, 4310-G.b,	190-82-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Std Check	2ND B, 4310-G.b,	190-82-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DGJKT104, 4310-G	200278001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DGJLF104, 4310-G	200278005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DGJLF115, 4310-G	200278005S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DGJLF116, 4310-G	200278005D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DGLRD104, 4310-G	210257007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DGLRF104, 4310-G	210257008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DGLRJ104, 4310-G	210257009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	DGLRK104, 4310-G	210257010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	DGJMC104, 4310-G	200280001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Sample	DGJMD104, 4310-G	200280002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DGJME104, 4310-G	200280003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DGJMF104, 4310-G	200280004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DGJMH104, 4310-G	200280005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DGJMJ104, 4310-G	200280006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DGJMK104, 4310-G	200280007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DGJMM104, 4310-G	200280008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DGJMQ104, 4310-G	200280009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DGJMR104, 4310-G	200280010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DGKA1101, 4310-G	200280BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DGKA1102, 4310-G	200280LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Std Check	MEDA, 4310-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Std Check	MEDB, 4310-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Std Check	EVALB, 4310-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DGJMT104, 4310-G	200280011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DGJMW104, 4310-G	200280012		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	~~DGJN104, 4310-G~~	~~200280013~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	~~DGJN104, 4310-G~~	~~200280013S~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	~~DGJN104, 4310-G~~	~~200280013D~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	~~DGJN104, 4310-G~~	~~200280014~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	~~DGJN104, 4310-G~~	~~200280015~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	DGXPC106, 4310-G	270310011s		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	DGXPC107, 4310-G	270310011D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	DGXMV104, 4310-G	270310001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DGXPP104, 4310-G	270310009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DGXPP104, 4310-G	270310010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DGXPC104, 4310-G	270310011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	DHOLP101, 4310-G	270310BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DHOLP102, 4310-G	270310LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DGXN4103, 4310-G	270310002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DGXNN103, 4310-G	270310005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DH1KH101, 4310-G	270272BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DH1KH102, 4310-G	270272LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DH1KH103, 4310-G	270272LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

60	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Std Check	EVALB, 4310-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	DGXL3103, 4310-G	270302-1	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	DGNTR104, 4310-G	200280016	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	DGNP2104, 4310-G	240112001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	DGNQ3104, 4310-G	240112002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	DGNQ4104, 4310-G	240112003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	DGNQ5108, 4310-G	240112004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample	DGNQ5109, 4310-G	240112004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	DGNQ510A, 4310-G	240112004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample	DGNQC104, 4310-G	240112005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	DGNQG104, 4310-G	240112006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample	DGNQH104, 4310-G	240112007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample	DGNQJ104, 4310-G	240112008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	DGNQL104, 4310-G	240112009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	DGNQM104, 4310-G	240112010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	DGNQP104, 4310-G	240117001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	DGNQT104, 4310-G	240117002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	DGNQW104, 4310-G	240117003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	DGNQX104, 4310-G	240117004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	DGNR0104, 4310-G	240117005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	DGVH9101, 4310-G	240112BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	DGVH9102, 4310-G	240112LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Std Check	EVALB, 4310-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	DGNR2104, 4310-G	240117006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	DH2R4113, 4310-G	290144-7S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample	DH2R4114, 4310-G	290144-7D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	DH2R4104, 4310-G	290144-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample	DH2R5104, 4310-G	290144-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	DH3GW101, 4310-G	290144-BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample	DH3GW102, 4310-G	290144-LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Std Check	MEDA, 4310-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	MEDB, 4310-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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Sequence Process Information - Channel B

Row	Site	Rack	Vial	Inst Method	Process Method	Calib Method	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Rpt	Level Name	Update RT	Out Dev
1	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5001	d-b5001		d-b5001	-	-	-	LPT1:
2	-	1	2	GEN4C	GEN4B	122190A	TOX	d-b5002	d-b5002		d-b5002	N	MED	N	LPT1:,LPT1
3	-	1	2	GEN4C	GEN4B	122190A	TOX	d-b5003	d-b5003		d-b5003	N	MED	N	LPT1:,LPT1
4	-	1	4	GEN4C	GEN4B	122190A	INDA	d-b5004	d-b5004		d-b5004	N	LOW	N	LPT1:
5	-	1	5	GEN4C	GEN4B	122190A	INDA	d-b5005	d-b5005		d-b5005	N	MLOW	N	LPT1:
6	-	1	6	GEN4C	GEN4B	122190A	INDA	d-b5006	d-b5006		d-b5006	N	MLOW	N	LPT1:
7	-	1	7	GEN4C	GEN4B	122190A	INDA	d-b5007	d-b5007		d-b5007	N	MLOW	N	LPT1:
8	-	1	8	GEN4C	GEN4B	122190A	INDA	d-b5008	d-b5008		d-b5008	N	MLOW	N	LPT1:
9	-	1	9	GEN4C	GEN4B	122190A	INDA	d-b5009	d-b5009		d-b5009	N	LOW	N	LPT1:
10	-	1	10	GEN4C	GEN4B	122190A	INDA	d-b5010	d-b5010		d-b5010	N	MLOW	N	LPT1:
11	-	1	11	GEN4C	GEN4B	122190A	INDA	d-b5011	d-b5011		d-b5011	N	MLOW	N	LPT1:
12	-	1	12	GEN4C	GEN4B	122190A	INDA	d-b5012	d-b5012		d-b5012	N	MLOW	N	LPT1:
13	-	1	13	GEN4C	GEN4B	122190A	INDA	d-b5013	d-b5013		d-b5013	N	MLOW	N	LPT1:
14	-	1	23	GEN4C	GEN4B	122190A	INDA	d-b5014	d-b5014		d-b5014	-	-	-	LPT1:
15	-	1	24	GEN4C	GEN4B	122190A	INDA	d-b5015	d-b5015		d-b5015	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5016	d-b5016		d-b5016	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5017	d-b5017		d-b5017	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5018	d-b5018		d-b5018	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5019	d-b5019		d-b5019	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5020	d-b5020		d-b5020	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5021	d-b5021		d-b5021	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5022	d-b5022		d-b5022	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5023	d-b5023		d-b5023	-	-	-	LPT1:
24	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5024	d-b5024		d-b5024	-	-	-	LPT1:
25	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5025	d-b5025		d-b5025	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5026	d-b5026		d-b5026	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5027	d-b5027		d-b5027	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5028	d-b5028		d-b5028	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5029	d-b5029		d-b5029	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5030	d-b5030		d-b5030	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5031	d-b5031		d-b5031	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5032	d-b5032		d-b5032	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5033	d-b5033		d-b5033	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5034	d-b5034		d-b5034	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5035	d-b5035		d-b5035	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5036	d-b5036		d-b5036	-	-	-	LPT1:
37	-	1	6	GEN4C	GEN4B	122190A	INDA	d-b5037	d-b5037		d-b5037	-	-	-	LPT1:
38	-	1	11	GEN4C	GEN4B	122190A	INDA	d-b5038	d-b5038		d-b5038	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5039	d-b5039		d-b5039	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5040	d-b5040		d-b5040	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5041	d-b5041		d-b5041	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5042	d-b5042		d-b5042	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5043	d-b5043		d-b5043	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5044	d-b5044		d-b5044	-	-	-	LPT1:

45	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5045	d-b5045	d-b5045	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5046	d-b5046	d-b5046	-	-	-	LPT1:
47	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5047	d-b5047	d-b5047	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5048	d-b5048	d-b5048	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5049	d-b5049	d-b5049	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5050	d-b5050	d-b5050	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5051	d-b5051	d-b5051	-	-	-	LPT1:
52	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5052	d-b5052	d-b5052	-	-	-	LPT1:
53	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5053	d-b5053	d-b5053	-	-	-	LPT1:
54	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5054	d-b5054	d-b5054	-	-	-	LPT1:
55	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5055	d-b5055	d-b5055	-	-	-	LPT1:
56	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5056	d-b5056	d-b5056	-	-	-	LPT1:
57	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5057	d-b5057	d-b5057	-	-	-	LPT1:
58	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5058	d-b5058	d-b5058	-	-	-	LPT1:
59	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5059	d-b5059	d-b5059	-	-	-	LPT1:
60	-	1	6	GEN4C	GEN4B	122190A	INDA	d-b5060	d-b5060	d-b5060	-	-	-	LPT1:
61	-	1	11	GEN4C	GEN4B	122190A	INDA	d-b5061	d-b5061	d-b5061	-	-	-	LPT1:
62	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5062	d-b5062	d-b5062	-	-	-	LPT1:
63	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5063	d-b5063	d-b5063	-	-	-	LPT1:
64	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5064	d-b5064	d-b5064	-	-	-	LPT1:
65	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5065	d-b5065	d-b5065	-	-	-	LPT1:
66	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5066	d-b5066	d-b5066	-	-	-	LPT1:
67	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5067	d-b5067	d-b5067	-	-	-	LPT1:
68	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5068	d-b5068	d-b5068	-	-	-	LPT1:
69	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5069	d-b5069	d-b5069	-	-	-	LPT1:
70	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5070	d-b5070	d-b5070	-	-	-	LPT1:
71	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5071	d-b5071	d-b5071	-	-	-	LPT1:
72	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5072	d-b5072	d-b5072	-	-	-	LPT1:
73	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5073	d-b5073	d-b5073	-	-	-	LPT1:
74	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5074	d-b5074	d-b5074	-	-	-	LPT1:
75	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5075	d-b5075	d-b5075	-	-	-	LPT1:
76	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5076	d-b5076	d-b5076	-	-	-	LPT1:
77	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5077	d-b5077	d-b5077	-	-	-	LPT1:
78	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5078	d-b5078	d-b5078	-	-	-	LPT1:
79	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5079	d-b5079	d-b5079	-	-	-	LPT1:
80	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5080	d-b5080	d-b5080	-	-	-	LPT1:
81	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5081	d-b5081	d-b5081	-	-	-	LPT1:
82	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5082	d-b5082	d-b5082	-	-	-	LPT1:
83	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5083	d-b5083	d-b5083	-	-	-	LPT1:
84	-	1	6	GEN4C	GEN4B	122190A	INDA	d-b5084	d-b5084	d-b5084	-	-	-	LPT1:
85	-	1	11	GEN4C	GEN4B	122190A	INDA	d-b5085	d-b5085	d-b5085	-	-	-	LPT1:
86	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5086	d-b5086	d-b5086	-	-	-	LPT1:
87	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5087	d-b5087	d-b5087	-	-	-	LPT1:
88	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5088	d-b5088	d-b5088	-	-	-	LPT1:
89	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5089	d-b5089	d-b5089	-	-	-	LPT1:
90	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5090	d-b5090	d-b5090	-	-	-	LPT1:
91	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5091	d-b5091	d-b5091	-	-	-	LPT1:
92	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5092	d-b5092	d-b5092	-	-	-	LPT1:
93	-	1	1	GEN4C	GEN4B	122190A	EVAL	d-b5093	d-b5093	d-b5093	-	-	-	LPT1:
94	-	1	6	GEN4C	GEN4B	122190A	INDA	d-b5094	d-b5094	d-b5094	-	-	-	LPT1:
95	-	1	11	GEN4C	GEN4B	122190A	INDA	d-b5095	d-b5095	d-b5095	-	-	-	LPT1:

668 531

REQUESTED BY: PINOB

666 532

METHOD: QJ Pesticides (8081A)

<u>STORAGE LOCATION</u>	<u>WORK ORDER #</u>	<u>PICKED</u> <u>CNTR#</u>	<u>CONTROL #</u>	<u>CLIENT #</u>	<u>ANALYSIS</u>	<u>LOTID</u>	<u>SMP#</u>	<u>SFX</u>	<u>MATRIX</u> <u>DESCRIPTION</u>	<u>QTY</u> <u>RCVD</u>	<u>QTY</u> <u>REQD</u>
13A CLP1	DGX EK-1-0R	___	254103	416241	I-09-QJ	COG270272	001		WATER	0	20
13A, CLP1	DGX F1-1-0R	___	254104	416241	I-09-QJ	COG270275	001		WATER	0	21
12D CLP1	DGX L3-1-03	___	254102	399411	I-09-QJ	COG270302	001		WATER	0	13
13B CLP1	DGX N4-1-03	___	254100	378644	I-09-QJ	COG270310	002		WATER	0	5
13B CLP1	DGX NN-1-03	___	254101	378644	I-09-QJ	COG270310	005		WATER	0	5

RELINQUISHED BY

RECEIVED BY

DATE/TIME

Brian A. Piro

Brian A. Piro

7-28-00 1330

Brian A. Piro

Brian A. Piro

7-28-00 1640

***** END OF REPORT *****

666 533

PCB DATA

666 534

PCB
QC SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0G270302

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	DF/S1/0208/IDW/002	107	80	00
02	METHOD BLK. DH1KX101	68	91	00
03	LCS DH1KX102	72	96	00
04	LCSD DH1KX103	77	97	00

SURROGATES

SRG01 = Tetrachloro-m-xylene

SRG02 = Decachlorobiphenyl

QC LIMITS

(45-120)

(24-128)

- # Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

666 536

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: COG280000

WO #: DH1KX102

BATCH: 0210445

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.29	83	61 - 118	
Aroclor 1260	10.0	8.88	89	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G280000

WO #: DH1KX103

BATCH: 0210445

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.33	83	61 - 118	
Aroclor 1260	10.0	8.95	90	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

666 538

BLANK WORKORDER NO.

SW846 8082 METHOD BLANK SUMMARY

DH1KX101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: h-a41050.

Lot Number: C0G270302

Matrix: WATER

Extraction Method:

Date Extracted: 07/28/00

Date Analyzed(1): 07/31/00

Date Analyzed(2): N/A

Time Analyzed(1): 20:24

Time Analyzed(2): N/A

Instrument ID(1): M/N

Instrument ID(2): N/A

GC Column(1): N/A ID: N/A GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED (1)	DATE ANALYZED (2)
01	DF/S1/0208/IDW/002	DGXL3104	07/31/00	N/A
02	CHECK SAMPLE	DH1KX102 C	07/31/00	N/A
03	DUPLICATE CHECK	DH1KX103 L	07/31/00	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

666 539

PCB
SAMPLE DATA

666 540

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3104

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0210445

Client Sample Id: DF/S1/0208/IDW/002

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

Data File: /var/chem/gc8.i/4140.b/h-a41045.d
 Report Date: 01-Aug-2000 08:38

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STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41045.d
 Lab Smp Id: DGXL3104 Client Smp ID: DF/S1/0208/IDW/002
 Inj Date : 31-JUL-2000 18:47
 Operator : 010139 Inst ID: gc8.i
 Smp Info : DGXL3104,4140.b
 Misc Info : 270302001
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 01-Aug-2000 08:34 eppinged Quant Type: ESTD
 Cal Date : 14-JUL-2000 18:39 Cal File: h-a40431.d
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PCB.sub
 Target Version: 3.40 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt/Vo/Vi

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

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ng)	(ug/L)	TARGET RANGE	RATIO			
..									
\$ 1	Tetrachloro-m-xylene		CAS #: 877-09-8						
1.727	1.732	-0.005	16668621	0.02131	0.21306	0.00-	0.00	0.00(M)	

8 Aroclor-1221

CAS #: 11104-28-2

Operator disabled compound identification.

14 Aroclor-1232

CAS #: 11141-16-5

Operator disabled compound identification

Data File: /var/chem/gc8.i/4140.b/h-a41045.d
Report Date: 01-Aug-2000 08:38

CONCENTRATIONS							
			ON-COL		FINAL		
RT	EXP RT	DLT RT	RESPONSE (ng)		(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
15 Aroclor-1242					CAS #: 53469-21-9		
Peaks not detected for Quant. or Qual. signal(s).							

20 Aroclor-1016					CAS #: 12674-11-2		
Operator disabled compound identification.							

21 Aroclor-1248					CAS #: 12672-29-6		
Peaks not detected for Quant. or Qual. signal(s).							

33 Aroclor-1254					CAS # 11097-69-1		
Peaks not detected for Quant or Qual signal(s)							

\$ 34	Decachlorobiphenyl				CAS #: 2051-24-3		
10.810	10.820	-0.010	4310680	0.01594	0.15942	0.00-	0.00 0.00

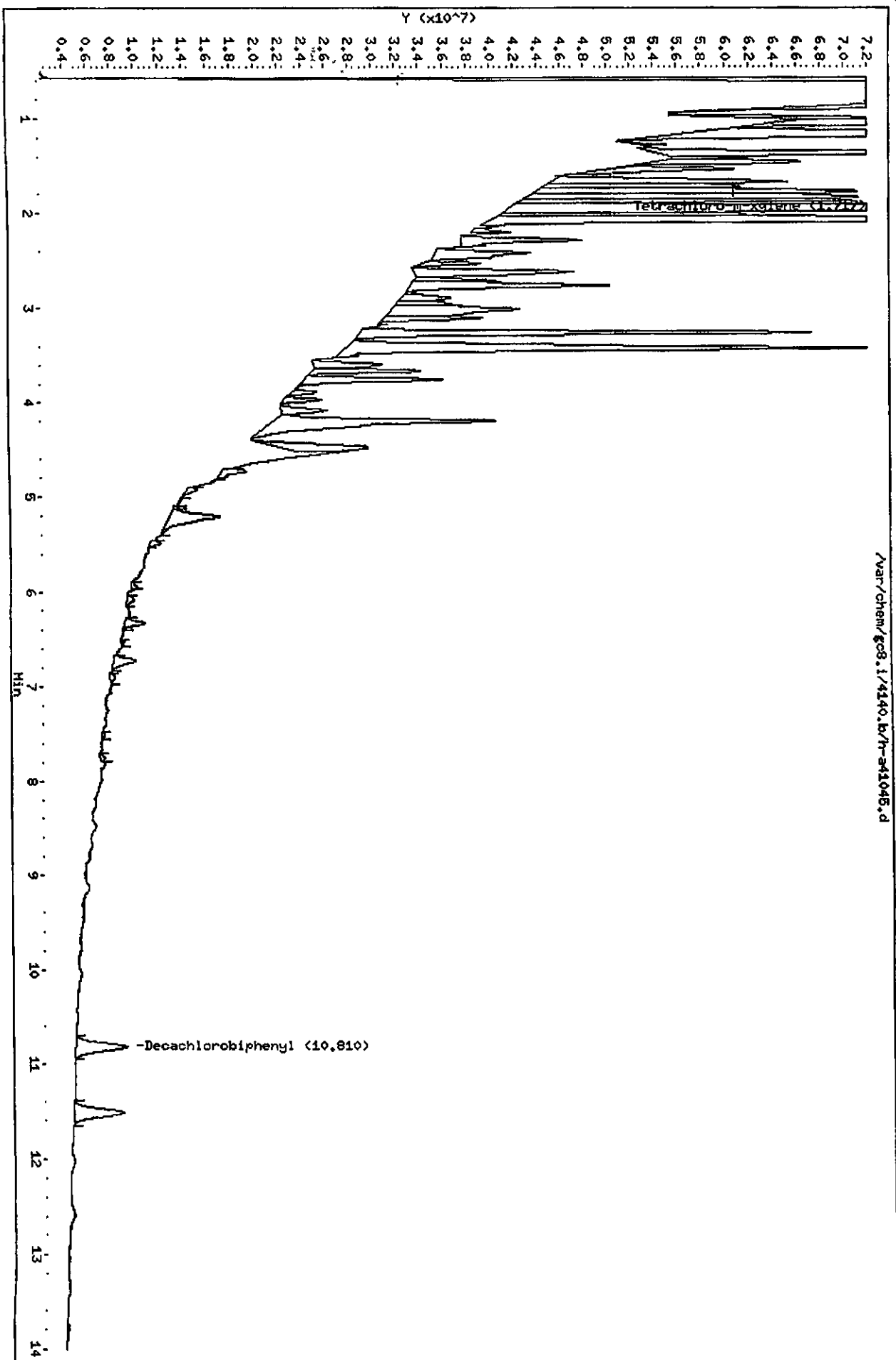
36 Aroclor-1260					CAS #: 11096-82-5		
Peaks not detected for Quant. or Qual signal(s).							

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gc8.i/4140.b/h-s41045.d
 Date : 31-JUL-2000 18:47
 Client ID: DF/SI/0208/IDM/002
 Sample Info: DDXL3104.4140.b
 Volume Injected (uL): 1.0
 Column phase: DB608

Instrument: gc8.i
 Operator: 010139
 Column diameter: 0.53



666 544

PCB
CALIBRATION DATA

Report Date : 15-Jul-2000 12:41

6E
HP6890SM
DB608

666 545
Page 1

STL-PITTSBURGH

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2000 16:03
End Cal Date : 14-JUL-2000 18:39
Quant Method : ESTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : /var/chem/gc8.i/4140.b/PCBA.m
Cal Date : 15-Jul-2000 12:40 eppinged
Curve Type : Average

Calibration File Names:

Level 1: /var/chem/gc8.i/4140.b/h-a40427.d
Level 2: /var/chem/gc8.i/4140.b/h-a40428.d
Level 3: /var/chem/gc8.i/4140.b/h-a40429.d
Level 4: /var/chem/gc8.i/4140.b/h-a40430.d
Level 5: /var/chem/gc8.i/4140.b/h-a40431.d

	0.00500	0.01000	0.02500	0.05000	0.10000		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD
51 Chlordane(1)	++++	++++	++++	++++	++++	++++	++++ <-
(2)	++++	++++	++++	++++	++++	++++	++++ <-
(3)	++++	++++	++++	++++	++++	++++	++++ <-
(4)	++++	++++	++++	++++	++++	++++	++++ <-
8 Aroclor-1221(1)	++++	++++	7705648	++++	++++	7705648	0.000
(2)	++++	++++	4810750	++++	++++	4810750	0.000
(3)	++++	++++	15041480	++++	++++	15041480	0.000
14 Aroclor-1232(1)	++++	++++	10148906	++++	++++	10148906	0.000
(2)	++++	++++	15242532	++++	++++	15242532	0.000
(3)	++++	++++	9902454	++++	++++	9902454	0.000
(4)	++++	++++	7224146	++++	++++	7224146	0.000
15 Aroclor-1242(1)	++++	++++	17552268	++++	++++	17552268	0.000
(2)	++++	++++	28515062	++++	++++	28515062	0.000
(3)	++++	++++	12645232	++++	++++	12645232	0.000
(4)	++++	++++	17507196	++++	++++	17507196	0.000
(5)	++++	++++	12247460	++++	++++	12247460	0.000
20 Aroclor-1016(1)	13545820	13804720	12945392	11545660	11108552	12590029	9.565
(2)	26073590	24224575	22314386	21128491	20269739	22802156	10.326
(3)	41710420	38826785	36506332	35538539	34673040	37451023	7.588
(4)	19429800	17736640	15483672	15943563	15021412	16723017	10.942
(5)	26741310	24207230	21702044	21894891	20583040	23025703	10.682
21 Aroclor-1248(1)	++++	++++	18608848	++++	++++	18608848	0.000
(2)	++++	++++	17384254	++++	++++	17384254	0.000
(3)	++++	++++	21311476	++++	++++	21311476	0.000
(4)	++++	++++	21950184	++++	++++	21950184	0.000
(5)	++++	++++	21215958	++++	++++	21215958	0.000

666 546

Report Date : 15-Jul-2000 12:41

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STL-PITTSBURGH

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2000 16:03
 End Cal Date : 14-JUL-2000 18:39
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 3.40
 Integrator : Falcon
 Method file : /var/chem/gc8.i/4140.b/PCBA.m
 Cal Date : 15-Jul-2000 12:40 eppinged
 Curve Type : Average

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
33 Aroclor-1254(1)	+++++	+++++	18551994	+++++	+++++	18551994	0.000
(2)	+++++	+++++	22278988	+++++	+++++	22278988	0.000
(3)	+++++	+++++	16299666	+++++	+++++	16299666	0.000
(4)	+++++	+++++	33130794	+++++	+++++	33130794	0.000
(5)	+++++	+++++	22300048	+++++	+++++	22300048	0.000
36 Aroclor-1260(1)	31546310	29563755	27542440	26824261	26029146	28301182	7.910
(2)	33204020	31040230	29374076	28852115	27954468	30084982	6.894
(3)	29830200	28349070	26460440	25571471	25806657	27203568	6.723
(4)	54325370	53628010	52897220	52140109	51677078	52933557	2.032
(5)	26929860	25768960	24709738	24167930	23924114	25100120	4.960
\$ 1 Tetrachloro-m-xylene	802505600	790275400	826133000	755579400	737136410	782325962	4.585
\$ 34 Decachlorobiphenyl	291020200	280301900	273693600	255513340	251465720	270398952	6.172

Data File: /var/chem/gc8.i/4140.b/h-a41034.d
Report Date: 31-Jul-2000 15:50

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666 547

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc8.i
Lab File ID: h-a41034.d
Analysis Type:
Lab Sample ID: M1660
Quant Type: ESTD

Injection Date: 31-JUL-2000 15:13
Init. Calibration Date(s): 07/14/0 07/14/0
Init. Calibration Times: 16:03 18:39
Method File: /var/chem/gc8.i/4140.b/PCBA.m

COMPOUND	RRF	RFO	MIN RRF	MAX RD	MAX RD
20 Aroclor-1016(1)	12590028.900	11993906.000	0.010	4.7	15.0
(2)	22802156.200	23056092.000	0.010	-1.1	15.0
(3)	37451023.300	38037108.000	0.010	-1.6	15.0
(4)	16723017.300	16211268.000	0.010	3.1	15.0
(5)	23025702.900	22889454.000	0.010	0.6	15.0
\$ 1 Tetrachloro-m-xylene	782325962.000	712419040.000	0.000	8.9	15.0
\$ 34 Decachlorobiphenyl	270398952.000	286459920.000	0.010	-5.9	15.0
36 Aroclor-1260(1)	28301182.500	28937790.000	0.010	-2.2	15.0
(2)	30084981.900	31221918.000	0.010	-3.8	15.0
(3)	27203567.600	28467610.000	0.010	-4.6	15.0
(4)	52933557.300	56011020.000	0.010	-5.8	15.0
(5)	25100120.400	26065762.000	0.010	-3.8	15.0

666 548

7E HP68908M
DB608Data File: /var/chem/gc8.i/4140.b/h-a41053.d
Report Date: 01-Aug-2000 08:34

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STL-PITTSBURGH

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc8.i
Lab File ID: h-a41053.d
Analysis Type:
Lab Sample ID: M1660
Quant Type: ESTDInjection Date: 31-JUL-2000 21:23
Init. Calibration Date(s): 07/14/0 07/14/0
Init. Calibration Times: 16:03 18:39
Method File: /var/chem/gc8.i/4140.b/PCBA.m

COMPOUND	RRF	RFO	MIN	MAX
20 Aroclor-1016(1)	12590028.900	12193210.000	0.010	3.2 15.0
(2)	22802156.200	23244968.000	0.010	-1.9 15.0
(3)	37451023.300	38642668.000	0.010	-3.2 15.0
(4)	16723017.300	16533428.000	0.010	1.1 15.0
(5)	23025702.900	22832814.000	0.010	0.8 15.0
\$ 1 Tetrachloro-m-xylene	782325962.000	711616480.000	0.000	9.0 15.0
\$ 34 Decachlorobiphenyl	270398952.000	292281560.000	0.010	-8.1 15.0
36 Aroclor-1260(1)	28301182.500	29840176.000	0.010	-5.4 15.0
(2)	30084981.900	31972246.000	0.010	-6.3 15.0
(3)	27203567.600	29059400.000	0.010	-6.8 15.0
(4)	52933557.300	56779008.000	0.010	-7.3 15.0
(5)	25100120.400	26857294.000	0.010	-7.0 15.0

8D
PESTICIDE ANALYTICAL SEQUENCE

666 549

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.: 40325

SDG No.: C0G270302

GC Column: DB608

ID: 0.53

(mm) Init. Calib. Date(s): 07/14/00 07/14/00

Instrument ID: GC8

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 1.73			DCB: 10.82		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
=====	=====	=====	=====	=====	=====
01	M2154	07/14/00	1603	1.73	10.81
02	M1232	07/14/00	1622		
03	M1242	07/14/00	1642		
04	M1248	07/14/00	1701		
05	L1660	07/14/00	1721	1.73	10.82
06	ML1660	07/14/00	1740	1.73	10.82
07	M1660	07/14/00	1800	1.73	10.82
08	MH1660	07/14/00	1819	1.73	10.82
09	H1660	07/14/00	1839	1.73	10.82
10	2ND2154	07/14/00	1858	1.73	
11	2ND1232	07/14/00	1918		
12	2ND1242	07/14/00	1937		
13	2ND1248	07/14/00	1956		
14	2ND1660	07/14/00	2016		
15	M2154	07/31/00	1355	1.71	10.80
16	M1232	07/31/00	1414		
17	M1242	07/31/00	1434		
18	M1248	07/31/00	1453		
19	M1660	07/31/00	1513	1.73	10.82
20	DF/S1/0208/I	07/31/00	1847	1.73	10.81
21	PBLK	07/31/00	2024	1.73	10.81
22	LCS	07/31/00	2044	1.73	10.81
23	LCS	07/31/00	2103	1.73	10.81
24	M1660	07/31/00	2123	1.72	10.81
25					
26					
27					
28					
29					
30					
31					
32					

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

666 559

Data File: /var/chem/gc8.i/4140.b/h-a40423.d
 Report Date: 15-Jul-2000 12:46

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STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40423.d

Lab Smp Id: M2154

Inj Date : 14-JUL-2000 16:03

Operator : 010139

Inst ID: gc8.i

Smp Info : M2154,4140.b

Misc Info : 190-83-1

Comment :

Method : /var/chem/gc8.i/4140.b/PCBA.m

Meth Date : 15-Jul-2000 12:45 eppinged Quant Type: ESTD

Cal Date : 14-JUL-2000 16:03 Cal File: h-a40423.d

Als bottle: 2

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 2-2154.sub

Target Version: 3.40

Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ng)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
8 Aroclor-1221					CAS #: 11104-28-2			
2.047	2.047	0.000	3852824	0.50000	0.50000	0.00- 0.00	0.00	
2.187	2.187	0.000	2405375	0.50000	0.50000	116.57- 156.57	0.00	
2.252	2.252	0.000	7520740	0.50000	0.50000	66.04- 106.04	0.00	
Average of Peak Amounts =					0.5			

\$ 1 Tetrachloro-m-xylene					CAS # 877-09-8			
1.728	1.732	-0.004	17513368	0.02500	0.025000	0.00- 0.00	0.00	

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
10.815	10.820	-0.005	6190455	0.02500	0.025000	0.00- 0.00	0.00	

33 Aroclor-1254					CAS #: 11097-69-1			
4.479	4.479	0.000	9275997	0.50000	0.50000	0.00- 0.00	0.00	
4.550	4.550	0.000	11139494	0.50000	0.50000	92.23- 132.23	0.00	
5.189	5.189	0.000	8149833	0.50000	0.50000	77.40- 117.40	0.00	
5.360	5.360	0.000	16565397	0.50000	0.50000	51.09- 91.09	0.00	
5.530	5.530	0.000	11150024	0.50000	0.50000	65.01- 105.01	0.00	
Average of Peak Amounts =					0.5			

Data File: /var/chem/gc08.i/4140.b/r-a40423.d

Date: 14-JUL-2000 16:03

Client ID:

Sample Info: H2154,4140.b

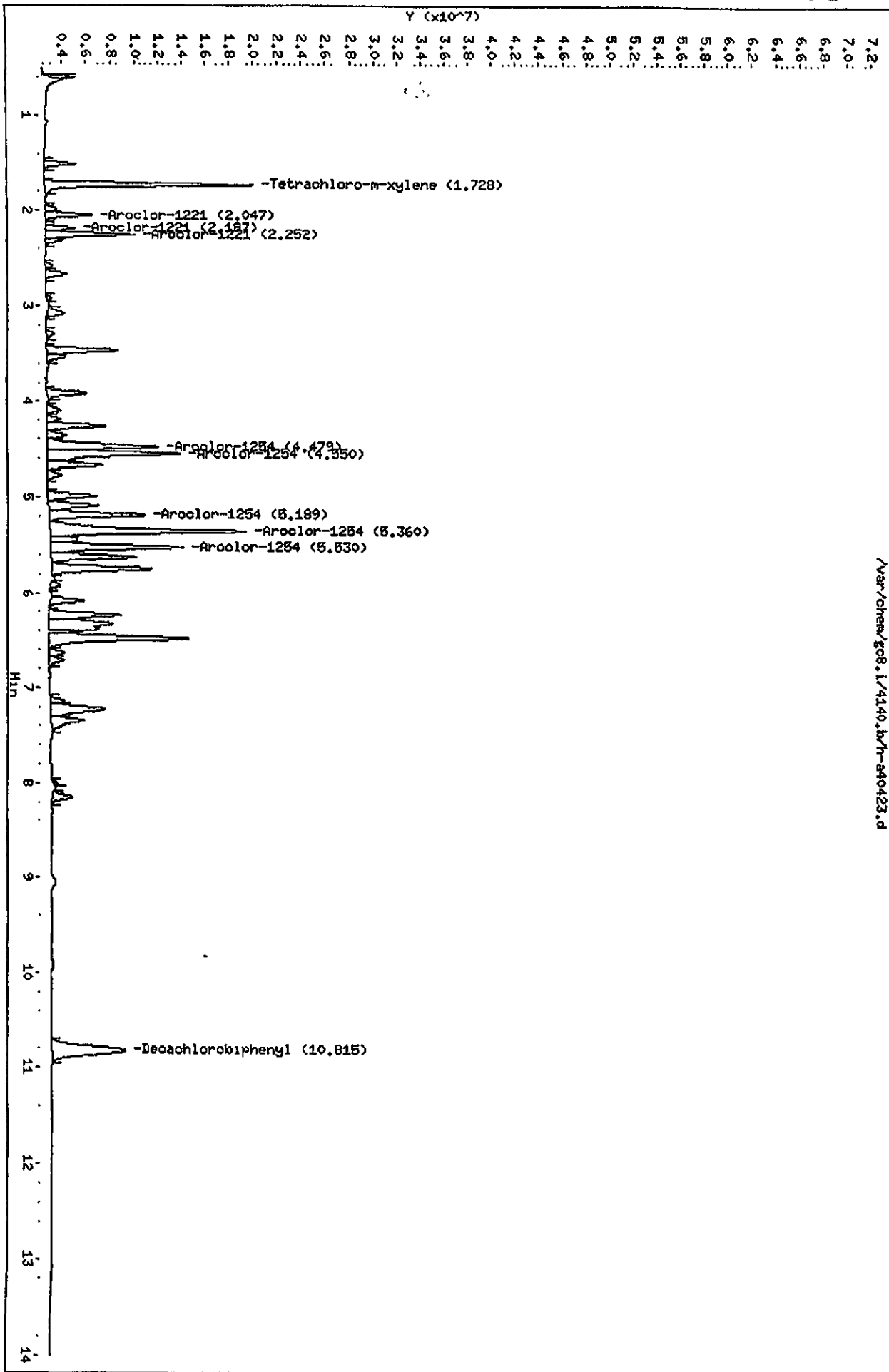
Column phase: DB608

Instrument: gc08.i

Operator: 010139

Column diameter: 0.53

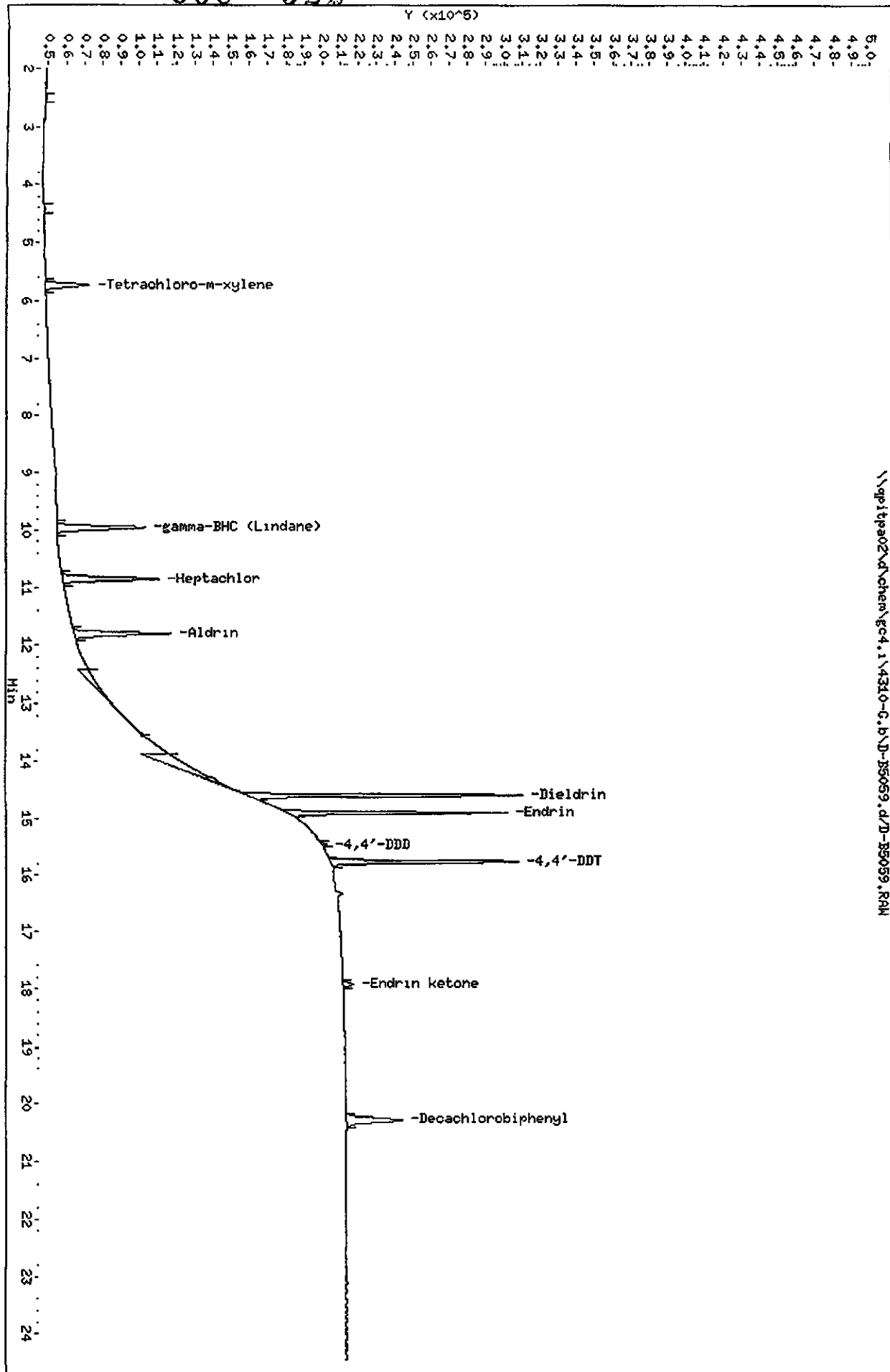
/var/chem/gc08.i/4140.b/r-a40423.d



666 522

Data File: \\pittpa02\chem\gc4.i\4310-G.b.D-B5059.d
 Date : 01-AUG-2000 12:14
 Client ID: LCDH
 Sample Info: DH4KH03,4310-G.b.,PEST.sub,,3,
 Volume Injected (uL): 1.0
 Column phase: DD1704

Instrument: gc4.i
 Operator: 1891
 Column diameter: 0.53



Data File: /var/chem/gc8.i/4140.b/h-a40424.d
Report Date: 15-Jul-2000 12:46

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40424.d
Lab Smp Id: M1232
Inj Date : 14-JUL-2000 16:22
Operator : 010139
Smp Info : M1232,4140.b
Misc Info : 190-83-2
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 16:22
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

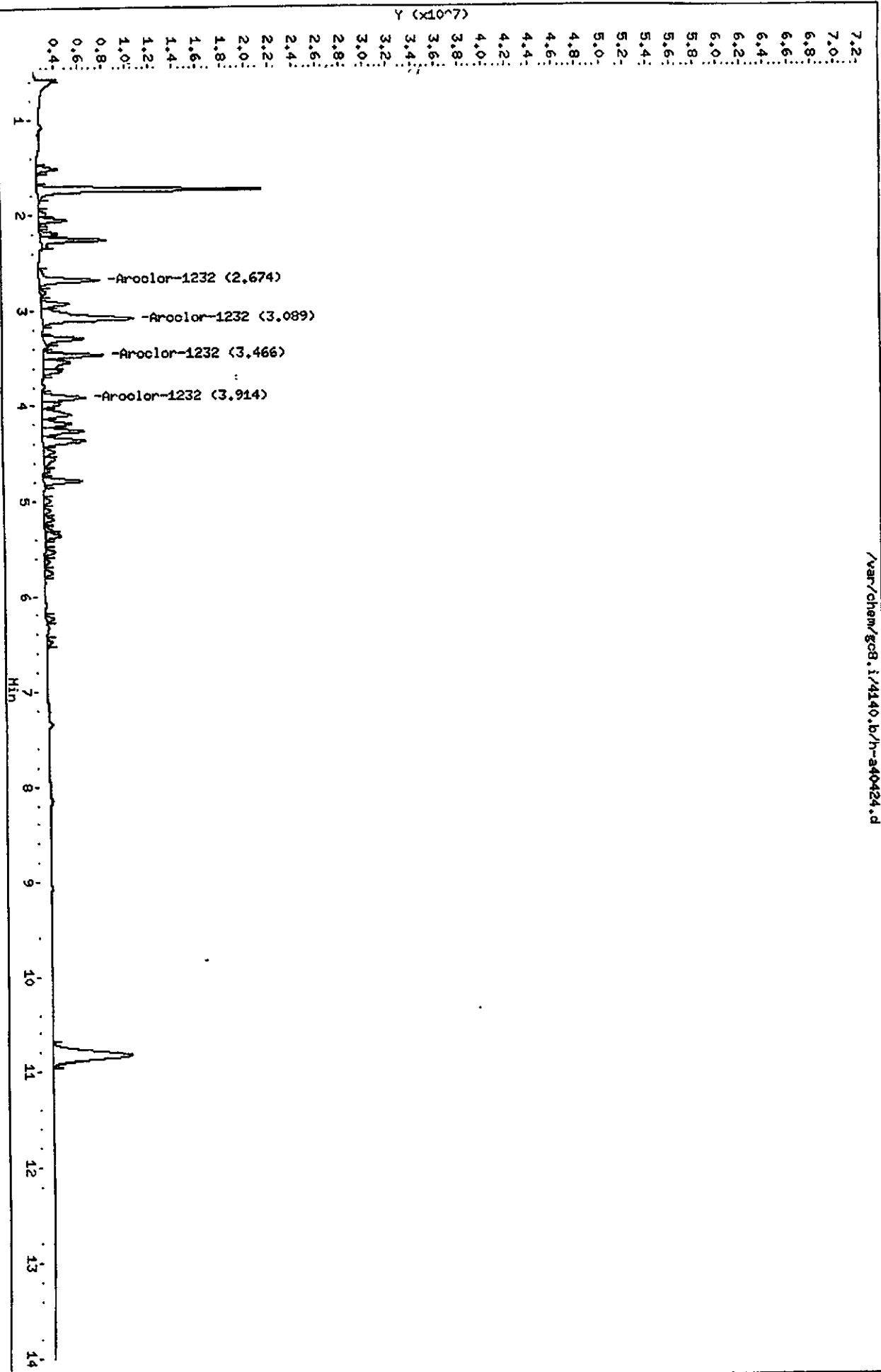
Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40424.d
Calibration Sample, Level: 3
Compound Sublist: 3-1232.sub
Sample Matrix: None

AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (	ng)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
14 Aroclor-1232			CAS #: 11141-16-5			
2.674	2.674	0.000	5074453	0.50000	0.50000 0.00- 0.00	0.00
3.089	3.089	0.000	7621266	0.50000	0.50000 146.26- 186.26	0.00
3.466	3.466	0.000	4951227	0.50000	0.50000 65.99- 105.99	0.00
3.914	3.914	0.000	3612073	0.50000	0.50000 74.18- 114.18	0.00
Average of Peak Amounts =				0.5		

553 666

Data File: /var/chem/gc8.i/4140.b/h-a40424.d
 Date: 14-JUL-2000 16:22
 Client ID:
 Sample Info: H1232,4140.b
 Column phase: DB608

Instrument: gc8.i
 Operator: 010139
 Column diameter: 0.53



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40425.d
Lab Smp Id: M1242
Inj Date : 14-JUL-2000 16:42
Operator : 010139
Smp Info : M1242,4140.b
Misc Info : 190-83-3
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 16:42
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40425.d
Calibration Sample, Level: 3
Compound Sublist: 4-1242.sub
Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
15 Aroclor-1242					CAS #: 53469-21-9				
2.676	2.676	0.000	8776134	0.50000	0.50000	0.00-	0.00		0.00
3.091	3.091	0.000	14257531	0.50000	0.50000	310.13-	350.13		0.00
3.295	3.295	0.000	6322616	0.50000	0.50000	749.70-	789.70		0.00
3.467	3.467	0.000	8753598	0.50000	0.50000	512.48-	552.48		0.00
4.786	4.786	0.000	6123730	0.50000	0.50000	314.30-	354.30		0.00
Average of Peak Amounts =					0.5				

Data File: /var/chem/gc8.i/4140.b/h-a40425.d
Date: 14-JUL-2000 16:42

Client ID:

Sample Info: M1242.4140.b

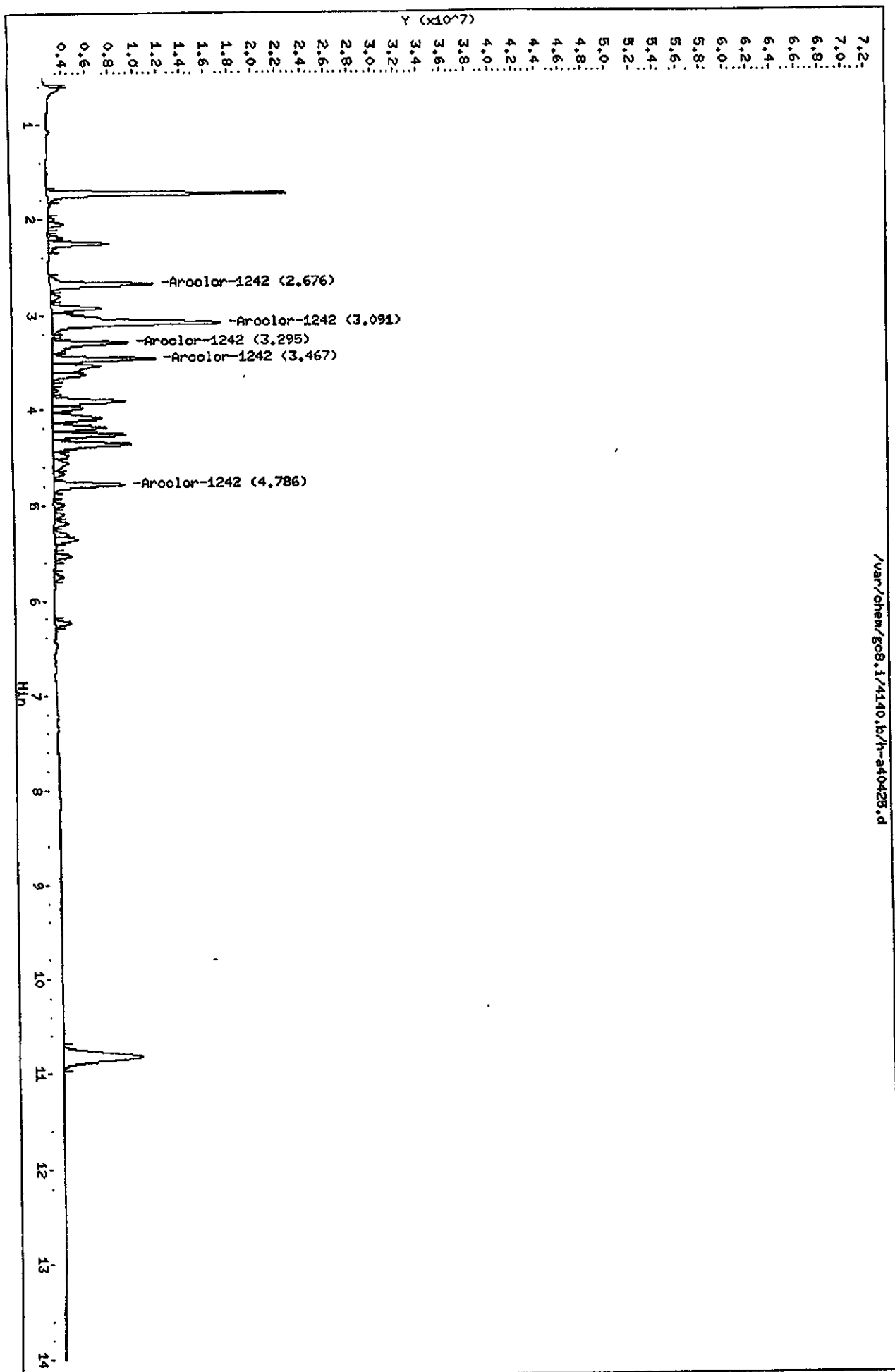
Column phase: DB608

Instrument: gc8.1

Operator: 010139

Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-a40425.d



STL-PITTSBURGH

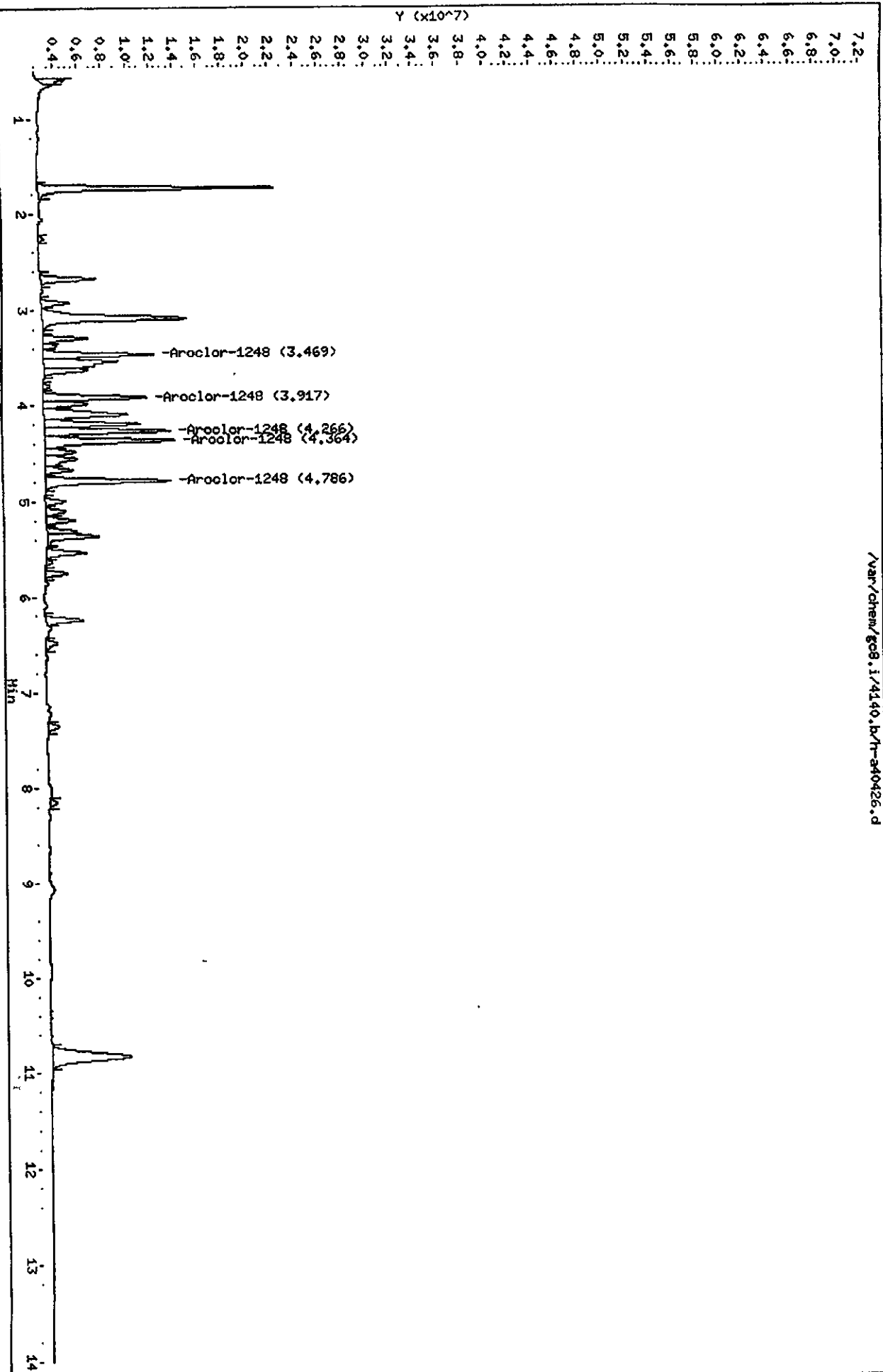
Data file : /var/chem/gc8.i/4140.b/h-a40426.d
Lab Smp Id: M1248
Inj Date : 14-JUL-2000 17:01
Operator : 010139
Smp Info : M1248,4140.b
Misc Info : 190-83-4
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 17:01
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40426.d
Calibration Sample, Level: 3
Compound Sublist: 5-1248.sub
Sample Matrix: None

AMOUNTS							
		CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	TARGET RANGE	RATIO
ng)					ng)		
==	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1248			CAS #: 12672-29-6				
3.469	3.469	0.000	9304424	0.50000	0.50000	0.00- 0.00	0.00
3.917	3.917	0.000	8692127	0.50000	0.50000	114.57- 154.57	0.00
4.266	4.266	0.000	10655738	0.50000	0.50000	63.67- 103.67	0.00
4.364	4.364	0.000	10975092	0.50000	0.50000	43.86- 83.86	0.00
4.786	4.786	0.000	10607979	0.50000	0.50000	128.08- 168.08	0.00
Average of Peak Amounts =				0.5			

Data File: /var/chem/gc8.i/4140.b/h-a40426.d
Date: 14-JUL-2000 17:01
Client ID:
Sample Info: M1248,4140.b
Column phase: DB608

Instrument: gc8.i
Operator: 010139
Column diameter: 0.53



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40427.d
Lab Smp Id: L1660
Inj Date : 14-JUL-2000 17:21
Operator : 010139
Smp Info : L1660,4140.b
Misc Info : 190-83-5
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 17:21
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40427.d
Calibration Sample, Level: 1
Compound Sublist: 1-1660.sub
Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----	-----
20 Aroclor-1016					CAS #: 12674-11-2				
2.255	2.256	-0.001		1354582	0.10000	0.10000	0.00-	0.00	0.00 (M)
2.677	2.679	-0.002		2607359	0.10000	0.10000	80.00-	120.00	0.00
3.087	3.094	-0.007		4171042	0.10000	0.10000	416.04-	456.04	0.00
3.297	3.297	0.000		1942980	0.10000	0.10000	203.51-	243.51	0.00
3.468	3.469	-0.001		2674131	0.10000	0.10000	297.56-	337.56	0.00
Average of Peak Amounts =					0.1				

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8				
1.730	1.732	-0.002		4012528	0.00500	0.0053392	0.00-	0.00	0.00 (M)

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3				
10.823	10.820	0.003		1455101	0.00500	0.0054029	0.00-	0.00	0.00 (M)

36 Aroclor-1260					CAS #: 11096-82-5				
5.638	5.637	0.001		3154631	0.10000	0.10000	0.00-	0.00	0.00 (M)
5.758	5.756	0.002		3320402	0.10000	0.10000	95.86-	135.86	0.00
6.480	6.480	0.000		2983020	0.10000	0.10000	116.91-	156.91	0.00
7.356	7.356	0.000		5432537	0.10000	0.10000	120.00-	160.00	0.00
8.154	8.156	-0.002		2692986	0.10000	0.10000	108.33-	148.33	0.00
Average of Peak Amounts =					0.1				

Data File: /var/chem/gc8.i/4140.b/h-a40427.d
Report Date: 15-Jul-2000 12:47

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QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/g08.i/4140.b/h-a40427.d

Date: 14-JUL-2000 17:21

Client ID:

Sample Info: L1660,4140.b

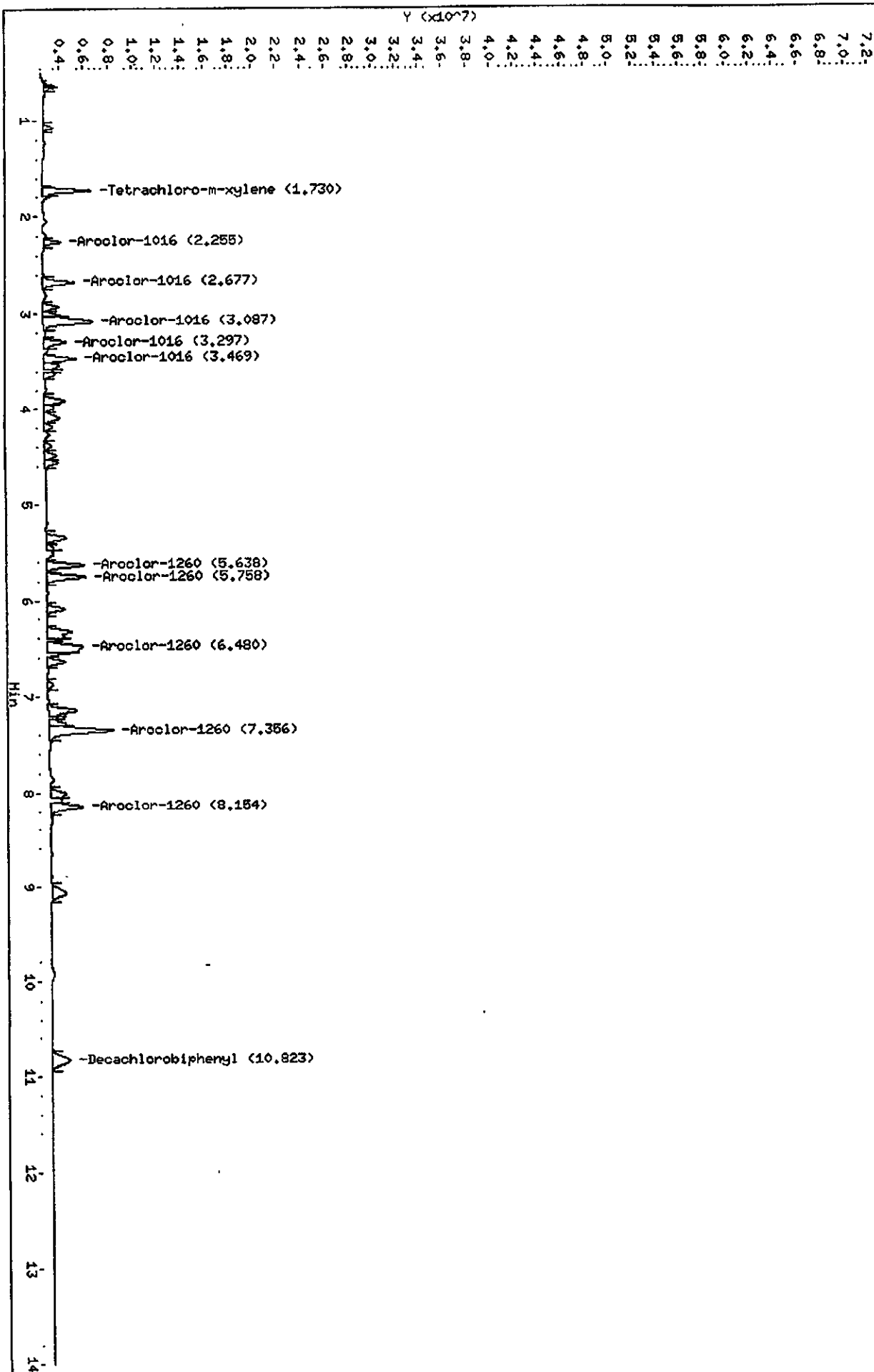
Column phase: DB608

Instrument: g08.i

Operator: 010139

Column diameter: 0.53

/var/chem/g08.i/4140.b/h-a40427.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40428.d
Lab Smp Id: ML1660
Inj Date : 14-JUL-2000 17:40
Operator : 010139
Smp Info : ML1660,4140.b
Misc Info : 190-83-6
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 17:40
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40428.d
Calibration Sample, Level: 2
Compound Sublist: 1-1660.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
..								
20 Aroclor-1016					CAS #: 12674-11-2			
2.255	2.256	-0.001	2760944	0.20000	0.20189	0.00- 0.00	0.00(M)	
2.677	2.679	-0.002	4844915	0.20000	0.19265	80.00- 120.00	0.00	
3.091	3.094	-0.003	7765357	0.20000	0.19284	416.04- 456.04	0.00	
3.296	3.297	-0.001	3547328	0.20000	0.19089	203.51- 243.51	0.00	
3.467	3.469	-0.002	4841446	0.20000	0.19005	297.56- 337.56	0.00	
Average of Peak Amounts =					0.19366			

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
1.732	1.732	0.000	7902754	0.01000	0.010338	0.00- 0.00	0.00	

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
10.822	10.820	0.002	2803019	0.01000	0.010268	0.00- 0.00	0.00	

36 Aroclor-1260					CAS #: 11096-82-5			
5.634	5.637	-0.003	5912751	0.20000	0.19351	0.00- 0.00	0.00(M)	
5.755	5.756	-0.001	6208046	0.20000	0.19326	95.86- 135.86	0.00	
6.481	6.480	0.001	5669814	0.20000	0.19491	116.91- 156.91	0.00	
7.353	7.356	-0.003	10725602	0.20000	0.19871	120.00- 160.00	0.00	
8.155	8.156	-0.001	5153792	0.20000	0.19559	108.33- 148.33	0.00	
Average of Peak Amounts =					0.1952			

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Data File: /var/chem/gc8.i/4140.b/h-a40428.d
Report Date: 15-Jul-2000 12:47

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QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gc8.i/4140.b/h-a40428.d

Date: 14-JUL-2000 17:40

Client ID:

Sample Info: HL1660-4140.b

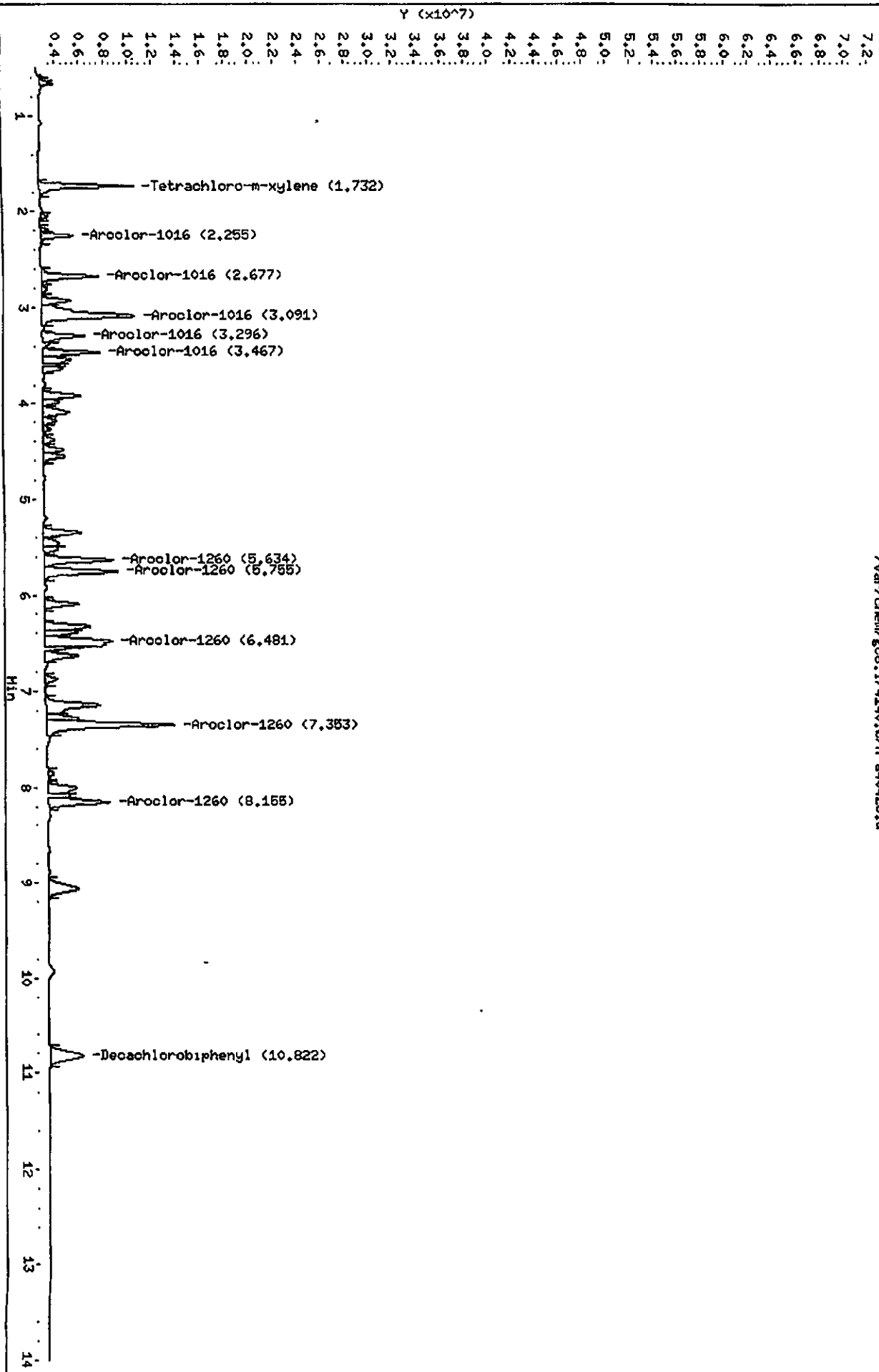
Column phase: DB608

Instrument: gc8.i

Operator: 010139

Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-a40428.d



Data File: /var/chem/gc8.i/4140.b/h-a40429.d
Report Date: 15-Jul-2000 12:47

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40429.d

Lab Smp Id: M1660

Inj Date : 14-JUL-2000 18:00

Operator : 010139

Inst ID: gc8.i

Smp Info : M1660,4140.b

Misc Info : 190-83-7

Comment :

Method : /var/chem/gc8.i/4140.b/PCBA.m

Meth Date : 15-Jul-2000 12:45 eppinged

Quant Type: ESTD

Cal Date : 14-JUL-2000 18:00

Cal File: h-a40429.d

Als bottle: 8

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 1-1660.sub

Target Version: 3.40

Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO
..								
20 Aroclor-1016					CAS #: 12674-11-2			
2 256	2 256	0.000	6472696	0 50000	0.48189	0.00-	0.00	0.00
2.679	2.679	0.000	11157193	0.50000	0.46096	80.00-	120.00	0.00
3.094	3 094	0.000	18253166	0.50000	0.46786	416 04-	456.04	0.00
3 297	3 297	0.000	7741836	0 50000	0.44113	203.51-	243 51	0 00
3.469	3.469	0.000	10851022	0.50000	0.44808	297.56-	337.56	0.00
Average of Peak Amounts =					0.45998			

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
1.732	1.732	0.000	20653325	0.02500	0.025615	0.00-	0.00	0.00

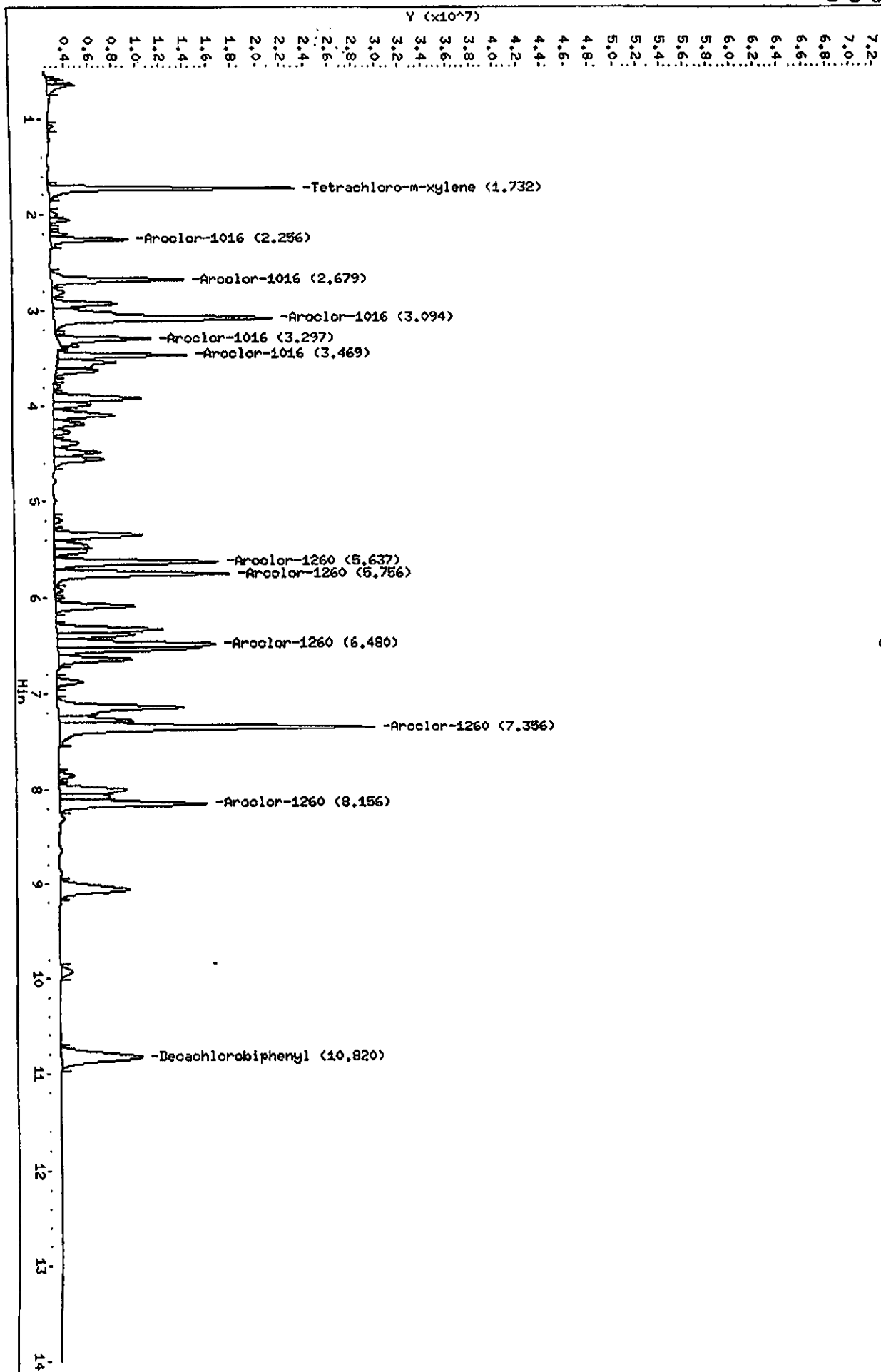
\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
10.820	10.820	0 000	6842340	0.02500	0.024292	0.00-	0.00	0.00

36 Aroclor-1260					CAS #: 11096-82-5			
5.637	5.637	0.000	13771220	0.50000	0.46602	0.00-	0.00	0.00
5.756	5.756	0.000	14687038	0.50000	0.47065	95.86-	135.86	0.00
6 480	6 480	0 000	13230220	0.50000	0.46894	116.91-	156.91	0.00
7.356	7.356	0 000	26448610	0.50000	0.49329	120.00-	160.00	0.00
8.156	8 156	0.000	12354869	0.50000	0.47882	108.33-	148 33	0.00
Average of Peak Amounts =					0.47554			

Data File: /var/chem/gc8.i/4140.b/h-s40429.d
Date: 14-JUL-2000 18:00
Client ID:
Sample Info: H1660-4140.b
Column phase: DB608

Instrument: gc8.i
Operator: 010139
Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-s40429.d



666 566

Data File: /var/chem/gc8.i/4140.b/h-a40430.d
 Report Date: 15-Jul-2000 12:47

Page 1

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40430.d
 Lab Smp Id: MH1660
 Inj Date : 14-JUL-2000 18:19
 Operator : 010139
 Smp Info : MH1660,4140.b
 Misc Info : 190-83-8
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 15-Jul-2000 12:45 eppinged
 Cal Date : 14-JUL-2000 18:19
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.40

Inst ID: gc8.i
 Quant Type: ESTD
 Cal File: h-a40430.d
 Calibration Sample, Level: 4
 Compound Sublist: 1-1660.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE		RATIO
..								
20 Aroclor-1016			CAS #: 12674-11-2					
2.254	2.256	-0.002	11545660	1.00000	0.89084	0.00-	0.00	0.00 (M)
2.677	2.679	-0.002	21128491	1.00000	0.90157	80.00-	120.00	0.00
3.091	3.094	-0.003	35538539	1.00000	0.93166	416.04-	456.04	0.00
3.296	3.297	-0.001	15943563	1.00000	0.92974	203.51-	243.51	0.00
3.468	3.469	-0.001	21894891	1.00000	0.92632	297.56-	337.56	0.00
Average of Peak Amounts =					0.91603			

\$ 1 Tetrachloro-m-xylene			CAS # 877-09-8					
1.731	1.732	-0.001	37778970	0.05000	0.047603	0.00-	0.00	0.00

\$ 34 Decachlorobiphenyl			CAS #: 2051-24-3					
10.819	10.820	-0.001	12775667	0.05000	0.046435	0.00-	0.00	0.00

36 Aroclor-1260			CAS #: 11096-82-5					
5.636	5.637	-0.001	26824261	1.00000	0.92916	0.00-	0.00	0.00 (M)
5.756	5.756	0.000	28852115	1.00000	0.94234	95.86-	135.86	0.00
6.484	6.480	0.004	25571471	1.00000	0.92809	116.91-	156.91	0.00
7.354	7.356	-0.002	52140109	1.00000	0.97920	120.00-	160.00	0.00
8.154	8.156	-0.002	24167930	1.00000	0.95171	108.33-	148.33	0.00
Average of Peak Amounts =					0.9461			

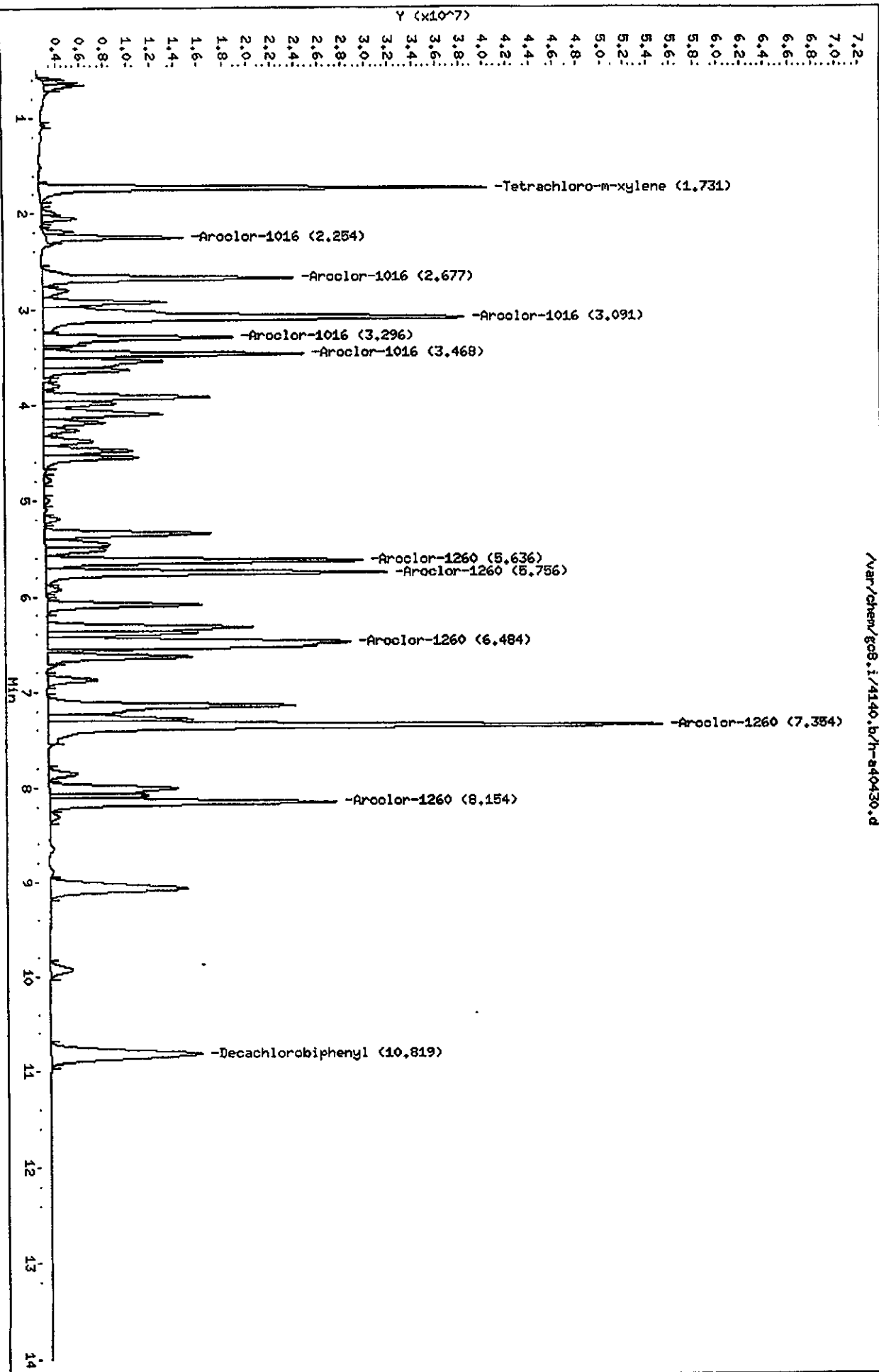
666 567

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/608.i/4140.b/h-a40430.d
Date: 14-JUL-2000 18:19
Client ID:
Sample Info: HH460,4140.b
Column phase: DB608

Instrument: 608.i
Operator: 010139
Column diameter: 0.53



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40431.d
 Lab Smp Id: H1660
 Inj Date : 14-JUL-2000 18:39
 Operator : 010139
 Smp Info : H1660,4140.b
 Misc Info : 190-83-9
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 15-Jul-2000 12:45 eppinged
 Cal Date : 14-JUL-2000 18:39
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.40

Inst ID: gc8.i
 Quant Type: ESTD
 Cal File: h-a40431.d
 Calibration Sample, Level: 5
 Compound Sublist: 1-1660.sub
 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO	
--	-----	-----	-----	-----	-----	-----	-----	-----	
20 Aroclor-1016					CAS #: 12674-11-2				
2.255	2.256	-0.001	22217105	2.00000	1.7646	0.00-	0.00	0.00	
2.677	2.679	-0.002	40539478	2.00000	1.7779	80.00-	120.00	0.00	
3.089	3.094	-0.005	69346081	2.00000	1.8516	416.04-	456.04	0.00	
3.296	3.297	-0.001	30042823	2.00000	1.7965	203.51-	243.51	0.00	
3.467	3.469	-0.002	41166079	2.00000	1.7878	297.56-	337.56	0.00	
Average of Peak Amounts =					1.7957				

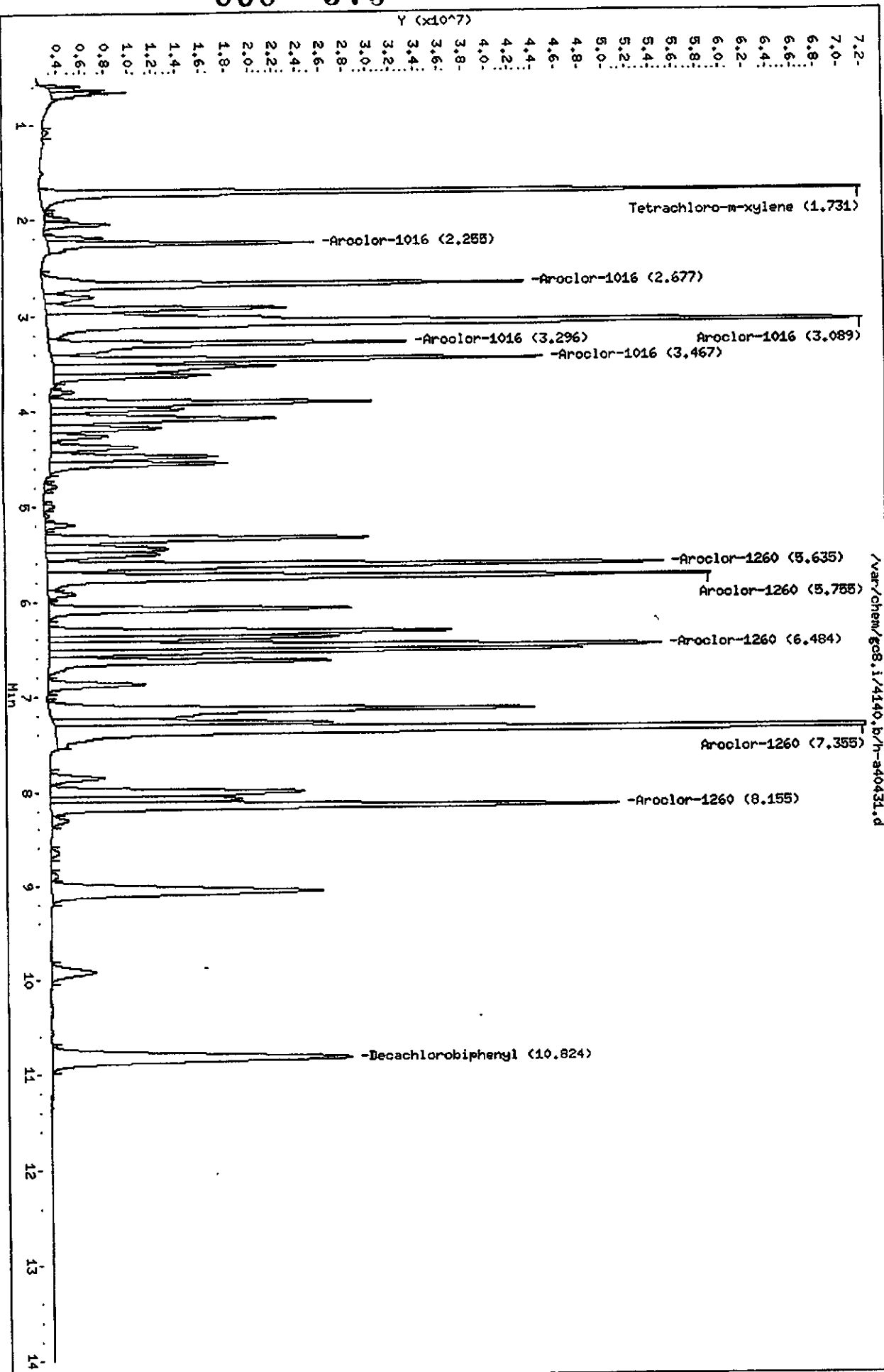
\$ 1 Tetrachloro-m-xylene					CAS # 877-09-8				
1.731	1.732	-0.001	73713641	0.10000	0.094224	0.00-	0.00	0.00	

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3				
10.824	10.820	0.004	25146572	0.10000	0.092998	0.00-	0.00	0.00	

36 Aroclor-1260					CAS #: 11096-82-5				
5.635	5.637	-0.002	52058293	2.00000	1.8394	0.00-	0.00	0.00	
5.755	5.756	-0.001	55908937	2.00000	1.8584	95.86-	135.86	0.00	
6.484	6.480	0.004	51613314	2.00000	1.8973	116.91-	156.91	0.00	
7.355	7.356	-0.001	103354155	2.00000	1.9525	120.00-	160.00	0.00	
8.155	8.156	-0.001	47848228	2.00000	1.9063	108.33-	148.33	0.00	
Average of Peak Amounts =					1.8908				

Data File: /var/chem/gc8.i/4140.b/h-s40431.d
Date: 14-JUL-2000 18:39
Client ID:
Sample Info: H1660/4140.b
Column phase: NB608

Instrument: gc8.i
Operator: 010139
Column diameter: 0.53



Data File: /var/chem/gc8.i/4140.b/h-a40432.d
Report Date: 15-Jul-2000 12:47

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STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40432.d
Lab Smp Id: 2ND2154
Inj Date : 14-JUL-2000 18:58
Operator : 010139
Smp Info : 2ND2154,4140.b
Misc Info : 190-92-1
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 18:39
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 2154.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
..	*****	*****	*****	*****	*****	*****	*****	
8 Aroclor-1221					CAS #: 11104-28-2			
2.051	2.047	0.004	3656415	0.50000	0.47451	0.00-	0.00	0.00
2.189	2.187	0.002	2376146	0.50000	0.49392	116.57-	156.57	0.00
2.255	2.252	0.003	7279423	0.50000	0.48396	66.04-	106.04	0.00
Average of Peak Amounts =					0.48413			

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
1.729	1.732	-0.003	868575	0.02500	0.0011102	0.00-	0.00	0.00

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
Compound Not Detected								

33 Aroclor-1254					CAS #: 11097-69-1			
4.481	4.479	0.002	9003021	0.50000	0.48528	0.00-	0.00	0.00
4.554	4.550	0.004	10978647	0.50000	0.49278	92.23-	132.23	0.00
5.193	5.189	0.004	8283492	0.50000	0.50820	77.40-	117.40	0.00
5.362	5.360	0.002	16346283	0.50000	0.49339	51.09-	91.09	0.00
5.532	5.530	0.002	11375777	0.50000	0.51012	65.01-	105.01	0.00
Average of Peak Amounts =					0.49796			

2nd
SOURCE

Data File: /var/chem/gc08.i/4140.b/h-a40432.d

Date: 14-JUL-2000 18:58

Client ID:

Sample Info: 2ND154,4140.b

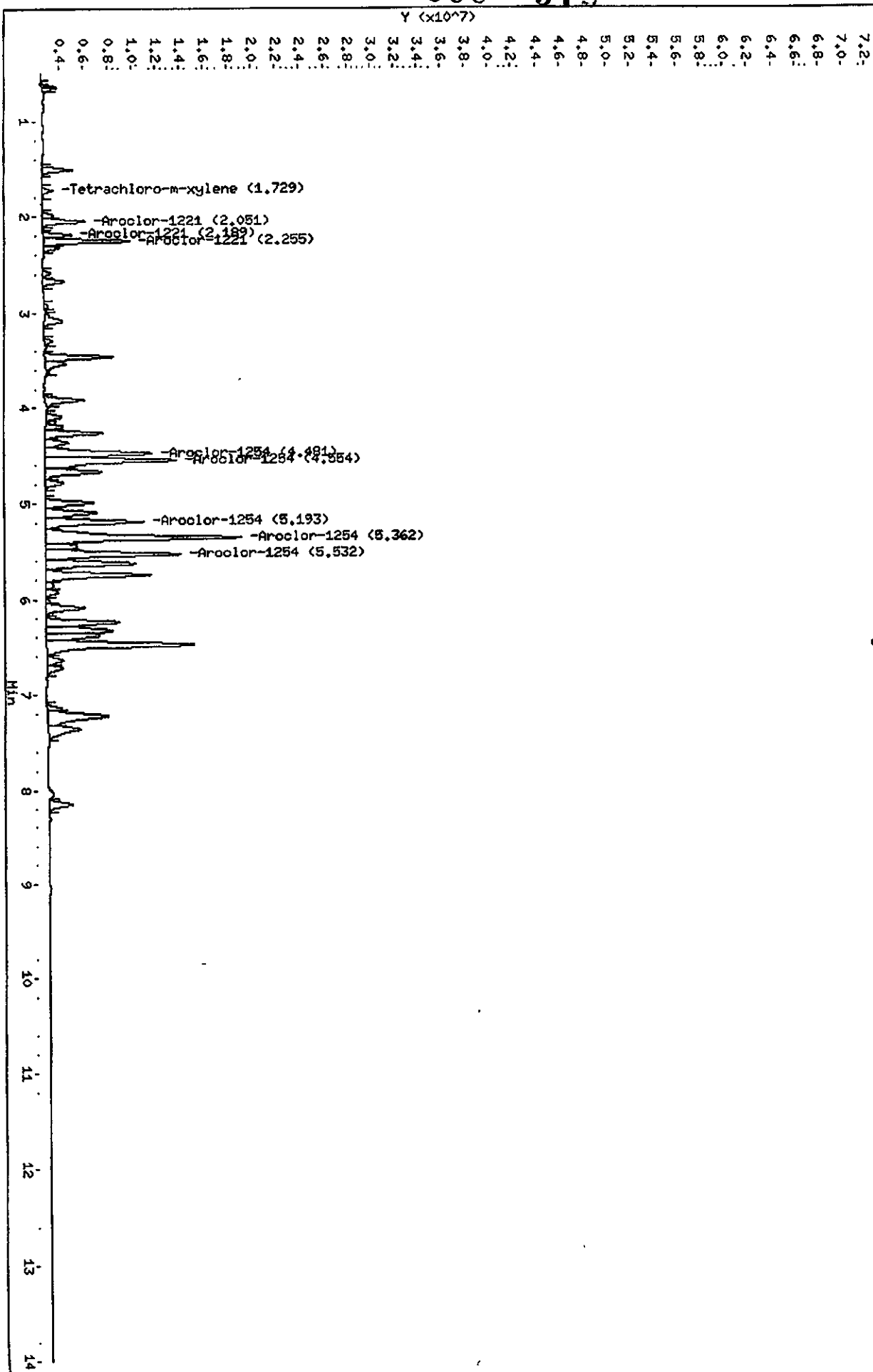
Column Phase: DB608

Instrument: gc08.1

Operator: 010139

Column diameter: 0.53

/var/chem/gc08.i/4140.b/h-a40432.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40433.d
Lab Smp Id: 2ND1232
Inj Date : 14-JUL-2000 19:18
Operator : 010139
Smp Info : 2ND1232,4140.b
Misc Info : 190-92-2
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 18:39
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1232.sub
Sample Matrix: None

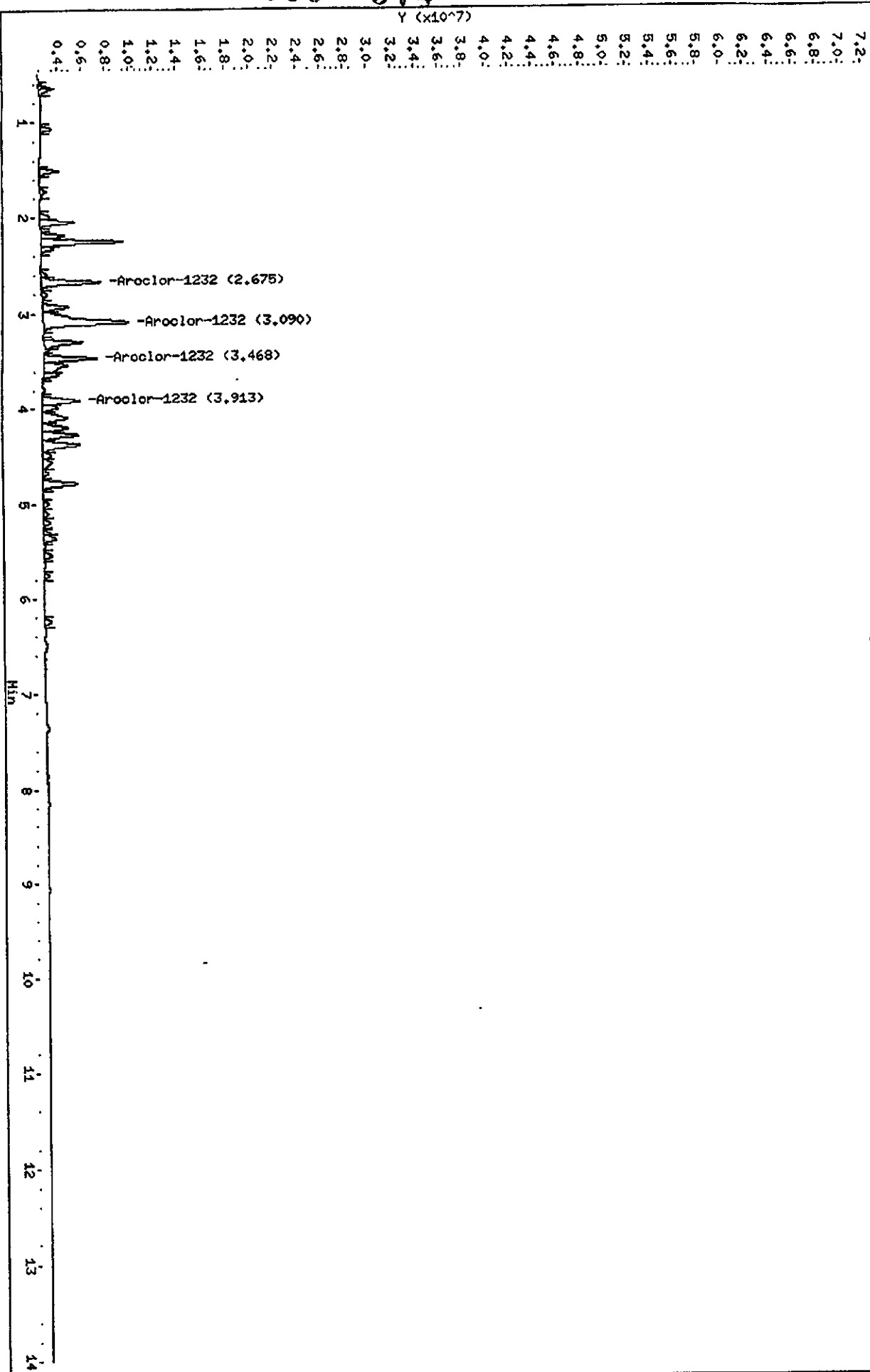
AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ng)	TARGET RANGE
..	*****	*****	*****	*****	*****	*****
14 Aroclor-1232			CAS #: 11141-16-5			
2.675	2.674	0.001	5006589	0.50000	0.49331	0.00- 0.00
3.090	3.089	0.001	7230203	0.50000	0.47434	146.26- 186.26
3.468	3.466	0.002	4444661	0.50000	0.44884	65.99- 105.99
3.913	3.914	-0.001	3150309	0.50000	0.43608	74.18- 114.18
Average of Peak Amounts =			0.46315			

2nd
SOURCE

Data File: /var/chem/gc08.i/4140.b/r-a40433.d
Date: 14-JUL-2000 19:18
Client ID:
Sample Info: 2MB1232,4140.b
Column phase: DB608

Instrument: gc08.i
Operator: 010139
Column diameter: 0.53

/var/chem/gc08.i/4140.b/r-a40433.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40434.d
Lab Smp Id: 2ND1242
Inj Date : 14-JUL-2000 19:37
Operator : 010139
Smp Info : 2ND1242,4140.b
Misc Info : 190-92-3
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 18:39
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1242.sub
Sample Matrix: None

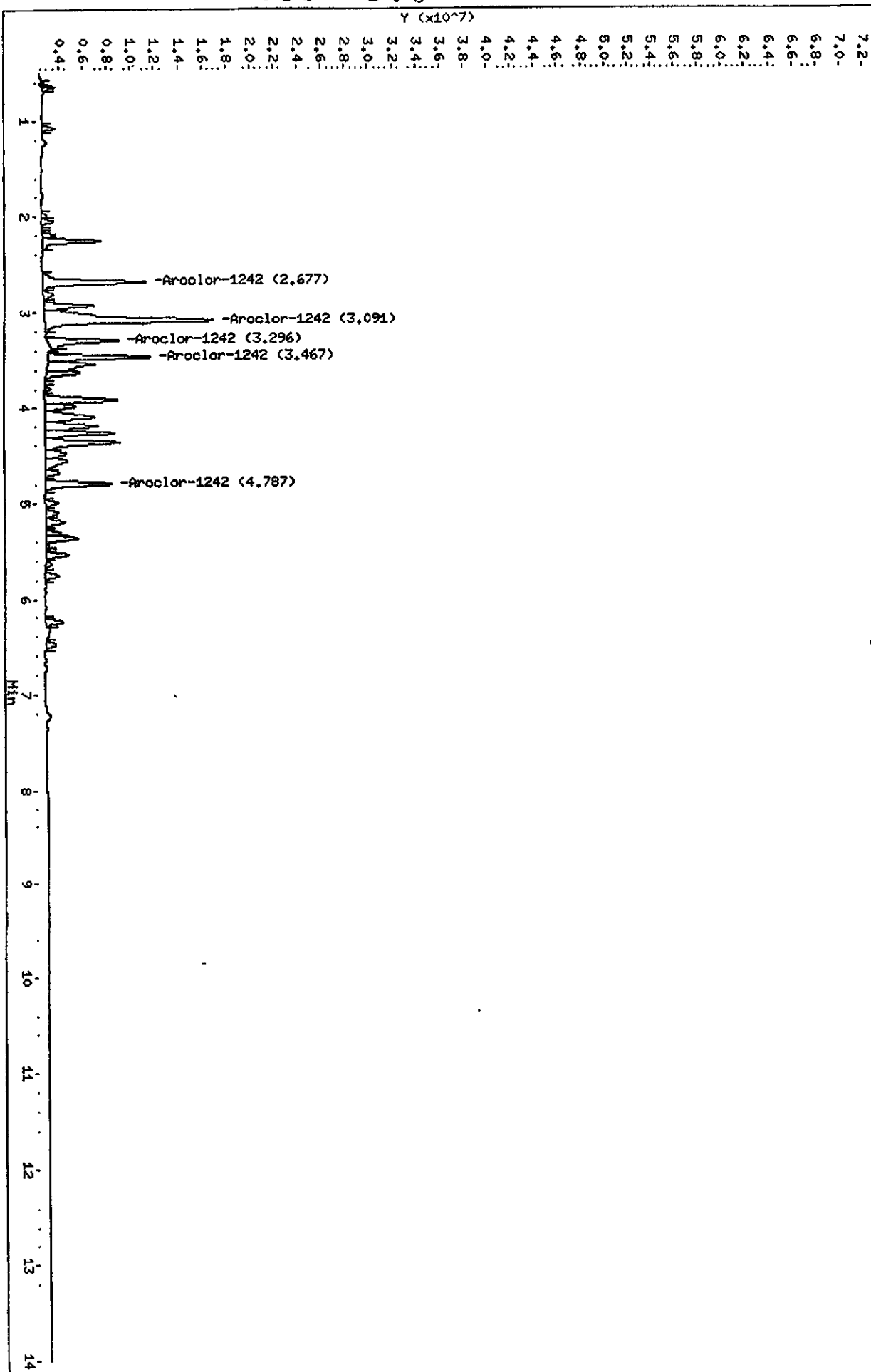
AMOUNTS						
		CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ng)	TARGET RANGE
..						
15 Aroclor-1242			CAS #: 53469-21-9			
2.677	2.676	0.001	8784427	0.50000	0.50047	0.00- 0.00
3.091	3.091	0.000	14119398	0.50000	0.49516	310.13- 350.13
3.296	3.295	0.001	6023658	0.50000	0.47636	749.70- 789.70
3.467	3.467	0.000	8667047	0.50000	0.49506	512.48- 552.48
4.787	4.786	0.001	5634520	0.50000	0.46006	314.30- 354.30
Average of Peak Amounts =			0.48542			

2nd
source

Data File: /var/chem/gc8.1/4140.b/h-a40434.d
Date: 14-JUL-2000 19:37
Client ID:
Sample Info: 2ND1242,4140.b
Column phases: DB608

Instrument: gc8.1
Operator: 010139
Column diameter: 0.53

/var/chem/gc8.1/4140.b/h-a40434.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40435.d
 Lab Smp Id: 2ND1248
 Inj Date : 14-JUL-2000 19:56
 Operator : 010139 Inst ID: gc8.i
 Smp Info : 2ND1248,4140.b
 Misc Info : 190-92-4
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 15-Jul-2000 12:45 eppinged Quant Type: ESTD
 Cal Date : 14-JUL-2000 18:39 Cal File: h-a40431.d
 Als bottle: 14 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 3.40 Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ng)		(ng)		TARGET RANGE	RATIO
..								
21 Aroclor-1248			CAS #: 12672-29-6					
3.467	3.469	-0.002	9137120	0.50000	0.49101	0.00-	0.00	0.00
3.915	3.917	-0.002	8579695	0.50000	0.49353	114.57-	154.57	0.00
4.264	4.266	-0.002	9693648	0.50000	0.45486	63.67-	103.67	0.00
4.365	4.364	0.001	9310909	0.50000	0.42418	43.86-	83.86	0.00
4.786	4.786	0.000	8328783	0.50000	0.39257	128.08-	168.08	0.00
Average of Peak Amounts =			0.45123					

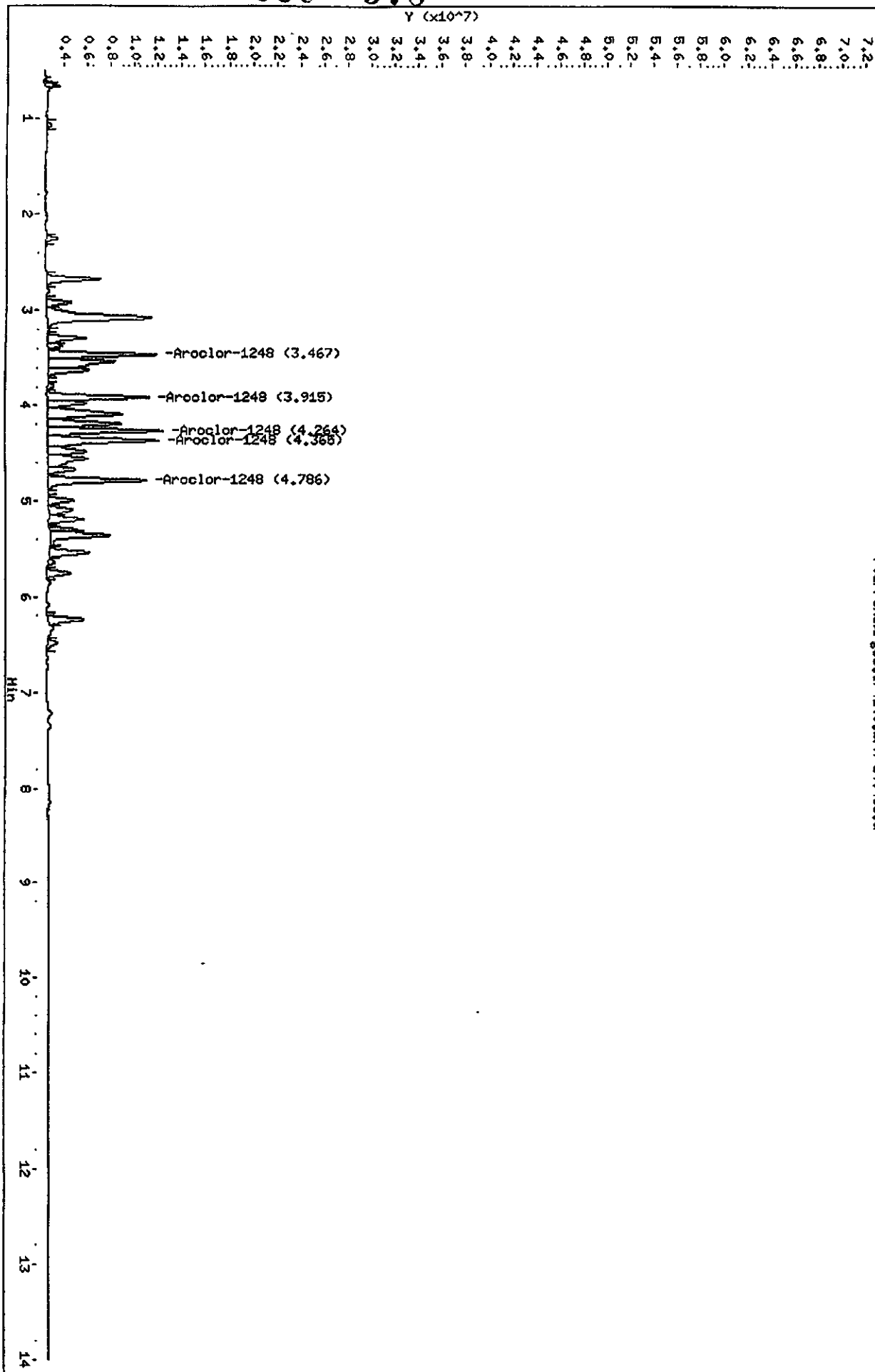
2nd
 source

666 578

Data File: /var/chem/gc8.i/4140.b/h-a40435.d
 Date: 14-JUL-2000 13:56
 Client ID:
 Sample Info: 2ND1248,4140.b
 Column phase: JRG08

Instrument: gc8.i
 Operator: 010139
 Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-a40435.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a40436.d
Lab Smp Id: 2ND1660
Inj Date : 14-JUL-2000 20:16
Operator : 010139
Smp Info : 2ND1660,4140.b
Misc Info : 190-92-5
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 15-Jul-2000 12:45 eppinged
Cal Date : 14-JUL-2000 18:39
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1660.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (ng)		(ng)	TARGET RANGE		RATIO
..								
20 Aroclor-1016					CAS #: 12674-11-2			
2.255	2.256	-0.001	5786139	0.50000	0.45958	0.00-	0.00	0.00
2.676	2.679	-0.003	10280149	0.50000	0.45084	80.00-	120.00	0.00
3.089	3.094	-0.005	16890963	0.50000	0.45101	416.04-	456.04	0.00
3.295	3.297	-0.002	7289325	0.50000	0.43588	203.51-	243.51	0.00
3.465	3.469	-0.004	9940337	0.50000	0.43171	297.56-	337.56	0.00
Average of Peak Amounts =					0.44581			

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
Compound Not Detected								

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
Compound Not Detected								

36 Aroclor-1260					CAS #: 11096-82-5			
5.634	5.637	-0.003	13267240	0.50000	0.46879	0.00-	0.00	0.00(M)
5.755	5.756	-0.001	13683761	0.50000	0.45484	95.86-	135.86	0.00
6.480	6.480	0.000	12912939	0.50000	0.47468	116.91-	156.91	0.00
7.355	7.356	-0.001	24385151	0.50000	0.46067	120.00-	160.00	0.00
8.153	8.156	-0.003	11596073	0.50000	0.46199	108.33-	148.33	0.00
Average of Peak Amounts =					0.46419			

2nd
SOURCE

QC Flag Legend

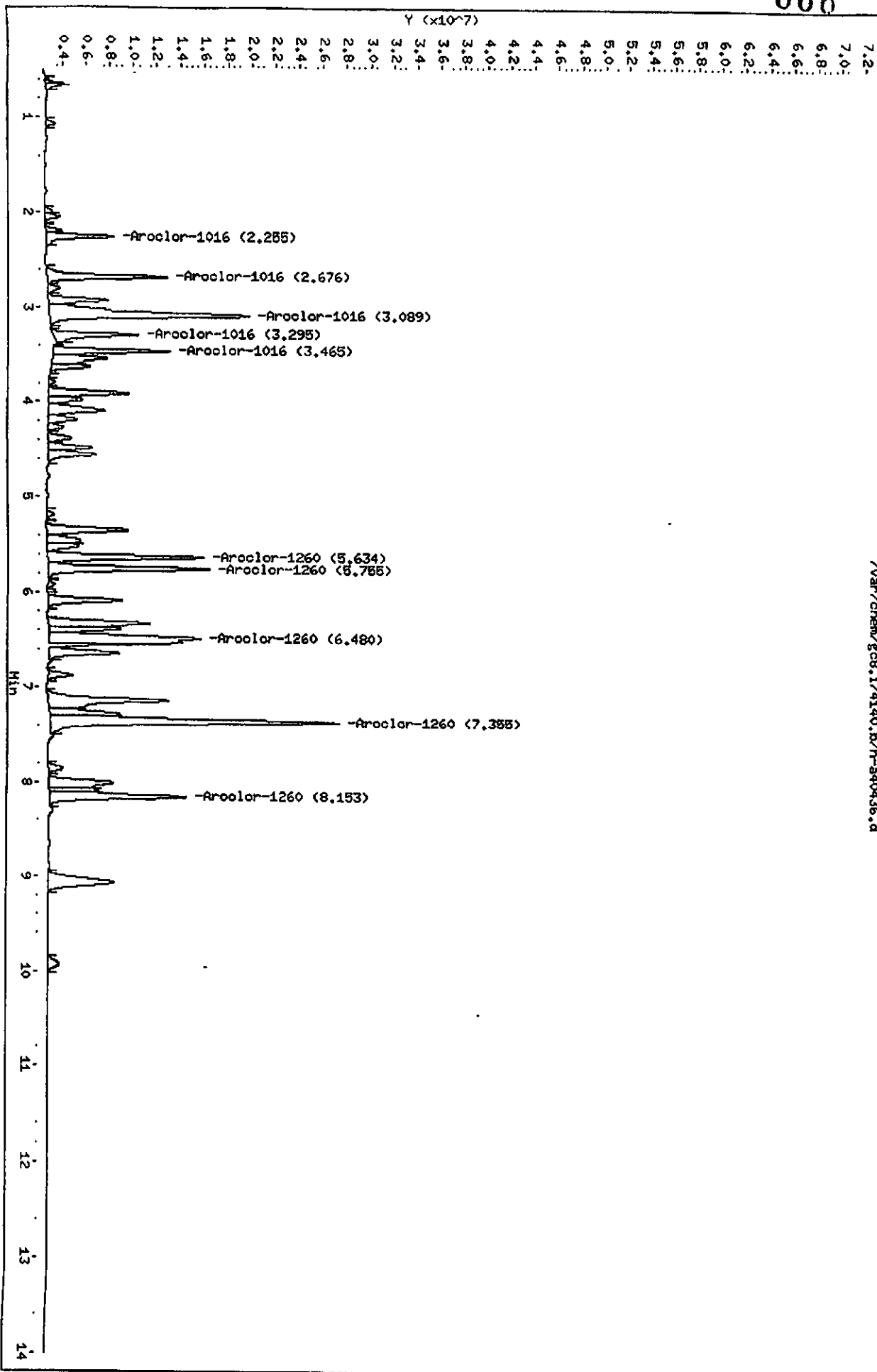
M - Compound response manually integrated.

Data File: /var/chem/gc8.i/4140.b/h-a40436.d
 Date: 14-JUL-2000 20:16
 Client ID:
 Sample Info: 2HD1660,4140.b

Column phase: DB608

Instrument: gc8.i
 Operator: 010139
 Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-a40436.d



Data File: /var/chem/gc8.i/4140.b/h-a41030.d
Report Date: 31-Jul-2000 14:47

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41030.d
Lab Smp Id: M2154
Inj Date : 31-JUL-2000 13:55
Operator : 010139
Smp Info : M2154,4140.b
Misc Info : 190-83-1
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 31-Jul-2000 14:46 g
Cal Date : 14-JUL-2000 18:39
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 2154.sub
Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO	
***	*****	*****	*****	*****	*****	*****	*****	*****	
8 Aroclor-1221						CAS #: 11104-28-2			
2.037	2.047	-0.010	3556061	0.50000	0.46149	0.00-	0.00	0.00 (M)	
2.178	2.187	-0.009	2244224	0.50000	0.46650	116.57-	156.57	0.00	
2.243	2.252	-0.009	6985844	0.50000	0.46444	66.04-	106.04	0.00	
Average of Peak Amounts =					0.46414	7.29-D			

\$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8			
1.713	1.732	-0.019	15983683	0.02500	0.020431	0.00-	0.00	0.00 (M)	

\$ 34 Decachlorobiphenyl						CAS #: 2051-24-3			
10.803	10.820	-0.017	6195444	0.02500	0.022912	0.00-	0.00	0.00	

33 Aroclor-1254						CAS #: 11097-69-1			
4.471	4.479	-0.008	9235347	0.50000	0.49781	0.00-	0.00	0.00 (M)	
4.543	4.550	-0.007	11101131	0.50000	0.49828	92.23-	132.23	0.00	
5.183	5.189	-0.006	8121002	0.50000	0.49823	77.40-	117.40	0.00	
5.353	5.360	-0.007	16591006	0.50000	0.50077	51.09-	91.09	0.00	
5.525	5.530	-0.005	11257464	0.50000	0.50482	65.01-	105.01	0.00	
Average of Peak Amounts =					0.49998	0.97-D			

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/ec8.i/4140.b/h-41030.d

Date: 31-JUL-2000 13:55

Client ID:

Sample Info: M2154, 4140.b

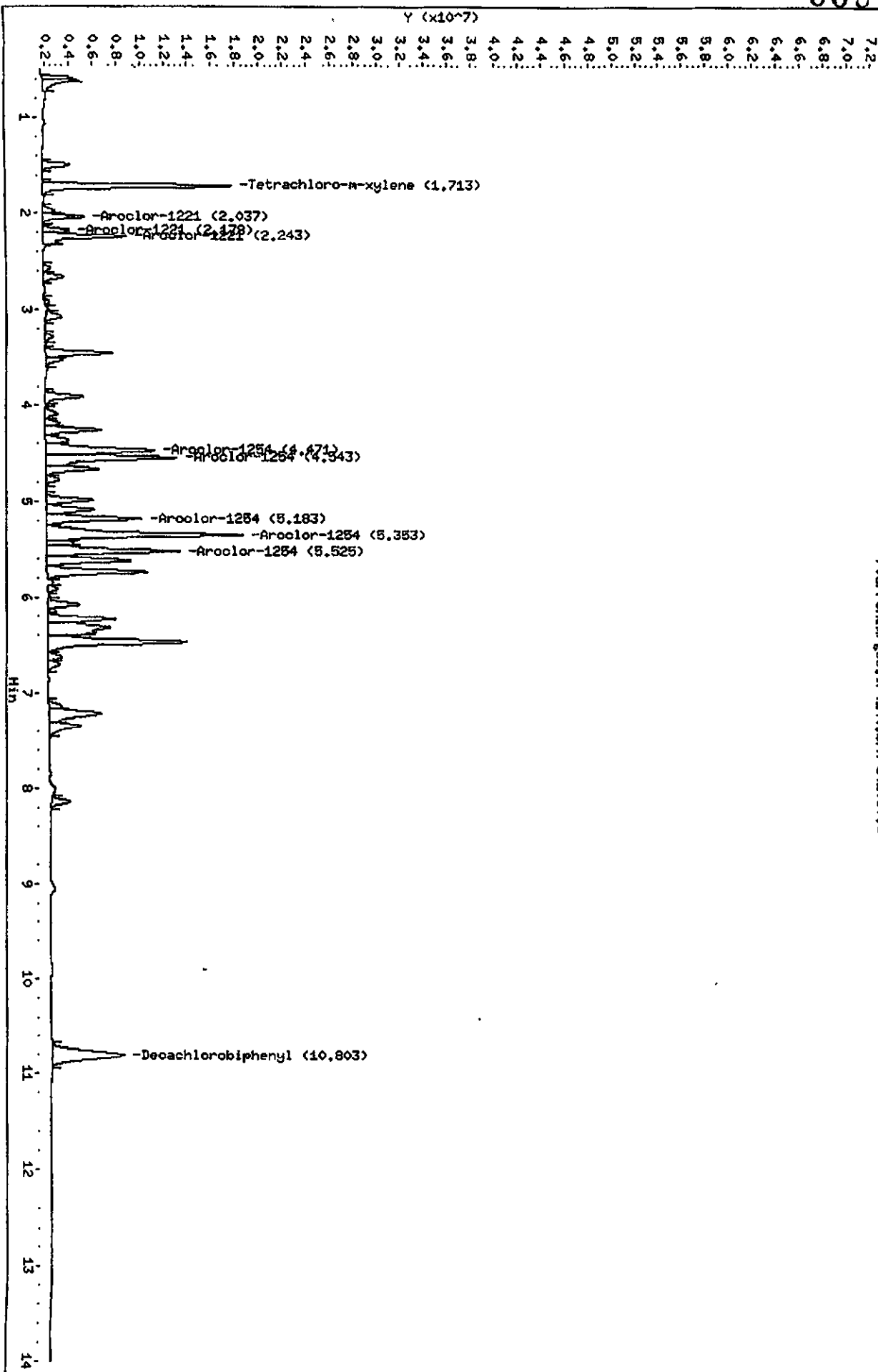
Column phase: DB608

Instrument: ec8.i

Operator: 010139

Column diameter: 0.53

/var/chem/ec8.i/4140.b/h-41030.d



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Data File: /var/chem/gc8.i/4140.b/h-a41031.d
 Report Date: 31-Jul-2000 14:47

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STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41031.d

Lab Smp Id: M1232

Inj Date : 31-JUL-2000 14:14

Operator : 010139

Inst ID: gc8.i

Smp Info : M1232,4140.b

Misc Info : 190-83-2

Comment :

Method : /var/chem/gc8.i/4140.b/PCBA.m

Meth Date : 31-Jul-2000 14:46 g

Quant Type: ESTD

Cal Date : 14-JUL-2000 18:39

Cal File: h-a40431.d

Als bottle: 3

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 1232.sub

Target Version: 3.40

Sample Matrix: None

AMOUNTS							
			CAL-AMT		ON-COL		
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	ng)	TARGET RANGE
14	Aroclor-1232						CAS #: 11141-16-5
2.667	2.674	-0.007	4989123	0.50000	0.49159	0.00-	0.00 0.00
3.079	3.089	-0.010	7518405	0.50000	0.49325	146.26-	186.26 0.00
3.460	3.466	-0.006	4765632	0.50000	0.48126	65.99-	105.99 0.00
3.908	3.914	-0.006	3538278	0.50000	0.48978	74.18-	114.18 0.00
Average of Peak Amounts =				0.48897	2.29-D		

CCAL

Data File: /var/chem/gc8.i/4140.b/h-a41031.d
Date: 31-JUL-2000 14:14

Client ID:

Sample Info: H1232,4140.b

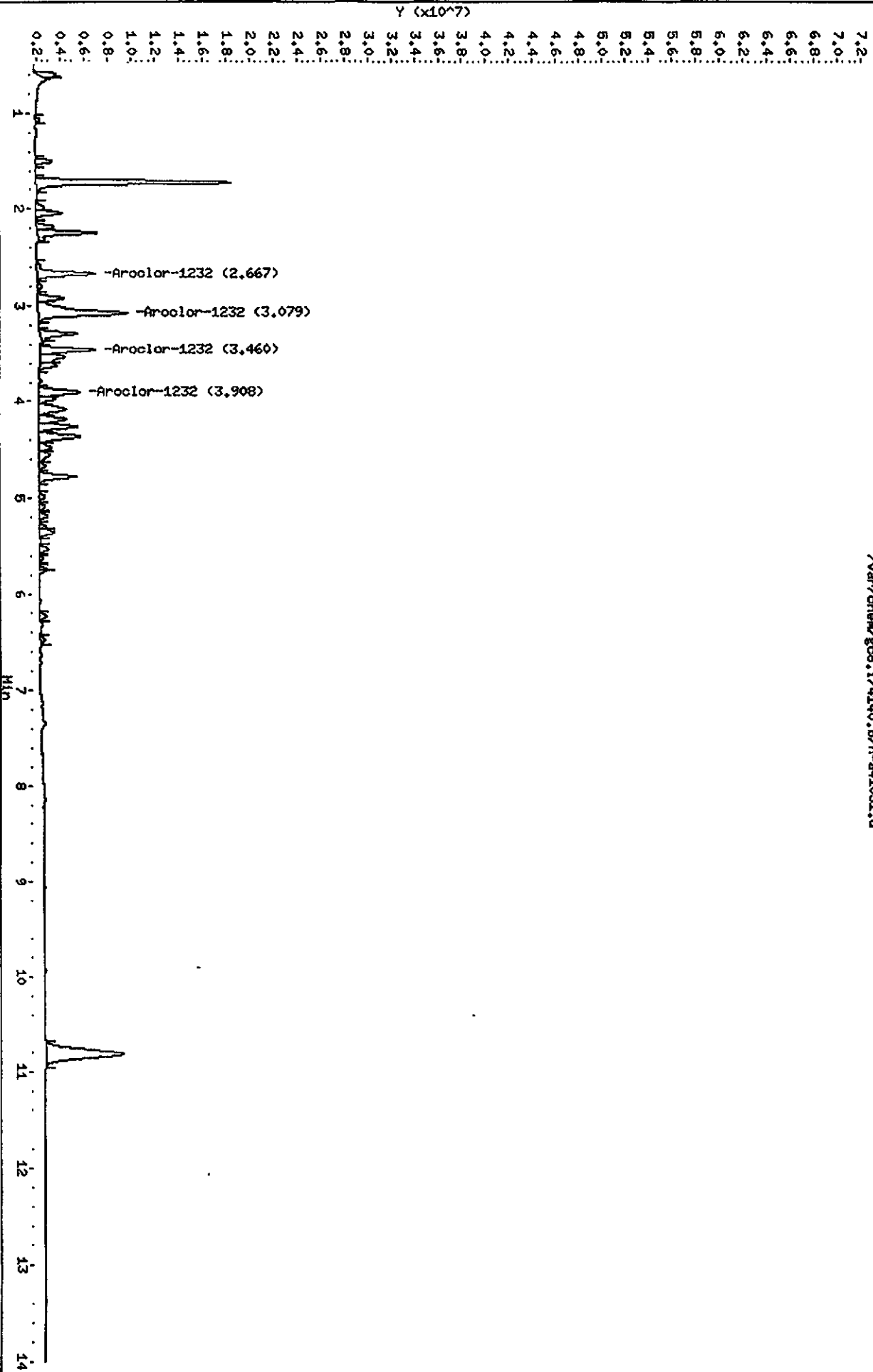
Column phase: DB608

Instrument: gc8.i

Operator: 010139

Column diameter: 0.53

/var/chem/gc8.i/4140.b/h-a41031.d



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41032.d
Lab Smp Id: M1242
Inj Date : 31-JUL-2000 14:34
Operator : 010139
Smp Info : M1242,4140.b
Misc Info : 190-83-3
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 31-Jul-2000 14:48 g
Cal Date : 14-JUL-2000 18:39
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1242.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(	TARGET RANGE		RATIO
*****			*****	*****	*****	*****		*****
15 Aroclor-1242					CAS #: 53469-21-9			
2.672	2.676	-0.004	8872522	0.50000	0.50549	0.00- 0.00		0.00
3.085	3.091	-0.006	14513417	0.50000	0.50897	310 13- 350.13		0.00
3.293	3.295	-0.002	6073017	0.50000	0.48026	749 70- 789.70		0.00
3.463	3.467	-0.004	8673334	0.50000	0.49542	512.48- 552.48		0.00
4.782	4.786	-0.004	6201245	0.50000	0.50633	314.30- 354.30		0.00
Average of Peak Amounts =					0.49929			

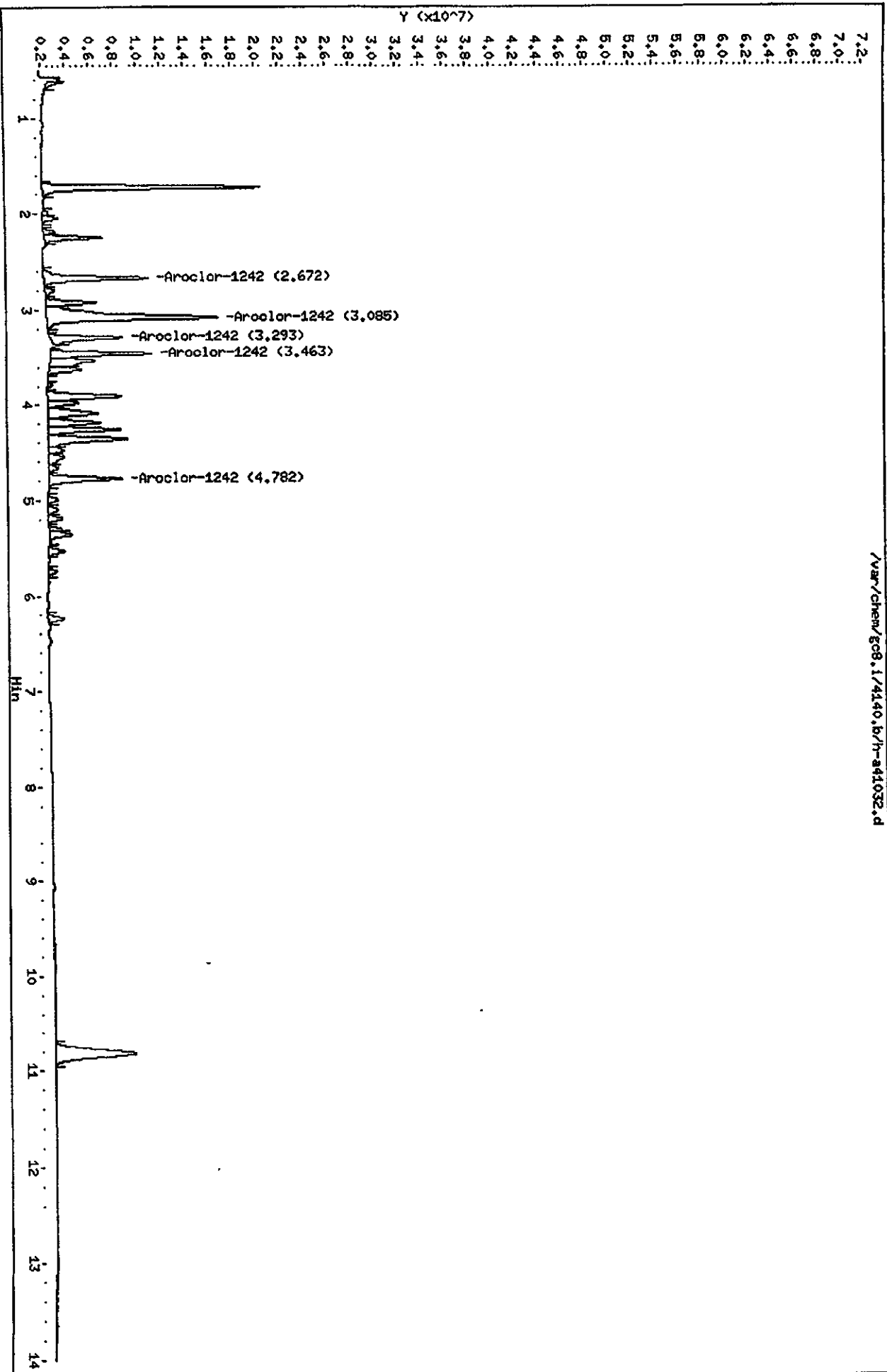
0.197-D

CCAL

Data File: /var/chem/gc8.1/4140.b/h-a41032.d
Date: 31-JUL-2000 14:34
Client ID:
Sample Info: H1242,4140.b

Column phase: DB608

Instrument: gc8.1
Operator: 010139
Column diameter: 0.53



Data File: /var/chem/gc8.i/4140.b/h-a41033.d
Report Date: 31-Jul-2000 15:50

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STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41033.d
Lab Smp Id: M1248
Inj Date : 31-JUL-2000 14:53
Operator : 010139
Smp Info : M1248,4140.b
Misc Info : 190-83-4
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 31-Jul-2000 15:49 g
Cal Date : 14-JUL-2000 18:39
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1248.sub
Sample Matrix: None

AMOUNTS						
			CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE (ng)	(ng)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----
21 Aroclor-1248			CAS #: 12672-29-6			
3.464	3.469	-0.005	9798059 0.50000	0.52653	0.00- 0.00	0.00(M)
3.913	3.917	-0.004	9135253 0.50000	0.52549	114.57- 154.57	0.00
4.261	4.266	-0.005	11072656 0.50000	0.51956	63.67- 103.67	0.00
4.360	4.364	-0.004	11538368 0.50000	0.52566	43.86- 83.86	0.00
4.782	4.786	-0.004	11038591 0.50000	0.52030	128.08- 168.08	0.00
Average of Peak Amounts =			0.52351			

4.77.0

QC Flag Legend

M - Compound response manually integrated.

CA

Data File: /var/chem/gc08.i/4140.b/h-a41033.d

Date: 31-Jul-2000 14:53

Client ID:

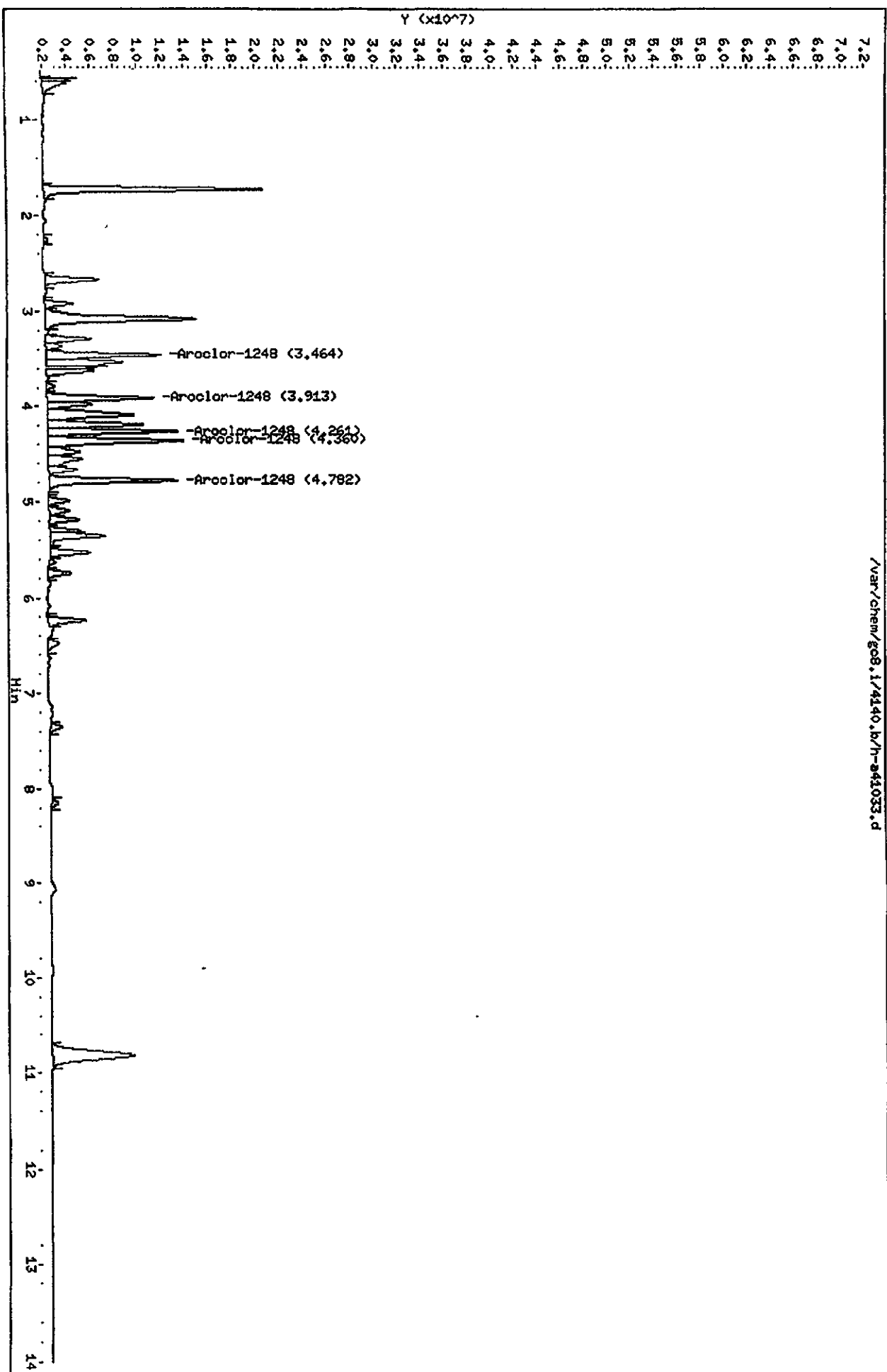
Sample Info: H1248-4140.b

Column phase: DB608

Instrument: gc08.i

Operator: 010139

Column diameter: 0.53



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41034.d
Lab Smp Id: M1660
Inj Date : 31-JUL-2000 15:13
Operator : 010139
Smp Info : M1660,4140.b
Misc Info : 190-83-7
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 31-Jul-2000 15:49 g
Cal Date : 14-JUL-2000 18:39
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1660.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ng)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
20 Aroclor-1016					CAS #: 12674-11-2			
2.249	2.256	-0.007	5996953	0.50000	0.47632	0.00- 0.00	0.00	
2.671	2.679	-0.008	11528046	0.50000	0.50557	80.00- 120.00	0.00	
3.086	3.094	-0.008	19018554	0.50000	0.50782	416.04- 456.04	0.00	
3.291	3.297	-0.006	8105634	0.50000	0.48470	203.51- 243.51	0.00	
3.461	3.469	-0.008	11444727	0.50000	0.49704	297.56- 337.56	0.00	
Average of Peak Amounts =					0.49429			

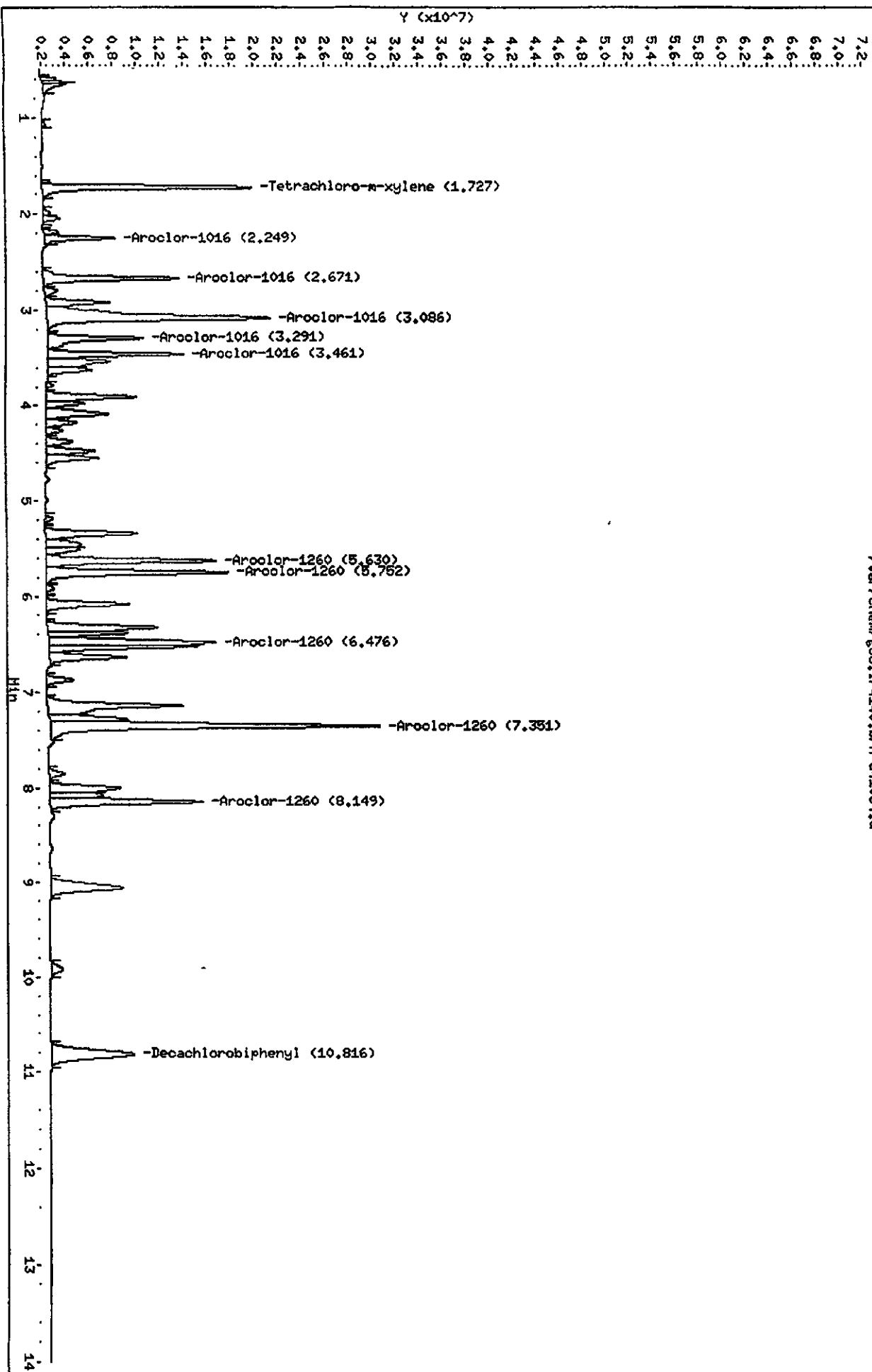
\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
1.727	1.732	-0.005	17810476	0.02500	0.022766	0.00- 0.00	0.00	

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
10.816	10.820	-0.004	7161498	0.02500	0.026485	0.00- 0.00	0.00	

36 Aroclor-1260					CAS #: 11096-82-5			
5.630	5.637	-0.007	14468895	0.50000	0.51125	0.00- 0.00	0.00	
5.752	5.756	-0.004	15610959	0.50000	0.51890	95.86- 135.86	0.00	
6.476	6.480	-0.004	14233805	0.50000	0.52323	116.91- 156.91	0.00	
7.351	7.356	-0.005	28005510	0.50000	0.52907	120.00- 160.00	0.00	
8.149	8.156	-0.007	13032881	0.50000	0.51924	108.33- 148.33	0.00	
Average of Peak Amounts =					0.52034			

Data File: /var/chem/gc8.i/4140.b/r-a41034.d
Date : 31-JUL-2000 15:13
Client ID:
Sample Info: M1660,4140.b
Column phase: DB608

Instrument: gc8.i
Operator: 010139
Column diameter: 0.53



STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41053.d
Lab Smp Id: M1660
Inj Date : 31-JUL-2000 21:23
Operator : 010139
Smp Info : M1660,4140.b
Misc Info : 190-83-7
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 01-Aug-2000 08:34 eppinged
Cal Date : 14-JUL-2000 18:39
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40

Inst ID: gc8.i
Quant Type: ESTD
Cal File: h-a40431.d
Continuing Calibration Sample
Compound Sublist: 1660.sub
Sample Matrix: None

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
20 Aroclor-1016					CAS #: 12674-11-2			
2.248	2.256	-0.008	6096605	0.50000	0.48424	0.00- 0.00	0.00	
2.670	2.679	-0.009	11622484	0.50000	0.50971	80.00- 120.00	0.00	
3.083	3.094	-0.011	19321334	0.50000	0.51591	416 04- 456.04	0.00	
3.289	3 297	-0.008	8266714	0.50000	0.49433	203.51- 243.51	0.00	
3.461	3.469	-0.008	11416407	0.50000	0.49581	297.56- 337.56	0.00	
Average of Peak Amounts =					0.5			

\$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
1.719	1.732	-0 013	17790412	0.02500	0.022740	0.00- 0.00	0.00	

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
10 811	10.820	-0.009	7307039	0.02500	0.027023	0.00- 0.00	0.00	

36 Aroclor-1260					CAS # 11096-82-5			
5.631	5.637	-0.006	14920088	0.50000	0.52719	0.00- 0.00	0.00 (M)	
5.752	5.756	-0.004	15986123	0.50000	0.53136	95.86- 135.86	0.00	
6 478	6.480	-0.002	14529700	0.50000	0.53411	116 91- 156.91	0.00	
7 352	7.356	-0 004	28389504	0.50000	0.53632	120.00- 160.00	0.00	
8.149	8 156	-0.007	13428647	0.50000	0.53500	108.33- 148.33	0.00	
Average of Peak Amounts =					0.5328			

Data File: /var/chem/gc8.i/4140.b/h-a41053.d
Report Date: 01-Aug-2000 08:34

666 593

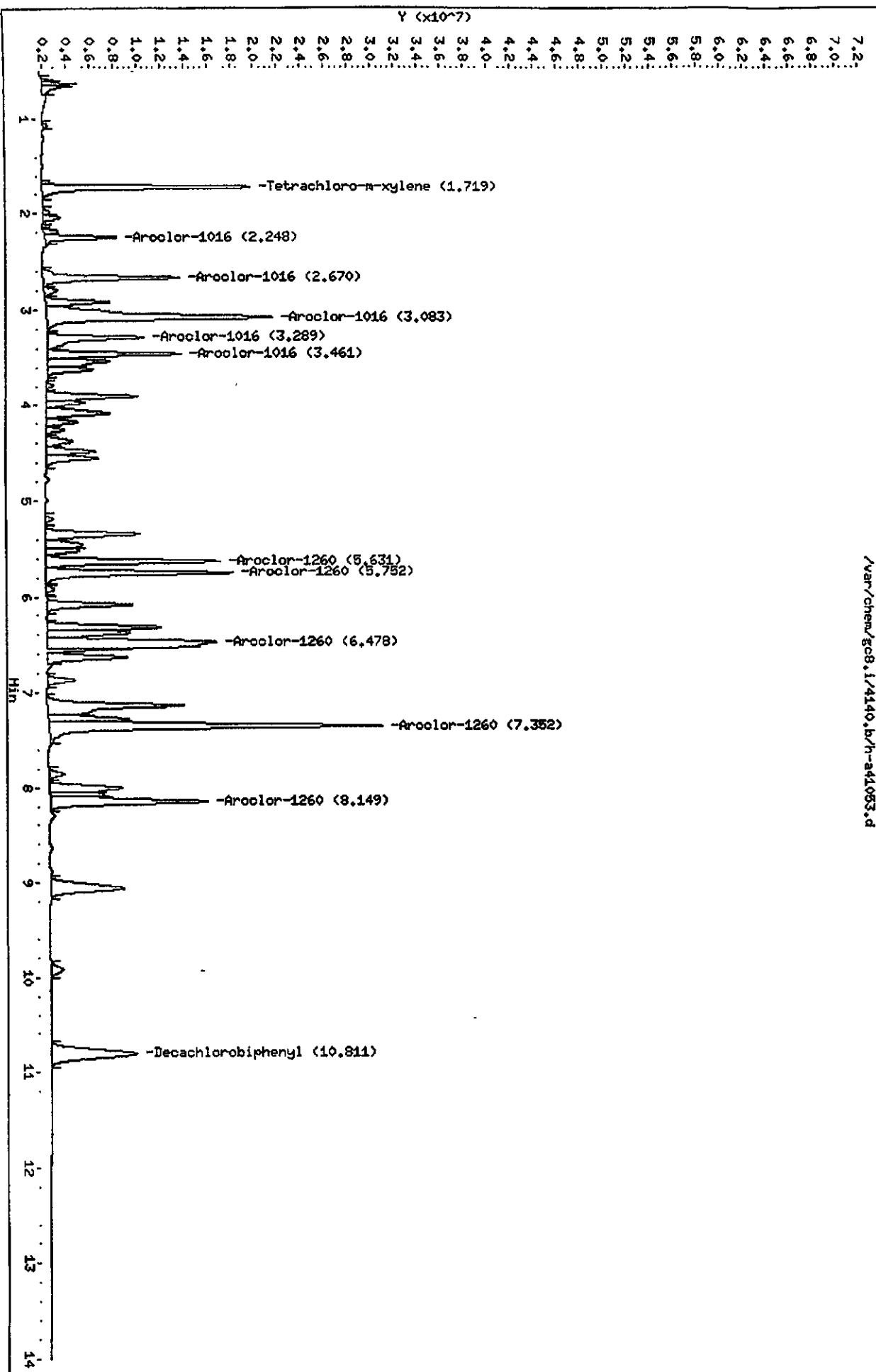
Page 2

QC Flag Legend

M - Compound response manually integrated.

Date File: /var/chem/gc8.i/4140.b/h-a41053.d
Date: 31-JUL-2000 21:23
Client ID:
Sample Info: H1660, 4140.b
Column phase: DB608

Instrument: gc8.i
Operator: 010139
Column diameter: 0.63



666 595

PCB
QC DATA

666 596

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER
Method: SW846 8082
PCBs (8082)

Lab Sample ID: C0G280000 445

Sample WT/Vol: 1000 / mL
Work Order: DH1KX101
Dilution factor: 1
Moisture %: NA

Date Received: 07/27/00
Date Extracted: 07/28/00
Date Analyzed: 07/31/00

QC Batch: 0210445

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41050.d
Lab Smp Id: DH1KX101 Client Smp ID: PBLK
Inj Date : 31-JUL-2000 20:24
Operator : 010139 Inst ID: gc8.i
Smp Info : DH1KX101,4140.b
Misc Info : 270272BLK
Comment :
Method : /var/chem/gc8.i/4140.b/PCBA.m
Meth Date : 01-Aug-2000 08:34 eppinged Quant Type: ESTD
Cal Date : 14-JUL-2000 18:39 Cal File: h-a40431.d
Als bottle: 22 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 3.40 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt/Vo/Vi

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

CONCENTRATIONS							
				ON-COL	FINAL		
RT	EXP RT	DLT RT		RESPONSE (ng)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----		-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8							
1.728	1.732	-0.004		10705912	0.01368	0.13685 0.00- 0.00	0.00

8 Aroclor-1221				CAS #: 11104-28-2			

Peaks not detected for Quant. or Qual. signal(s).

14 Aroclor-1232	CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s)

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE (ng)		(ug/L)		TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

15 Aroclor-1242					CAS #· 53469-21-9				
Peaks not detected for Quant. or Qual. signal(s).									

20 Aroclor-1016					CAS #· 12674-11-2				
Peaks not detected for Quant. or Qual. signal(s).									

21 Aroclor-1248					CAS #: 12672-29-6				
Peaks not detected for Quant. or Qual. signal(s).									

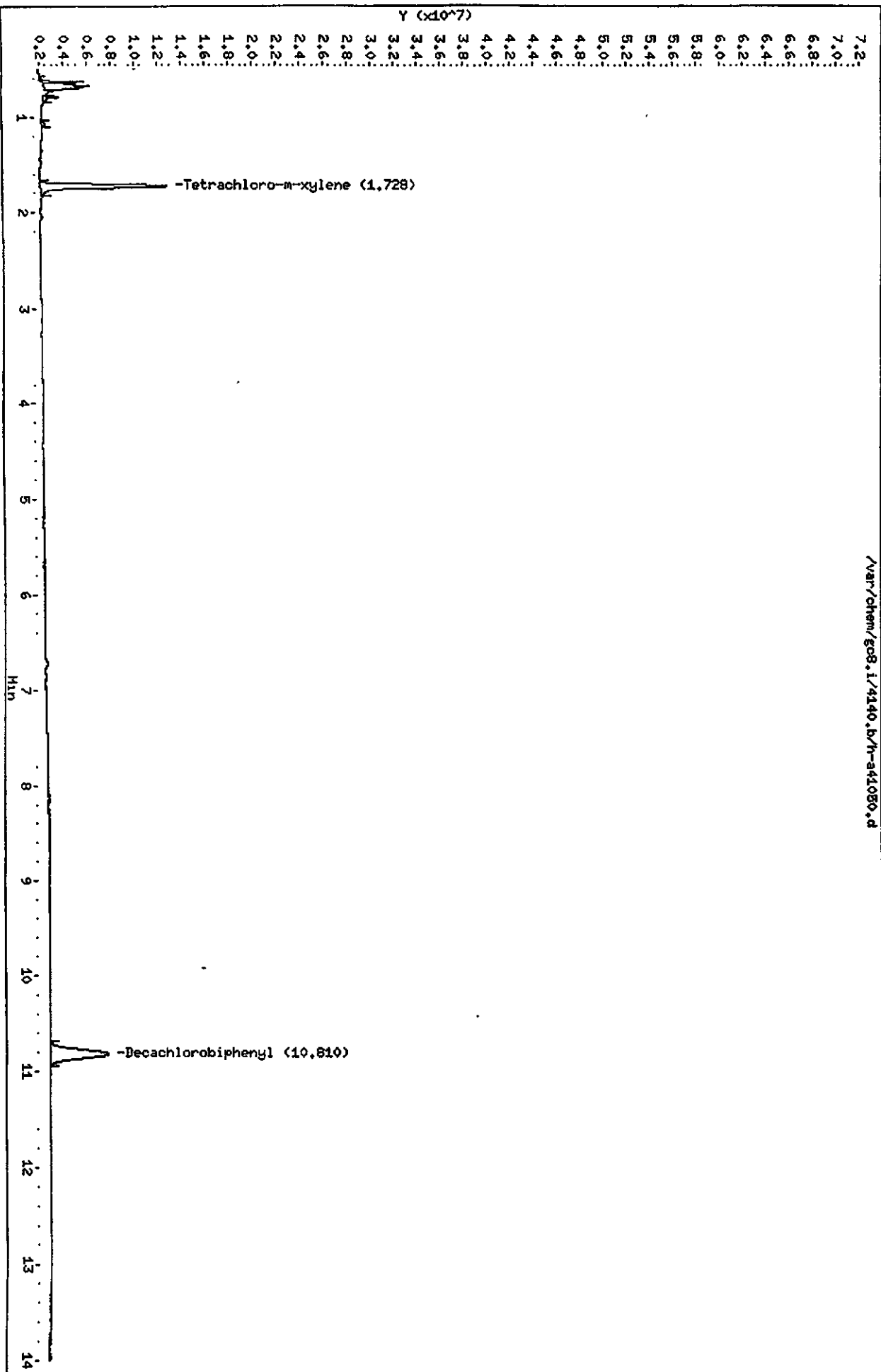
33 Aroclor-1254					CAS #: 11097-69-1				
Peaks not detected for Quant. or Qual. signal(s).									

\$ 34 Decachlorobiphenyl					CAS #: 2051-24-3				
10 810	10.820	-0.010	4906980	0.01815	0.18147	0.00-	0.00	0.00	0.00

36 Aroclor-1260					CAS #: 11096-82-5				
Peaks not detected for Quant. or Qual. signal(s).									

Date File: /var/chem/gc08.i/4140.b/h-a41080.d
 Date: 31-JUL-2000 20:24
 Client ID: PBLK
 Sample Info: JHKK101,4140.b
 Volume Injected (uL): 1.0
 Column phase: DB608

Instrument: gc08.i
 Operator: 010139
 Column diameter: 0.53



UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER
Method: SW846 8082
PCBs (8082)

Lab Sample ID: C0G280000 445

Sample WT/Vol: 1000 / mL
Work Order: DH1KX102
Dilution factor: 1
Moisture %: NADate Received: 07/27/00
Date Extracted: 07/28/00
Date Analyzed: 07/31/00

QC Batch: 0210445

Client Sample Id: CHECK SAMPLE

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	8.29	
11096-82-5	Aroclor 1260	8.88	

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41051.d
 Lab Smp Id: DH1KX102 Client Smp ID: LCS
 Inj Date : 31-JUL-2000 20:44
 Operator : 010139 Inst ID: gc8.i
 Smp Info : DH1KX102,4140.b
 Misc Info : 270272LCS
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 01-Aug-2000 08:34 eppinged Quant Type: ESTD
 Cal Date : 14-JUL-2000 18:39 Cal File: h-a40431.d
 Als bottle: 23 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1660.sub
 Target Version: 3.40 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt/Vo/Vi

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

CONCENTRATIONS								
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(ug/L)	TARGET RANGE	RATIO
--	-----	-----	-----	-----	-----	-----	-----	-----
20 Aroclor-1016				CAS #: 12674-11-2				
2.250	2.256	-0.006		9302207	0.73886	7.3886	0.00- 0.00	0.00
2.673	2.679	-0.006		18767192	0.82304	8.2304	80.00- 120.00	0.00
3.083	3.094	-0.011		33115864	0.88424	8.8424	416.04- 456.04	0.00
3.293	3.297	-0.004		14160764	0.84678	8.4678	203.51- 243.51	0.00
3.463	3.469	-0.006		19581255	0.85041	8.5041	297.56- 337.56	0.00
Average of Peak Concentrations =				8.2867				

\$ 1 Tetrachloro-m-xylene				CAS #: 877-09-8				
1.727	1.732	-0.005		11317979	0.01447	0.14467	0.00- 0.00	0.00

\$ 34 Decachlorobiphenyl				CAS #: 2051-24-3				
10.810	10.820	-0.010		5197591	0.01922	0.19222	0.00- 0.00	0.00

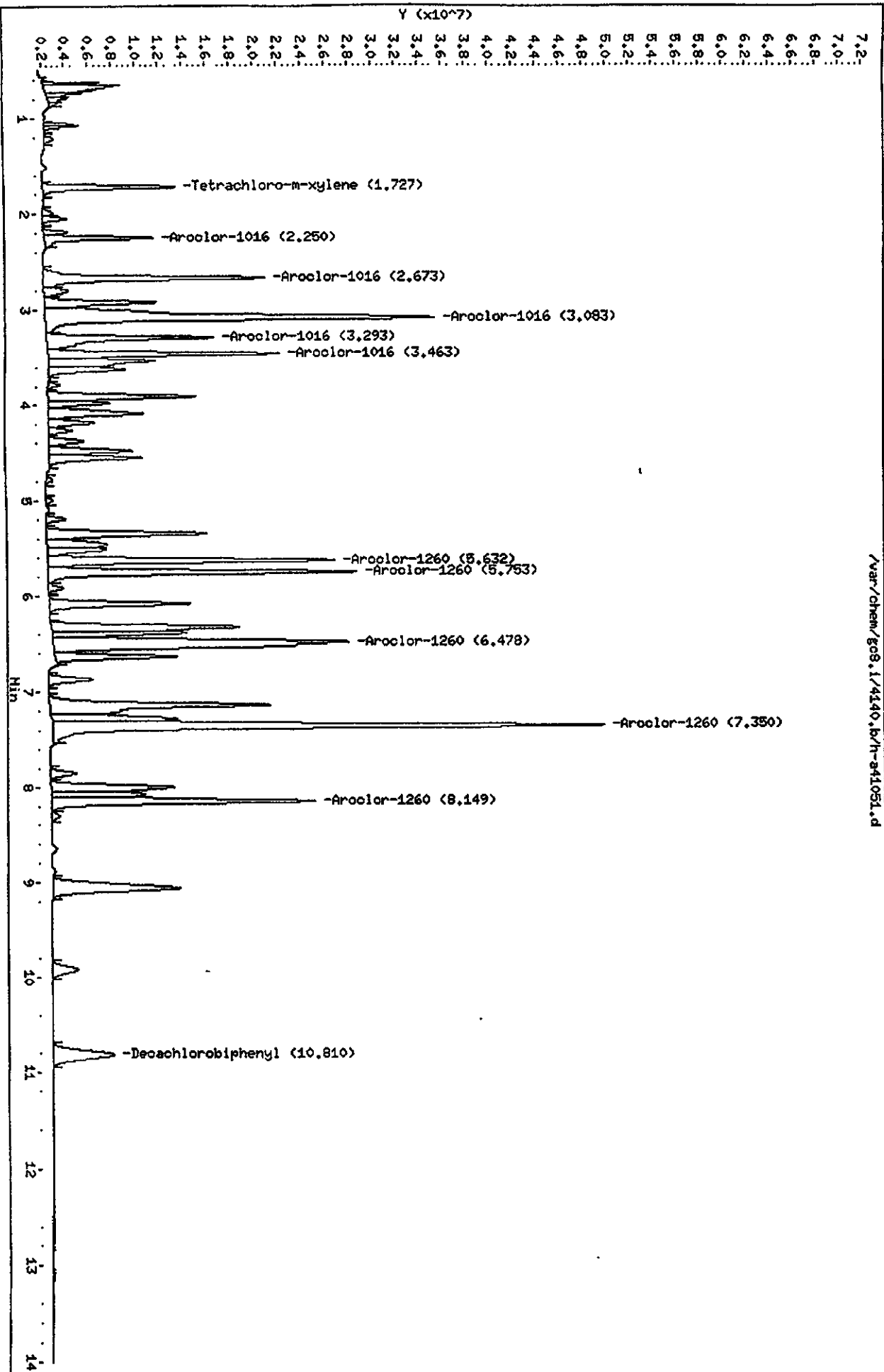
36 Aroclor-1260				CAS #: 11096-82-5				
5.632	5.637	-0.005		24378427	0.86139	8.6139	0.00- 0.00	0.00

666 602

CONCENTRATIONS								
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (	ng)	(ug/L)	TARGET RANGE	RATIO	
..								
36 Aroclor-1260 (continued)								
5.753	5.756	-0.003	26305699	0.87438	8.7438	95.86- 135.86	0.00	
6.478	6.480	-0.002	25197002	0.92624	9.2624	116.91- 156.91	0.00	
7.350	7.356	-0.006	46966217	0.88727	8.8727	120.00- 160.00	0.00	
8.149	8.156	-0.007	22339604	0.89002	8.9002	108.33- 148.33	0.00	
Average of Peak Concentrations =					8.8786			

Data File: /var/chem/gc08.i/4140.b/h-a41051.d
Date: 31-JUL-2000 20:44
Client ID: LCS
Sample Info: DMLKX102,4140.b
Volume injected (ul): 1.0
Column phase: DB608

Instrument: gc08.1
Operator: 010139
Column diameter: 0.53



UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G280000 445

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DH1KX103

Date Extracted: 07/28/00

Dilution factor: 1

Date Analyzed: 07/31/00

Moisture %: NA

QC Batch: 0210445

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	8.33	
11096-82-5	Aroclor 1260	8.95	

STL-PITTSBURGH

Data file : /var/chem/gc8.i/4140.b/h-a41052.d
 Lab Smp Id: DH1KX103 Client Smp ID: LCSD
 Inj Date : 31-JUL-2000 21:03
 Operator : 010139 Inst ID: gc8.i
 Smp Info : DH1KX103,4140.b
 Misc Info : 272072LCD
 Comment :
 Method : /var/chem/gc8.i/4140.b/PCBA.m
 Meth Date : 01-Aug-2000 08:34 eppinged Quant Type: ESTD
 Cal Date : 14-JUL-2000 18:39 Cal File: h-a40431.d
 Als bottle: 24 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1660.sub
 Target Version: 3.40 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt/Vo/Vi

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

CONCENTRATIONS								
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(ug/L)	TARGET RANGE	RATIO
**	*****	*****		*****	*****	*****	*****	*****
20 Aroclor-1016				CAS #: 12674-11-2				
2.252	2.256	-0.004		9433870	0.74931	7.4931	0.00- 0.00	0.00
2.674	2.679	-0.005		18769882	0.82316	8.2316	80.00- 120.00	0.00
3.085	3.094	-0.009		33292393	0.88896	8.8896	416.04- 456.04	0.00
3.292	3.297	-0.005		14266337	0.85310	8.5310	203.51- 243.51	0.00
3.465	3.469	-0.004		19536152	0.84845	8.4845	297.56- 337.56	0.00
Average of Peak Concentrations =				8.3260				

\$ 1 Tetrachloro-m-xylene				CAS #: 877-09-8				
1.729	1.732	-0.003		12000788	0.01534	0.15340	0.00- 0.00	0.00

\$ 34 Decachlorobiphenyl				CAS #: 2051-24-3				
10.808	10.820	-0.012		5261327	0.01946	0.19458	0.00- 0.00	0.00

36 Aroclor-1260				CAS #: 11096-82-5				
5.633	5.637	-0.004		24548688	0.86741	8.6741	0.00- 0.00	0.00(M)

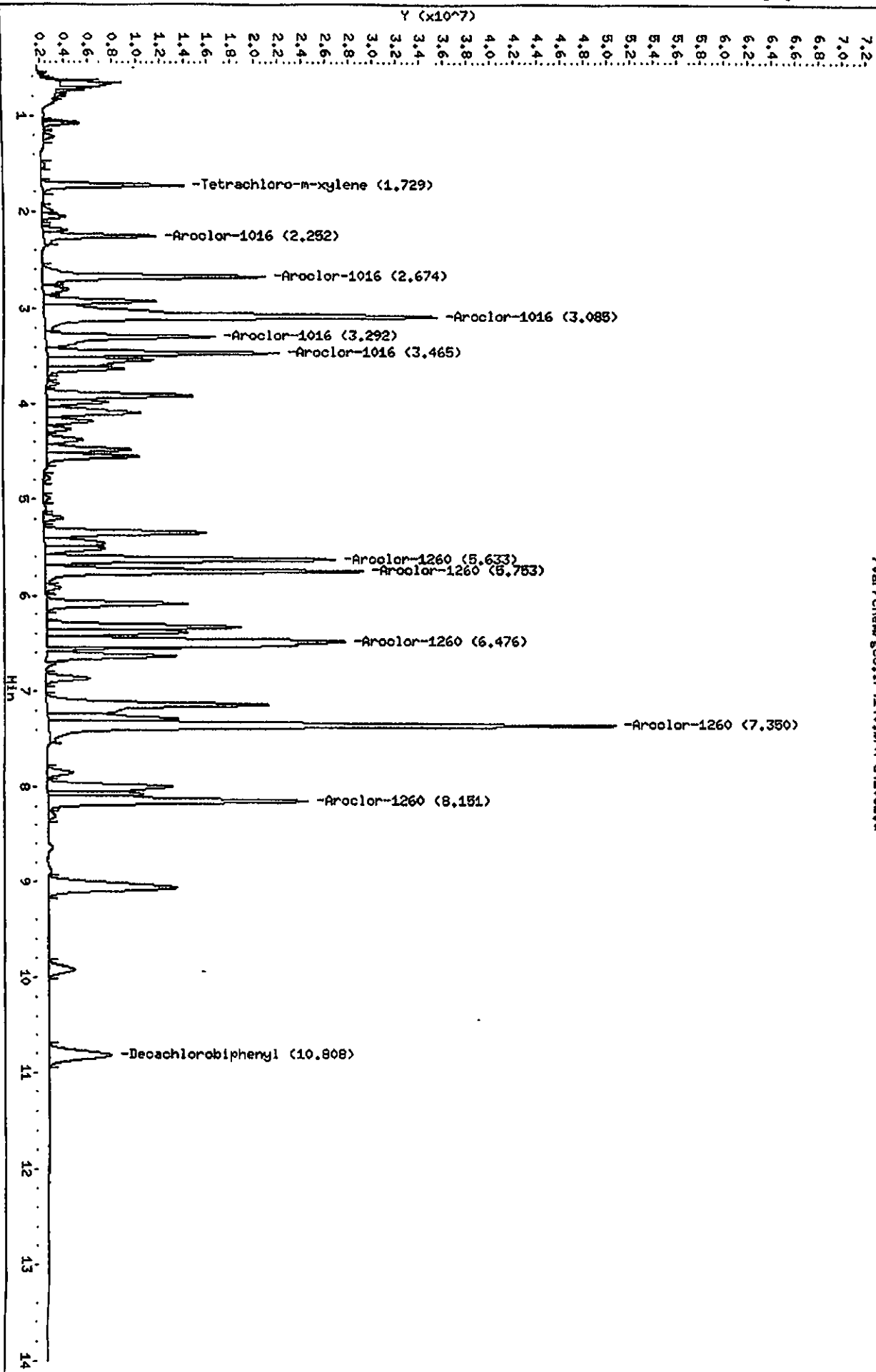
		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RT	RESPONSE (	ng)	(ug/L)	TARGET RANGE	RATIO	
--	-----	-----		-----	-----	-----	-----	-----	
36 Aroclor-1260 (continued)									
5.753	5.756	-0.003		26928975	0.89510	8.9510	95.86- 135.86	0.00	
6 476	6 480	-0 004		25253347	0.92831	9.2831	116.91- 156.91	0.00	
7 350	7 356	-0.006		48171443	0.91004	9.1004	120.00- 160.00	0.00	
8 151	8 156	-0.005		21968501	0.87523	8.7523	108 33- 148.33	0.00	
Average of Peak Concentrations =				8.9522					

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/ec8.i/4140.b/h-a41052.d
Date: 31-JUL-2000 21:03
Client ID: LCSD
Sample Info: DHKX103,4140.b
Volume Injected (uL): 1.0
Column phase: DB608

Instrument: ec8.i
Operator: 010139
Column diameter: 0.53



666 608

PCB
MISCELLANEOUS

609

03
past B# 0210439



STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238
412-820-8380

1077

Date Expiration Begun	Date Completed	Pyrometer	Method	Solvent	Solvent Lot	Solvent Mfg.	Clean up Method				
7-8-00	7-29-00	80814/8033	3510C	MEC-1	7082-86	Baker	NA				
Lot Number	Sample ID	Client ID	pH	Sample Volume (mL)	Final Volume (mL)	Surrogate Number	Surrogate Volume (mL)	Matrix Spike No.	Matrix Spike Volume (mL)	Cleaning Date	
1. C06270273	BLK	NA	5	1600	1000	190-98-7	1.001	NA	NA	NA	
2.	CCS	{pesticide}						190-98-4	0.501		
3.	CCSAP										
4.	CCS								190-91-5	1.001	
5.	CCSAP	{peb}			1000			NA	NA		
6.	CCS										
7.	C06270275					1500					
8.	C06270302	{P/P}			3500						
9.	C06270310				1000						
10.	C06270310										
11.	C06270356										
12.		{Bentley}			1000						
13.											
14.											
15.											
16.											
17.											
18.											
19.											
20.											
21.											
22.											
23.											
24.											
Analyst	B.P.	B.P.	B.P.	B.P.	KG	B.P.	B.P.	B.P.	B.P.	B.P.	
Extract(s)	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	B.P.	
Record line number from above)											
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411	Abu										
411	Abu										
411	Abu										
411	Abu										
411	Abu										
411	Abu										
411	Abu										
411	Abu										
411	Abu										

666 610

Created: DE 7-14-00

Sequence Table (Front Injector):

Vial Information Part:

Line	Vial	Vial Information

====	====	=====
1	1	8082 ANALYSIS
2	2	190-83-1 423
3	3	190-83-2
4	4	190-83-3 425
5	5	190-83-4
6	6	190-83-5
7	7	190-83-6
8	8	190-83-7
9	9	190-83-8 430
10	10	190-83-9
11	11	190-92-1
12	12	190-92-2
13	13	190-92-3
14	14	190-92-4 435
15	15	190-92-5
16	16	100118001
17	17	100118001S
18	18	100118001D
19	19	100118002 440
20	20	~~100118007~~ 52
21	21	100118008
22	22	100118009
23	23	100118010
24	24	100118011 445
25	25	100118012

666 611

Line	Vial	Vial Information
====	====	=====
26	26	100118013
27	27	100118014
28	28	100118015
29	29	100118016 450
30	30	100118017
31	31	100118018
32	32	100118019
33	33	100118020
34	34	100118BLK1 455
35	35	100118LCS1
36	36	190-83-7
37	37	100118021
38	38	100118022
39	39	100118023 460
40	40	100118024
41	41	100118025
42	42	100118025S
43	43	100118025D
44	44	100118026 465
45	45	100118027
46	46	100118028
47	47	100118029
48	48	100118030
49	49	100118031 470
50	50	100118032
51	51	~~100118033~~ 475
52	52	100118034
53	53	100118035

Line Vial Vial Information

Line	Vial	Vial Information
54	54	100118036 <i>475</i>
55	55	100118BLK2
56	56	100118LCS2
57	57	190-83-7
58	58	100118037
59	59	100118038 <i>480</i>
60	60	100118039
61	61	100118040
62	62	~~5X 100118049~~
63	63	~~4X 100118050~~
64	64	~~50X 060151001~~ <i>485</i>
65	65	100127BLK
66	66	100127LCS
67	67	100127LCD
68	68	100127012
69	69	100127013 <i>490</i>
70	70	190-83-7

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB	1	Sample		
2	2	M2154,4140.b	PCB	1	Sample		
3	3	M1232,4140.b	PCB	1	Sample		
4	4	M1242,4140.b	PCB	1	Sample		
5	5	M1248,4140.b	PCB	1	Sample		
6	6	L1660,4140.b	PCB	1	Sample		
7	7	ML1660,4140.b	PCB	1	Sample		
8	8	M1660,4140.b	PCB	1	Sample		
9	9	MH1660,4140.b	PCB	1	Sample		
10	10	H1660,4140.b	PCB	1	Sample		
11	11	2ND2154,4140.b	PCB	1	Sample		
12	12	2ND1232,4140.b	PCB	1	Sample		
13	13	2ND1242,4140.b	PCB	1	Sample		
14	14	2ND1248,4140.b	PCB	1	Sample		
15	15	2ND1660,4140.b	PCB	1	Sample		
16	16	DFXLQ101,4140.b	PCB	1	Sample		
17	17	DFXLQ105,4140.b	PCB	1	Sample		

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	====	=====	=====	==	=====	=====	=====
18	18	DFXLQ106,4140.b	PCB	1	Sample		
19	19	DFXM0101,4140.b	PCB	1	Sample		
20	20	DFXMF101,4140.b	PCB	1	Sample		
21	21	DFXMH101,4140.b	PCB	1	Sample		
22	22	DFXML101,4140.b	PCB	1	Sample		
23	23	DFXMM101,4140.b	PCB	1	Sample		
24	24	DFXMN101,4140.b	PCB	1	Sample		
25	25	DFXMR101,4140.b	PCB	1	Sample		
26	26	DFXMT101,4140.b	PCB	1	Sample		
27	27	DFXMV101,4140.b	PCB	1	Sample		
28	28	DFXMW101,4140.b	PCB	1	Sample		
29	29	DFXN0101,4140.b	PCB	1	Sample		
30	30	DFXN1101,4140.b	PCB	1	Sample		
31	31	DFXN2101,4140.b	PCB	1	Sample		
32	32	DFXN6101,4140.b	PCB	1	Sample		
33	33	DFXN8101,4140.b	PCB	1	Sample		
34	34	DG21C101,4140.b	PCB	1	Sample		
35	35	DG21C102,4140.b	PCB	1	Sample		
36	36	M1660,4140.b	PCB	1	Sample		
37	37	DFXNH101,4140.b	PCB	1	Sample		
38	38	DFXNL101,4140.b	PCB	1	Sample		
39	39	DFXNM101,4140.b	PCB	1	Sample		
40	40	DFXNQ101,4140.b	PCB	1	Sample		
41	41	DFXNT101,4140.b	PCB	1	Sample		
42	42	DFXNT104,4140.b	PCB	1	Sample		
43	43	DFXNT105,4140.b	PCB	1	Sample		
44	44	DFXNW101,4140.b	PCB	1	Sample		
45	45	DFXNX101,4140.b	PCB	1	Sample		
46	46	DFXP0101,4140.b	PCB	1	Sample		
47	47	DFXP2101,4140.b	PCB	1	Sample		
48	48	DFXP3101,4140.b	PCB	1	Sample		
49	49	DFXP5101,4140.b	PCB	1	Sample		
50	50	DFXP7101,4140.b	PCB	1	Sample		
51	51	DFXP9101,4140.b	PCB	1	Sample		
52	52	DFXPC101,4140.b	PCB	1	Sample		
53	53	DFXPF101,4140.b	PCB	1	Sample		
54	54	DFXPG101,4140.b	PCB	1	Sample		
55	55	DG24G101,4140.b	PCB	1	Sample		
56	56	DG24G102,4140.b	PCB	1	Sample		
57	57	M1660,4140.b	PCB	1	Sample		
58	58	DFXPJ101,4140.b	PCB	1	Sample		
59	59	DFXPK101,4140.b	PCB	1	Sample		
60	60	DFXPL101,4140.b	PCB	1	Sample		
61	61	DFXPN101,4140.b	PCB	1	Sample		
62	62	DFXQQ101,4140.b	PCB	1	Sample		
63	63	DFXQR101,4140.b	PCB	1	Sample		
64	64	DFQMA101,4140.b	PCB	1	Sample		
65	65	DG50W101,4140.b	PCB	1	Sample		
66	66	DG50W102,4140.b	PCB	1	Sample		
67	67	DG50W103,4140.b	PCB	1	Sample		
68	68	DFXRR101,4140.b	PCB	1	Sample		
69	69	DFXRT101,4140.b	PCB	1	Sample		
70	70	M1660,4140.b	PCB	1	Sample		

Sequence Table (Back Injector):

666 614

Created: DE7-31-00

Sequence Table (Front Injector):

Vial Information Part:

M

Line	Vial	Vial Information
====	====	=====
1	1	8082 ANALYSIS
2	2	190-83-1 1030
3	3	190-83-2
4	4	190-83-3
5	5	190-83-4
6	6	190-83-7
7	<u>7</u>	270310001 1035
8	8	270310009
9	9	270310010
10	10	270310011
11	11	270310011S
12	12	270310011D 1040
13	13	270310BLK
14	14	270310LCS
15	15	270272001
16	16	270275001
17	17	270302001 1045
18	18	270310002
19	19	270310005
20	20	210256001 R/E
21	21	210256002 R/E
22	22	270272BLK 1050
23	23	270272LCS
24	24	270272LCD
25	25	190-83-7 1053

1/20
un
8/1/00

Method and Injection Info Part:

666 615

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	====	=====	=====	===	=====	=====	=====
1	1	HEXANE	PCB	1	Sample		
2	2	M2154,4140.b	PCB	1	Sample		
3	3	M1232,4140.b	PCB	1	Sample		
4	4	M1242,4140.b	PCB	1	Sample		
5	5	M1248,4140.b	PCB	1	Sample		
6	6	M1660,4140.b	PCB	1	Sample		
7	7	DGXMV105,4140.b	PCB	1	Sample		
8	8	DGXP7105,4140.b	PCB	1	Sample		
9	9	DGXP9105,4140.b	PCB	1	Sample		
10	10	DGXPC105,4140.b	PCB	1	Sample		
11	11	DGXPC108,4140.b	PCB	1	Sample		
12	12	DGXPC109,4140.b	PCB	1	Sample		
13	13	DH0LW101,4140.b	PCB	1	Sample		
14	14	DH0LW102,4140.b	PCB	1	Sample		
15	15	DGXEK10Q,4140.b	PCB	1	Sample		
16	16	DGXF110Q,4140.b	PCB	1	Sample		
17	17	DGXL3104,4140.b	PCB	1	Sample		
18	18	DGXN4104,4140.b	PCB	1	Sample		
19	19	DGXNN104,4140.b	PCB	1	Sample		
20	20	DGLQQ204,4140.b	PCB	1	Sample		
21	21	DGLR0204,4140.b	PCB	1	Sample		
22	22	DH1KX101,4140.b	PCB	1	Sample		
23	23	DH1KX102,4140.b	PCB	1	Sample		
24	24	DH1KX103,4140.b	PCB	1	Sample		
25	25	M1660,4140.b	PCB	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

REQUESTED BY: PINOB

METHOD: QH PCBs (8082)

<u>STORAGE LOCATION</u>	<u>WORK ORDER #</u>	<u>PICKED</u> <u>CNTR#</u>	<u>CONTROL #</u>	<u>CLIENT #</u>	<u>ANALYSIS</u>	<u>LOTID</u>	<u>SMP#</u>	<u>SFX</u>	<u>MATRIX</u> <u>DESCRIPTION</u>	<u>QTY</u> <u>RCVD</u>	<u>QTY</u> <u>REQD</u>
10A,B CLP1	DGLQQ-1-04	___	254093	051465	I-09-QH	COG210256	001		WATER	0	8 1
10A,B CLP1	DGLR0-1-04	___	254094	051465	I-09-QH	COG210256	002		WATER	0	8 1
13A CLP1	DGXK-1-04	___	254098	416241	I-09-QH	COG270272	001		WATER	0	20 1
13A, CLP1	DGXF1-1-04	___	254099	416241	I-09-QH	COG270275	001		WATER	0	21 1
12D CLP1	DGXL3-1-04	___	254097	399411	I-09-QH	COG270302	001		WATER	0	13 1
13B CLP1	DGXN4-1-04	___	254095	378644	I-09-QH	COG270310	002		WATER	0	5 1
13B CLP1	DGXNN-1-04	___	254096	378644	I-09-QH	COG270310	005		WATER	0	5 1

RELINQUISHED BY

RECEIVED BY

DATE/TIME

Brian A. Pino
Brian A. Pino

Brian A. Pino
Brian A. Pino

7-28-00 1330
7-28-00 1640

***** END OF REPORT *****

Page 1

HERBICIDE DATA

666 618

**HERBICIDE
QC SUMMARY**

2E
WATER PESTICIDE SURROGATE RECOVERY

666 619

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column(1): DB608

ID: 0.53 (mm)

GC Column(2): DB1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLK	93	95					0
02	LCS	108						0
03	LCSD	98						0
04	DF/S1/0208/I		400D					0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS
(53-119)

S1 = DCAA

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

666 620

. SW846 8151A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: COG310000

WO #: DH4LM102

BATCH: 0213610

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
2,4-D	16.0	16.7	104	46 - 124	
2,4,5-TP (Silvex)	4.00	4.12	103	53 - 127	
2,4,5-T	4.00	4.37	109	40 - 126	
Pentachlorophenol	2.00	2.24	112	30 - 125	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III

STL Pittsburgh

5004

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0G310000

WO #: DH4LM103

BATCH: 0213610

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
2,4-D	16.0	14.4	90	46 - 124	
2,4,5-TP (Silvex)	4.00	3.76	94	53 - 127	
2,4,5-T	4.00	3.88	97	40 - 126	
Pentachlorophenol	2.00	1.98	99	30 - 125	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III

4C **666 622**
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

Lab Sample ID: DH4LM101

Lab File ID: A-A50025

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SW846 8151A

Sulfur Cleanup (Y/N) N

Date Extracted: 07/31/00

Date Analyzed (1): 08/02/00

Date Analyzed (2): 08/04/00

Time Analyzed (1): 2240

Time Analyzed (2): 1703

Instrument ID (1): GC1

Instrument ID (2): GC1

GC Column (1): DB608

ID: 0.53 (mm)

GC Column (2): DB1701

ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	=====	=====	=====	=====
01	LCS	DH4LM102	08/02/00	
02	LCSD	DH4LM103	08/02/00	
03	DF/S1/0208/I	DGXL3112		08/04/00
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

**HERBICIDE
SAMPLE DATA**

666 624

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0G270302 001

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 07/27/00

Work Order: DGXL3112

Date Extracted: 07/31/00

Dilution factor: 100

Date Analyzed: 08/07/00

Moisture %: NA

QC Batch: 0213610

Client Sample Id: DF/S1/0208/IDW/002

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
94-75-7	2,4-D	400		U
93-72-1	2,4,5-TP (Silvex)	100		U

FORM I

Data File: \\QPITPA02\D\chem\gc1.i\5030.b\A-B50043.D
Report Date: 07-Aug-2000 08:34

666 625

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc1.i\5030.b\A-B50043.D
Lab Smp Id: DGXL3112 Client Smp ID: DF/S1/0208/IDW/002
Inj Date : 04-AUG-2000 16:35
Operator : 01797 Inst ID: gc1.i
Smp Info : DGXL3112,5030.b
Misc Info : 270302001
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5030.b\LONGHB.m
Meth Date : 07-Aug-2000 08:31 eppingerd Quant Type: ESTD
Cal Date : 03-AUG-2000 18:07 Cal File: A-B50024.D
Als bottle: 16
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04
Processing Host: PITPC086

Concentration Formula: Amt * DF * 20*Vt/Vo/Vi

Name	Value	Description
DF	100.000	Dilution Factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
1 DALAPON	4.658	4.660	-0.002	38324365	0.25772	5154
2 DCAA	12.292	12.261	0.031	818937	0.00200	40.02(R)
3 DICAMBA	Compound Not Detected.					
4 MCPP	13.383	13.441	-0.058	287342	1.00354	20070
5 MCPA	Compound Not Detected.					
6 DICHLOROPROP	Compound Not Detected.					
7 2,4-D	Compound Not Detected.					
8 PENTACHLOROPHENOL	Compound Not Detected.					
9 2,4,5-TP(SILVEX)	Compound Not Detected.					
10 2,4,5-T	Compound Not Detected.					
11 2,4-DB	19.727	19.685	0.042	79905	0.00131	26.16
12 DINOSEB	Compound Not Detected.					

666 626

Data File: \\QPITPA02\D\chem\gc1.i\5030.b\A-B50043.D
Report Date: 07-Aug-2000 08:34

QC Flag Legend

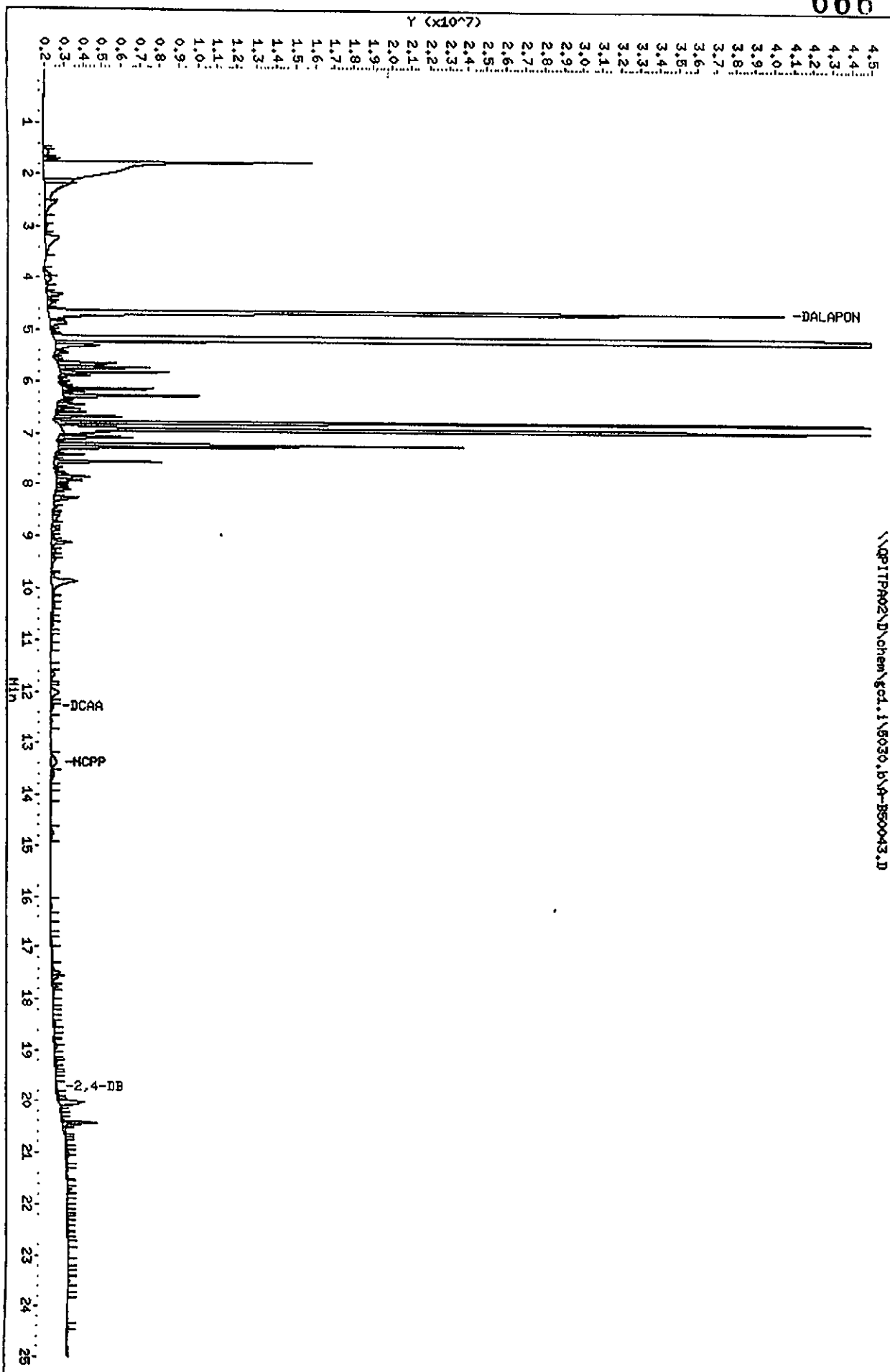
R - Spike/Surrogate failed recovery limits.

666

627

Data File: \APITPA02\chem\gcd.i\5030.b\A-B50043.D
Date : 04-AUG-2000 16:35
Client ID: DF/S1/0208/1DM/002
Sample Info: DCA 3112.5030.b
Volume Injected (uL): 1.0
Column phase: DB1701

Instrument: gcd.i
Operator: 01797
Column diameter: 0.53



666 628

**HERBICIDE
CALIBRATION DATA**

Report Date : 03-Aug-2000 14:04

6D
HP68901A
DB608

666 629

STL Pittsburgh

COMPOUND LISTING

Method file : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Quant Method : ESTD Target Version : 4.04
Last Update : 03-Aug-2000 14:03 Number of Cpnds : 12
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events Values

Initial:Start Threshold 3608.000000
Initial:End Threshold 1804.000000
Initial:Area Threshold 36080.000000
Initial:P-P Resolution 1.000000
Initial:Bunch Factor 10.000000
Initial:Negative Peaks ON
Initial:Tension 0.200000
0.000:Integrator OFF n/a
2.000:Integrator ON n/a

Compound	RT	RT Window	RF
1 DALAPON	3.731	3.661-3.801	8.44e+007
\$ 2 DCAA	10.572	10.502-10.642	2.64e+008
3 MCPP	11.011	10.941-11.081	4.20e+005
4 DICAMBA	11.185	11.115-11.255	1.76e+008
5 MCPA	11.968	11.898-12.038	4.73e+005
6 DICHLOROPROP	12.805	12.735-12.875	3.60e+007
7 2,4-D	14.314	14.244-14.384	3.12e+007
8 PENTACHLOROPHENOL	15.537	15.467-15.607	4.39e+008
9 2,4,5-TP (SILVEX)	16.762	16.692-16.832	1.39e+009
10 2,4,5-T	17.891	17.821-17.961	8.93e+008
11 DINOSEB	18.060	17.990-18.130	1.21e+009
12 2,4-DB	18.563	18.493-18.633	1.30e+008

Report Date : 03-Aug-2000 14:04

6E
HP68901A
DB608

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2000 17:20
End Cal Date : 02-AUG-2000 19:16
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Cal Date : 03-Aug-2000 14:03 eppingerd
Curve Type : Average

Calibration File Names:

Level 1: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50014.D
Level 2: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50015.D
Level 3: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50016.D
Level 4: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50017.D
Level 5: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50018.D

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD
Level 1	Level 2	Level 3	Level 4	Level 5			
1 DALAPON	92263545	87467909	84755216	80035057	77354063	84375158	7.013
3 MCPP	521647	516179	453578	346393	260105	419580	27.094
4 DICAMBA	160352642	169930329	179722988	182306533	186058800	175674258	5.943
5 MCPA	584127	574562	505146	394935	307660	473286	25.251
6 DICHLOROPROP	31670566	35388821	38014870	37518765	37336035	35985811	7.255
7 2,4-D	25318009	29653435	32851751	33659282	34667388	31229973	12.170
8 PENTACHLOROPHENOL	360061278	400210338	449273590	476392763	506876216	438562837	13.415
9 2,4,5-TP(SILVEX)	1.314e+09	1.343e+09	1.425e+09	1.416e+09	1.439e+09	1.387e+09	3.985
10 2,4,5-T	794855408	856799143	915907014	918635237	979625569	893164474	7.843
11 DINOSEB	1.093e+09	1.085e+09	1.328e+09	1.279e+09	1.267e+09	1.211e+09	9.360
12 2,4-DB	160325877	119839360	131310024	118629680	122327503	130486489	13.338
\$ 2 DCAA	272661549	286048635	274138907	252509618	235940412	264259824	7.528

AK 11.77%
RSD

72 HP68901H
Data File: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50028.D DB608
Report Date: 03-Aug-2000 14:20 666 631

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc1.i Injection Date: 03-AUG-2000 00:07
Lab File ID: A-A50028.D Init. Cal. Date(s): 02-AUG-2000 02-AUG-2000
Analysis Type: Init. Cal. Times: 17:20 19:16
Lab Sample ID: Mherb Quant Type: ESTD
Method: \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m

COMPOUND	RRF	RFO	MIN RRF	%D	MAX %D
1 DALAPON	84375158	87678360	0.010	3.9	15.0
2 DCAA	264259824	288478578	0.010	9.2	15.0
3 MCPP	419580	468618	0.010	11.7	15.0
4 DICAMBA	175674258	191037812	0.010	8.7	15.0
5 MCPA	473286	520042	0.010	9.9	15.0
6 DICHLOROPROP	35985811	40153667	0.010	11.6	15.0
7 2,4-D	31229973	35414031	0.010	13.4	15.0
8 PENTACHLOROPHENOL	438562837	470911748	0.010	7.4	15.0
9 2,4,5-TP(SILVEX)	1.387e+09	1.498e+09	0.010	8.0	15.0
10 2,4,5-T	893164474	999041280	0.010	11.9	15.0
11 DINOSEB	1.211e+09	1.341e+09	0.010	10.8	15.0
12 2,4-DB	130486489	129823538	0.010	-0.5	15.0

666 632

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0G270302

GC Column: DB608

ID: 0.53

(mm) Init. Calib. Date(s): 08/02/00 08/02/00

Instrument ID: GC1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION S1 : 10.58							
EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	RT
=====		=====	=====	=====	=====		=====
01		LHERB	08/02/00	1720	10.58		
02		MLHERB	08/02/00	1749	10.58		
03		MHERB	08/02/00	1818	10.57		
04		MHHERB	08/02/00	1847	10.57		
05		HHERB	08/02/00	1916	10.57		
06	PBLK	DH4LM101	08/02/00	2240	10.58		
07	LCS	DH4LM102	08/02/00	2309	10.57		
08	LCSD	DH4LM103	08/02/00	2338	10.57		
09		MHERB	08/03/00	0007	10.57		
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

S1 = DCAA

QC LIMITS
(+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50014.D
Report Date: 03-Aug-2000 14:16

666 633

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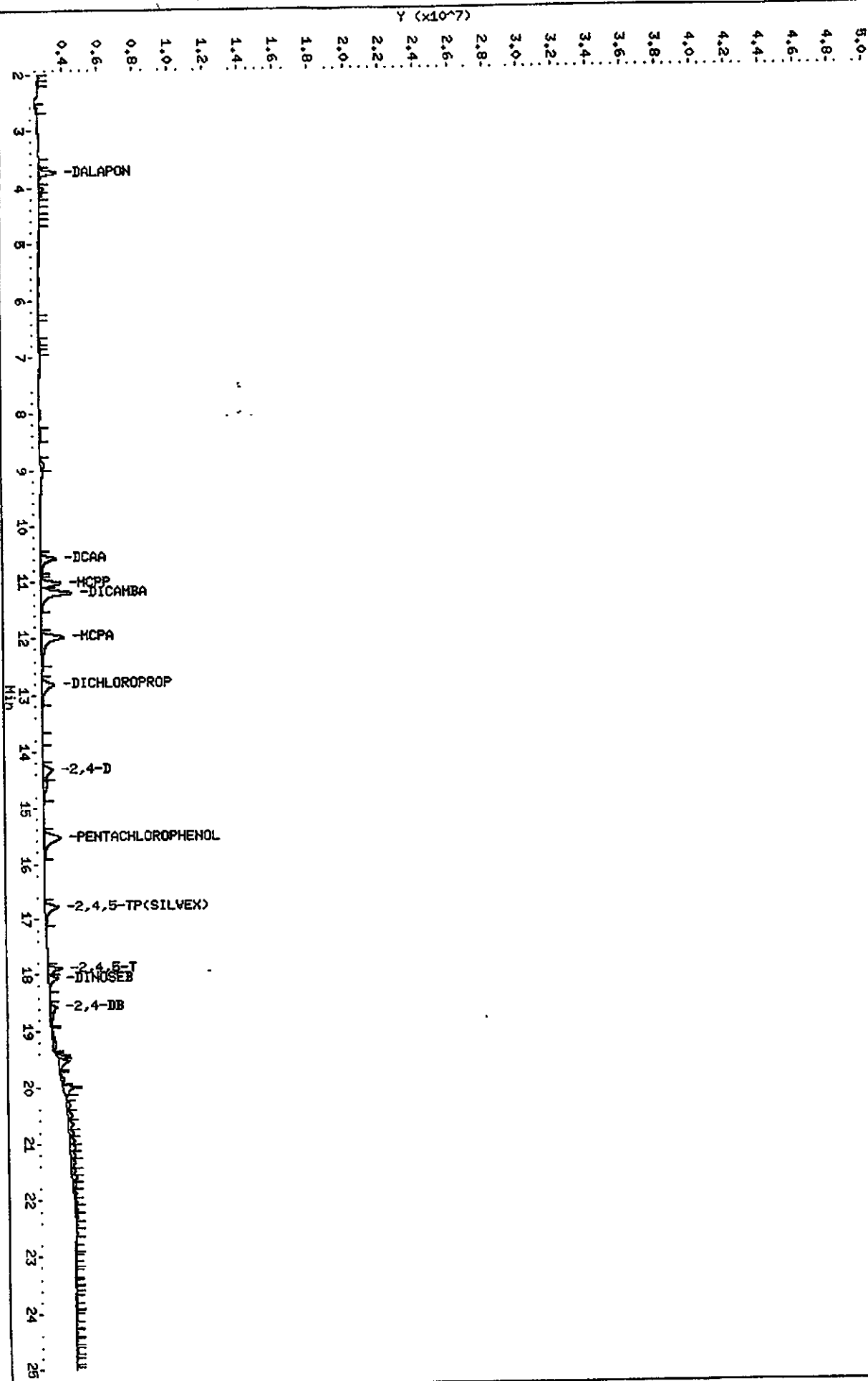
Data file : \\QPITPA02\D\chem\gc1.i\5020.b\A-A50014.D
Lab Smp Id: Lherb
Inj Date : 02-AUG-2000 17:20
Operator : 01797
Smp Info : Lherb,5020.b
Misc Info : 190-94-1
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Meth Date : 03-Aug-2000 14:16 eppingerd Quant Type: ESTD
Cal Date : 02-AUG-2000 17:20 Cal File: A-A50014.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.04
Processing Host: PITPC086

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
1 DALAPON	3.731	3.730	0.001	1014899	0.01100	0.01203
\$ 2 DCAA	10.578	10.571	0.007	5807691	0.02130	0.02198
3 MCPP	11.015	11.010	0.005	1105891	2.12000	2.636
4 DICAMBA	11.183	11.185	-0.002	1699738	0.01060	0.009676
5 MCPA	11.972	11.968	0.004	1250032	2.14000	2.641
6 DICHLOROPROP	12.809	12.805	0.004	671416	0.02120	0.01866
7 2,4-D	14.318	14.314	0.004	534210	0.02110	0.01710
8 PENTACHLOROPHENOL	15.543	15.536	0.007	957763	0.00266	0.002184
9 2,4,5-TP(SILVEX)	16.769	16.761	0.008	6898075	0.00525	0.004972
10 2,4,5-T	17.889	17.890	-0.001	4188888	0.00527	0.004690
11 DINOSEB	18.064	18.060	0.004	3464665	0.00317	0.002862
12 2,4-DB	18.570	18.563	0.007	3382876	0.02110	0.02592

Data File: \\QPITP002\chem\ecol.1\5020.b\A-850014.D
 Date: 02-AUG-2000 17:20
 Client ID:
 Sample Info: Lherb, 5020.b
 Column phase: DB608

Instrument: ecol.1
 Operator: 01797
 Column diameter: 0.53

\\QPITP002\chem\ecol.1\5020.b\A-850014.D



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc1.i\5020.b\A-A50015.D
Lab Smp Id: MLherb
Inj Date : 02-AUG-2000 17:49
Operator : 01797
Smp Info : MLherb,5020.b
Misc Info : 190-94-2
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Meth Date : 03-Aug-2000 14:16 eppingerd Quant Type: ESTD
Cal Date : 02-AUG-2000 17:20 Cal File: A-A50014.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.04
Processing Host: PITPC086

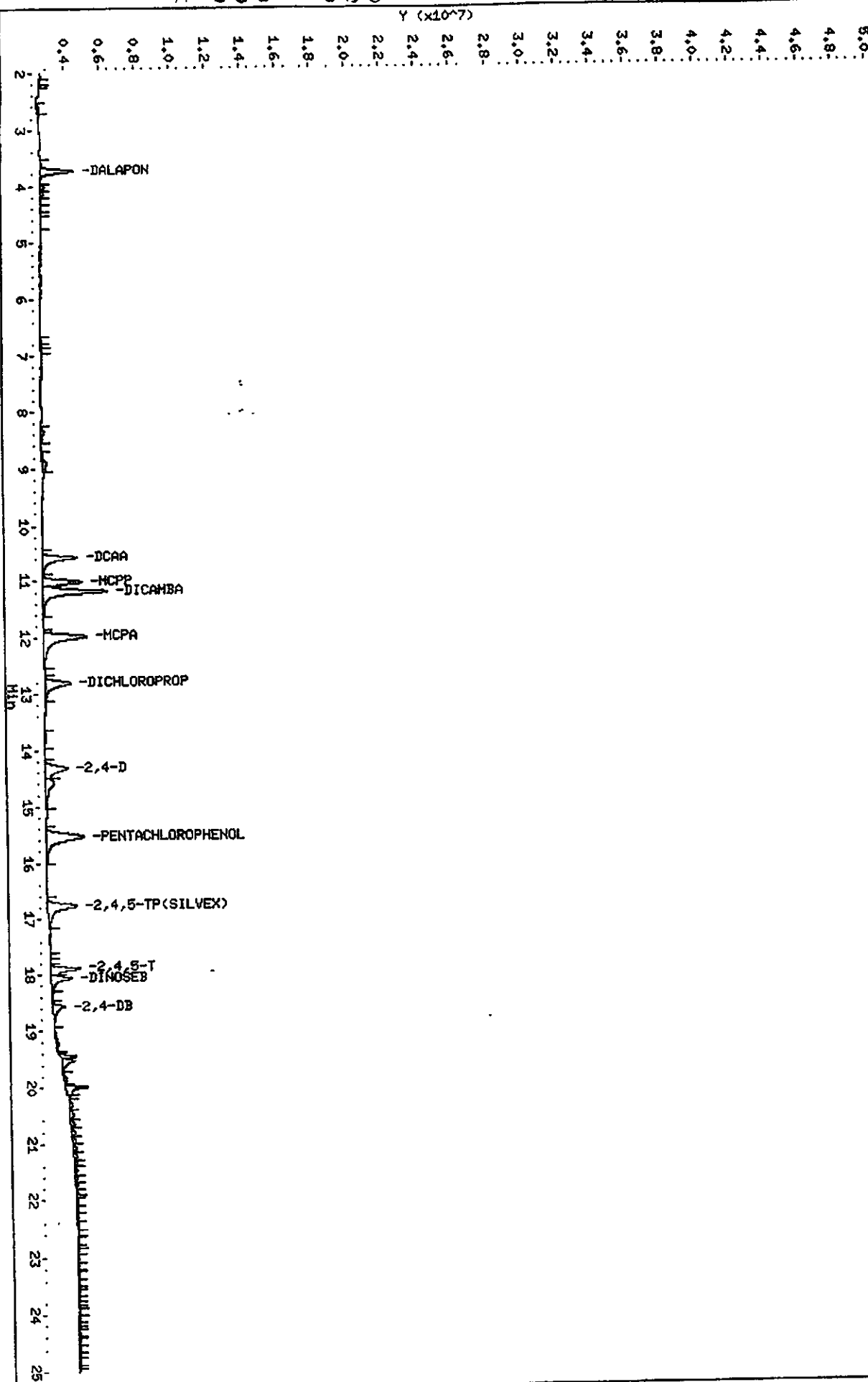
Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
1 DALAPON	3.733	3.730	0.003	1924294	0.02200	0.02281
\$ 2 DCAA	10.575	10.571	0.004	12157067	0.04250	0.04600
3 MCPP	11.014	11.010	0.004	2198922	4.26000	5.241
4 DICAMBA	11.183	11.185	-0.002	3619516	0.02130	0.02060
5 MCPA	11.974	11.968	0.006	2459126	4.28000	5.196
6 DICHLOROPROP	12.805	12.805	0.000	1500486	0.04240	0.04170
7 2,4-D	14.309	14.314	-0.005	1260271	0.04250	0.04035
8 PENTACHLOROPHENOL	15.537	15.536	0.001	2129119	0.00532	0.004855
9 2,4,5-TP(SILVEX)	16.760	16.761	-0.001	14104989	0.01050	0.01017
10 2,4,5-T	17.885	17.890	-0.005	8996391	0.01050	0.01007
11 DINOSEB	18.060	18.060	0.000	6890365	0.00635	0.005692
12 2,4-DB	18.571	18.563	0.008	5057221	0.04220	0.03876

666 636

Data File: \NPITPA02\Nchem\gcl.i\5020.b\A-850015.D
 Date: 02-AUG-2000 17:49
 Client ID:
 Sample Info: Mherb,5020.b
 Column phase: DB625

Instrument: gcl.i
 Operator: 02797
 Column diameter: 0.53

\NPITPA02\Nchem\gcl.i\5020.b\A-850015.D



Data File: \\QPITPA02\D\chem\gc1.i\5020.b\A-A50016.D
Report Date: 03-Aug-2000 14:17

666 637

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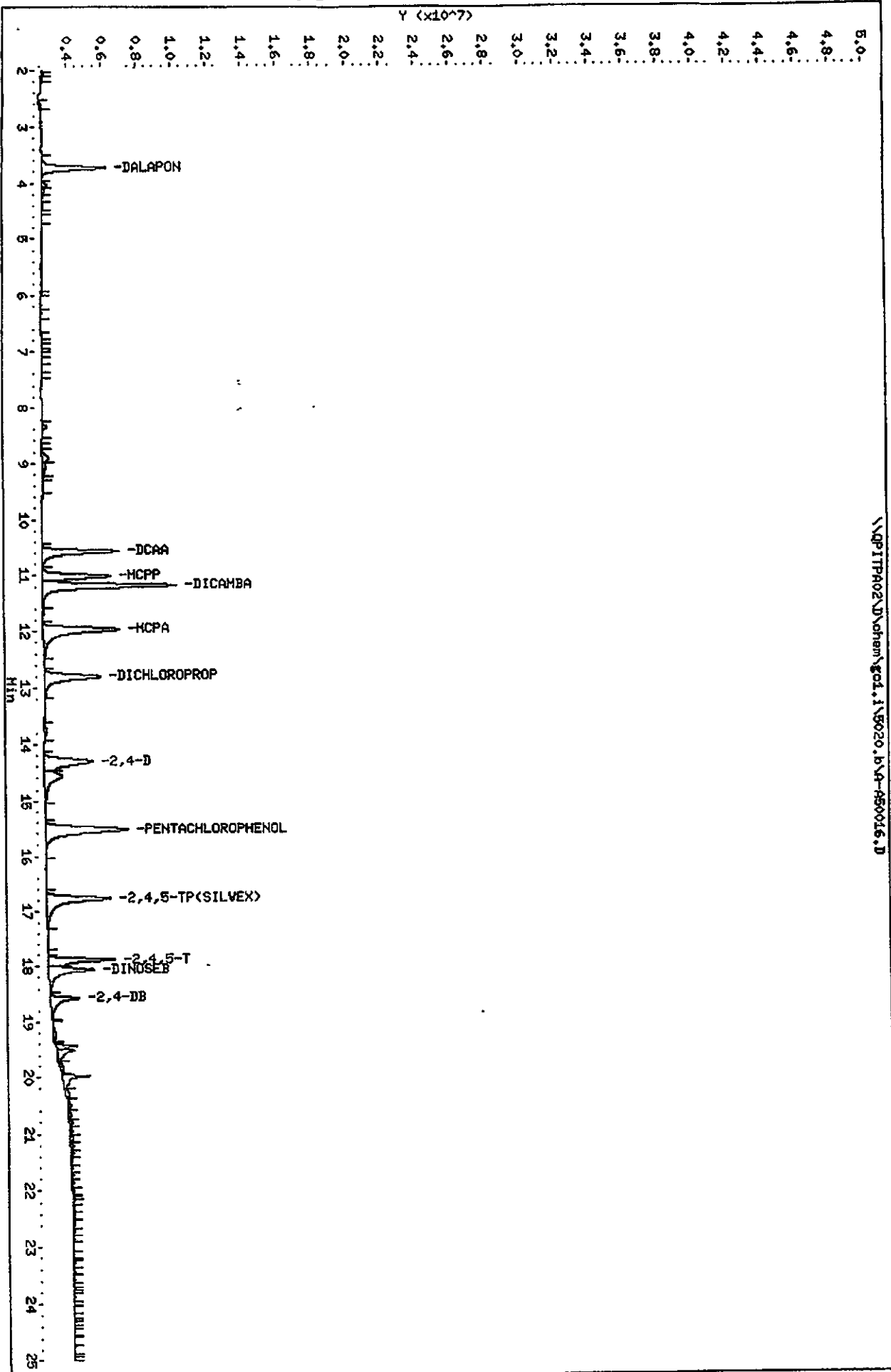
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Lab Smp Id: Mherb
Inj Date : 02-AUG-2000 18:18
Operator : 01797
Smp Info : Mherb,5020.b
Misc Info : 190-94-3
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Meth Date : 03-Aug-2000 14:17 eppingerd Quant Type: ESTD
Cal Date : 02-AUG-2000 17:20 Cal File: A-A50014.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC086

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
1 DALAPON	3.730	3.730	0.000	3720754	0.04390	0.04410
\$ 2 DCAA	10.571	10.571	0.000	23329221	0.08510	0.08828
3 MCPP	11.010	11.010	0.000	3864481	8.52000	9.210
4 DICAMBA	11.185	11.185	0.000	7638227	0.04250	0.04348
5 MCPA	11.968	11.968	0.000	4324054	8.56000	9.136
6 DICHLOROPROP	12.805	12.805	0.000	3223661	0.08480	0.08958
7 2,4-D	14.314	14.314	0.000	2795684	0.08510	0.08952
8 PENTACHLOROPHENOL	15.536	15.536	0.000	4780271	0.01064	0.01090
9 2,4,5-TP(SILVEX)	16.761	16.761	0.000	30075509	0.02110	0.02168
10 2,4,5-T	17.890	17.890	0.000	19325638	0.02110	0.02164
11 DINOSEB	18.060	18.060	0.000	16869882	0.01270	0.01394
12 2,4-DB	18.563	18.563	0.000	11095697	0.08450	0.08503

666 638

Data File: \QPIIPA02\Nohem\gcl.1\B020.b\A-850016.D
 Date : 02-AUG-2000 18:18
 Client ID:
 Sample Info: Herb, B020.b
 Column phase: DB608

Instrument: gcl.1
 Operator: 01797
 Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc1.i\5020.b\A-A50017.D
 Lab Smp Id: MHherb
 Inj Date : 02-AUG-2000 18:47
 Operator : 01797
 Smp Info : MHherb,5020.b
 Misc Info : 190-94-4
 Comment :
 Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
 Meth Date : 03-Aug-2000 14:18 eppingerd Quant Type: ESTD
 Cal Date : 02-AUG-2000 17:20 Cal File: A-A50014.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-all.sub
 Target Version: 4.04
 Processing Host: PITPC086

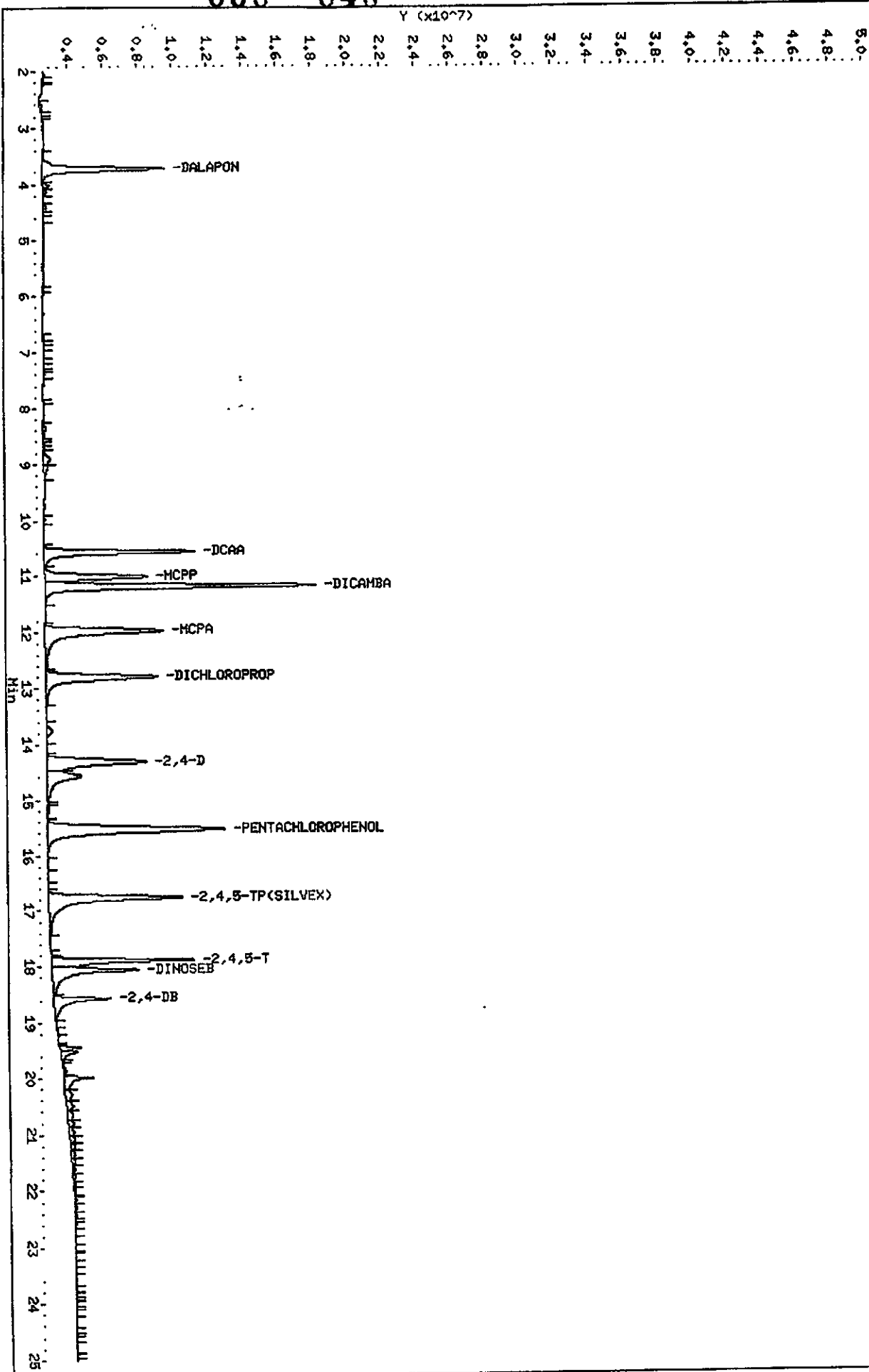
Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
1 DALAPON	3.734	3.730	0.004	7027078	0.08780	0.08328
\$ 2 DCAA	10.573	10.571	0.002	42926635	0.17000	0.1624
3 MCPP	11.010	11.010	0.000	5888675	17.0000	14.03
4 DICAMBA	11.184	11.185	-0.001	15514286	0.08510	0.08831
5 MCPA	11.974	11.968	0.006	6753382	17.1000	14.27
6 DICHLOROPROP	12.802	12.805	-0.003	6378190	0.17000	0.1772
7 2,4-D	14.310	14.314	-0.004	5722078	0.17000	0.1832
8 PENTACHLOROPHENOL	15.536	15.536	0.000	10137638	0.02128	0.02312
9 2,4,5-TP(SILVEX)	16.758	16.761	-0.003	59602060	0.04210	0.04296
10 2,4,5-T	17.887	17.890	-0.003	38766407	0.04220	0.04340
11 DINOSEB	18.060	18.060	0.000	32484626	0.02540	0.02683
12 2,4-DB	18.560	18.563	-0.003	20048416	0.16900	0.1536

666 640

Data File: \\PITPA02\J\chem\gc1.1\5020.b\A-650017.D
 Date: 02-AUG-2000 18:47
 Client ID:
 Sample Info: Hherb, 5020.b
 Column phase: M308

Instrument: gc1.1
 Operator: 01797
 Column diameter: 0.53

\\PITPA02\J\chem\gc1.1\5020.b\A-650017.D



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc1.i\5020.b\A-A50018.D
Lab Smp Id: Hherb
Inj Date : 02-AUG-2000 19:16
Operator : 01797
Smp Info : Hherb,5020.b
Misc Info : 190-94-5
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Meth Date : 03-Aug-2000 14:19 eppingerd
Cal Date : 02-AUG-2000 19:16
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC086

Inst ID: gc1.i
Quant Type: ESTD
Cal File: A-A50018.D
Calibration Sample, Level: 5
Compound Sublist: 1-all.sub

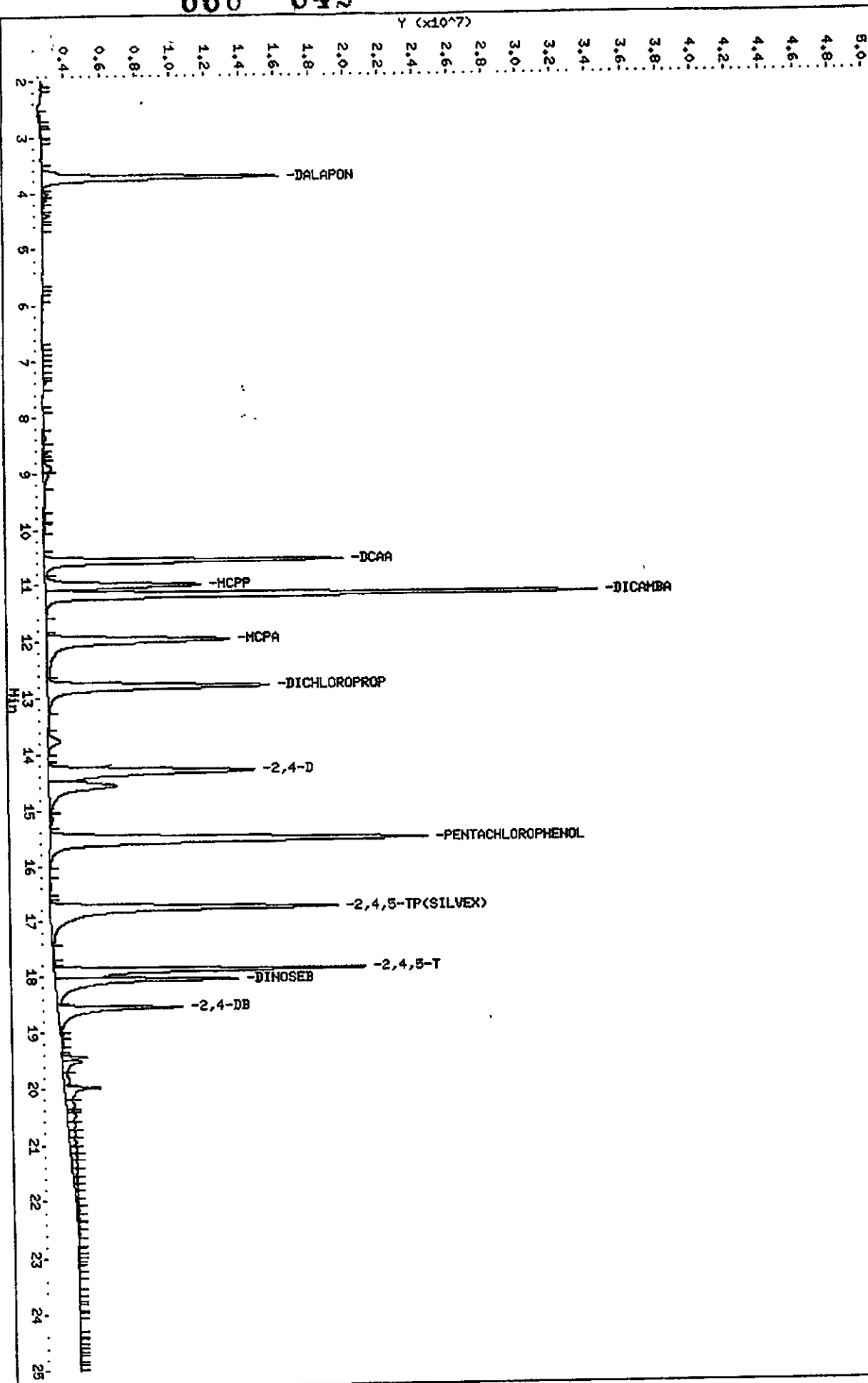
Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
1 DALAPON	3.733	3.730	0.003	13614315	0.17600	0.1614
\$ 2 DCAA	10.569	10.571	-0.002	80219740	0.34000	0.3036
3 MCPP	11.009	11.010	-0.001	8869577	34.1000	21.14
4 DICAMBA	11.186	11.185	0.001	31629996	0.17000	0.1800
5 MCPA	11.973	11.968	0.005	10460441	34.0000	22.10
6 DICHLOROPROP	12.801	12.805	-0.004	12656916	0.33900	0.3517
7 2,4-D	14.306	14.314	-0.008	11786912	0.34000	0.3774
8 PENTACHLOROPHENOL	15.534	15.536	-0.002	21567583	0.04255	0.04918
9 2,4,5-TP(SILVEX)	16.758	16.761	-0.003	120857422	0.08400	0.08711
10 2,4,5-T	17.884	17.890	-0.006	82680398	0.08440	0.09257
11 DINOSEB	18.062	18.060	0.002	64386165	0.05080	0.05319
12 2,4-DB	18.560	18.563	-0.003	41346696	0.33800	0.3169

666 642

Data File: \\QPI1P402\chem\gcl.1\5020.b\4-850018.D
 Date: 02-AUG-2000 19:16
 Client ID:
 Sample Info: Herb, 5020.b
 Column phase: DB609

Instrument: gcl.1
 Operator: 01797
 Column diameter: 0.53

\\QPI1P402\chem\gcl.1\5020.b\4-850018.D



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Data file : \\QPITPA02\D\chem\gc1.i\5020.b\A-A50028.D
Lab Smp Id: Mherb
Inj Date : 03-AUG-2000 00:07
Operator : 01797
Smp Info : Mherb,5020.b
Misc Info : 190-94-3
Comment :
Method : \\QPITPA02\D\chem\gc1.i\5020.b\LONGH.m
Meth Date : 03-Aug-2000 14:19 eppingerd
Cal Date : 02-AUG-2000 19:16
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC086

Inst ID: gc1.i
Quant Type: ESTD
Cal File: A-A50018.D
Continuing Calibration Sample
Compound Sublist: all.sub

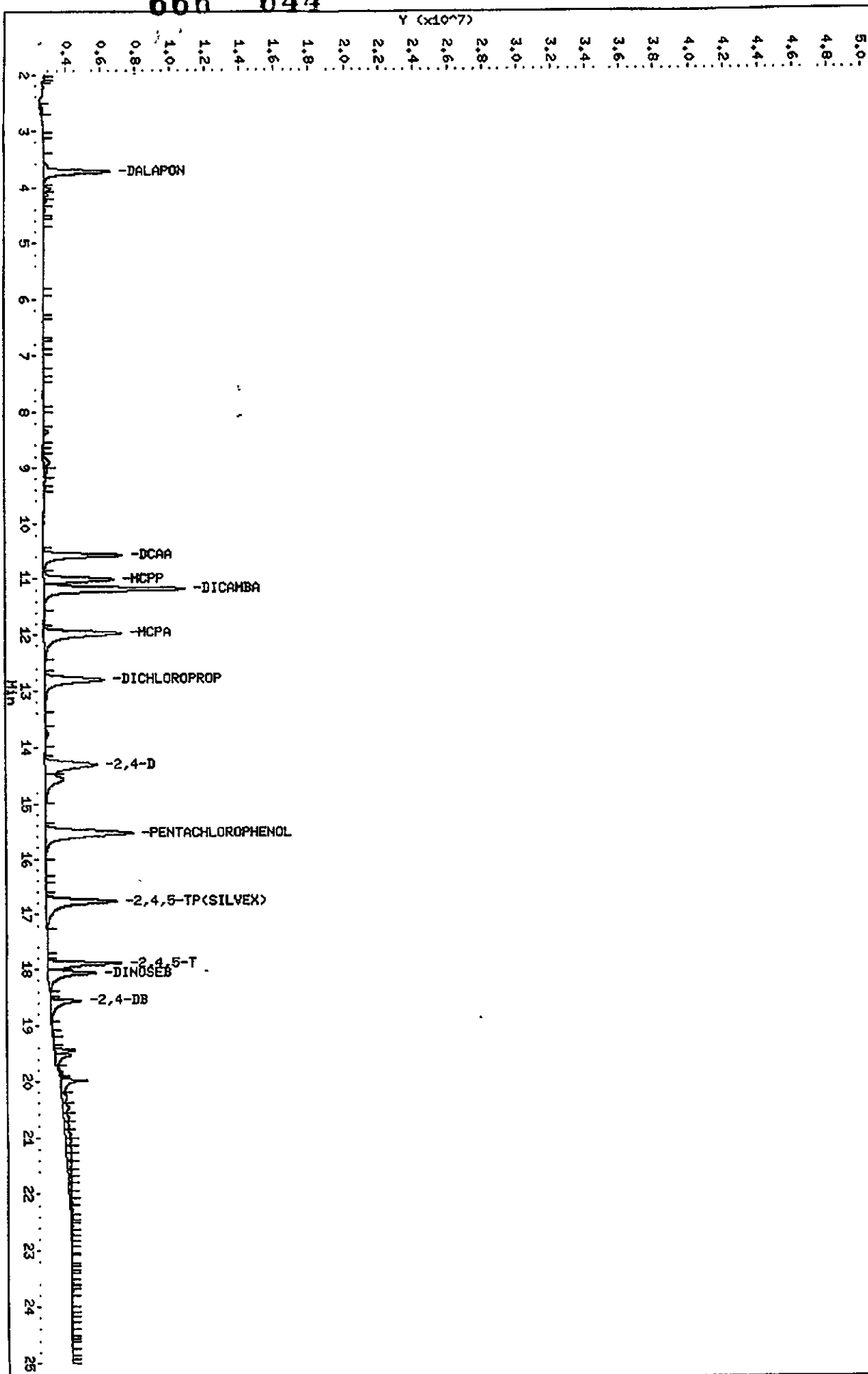
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
-----	--	-----	-----	-----	-----	-----
1 DALAPON	3.733	3.730	0.003	3849080	0.04390	0.04562
\$ 2 DCAA	10.573	10.571	0.002	24549527	0.08510	0.09290
3 MCPP	11.013	11.010	0.003	3992626	8.52000	9.516
4 DICAMBA	11.185	11.185	0.000	8119107	0.04250	0.04622
5 MCPA	11.974	11.968	0.006	4451557	8.56000	9.406
6 DICHLOROPROP	12.805	12.805	0.000	3405031	0.08480	0.09462
7 2,4-D	14.312	14.314	-0.002	3013734	0.08510	0.09650
8 PENTACHLOROPHENOL	15.540	15.536	0.004	5010501	0.01064	0.01142
9 2,4,5-TP(SILVEX)	16.760	16.761	-0.001	31611950	0.02110	0.02278
10 2,4,5-T	17.890	17.890	0.000	21079771	0.02110	0.02360
11 DINOSEB	18.063	18.060	0.003	17031394	0.01270	0.01407
12 2,4-DB	18.566	18.563	0.003	10970089	0.08450	0.08407

666 644

Data File: \\QPITPA02\chem\col.1\5020.b\A-A50028.D
 Date: 03-AUG-2000 00:07
 Client ID:
 Sample Info: Herb, 5020.b
 Column phase: DB608

Instrument: col.1
 Operator: 01797
 Column diameter: 0.53

\\QPITPA02\chem\col.1\5020.b\A-A50028.D



FINAL PAGE

PART I

ADMINISTRATIVE RECORD

PART I

FINAL PAGE