

THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 668



STL Pittsburgh
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ANALYTICAL REPORT

PROJECT NO. UXB 7512-060

Dunn Field, Def Depot Memphis

Lot #: COH150146

Frank Johnson

Memphis Depot

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Dave Dunlap".

Dave Dunlap
Project Manager

August 31, 2000

CASE NARRATIVE
UXB International Inc.
Dunn Field

LOT # C0H150146

Sample Receiving:

STL Pittsburgh received a sample on August 15, 2000 in good condition and within the proper temperature range.

Volatiles:

Due to the concentration of chloroform detected, DF/S1/0227/IDW/003 was analyzed at a 10X and at a 50X dilution. Both sets of results were reported.

Semivolatiles:

The sample had low surrogate recoveries. The sample was reextracted two days outside of the holding time. The reanalysis also had low surrogate recoveries, confirming matrix interference. Both sets of data are reported.

Pesticides:

The sample was analyzed at a 10X dilution due to matrix. Due to the dilution, the surrogates were diluted out.

The form 8's do not reflect that the retention times of the surrogates were updated with the times from the continuing calibration standards.

PCBs:

The sample was analyzed at a 10X dilution due to matrix. Due to the dilution, the surrogates were diluted out.

Herbicides:

The sample was analyzed at a 10X dilution due to matrix. Due to the dilution, the surrogates were diluted out.

For the continuing calibration standard analyzed on August 24, 2000 at 16:54, 2,4-D and 2,4,5-T were exceeded the +/-15%D criteria. The average of all of the compounds was 10.5%. Since there was no detection of these compounds in the sample, all data was reported.

Metals:

DF/S1/0227/IDW/003 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.

CASE NARRATIVE
UXB International Inc.
Dunn Field

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LOT # C0H150146

General Chemistry:

There were no problems associated with the analyses.

METHODS SUMMARY

COH150146

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

COH150146

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
DHV7M	001	DF/S1/0227/IDW/003	08/14/00	09:00

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.



Chain of Custody Record

Client	LAB Int		Project Manager	Jim Thoren	Date	8/14/00	Chain Of Custody Number	67354
Address	Residence Inn, Rm 116, 6141 Old Poplar Pk		Telephone Number (Area Code)/Fax Number	(901) 745-4999 / 4280	Lab Number			
City	Memphis	State	TN	Zip Code	38119	Site Contact	Chris Rose / James Ratcliff	Page 1 of 1
Project Name	Duan Field		Camera/Waybill Number		Analysis			
Contract/Purchase Order/Quote No.								

[illegible]

Special Instructions

Possible Hazard Identification				Sample Disposal			
Non-Hazardous	Flammable	Skin Irritant	Poison B	Unknown	Return To Client	Disposal By Lab	Archive For
um Around Time Required							Months
☒ Normal	☐ Rush	☐ Normal	☐ I.	☐ II.	☐ III.	Project Specific (Specify)	
Relinquished By <u>Chris Rose</u>				1. Received By _____ Date _____ Time _____			
Relinquished By _____				2. Received By _____ Date _____ Time _____			
Relinquished By _____				3. Received By <u>Paula J.</u> Date <u>8-15-00</u> Time <u>9:40</u>			

Comments

Cooler Receipt Form
STL Pittsburgh

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Client: UXB Project: _____ Quote: 34878
Cooler Rec'd & Opened for Temp. Check on: 8-15-00
Coolers Opened and Unpacked on: 8-15-00 By: [Signature]
(Signature)

STL Pittsburgh Lot Number: C014/50146

	Yes	No
1. Were custody seals on the outside of the cooler? _____	☒	☐
If YES, how many and where? Quantity <u>2</u> Location <u>Front</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 Bag & 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: _____

[illegible]

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

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SBCCOM
Monitoring Branch Laboratory

CLEARANCE REPORT

August-14, 2000

Dunn Field, Memphis Defense Depot

Results for CWM Soil Sample Analysis

Analyst: John L Schwarz

Sample#		1,4- Thioxane	1,4- Dithiane	TDG	Mustard	Lewisite
DF/S1/02 27/IDW/0 03		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

DATA SUMMARY PACKAGE

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GC/MS VOLATILE SUMMARY

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M101

Date Extracted: 08/15/00

Dilution factor: 10

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	57	J
71-43-2	Benzene	50	U
75-27-4	Bromodichloromethane	15	J
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	100	U
78-93-3	2-Butanone	25	J
75-15-0	Carbon disulfide	50	U
56-23-5	Carbon tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
124-48-1	Dibromochloromethane	50	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	7000	E
74-87-3	Chloromethane	100	U
75-34-3	1,1-Dichloroethane	50	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	50	U
591-78-6	2-Hexanone	200	U
75-09-2	Methylene chloride	50	U
108-10-1	4-Methyl-2-pentanone	200	U
100-42-5	Styrene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
127-18-4	Tetrachloroethene	50	U
108-88-3	Toluene	50	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M101

Date Extracted: 08/15/00

Dilution factor: 10

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
71-55-6	1,1,1-Trichloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
79-01-6	Trichloroethene	50	U
75-01-4	Vinyl chloride	100	U
1330-20-7	Xylenes (total)	50	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M201

Date Extracted: 08/15/00

Dilution factor: 50

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	140	J
71-43-2	Benzene	250	U
75-27-4	Bromodichloromethane	250	U
75-25-2	Bromoform	250	U
74-83-9	Bromomethane	500	U
78-93-3	2-Butanone	1000	U
75-15-0	Carbon disulfide	250	U
56-23-5	Carbon tetrachloride	250	U
108-90-7	Chlorobenzene	250	U
124-48-1	Dibromochloromethane	250	U
75-00-3	Chloroethane	500	U
67-66-3	Chloroform	8200	
74-87-3	Chloromethane	500	U
75-34-3	1,1-Dichloroethane	250	U
107-06-2	1,2-Dichloroethane	250	U
75-35-4	1,1-Dichloroethene	250	U
540-59-0	1,2-Dichloroethene (total)	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
100-41-4	Ethylbenzene	250	U
591-78-6	2-Hexanone	1000	U
75-09-2	Methylene chloride	250	U
108-10-1	4-Methyl-2-pentanone	1000	U
100-42-5	Styrene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
127-18-4	Tetrachloroethene	250	U
108-88-3	Toluene	250	U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M201

Date Extracted: 08/15/00

Dilution factor: 50

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
71-55-6	1,1,1-Trichloroethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
79-01-6	Trichloroethene	250	U
75-01-4	Vinyl chloride	500	U
1330-20-7	Xylenes (total)	250	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150000 131

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/14/00

Work Order: DHTQ6102

Date Extracted: 08/15/00

Dilution factor: 1

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: CHECK SAMPLE

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
71-43-2	Benzene	43.2	
108-90-7	Chlorobenzene	42.2	
75-35-4	1,1-Dichloroethene	46.6	
108-88-3	Toluene	42.6	
79-01-6	Trichloroethene	41.5	

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0H150146

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
	=====	=====	=====	=====	=====	=====
01	INTRA-LAB QC	98	92	87	91	00
02	DF/S1/0227/IDW/003	102	95	89	98	00
03	DF/S1/0227/IDW/003 RE-1	114	104	97	106	00
04	METHOD BLK. DHTQ6101	99	101	98	95	00
05	LCS DHTQ6102	107	97	94	98	00
06	LAB MS/MSD D	106	98	93	98	00
07	LAB MS/MSD S	105	99	91	96	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

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H150000

WO #: DHTQ6102

BATCH: 0228131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	46.6	93	65 - 119	
Trichloroethene	50.0	41.5	83	80 - 122	
Benzene	50.0	43.2	86	79 - 116	
Toluene	50.0	42.6	85	76 - 119	
Chlorobenzene	50.0	42.2	84	81 - 115	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

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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 #: COH140112

WO #: DHRQQ10U

BATCH: 0228131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	ND	47.9	96	57 - 138	
Trichloroethene	50.0	ND	42.2	84	58 - 141	
Benzene	50.0	ND	44.7	89	73 - 123	
Toluene	50.0	ND	43.9	88	67 - 129	
Chlorobenzene	50.0	ND	42.4	85	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:

FORM III

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C0H140112

WO #: DHRQQ10V

BATCH: 0228131

COMPOUND	SPIKE	MSD	MSD	QC LIMITS			QUAL
	ADDED (ug/L)	CONCENT. (ug/L)	% REC	% RPD	RPD	REC	
1,1-Dichloroethene	50.0	47.7	95	0.52	20	57 - 138	
Trichloroethene	50.0	42.6	85	1.0	20	58 - 141	
Benzene	50.0	44.4	89	0.69	20	73 - 123	
Toluene	50.0	44.2	88	0.54	20	67 - 129	
Chlorobenzene	50.0	43.3	87	2.2	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:

668 22 SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DHTQ6101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: WB30815.D

Lot Number: C0H150146

Date Analyzed: 08/15/00

Time Analyzed: 06:30

Matrix: WATER

Date Extracted:08/15/00

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	LAB MS/MSD	DHRQ010U S	3081508.D	08/15/00	09:31
02	LAB MS/MSD	DHRQ010V D	3081509.D	08/15/00	09:53
03	INTRA-LAB QC	DHRQ0101	3081504.D	08/15/00	08:00
04	CHECK SAMPLE	DHTQ6102 C	3081505.D	08/15/00	08:22
05	DF/S1/0227/IDW/003	DHV7M101	3081518.D	08/15/00	13:15
06	DF/S1/0227/IDW/003	DHV7M201	3081520.D	08/15/00	14:02
07					
08					
09					
10					
11					
12					
13					
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17					
18					
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22					
23					
24					
25					
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: COH150000 131
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/14/00
Work Order: DHTQ6101 Date Extracted: 08/15/00
Dilution factor: 1 Date Analyzed: 08/15/00
Moisture %: NA

QC Batch: 0228131

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	20	U
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: COH150000 131

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/14/00

Work Order: DHTQ6101

Date Extracted: 08/15/00

Dilution factor: 1

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID (Standard): CC30815

Date Analyzed: 08/15/00

Instrument ID: HP3

Time Analyzed: 0555

GC Column: DB 624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DCB) AREA #	RT #	IS3 AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	170701	9.74	301296	12.06	629126	6.60
UPPER LIMIT	341402	9.94	602592	12.26	1258252	6.80
LOWER LIMIT	85351	9.54	150648	11.86	314563	6.40
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	167025	9.73	279740	12.05	629565	6.60
02 INTRA-LAB CH	162542	9.73	264072	12.05	596267	6.61
03 DF/S1/0227/I	163619	9.74	273146	12.05	614667	6.61
04 DF/S1/0227/I	152976	9.74	247097	12.06	569740	6.61
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.

GC/MS SEMIVOLATILE SUMMARY

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	20	U
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	30	
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L Q
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg)	ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10		U
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

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	20	U
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	19	
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U
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

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS.

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: CHECK SAMPLE

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	35.6	
59-50-7	4-Chloro-3-methylphenol	55.5	
95-57-8	2-Chlorophenol	49.0	
106-46-7	1,4-Dichlorobenzene	32.7	
121-14-2	2,4-Dinitrotoluene	29.1	
100-02-7	4-Nitrophenol	58.4	
621-64-7	N-Nitrosodi-n-propylamine	32.0	
87-86-5	Pentachlorophenol	58.3	
108-95-2	Phenol	46.2	
129-00-0	Pyrene	28.4	
120-82-1	1,2,4-Trichlorobenzene	33.6	

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225103

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L Q
83-32-9	Acenaphthene	35.8	
59-50-7	4-Chloro-3-methylphenol	57.2	
95-57-8	2-Chlorophenol	52.0	
106-46-7	1,4-Dichlorobenzene	34.1	
121-14-2	2,4-Dinitrotoluene	30.1	
100-02-7	4-Nitrophenol	58.3	
621-64-7	N-Nitrosodi-n-propylamine	34.2	
87-86-5	Pentachlorophenol	65.9	
108-95-2	Phenol	47.5	
129-00-0	Pyrene	29.4	
120-82-1	1,2,4-Trichlorobenzene	35.6	

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH240000 329
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 08/22/00
Work Order: DJD4V102 Date Extracted: 08/23/00
Dilution factor: 1 Date Analyzed: 08/25/00
Moisture %: NA

QC Batch: 0237329

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	34.6	
59-50-7	4-Chloro-3-methylphenol	53.7	
95-57-8	2-Chlorophenol	53.3	
106-46-7	1,4-Dichlorobenzene	34.8	
121-14-2	2,4-Dinitrotoluene	32.4	
100-02-7	4-Nitrophenol	49.4	
621-64-7	N-Nitrosodi-n-propylamine	36.6	
87-86-5	Pentachlorophenol	68.8	
108-95-2	Phenol	48.6	
129-00-0	Pyrene	34.0	
120-82-1	1,2,4-Trichlorobenzene	35.3	

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H240000 329

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V103

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	38.6	
59-50-7	4-Chloro-3-methylphenol	60.9	
95-57-8	2-Chlorophenol	61.2	
106-46-7	1,4-Dichlorobenzene	38.4	
121-14-2	2,4-Dinitrotoluene	36.0	
100-02-7	4-Nitrophenol	54.3	
621-64-7	N-Nitrosodi-n-propylamine	42.6	
87-86-5	Pentachlorophenol	75.5	
108-95-2	Phenol	57.5	
129-00-0	Pyrene	39.0	
120-82-1	1,2,4-Trichlorobenzene	37.9	

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT QESSDG:

Lot #: C0H150146

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	DF/S1/0227/IDW/003	3.2*	78	70	72	30	62	01
02	DF/S1/0227/IDW/003 RE-1	9.8*	18 *	67	3.8*	0.0*	0.0*	05
03	METHOD BLK. DJD4V101	70	61	64	70	65	68	00
04	METHOD BLK. DJ225101	72	74	76	70	65	88	00
05	LCS DJD4V102	72	69	69	68	67	75	00
06	LCS DJ225102	65	68	69	55	58	74	00
07	LCSD DJD4V103	83	75	75	77	77	85	00
08	LCSD DJ225103	67	72	70	57	61	79	00

<u>SURROGATES</u>	<u>QC LIMITS</u>
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

668 38 SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H170000

WO #: DJ225102

BATCH: 0230354

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Phenol	75.0	46.2	62	10- 131	
2-Chlorophenol	75.0	49.0	65	19- 124	
1,4-Dichlorobenzene	50.0	32.7	65	28- 110	
N-Nitrosodi-n-propylamine	50.0	32.0	64	30- 115	
1,2,4-Trichlorobenzene	50.0	33.6	67	31- 110	
4-Chloro-3-methylphenol	75.0	55.5	74	29- 124	
Acenaphthene	50.0	35.6	71	39- 118	
4-Nitrophenol	75.0	58.4	78	19- 144	
2,4-Dinitrotoluene	50.0	29.1	58	47- 131	
Pentachlorophenol	75.0	58.3	78	10- 140	
Pyrene	50.0	28.4	57	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 #: COH170000

WO #: DJ225103

BATCH: 0230354

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	47.5	63	10- 131	
2-Chlorophenol	75.0	52.0	69	19- 124	
1,4-Dichlorobenzene	50.0	34.1	68	28- 110	
N-Nitrosodi-n-propylamine	50.0	34.2	68	30- 115	
1,2,4-Trichlorobenzene	50.0	35.6	71	31- 110	
4-Chloro-3-methylphenol	75.0	57.2	76	29- 124	
Acenaphthene	50.0	35.8	72	39- 118	
4-Nitrophenol	75.0	58.3	78	19- 144	
2,4-Dinitrotoluene	50.0	30.1	60	47- 131	
Pentachlorophenol	75.0	65.9	88	10- 140	
Pyrene	50.0	29.4	59	46- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

668 40 SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H240000

WO #: DJD4V102

BATCH: 0237329

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Acenaphthene	50.0	34.6	69	39- 118	
4-Nitrophenol	75.0	49.4	66	19- 144	
2,4-Dinitrotoluene	50.0	32.4	65	47- 131	
Pentachlorophenol	75.0	68.8	92	10- 140	
Pyrene	50.0	34.0	68	46- 130	
Phenol	75.0	48.6	65	10- 131	
2-Chlorophenol	75.0	53.3	71	19- 124	
1,4-Dichlorobenzene	50.0	34.8	70	28- 110	
N-Nitrosodi-n-propylamine	50.0	36.6	73	30- 115	
1,2,4-Trichlorobenzene	50.0	35.3	71	31- 110	
4-Chloro-3-methylphenol	75.0	53.7	72	29- 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H240000

WO #: DJD4V103

BATCH: 0237329

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	57.5	77	10- 131	
2-Chlorophenol	75.0	61.2	82	19- 124	
1,4-Dichlorobenzene	50.0	38.4	77	28- 110	
N-Nitrosodi-n-propylamine	50.0	42.6	85	30- 115	
1,2,4-Trichlorobenzene	50.0	37.9	76	31- 110	
4-Chloro-3-methylphenol	75.0	60.9	81	29- 124	
Acenaphthene	50.0	38.6	77	39- 118	
4-Nitrophenol	75.0	54.3	72	19- 144	
2,4-Dinitrotoluene	50.0	36.0	72	47- 131	
Pentachlorophenol	75.0	75.5	101	10- 140	
Pyrene	50.0	39.0	78	46- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

668 42

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DJ225101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: D0821005.

Lot Number: COH150146

Date Analyzed: 08/21/00

Time Analyzed: 14:37

Matrix: WATER

Date Extracted: 08/16/00

GC Column: HP5MS ID: .25

Extraction Method: 3520C

Instrument ID: 721

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/S1/0227/IDW/003	DHV7M102	D0821008.	08/21/00	16:19
02	CHECK SAMPLE	DJ225102 C	D0821006.	08/21/00	15:19
03	DUPLICATE CHECK	DJ225103 L	D0821007.	08/21/00	15:49
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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COMMENTS:

FORM IV

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	20	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH170000 354

Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10	U
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

668 46 SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DJD4V101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: F0825001.

Lot Number: C0H150146

Date Analyzed: 08/25/00

Time Analyzed: 15:22

Matrix: WATER

Date Extracted:08/23/00

GC Column: CAP

ID: .25

Extraction Method: 3520C

Instrument ID: 722

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/S1/0227/IDW/003	DHV7M202	F0828001.	08/28/00	08:19
02	CHECK SAMPLE	DJD4V102 C	F0825002.	08/25/00	15:56
03	DUPLICATE CHECK	DJD4V103 L	F0825003.	08/25/00	16:30
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COMMENTS:

FORM IV

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: C0H240000 329
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 08/22/00
Work Order: DJD4V101 Date Extracted: 08/23/00
Dilution factor: 1 Date Analyzed: 08/25/00
Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	20	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER

Lab Sample ID: COH240000 329

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V101

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH240000 329

Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V101

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CONCENTRATION UNITS:				
CAS NO.	COMPOUND	(ug/L or ug/kg)	ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10		U
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

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID (Standard): D0821CCC

Date Analyzed: 08/21/00

Instrument ID: 721

Time Analyzed: 1207

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	141728	4.62	471489	5.84	256912	8.41
UPPER LIMIT	283456	5.12	942978	6.34	513824	8.91
LOWER LIMIT	70864	4.12	235745	5.34	128456	7.91
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	96356	4.62	331171	5.84	186500	8.42
02 LCS	94092	4.62	315741	5.84	171543	8.41
03 LCSD	103753	4.62	358484	5.84	194567	8.41
04 DF/S1/0227/I	118358	4.63	431992	5.86	221683	8.45
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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

668 51

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID (Standard): D0821CCC

Date Analyzed: 08/21/00

Instrument ID: 721

Time Analyzed: 1207

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	459169	11.29	377055	17.13	315036	20.10
UPPER LIMIT	918338	11.79	754110	17.63	630072	20.60
LOWER LIMIT	229585	10.79	188528	16.63	157518	19.60
=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	324404	11.30	380826	17.15	313357	20.11
02 LCS	308780	11.30	381758	17.14	282595	20.11
03 LCSD	340227	11.30	406572	17.14	304947	20.11
04 DF/S1/0227/I	401027	11.36	453668	17.21	206598	20.14
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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.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08250C5

Date Analyzed: 08/25/00

Instrument ID: 722

Time Analyzed: 1447

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	98536	5.13	356242	6.68	225157	9.74
UPPER LIMIT	197072	5.63	712484	7.18	450314	10.24
LOWER LIMIT	49268	4.63	178121	6.18	112579	9.24
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	121392	5.12	510486	6.66	318852	9.72
02 INTRA-LAB CH	99947	5.12	405763	6.67	248884	9.73
03 INTRA-LAB CH	93082	5.12	395037	6.67	242950	9.73
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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

668 53

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08250C5

Date Analyzed: 08/25/00

Instrument ID: 722

Time Analyzed: 1447

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	440802	13.06	431864	19.72	276584	23.09
UPPER LIMIT	881604	13.56	863728	20.22	553168	23.59
LOWER LIMIT	220401	12.56	215932	19.22	138292	22.59
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	548249	13.03	421068	19.67	266543	23.04
02 INTRA-LAB CH	464967	13.04	439609	19.69	293344	23.06
03 INTRA-LAB CH	453286	13.05	402794	19.69	269297	23.06
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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.

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08280C1

Date Analyzed: 08/28/00

Instrument ID: 722

Time Analyzed: 0741

	IS1 (DCB)	RT #	IS2 (NPT)	RT #	IS3 (ANT)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	84014	5.09	324926	6.64	203632	9.69
UPPER LIMIT	168028	5.59	649852	7.14	407264	10.19
LOWER LIMIT	42007	4.59	162463	6.14	101816	9.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 DF/S1/0227/I	76575	5.09	324118	6.63	180854	9.68
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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

668 55

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08280C1

Date Analyzed: 08/28/00

Instrument ID: 722

Time Analyzed: 0741

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	406676	13.00	238068	19.65	164335	23.02
UPPER LIMIT	813352	13.50	476136	20.15	328670	23.52
LOWER LIMIT	203338	12.50	119034	19.15	82168	22.52
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 DF/S1/0227/I	321201	13.01	344105	19.66	287323	23.02
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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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M103

Date Extracted: 08/16/00

Dilution factor: 10

Date Analyzed: 08/23/00

QC Batch: 0229480

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.089	J P
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
72-54-8	4,4'-DDD	0.50	U
72-55-9	4,4'-DDE	0.50	U
50-29-3	4,4'-DDT	0.50	U
60-57-1	Dieldrin	0.50	U
959-98-8	Endosulfan I	0.50	U
33213-65-9	Endosulfan II	0.50	U
1031-07-8	Endosulfan sulfate	0.50	U
72-20-8	Endrin	0.50	U
7421-93-4	Endrin aldehyde	0.50	U
53494-70-5	Endrin ketone	0.50	U
76-44-8	Heptachlor	0.14	J P
1024-57-3	Heptachlor epoxide	0.065	J P
72-43-5	Methoxychlor	1.0	U
8001-35-2	Toxaphene	20	U

668 58

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 480

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KC102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.222	
58-89-9	gamma-BHC (Lindane)	0.227	
50-29-3	4,4'-DDT	0.478	
60-57-1	Dieldrin	0.465	
72-20-8	Endrin	0.433	
76-44-8	Heptachlor	0.228	

FORM I

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 480

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KC103

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
309-00-2	Aldrin	0.239	
58-89-9	gamma-BHC (Lindane)	0.244	
50-29-3	4,4'-DDT	0.514	
60-57-1	Dieldrin	0.506	
72-20-8	Endrin	0.468	
76-44-8	Heptachlor	0.246	

668 60

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

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	PBLK9480	95	95	101	104			0
02	LCS9480	92	94	98	101			0
03	LCD9480	98	99	103	107			0
04	DF/S1/0227/I	~~01600*~~	~~0166*~~	~~0112*~~	~~010*~~			~~23~~
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
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21								
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23								
24								
25								
26								
27								
28								
29								
30								

um
8/30/00

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (20-141) 39-130
 S2 (DCB) = Decachlorobiphenyl (63-130) 10-147

um
8/30/00

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

SW846 8081A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

668 61

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KC102

BATCH: 0229480

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	0.250	0.227	91	49 - 137	
Heptachlor	0.250	0.228	91	57 - 124	
Aldrin	0.250	0.222	89	62 - 120	
Dieldrin	0.500	0.465	93	68 - 130	
Endrin	0.500	0.433	87	46 - 137	
4,4'-DDT	0.500	0.478	96	60 - 140	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

668 62

SW846 8081A CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KC103

BATCH: 0229480

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	0.250	0.244	98	49 - 137	
Heptachlor	0.250	0.246	98	57 - 124	
Aldrin	0.250	0.239	96	62 - 120	
Dieldrin	0.500	0.506	101	68 - 130	
Endrin	0.500	0.468	94	46 - 137	
4,4'-DDT	0.500	0.514	103	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

668 63
EPA SAMPLE NO.

PBLK9480

Lab Name:		Contract:	
Lab Code:	Case No.:	SAS No.:	SDG No.: COH150146
Lab Sample ID: DJ0KC101		Lab File ID: D-A5498	
Matrix (soil/water) WATER		Extraction: (SepF/Cont/Sonc) SW3510	
Sulfur Cleanup (Y/N) N		Date Extracted: 08/16/00	
Date Analyzed (1): 08/19/00		Date Analyzed (2): 08/19/00	
Time Analyzed (1): 0206		Time Analyzed (2): 0206	
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	LCS9480	DJ0KC102	08/19/00	08/19/00
02	LCD9480	DJ0KC103	08/19/00	08/19/00
03	DF/S1/0227/I	DHV7M103	08/23/00	08/23/00
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: COH160000 480

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJOKC101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: INTRA-LAB BLANK

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	0.050	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: COH150146 001

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M104

Date Extracted: 08/16/00

Dilution factor: 10

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0229481

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	10	U
11104-28-2	Aroclor 1221	10	U
11141-16-5	Aroclor 1232	10	U
53469-21-9	Aroclor 1242	10	U
12672-29-6	Aroclor 1248	10	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	10	U

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

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

Matrix: (soil/water) WATER

Lab Sample ID: C0H160000 481

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KD102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0229481

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
12674-11-2	Aroclor 1016	8.16	
11096-82-5	Aroclor 1260	9.19	

668 68

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H160000 481

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KD103

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0229481

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	8.02	
11096-82-5	Aroclor 1260	8.99	

FORM I

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT QESSDG:

Lot #: C0H150146

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	DF/S1/0227/IDW/003	0 D	0 D	02
02	METHOD BLK. DJ0KD101	88	86	00
03	LCS DJ0KD102	81	84	00
04	LCSD DJ0KD103	79	82	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

668 70 SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KD102

BATCH: 0229481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.16	82	61 - 118	
Aroclor 1260	10.0	9.19	92	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 #: COH160000

WO #: DJOKD103

BATCH: 0229481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.02	80	61 - 118	
Aroclor 1260	10.0	8.99	90	61 - 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

DJ0KD101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: H-A50394.

Lot Number: C0H150146

Matrix: WATER

Extraction Method:

Date Extracted: 08/16/00

Date Analyzed(1): 08/21/00

Date Analyzed(2): N/A

Time Analyzed(1): 11:40

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/S1/0227/IDW/003	DHV7M104	08/21/00	N/A
02	CHECK SAMPLE	DJ0KD102 C	08/21/00	N/A
03	DUPLICATE CHECK	DJ0KD103 L	08/21/00	N/A
04				
05				
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07				
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19				
20				

COMMENTS:

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 481

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KD101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0229481

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
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

668 74

HERBICIDE SUMMARY

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M112

Date Extracted: 08/16/00

Dilution factor: 10

Date Analyzed: 08/24/00

Moisture %: NA

QC Batch: 0229485

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
94-75-7	2,4-D	40		U
93-72-1	2,4,5-TP (Silvex)	10		U

FORM I

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 485

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJOKL102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/24/00

Moisture %: NA

QC Batch: 0229485

Client Sample Id: CHECK SAMPLE

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
94-75-7	2,4-D	12.9	
93-72-1	2,4,5-TP (Silvex)	3.13	
93-76-5	2,4,5-T	3.14	
87-86-5	Pentachlorophenol	1.64	

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 485

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KL103

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/24/00

Moisture %: NA

QC Batch: 0229485

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
94-75-7	2,4-D	12.3	
93-72-1	2,4,5-TP (Silvex)	3.18	
93-76-5	2,4,5-T	3.10	
87-86-5	Pentachlorophenol	1.72	

668 78

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

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	DF/S1/0227/I	0D	77D					95
02	LCS		95					0
03	LCSD		95					0
04	PBLK	80	88					0
05								
06								
07								
08								
09								
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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

SW846 8151A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KL102

BATCH: 0229485

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
2,4-D	16.0	12.9	81	46 - 124	
2,4,5-TP (Silvex)	4.00	3.13	78	53 - 127	
2,4,5-T	4.00	3.14	78	40 - 126	
Pentachlorophenol	2.00	1.64	82	30 - 125	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III

668 80 SW846 8151A CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KL103

BATCH: 0229485

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
2,4-D	16.0	12.3	77	46 - 124	
2,4,5-TP (Silvex)	4.00	3.18	80	53 - 127	
2,4,5-T	4.00	3.10	78	40 - 126	
Pentachlorophenol	2.00	1.72	86	30 - 125	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III

4C
PESTICIDE METHOD BLANK SUMMARY

668 81
EPA SAMPLE NO.

PBLK

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

Lab Sample ID: DJ0KL101

Lab File ID: A-A50327

Matrix (soil/water) WATER

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

Sulfur Cleanup (Y/N) N

Date Extracted: 08/16/00

Date Analyzed (1): 08/24/00

Date Analyzed (2): 08/24/00

Time Analyzed (1): 1625

Time Analyzed (2): 1654

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	DF/S1/0227/I	DHV7M112	08/24/00	08/24/00
02	LCS	DJ0KL102		08/24/00
03	LCSD	DJ0KL103		08/24/00
04				
05				
06				
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24				
25				
26				

COMMENTS:

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 485

Method: SW846 8151A

Herbicides (8151A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KL101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/24/00

Moisture %: NA

QC Batch: 0229485

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

METALS SUMMARY

Metals Data Reporting Form

Sample Results

Lab Sample ID: DHV7M Client ID: DF/S1/0227/IDW/003
Matrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093
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	0.46		1	CVAA	8/16/00	11:05

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: DHV7M Client ID: DF/S1/0227/IDW/003
 Matrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140
 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	1120		1	ICP	8/18/00	11:20
Antimony	220.35	1.5	60.0	10.2	B	1	ICPST	8/18/00	10:28
Arsenic	189.04	2.6	10.0	6.4	B	1	ICPST	8/18/00	10:28
Barium	493.41	0.41	200	176	B	1	ICP	8/18/00	11:20
Beryllium	313.04	0.071	5.0	0.090	B	1	ICP	8/18/00	11:20
Cadmium	226.50	0.49	5.0	0.66	B	1	ICPST	8/18/00	10:28
Calcium	317.93	37.9	5000	42900		1	ICP	8/18/00	11:20
Chromium	267.72	1.0	10.0	52.4		1	ICPST	8/18/00	10:28
Cobalt	228.62	3.2	50.0	3.2	U	1	ICP	8/18/00	11:20
Copper	324.75	2.2	25.0	30.1		1	ICP	8/18/00	11:20
Iron	259.94	8.8	100	1410		1	ICP	8/18/00	11:20
Lead	220.35	1.9	3.0	12.4		1	ICPST	8/18/00	10:28
Magnesium	279.08	19.9	5000	12500		1	ICP	8/18/00	11:20
Manganese	257.61	0.87	15.0	169		1	ICP	8/18/00	11:20
Nickel	231.60	6.1	40.0	8.7	B	1	ICP	8/18/00	11:20
Potassium	766.49	496	5000	4070	B	1	ICP	8/18/00	11:20
Selenium	220.35	2.1	5.0	2.1	U	1	ICPST	8/18/00	10:28
Silver	328.07	0.94	10.0	1.4	B	1	ICPST	8/18/00	10:28
Sodium	589	72.5	25000	1020000		5	ICP	8/18/00	11:41
Thallium	190.86	3.9	10.0	5.6	B	1	ICPST	8/18/00	10:28
Vanadium	292.40	1.8	50.0	2.8	B	1	ICP	8/18/00	11:20
Zinc	213.86	3.1	20.0	188		1	ICP	8/18/00	11:20

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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

Form 1 Equivalent

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAAUnits: ug/LChart Number: 0816HGA.PRN

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	ICBI 8/16/00 9:49 AM							
			Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.0	U						

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00818A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	ICB1 8/18/00 6:26 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	0.1	U						
Calcium	317.933	5000	89.8	B						
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	4.8	B						

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPSTUnits: ug/LChart Number: T00818A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	ICBI 8/18/00 7:34 AM		Found	Q	Found	Q	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	10	0.9	U										
Thallium	190.864	10	3.9	U										

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAAUnits: ug/LChart Number: 0816HGA.PRN

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 8/16/00 9:52 AM	CCB2 8/16/00 10:12 AM	CCB3 8/16/00 10:33 AM	CCB4 8/16/00 10:54 AM	CCB5 8/16/00 11:14 AM
			Found Q	Found Q	Found Q	Found Q	Found Q
Mercury	253.7	0.2	0.0 U	0.0 U	0.0 U	0.0 U	0.0 B

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00818A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 8/18/00 7:06 AM		CCB2 8/18/00 7:43 AM		CCB3 8/18/00 8:11 AM		CCB4 8/18/00 8:49 AM		CCB5 8/18/00 9:28 AM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	12.7	U	12.7	U	12.7	U	12.7	U	12.7	U
Barium	493.409	200	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Beryllium	313.042	5	0.2	B	0.2	B	0.3	B	0.2	B	0.2	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	U
Copper	324.754	25	2.2	U	2.2	U	2.2	U	2.2	U	2.2	U
Iron	259.94	100	8.8	U	8.8	U	8.8	U	8.8	U	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	0.9	U	0.9	U	0.9	U
Nickel	231.604	40	-7.1	B	6.1	U	6.1	U	6.1	U	6.1	U
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	14.5	U	14.5	U	14.5	U
Vanadium	292.402	50	1.8	U	-2.5	B	-2.4	B	-2.5	B	-2.5	B
Zinc	213.856	20	3.1	U	3.1	U	4.6	B	3.1	U	3.1	U

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPUnits: ug/LChart Number: J00818A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB6 8/18/00 10:06 AM	CCB7 8/18/00 10:28 AM	CCB8 8/18/00 11:08 AM	CCB9 8/18/00 11:36 AM	CCB10 8/18/00 11:57 AM
			Found Q	Found Q	Found Q	Found Q	Found Q
Aluminum	308.215	200	12.7 U	12.7 U	12.7 U	12.7 U	
Barium	493.409	200	0.4 U	0.4 U	0.4 U	0.4 U	
Beryllium	313.042	5	0.4 B	0.2 B	0.2 B	0.2 B	
Calcium	317.933	5000	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	
Copper	324.754	25	2.2 U	2.2 U	2.2 U	2.2 U	
Iron	259.94	100	8.8 U	8.8 U	8.8 U	8.8 U	
Magnesium	279.079	5000	19.9 U	19.9 U	19.9 U	19.9 U	
Manganese	257.61	15	0.9 U	0.9 U	0.9 U	0.9 U	
Nickel	231.604	40	6.1 U	6.1 U	6.1 U	6.1 U	
Potassium	766.491	5000	496.0 U	496.0 U	496.0 U	496.0 U	
Sodium	588.995	5000	24.6 B	14.5 U	14.5 U	14.5 U	14.5 U
Vanadium	292.402	50	1.8 U	-2.5 B	-2.4 B	-2.5 B	
Zinc	213.856	20	3.1 U	3.1 U	3.1 U	3.1 U	

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPSTUnits: ug/LChart Number: T00818A.ARC

Standard Source: _____

Standard ID: _____

Element	WL/ Mass	Report Limit	CCB1 8/18/00 8:26 AM		CCB2 8/18/00 9:16 AM		CCB3 8/18/00 9:53 AM		CCB4 8/18/00 10:49 AM			
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Antimony	220.353	60	1.5	U	1.5	U	1.5	U	1.5	U		
Arsenic	189.042	10	2.6	U	2.6	U	2.6	U	2.6	U		
Cadmium	226.502	5	0.5	U	0.5	U	0.5	U	0.5	U		
Chromium	267.716	10	1.0	U	1.0	U	1.0	U	1.0	B		
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U		
Selenium	220.353	5	2.1	U	2.1	U	2.1	U	2.1	U		
Silver	328.068	10	0.9	U	0.9	U	0.9	U	0.9	U		
Thallium	190.864	10	4.7	B	3.9	U	3.9	U	3.9	U		

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: DHWJ2BMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093Weight: 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	0.063	B	1	CVAA	8/16/00	11:02

Comments: Lot #: C0H150146

Version 4.10.2

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

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: DHWLVBMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140Weight: 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	8/18/00	11:14
Antimony	220.353	1.5	60.0	1.5	U	1	ICPST	8/18/00	10:20
Arsenic	189.042	2.6	10.0	2.6	U	1	ICPST	8/18/00	10:20
Barium	493.409	0.41	200	0.41	U	1	ICP	8/18/00	11:14
Beryllium	313.042	0.071	5.0	0.10	B	1	ICP	8/18/00	11:14
Cadmium	226.502	0.49	5.0	0.49	U	1	ICPST	8/18/00	10:20
Calcium	317.933	37.9	5000	37.9	U	1	ICP	8/18/00	11:14
Chromium	267.716	1.0	10.0	1.0	U	1	ICPST	8/18/00	10:20
Cobalt	228.616	3.2	50.0	3.2	U	1	ICP	8/18/00	11:14
Copper	324.754	2.2	25.0	2.2	U	1	ICP	8/18/00	11:14
Iron	259.94	8.8	100	20.1	B	1	ICP	8/18/00	11:14
Lead	220.353	1.9	3.0	1.9	U	1	ICPST	8/18/00	10:20
Magnesium	279.079	19.9	5000	19.9	U	1	ICP	8/18/00	11:14
Manganese	257.61	0.87	15.0	0.87	U	1	ICP	8/18/00	11:14
Nickel	231.604	6.1	40.0	-7.1	B	1	ICP	8/18/00	11:14
Potassium	766.491	496	5000	496	U	1	ICP	8/18/00	11:14
Selenium	220.353	2.1	5.0	2.1	U	1	ICPST	8/18/00	10:20
Silver	328.068	0.94	10.0	0.94	U	1	ICPST	8/18/00	10:20
Sodium	588.995	14.5	5000	14.5	U	1	ICP	8/18/00	11:14
Thallium	190.864	3.9	10.0	3.9	U	1	ICPST	8/18/00	10:20
Vanadium	292.402	1.8	50.0	-2.6	B	1	ICP	8/18/00	11:14
Zinc	213.856	3.1	20.0	3.1	U	1	ICP	8/18/00	11:14

Comments: Lot #: C0H150146

Version 4.10.2

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: DHV7MS
 Original Sample ID: DHV7M Client ID: DF/S1/0227/IDW/003S
 Matrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093
 Weight: NA Volume: 100 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
Mercury	253.7	0.46		1.5		1	102.2	1	1	CVAA	8/16/00	11:05	8/16/00	11:07

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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 Sample Results

Spike Sample ID: DHV7MS
 Original Sample ID: DHV7M Client ID: DF/S1/0227/IDW/003S
 Matrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140
 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	1120		3300		2000	108.9	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Antimony	220.4	10.2	B	544		500	106.8	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Arsenic	189.0	6.4	B	2070		2000	103.1	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Barium	493.4	176	B	2030		2000	92.5	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Beryllium	313.0	0.090	B	48.0		50	95.8	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Cadmium	226.5	0.66	B	47.3		50	93.2	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Calcium	317.9	42900		96200		50000	106.7	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Chromium	267.7	52.4		257		200	102.1	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Cobalt	228.6	3.2	U	474		500	94.7	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Copper	324.8	30.1		268		250	95.3	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Iron	259.9	1410		2460		1000	105.7	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Lead	220.4	12.4		544		500	106.3	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Magnesium	279.1	12500		60900		50000	96.8	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Manganese	257.6	169		651		500	96.3	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Nickel	231.6	8.7	B	481		500	94.4	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Potassium	766.5	4070	B	54000		50000	99.9	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Selenium	220.4	2.1	U	2130		2000	106.7	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Silver	328.1	1.4	B	56.3		50	109.8	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Sodium	589	1020000		1150000	NC	50000		5	5	ICP	8/18/00	11:41	8/18/00	11:47
Thallium	190.9	5.6	B	2300		2000	114.6	1	1	ICPST	8/18/00	10:28	8/18/00	10:37
Vanadium	292.4	2.8	B	474		500	94.3	1	1	ICP	8/18/00	11:20	8/18/00	11:27
Zinc	213.9	188		681		500	98.6	1	1	ICP	8/18/00	11:20	8/18/00	11:27

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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 Sample Results

Spike Sample ID: DHV7MD
 Original Sample ID: DHV7M Client ID: DF/S1/0227/IDW/003D
 Matrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093
 Weight: NA Volume: 100 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
Mercury	253.7	0.46		1.5		1	104.2	1	1	CVAA	8/16/00	11:05	8/16/00	11:09

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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 Sample Results

Spike Sample ID: DHV7MDOriginal Sample ID: DHV7MClient ID: DF/S1/0227/IDW/003DMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140Weight: 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	1120		3170		2000	102.5	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Antimony	220.4	10.2	B	524		500	102.8	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Arsenic	189.0	6.4	B	1930		2000	96.3	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Barium	493.4	176	B	1930		2000	87.5	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Beryllium	313.0	0.090	B	45.2		50	90.3	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Cadmium	226.5	0.66	B	44.6		50	87.9	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Calcium	317.9	42900		93300		50000	100.9	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Chromium	267.7	52.4		241		200	94.5	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Cobalt	228.6	3.2	U	452		500	90.5	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Copper	324.8	30.1		278		250	99.1	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Iron	259.9	1410		2400		1000	99.1	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Lead	220.4	12.4		511		500	99.7	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Magnesium	279.1	12500		58800		50000	92.6	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Manganese	257.6	169		623		500	90.8	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Nickel	231.6	8.7	B	462		500	90.6	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Potassium	766.5	4070	B	52100		50000	96.0	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Selenium	220.4	2.1	U	1990		2000	99.6	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Silver	328.1	1.4	B	52.4		50	101.9	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Sodium	589	1020000		1100000	NC	50000		5	5	ICP	8/18/00	11:41	8/18/00	11:51
Thallium	190.9	5.6	B	2150		2000	107.3	1	1	ICPST	8/18/00	10:28	8/18/00	10:41
Vanadium	292.4	2.8	B	457		500	90.9	1	1	ICP	8/18/00	11:20	8/18/00	11:30
Zinc	213.9	188		654		500	93.2	1	1	ICP	8/18/00	11:20	8/18/00	11:30

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

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

Matrix Spike Duplicate RPD Report

Matrix Spike Duplicate Sample ID: DHV7MDMatrix Spike Sample ID: DHV7MS Client ID: DF/S1/0227/IDW/003DMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093Weight: NA Volume: 100 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
Mercury	253.7	1.5		1.5		1.9 %	1	1	CVAA	8/16/00	11:07	8/16/00	11:09

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

- 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

Matrix Spike Duplicate RPD Report

Matrix Spike Duplicate Sample ID: DHV7MDMatrix Spike Sample ID: DHV7MS Client ID: DF/S1/0227/IDW/003DMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140Weight: 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	3300		3170		6.1 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Antimony	220.353	544		524		3.9 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Arsenic	189.042	2070		1930		6.8 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Barium	493.409	2030		1930		5.5 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Beryllium	313.042	48.0		45.2		5.9 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Cadmium	226.502	47.3		44.6		5.9 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Calcium	317.933	96200		93300		5.5 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Chromium	267.716	257		241		7.8 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Cobalt	228.616	474		452		4.6 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Copper	324.754	268		278		3.9 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Iron	259.94	2460		2400		6.4 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Lead	220.353	544		511		6.4 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Magnesium	279.079	60900		58800		4.5 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Manganese	257.61	651		623		5.9 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Nickel	231.604	481		462		4.1 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Potassium	766.491	54000		52100		3.9 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Selenium	220.353	2130		1990		6.9 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Silver	328.068	56.3		52.4		7.4 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Sodium	588.995	1150000	NC	1100000	NC		5	5	ICP	8/18/00	11:47	8/18/00	11:51
Thallium	190.864	2300		2150		6.6 %	1	1	ICPST	8/18/00	10:37	8/18/00	10:41
Vanadium	292.402	474		457		3.7 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30
Zinc	213.856	681		654		5.6 %	1	1	ICP	8/18/00	11:27	8/18/00	11:30

Comments: Lot #: C0H150146 Sample #: 1

Version 4.10.2

U Result is less than the MDL

Form 6 Equivalent

B Result is between MDL and RL

N Spike recovery failed

NC Percent recovery was not calculated

* Duplicate analysis RPD was not within limits

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: DHWJ2CMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229093Weight: 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	2.4	96.4		80-120	1	CVAA	8/16/00	11:03

Comments: Lot #: C0H150146

Version 4.10.2

U Result is less than the MDL

B Result is between MDL and RL

Form 7 Equivalent

668 102

STL-Pittsburgh

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: DHWLVCMatrix: Water Units: ug/L Prep Date: 8/16/00 Prep Batch: 0229140Weight: 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	1930	96.3		80-120	1	ICP	8/18/00	11:17
Antimony	220.353	500	512	102.4		80-120	1	ICPST	8/18/00	10:24
Arsenic	189.042	2000	2020	100.8		80-120	1	ICPST	8/18/00	10:24
Barium	493.409	2000	1940	97.2		80-120	1	ICP	8/18/00	11:17
Beryllium	313.042	50.0	49.4	98.8		80-120	1	ICP	8/18/00	11:17
Cadmium	226.502	50.0	48.6	97.3		80-120	1	ICPST	8/18/00	10:24
Calcium	317.933	50000	52100	104.1		80-120	1	ICP	8/18/00	11:17
Chromium	267.716	200	201	100.3		80-120	1	ICPST	8/18/00	10:24
Cobalt	228.616	500	491	98.2		80-120	1	ICP	8/18/00	11:17
Copper	324.754	250	239	95.5		80-120	1	ICP	8/18/00	11:17
Iron	259.94	1000	1040	104.4		80-120	1	ICP	8/18/00	11:17
Lead	220.353	500	514	102.8		80-120	1	ICPST	8/18/00	10:24
Magnesium	279.079	50000	49900	99.8		80-120	1	ICP	8/18/00	11:17
Manganese	257.61	500	492	98.4		80-120	1	ICP	8/18/00	11:17
Nickel	231.604	500	494	98.8		80-120	1	ICP	8/18/00	11:17
Potassium	766.491	50000	48400	96.8		80-120	1	ICP	8/18/00	11:17
Selenium	220.353	2000	2030	101.5		80-120	1	ICPST	8/18/00	10:24
Silver	328.068	50.0	51.4	102.8		80-120	1	ICPST	8/18/00	10:24
Sodium	588.995	50000	49100	98.2		80-120	1	ICP	8/18/00	11:17
Thallium	190.864	2000	2130	106.5		80-120	1	ICPST	8/18/00	10:24
Vanadium	292.402	500	486	97.3		80-120	1	ICP	8/18/00	11:17
Zinc	213.856	500	487	97.4		80-120	1	ICP	8/18/00	11:17

Comments: Lot #: C0H150146

Version 4.10.2

U Result is less than the MDL

Form 7 Equivalent

B Result is between MDL and RL

GENERAL CHEMISTRY SUMMARY

UXB INTERNATIONAL

Client Sample ID: DF/S1/0227/IDW/003

General Chemistry

Lot-Sample #....: COH150146-001 Work Order #....: DHV7M Matrix.....: WATER
Date Sampled....: 08/14/00 Date Received...: 08/15/00

<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	7.1		No Units	SW846 9040	08/15/00	0228349
		Dilution Factor: 1		MS Run #.....: 0228155		
Cyanide, Total	ND	10.0	ug/L	SW846 9012A	08/17-08/18/00	0230124
		Dilution Factor: 1		MS Run #..... :		
Flashpoint	>200		deg F	SW846 1010	08/15/00	0228379
		Dilution Factor: 1		MS Run #.....: 0228169		
Sulfide	ND	1.0	mg/L	MCAWW 376.1	08/16/00	0229177
		Dilution Factor: 1		MS Run #.....:		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C0H150146

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Cyanide, Total	ND	Work Order #: DJ0Q5101 10.0	ug/L	MB Lot-Sample #: SW846 9012A	C0H170000-124 08/17-08/18/00	0230124
		Dilution Factor: 1				
Sulfide	ND	Work Order #: DHWQ6101 1.0	mg/L	MB Lot-Sample #: MCAWW 376.1	C0H160000-177 08/16/00	0229177
		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 #....: C0H150146

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Cyanide, Total								
						WO#:DJ0Q5102-LCS/DJ0Q5103-LCSD	LCS Lot-Sample#:	C0H170000-124
	104	(85 - 145)				SW846 9012A	08/17-08/18/00	0230124
	103	(85 - 145)	1.0	(0-35)		SW846 9012A	08/17-08/18/00	0230124
						Dilution Factor: 1		
Sulfide								
						WO#:DHWQ6102-LCS/DHWQ6103-LCSD	LCS Lot-Sample#:	C0H160000-177
	94	(75 - 125)				MCAWW 376.1	08/16/00	0229177
	90	(75 - 125)	4.1	(0-20)		MCAWW 376.1	08/16/00	0229177
						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

Client Lot #...: COH150146

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	101	Work Order #: DHVJH101 (85 - 115) Dilution Factor: 1	SW846 9040	LCS Lot-Sample#: COH150000-349 08/15/00	0228349
Flashpoint	100	Work Order #: DHVNJ101 (85 - 115) Dilution Factor: 1	SW846 1010	LCS Lot-Sample#: COH150000-379 08/15/00	0228379

NOTE(S) :

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: COH150146

Work Order #....: DHTDF-SMP
DHTDF-DUP

Matrix.....: WATER

Date Sampled....: 08/14/00

Date Received...: 08/14/00

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
pH	5.2	5.3	No Units	2.1	(0-20)	SD Lot-Sample #: COH140150-001 SW846 9040	08/15/00	0228349
			Dilution Factor: 1					
			Prep Date.....: 0228155			Analysis Date..:		Prep Batch #....:

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: COH150146

Work Order #...: DHV7M-SMP
DHV7M-DUP

Matrix.....: WATER

Date Sampled...: 08/14/00

Date Received...: 08/15/00

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Flashpoint						SD Lot-Sample #: COH150146-001		
	>200	>200	deg F	0.0	(0-20)	SW846 1010	08/15/00	0228379
Dilution Factor: 1								
			Prep Date.....: 0228169	Analysis Date..:		Prep Batch #...:		

668 110

GC/MS VOLATILE DATA

**GC/MS VOLATILE
QC SUMMARY**

668 112

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0H150146

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
	=====	=====	=====	=====	=====	=====
01	INTRA-LAB QC	98	92	87	91	00
02	DF/S1/0227/IDW/003	102	95	89	98	00
03	DF/S1/0227/IDW/003 RE-1	114	104	97	106	00
04	METHOD BLK. DHTQ6101	99	101	98	95	00
05	LCS DHTQ6102	107	97	94	98	00
06	LAB MS/MSD D	106	98	93	98	00
07	LAB MS/MSD S	105	99	91	96	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 #: C0H150000

WO #: DHTQ6102'

BATCH: 0228131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	46.6	93	65- 119	
Trichloroethene	50.0	41.5	83	80- 122	
Benzene	50.0	43.2	86	79- 116	
Toluene	50.0	42.6	85	76- 119	
Chlorobenzene	50.0	42.2	84	81- 115	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

668 114 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 #: COH140112

WO #: DHRQQ10U

BATCH: 0228131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50.0	ND	47.9	96	57 - 138	
Trichloroethene	50.0	ND	42.2	84	58 - 141	
Benzene	50.0	ND	44.7	89	73 - 123	
Toluene	50.0	ND	43.9	88	67 - 129	
Chlorobenzene	50.0	ND	42.4	85	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

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 #: C0H140112

WO #: DHRQQ10V

BATCH: 0228131

COMPOUND	SPIKE	MSD	MSD	QC LIMITS			QUAL
	ADDED (ug/L)	CONCENT. (ug/L)	% REC	% RPD	RPD	REC	
1,1-Dichloroethene	50.0	47.7	95	0.52	20	57 - 138	
Trichloroethene	50.0	42.6	85	1.0	20	58 - 141	
Benzene	50.0	44.4	89	0.69	20	73 - 123	
Toluene	50.0	44.2	88	0.54	20	67 - 129	
Chlorobenzene	50.0	43.3	87	2.2	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:

668 116

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DHTQ6101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: WB30815.D

Lot Number: COH150146

Date Analyzed: 08/15/00

Time Analyzed: 06:30

Matrix: WATER

Date Extracted: 08/15/00

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 LAB MS/MSD	DHRQQ10U S	3081508.D	08/15/00	09:31
02 LAB MS/MSD	DHRQQ10V D	3081509.D	08/15/00	09:53
03 INTRA-LAB QC	DHRQQ101	3081504.D	08/15/00	08:00
04 CHECK SAMPLE	DHTQ6102 C	3081505.D	08/15/00	08:22
05 DF/S1/0227/IDW/003	DHV7M101	3081518.D	08/15/00	13:15
06 DF/S1/0227/IDW/003	DHV7M201	3081520.D	08/15/00	14:02
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)

668 117

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30810D

Lab File ID: BF30810

BFB Injection Date: 08/10/00

Instrument ID: HP3

BFB Injection Time: 0630

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	23.6
75	30.0 - 60.0% of mass 95	44.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	5.9 (7.8)1
176	95.0 - 101.0% of mass 174	74.0 (96.9)1
177	5.0 - 9.0% of mass 176	4.9 (6.7)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	CC30810	08/10/00	0656
02	VSTD5	VSTD5	1A30810	08/10/00	0754
03	VSTD20	VSTD20	1B30810	08/10/00	0817
04	VSTD100	VSTD100	1D30810	08/10/00	0839
05	VSTD200	VSTD200	1E30810	08/10/00	0906
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

668 118

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID: BF30815

BFB Injection Date: 08/15/00

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	23.3
75	30.0 - 60.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.8 (7.9)1
176	95.0 - 101.0% of mass 174	70.4 (96.7)1
177	5.0 - 9.0% of mass 176	4.5 (6.5)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	CC30815	08/15/00	0555
02	INTRA-LAB BL	DHTQ6101	WB30815	08/15/00	0630
03	INTRA-LAB CH	DHTQ6102	3081505	08/15/00	0822
04	DF/S1/0227/I	DHV7M101	3081518	08/15/00	1315
05	DF/S1/0227/I	DHV7M201	3081520	08/15/00	1402
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

668 119

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID (Standard): CC30815

Date Analyzed: 08/15/00

Instrument ID: HP3

Time Analyzed: 0555

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	170701	9.74	301296	12.06	629126	6.60
UPPER LIMIT	341402	9.94	602592	12.26	1258252	6.80
LOWER LIMIT	85351	9.54	150648	11.86	314563	6.40
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	167025	9.73	279740	12.05	629565	6.60
02 INTRA-LAB CH	162542	9.73	264072	12.05	596267	6.61
03 DF/S1/0227/I	163619	9.74	273146	12.05	614667	6.61
04 DF/S1/0227/I	152976	9.74	247097	12.06	569740	6.61
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.

668 120

**GC/MS VOLATILE
SAMPLE DATA**

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M101

Date Extracted: 08/15/00

Dilution factor: 10

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	57	J
71-43-2	Benzene	50	U
75-27-4	Bromodichloromethane	15	J
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	100	U
78-93-3	2-Butanone	25	J
75-15-0	Carbon disulfide	50	U
56-23-5	Carbon tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
124-48-1	Dibromochloromethane	50	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	7000	E
74-87-3	Chloromethane	100	U
75-34-3	1,1-Dichloroethane	50	U
107-06-2	1,2-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
100-41-4	Ethylbenzene	50	U
591-78-6	2-Hexanone	200	U
75-09-2	Methylene chloride	50	U
108-10-1	4-Methyl-2-pentanone	200	U
100-42-5	Styrene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
127-18-4	Tetrachloroethene	50	U
108-88-3	Toluene	50	U

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UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M101

Date Extracted: 08/15/00

Dilution factor: 10

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

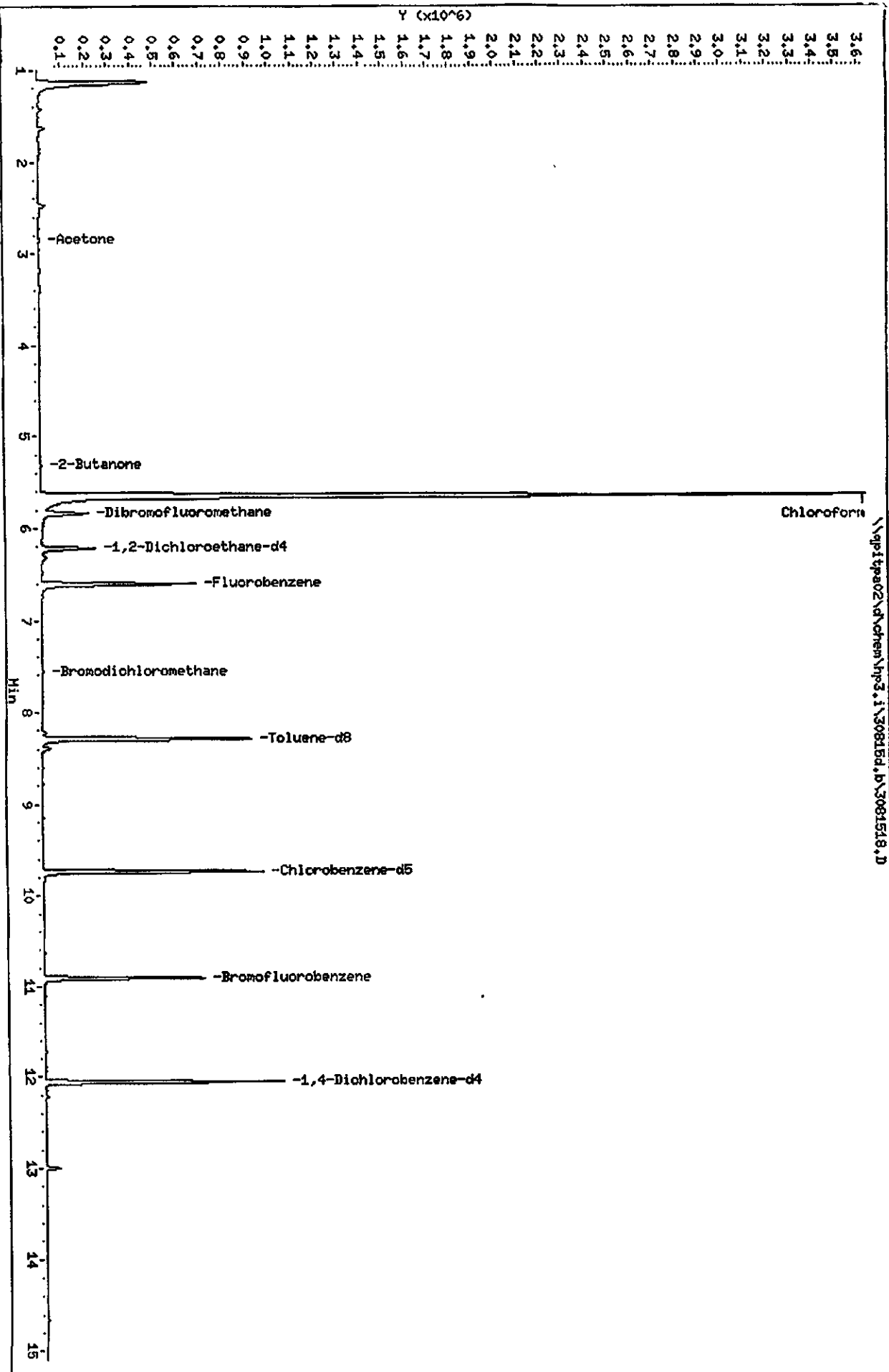
Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
71-55-6	1,1,1-Trichloroethane	50		U
79-00-5	1,1,2-Trichloroethane	50		U
79-01-6	Trichloroethene	50		U
75-01-4	Vinyl chloride	100		U
1330-20-7	Xylenes (total)	50		U

FORM I

Data File: \\pptpa02\chem\hp3.1\30815d.b\3081518.D
Date: 15-SEP-2000 13:15
Client ID: DF/SI/0227/IDM/003
Sample Info: COMB0446-001 (JHL/LOHL)/BHL
Purge Volume: 8.0
Column phase: DB 624

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



668 124

Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\3081518.D
 Report Date: 15-Aug-2000 13:50

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\3081518.D
 Lab Smp Id: DHV7M101 Client Smp ID: DF/S1/0227/IDW/003
 Inj Date : 15-AUG-2000 13:15 MS Autotune Date: 08-AUG-2000 16:28
 Operator : 10099 Inst ID: hp3.i
 Smp Info : C0H150146-001 (1ML/10ML)/5ML
 Misc Info : dhv7m101,30815d.b,8260bh2o.m,2-br.sub
 Comment :
 Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m
 Meth Date : 15-Aug-2000 07:13 gordonk Quant Type: ISTD
 Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
 Als bottle: 21
 Dil Factor: 10.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC073

KLG
8/15/00 Compound Sublist: 1-tcl.sub

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

Name	Value	Description
DF	10.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

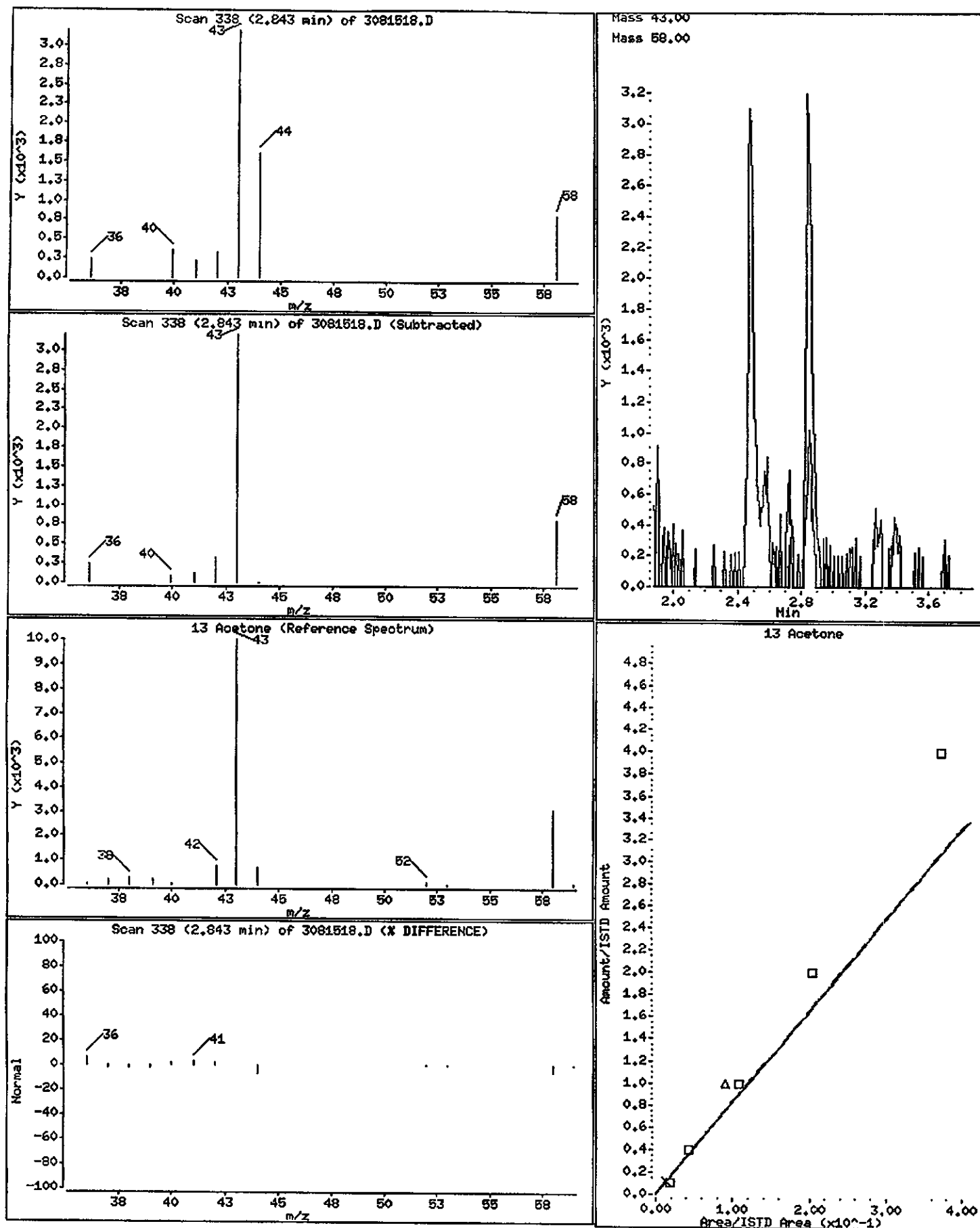
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	----	96	6.608	6.599	(1.000)	614667	250.000	
* 69 Chlorobenzene-d5		119	9.735	9.738	(1.000)	163619	250.000	
* 92 1,4-Dichlorobenzene-d4		152	12.053	12.056	(1.000)	273146	250.000	
\$ 39 Dibromofluoromethane		113	5.836	5.832	(0.883)	140848	245.701	49.14
\$ 43 1,2-Dichloroethane-d4		65	6.213	6.210	(0.940)	168386	254.791	50.96
\$ 59 Toluene-d8		98	8.293	8.290	(0.852)	581732	236.439	47.29
\$ 80 Bromofluorobenzene		95	10.909	10.906	(1.121)	228555	223.490	44.70
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	2.843	2.876	(0.430)	8496	28.4232	56.85
18 Methylene Chloride		84	Compound Not Detected.					

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 Report Date: 15-Aug-2000 13:50

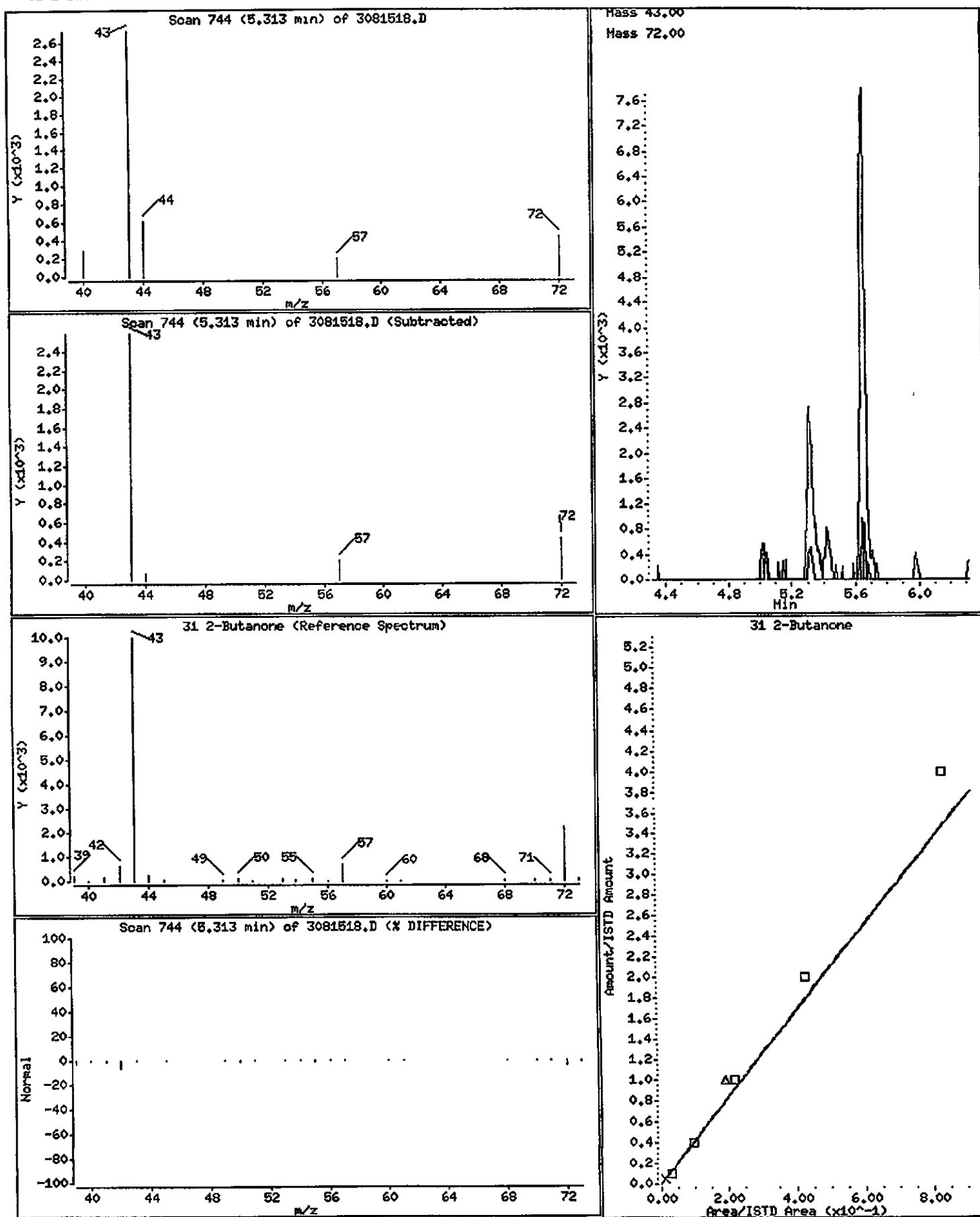
Page 12

Compounds	QUANT SIG MASS	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	5.313	5.315	(0.804)	7250	12.2832	24.57
37 Chloroform	83	5.647	5.644	(0.855)	3422912	3524.44	7049
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	7.557	7.554	(1.144)	5759	7.72951	15.46
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.		

13 Acetone

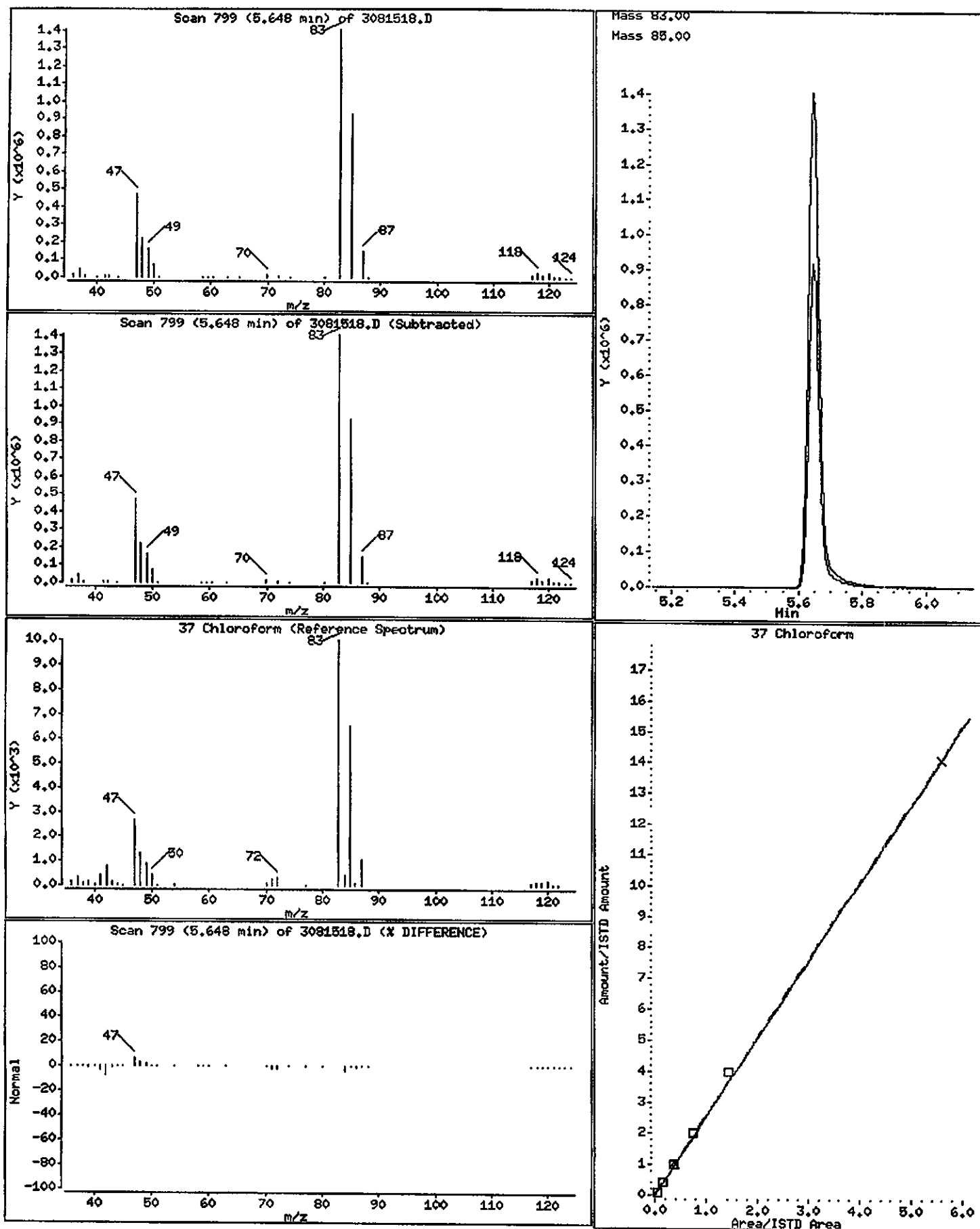


31 2-Butanone

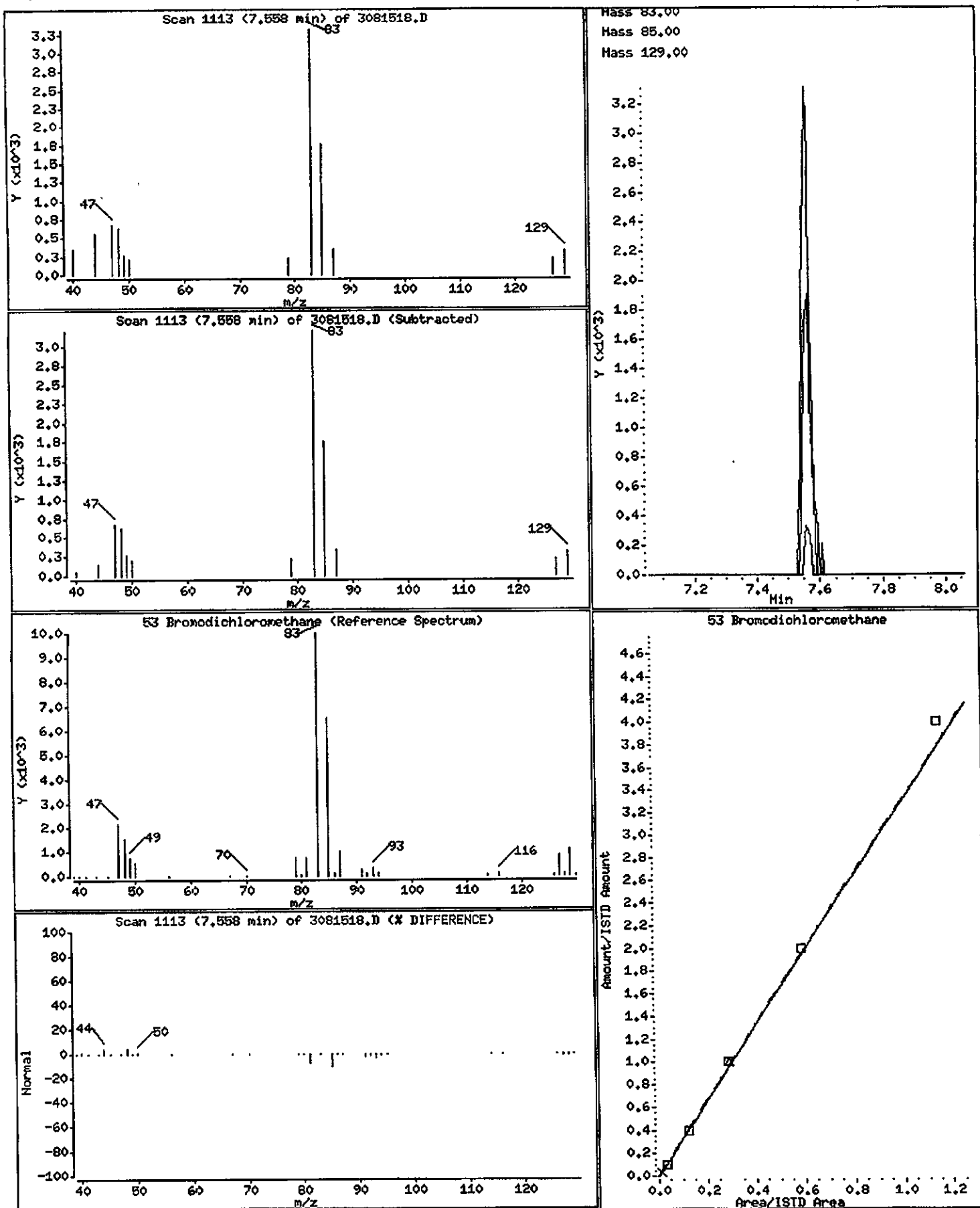


668 128

37 Chloroform



53 Bromodichloromethane



UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M201

Date Extracted: 08/15/00

Dilution factor: 50

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
67-64-1	Acetone	140		J
71-43-2	Benzene	250		U
75-27-4	Bromodichloromethane	250		U
75-25-2	Bromoform	250		U
74-83-9	Bromomethane	500		U
78-93-3	2-Butanone	1000		U
75-15-0	Carbon disulfide	250		U
56-23-5	Carbon tetrachloride	250		U
108-90-7	Chlorobenzene	250		U
124-48-1	Dibromochloromethane	250		U
75-00-3	Chloroethane	500		U
67-66-3	Chloroform	8200		
74-87-3	Chloromethane	500		U
75-34-3	1,1-Dichloroethane	250		U
107-06-2	1,2-Dichloroethane	250		U
75-35-4	1,1-Dichloroethene	250		U
540-59-0	1,2-Dichloroethene (total)	250		U
78-87-5	1,2-Dichloropropane	250		U
10061-01-5	cis-1,3-Dichloropropene	250		U
10061-02-6	trans-1,3-Dichloropropene	250		U
100-41-4	Ethylbenzene	250		U
591-78-6	2-Hexanone	1000		U
75-09-2	Methylene chloride	250		U
108-10-1	4-Methyl-2-pentanone	1000		U
100-42-5	Styrene	250		U
79-34-5	1,1,2,2-Tetrachloroethane	250		U
127-18-4	Tetrachloroethene	250		U
108-88-3	Toluene	250		U

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/15/00

Work Order: DHV7M201

Date Extracted: 08/15/00

Dilution factor: 50

Date Analyzed: 08/15/00

Moisture %: NA

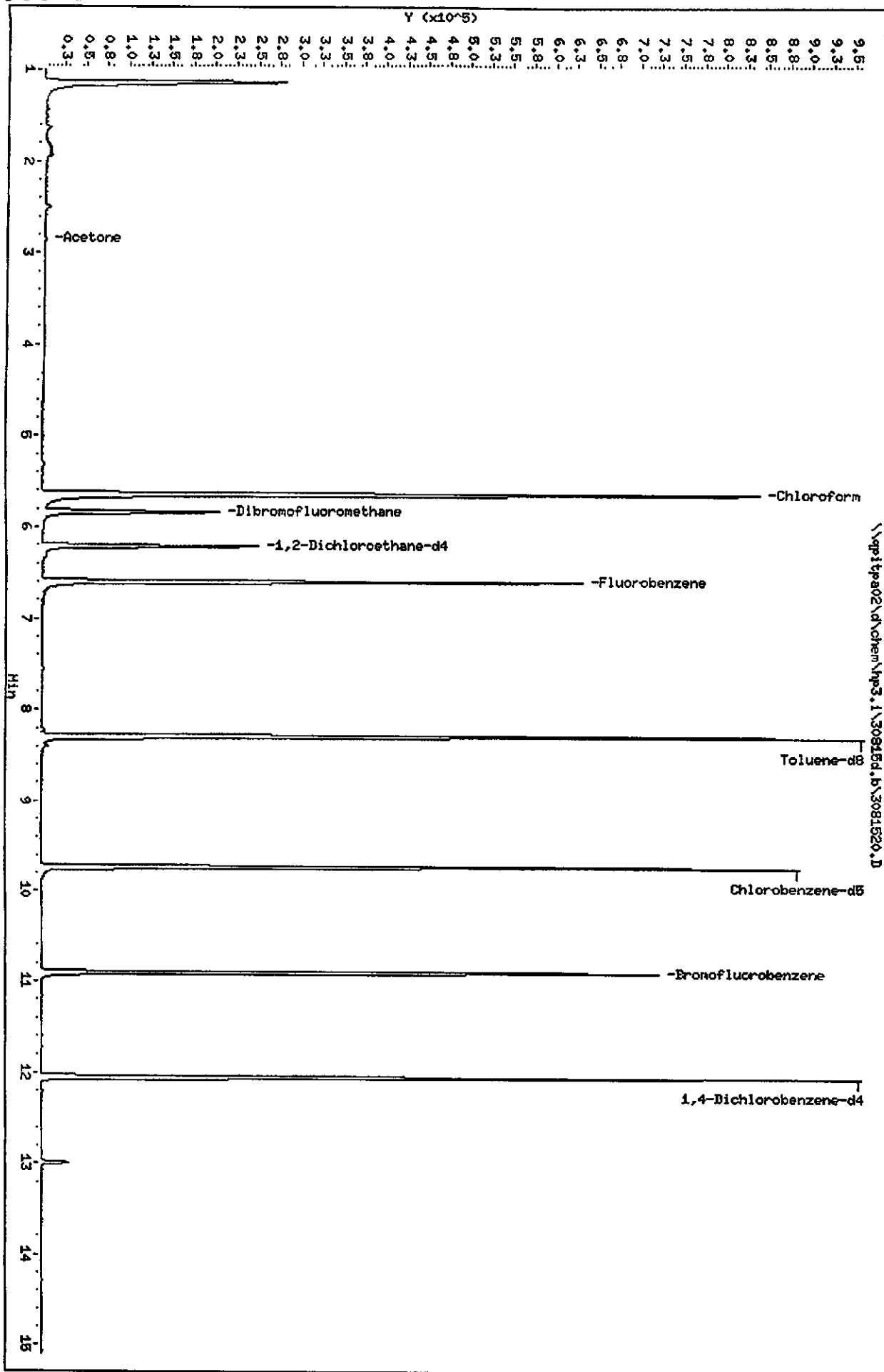
QC Batch: 0228131

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
71-55-6	1,1,1-Trichloroethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
79-01-6	Trichloroethene	250	U
75-01-4	Vinyl chloride	500	U
1330-20-7	Xylenes (total)	250	U

Data File: \\npitpa02\chem\hp3.1\30815d.b\3081520.D
Date: 15-AUG-2000 14:02
Client ID: DF/S1/0227/TIM/003
Sample Info: COH150146-001 (4ML/50HL)/BHL
Purge Volume: 5.0
Column phase: DB 624

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



Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\3081520.D
Report Date: 15-Aug-2000 14:33

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\3081520.D
Lab Smp Id: DHV7M201 Client Smp ID: DF/S1/0227/IDW/003
Inj Date : 15-AUG-2000 14:02 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : COH150146-001 (1ML/50ML)/5ML
Misc Info : dhv7m201,30815d.b,8260bh2o.m,1-tcl.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m
Meth Date : 15-Aug-2000 07:13 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
Als bottle: 23
Dil Factor: 50.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC073

Compound Sublist: 1-tcl.sub

KEG
8/15/00

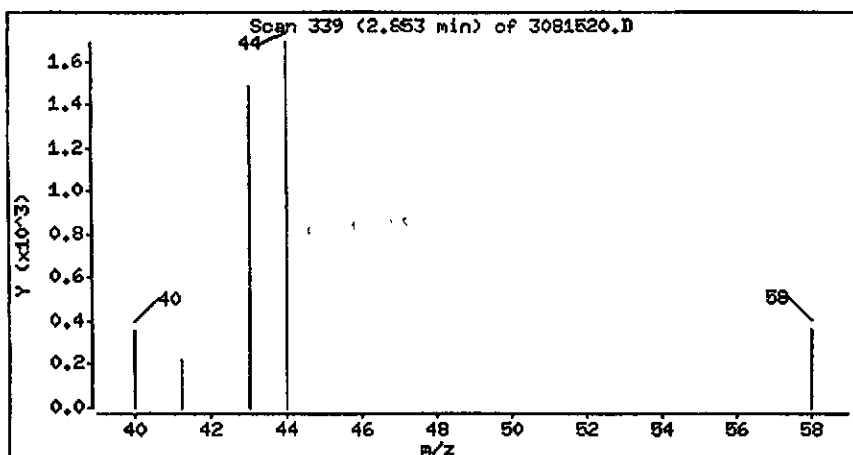
Concentration Formula: Amt * DF * 1/Vo*Vt

Name	Value	Description
DF	50.000	Dilution Factor
Vo	5.000	Sample Volume
Vt	1.000	mg/L conversion (1.0 if no conversion)

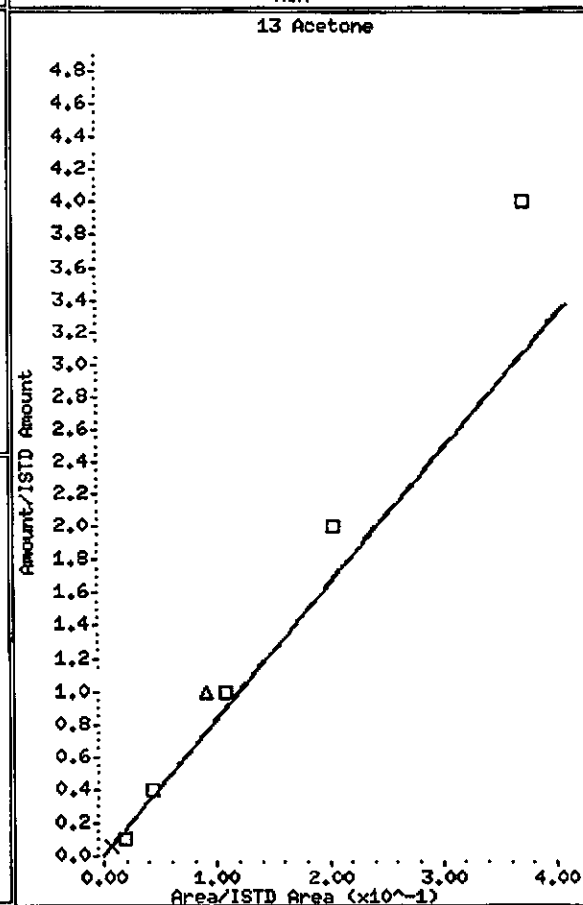
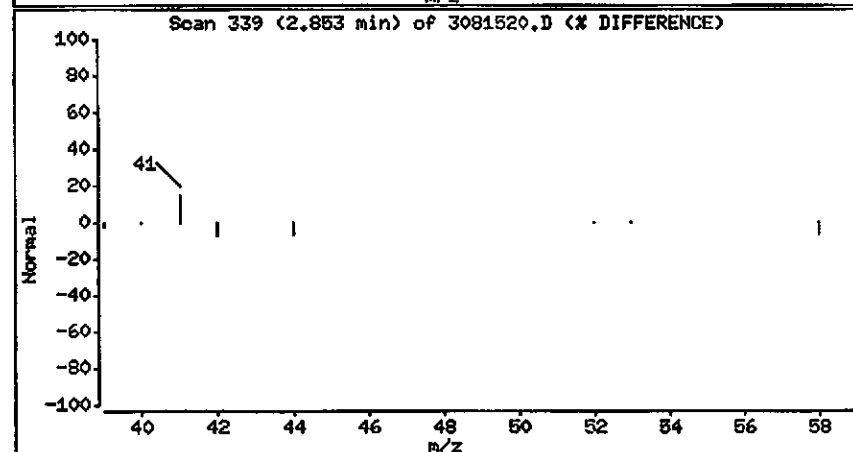
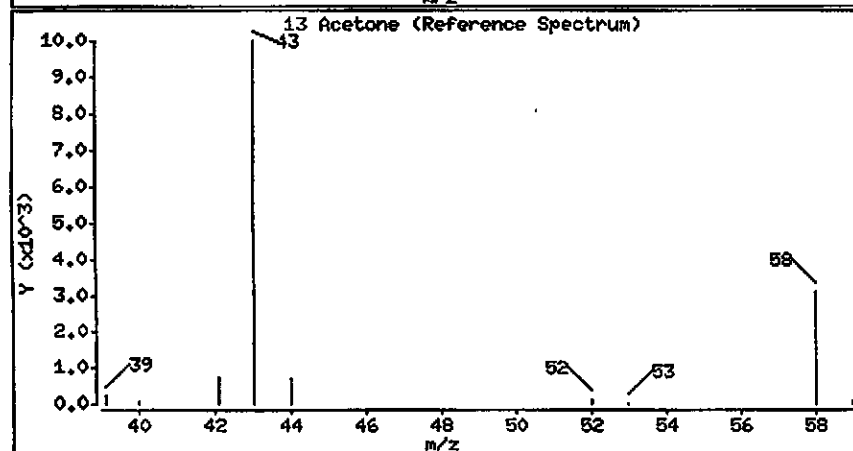
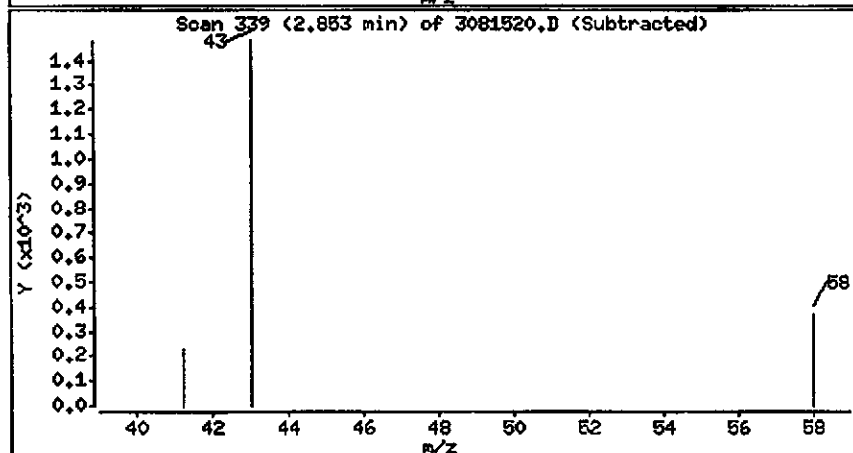
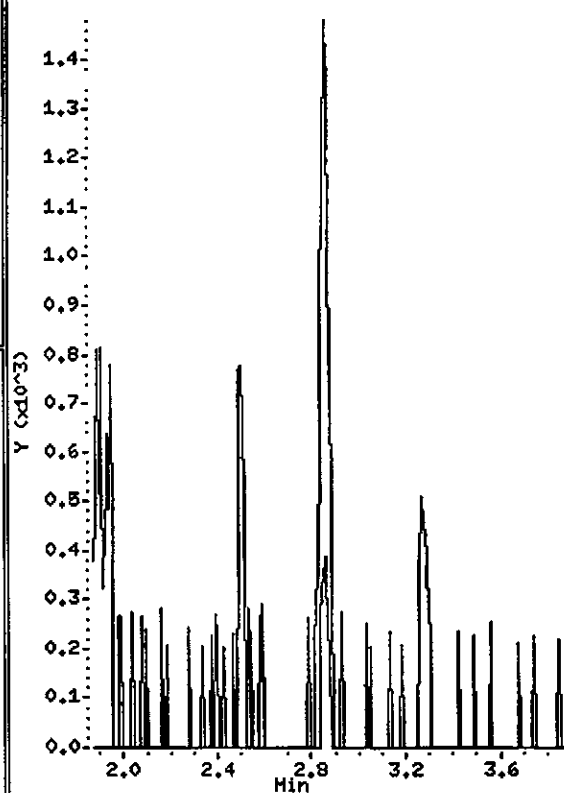
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	6.606	6.599	(1.000)	569740	250.000	
* 69 Chlorobenzene-d5	119	9.739	9.738	(1.000)	152976	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.057	12.056	(1.000)	247097	250.000	
\$ 39 Dibromofluoromethane	113	5.839	5.832	(0.884)	141229	265.793	53.16
\$ 43 1,2-Dichloroethane-d4	65	6.217	6.210	(0.941)	173913	283.905	56.78
\$ 59 Toluene-d8	98	8.291	8.290	(0.851)	600061	260.857	52.17
\$ 80 Bromofluorobenzene	95	10.907	10.906	(1.120)	231110	241.711	48.34
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	2.852	2.876	(0.432)	3769	13.6034	136.0
18 Methylene Chloride	84	Compound Not Detected.					

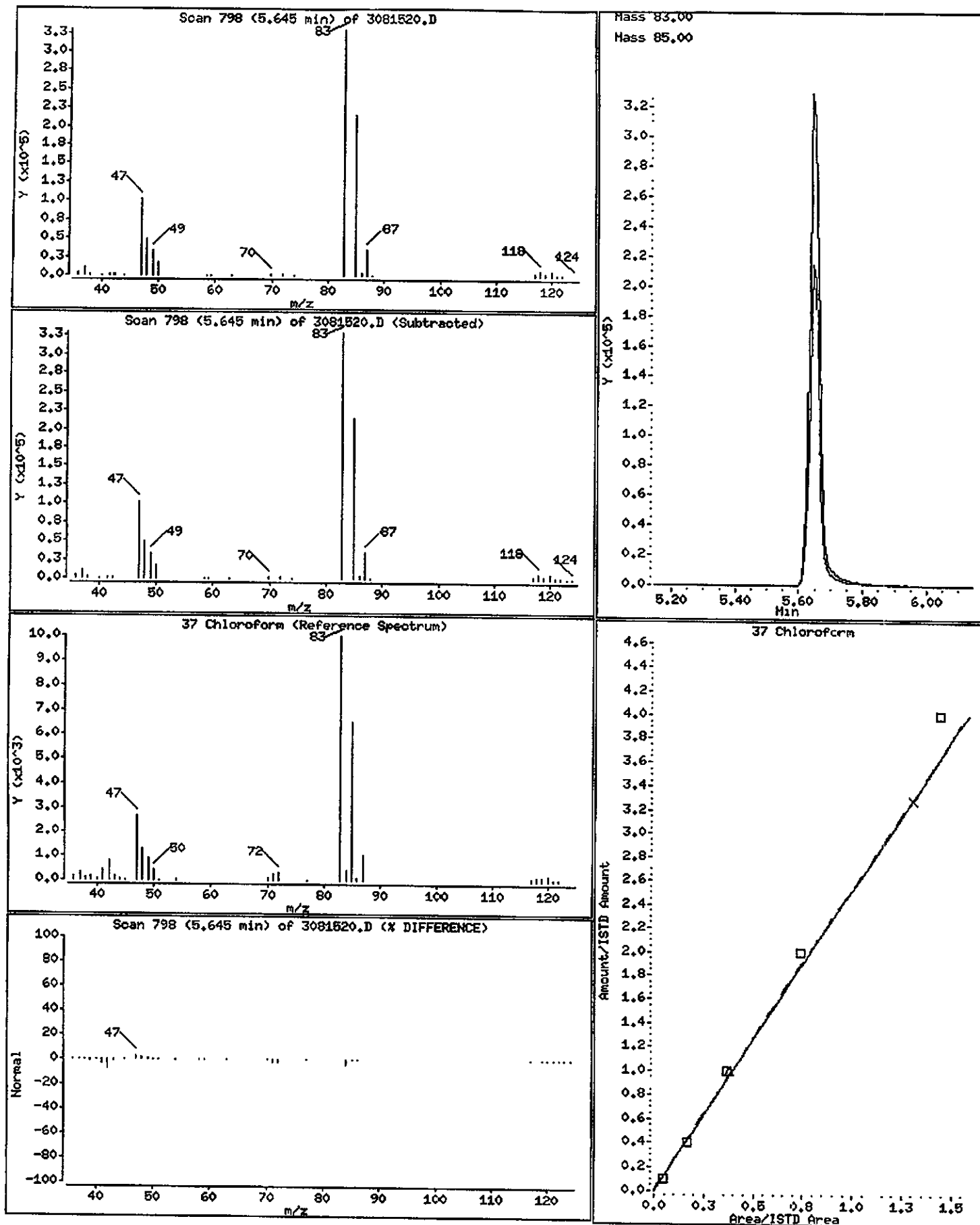
Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (UG/L)
19 trans-1,2-Dichloroethene	96							
20 Methyl tert-butyl ether	73							
24 1,1-Dichloroethane	63							
28 cis-1,2-dichloroethene	96							
M 29 1,2-Dichloroethene (total)	96							
31 2-Butanone	43							
37 Chloroform	83		5.645	5.644	(0.855)	739793	821.804	8218
38 1,1,1-Trichloroethane	97							
41 Carbon Tetrachloride	117							
42 Benzene	78							
45 1,2-Dichloroethane	62							
47 Trichloroethene	130							
49 1,2-Dichloropropane	63							
50 Dibromomethane	93							
53 Bromodichloromethane	83							
57 cis-1,3-Dichloropropene	75							
58 4-Methyl-2-Pentanone	43							
60 Toluene	91							
61 trans-1,3-Dichloropropene	75							
64 1,1,2-Trichloroethane	97							
65 Tetrachloroethene	164							
66 2-Hexanone	43							
67 Dibromochloromethane	129							
68 1,2-Dibromoethane	107							
70 Chlorobenzene	112							
72 Ethylbenzene	106							
73 m + p-Xylene	106							
74 Xylene-o	106							
M 75 Xylenes (total)	106							
76 Styrene	104							
77 Bromoform	173							
83 1,1,2,2-Tetrachloroethane	83							
84 1,2,3-Trichloropropane	110							
91 1,3-Dichlorobenzene	146							
93 1,4-Dichlorobenzene	146							
95 1,2-Dichlorobenzene	146							

13 Acetone



Mass 43.00
Mass 58.00





**GC/MS VOLATILE
CALIBRATION DATA**

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30810D

Instrument ID: HP3

Calibration Date(s): 08/10/00 08/10/00

Heated Purge: (Y/N) N

Calibration Time(s): 0656 0906

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID:		RRF5 =1A30810		RRF20 =1B30810			
RRF50 =CC30810		RRF100=1D30810		RRF200=1E30810			
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.320	0.270	0.221	0.242	0.235	0.258	15.2
Chloromethane	* 0.595	0.494	0.417	0.442	0.430	0.476	15.3*
Vinyl Chloride	0.435	0.371	0.320	0.331	0.324	0.356	13.6
Bromomethane	0.084	0.062	0.042	0.048	0.045	0.056	30.4
Chloroethane	0.082	0.069	0.058	0.061	0.059	0.066	15.5
Trichlorofluoromethane	0.379	0.297	0.109	0.118	0.119	0.204	61.4
1,1-Dichloroethene	0.198	0.163	0.144	0.150	0.153	0.162	13.3
Methylene Chloride	0.237	0.194	0.166	0.175	0.176	0.190	15.0
trans-1,2-Dichloroethene	0.206	0.175	0.160	0.164	0.166	0.174	10.8
1,1-Dichloroethane	* 0.452	0.386	0.351	0.362	0.362	0.383	10.7*
cis-1,2-dichloroethene	0.304	0.274	0.246	0.253	0.244	0.264	9.5
Chloroform	0.472	0.408	0.364	0.371	0.360	0.395	12.0
Bromochloromethane	0.152	0.135	0.120	0.124	0.122	0.131	10.2
1,1,1-Trichloroethane	0.356	0.306	0.294	0.307	0.305	0.314	7.7
Carbon Tetrachloride	0.313	0.258	0.264	0.275	0.276	0.277	7.7
1,2-Dichloroethane	0.449	0.382	0.344	0.350	0.342	0.373	12.2
Benzene	1.272	1.100	0.972	0.990	0.950	1.057	12.6
Trichloroethene	0.322	0.283	0.253	0.265	0.264	0.277	9.8
1,2-Dichloropropane	0.361	0.322	0.290	0.297	0.295	0.313	9.4
Bromodichloromethane	0.340	0.307	0.287	0.294	0.286	0.303	7.3
cis-1,3-Dichloropropene	0.395	0.382	0.355	0.374	0.364	0.374	4.1
Toluene	5.290	4.626	4.185	4.363	4.272	4.547	9.8
trans-1,3-Dichloropropene	1.508	1.403	1.332	1.454	1.484	1.436	4.9
1,1,2-Trichloroethane	1.078	0.940	0.828	0.860	0.857	0.913	11.1
Tetrachloroethene	1.397	0.950	0.832	0.854	0.857	0.978	24.4
Dibromochloromethane	0.962	0.935	0.885	0.945	0.976	0.941	3.7
Chlorobenzene	* 4.034	3.352	2.949	3.030	2.939	3.261	14.2*
Ethylbenzene	2.061	1.801	1.624	1.679	1.607	1.754	10.7
Styrene	4.357	3.821	3.339	3.427	3.201	3.629	12.9
Bromoform	* 0.628	0.604	0.597	0.644	0.671	0.629	4.8*
1,1,2,2-Tetrachloroethane	* 0.866	0.703	0.615	0.638	0.611	0.687	15.5*
1,3-Dichlorobenzene	1.902	1.517	1.374	1.459	1.447	1.540	13.6
1,4-Dichlorobenzene	2.003	1.562	1.413	1.486	1.479	1.589	15.0
1,2-Dichlorobenzene	1.827	1.410	1.247	1.277	1.230	1.398	17.9
Dibromomethane	0.173	0.157	0.139	0.141	0.135	0.149	10.5
1,2-Dibromoethane	1.134	0.971	0.861	0.926	0.934	0.965	10.6
1,1,1,2-Tetrachloroethane	1.208	1.068	0.977	1.024	1.019	1.059	8.4

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

668 140

Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\1E30810.D
Report Date: 08/10/2000

INITIAL CALIBRATION REPORT

Instrument ID: hp3.i
Lab File ID: 1E30810.D
Analysis Type: WATERInjection Date: 10-AUG-2000 09:06
Lab Sample ID: VSTD200
Method File: \\QPITPA02\D\chem\hp3.i\30810d.b

COMPOUND	%RSD
-----	-----
Xylenes (total)	10.3
1,2-Dichloroethene (total)	9.9
Dichlorodifluoromethane	15.2
Chloromethane	15.3
Vinyl Chloride	13.6
Bromomethane	30.4
Chloroethane	15.5
Trichlorofluoromethane	61.4
1,1-Dichloroethene	13.3
Carbon Disulfide	6.4
Acetone	34.2
Methylene Chloride	15.0
trans-1,2-Dichloroethene	10.8
Methyl tert-butyl ether	5.8
1,1-Dichloroethane	10.7
2,2-Dichloropropane	5.6
cis-1,2-dichloroethene	9.5
2-Butanone	19.8
Bromochloromethane	10.2
Chloroform	12.0
1,1,1-Trichloroethane	7.7
Dibromofluoromethane	5.8
Carbon Tetrachloride	7.7
1,1-Dichloropropene	9.9
1,2-Dichloroethane-d4	6.6
Benzene	12.6
1,2-Dichloroethane	12.2
Trichloroethene	9.8
1,2-Dichloropropane	9.4
Dibromomethane	10.5
Bromodichloromethane	7.3
cis-1,3-Dichloropropene	4.1
4-Methyl-2-Pentanone	9.5
Toluene-d8	3.9
Toluene	9.8
trans-1,3-Dichloropropene	4.9
1,1,2-Trichloroethane	11.1
Tetrachloroethene	24.4
1,3-Dichloropropane	11.9

INITIAL CALIBRATION REPORT

Instrument ID: hp3.i
Lab File ID: 1E30810.D
Analysis Type: WATER

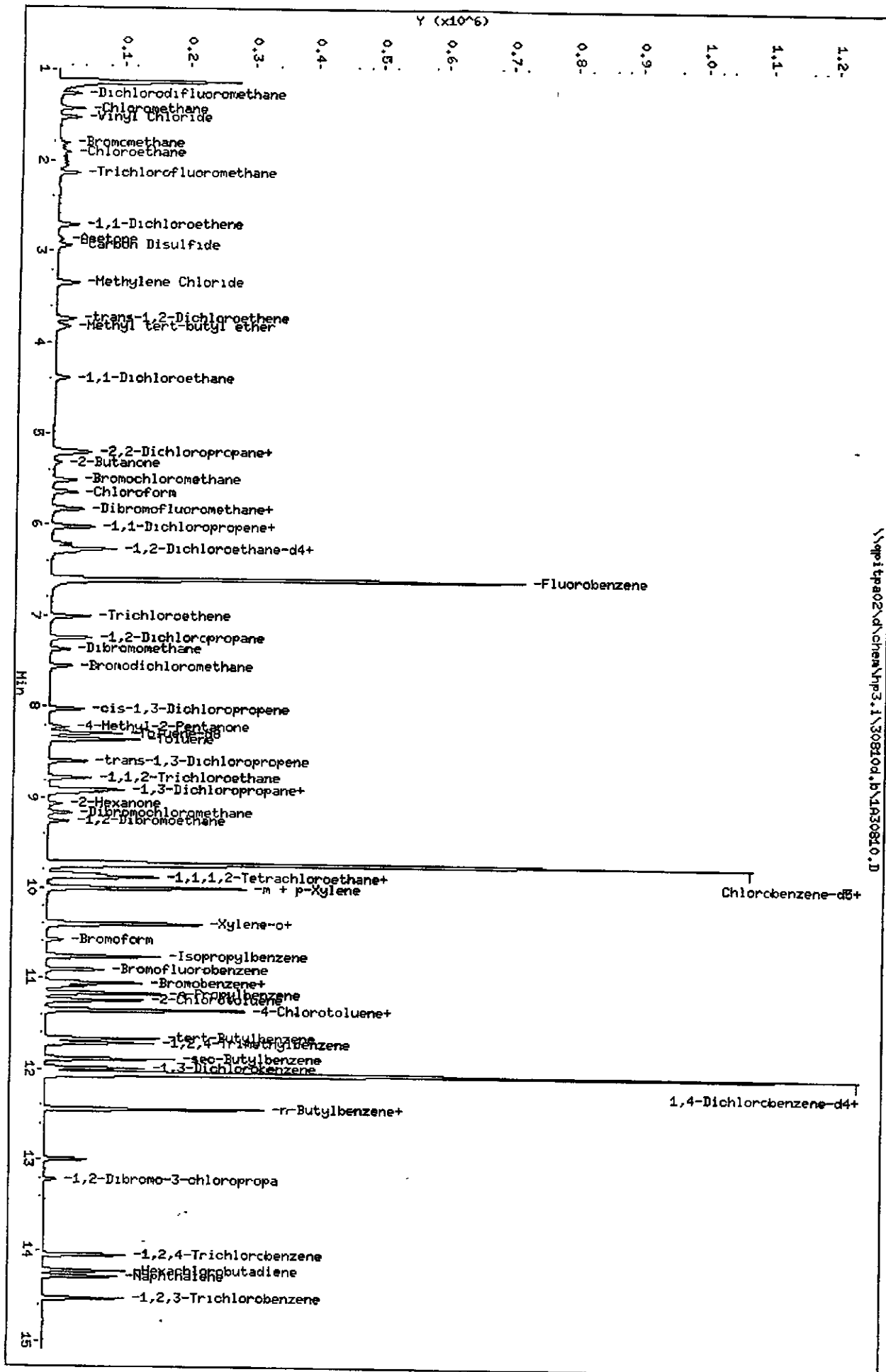
Injection Date: 10-AUG-2000 09:06
Lab Sample ID: VSTD200
Method File: \\QPITPA02\D\chem\hp3.i\30810d.b

COMPOUND	%RSD
2-Hexanone	9.5
Dibromochloromethane	3.7
1,2-Dibromoethane	10.6
Chlorobenzene	14.2
1,1,1,2-Tetrachloroethane	8.4
Ethylbenzene	10.7
m + p-Xylene	15.2
Xylene-o	10.3
Styrene	12.9
Bromoform	4.8
Isopropylbenzene	9.4
Bromofluorobenzene	5.9
Bromobenzene	11.3
1,1,2,2-Tetrachloroethane	15.5
1,2,3-Trichloropropane	12.9
n-Propylbenzene	8.8
2-Chlorotoluene	11.4
1,3,5-Trimethylbenzene	12.5
4-Chlorotoluene	14.8
tert-Butylbenzene	9.1
1,2,4-Trimethylbenzene	10.5
sec-Butylbenzene	13.3
1,3-Dichlorobenzene	13.6
4-Isopropyltoluene	12.1
1,4-Dichlorobenzene	15.0
n-Butylbenzene	16.4
1,2-Dichlorobenzene	17.9
1,2-Dibromo-3-chloropropane	8.3
1,2,4-Trichlorobenzene	17.3
Hexachlorobutadiene	27.0
Naphthalene	24.3
1,2,3-Trichlorobenzene	26.0

The average of all %RSD's in the initial calibration is 12.9

Data File: \\ppltpa02\chem\hp3.1\30810d.b\A30810.D
 Date: 10-AUG-2000 07:54
 Client ID: VSTD5
 Sample Info: VSTD5 BHL
 Purge Volume: 5.0
 Column phase: DB 624

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



Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\1A30810.D
Report Date: 10-Aug-2000 08:24

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STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30810d.b\1A30810.D
Lab Smp Id: VSTD5 Client Smp ID: VSTD5
Inj Date : 10-AUG-2000 07:54 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD5 5ML
Misc Info : ,30810d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30810d.b\8260bh2o.m
Meth Date : 10-Aug-2000 08:24 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 07:54 Cal File: 1A30810.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwh20.sub
Target Version: 4.04
Processing Host: PITPC073

KLG
8/10/00

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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6 603	6.603	(1.000)	666943	250 000		
* 69 Chlorobenzene-d5	119	9.736	9 736	(1.000)	184162	250.000		
* 92 1,4-Dichlorobenzene-d4	152	12.054	12.054	(1.000)	320253	250.000		
\$ 39 Dibromofluoromethane	113	5 843	5.843	(0.885)	15915	25.0000	25.28	
\$ 43 1,2-Dichloroethane-d4	65	6.214	6.214	(0.941)	19395	25.0000	26.27	
\$ 59 Toluene-d8	98	8.288	8.288	(0.851)	70952	25.0000	25.67	
\$ 80 Bromofluorobenzene	95	10.904	10.904	(1.120)	30401	25.0000	26.18	
1 Dichlorodifluoromethane	85	1 268	1.268	(0.192)	21320	25.0000	29.56	
2 Chloromethane	50	1.426	1 426	(0.216)	39689	25 0000	29.40	
3 Vinyl Chloride	62	1.529	1.529	(0.232)	29044	25.0000	28.81	
4 Bromomethane	94	1 815	1.815	(0 275)	5574	25 0000	33.31	
5 Chloroethane	64	1.900	1.900	(0.288)	5502	25.0000	29.32	
6 Trichlorofluoromethane	101	2.138	2 138	(0 324)	25292	25 0000	38 82	
12 1,1-Dichloroethane	96	2.716	2.716	(0.411)	13236	25.0000	28.97	
15 Carbon Disulfide	76	2 941	2.941	(0.445)	29703	25.0000	24.95	
13 Acetone	43	2.874	2.874	(0.435)	13007	25.0000	32 12	

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
-----	----	==	=====	=====	=====	=====	=====
18 Methylene Chloride	84	3.348	3.348	(0.507)	15822	25.0000	29.40
19 trans-1,2-Dichloroethene	96	3.738	3.738	(0.566)	13769	25.0000	28.19
20 Methyl tert-butyl ether	73	3.823	3.823	(0.579)	26448	25.0000	24.77
24 1,1-Dichloroethane	63	4.389	4.389	(0.665)	30170	25.0000	28.15
27 2,2-Dichloropropane	77	5.192	5.192	(0.786)	21538	25.0000	26.63
28 cis-1,2-dichloroethene	96	5.216	5.216	(0.790)	20263	25.0000	27.62
M 29 1,2-Dichloroethene (total)	96				34032	50.0000	55.70
30 Bromochloromethane	128	5.514	5.514	(0.835)	10149	25.0000	27.92
31 2-Butanone	43	5.319	5.319	(0.806)	21513	25.0000	29.92
37 Chloroform	83	5.648	5.648	(0.855)	31483	25.0000	28.24
38 1,1,1-Trichloroethane	97	5.824	5.824	(0.882)	23741	25.0000	27.37
40 1,1-Dichloropropene	75	6.031	6.031	(0.913)	20794	25.0000	28.17
41 Carbon Tetrachloride	117	6.019	6.019	(0.912)	20901	25.0000	27.12
42 Benzene	78	6.268	6.268	(0.949)	84853	25.0000	28.35
45 1,2-Dichloroethane	62	6.305	6.305	(0.955)	29973	25.0000	28.33
47 Trichloroethene	130	7.017	7.017	(1.063)	21491	25.0000	28.01
49 1,2-Dichloropropane	63	7.242	7.242	(1.097)	24059	25.0000	27.73
50 Dibromomethane	93	7.370	7.370	(1.116)	11516	25.0000	27.73
53 Bromodichloromethane	83	7.558	7.558	(1.145)	22681	25.0000	27.10
57 cis-1,3-Dichloropropene	75	8.027	8.027	(1.216)	26339	25.0000	26.32
58 4-Methyl-2-Pentanone	43	8.221	8.221	(0.844)	23486	25.0000	23.84
60 Toluene	91	8.355	8.355	(0.858)	97415	25.0000	27.92
61 trans-1,3-Dichloropropene	75	8.598	8.598	(0.883)	27782	25.0000	26.55
63 1,3-Dichloropropane	76	8.939	8.939	(0.918)	37123	25.0000	28.46
64 1,1,2-Trichloroethane	97	8.781	8.781	(0.902)	19851	25.0000	28.27
65 Tetrachloroethene	164	8.909	8.909	(0.915)	25724	25.0000	31.33
66 2-Hexanone	43	9.061	9.061	(0.931)	17428	25.0000	24.21
67 Dibromochloromethane	129	9.170	9.170	(0.942)	17727	25.0000	26.06
68 1,2-Dibromoethane	107	9.261	9.261	(0.951)	20891	25.0000	28.42
70 Chlorobenzene	112	9.766	9.766	(1.003)	74297	25.0000	28.88
71 1,1,1,2-Tetrachloroethane	131	9.852	9.852	(1.012)	22254	25.0000	27.64
72 Ethylbenzene	106	9.882	9.882	(1.015)	37956	25.0000	27.96
73 m + p-Xylene	106	10.004	10.004	(1.027)	97582	50.0000	57.49
74 Xylene-o	106	10.393	10.393	(1.067)	43072	25.0000	27.65
M 75 Xylenes (total)	106				140654	25.0000	90.29
76 Styrene	104	10.405	10.405	(1.069)	80235	25.0000	28.30
77 Bromoform	173	10.582	10.582	(1.087)	11560	25.0000	25.63
78 Isopropylbenzene	105	10.758	10.758	(1.105)	111354	25.0000	27.63
79 Bromobenzene	156	11.050	11.050	(0.917)	29592	25.0000	28.39
81 n-Propylbenzene	120	11.172	11.172	(0.927)	32422	25.0000	27.75
82 2-Chlorotoluene	126	11.245	11.245	(0.933)	29526	25.0000	28.40
83 1,1,2,2-Tetrachloroethane	83	11.062	11.062	(0.918)	27727	25.0000	29.23
84 1,2,3-Trichloropropane	110	11.093	11.093	(0.920)	9057	25.0000	29.05
85 4-Chlorotoluene	126	11.354	11.354	(0.942)	30988	25.0000	28.88
86 1,3,5-Trimethylbenzene	105	11.348	11.348	(0.941)	96934	25.0000	28.45
87 tert-Butylbenzene	119	11.671	11.671	(0.968)	81409	25.0000	27.77
88 1,2,4-Trimethylbenzene	105	11.719	11.719	(0.972)	97387	25.0000	28.16

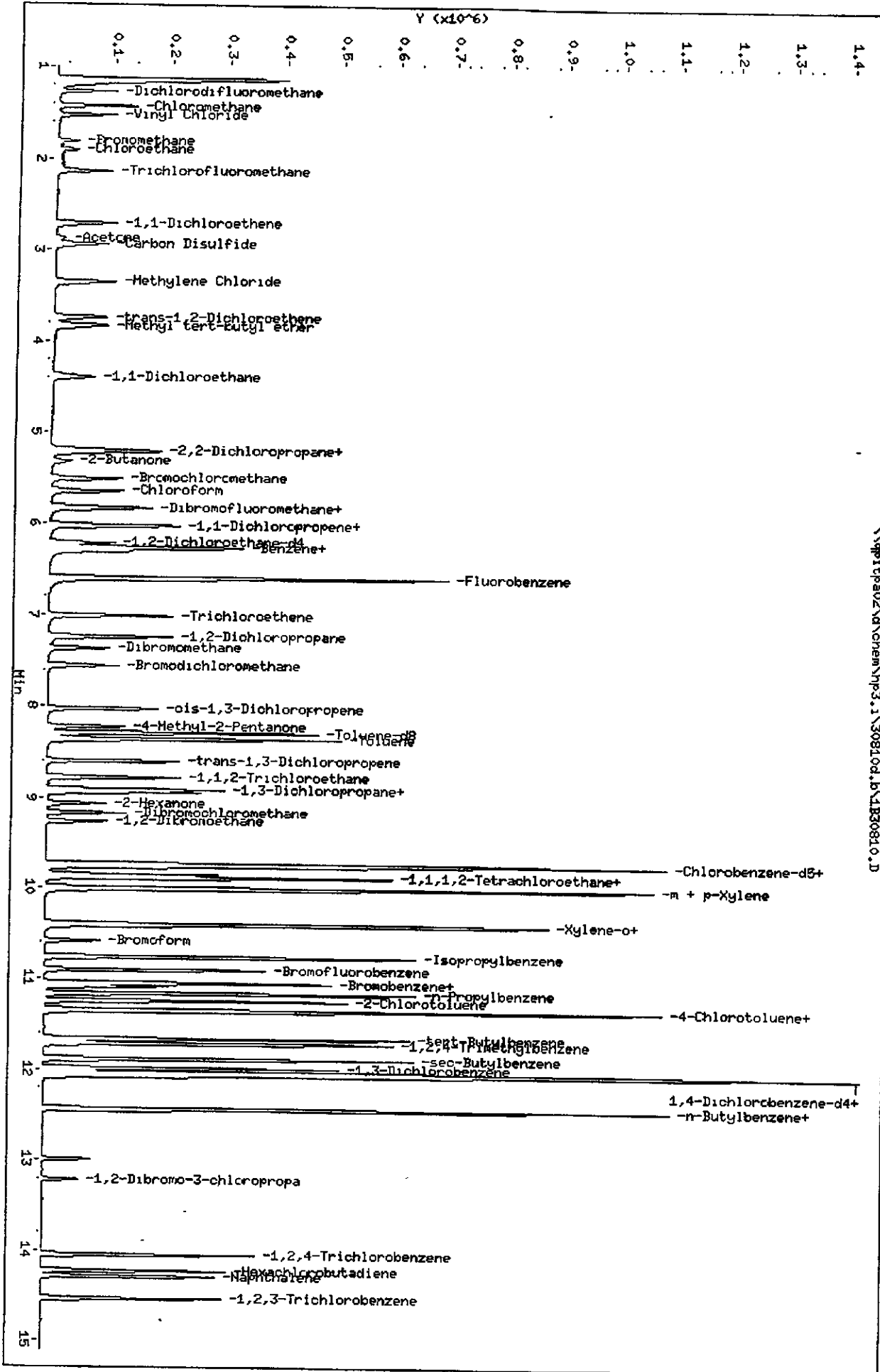
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 Report Date: 10-Aug-2000 08:24

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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ng)	(ng)
=====	=====	==	=====	=====	=====	=====	=====
89 sec-Butylbenzene	105	11.883	11.883	(0.986)	133239	25.0000	28.71
90 4-Isopropyltoluene	119	12.036	12.036	(0.998)	109629	25.0000	28.49
91 1,3-Dichlorobenzene	146	11.987	11.987	(0.994)	60930	25.0000	29.03
93 1,4-Dichlorobenzene	146	12.078	12.078	(1.002)	64153	25.0000	29.32
94 n-Butylbenzene	91	12.443	12.443	(1.032)	100128	25.0000	29.25
95 1,2-Dichlorobenzene	146	12.443	12.443	(1.032)	58504	25.0000	29.72
96 1,2-Dibromo-3-chloropropane	157	13.216	13.216	(1.096)	4483	25.0000	27.49
97 1,2,4-Trichlorobenzene	180	14.049	14.049	(1.166)	36980	25.0000	29.97
98 Hexachlorobutadiene	225	14.226	14.226	(1.180)	22187	25.0000	31.55
99 Naphthalene	128	14.286	14.286	(1.185)	77372	25.0000	32.01
100 1,2,3-Trichlorobenzene	180	14.530	14.530	(1.205)	36176	25.0000	31.80

Data File: \\ppltpa02\chem\hp3.1\30810d.b\1B30810.D
 Date: 10-AUG-2000 08:17
 Client ID: VSTD20
 Sample Info: VSTD20 BHL
 Purge Volume: 5.0
 Column phase: DB 624

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



Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\1B30810.D
Report Date: 10-Aug-2000 08:48

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method
Data file : \\qpitpa02\d\chem\hp3.i\30810d.b\1B30810.D
Lab Smp Id: VSTD20 Client Smp ID: VSTD20
Inj Date : 10-AUG-2000 08:17 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD20 5ML
Misc Info : ,30810d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30810d.b\8260bh2o.m
Meth Date : 10-Aug-2000 08:47 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 08:17 Cal File: 1B30810.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwh20.sub
Target Version: 4.04
Processing Host: PITPC073

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8/10/00

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)

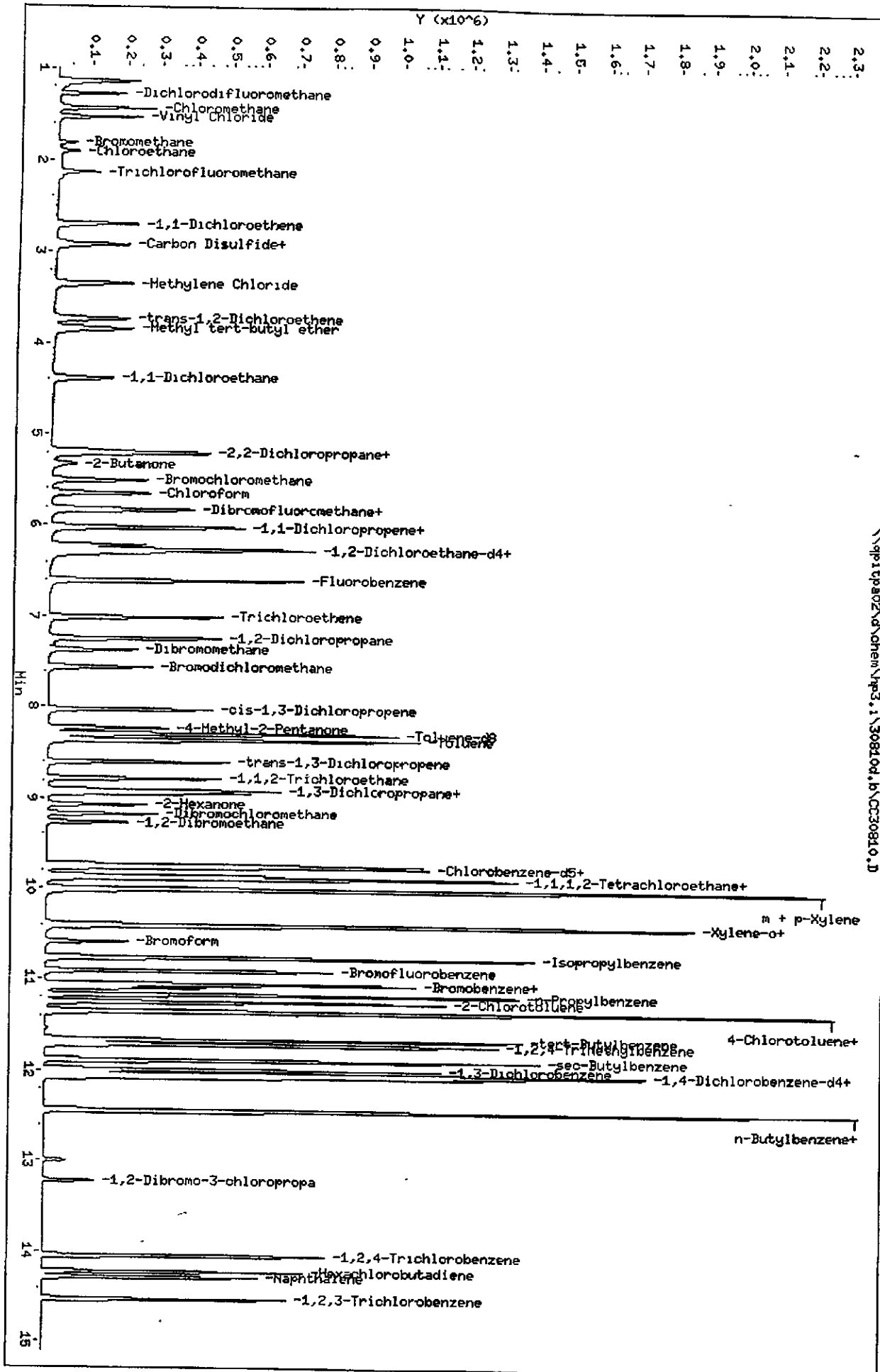
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6.606	6.606	(1.000)	658264	250.000	
* 69 Chlorobenzene-d5	119	9.739	9.739	(1.000)	189756	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.057	12.057	(1.000)	342121	250.000	
\$ 39 Dibromofluoromethane	113	5.839	5.839	(0.884)	65981	100.000	104.0
\$ 43 1,2-Dichloroethane-d4	65	6.216	6.216	(0.941)	74405	100.000	101.4
\$ 59 Toluene-d8	98	8.291	8.291	(0.851)	298821	100.000	103.2
\$ 80 Bromofluorobenzene	95	10.907	10.907	(1.120)	126375	100.000	103.7
1 Dichlorodifluoromethane	85	1.271	1.271	(0.192)	71227	100.000	100.0
2 Chloromethane	50	1.429	1.429	(0.216)	130008	100.000	98.38
3 Vinyl Chloride	62	1.526	1.526	(0.231)	97753	100.000	98.83
4 Bromomethane	94	1.812	1.812	(0.274)	16322	100.000	99.21
5 Chloroethane	64	1.903	1.903	(0.288)	18205	100.000	98.86
6 Trichlorofluoromethane	101	2.134	2.134	(0.323)	78313	100.000	113.6
12 1,1-Dichloroethene	96	2.712	2.712	(0.411)	42885	100.000	96.68
15 Carbon Disulfide	76	2.937	2.937	(0.445)	134853	100.000	109.4
13 Acetone	43	2.877	2.877	(0.436)	28607	100.000	79.07

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ng)	ON-COL (ng)
=====	----	==	=====	=====	=====	=====	=====
18 Methylene Chloride	84	3.345	3.345	(0.506)	50999	100.000	97.30
19 trans-1,2-Dichloroethene	96	3.734	3.734	(0.565)	46123	100.000	97.07
20 Methyl tert-butyl ether	73	3.826	3.826	(0.579)	111059	100.000	103.5
24 1,1-Dichloroethane	63	4.385	4.385	(0.664)	101708	100.000	97.40
27 2,2-Dichloropropane	77	5.194	5.194	(0.786)	74132	100.000	95.13
28 cis-1,2-dichloroethene	96	5.213	5.213	(0.789)	72069	100.000	99.70
M 29 1,2-Dichloroethene (total)	96				118193	200.000	197.3
30 Bromochloromethane	128	5.511	5.511	(0.834)	35496	100.000	99.29
31 2-Butanone	43	5.316	5.316	(0.805)	62735	100.000	91.96
37 Chloroform	83	5.645	5.645	(0.855)	107548	100.000	98.49
38 1,1,1-Trichloroethane	97	5.827	5.827	(0.882)	80700	100.000	96.10
40 1,1-Dichloropropene	75	6.034	6.034	(0.913)	71646	100.000	98.88
41 Carbon Tetrachloride	117	6.022	6.022	(0.912)	68057	100.000	92.74
42 Benzene	78	6.271	6.271	(0.949)	289691	100.000	98.69
45 1,2-Dichloroethane	62	6.302	6.302	(0.954)	100632	100.000	97.54
47 Trichloroethene	130	7.013	7.013	(1.062)	74547	100.000	98.95
49 1,2-Dichloropropane	63	7.245	7.245	(1.097)	84794	100.000	99.34
50 Dibromomethane	93	7.372	7.372	(1.116)	41274	100.000	100.5
53 Bromodichloromethane	83	7.561	7.561	(1.145)	80804	100.000	98.53
57 cis-1,3-Dichloropropene	75	8.029	8.029	(1.215)	100547	100.000	101.2
58 4-Methyl-2-Pentanone	43	8.224	8.224	(0.844)	105986	100.000	102.9
60 Toluene	91	8.358	8.358	(0.858)	351110	100.000	98.42
61 trans-1,3-Dichloropropene	75	8.601	8.601	(0.883)	106466	100.000	99.17
63 1,3-Dichloropropane	76	8.942	8.942	(0.918)	128319	100.000	96.94
64 1,1,2-Trichloroethane	97	8.784	8.784	(0.902)	71377	100.000	99.10
65 Tetrachloroethene	164	8.911	8.911	(0.915)	72072	100.000	89.62
66 2-Hexanone	43	9.064	9.064	(0.931)	72423	100.000	98.41
67 Dibromochloromethane	129	9.167	9.167	(0.941)	70939	100.000	100.8
68 1,2-Dibromoethane	107	9.264	9.264	(0.951)	73682	100.000	98.17
70 Chlorobenzene	112	9.763	9.763	(1.002)	254395	100.000	97.28
71 1,1,1,2-Tetrachloroethane	131	9.854	9.854	(1.012)	81066	100.000	98.47
72 Ethylbenzene	106	9.885	9.885	(1.015)	136684	100.000	98.47
73 m + p-Xylene	106	10.000	10.000	(1.027)	343712	200.000	197.7
74 Xylene-o	106	10.390	10.390	(1.067)	162640	100.000	100.9
M 75 Xylenes (total)	106				506353	100.000	314.1
76 Styrene	104	10.408	10.408	(1.069)	290013	100.000	99.53
77 Bromoform	173	10.584	10.584	(1.087)	45824	100.000	99.06
78 Isopropylbenzene	105	10.761	10.761	(1.105)	412352	100.000	99.53
79 Bromobenzene	156	11.053	11.053	(0.917)	106140	100.000	96.82
81 n-Propylbenzene	120	11.168	11.168	(0.926)	120258	100.000	97.54
82 2-Chlorotoluene	126	11.247	11.247	(0.933)	103950	100.000	95.63
83 1,1,2,2-Tetrachloroethane	83	11.059	11.059	(0.917)	96268	100.000	96.61
84 1,2,3-Trichloropropane	110	11.095	11.095	(0.920)	31423	100.000	96.15
85 4-Chlorotoluene	126	11.357	11.357	(0.942)	108946	100.000	96.65
86 1,3,5-Trimethylbenzene	105	11.351	11.351	(0.941)	346332	100.000	96.71
87 tert-Butylbenzene	119	11.667	11.667	(0.968)	294575	100.000	95.97
88 1,2,4-Trimethylbenzene	105	11.716	11.716	(0.972)	352022	100.000	96.80

Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\1B30810.D
 Report Date: 10-Aug-2000 08:48

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Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
	=====	==	=====	=====	=====	=====	=====
89 sec-Butylbenzene	105	11.886	11.886	(0.986)	453305	100.000	94.13
90 4-Isopropyltoluene	119	12.032	12.032	(0.998)	379894	100.000	94.80
91 1,3-Dichlorobenzene	146	11.990	11.990	(0.994)	207610	100.000	94.94
93 1,4-Dichlorobenzene	146	12.081	12.081	(1.002)	213730	100.000	94.12
94 n-Butylbenzene	91	12.440	12.440	(1.032)	332186	100.000	93.70
95 1,2-Dichlorobenzene	146	12.446	12.446	(1.032)	192939	100.000	94.34
96 1,2-Dibromo-3-chloropropane	157	13.219	13.219	(1.096)	16511	100.000	96.44
97 1,2,4-Trichlorobenzene	180	14.046	14.046	(1.165)	113873	100.000	90.49
98 Hexachlorobutadiene	225	14.228	14.228	(1.180)	57267	100.000	82.80
99 Naphthalene	128	14.289	14.289	(1.185)	212159	100.000	87.37
100 1,2,3-Trichlorobenzene	180	14.533	14.533	(1.205)	96625	100.000	85.35



Data File: \\qpi1pae2\chem\hp3.1\30810d.b\CC30810.D
 Date: 10-AUG-2000 06:56
 Client ID: VSTD50
 Sample Info: VSTD50 5ML
 Purge Volume: 5.0
 Column phase: DB 624

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

Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\CC30810.D
Report Date: 10-Aug-2000 08:13

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30810d.b\CC30810.D
Lab Smp Id: VSTD50 Client Smp ID: VSTD50
Inj Date : 10-AUG-2000 06:56 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD50 5ML
Misc Info : vstd50,30810d.b,8260bh2o.m,1-tcl.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30810d.b\8260bh2o.m
Meth Date : 10-Aug-2000 08:13 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 06:56 Cal File: CC30810.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC073

126
8/10/00

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)

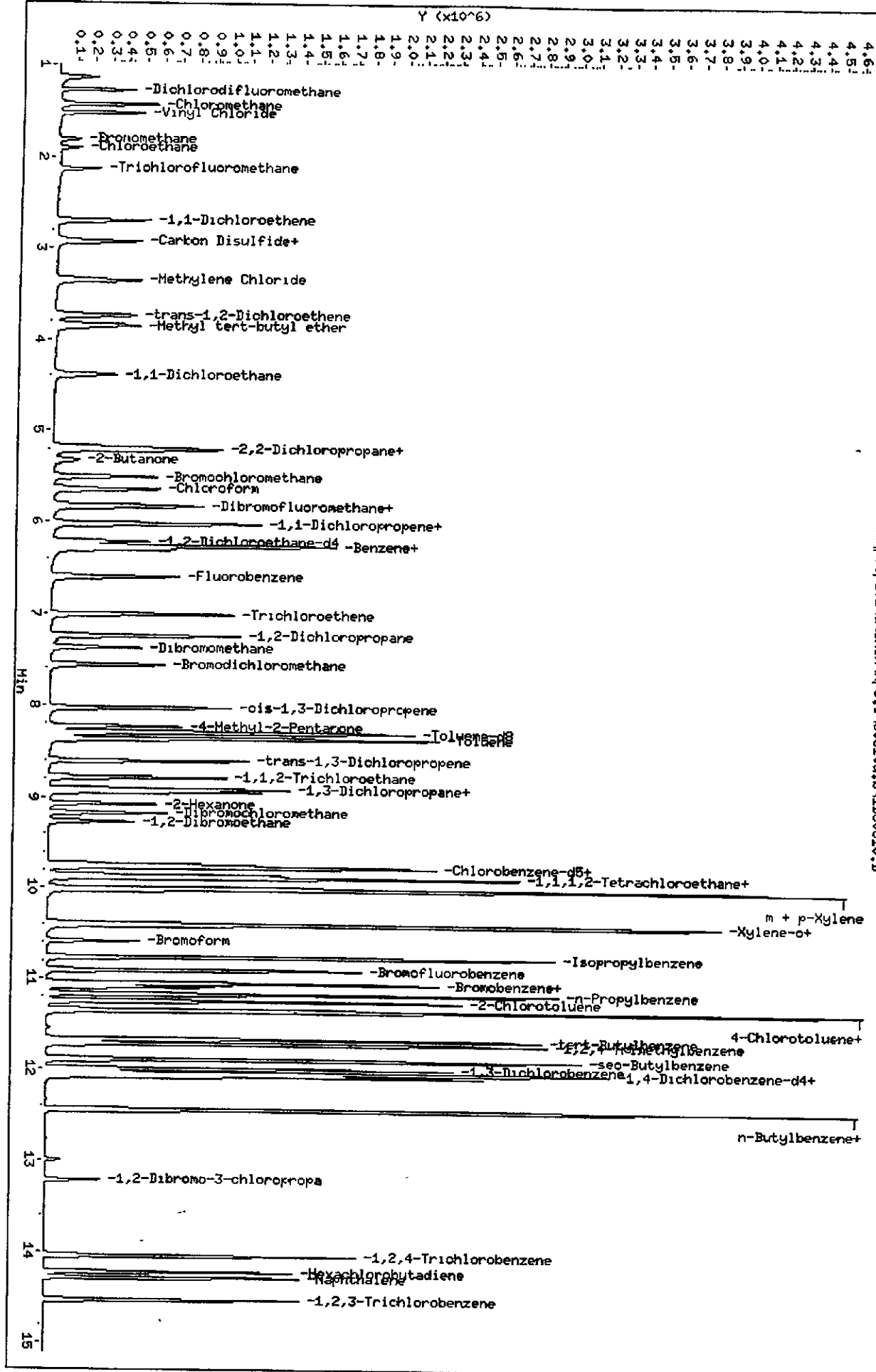
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96	6.605	6.605	(1.000)	679255	250.000	
* 69 Chlorobenzene-d5	119	9.738	9.738	(1.000)	188996	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.056	12.056	(1.000)	329346	250.000	
\$ 39 Dibromofluoromethane	113	5.844	5.844	(0.885)	158484	250.000	250.0
\$ 43 1,2-Dichloroethane-d4	65	6.216	6.216	(0.941)	178389	250.000	250.0
\$ 59 Toluene-d8	98	8.290	8.290	(0.851)	690016	250.000	250.0
\$ 80 Bromofluorobenzene	95	10.912	10.912	(1.121)	283892	250.000	250.0
1 Dichlorodifluoromethane	85	1.276	1.276	(0.193)	150174	250.000	250.0
2 Chloromethane	50	1.434	1.434	(0.217)	283147	250.000	250.0
3 Vinyl Chloride	62	1.531	1.531	(0.232)	217488	250.000	250.0
4 Bromomethane	94	1.817	1.817	(0.275)	28455	250.000	250.0
5 Chloroethane	64	1.908	1.908	(0.289)	39523	250.000	250.0
6 Trichlorofluoromethane	101	2.134	2.134	(0.323)	74139	250.000	250.0
12 1,1-Dichloroethene	96	2.705	2.705	(0.410)	97849	250.000	250.0
15 Carbon Disulfide	76	2.924	2.924	(0.443)	303814	250.000	250.0
13 Acetone	43	2.894	2.894	(0.438)	73740	250.000	250.0

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
18 Methylene Chloride	84	3.350	3.350	(0.507)	112943	250.000	250.0
19 trans-1,2-Dichloroethene	96	3.733	3.733	(0.565)	108511	250.000	250.0
20 Methyl tert-butyl ether	73	3.843	3.843	(0.582)	274276	250.000	250.0
24 1,1-Dichloroethane	63	4.391	4.391	(0.665)	238453	250.000	250.0
27 2,2-Dichloropropane	77	5.187	5.187	(0.785)	192518	250.000	250.0
28 cis-1,2-dichloroethene	96	5.212	5.212	(0.789)	167159	250.000	250.0
M 29 1,2-Dichloroethene (total)	96				275671	500.000	500.0
30 Bromochloromethane	128	5.510	5.510	(0.834)	81727	250.000	250.0
31 2-Butanone	43	5.333	5.333	(0.808)	147042	250.000	250.0
37 Chloroform	83	5.650	5.650	(0.855)	246972	250.000	250.0
38 1,1,1-Trichloroethane	97	5.826	5.826	(0.882)	199912	250.000	250.0
40 1,1-Dichloropropene	75	6.033	6.033	(0.913)	164133	250.000	250.0
41 Carbon Tetrachloride	117	6.021	6.021	(0.912)	179513	250.000	250.0
42 Benzene	78	6.270	6.270	(0.949)	660134	250.000	250.0
45 1,2-Dichloroethane	62	6.307	6.307	(0.955)	233554	250.000	250.0
47 Trichloroethene	130	7.012	7.012	(1.062)	171870	250.000	250.0
49 1,2-Dichloropropane	63	7.244	7.244	(1.097)	196795	250.000	250.0
50 Dibromomethane	93	7.371	7.371	(1.116)	94163	250.000	250.0
53 Bromodichloromethane	83	7.560	7.560	(1.145)	195238	250.000	250.0
57 cis-1,3-Dichloropropene	75	8.028	8.028	(1.216)	241304	250.000	250.0
58 4-Methyl-2-Pentanone	43	8.229	8.229	(0.845)	264577	250.000	250.0
60 Toluene	91	8.363	8.363	(0.859)	790936	250.000	250.0
61 trans-1,3-Dichloropropene	75	8.600	8.600	(0.883)	251733	250.000	250.0
63 1,3-Dichloropropane	76	8.941	8.941	(0.918)	288356	250.000	250.0
64 1,1,2-Trichloroethane	97	8.783	8.783	(0.902)	156587	250.000	250.0
65 Tetrachloroethene	164	8.911	8.911	(0.915)	157289	250.000	250.0
66 2-Hexanone	43	9.069	9.069	(0.931)	190567	250.000	250.0
67 Dibromochloromethane	129	9.172	9.172	(0.942)	167195	250.000	250.0
68 1,2-Dibromoethane	107	9.269	9.269	(0.952)	162779	250.000	250.0
70 Chlorobenzene	112	9.768	9.768	(1.003)	557424	250.000	250.0
71 1,1,1,2-Tetrachloroethane	131	9.853	9.853	(1.012)	184727	250.000	250.0
72 Ethylbenzene	106	9.884	9.884	(1.015)	307013	250.000	250.0
73 m + p-Xylene	106	10.006	10.006	(1.027)	740583	500.000	500.0
74 Xylene-o	106	10.395	10.395	(1.067)	357319	250.000	250.0
M 75 Xylenes (total)	106				1097903	250.000	768.2
76 Styrene	104	10.407	10.407	(1.069)	631084	250.000	250.0
77 Bromoform	173	10.583	10.583	(1.087)	112821	250.000	250.0
78 Isopropylbenzene	105	10.760	10.760	(1.105)	925314	250.000	250.0
79 Bromobenzene	156	11.052	11.052	(0.917)	231711	250.000	250.0
81 n-Propylbenzene	120	11.174	11.174	(0.927)	267334	250.000	250.0
82 2-Chlorotoluene	126	11.253	11.253	(0.933)	230986	250.000	250.0
83 1,1,2,2-Tetrachloroethane	83	11.064	11.064	(0.918)	202581	250.000	250.0
84 1,2,3-Trichloropropane	110	11.094	11.094	(0.920)	67194	250.000	250.0
85 4-Chlorotoluene	126	11.356	11.356	(0.942)	232937	250.000	250.0
86 1,3,5-Trimethylbenzene	105	11.350	11.350	(0.941)	755277	250.000	250.0
87 tert-Butylbenzene	119	11.666	11.666	(0.968)	670044	250.000	250.0
88 1,2,4-Trimethylbenzene	105	11.721	11.721	(0.972)	776756	250.000	250.0

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
89 sec-Butylbenzene	105	11.885	11.885	(0.986)	1015719	250.000	250.0
90 4-Isopropyltoluene	119	12.037	12.037	(0.998)	851469	250.000	250.0
91 1,3-Dichlorobenzene	146	11.989	11.989	(0.994)	452500	250.000	250.0
93 1,4-Dichlorobenzene	146	12.080	12.080	(1.002)	465482	250.000	250.0
94 n-Butylbenzene	91	12.439	12.439	(1.032)	730592	250.000	250.0
95 1,2-Dichlorobenzene	146	12.445	12.445	(1.032)	410608	250.000	250.0
96 1,2-Dibromo-3-chloropropane	157	13.218	13.218	(1.096)	37768	250.000	250.0
97 1,2,4-Trichlorobenzene	180	14.051	14.051	(1.166)	254186	250.000	250.0
98 Hexachlorobutadiene	225	14.227	14.227	(1.180)	133386	250.000	250.0
99 Naphthalene	128	14.288	14.288	(1.185)	447002	250.000	250.0
100 1,2,3-Trichlorobenzene	180	14.532	14.532	(1.205)	212827	250.000	250.0

Data File: \\ppltpa02\chem\hp3.1\308104.b\ID30810.D
 Date: 10-AUG-2000 08:39
 Client ID: VSTD100
 Sample Info: VSTD100 5HL
 Purge Volume: 5.0
 Column phase: DB 624

Instrument: hp3.1
 Operator: 10039
 Column diameter: 0.18



Data File: \\qpitpa02\d\chem\hp3.i\30810d.b\1D30810.D
Report Date: 10-Aug-2000 09:13

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VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30810d.b\1D30810.D
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 10-AUG-2000 08:39 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD100 5ML
Misc Info : ,30810d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30810d.b\8260bh2o.m
Meth Date : 10-Aug-2000 09:12 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 08:39 Cal File: 1D30810.D
Als bottle: 6 Calibration Sample, Level: 4
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)

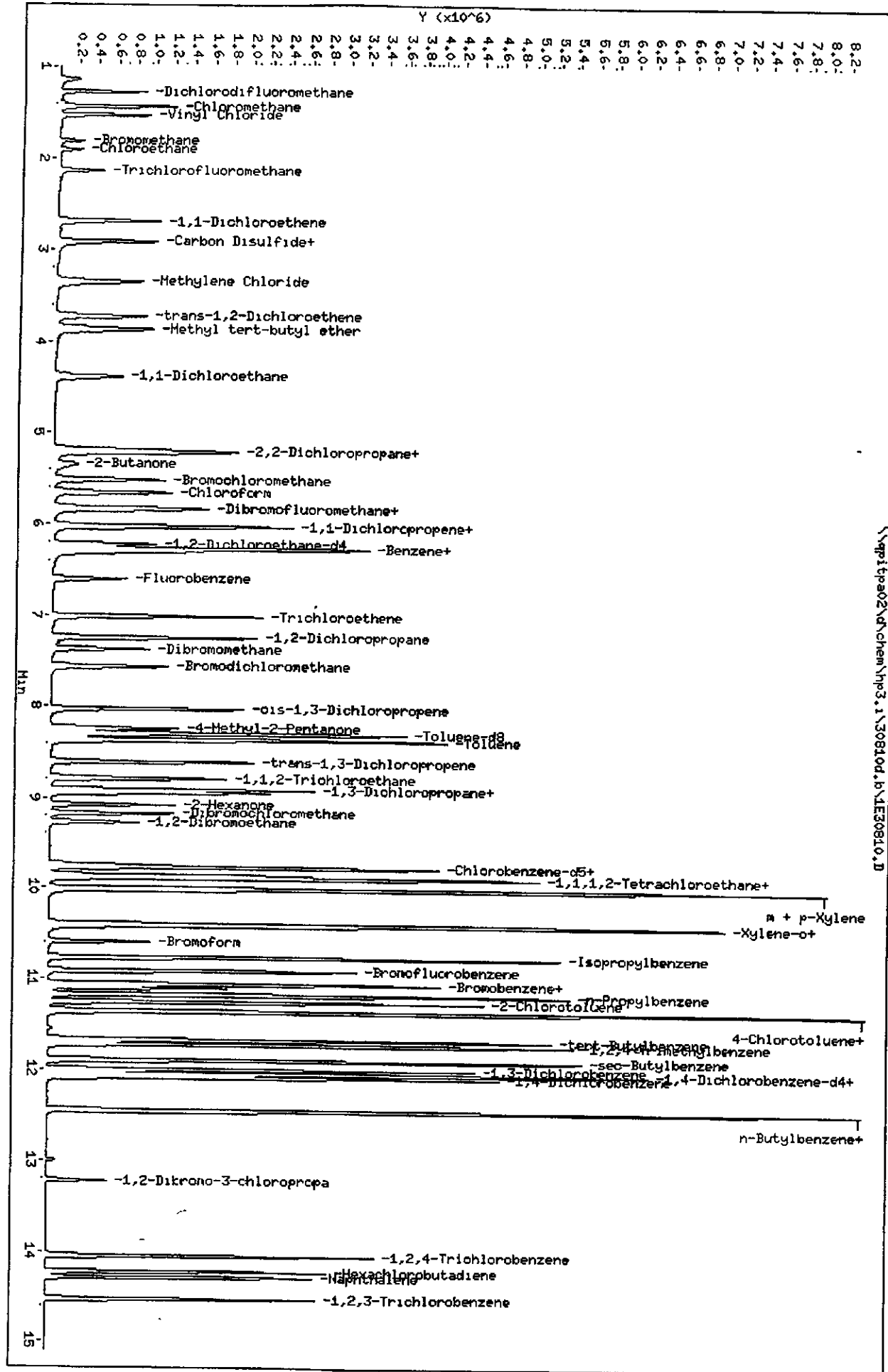
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene		96	6.609	6.609	(1.000)	711482	250.000	
* 69 Chlorobenzene-d5		119	9.742	9.742	(1.000)	190206	250.000	
* 92 1,4-Dichlorobenzene-d4		152	12.059	12.059	(1.000)	324912	250.000	
\$ 39 Dibromofluoromethane		113	5.842	5.842	(0.884)	326647	500.000	482.2
\$ 43 1,2-Dichloroethane-d4		65	6.219	6.219	(0.941)	371065	500.000	475.5
\$ 59 Toluene-d8		98	8.294	8.294	(0.851)	1437506	500.000	496.6
\$ 80 Bromofluorobenzene		95	10.910	10.910	(1.120)	586218	500.000	484.7
1 Dichlorodifluoromethane		85	1.273	1.273	(0.193)	344299	500.000	459.5
2 Chloromethane		50	1.432	1.432	(0.217)	629599	500.000	454.2
3 Vinyl Chloride		62	1.529	1.529	(0.231)	471321	500.000	454.3
4 Bromomethane		94	1.815	1.815	(0.275)	68308	500.000	407.7
5 Chloroethane		64	1.906	1.906	(0.288)	86716	500.000	450.1
6 Trichlorofluoromethane		101	2.131	2.131	(0.323)	167581	500.000	260.7
12 1,1-Dichloroethene		96	2.703	2.703	(0.409)	213964	500.000	458.6
15 Carbon Disulfide		76	2.928	2.928	(0.443)	710554	500.000	524.5
13 Acetone		43	2.898	2.898	(0.439)	145702	500.000	397.9

		QUANT SIG				AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	****	==	*****	*****	*****	*****	*****
18 Methylene Chloride	84	3.348	3.348	(0.507)	248862	500.000	453.0
19 trans-1,2-Dichloroethene	96	3.731	3.731	(0.565)	234099	500.000	466.1
20 Methyl tert-butyl ether	73	3.847	3.847	(0.582)	622172	500.000	527.0
24 1,1-Dichloroethane	63	4.388	4.388	(0.664)	514829	500.000	466.4
27 2,2-Dichloropropane	77	5.191	5.191	(0.786)	428895	500.000	506.9
28 cis-1,2-dichloroethene	96	5.215	5.215	(0.789)	360358	500.000	470.3
M 29 1,2-Dichloroethene (total)	96				594457	1000.00	937.3
30 Bromochloromethane	128	5.514	5.514	(0.834)	175900	500.000	465.7
31 2-Butanone	43	5.331	5.331	(0.807)	306205	500.000	433.6
37 Chloroform	83	5.647	5.647	(0.855)	528438	500.000	459.8
38 1,1,1-Trichloroethane	97	5.824	5.824	(0.881)	436982	500.000	486.0
40 1,1-Dichloropropene	75	6.031	6.031	(0.913)	369282	500.000	478.4
41 Carbon Tetrachloride	117	6.025	6.025	(0.912)	391219	500.000	494.9
42 Benzene	78	6.268	6.268	(0.948)	1409231	500.000	456.9
45 1,2-Dichloroethane	62	6.304	6.304	(0.954)	498198	500.000	459.0
47 Trichloroethene	130	7.016	7.016	(1.062)	376582	500.000	471.3
49 1,2-Dichloropropane	63	7.247	7.247	(1.097)	422754	500.000	468.0
50 Dibromomethane	93	7.369	7.369	(1.115)	201027	500.000	463.7
53 Bromodichloromethane	83	7.564	7.564	(1.145)	418708	500.000	479.0
57 cis-1,3-Dichloropropene	75	8.026	8.026	(1.214)	531821	500.000	496.4
58 4-Methyl-2-Pentanone	43	8.233	8.233	(0.845)	598883	500.000	557.7
60 Toluene	91	8.361	8.361	(0.858)	1659903	500.000	472.6
61 trans-1,3-Dichloropropene	75	8.604	8.604	(0.883)	553197	500.000	510.5
63 1,3-Dichloropropane	76	8.945	8.945	(0.918)	600250	500.000	463.4
64 1,1,2-Trichloroethane	97	8.786	8.786	(0.902)	327040	500.000	463.9
65 Tetrachloroethene	164	8.914	8.914	(0.915)	325094	500.000	423.8
66 2-Hexanone	43	9.066	9.066	(0.931)	428549	500.000	558.3
67 Dibromochloromethane	129	9.170	9.170	(0.941)	359659	500.000	507.3
68 1,2-Dibromoethane	107	9.267	9.267	(0.951)	352448	500.000	476.0
70 Chlorobenzene	112	9.766	9.766	(1.002)	1152548	500.000	453.4
71 1,1,1,2-Tetrachloroethane	131	9.857	9.857	(1.012)	389478	500.000	478.7
72 Ethylbenzene	106	9.888	9.888	(1.015)	638597	500.000	468.6
73 m + p-Xylene	106	10.003	10.003	(1.027)	1501359	1000.00	892.3
74 Xylene-o	106	10.392	10.392	(1.067)	736406	500.000	466.0
M 75 Xylenes (total)	106				2237766	500.000	1416
76 Styrene	104	10.411	10.411	(1.069)	1303528	500.000	458.6
77 Bromoform	173	10.587	10.587	(1.087)	245169	500.000	521.2
78 Isopropylbenzene	105	10.764	10.764	(1.105)	1921199	500.000	471.4
79 Bromobenzene	156	11.056	11.056	(0.917)	481958	500.000	471.7
81 n-Propylbenzene	120	11.171	11.171	(0.926)	559378	500.000	483.1
82 2-Chlorotoluene	126	11.250	11.250	(0.933)	477776	500.000	471.6
83 1,1,2,2-Tetrachloroethane	83	11.062	11.062	(0.917)	414872	500.000	452.3
84 1,2,3-Trichloropropane	110	11.098	11.098	(0.920)	144197	500.000	473.0
85 4-Chlorotoluene	126	11.360	11.360	(0.942)	466107	500.000	450.0
86 1,3,5-Trimethylbenzene	105	11.348	11.348	(0.941)	1533786	500.000	462.3
87 tert-Butylbenzene	119	11.670	11.670	(0.968)	1377372	500.000	479.1
88 1,2,4-Trimethylbenzene	105	11.719	11.719	(0.972)	1606479	500.000	473.4

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	11.889	11.889	(0.986)	2055819	500.000	461.2
90 4-Isopropyltoluene	119	12.035	12.035	(0.998)	1736964	500.000	466.6
91 1,3-Dichlorobenzene	146	11.992	11.992	(0.994)	948125	500.000	466.7
93 1,4-Dichlorobenzene	146	12.078	12.078	(1.002)	965415	500.000	459.7
94 n-Butylbenzene	91	12.443	12.443	(1.032)	1449536	500.000	446.0
95 1,2-Dichlorobenzene	146	12.449	12.449	(1.032)	830120	500.000	443.5
96 1,2-Dibromo-3-chloropropane	157	13.221	13.221	(1.096)	82967	500.000	507.7
97 1,2,4-Trichlorobenzene	180	14.049	14.049	(1.165)	536596	500.000	460.8
98 Hexachlorobutadiene	225	14.231	14.231	(1.180)	259677	500.000	417.2
99 Naphthalene	128	14.286	14.286	(1.185)	1012612	500.000	452.9
100 1,2,3-Trichlorobenzene	180	14.529	14.529	(1.205)	439814	500.000	428.5

Data File: \\vpi\p02\chem\hp3.1\30810d.b\1E30810.D
 Date: 10-ALG-2000 09:06
 Client ID: VSTD200
 Sample Info: VSTD200 5HL
 Purge Volume: 8.0
 Column phase: DB 624

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



STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30810d.b\1E30810.D
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 10-AUG-2000 09:06 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD200 5ML
Misc Info : ,30810d.b,8260bh2o.m,4-dwh20.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30810d.b\8260bh2o.m
Meth Date : 10-Aug-2000 09:39 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-dwh20.sub
Target Version: 4.04
Processing Host: PITPC073

KEG
8/14/00

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	6.608	6.608	(1.000)	754476	250.000	
* 69 Chlorobenzene-d5	119	9.741	9.741	(1.000)	188870	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.059	12.059	(1.000)	317726	250.000	
\$ 39 Dibromofluoromethane	113	5.848	5.848	(0.885)	644875	1000.00	916.5
\$ 43 1,2-Dichloroethane-d4	65	6.219	6.219	(0.941)	746031	1000.00	919.7
\$ 59 Toluene-d8	98	8.299	8.299	(0.852)	2702534	1000.00	951.6
\$ 80 Bromofluorobenzene	95	10.915	10.915	(1.121)	1098458	1000.00	930.5
1 Dichlorodifluoromethane	85	1.273	1.273	(0.193)	708809	1000.00	911.7
2 Chloromethane	50	1.431	1.431	(0.217)	1297323	1000.00	903.8
3 Vinyl Chloride	62	1.529	1.529	(0.231)	979406	1000.00	910.2
4 Bromomethane	94	1.814	1.814	(0.275)	137216	1000.00	809.2
5 Chloroethane	64	1.906	1.906	(0.288)	178162	1000.00	895.0
6 Trichlorofluoromethane	101	2.137	2.137	(0.323)	359254	1000.00	582.0
12 1,1-Dichloroethene	96	2.691	2.691	(0.407)	462484	1000.00	947.1
15 Carbon Disulfide	76	2.910	2.910	(0.440)	1481307	1000.00	1025
13 Acetone	43	2.922	2.922	(0.442)	281416	1000.00	767.0

668 160

Data File: \\gpitpa02\d\chem\hp3.i\30810d.b\1E30810.D
Report Date: 10-Aug-2000 09:40

Page 2

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	RBL RT		CAL-AMT (ng)	ON-COL (ng)
=====	=====	==	=====	=====	=====	=====	=====
18 Methylene Chloride	84	3.348	3.348	(0.507)	531476	1000.00	928.6
19 trans-1,2-Dichloroethene	96	3.725	3.725	(0.564)	500648	1000.00	951.5
20 Methyl tert-butyl ether	73	3.865	3.865	(0.585)	1378947	1000.00	1080
24 1,1-Dichloroethane	63	4.388	4.388	(0.664)	1091458	1000.00	945.2
27 2,2-Dichloropropane	77	5.191	5.191	(0.786)	902799	1000.00	1005
28 cis-1,2-dichloroethene	96	5.215	5.215	(0.789)	736202	1000.00	923.5
M 29 1,2-Dichloroethene (total)	96				1236851	2000.00	1869
30 Bromochloromethane	128	5.513	5.513	(0.834)	367933	1000.00	933.8
31 2-Butanone	43	5.349	5.349	(0.809)	627237	1000.00	865.8
37 Chloroform	83	5.653	5.653	(0.855)	1085170	1000.00	910.3
38 1,1,1-Trichloroethane	97	5.823	5.823	(0.881)	919983	1000.00	971.6
40 1,1-Dichloropropene	75	6.030	6.030	(0.913)	777035	1000.00	958.9
41 Carbon Tetrachloride	117	6.018	6.018	(0.911)	832049	1000.00	994.0
42 Benzene	78	6.274	6.274	(0.949)	2867219	1000.00	898.9
45 1,2-Dichloroethane	62	6.310	6.310	(0.955)	1031865	1000.00	915.4
47 Trichloroethene	130	7.016	7.016	(1.062)	798383	1000.00	953.3
49 1,2-Dichloropropane	63	7.253	7.253	(1.098)	890388	1000.00	942.8
50 Dibromomethane	93	7.375	7.375	(1.116)	408776	1000.00	909.3
53 Bromodichloromethane	83	7.569	7.569	(1.145)	864767	1000.00	945.6
57 cis-1,3-Dichloropropene	75	8.032	8.032	(1.215)	1097100	1000.00	972.4
58 4-Methyl-2-Pentanone	43	8.245	8.245	(0.846)	1212966	1000.00	1107
60 Toluene	91	8.366	8.366	(0.859)	3227156	1000.00	939.4
61 trans-1,3-Dichloropropene	75	8.610	8.610	(0.884)	1121070	1000.00	1033
63 1,3-Dichloropropane	76	8.944	8.944	(0.918)	1183371	1000.00	935.0
64 1,1,2-Trichloroethane	97	8.792	8.792	(0.903)	647769	1000.00	939.3
65 Tetrachloroethene	164	8.914	8.914	(0.915)	647408	1000.00	876.2
66 2-Hexanone	43	9.078	9.078	(0.932)	876513	1000.00	1116
67 Dibromochloromethane	129	9.175	9.175	(0.942)	737424	1000.00	1038
68 1,2-Dibromoethane	107	9.273	9.273	(0.952)	705862	1000.00	967.8
70 Chlorobenzene	112	9.772	9.772	(1.003)	2220058	1000.00	901.2
71 1,1,1,2-Tetrachloroethane	131	9.857	9.857	(1.012)	769600	1000.00	961.7
72 Ethylbenzene	106	9.887	9.887	(1.015)	1213953	1000.00	915.9
73 m + p-Xylene	106	10.009	10.009	(1.027)	2784665	2000.00	1724
74 Xylene-o	106	10.398	10.398	(1.067)	1386166	1000.00	904.5
M 75 Xylenes (total)	106				4170832	1000.00	2722
76 Styrene	104	10.417	10.417	(1.069)	2418033	1000.00	882.0
77 Bromoform	173	10.593	10.593	(1.087)	506707	1000.00	1067
78 Isopropylbenzene	105	10.769	10.769	(1.106)	3672597	1000.00	924.7
79 Bromobenzene	156	11.055	11.055	(0.917)	927408	1000.00	941.7
81 n-Propylbenzene	120	11.177	11.177	(0.927)	1072910	1000.00	957.6
82 2-Chlorotoluene	126	11.256	11.256	(0.933)	929318	1000.00	949.8
83 1,1,2,2-Tetrachloroethane	83	11.067	11.067	(0.918)	776216	1000.00	889.4
84 1,2,3-Trichloropropane	110	11.104	11.104	(0.921)	282476	1000.00	957.5
85 4-Chlorotoluene	126	11.366	11.366	(0.942)	875935	1000.00	888.7
86 1,3,5-Trimethylbenzene	105	11.353	11.353	(0.941)	2887485	1000.00	910.0
87 tert-Butylbenzene	119	11.676	11.676	(0.968)	2693202	1000.00	966.1
88 1,2,4-Trimethylbenzene	105	11.724	11.724	(0.972)	3095410	1000.00	945.5

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
							(ng)	(ng)
89 sec-Butylbenzene	105	11.889	11.889	(0.986)	3998500		1000.00	932.6
90 4-Isopropyltoluene	119	12.041	12.041	(0.998)	3389482		1000.00	944.1
91 1,3-Dichlorobenzene	146	11.992	11.992	(0.994)	1838978		1000.00	939.6
93 1,4-Dichlorobenzene	146	12.083	12.083	(1.002)	1879174		1000.00	930.8
94 n-Butylbenzene	91	12.442	12.442	(1.032)	2752177		1000.00	889.8
95 1,2-Dichlorobenzene	146	12.448	12.448	(1.032)	1563416		1000.00	879.8
96 1,2-Dibromo-3-chloropropane	157	13.221	13.221	(1.096)	173318		1000.00	1066
97 1,2,4-Trichlorobenzene	180	14.048	14.048	(1.165)	1073031		1000.00	953.2
98 Hexachlorobutadiene	225	14.231	14.231	(1.180)	536864		1000.00	903.3
99 Naphthalene	128	14.292	14.292	(1.185)	2050999		1000.00	949.8
100 1,2,3-Trichlorobenzene	180	14.535	14.535	(1.205)	894194		1000.00	910.8

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.:

SDG No.: 30815D

Instrument ID: HP3

Calibration Date: 08/15/00

Time: 0555

Lab File ID: CC30815

Init. Calib. Date(s): 08/10/00

08/10/00

Heated Purge: (Y/N) N

Init. Calib. Times: 0656

0906

GC Column: DB 624

ID: 0.18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.258	0.238	0.01	7.8	50.0
Chloromethane	0.476	0.407	0.1	14.5	50.0
Vinyl Chloride	0.356	0.320	0.01	10.1	20.0
Bromomethane	0.056	0.046	0.01	17.8	50.0
Chloroethane	0.066	0.068	0.01	3.0	50.0
Trichlorofluoromethane	0.204	0.137	0.01	32.8	50.0
1,1-Dichloroethene	0.162	0.157	0.01	3.1	20.0
Methylene Chloride	0.190	0.184	0.01	3.2	50.0
trans-1,2-Dichloroethene	0.174	0.166	0.01	4.6	50.0
1,1-Dichloroethane	0.383	0.369	0.1	3.6	50.0
cis-1,2-dichloroethene	0.264	0.252	0.01	4.5	50.0
Chloroform	0.395	0.378	0.01	4.3	20.0
1,1,1-Trichloroethane	0.314	0.301	0.01	4.1	50.0
Carbon Tetrachloride	0.277	0.255	0.01	7.9	50.0
1,2-Dichloroethane	0.373	0.344	0.01	7.8	50.0
Benzene	1.057	0.993	0.01	6.0	50.0
Trichloroethene	0.277	0.252	0.01	9.0	50.0
1,2-Dichloropropane	0.313	0.287	0.01	8.3	20.0
Bromodichloromethane	0.303	0.290	0.01	4.3	50.0
cis-1,3-Dichloropropene	0.374	0.346	0.01	7.5	50.0
Toluene	4.547	4.331	0.01	4.8	20.0
trans-1,3-Dichloropropene	1.436	1.342	0.01	6.5	50.0
1,1,2-Trichloroethane	0.913	0.838	0.01	8.2	50.0
Tetrachloroethene	0.978	0.826	0.01	15.5	50.0
Dibromochloromethane	0.941	0.893	0.01	5.1	50.0
Chlorobenzene	3.261	3.042	0.3	6.7	50.0
Ethylbenzene	1.754	1.675	0.01	4.5	20.0
Styrene	3.629	3.475	0.01	4.2	50.0
Bromoform	0.629	0.580	0.1	7.8	50.0
1,1,2,2-Tetrachloroethane	0.687	0.605	0.3	11.9	50.0
1,3-Dichlorobenzene	1.540	1.424	0.01	7.5	50.0
1,4-Dichlorobenzene	1.589	1.458	0.01	8.2	50.0
1,2-Dichlorobenzene	1.398	1.281	0.01	8.4	50.0
Dibromomethane	0.149	0.141	0.01	5.4	50.0
1,2-Dibromoethane	0.965	0.882	0.01	8.6	50.0
1,2,3-Trichloropropane	0.232	0.202	0.01	12.9	50.0
Acetone	0.121	0.091	0.01	24.8	50.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:
 Lab Code: STLPIT Case No.: SAS No.: SDG No.: 30815D
 Instrument ID: HP3 Calibration Date: 08/15/00 Time: 0555
 Lab File ID: CC30815 Init. Calib. Date(s): 08/10/00 08/10/00
 Heated Purge: (Y/N) N Init. Calib. Times: 0656 0906
 GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Carbon Disulfide	0.479	0.503	0.01	5.0	50.0
2-Butanone	0.240	0.190	0.01	20.8	50.0
4-Methyl-2-Pentanone	1.450	1.322	0.01	8.8	50.0
2-Hexanone	1.039	0.952	0.01	8.4	50.0
Methyl tert-butyl ether	0.423	0.410	0.01	3.1	50.0
1,2-Dichloroethene (total)	0.219	0.209	0.01	4.6	50.0
Xylenes (total)	2.029	1.941	0.01	4.3	50.0
Dibromofluoromethane	0.233	0.239	0.01	2.6	50.0
1,2-Dichloroethane-d4	0.269	0.284	0.01	5.6	50.0
Toluene-d8	3.759	3.905	0.01	3.9	50.0
Bromofluorobenzene	1.563	1.611	0.01	3.1	50.0

668 164

Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\CC30815.D
 Report Date: 08/15/2000

CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

Instrument ID: hp3.i
 Lab File ID: CC30815.D
 Analysis Type: WATER

Injection Date: 15-AUG-2000 05:55
 Lab Sample ID: VSTD50
 Method File: \\QPITPA02\D\chem\hp3.i\30815d.b

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
153	1,2-Dichloroethene (total)	500.0000	475.9281	4.8	50.0
154	Xylenes (total)	750.0000	738.6813	1.5	50.0
1	Dichlorodifluoromethane	250.0000	230.6996	7.7	50.0
2	Chloromethane	250.0000	213.9982	14.4	50.0
3	Vinyl Chloride	250.0000	224.7850	10.1	20.0
4	Bromomethane	250.0000	203.2664	18.7	50.0
5	Chloroethane	250.0000	258.0078	3.2	50.0
6	Trichlorofluoromethane	250.0000	167.5751	33.0	50.0
9	1,1-Dichloroethene	250.0000	243.3225	2.7	20.0
106	Acetone	250.0000	186.4860	25.4	50.0
107	Carbon Disulfide	250.0000	262.3939	5.0	50.0
10	Methylene Chloride	250.0000	242.8390	2.9	50.0
13	trans-1,2-Dichloroethene	250.0000	237.6348	4.9	50.0
134	Methyl tert-butyl ether	250.0000	242.1984	3.1	50.0
15	1,1-Dichloroethane	250.0000	241.2927	3.5	50.0
17	cis-1,2-dichloroethene	250.0000	238.1823	4.7	50.0
108	2-Butanone	250.0000	197.4646	21.0	50.0
18	Chloroform	250.0000	239.0675	4.4	20.0
20	1,1,1-Trichloroethane	250.0000	239.9686	4.0	50.0
149	Dibromofluoromethane	250.0000	256.6447	2.7	50.0
21	Carbon Tetrachloride	250.0000	229.7125	8.1	50.0
150	1,2-Dichloroethane-d4	250.0000	263.9549	5.6	50.0
24	Benzene	250.0000	234.8080	6.1	50.0
23	1,2-Dichloroethane	250.0000	230.0640	8.0	50.0
137	Fluorobenzene	250.0000	250.0000	0.0	50.0
26	Trichloroethene	250.0000	226.9796	9.2	50.0
27	1,2-Dichloropropane	250.0000	229.4547	8.2	20.0
60	Dibromomethane	250.0000	236.8182	5.3	50.0
28	Bromodichloromethane	250.0000	238.8746	4.5	50.0
31	cis-1,3-Dichloropropene	250.0000	231.5494	7.4	50.0
110	4-Methyl-2-Pentanone	250.0000	227.9046	8.8	50.0
151	Toluene-d8	250.0000	259.7138	3.9	50.0
33	Toluene	250.0000	238.1095	4.8	20.0
34	trans-1,3-Dichloropropene	250.0000	233.5258	6.6	50.0
36	1,1,2-Trichloroethane	250.0000	229.4377	8.2	50.0
37	Tetrachloroethene	250.0000	211.1163	15.6	50.0
111	2-Hexanone	250.0000	229.1105	8.4	50.0
38	Dibromochloromethane	250.0000	237.4603	5.0	50.0
63	1,2-Dibromoethane	250.0000	228.4980	8.6	50.0

Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\CC30815.D
 Report Date: 08/15/2000

CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

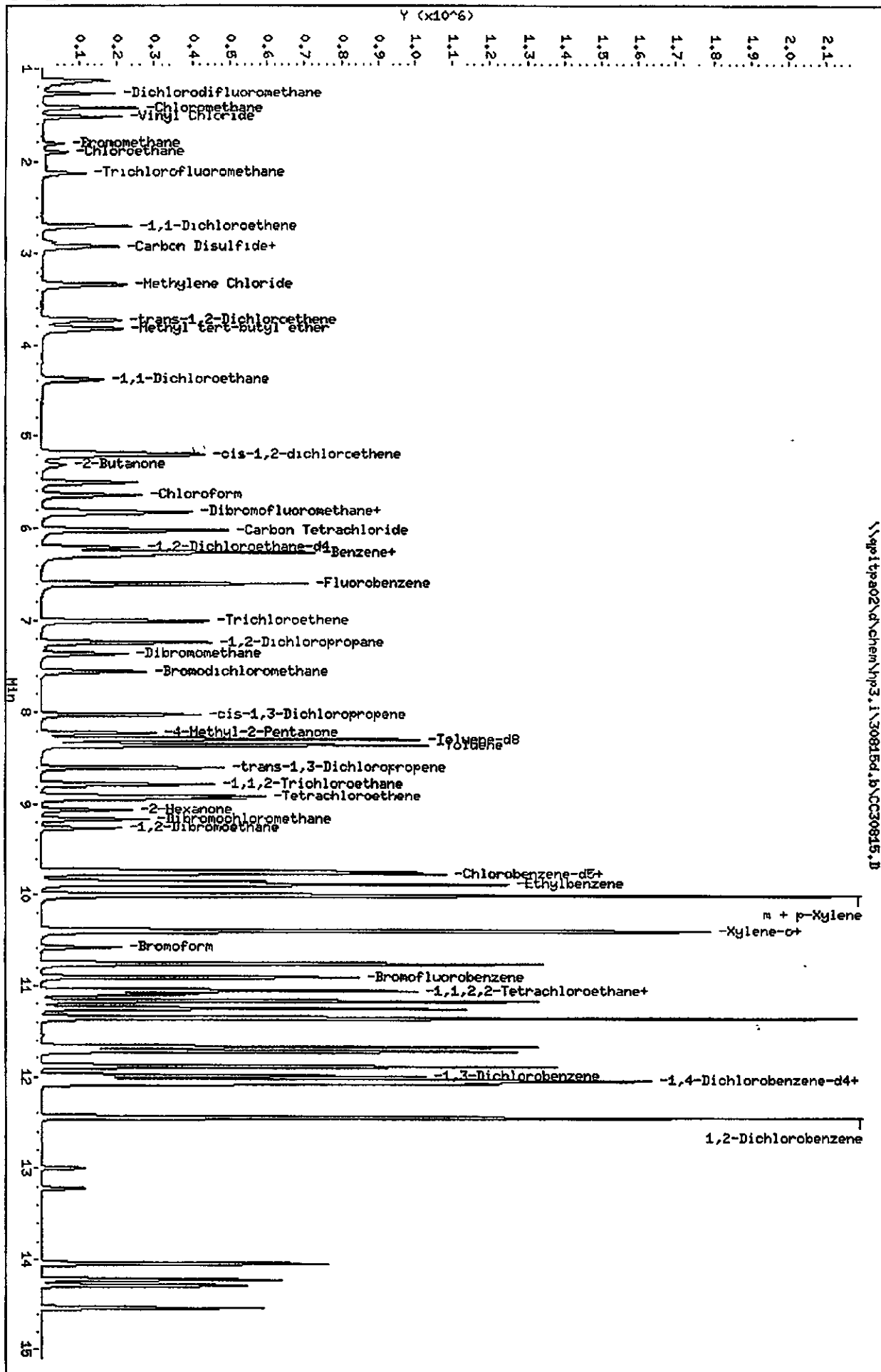
Instrument ID: hp3.i
 Lab File ID: CC30815.D
 Analysis Type: WATER

Injection Date: 15-AUG-2000 05:55
 Lab Sample ID: VSTD50
 Method File: \\QPITPA02\D\chem\hp3.i\30815d.b

COMPOUND	EXPECTED	MEASURED	%D	MAX
	CONC.	CONC.		
101 Chlorobenzene-d5	250.0000	250.0000	0.0	50.0
40 Chlorobenzene	250.0000	233.2094	6.7	50.0
41 Ethylbenzene	250.0000	238.6635	4.5	20.0
0 m + p-Xylene	500.0000	473.9723	5.2	50.0
0 Xylene-o	250.0000	239.1812	4.3	50.0
44 Styrene	250.0000	239.4215	4.2	50.0
45 Bromoform	250.0000	230.5047	7.8	50.0
152 Bromofluorobenzene	250.0000	257.8123	3.1	50.0
46 1,1,2,2-Tetrachloroethane	250.0000	220.1505	11.9	50.0
65 1,2,3-Trichloropropane	250.0000	217.5935	13.0	50.0
48 1,3-Dichlorobenzene	250.0000	231.1777	7.5	50.0
102 1,4-Dichlorobenzene-d4	250.0000	250.0000	0.0	50.0
49 1,4-Dichlorobenzene	250.0000	229.4966	8.2	50.0
50 1,2-Dichlorobenzene	250.0000	229.0232	8.4	50.0

Data File: \\pp1tpa02\chem\hps3.i\30815d.b\CC30815.D
 Date: 15-AUG-2000 05:55
 Client ID: VSTD50
 Sample Info: VSTD50 BHL
 Purge Volume: 5.0
 Column phase: DB 624

Instrument: hps3.i
 Operator: 10099
 Column diameter: 0.18



Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\CC30815.D
Report Date: 15-Aug-2000 06:30

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\CC30815.D
Lab Smp Id: VSTD50 Client Smp ID: VSTD50
Inj Date : 15-AUG-2000 05:55 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VSTD50 5ML
Misc Info : vstd50,30815d.b,8260bh2o.m,1-tcl.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m
Meth Date : 15-Aug-2000 06:27 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tcl.sub
Target Version: 4.04
Processing Host: PITPC073

KLG
8/15/00

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		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene	96		6.599	6.599	(1.000)	629126	250.000	
* 69 Chlorobenzene-d5	119		9.738	9.738	(1.000)	170701	250.000	
* 92 1,4-Dichlorobenzene-d4	152		12.056	12.056	(1.000)	301296	250.000	
\$ 39 Dibromofluoromethane	113		5.832	5.832	(0.884)	150582	250.000	256.6
\$ 43 1,2-Dichloroethane-d4	65		6.210	6.210	(0.941)	178546	250.000	264.0
\$ 59 Toluene-d8	98		8.290	8.290	(0.851)	666654	250.000	259.7
\$ 80 Bromofluorobenzene	95		10.906	10.906	(1.120)	275067	250.000	257.8
1 Dichlorodifluoromethane	85		1.270	1.270	(0.192)	149562	250.000	230.7
2 Chloromethane	50		1.428	1.428	(0.216)	256126	250.000	214.0
3 Vinyl Chloride	62		1.525	1.525	(0.231)	201682	250.000	224.8
4 Bromomethane	94		1.811	1.811	(0.275)	28740	250.000	203.3
5 Chloroethane	64		1.902	1.902	(0.288)	42826	250.000	258.0
6 Trichlorofluoromethane	101		2.128	2.128	(0.322)	86247	250.000	167.6
12 1,1-Dichloroethene	96		2.705	2.705	(0.410)	99073	250.000	243.3
15 Carbon Disulfide	76		2.931	2.931	(0.444)	316288	250.000	262.4
13 Acetone	43		2.876	2.876	(0.436)	57054	250.000	186.5 (H)

KLG
8/15/00

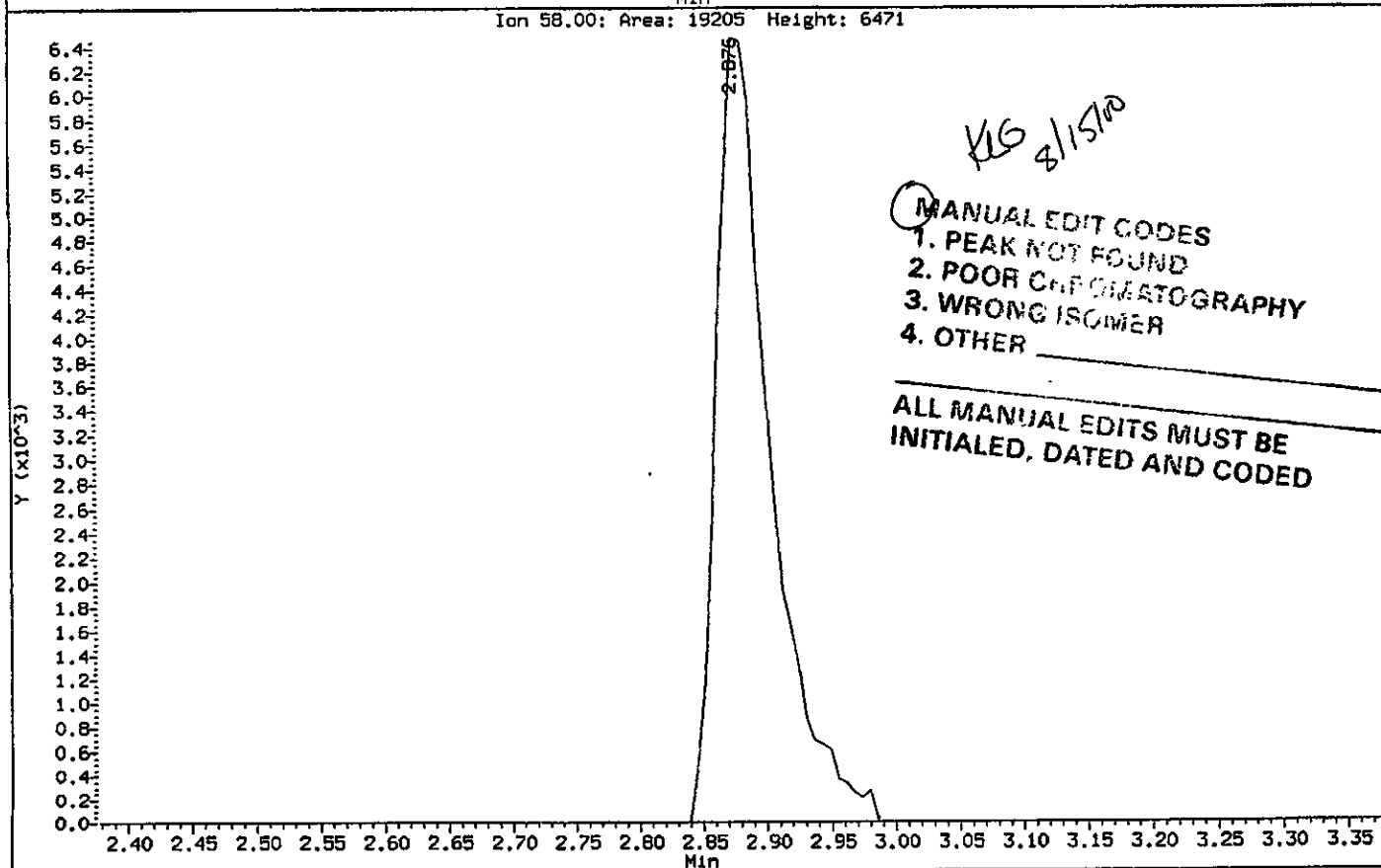
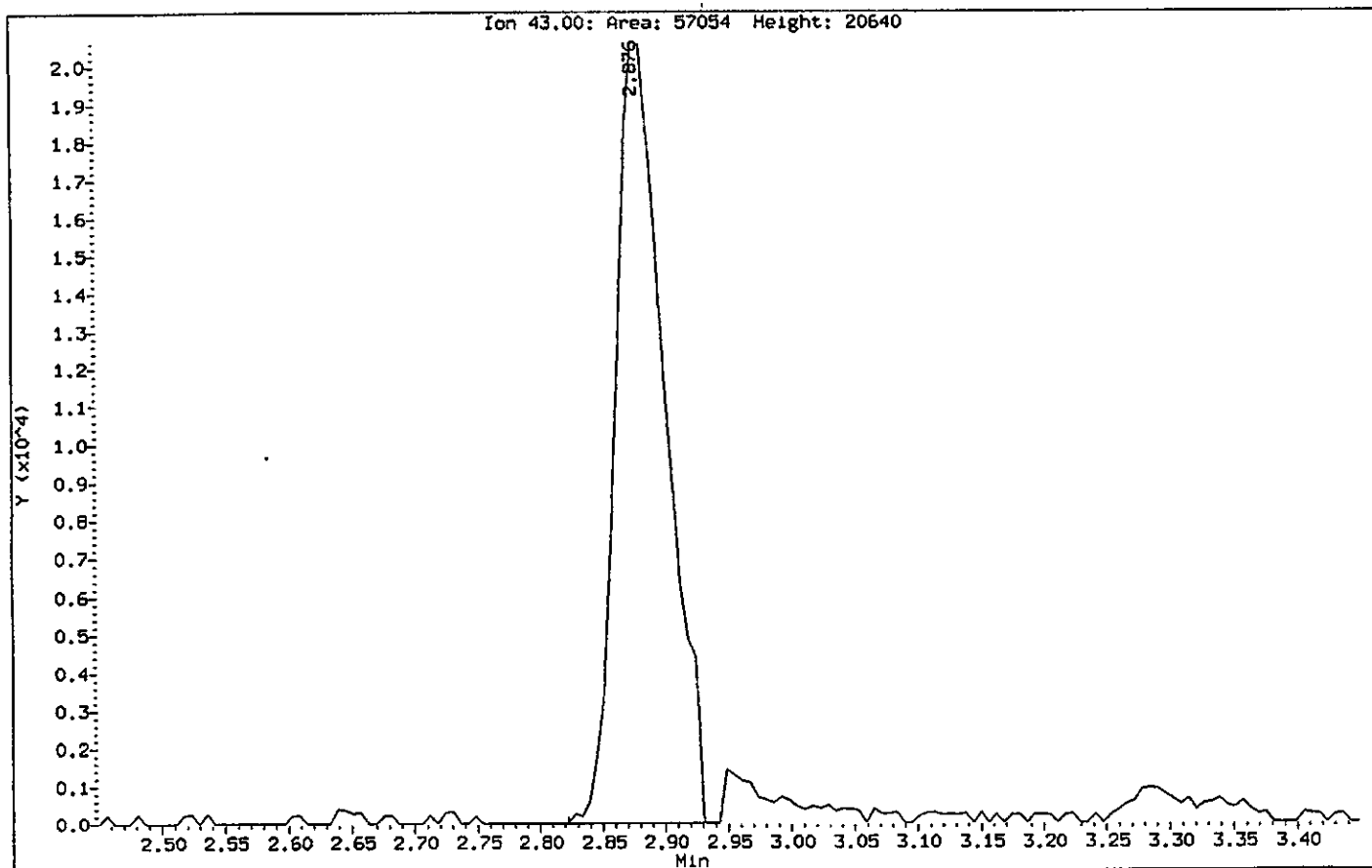
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ng)	ON-COL (ng)
18 Methylene Chloride	84	3.344	3.344	(0.507)	115889	250.000	242.8
19 trans-1,2-Dichloroethene	96	3.727	3.727	(0.565)	104266	250.000	237.6
20 Methyl tert-butyl ether	73	3.825	3.825	(0.580)	257973	250.000	242.2
24 1,1-Dichloroethane	63	4.384	4.384	(0.664)	232338	250.000	241.3
28 cis-1,2-dichloroethene	96	5.206	5.206	(0.789)	158335	250.000	238.2
M 29 1,2-Dichloroethene (total)	96				262601	500.000	475.9
31 2-Butanone	43	5.315	5.315	(0.805)	119293	250.000	197.5
37 Chloroform	83	5.644	5.644	(0.855)	237642	250.000	239.1
38 1,1,1-Trichloroethane	97	5.820	5.820	(0.882)	189462	250.000	240.0
41 Carbon Tetrachloride	117	6.021	6.021	(0.912)	160331	250.000	229.7
42 Benzene	78	6.264	6.264	(0.949)	624546	250.000	234.8
45 1,2-Dichloroethane	62	6.301	6.301	(0.955)	216236	250.000	230.1
47 Trichloroethene	130	7.006	7.006	(1.062)	158515	250.000	227.0
49 1,2-Dichloropropane	63	7.244	7.244	(1.098)	180690	250.000	229.4
50 Dibromomethane	93	7.365	7.365	(1.116)	88770	250.000	236.8
53 Bromodichloromethane	83	7.554	7.554	(1.145)	182164	250.000	238.9
57 cis-1,3-Dichloropropene	75	8.022	8.022	(1.216)	217847	250.000	231.5
58 4-Methyl-2-Pentanone	43	8.223	8.223	(0.844)	225684	250.000	227.9
60 Toluene	91	8.357	8.357	(0.858)	739276	250.000	238.1
61 trans-1,3-Dichloropropene	75	8.600	8.600	(0.883)	229015	250.000	233.5
64 1,1,2-Trichloroethane	97	8.777	8.777	(0.901)	142998	250.000	229.4
65 Tetrachloroethene	164	8.904	8.904	(0.914)	140983	250.000	211.1
66 2-Hexanone	43	9.063	9.063	(0.931)	162556	250.000	229.1
67 Dibromochloromethane	129	9.166	9.166	(0.941)	152520	250.000	237.5
68 1,2-Dibromoethane	107	9.263	9.263	(0.951)	150628	250.000	228.5
70 Chlorobenzene	112	9.762	9.762	(1.002)	519227	250.000	233.2
72 Ethylbenzene	106	9.884	9.884	(1.015)	285891	250.000	238.7
73 m + p-Xylene	106	10.000	10.000	(1.027)	691862	500.000	474.0
74 Xylene-o	106	10.389	10.389	(1.067)	331292	250.000	239.2
M 75 Xylenes (total)	106				1023154	250.000	738.7
76 Styrene	104	10.407	10.407	(1.069)	593230	250.000	239.4
77 Bromoform	173	10.584	10.584	(1.087)	98953	250.000	230.5
83 1,1,2,2-Tetrachloroethane	83	11.058	11.058	(0.917)	182199	250.000	220.2
84 1,2,3-Trichloropropane	110	11.095	11.095	(0.920)	60872	250.000	217.6
91 1,3-Dichlorobenzene	146	11.989	11.989	(0.994)	429040	250.000	231.2
93 1,4-Dichlorobenzene	146	12.074	12.074	(1.002)	439363	250.000	229.5
95 1,2-Dichlorobenzene	146	12.445	12.445	(1.032)	385926	250.000	229.0

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\qpitpa02\chem\hp3.1\30815d.b\CC30815.D
Injection Date: 15-AUG-2000 05:55
Instrument: hp3.1
Client Sample ID: VSTD50

Compound: Acetone
CAS Number: 67-64-1



GC/MS VOLATILE
QC DATA

Data File: \\QPITPA02\ID\chem\hp3.i\30810d.b\BF30810.D

Page 2

Date : 10-AUG-2000 06:30

Client ID: 31019D

Instrument: hp3.i

Sample Info: BFB 192-188-2 50NG

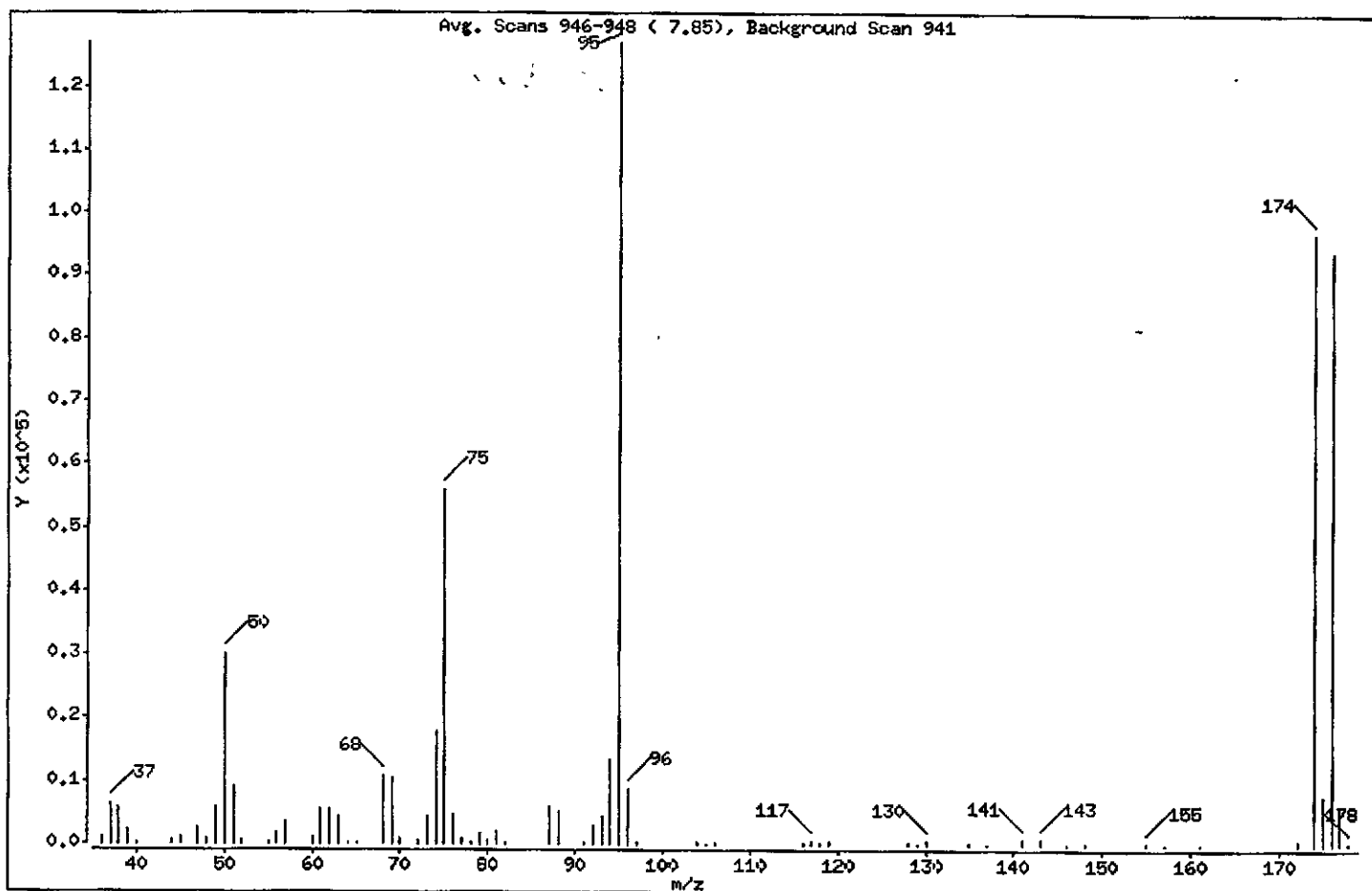
Volume Injected (uL): 1.0

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	23.64
75	30.00 - 60.00% of mass 95	44.19
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.43
175	5.00 - 9.00% of mass 174	8.94 (7.77)
176	95.00 - 101.00% of mass 174	74.04 (96.87)
177	5.00 - 9.00% of mass 176	4.93 (6.66)

Data File: \\QPITPA02\chem\hp3.i\30810d.b\BF30810.D

Page 3

Date : 10-AUG-2000 06:30

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: BF30810.D

Spectrum: Avg. Scans 946-948 (7.85), Background Scan 941

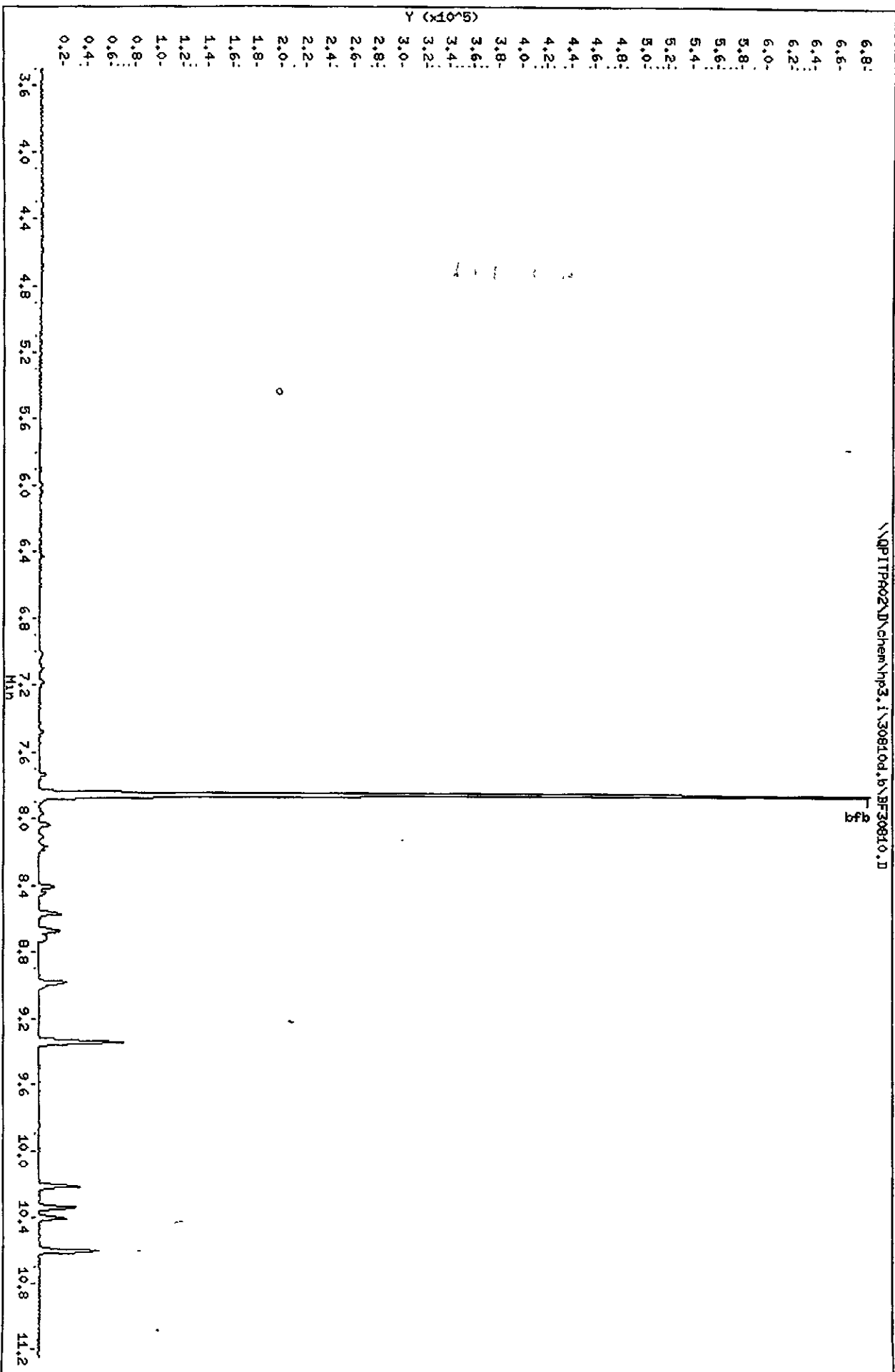
Location of Maximum: 98.00

Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1177	61.00	5423	82.00	395	129.00	78
37.00	6335	62.00	5523	87.00	5891	130.00	459
38.00	5927	63.00	4280	88.00	5314	135.00	197
39.00	2432	64.00	436	91.00	247	137.00	93
40.00	179	65.00	368	92.00	3023	141.00	997
44.00	648	68.00	10704	93.00	4462	143.00	950
45.00	1252	69.00	10533	94.00	13374	146.00	78
47.00	2625	70.00	783	95.00	126904	148.00	227
48.00	882	72.00	611	96.00	8649	155.00	292
49.00	5774	73.00	4489	97.00	241	157.00	104
50.00	29992	74.00	17816	104.00	410	161.00	75
51.00	9013	75.00	56072	105.00	81	172.00	655
52.00	495	76.00	4541	106.00	304	174.00	96992
55.00	408	77.00	861	116.00	398	175.00	7539
56.00	1837	78.00	375	117.00	575	176.00	93960
57.00	3426	79.00	1869	118.00	404	177.00	6260
58.00	69	80.00	560	119.00	456	178.00	152
60.00	1084	81.00	1939	128.00	265		

Data File: \\QIPITP002\JN\chem\hp3.i\30810d.b\BF30810.D
 Date : 10-AUG-2000 06:30
 Client ID: 31019D
 Sample Info: BFB 192-188-2 BONG
 Volume Injected (uL): 1.0
 Column phase: DB624 20m

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



Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\BF30815.D

Page 2

Date : 15-AUG-2000 05:26

Client ID: 31019D

Instrument: hp3.i

Sample Info: BFB 192-188-2 50NG

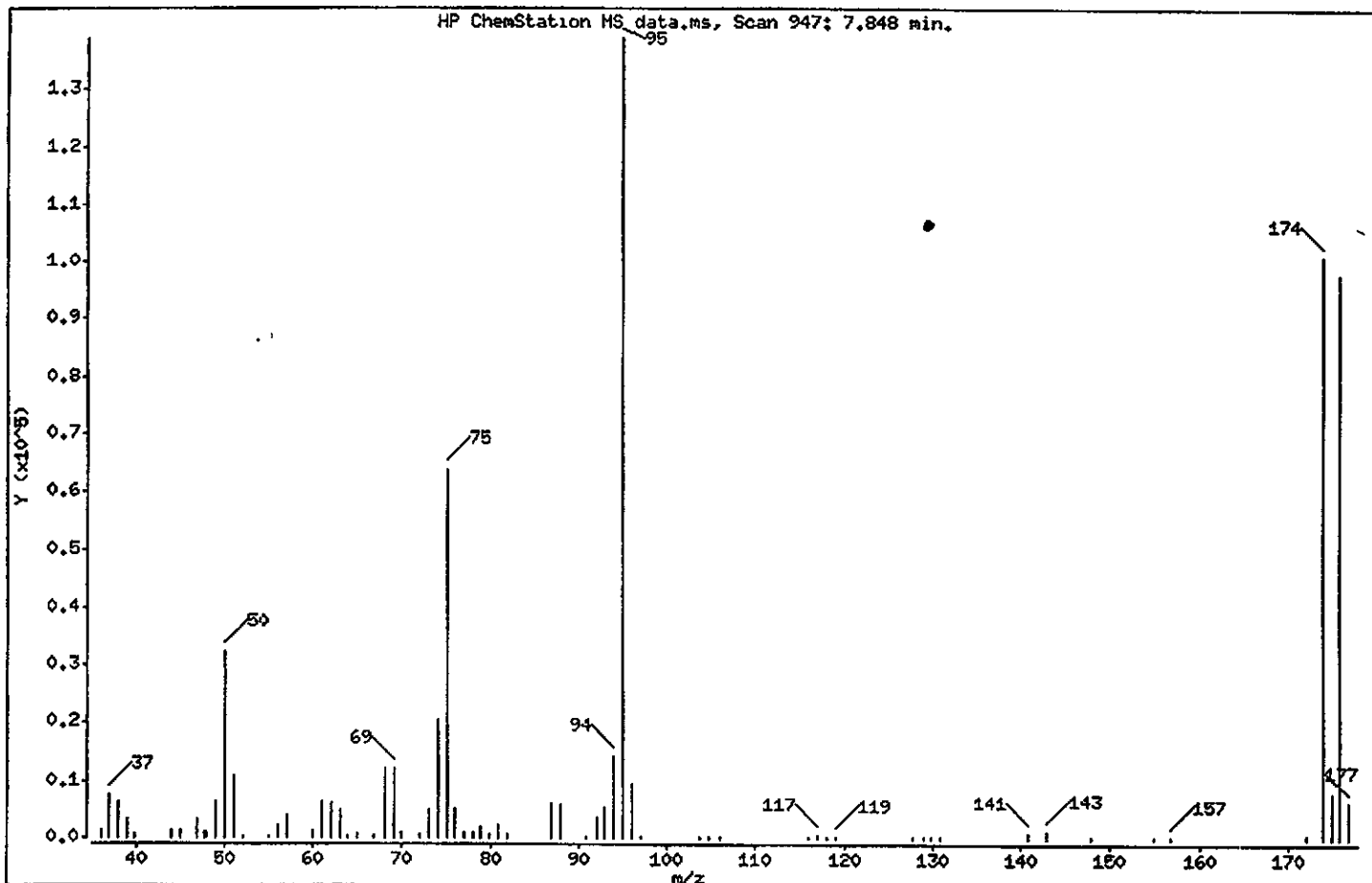
Volume Injected (uL): 1.0

Operator: 10099

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.26
75	30.00 - 60.00% of mass 95	46.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	72.79
175	5.00 - 9.00% of mass 174	5.78 (7.94)
176	95.00 - 101.00% of mass 174	70.39 (96.70)
177	5.00 - 9.00% of mass 176	4.54 (6.46)

Data File: \\epitpa02\d\chem\hp3.i\30815d.b\BF30815.D

Page 3

Date : 15-AUG-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: BF30815.D

Spectrum: HP ChemStation MS data.ms, Scan 947: 7.848 min.

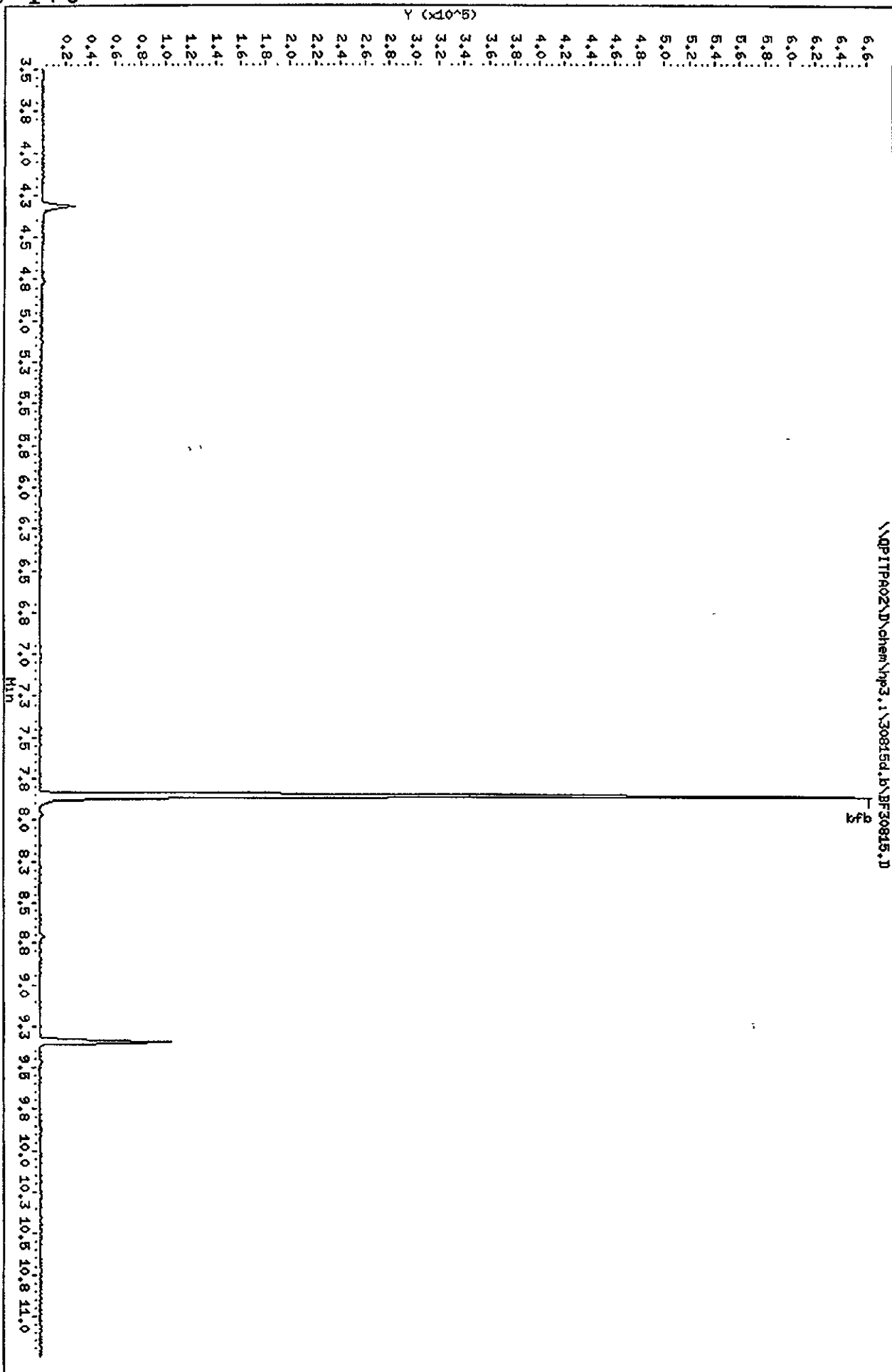
Location of Maximum: 95.00

Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	1139	61.00	6318	80.90	2234	127.80	357
37.00	7745	62.00	6135	81.90	558	129.00	220
38.00	6455	63.00	4660	87.00	6092	129.90	427
39.10	3124	64.00	462	88.00	5847	130.90	252
39.90	480	65.00	700	90.90	326	140.90	923
44.00	1311	66.90	325	92.00	3592	142.90	1164
45.00	1367	68.00	12034	93.00	5446	147.80	240
47.00	3234	69.00	12061	94.00	14465	154.90	254
47.70	868	70.00	879	95.00	138752	156.80	289
47.90	855	72.00	636	96.00	9433	172.00	669
49.00	6357	73.00	4673	97.00	318	173.90	101000
50.00	32280	74.00	20384	103.80	380	174.90	8017
51.00	10954	75.00	63832	104.80	287	175.90	97672
52.00	447	76.00	5134	105.90	461	176.90	6306
55.00	410	77.00	836	115.90	407		
56.00	2226	78.10	954	116.90	699		
57.00	3772	78.80	1935	117.90	349		
59.90	1256	79.90	769	119.00	479		

Data File: \\NPITPA02\chem\hp3.1\30815d.b\BF30815.D
 Date: 15-AUG-2000 05:26
 Client ID: 31019D
 Sample Info: BFB 192-188-2 SONG
 Volume Injected (uL): 1.0
 Column Phase: DB624 20m

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



UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150000 131

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/14/00

Work Order: DHTQ6101

Date Extracted: 08/15/00

Dilution factor: 1

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: INTRA-LAB BLANK

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	20	U
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: COH150000 131

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 08/14/00

Work Order: DHTQ6101

Date Extracted: 08/15/00

Dilution factor: 1

Date Analyzed: 08/15/00

Moisture %: NA

QC Batch: 0228131

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(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: \\qpltpa02\chem\hp3.1\30815d.b\MB30815.D

Date: 15-AUG-2000 06:30

Client ID:

Sample Info: WBLK SHL

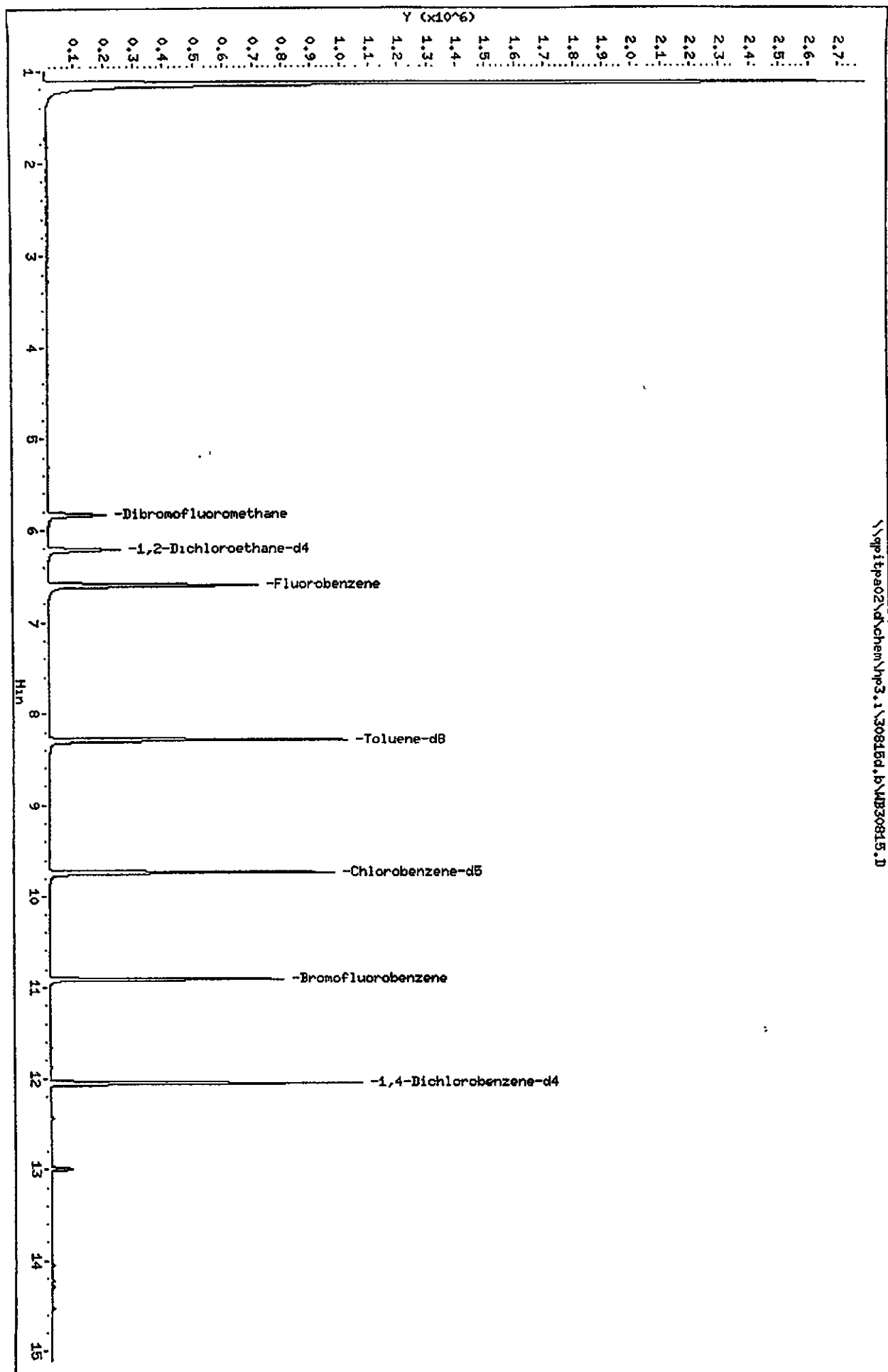
Purge Volume: 5.0

Column phase: DB 624

Instrument: hp3.1

Operator: 10099

Column diameter: 0.18



STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\WB30815.D

Lab Smp Id:

Inj Date : 15-AUG-2000 06:30

MS Autotune Date: 08-AUG-2000 16:28

Operator : 10099

Inst ID: hp3.i

Smp Info : VBLK 5ML

Misc Info : ,30815d.b,8260bh2o.m,1-tcl.sub

Comment :

Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m

Meth Date : 15-Aug-2000 07:13 gordonk

Quant Type: ISTD

Cal Date : 10-AUG-2000 09:06

Cal File: 1E30810.D

Als bottle: 3

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 1-tcl.sub

Target Version: 4.04

Processing Host: PITPC076

KLG
8/15/00

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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (UG/L)
* 46 Fluorobenzene	96	6.600	6.599	(1.000)	629565	250.000	
* 69 Chlorobenzene-d5	119	9.733	9.738	(1.000)	167025	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.051	12.056	(1.000)	279740	250.000	
\$ 39 Dibromofluoromethane	113	5.833	5.832	(0.884)	139281	237.218	47.44
\$ 43 1,2-Dichloroethane-d4	65	6.210	6.210	(0.941)	167043	246.777	49.36
\$ 59 Toluene-d8	98	8.291	8.290	(0.852)	631770	251.541	50.31
\$ 80 Bromofluorobenzene	95	10.907	10.906	(1.121)	255943	245.168	49.03
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	Compound Not Detected.					

Data File: \\gpitpa02\d\chem\hp3.i\30815d.b\WB30815.D
 Report Date: 15-Aug-2000 07:39

Page 2

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	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.					
28 cis-1,2-dichloroethane	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	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.					
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.					

668 182

Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\WB30815.D
Report Date: 15-Aug-2000 07:39

Page 3

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\WB30815.D
Lab Smp Id:
Inj Date : 15-AUG-2000 06:30 MS Autotune Date: 08-AUG-2000 16:28
Operator : 10099 Inst ID: hp3.i
Smp Info : VBLK 5ML
Misc Info : ,30815d.b,8260bh2o.m,1-tcl.sub
Comment :
Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m
Meth Date : 15-Aug-2000 07:13 gordonk Quant Type: ISTD
Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tcl.sub
Target Version: 4.04
Processing Host: PITPC076

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH150000 131
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/14/00
Work Order: DHTQ6102 Date Extracted: 08/15/00
Dilution factor: 1 Date Analyzed: 08/15/00
Moisture %: NA

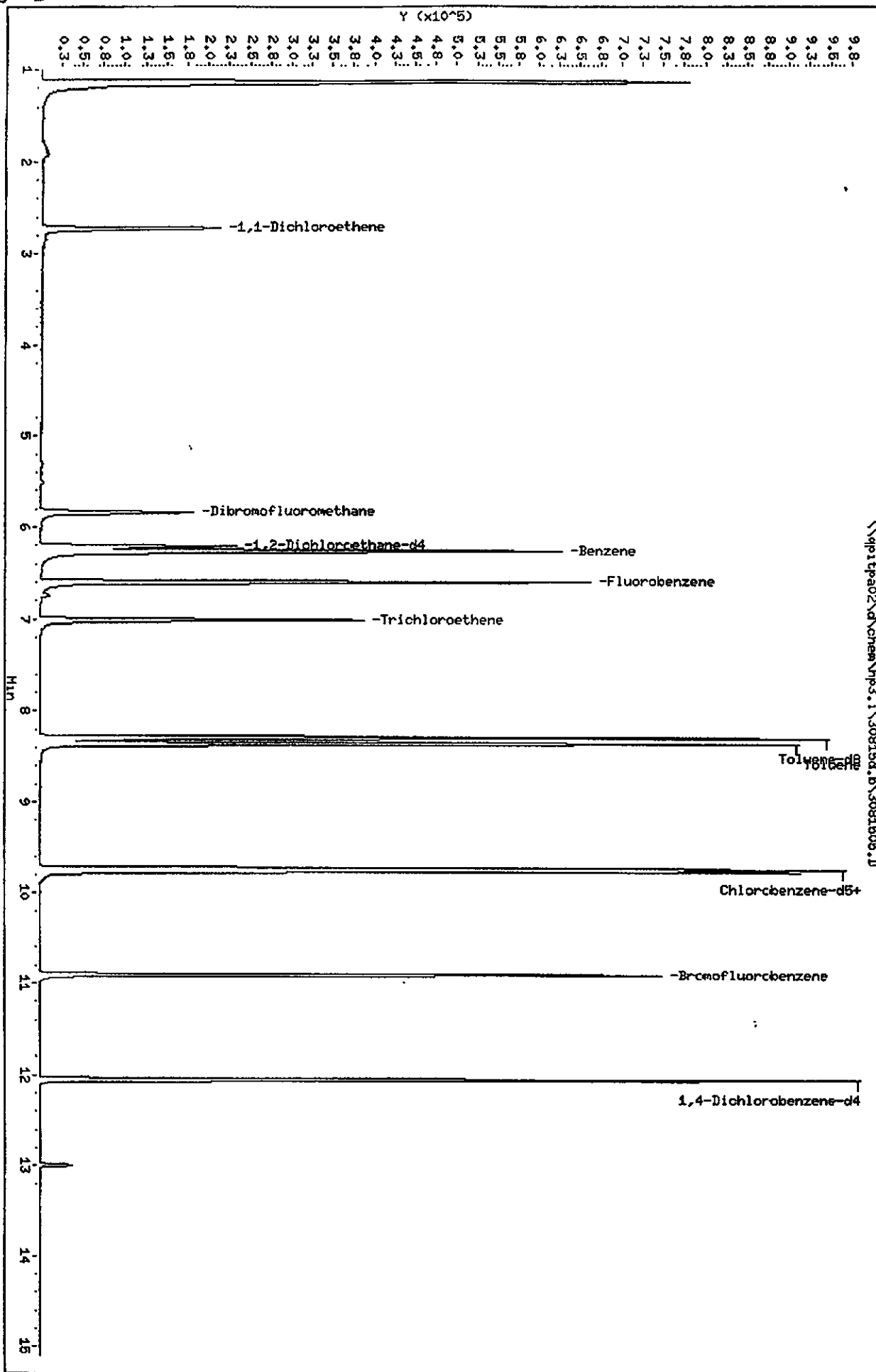
QC Batch: 0228131

Client Sample Id: CHECK SAMPLE

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
71-43-2	Benzene	43.2	
108-90-7	Chlorobenzene	42.2	
75-35-4	1,1-Dichloroethene	46.6	
108-88-3	Toluene	42.6	
79-01-6	Trichloroethene	41.5	

Data File: \\pittpa02\chem\hp3.1\30815d.b\3081505.D
 Date: 15-AUG-2000 08:22
 Client ID:
 Sample Info: BLANK HS SHL
 Purge Volume: 5.0
 Column phase: DB 624

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



Data File: \\qpitpa02\d\chem\hp3.i\30815d.b\3081505.D
 Report Date: 15-Aug-2000 08:53

Page 1

STL Pittsburgh

VOLATILE REPORT SW-846 Method
 Data file : \\qpitpa02\d\chem\hp3.i\30815d.b\3081505.D
 Lab Smp Id:
 Inj Date : 15-AUG-2000 08:22 MS Autotune Date: 08-AUG-2000 16:28
 Operator : 10099 Inst ID: hp3.i
 Smp Info : BLANK MS SML
 Misc Info : ,30815d.b,8260bh2o.m,1-tcl.sub
 Comment :
 Method : \\QPITPA02\D\chem\hp3.i\30815d.b\8260bh2o.m
 Meth Date : 15-Aug-2000 07:13 gordonk Quant Type: ISTD
 Cal Date : 10-AUG-2000 09:06 Cal File: 1E30810.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC076

K6
8/15/00

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	6.605	6.599	(1.000)	596267	250.000	
* 69 Chlorobenzene-d5	119	9.732	9.738	(1.000)	162542	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.050	12.056	(1.000)	264072	250.000	
\$ 39 Dibromofluoromethane	113	5.839	5.832	(0.884)	135961	244.495	48.90
\$ 43 1,2-Dichloroethane-d4	65	6.210	6.210	(0.940)	172198	268.599	53.72
\$ 59 Toluene-d8	98	8.291	8.290	(0.852)	592080	242.240	48.45
\$ 80 Bromofluorobenzene	95	10.906	10.906	(1.121)	239592	235.835	47.17
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	2.730	2.705	(0.413)	89938	233.060	46.61
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		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.			
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				Compound Not Detected.			
38 1,1,1-Trichloroethane	97				Compound Not Detected.			
41 Carbon Tetrachloride	117				Compound Not Detected.			
42 Benzene	78	6.271	6.264	(0.949)	544383		215.948	43.19
45 1,2-Dichloroethane	62				Compound Not Detected.			
47 Trichloroethene	130	7.013	7.006	(1.062)	137486		207.717	41.54
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	8.357	8.357	(0.859)	629873		213.056	42.61
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	9.763	9.762	(1.003)	447493		211.079	42.22
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.			

GC/MS VOLATILE
MISCELLANEOUS

GCMS Volatile Run Log

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



Method: Std HP3

Inst. ID HP3

Analyst KLG

Reviewed by: _____

Date: _____

Std: 192-188-2BFB Std: 192-187-5Int Std: 192-188-11VGA Std: 192-186-6Ketones
Std: 192-186-7M186132 Std: 192-187-4MS Std: _____ Std: _____

Date	File ID	Lot No. / Sample No.	Vol. / Wt.	pH	Port#	Comments
8/10/00	1. BF30810	BFB	50ng			0630
	2. 0030810	VS150	5ml			
	3. 1130810	VS15	5ml			
	4. 1830810	VS120	5ml			
	5. 1D30810	VS1100	5ml			
	6. 1E30810	VS1200	5ml			
	7.					
	8.					
	9.					
	10.					
	11.					
	12.					
	13.					
	14.					
	15.					
	16.					
	17.					
	18.					
	19.					
	20.					
	21.					
	22.					

GCMS Volatile**Run Log**

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

Method: 82603Inst. ID 403Analyst KLG

Reviewed by: _____

Date: _____

Std: 192-188-2BFB Std: 192-189-1 LntStd: 192-186-6 Ketone Std: 192-188-10 MTBE KS2Std: 192-188-11 NoA Std: 192-187-4 MS

Std: _____ Std: _____

Date	File ID	Lot No. /Sample No.	Vol. /Wt.	pH	Port#	Comments
8/15/00	1. BFB	BFB	50mg			0526
	2. 030815	YK150	5ml			
	3. 0820815	VBK	5ml			
	4. 3081501	00H14012-003	5ml	1		
	5. 3081502	00H14012-007	5ml	1		
	6. 3081503	00H14012-008	5ml	1		
	7. 3081504	00H14012-009	5ml	1		
	8. 3081505	B10nL MS	5ml			
	9. 3081506	00H14012-011	5ml	1		
	10. 3081507	00H14012-013	5ml	1		
	11. 3081508	00H14012-009 MS	5ml	1		
	12. 3081509	00H14012-009 MSB	5ml	1		
	13. 3081510	00H110129-003	5ml	1		
	14. 3081511	00H110129-007	5ml	1		
	15. 3081512	00H110129-008	5ml	1		
	16. 3081513	00H090142-001	(1ml)(1ml)(50ml)(10ml)(5ml)	8		Need further data
	17. 3081514	00H090142-002	5ml	1		2 clear
	18. 3081515	00H090142-001	(1ml)(1ml)(100ml)(10ml)(5ml)	8		
	19. 3081516	00H090142-002	5ml	1		
	20. 3081517	00H150133-003	5ml	1		TB081402-01
	21. 3081518	00H150146-001	(1ml)(10ml)(5ml)	1		need XSD total
	22. 3081519	VBK	5ml			

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Logbook ID : MS-00-0061

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GCMS Volatile Run Log

SDS same as prior page

Method: 8260B Inst. ID HP3

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



Analyst KLG

Reviewed by: _____

Date: _____

Std: _____

Std: _____

Std: _____

Std: _____

Std: _____

Std: _____

Std: _____

Std: _____

Date	File ID	Lot No. / Sample No.	Vol. / Wt.	pH	Port#	Comments
8/19/00	1. 3081520	604150146-001	(1ml/50ml) 15ml	1		
	2. 3081521	Blank MS	5ml			
	3. 3081522					
	4.					
	5.					
	6.					
	7.					
	8.					
	9.					
	10.					
	11.					
	12.					
	13.					
	14.					
	15.					
	16.					
	17.					
	18.					
	19.					
	20.					
	21.					
	22.					

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Logbook ID : MS-00-0061

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PSR024 8/15/00 10:42:31 MT

SAMPLE CUSTODIAN REMOVAL REQUEST

PAGE 001

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>
22D CLP1	DHV7M-1-01	_____	259184	399411	I-15-QK	COH150146	001	/	WATER <i>RR</i>	0	12 1

RELINQUISHED BYRECEIVED BYDATE/TIME

<i>CLP1</i>	<i>Kathy Gordon</i>	<i>8/15/00 1200</i>
<i>Kathy Gordon</i>	<i>WFO</i>	<i>8/15/00 1415</i>

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

GC/MS SEMIVOLATILE DATA

**GC/MS SEMIVOLATILE
QC SUMMARY**

668 194

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

QESSDG:

Lot #: C0H150146

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	DF/S1/0227/IDW/003	3.2*	78	70	72	30	62	01
02	DF/S1/0227/IDW/003 RE-1	9.8*	18 *	67	3.8*	0.0*	0.0*	05
03	METHOD BLK. DJD4V101	70	61	64	70	65	68	00
04	METHOD BLK. DJ225101	72	74	76	70	65	88	00
05	LCS DJD4V102	72	69	69	68	67	75	00
06	LCS DJ225102	65	68	69	55	58	74	00
07	LCSD DJD4V103	83	75	75	77	77	85	00
08	LCSD DJ225103	67	72	70	57	61	79	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

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H170000

WO #: DJ225102

BATCH: 0230354

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	46.2	62	10- 131	
2-Chlorophenol	75.0	49.0	65	19- 124	
1,4-Dichlorobenzene	50.0	32.7	65	28- 110	
N-Nitrosodi-n-propylamine	50.0	32.0	64	30- 115	
1,2,4-Trichlorobenzene	50.0	33.6	67	31- 110	
4-Chloro-3-methylphenol	75.0	55.5	74	29- 124	
Acenaphthene	50.0	35.6	71	39- 118	
4-Nitrophenol	75.0	58.4	78	19- 144	
2,4-Dinitrotoluene	50.0	29.1	58	47- 131	
Pentachlorophenol	75.0	58.3	78	10- 140	
Pyrene	50.0	28.4	57	46- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

668 196

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H170000

WO #: DJ225103

BATCH: 0230354

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Phenol	75.0	47.5	63	10- 131	
2-Chlorophenol	75.0	52.0	69	19- 124	
1,4-Dichlorobenzene	50.0	34.1	68	28- 110	
N-Nitrosodi-n-propylamine	50.0	34.2	68	30- 115	
1,2,4-Trichlorobenzene	50.0	35.6	71	31- 110	
4-Chloro-3-methylphenol	75.0	57.2	76	29- 124	
Acenaphthene	50.0	35.8	72	39- 118	
4-Nitrophenol	75.0	58.3	78	19- 144	
2,4-Dinitrotoluene	50.0	30.1	60	47- 131	
Pentachlorophenol	75.0	65.9	88	10- 140	
Pyrene	50.0	29.4	59	46- 130	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H240000

WO #: DJD4V102

BATCH: 0237329

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Acenaphthene	50.0	34.6	69	39- 118	
4-Nitrophenol	75.0	49.4	66	19- 144	
2,4-Dinitrotoluene	50.0	32.4	65	47- 131	
Pentachlorophenol	75.0	68.8	92	10- 140	
Pyrene	50.0	34.0	68	46- 130	
Phenol	75.0	48.6	65	10- 131	
2-Chlorophenol	75.0	53.3	71	19- 124	
1,4-Dichlorobenzene	50.0	34.8	70	28- 110	
N-Nitrosodi-n-propylamine	50.0	36.6	73	30- 115	
1,2,4-Trichlorobenzene	50.0	35.3	71	31- 110	
4-Chloro-3-methylphenol	75.0	53.7	72	29- 124	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

668 198

SW846 8270C CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H240000

WO #: DJD4V103

BATCH: 0237329

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Phenol	75.0	57.5	77	10- 131	
2-Chlorophenol	75.0	61.2	82	19- 124	
1,4-Dichlorobenzene	50.0	38.4	77	28- 110	
N-Nitrosodi-n-propylamine	50.0	42.6	85	30- 115	
1,2,4-Trichlorobenzene	50.0	37.9	76	31- 110	
4-Chloro-3-methylphenol	75.0	60.9	81	29- 124	
Acenaphthene	50.0	38.6	77	39- 118	
4-Nitrophenol	75.0	54.3	72	19- 144	
2,4-Dinitrotoluene	50.0	36.0	72	47- 131	
Pentachlorophenol	75.0	75.5	101	10- 140	
Pyrene	50.0	39.0	78	46- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DJ225101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: D0821005.

Lot Number: C0H150146

Date Analyzed: 08/21/00

Time Analyzed: 14:37

Matrix: WATER

Date Extracted: 08/16/00

GC Column: HP5MS ID: .25

Extraction Method: 3520C

Instrument ID: 721

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/S1/0227/IDW/003	DHV7M102	D0821008.	08/21/00	16:19
02	CHECK SAMPLE	DJ225102 C	D0821006.	08/21/00	15:19
03	DUPLICATE CHECK	DJ225103 L	D0821007.	08/21/00	15:49
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:

668 200

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.

DJD4V101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: F0825001.

Lot Number: C0H150146

Date Analyzed: 08/25/00

Time Analyzed: 15:22

Matrix: WATER

Date Extracted: 08/23/00

GC Column: CAP

ID: .25

Extraction Method: 3520C

Instrument ID: 722

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/S1/0227/IDW/003	DHV7M202	F0828001.	08/28/00	08:19
02	CHECK SAMPLE	DJD4V102 C	F0825002.	08/25/00	15:56
03	DUPLICATE CHECK	DJD4V103 L	F0825003.	08/25/00	16:30
04					
05					
06					
07					
08					
09					
10					
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12					
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26					
27					
28					
29					
30					

COMMENTS:

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)
PERFORMANCE CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: -

Lab File ID: D0818DFT

DFTPP Injection Date: 08/18/00

Instrument ID: 721

DFTPP Injection Time: 1313

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.8
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	6.2
275	10.0 - 30.0% of mass 198	23.5
365	Greater than 1.0% of mass 198	1.31
441	Present, but less than mass 443	11.7
442	Greater than 40.0% of mass 198	82.1
443	17.0 - 23.0% of mass 442	15.1 (18.4)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	SSTD020	SSTD20	D0818CC1	08/18/00	1334
02	SSTD050	SSTD50	D0818CC2	08/18/00	1404
03	SSTD080	SSTD80	D0818CC3	08/18/00	1434
04	SSTD120	SSTD120	D0818CC4	08/18/00	1504
05	SSTD160	SSTD160	D0818CC5	08/18/00	1533
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

668 202

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID: F0825DF1

DFTPP Injection Date: 08/25/00

Instrument ID: 722

DFTPP Injection Time: 1214

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	36.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.0
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	7.7
275	10.0 - 30.0% of mass 198	26.8
365	Greater than 1.0% of mass 198	4.66
441	Present, but less than mass 443	10.6
442	40.0 - 100.0% of mass 198	69.5
443	17.0 - 23.0% of mass 442	14.3 (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	SSTD050	SSTD050	F08250C1	08/25/00	1231
02	SSTD20	SSTD020	F08250C2	08/25/00	1305
03	SSTD80	SSTD080	F08250C3	08/25/00	1339
04	SSTD120	SSTD120	F08250C4	08/25/00	1413
05	SSTD160	SSTD160	F08250C5	08/25/00	1447
06					
07					
08					
09					
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11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID: D0821DFT

DFTPP Injection Date: 08/21/00

Instrument ID: 721

DFTPP Injection Time: 1147

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	45.5
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	6.5
275	10.0 - 30.0% of mass 198	23.6
365	Greater than 1.0% of mass 198	1.48
441	Present, but less than mass 443	7.1
442	Greater than 40.0% of mass 198	74.5
443	17.0 - 23.0% of mass 442	14.6 (19.6)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	D0821CCC	08/21/00	1207
02	INTRA-LAB BL	DJ225101	D0821005	08/21/00	1437
03	LCS	DJ225102	D0821006	08/21/00	1519
04	LCSD	DJ225103	D0821007	08/21/00	1549
05	DF/S1/0227/I	DHV7M102	D0821008	08/21/00	1619
06					
07					
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22					

668 204

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

C04150146

Lab File ID: F0825DF1

DFTPP Injection Date: 08/25/00

Instrument ID: 722

DFTPP Injection Time: 1214

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	36.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.0
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	7.7
275	10.0 - 30.0% of mass 198	26.8
365	Greater than 1.0% of mass 198	4.66
441	Present, but less than mass 443	10.6
442	40.0 - 100.0% of mass 198	69.5
443	17.0 - 23.0% of mass 442	14.3 (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	SSTD050	SSTD050	F08250C1	08/25/00	1231
02	SSTD20	SSTD020	F08250C2	08/25/00	1305
03	SSTD80	SSTD080	F08250C3	08/25/00	1339
04	SSTD120	SSTD120	F08250C4	08/25/00	1413
05	SSTD160	SSTD160	F08250C5	08/25/00	1447
06	INTRA-LAB BL	DJD4V101	F0825001	08/25/00	1522
07	INTRA-LAB CH	DJD4V102	F0825002	08/25/00	1556
08	INTRA-LAB CH	DJD4V103	F0825003	08/25/00	1630
09					
10					
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22					

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID: F0828DF1

DFTPP Injection Date: 08/28/00

Instrument ID: 722

DFTPP Injection Time: 0724

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.9
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	6.1
275	10.0 - 30.0% of mass 198	24.8
365	Greater than 1.0% of mass 198	4.31
441	Present, but less than mass 443	9.5
442	40.0 - 100.0% of mass 198	59.5
443	17.0 - 23.0% of mass 442	10.3 (17.3)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	SSTD050	F08280C1	08/28/00	0741
02	DF/S1/0227/I	DHV7M202	F0828001	08/28/00	0819
03					
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT Case No.:

SAS No.:

SDG No.: C0H150146

Lab File ID (Standard): D0821CCC

Date Analyzed: 08/21/00

Instrument ID: 721

Time Analyzed: 1207

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	141728	4.62	471489	5.84	256912	8.41
UPPER LIMIT	283456	5.12	942978	6.34	513824	8.91
LOWER LIMIT	70864	4.12	235745	5.34	128456	7.91
=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	96356	4.62	331171	5.84	186500	8.42
02 LCS	94092	4.62	315741	5.84	171543	8.41
03 LCSD	103753	4.62	358484	5.84	194567	8.41
04 DF/S1/0227/I	118358	4.63	431992	5.86	221683	8.45
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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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT Case No.:

SAS No.:

SDG No.: COH150146

Lab File ID (Standard): D0821CCC

Date Analyzed: 08/21/00

Instrument ID: 721

Time Analyzed: 1207

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	459169	11.29	377055	17.13	315036	20.10
UPPER LIMIT	918338	11.79	754110	17.63	630072	20.60
LOWER LIMIT	229585	10.79	188528	16.63	157518	19.60
=====	=====	=====	=====	=====	=====	=====
CLIENT SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	324404	11.30	380826	17.15	313357	20.11
02 LCS	308780	11.30	381758	17.14	282595	20.11
03 LCSD	340227	11.30	406572	17.14	304947	20.11
04 DF/S1/0227/I	401027	11.36	453668	17.21	206598	20.14
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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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08250C5

Date Analyzed: 08/25/00

Instrument ID: 722

Time Analyzed: 1447

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	98536	5.13	356242	6.68	225157	9.74
UPPER LIMIT	197072	5.63	712484	7.18	450314	10.24
LOWER LIMIT	49268	4.63	178121	6.18	112579	9.24
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	121392	5.12	510486	6.66	318852	9.72
02 INTRA-LAB CH	99947	5.12	405763	6.67	248884	9.73
03 INTRA-LAB CH	93082	5.12	395037	6.67	242950	9.73
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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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08250C5

Date Analyzed: 08/25/00

Instrument ID: 722

Time Analyzed: 1447

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	440802	13.06	431864	19.72	276584	23.09
UPPER LIMIT	881604	13.56	863728	20.22	553168	23.59
LOWER LIMIT	220401	12.56	215932	19.22	138292	22.59
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 INTRA-LAB BL	548249	13.03	421068	19.67	266543	23.04
02 INTRA-LAB CH	464967	13.04	439609	19.69	293344	23.06
03 INTRA-LAB CH	453286	13.05	402794	19.69	269297	23.06
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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.

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08280C1

Date Analyzed: 08/28/00

Instrument ID: 722

Time Analyzed: 0741

	IS1 (DCB)	RT #	IS2 (NPT)	RT #	IS3 (ANT)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	84014	5.09	324926	6.64	203632	9.69
UPPER LIMIT	168028	5.59	649852	7.14	407264	10.19
LOWER LIMIT	42007	4.59	162463	6.14	101816	9.19
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 DF/S1/0227/I	76575	5.09	324118	6.63	180854	9.68
02						
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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

668 211

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Lab File ID (Standard): F08280C1

Date Analyzed: 08/28/00

Instrument ID: 722

Time Analyzed: 0741

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	406676	13.00	238068	19.65	164335	23.02
UPPER LIMIT	813352	13.50	476136	20.15	328670	23.52
LOWER LIMIT	203338	12.50	119034	19.15	82168	22.52
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 DF/S1/0227/I	321201	13.01	344105	19.66	287323	23.02
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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.

668 212

**GC/MS SEMIVOLATILE
SAMPLE DATA**

UXB INTERNATIONAL

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

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
110-86-1	Pyridine	20	U
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	30	
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M102

Date Extracted: 08/16/00

Dilution factor: 1

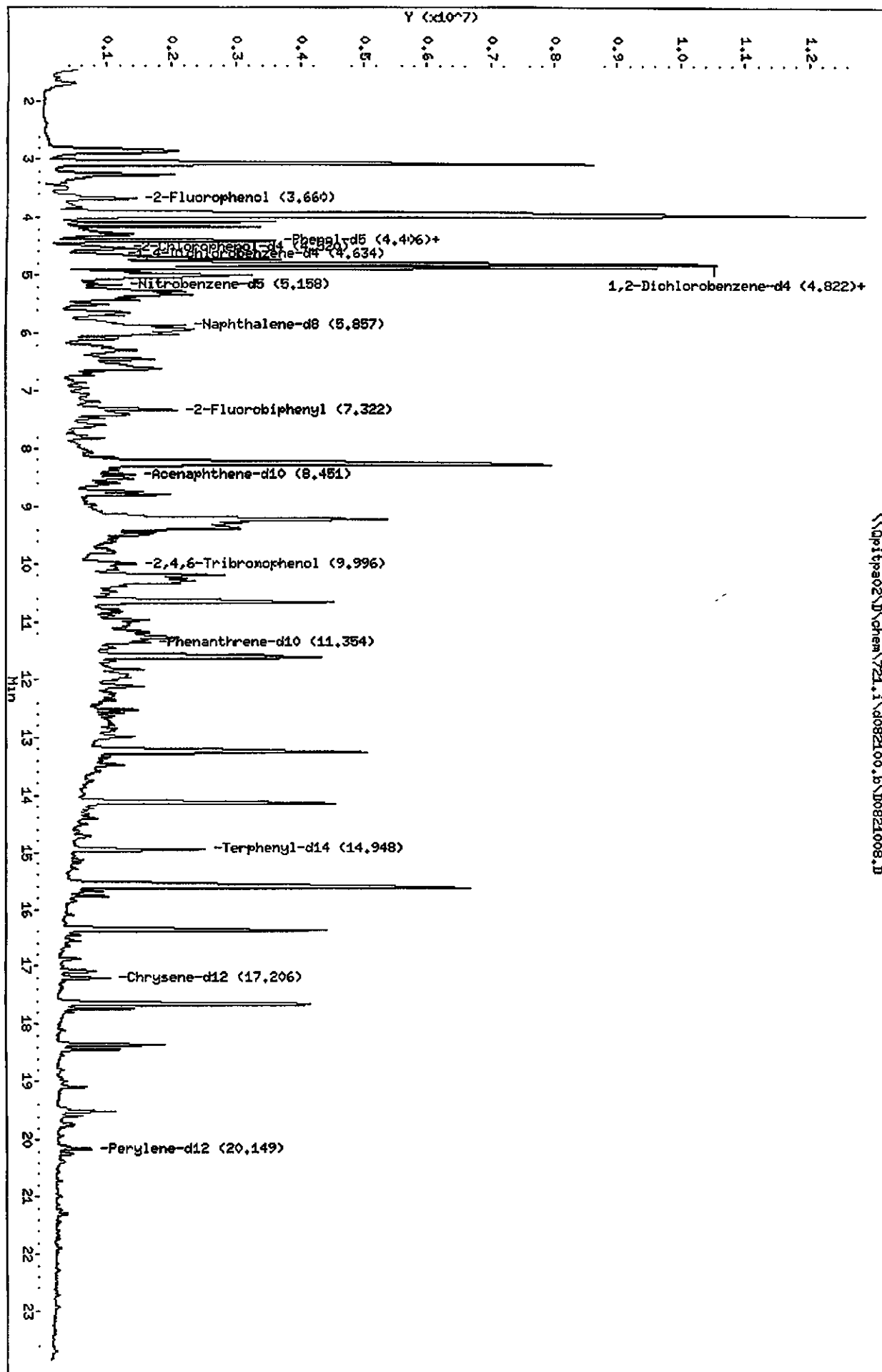
Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U
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



Data File: \\Opitpa02.D\\chem\\721.i\\082100.b\\D0821008.D
Date: 21-AUG-2000 16:19
Client ID: DF/S4/0227/TM/003
Sample Info: 001B0146-001 h2o 8/16/00 8270c
Volume Injected (ul): 2.0
Column phase: Hp5-MS

Instrument: 721.i
Operator: 001562, ILF
Column diameter: 0.25

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821008.D
 Report Date: 23-Aug-2000 07:37

Page 1

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d082100.b\D0821008.D
 Lab Smp Id: DHV7M102 Client Smp ID: DF/S1/0227/IDW/003
 Inj Date : 21-AUG-2000 16:19
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : c0h150146-001 h2o 8/16/00 8270c
 Misc Info : dhv7m102,d082100.b,8270c.m,3-root.sub
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d082100.b\8270c.m
 Meth Date : 21-Aug-2000 13:08 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC013

DLF
8-23-00

Compound Sublist: 3-root.sub

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

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)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.634	4.616	(1.000)	118358	40.0000	(Q)
* 2 Naphthalene-d8	136	5.857	5.839	(1.000)	431992	40.0000	
* 3 Acenaphthene-d10	164	8.450	8.412	(1.000)	221683	40.0000	
* 4 Phenanthrene-d10	188	11.360	11.288	(1.000)	401027	40.0000	
* 5 Chrysene-d12	240	17.205	17.134	(1.000)	453668	40.0000	
* 6 Perylene-d12	264	20.142	20.104	(1.000)	206598	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	4.412	4.387	(0.952)	1384312	296.589	148.29 (AQ) <i>NA</i>
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					

668 218

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821008.D
Report Date: 23-Aug-2000 07:37

Page 2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
27 1,4-Dichlorobenzene	146				Compound Not Detected.		
28 1,2-Dichlorobenzene	146				Compound Not Detected.		
29 Benzyl Alcohol	108	4.835	4	757 (1.043)	240530	89.3998	44.700 (QH) NA
30 2-Methylphenol	108				Compound Not Detected.		
31 2,2'-oxybis(1-Chloropropane)	45				Compound Not Detected.		
32 N-Nitroso-di-n-propylamine	70				Compound Not Detected.		
192 4-Methylphenol	108				Compound Not Detected.		
34 Hexachloroethane	117	5.077	5.066	(1.096)	4940	2.55604	1.2780 (aQ)
35 Nitrobenzene	77				Compound Not Detected.		
41 Isophorone	82				Compound Not Detected.		
42 2-Nitrophenol	139				Compound Not Detected.		
43 2,4-Dimethylphenol	107				Compound Not Detected.		
44 bis(2-Chloroethoxy)methane	93				Compound Not Detected.		
48 2,4-Dichlorophenol	162				Compound Not Detected.		
49 Benzoic Acid	122	6.031	5.637	(1.030)	1003591	388.275	194.14 (AH) NA
50 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
51 Naphthalene	128				Compound Not Detected.		
52 4-Chloroaniline	127				Compound Not Detected.		
56 Hexachlorobutadiene	224				Compound Not Detected.		
59 4-Chloro-3-Methylphenol	107				Compound Not Detected.		
62 2-Methylnaphthalene	142				Compound Not Detected.		
63 1-Methylnaphthalene	142				Compound Not Detected.		
64 Hexachlorocyclopentadiene	236				Compound Not Detected.		
66 2,4,6-Trichlorophenol	196				Compound Not Detected.		
67 2,4,5-Trichlorophenol	196				Compound Not Detected.		
70 2-Chloronaphthalene	162				Compound Not Detected.		
73 2-Nitroaniline	65				Compound Not Detected.		
76 Dimethylphthalate	163				Compound Not Detected.		
78 2,6-Dinitrotoluene	165				Compound Not Detected.		
79 Acenaphthylene	152				Compound Not Detected.		
81 3-Nitroaniline	138				Compound Not Detected.		
82 Acenaphthene	153				Compound Not Detected.		
83 2,4-Dinitrophenol	184				Compound Not Detected.		
85 4-Nitrophenol	109				Compound Not Detected.		
86 Dibenzofuran	168				Compound Not Detected.		
87 2,4-Dinitrotoluene	165				Compound Not Detected.		
91 2,3,5,6-Tetrachlorophenol	231				Compound Not Detected.		
88 2,3,4,6-Tetrachlorophenol	231				Compound Not Detected.		
92 2-Naphthylamine	143				Compound Not Detected.		
93 Diethylphthalate	149				Compound Not Detected.		
94 Fluorene	166				Compound Not Detected.		
95 4-Chlorophenyl-phenylether	204				Compound Not Detected.		
96 4-Nitroaniline	138				Compound Not Detected.		
98 4,6-Dinitro-2-methylphenol	198				Compound Not Detected.		
99 N-Nitrosodiphenylamine (1)	169				Compound Not Detected.		
100 1,2-Diphenylhydrazine	77				Compound Not Detected.		
106 4-Bromophenyl-phenylether	248				Compound Not Detected.		

Data File: \\Qp1tpa02\D\chem\721.i\d082100.b\D0821008.D
Report Date: 23-Aug-2000 07:37

Page 3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
107 Hexachlorobenzene	283				Compound Not Detected.		
111 Pentachlorophenol	265				Compound Not Detected.		
115 Phenanthrene	178				Compound Not Detected.		
116 Anthracene	178				Compound Not Detected.		
119 Carbazole	167				Compound Not Detected.		
120 Di-n-Butylphthalate	149				Compound Not Detected.		
123 Fluoranthene	202				Compound Not Detected.		
124 Benzidine	184				Compound Not Detected.		
125 Pyrene	202				Compound Not Detected.		
131 Butylbenzylphthalate	149	16.238	16.166	(0.944)	5518	0.76654	0.38327(aQ)
135 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
136 Benzo(a)Anthracene	228				Compound Not Detected.		
137 Chrysene	228				Compound Not Detected.		
139 bis(2-ethylhexyl)Phthalate	149	17.642	17.591	(1.025)	573901	59.1424	29.571
140 Di-n-octylphthalate	149	18.939	18.908	(0.940)	78002	7.88846	3.9442(a)
141 Benzo(b)fluoranthene	252				Compound Not Detected.		
142 Benzo(k)fluoranthene	252				Compound Not Detected.		
143 7,12-dimethylbenz[a]anthracene	256				Compound Not Detected.		
146 Benzo(a)pyrene	252				Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
150 Dibenz(a,h)anthracene	278				Compound Not Detected.		
151 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 154 Nitrobenzene-d5	82	5.158	5.133	(0.881)	299193	70.2713	35.136
\$ 155 2-Fluorobiphenyl	172	7.322	7.297	(0.866)	560950	77.6583	38.829
\$ 156 Terphenyl-d14	244	14.968	14.890	(0.870)	789714	72.4057	36.203
\$ 157 Phenol-d5	99	4.439	4.367	(0.958)	22935	4.81434	2.4072(aQRMH)
\$ 158 2-Fluorophenol	112	3.646	3.568	(0.787)	177315	44.2627	22.131
\$ 159 2,4,6-Tribromophenol	330	9.996	9.924	(0.880)	147454	92.4149	46.207
\$ 186 2-Chlorophenol-d4	132	4.513	4.461	(0.974)	394238	105.482	52.741
\$ 187 1,2-Dichlorobenzene-d4	152	4.829	4.784	(1.042)	211733	79.4917	39.746(Q)

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.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

668 220

Inj. Date and Time: 21-AUG-2000 16:19

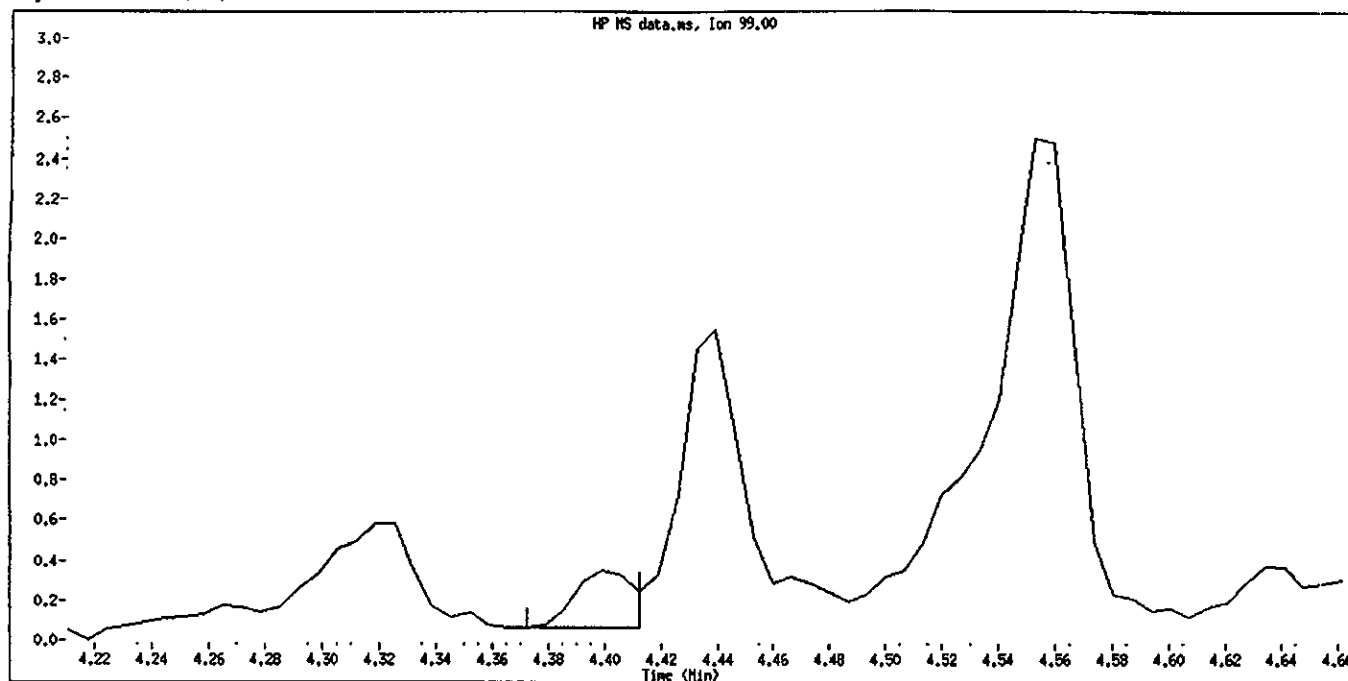
Instrument ID: 721.1

Client ID: DF/S1/0227/IDW/003

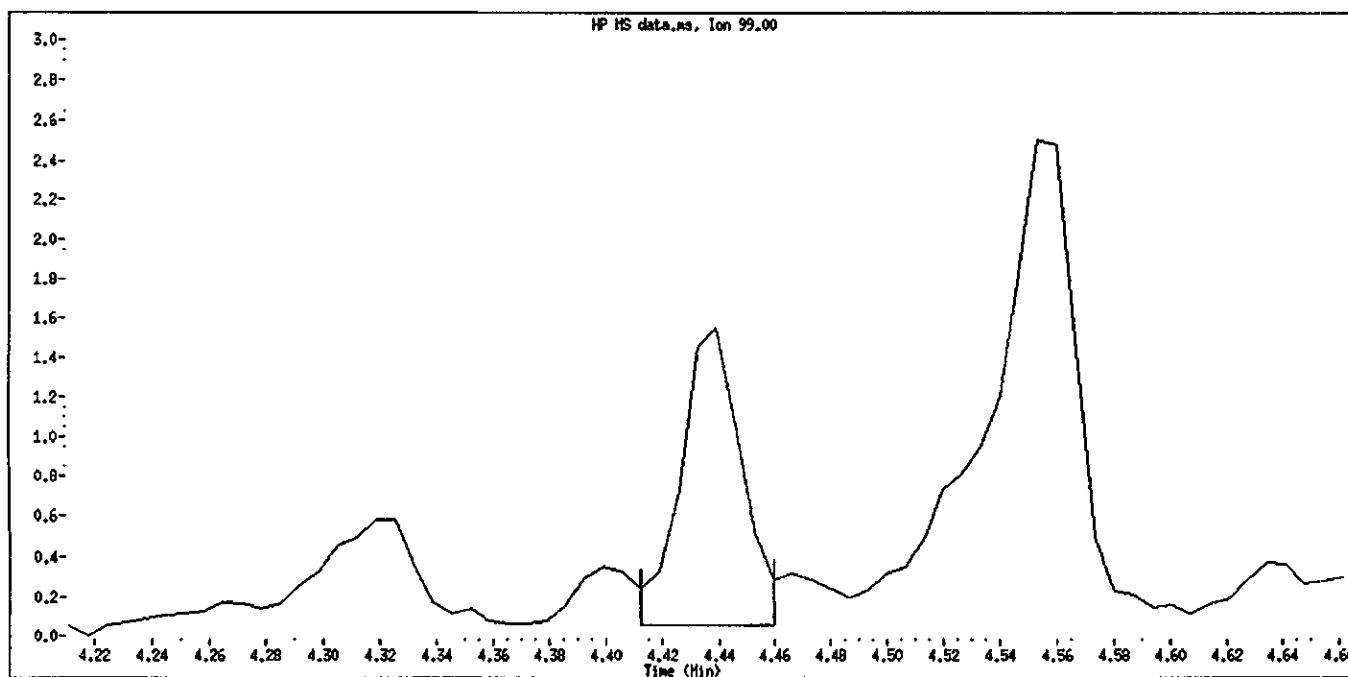
Compound Name: Phenol-d5

CAS #: 4165-62-2

Report Date: 08/22/2000



Original Integration

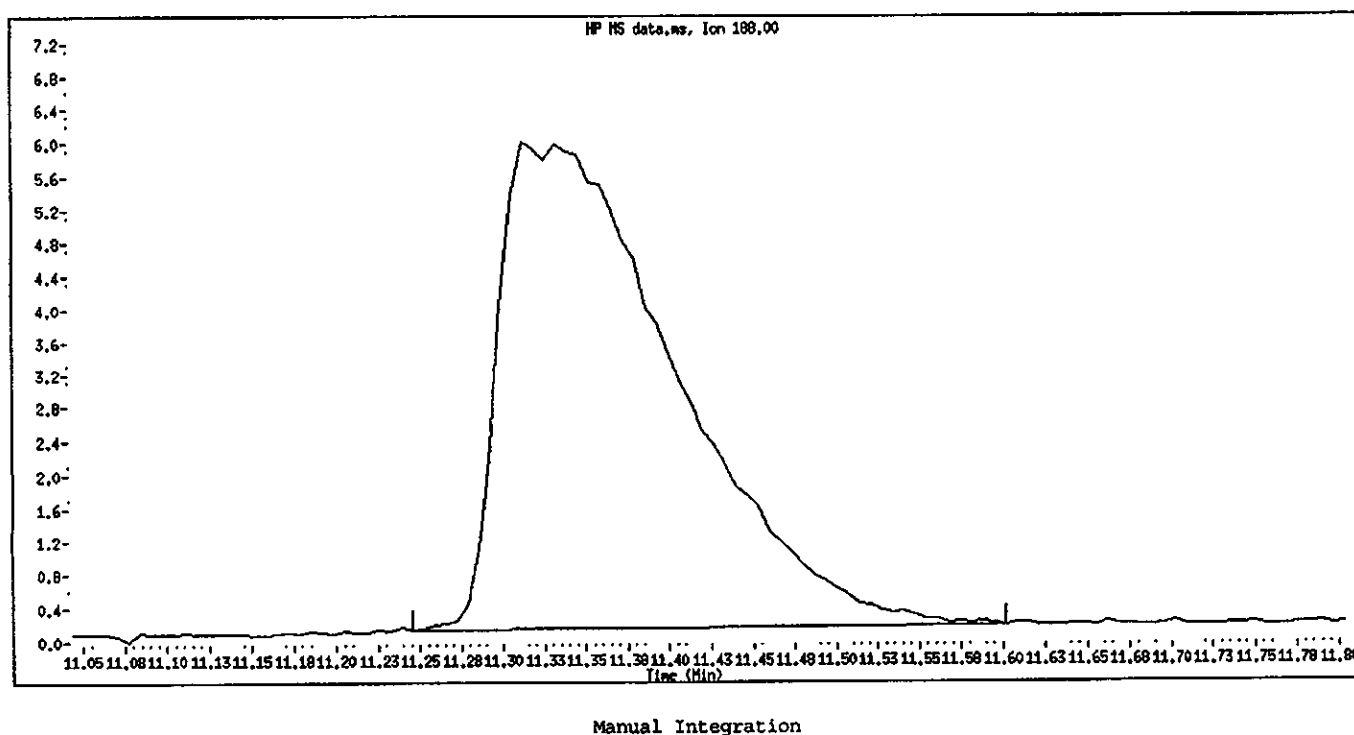
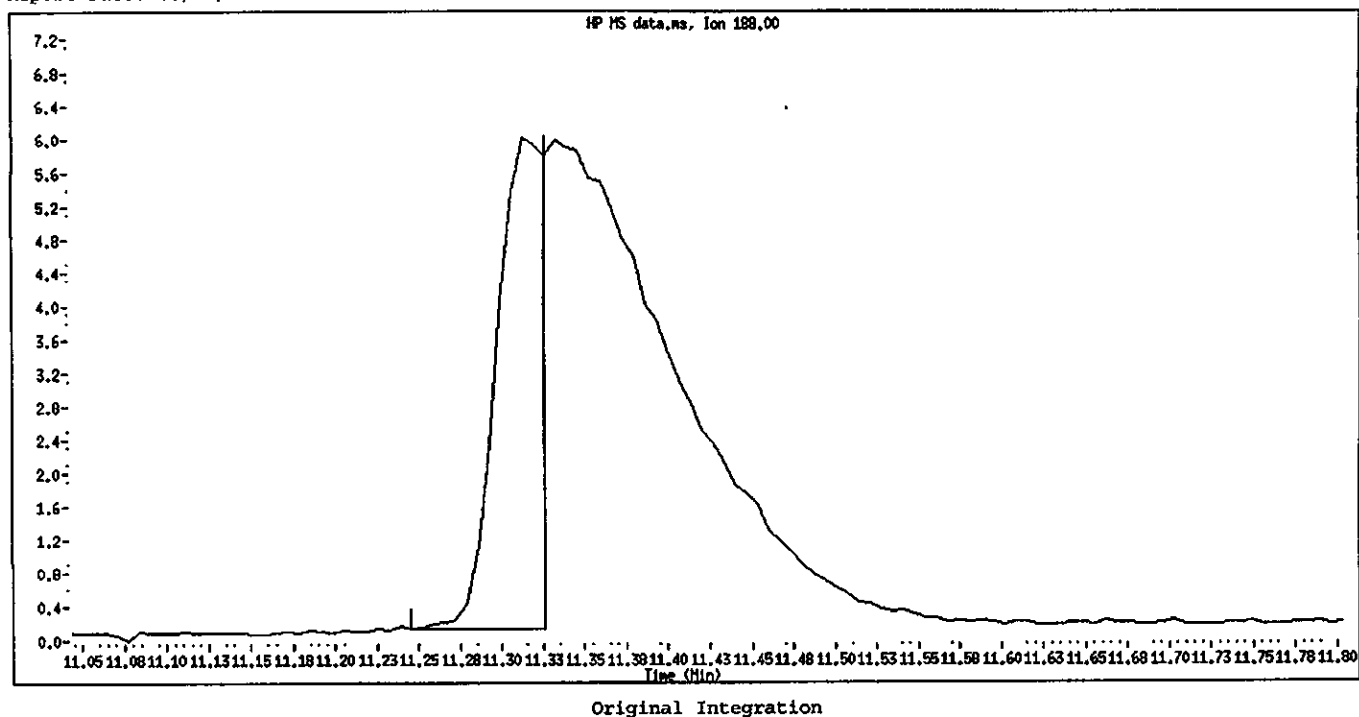


Manual Integration

Manually Integrated By: FergusonD

Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 21-AUG-2000 13:38
Instrument ID: 721.i
Client ID: LSP-1
Compound Name: Phenanthrene-d10
CAS #: 1517-22-2
Report Date: 08/22/2000



Manually Integrated By: FergusonD
Manual Integration Reason: Poor Chromatography

668-222

Inj Date and Time: 21-AUG-2000 13:38

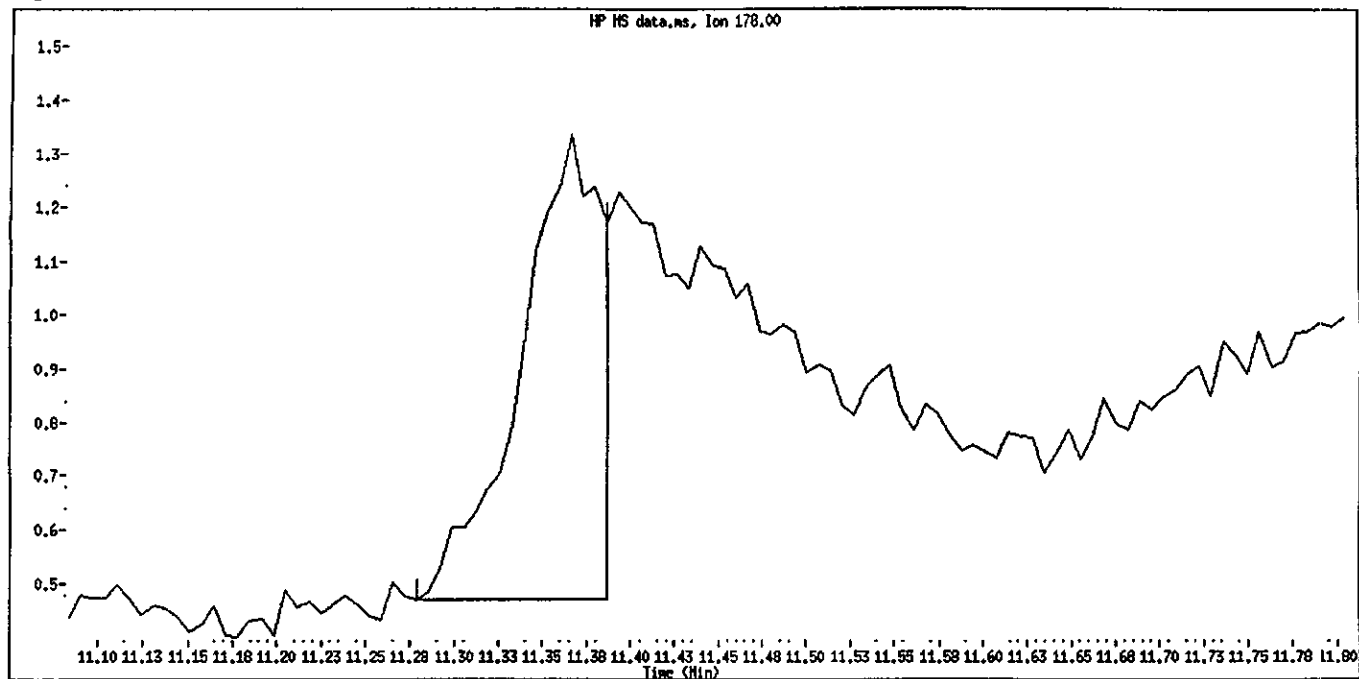
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Client ID: LSP-1

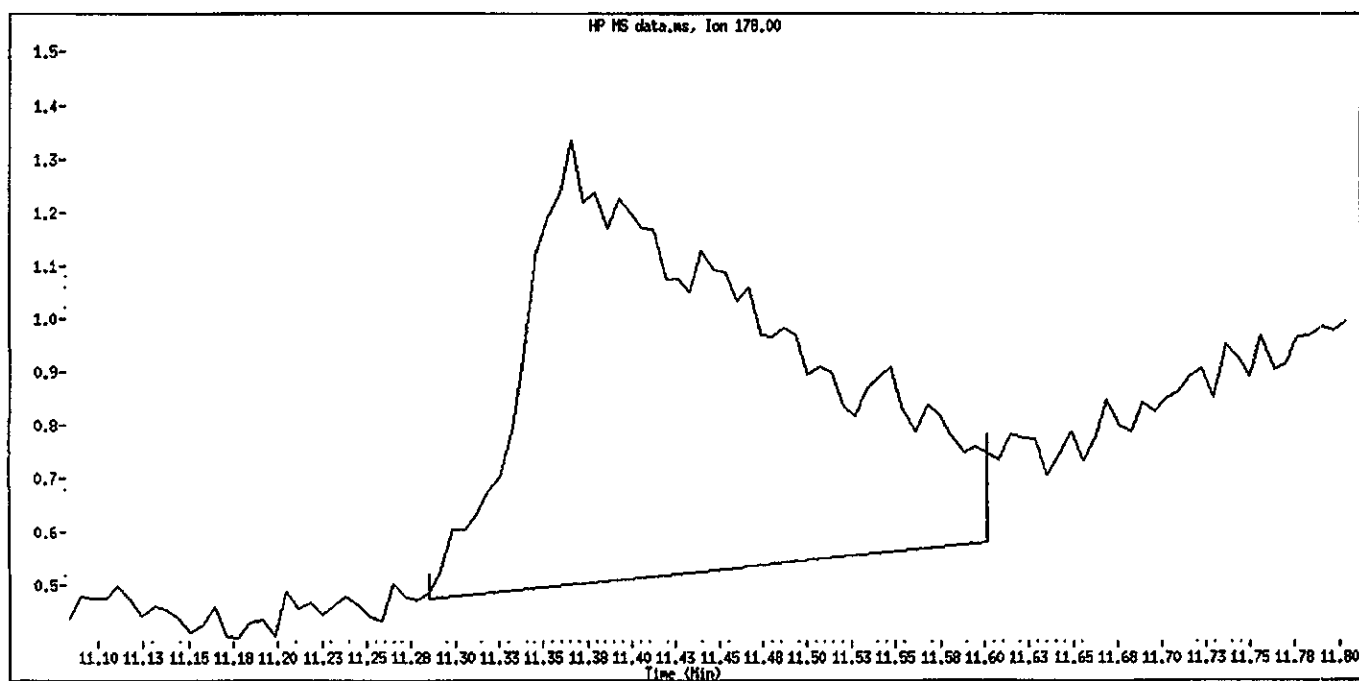
Compound Name: Phenanthrene

CAS #: 85-01-8

Report Date: 08/22/2000



Original Integration



Manual Integration

Manually Integrated By: FergusonD

Manual Integration Reason: Poor Chromatography

Inj Date and Time: 21-AUG-2000 13:38

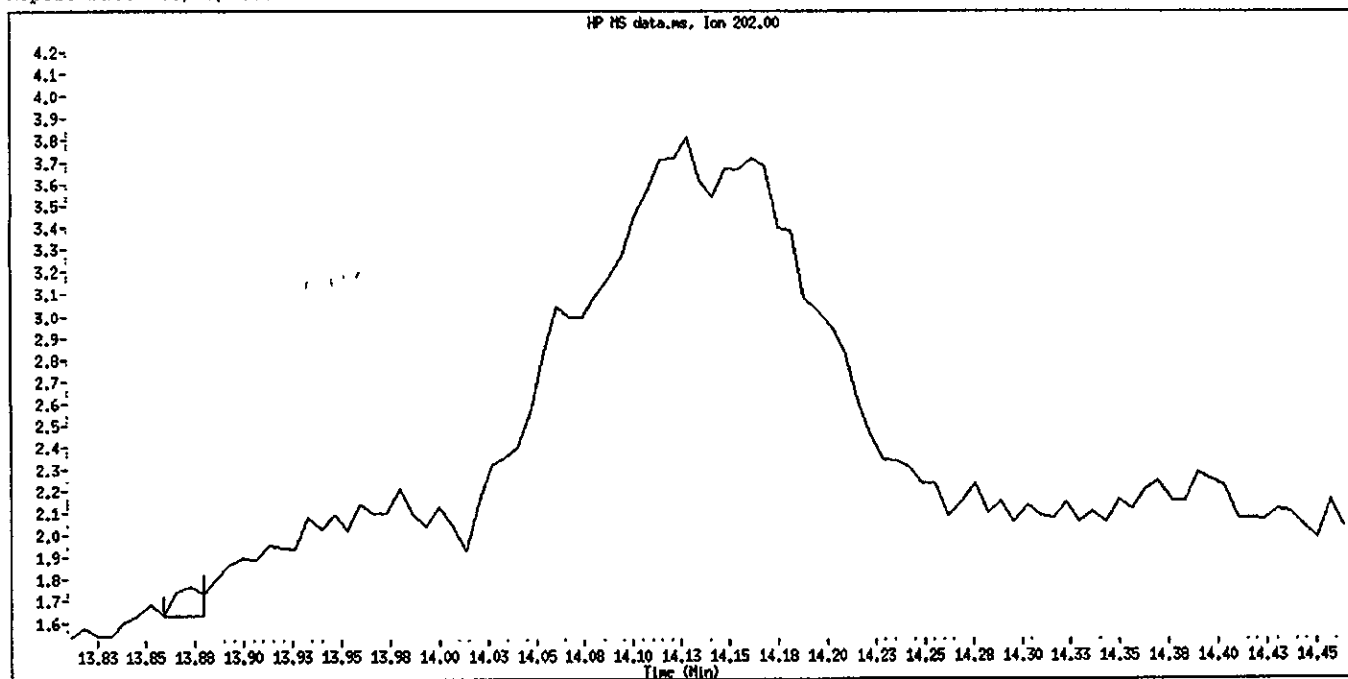
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Client ID: LSP-1

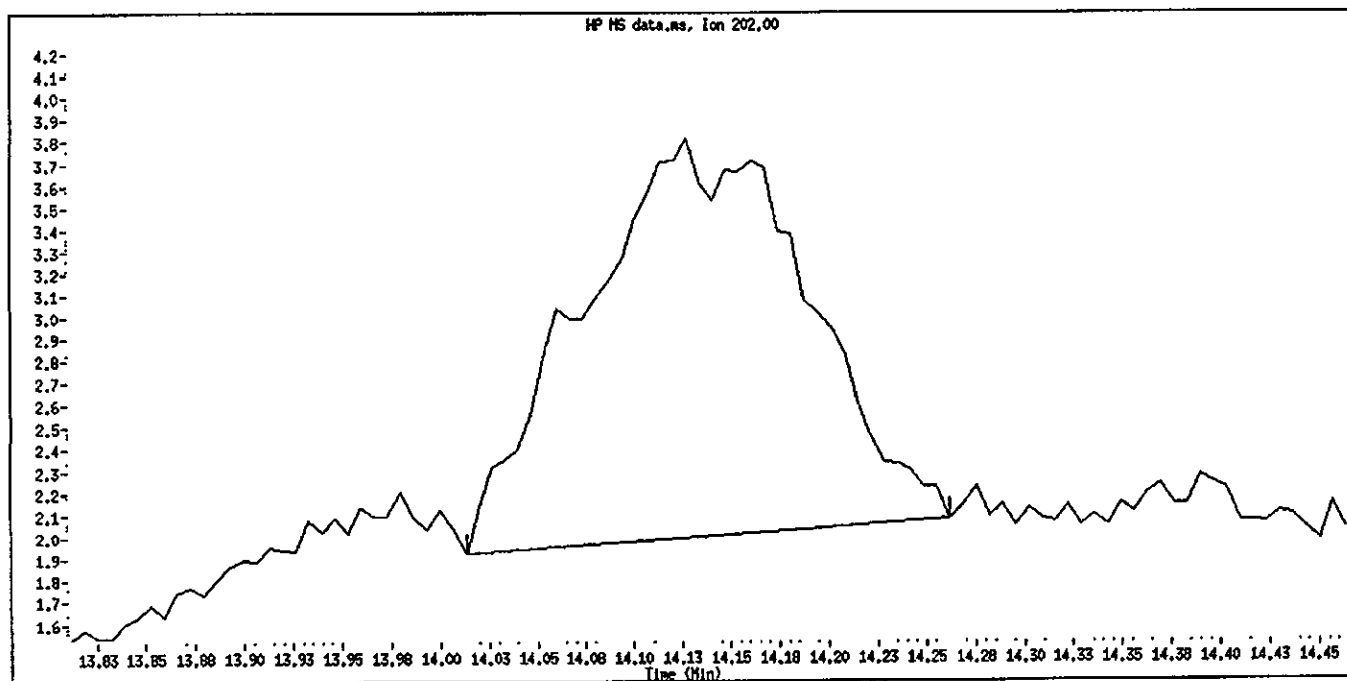
Compound Name: Fluoranthene

CAS #: 206-44-0

Report Date: 08/22/2000



Original Integration



Manual Integration

Manually Integrated By: FergusonD

Manual Integration Reason: Unknown

668 224

Inj. Date and Time: 21-AUG-2000 13:38

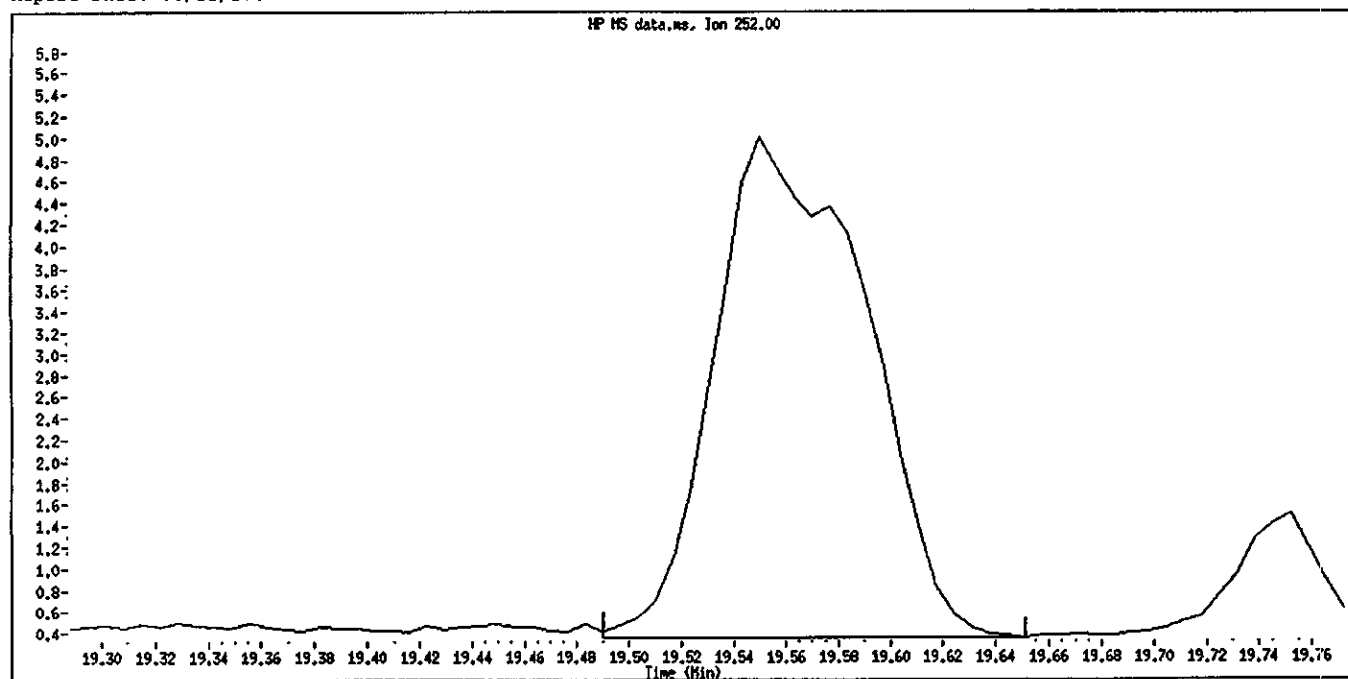
Instrument ID: 721 i

Client ID: LSP-1

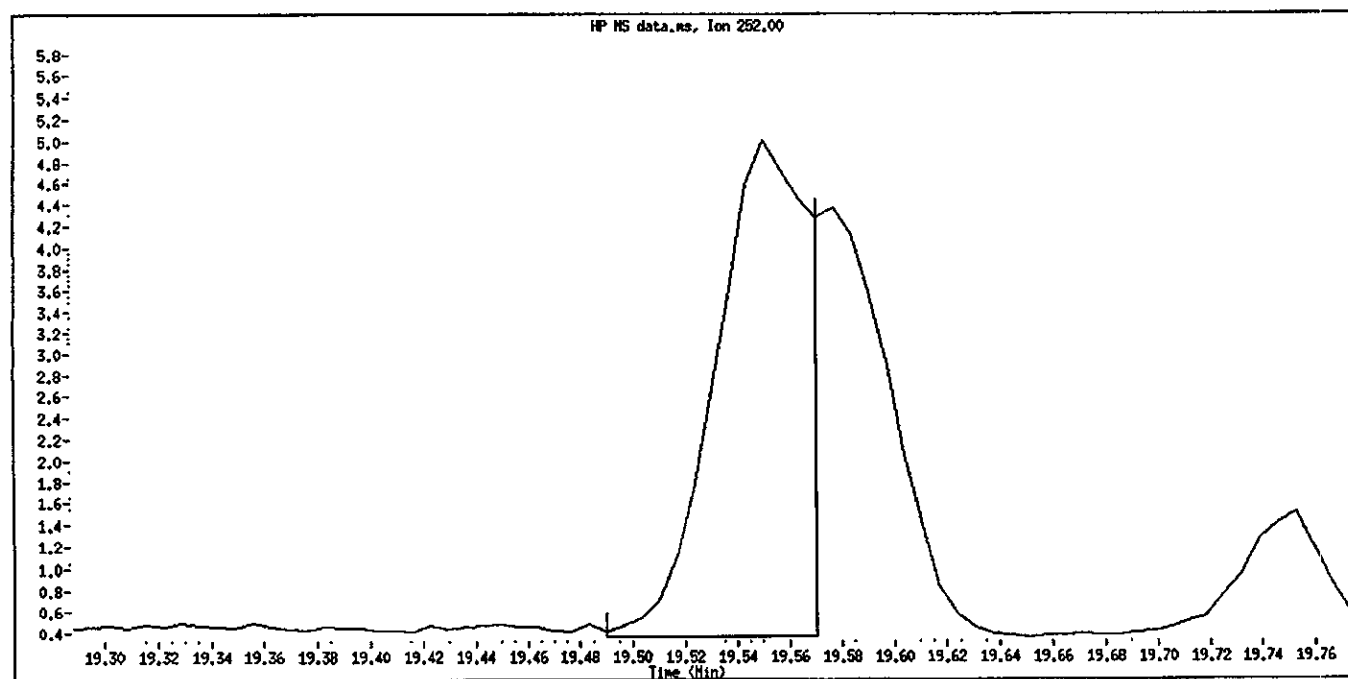
Compound Name: Benzo(b)fluoranthene

CAS # 205-99-2

Report Date: 08/22/2000



Original Integration

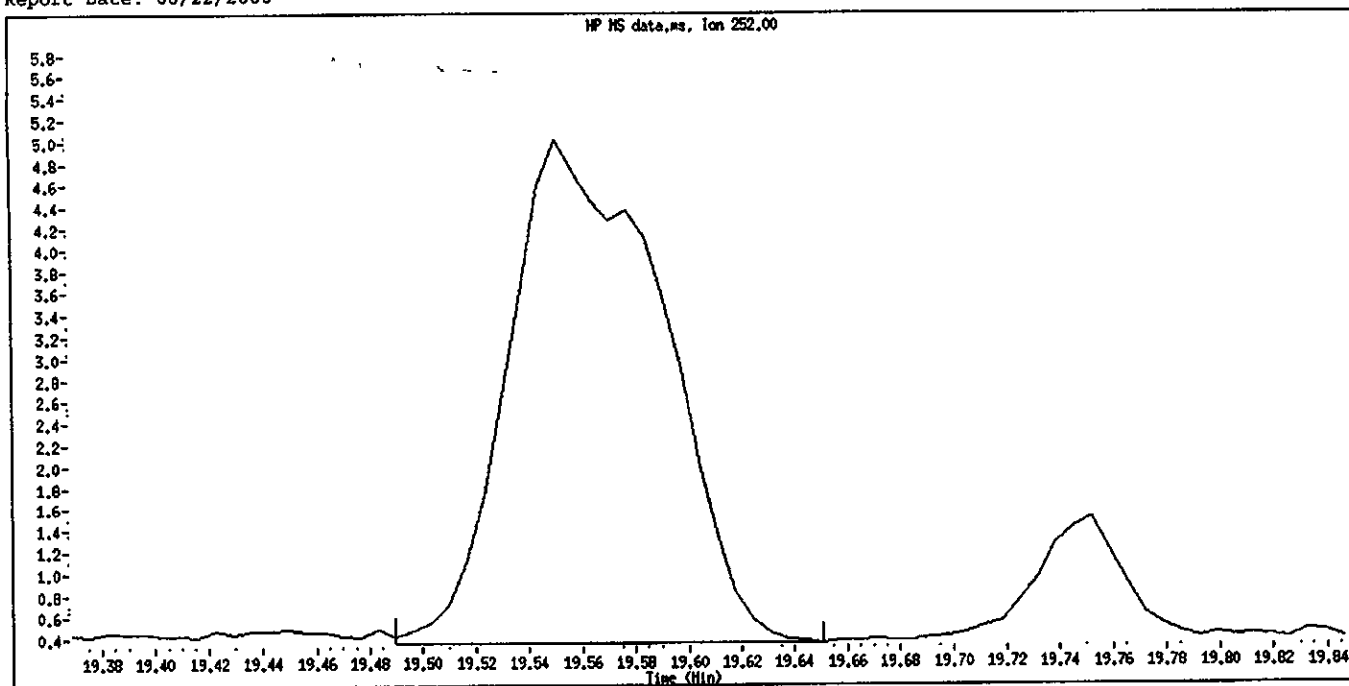


Manual Integration

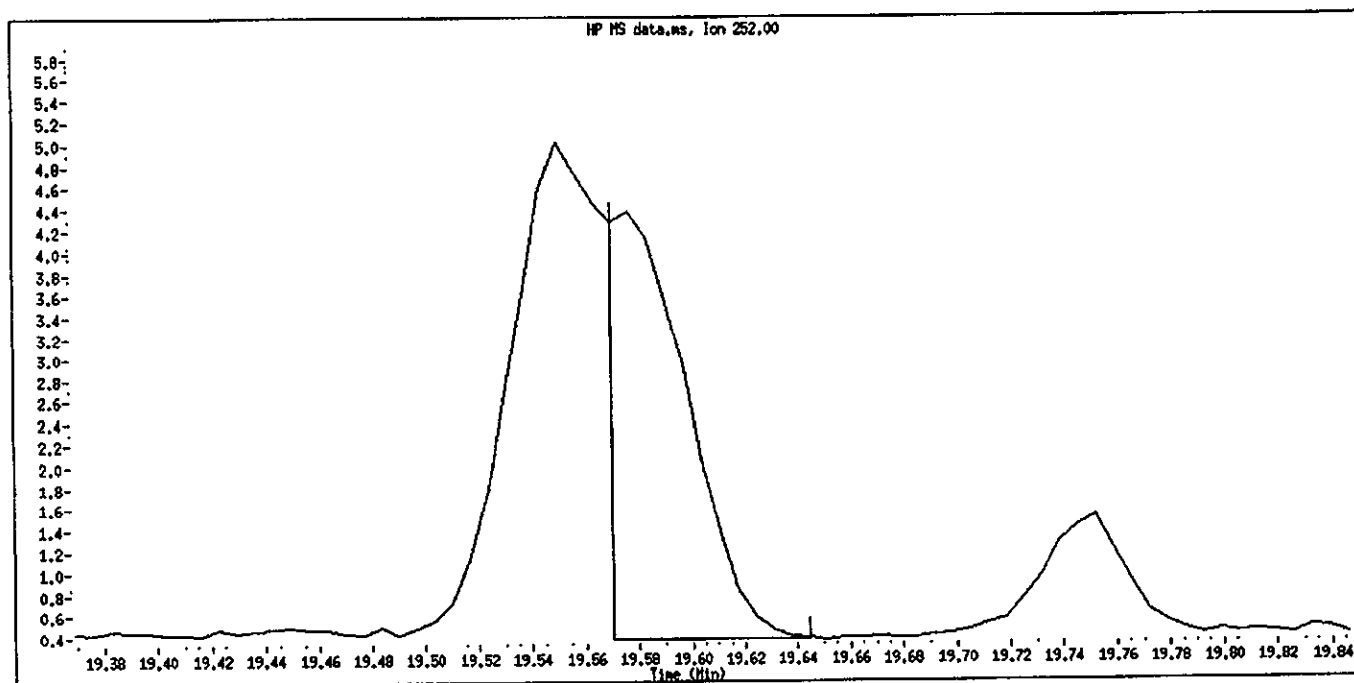
Manually Integrated By: FergusonD

Manual Integration Reason: Unknown

Inj. Date and Time: 21-AUG-2000 13:38
Instrument ID: 721.i
Client ID: LSP-1
Compound Name Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/22/2000

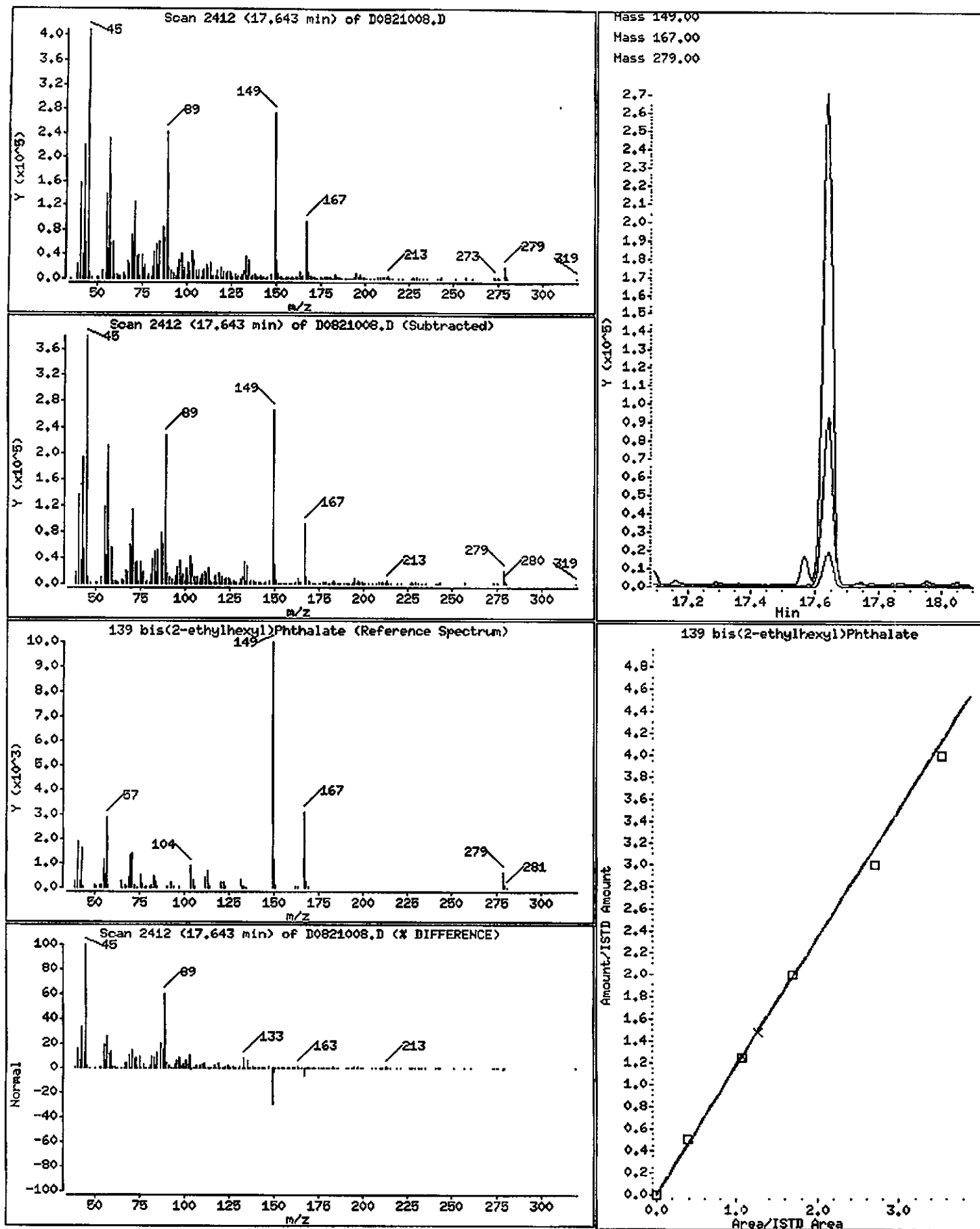


Original Integration



Manual Integration

Manually Integrated By: FergusonD
Manual Integration Reason: Unknown



UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L Q
110-86-1	Pyridine	20	U
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	19	
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
84-66-2	Diethyl phthalate	10	U
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

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH150146 001 RE

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M202

Date Extracted: 08/23/00

Dilution factor: 1

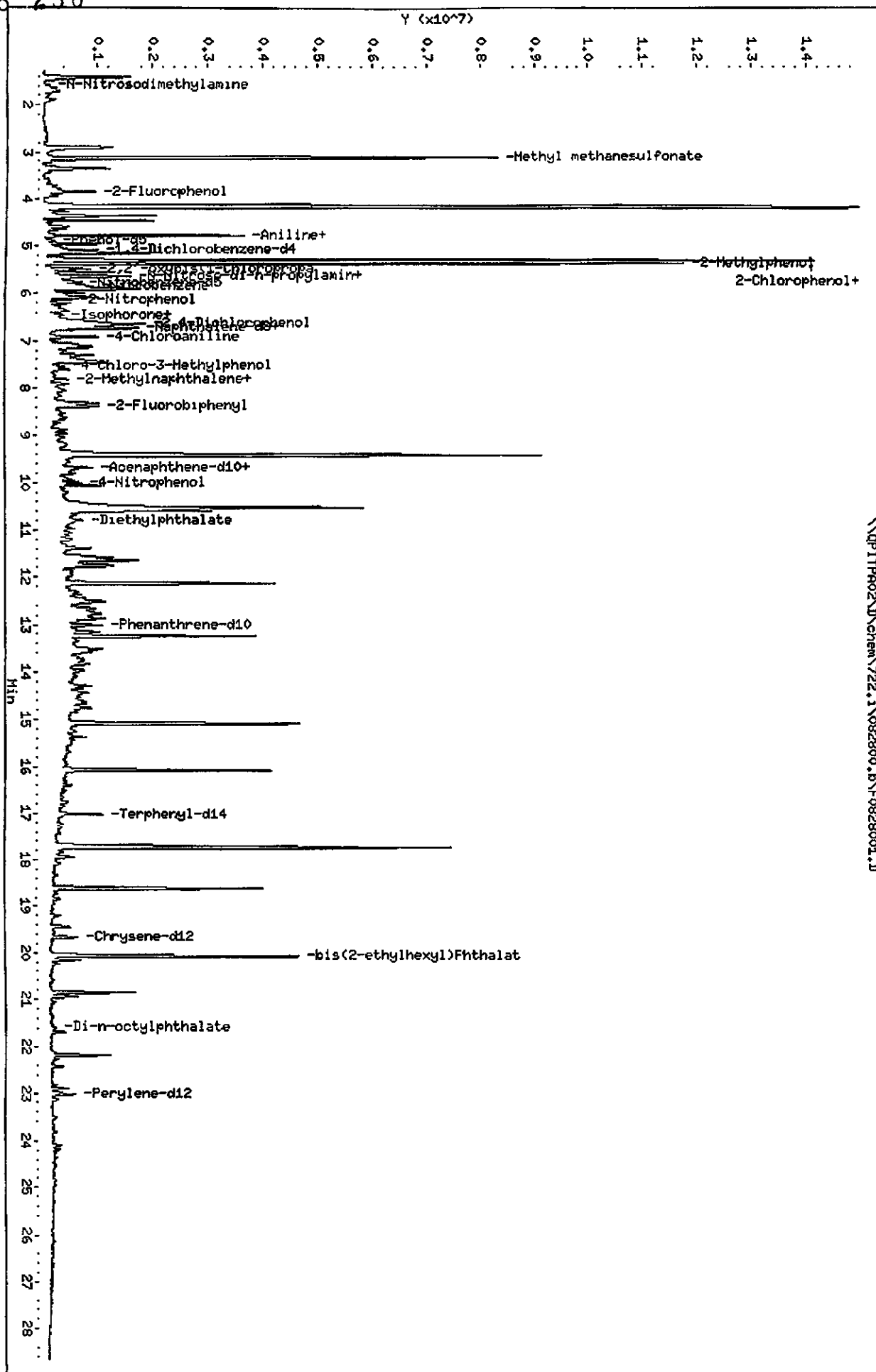
Date Analyzed: 08/28/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: DF/S1/0227/IDW/003 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10	U
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



Data File: \\QPI7P402\\chem\\722.1\\082800.b\\F0828001.D
 Date : 28-AUG-2000 08:19
 Client ID: DF/SL/0227/IDM/003
 Sample Info: COH150146-001 R/E 8/23/00 H2O (0237329)
 Volume Injected (uL): 2.0
 Column phase: Hp5-MS

\\QPI7P402\\chem\\722.1\\082800.b\\F0828001.D

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25

Data File: \\QPITPA02\D\chem\722.i\082800.b\F0828001.D
Report Date: 28-Aug-2000 09:07

Page 1

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082800.b\F0828001.D
Lab Smp Id: DHV7M202 Client Smp ID: DF/S1/0227/IDW/003
Inj Date : 28-AUG-2000 08:19
Operator : 007062 Inst ID: 722.i
Smp Info : C0H150146-001 R/E 8/23/00 H2O (0237329)
Misc Info : dhv7m202,082800.b,8270b.m,2-root.sub
Comment :
Method : \\QPITPA02\D\chem\722.i\082800.b\8270b.m
Meth Date : 28-Aug-2000 08:26 bungardf Quant Type: ISTD
Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.04
Processing Host: PITPC083

Handwritten:
8/28/00

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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.091	5.090	(1.000)	76575	40.0000	
* 2 Naphthalene-d8	136	6.634	6.640	(1.000)	324118	40.0000	(M)
* 3 Acenaphthene-d10	164	9.679	9.685	(1.000)	180854	40.0000	
* 4 Phenanthrene-d10	188	13.013	13.002	(1.000)	321201	40.0000	
* 5 Chrysene-d12	240	19.664	19.653	(1.000)	344105	40.0000	
* 6 Perylene-d12	264	23.024	23.019	(1.000)	287323	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					

668 232

Data File: \\QPITPA02\D\chem\722.i\082800.b\F0828001.D
Report Date: 28-Aug-2000 09:07

Page 2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
26 1,3-Dichlorobenzene	146				Compound Not Detected.		
27 1,4-Dichlorobenzene	146				Compound Not Detected.		
28 1,2-Dichlorobenzene	146				Compound Not Detected.		
29 Benzyl Alcohol	108				Compound Not Detected.		
30 2-Methylphenol	108				Compound Not Detected.		
31 2,2'-oxybis(1-Chloropropane)	45				Compound Not Detected.		
32 N-Nitroso-di-n-propylamine	70				Compound Not Detected.		
192 4-Methylphenol	108				Compound Not Detected.		
34 Hexachloroethane	117	5.662	5.662	(1.112)	3607	3.23441	1.62 (aQ)
35 Nitrobenzene	77				Compound Not Detected.		
41 Isophorone	82				Compound Not Detected.		
42 2-Nitrophenol	139				Compound Not Detected.		
43 2,4-Dimethylphenol	107				Compound Not Detected.		
44 bis(2-Chloroethoxy)methane	93				Compound Not Detected.		
48 2,4-Dichlorophenol	162				Compound Not Detected.		
49 Benzoic Acid	122	6.736	6.437	(1.002)	789114	631.913	316 (AH)
50 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
51 Naphthalene	128				Compound Not Detected.		
52 4-Chloroaniline	127				Compound Not Detected.		
56 Hexachlorobutadiene	224				Compound Not Detected.		
59 4-Chloro-3-Methylphenol	107	7.548	7.564	(1.122)	10985	4.48026	2.24 (aQ)
62 2-Methylnaphthalene	142				Compound Not Detected.		
205 1-Methylnaphthalene	142				Compound Not Detected.		
64 Hexachlorocyclopentadiene	236				Compound Not Detected.		
66 2,4,6-Trichlorophenol	196				Compound Not Detected.		
67 2,4,5-Trichlorophenol	196				Compound Not Detected.		
70 2-Chloronaphthalene	162				Compound Not Detected.		
73 2-Nitroaniline	65				Compound Not Detected.		
76 Dimethylphthalate	163				Compound Not Detected.		
78 2,6-Dinitrotoluene	165				Compound Not Detected.		
79 Acenaphthylene	152				Compound Not Detected.		
81 3-Nitroaniline	138				Compound Not Detected.		
82 Acenaphthene	153				Compound Not Detected.		
83 2,4-Dinitrophenol	184				Compound Not Detected.		
85 4-Nitrophenol	109				Compound Not Detected.		
86 Dibenzofuran	168				Compound Not Detected.		
87 2,4-Dinitrotoluene	165				Compound Not Detected.		
91 2,3,5,6-Tetrachlorophenol	232				Compound Not Detected.		
88 2,3,4,6-Tetrachlorophenol	232				Compound Not Detected.		
93 Diethylphthalate	149	10.817	10.801	(1.118)	18165	2.85501	1.43 (a)
94 Fluorene	166				Compound Not Detected.		
95 4-Chlorophenyl-phenylether	204				Compound Not Detected.		
96 4-Nitroaniline	138				Compound Not Detected.		
98 4,6-Dinitro-2-methylphenol	198				Compound Not Detected.		
99 N-Nitrosodiphenylamine	169				Compound Not Detected.		
100 1,2-Diphenylhydrazine	77				Compound Not Detected.		
106 4-Bromophenyl-phenylether	248				Compound Not Detected.		

Data File: \\QPITPA02\D\chem\722.i\082800.b\F0828001.D
Report Date: 28-Aug-2000 09:07

Page 3

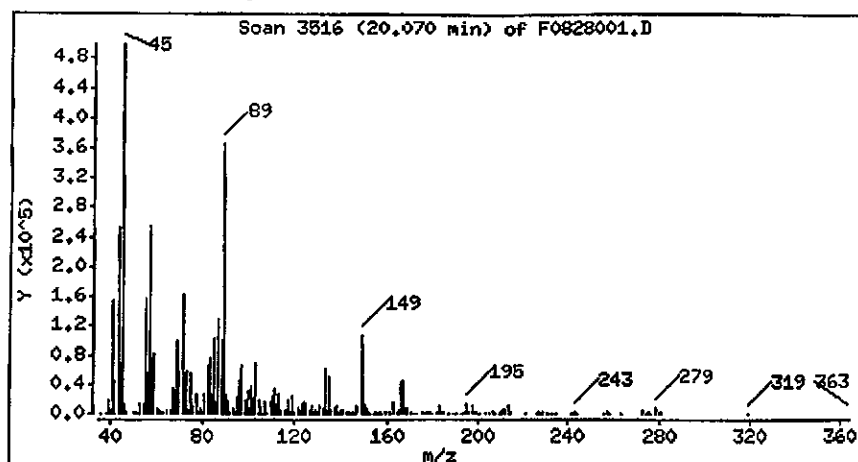
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
107 Hexachlorobenzene	283				Compound Not Detected.		
111 Pentachlorophenol	265				Compound Not Detected.		
115 Phenanthrene	178				Compound Not Detected.		
116 Anthracene	178				Compound Not Detected.		
119 Carbazole	167				Compound Not Detected.		
120 Di-n-Butylphthalate	149				Compound Not Detected.		
123 Fluoranthene	202				Compound Not Detected.		
124 Benzidine	184				Compound Not Detected.		
125 Pyrene	202				Compound Not Detected.		
131 Butylbenzylphthalate	149				Compound Not Detected.		
135 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
136 Benzo(a)Anthracene	228				Compound Not Detected.		
137 Chrysene	228				Compound Not Detected.		
139 bis(2-ethylhexyl)Phthalate	149	20.070	20.064	(1.021)	216823	38.4339	19.2
140 Di-n-octylphthalate	149	21.534	21.534	(0.935)	45298	3.68075	1.84(a)
141 Benzo(b)fluoranthene	252				Compound Not Detected.		
142 Benzo(k)fluoranthene	252				Compound Not Detected.		
143 7,12-dimethylbenz(a)anthracene	256				Compound Not Detected.		
146 Benzo(a)pyrene	252				Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
150 Dibenz(a,h)anthracene	278				Compound Not Detected.		
151 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 154 Nitrobenzene-d5	82	5.753	5.753	(0.855)	191851	66.7497	33.4(H)
\$ 155 2-Fluorobiphenyl	172	8.376	8.387	(0.865)	106657	18.4221	9.21(aR)
\$ 156 Terphenyl-d14	244	17.084	17.078	(0.869)	32169	3.80119	1.90(aR)
\$ 157 Phenol-d5	99	4.882	4.850	(0.959)	37312	14.6479	7.32(aR)
\$ 158 2-Fluorophenol	112				Compound Not Detected.		
\$ 159 2,4,6-Tribromophenol	329				Compound Not Detected.		
\$ 186 2-Chlorophenol-d4	132				Compound Not Detected.		
\$ 187 1,2-Dichlorobenzene-d4	152	5.320	5.304	(1.045)	112778	65.3997	32.7(Q)

QC Flag Legend

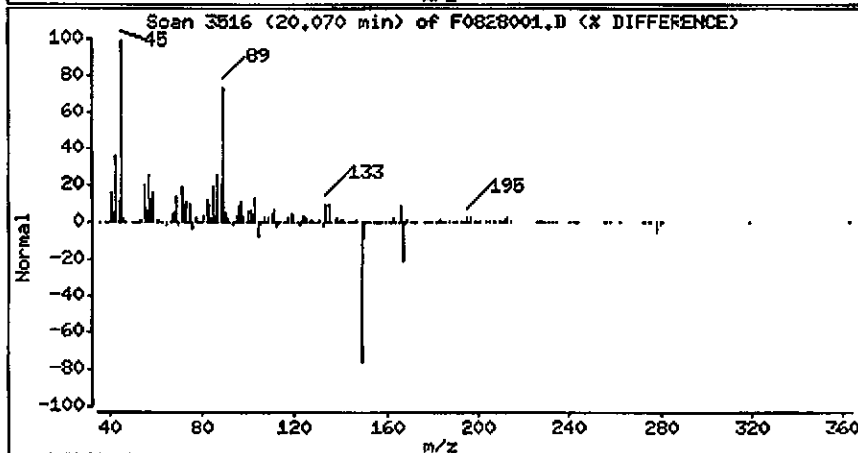
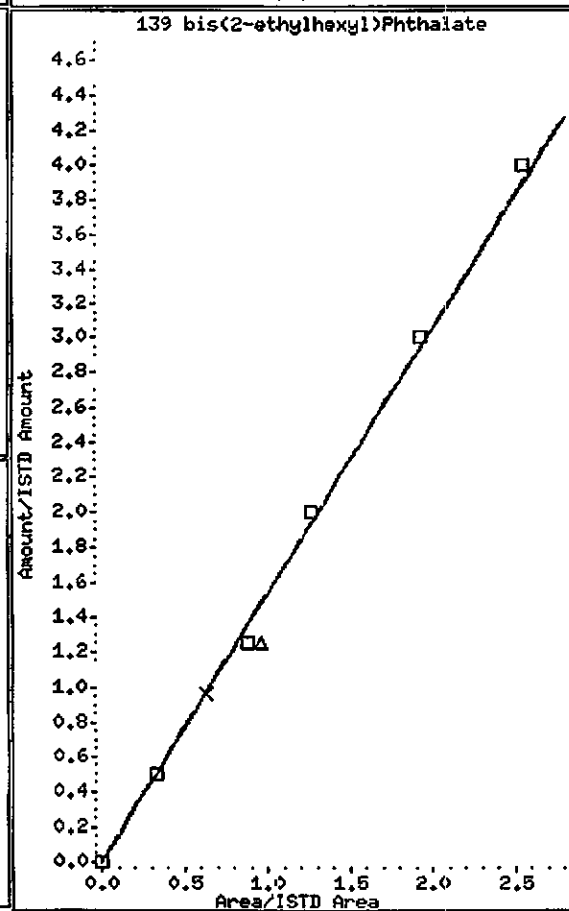
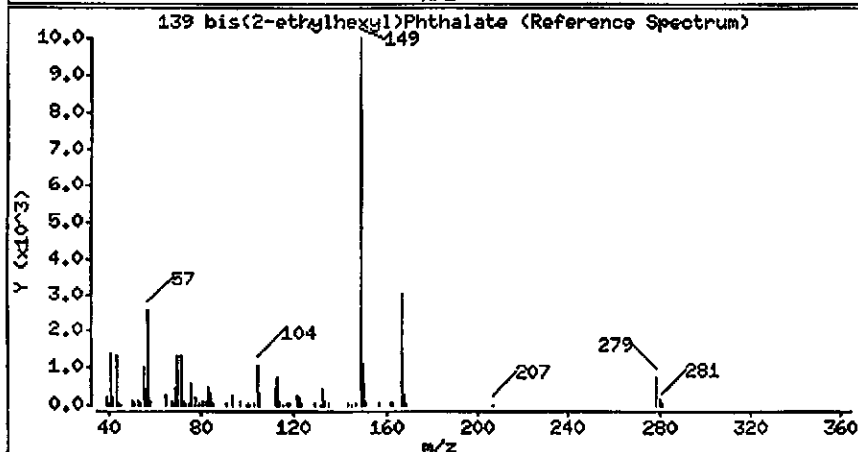
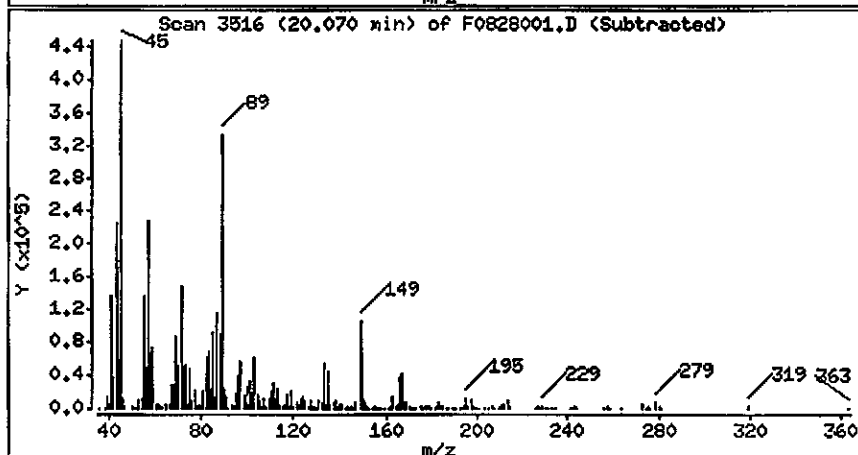
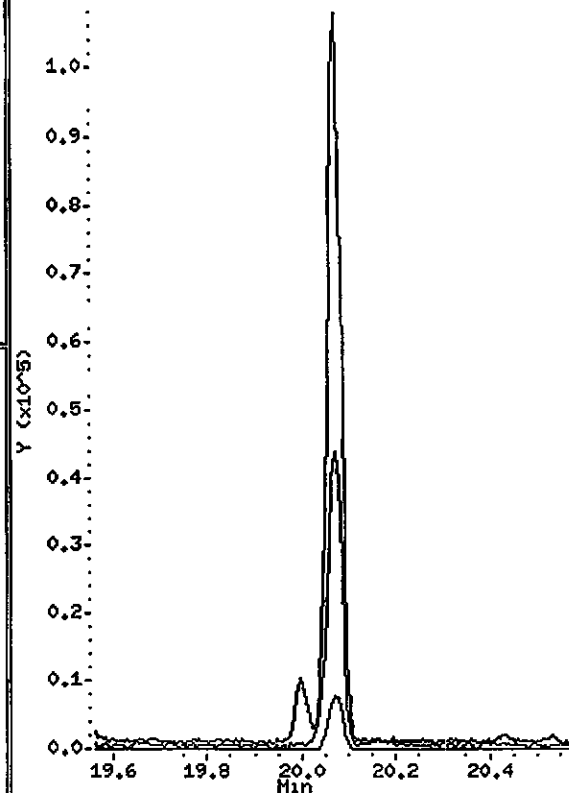
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

668 234

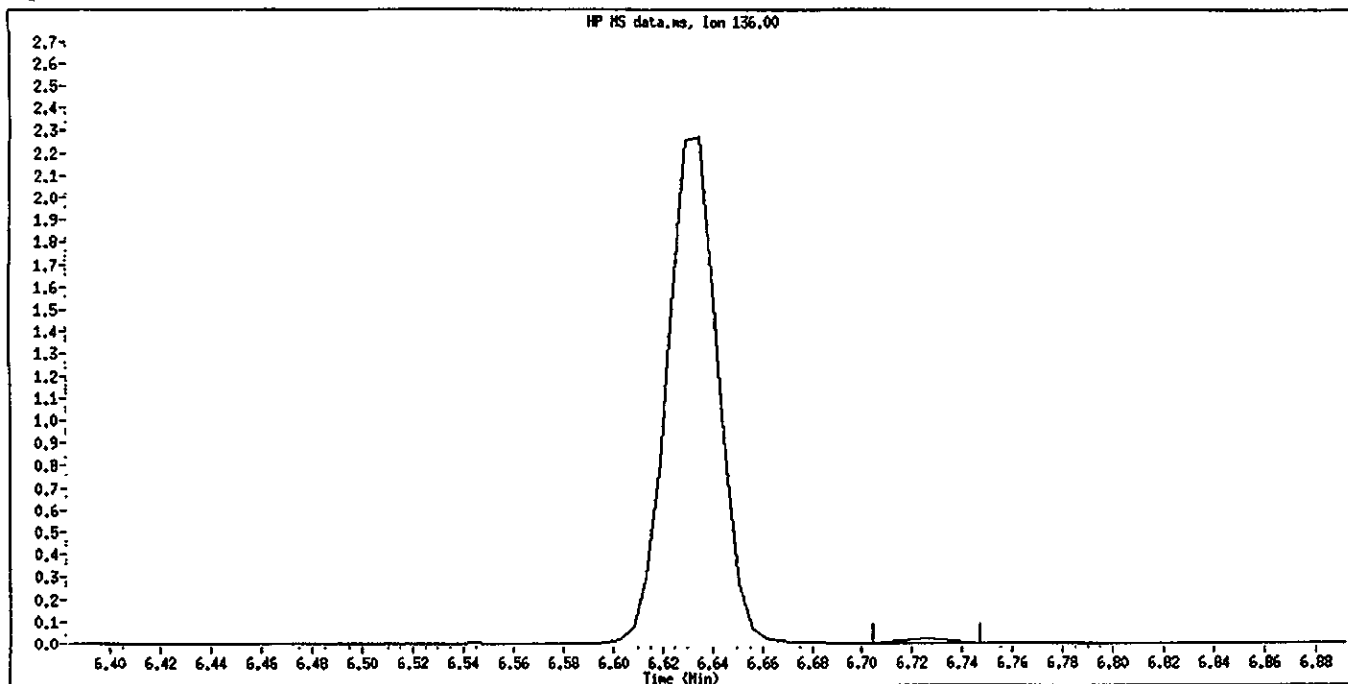
139 bis(2-ethylhexyl)Phthalate



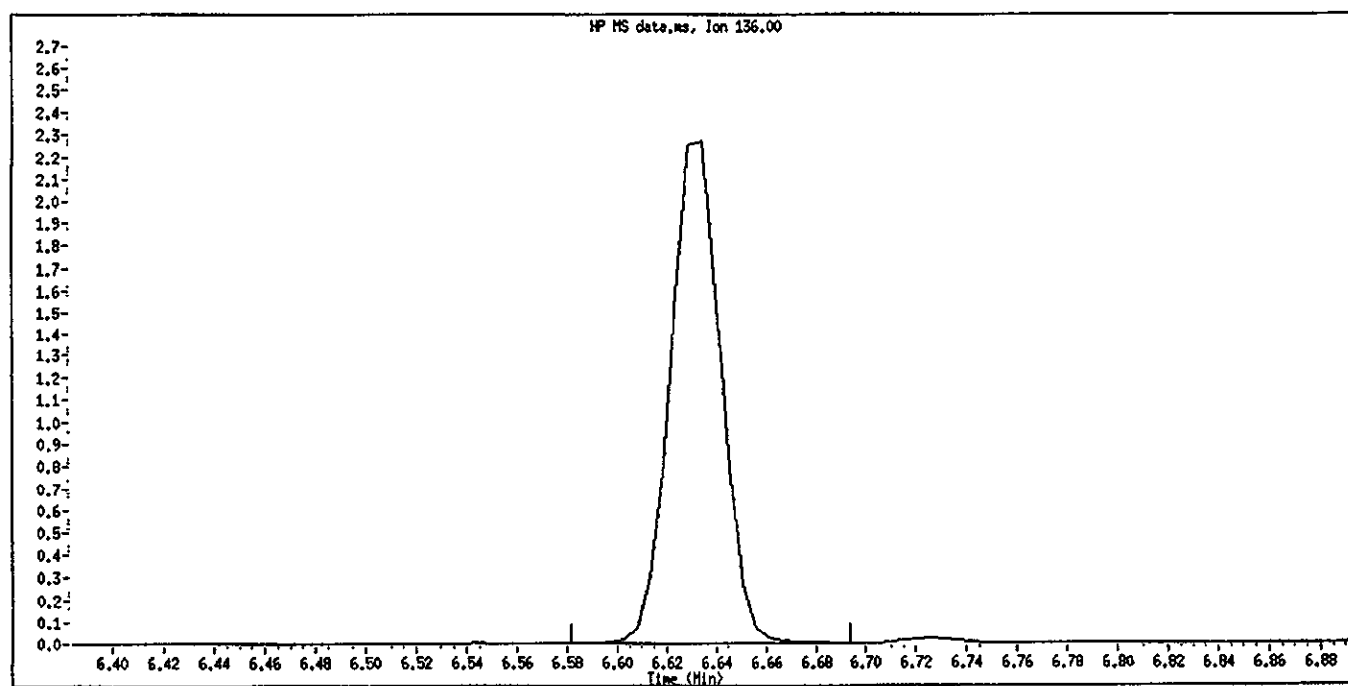
Mass 149.00
Mass 167.00
Mass 279.00



Inj. Date and Time: 28-AUG-2000 08:19
Instrument ID: 722.1
Client ID: DF/S1/0227/IDW/003
Compound Name: Naphthalene-d8
CAS #: 1146-65-2
Report Date: 08/28/2000



Original Integration



Manual Integration

Manually Integrated By: BungardF
Manual Integration Reason: Peak Not Found

**GC/MS SEMIVOLATILE
CALIBRATION DATA**

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: -

Instrument ID: 721

Calibration Date(s): 08/18/00

Min RRF for SPCC(#) = 0.050

Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF1	=D0818CC1.D	RRF2	=D0818CC2.D			
RRF3		=D0818CC3.D	RRF4	=D0818CC4.D	RRF5	=D0818CC5.D		
COMPOUND		RRF1	RRF2	RRF3	RRF4	RRF5	RRF	% RSD
Phenol	*	1.677	1.823	1.607	1.615	1.580	1.660	5.9*
bis(2-Chloroethyl) ether		1.254	1.326	1.195	1.216	1.214	1.241	4.2
2-Chlorophenol		1.359	1.434	1.327	1.372	1.382	1.375	2.8
1,3-Dichlorobenzene		1.436	1.526	1.433	1.473	1.430	1.460	2.8
1,4-Dichlorobenzene	*	1.483	1.589	1.457	1.471	1.438	1.488	4.0*
1,2-Dichlorobenzene		1.348	1.466	1.343	1.367	1.334	1.372	4.0
2-Methylphenol		1.112	1.224	1.106	1.137	1.149	1.146	4.1
2,2'-oxybis(1-Chloropropane		1.616	1.702	1.546	1.574	1.507	1.589	4.7
4-Methylphenol		1.192	1.316	1.164	1.192	1.202	1.213	4.9
Hexachloroethane		0.646	0.678	0.641	0.654	0.646	0.653	2.3
Nitrobenzene		0.372	0.412	0.382	0.388	0.379	0.387	3.9
Isophorone		0.632	0.693	0.629	0.645	0.661	0.652	4.0
2-Nitrophenol	*	0.210	0.229	0.215	0.218	0.217	0.218	3.2*
2,4-Dimethylphenol		0.352	0.394	0.361	0.370	0.377	0.371	4.3
bis(2-Chloroethoxy)methane		0.392	0.427	0.392	0.397	0.403	0.402	3.6
N-Nitroso-di-n-propylamine	#	0.827	0.888	0.787	0.828	0.798	0.826	4.8#
2,4-Dichlorophenol	*	0.297	0.329	0.308	0.309	0.317	0.312	3.8*
1,2,4-Trichlorobenzene		0.333	0.360	0.343	0.355	0.352	0.349	3.1
Naphthalene		0.990	1.070	1.013	1.038	1.026	1.027	2.9
4-Chloroaniline		0.414	0.450	0.413	0.421	0.419	0.423	3.6
Hexachlorobutadiene	*	0.204	0.221	0.215	0.220	0.216	0.215	3.1*
4-Chloro-3-Methylphenol		0.295	0.334	0.298	0.305	0.301	0.307	5.1
2-Methylnaphthalene		0.621	0.699	0.636	0.657	0.658	0.654	4.5
Hexachlorocyclopentadiene	#	0.448	0.488	0.475	0.505	0.476	0.478	4.3#
2,4,6-Trichlorophenol	*	0.392	0.434	0.402	0.425	0.428	0.416	4.4*
2,4,5-Trichlorophenol		0.418	0.464	0.425	0.439	0.422	0.434	4.3
2-Chloronaphthalene		1.111	1.213	1.121	1.173	1.120	1.148	3.8
2-Nitroaniline		0.365	0.415	0.370	0.391	0.378	0.384	5.3
Dimethylphthalate		1.336	1.492	1.346	1.416	1.329	1.384	5.1
Acenaphthylene		1.655	1.838	1.674	1.730	1.669	1.713	4.4
2,6-Dinitrotoluene		0.317	0.366	0.326	0.338	0.324	0.334	5.9
3-Nitroaniline		0.344	0.396	0.353	0.359	0.350	0.360	5.8
Acenaphthene	*	1.007	1.136	1.025	1.054	1.046	1.054	4.7*
2,4-Dinitrophenol	#	0.202	0.269	0.251	0.264	0.267	0.251	11.2#
4-Nitrophenol	#	0.233	0.288	0.258	0.274	0.285	0.268	8.5#
Dibenzofuran		1.554	1.730	1.580	1.647	1.597	1.622	4.3
2,4-Dinitrotoluene		0.419	0.488	0.440	0.462	0.444	0.451	5.8

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Instrument ID: 722

Calibration Date(s): 08/25/00

Min $\overline{RRF}$ for SPCC(#) = 0.050

Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF1	=F08250C2.D	RRF2	=F08250C1.D		
RRF3 =F08250C3.D		RRF4	=F08250C4.D	RRF5	=F08250C5.D		
COMPOUND		RRF1	RRF2	RRF3	RRF4	RRF5	% RSD
Phenol	*	1.448	1.462	1.426	1.411	1.409	1.6*
bis(2-Chloroethyl)ether		1.053	1.100	1.022	1.010	1.023	3.5
2-Chlorophenol		1.217	1.297	1.222	1.212	1.224	2.8
1,3-Dichlorobenzene		1.458	1.502	1.455	1.471	1.481	1.3
1,4-Dichlorobenzene	*	1.503	1.543	1.518	1.503	1.504	1.1*
1,2-Dichlorobenzene		1.344	1.424	1.366	1.367	1.387	2.2
2-Methylphenol		1.027	1.068	1.005	0.996	1.000	2.9
2,2'-oxybis(1-Chloropropane		1.011	1.063	0.938	0.923	0.924	6.4
4-Methylphenol		1.084	1.142	1.064	1.052	1.070	3.2
Hexachloroethane		0.579	0.606	0.574	0.578	0.576	2.3
Nitrobenzene		0.342	0.364	0.352	0.360	0.355	2.4
Isophorone		0.535	0.574	0.538	0.550	0.538	2.9
2-Nitrophenol	*	0.178	0.199	0.184	0.188	0.188	4.0*
2,4-Dimethylphenol		0.331	0.354	0.341	0.348	0.348	2.6
bis(2-Chloroethoxy)methane		0.320	0.341	0.316	0.319	0.318	3.2
N-Nitroso-di-n-propylamine	#	0.749	0.795	0.718	0.712	0.726	4.6#
2,4-Dichlorophenol	*	0.272	0.292	0.280	0.283	0.281	2.5*
1,2,4-Trichlorobenzene		0.317	0.340	0.331	0.337	0.331	2.7
Naphthalene		1.003	1.051	0.999	1.020	1.008	2.1
4-Chloroaniline		0.372	0.396	0.380	0.387	0.374	2.6
Hexachlorobutadiene	*	0.204	0.218	0.222	0.228	0.228	4.4*
4-Chloro-3-Methylphenol	*	0.286	0.308	0.302	0.310	0.307	3.2*
2-Methylnaphthalene		0.676	0.705	0.706	0.721	0.718	2.5
Hexachlorocyclopentadiene	#	0.380	0.444	0.426	0.440	0.438	6.1#
2,4,6-Trichlorophenol	*	0.342	0.379	0.355	0.367	0.361	3.9*
2,4,5-Trichlorophenol		0.365	0.400	0.372	0.394	0.375	3.9
2-Chloronaphthalene		1.095	1.196	1.108	1.150	1.119	3.5
2-Nitroaniline		0.284	0.325	0.300	0.324	0.307	5.6
Dimethylphthalate		1.262	1.385	1.278	1.356	1.298	4.0
Acenaphthylene		1.666	1.816	1.677	1.759	1.683	3.8
2,6-Dinitrotoluene		0.262	0.294	0.277	0.292	0.282	4.7
3-Nitroaniline		0.281	0.310	0.293	0.308	0.303	4.1
Acenaphthene	*	1.046	1.121	1.063	1.102	1.082	2.8*
2,4-Dinitrophenol	#	0.052	0.118	0.146	0.170	0.168	37.3#
4-Nitrophenol	#	0.217	0.261	0.266	0.293	0.282	11.1#
Dibenzofuran		1.576	1.680	1.612	1.681	1.607	2.9
2,4-Dinitrotoluene		0.356	0.403	0.394	0.426	0.409	6.5

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: _

Instrument ID: 722

Calibration Date(s): 08/25/00

Min $\overline{RRF}$ for SPCC(#) = 0.050

Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF1	=F08250C2.D	RRF2	=F08250C1.D		
RRF3 =F08250C3.D		RRF4	=F08250C4.D	RRF5	=F08250C5.D		
COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD
Diethylphthalate	1.308	1.440	1.382	1.490	1.415	1.407	4.8
4-Chlorophenyl-phenylether	0.626	0.675	0.645	0.679	0.658	0.657	3.3
Fluorene	1.241	1.344	1.299	1.373	1.318	1.315	3.8
4-Nitroaniline	0.268	0.317	0.301	0.327	0.314	0.305	7.6
4,6-Dinitro-2-methylphenol	0.072	0.110	0.113	0.121	0.124	0.108	19.2
N-Nitrosodiphenylamine (1)	* 0.478	0.514	0.482	0.486	0.491	0.490	2.9*
4-Bromophenyl-phenylether	0.190	0.200	0.192	0.196	0.196	0.195	2.1
Hexachlorobenzene	0.197	0.211	0.201	0.204	0.207	0.204	2.6
Pentachlorophenol	# 0.046	0.075	0.092	0.102	0.109	0.085	29.4#
Phenanthrene	0.941	1.020	0.951	0.986	0.990	0.978	3.2
Anthracene	0.948	1.035	0.957	0.987	0.988	0.983	3.5
Carbazole	0.814	0.890	0.839	0.867	0.884	0.859	3.7
Di-n-Butylphthalate	1.072	1.190	1.115	1.158	1.169	1.141	4.1
Fluoranthene	* 0.926	1.038	1.006	1.057	1.074	1.020	5.7*
Pyrene	1.312	1.439	1.126	1.093	1.063	1.207	13.4
Butylbenzylphthalate	0.573	0.628	0.539	0.536	0.532	0.562	7.2
3,3'-Dichlorobenzidine	0.393	0.441	0.438	0.448	0.438	0.432	5.1
Benzo (a) Anthracene	1.084	1.126	1.120	1.153	1.118	1.120	2.2
Chrysene	0.932	0.974	0.936	0.951	0.944	0.947	1.7
bis(2-ethylhexyl) Phthalate	0.664	0.701	0.633	0.642	0.638	0.656	4.3
Di-n-octylphthalate	* 1.774	1.780	1.693	1.620	1.699	1.713	3.9*
Benzo (b) fluoranthene	1.308	1.240	1.411	1.337	1.715	1.402	13.2
Benzo (k) fluoranthene	1.301	1.354	1.540	1.327	1.341	1.373	7.0
Benzo (a) pyrene	* 1.125	1.213	1.234	1.284	1.327	1.237	6.2*
Indeno (1,2,3-cd) pyrene	1.016	1.264	1.363	1.425	1.555	1.325	15.3
Dibenz (a,h) anthracene	0.927	1.136	1.187	1.249	1.388	1.177	14.4
Benzo (g,h,i) perylene	0.892	1.141	1.136	1.184	1.281	1.127	12.7
Pyridine	0.525	0.630	0.496	0.497	0.471	0.524	11.9
N-Nitrosodimethylamine	0.331	0.370	0.298	0.300	0.290	0.318	10.4
Aniline	1.399	1.433	1.398	1.377	1.356	1.393	2.1
Benzyl Alcohol	0.820	0.845	0.810	0.811	0.807	0.819	1.9
Benzoic Acid	0.110	0.146	0.161	0.177	0.176	0.154	17.8
2,3,4,6-Tetrachlorophenol	0.279	0.312	0.306	0.322	0.314	0.307	5.4
2,3,5,6-Tetrachlorophenol	0.272	0.310	0.317	0.343	0.327	0.314	8.5
1,2-Diphenylhydrazine	0.640	0.702	0.637	0.640	0.644	0.653	4.2

(1) Cannot be separated from Diphenylamine

668 240

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No. :

SAS No. :

SDG No. : _____

Instrument ID: 722

Calibration Date(s): 08/25/00

Min $\overline{RRF}$ for SPCC(♯) = 0.050

Max %RSD for CCC(*) = 30.0%

[illegible]

INITIAL CALIBRATION REPORT

Instrument ID: 722.i
 Lab File ID: F08250C5.D
 Analysis Type: NONE

Injection Date: 25-AUG-2000 14:47
 Lab Sample ID: sstd160
 Method File: \\QPITPA02\D\chem\722.i\082500.b\

COMPOUND	%RSD
7,12-dimethylbenz[a]anthracen	12.5
Benzo(k)fluoranthene	7.0
Benzo(a)pyrene	6.2
Indeno(1,2,3-cd)pyrene	15.3
Dibenz(a,h)anthracene	14.4
Benzo(g,h,i)perylene	12.7

The average of all %RSD's in the initial calibration is 5.8

INITIAL CALIBRATION REPORT

Instrument ID: 722.i
 Lab File ID: F08250C5.D
 Analysis Type: NONE

Injection Date: 25-AUG-2000 14:47
 Lab Sample ID: sstd160
 Method File: \\QPITPA02\D\chem\722.i\082500.b\

COMPOUND	%RSD
Pyridine	11.9
N-Nitrosodimethylamine	10.4
Methyl methanesulfonate	2.0
2-Fluorophenol	1.8
Phenol-d5	1.4
Aniline	2.1
Phenol	1.6
bis(2-Chloroethyl)ether	3.5
2-Chlorophenol-d4	2.6
2-Chlorophenol	2.8
1,3-Dichlorobenzene	1.3
1,4-Dichlorobenzene	1.1
Benzyl Alcohol	1.9
1,2-Dichlorobenzene-d4	1.1
1,2-Dichlorobenzene	2.2
2-Methylphenol	2.9
2,2'-oxybis(1-Chloropropane)	6.4
4-Methylphenol	3.2
N-Nitroso-di-n-propylamine	4.6
Hexachloroethane	2.3
Nitrobenzene-d5	2.0
Nitrobenzene	2.4
Isophorone	2.9
2-Nitrophenol	4.0
2,4-Dimethylphenol	2.6
bis(2-Chloroethoxy)methane	3.2
Benzoic Acid	17.8
2,4-Dichlorophenol	2.5
1,2,4-Trichlorobenzene	2.7
Naphthalene	2.1
4-Chloroaniline	2.6
Hexachlorobutadiene	4.4
4-Chloro-3-Methylphenol	3.2
2-Methylnaphthalene	2.5
1-Methylnaphthalene	1.0
Hexachlorocyclopentadiene	6.1
2,4,6-Trichlorophenol	3.9
2,4,5-Trichlorophenol	3.9
2-Fluorobiphenyl	3.6

INITIAL CALIBRATION REPORT

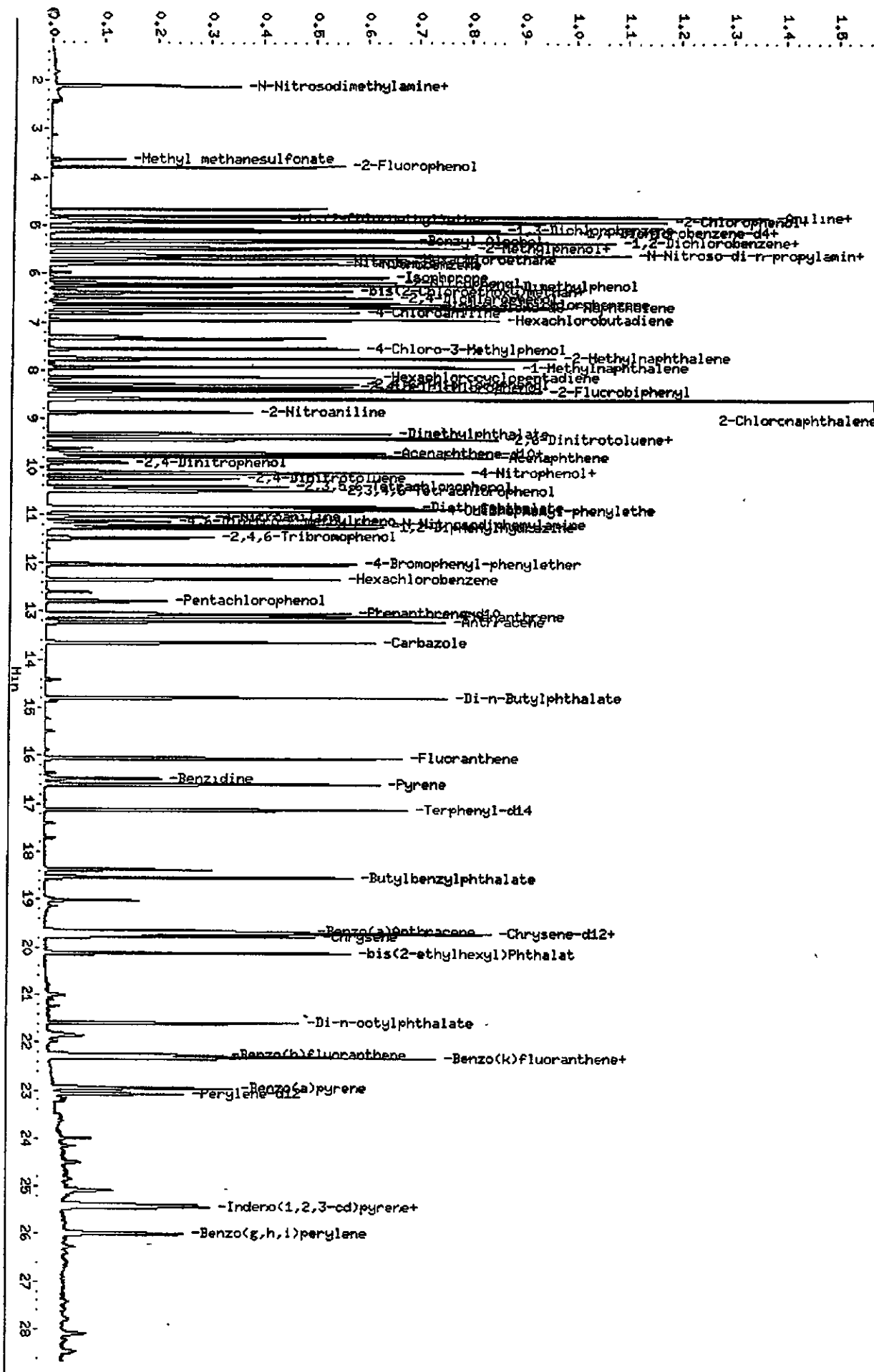
Instrument ID: 722.i
 Lab File ID: F08250C5.D
 Analysis Type: NONE

Injection Date: 25-AUG-2000 14:47
 Lab Sample ID: sstd160
 Method File: \\QPITPA02\D\chem\722.i\082500.b\

COMPOUND	%RSD
2-Chloronaphthalene	3.5
2-Nitroaniline	5.6
Dimethylphthalate	4.0
Acenaphthylene	3.8
2,6-Dinitrotoluene	4.7
3-Nitroaniline	4.1
Acenaphthene	2.8
2,4-Dinitrophenol	37.3
4-Nitrophenol	11.1
Dibenzofuran	2.9
2,4-Dinitrotoluene	6.5
2,3,5,6-Tetrachlorophenol	8.5
2,3,4,6-Tetrachlorophenol	5.4
Diethylphthalate	4.8
Fluorene	3.8
4-Chlorophenyl-phenylether	3.3
4-Nitroaniline	7.6
4,6-Dinitro-2-methylphenol	19.2
N-Nitrosodiphenylamine	2.9
1,2-Diphenylhydrazine	4.2
2,4,6-Tribromophenol	4.6
4-Bromophenyl-phenylether	2.1
Hexachlorobenzene	2.6
Pentachlorophenol	29.4
Phenanthrene	3.2
Anthracene	3.5
Carbazole	3.7
Di-n-Butylphthalate	4.1
Fluoranthene	5.7
Benzidine	7.5
Pyrene	13.4
Terphenyl-d14	12.1
Butylbenzylphthalate	7.2
Benzo(a)Anthracene	2.2
3,3'-Dichlorobenzidine	5.1
Chrysene	1.7
bis(2-ethylhexyl)Phthalate	4.3
Di-n-octylphthalate	3.9
Benzo(b)fluoranthene	13.2

Data File: \\qp1f602j\home\722.1\082500.j\082500c1.D
Date : 28-AUG-2000 12:34
Client ID:
Sample Info: SSTM080 (25ppb) 194-183-13
Volume Injected (uL): 2.0
Column phase: Hp5-MS

Instrument: 722.i
Operator: 007062
Column diameter: 0.25



report Date: 25-Aug-2000 13:10

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F08250C1.D
 Lab Smp Id: sstd050 Client Smp ID: SSTD050
 Inj Date : 25-AUG-2000 12:31
 Operator : 007062 Inst ID: 722.i
 Smp Info : SSTD050 (25ppb) 194-183-13
 Misc Info : sstd050,082500.b,8270b.m,2-root.sub,1,2
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 13:09 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 12:31 Cal File: F08250C1.D
 Als bottle: 2 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 2-root.sub
 Target Version: 4.04
 Processing Host: PITPC083

FBP
8/25/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
*****	****	==	=====	=====	=====	=====	=====
* 1 1,4-Dichlorobenzene-d4	152	5.121	5.121	(1.000)	131470	40.0000	
* 2 Naphthalene-d8	136	6.675	6.675	(1.000)	486958	40.0000	
* 3 Acenaphthene-d10	164	9.731	9.731	(1.000)	275855	40.0000	
* 4 Phenanthrene-d10	188	13.054	13.054	(1.000)	513024	40.0000	
* 5 Chrysene-d12	240	19.705	19.705	(1.000)	353066	40.0000	
* 6 Perylene-d12	264	23.075	23.075	(1.000)	207071	40.0000	
10 N-Nitrosodimethylamine	74	2.108	2.108	(0.412)	60773	50.0000	50.0
9 Pyridine	79	2.108	2.108	(0.412)	103545	50.0000	50.0
16 Methyl methanesulfonate	80	3.625	3.625	(0.708)	63931	50.0000	50.0
21 Aniline	93	4.816	4.816	(0.941)	235567	50.0000	50.0
22 Phenol	94	4.816	4.816	(0.941)	240326	50.0000	50.0
23 bis(2-Chloroethyl)ether	93	4.886	4.886	(0.954)	180788	50.0000	50.0
24 2-Chlorophenol	128	4.934	4.934	(0.963)	213135	50.0000	50.0
26 1,3-Dichlorobenzene	146	5.078	5.078	(0.992)	246787	50.0000	50.0
27 1,4-Dichlorobenzene	146	5.137	5.137	(1.003)	253518	50.0000	50.0
28 1,2-Dichlorobenzene	146	5.350	5.350	(1.045)	234091	50.0000	50.0
29 Benzyl Alcohol	108	5.308	5.308	(1.037)	138831	50.0000	50.0
30 2-Methylphenol	108	5.462	5.462	(1.067)	175445	50.0000	50.0
31 2,2'-oxybis(1-Chloropropane)	45	5.478	5.478	(1.070)	174673	50.0000	50.0
32 N-Nitroso-di-n-propylamine	70	5.644	5.644	(1.102)	130685	50.0000	50.0
192 4-Methylphenol	108	5.623	5.623	(1.098)	187613	50.0000	50.0
34 Hexachloroethane	117	5.698	5.698	(1.113)	99603	50.0000	50.0
35 Nitrobenzene	77	5.810	5.810	(0.870)	221897	50.0000	50.0
41 Isophorone	82	6.087	6.087	(0.912)	349214	50.0000	50.0
42 2-Nitrophenol	139	6.200	6.200	(0.929)	120986	50.0000	50.0
43 2,4-Dimethylphenol	107	6.253	6.253	(0.937)	215502	50.0000	50.0

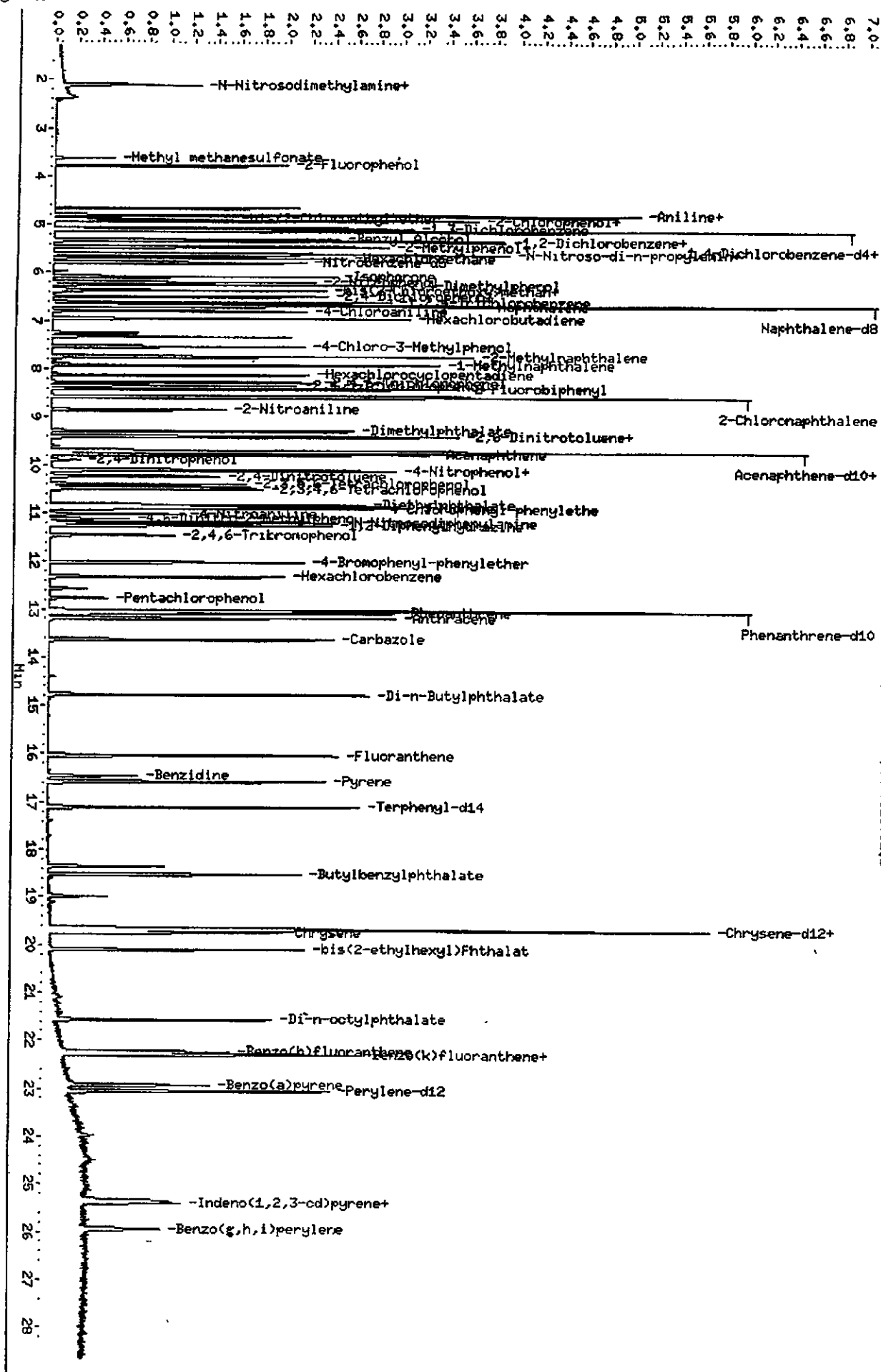
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
44 bis(2-Chloroethoxy)methane	93	6.376	6.376	(0.955)	207596	50.0000	50.0
48 2,4-Dichlorophenol	162	6.510	6.510	(0.975)	177569	50.0000	50.0
49 Benzoic Acid	122	6.408	6.408	(0.960)	88709	50.0000	50.0
50 1,2,4-Trichlorobenzene	180	6.622	6.622	(0.992)	207017	50.0000	50.0
51 Naphthalene	128	6.702	6.702	(1.004)	639846	50.0000	50.0
52 4-Chloroaniline	127	6.809	6.809	(1.020)	241314	50.0000	50.0
56 Hexachlorobutadiene	225	6.958	6.958	(1.042)	132658	50.0000	50.0
59 4-Chloro-3-Methylphenol	107	7.551	7.551	(1.131)	187573	50.0000	50.0
62 2-Methylnaphthalene	142	7.749	7.749	(1.161)	429342	50.0000	50.0
205 1-Methylnaphthalene	142	7.936	7.936	(1.189)	391792	50.0000	50.0
64 Hexachlorocyclopentadiene	237	8.144	8.144	(0.837)	153049	50.0000	50.0
66 2,4,6-Trichlorophenol	196	8.288	8.288	(0.852)	130817	50.0000	50.0
67 2,4,5-Trichlorophenol	196	8.363	8.363	(0.859)	138124	50.0000	50.0
70 2-Chloronaphthalene	162	8.604	8.604	(0.884)	412332	50.0000	50.0
73 2-Nitroaniline	65	8.871	8.871	(0.912)	111947	50.0000	50.0
76 Dimethylphthalate	163	9.314	9.314	(0.957)	477675	50.0000	50.0
78 2,6-Dinitrotoluene	165	9.437	9.437	(0.970)	101576	50.0000	50.0
79 Acenaphthylene	152	9.416	9.416	(0.968)	626252	50.0000	50.0
81 3-Nitroaniline	138	9.709	9.709	(0.998)	106998	50.0000	50.0
82 Acenaphthene	153	9.800	9.800	(1.007)	386503	50.0000	50.0
83 2,4-Dinitrophenol	184	9.912	9.912	(1.019)	40839	50.0000	50.0
85 4-Nitrophenol	109	10.105	10.105	(1.038)	90122	50.0000	50.0
86 Dibenzofuran	168	10.131	10.131	(1.041)	579317	50.0000	50.0
87 2,4-Dinitrotoluene	165	10.249	10.249	(1.053)	139087	50.0000	50.0
91 2,3,5,6-Tetrachlorophenol	232	10.415	10.415	(1.070)	106753	50.0000	50.0
88 2,3,4,6-Tetrachlorophenol	232	10.511	10.511	(1.080)	107737	50.0000	50.0
93 Diethylphthalate	149	10.847	10.847	(1.115)	496523	50.0000	50.0
94 Fluorene	166	10.885	10.885	(1.119)	463321	50.0000	50.0
95 4-Chlorophenyl-phenylether	204	10.927	10.927	(1.123)	232669	50.0000	50.0
96 4-Nitroaniline	138	11.050	11.050	(1.136)	109474	50.0000	50.0
98 4,6-Dinitro-2-methylphenol	198	11.146	11.146	(0.854)	70410	50.0000	50.0
99 N-Nitrosodiphenylamine	169	11.216	11.216	(0.859)	329978	50.0000	50.0
100 1,2-Diphenylhydrazine	77	11.275	11.275	(0.864)	449982	50.0000	50.0
106 4-Bromophenyl-phenylether	248	12.033	12.033	(0.922)	128543	50.0000	50.0
107 Hexachlorobenzene	284	12.338	12.338	(0.945)	135505	50.0000	50.0
111 Pentachlorophenol	266	12.787	12.787	(0.980)	48415	50.0000	50.0
115 Phenanthrene	178	13.107	13.107	(1.004)	653790	50.0000	50.0
116 Anthracene	178	13.209	13.209	(1.012)	663743	50.0000	50.0
119 Carbazole	167	13.652	13.652	(1.046)	570875	50.0000	50.0
120 Di-n-Butylphthalate	149	14.790	14.790	(1.133)	762807	50.0000	50.0
123 Fluoranthene	202	16.056	16.056	(1.230)	665709	50.0000	50.0
124 Benzidine	184	16.473	16.473	(0.836)	197736	50.0000	50.0
125 Pyrene	202	16.595	16.595	(0.842)	634945	50.0000	50.0
131 Butylbenzylphthalate	149	18.540	18.540	(0.941)	277075	50.0000	50.0
135 3,3'-Dichlorobenzidine	252	19.710	19.710	(1.000)	194570	50.0000	50.0
136 Benzo(a)Anthracene	228	19.662	19.662	(0.998)	497056	50.0000	50.0
137 Chrysene	228	19.769	19.769	(1.003)	429772	50.0000	50.0

Report Date: 25-Aug-2000 13:10

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (NG)	ON-COL (NG)
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139 bis(2-ethylhexyl)Phthalate	149	20.116	20.116	(1.021)	309550	50.0000	50.0
140 Di-n-octylphthalate	149	21.590	21.590	(0.936)	460715	50.0000	50.0
141 Benzo(b)fluoranthene	252	22.258	22.258	(0.965)	321011	50.0000	50.0
142 Benzo(k)fluoranthene	252	22.312	22.312	(0.967)	350611	50.0000	50.0
143 7,12-dimethylbenz[a]anthracen	256	22.312	22.312	(0.967)	154866	50.0000	50.0
146 Benzo(a)pyrene	252	22.953	22.953	(0.995)	314025	50.0000	50.0
149 Indeno(1,2,3-cd)pyrene	276	25.383	25.383	(1.100)	327238	50.0000	50.0
150 Dibenz(a,h)anthracene	278	25.437	25.437	(1.102)	294006	50.0000	50.0
151 Benzo(g,h,i)perylene	276	25.992	25.992	(1.126)	295414	50.0000	50.0
\$ 154 Nitrobenzene-d5	82	5.788	5.788	(0.867)	221580	50.0000	50.0
\$ 155 2-Fluorobiphenyl	172	8.433	8.433	(0.867)	467252	50.0000	50.0
\$ 156 Terphenyl-d14	244	17.124	17.124	(0.869)	500303	50.0000	50.0
\$ 157 Phenol-d5	99	4.805	4.805	(0.938)	223545	50.0000	50.0
\$ 158 2-Fluorophenol	112	3.785	3.785	(0.739)	172654	50.0000	50.0
\$ 159 2,4,6-Tribromophenol	330	11.483	11.483	(0.880)	59544	50.0000	50.0
\$ 186 2-Chlorophenol-d4	132	4.918	4.918	(0.960)	196732	50.0000	50.0
\$ 187 1,2-Dichlorobenzene-d4	152	5.334	5.334	(1.042)	149849	50.0000	50.0

Data File: \\AQITPA02\\D\\chem\\722.1\\082500.b\\F08250C2.D
 Date: 25-AUG-2000 13:05
 Client ID: SST020
 Sample Info: SST020 (10ppb) 194-188-3
 Column phase: Hp5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Report Date: 25-Aug-2000 13:48

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F08250C2.D
 Lab Smp Id: sstd020 Client Smp ID: SSTD20
 Inj Date : 25-AUG-2000 13:05
 Operator : 007062 Inst ID: 722.i
 Smp Info : SSTD020 (10ppb) 194-188-3
 Misc Info : sstd020,082500.b,8270b.m,2-root.sub,1,1
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 13:48 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 13:05 Cal File: F08250C2.D
 Als bottle: 26 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 2-root.sub
 Target Version: 4.04
 Processing Host: PITPC083

and 8/25/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.113	5.113	(1.000)	123764	40.0000	
* 2 Naphthalene-d8	136	6.668	6.668	(1.000)	473133	40.0000	
* 3 Acenaphthene-d10	164	9.718	9.718	(1.000)	284888	40.0000	
* 4 Phenanthrene-d10	188	13.035	13.035	(1.000)	534675	40.0000	
* 5 Chrysene-d12	240	19.686	19.686	(1.000)	370055	40.0000	
* 6 Perylene-d12	264	23.047	23.047	(1.000)	202310	40.0000	
10 N-Nitrosodimethylamine	74	2.100	2.100	(0.411)	20497	20.0000	18.9
9 Pyridine	79	2.105	2.105	(0.412)	32475	20.0000	18.2
16 Methyl methanesulfonate	80	3.623	3.623	(0.709)	24442	20.0000	20.2
21 Aniline	93	4.809	4.809	(0.940)	86571	20.0000	19.8
22 Phenol	94	4.809	4.809	(0.940)	89607	20.0000	19.9
23 bis(2-Chloroethyl)ether	93	4.873	4.873	(0.953)	65139	20.0000	19.6
24 2-Chlorophenol	128	4.926	4.926	(0.963)	75338	20.0000	19.4
26 1,3-Dichlorobenzene	146	5.076	5.076	(0.993)	90227	20.0000	19.7
27 1,4-Dichlorobenzene	146	5.129	5.129	(1.003)	93010	20.0000	19.7
28 1,2-Dichlorobenzene	146	5.337	5.337	(1.044)	83206	20.0000	19.4
29 Benzyl Alcohol	108	5.295	5.295	(1.036)	50746	20.0000	19.7
30 2-Methylphenol	108	5.450	5.450	(1.066)	63583	20.0000	19.6
31 2,2'-oxybis(1-Chloropropane)	45	5.471	5.471	(1.070)	62581	20.0000	19.5
32 N-Nitroso-di-n-propylamine	70	5.626	5.626	(1.100)	46345	20.0000	19.4
192 4-Methylphenol	108	5.610	5.610	(1.097)	67050	20.0000	19.5
34 Hexachloroethane	117	5.690	5.690	(1.113)	35843	20.0000	19.5
35 Nitrobenzene	77	5.797	5.797	(0.869)	80987	20.0000	19.4
41 Isophorone	82	6.075	6.075	(0.911)	126491	20.0000	19.3
42 2-Nitrophenol	139	6.187	6.187	(0.928)	42180	20.0000	18.9
43 2,4-Dimethylphenol	107	6.240	6.240	(0.936)	78280	20.0000	19.3

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
44 bis (2-Chloroethoxy)methane	93	6.363	6.363	(0.954)	75689	20.0000	19.4
48 2,4-Dichlorophenol	162	6.497	6.497	(0.974)	64316	20.0000	19.3
49 Benzoic Acid	122	6.358	6.358	(0.954)	26155	20.0000	17.2 (H)
50 1,2,4-Trichlorobenzene	180	6.609	6.609	(0.991)	75035	20.0000	19.3
51 Naphthalene	128	6.694	6.694	(1.004)	237276	20.0000	19.5
52 4-Chloroaniline	127	6.796	6.796	(1.019)	88027	20.0000	19.4
56 Hexachlorobutadiene	225	6.951	6.951	(1.042)	48368	20.0000	19.4
59 4-Chloro-3-Methylphenol	107	7.533	7.533	(1.130)	67619	20.0000	19.2
62 2-Methylnaphthalene	142	7.736	7.736	(1.160)	159982	20.0000	19.6
205 1-Methylnaphthalene	142	7.923	7.923	(1.188)	151336	20.0000	19.9
64 Hexachlorocyclopentadiene	237	8.126	8.126	(0.836)	54208	20.0000	18.5
66 2,4,6-Trichlorophenol	196	8.276	8.276	(0.852)	48687	20.0000	19.0
67 2,4,5-Trichlorophenol	196	8.345	8.345	(0.859)	52061	20.0000	19.1
70 2-Chloronaphthalene	162	8.585	8.585	(0.883)	156018	20.0000	19.1
73 2-Nitroaniline	65	8.853	8.853	(0.911)	40416	20.0000	18.6
76 Dimethylphthalate	163	9.291	9.291	(0.956)	179804	20.0000	19.1
78 2,6-Dinitrotoluene	165	9.419	9.419	(0.969)	37279	20.0000	18.8
79 Acenaphthylene	152	9.403	9.403	(0.968)	237303	20.0000	19.1
81 3-Nitroaniline	138	9.686	9.686	(0.997)	39972	20.0000	19.0
82 Acenaphthene	153	9.782	9.782	(1.007)	148989	20.0000	19.3
83 2,4-Dinitrophenol	184	9.900	9.900	(1.019)	7391	20.0000	12.2
85 4-Nitrophenol	109	10.087	10.087	(1.038)	30901	20.0000	18.1
86 Dibenzofuran	168	10.119	10.119	(1.041)	224435	20.0000	19.4
87 2,4-Dinitrotoluene	165	10.231	10.231	(1.053)	50706	20.0000	18.8
91 2,3,5,6-Tetrachlorophenol	232	10.396	10.396	(1.070)	38761	20.0000	18.7
88 2,3,4,6-Tetrachlorophenol	232	10.498	10.498	(1.080)	39721	20.0000	18.9
93 Diethylphthalate	149	10.829	10.829	(1.114)	186381	20.0000	19.0
94 Fluorene	166	10.872	10.872	(1.119)	176729	20.0000	19.2
95 4-Chlorophenyl-phenylether	204	10.909	10.909	(1.123)	89237	20.0000	19.2
96 4-Nitroaniline	138	11.021	11.021	(1.134)	38116	20.0000	18.3
98 4,6-Dinitro-2-methylphenol	198	11.118	11.118	(0.853)	19402	20.0000	15.9
99 N-Nitrosodiphenylamine	169	11.198	11.198	(0.859)	127801	20.0000	19.3
100 1,2-Diphenylhydrazine	77	11.256	11.256	(0.864)	171221	20.0000	19.1
106 4-Bromophenyl-phenylether	248	12.020	12.020	(0.922)	50901	20.0000	19.5
107 Hexachlorobenzene	284	12.325	12.325	(0.945)	52708	20.0000	19.3
111 Pentachlorophenol	266	12.768	12.768	(0.980)	12421	20.0000	15.2
115 Phenanthrene	178	13.083	13.083	(1.004)	251545	20.0000	19.2
116 Anthracene	178	13.190	13.190	(1.012)	253533	20.0000	19.1
119 Carbazole	167	13.634	13.634	(1.046)	217664	20.0000	19.1
120 Di-n-Butylphthalate	149	14.777	14.777	(1.134)	286735	20.0000	19.0
123 Fluoranthene	202	16.032	16.032	(1.230)	247602	20.0000	18.9
124 Benzidine	184	16.454	16.454	(0.836)	72613	20.0000	18.7
125 Pyrene	202	16.577	16.577	(0.842)	242801	20.0000	19.1
131 Butylbenzylphthalate	149	18.522	18.522	(0.941)	106072	20.0000	19.1
135 3,3'-Dichlorobenzidine	252	19.686	19.686	(1.000)	72650	20.0000	18.8
136 Benzo(a)Anthracene	228	19.638	19.638	(0.998)	200633	20.0000	19.6
137 Chrysene	228	19.740	19.740	(1.003)	172414	20.0000	19.6

Report Date: 25-Aug-2000 13:48

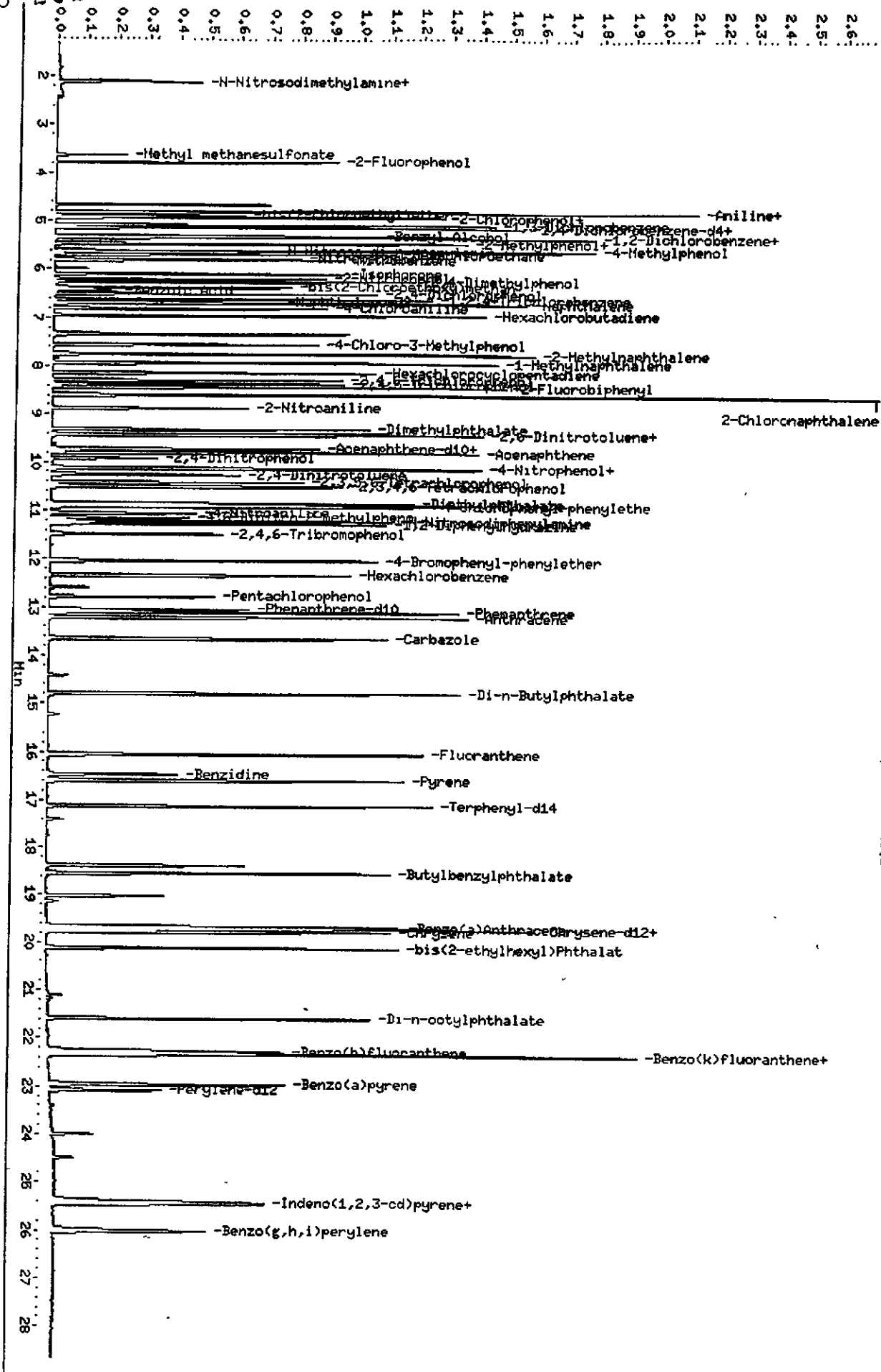
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
139 bis (2-ethylhexyl) Phthalate	149	20.098	20.098	(1.021)	122823	20.0000	19.4
140 Di-n-octylphthalate	149	21.567	21.567	(0.936)	179490	20.0000	20.0
141 Benzo (b) fluoranthene	252	22.219	22.219	(0.964)	132286	20.0000	20.5
142 Benzo (k) fluoranthene	252	22.277	22.277	(0.967)	131592	20.0000	19.6
143 7,12-dimethylbenz [a] anthracen	256	22.288	22.288	(0.967)	54866	20.0000	19.0
146 Benzo (a) pyrene	252	22.924	22.924	(0.995)	113762	20.0000	19.2
149 Indeno (1,2,3-cd) pyrene	276	25.344	25.344	(1.100)	102797	20.0000	17.8
150 Dibenzo (a,h) anthracene	278	25.397	25.397	(1.102)	93760	20.0000	18.0
151 Benzo (g,h,i) perylene	276	25.947	25.947	(1.126)	90198	20.0000	17.5
\$ 154 Nitrobenzene-d5	82	5.775	5.775	(0.866)	82050	20.0000	19.5
\$ 155 2-Fluorobiphenyl	172	8.414	8.414	(0.866)	180955	20.0000	19.4
\$ 156 Terphenyl-d14	244	17.106	17.106	(0.869)	201956	20.0000	19.6
\$ 157 Phenol-d5	99	4.792	4.792	(0.937)	81449	20.0000	19.7
\$ 158 2-Fluorophenol	112	3.783	3.783	(0.740)	61802	20.0000	19.5
\$ 159 2,4,6-Tribromophenol	330	11.465	11.465	(0.880)	22054	20.0000	18.8
\$ 186 2-Chlorophenol-d4	132	4.910	4.910	(0.960)	70701	20.0000	19.5
\$ 187 1,2-Dichlorobenzene-d4	152	5.327	5.327	(1.042)	55573	20.0000	19.8

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\QPI1P002\\chem\\722.1\\082600.b\\F08260C3.D
 Date: 25-AUG-2000 13:39
 Client ID: SST080
 Sample Info: SST080 (40pb) 194-188-5
 Column phase: Hp5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Report Date: 25-Aug-2000 14:16

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F08250C3.D
 Lab Smp Id: sstd080 Client Smp ID: SSTD80
 Inj Date : 25-AUG-2000 13:39
 Operator : 007062 Inst ID: 722.i
 Smp Info : SSTD080 (40ppb) 194-188-5
 Misc Info : sstd080,082500.b,8270b.m,2-root.sub,1,3
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 14:16 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 13:39 Cal File: F08250C3.D
 Als bottle: 27 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 2-root.sub
 Target Version: 4.04
 Processing Host: PITPC083

*ml
8/25/00*

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.121	5.121	(1.000)	133588	40.0000	
* 2 Naphthalene-d8	136	6.680	6.680	(1.000)	490046	40.0000	
* 3 Acenaphthene-d10	164	9.736	9.736	(1.000)	307678	40.0000	
* 4 Phenanthrene-d10	188	13.054	13.054	(1.000)	605242	40.0000	
* 5 Chrysene-d12	240	19.705	19.705	(1.000)	520520	40.0000	
* 6 Perylene-d12	264	23.075	23.075	(1.000)	318002	40.0000	
10 N-Nitrosodimethylamine	74	2.113	2.113	(0.413)	79566	80.0000	71.6
9 Pyridine	79	2.108	2.108	(0.412)	132429	80.0000	72.1
16 Methyl methanesulfonate	80	3.625	3.625	(0.708)	109454	80.0000	82.4
21 Aniline	93	4.816	4.816	(0.941)	373583	80.0000	79.3
22 Phenol	94	4.827	4.827	(0.943)	381117	80.0000	78.9
23 bis(2-Chloroethyl)ether	93	4.891	4.891	(0.955)	273023	80.0000	77.2
24 2-Chlorophenol	128	4.934	4.934	(0.963)	326427	80.0000	78.5
26 1,3-Dichlorobenzene	146	5.083	5.083	(0.993)	388688	80.0000	79.1
27 1,4-Dichlorobenzene	146	5.142	5.142	(1.004)	405607	80.0000	79.8
28 1,2-Dichlorobenzene	146	5.350	5.350	(1.045)	365115	80.0000	79.3
29 Benzyl Alcohol	108	5.313	5.313	(1.038)	216391	80.0000	78.5
30 2-Methylphenol	108	5.468	5.468	(1.068)	268509	80.0000	77.8
31 2,2'-oxybis(1-Chloropropane)	45	5.478	5.478	(1.070)	250625	80.0000	74.7
32 N-Nitroso-di-n-propylamine	70	5.649	5.649	(1.103)	191866	80.0000	76.2
192 4-Methylphenol	108	5.628	5.628	(1.099)	284358	80.0000	77.6
34 Hexachloroethane	117	5.697	5.697	(1.113)	153302	80.0000	78.3
35 Nitrobenzene	77	5.815	5.815	(0.870)	344940	80.0000	79.8
41 Isophorone	82	6.098	6.098	(0.913)	527373	80.0000	78.4
42 2-Nitrophenol	139	6.200	6.200	(0.928)	180563	80.0000	78.8
43 2,4-Dimethylphenol	107	6.258	6.258	(0.937)	334316	80.0000	79.8

Report Date: 25-Aug-2000 14:16

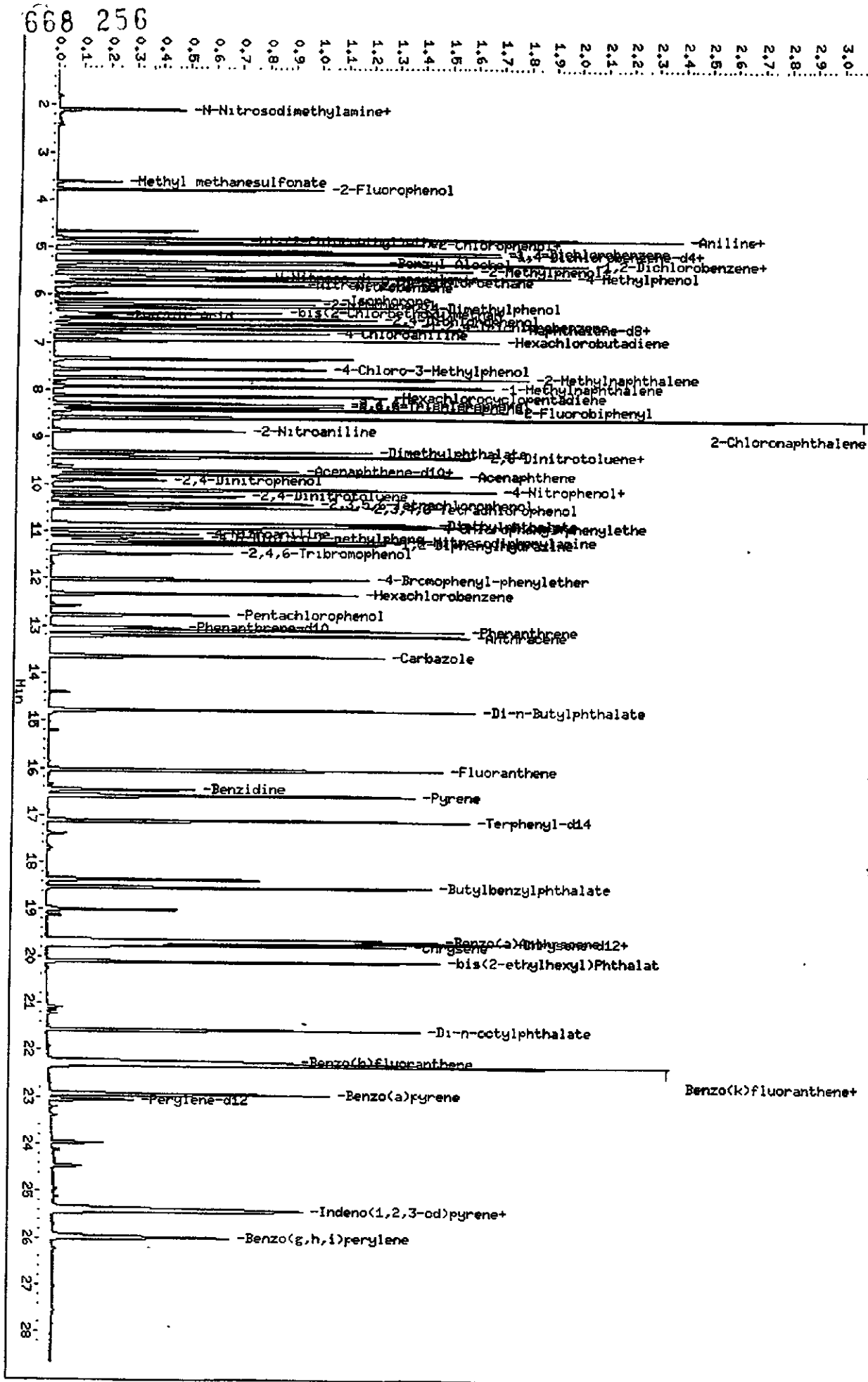
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
44 Bis(2-Chloroethoxy)methane	93	6.381	6.381	(0.955)	309342	80.0000	77.6
48 2,4-Dichlorophenol	162	6.515	6.515	(0.975)	273986	80.0000	79.5
49 Benzoic Acid	122	6.445	6.445	(0.965)	158213	80.0000	92.7
50 1,2,4-Trichlorobenzene	180	6.622	6.622	(0.991)	324622	80.0000	80.4
51 Naphthalene	128	6.707	6.707	(1.004)	979330	80.0000	78.5
52 4-Chloroaniline	127	6.814	6.814	(1.020)	372556	80.0000	79.4
56 Hexachlorobutadiene	225	6.958	6.958	(1.042)	217517	80.0000	82.7
59 4-Chloro-3-Methylphenol	107	7.562	7.562	(1.132)	296361	80.0000	81.0
62 2-Methylnaphthalene	142	7.754	7.754	(1.161)	691641	80.0000	81.1
205 1-Methylnaphthalene	142	7.936	7.936	(1.188)	632290	80.0000	80.3
64 Hexachlorocyclopentadiene	237	8.144	8.144	(0.836)	262092	80.0000	81.8
66 2,4,6-Trichlorophenol	196	8.294	8.294	(0.852)	218638	80.0000	79.2
67 2,4,5-Trichlorophenol	196	8.369	8.369	(0.860)	228964	80.0000	78.5
70 2-Chloronaphthalene	162	8.609	8.609	(0.884)	681895	80.0000	78.2
73 2-Nitroaniline	65	8.876	8.876	(0.912)	184773	80.0000	79.3
76 Dimethylphthalate	163	9.319	9.319	(0.957)	786580	80.0000	78.1
78 2,6-Dinitrotoluene	165	9.442	9.442	(0.970)	170333	80.0000	79.7
79 Acenaphthylene	152	9.421	9.421	(0.968)	1031720	80.0000	78.0
81 3-Nitroaniline	138	9.715	9.715	(0.998)	180500	80.0000	79.6
82 Acenaphthene	153	9.806	9.806	(1.007)	654107	80.0000	79.0
83 2,4-Dinitrophenol	184	9.923	9.923	(1.019)	89883	80.0000	111
85 4-Nitrophenol	109	10.115	10.115	(1.039)	163614	80.0000	85.7
86 Dibenzofuran	168	10.142	10.142	(1.042)	992079	80.0000	79.5
87 2,4-Dinitrotoluene	165	10.265	10.265	(1.054)	242458	80.0000	82.0
91 2,3,5,6-Tetrachlorophenol	232	10.420	10.420	(1.070)	195309	80.0000	84.7
88 2,3,4,6-Tetrachlorophenol	232	10.516	10.516	(1.080)	188337	80.0000	81.8
93 Diethylphthalate	149	10.858	10.858	(1.115)	850370	80.0000	80.3
94 Fluorene	166	10.895	10.895	(1.119)	799527	80.0000	80.3
95 4-Chlorophenyl-phenylether	204	10.927	10.927	(1.122)	396922	80.0000	79.5
96 4-Nitroaniline	138	11.066	11.066	(1.137)	185175	80.0000	81.5
98 4,6-Dinitro-2-methylphenol	198	11.157	11.157	(0.855)	136540	80.0000	91.7
99 N-Nitrosodiphenylamine	169	11.227	11.227	(0.860)	583003	80.0000	78.4
100 1,2-Diphenylhydrazine	77	11.285	11.285	(0.865)	771002	80.0000	77.2
106 4-Bromophenyl-phenylether	248	12.039	12.039	(0.922)	231887	80.0000	78.9
107 Hexachlorobenzene	284	12.343	12.343	(0.946)	243776	80.0000	79.2
111 Pentachlorophenol	266	12.786	12.786	(0.980)	110873	80.0000	103
115 Phenanthrene	178	13.112	13.112	(1.004)	1151546	80.0000	78.4
116 Anthracene	178	13.219	13.219	(1.013)	1158590	80.0000	78.1
119 Carbazole	167	13.657	13.657	(1.046)	1016143	80.0000	79.2
120 Di-n-Butylphthalate	149	14.795	14.795	(1.133)	1349843	80.0000	79.2
123 Fluoranthene	202	16.061	16.061	(1.230)	1217876	80.0000	81.3
124 Benzidine	184	16.478	16.478	(0.836)	391955	80.0000	74.2
125 Pyrene	202	16.601	16.601	(0.842)	1171955	80.0000	69.7
131 Butylbenzylphthalate	149	18.540	18.540	(0.941)	561270	80.0000	74.4
135 3,3'-Dichlorobenzidine	252	19.715	19.715	(1.001)	456048	80.0000	82.7
136 Benzo(a)Anthracene	228	19.667	19.667	(0.998)	1166004	80.0000	80.7
137 Chrysene	228	19.779	19.779	(1.004)	974552	80.0000	79.1

Report Date: 25-Aug-2000 14:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(NG)	(NG)
=====	----	--	-----	-----	-----	-----	-----
139 bis(2-ethylhexyl)Phthalate	149	20.116	20.116	(1.021)	659397	80.0000	76.1
140 Di-n-octylphthalate	149	21.596	21.596	(0.936)	1076581	80.0000	77.4
141 Benzo(b)fluoranthene	252	22.269	22.269	(0.965)	897664	80.0000	85.6
142 Benzo(k)fluoranthene	252	22.328	22.328	(0.968)	979709	80.0000	88.1
143 7,12-dimethylbenz[a]anthracen	256	22.328	22.328	(0.968)	444208	80.0000	91.1
146 Benzo(a)pyrene	252	22.958	22.958	(0.995)	785081	80.0000	82.9
149 Indeno(1,2,3-cd)pyrene	276	25.405	25.405	(1.101)	867103	80.0000	89.8
150 Dibenz(a,h)anthracene	278	25.447	25.447	(1.103)	755007	80.0000	87.7
151 Benzo(g,h,i)perylene	276	26.014	26.014	(1.127)	722519	80.0000	86.0
\$ 154 Nitrobenzene-d5	82	5.794	5.794	(0.867)	341286	80.0000	78.9
\$ 155 2-Fluorobiphenyl	172	8.438	8.438	(0.867)	768457	80.0000	77.4
\$ 156 Terphenyl-d14	244	17.130	17.130	(0.869)	955709	80.0000	70.1
\$ 157 Phenol-d5	99	4.811	4.811	(0.939)	356517	80.0000	79.8
\$ 158 2-Fluorophenol	112	3.785	3.785	(0.739)	275873	80.0000	80.4
\$ 159 2,4,6-Tribromophenol	330	11.488	11.488	(0.880)	104603	80.0000	79.2
\$ 186 2-Chlorophenol-d4	132	4.918	4.918	(0.960)	304822	80.0000	78.7
\$ 187 1,2-Dichlorobenzene-d4	152	5.334	5.334	(1.042)	237960	80.0000	79.2

Data File: \\NPITPA02\\chem\\722.1\\082500.b\\F08250C4.D
 Date : 25-AUG-2000 14:13
 Client ID: SSTD120
 Sample Info: SSTD120 (60ppb) 194-188-6
 Column phase: Hp5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Report Date: 25-Aug-2000 14:53

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F08250C4.D

Lab Smp Id: sstd120

Client Smp ID: SSTD120

Inj Date : 25-AUG-2000 14:13

Operator : 007062

Inst ID: 722.i

Smp Info : SSTD120 (60ppb) 194-188-6

Misc Info : sstd120,082500.b,8270b.m,2-root.sub,1,4

Comment :

Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m

Meth Date : 25-Aug-2000 14:52 bungardf Quant Type: ISTD

Cal Date : 25-AUG-2000 14:13

Cal File: F08250C4.D

Als bottle: 28

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 2-root.sub

Target Version: 4.04

Processing Host: PITPC083

inv
8/25/00

Compounds	QUANT SIG							AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	(NG)	(NG)
* 1 1,4-Dichlorobenzene-d4	152	5.112	5.112	(1.000)	102411	40.0000			
* 2 Naphthalene-d8	136	6.667	6.667	(1.000)	364815	40.0000			
* 3 Acenaphthene-d10	164	9.722	9.722	(1.000)	227168	40.0000			
* 4 Phenanthrene-d10	188	13.040	13.040	(1.000)	467424	40.0000			
* 5 Chrysene-d12	240	19.696	19.696	(1.000)	434593	40.0000			
* 6 Perylene-d12	264	23.062	23.062	(1.000)	285472	40.0000			
10 N-Nitrosodimethylamine	74	2.104	2.104	(0.412)	92146	120.000	111		
9 Pyridine	79	2.094	2.094	(0.410)	152726	120.000	111		
16 Methyl methanesulfonate	80	3.622	3.622	(0.708)	123393	120.000	121		
21 Aniline	93	4.807	4.807	(0.940)	423152	120.000	118		
22 Phenol	94	4.818	4.818	(0.943)	433604	120.000	118		
23 bis(2-Chloroethyl)ether	93	4.882	4.882	(0.955)	310206	120.000	116		
24 2-Chlorophenol	128	4.930	4.930	(0.964)	372454	120.000	118		
26 1,3-Dichlorobenzene	146	5.075	5.075	(0.993)	451977	120.000	120		
27 1,4-Dichlorobenzene	146	5.133	5.133	(1.004)	461713	120.000	119		
28 1,2-Dichlorobenzene	146	5.342	5.342	(1.045)	420124	120.000	119		
29 Benzyl Alcohol	108	5.304	5.304	(1.038)	249093	120.000	118		
30 2-Methylphenol	108	5.459	5.459	(1.068)	306154	120.000	117		
31 2,2'-oxybis(1-Chloropropane)	45	5.470	5.470	(1.070)	283659	120.000	113		
32 N-Nitroso-di-n-propylamine	70	5.646	5.646	(1.104)	218922	120.000	115		
192 4-Methylphenol	108	5.619	5.619	(1.099)	323229	120.000	116		
34 Hexachloroethane	117	5.689	5.689	(1.113)	177529	120.000	119		
35 Nitrobenzene	77	5.806	5.806	(0.871)	394447	120.000	122		
41 Isophorone	82	6.090	6.090	(0.913)	601770	120.000	120		
42 2-Nitrophenol	139	6.191	6.191	(0.929)	205252	120.000	120		
43 2,4-Dimethylphenol	107	6.250	6.250	(0.938)	380537	120.000	121		

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
44 bis(2-Chloroethoxy)methane	93	6.373	6.373	(0.956)	349355	120.000	118
48 2,4-Dichlorophenol	162	6.501	6.501	(0.975)	309447	120.000	120
49 Benzoic Acid	122	6.448	6.448	(0.967)	193859	120.000	143
50 1,2,4-Trichlorobenzene	180	6.613	6.613	(0.992)	369042	120.000	122
51 Naphthalene	128	6.699	6.699	(1.005)	1116427	120.000	120
52 4-Chloroaniline	127	6.800	6.800	(1.020)	423390	120.000	121
56 Hexachlorobutadiene	225	6.950	6.950	(1.042)	249314	120.000	125
59 4-Chloro-3-Methylphenol	107	7.548	7.548	(1.132)	339175	120.000	123
62 2-Methylnaphthalene	142	7.740	7.740	(1.161)	789152	120.000	123
205 1-Methylnaphthalene	142	7.927	7.927	(1.189)	719906	120.000	122
64 Hexachlorocyclopentadiene	237	8.130	8.130	(0.836)	299771	120.000	125
66 2,4,6-Trichlorophenol	196	8.285	8.285	(0.852)	250406	120.000	122
67 2,4,5-Trichlorophenol	196	8.360	8.360	(0.860)	268286	120.000	123
70 2-Chloronaphthalene	162	8.595	8.595	(0.884)	784014	120.000	121
73 2-Nitroaniline	65	8.862	8.862	(0.912)	220565	120.000	126
76 Dimethylphthalate	163	9.306	9.306	(0.957)	924473	120.000	123
78 2,6-Dinitrotoluene	165	9.434	9.434	(0.970)	199377	120.000	125
79 Acenaphthylene	152	9.407	9.407	(0.968)	1198926	120.000	122
81 3-Nitroaniline	138	9.706	9.706	(0.998)	210264	120.000	124
82 Acenaphthene	153	9.792	9.792	(1.007)	751262	120.000	122
83 2,4-Dinitrophenol	184	9.915	9.915	(1.020)	115569	120.000	167 (A)
85 4-Nitrophenol	109	10.107	10.107	(1.040)	199738	120.000	136
86 Dibenzofuran	168	10.128	10.128	(1.042)	1145882	120.000	123
87 2,4-Dinitrotoluene	165	10.256	10.256	(1.055)	290055	120.000	129
91 2,3,5,6-Tetrachlorophenol	232	10.406	10.406	(1.070)	234083	120.000	133
88 2,3,4,6-Tetrachlorophenol	232	10.508	10.508	(1.081)	219802	120.000	127
93 Diethylphthalate	149	10.844	10.844	(1.115)	1015803	120.000	127
94 Fluorene	166	10.881	10.881	(1.119)	935494	120.000	125
95 4-Chlorophenyl-phenylether	204	10.914	10.914	(1.123)	462954	120.000	124
96 4-Nitroaniline	138	11.063	11.063	(1.138)	223010	120.000	129
98 4,6-Dinitro-2-methylphenol	198	11.149	11.149	(0.855)	170132	120.000	140
99 N-Nitrosodiphenylamine	169	11.213	11.213	(0.860)	682177	120.000	119
100 1,2-Diphenylhydrazine	77	11.271	11.271	(0.864)	897832	120.000	117
106 4-Bromophenyl-phenylether	248	12.025	12.025	(0.922)	274408	120.000	121
107 Hexachlorobenzene	284	12.329	12.329	(0.946)	285809	120.000	120
111 Pentachlorophenol	266	12.773	12.773	(0.980)	143283	120.000	155
115 Phenanthrene	178	13.098	13.098	(1.004)	1382785	120.000	121
116 Anthracene	178	13.205	13.205	(1.013)	1383940	120.000	121
119 Carbazole	167	13.649	13.649	(1.047)	1216376	120.000	122
120 Di-n-Butylphthalate	149	14.781	14.781	(1.134)	1624600	120.000	123
123 Fluoranthene	202	16.047	16.047	(1.231)	1482489	120.000	126
124 Benzidine	184	16.459	16.459	(0.836)	505636	120.000	116
125 Pyrene	202	16.587	16.587	(0.842)	1425577	120.000	106
131 Butylbenzylphthalate	149	18.531	18.531	(0.941)	699263	120.000	113
135 3,3'-Dichlorobenzidine	252	19.701	19.701	(1.000)	584079	120.000	125
136 Benzo(a)Anthracene	228	19.653	19.653	(0.998)	1503888	120.000	123
137 Chrysene	228	19.765	19.765	(1.004)	1239569	120.000	120

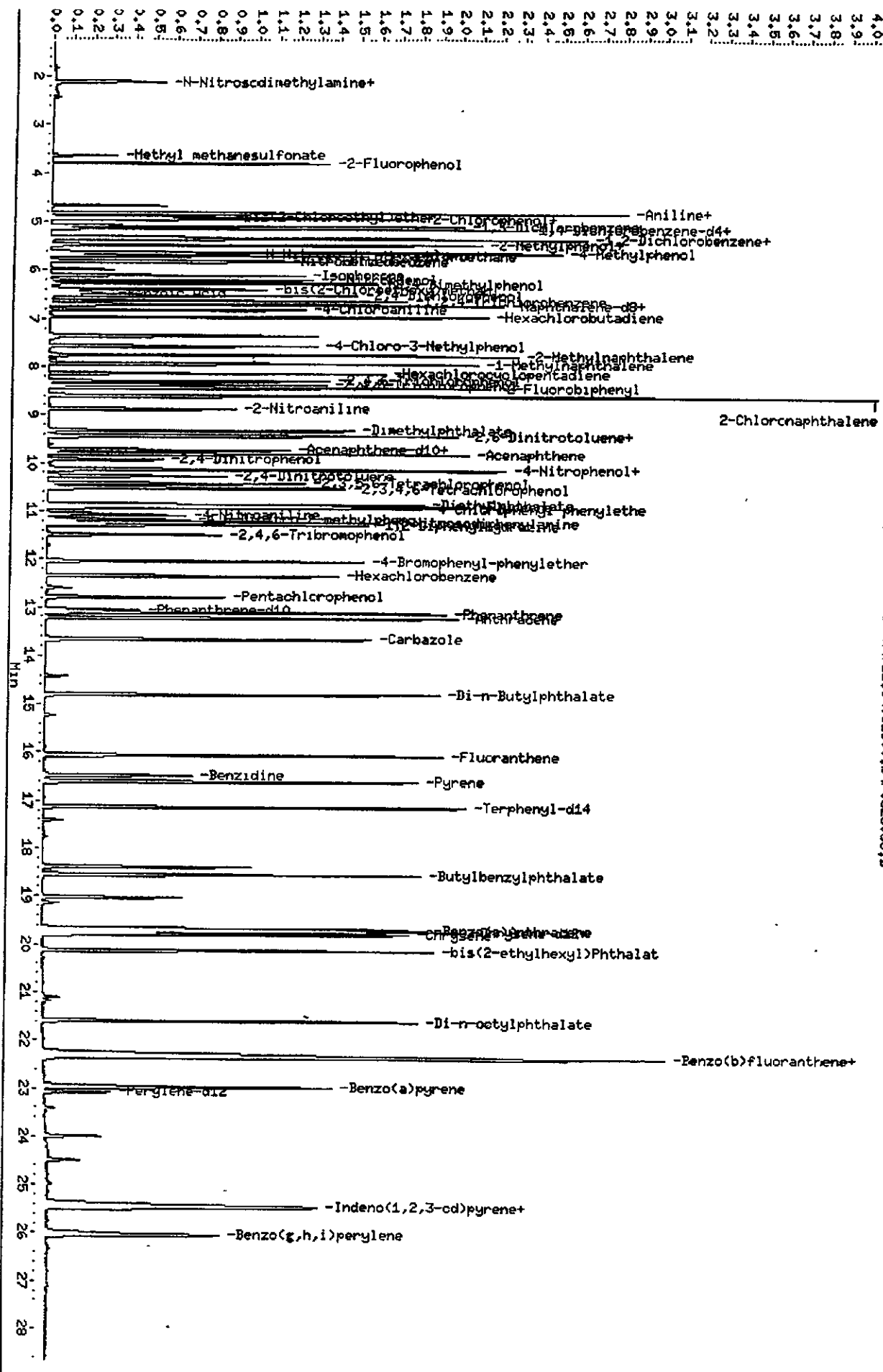
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (NG)	ON-COL (NG)
-----	----	--	-----	-----	-----	-----	-----	-----
139 bis(2-ethylhexyl)Phthalate	149		20.102	20.102	(1.021)	837638	120.000	117
140 Di-n-octylphthalate	149		21.582	21.582	(0.936)	1387420	120.000	113
141 Benzo(b)fluoranthene	252		22.255	22.255	(0.965)	1145348	120.000	121
142 Benzo(k)fluoranthene	252		22.319	22.319	(0.968)	1136619	120.000	115
143 7,12-dimethylbenz[a]anthracen	256		22.319	22.319	(0.968)	574530	120.000	128
146 Benzo(a)pyrene	252		22.955	22.955	(0.995)	1099878	120.000	127
149 Indeno(1,2,3-cd)pyrene	276		25.396	25.396	(1.101)	1220463	120.000	135
150 Dibenz(a,h)anthracene	278		25.444	25.444	(1.103)	1070022	120.000	133
151 Benzo(g,h,i)perylene	276		26.010	26.010	(1.128)	1013594	120.000	130
\$ 154 Nitrobenzene-d5	82		5.785	5.785	(0.868)	390918	120.000	121
\$ 155 2-Fluorobiphenyl	172		8.424	8.424	(0.866)	877307	120.000	120
\$ 156 Terphenyl-d14	244		17.116	17.116	(0.869)	1170410	120.000	107
\$ 157 Phenol-d5	99		4.807	4.807	(0.940)	407274	120.000	119
\$ 158 2-Fluorophenol	112		3.776	3.776	(0.739)	315029	120.000	120
\$ 159 2,4,6-Tribromophenol	330		11.474	11.474	(0.880)	126350	120.000	123
\$ 186 2-Chlorophenol-d4	132		4.914	4.914	(0.961)	343797	120.000	117
\$ 187 1,2-Dichlorobenzene-d4	152		5.326	5.326	(1.042)	274045	120.000	119

QC Flag Legend

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

Data File: \NPITR02\chem\722.1\082600.b\F082600C5.D
 Date: 26-AUG-2000 14:47
 Client ID: SST0160
 Sample Info: SST0160 (80ppb) 194-188-7
 Column phase: HP8-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Report Date: 25-Aug-2000 15:22

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F08250C5.D
 Lab Smp Id: sstd160 Client Smp ID: SSTD160
 Inj Date : 25-AUG-2000 14:47
 Operator : 007062 Inst ID: 722.i
 Smp Info : SSTD160 (80ppb) 194-188-7
 Misc Info : sstd160,082500.b,8270b.m,2-root.sub,1,5
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 15:22 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
 Als bottle: 29 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 2-root.sub
 Target Version: 4.04
 Processing Host: PITPC083

Handwritten:
 8/25/00

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
*****	----	--	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4	152	5.125	5.125	(1.000)	98536	40.0000	
* 2 Naphthalene-d8	136	6.680	6.680	(1.000)	356242	40.0000	
* 3 Acenaphthene-d10	164	9.735	9.735	(1.000)	225157	40.0000	
* 4 Phenanthrene-d10	188	13.058	13.058	(1.000)	440802	40.0000	
* 5 Chrysene-d12	240	19.715	19.715	(1.000)	431864	40.0000	
* 6 Perylene-d12	264	23.085	23.085	(1.000)	276584	40.0000	
10 N-Nitrosodimethylamine	74	2.118	2.118	(0.413)	114152	160.000	146
9 Pyridine	79	2.107	2.107	(0.411)	185603	160.000	144
16 Methyl methanesulfonate	80	3.629	3.629	(0.708)	159272	160.000	162 (A)
21 Aniline	93	4.821	4.821	(0.941)	534329	160.000	156
22 Phenol	94	4.831	4.831	(0.943)	555384	160.000	157
23 bis(2-Chloroethyl)ether	93	4.896	4.896	(0.955)	403189	160.000	157
24 2-Chlorophenol	128	4.944	4.944	(0.965)	482615	160.000	159
26 1,3-Dichlorobenzene	146	5.088	5.088	(0.993)	583680	160.000	161 (A)
27 1,4-Dichlorobenzene	146	5.141	5.141	(1.003)	592717	160.000	159
28 1,2-Dichlorobenzene	146	5.355	5.355	(1.045)	546837	160.000	161 (A)
29 Benzyl Alcohol	108	5.318	5.318	(1.038)	317985	160.000	158
30 2-Methylphenol	108	5.472	5.472	(1.068)	394239	160.000	157
31 2,2'-oxybis(1-Chloropropane)	45	5.483	5.483	(1.070)	364000	160.000	152
32 N-Nitroso-di-n-propylamine	70	5.659	5.659	(1.104)	285976	160.000	157
192 4-Methylphenol	108	5.633	5.633	(1.099)	421614	160.000	158
34 Hexachloroethane	117	5.697	5.697	(1.112)	226934	160.000	158
35 Nitrobenzene	77	5.820	5.820	(0.871)	505574	160.000	160
41 Isophorone	82	6.103	6.103	(0.914)	767095	160.000	157
42 2-Nitrophenol	139	6.204	6.204	(0.929)	267224	160.000	160 (A)
43 2,4-Dimethylphenol	107	6.268	6.268	(0.938)	495956	160.000	162 (A)

Report Date: 25-Aug-2000 15:22

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
44 bis(2-Chloroethoxy)methane	93	6.386	6.386	(0.956)	452505	160.000	157
48 2,4-Dichlorophenol	162	6.520	6.520	(0.976)	399877	160.000	160
49 Benzoic Acid	122	6.482	6.482	(0.970)	250384	160.000	182 (A)
50 1,2,4-Trichlorobenzene	180	6.626	6.626	(0.992)	471746	160.000	160
51 Naphthalene	128	6.712	6.712	(1.005)	1437145	160.000	159
52 4-Chloroaniline	127	6.819	6.819	(1.021)	532656	160.000	157
56 Hexachlorobutadiene	225	6.963	6.963	(1.042)	325695	160.000	166 (A)
59 4-Chloro-3-Methylphenol	107	7.567	7.567	(1.133)	436995	160.000	162 (A)
62 2-Methylnaphthalene	142	7.759	7.759	(1.162)	1023899	160.000	163 (A)
205 1-Methylnaphthalene	142	7.941	7.941	(1.189)	920878	160.000	160
64 Hexachlorocyclopentadiene	237	8.144	8.144	(0.836)	394127	160.000	164 (A)
66 2,4,6-Trichlorophenol	196	8.298	8.298	(0.852)	324797	160.000	160
67 2,4,5-Trichlorophenol	196	8.379	8.379	(0.861)	337438	160.000	157
70 2-Chloronaphthalene	162	8.614	8.614	(0.885)	1008070	160.000	158
73 2-Nitroaniline	65	8.881	8.881	(0.912)	276133	160.000	159
76 Dimethylphthalate	163	9.324	9.324	(0.958)	1168783	160.000	158
78 2,6-Dinitrotoluene	165	9.452	9.452	(0.971)	254245	160.000	160 (A)
79 Acenaphthylene	152	9.426	9.426	(0.968)	1516201	160.000	156
81 3-Nitroaniline	138	9.725	9.725	(0.999)	273263	160.000	162 (A)
82 Acenaphthene	153	9.810	9.810	(1.008)	974921	160.000	160
83 2,4-Dinitrophenol	184	9.933	9.933	(1.020)	151345	160.000	206 (A)
85 4-Nitrophenol	109	10.131	10.131	(1.041)	254424	160.000	171 (A)
86 Dibenzofuran	168	10.147	10.147	(1.042)	1447156	160.000	158
87 2,4-Dinitrotoluene	165	10.275	10.275	(1.055)	368301	160.000	164 (A)
91 2,3,5,6-Tetrachlorophenol	232	10.425	10.425	(1.071)	294766	160.000	167 (A)
88 2,3,4,6-Tetrachlorophenol	232	10.526	10.526	(1.081)	282850	160.000	164 (A)
93 Diethylphthalate	149	10.868	10.868	(1.116)	1274572	160.000	161 (A)
94 Fluorene	166	10.900	10.900	(1.120)	1186868	160.000	160 (A)
95 4-Chlorophenyl-phenylether	204	10.932	10.932	(1.123)	592912	160.000	160 (A)
96 4-Nitroaniline	138	11.087	11.087	(1.139)	283083	160.000	165 (A)
98 4,6-Dinitro-2-methylphenol	198	11.173	11.173	(0.856)	219256	160.000	184 (A)
99 N-Nitrosodiphenylamine	169	11.237	11.237	(0.861)	865611	160.000	160 (A)
100 1,2-Diphenylhydrazine	77	11.290	11.290	(0.865)	1134819	160.000	158
106 4-Bromophenyl-phenylether	248	12.043	12.043	(0.922)	346376	160.000	161 (A)
107 Hexachlorobenzene	284	12.353	12.353	(0.946)	364765	160.000	162 (A)
111 Pentachlorophenol	266	12.797	12.797	(0.980)	192234	160.000	205 (A)
115 Phenanthrene	178	13.117	13.117	(1.004)	1746361	160.000	162 (A)
116 Anthracene	178	13.229	13.229	(1.013)	1741360	160.000	161 (A)
119 Carbazole	167	13.667	13.667	(1.047)	1558611	160.000	165 (A)
120 Di-n-Butylphthalate	149	14.800	14.800	(1.133)	2061765	160.000	164 (A)
123 Fluoranthene	202	16.066	16.066	(1.230)	1893705	160.000	168 (A)
124 Benzidine	184	16.483	16.483	(0.836)	651516	160.000	152
125 Pyrene	202	16.611	16.611	(0.843)	1836006	160.000	141
131 Butylbenzylphthalate	149	18.550	18.550	(0.941)	918809	160.000	152
135 3,3'-Dichlorobenzidine	252	19.725	19.725	(1.001)	756916	160.000	162 (A)
136 Benzo (a) Anthracene	228	19.677	19.677	(0.998)	1931465	160.000	160
137 Chrysene	228	19.789	19.789	(1.004)	1631292	160.000	159

Report Date: 25-Aug-2000 15:22

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(NG)	(NG)
-----	----	--	-----	-----	-----	-----	-----
139 bis(2-ethylhexyl)Phthalate	149	20.126	20.126	(1.021)	1101829	160.000	156
140 Di-n-octylphthalate	149	21.606	21.606	(0.936)	1880093	160.000	159
141 Benzo(b)fluoranthene	252	22.289	22.289	(0.966)	1897248	160.000	196 (A)
142 Benzo(k)fluoranthene	252	22.354	22.354	(0.968)	1483334	160.000	156
143 7,12-dimethylbenz[a]anthracen	256	22.348	22.348	(0.968)	827524	160.000	184 (A)
146 Benzo(a)pyrene	252	22.979	22.979	(0.995)	1467766	160.000	172 (A)
149 Indeno(1,2,3-cd)pyrene	276	25.436	25.436	(1.102)	1720441	160.000	188 (A)
150 Dibenz(a,h)anthracene	278	25.479	25.479	(1.104)	1536098	160.000	189 (A)
151 Benzo(g,h,i)perylene	276	26.056	26.056	(1.129)	1416880	160.000	182 (A)
\$ 154 Nitrobenzene-d5	82	5.798	5.798	(0.868)	509112	160.000	161 (A)
\$ 155 2-Fluorobiphenyl	172	8.443	8.443	(0.867)	1117678	160.000	155
\$ 156 Terphenyl-d14	244	17.134	17.134	(0.869)	1516572	160.000	143
\$ 157 Phenol-d5	99	4.821	4.821	(0.941)	518883	160.000	158
\$ 158 2-Fluorophenol	112	3.790	3.790	(0.739)	404479	160.000	160
\$ 159 2,4,6-Tribromophenol	330	11.493	11.493	(0.880)	160031	160.000	164 (A)
\$ 186 2-Chlorophenol-d4	132	4.922	4.922	(0.960)	445945	160.000	158
\$ 187 1,2-Dichlorobenzene-d4	152	5.339	5.339	(1.042)	359229	160.000	162 (A)

QC Flag Legend

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

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: -

Instrument ID: 721

Calibration Date(s): 08/18/00

Min RRF for SPCC(#) = 0.050

Max %RSD for CCC(*) = 30.0%

LAB FILE ID:		RRF1 =D0818CC1.D	RRF2 =D0818CC2.D				
RRF3 =D0818CC3.D		RRF4 =D0818CC4.D	RRF5 =D0818CC5.D				
COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	RRF	% RSD
Diethylphthalate	1.357	1.568	1.414	1.472	1.391	1.440	5.7
4-Chlorophenyl-phenylether	0.592	0.677	0.618	0.639	0.611	0.627	5.2
Fluorene	1.221	1.400	1.269	1.302	1.198	1.278	6.2
4-Nitroaniline	0.329	0.385	0.338	0.348	0.344	0.349	6.2
4,6-Dinitro-2-methylphenol	0.137	0.179	0.166	0.172	0.180	0.167	10.5
N-Nitrosodiphenylamine (1) *	0.488	0.535	0.491	0.511	0.504	0.506	3.7*
4-Bromophenyl-phenylether	0.197	0.225	0.210	0.214	0.215	0.212	4.7
Hexachlorobenzene	0.248	0.288	0.268	0.273	0.287	0.273	6.0
Pentachlorophenol *	0.160	0.195	0.180	0.184	0.196	0.183	7.9*
Phenanthrene	0.929	1.080	0.961	0.976	0.995	0.988	5.7
Anthracene	0.947	1.081	0.961	0.964	0.978	0.986	5.5
Carbazole	0.835	0.953	0.844	0.832	0.874	0.868	5.8
Di-n-Butylphthalate	1.182	1.371	1.201	1.196	1.228	1.236	6.3
Fluoranthene *	0.928	1.086	0.948	0.944	0.993	0.980	6.5*
Pyrene	1.150	1.230	1.191	1.214	1.193	1.196	2.5
Butylbenzylphthalate	0.604	0.656	0.626	0.649	0.638	0.635	3.2
3,3'-Dichlorobenzidine	0.411	0.457	0.446	0.448	0.446	0.442	4.0
Benzo (a) Anthracene	1.012	1.087	1.063	1.097	1.086	1.069	3.2
Chrysene	0.897	0.957	0.921	0.958	0.971	0.941	3.3
bis(2-ethylhexyl) Phthalate	0.796	0.855	0.843	0.900	0.884	0.856	4.7
Di-n-octylphthalate *	1.774	1.978	1.855	1.922	2.042	1.914	5.4*
Benzo (b) fluoranthene	1.223	1.301	1.329	1.591	1.718	1.432	14.7
Benzo (k) fluoranthene	1.199	1.400	1.217	1.042	1.015	1.175	13.2
Benzo (a) pyrene *	1.075	1.191	1.118	1.160	1.159	1.141	3.9*
Indeno (1,2,3-cd) pyrene	0.983	1.179	1.255	1.335	1.306	1.212	11.6
Dibenz (a,h) anthracene	0.966	1.152	1.222	1.332	1.254	1.185	11.7
Benzo (g,h,i) perylene	0.915	1.069	1.140	1.234	1.141	1.100	10.8
Pyridine	1.042	0.979	0.940	0.963	0.933	0.971	4.5
N-Nitrosodimethylamine	0.659	0.644	0.619	0.640	0.623	0.637	2.5
Aniline	1.592	1.678	1.551	1.551	1.514	1.577	4.0
Benzyl Alcohol	0.884	0.969	0.873	0.916	0.904	0.909	4.1
Benzoic Acid	0.196	0.257	0.217	0.260	0.266	0.239	12.8
1-Methylnaphthalene	0.592	0.648	0.582	0.600	0.596	0.604	4.2
2,3,4,6-Tetrachlorophenol	0.336	0.395	0.366	0.376	0.367	0.368	5.7
2,3,5,6-Tetrachlorophenol	0.354	0.417	0.376	0.395	0.389	0.386	6.1

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No. : -

Instrument ID: 721

Calibration Date(s): 08/18/00

Min $\overline{\text{RRF}}$ for SPCC(♯) = 0.050

Max %RSD for CCC(*) = 30.0%

[illegible]

INITIAL CALIBRATION REPORT

Instrument ID: 721.i
Lab File ID: D0818CC2.D
Analysis Type: NONE

Injection Date: 18-AUG-2000 14:04
Lab Sample ID: sstd50
Method File: \\Qpitpa02\D\chem\721.i\d081800.b

COMPOUND	%RSD
=====	=====
Benzo(b)fluoranthene	14.7
Benzo(k)fluoranthene	13.2
7,12-dimethylbenz[a]anthracen	7.9
Benzo(a)pyrene	3.9
Indeno(1,2,3-cd)pyrene	11.6
Dibenz(a,h)anthracene	11.7
Benzo(g,h,i)perylene	10.8

The average of all %RSD's in the initial calibration is 5.4

Report Date: 08/19/2000

INITIAL CALIBRATION REPORT

Instrument ID: 721.i
 Lab File ID: D0818CC2.D
 Analysis Type: NONE

Injection Date: 18-AUG-2000 14:04
 Lab Sample ID: sstd50
 Method File: \\Qpitpa02\D\chem\721.i\d081800.b\8270c.

COMPOUND	%RSD
Pyridine	4.5
N-Nitrosodimethylamine	2.5
Methyl methanesulfonate	2.8
2-Fluorophenol	3.7
Phenol-d5	5.5
Phenol	5.9
Aniline	4.0
bis(2-Chloroethyl)ether	4.2
2-Chlorophenol-d4	3.0
2-Chlorophenol	2.8
1,3-Dichlorobenzene	2.8
1,4-Dichlorobenzene	4.0
Benzyl Alcohol	4.1
1,2-Dichlorobenzene-d4	3.5
1,2-Dichlorobenzene	4.0
2-Methylphenol	4.1
2,2'-oxybis(1-Chloropropane)	4.7
4-Methylphenol	4.9
N-Nitroso-di-n-propylamine	4.8
Hexachloroethane	2.3
Nitrobenzene-d5	2.4
Nitrobenzene	3.9
Isophorone	4.0
2-Nitrophenol	3.2
2,4-Dimethylphenol	4.3
bis(2-Chloroethoxy)methane	3.6
Benzoic Acid	12.8
2,4-Dichlorophenol	3.8
1,2,4-Trichlorobenzene	3.1
Naphthalene	2.9
4-Chloroaniline	3.6
Hexachlorobutadiene	3.1
4-Chloro-3-Methylphenol	5.1
2-Methylnaphthalene	4.5
1-Methylnaphthalene	4.2
Hexachlorocyclopentadiene	4.3
2,4,6-Trichlorophenol	4.4
2,4,5-Trichlorophenol	4.3
2-Fluorobiphenyl	3.6

INITIAL CALIBRATION REPORT

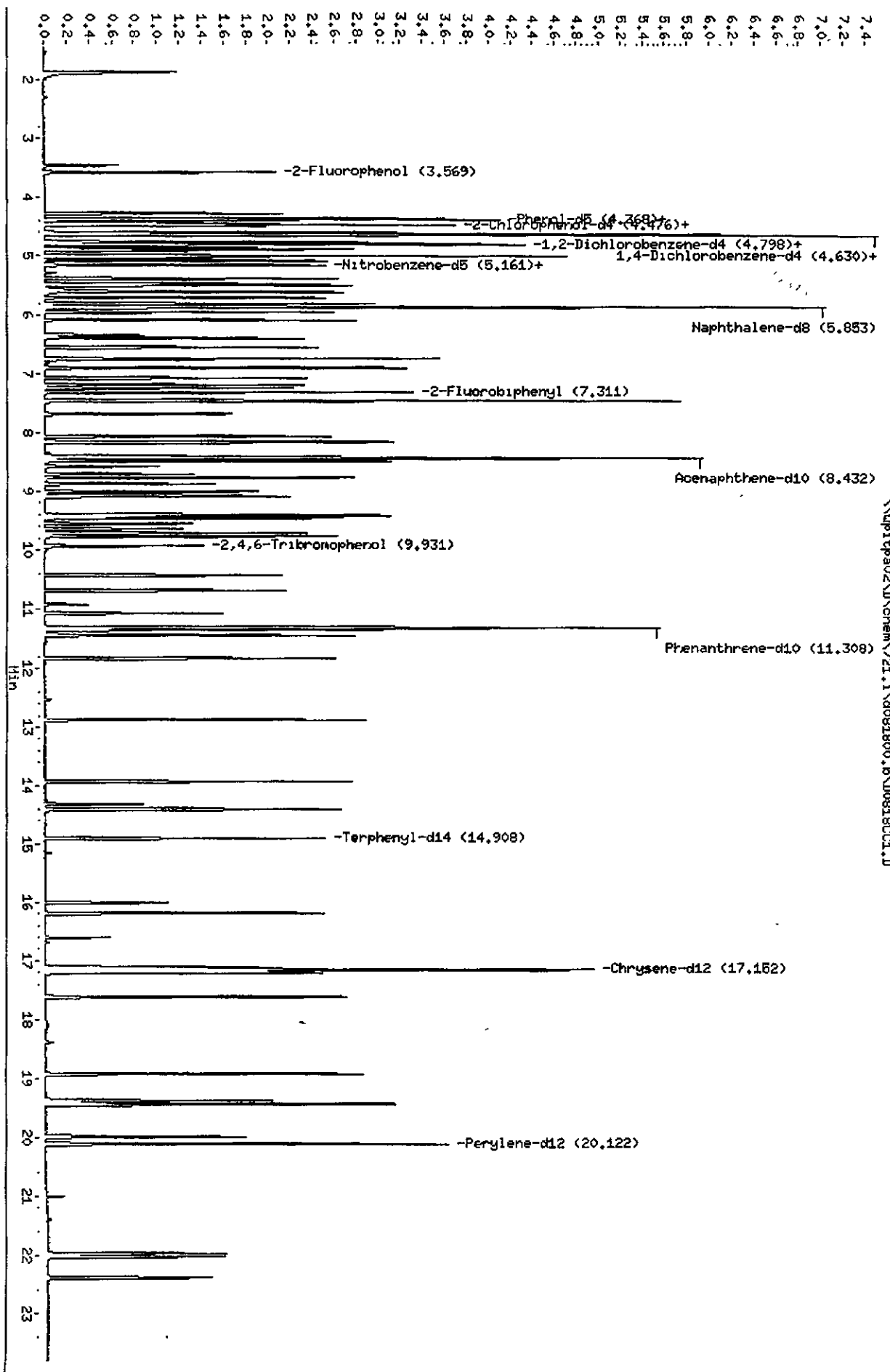
Instrument ID: 721.i
 Lab File ID: D0818CC2.D
 Analysis Type: NONE

Injection Date: 18-AUG-2000 14:04
 Lab Sample ID: sstd50
 Method File: \\Qpitpa02\D\chem\721.i\d081800.b

COMPOUND	%RSD
2-Chloronaphthalene	3.8
2-Nitroaniline	5.3
Dimethylphthalate	5.1
Acenaphthylene	4.4
2,6-Dinitrotoluene	5.9
3-Nitroaniline	5.8
Acenaphthene	4.7
2,4-Dinitrophenol	11.2
4-Nitrophenol	8.5
Dibenzofuran	4.3
2,4-Dinitrotoluene	5.8
2,3,5,6-Tetrachlorophenol	6.1
2-Naphthylamine	18.1
2,3,4,6-Tetrachlorophenol	5.7
Diethylphthalate	5.7
Fluorene	6.2
4-Chlorophenyl-phenylether	5.2
4-Nitroaniline	6.2
4,6-Dinitro-2-methylphenol	10.5
N-Nitrosodiphenylamine (1)	3.7
1,2-Diphenylhydrazine	5.7
2,4,6-Tribromophenol	6.9
4-Bromophenyl-phenylether	4.7
Hexachlorobenzene	6.0
Pentachlorophenol	7.9
Phenanthrene	5.7
Anthracene	5.5
Carbazole	5.8
Di-n-Butylphthalate	6.3
Fluoranthene	6.5
Benzidine	7.4
Pyrene	2.5
Terphenyl-d14	3.0
Butylbenzylphthalate	3.2
Benzo(a)Anthracene	3.2
3,3'-Dichlorobenzidine	4.0
Chrysene	3.3
bis(2-ethylhexyl)Phthalate	4.7
Di-n-octylphthalate	5.4

Data File: \\apitpao2\chem\721.1\0081800.b\00818001.D
Date: 18-AUG-2000 13:34
Client ID: SST0020
Sample Info: sstd020 (10UG/ML) 194-188-3 8270/c/p/625
Column phase: Hp5-MS

Instrument: 721.1
Operator: 001562, DLF
Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d081800.b\D0818CC1.D
 Lab Smp Id: sstd20 Client Smp ID: SSTD020
 Inj Date : 18-AUG-2000 13:34
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : sstd020 (10UG/ML) 194-188-3 8270/clp/625
 Misc Info : sstd20,d081800.b,8270c.m,3-root.sub,1,1
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d081800.b\8270c.m
 Meth Date : 19-Aug-2000 11:40 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 13:34 Cal File: D0818CC1.D
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC013

Compound Sublist: 3-root.sub

ML
8-14-00

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.630	4.630	(1.000)	114739	40.0000	
* 2 Naphthalene-d8	136	5.852	5.852	(1.000)	397408	40.0000	
* 3 Acenaphthene-d10	164	8.432	8.432	(1.000)	216151	40.0000	
* 4 Phenanthrene-d10	188	11.307	11.307	(1.000)	396650	40.0000	
* 5 Chrysene-d12	240	17.152	17.152	(1.000)	316908	40.0000	
* 6 Perylene-d12	264	20.121	20.121	(1.000)	244028	40.0000	
10 N-Nitrosodimethylamine	74	1.869	1.869	(0.404)	37789	20.0000	20.686
9 Pyridine	79	1.855	1.855	(0.401)	59779	20.0000	21.447 (M)
16 Methyl methanesulfonate	80	3.454	3.454	(0.746)	27321	20.0000	19.730
21 Aniline	93	4.395	4.395	(0.949)	91366	20.0000	20.193 (Q)
22 Phenol	94	4.374	4.374	(0.945)	96213	20.0000	20.202 (Q)
23 bis(2-Chloroethyl)ether	93	4.442	4.442	(0.959)	71935	20.0000	20.207
24 2-Chlorophenol	128	4.482	4.482	(0.968)	77974	20.0000	19.774
26 1,3-Dichlorobenzene	146	4.596	4.596	(0.993)	82393	20.0000	19.678
27 1,4-Dichlorobenzene	146	4.643	4.643	(1.003)	85077	20.0000	19.939
28 1,2-Dichlorobenzene	146	4.804	4.804	(1.038)	77347	20.0000	19.656
29 Benzyl Alcohol	108	4.764	4.764	(1.029)	50728	20.0000	19.449
30 2-Methylphenol	108	4.865	4.865	(1.051)	63787	20.0000	19.414
31 2,2'-oxybis(1-Chloropropane)	45	4.898	4.898	(1.058)	92689	20.0000	20.334
32 N-Nitroso-di-n-propylamine	70	5.026	5.026	(1.086)	47431	20.0000	20.028
192 4-Methylphenol	108	4.992	4.992	(1.078)	68378	20.0000	19.647
34 Hexachloroethane	117	5.080	5.080	(1.097)	37089	20.0000	19.796
35 Nitrobenzene	77	5.160	5.160	(0.882)	74023	20.0000	19.263
41 Isophorone	82	5.375	5.375	(0.919)	125698	20.0000	19.395
42 2-Nitrophenol	139	5.469	5.469	(0.935)	41741	20.0000	19.294
43 2,4-Dimethylphenol	107	5.490	5.490	(0.938)	70035	20.0000	19.005

Report Date: 19-Aug-2000 11:41

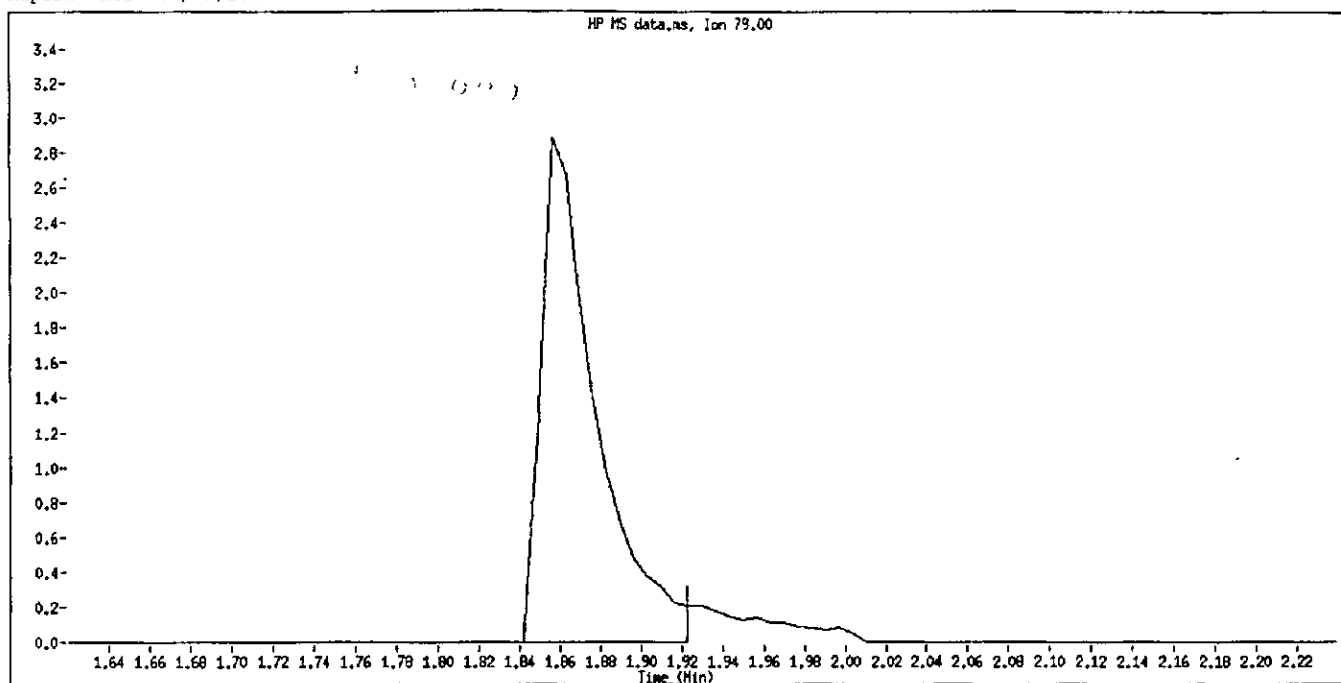
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====	==	=====	=====	=====	=====	=====
44 bis(2-Chloroethoxy)methane	93	5.604	5.604	(0.958)	77977	20.0000	19.515
48 2,4-Dichlorophenol	162	5.705	5.705	(0.975)	59081	20.0000	19.052
49 Benzoic Acid	122	5.597	5.597	(0.956)	39063	20.0000	16.428 (MH)
50 1,2,4-Trichlorobenzene	180	5.805	5.805	(0.992)	66236	20.0000	19.113
51 Naphthalene	128	5.879	5.879	(1.005)	196704	20.0000	19.266
52 4-Chloroaniline	127	5.953	5.953	(1.017)	82364	20.0000	19.576
56 Hexachlorobutadiene	225	6.087	6.087	(1.040)	40582	20.0000	18.973 (Q)
59 4-Chloro-3-Methylphenol	107	6.544	6.544	(1.118)	58614	20.0000	19.237
62 2-Methylnaphthalene	142	6.739	6.739	(1.152)	123351	20.0000	18.981
63 1-Methylnaphthalene	142	6.894	6.894	(1.178)	117695	20.0000	19.624
64 Hexachlorocyclopentadiene	237	7.068	7.068	(0.838)	48419	20.0000	18.734
66 2,4,6-Trichlorophenol	196	7.182	7.182	(0.852)	42341	20.0000	18.818
67 2,4,5-Trichlorophenol	196	7.236	7.236	(0.858)	45126	20.0000	19.264
70 2-Chloronaphthalene	162	7.458	7.458	(0.884)	120075	20.0000	19.358
73 2-Nitroaniline	65	7.673	7.673	(0.910)	39463	20.0000	19.027
76 Dimethylphthalate	163	8.062	8.062	(0.956)	144401	20.0000	19.308
78 2,6-Dinitrotoluene	165	8.170	8.170	(0.969)	34230	20.0000	18.950
79 Acenaphthylene	152	8.150	8.150	(0.967)	178865	20.0000	19.322
81 3-Nitroaniline	138	8.398	8.398	(0.996)	37189	20.0000	19.089
82 Acenaphthene	153	8.486	8.486	(1.006)	108801	20.0000	19.112
83 2,4-Dinitrophenol	184	8.573	8.573	(1.017)	21830	20.0000	16.119
85 4-Nitrophenol	109	8.707	8.707	(1.033)	25172	20.0000	17.418
86 Dibenzofuran	168	8.768	8.768	(1.040)	167934	20.0000	19.165
87 2,4-Dinitrotoluene	165	8.875	8.875	(1.053)	45277	20.0000	18.596
91 2,3,5,6-Tetrachlorophenol	232	9.003	9.003	(1.068)	38219	20.0000	18.314
88 2,3,4,6-Tetrachlorophenol	232	9.090	9.090	(1.078)	36351	20.0000	18.273
92 2-Naphthylamine	143	9.070	9.070	(1.076)	87834	20.0000	22.317
93 Diethylphthalate	149	9.399	9.399	(1.115)	146664	20.0000	18.842
94 Fluorene	166	9.426	9.426	(1.118)	131938	20.0000	19.106
95 4-Chlorophenyl-phenylether	204	9.460	9.460	(1.122)	63963	20.0000	18.861
96 4-Nitroaniline	138	9.554	9.554	(1.133)	35585	20.0000	18.873
98 4,6-Dinitro-2-methylphenol	198	9.641	9.641	(0.853)	27238	20.0000	16.461
99 N-Nitrosodiphenylamine (1)	169	9.715	9.715	(0.859)	96852	20.0000	19.305
100 1,2-Diphenylhydrazine	77	9.769	9.769	(0.864)	145642	20.0000	18.760
106 4-Bromophenyl-phenylether	248	10.434	10.434	(0.923)	39135	20.0000	18.594
107 Hexachlorobenzene	284	10.689	10.689	(0.945)	49156	20.0000	18.170
111 Pentachlorophenol	266	11.072	11.072	(0.979)	31712	20.0000	17.487 (Q)
115 Phenanthrene	178	11.354	11.354	(1.004)	184224	20.0000	18.801
116 Anthracene	178	11.448	11.448	(1.012)	187760	20.0000	19.203
119 Carbazole	167	11.831	11.831	(1.046)	165669	20.0000	19.246 (Q)
120 Di-n-Butylphthalate	149	12.872	12.872	(1.138)	234438	20.0000	19.130
123 Fluoranthene	202	13.934	13.934	(1.232)	184023	20.0000	18.939
124 Benzidine	184	14.324	14.324	(0.835)	60496	20.0000	20.195
125 Pyrene	202	14.404	14.404	(0.840)	182272	20.0000	19.241
131 Butylbenzylphthalate	149	16.184	16.184	(0.944)	95758	20.0000	19.043
135 3,3'-Dichlorobenzidine	252	17.179	17.179	(1.002)	65111	20.0000	18.606
136 Benzo(a)Anthracene	228	17.111	17.111	(0.998)	160414	20.0000	18.940

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
137 Chrysene	228	17.205	17.205	(1.003)	142210	20.0000	19.074
139 bis(2-ethylhexyl)Phthalate	149	17.615	17.615	(1.027)	126201	20.0000	18.618
140 Di-n-octylphthalate	149	18.925	18.925	(0.941)	216520	20.0000	18.538
141 Benzo(b)fluoranthene	252	19.389	19.389	(0.964)	149276	20.0000	17.080(H)
142 Benzo(k)fluoranthene	252	19.443	19.443	(0.966)	146266	20.0000	20.413
143 7,12-dimethylbenz[a]anthracen	256	19.456	19.456	(0.967)	65776	20.0000	17.503
146 Benzo(a)pyrene	252	20.000	20.000	(0.994)	131198	20.0000	18.854
149 Indeno(1,2,3-cd)pyrene	276	21.982	21.982	(1.092)	119958	20.0000	16.228(H)
150 Dibenzo(a,h)anthracene	278	22.036	22.036	(1.095)	117860	20.0000	16.302
151 Benzo(g,h,i)perylene	276	22.392	22.392	(1.113)	111623	20.0000	16.635
\$ 154 Nitrobenzene-d5	82	5.140	5.140	(0.878)	76562	20.0000	19.547
\$ 155 2-Fluorobiphenyl	172	7.310	7.310	(0.867)	137689	20.0000	19.550
\$ 156 Terphenyl-d14	244	14.908	14.908	(0.869)	146850	20.0000	19.274
\$ 157 Phenol-d5	99	4.361	4.361	(0.942)	93676	20.0000	20.284
\$ 158 2-Fluorophenol	112	3.568	3.568	(0.771)	76626	20.0000	19.731
\$ 159 2,4,6-Tribromophenol	330	9.930	9.930	(0.878)	28016	20.0000	17.752
\$ 186 2-Chlorophenol-d4	132	4.468	4.468	(0.965)	70761	20.0000	19.530
\$ 187 1,2-Dichlorobenzene-d4	152	4.791	4.791	(1.035)	51585	20.0000	19.978

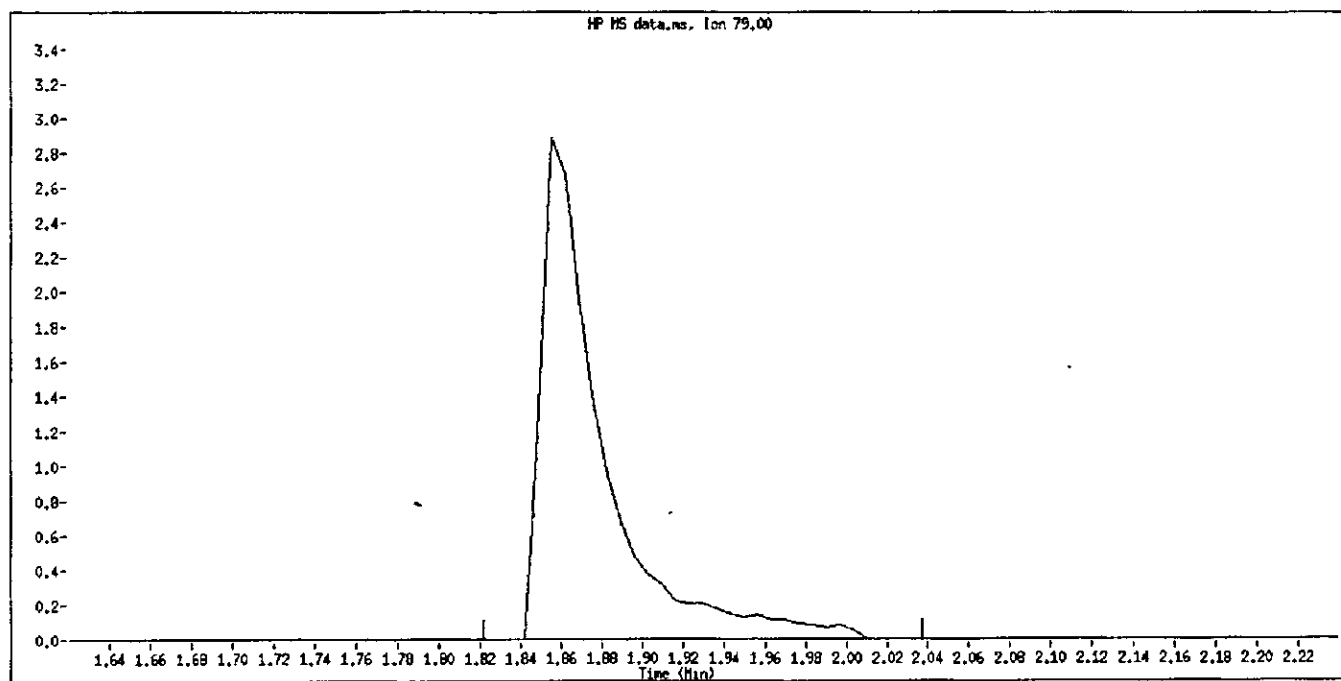
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Instrument ID 721 1
Client ID: SSTD020
Compound Name: Pyridine
CAS #: 110-86-1
Report Date 08/19/2000



Original Integration

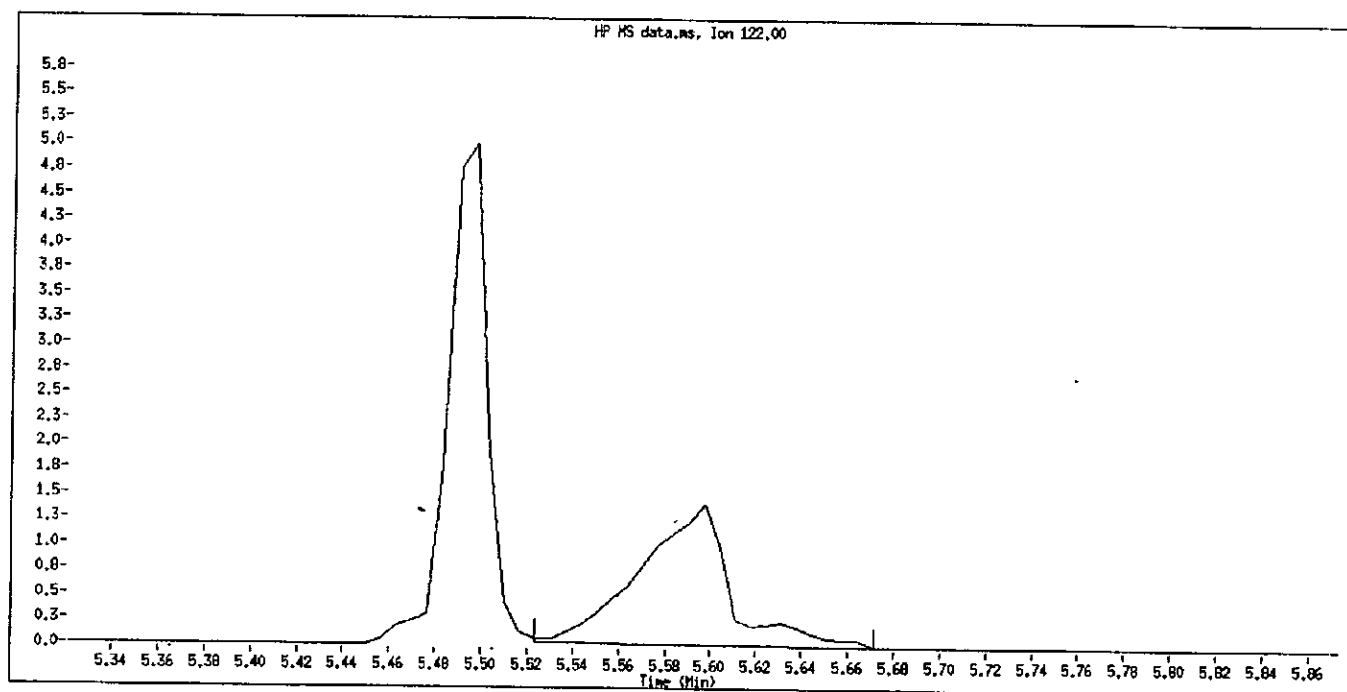
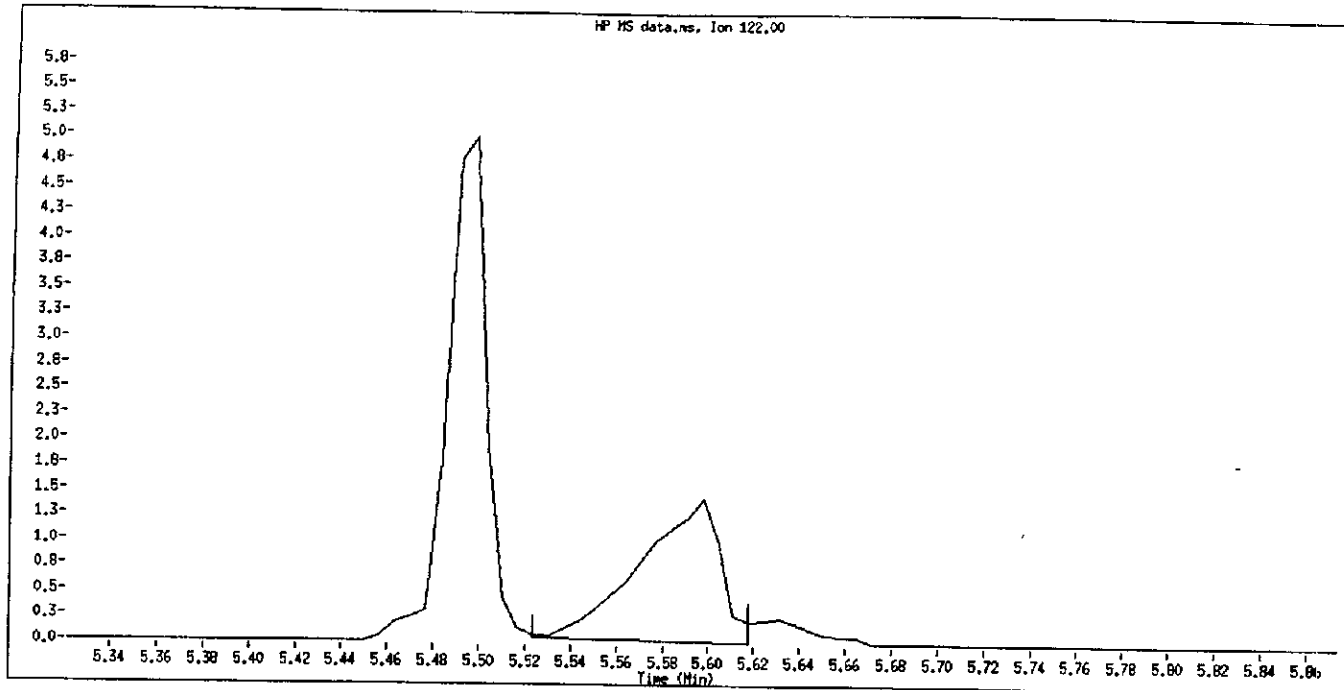


Manual Integration

Manually Integrated By FergusonD
Manual Integration Reason: Poor Chromatography

668-274

Instrument ID 721 i
Client ID SST0020
Compound Name Benzoic Acid
CAS # 65-85-0
Report Date 08/19/2000

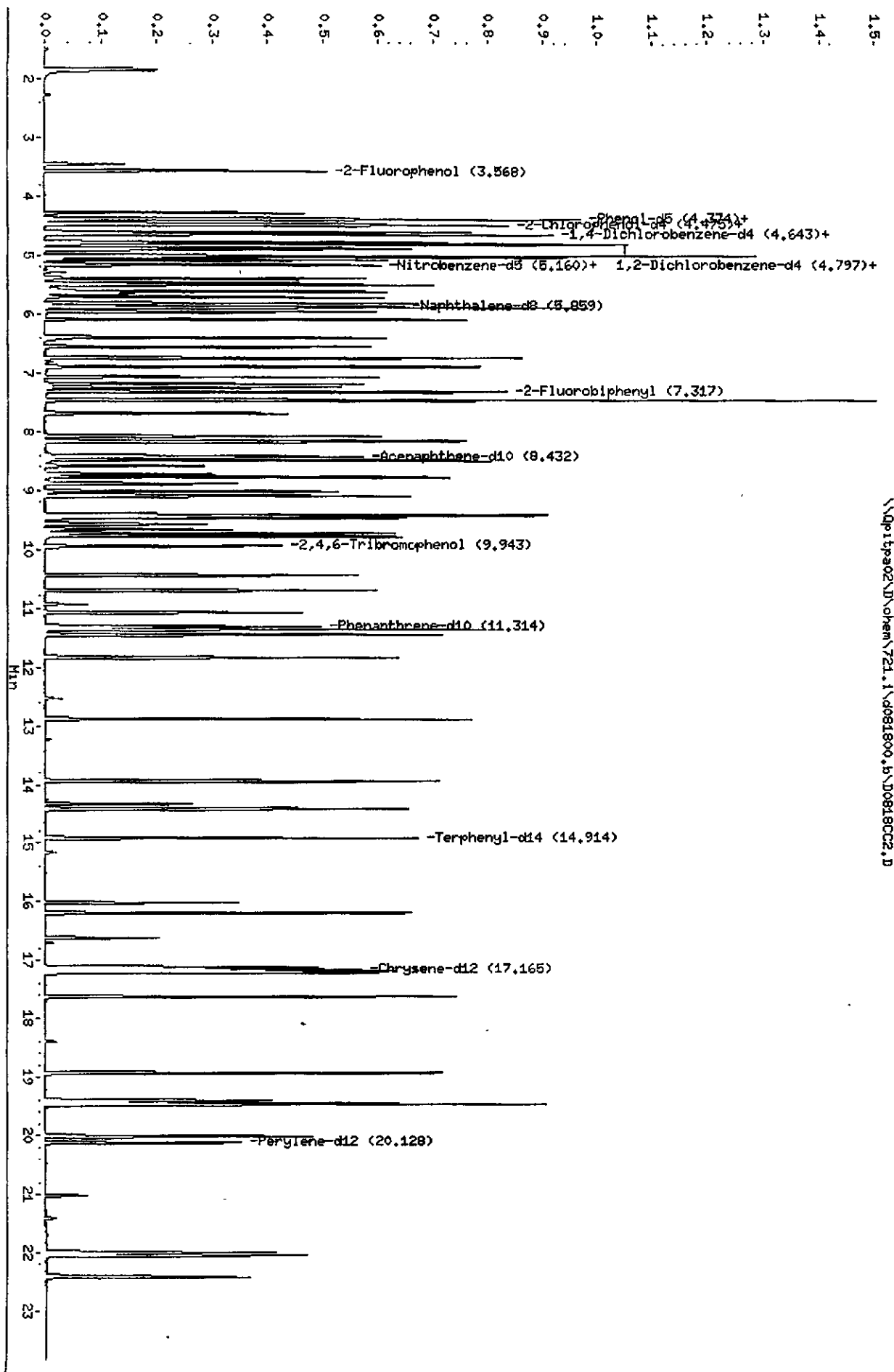


Manually Integrated By: FergusonD

Manual Integration Reason: Poor Chromatography

Data File: \\np1tpa02\\chem\\721.1\\d081800.b\\D0818002.D
 Date : 18-AUG-2000 14:04
 Client ID: SST0050
 Sample Info: sstd050 (25UG/ML) 194-183-7 8270/olp/625
 Column Phase: Hp5-MS

Instrument: 721.i
 Operator: 001562, JLF
 Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d081800.b\D0818CC2.D
 Lab Smp Id: sstd50 Client Smp ID: SSTD050
 Inj Date : 18-AUG-2000 14:04
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : sstd050 (25UG/ML) 194-183-7 8270/clp/625
 Misc Info : sstd50,d081800.b,8270c.m,3-root.sub,1,2
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d081800.b\8270c.m
 Meth Date : 19-Aug-2000 11:42 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 13:34 Cal File: D0818CC1.D
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC013

Compound Sublist: 3-root.sub

OK
 8-19-00

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.629	4.629 (1.000)		103604	40.0000	
* 2 Naphthalene-d8	136	5.858	5.858 (1.000)		361173	40.0000	
* 3 Acenaphthene-d10	164	8.431	8.431 (1.000)		202171	40.0000	
* 4 Phenanthrene-d10	188	11.313	11.313 (1.000)		374557	40.0000	
* 5 Chrysene-d12	240	17.164	17.164 (1.000)		325262	40.0000	
* 6 Perylene-d12	264	20.127	20.127 (1.000)		244162	40.0000	
10 N-Nitrosodimethylamine	74	1.848	1.848 (0.399)		83352	50.0000	50.530
9 Pyridine	79	1.828	1.828 (0.395)		126832	50.0000	50.395 (M)
16 Methyl methanesulfonate	80	3.447	3.447 (0.745)		65438	50.0000	52.335
21 Aniline	93	4.394	4.394 (0.949)		217348	50.0000	53.198
22 Phenol	94	4.380	4.380 (0.946)		236088	50.0000	54.899
23 bis(2-Chloroethyl)ether	93	4.448	4.448 (0.961)		171751	50.0000	53.431
24 2-Chlorophenol	128	4.481	4.481 (0.968)		185677	50.0000	52.147
26 1,3-Dichlorobenzene	146	4.595	4.595 (0.993)		197648	50.0000	52.278
27 1,4-Dichlorobenzene	146	4.642	4.642 (1.003)		205753	50.0000	53.404
28 1,2-Dichlorobenzene	146	4.804	4.804 (1.038)		189926	50.0000	53.453
29 Benzyl Alcohol	108	4.763	4.763 (1.029)		125488	50.0000	53.283
30 2-Methylphenol	108	4.871	4.871 (1.052)		158531	50.0000	53.436
31 2,2'-oxybis(1-Chloropropane)	45	4.898	4.898 (1.058)		220491	50.0000	53.569
32 N-Nitroso-di-n-propylamine	70	5.032	5.032 (1.087)		115057	50.0000	53.805
192 4-Methylphenol	108	4.998	4.998 (1.080)		170381	50.0000	54.218
34 Hexachloroethane	117	5.079	5.079 (1.097)		87839	50.0000	51.922
35 Nitrobenzene	77	5.166	5.166 (0.882)		186011	50.0000	53.262
41 Isophorone	82	5.388	5.388 (0.920)		313068	50.0000	53.151
42 2-Nitrophenol	139	5.469	5.469 (0.933)		103401	50.0000	52.592
43 2,4-Dimethylphenol	107	5.502	5.502 (0.939)		177962	50.0000	53.137

Report Date: 19-Aug-2000 11:43

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====	==	=====	=====	=====	=====	=====
44 bis(2-Chloroethoxy)methane	93	5.610	5 610	(0.958)	192730	50.0000	53.074
48 2,4-Dichlorophenol	162	5.711	5.711	(0.975)	148542	50.0000	52.706
49 Benzoic Acid	122	5.650	5.650	(0.964)	116146	50.0000	53.746
50 1,2,4-Trichlorobenzene	180	5.811	5.811	(0.992)	162707	50.0000	51.662
51 Naphthalene	128	5.878	5.878	(1.003)	483269	50.0000	52.082
52 4-Chloroaniline	127	5.959	5.959	(1.017)	203143	50.0000	53.126
56 Hexachlorobutadiene	225	6.087	6.087	(1.039)	99871	50.0000	51.376
59 4-Chloro-3-Methylphenol	107	6.557	6.557	(1.119)	150673	50.0000	54.413
62 2-Methylnaphthalene	142	6.745	6.745	(1.151)	315459	50.0000	53.413
63 1-Methylnaphthalene	142	6.900	6.900	(1.178)	292448	50.0000	53.655
64 Hexachlorocyclopentadiene	237	7.068	7.068	(0.838)	123328	50.0000	51.018
66 2,4,6-Trichlorophenol	196	7.188	7.188	(0.853)	109812	50.0000	52.181
67 2,4,5-Trichlorophenol	196	7.249	7.249	(0.860)	117158	50.0000	53.472
70 2-Chloronaphthalene	162	7.464	7.464	(0.885)	306623	50.0000	52.852
73 2-Nitroaniline	65	7.686	7.686	(0.912)	104932	50.0000	54.092
76 Dimethylphthalate	163	8.075	8.075	(0.958)	377115	50.0000	53.913
78 2,6-Dinitrotoluene	165	8.183	8.183	(0.971)	92630	50.0000	54.828
79 Acenaphthylene	152	8.156	8.156	(0.967)	464433	50.0000	53.641
81 3-Nitroaniline	138	8.411	8.411	(0.998)	100181	50.0000	54.979
82 Acenaphthene	153	8.492	8.492	(1.007)	287124	50.0000	53.925
83 2,4-Dinitrophenol	184	8.592	8.592	(1.019)	67903	50.0000	53.606
85 4-Nitrophenol	109	8.734	8.734	(1.036)	72786	50.0000	53.848
86 Dibenzofuran	168	8.781	8.781	(1.041)	437098	50.0000	53.333
87 2,4-Dinitrotoluene	165	8.895	8.895	(1.055)	123364	50.0000	54.171
91 2,3,5,6-Tetrachlorophenol	232	9.016	9.016	(1.069)	105340	50.0000	53.966
88 2,3,4,6-Tetrachlorophenol	232	9.103	9.103	(1.080)	99785	50.0000	53.629
92 2-Naphthylamine	143	9.083	9.083	(1.077)	231323	50.0000	62.839
93 Diethylphthalate	149	9.412	9.412	(1.116)	396252	50.0000	54.426
94 Fluorene	166	9.432	9.432	(1.119)	353818	50.0000	54.780
95 4-Chlorophenyl-phenylether	204	9.473	9.473	(1.123)	171209	50.0000	53.977
96 4-Nitroaniline	138	9.580	9.580	(1.136)	97331	50.0000	55.189
98 4,6-Dinitro-2-methylphenol	198	9.667	9.667	(0.855)	83982	50.0000	53.747
99 N-Nitrosodiphenylamine (1)	169	9.728	9.728	(0.860)	250423	50.0000	52.859
100 1,2-Diphenylhydrazine	77	9.782	9.782	(0.865)	380682	50.0000	51.926
106 4-Bromophenyl-phenylether	248	10.440	10.440	(0.923)	105234	50.0000	52.948
107 Hexachlorobenzene	284	10.695	10.695	(0.945)	134954	50.0000	52.828
111 Pentachlorophenol	266	11.078	11.078	(0.979)	91121	50.0000	53.210
115 Phenanthrene	178	11.367	11.367	(1.005)	505576	50.0000	54.640
116 Anthracene	178	11.461	11.461	(1.013)	506237	50.0000	54.830
119 Carbazole	167	11.844	11.844	(1.047)	446417	50.0000	54.922
120 Di-n-Butylphthalate	149	12.885	12.885	(1.139)	641863	50.0000	55.466
123 Fluoranthene	202	13.947	13.947	(1.233)	508376	50.0000	55.406
124 Benzidine	184	14.330	14.330	(0.835)	170486	50.0000	55.452
125 Pyrene	202	14.417	14.417	(0.840)	499985	50.0000	51.423
131 Butylbenzylphthalate	149	16.197	16.197	(0.944)	266695	50.0000	51.674
135 3,3'-Dichlorobenzidine	252	17.191	17.191	(1.002)	186008	50.0000	51.788
136 Benzo(a)Anthracene	228	17.124	17.124	(0.998)	441816	50.0000	50.824

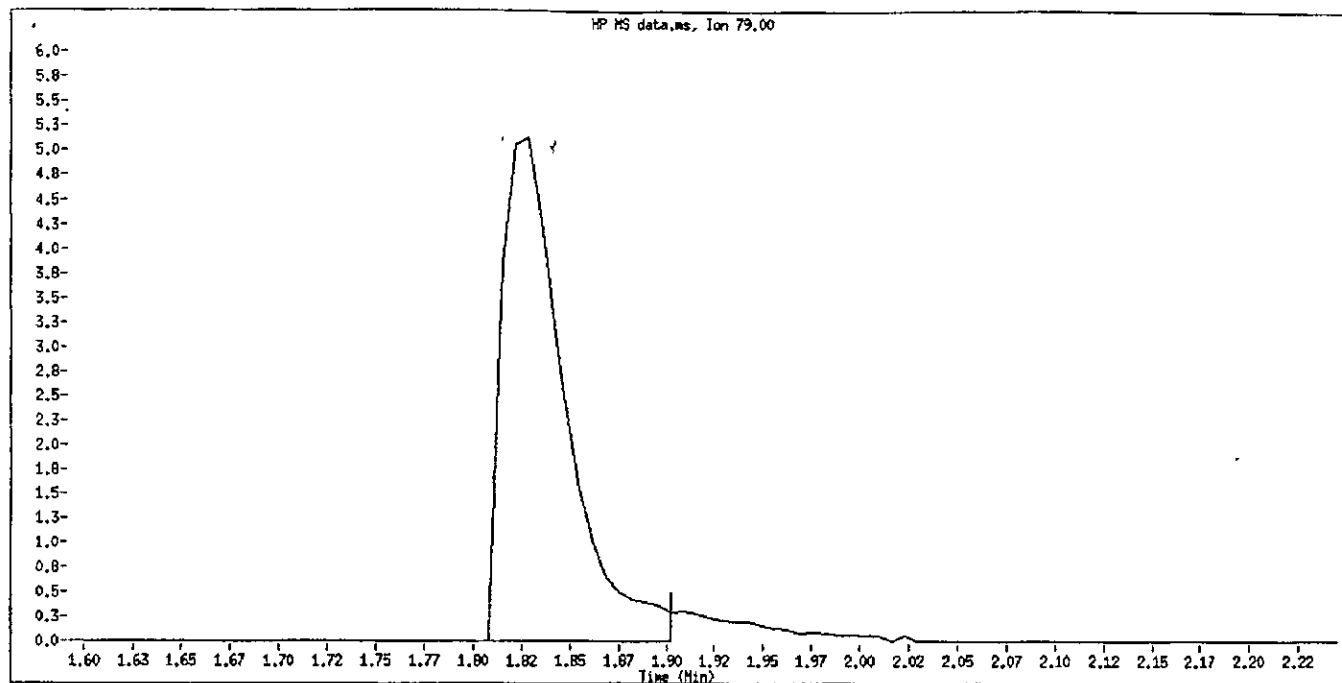
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====	==	=====	=====	=====	=====	=====
137 Chrysene	228	17.225	17.225	(1.004)	389180	50.0000	50.859
139 bis(2-ethylhexyl)Phthalate	149	17.621	17.621	(1.027)	347509	50.0000	49.950
140 Di-n-octylphthalate	149	18.931	18.931	(0.941)	603822	50.0000	51.670
141 Benzo(b)fluoranthene	252	19.408	19.408	(0.964)	397126	50.0000	45.414 (H)
142 Benzo(k)fluoranthene	252	19.462	19.462	(0.967)	427233	50.0000	59.592
143 7,12-dimethylbenz[a]anthracen	256	19.475	19.475	(0.968)	194657	50.0000	51.769
146 Benzo(a)pyrene	252	20.020	20.020	(0.995)	363567	50.0000	52.220
149 Indeno(1,2,3-cd)pyrene	276	22.001	22.001	(1.093)	359737	50.0000	48.638 (H)
150 Dibenz(a,h)anthracene	278	22.055	22.055	(1.096)	351464	50.0000	48.588
151 Benzo(g,h,i)perylene	276	22.418	22.418	(1.114)	326367	50.0000	48.612
\$ 154 Nitrobenzene-d5	82	5.146	5.146	(0.878)	184821	50.0000	51.920
\$ 155 2-Fluorobiphenyl	172	7.316	7.316	(0.868)	346791	50.0000	52.644
\$ 156 Terphenyl-d14	244	14.914	14.914	(0.869)	390312	50.0000	49.914
\$ 157 Phenol-d5	99	4.367	4.367	(0.943)	227234	50.0000	54.492
\$ 158 2-Fluorophenol	112	3.568	3.568	(0.771)	185942	50.0000	53.026
\$ 159 2,4,6-Tribromophenol	330	9.943	9.943	(0.879)	78913	50.0000	52.953
\$ 186 2-Chlorophenol-d4	132	4.468	4.468	(0.965)	171616	50.0000	52.456
\$ 187 1,2-Dichlorobenzene-d4	152	4.790	4.790	(1.035)	123511	50.0000	52.974

QC Flag Legend

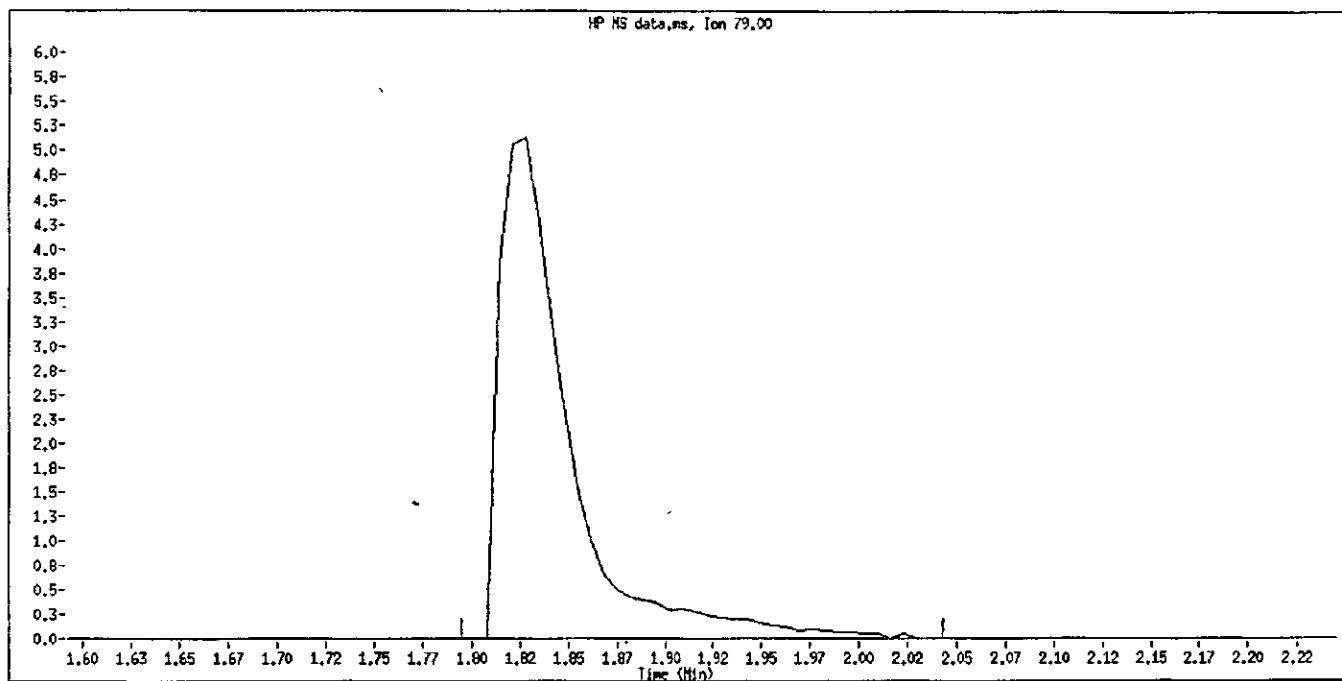
M - Compound response manually integrated.

H - Operator selected an alternate compound hit.

Instrument ID: 721 1
Client ID: SST050
Compound Name: Pyridine
CAS # 110-86-1
Report Date 08/19/2000



Original Integration

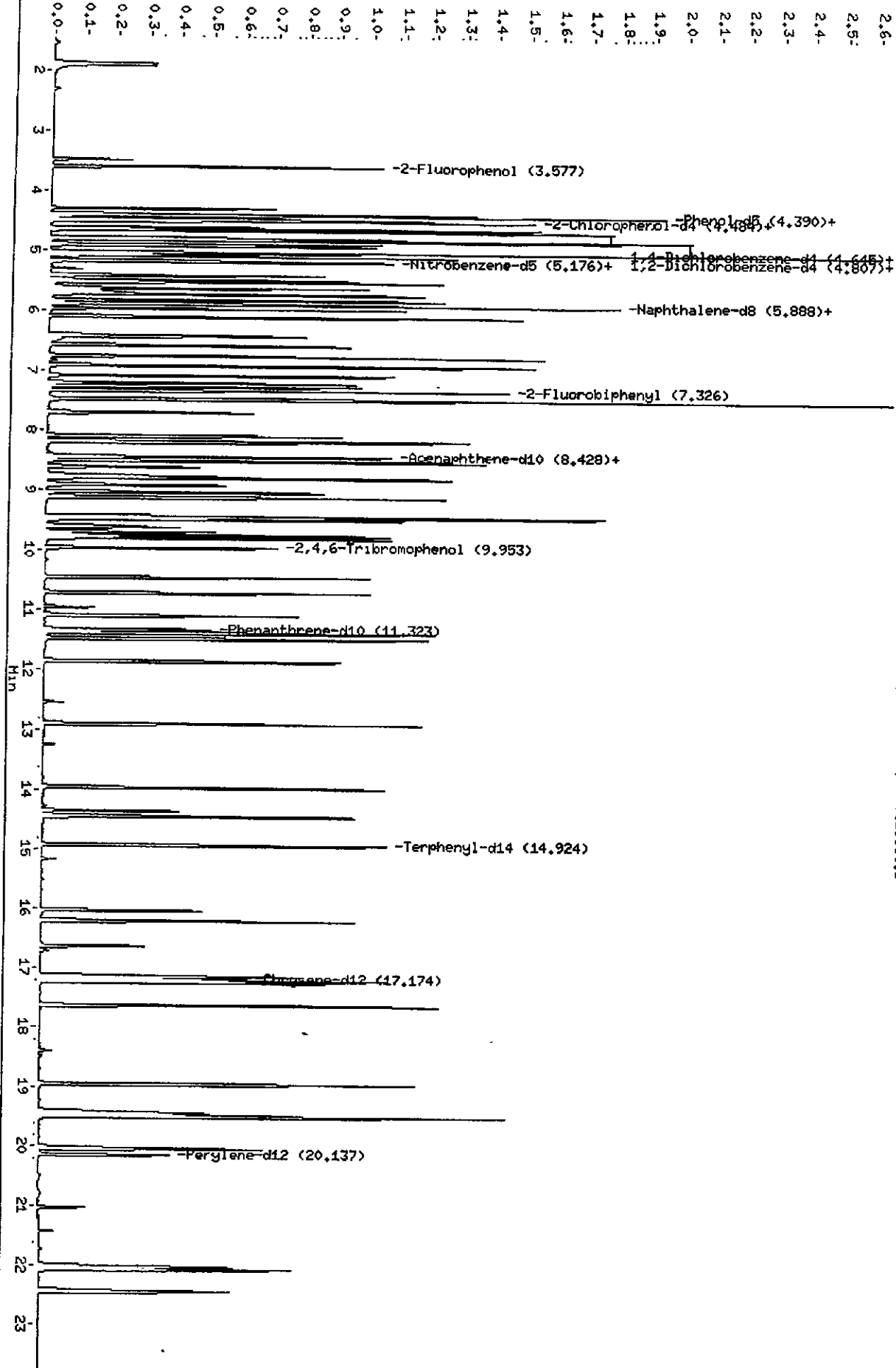


Manual Integration

Manually Integrated By: FergusonD
Manual Integration Reason: Unknown

Data File: \\qlptpa02\chem\721.i\0081800.b\00818003.D
 Date: 18-AUG-2000 14:34
 Client ID: SST080
 Sample Info: sst080 (40UG/ML) 194-188-5 8270/olp/625
 Column phase: HP5-MS

Instrument: 721.i
 Operator: 001562, DLF
 Column diameter: 0.25



Report Date: 19-Aug-2000 11:44

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d081800.b\D0818CC3.D
 Lab Smp Id: sstd80 Client Smp ID: SSTD080
 Inj Date : 18-AUG-2000 14:34
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : sstd080 (40UG/ML) 194-188-5 8270/clp/625
 Misc Info : sstd80,d081800.b,8270c.m,3-root.sub,1,3
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d081800.b\8270c.m
 Meth Date : 19-Aug-2000 11:44 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 13:34 Cal File: D0818CC1.D
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 3-root.sub
 Target Version: 4.04
 Processing Host: PITPC013

DL 7
8-14-00

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)
=====	=====	=====	=====	=====	=====	=====	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.632	4.632	(1.000)	133731	40.0000	
* 2 Naphthalene-d8	136	5.861	5.861	(1.000)	447324	40.0000	
* 3 Acenaphthene-d10	164	8.434	8.434	(1.000)	246054	40.0000	
* 4 Phenanthrene-d10	188	11.323	11.323	(1.000)	444897	40.0000	
* 5 Chrysene-d12	240	17.167	17.167	(1.000)	342342	40.0000	
* 6 Perylene-d12	264	20.136	20.136	(1.000)	268385	40.0000	
10 N-Nitrosodimethylamine	74	1.891	1.891	(0.408)	165532	80.0000	77.743
9 Pyridine	79	1.857	1.857	(0.401)	251490	80.0000	77.415
16 Methyl methanesulfonate	80	3.463	3.463	(0.748)	127180	80.0000	78.800
21 Aniline	93	4.403	4.403	(0.951)	414865	80.0000	78.667
22 Phenol	94	4.390	4.390	(0.948)	429757	80.0000	77.421
23 bis(2-Chloroethyl)ether	93	4.457	4.457	(0.962)	319707	80.0000	77.053
24 2-Chlorophenol	128	4.490	4.490	(0.970)	354991	80.0000	77.238
26 1,3-Dichlorobenzene	146	4.605	4.605	(0.994)	383277	80.0000	78.539
27 1,4-Dichlorobenzene	146	4.645	4.645	(1.003)	389639	80.0000	78.349
28 1,2-Dichlorobenzene	146	4.813	4.813	(1.039)	359279	80.0000	78.337
29 Benzyl Alcohol	108	4.773	4.773	(1.030)	233588	80.0000	76.839
30 2-Methylphenol	108	4.880	4.880	(1.054)	295682	80.0000	77.212
31 2,2'-oxybis(1-Chloropropane)	45	4.907	4.907	(1.059)	413618	80.0000	77.852
32 N-Nitroso-di-n-propylamine	70	5.055	5.055	(1.091)	210609	80.0000	76.301
192 4-Methylphenol	108	5.014	5.014	(1.083)	311476	80.0000	76.787
34 Hexachloroethane	117	5.082	5.082	(1.097)	171424	80.0000	78.502
35 Nitrobenzene	77	5.176	5.176	(0.883)	341687	80.0000	78.996
41 Isophorone	82	5.397	5.397	(0.921)	562575	80.0000	77.117
42 2-Nitrophenol	139	5.478	5.478	(0.935)	192241	80.0000	78.946
43 2,4-Dimethylphenol	107	5.512	5.512	(0.940)	323307	80.0000	77.944

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
=====	=====	==	=====	=====	=====	=====	=====
44 bis(2-Chloroethoxy)methane	93	5.619	5.619	(0.959)	350322	80.0000	77.891
48 2,4-Dichlorophenol	162	5.720	5.720	(0.976)	275645	80.0000	78.968
49 Benzoic Acid	122	5.693	5.693	(0.971)	194330	80.0000	72.606
50 1,2,4-Trichlorobenzene	180	5.814	5.814	(0.992)	307087	80.0000	78.726
51 Naphthalene	128	5.888	5.888	(1.005)	906660	80.0000	78.893
52 4-Chloroaniline	127	5.962	5.962	(1.017)	369789	80.0000	78.082
56 Hexachlorobutadiene	225	6.089	6.089	(1.039)	192188	80.0000	79.826 (Q)
59 4-Chloro-3-Methylphenol	107	6.573	6.573	(1.121)	267033	80.0000	77.862
62 2-Methylnaphthalene	142	6.748	6.748	(1.151)	569144	80.0000	77.807
63 1-Methylnaphthalene	142	6.902	6.902	(1.178)	520379	80.0000	77.086
64 Hexachlorocyclopentadiene	237	7.077	7.077	(0.839)	233706	80.0000	79.436
66 2,4,6-Trichlorophenol	196	7.198	7.198	(0.853)	197785	80.0000	77.222
67 2,4,5-Trichlorophenol	196	7.258	7.258	(0.861)	209240	80.0000	78.467
70 2-Chloronaphthalene	162	7.473	7.473	(0.886)	551851	80.0000	78.156
73 2-Nitroaniline	65	7.695	7.695	(0.912)	181912	80.0000	77.050
76 Dimethylphthalate	163	8.085	8.085	(0.959)	662331	80.0000	77.800
78 2,6-Dinitrotoluene	165	8.192	8.192	(0.971)	160375	80.0000	77.996 (Q)
79 Acenaphthylene	152	8.165	8.165	(0.968)	823569	80.0000	78.156
81 3-Nitroaniline	138	8.427	8.427	(0.999)	173758	80.0000	78.351
82 Acenaphthene	153	8.501	8.501	(1.008)	504477	80.0000	77.849
83 2,4-Dinitrophenol	184	8.609	8.609	(1.021)	123640	80.0000	80.200
85 4-Nitrophenol	109	8.756	8.756	(1.038)	126826	80.0000	77.094
86 Dibenzofuran	168	8.790	8.790	(1.042)	777589	80.0000	77.957
87 2,4-Dinitrotoluene	165	8.911	8.911	(1.057)	216484	80.0000	78.108
91 2,3,5,6-Tetrachlorophenol	232	9.025	9.025	(1.070)	184926	80.0000	77.843
88 2,3,4,6-Tetrachlorophenol	232	9.119	9.119	(1.081)	180362	80.0000	79.647
92 2-Naphthylamine	143	9.099	9.099	(1.079)	331479	80.0000	73.987
93 Diethylphthalate	149	9.428	9.428	(1.118)	696031	80.0000	78.551
94 Fluorene	166	9.442	9.442	(1.119)	624729	80.0000	79.474
95 4-Chlorophenyl-phenylether	204	9.482	9.482	(1.124)	304403	80.0000	78.854
96 4-Nitroaniline	138	9.609	9.609	(1.139)	166088	80.0000	77.380
98 4,6-Dinitro-2-methylphenol	198	9.690	9.690	(0.856)	147308	80.0000	79.370
99 N-Nitrosodiphenylamine (1)	169	9.744	9.744	(0.861)	437152	80.0000	77.685
100 1,2-Diphenylhydrazine	77	9.791	9.791	(0.865)	656092	80.0000	75.344
106 4-Bromophenyl-phenylether	248	10.442	10.442	(0.922)	187234	80.0000	79.311
107 Hexachlorobenzene	284	10.711	10.711	(0.946)	238710	80.0000	78.670
111 Pentachlorophenol	266	11.087	11.087	(0.979)	160186	80.0000	78.751 (Q)
115 Phenanthrene	178	11.376	11.376	(1.005)	855060	80.0000	77.799
116 Anthracene	178	11.470	11.470	(1.013)	854826	80.0000	77.947
119 Carbazole	167	11.860	11.860	(1.047)	751518	80.0000	77.839 (Q)
120 Di-n-Butylphthalate	149	12.895	12.895	(1.139)	1068994	80.0000	77.771
123 Fluoranthene	202	13.956	13.956	(1.233)	843841	80.0000	77.427
124 Benzidine	184	14.339	14.339	(0.835)	260302	80.0000	80.441
125 Pyrene	202	14.433	14.433	(0.841)	815725	80.0000	79.710
131 Butylbenzylphthalate	149	16.206	16.206	(0.944)	428484	80.0000	78.880
135 3,3'-Dichlorobenzidine	252	17.207	17.207	(1.002)	305341	80.0000	80.772
136 Benzo (a) Anthracene	228	17.133	17.133	(0.998)	727703	80.0000	79.534

Report Date: 19-Aug-2000 11:44

Page 1

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(NG)	(NG)
=====	=====	==	=====	=====	=====	=====	=====
137 Chrysene	228	17.234	17.234	(1.004)	630720	80.0000	78.312
139 bis(2-ethylhexyl)Phthalate	149	17.624	17.624	(1.027)	577071	80.0000	78.808
140 Di-n-octylphthalate	149	18.941	18.941	(0.941)	995867	80.0000	77.527
141 Benzo(b)fluoranthene	252	19.431	19.431	(0.965)	713567	80.0000	74.236 (H)
142 Benzo(k)fluoranthene	252	19.485	19.485	(0.968)	653280	80.0000	82.898
143 7,12-dimethylbenz[a]anthracen	256	19.498	19.498	(0.968)	321961	80.0000	77.898
146 Benzo(a)pyrene	252	20.036	20.036	(0.995)	599912	80.0000	78.389
149 Indeno(1,2,3-cd)pyrene	276	22.024	22.024	(1.094)	673894	80.0000	82.890 (H)
150 Dibenz(a,h)anthracene	278	22.071	22.071	(1.096)	655855	80.0000	82.486
151 Benzo(g,h,i)perylene	276	22.441	22.441	(1.114)	612033	80.0000	82.935
\$ 154 Nitrobenzene-d5	82	5.156	5.156	(0.880)	346563	80.0000	78.607
\$ 155 2-Fluorobiphenyl	172	7.325	7.325	(0.869)	624183	80.0000	77.853
\$ 156 Terphenyl-d14	244	14.923	14.923	(0.869)	651773	80.0000	79.191
\$ 157 Phenol-d5	99	4.383	4.383	(0.946)	416517	80.0000	77.381
\$ 158 2-Fluorophenol	112	3.577	3.577	(0.772)	355918	80.0000	78.634
\$ 159 2,4,6-Tribromophenol	330	9.952	9.952	(0.879)	139285	80.0000	78.687
\$ 186 2-Chlorophenol-d4	132	4.477	4.477	(0.967)	330306	80.0000	78.217
\$ 187 1,2-Dichlorobenzene-d4	152	4.800	4.800	(1.036)	234330	80.0000	77.862

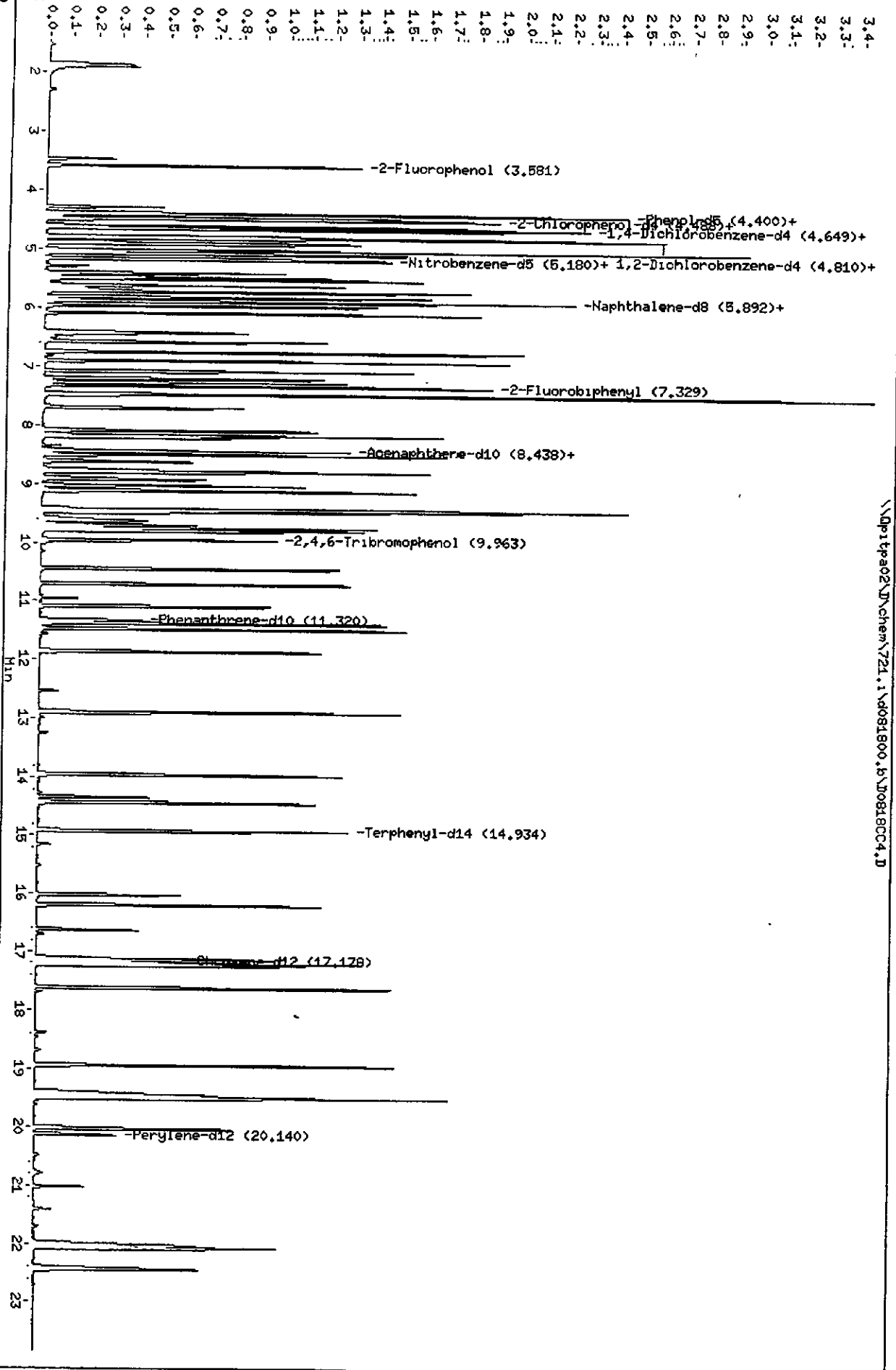
QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

668 284

Data File: \\dp1tpa02\\chem\\721.1\\d081800.b\\D0818CC4.D
 Date : 18-AUG-2000 15:04
 Client ID: SSTID120
 Sample Info: sstd120 (60UC/ML) 194-188-6 8270/c/p/625
 Column phase: Hp5-HS

Instrument: 721.1
 Operator: 001562, JLF
 Column diameter: 0.25



Report Date: 19-Aug-2000 11:45

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d081800.b\D0818CC4.D
 Lab Smp Id: sstd120 Client Smp ID: SSTD120
 Inj Date : 18-AUG-2000 15:04
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : sstd120 (60UG/ML) 194-188-6 8270/clp/625
 Misc Info : sstd120,d081800.b,8270c.m,3-root.sub,1,4
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d081800.b\8270c.m
 Meth Date : 19-Aug-2000 11:45 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 13:34 Cal File: D0818CC1.D
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 3-root.sub
 Target Version: 4.04
 Processing Host: PITPC013

OK
8-19-00

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ON-COL (NG) (NG)
*****	=====	=====	=====	=====	=====	=====	=====
* 1 1,4-Dichlorobenzene-d4	152	4 635	4.635	(1.000)	116067	40.0000	(Q)
* 2 Naphthalene-d8	136	5 864	5.864	(1.000)	389437	40.0000	
* 3 Acenaphthene-d10	164	8.437	8.437	(1.000)	210140	40 0000	
* 4 Phenanthrene-d10	188	11 326	11.326	(1.000)	387116	40.0000	
* 5 Chrysene-d12	240	17 177	17.177	(1.000)	280572	40.0000	
* 6 Perylene-d12	264	20.140	20.140	(1.000)	219626	40 0000	
10 N-Nitrosodimethylamine	74	1.894	1 894	(0.409)	222728	120.000	120.52
9 Pyridine	79	1 854	1.854	(0.400)	335473	120.000	118.98
16 Methyl methanesulfonate	80	3.466	3.466	(0.748)	168895	120.000	120.57
21 Aniline	93	4.407	4 407	(0.951)	539970	120.000	117 97
22 Phenol	94	4.400	4.400	(0.949)	562249	120.000	116.70
23 bis(2-Chloroethyl)ether	93	4.460	4.460	(0.962)	423502	120.000	117.60 (M)
24 2-Chlorophenol	128	4.494	4.494	(0.970)	477624	120.000	119.74
26 1,3-Dichlorobenzene	146	4.608	4.608	(0.994)	512820	120 000	121.08
27 1,4-Dichlorobenzene	146	4.649	4 649	(1.003)	512264	120.000	118.68
28 1,2-Dichlorobenzene	146	4.810	4.810	(1.038)	475953	120.000	119 57
29 Benzyl Alcohol	108	4.783	4.783	(1.032)	319026	120.000	120.92
30 2-Methylphenol	108	4.884	4 884	(1.054)	395845	120 000	119.10
31 2,2'-oxybis(1-Chloropropane)	45	4.911	4.911	(1.059)	548130	120 000	118.87 (Q)
32 N-Nitroso-di-n-propylamine	70	5.065	5 065	(1 093)	288191	120.000	120.30
192 4-Methylphenol	108	5.018	5.018	(1 083)	415128	120.000	117.92
34 Hexachloroethane	117	5.078	5.078	(1.096)	227629	120.000	120.10
35 Nitrobenzene	77	5 179	5.179	(0 883)	453264	120 000	120.37
41 Isophorone	82	5.408	5.408	(0.922)	754019	120 000	118.72
42 2-Nitrophenol	139	5.482	5 482	(0.935)	254334	120 000	119 97
43 2,4-Dimethylphenol	107	5 515	5.515	(0 940)	432091	120.000	119 65

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	(NG)	(NG)	(NG)	(NG)	(NG)	(NG)	(NG)
44 bis(2-Chloroethoxy)methane	93	5.623	5.623	(0.959)	464163	120.000	118.54
48 2,4-Dichlorophenol	162	5.723	5.723	(0.976)	361308	120.000	118.89
49 Benzoic Acid	122	5.723	5.723	(0.976)	303577	120.000	130.28 (M)
50 1,2,4-Trichlorobenzene	180	5.817	5.817	(0.992)	414861	120.000	122.16
51 Naphthalene	128	5.891	5.891	(1.005)	1212936	120.000	121.23
52 4-Chloroaniline	127	5.965	5.965	(1.017)	491751	120.000	119.27
56 Hexachlorobutadiene	225	6.093	6.093	(1.039)	257318	120.000	122.76 (Q)
59 4-Chloro-3-Methylphenol	107	6.583	6.583	(1.123)	356242	120.000	119.31
62 2-Methylnaphthalene	142	6.751	6.751	(1.151)	767462	120.000	120.51
63 1-Methylnaphthalene	142	6.906	6.906	(1.178)	701656	120.000	119.39
64 Hexachlorocyclopentadiene	237	7.074	7.074	(0.838)	318116	120.000	126.61
66 2,4,6-Trichlorophenol	196	7.201	7.201	(0.854)	268242	120.000	122.63
67 2,4,5-Trichlorophenol	196	7.268	7.268	(0.861)	277013	120.000	121.64
70 2-Chloronaphthalene	162	7.477	7.477	(0.886)	739567	120.000	122.64
73 2-Nitroaniline	65	7.705	7.705	(0.913)	246616	120.000	122.31
76 Dimethylphthalate	163	8.095	8.095	(0.959)	892986	120.000	122.82
78 2,6-Dinitrotoluene	165	8.202	8.202	(0.972)	213047	120.000	121.32 (Q)
79 Acenaphthylene	152	8.169	8.169	(0.968)	1090441	120.000	121.17
81 3-Nitroaniline	138	8.437	8.437	(1.000)	226478	120.000	119.58
82 Acenaphthene	153	8.505	8.505	(1.008)	664288	120.000	120.03
83 2,4-Dinitrophenol	184	8.619	8.619	(1.021)	166580	120.000	126.52
85 4-Nitrophenol	109	8.773	8.773	(1.040)	172467	120.000	122.75 (Q)
86 Dibenzofuran	168	8.793	8.793	(1.042)	1038138	120.000	121.87
87 2,4-Dinitrotoluene	165	8.921	8.921	(1.057)	291450	120.000	123.13
91 2,3,5,6-Tetrachlorophenol	232	9.035	9.035	(1.071)	249243	120.000	122.85
88 2,3,4,6-Tetrachlorophenol	232	9.123	9.123	(1.081)	236992	120.000	122.54
92 2-Naphthylamine	143	9.116	9.116	(1.080)	405314	120.000	105.93
93 Diethylphthalate	149	9.438	9.438	(1.119)	927953	120.000	122.62
94 Fluorene	166	9.452	9.452	(1.120)	820537	120.000	122.22
95 4-Chlorophenyl-phenylether	204	9.485	9.485	(1.124)	402782	120.000	122.17
96 4-Nitroaniline	138	9.633	9.633	(1.142)	219530	120.000	119.76
98 4,6-Dinitro-2-methylphenol	198	9.707	9.707	(0.857)	200010	120.000	123.85
99 N-Nitrosodiphenylamine (1)	169	9.754	9.754	(0.861)	593863	120.000	121.28
100 1,2-Diphenylhydrazine	77	9.801	9.801	(0.865)	964069	120.000	127.24
106 4-Bromophenyl-phenylether	248	10.453	10.453	(0.923)	248297	120.000	120.88
107 Hexachlorobenzene	284	10.715	10.715	(0.946)	316887	120.000	120.02
111 Pentachlorophenol	266	11.098	11.098	(0.980)	213992	120.000	120.90 (Q)
115 Phenanthrene	178	11.387	11.387	(1.005)	1133045	120.000	118.48
116 Anthracene	178	11.481	11.481	(1.014)	1118968	120.000	117.26
119 Carbazole	167	11.863	11.863	(1.047)	966734	120.000	115.08 (Q)
120 Di-n-Butylphthalate	149	12.898	12.898	(1.139)	1389511	120.000	116.18
123 Fluoranthene	202	13.966	13.966	(1.233)	1096115	120.000	115.59
124 Benzidine	184	14.342	14.342	(0.835)	308726	120.000	116.41
125 Pyrene	202	14.436	14.436	(0.840)	1021646	120.000	121.81
131 Butylbenzylphthalate	149	16.210	16.210	(0.944)	546479	120.000	122.75
135 3,3'-Dichlorobenzidine	252	17.211	17.211	(1.002)	376696	120.000	121.58
136 Benzo(a)Anthracene	228	17.144	17.144	(0.998)	923602	120.000	123.17

Compounds	QUANT	SIG	AMOUNTS					
			MASS	RT	EXP RT	REL RT	CAL-AMT	ON-COL
							(NG)	(NG)
=====	====	==	=====	=====	=====	=====	=====	
137 Chrysene	228	17.244	17.244	(1.004)	806851	120.000	122.24	
139 bis(2-ethylhexyl)Phthalate	149	17.634	17.634	(1.027)	757687	120.000	126.25	
140 Di-n-octylphthalate	149	18.951	18.951	(0.941)	1266602	120.000	120.49	
141 Benzo(b)fluoranthene	252	19.448	19.448	(0.966)	1048391	120.000	133.28 (H)	
142 Benzo(k)fluoranthene	252	19.508	19.508	(0.969)	686379	120.000	106.43	
143 7,12-dimethylbenz[a]anthracene	256	19.508	19.508	(0.969)	420171	120.000	124.23	
146 Benzo(a)pyrene	252	20.046	20.046	(0.995)	764416	120.000	122.06	
149 Indeno(1,2,3-cd)pyrene	276	22.034	22.034	(1.094)	879910	120.000	132.26 (H)	
150 Dibenz(a,h)anthracene	278	22.088	22.088	(1.097)	877496	120.000	134.86	
151 Benzo(g,h,i)perylene	276	22.458	22.458	(1.115)	813234	120.000	134.66	
\$ 154 Nitrobenzene-d5	82	5.159	5.159	(0.880)	462317	120.000	120.45	
\$ 155 2-Fluorobiphenyl	172	7.329	7.329	(0.869)	839007	120.000	122.53	
\$ 156 Terphenyl-d14	244	14.934	14.934	(0.869)	847811	120.000	125.69	
\$ 157 Phenol-d5	99	4.387	4.387	(0.946)	544157	120.000	116.48	
\$ 158 2-Fluorophenol	112	3.580	3.580	(0.772)	474529	120.000	120.79	
\$ 159 2,4,6-Tribromophenol	330	9.962	9.962	(0.880)	189668	120.000	123.14	
\$ 186 2-Chlorophenol-d4	132	4.481	4.481	(0.967)	441613	120.000	120.49	
\$ 187 1,2-Dichlorobenzene-d4	152	4.803	4.803	(1.036)	312098	120.000	119.48	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

668 288

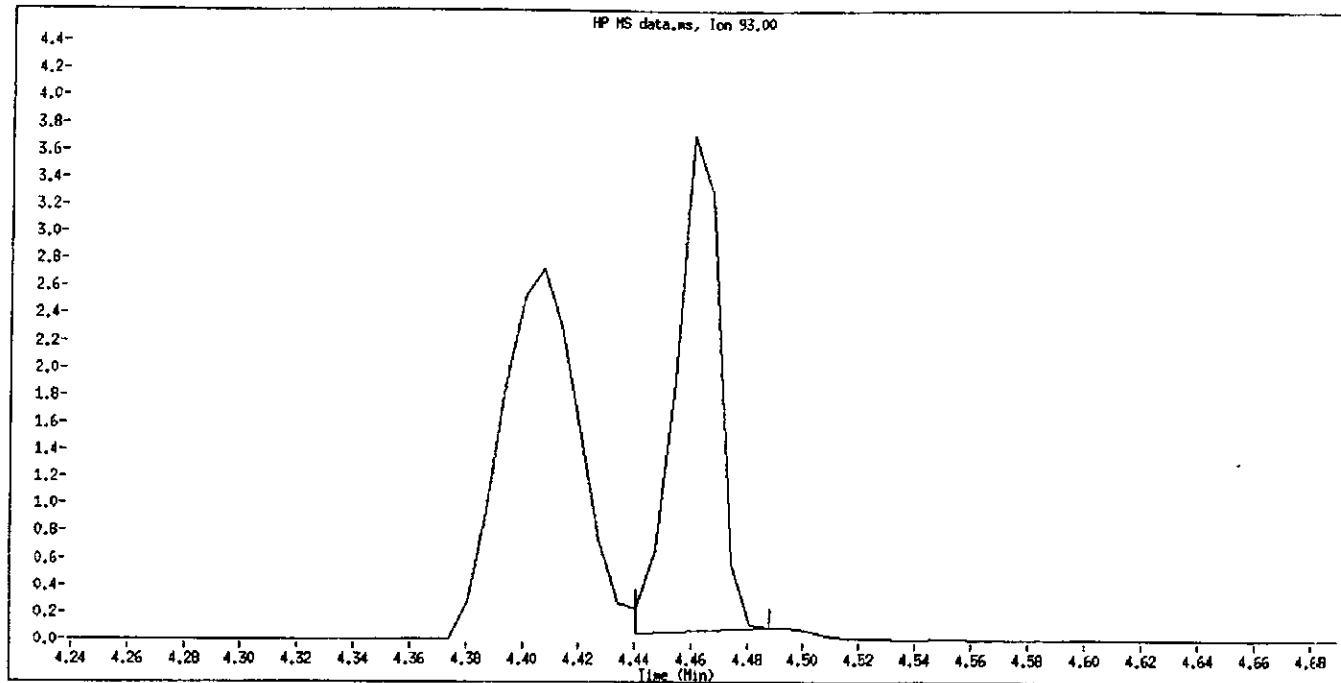
Instrument ID. 721.1

Client ID SSTD120

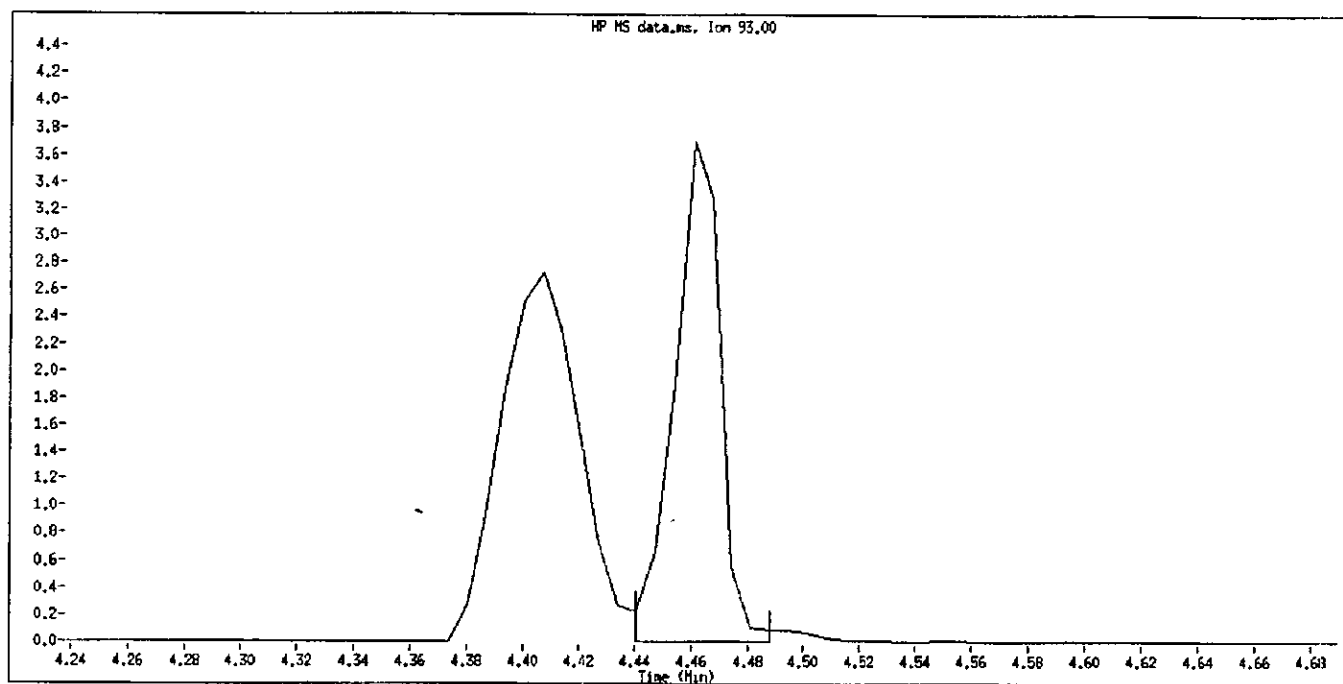
Compound Name. bis(2-Chloroethyl)ether

CAS # 111-44-4

Report Date 08/19/2000



Original Integration

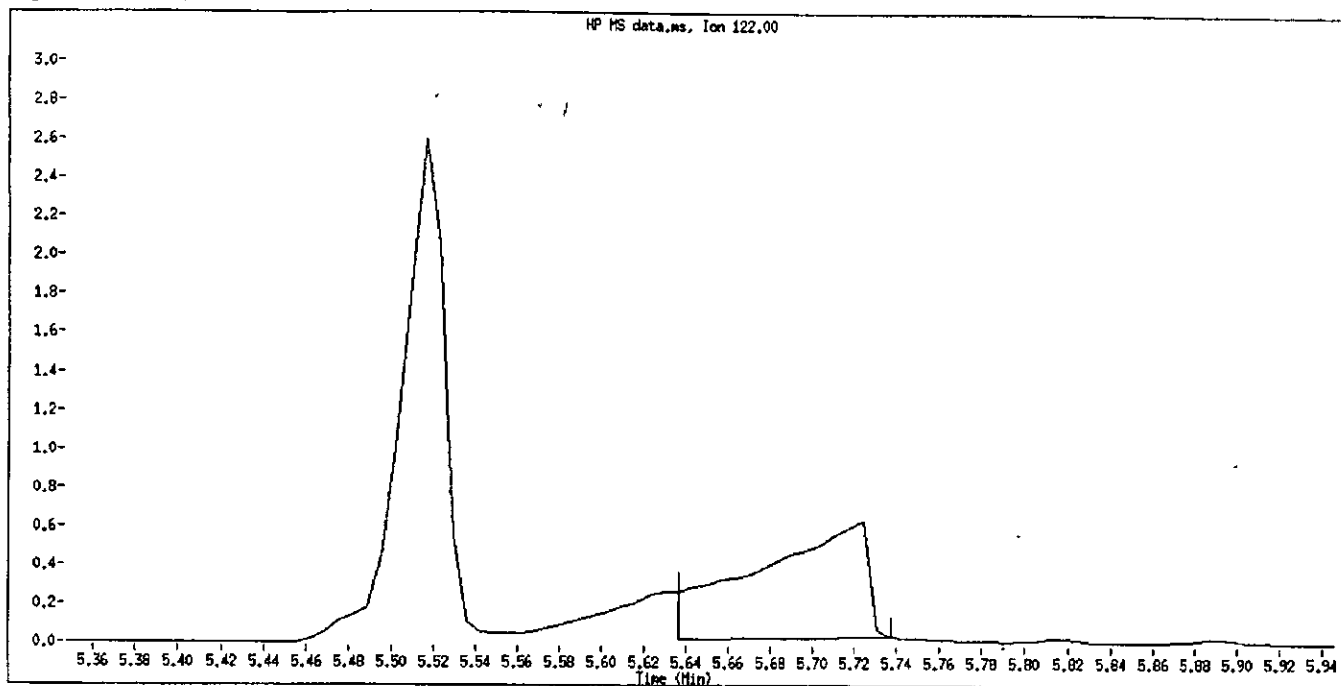


Manual Integration

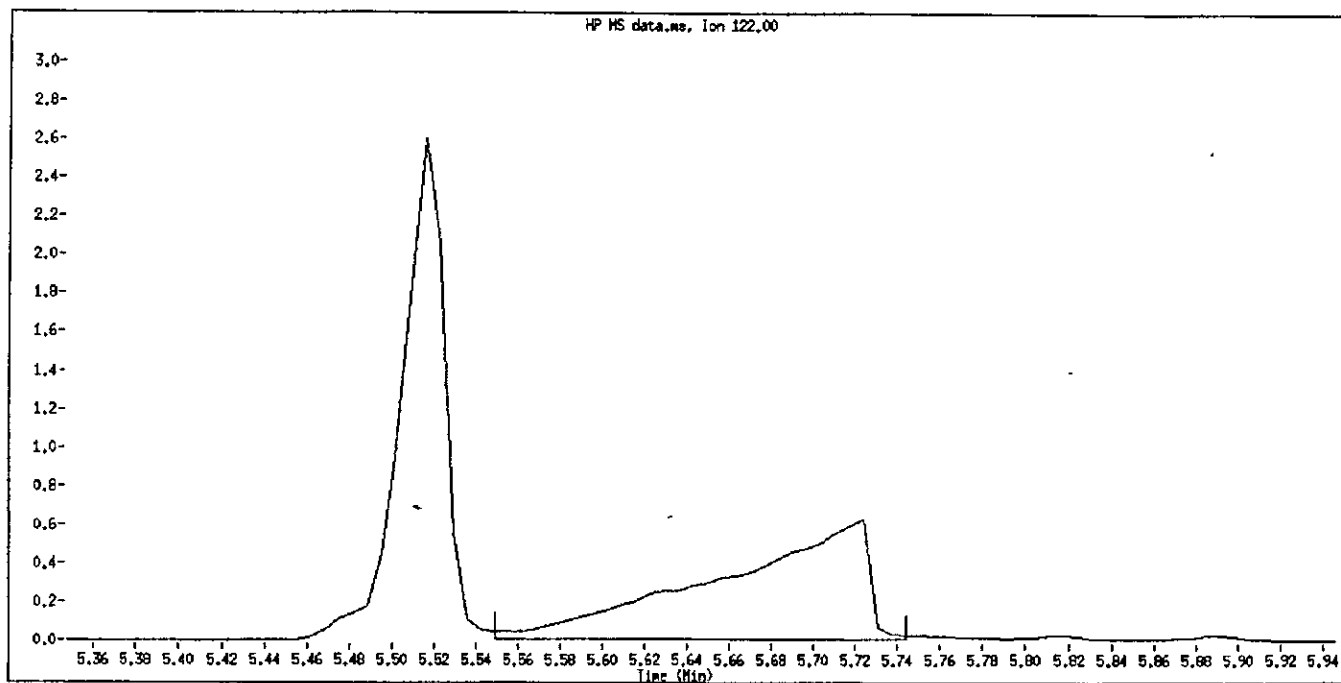
Manually Integrated By. FergusonD

Manual Integration Reason Unknown

Instrument ID 721 i
Client ID SST0120
Compound Name Benzoic Acid
CAS # 65-85-0
Report Date 08/19/2000



Original Integration

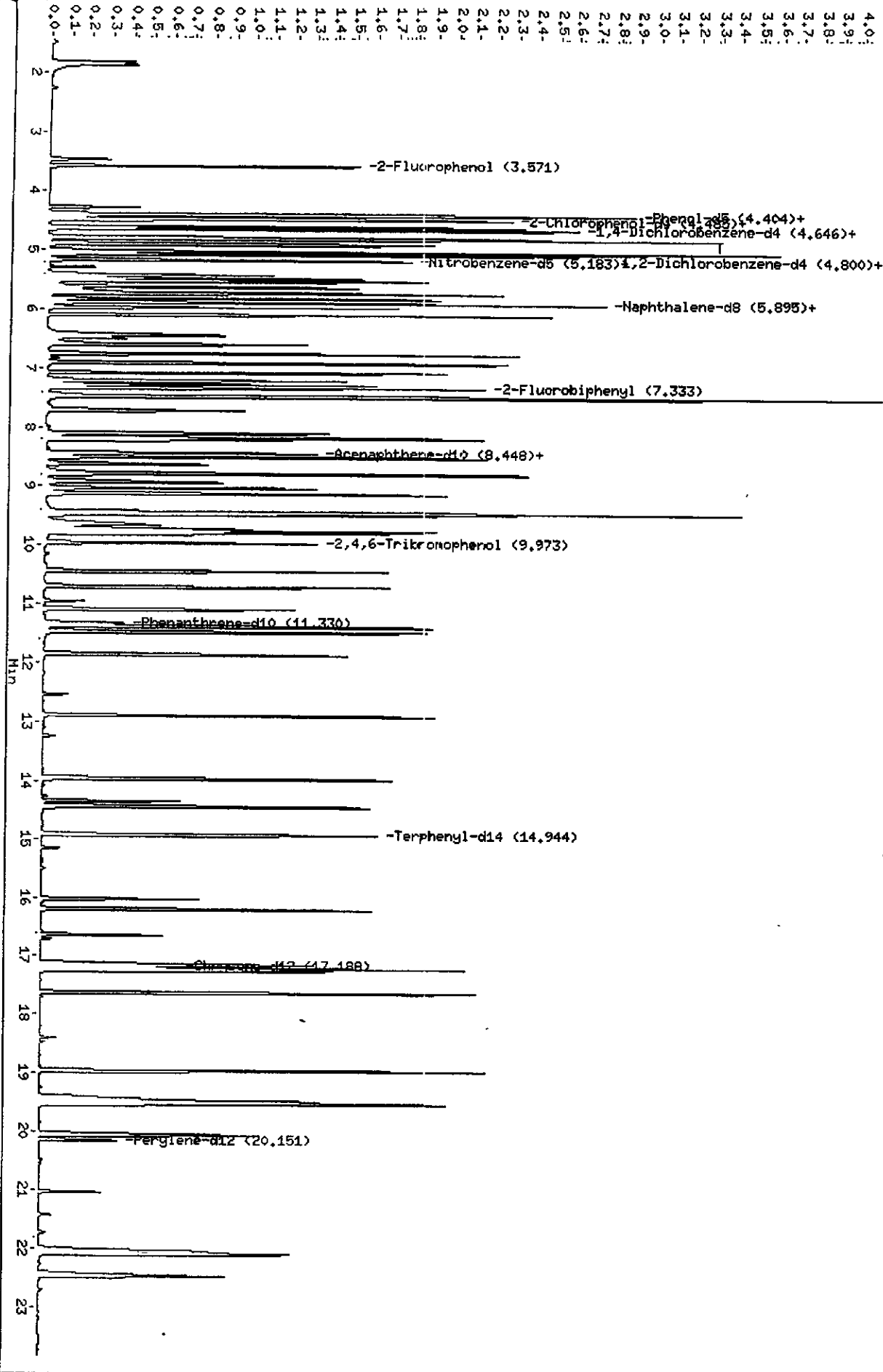


Manual Integration

Manually Integrated By: FergusonD
Manual Integration Reason Unknown

Data File: \\Qp1tpa02\chem\721.1\4081800.b\10818005.D
 Date: 18-AUG-2000 15:33
 Client ID: SST1060
 Sample Info: satd160 (80UG/ML) 194-188-7 8270/clp/625
 Column Phase: Hp5-MS

Instrument: 721.1
 Operator: 001562, DLF
 Column diameter: 0.25



Report Date: 19-Aug-2000 11:47

STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d081800.b\D0818CC5.D
 Lab Smp Id: sstd160 Client Smp ID: SSTD160
 Inj Date : 18-AUG-2000 15:33
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : sstd160 (80UG/ML) 194-188-7 8270/clp/625
 Misc Info : sstd160,d081800.b,8270c.m,3-root.sub,1,5
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d081800.b\8270c.m
 Meth Date : 19-Aug-2000 11:47 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC013

OK
8-19-00

Compound Sublist: 3-root.sub

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
*****	****	==	*****	*****	*****	*****	*****
* 1 1,4-Dichlorobenzene-d4	152	4.632	4.632	(1.000)	113760	40.0000	(Q)
* 2 Naphthalene-d8	136	5.868	5.868	(1.000)	389217	40.0000	
* 3 Acenaphthene-d10	164	8.441	8.441	(1.000)	223888	40.0000	
* 4 Phenanthrene-d10	188	11.330	11.330	(1.000)	394874	40.0000	
* 5 Chrysene-d12	240	17.188	17.188	(1.000)	315656	40.0000	
* 6 Perylene-d12	264	20.150	20.150	(1.000)	238620	40.0000	
10 N-Nitrosodimethylamine	74	1.864	1.864	(0.403)	283693	160.000	156.63
9 Pyridine	79	1.810	1.810	(0.391)	424686	160.000	153.68
16 Methyl methanesulfonate	80	3.456	3.456	(0.746)	214630	160.000	156.33
21 Aniline	93	4.410	4.410	(0.952)	689037	160.000	153.59
22 Phenol	94	4.403	4.403	(0.951)	718954	160.000	152.26
23 bis(2-Chloroethyl)ether	93	4.464	4.464	(0.964)	552209	160.000	156.45(M)
24 2-Chlorophenol	128	4.491	4.491	(0.970)	628737	160.000	160.82(A)
26 1,3-Dichlorobenzene	146	4.605	4.605	(0.994)	650786	160.000	156.77
27 1,4-Dichlorobenzene	146	4.652	4.652	(1.004)	654249	160.000	154.65
28 1,2-Dichlorobenzene	146	4.813	4.813	(1.039)	607057	160.000	155.60
29 Benzyl Alcohol	108	4.786	4.786	(1.033)	411173	160.000	159.00
30 2-Methylphenol	108	4.887	4.887	(1.055)	522745	160.000	160.47(A)
31 2,2'-oxybis(1-Chloropropane)	45	4.907	4.907	(1.059)	685638	160.000	151.71(Q)
32 N-Nitroso-di-n-propylamine	70	5.069	5.069	(1.094)	363011	160.000	154.60
192 4-Methylphenol	108	5.028	5.028	(1.086)	547015	160.000	158.53
34 Hexachloroethane	117	5.082	5.082	(1.097)	294136	160.000	158.34
35 Nitrobenzene	77	5.183	5.183	(0.883)	590774	160.000	156.97
41 Isophorone	82	5.418	5.418	(0.923)	1029721	160.000	162.22(A)
42 2-Nitrophenol	139	5.485	5.485	(0.935)	337937	160.000	159.50
43 2,4-Dimethylphenol	107	5.525	5.525	(0.942)	586475	160.000	162.50(A)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)	ON-COL (NG)
====	====	==	=====	=====	=====	=====	=====
44 bis (2-Chloroethoxy)methane	93	5.626	5 626	(0.959)	626925	160.000	160.20 (A)
48 2,4-Dichlorophenol	162	5.734	5.734	(0.977)	493435	160.000	162.46 (A)
49 Benzoic Acid	122	5.754	5.754	(0.981)	413742	160.000	177.66 (A)
50 1,2,4-Trichlorobenzene	180	5.821	5 821	(0.992)	547903	160.000	161.43 (A)
51 Naphthalene	128	5.895	5 895	(1.005)	1597717	160.000	159.78
52 4-Chloroaniline	127	5.975	5.975	(1.018)	651908	160.000	158.20
56 Hexachlorobutadiene	225	6.090	6.090	(1.038)	336166	160.000	160.47 (AQ)
59 4-Chloro-3-Methylphenol	107	6.600	6 600	(1.125)	469001	160.000	157.17
62 2-Methylnaphthalene	142	6.755	6.755	(1.151)	1024251	160.000	160.93 (A)
63 1-Methylnaphthalene	142	6.909	6.909	(1.177)	927766	160.000	157.95
64 Hexachlorocyclopentadiene	237	7.077	7 077	(0.838)	426149	160.000	159.19
66 2,4,6-Trichlorophenol	196	7.212	7.212	(0.854)	383416	160.000	164.52 (A)
67 2,4,5-Trichlorophenol	196	7.279	7.279	(0.862)	377707	160.000	155.67
70 2-Chloronaphthalene	162	7.487	7 487	(0.887)	1003360	160.000	156.17
73 2-Nitroaniline	65	7.715	7.715	(0.914)	338380	160.000	157.51
76 Dimethylphthalate	163	8.105	8.105	(0.960)	1190195	160.000	153.65
78 2,6-Dinitrotoluene	165	8.212	8.212	(0.973)	290369	160.000	155.20 (Q)
79 Acenaphthylene	152	8.179	8 179	(0.969)	1494770	160.000	155.90
81 3-Nitroaniline	138	8.454	8 454	(1.002)	313203	160.000	155.21
82 Acenaphthene	153	8.515	8.515	(1.009)	936356	160.000	158.80
83 2,4-Dinitrophenol	184	8.636	8.636	(1.023)	239050	160.000	170.41 (A)
85 4-Nitrophenol	109	8.797	8 797	(1.042)	255191	160.000	170.48 (AQ)
86 Dibenzofuran	168	8.804	8.804	(1.043)	1430449	160.000	157.61 (Q)
87 2,4-Dinitrotoluene	165	8.945	8 945	(1.060)	397193	160.000	157.50
91 2,3,5,6-Tetrachlorophenol	232	9.045	9 045	(1.072)	348709	160.000	161.32 (A)
88 2,3,4,6-Tetrachlorophenol	232	9.140	9 140	(1.083)	328690	160.000	159.52
92 2-Naphthylamine	143	9.133	9.133	(1.082)	534736	160.000	131.17
93 Diethylphthalate	149	9.449	9 449	(1.119)	1245712	160.000	154.50
94 Fluorene	166	9.462	9.462	(1.121)	1072469	160.000	149.94
95 4-Chlorophenyl-phenylether	204	9.496	9.496	(1.125)	547189	160.000	155.78
96 4-Nitroaniline	138	9.664	9 664	(1.145)	308524	160.000	157.97
98 4,6-Dinitro-2-methylphenol	198	9.731	9 731	(0.859)	284070	160.000	172.45 (A)
99 N-Nitrosodiphenylamine (1)	169	9.771	9.771	(0.862)	795767	160.000	159.33
100 1,2-Diphenylhydrazine	77	9.811	9.811	(0.866)	1263074	160.000	163.42 (A)
106 4-Bromophenyl-phenylether	248	10.456	10 456	(0.923)	339496	160.000	162.03 (A)
107 Hexachlorobenzene	284	10.725	10 725	(0.947)	453027	160.000	168.21 (A)
111 Pentachlorophenol	266	11.108	11.108	(0.980)	308948	160.000	171.13 (AQ)
115 Phenanthrene	178	11.397	11.397	(1.006)	1572226	160.000	161.17 (A)
116 Anthracene	178	11.491	11 491	(1.014)	1544446	160.000	158.67
119 Carbazole	167	11.874	11 874	(1.048)	1381046	160.000	161.16 (AQ)
120 Di-n-Butylphthalate	149	12.908	12 908	(1.139)	1940042	160.000	159.02
123 Fluoranthene	202	13.976	13.976	(1.234)	1569160	160.000	162.22 (A)
124 Benzidine	184	14.353	14 353	(0.835)	432330	160.000	144.90
125 Pyrene	202	14.453	14.453	(0.841)	1506773	160.000	159.68
131 Butylbenzylphthalate	149	16.220	16.220	(0.944)	805772	160.000	160.88 (A)
135 3,3'-Dichlorobenzidine	252	17.228	17 228	(1.002)	563872	160.000	161.77 (A)
136 Benzo (a) Anthracene	228	17.161	17 161	(0.998)	1371356	160.000	162.55 (A)

Report Date: 19-Aug-2000 11:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (NG)	ON-COL (NG)
=====	=====	==	=====	=====	=====	=====	=====
137 Chrysene	228	17.261	17.261	(1.004)	1225676	160.000	165.05 (A)
139 bis(2-ethylhexyl) Phthalate	149	17.638	17.638	(1.026)	1115809	160.000	165.26 (A)
140 Di-n-octylphthalate	149	18.968	18.968	(0.941)	1948748	160.000	170.63 (A)
141 Benzo(b)fluoranthene	252	19.478	19.478	(0.967)	1639598	160.000	191.85 (AH)
142 Benzo(k)fluoranthene	252	19.539	19.539	(0.970)	968981	160.000	138.30 (M)
143 7,12-dimethylbenz[a]anthracen	256	19.532	19.532	(0.969)	635297	160.000	172.88 (A)
146 Benzo(a)pyrene	252	20.063	20.063	(0.996)	1105928	160.000	162.54 (A)
149 Indeno(1,2,3-cd)pyrene	276	22.045	22.045	(1.094)	1246224	160.000	172.41 (AH)
150 Dibenz(a,h)anthracene	278	22.098	22.098	(1.097)	1196898	160.000	169.31 (A)
151 Benzo(g,h,i)perylene	276	22.474	22.474	(1.115)	1088744	160.000	165.94 (A)
\$ 154 Nitrobenzene-d5	82	5.163	5.163	(0.880)	612492	160.000	159.66
\$ 155 2-Fluorobiphenyl	172	7.339	7.339	(0.869)	1138477	160.000	156.06
\$ 156 Terphenyl-d14	244	14.944	14.944	(0.869)	1215070	260.000	160.11 (A)
\$ 157 Phenol-d5	99	4.397	4.397	(0.949)	701861	160.000	153.28
\$ 158 2-Fluorophenol	112	3.577	3.577	(0.772)	593493	160.000	154.14
\$ 159 2,4,6-Tribromophenol	330	9.973	9.973	(0.880)	262317	160.000	166.96 (A)
\$ 186 2-Chlorophenol-d4	132	4.477	4.477	(0.967)	570512	160.000	158.81
\$ 187 1,2-Dichlorobenzene-d4	152	4.800	4.800	(1.036)	398419	160.000	155.62

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

668 294

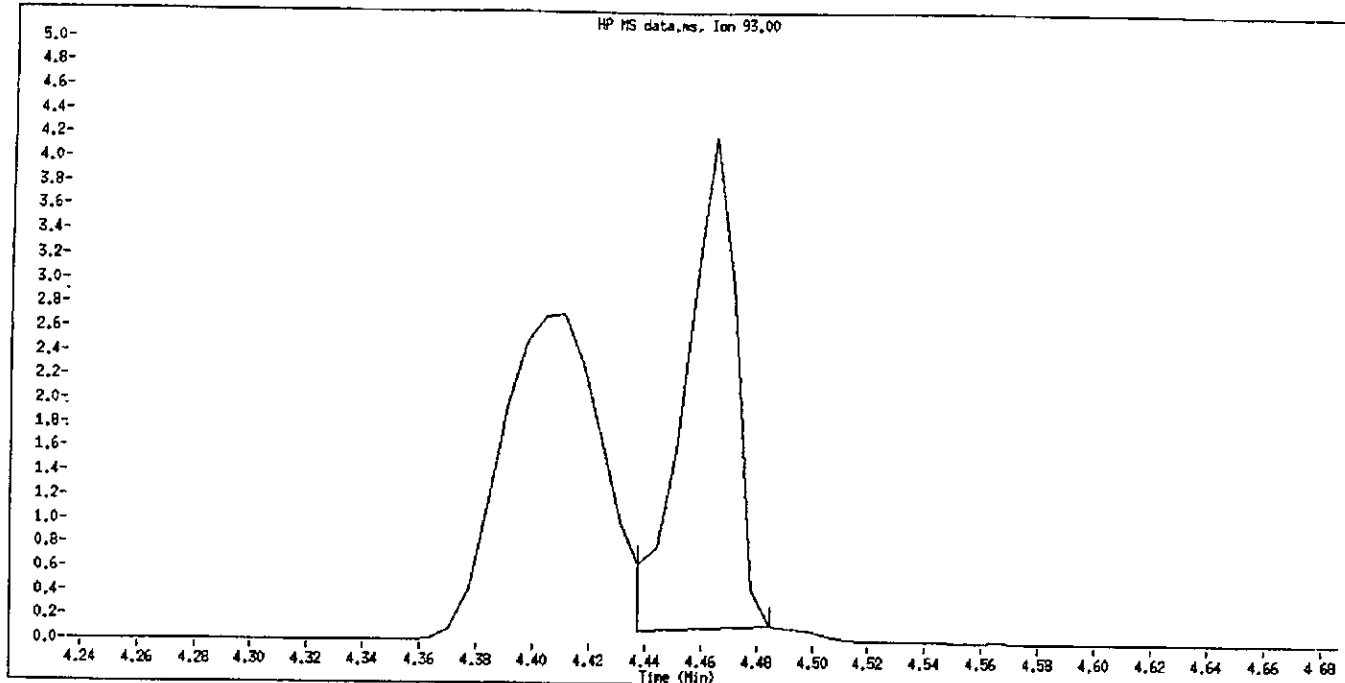
Instrument ID: 721 i

Client ID: SSTD160

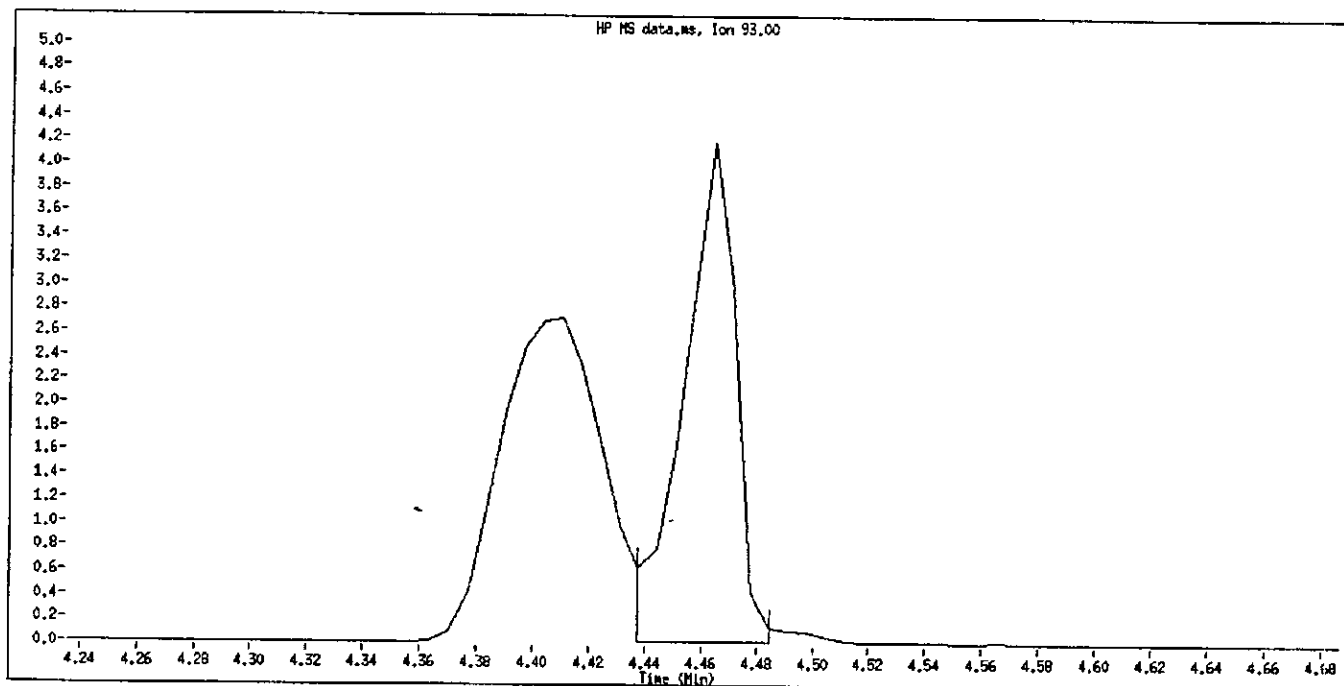
Compound Name: bis(2-Chloroethyl)ether

CAS # 111-44-4

Report Date: 08/19/2000



Original Integration

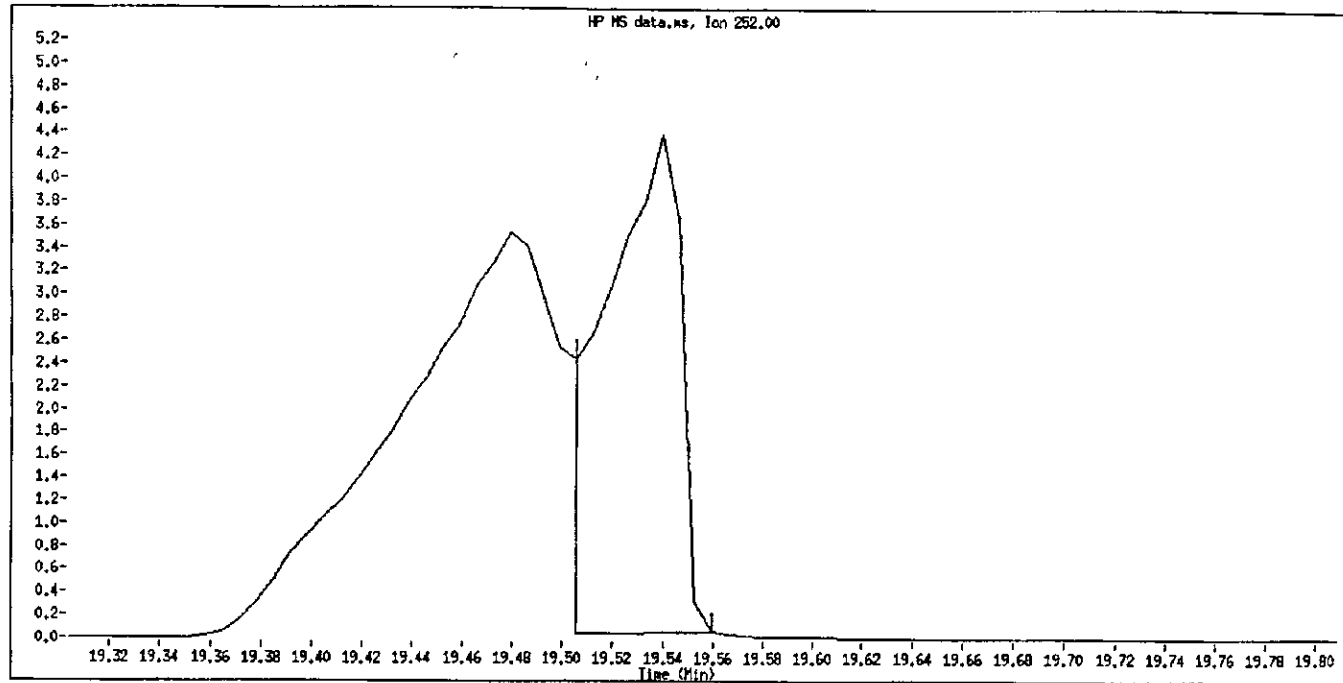


Manual Integration

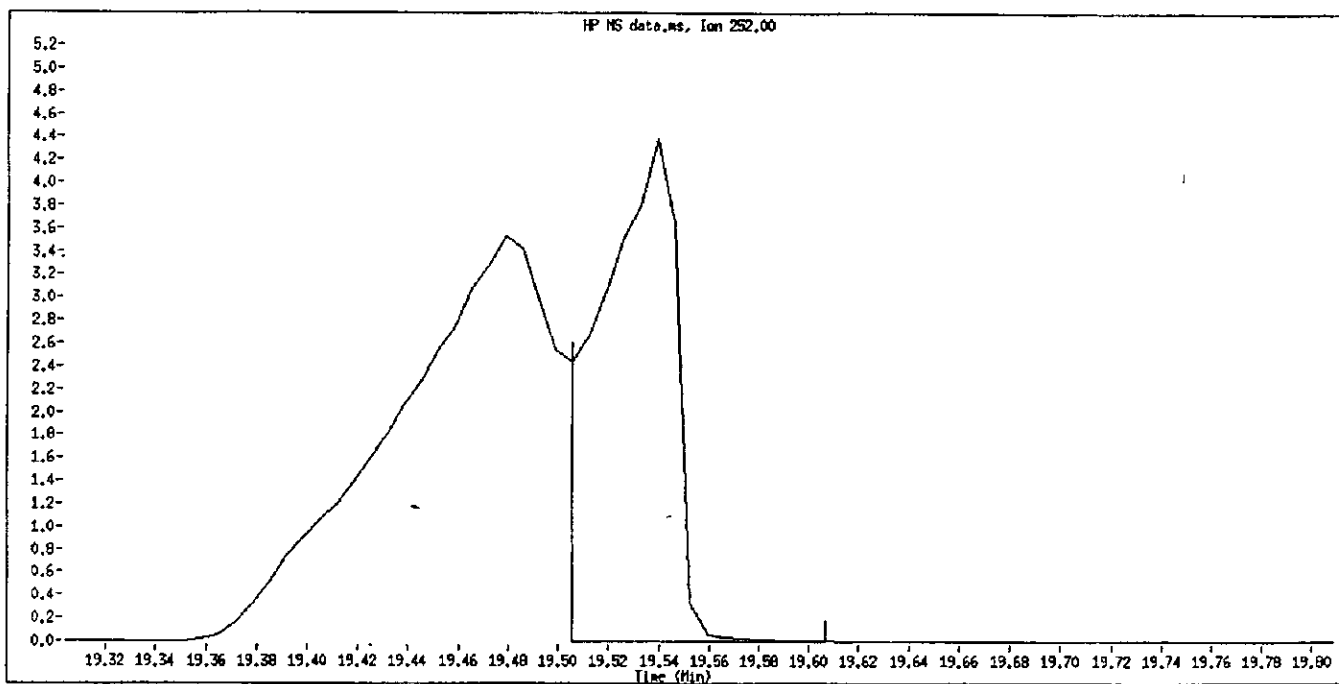
Manually Integrated By: FergusonD

Manual Integration Reason: Unknown

Instrument ID: 721 i
Client ID SSTD160
Compound Name Benzo(k)fluoranthene
CAS # 207-08-9
Report Date: 08/19/2000



Original Integration



Manual Integration

Manually Integrated By FergusonD
Manual Integration Reason: Unknown

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: COH150146

Instrument ID: 721

Calibration Date: 08/21/00

Time: 1207

Lab File ID: D0821CCC

Init. Calib. Date(s): 08/18/00

08/18/00

Init. Calib. Times: 1334

1533

GC Column: HP5-MS

ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.660	1.748	0.01	5.3	20.0
bis(2-Chloroethyl) ether	1.241	1.290	0.01	3.9	50.0
2-Chlorophenol	1.375	1.411	0.01	2.6	50.0
1,3-Dichlorobenzene	1.460	1.518	0.01	4.0	50.0
1,4-Dichlorobenzene	1.488	1.580	0.01	6.2	20.0
1,2-Dichlorobenzene	1.372	1.453	0.01	5.9	50.0
2-Methylphenol	1.146	1.171	0.01	2.2	50.0
2,2'-oxybis(1-Chloropropane)	1.589	1.639	0.01	3.1	50.0
4-Methylphenol	1.213	1.246	0.01	2.7	50.0
Hexachloroethane	0.653	0.674	0.01	3.2	50.0
Nitrobenzene	0.387	0.412	0.01	6.4	50.0
Isophorone	0.652	0.683	0.01	4.8	50.0
2-Nitrophenol	0.218	0.231	0.01	6.0	20.0
2,4-Dimethylphenol	0.371	0.386	0.01	4.0	50.0
bis(2-Chloroethoxy)methane	0.402	0.417	0.01	3.7	50.0
N-Nitroso-di-n-propylamine	0.826	0.816	0.05	1.2	50.0
2,4-Dichlorophenol	0.312	0.330	0.01	5.8	20.0
1,2,4-Trichlorobenzene	0.349	0.377	0.01	8.0	50.0
Naphthalene	1.027	1.093	0.01	6.4	50.0
4-Chloroaniline	0.423	0.451	0.01	6.6	50.0
Hexachlorobutadiene	0.215	0.236	0.01	9.8	20.0
4-Chloro-3-Methylphenol	0.307	0.328	0.01	6.8	20.0
2-Methylnaphthalene	0.654	0.682	0.01	4.3	50.0
Hexachlorocyclopentadiene	0.478	0.502	0.05	5.0	50.0
2,4,6-Trichlorophenol	0.416	0.439	0.01	5.5	20.0
2,4,5-Trichlorophenol	0.434	0.469	0.01	8.1	50.0
2-Chloronaphthalene	1.148	1.251	0.01	9.0	50.0
2-Nitroaniline	0.384	0.402	0.01	4.7	50.0
Dimethylphthalate	1.384	1.465	0.01	5.8	50.0
Acenaphthylene	1.713	1.832	0.01	6.9	50.0
2,6-Dinitrotoluene	0.334	0.353	0.01	5.7	50.0
3-Nitroaniline	0.360	0.370	0.01	2.8	50.0
Acenaphthene	1.054	1.113	0.01	5.6	20.0
2,4-Dinitrophenol	0.251	0.252	0.05	0.4	50.0
4-Nitrophenol	0.268	0.279	0.05	4.1	50.0
Dibenzofuran	1.622	1.724	0.01	6.3	50.0
2,4-Dinitrotoluene	0.451	0.474	0.01	5.1	50.0

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: COH150146

Instrument ID: 721

Calibration Date: 08/21/00 Time: 1207

Lab File ID: D0821CCC

Init. Calib. Date(s): 08/18/00 08/18/00

Init. Calib. Times: 1334 1533

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.440	1.511	0.01	4.9	50.0
4-Chlorophenyl-phenylether	0.627	0.672	0.01	7.2	50.0
Fluorene	1.278	1.358	0.01	6.2	50.0
4-Nitroaniline	0.349	0.357	0.01	2.3	50.0
4,6-Dinitro-2-methylphenol	0.167	0.175	0.01	4.8	50.0
N-Nitrosodiphenylamine (1)	0.506	0.523	0.01	3.4	20.0
4-Bromophenyl-phenylether	0.212	0.236	0.01	11.3	50.0
Hexachlorobenzene	0.273	0.301	0.01	10.2	50.0
Pentachlorophenol	0.183	0.195	0.01	6.6	20.0
Phenanthrene	0.988	1.062	0.01	7.5	50.0
Anthracene	0.986	1.082	0.01	9.7	50.0
Carbazole	0.868	0.932	0.01	7.4	50.0
Di-n-Butylphthalate	1.236	1.338	0.01	8.2	50.0
Fluoranthene	0.980	1.059	0.01	8.1	20.0
Pyrene	1.196	1.258	0.01	5.2	50.0
Butylbenzylphthalate	0.635	0.652	0.01	2.7	50.0
3,3'-Dichlorobenzidine	0.442	0.467	0.01	5.6	50.0
Benzo(a)Anthracene	1.069	1.086	0.01	1.6	50.0
Chrysene	0.941	0.966	0.01	2.6	50.0
bis(2-ethylhexyl) Phthalate	0.856	0.862	0.01	0.7	50.0
Di-n-octylphthalate	1.914	1.788	0.01	6.6	20.0
Benzo(b)fluoranthene	1.432	1.280	0.01	10.6	50.0
Benzo(k)fluoranthene	1.175	1.335	0.01	13.6	50.0
Benzo(a)pyrene	1.141	1.156	0.01	1.3	20.0
Indeno(1,2,3-cd)pyrene	1.212	1.202	0.01	0.8	50.0
Dibenz(a,h)anthracene	1.185	1.207	0.01	1.8	50.0
Benzo(g,h,i)perylene	1.100	1.168	0.01	6.2	50.0
Pyridine	0.971	1.010	0.01	4.0	50.0
N-Nitrosodimethylamine	0.637	0.657	0.01	3.1	50.0
Aniline	1.577	1.651	0.01	4.7	50.0
Benzyl Alcohol	0.909	0.934	0.01	2.8	50.0
Benzoic Acid	0.239	0.239	0.01	0.0	50.0
1-Methylnaphthalene	0.604	0.630	0.01	4.3	50.0
2,3,4,6-Tetrachlorophenol	0.368	0.397	0.01	7.9	50.0
2,3,5,6-Tetrachlorophenol	0.386	0.412	0.01	6.7	50.0
1,2-Diphenylhydrazine	0.783	0.825	0.01	5.4	50.0
Benzidine	0.378	0.409	0.01	8.2	50.0

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.:

SDG No.: C0H150146

Instrument ID: 721

Calibration Date: 08/21/00

Time: 1207

Lab File ID: D0821CCC

Init. Calib. Date(s): 08/18/00 08/18/00

Init. Calib. Times: 1334 1533

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Methyl methanesulfonate	0.483	0.490	0.01	1.4	50.0
2-Naphthylamine	0.728	0.762	0.01	4.7	50.0
7,12-dimethylbenz[a]anthrace	0.616	0.605	0.01	1.8	50.0
Nitrobenzene-d5	0.394	0.413	0.01	4.8	50.0
2-Fluorobiphenyl	1.303	1.413	0.01	8.4	50.0
Terphenyl-d14	0.962	1.008	0.01	4.8	50.0
Phenol-d5	1.610	1.669	0.01	3.7	50.0
2-Fluorophenol	1.354	1.406	0.01	3.8	50.0
2,4,6-Tribromophenol	0.159	0.177	0.01	11.3	50.0
2-Chlorophenol-d4	1.263	1.300	0.01	2.9	50.0
1,2-Dichlorobenzene-d4	0.900	0.961	0.01	6.8	50.0

Data File: \\qpitpa02\\d\\chem\\721.i\\d082100.b
Report Date: 08/21/2000

CONTINUING CALIBRATION COMPOUNDS PERCENT DRIFT REPORT

Instrument ID: 721.i
Lab File ID: D0821CCC.D
Analysis Type: NONE

Injection Date: 21-AUG-2000 12:07
Lab Sample ID: sstd50
Method File: \\qpitpa02\\d\\chem\\721.i\\d082100.b

8270c

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
66 Pyridine	50.0000	51.9971	4.0	50.0
67 N-Nitrosodimethylamine	50.0000	51.6124	3.2	50.0
87 Methyl methanesulfonate	50.0000	50.7278	1.5	50.0
185 2-Fluorophenol	50.0000	51.9100	3.8	50.0
184 Phenol-d5	50.0000	51.8436	3.7	50.0
1 Phenol	50.0000	52.6532	5.3	20.0
68 Aniline	50.0000	52.3225	4.6	50.0
2 bis(2-Chloroethyl) ether	50.0000	51.9765	4.0	50.0
187 2-Chlorophenol-d4	50.0000	51.4785	3.0	50.0
3 2-Chlorophenol	50.0000	51.3295	2.7	50.0
4 1,3-Dichlorobenzene	50.0000	51.9865	4.0	50.0
11 1,4-Dichlorobenzene-d4	40.0000	40.0000	0.0	50.0
5 1,4-Dichlorobenzene	50.0000	53.1185	6.2	20.0
69 Benzyl Alcohol	50.0000	51.3818	2.8	50.0
188 1,2-Dichlorobenzene-d4	50.0000	53.3865	6.8	50.0
6 1,2-Dichlorobenzene	50.0000	52.9496	5.9	50.0
7 2-Methylphenol	50.0000	51.0991	2.2	50.0
8 2,2'-oxybis(1-Chloropropane)	50.0000	51.5649	3.1	50.0
9 4-Methylphenol	50.0000	51.3389	2.7	50.0
18 N-Nitroso-di-n-propylamine	50.0000	49.4414	1.1	50.0
12 Hexachloroethane	50.0000	51.5835	3.2	50.0
181 Nitrobenzene-d5	50.0000	52.3585	4.7	50.0
13 Nitrobenzene	50.0000	53.2755	6.6	50.0
14 Isophorone	50.0000	52.3276	4.7	50.0
15 2-Nitrophenol	50.0000	53.1408	6.3	20.0
16 2,4-Dimethylphenol	50.0000	52.0425	4.1	50.0
17 bis(2-Chloroethoxy)methane	50.0000	51.8842	3.8	50.0
71 Benzoic Acid	50.0000	49.9042	0.2	50.0
18 2,4-Dichlorophenol	50.0000	52.7852	5.6	20.0
19 1,2,4-Trichlorobenzene	50.0000	54.0137	8.0	50.0
32 Naphthalene-d8	40.0000	40.0000	0.0	50.0
20 Naphthalene	50.0000	53.1706	6.3	50.0
21 4-Chloroaniline	50.0000	53.2861	6.6	50.0
22 Hexachlorobutadiene	50.0000	54.7794	9.6	20.0
23 4-Chloro-3-Methylphenol	50.0000	53.5032	7.0	20.0
24 2-Methylnaphthalene	50.0000	52.1587	4.3	50.0
72 1-Methylnaphthalene	50.0000	52.1701	4.3	50.0
25 Hexachlorocyclopentadiene	50.0000	52.5393	5.1	50.0
26 2,4,6-Trichlorophenol	50.0000	52.7761	5.6	20.0

Data File: \\Qp1tpa02\\D\\chem\\721.i\\d082100.b\\D0821000.D
Report Date: 08/21/2000

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: 721.i
Lab File ID: D0821CCC.D
Analysis Type: NONE

Injection Date: 21-AUG-2000 12:07
Lab Sample ID: sstd50
Method File: \\Qp1tpa02\\D\\chem\\721.i\\d082100.b

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
27 2,4,5-Trichlorophenol	50.0000	54.0613	8.1	50.0
182 2-Fluorobiphenyl	50.0000	54.1976	8.4	50.0
28 2-Chloronaphthalene	50.0000	54.5128	9.0	50.0
29 2-Nitroaniline	50.0000	52.3222	4.6	50.0
30 Dimethylphthalate	50.0000	52.9346	5.9	50.0
31 Acenaphthylene	50.0000	53.4860	7.0	50.0
32 2,6-Dinitrotoluene	50.0000	52.7692	5.5	50.0
33 3-Nitroaniline	50.0000	51.3366	2.7	50.0
52 Acenaphthene-d10	40.0000	40.0000	0.0	50.0
34 Acenaphthene	50.0000	52.8495	5.7	20.0
35 2,4-Dinitrophenol	50.0000	50.2355	0.5	50.0
36 4-Nitrophenol	50.0000	52.1481	4.3	50.0
37 Dibenzofuran	50.0000	53.1556	6.3	50.0
38 2,4-Dinitrotoluene	50.0000	52.6635	5.3	50.0
77 2,3,5,6-Tetrachlorophenol	50.0000	53.4160	6.8	50.0
114 2-Naphthylamine	50.0000	52.2862	4.6	50.0
76 2,3,4,6-Tetrachlorophenol	50.0000	53.9611	7.9	50.0
39 Diethylphthalate	50.0000	52.4402	4.9	50.0
41 Fluorene	50.0000	53.1220	6.2	50.0
40 4-Chlorophenyl-phenylether	50.0000	53.5031	7.0	50.0
42 4-Nitroaniline	50.0000	51.2262	2.5	50.0
43 4,6-Dinitro-2-methylphenol	50.0000	52.3433	4.7	50.0
44 N-Nitrosodiphenylamine (1)	50.0000	51.6589	3.3	20.0
78 1,2-Diphenylhydrazine	50.0000	52.7006	5.4	50.0
186 2,4,6-Tribromophenol	50.0000	55.5812	11.2	50.0
45 4-Bromophenyl-phenylether	50.0000	55.6298	11.3	50.0
46 Hexachlorobenzene	50.0000	55.1249	10.2	50.0
47 Pentachlorophenol	50.0000	53.2668	6.5	20.0
78 Phenanthrene-d10	40.0000	40.0000	0.0	50.0
48 Phenanthrene	50.0000	53.7205	7.4	50.0
49 Anthracene	50.0000	54.8948	9.8	50.0
50 Carbazole	50.0000	53.6719	7.3	50.0
51 Di-n-Butylphthalate	50.0000	54.1510	8.3	50.0
52 Fluoranthene	50.0000	54.0546	8.1	20.0
79 Benzidine	50.0000	54.0417	8.1	50.0
53 Pyrene	50.0000	52.6016	5.2	50.0
183 Terphenyl-d14	50.0000	52.4404	4.9	50.0
54 Butylbenzylphthalate	50.0000	51.3340	2.7	50.0
56 Benzo(a)Anthracene	50.0000	50.7888	1.6	50.0

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\d0821000.D
 Report Date: 08/21/2000

CONTINUING CALIBRATION COMPOUNDS
 PERCENT DRIFT REPORT

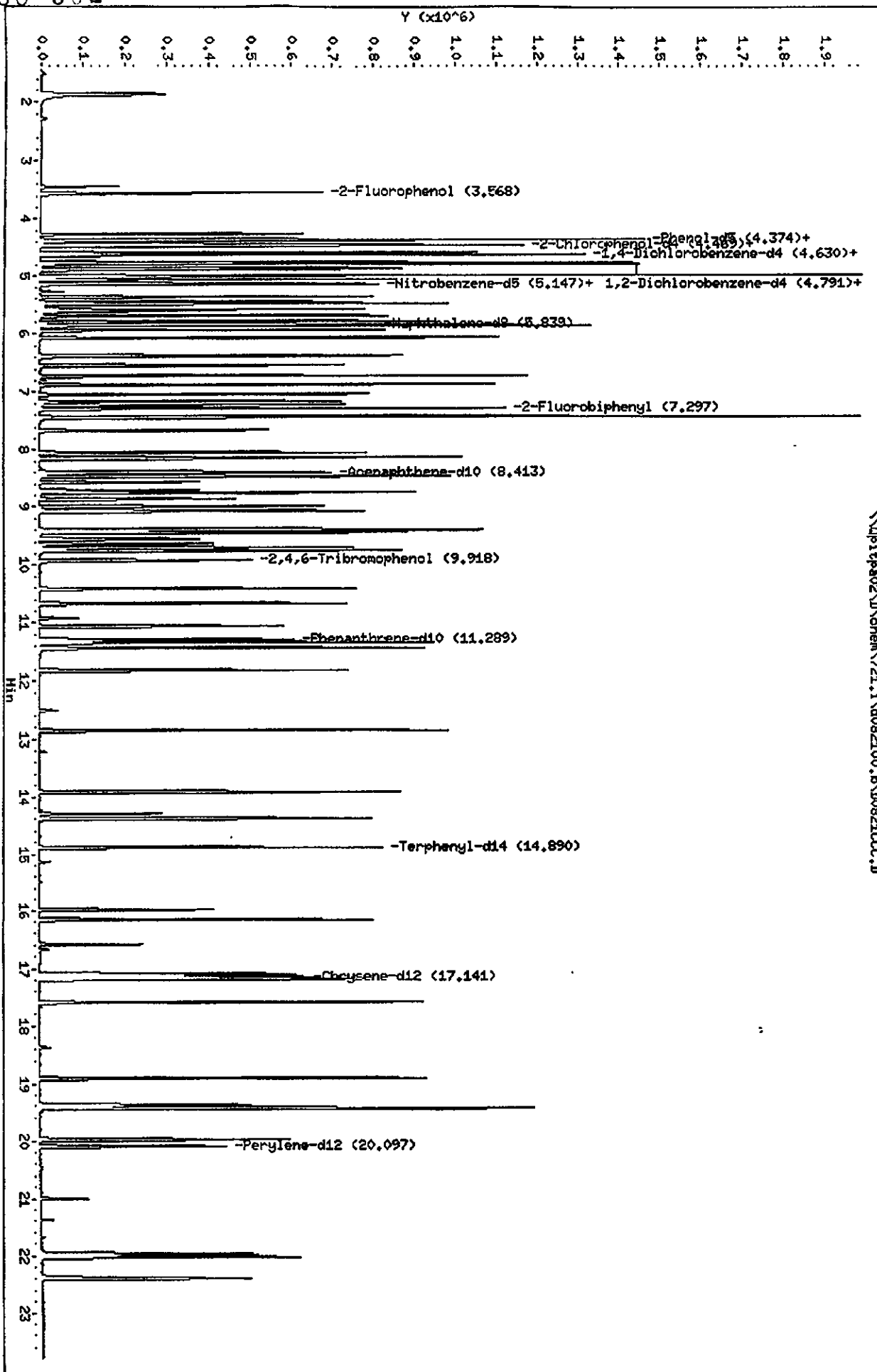
Instrument ID: 721.i
 Lab File ID: D0821CCC.D
 Analysis Type: NONE

Injection Date: 21-AUG-2000 12:07
 Lab Sample ID: sstd50
 Method File: \\Qpitpa02\D\chem\721.i\d082100.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	52.8438	5.7	50.0
57 Chrysene	50.0000	51.3556	2.7	50.0
58 bis(2-ethylhexyl)Phthalate	50.0000	50.3970	0.8	50.0
59 Di-n-octylphthalate	50.0000	46.6956	6.6	20.0
60 Benzo(b)fluoranthene	50.0000	44.6750	10.6	50.0
61 Benzo(k)fluoranthene	50.0000	56.8491	13.7	50.0
143 7,12-dimethylbenz(a)anthracen	50.0000	49.0930	1.8	50.0
62 Benzo(a)pyrene	50.0000	50.6869	1.4	20.0
101 Perylene-d12	40.0000	40.0000	0.0	50.0
63 Indeno(1,2,3-cd)pyrene	50.0000	49.5953	0.8	50.0
64 Dibenz(a,h)anthracene	50.0000	50.9247	1.8	50.0
65 Benzo(g,h,i)perylene	50.0000	53.1115	6.2	50.0

Data File: \\np1p202\chem\721.1\4082100.b\40821000.D
 Date: 21-AUG-2000 12:07
 Client ID: SST050
 Sample Info: sst050 (28UG/ML) 194-183-7 8270/01p/625
 Column Phase: HP5-MS

Instrument: 721.1
 Operator: 001562, BLF
 Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d082100.b\D0821CCC.D
Lab Smp Id: sstd50 Client Smp ID: SSTD050
Inj Date : 21-AUG-2000 12:07
Operator : 001562, DLF Inst ID: 721.i
Smp Info : sstd050 (25UG/ML) 194-183-7 8270/clp/625
Misc Info : sstd50,d082100.b,8270c.m,3-root.sub,2
Comment :
Method : \\Qpitpa02\D\chem\721.i\d082100.b\8270c.m
Meth Date : 21-Aug-2000 13:08 ferguson Quant Type: ISTD
Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC013

DL
8-21-00

Compound Sublist: 3-root.sub

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(NG)	(NG)
*****	----	----	----	-----	-----	-----	-----	-----
* 1 1,4-Dichlorobenzene-d4		152	4.616	4.616	(1.000)	141728	40.0000	
* 2 Naphthalene-d8		136	5.839	5.839	(1.000)	471489	40.0000	
* 3 Acenaphthene-d10		164	8.412	8.412	(1.000)	256912	40.0000	
* 4 Phenanthrene-d10		188	11.288	11.288	(1.000)	459169	40.0000	
* 5 Chrysene-d12		240	17.134	17.134	(1.000)	377055	40.0000	
* 6 Perylene-d12		264	20.104	20.104	(1.000)	315036	40.0000	
10 N-Nitrosodimethylamine		74	1.874	1.874	(0.406)	116465	50.0000	51.612
9 Pyridine		79	1.861	1.861	(0.403)	179018	50.0000	51.997
16 Methyl methanesulfonate		80	3.447	3.447	(0.747)	86769	50.0000	50.728
21 Aniline		93	4.387	4.387	(0.951)	292432	50.0000	52.322
22 Phenol		94	4.374	4.374	(0.948)	309750	50.0000	52.653
23 bis(2-Chloroethyl) ether		93	4.441	4.441	(0.962)	228555	50.0000	51.976
24 2-Chlorophenol		128	4.475	4.475	(0.969)	250020	50.0000	51.330
26 1,3-Dichlorobenzene		146	4.589	4.589	(0.994)	268868	50.0000	51.986
27 1,4-Dichlorobenzene		146	4.629	4.629	(1.003)	279961	50.0000	53.118
28 1,2-Dichlorobenzene		146	4.791	4.791	(1.038)	257366	50.0000	52.950
29 Benzyl Alcohol		108	4.757	4.757	(1.031)	165539	50.0000	51.382
30 2-Methylphenol		108	4.864	4.864	(1.054)	207384	50.0000	51.099
31 2,2'-oxybis(1-Chloropropane)		45	4.891	4.891	(1.060)	290340	50.0000	51.565
32 N-Nitroso-di-n-propylamine		70	5.019	5.019	(1.087)	144631	50.0000	49.441
192 4-Methylphenol		108	4.992	4.992	(1.082)	220701	50.0000	51.339
34 Hexachloroethane		117	5.066	5.066	(1.098)	119379	50.0000	51.584
35 Nitrobenzene		77	5.153	5.153	(0.883)	242886	50.0000	53.276
41 Isophorone		82	5.375	5.375	(0.921)	402356	50.0000	52.328

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)
-----	----	--	-----	-----	-----	-----	-----
44 bis (2-Chloroethoxy) methane	93	5.590	5.590	(0.957)	245959	50.0000	51.884
48 2,4-Dichlorophenol	162	5.698	5.698	(0.976)	194205	50.0000	52.785
49 Benzoic Acid	122	5.637	5.637	(0.965)	140783	50.0000	49.904
50 1,2,4-Trichlorobenzene	180	5.792	5.792	(0.992)	222072	50.0000	54.014
51 Naphthalene	128	5.866	5.866	(1.005)	644062	50.0000	53.171
52 4-Chloroaniline	127	5.940	5.940	(1.017)	265991	50.0000	53.286
56 Hexachlorobutadiene	225	6.067	6.067	(1.039)	139011	50.0000	54.779
59 4-Chloro-3-Methylphenol	107	6.544	6.544	(1.121)	193405	50.0000	53.503
62 2-Methylnaphthalene	142	6.726	6.726	(1.152)	402142	50.0000	52.159
63 1-Methylnaphthalene	142	6.880	6.880	(1.178)	371207	50.0000	52.170
64 Hexachlorocyclopentadiene	237	7.048	7.048	(0.838)	161395	50.0000	52.539
66 2,4,6-Trichlorophenol	196	7.176	7.176	(0.853)	141137	50.0000	52.776
67 2,4,5-Trichlorophenol	196	7.230	7.230	(0.859)	150522	50.0000	54.061
70 2-Chloronaphthalene	162	7.445	7.445	(0.885)	401892	50.0000	54.513
73 2-Nitroaniline	65	7.666	7.666	(0.911)	128982	50.0000	52.322
76 Dimethylphthalate	163	8.056	8.056	(0.958)	470529	50.0000	52.935
78 2,6-Dinitrotoluene	165	8.164	8.164	(0.970)	113292	50.0000	52.769
79 Acenaphthylene	152	8.137	8.137	(0.967)	588477	50.0000	53.486
81 3-Nitroaniline	138	8.392	8.392	(0.998)	118872	50.0000	51.337
82 Acenaphthene	153	8.473	8.473	(1.007)	357588	50.0000	52.849
83 2,4-Dinitrophenol	184	8.567	8.567	(1.018)	80863	50.0000	50.236
85 4-Nitrophenol	109	8.721	8.721	(1.037)	89574	50.0000	52.148
86 Dibenzofuran	168	8.762	8.762	(1.042)	553601	50.0000	53.156
87 2,4-Dinitrotoluene	165	8.869	8.869	(1.054)	152403	50.0000	52.663
91 2,3,5,6-Tetrachlorophenol	232	8.997	8.997	(1.069)	132497	50.0000	53.416
88 2,3,4,6-Tetrachlorophenol	232	9.084	9.084	(1.080)	127588	50.0000	53.961
92 2-Naphthylamine	143	9.057	9.057	(1.077)	244593	50.0000	52.286
93 Diethylphthalate	149	9.393	9.393	(1.117)	485171	50.0000	52.440
94 Fluorene	166	9.413	9.413	(1.119)	436008	50.0000	53.122
95 4-Chlorophenyl-phenylether	204	9.447	9.447	(1.123)	215655	50.0000	53.503
96 4-Nitroaniline	138	9.561	9.561	(1.137)	114803	50.0000	51.226
98 4,6-Dinitro-2-methylphenol	198	9.642	9.642	(0.854)	100264	50.0000	52.343
99 N-Nitrosodiphenylamine (1)	169	9.702	9.702	(0.860)	300022	50.0000	51.659
100 1,2-Diphenylhydrazine	77	9.756	9.756	(0.864)	473636	50.0000	52.700
106 4-Bromophenyl-phenylether	248	10.415	10.415	(0.923)	135541	50.0000	55.630
107 Hexachlorobenzene	284	10.677	10.677	(0.946)	172632	50.0000	55.125
111 Pentachlorophenol	266	11.060	11.060	(0.980)	111825	50.0000	53.267
115 Phenanthrene	178	11.342	11.342	(1.005)	609359	50.0000	53.720
116 Anthracene	178	11.436	11.436	(1.013)	621327	50.0000	54.895
119 Carbazole	167	11.826	11.826	(1.048)	534810	50.0000	53.672
120 Di-n-Butylphthalate	149	12.860	12.860	(1.139)	768205	50.0000	54.151
123 Fluoranthene	202	13.922	13.922	(1.233)	608014	50.0000	54.055
124 Benzidine	184	14.305	14.305	(0.835)	192608	50.0000	54.042
125 Pyrene	202	14.392	14.392	(0.840)	592886	50.0000	52.602
131 Butylbenzylphthalate	149	16.166	16.166	(0.944)	307128	50.0000	51.334
135 3,3'-Dichlorobenzidine	252	17.167	17.167	(1.002)	220021	50.0000	52.844
136 Benzo (a) Anthracene	228	17.100	17.100	(0.998)	511814	50.0000	50.789

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821CCC.D
 Report Date: 21-Aug-2000 13:08

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (NG)
-----	----	--	-----	-----	-----	-----	-----
137 Chrysene	228	17.194	17.194	(1.004)	455554	50.0000	51.356
139 bis(2-ethylhexyl) Phthalate	149	17.591	17.591	(1.027)	406452	50.0000	50.397
140 Di-n-octylphthalate	149	18.908	18.908	(0.941)	704083	50.0000	46.696
141 Benzo(b)fluoranthene	252	19.378	19.378	(0.964)	504066	50.0000	44.675
142 Benzo(k)fluoranthene	252	19.432	19.432	(0.967)	525876	50.0000	56.849
143 7,12-dimethylbenz[a]anthracen	256	19.445	19.445	(0.967)	238177	50.0000	49.093
146 Benzo(a)pyrene	252	19.989	19.989	(0.994)	455332	50.0000	50.687
149 Indeno(1,2,3-cd)pyrene	276	21.978	21.978	(1.093)	473293	50.0000	49.595
150 Dibenz(a,h)anthracene	278	22.025	22.025	(1.096)	475291	50.0000	50.925
151 Benzo(g,h,i)perylene	276	22.388	22.388	(1.114)	460075	50.0000	53.111
\$ 154 Nitrobenzene-d5	82	5.133	5.133	(0.879)	243308	50.0000	52.358
\$ 155 2-Fluorobiphenyl	172	7.297	7.297	(0.867)	453699	50.0000	54.198
\$ 156 Terphenyl-d14	244	14.890	14.890	(0.869)	475368	50.0000	52.440
\$ 157 Phenol-d5	99	4.367	4.367	(0.946)	295743	50.0000	51.844
\$ 158 2-Fluorophenol	112	3.568	3.568	(0.773)	249010	50.0000	51.910
\$ 159 2,4,6-Tribromophenol	330	9.924	9.924	(0.879)	101541	50.0000	55.581
\$ 186 2-Chlorophenol-d4	132	4.461	4.461	(0.967)	230391	50.0000	51.478
\$ 187 1,2-Dichlorobenzene-d4	152	4.784	4.784	(1.036)	170277	50.0000	53.386

668 306

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0415046

Instrument ID: 722

Calibration Date: 08/28/00 Time: 0741

Lab File ID: F08280C1

Init. Calib. Date(s): 08/25/00 08/25/00

Init. Calib. Times: 1231 1447

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.431	1.409	0.01	1.5	20.0
bis(2-Chloroethyl) ether	1.042	1.104	0.01	6.0	50.0
2-Chlorophenol	1.234	1.292	0.01	4.7	50.0
1,3-Dichlorobenzene	1.473	1.491	0.01	1.2	50.0
1,4-Dichlorobenzene	1.514	1.532	0.01	1.2	20.0
1,2-Dichlorobenzene	1.378	1.435	0.01	4.1	50.0
2-Methylphenol	1.019	1.086	0.01	6.6	50.0
2,2'-oxybis(1-Chloropropane)	0.972	1.072	0.01	10.3	50.0
4-Methylphenol	1.082	1.175	0.01	8.6	50.0
Hexachloroethane	0.583	0.610	0.01	4.6	50.0
Nitrobenzene	0.355	0.356	0.01	0.3	50.0
Isophorone	0.547	0.566	0.01	3.5	50.0
2-Nitrophenol	0.187	0.195	0.01	4.3	20.0
2,4-Dimethylphenol	0.344	0.357	0.01	3.8	50.0
bis(2-Chloroethoxy) methane	0.323	0.337	0.01	4.3	50.0
N-Nitroso-di-n-propylamine	0.740	0.827	0.05	11.8	50.0
2,4-Dichlorophenol	0.282	0.292	0.01	3.5	20.0
1,2,4-Trichlorobenzene	0.331	0.329	0.01	0.6	50.0
Naphthalene	1.016	1.030	0.01	1.4	50.0
4-Chloroaniline	0.382	0.390	0.01	2.1	50.0
Hexachlorobutadiene	0.220	0.211	0.01	4.1	20.0
4-Chloro-3-Methylphenol	0.303	0.323	0.01	6.6	20.0
2-Methylnaphthalene	0.705	0.709	0.01	0.6	50.0
Hexachlorocyclopentadiene	0.426	0.414	0.05	2.8	50.0
2,4,6-Trichlorophenol	0.361	0.369	0.01	2.2	20.0
2,4,5-Trichlorophenol	0.381	0.384	0.01	0.8	50.0
2-Chloronaphthalene	1.134	1.117	0.01	1.5	50.0
2-Nitroaniline	0.308	0.324	0.01	5.2	50.0
Dimethylphthalate	1.316	1.381	0.01	4.9	50.0
Acenaphthylene	1.720	1.734	0.01	0.8	50.0
2,6-Dinitrotoluene	0.281	0.300	0.01	6.8	50.0
3-Nitroaniline	0.299	0.331	0.01	10.7	50.0
Acenaphthene	1.083	1.094	0.01	1.0	20.0
2,4-Dinitrophenol	0.131	0.159	0.05	21.4	50.0
4-Nitrophenol	0.264	0.259	0.05	1.9	50.0
Dibenzofuran	1.631	1.646	0.01	0.9	50.0
2,4-Dinitrotoluene	0.398	0.430	0.01	8.0	50.0

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 60415046

Instrument ID: 722

Calibration Date: 08/28/00 Time: 0741

Lab File ID: F08280C1

Init. Calib. Date(s): 08/25/00 08/25/00

Init. Calib. Times: 1231 1447

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.407	1.458	0.01	3.6	50.0
4-Chlorophenyl-phenylether	0.657	0.666	0.01	1.4	50.0
Fluorene	1.315	1.341	0.01	2.0	50.0
4-Nitroaniline	0.305	0.327	0.01	7.2	50.0
4,6-Dinitro-2-methylphenol	0.108	0.129	0.01	19.4	50.0
N-Nitrosodiphenylamine	0.490	0.503	0.01	2.6	20.0
4-Bromophenyl-phenylether	0.195	0.194	0.01	0.5	50.0
Hexachlorobenzene	0.204	0.205	0.01	0.5	50.0
Pentachlorophenol	0.085	0.072	0.05	15.3	20.0
Phenanthrene	0.978	1.021	0.01	4.4	50.0
Anthracene	0.983	1.038	0.01	5.6	50.0
Carbazole	0.859	0.955	0.01	11.2	50.0
Di-n-Butylphthalate	1.141	1.226	0.01	7.4	50.0
Fluoranthene	1.020	1.040	0.01	2.0	20.0
Pyrene	1.207	1.701	0.01	40.9	50.0
Butylbenzylphthalate	0.562	0.614	0.01	9.2	50.0
3,3'-Dichlorobenzidine	0.432	0.418	0.01	3.2	50.0
Benzo (a) Anthracene	1.120	1.040	0.01	7.1	50.0
Chrysene	0.947	0.948	0.01	0.1	50.0
bis(2-ethylhexyl) Phthalate	0.656	0.772	0.01	17.7	50.0
Di-n-octylphthalate	1.713	1.852	0.01	8.1	20.0
Benzo (b) fluoranthene	1.402	1.226	0.01	12.6	50.0
Benzo (k) fluoranthene	1.373	1.398	0.01	1.8	50.0
Benzo (a) pyrene	1.237	1.132	0.01	8.5	20.0
Indeno (1,2,3-cd) pyrene	1.325	1.328	0.01	0.2	50.0
Dibenz (a,h) anthracene	1.177	1.175	0.01	0.2	50.0
Benzo (g,h,i) perylene	1.127	1.098	0.01	2.6	50.0
Pyridine	0.524	0.617	0.01	17.7	50.0
N-Nitrosodimethylamine	0.318	0.389	0.01	22.3	50.0
Aniline	1.393	1.354	0.01	2.8	50.0
Benzyl Alcohol	0.819	0.865	0.01	5.6	50.0
Benzoic Acid	0.154	0.203	0.01	31.8	50.0
2,3,4,6-Tetrachlorophenol	0.307	0.294	0.01	4.2	50.0
2,3,5,6-Tetrachlorophenol	0.314	0.299	0.01	4.8	50.0
1,2-Diphenylhydrazine	0.653	0.648	0.01	0.8	50.0
Benzidine	0.396	0.523	0.01	32.1	50.0
Methyl methanesulfonate	0.400	0.363	0.01	9.2	50.0

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SEMI-VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.:

CUH150146

Instrument ID: 722

Calibration Date: 08/28/00 Time: 0741

Lab File ID: F08280C1

Init. Calib. Date(s): 08/25/00 08/25/00

Init. Calib. Times: 1231 1447

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
7,12-dimethylbenz[a]anthracene	0.651	0.654	0.01	0.5	50.0
1-Methylnaphthalene	0.647	0.665	0.01	2.8	50.0
=====	=====	=====	=====	=====	=====
Nitrobenzene-d5	0.355	0.354	0.01	0.3	50.0
2-Fluorobiphenyl	1.280	1.260	0.01	1.6	50.0
Terphenyl-d14	0.984	1.282	0.01	30.3	50.0
Phenol-d5	1.330	1.363	0.01	2.5	50.0
2-Fluorophenol	1.027	1.031	0.01	0.4	50.0
2,4,6-Tribromophenol	0.088	0.089	0.01	1.1	50.0
2-Chlorophenol-d4	1.146	1.194	0.01	4.2	50.0
1,2-Dichlorobenzene-d4	0.901	0.933	0.01	3.6	50.0

Report Date: 08/28/2000

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORTInstrument ID: 722.i
Lab File ID: F08280C1.D
Analysis Type: NONEInjection Date: 28-AUG-2000 07:41
Lab Sample ID: sstd050
Method File: \\QPITPA02\D\chem\722.i\082800.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
67 N-Nitrosodimethylamine	50.0000	61.1695	22.3	50.0
66 Pyridine	50.0000	58.9455	17.9	50.0
87 Methyl methanesulfonate	50.0000	45.4384	9.1	50.0
185 2-Fluorophenol	50.0000	50.2283	0.5	50.0
68 Aniline	50.0000	48.6303	2.7	50.0
184 Phenol-d5	50.0000	51.2153	2.4	50.0
2 bis(2-Chloroethyl)ether	50.0000	53.0011	6.0	50.0
1 Phenol	50.0000	49.2096	1.6	20.0
187 2-Chlorophenol-d4	50.0000	52.0991	4.2	50.0
3 2-Chlorophenol	50.0000	52.3476	4.7	50.0
4 1,3-Dichlorobenzene	50.0000	50.5902	1.2	50.0
11 1,4-Dichlorobenzene-d4	40.0000	40.0000	0.0	50.0
5 1,4-Dichlorobenzene	50.0000	50.6098	1.2	20.0
69 Benzyl Alcohol	50.0000	52.8193	5.6	50.0
188 1,2-Dichlorobenzene-d4	50.0000	51.8049	3.6	50.0
6 1,2-Dichlorobenzene	50.0000	52.0771	4.2	50.0
8 2,2'-oxybis(1-Chloropropane)	50.0000	55.1762	10.4	50.0
7 2-Methylphenol	50.0000	53.2767	6.6	50.0
18 N-Nitroso-di-n-propylamine	50.0000	55.8605	11.7	50.0
9 4-Methylphenol	50.0000	54.2860	8.6	50.0
12 Hexachloroethane	50.0000	52.3664	4.7	50.0
181 Nitrobenzene-d5	50.0000	49.9752	0.0	50.0
13 Nitrobenzene	50.0000	50.1857	0.4	50.0
14 Isophorone	50.0000	51.7879	3.6	50.0
15 2-Nitrophenol	50.0000	52.1803	4.4	20.0
16 2,4-Dimethylphenol	50.0000	51.8223	3.6	50.0
17 bis(2-Chloroethoxy)methane	50.0000	52.1766	4.4	50.0
71 Benzoic Acid	50.0000	65.9950	32.0	50.0
18 2,4-Dichlorophenol	50.0000	51.9151	3.8	20.0
19 1,2,4-Trichlorobenzene	50.0000	49.7138	0.6	50.0
32 Naphthalene-d8	40.0000	40.0000	0.0	50.0
20 Naphthalene	50.0000	50.6846	1.4	50.0
21 4-Chloroaniline	50.0000	51.0721	2.1	50.0
22 Hexachlorobutadiene	50.0000	47.9656	4.1	20.0
23 4-Chloro-3-Methylphenol	50.0000	53.4207	6.8	20.0
24 2-Methylnaphthalene	50.0000	50.2716	0.5	50.0
205 1-Methylnaphthalene	50.0000	51.4371	2.9	50.0
25 Hexachlorocyclopentadiene	50.0000	48.6058	2.8	50.0
26 2,4,6-Trichlorophenol	50.0000	51.1605	2.3	20.0

CONTINUING CALIBRATION COMPOUNDS PERCENT DRIFT REPORT

Instrument ID: 722.i
Lab File ID: F08280C1.D
Analysis Type: NONE

Injection Date: 28-AUG-2000 07:41
Lab Sample ID: sstd050
Method File: \\QPITPA02\D\chem\722.i\082800.b\

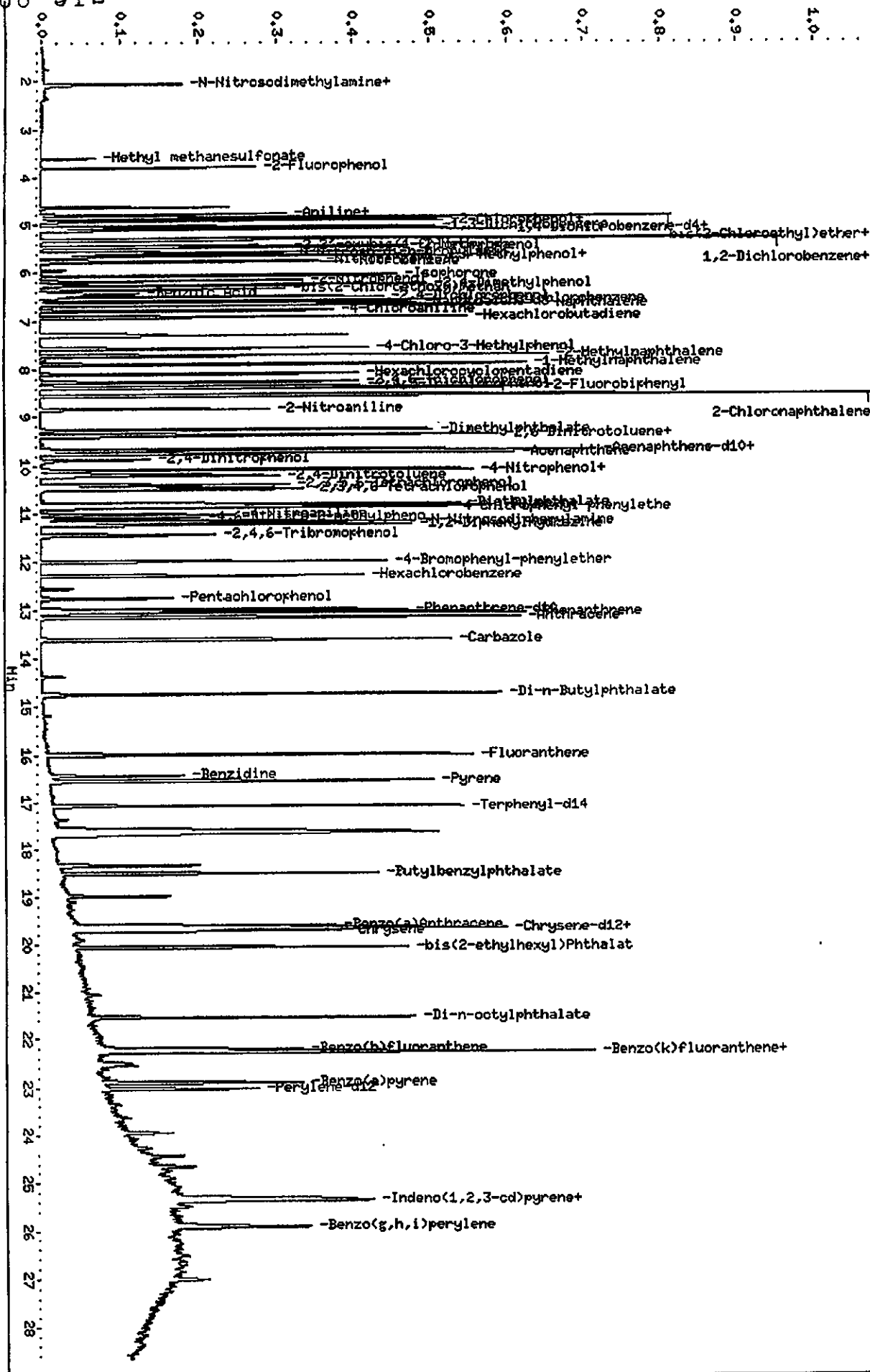
COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
27 2,4,5-Trichlorophenol	50.0000	50.3973	0.8	50.0
182 2-Fluorobiphenyl	50.0000	49.2055	1.6	50.0
28 2-Chloronaphthalene	50.0000	49.2496	1.5	50.0
29 2-Nitroaniline	50.0000	52.5667	5.1	50.0
30 Dimethylphthalate	50.0000	52.4805	5.0	50.0
31 Acenaphthylene	50.0000	50.3925	0.8	50.0
32 2,6-Dinitrotoluene	50.0000	53.2580	6.5	50.0
33 3-Nitroaniline	50.0000	55.3245	10.6	50.0
52 Acenaphthene-d10	40.0000	40.0000	0.0	50.0
34 Acenaphthene	50.0000	50.5138	1.0	20.0
35 2,4-Dinitrophenol	50.0000	60.6647	21.3	50.0
37 Dibenzofuran	50.0000	50.4449	0.9	50.0
36 4-Nitrophenol	50.0000	48.9928	2.0	50.0
38 2,4-Dinitrotoluene	50.0000	54.0560	8.1	50.0
77 2,3,5,6-Tetrachlorophenol	50.0000	47.6671	4.7	50.0
76 2,3,4,6-Tetrachlorophenol	50.0000	48.0036	4.0	50.0
39 Diethylphthalate	50.0000	51.8242	3.6	50.0
41 Fluorene	50.0000	51.0031	2.0	50.0
40 4-Chlorophenyl-phenylether	50.0000	50.7292	1.5	50.0
42 4-Nitroaniline	50.0000	53.5279	7.1	50.0
43 4,6-Dinitro-2-methylphenol	50.0000	59.5420	19.1	50.0
44 N-Nitrosodiphenylamine	50.0000	51.3021	2.6	20.0
78 1,2-Diphenylhydrazine	50.0000	49.6235	0.8	50.0
186 2,4,6-Tribromophenol	50.0000	50.0729	0.1	50.0
45 4-Bromophenyl-phenylether	50.0000	49.7682	0.5	50.0
46 Hexachlorobenzene	50.0000	50.3220	0.6	50.0
47 Pentachlorophenol	50.0000	42.1191	15.8	20.0
78 Phenanthrene-d10	40.0000	40.0000	0.0	50.0
48 Phenanthrene	50.0000	52.2234	4.4	50.0
49 Anthracene	50.0000	52.8155	5.6	50.0
50 Carbazole	50.0000	55.5728	11.1	50.0
51 Di-n-Butylphthalate	50.0000	53.7329	7.5	50.0
52 Fluoranthene	50.0000	50.9638	1.9	20.0
79 Benzidine	50.0000	66.0207	32.0	50.0
53 Pyrene	50.0000	70.4859	41.0	50.0
183 Terphenyl-d14	50.0000	65.1502	30.3	50.0
54 Butylbenzylphthalate	50.0000	54.6183	9.2	50.0
56 Benzo(a)Anthracene	50.0000	46.4063	7.2	50.0
90 Chrysene-d12	40.0000	40.0000	0.0	50.0

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORTInstrument ID: 722.i
Lab File ID: F08280C1.D
Analysis Type: NONEInjection Date: 28-AUG-2000 07:41
Lab Sample ID: sstd050
Method File: \\QPITPA02\D\chem\722.i\082800.b\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
55 3,3'-Dichlorobenzidine	50.0000	48.4176	3.2	50.0
57 Chrysene	50.0000	50.0581	0.1	50.0
58 bis(2-ethylhexyl)Phthalate	50.0000	58.8347	17.7	50.0
59 Di-n-octylphthalate	50.0000	54.0506	8.1	20.0
60 Benzo(b)fluoranthene	50.0000	43.7177	12.6	50.0
61 Benzo(k)fluoranthene	50.0000	50.9190	1.8	50.0
143 7,12-dimethylbenz(a)anthracen	50.0000	50.1815	0.4	50.0
62 Benzo(a)pyrene	50.0000	45.7813	8.4	20.0
101 Perylene-d12	40.0000	40.0000	0.0	50.0
63 Indeno(1,2,3-cd)pyrene	50.0000	50.1260	0.3	50.0
64 Dibenz(a,h)anthracene	50.0000	49.9069	0.2	50.0
65 Benzo(g,h,i)perylene	50.0000	48.7323	2.5	50.0

Data File: \\QPIITPA02\chem\722.1\082800.b\F08280C1.D
 Date: 28-JUL-2000 07:41
 Client ID:
 Sample Info: SSTID050 (28ppb) 194-183-14
 Volume Injected (ul): 2.0
 Column phase: HP5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Data File: \\QPITPA02\D\chem\722.i\082800.b\F08280C1.D
Report Date: 28-Aug-2000 08:26

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082800.b\F08280C1.D
Lab Smp Id: sstd050 Client Smp ID: SSTD050
Inj Date : 28-AUG-2000 07:41
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD050 (25ppb) 194-183-14
Misc Info : sstd050,082800.b,8270b.m,2-root.sub,2,2
Comment :
Method : \\QPITPA02\D\chem\722.i\082800.b\8270b.m
Meth Date : 28-Aug-2000 08:26 bungardf Quant Type: ISTD
Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.04
Processing Host: PITPC083

AB
8/28/00

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(NG)	(NG)
* 1 1,4-Dichlorobenzene-d4		152	5.090	5.090 (1.000)	84014	40.0000		
* 2 Naphthalene-d8		136	6.640	6.640 (1.000)	324926	40.0000		
* 3 Acenaphthene-d10		164	9.685	9.685 (1.000)	203632	40.0000		
* 4 Phenanthrene-d10		188	13.002	13.002 (1.000)	406676	40.0000		
* 5 Chrysene-d12		240	19.653	19.653 (1.000)	238068	40.0000		
* 6 Perylene-d12		264	23.019	23.019 (1.000)	164335	40.0000		
10 N-Nitrosodimethylamine		74	2.061	2.061 (0.405)	40810	50.0000		61.2
9 Pyridine		79	2.067	2.067 (0.406)	64838	50.0000		58.9
16 Methyl methanesulfonate		80	3.605	3.605 (0.708)	38163	50.0000		45.4
21 Aniline		93	4.797	4.797 (0.942)	142254	50.0000		48.6
22 Phenol		94	4.861	4.861 (0.955)	147952	50.0000		49.2 (H)
23 bis(2-Chloroethyl) ether		93	4.855	4.855 (0.954)	115935	50.0000		53.0
24 2-Chlorophenol		128	4.930	4.930 (0.969)	135740	50.0000		52.3
26 1,3-Dichlorobenzene		146	5.053	5.053 (0.993)	156550	50.0000		50.6
27 1,4-Dichlorobenzene		146	5.106	5.106 (1.003)	160945	50.0000		50.6
28 1,2-Dichlorobenzene		146	5.320	5.320 (1.045)	150736	50.0000		52.1
29 Benzyl Alcohol		108	5.299	5.299 (1.041)	90799	50.0000		52.8
30 2-Methylphenol		108	5.480	5.480 (1.077)	114066	50.0000		53.3
31 2,2'-oxybis(1-Chloropropane)		45	5.448	5.448 (1.070)	112622	50.0000		55.2
32 N-Nitroso-di-n-propylamine		70	5.609	5.609 (1.102)	86831	50.0000		55.9
192 4-Methylphenol		108	5.646	5.646 (1.109)	123397	50.0000		54.3
34 Hexachloroethane		117	5.662	5.662 (1.112)	64072	50.0000		52.4
35 Nitrobenzene		77	5.774	5.774 (0.870)	144643	50.0000		50.2
41 Isophorone		82	6.057	6.057 (0.912)	230083	50.0000		51.8
42 2-Nitrophenol		139	6.164	6.164 (0.928)	79379	50.0000		52.2
43 2,4-Dimethylphenol		107	6.255	6.255 (0.942)	144961	50.0000		51.8

668-314

Report Date: 28-Aug-2000 08:26

AMOUNTS

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (NG)	ON-COL (NG)
-----	----	--	-----	-----	-----	-----	-----
44 bis(2-Chloroethoxy)methane	93	6.341	6.341	(0.955)	136763	50.0000	52.2
48 2,4-Dichlorophenol	162	6.501	6.501	(0.979)	118629	50.0000	51.9
49 Benzoic Acid	122	6.437	6.437	(0.969)	82618	50.0000	66.0
50 1,2,4-Trichlorobenzene	180	6.581	6.581	(0.991)	133810	50.0000	49.7
51 Naphthalene	128	6.666	6.666	(1.004)	418473	50.0000	50.7
52 4-Chloroaniline	127	6.784	6.784	(1.022)	158423	50.0000	51.1
56 Hexachlorobutadiene	225	6.917	6.917	(1.042)	85773	50.0000	48.0
59 4-Chloro-3-Methylphenol	107	7.564	7.564	(1.139)	131307	50.0000	53.4
62 2-Methylnaphthalene	142	7.708	7.708	(1.161)	288051	50.0000	50.3
205 1-Methylnaphthalene	142	7.890	7.890	(1.188)	270131	50.0000	51.4
64 Hexachlorocyclopentadiene	237	8.093	8.093	(0.836)	105302	50.0000	48.6
66 2,4,6-Trichlorophenol	196	8.269	8.269	(0.854)	93998	50.0000	51.2
67 2,4,5-Trichlorophenol	196	8.360	8.360	(0.863)	97826	50.0000	50.4
70 2-Chloronaphthalene	162	8.558	8.558	(0.884)	284263	50.0000	49.2
73 2-Nitroaniline	65	8.835	8.835	(0.912)	82364	50.0000	52.6
76 Dimethylphthalate	163	9.268	9.268	(0.957)	351597	50.0000	52.5
78 2,6-Dinitrotoluene	165	9.391	9.391	(0.970)	76346	50.0000	53.2
79 Acenaphthylene	152	9.370	9.370	(0.967)	441321	50.0000	50.4
81 3-Nitroaniline	138	9.679	9.679	(0.999)	84279	50.0000	55.3
82 Acenaphthene	153	9.749	9.749	(1.007)	278482	50.0000	50.5
83 2,4-Dinitrophenol	184	9.872	9.872	(1.019)	40396	50.0000	60.7
85 4-Nitrophenol	109	10.160	10.160	(1.049)	65833	50.0000	49.0 (H)
86 Dibenzofuran	168	10.085	10.085	(1.041)	418905	50.0000	50.4
87 2,4-Dinitrotoluene	165	10.208	10.208	(1.054)	109409	50.0000	54.0
91 2,3,5,6-Tetrachlorophenol	232	10.390	10.390	(1.073)	76190	50.0000	47.7
88 2,3,4,6-Tetrachlorophenol	232	10.486	10.486	(1.083)	74972	50.0000	48.0
93 Diethylphthalate	149	10.801	10.801	(1.115)	371260	50.0000	51.8
94 Fluorene	166	10.839	10.839	(1.119)	341392	50.0000	51.0
95 4-Chlorophenyl-phenylether	204	10.876	10.876	(1.123)	169615	50.0000	50.7
96 4-Nitroaniline	138	11.026	11.026	(1.138)	83251	50.0000	53.5
98 4,6-Dinitro-2-methylphenol	198	11.100	11.100	(0.854)	65481	50.0000	59.5
99 N-Nitrosodiphenylamine	169	11.175	11.175	(0.859)	255748	50.0000	51.3
100 1,2-Diphenylhydrazine	77	11.229	11.229	(0.864)	329246	50.0000	49.6
106 4-Bromophenyl-phenylether	248	11.987	11.987	(0.922)	98622	50.0000	49.8
107 Hexachlorobenzene	284	12.286	12.286	(0.945)	104426	50.0000	50.3
111 Pentachlorophenol	266	12.756	12.756	(0.981)	36378	50.0000	42.1
115 Phenanthrene	178	13.056	13.056	(1.004)	519088	50.0000	52.2
116 Anthracene	178	13.162	13.162	(1.012)	527848	50.0000	52.8
119 Carbazole	167	13.627	13.627	(1.048)	485366	50.0000	55.6
120 Di-n-Butylphthalate	149	14.744	14.744	(1.134)	623332	50.0000	53.7
123 Fluoranthene	202	15.999	15.999	(1.230)	528672	50.0000	51.0
124 Benzydine	184	16.437	16.437	(0.836)	155757	50.0000	66.0
125 Pyrene	202	16.544	16.544	(0.842)	506178	50.0000	70.5
131 Butylbenzylphthalate	149	18.494	18.494	(0.941)	182590	50.0000	54.6
135 3,3'-Dichlorobenzidine	252	19.664	19.664	(1.001)	124358	50.0000	48.4
136 Benzo(a)Anthracene	228	19.610	19.610	(0.998)	309463	50.0000	46.4
137 Chrysene	228	19.717	19.717	(1.003)	282251	50.0000	50.0

Data File: \Q5115802\5\CHRM\122.1\002000.1\002000.1
 Report Date: 28-Aug-2000 08:26

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(NG)	(NG)
-----	----	--	-----	-----	-----	-----	-----	
139 bis(2-ethylhexyl) Phthalate	149	20.064	20.064	(1.021)	229633	50.0000	58.8	
140 Di-n-octylphthalate	149	21.534	21.534	(0.935)	380455	50.0000	54.0	
141 Benzo(b)fluoranthene	252	22.196	22.196	(0.964)	251870	50.0000	43.7	
142 Benzo(k)fluoranthene	252	22.255	22.255	(0.967)	287174	50.0000	50.9	
143 7,12-dimethylbenz[a]anthracen	256	22.255	22.255	(0.967)	134336	50.0000	50.2	
146 Benzo(a)pyrene	252	22.890	22.890	(0.994)	232596	50.0000	45.8	
149 Indeno(1,2,3-cd)pyrene	276	25.305	25.305	(1.099)	272825	50.0000	50.1	
150 Dibenz(a,h)anthracene	278	25.353	25.353	(1.101)	241440	50.0000	49.9	
151 Benzo(g,h,i)perylene	276	25.909	25.909	(1.126)	225567	50.0000	48.7	
\$ 154 Nitrobenzene-d5	82	5.753	5.753	(0.866)	143996	50.0000	50.0	
\$ 155 2-Fluorobiphenyl	172	8.387	8.387	(0.866)	320761	50.0000	49.2	
\$ 156 Terphenyl-d14	244	17.078	17.078	(0.869)	381455	50.0000	65.2	
\$ 157 Phenol-d5	99	4.850	4.850	(0.953)	143132	50.0000	51.2	
\$ 158 2-Fluorophenol	112	3.808	3.808	(0.748)	108313	50.0000	50.2	
\$ 159 2,4,6-Tribromophenol	330	11.442	11.442	(0.880)	45067	50.0000	50.1	
\$ 186 2-Chlorophenol-d4	132	4.914	4.914	(0.965)	125424	50.0000	52.1	
\$ 187 1,2-Dichlorobenzene-d4	152	5.304	5.304	(1.042)	98013	50.0000	51.8	

QC Flag Legend

H - Operator selected an alternate compound hit.

668 316

**GC/MS SEMIVOLATILE
QC DATA**

Date : 18-AUG-2000 13:13

Client ID: DFTPP02

Instrument: 721.1

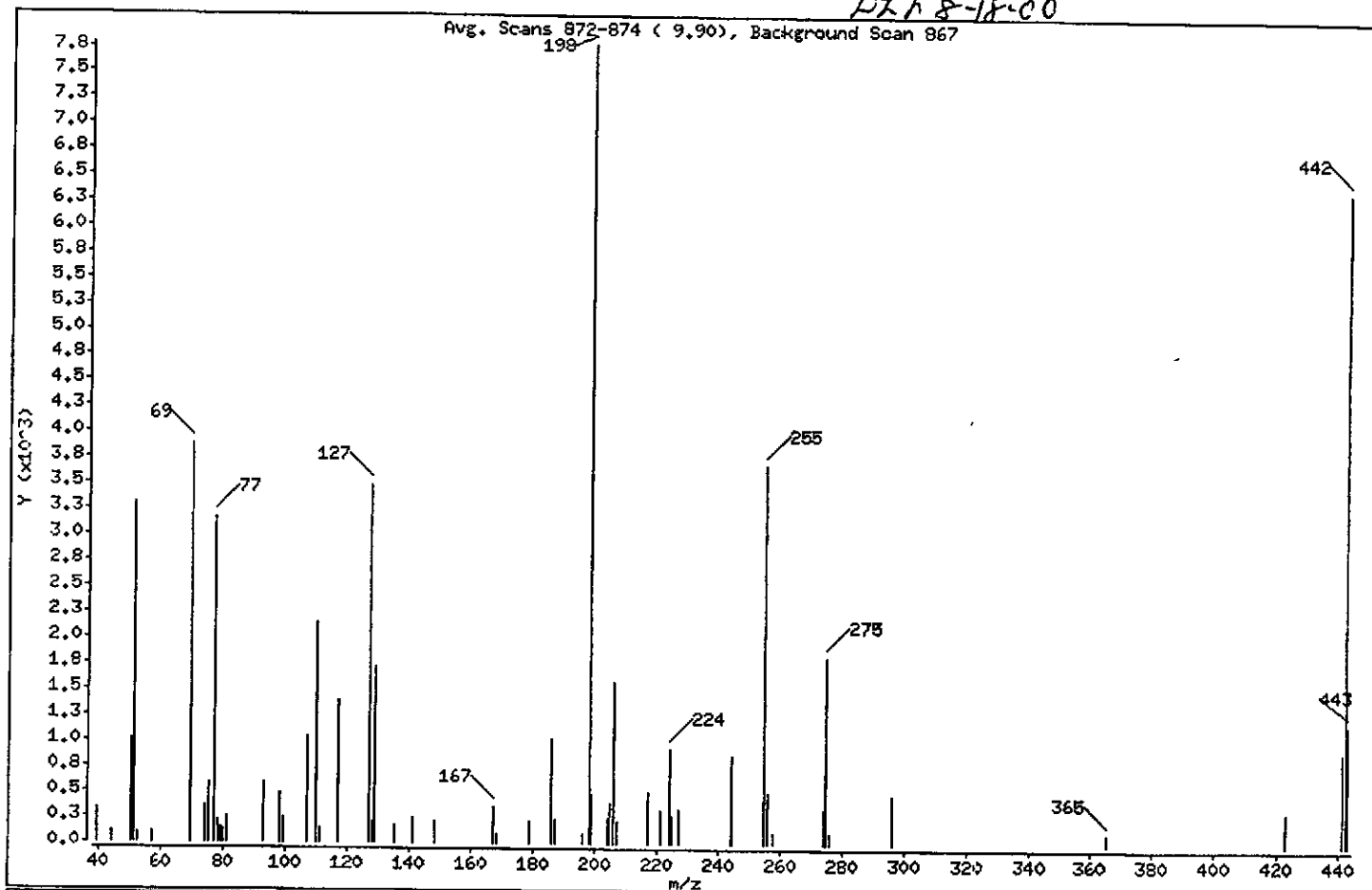
Sample Info: dftpp (25ug/ml) 194-175-8

Operator: 001562, DLF

Column phase:

Column diameter: 0.25

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	42.43
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	49.97
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	44.80
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.25
275	10.00 - 30.00% of mass 198	23.53
365	Greater than 1.00% of mass 198	1.31
441	Present, but less than mass 443	11.74
442	Greater than 40.00% of mass 198	82.09
443	17.00 - 23.00% of mass 442	15.10 (18.39)

Date : 25-AUG-2000 12:14

Client ID: DFTPP02

Instrument: 722.i

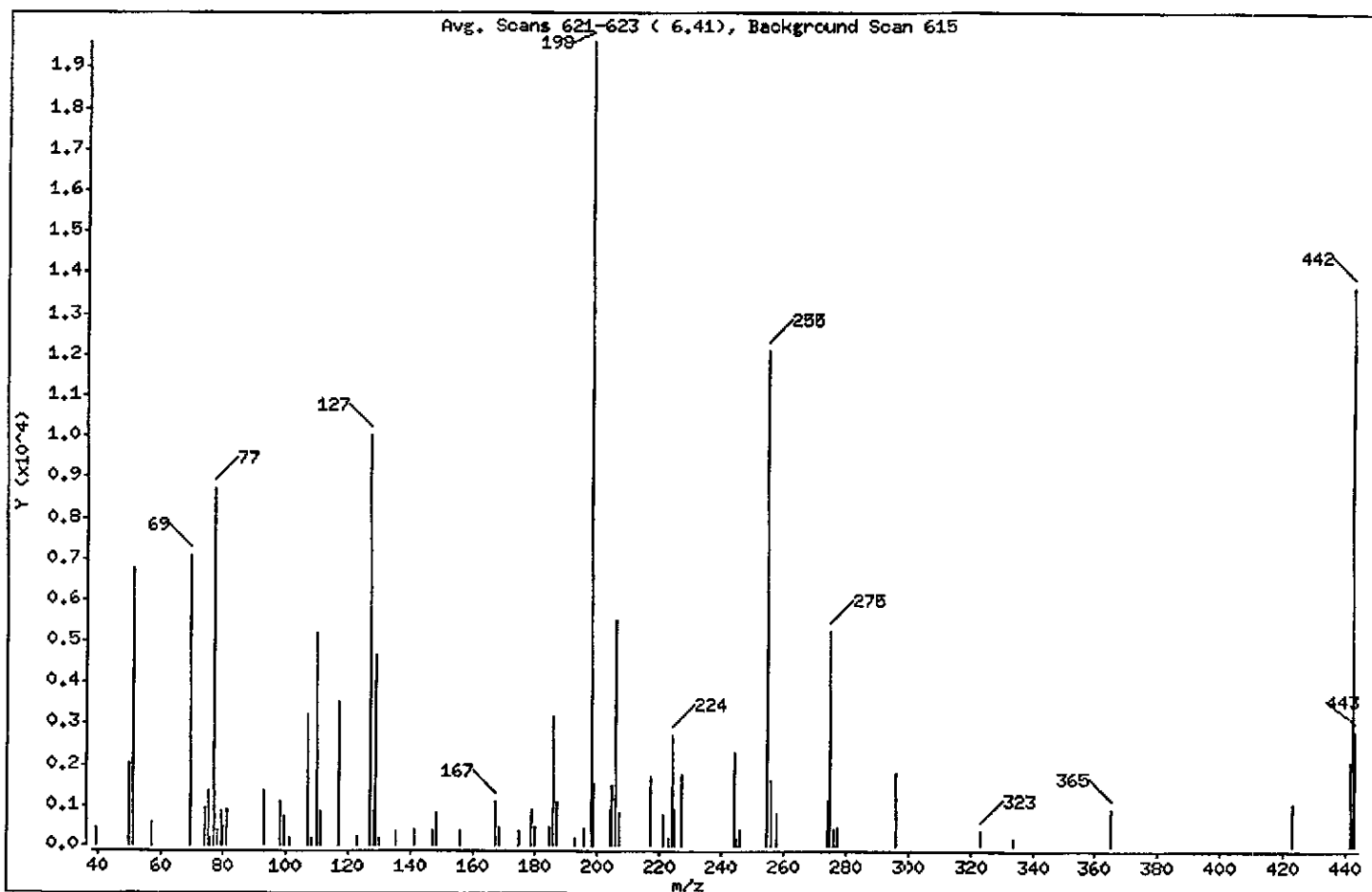
Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

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	34.51
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.01
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.01
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.73
275	10.00 - 30.00% of mass 198	26.77
365	Greater than 1.00% of mass 198	4.66
441	Present, but less than mass 443	10.59
442	40.00 - 100.00% of mass 198	69.49
443	17.00 - 23.00% of mass 442	14.26 (20.53)

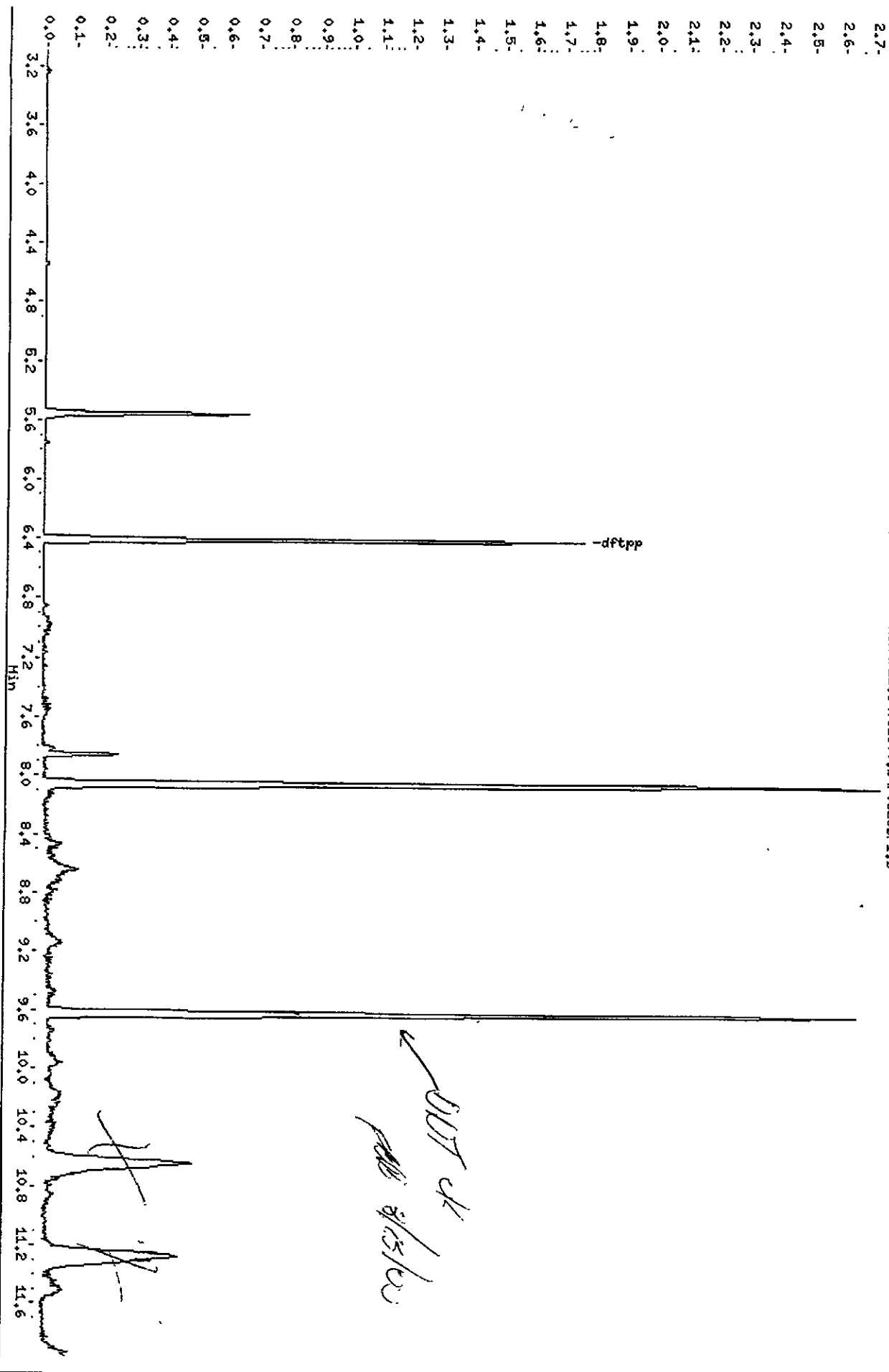
Data File: \\QPITPA02\chem\722.1\082500.b\F0825DF1.D
Date: 25-AUG-2000 12:14
Client ID: DFTPP02
Sample Info: DFTPP050 (25ppb) 194-175-8

Instrument: 722.1

Operator: 007062
Column diameter: 2.00

Column phase:

\\QPITPA02\chem\722.1\082500.b\F0825DF1.D



Date : 25-AUG-2000 12:14

Client ID: DFTPP02

Instrument: 722.1

Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

Column phase:

Column diameter: 2.00

Data File: F0825DF1.D

Spectrum: Avg. Scans 621-623 (6.41), Background Scan 615

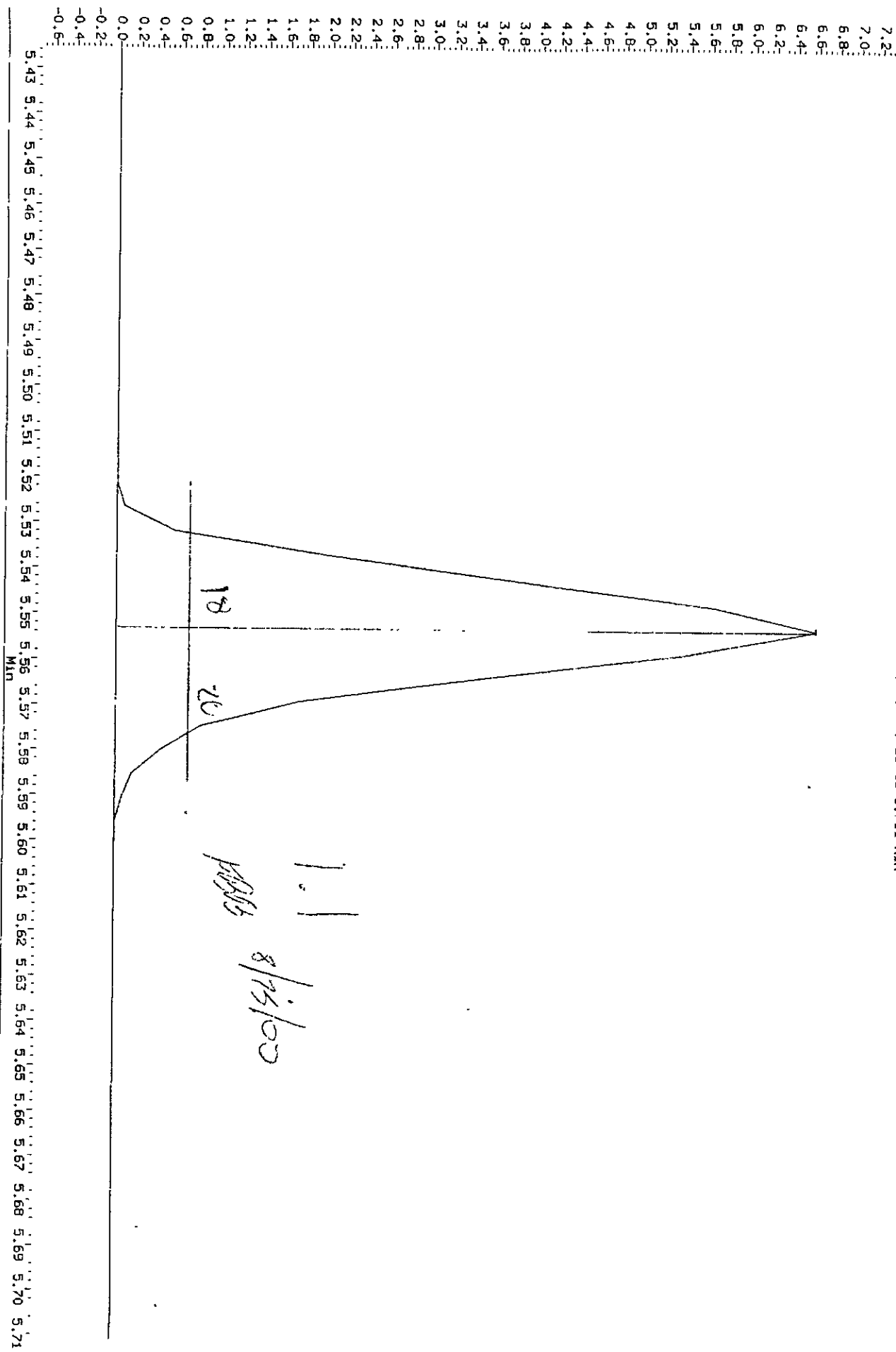
Location of Maximum: 198.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	446	110.00	5164	186.00	3154	255.00	12067
50.00	2029	111.00	878	187.00	1093	256.00	1637
51.00	6768	117.00	3502	193.00	167	258.00	826
57.00	603	123.00	203	196.00	418	274.00	1141
69.00	7061	127.00	10002	198.00	19608	275.00	5250
74.00	927	128.00	868	199.00	1515	276.00	393
75.00	1352	129.00	4640	204.00	999	277.00	429
76.00	176	130.00	178	205.00	1470	296.00	1808
77.00	8722	135.00	379	206.00	5490	323.00	373
78.00	368	141.00	401	207.00	804	334.00	172
79.00	844	147.00	362	217.00	1710	365.00	913
80.00	449	148.00	799	221.00	772	423.00	1028
81.00	901	156.00	377	223.00	183	441.00	2077
93.00	1359	167.00	1074	224.00	2712	442.00	13626
98.00	1069	168.00	467	225.00	881	443.00	2797
99.00	713	175.00	366	227.00	1750		
101.00	184	179.00	885	244.00	2290		
107.00	3193	180.00	447	245.00	169		
108.00	199	185.00	445	246.00	386		

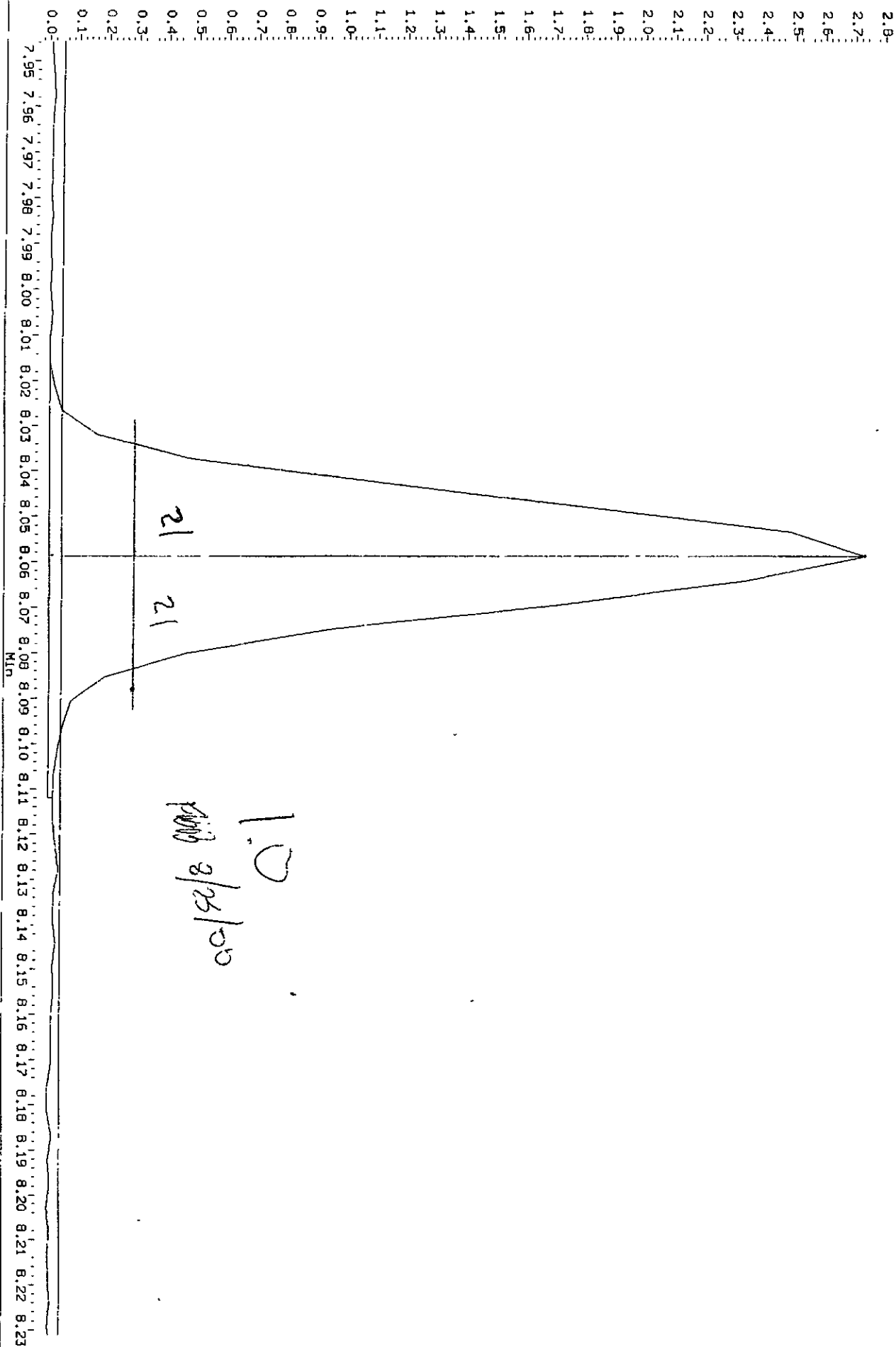
File: \QF1P02\chem\722_1\082500.b\F0825DF1.D
Injection Date: 25-AUG-2000 12:14
Instrument: 722.1
Vent Sample ID: DF1P02

HP ChemStation MS data.ms: 5.426 to 5.711 Min



Data File: \NPI\PA02\chem\722.1\082500.b\082500.F1.D
 Injection Date: 25-AUG-2000 12:14
 Instrument: 722.1
 Client Sample ID: DFTPP02

HP ChemStation MS data.ms: 7.946 to 8.231 Min



668 322

Date : 18-AUG-2000 13:13

Client ID: DFTPP02

Instrument: 721.1

Sample Info: dftpp (25ug/ml) 194-175-8

Operator: 001562, DLF

Column phase:

Column diameter: 0.25

Data File: D0818DFT.D

Spectrum: Avg. Scans 872-874 (9.90), Background Scan 867

Location of Maximum: 198.00

Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	337	98.00	482	186.00	1023	255.00	3685
44.00	115	99.00	255	187.00	227	256.00	504
50.00	1016	107.00	1038	196.00	86	258.00	101
51.00	3300	110.00	2146	198.00	7777	274.00	340
52.00	96	111.00	139	199.00	486	275.00	1830
57.00	109	117.00	1387	204.00	251	276.00	109
69.00	3886	127.00	3484	205.00	391	296.00	486
74.00	359	128.00	221	206.00	1576	365.00	102
75.00	585	129.00	1722	207.00	217	423.00	328
77.00	3172	135.00	180	217.00	499	441.00	913
78.00	210	141.00	246	221.00	323	442.00	6384
79.00	137	148.00	217	224.00	929	443.00	1174
80.00	118	167.00	349	225.00	267		
81.00	251	168.00	97	227.00	342		
93.00	583	179.00	223	244.00	851		

Data File: \\QPIPPA02\Jchem\724.1\0081800.b\0081801.D

Date: 18-AUG-2000 13:13

Client ID: DFTPP02

Instrument: 724.1

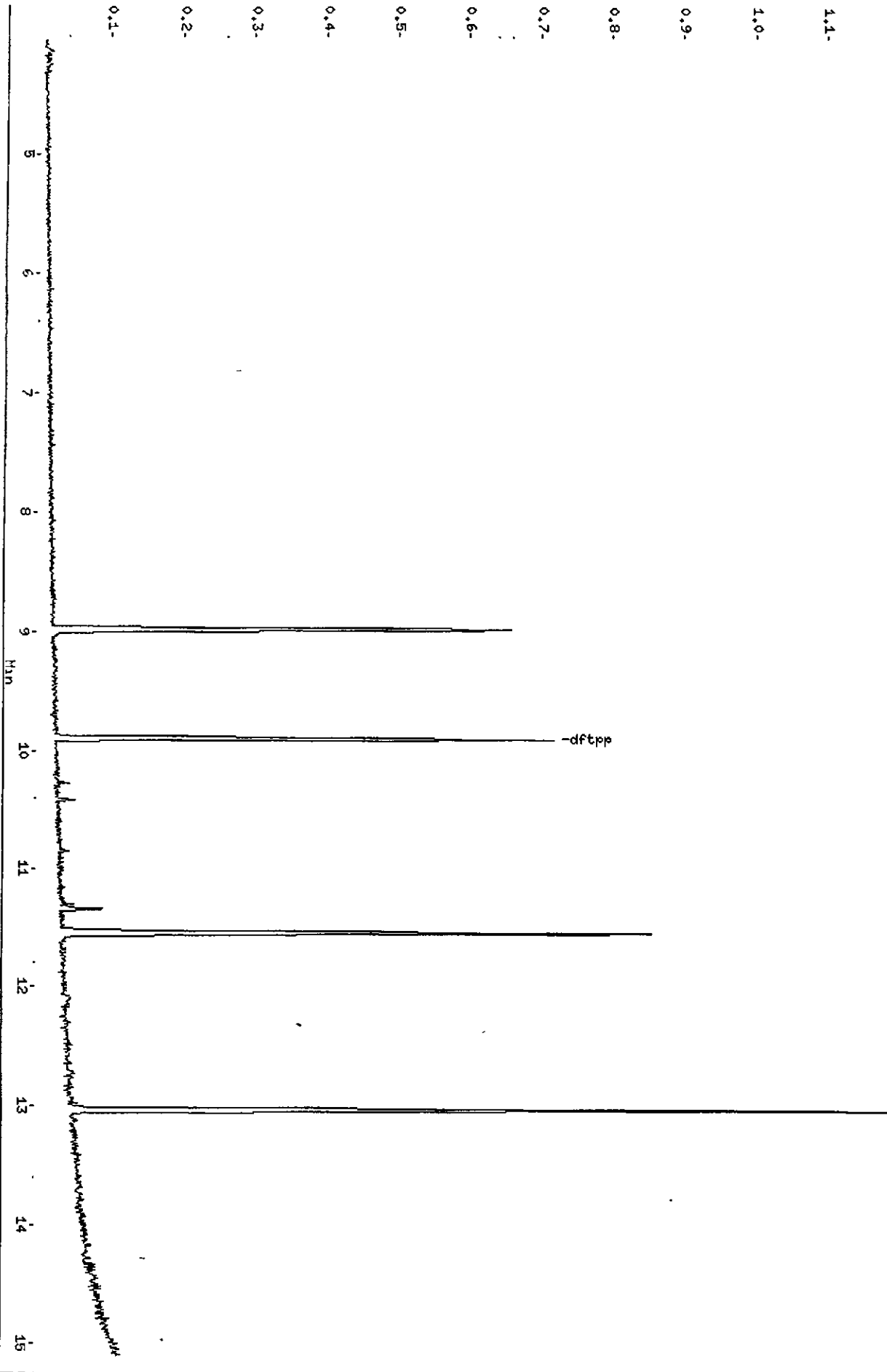
Sample Info: dftpp (25ug/ml) 194-175-8

Operator: 001562, DJF

Column phase:

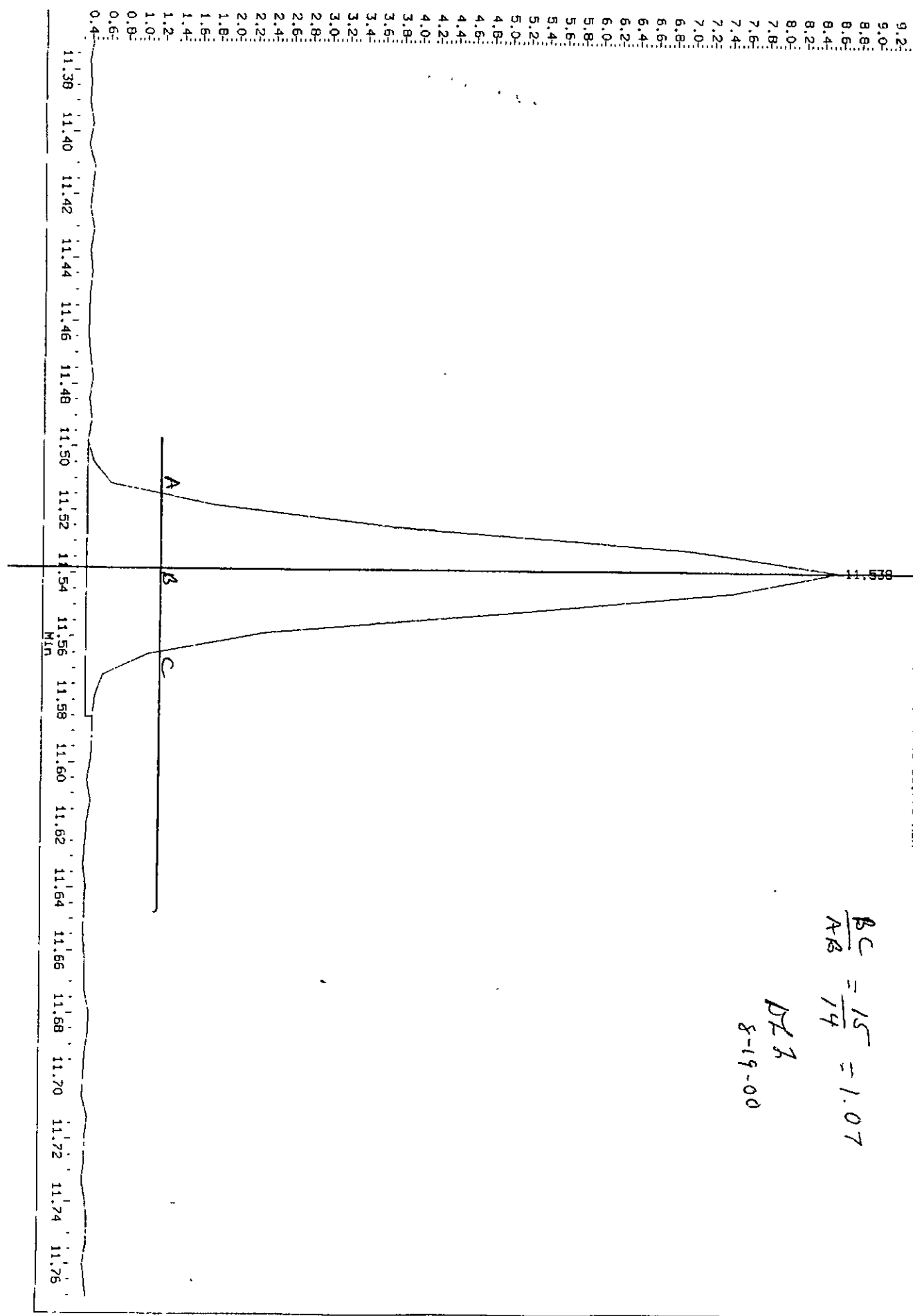
Column diameter: 0.25

\\QPIPPA02\Jchem\724.1\0081800.b\0081801.D



668 324

HP ChemStation	MS data.ms: 11.371 to 11.771 Min



$$\frac{BC}{AB} = \frac{15}{14} = 1.07$$

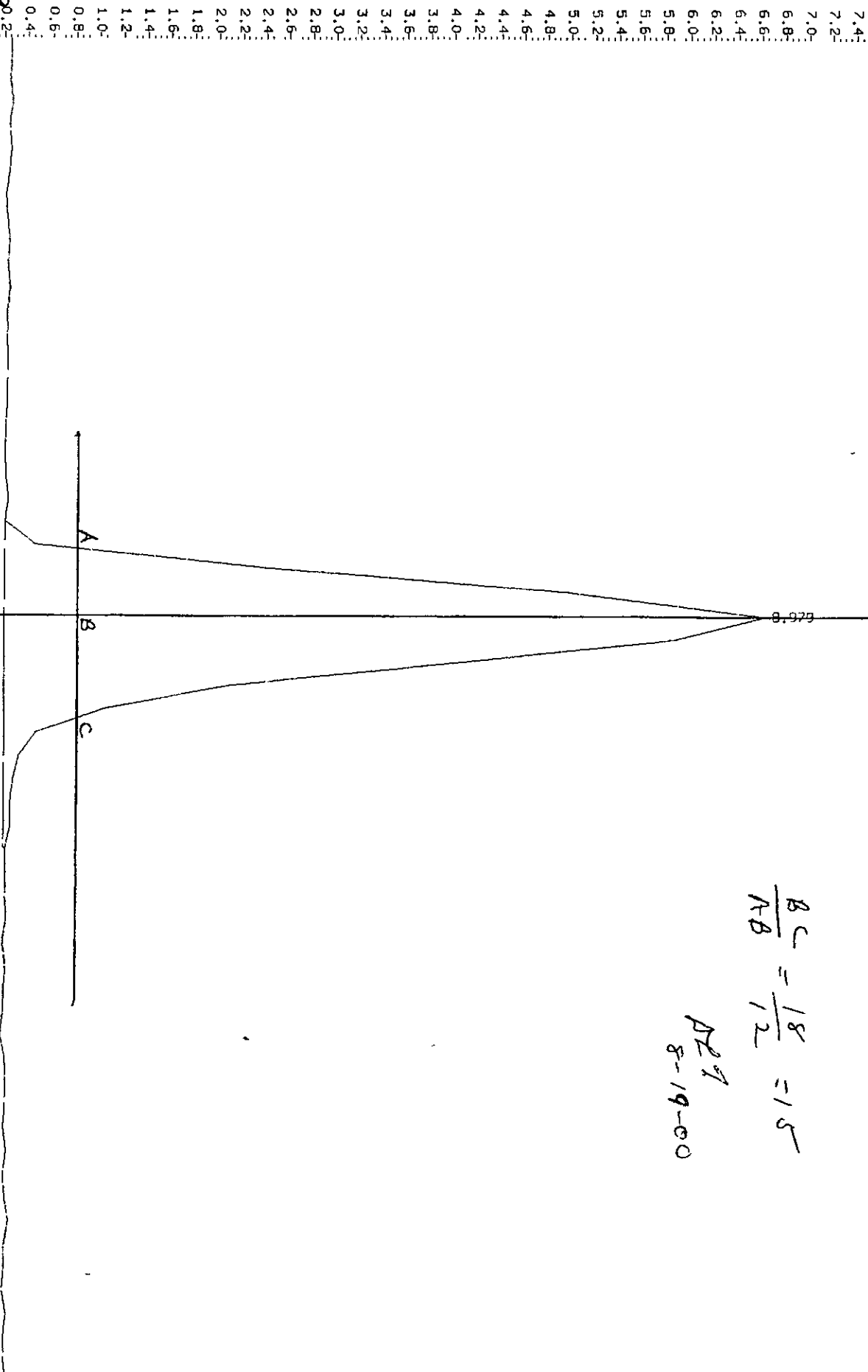
DL 3
8-19-00

File: \\gpi1pa02\chem\721.1\0081800.b\0081800FT.D
 Section Date: 18-AUG-2000 13:13
 Instrument: 721.1
 Sample ID: MFTPP02

HP ChemStation MS data.ms: 8.813 to 9.198 Min

$$\frac{B}{A} = \frac{18}{12} = 1.5$$

PE 7
 8-19-00



Data File: \\QPITPA02\chem\721.i\d082109.b\D0821DFT.D

Page 3

Date : 21-AUG-2000 11:47

Client ID: DFTPP02

Instrument: 721.i

Sample Info: dftpp (25ug/ml) 194-175-8

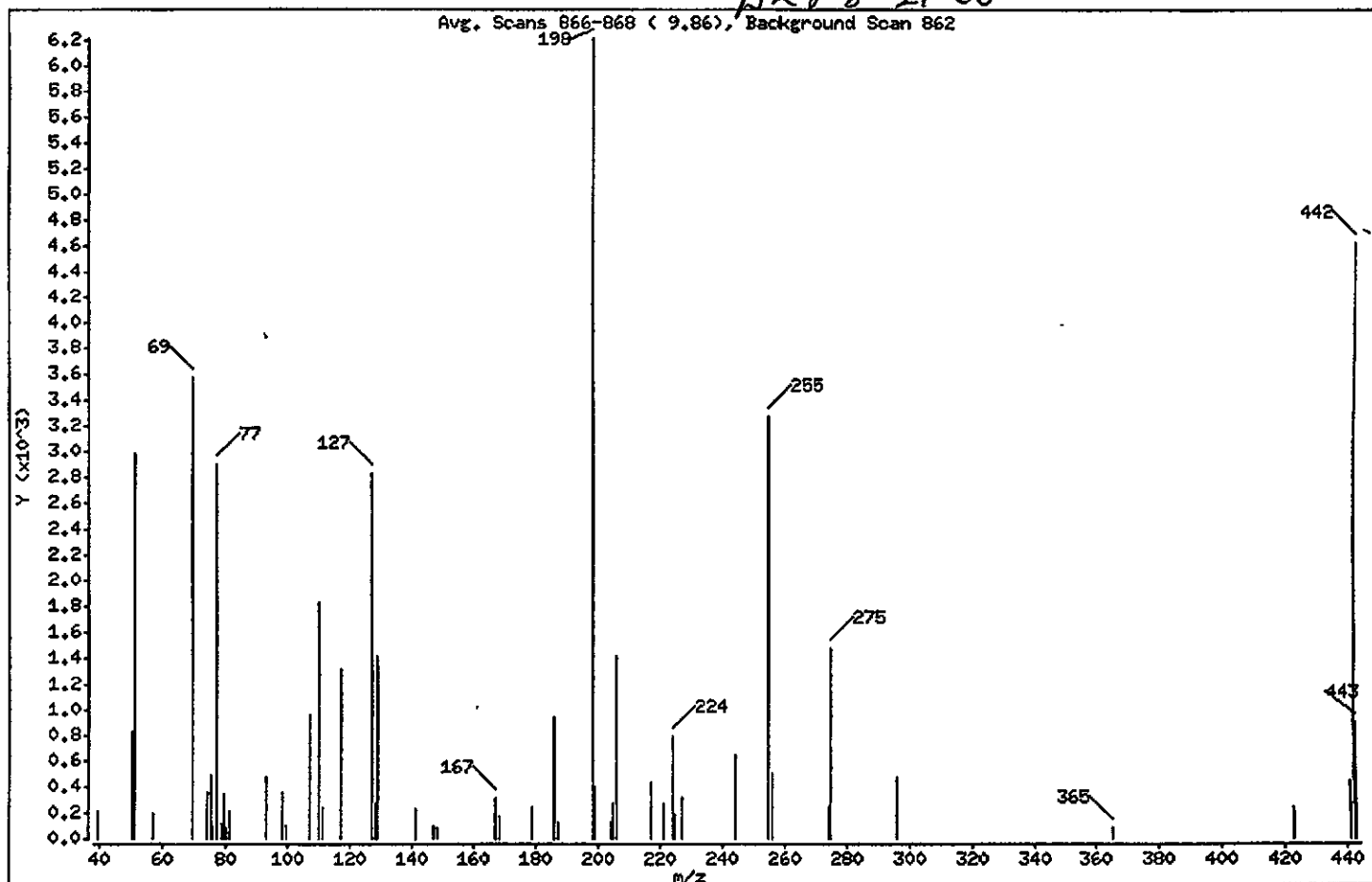
Operator: 001562, DLF

Column phase:

Column diameter: 0.25

1 dftpp

DL 8-21-00



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.00
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	57.45
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.54
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	23.58
365	Greater than 1.00% of mass 198	1.48
441	Present, but less than mass 443	7.10
442	Greater than 40.00% of mass 198	74.52
443	17.00 - 23.00% of mass 442	14.58 (19.56)

Data File: \\QPITPA02\chem\721.i\d082100.b\D0821DFT.D

Page 4

Date : 21-AUG-2000 11:47

Client ID: DFTPP02

Instrument: 721.i

Sample Info: dftpp (25ug/ml) 194-175-8

Operator: 001562, ILF

Column phase:

Column diameter: 0.25

Data File: D0821DFT.D

Spectrum: Avg. Scans 866-868 (9.86), Background Scan 862

Location of Maximum: 198.00

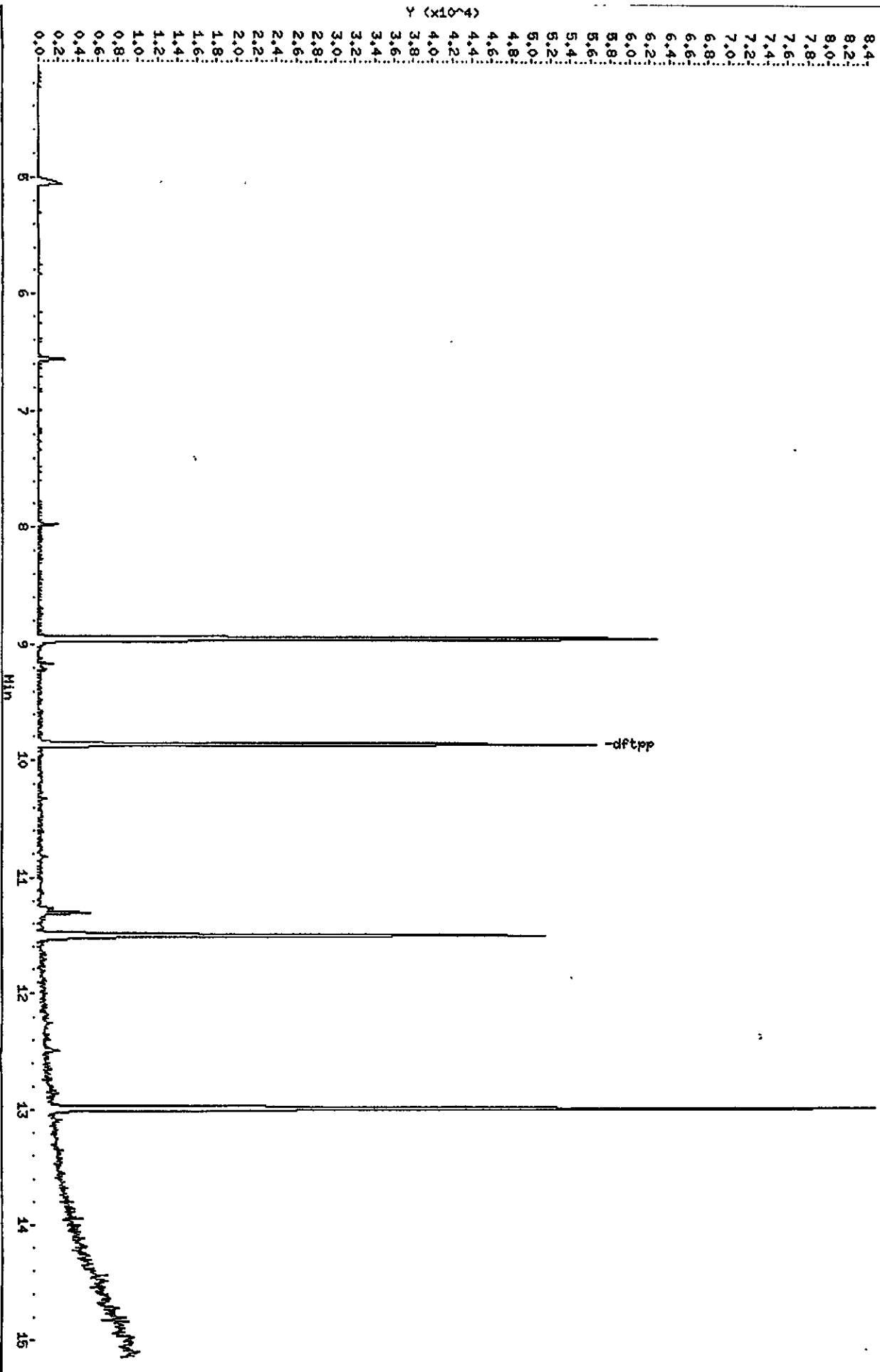
Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	209	98.00	360	179.00	242	255.00	3281
50.00	824	99.00	94	186.00	951	256.00	504
51.00	2986	107.00	954	187.00	127	274.00	248
57.00	204	110.00	1837	198.00	6221	275.00	1467
69.00	3574	111.00	242	199.00	404	296.00	478
74.00	363	117.00	1309	204.00	122	365.00	92
75.00	485	127.00	2833	205.00	265	423.00	238
76.00	104	128.00	275	206.00	1422	441.00	442
77.00	2900	129.00	1422	217.00	436	442.00	4636
78.00	116	141.00	228	221.00	271	443.00	907
79.00	339	147.00	102	224.00	788		
80.00	91	148.00	92	225.00	192		
81.00	215	167.00	318	227.00	315		
93.00	479	168.00	168	244.00	638		

Data File: \\QPITPRO2\N\chem\721.i\4082100.b\00821DFT.J
Date: 21-AUG-2000 11:47
Client ID: DFTPP02
Sample Info: dftpp (28ug/ml) 194-175-8
Column phase:

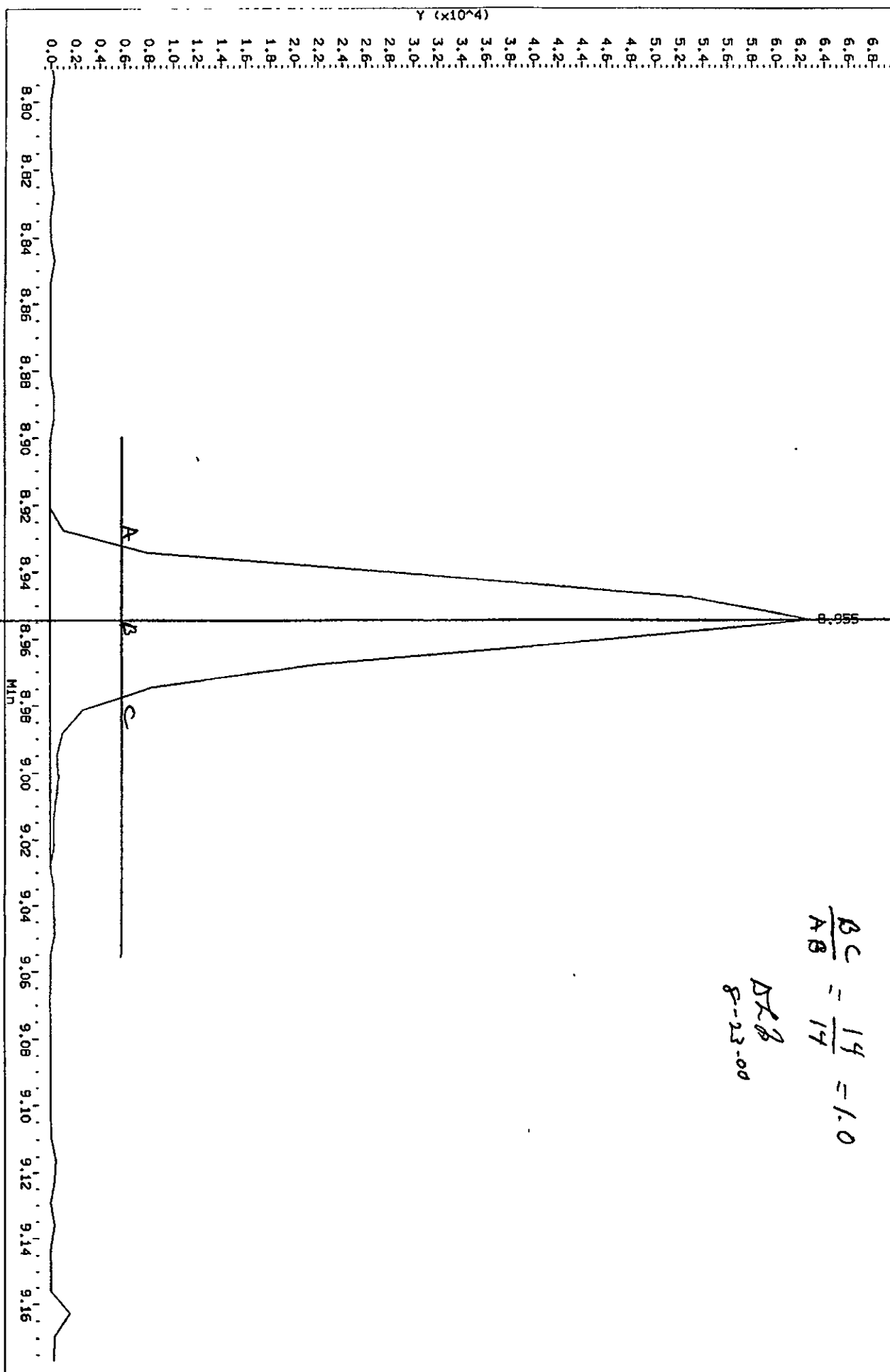
Instrument: 721.i
Operator: 001562, DLF
Column diameter: 0.25

\\QPITPRO2\N\chem\721.i\4082100.b\00821DFT.J



Data File: \\D:\ptp02\chem\721.1\0082100.b\0082100.D
 Injection Date: 21-AUG-2000 11:47
 Instrument: 721.1
 Client Sample ID: DFTFP02

HP ChemStation MS data.ms: 8.791 to 9.177 Min

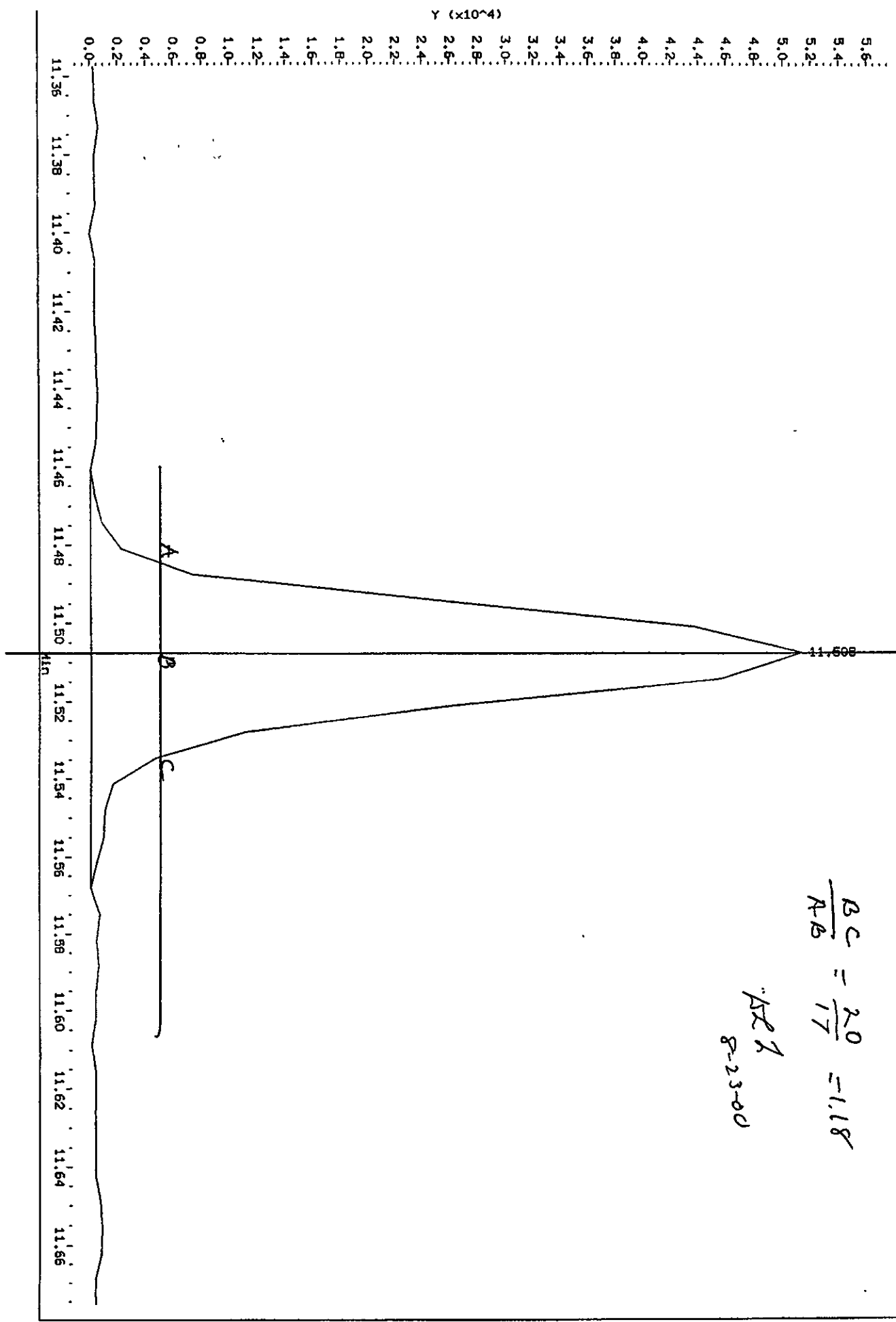


$$\frac{BC}{AB} = \frac{14}{14} = 1.0$$

DLB
 8-23-00

Data File: \N001p02\N0chem\721.1\N0082100.b\N0082100FT.D
 Injection Date: 21-AUG-2000 11:47
 Instrument: 721.1
 Client Sample ID: DFTFP02

HP ChemStation MS data.ms: 11.358 to 11.676 Min



$$\frac{BC}{AB} = \frac{20}{17} = 1.18$$

AKA
8-23-00

Data File: \\QPITPA02\N\chem\722.i\082500.b\F0825DF1.D

Date : 25-AUG-2000 12:14

Client ID: DFTPP02

Instrument: 722.i

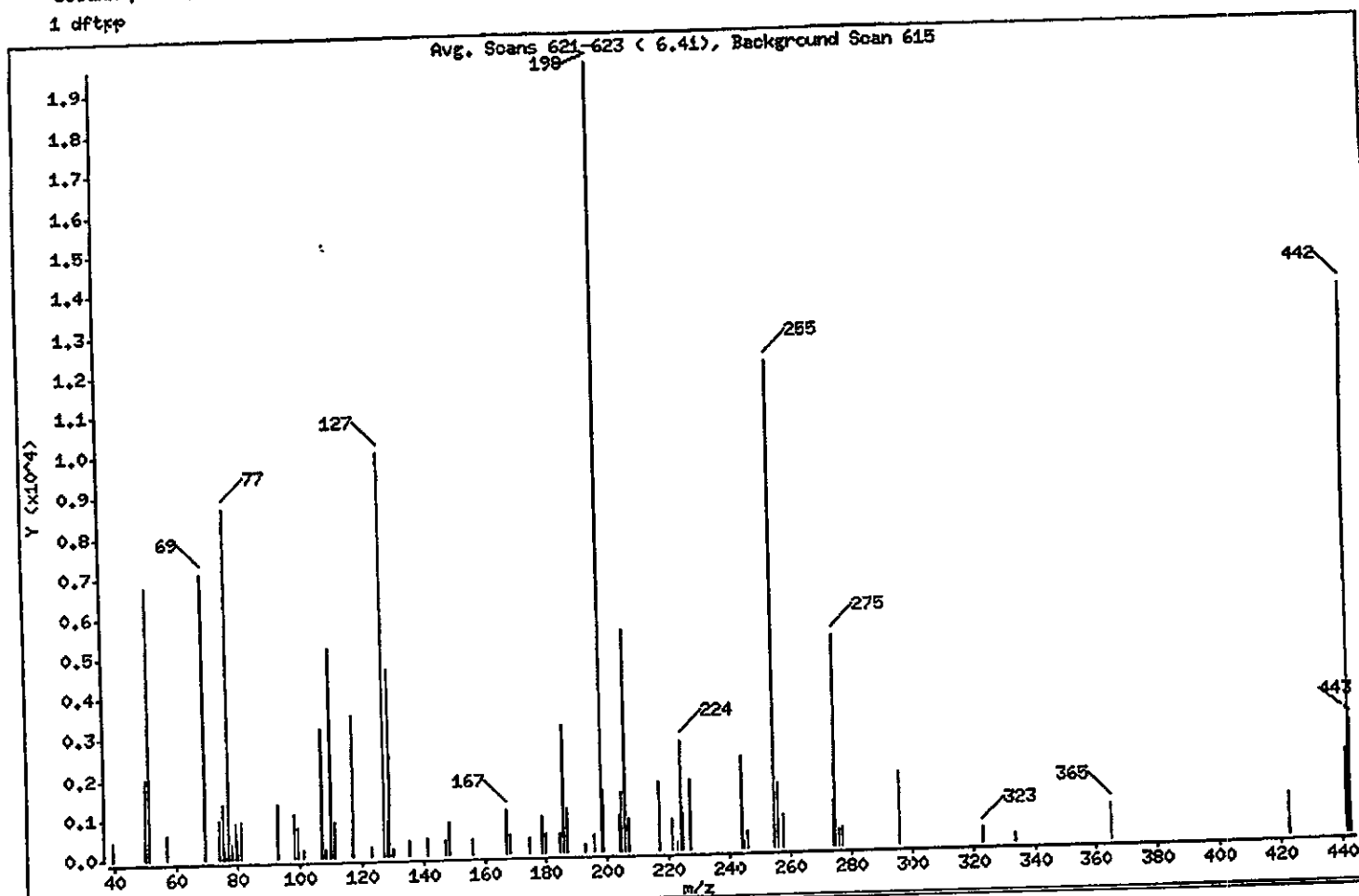
Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

Column diameter: 2.00

Column phase:

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	34.51
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.01
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.01
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.73
275	10.00 - 30.00% of mass 198	26.77
365	Greater than 1.00% of mass 198	4.66
441	Present, but less than mass 443	10.59
442	40.00 - 100.00% of mass 198	69.49
443	17.00 - 23.00% of mass 442	14.26 (20.53)

Data File: \\QPITPA02\ID\chem\722.i\082500.b\F0825DF1.D

Date : 25-AUG-2000 12:14

Client ID: DFTPP02

Instrument: 722.i

Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

Column phase:

Column diameter: 2.00

Data File: F0825DF1.D

Spectrum: Avg. Scans 621-623 (6.41), Background Scan 615

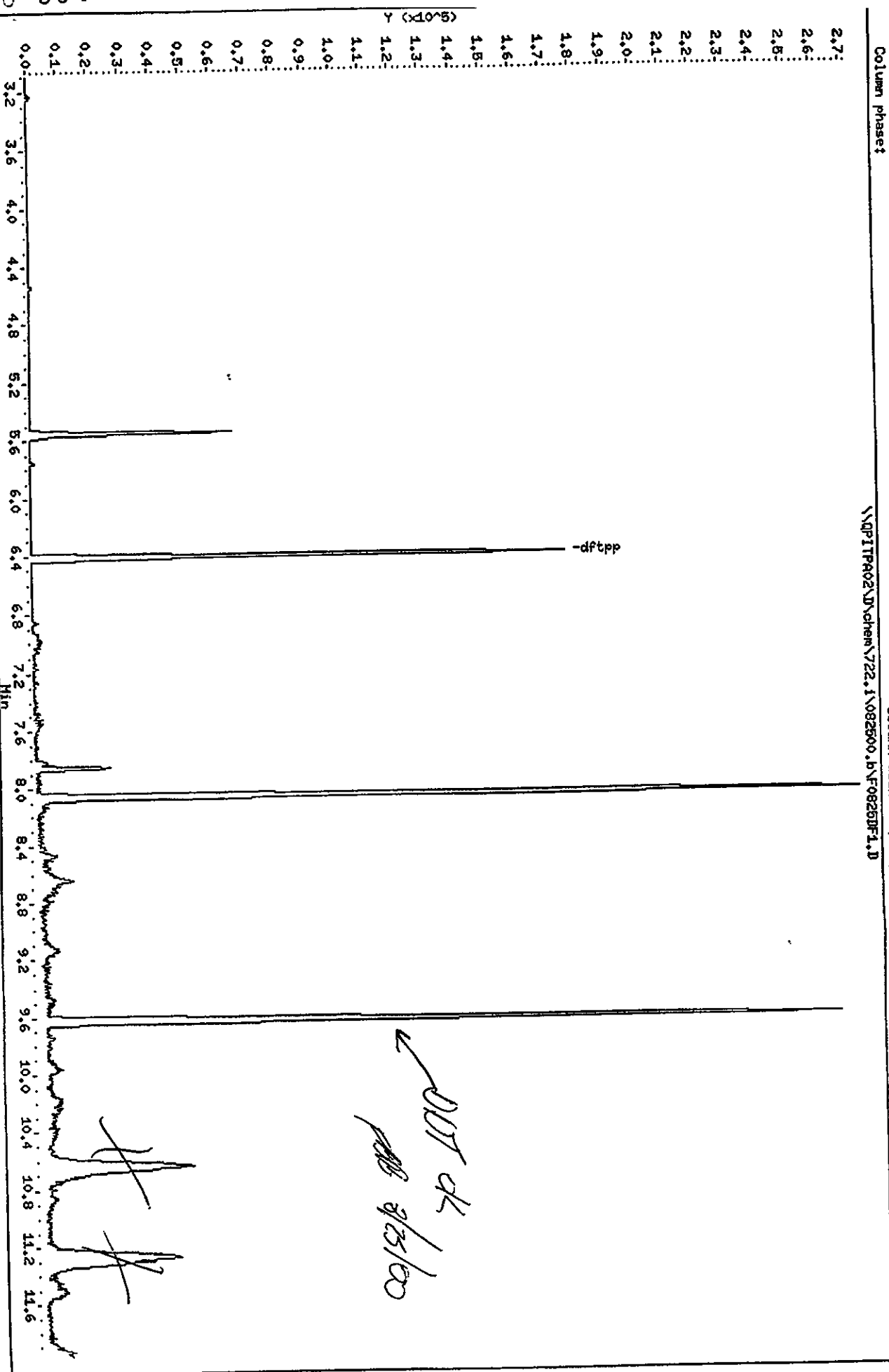
Location of Maximum: 198.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	446	110.00	5164	186.00	3154	255.00	12067
50.00	2029	111.00	878	187.00	1093	256.00	1637
51.00	6768	117.00	3802	193.00	167	258.00	826
57.00	603	123.00	203	196.00	418	274.00	1141
69.00	7061	127.00	10002	198.00	19608	275.00	5250
74.00	927	128.00	868	199.00	1515	276.00	393
75.00	1352	129.00	4640	204.00	909	277.00	429
76.00	176	130.00	178	205.00	1470	296.00	1808
77.00	8722	135.00	379	206.00	5490	323.00	373
78.00	368	141.00	401	207.00	804	334.00	172
79.00	844	147.00	362	217.00	1710	365.00	913
80.00	449	148.00	799	221.00	772	423.00	1028
81.00	901	156.00	377	223.00	183	441.00	2077
93.00	1359	167.00	1074	224.00	2712	442.00	13626
98.00	1069	168.00	467	225.00	881	443.00	2797
99.00	713	175.00	366	227.00	1750		
101.00	184	179.00	885	244.00	2290		
107.00	3193	180.00	447	245.00	169		
108.00	199	185.00	445	246.00	386		

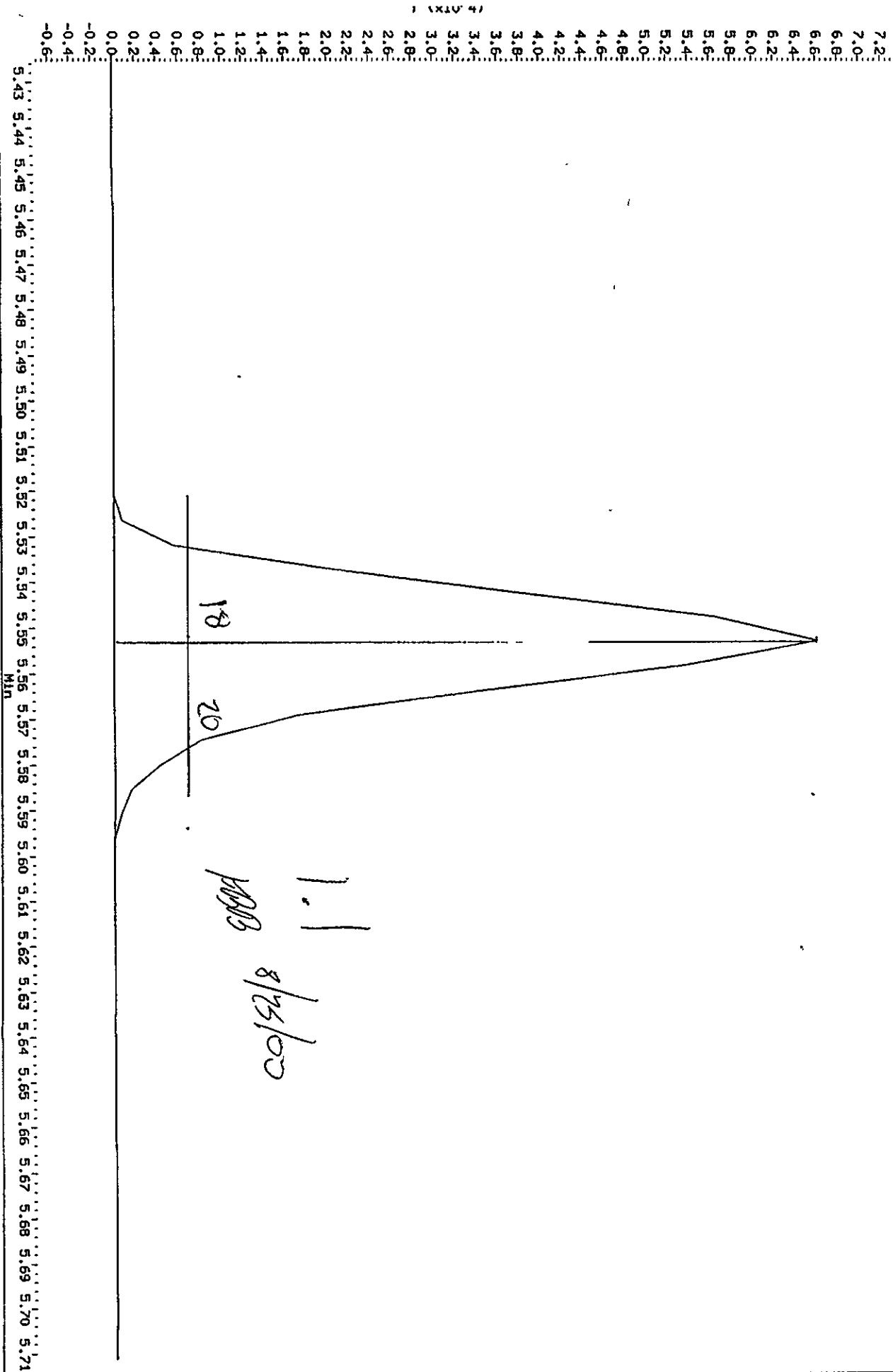
Data File: \\QPI1P02\N\chem\722.1\082500.b\F08250F1.D
 Date: 25-AUG-2000 12:14
 Client ID: DFTFP02
 Sample Info: DFTFP050 (25ppb) 194-175-8

Instrument: 722.1
 Operator: 007062
 Column diameter: 2.00



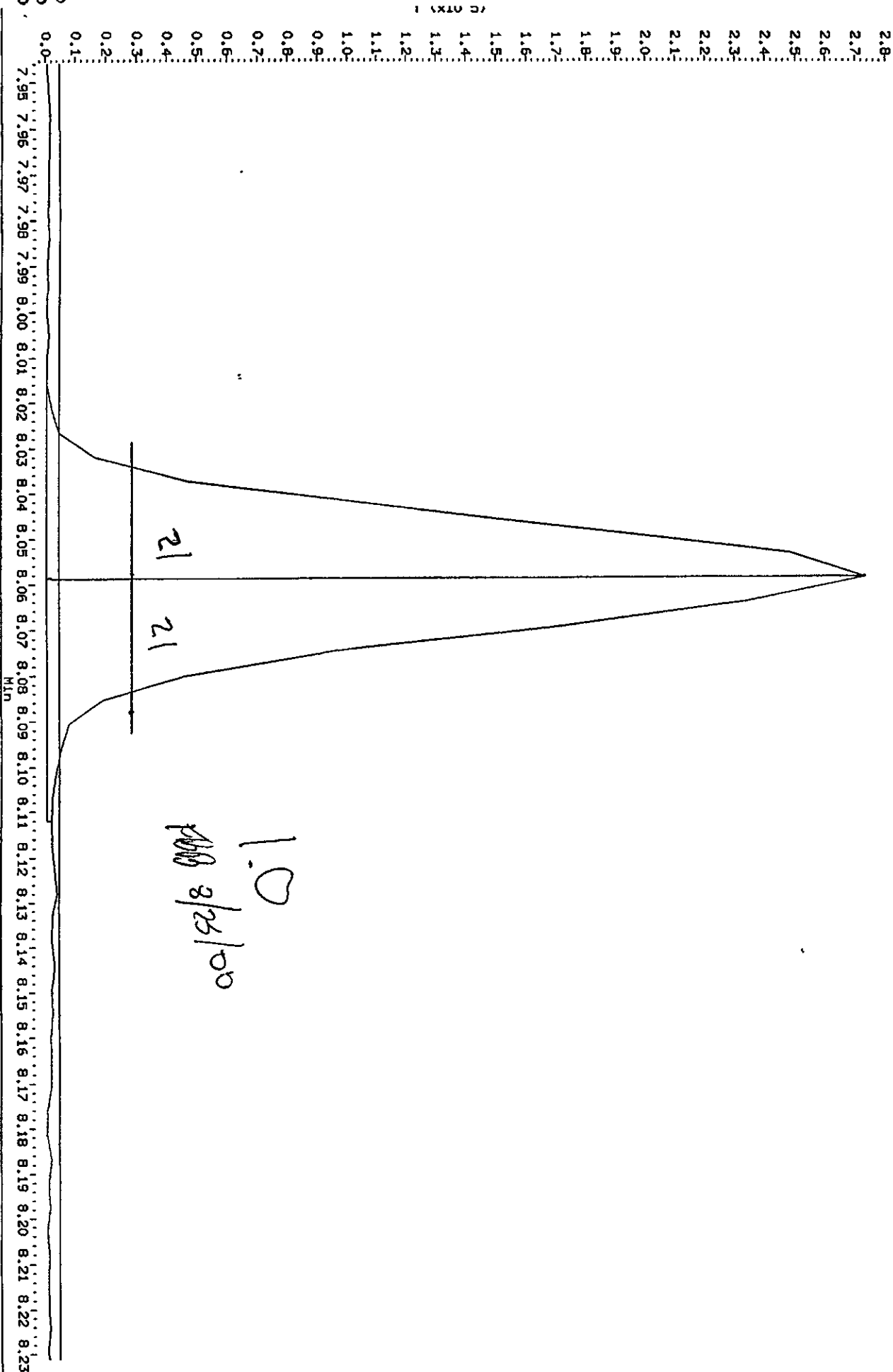
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 Injection Date: 23-AUG-2000 12:14
 Instrument: 722.1
 Client Sample ID: DFTP02

HP ChemStation MS data.ms: 5.426 to 5.711 Min



Data File: \\QPIPP02\\D\\chem\\722.1\\082500.b\\F0825DF1.D
Injection Date: 25-AUG-2000 12:14
Instrument: 722.1
Client Sample ID: DFTPP02

HP ChemStation MS data.ms: 7.946 to 8.231 Min



Data File: \\QPITPA02\J\chem\722.i\082800.b\F0828DF1.D

Date : 28-AUG-2000 07:24

Client ID: DFTPP02

Instrument: 722.i

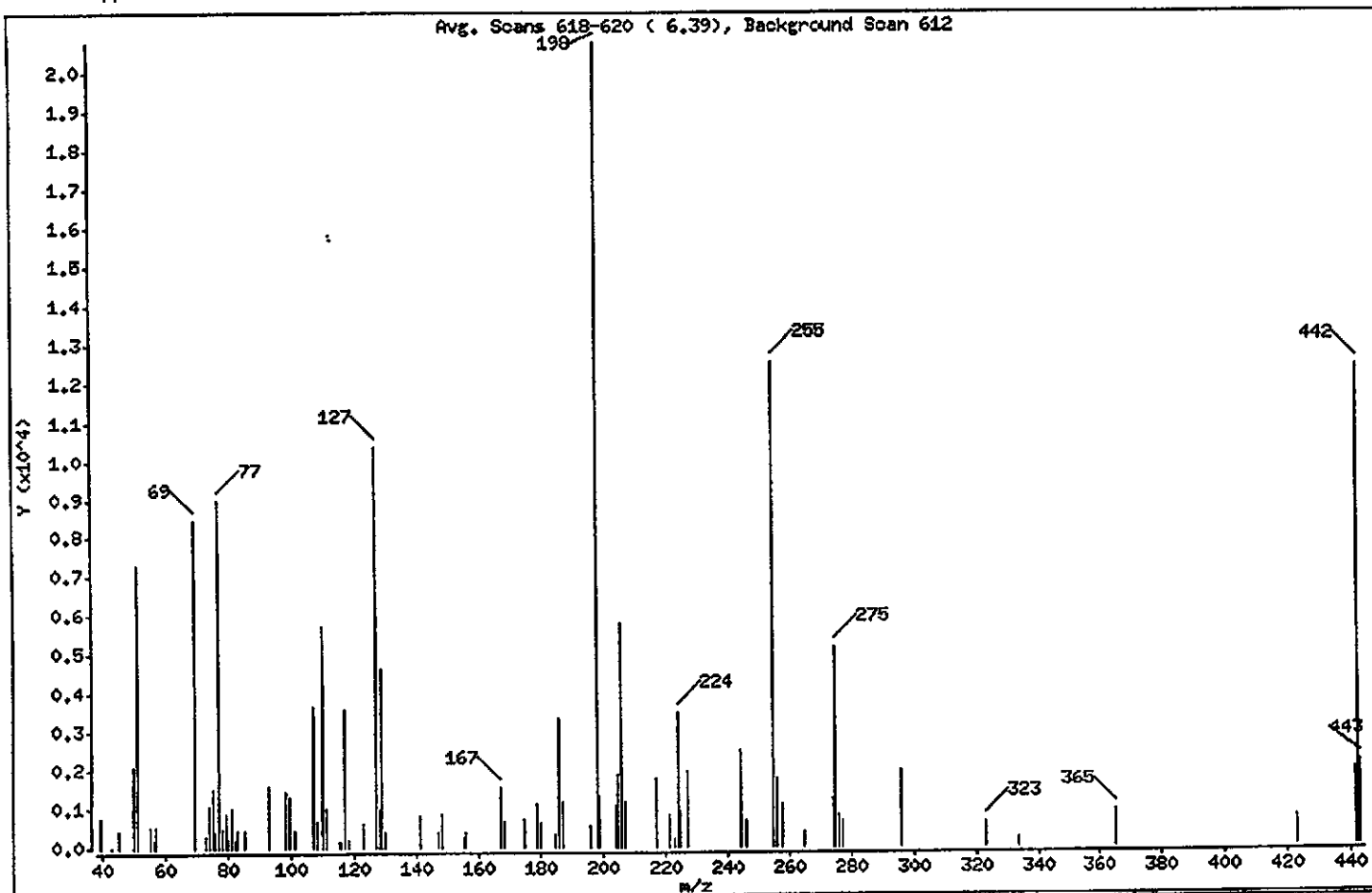
Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

Column phase:

Column diameter: 2.00

1 dftpp



m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.22
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.60
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.89
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.14
275	10.00 - 30.00% of mass 198	24.79
365	Greater than 1.00% of mass 198	4.31
441	Present, but less than mass 443	9.46
442	40.00 - 100.00% of mass 198	59.53
443	17.00 - 23.00% of mass 442	10.32 (17.34)

Date : 28-AUG-2000 07:24

Client ID: DFT-P02

Instrument: 722.1

Sample Info: DFTPP050 (25ppb) 194-175-8

Operator: 007062

Column phase:

Column diameter: 2.00

Data File: F0828DF1.D
 Spectrum: Avg. Scans 618-620 (6.39), Background Scan 612
 Location of Maximum: 198.00
 Number of points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y

39.00	777	93.00	1580	156.00	383	227.00	1975
43.00	13	98.00	1428	167.00	1551	244.00	2464
45.00	409	99.00	1297	168.00	648	246.00	692
50.00	2090	101.00	426	175.00	721	255.00	12532
51.00	7319	107.00	3670	179.00	1084	256.00	1749

85.00	506	108.00	679	180.00	628	258.00	1076
86.00	181	110.00	5726	185.00	358	263.00	378
87.00	549	111.00	998	186.00	3348	274.00	1248
89.00	8435	115.00	131	187.00	1147	275.00	5151
93.00	289	116.00	167	196.00	530	276.00	810

74.00	1070	117.00	3564	198.00	20776	277.00	683
75.00	1501	118.00	208	199.00	1276	296.00	1974
76.00	390	123.00	632	204.00	1032	323.00	628
77.00	8991	127.00	10366	205.00	1871	334.00	212
78.00	471	128.00	944	206.00	5766	365.00	895

79.00	842	129.00	4623	207.00	1139	423.00	705
80.00	244	130.00	397	217.00	1776	441.00	1966
81.00	1008	141.00	820	221.00	802	442.00	12369
82.00	168	147.00	362	223.00	183	443.00	2145
83.00	430	148.00	848	224.00	3476		

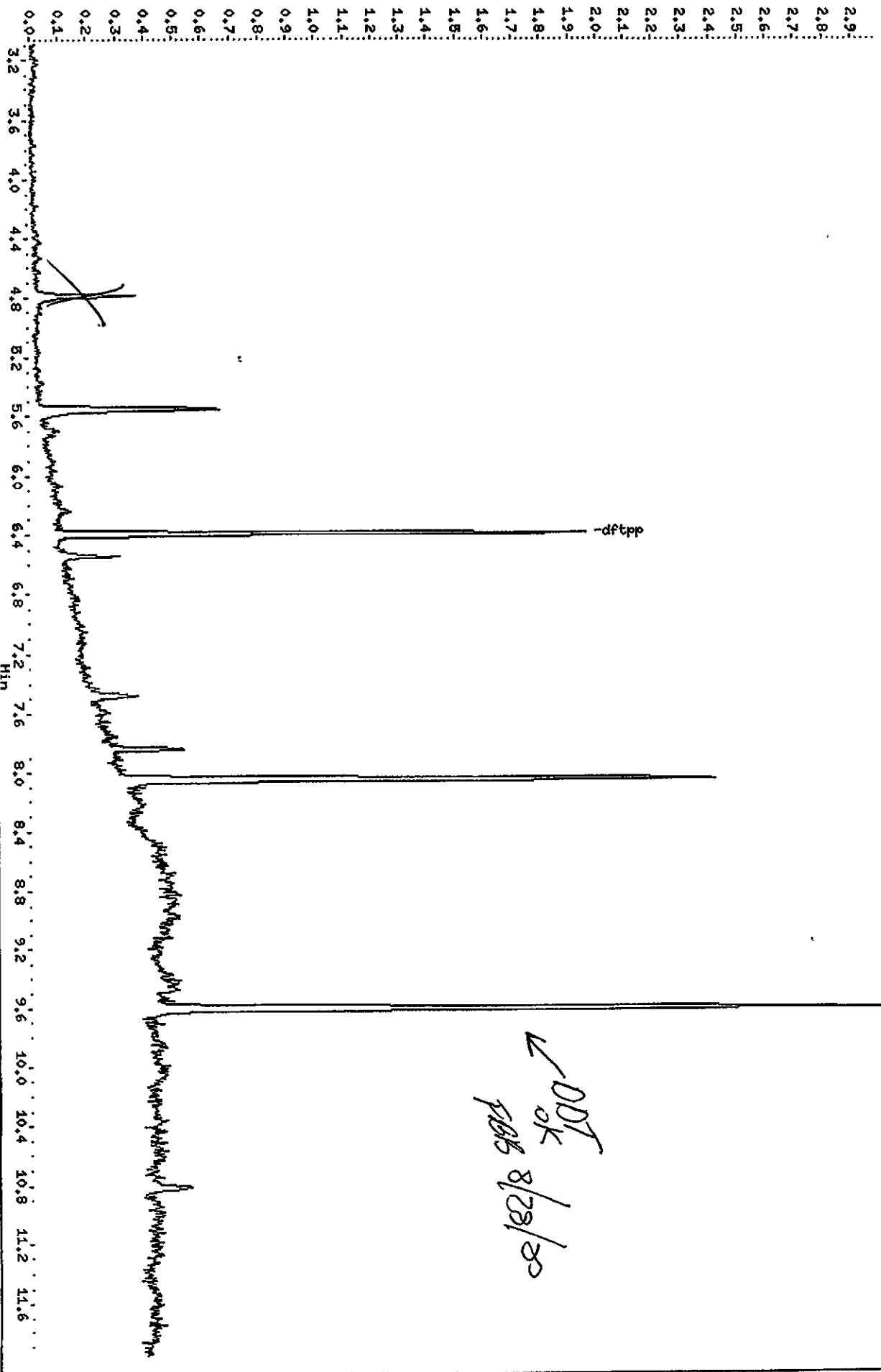
85.00	417	155.00	224	225.00	898		

Data File: \\QP1TP002\N\chem\722.1\082800.b\F08280F1.D
 Date: 28-AUG-2000 07:24
 Client ID: DFTPP02
 Sample Info: DFTPP060 (25ppb) 194-175-8

Instrument: 722.1
 Operator: 007062
 Column diameter: 2.00

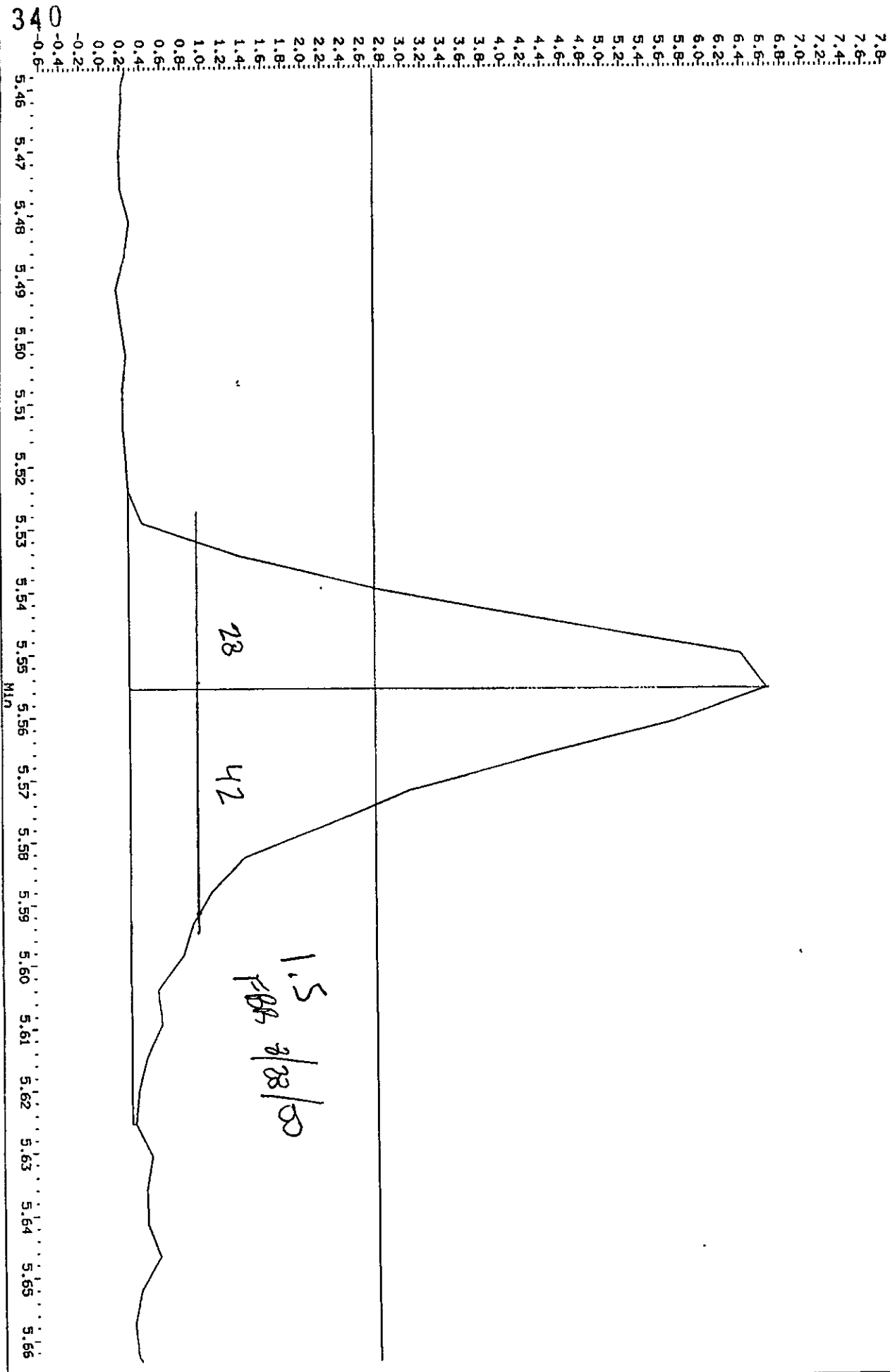
\\QP1TP002\N\chem\722.1\082800.b\F08280F1.D

Column phase:



a File: \\QPI1PA02\\D\\chem\\722.1\\082800.b\\F08280F1.D
Injection Date: 28-AUG-2000 07:24
Instrument: 722.1
ent Sample ID: DPTP02

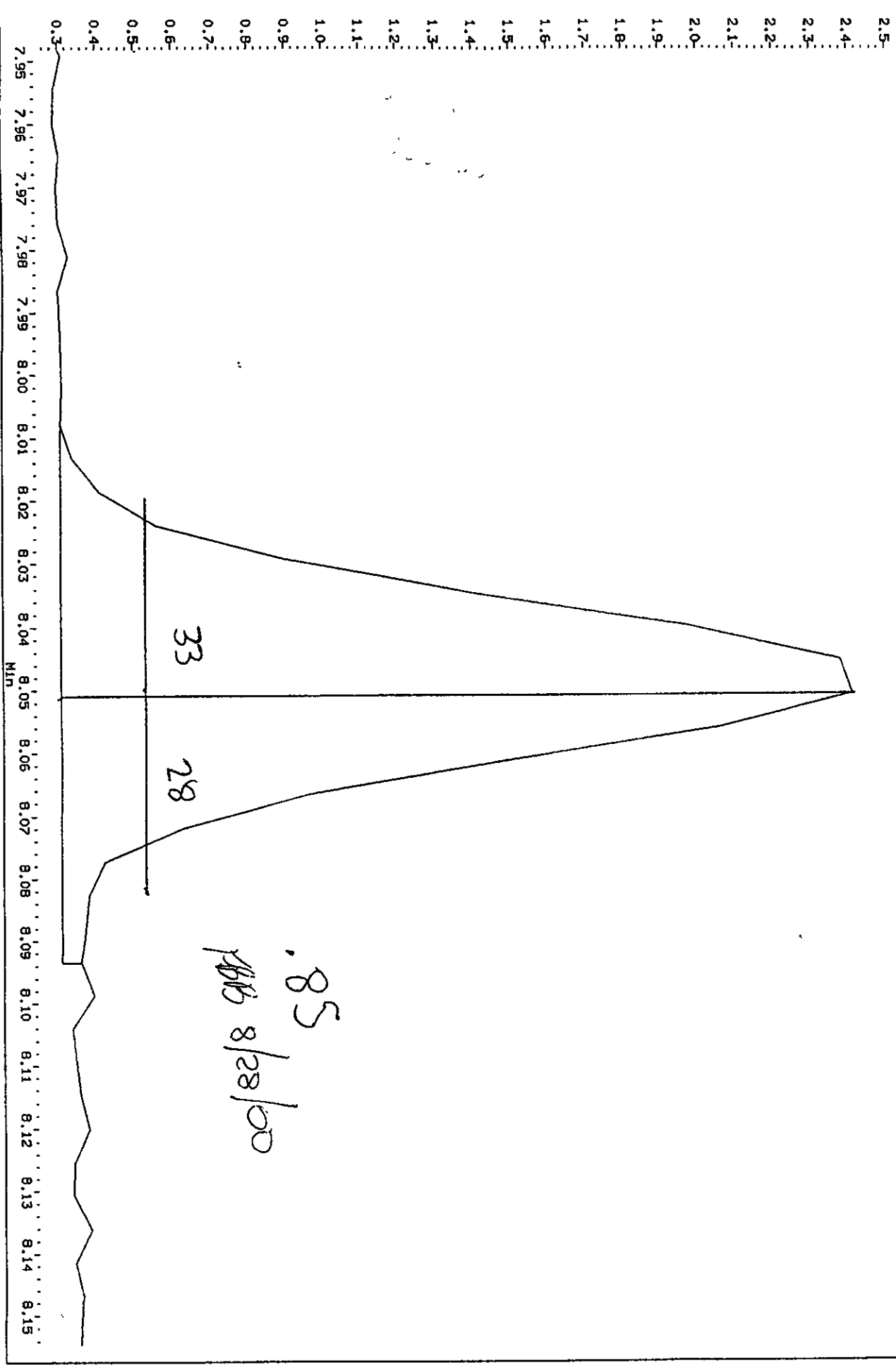
HP ChemStation MS data.ms: 5.457 to 5.664 Min



88
99
99

File: \NPIR02\Nchem\722.1\062800.b\F0628001.D
Injection Date: 28-AUG-2000 07:24
Instrument: 722.1
Inlet Sample ID: DFTPF02

HP ChemStation MS data.ms: 7.948 to 8.155 Min



UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg)	ug/L
110-86-1	Pyridine	20	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
84-66-2	Diethyl phthalate	10		U
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

668 344

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

Matrix: (soil/water) WATER

Lab Sample ID: C0H170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

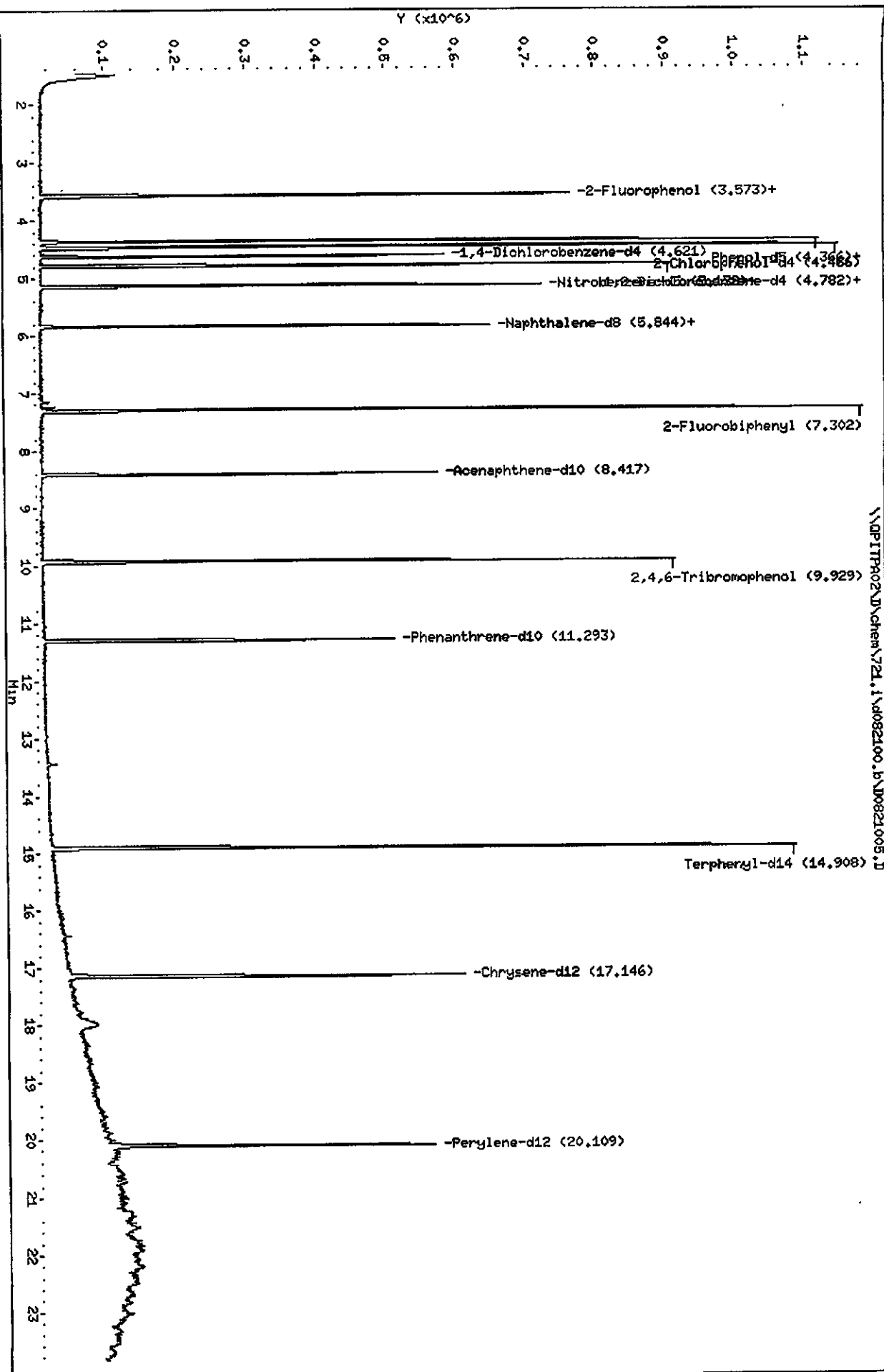
QC Batch: 0230354

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10	U
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

Data File: \\QIPITPA02\J\chem\721.i\082100.b\0821005.D
 Date: 21-AUG-2000 14:37
 Client ID: INTRA-LAB BLANK
 Sample Info: CONT50146-sblk h2o 8/16/00 8270c
 Volume Injected (uL): 2.0
 Column phase: HPL-MS

Instrument: 721.i
 Operator: 001562, DLF
 Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d082100.b\D0821005.D
 Lab Smp Id: DJ225101 Client Smp ID: INTRA-LAB BLANK
 Inj Date : 21-AUG-2000 14:37
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : c0h150146-sblk h2o 8/16/00 8270c
 Misc Info : dj225101,d082100.b,8270c.m,3-root.sub
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d082100.b\8270c.m
 Meth Date : 21-Aug-2000 13:08 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
 Als bottle: 7 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 3-root.sub
 Target Version: 4.04
 Processing Host: PITPC013

dw
8/22/00

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

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)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.620	4.616	(1.000)	96356	40.0000	(Q)
* 2 Naphthalene-d8	136	5.843	5.839	(1.000)	331171	40.0000	
* 3 Acenaphthene-d10	164	8.417	8.412	(1.000)	186500	40.0000	
* 4 Phenanthrene-d10	188	11.299	11.288	(1.000)	324404	40.0000	
* 5 Chrysene-d12	240	17.145	17.134	(1.000)	380826	40.0000	
* 6 Perylene-d12	264	20.108	20.104	(1.000)	313357	40.0000	
10 N-Nitrosodimethylamine	74						Compound Not Detected.
9 Pyridine	79						Compound Not Detected.
16 Methyl methanesulfonate	80						Compound Not Detected.
21 Aniline	93						Compound Not Detected.
22 Phenol	94						Compound Not Detected.
23 bis(2-Chloroethyl)ether	93						Compound Not Detected.
24 2-Chlorophenol	128						Compound Not Detected.
26 1,3-Dichlorobenzene	146						Compound Not Detected.

Data File: \\Opitpa02\D\chem\721.i\d082100.b\D0821005.D
 Report Date: 22-Aug-2000 18:14

Page 2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
27 1,4-Dichlorobenzene	146				Compound Not Detected.		
28 1,2-Dichlorobenzene	146				Compound Not Detected.		
29 Benzyl Alcohol	108				Compound Not Detected.		
30 2-Methylphenol	108				Compound Not Detected.		
31 2,2'-oxybis(1-Chloropropane)	45				Compound Not Detected.		
32 N-Nitroso-di-n-propylamine	70				Compound Not Detected.		
192 4-Methylphenol	108				Compound Not Detected.		
34 Hexachloroethane	117				Compound Not Detected.		
35 Nitrobenzene	77				Compound Not Detected.		
41 Isophorone	82				Compound Not Detected.		
42 2-Nitrophenol	139				Compound Not Detected.		
43 2,4-Dimethylphenol	107				Compound Not Detected.		
44 bis(2-Chloroethoxy)methane	93				Compound Not Detected.		
48 2,4-Dichlorophenol	162				Compound Not Detected.		
49 Benzoic Acid	122				Compound Not Detected.		
50 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
51 Naphthalene	128				Compound Not Detected.		
52 4-Chloroaniline	127				Compound Not Detected.		
56 Hexachlorobutadiene	224				Compound Not Detected.		
59 4-Chloro-3-Methylphenol	107				Compound Not Detected.		
62 2-Methylnaphthalene	142				Compound Not Detected.		
63 1-Methylnaphthalene	142				Compound Not Detected.		
64 Hexachlorocyclopentadiene	236				Compound Not Detected.		
66 2,4,6-Trichlorophenol	196				Compound Not Detected.		
67 2,4,5-Trichlorophenol	196				Compound Not Detected.		
70 2-Chloronaphthalene	162				Compound Not Detected.		
73 2-Nitroaniline	65				Compound Not Detected.		
76 Dimethylphthalate	163				Compound Not Detected.		
78 2,6-Dinitrotoluene	165				Compound Not Detected.		
79 Acenaphthylene	152				Compound Not Detected.		
81 3-Nitroaniline	138				Compound Not Detected.		
82 Acenaphthene	153				Compound Not Detected.		
83 2,4-Dinitrophenol	184				Compound Not Detected.		
85 4-Nitrophenol	109				Compound Not Detected.		
86 Dibenzofuran	168				Compound Not Detected.		
87 2,4-Dinitrotoluene	165				Compound Not Detected.		
91 2,3,5,6-Tetrachlorophenol	231				Compound Not Detected.		
88 2,3,4,6-Tetrachlorophenol	231				Compound Not Detected.		
92 2-Naphthylamine	143				Compound Not Detected.		
93 Diethylphthalate	149				Compound Not Detected.		
94 Fluorene	166				Compound Not Detected.		
95 4-Chlorophenyl-phenylether	204				Compound Not Detected.		
96 4-Nitroaniline	138				Compound Not Detected.		
98 4,6-Dinitro-2-methylphenol	198				Compound Not Detected.		
99 N-Nitrosodiphenylamine (1)	169				Compound Not Detected.		
100 1,2-Diphenylhydrazine	77				Compound Not Detected.		
106 4-Bromophenyl-phenylether	248				Compound Not Detected.		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
107 Hexachlorobenzene	283				Compound Not Detected		
111 Pentachlorophenol	265				Compound Not Detected.		
115 Phenanthrene	178				Compound Not Detected.		
116 Anthracene	178				Compound Not Detected		
119 Carbazole	167				Compound Not Detected.		
120 Di-n-Butylphthalate	149				Compound Not Detected.		
123 Fluoranthene	202				Compound Not Detected.		
124 Benzidine	184				Compound Not Detected.		
125 Pyrene	202				Compound Not Detected.		
131 Butylbenzylphthalate	149				Compound Not Detected.		
135 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
136 Benzo(a)Anthracene	228				Compound Not Detected.		
137 Chrysene	228				Compound Not Detected.		
139 bis(2-ethylhexyl)Phthalate	149				Compound Not Detected		
140 Di-n-octylphthalate	149				Compound Not Detected.		
141 Benzo(b)fluoranthene	252				Compound Not Detected.		
142 Benzo(k)fluoranthene	252				Compound Not Detected.		
143 7,12-dimethylbenz(a)anthracen	256				Compound Not Detected.		
146 Benzo(a)pyrene	252				Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
150 Dibenz(a,h)anthracene	278				Compound Not Detected.		
151 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 154 Nitrobenzene-d5	82	5.131	5.133	(0.878)	248723	76.2019	38.101
\$ 155 2-Fluorobiphenyl	172	7.301	7.297	(0.867)	447456	73.6322	36.816
\$ 156 Terphenyl-d14	244	14.914	14.890	(0.870)	640635	69.9721	34.986
\$ 157 Phenol-d5	99	4.365	4.367	(0.945)	420004	108.296	54.148
\$ 158 2-Fluorophenol	112	3.572	3.568	(0.773)	319729	98.0378	49.019
\$ 159 2,4,6-Tribromophenol	330	9.929	9.924	(0.879)	170438	132.050	66.025
\$ 186 2-Chlorophenol-d4	132	4.466	4.461	(0.967)	359476	118.143	59.071
\$ 187 1,2-Dichlorobenzene-d4	152	4.788	4.784	(1.036)	155490	71.7059	35.853

QC Flag Legend

Q - Qualifier signal failed the ratio test.

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH240000 329

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V101

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L Q
110-86-1	Pyridine	20	U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H240000 329

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V101

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
84-66-2	Diethyl phthalate	10		U
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

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

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

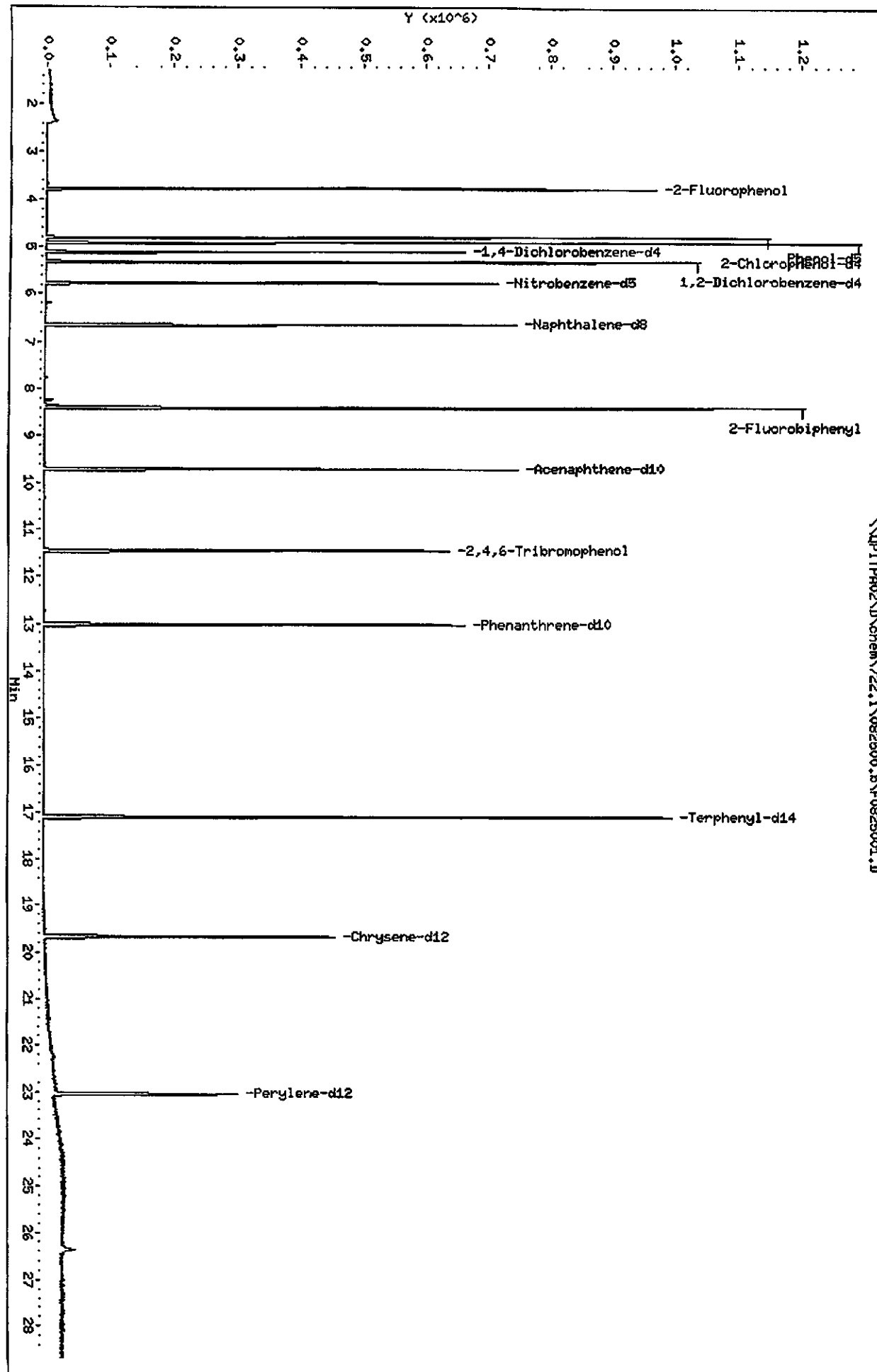
Matrix: (soil/water) WATER Lab Sample ID: COH240000 329
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 08/22/00
Work Order: DJD4V101 Date Extracted: 08/23/00
Dilution factor: 1 Date Analyzed: 08/25/00
Moisture %: NA

QC Batch: 0237329

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U
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



Data File: \\GPITPRO2\chem\722.1\082500.b\F0825001.D
 Date : 25-AUG-2000 15:22
 Client ID: INTRA-LAB BLANK
 Sample Info: COH220157-BLK 8/23/00 H2O (0237329)
 Volume Injected (uL): 2.0
 Column phase: Hp5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25

\\GPITPRO2\chem\722.1\082500.b\F0825001.D

Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825001.D
Report Date: 25-Aug-2000 16:35

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STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F0825001.D
Lab Smp Id: DJD4V101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 25-AUG-2000 15:22
Operator : 007062 Inst ID: 722.i
Smp Info : C0H220157-BLK 8/23/00 H2O (0237329)
Misc Info : dj4v101,082500.b,8270b.m,2-root.sub
Comment :
Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
Meth Date : 25-Aug-2000 16:33 bungardf Quant Type: ISTD
Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC083

8/23/00

Compound Sublist: 2-root.sub

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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.116	5.125	(1.000)	121392	40.0000	(Q)
* 2 Naphthalene-d8	136	6.660	6.680	(1.000)	510486	40.0000	
* 3 Acenaphthene-d10	164	9.715	9.735	(1.000)	318852	40.0000	
* 4 Phenanthrene-d10	188	13.027	13.058	(1.000)	548249	40.0000	
* 5 Chrysene-d12	240	19.673	19.715	(1.000)	421068	40.0000	
* 6 Perylene-d12	264	23.044	23.085	(1.000)	266543	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (NG)	FINAL (ug/L)
-----	----	--	-----	-----	-----		-----	-----
26 1,3-Dichlorobenzene	146	Compound	Not	Detected				
27 1,4-Dichlorobenzene	146	Compound	Not	Detected.				
28 1,2-Dichlorobenzene	146	Compound	Not	Detected.				
29 Benzyl Alcohol	108	Compound	Not	Detected				
30 2-Methylphenol	108	Compound	Not	Detected.				
31 2,2'-oxybis(1-Chloropropane)	45	Compound	Not	Detected.				
32 N-Nitroso-di-n-propylamine	70	Compound	Not	Detected.				
192 4-Methylphenol	108	Compound	Not	Detected.				
34 Hexachloroethane	117	Compound	Not	Detected.				
35 Nitrobenzene	77	Compound	Not	Detected.				
41 Isophorone	82	Compound	Not	Detected.				
42 2-Nitrophenol	139	Compound	Not	Detected.				
43 2,4-Dimethylphenol	107	Compound	Not	Detected.				
44 bis(2-Chloroethoxy)methane	93	Compound	Not	Detected.				
48 2,4-Dichlorophenol	162	Compound	Not	Detected.				
49 Benzoic Acid	122	Compound	Not	Detected.				
50 1,2,4-Trichlorobenzene	180	Compound	Not	Detected.				
51 Naphthalene	128	Compound	Not	Detected.				
52 4-Chloroaniline	127	Compound	Not	Detected.				
56 Hexachlorobutadiene	224	Compound	Not	Detected.				
59 4-Chloro-3-Methylphenol	107	Compound	Not	Detected.				
62 2-Methylnaphthalene	142	Compound	Not	Detected.				
205 1-Methylnaphthalene	142	Compound	Not	Detected.				
64 Hexachlorocyclopentadiene	236	Compound	Not	Detected.				
66 2,4,6-Trichlorophenol	196	Compound	Not	Detected.				
67 2,4,5-Trichlorophenol	196	Compound	Not	Detected.				
70 2-Chloronaphthalene	162	Compound	Not	Detected.				
73 2-Nitroaniline	65	Compound	Not	Detected.				
76 Dimethylphthalate	163	Compound	Not	Detected.				
78 2,6-Dinitrotoluene	165	Compound	Not	Detected.				
79 Acenaphthylene	152	Compound	Not	Detected.				
81 3-Nitroaniline	138	Compound	Not	Detected.				
82 Acenaphthene	153	Compound	Not	Detected.				
83 2,4-Dinitrophenol	184	Compound	Not	Detected.				
85 4-Nitrophenol	109	Compound	Not	Detected.				
86 Dibenzofuran	168	Compound	Not	Detected.				
87 2,4-Dinitrotoluene	165	Compound	Not	Detected.				
91 2,3,5,6-Tetrachlorophenol	232	Compound	Not	Detected.				
88 2,3,4,6-Tetrachlorophenol	232	Compound	Not	Detected.				
93 Diethylphthalate	149	Compound	Not	Detected.				
94 Fluorene	166	Compound	Not	Detected.				
95 4-Chlorophenyl-phenylether	204	Compound	Not	Detected.				
96 4-Nitroaniline	138	Compound	Not	Detected.				
98 4,6-Dinitro-2-methylphenol	198	Compound	Not	Detected.				
99 N-Nitrosodiphenylamine	169	Compound	Not	Detected.				
100 1,2-Diphenylhydrazine	77	Compound	Not	Detected.				
106 4-Bromophenyl-phenylether	248	Compound	Not	Detected.				

Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825001.D
Report Date: 25-Aug-2000 16:35

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
107 Hexachlorobenzene	283				Compound Not Detected.		
111 Pentachlorophenol	265				Compound Not Detected.		
115 Phenanthrene	178				Compound Not Detected.		
116 Anthracene	178				Compound Not Detected.		
119 Carbazole	167				Compound Not Detected.		
120 Di-n-Butylphthalate	149				Compound Not Detected.		
123 Fluoranthene	202				Compound Not Detected.		
124 Benzidine	184				Compound Not Detected.		
125 Pyrene	202				Compound Not Detected.		
131 Butylbenzylphthalate	149				Compound Not Detected.		
135 3,3'-Dichlorobenzidine	252				Compound Not Detected.		
136 Benzo(a)Anthracene	228				Compound Not Detected.		
137 Chrysene	228				Compound Not Detected.		
139 bis(2-ethylhexyl) Phthalate	149				Compound Not Detected.		
140 Di-n-octylphthalate	149				Compound Not Detected.		
141 Benzo(b)fluoranthene	252				Compound Not Detected.		
142 Benzo(k)fluoranthene	252				Compound Not Detected.		
143 7,12-dimethylbenz[a]anthracen	256				Compound Not Detected.		
146 Benzo(a)pyrene	252				Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene	276				Compound Not Detected.		
150 Dibenz(a,h)anthracene	278				Compound Not Detected.		
151 Benzo(g,h,i)perylene	276				Compound Not Detected.		
\$ 154 Nitrobenzene-d5	82	5.778	5.798	(0.868)	290860	64.2523	32.1
\$ 155 2-Fluorobiphenyl	172	8.417	8.443	(0.866)	626736	61.4007	30.7
\$ 156 Terphenyl-d14	244	17.109	17.134	(0.870)	729078	70.4036	35.2
\$ 157 Phenol-d5	99	4.800	4.821	(0.938)	426036	105.504	52.8
\$ 158 2-Fluorophenol	112	3.796	3.790	(0.742)	305421	98.0231	49.0
\$ 159 2,4,6-Tribromophenol	330	11.462	11.493	(0.880)	123862	102.083	51.0
\$ 186 2-Chlorophenol-d4	132	4.913	4.922	(0.960)	402782	115.793	57.9
\$ 187 1,2-Dichlorobenzene-d4	152	5.329	5.339	(1.042)	183151	66.9974	33.5

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F0825001.D
Lab Smp Id: DJD4V101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 25-AUG-2000 15:22
Operator : 007062 Inst ID: 722.i
Smp Info : C0H220157-BLK 8/23/00 H2O (0237329)
Misc Info : djd4v101,082500.b,8270b.m,2-root.sub
Comment :
Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
Meth Date : 25-Aug-2000 16:33 bungardf Quant Type: ISTD
Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.04
Processing Host: PITPC083

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

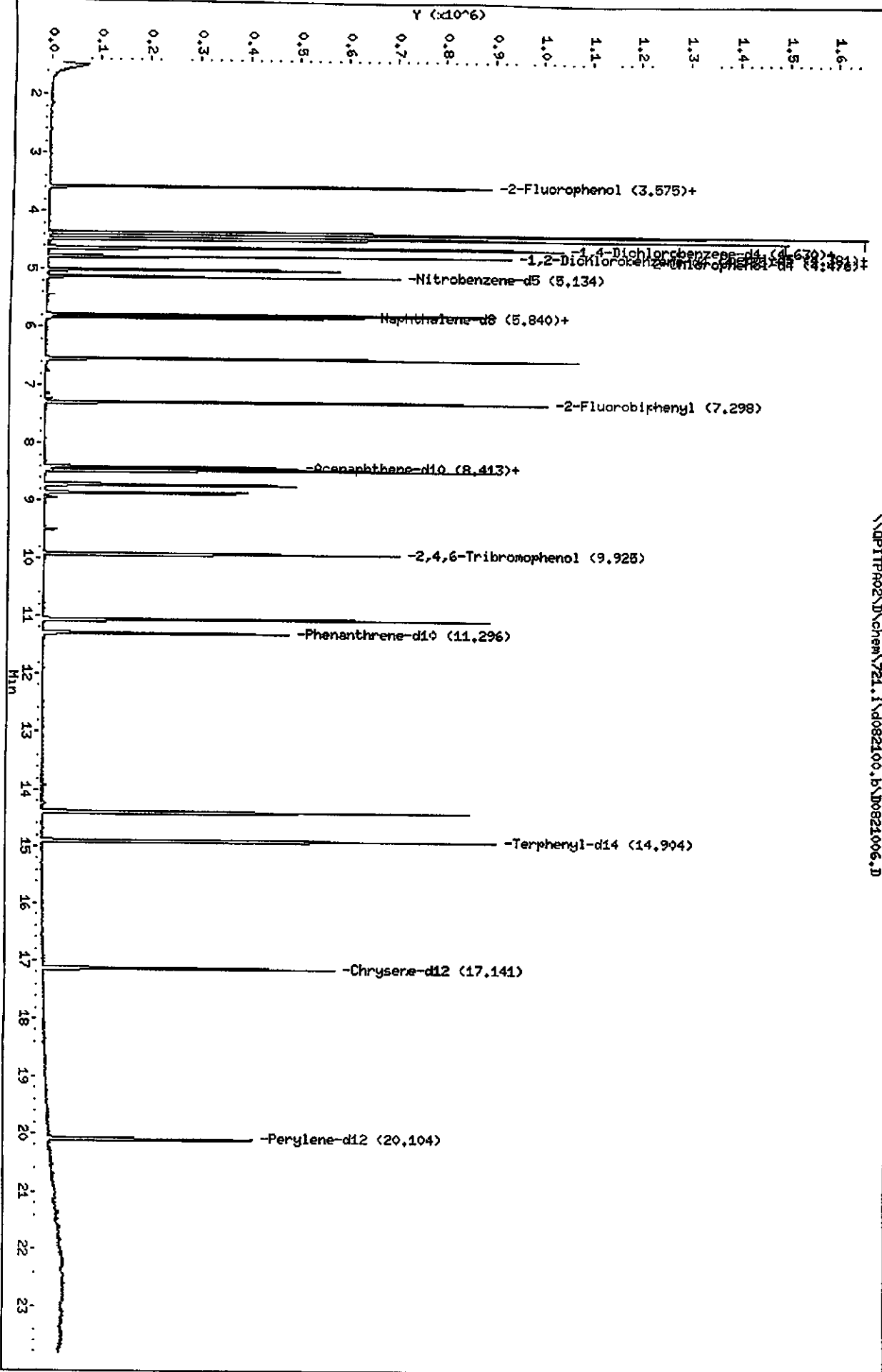
QC Batch: 0230354

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	35.6	
59-50-7	4-Chloro-3-methylphenol	55.5	
95-57-8	2-Chlorophenol	49.0	
106-46-7	1,4-Dichlorobenzene	32.7	
121-14-2	2,4-Dinitrotoluene	29.1	
100-02-7	4-Nitrophenol	58.4	
621-64-7	N-Nitrosodi-n-propylamine	32.0	
87-86-5	Pentachlorophenol	58.3	
108-95-2	Phenol	46.2	
129-00-0	Pyrene	28.4	
120-82-1	1,2,4-Trichlorobenzene	33.6	

Data File: \\QPIITP002\chem\721.1\08082100.b\080821006.D
 Date : 21-AUG-2000 15:19
 Client ID: INTRA-LAB CHECK
 Sample Info: c0hd50146-1os h2o 8/16/00 82700
 Volume Injected (uL): 2.0
 Column phase: Hp5-HS

Instrument: 721.1
 Operator: 001562, JLF
 Column diameter: 0.25



Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821006.D
Report Date: 22-Aug-2000 18:15

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STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d082100.b\D0821006.D
Lab Smp Id: DJ225102 Client Smp ID: INTRA-LAB CHECK
Inj Date : 21-AUG-2000 15:19
Operator : 001562, DLF Inst ID: 721.i
Smp Info : c0h150146-lcs h2o 8/16/00 8270c
Misc Info : dj225102,d082100.b,8270c.m,3-root.sub
Comment :
Method : \\Qpitpa02\D\chem\721.i\d082100.b\8270c.m
Meth Date : 21-Aug-2000 13:08 ferguson Quant Type: ISTD
Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: PITPC013

Compound Sublist: 3-root.sub

und 8/22/00

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

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)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.623	4.616	(1.000)	94092	40.0000	
* 2 Naphthalene-d8	136	5.839	5.839	(1.000)	315741	40.0000	
* 3 Acenaphthene-d10	164	8.413	8.412	(1.000)	171543	40.0000	
* 4 Phenanthrene-d10	188	11.295	11.288	(1.000)	308780	40.0000	
* 5 Chrysene-d12	240	17.141	17.134	(1.000)	381758	40.0000	
* 6 Perylene-d12	264	20.111	20.104	(1.000)	282595	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	4.381	4.374	(0.948)	361031	92.4402	46.220(Q)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	4.475	4.475	(0.968)	317156	98.0772	49.039
26 1,3-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (NG)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
27 1,4-Dichlorobenzene	146	4.636	4.629	(1.003)	228647	65 3456	32.673	
28 1,2-Dichlorobenzene	146	Compound Not Detected.						
29 Benzyl Alcohol	108	Compound Not Detected.						
30 2-Methylphenol	108	Compound Not Detected.						
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.						
32 N-Nitroso-di-n-propylamine	70	5.013	5.019	(1.084)	124380	64.0447	32.022	
192 4-Methylphenol	108	Compound Not Detected.						
34 Hexachloroethane	117	Compound Not Detected.						
35 Nitrobenzene	77	Compound Not Detected.						
41 Isophorone	82	5.839	5.375	(1.000)	9091	1.76552	0.88276 (a)	
42 2-Nitrophenol	139	Compound Not Detected.						
43 2,4-Dimethylphenol	107	Compound Not Detected.						
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.						
48 2,4-Dichlorophenol	162	Compound Not Detected.						
49 Benzoic Acid	122	Compound Not Detected.						
50 1,2,4-Trichlorobenzene	180	5.792	5.792	(0.992)	184995	67.1910	33.595	
51 Naphthalene	128	Compound Not Detected.						
52 4-Chloroaniline	127	Compound Not Detected.						
56 Hexachlorobutadiene	224	Compound Not Detected.						
59 4-Chloro-3-Methylphenol	107	6.538	6.544	(1.120)	268678	110.990	55 495	
62 2-Methylnaphthalene	142	Compound Not Detected.						
63 1-Methylnaphthalene	142	Compound Not Detected.						
64 Hexachlorocyclopentadiene	236	Compound Not Detected.						
66 2,4,6-Trichlorophenol	196	Compound Not Detected.						
67 2,4,5-Trichlorophenol	196	Compound Not Detected.						
70 2-Chloronaphthalene	162	Compound Not Detected.						
73 2-Nitroaniline	65	Compound Not Detected.						
76 Dimethylphthalate	163	Compound Not Detected.						
78 2,6-Dinitrotoluene	165	Compound Not Detected.						
79 Acenaphthylene	152	Compound Not Detected.						
81 3-Nitroaniline	138	Compound Not Detected.						
82 Acenaphthene	153	8.473	8.473	(1.007)	321226	71.1017	35.551	
83 2,4-Dinitrophenol	184	Compound Not Detected.						
85 4-Nitrophenol	109	8.728	8.721	(1.038)	133848	116.702	58.351 (Q)	
86 Dibenzofuran	168	Compound Not Detected.						
87 2,4-Dinitrotoluene	165	8.863	8.869	(1.054)	112311	58.1232	29.062	
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.						
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.						
92 2-Naphthylamine	143	Compound Not Detected.						
93 Diethylphthalate	149	Compound Not Detected.						
94 Fluorene	166	Compound Not Detected.						
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.						
96 4-Nitroaniline	138	Compound Not Detected.						
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.						
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.						
100 1,2-Diphenylhydrazine	77	Compound Not Detected.						
106 4-Bromophenyl-phenylether	248	Compound Not Detected.						

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821006.D
Report Date: 22-Aug-2000 18:15

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Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(NG)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
107 Hexachlorobenzene		283				Compound Not Detected.		
111 Pentachlorophenol		266	11.067	11.060	(0.980)	164478	116.506	58.253
115 Phenanthrene		178				Compound Not Detected.		
116 Anthracene		178				Compound Not Detected.		
119 Carbazole		167				Compound Not Detected.		
120 Di-n-Butylphthalate		149				Compound Not Detected.		
123 Fluoranthene		202				Compound Not Detected.		
124 Benzidine		184				Compound Not Detected.		
125 Pyrene		202	14.406	14.392	(0.840)	647395	56.7301	28.365
131 Butylbenzylphthalate		149				Compound Not Detected.		
135 3,3'-Dichlorobenzidine		252				Compound Not Detected.		
136 Benzo(a)Anthracene		228				Compound Not Detected.		
137 Chrysene		228				Compound Not Detected.		
139 bis(2-ethylhexyl)Phthalate		149				Compound Not Detected.		
140 Di-n-octylphthalate		149				Compound Not Detected.		
141 Benzo(b)fluoranthene		252				Compound Not Detected.		
142 Benzo(k)fluoranthene		252				Compound Not Detected.		
143 7,12-dimethylbenz[a]anthracene		256				Compound Not Detected.		
146 Benzo(a)pyrene		252				Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene		276				Compound Not Detected.		
150 Dibenz(a,h)anthracene		278				Compound Not Detected.		
151 Benzo(g,h,i)perylene		276				Compound Not Detected.		
\$ 154 Nitrobenzene-d5		82	5.134	5.133	(0.879)	216132	69.4529	34.726
\$ 155 2-Fluorobiphenyl		172	7.297	7.297	(0.867)	380052	67.9933	33.997
\$ 156 Terphenyl-d14		244	14.903	14.890	(0.869)	507782	55.3261	27.663
\$ 157 Phenol-d5		99	4.374	4.367	(0.946)	366967	96.8970	48.448
\$ 158 2-Fluorophenol		112	3.575	3.568	(0.773)	277166	87.0317	43.516
\$ 159 2,4,6-Tribromophenol		330	9.924	9.924	(0.879)	136085	110.769	55.385
\$ 186 2-Chlorophenol-d4		132	4.462	4.461	(0.965)	315267	106.106	53.053
\$ 187 1,2-Dichlorobenzene-d4		152	4.784	4.784	(1.035)	135687	64.0791	32.040

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH170000 354

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ225103

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/21/00

Moisture %: NA

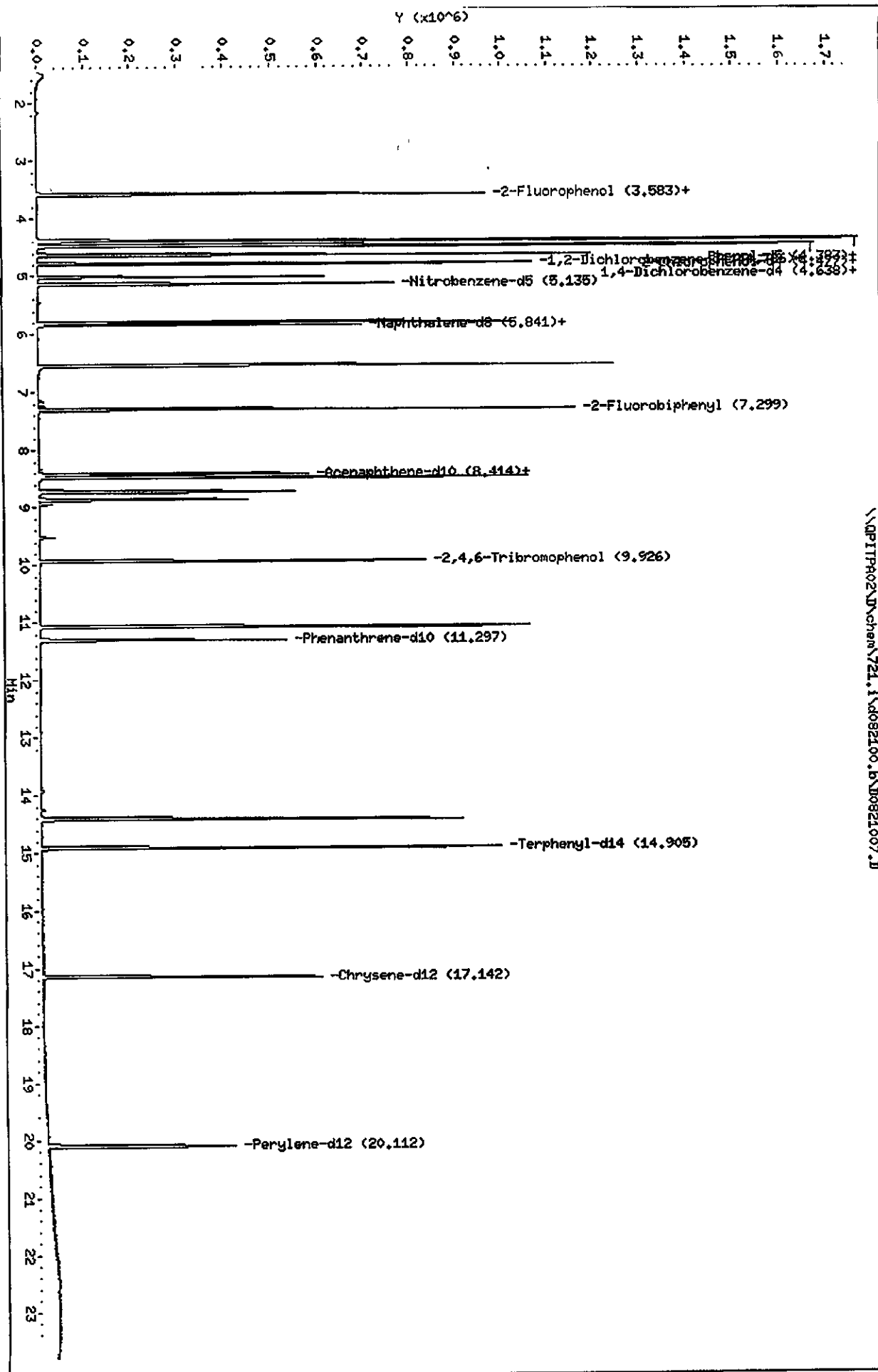
QC Batch: 0230354

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	35.8	
59-50-7	4-Chloro-3-methylphenol	57.2	
95-57-8	2-Chlorophenol	52.0	
106-46-7	1,4-Dichlorobenzene	34.1	
121-14-2	2,4-Dinitrotoluene	30.1	
100-02-7	4-Nitrophenol	58.3	
621-64-7	N-Nitrosodi-n-propylamine	34.2	
87-86-5	Pentachlorophenol	65.9	
108-95-2	Phenol	47.5	
129-00-0	Pyrene	29.4	
120-82-1	1,2,4-Trichlorobenzene	35.6	

Data File: \\GPITPA02\chem\721.1\082100.b\0821007.D
 Date: 21-AUG-2000 15:49
 Client ID: INTRA-LAB CHECK
 Sample Info: 001562-10sd h2o 8/16/00 82700
 Volume Injected (ul): 2.0
 Column phase: Hp5-MS

Instrument: 721.1
 Operator: 001562, MLF
 Column diameter: 0.25



STL Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\Qpitpa02\D\chem\721.i\d082100.b\D0821007.D
 Lab Smp Id: DJ225103 Client Smp ID: INTRA-LAB CHECK
 Inj Date : 21-AUG-2000 15:49
 Operator : 001562, DLF Inst ID: 721.i
 Smp Info : c0h150146-lcsd h2o 8/16/00 8270c
 Misc Info : dj225103,d082100.b,8270c.m,3-root.sub
 Comment :
 Method : \\Qpitpa02\D\chem\721.i\d082100.b\8270c.m
 Meth Date : 21-Aug-2000 13:08 ferguson Quant Type: ISTD
 Cal Date : 18-AUG-2000 15:33 Cal File: D0818CC5.D
 Als bottle: 9 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 3-root.sub
 Target Version: 4.04
 Processing Host: PITPC013

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

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)

						CONCENTRATIONS			
		QUANT	SIG					ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(NG)	(ug/L)	
*****		----	--	-----	-----	-----	-----	-----	
*	1 1,4-Dichlorobenzene-d4	152	4.624	4.616	(1.000)	103753	40.0000		
*	2 Naphthalene-d8	136	5.840	5.839	(1.000)	358484	40.0000		
*	3 Acenaphthene-d10	164	8.414	8.412	(1.000)	194567	40.0000		
*	4 Phenanthrene-d10	188	11.296	11.288	(1.000)	340227	40.0000		
*	5 Chrysene-d12	240	17.142	17.134	(1.000)	406572	40.0000		
*	6 Perylene-d12	264	20.105	20.104	(1.000)	304947	40.0000		
	10 N-Nitrosodimethylamine	74	Compound Not Detected.						
	9 Pyridine	79	Compound Not Detected.						
	16 Methyl methanesulfonate	80	Compound Not Detected.						
	21 Aniline	93	Compound Not Detected.						
	22 Phenol	94	4.389	4.374	(0.949)	408815	94.9282	47.464 (Q)	
	23 bis(2-Chloroethyl)ether	93	Compound Not Detected.						
	24 2-Chlorophenol	128	4.483	4.475	(0.969)	371031	104.054	52.027	
	26 1,3-Dichlorobenzene	146	Compound Not Detected.						

Data File: \\Qpitpa02\D\chem\721.i\d082100.b\D0821007.D
 Report Date: 22-Aug-2000 18:15

Page 2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
27 1,4-Dichlorobenzene	146	4.637	4.629	(1.003)	263511	68.2970	34.148
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	5.020	5.019	(1.086)	146637	68.4744	34.237
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	5.793	5.792	(0.992)	222762	71.2612	35.630
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	6.539	6.544	(1.120)	314453	114.411	57.206
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	8.474	8.473	(1.007)	367330	71.6852	35.842
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	8.729	8.721	(1.038)	151664	116.588	58.294
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	8.870	8.869	(1.054)	131897	60.1819	30.091
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (NG)	FINAL (ug/L)
=====	----	----	==	=====	=====	=====	=====	=====
107 Hexachlorobenzene	283					Compound Not Detected.		
111 Pentachlorophenol	266		11.068	11.060	(0.980)	204962	131.763	65.882
115 Phenanthrene	178					Compound Not Detected.		
116 Anthracene	178					Compound Not Detected.		
119 Carbazole	167					Compound Not Detected.		
120 Di-n-Butylphthalate	149					Compound Not Detected.		
123 Fluoranthene	202					Compound Not Detected.		
124 Benzidine	184					Compound Not Detected.		
125 Pyrene	202		14.407	14.392	(0.840)	713596	58.7147	29.357
131 Butylbenzylphthalate	149					Compound Not Detected.		
135 3,3'-Dichlorobenzidine	252					Compound Not Detected.		
136 Benzo(a)Anthracene	228					Compound Not Detected.		
137 Chrysene	228					Compound Not Detected.		
139 bis(2-ethylhexyl)Phthalate	149					Compound Not Detected.		
140 Di-n-octylphthalate	149					Compound Not Detected.		
141 Benzo(b)fluoranthene	252					Compound Not Detected.		
142 Benzo(k)fluoranthene	252					Compound Not Detected.		
143 7,12-dimethylbenz[a]anthracene	256					Compound Not Detected.		
146 Benzo(a)pyrene	252					Compound Not Detected.		
149 Indeno(1,2,3-cd)pyrene	276					Compound Not Detected.		
150 Dibenz(a,h)anthracene	278					Compound Not Detected.		
151 Benzo(g,h,i)perylene	276					Compound Not Detected.		
\$ 154 Nitrobenzene-d5	82		5.135	5.133	(0.879)	246638	69.8060	34.903
\$ 155 2-Fluorobiphenyl	172		7.298	7.297	(0.867)	455806	71.8964	35.948
\$ 156 Terphenyl-d14	244		14.904	14.890	(0.869)	561294	57.4241	28.712
\$ 157 Phenol-d5	99		4.375	4.367	(0.946)	418947	100.322	50.161
\$ 158 2-Fluorophenol	112		3.589	3.568	(0.776)	320317	91.2157	45.608
\$ 159 2,4,6-Tribromophenol	330		9.925	9.924	(0.879)	160100	118.272	59.136
\$ 186 2-Chlorophenol-d4	132		4.469	4.461	(0.967)	365421	111.534	55.767
\$ 187 1,2-Dichlorobenzene-d4	152		4.785	4.784	(1.035)	155672	66.6716	33.336

QC Flag Legend

Q - Qualifier signal failed the ratio test.

UXB INTERNATIONAL
CHECK SAMPLE COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH240000 329
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 08/22/00
Work Order: DJD4V102 Date Extracted: 08/23/00
Dilution factor: 1 Date Analyzed: 08/25/00
Moisture %: NA

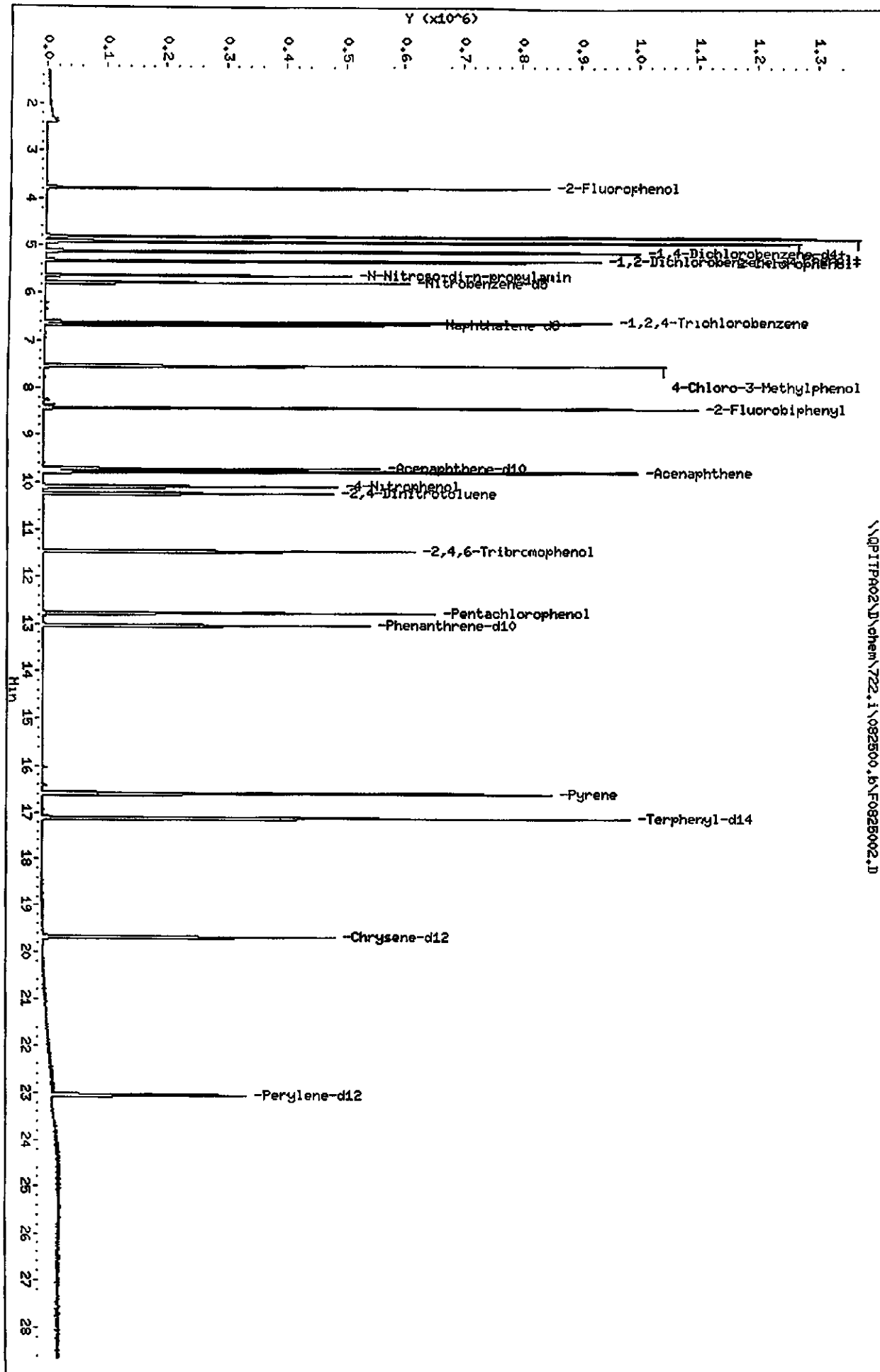
QC Batch: 0237329

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	34.6	
59-50-7	4-Chloro-3-methylphenol	53.7	
95-57-8	2-Chlorophenol	53.3	
106-46-7	1,4-Dichlorobenzene	34.8	
121-14-2	2,4-Dinitrotoluene	32.4	
100-02-7	4-Nitrophenol	49.4	
621-64-7	N-Nitrosodi-n-propylamine	36.6	
87-86-5	Pentachlorophenol	68.8	
108-95-2	Phenol	48.6	
129-00-0	Pyrene	34.0	
120-82-1	1,2,4-Trichlorobenzene	35.3	

Data File: \\QPIITPA02\J\chem\722.1\082500.b\F0825002.D
 Date: 28-AUG-2000 15:56
 Client ID: INTRA-LAB CHECK
 Sample Info: COH220157-LCS 8/23/00 H2O (0237329)
 Volume Injected (uL): 2.0
 Column phase: HP5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25



Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825002.D
 Report Date: 25-Aug-2000 16:36

STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F0825002.D
 Lab Smp Id: DJD4V102 Client Smp ID: INTRA-LAB CHECK
 Inj Date : 25-AUG-2000 15:56
 Operator : 007062 Inst ID: 722.i
 Smp Info : COH220157-LCS 8/23/00 H2O (0237329)
 Misc Info : djd4v102,082500.b,8270b.m,2-root.sub
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 16:33 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
 Als bottle: 4 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 2-root.sub
 Target Version: 4.04
 Processing Host: PITPC083

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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.115	5.125	(1.000)	99947	40.0000	(Q)
* 2 Naphthalene-d8	136	6.670	6.680	(1.000)	405763	40.0000	
* 3 Acenaphthene-d10	164	9.725	9.735	(1.000)	248884	40.0000	
* 4 Phenanthrene-d10	188	13.043	13.058	(1.000)	464967	40.0000	
* 5 Chrysene-d12	240	19.688	19.715	(1.000)	439609	40.0000	
* 6 Perylene-d12	264	23.059	23.085	(1.000)	293344	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	4.816	4.831	(0.942)	348002	97.2956	48.6 (Q)
23 bis(2-Chloroethyl) ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	4.928	4.944	(0.963)	328938	106.631	53.3
26 1,3-Dichlorobenzene	146	Compound Not Detected.					

668 370

Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825002.D
Report Date: 25-Aug-2000 16:36

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Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (NG)	FINAL (ug/L)
27 1,4-Dichlorobenzene	146	5.136	5.141	(1.004)	263049	69.5306	34.8
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	5.633	5.659	(1.101)	135230	73.1282	36.6
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	6.611	6.626	(0.991)	237342	70.6114	35.3
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	7.535	7.567	(1.130)	329806	107.447	53.7
62 2-Methylnaphthalene	142	Compound Not Detected.					
205 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	9.795	9.810	(1.007)	466682	69.2601	34.6
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	10.099	10.131	(1.038)	162293	98.8184	49.4 (Q)
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	10.244	10.275	(1.053)	160472	64.8693	32.4
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					

Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825002.D
Report Date: 25-Aug-2000 16:36

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
111 Pentachlorophenol	266	12.776	12.797	(0.980)	135952	137.674	68.8
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	16.595	16.611	(0.843)	900959	67.9420	34.0
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
\$ 154 Nitrobenzene-d5	82	5.783	5.798	(0.867)	247259	68.7176	34.4
\$ 155 2-Fluorobiphenyl	172	8.422	8.443	(0.866)	547343	68.6975	34.3
\$ 156 Terphenyl-d14	244	17.119	17.134	(0.869)	731032	67.6150	33.8
\$ 157 Phenol-d5	99	4.805	4.821	(0.939)	357956	107.665	53.8
\$ 158 2-Fluorophenol	112	3.780	3.790	(0.739)	259157	101.021	50.5
\$ 159 2,4,6-Tribromophenol	330	11.472	11.493	(0.880)	116461	113.175	56.6
\$ 186 2-Chlorophenol-d4	132	4.912	4.922	(0.960)	340075	118.743	59.4
\$ 187 1,2-Dichlorobenzene-d4	152	5.329	5.339	(1.042)	160050	71.1090	35.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H240000 329

Method: SW846 8270C

Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL

Date Received: 08/22/00

Work Order: DJD4V103

Date Extracted: 08/23/00

Dilution factor: 1

Date Analyzed: 08/25/00

Moisture %: NA

QC Batch: 0237329

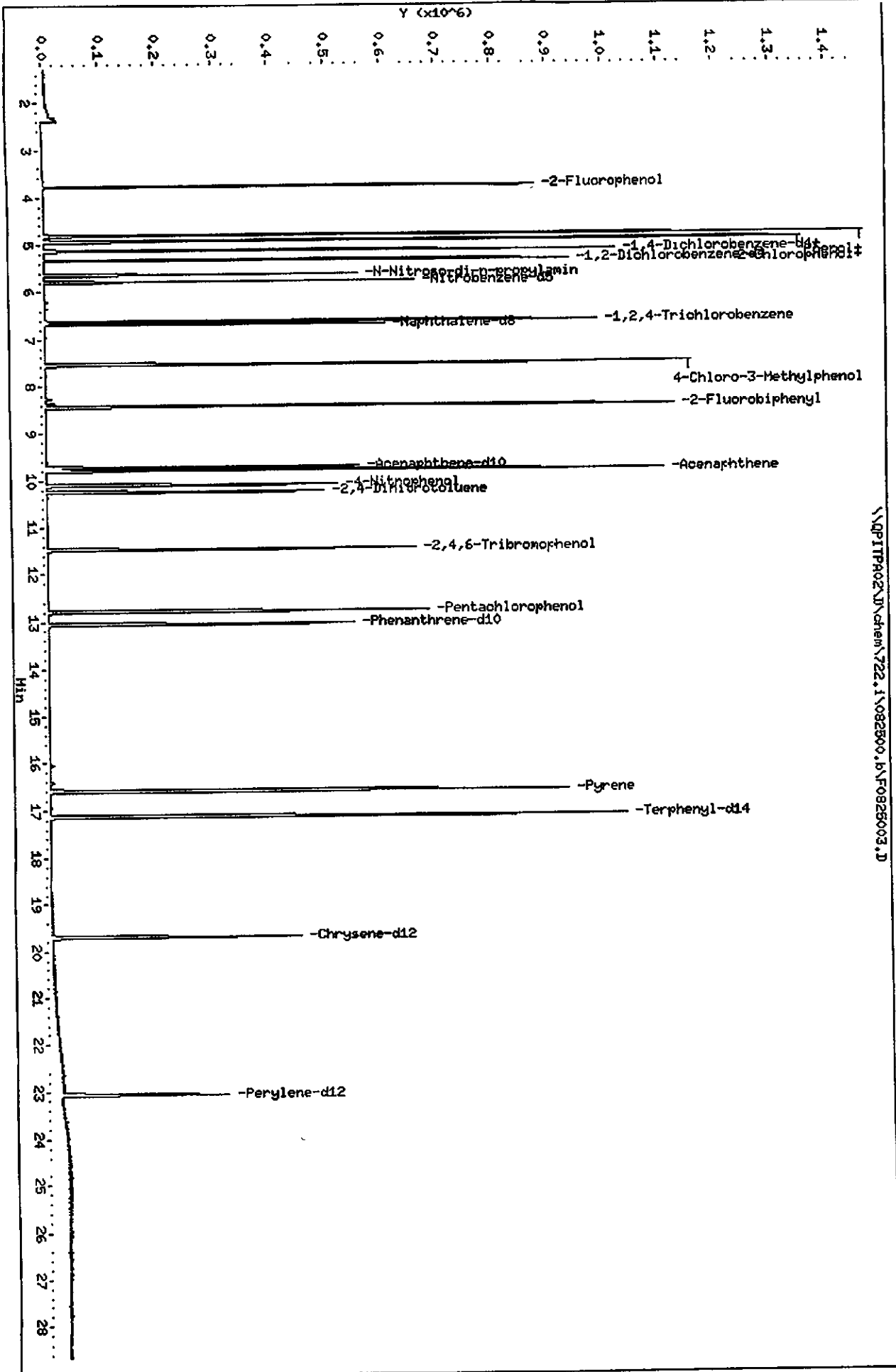
Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
83-32-9	Acenaphthene	38.6	
59-50-7	4-Chloro-3-methylphenol	60.9	
95-57-8	2-Chlorophenol	61.2	
106-46-7	1,4-Dichlorobenzene	38.4	
121-14-2	2,4-Dinitrotoluene	36.0	
100-02-7	4-Nitrophenol	54.3	
621-64-7	N-Nitrosodi-n-propylamine	42.6	
87-86-5	Pentachlorophenol	75.5	
108-95-2	Phenol	57.5	
129-00-0	Pyrene	39.0	
120-82-1	1,2,4-Trichlorobenzene	37.9	

Data File: \NPITPA02\Nchem\722.1\082500.b\F0825003.D
 Date: 25-AUG-2000 16:30
 Client ID: INTRA-LAB CHECK
 Sample Info: COH20157-1-CDH 8/23/00 H2O (0237329)
 Volume Injected (uL): 2.0
 Column phase: HP5-MS

Instrument: 722.1
 Operator: 007062
 Column diameter: 0.25

\NPITPA02\Nchem\722.1\082500.b\F0825003.D



668 374

Data File: \\QPITPA02\D\chem\722.i\082500.b\F0825003.D
 Report Date: 25-Aug-2000 17:03

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STL - Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\QPITPA02\D\chem\722.i\082500.b\F0825003.D
 Lab Smp Id: DJD4V103 Client Smp ID: INTRA-LAB CHECK
 Inj Date : 25-AUG-2000 16:30
 Operator : 007062 Inst ID: 722.i
 Smp Info : C0H220157-LCSD 8/23/00 H2O (0237329)
 Misc Info : djd4v103,082500.b,8270b.m,2-root.sub
 Comment :
 Method : \\QPITPA02\D\chem\722.i\082500.b\8270b.m
 Meth Date : 25-Aug-2000 16:33 bungardf Quant Type: ISTD
 Cal Date : 25-AUG-2000 14:47 Cal File: F08250C5.D
 Als bottle: 5 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.04
 Processing Host: PITPC083

Compound Sublist: 2-root.sub

in
8/25/00

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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.118	5.125	(1.000)	93082	40.0000	(Q)
* 2 Naphthalene-d8	136	6.673	6.680	(1.000)	395037	40.0000	
* 3 Acenaphthene-d10	164	9.729	9.735	(1.000)	242950	40.0000	
* 4 Phenanthrene-d10	188	13.046	13.058	(1.000)	453286	40.0000	
* 5 Chrysene-d12	240	19.692	19.715	(1.000)	402794	40.0000	
* 6 Perylene-d12	264	23.063	23.085	(1.000)	269297	40.0000	
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	4.819	4.831	(0.942)	383374	115.090	57.5 (Q)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	4.931	4.944	(0.963)	351632	122.395	61.2
26 1,3-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
								(NG)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
27 1,4-Dichlorobenzene	146		5.140	5.141	(1.004)	270696	76.8290	38.4	
28 1,2-Dichlorobenzene	146		Compound Not Detected.						
29 Benzyl Alcohol	108		Compound Not Detected.						
30 2-Methylphenol	108		Compound Not Detected.						
31 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.						
32 N-Nitroso-di-n-propylamine	70		5.637	5.659	(1.101)	146720	85.1933	42.6	
192 4-Methylphenol	108		Compound Not Detected.						
34 Hexachloroethane	117		Compound Not Detected.						
35 Nitrobenzene	77		Compound Not Detected.						
41 Isophorone	82		Compound Not Detected.						
42 2-Nitrophenol	139		Compound Not Detected.						
43 2,4-Dimethylphenol	107		Compound Not Detected.						
44 bis(2-Chloroethoxy)methane	93		Compound Not Detected.						
48 2,4-Dichlorophenol	162		Compound Not Detected.						
49 Benzoic Acid	122		Compound Not Detected.						
50 1,2,4-Trichlorobenzene	180		6.614	6.626	(0.991)	247842	75.7373	37.9	
51 Naphthalene	128		Compound Not Detected.						
52 4-Chloroaniline	127		Compound Not Detected.						
56 Hexachlorobutadiene	224		Compound Not Detected.						
59 4-Chloro-3-Methylphenol	107		7.538	7.567	(1.130)	364055	121.825	60.9	
62 2-Methylnaphthalene	142		Compound Not Detected.						
205 1-Methylnaphthalene	142		Compound Not Detected.						
64 Hexachlorocyclopentadiene	236		Compound Not Detected.						
66 2,4,6-Trichlorophenol	196		Compound Not Detected.						
67 2,4,5-Trichlorophenol	196		Compound Not Detected.						
70 2-Chloronaphthalene	162		Compound Not Detected.						
73 2-Nitroaniline	65		Compound Not Detected.						
76 Dimethylphthalate	163		Compound Not Detected.						
78 2,6-Dinitrotoluene	165		Compound Not Detected.						
79 Acenaphthylene	152		Compound Not Detected.						
81 3-Nitroaniline	138		Compound Not Detected.						
82 Acenaphthene	153		9.798	9.810	(1.007)	507875	77.2145	38.6	
83 2,4-Dinitrophenol	184		Compound Not Detected.						
85 4-Nitrophenol	109		10.108	10.131	(1.039)	174201	108.660	54.3 (Q)	
86 Dibenzofuran	168		Compound Not Detected.						
87 2,4-Dinitrotoluene	165		10.252	10.275	(1.054)	174084	72.0906	36.0	
91 2,3,5,6-Tetrachlorophenol	232		Compound Not Detected.						
88 2,3,4,6-Tetrachlorophenol	232		Compound Not Detected.						
93 Diethylphthalate	149		Compound Not Detected.						
94 Fluorene	166		Compound Not Detected.						
95 4-Chlorophenyl-phenylether	204		Compound Not Detected.						
96 4-Nitroaniline	138		Compound Not Detected.						
98 4,6-Dinitro-2-methylphenol	198		Compound Not Detected.						
99 N-Nitrosodiphenylamine	169		Compound Not Detected.						
100 1,2-Diphenylhydrazine	77		Compound Not Detected.						
106 4-Bromophenyl-phenylether	248		Compound Not Detected.						
107 Hexachlorobenzene	283		Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (NG)	FINAL (ug/L)
111 Pentachlorophenol	266	12.779	12.797	(0.980)	145320	150.953	75.5
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	16.599	16.611	(0.843)	948433	78.0591	39.0
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz(a)anthracene	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
\$ 154 Nitrobenzene-d5	82	5.786	5.798	(0.867)	261992	74.7892	37.4
\$ 155 2-Fluorobiphenyl	172	8.430	8.443	(0.867)	584401	75.1402	37.6
\$ 156 Terphenyl-d14	244	17.127	17.134	(0.870)	764087	77.1317	38.6
\$ 157 Phenol-d5	99	4.809	4.821	(0.939)	386372	124.783	62.4
\$ 158 2-Fluorophenol	112	3.783	3.790	(0.739)	275123	115.154	57.6
\$ 159 2,4,6-Tribromophenol	330	11.475	11.493	(0.880)	127877	127.472	63.7
\$ 186 2-Chlorophenol-d4	132	4.915	4.922	(0.960)	359143	134.649	67.3
\$ 187 1,2-Dichlorobenzene-d4	152	5.332	5.339	(1.042)	163778	78.1319	39.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

**GC/MS SEMIVOLATILE
MISCELLANEOUS**

668 378 Data Path: D:\HPCHEM\1\DATA\d081800.b\
Pre-Seq Cmd:
Post-Seq Cmd:

NEW
COLUMN

NEW
5 PTS

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

IS. -194-177-5 183-6 8-14-00

CLP
8270c

Line Type	Vial	DataFile	Method	Sample Name
1 Sample	100	D0818WUP	70EARLY	wup 50
2 Sample	100	D0818WU2	70EARLY	wup 50
3 Sample	100	D0818WU3	70EARLY	wup 50
4 Sample	133	D0818DFT	DFTHP90	dftpp (25ug/ml) 194-175-8
5 Sample	2	D0818CC1	70EARLY	sstd020 (10UG/ML) 194-188-3 8
6 Sample	3	D0818CC2	70EARLY	sstd050 (25UG/ML) 194-183-7 8
7 Sample	4	D0818CC3	70EARLY	sstd080 (40UG/ML) 194-188-5 8
8 Sample	5	D0818CC4	70EARLY	sstd120 (60UG/ML) 194-188-6 8
9 Sample	6	D0818CC5	70EARLY	sstd160 (80UG/ML) 194-188-7 8
10 Sample	7	D0818STV	70EARLY	STD VER 194-183-8
11 Sample	1	D0818DF2	DFTHP90	dftpp (25ug/ml) 194-175-8
12 Sample	1	D0818DF3	DFTHP90	dftpp (25ug/ml) 194-175-8
13 Sample	3	D0818CCC	70EARLY	sstd050 (25UG/ML) 194-183-7 8
14 Sample	8	D0818001	CLP	c0h120130-lcs h2o 8/14/00 clp
15 Sample	9	D0818002	CLP	c0h120130-lcsd h2o 8/14/00 cl
16 Sample	10	D0818003	CLP	c0h120130-003 h2o 8/14/00 clp
17 Sample	11	D0818004	70EARLY	c0h110155-sblk tclp 8/16/00 8
18 Sample	12	D0818005	70EARLY	c0h110155-lcs tclp 8/16/00 82
19 Sample	13	D0818006	70EARLY	c0h110155-001 tclp 8/16/00 82
20 Sample	14	D0818007	70EARLY	c0h110155-001ms tclp 8/16/00
21 Sample	15	D0818008	70EARLY	c0h110155-001msd tclp 8/16/00
22 Sample	16	D0818009	70EARLY	c0h110155-002 tclp 8/16/00 82
23 Sample	17	D0818010	70EARLY	c0h110155-003 tclp 8/16/00 82
24 Sample	18	D0818011	70EARLY	c0h110155-004 tclp 8/16/00 82
25 Sample	19	D0818012	70EARLY	c0h110155-005 tclp 8/16/00 82
26 Sample	20	D0818013	70EARLY	c0h110155-006 tclp 8/16/00 82
27 Sample	21	D0818014	70EARLY	c0h110155-007 tclp 8/16/00 82
28 Sample	22	D0818015	70EARLY	c0h110155-008 tclp 8/16/00 82
29 Sample	23	D0818016	70EARLY	c0h110155-009 tclp 8/16/00 82
30 Sample	24	D0818017	70EARLY	c0h110155-010 tclp 8/16/00 82
31 Sample	25	D0818018	70EARLY	c0h120157-001 tclp 8/16/00 82
32 Sample	26	D0818019	70EARLY	c0h120157-002 tclp 8/16/00 82
33 Sample	27	D0818020	70EARLY	c0h120157-003 tclp 8/16/00 82
34 Sample	28	D0818021	70EARLY	c0h110157-001 tclp 8/16/00 82
35 Sample	29	D0818022	70EARLY	blank
36 Sample	29	D0818023	70EARLY	blank

SAMPLES
MIXED UP
NRR ALL

Sequence File: C:\HPCHEM\1\SEQUENCE\082500.S

Comment: STL- PITT HP5973-2 LOG 2ul inj 100ul+1ul int

Operator: 007062

Data Path: C:\HPCHEM\1\DATA\082500.b\

Method Path: C:\HPCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	(12:14) 1	F0825DF1	DFTPP	DFTPP050 (25ppb) 194-175-8
2)	Sample	AOC 2	F08250C1	72EARLY	SSTD050 (25ppb) 194-183-13
3)	Sample	AOC 26	F08250C2	72EARLY	SSTD020 (10ppb) 194-188-3
4)	Sample	AOC 27	F08250C3	72EARLY	SSTD080 (40ppb) 194-188-5
5)	Sample	AOC 28	F08250C4	72EARLY	SSTD120 (60ppb) 194-188-6
6)	Sample	AOC 29	F08250C5	72EARLY	SSTD160 (80ppb) 194-188-7
7)	Sample	AOC 3	F0825001	72EARLY	C0H220157-BLK 8/23/00 H2O (02373
8)	Sample	AOC 4	F0825002	72EARLY	C0H220157-LCS 8/23/00 H2O (02373
9)	Sample	AOC 5	F0825003	72EARLY	C0H220157-LCSD 8/23/00 H2O (0237
10)	Sample	AOC 6	F0825004	72EARLY	C0H220157-003 8/23/00 H2O (02373
11)	Sample	kin ① 7	F0825005	72EARLY	C0H150146-001 R/E 8/23/00 H2O (0
12)	Sample	AOC 8	F0825006	72EARLY	C0H180146-BLK 8/23/00 2g/1ml (02
13)	Sample	AOC 9	F0825007	72EARLY	C0H180146-LCS 8/23/00 2g/1ml (02
14)	Sample	AOC 10	F0825008	72EARLY	C0H180146-001S 8/23/00 2g/1ml (0
15)	Sample	AOC 11	F0825009	72EARLY	C0H180146-001D 8/23/00 2g/1ml (0
16)	Sample	AOC 12	F0825010	72EARLY	C0H180146-001 8/23/00 2g/1ml (02
17)	Sample	PA (AOC) 13	F0825011	72EARLY	C0H180150-001 8/23/00 2g/1ml (02
18)	Sample	AOC 14	F0825012	72EARLY	C0H180151-001 8/23/00 2g/1ml (02
19)	Sample	① 15	F0825013	72EARLY	C0H180155-001 8/23/00 2g/1ml (02
20)	Sample	① 16	F0825014	72EARLY	C0H180159-001 8/23/00 2g/1ml (02
21)	Sample	① 17	F0825015	72EARLY	C0H180160-001 8/23/00 2g/1ml (02
22)	Sample	AOC 18	F0825016	72EARLY	C0H180163-001 8/23/00 2g/1ml (02
23)	Sample	19	F0825017	72EARLY	C0H180167-001 8/23/00 2g/1ml (02
24)	Sample	① 20	F0825018	72EARLY	C0H180171-001 8/23/00 2g/1ml (02
25)	Sample	① 21	F0825019	72EARLY	C0H180173-001 8/23/00 2g/1ml (02
26)	Sample	① 22	F0825020	72EARLY	C0H180175-001 8/23/00 2g/1ml (02
27)	Sample	25	F08020Z6	72EARLY	Clean out
28)	Sample	25	F08020Z7	72EARLY	Clean out
29)	Sample	25	F08020Z8	72EARLY	Clean out
30)	Sample	25	F08020Z9	72EARLY	Clean out
31)	Sample	25	F08020Z0	72EARLY	Clean out
32)	Sample	25	F08020Z1	72EARLY	Clean out

Bytes Needed: 1668444 Space on drive C: 902468096

Sequence Verification Done!

Continuous L-L Extraction Worksheet

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



Began 8/16/2000		Time 13:45		Prep Meth # 3520C		H2SO4 186-16-3		Solvent MeC/2		Solvent Lot 719271		NaSO4 Lot Number T23624		Clean up Method NA	
Change over 8/17/2000		Time 14:10		Analysis 8270		Client ID NA		Extract Vol (mL) 1000		Final Volume mL 1.0		pH 5/2/11		Surrogate Lot # 194-183-2	
Completed 8/18/2000		Time 13:55		Sample ID		Lot Number		Extract Vol (mL)		Final Volume mL		pH		Surrogate Lot #	
1.	COH150146	BIK													
2.		LCS													
3.		LCS Dup													
4.		001													
5.															
6.															
7.															
8.															
9.															
10.															
11.															
12.															
13.															
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15.															
16.															
17.															
18.															
19.															
20.															
21.															
22.															
23.															
Prep Analyst: WT		WT		WT		WT		WT		WT		WT		WT	
Extract(s)		WT		WT		WT		WT		WT		WT		WT	
(Record line number from above)		8-18-00		13:55		James M. Ma		James M. Ma		James M. Ma		James M. Ma		James M. Ma	
ALL ABOVE		8-21-00		11:30		James M. Ma		James M. Ma		James M. Ma		James M. Ma		James M. Ma	
all above		8-21-00		11:30		James M. Ma		James M. Ma		James M. Ma		James M. Ma		James M. Ma	
Batch Number: 0230354		Date 8-18-00		Time 13:55		Analyst James M. Ma		Date 8-18-00		Time 14:00		Analyst James M. Ma		Date 8-18-00	

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



Continuous L-L Extraction Worksheet

Began	8/23/2000	Time	13:00	Prep Meth #	35220C	H2SO4	186-16-3	Solvent	MeCl2	Solvent Lot	T19271	NaSO4 Lot Number	T03265	Clean up Method	NA
Change over	8:24:00	Time	10:00	Analysis	8270	NaOH	0166-19	Solvent	Mfg. Baker	Surrogate	Lot #	Surr Vol	(mL)	Matrix Spike	Lot #
Completed	8:25:00	Time	09:15	Client ID	NA	Extract Vol	(mL)	Final Volume	mL	pH	194-183-2	0.5	NA	MS Vol.	(mL)
Lot Number	Sample ID														Cleanup Init/Date
1. COH220157	BLK					1000		1.0		5/2/11	194-183-2	0.5	NA	NA	NA
2. ↓	LCS					↓		↓		5/2/11	↓	↓	↓	↓	↓
3. ↓	LCS Dup					↓		↓		5/2/11	↓	↓	↓	↓	↓
4. ↓	103					↓		↓		7/2/11	↓	↓	↓	↓	↓
5. COH150146	001 R/E					1000		1.0		7/2/11	↓	↓	↓	↓	↓
6.															
7.															
8.															
9.															
10.															
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20.															
21.															
22.															
23.															
Prep Analyst:	WT	WT	WT	WT	WT	WT	WT	KG	KG	WT	WT	WT	WT	WT	WT
Extract(s)	WT	WT	WT	WT	WT	WT	WT	KG	KG	WT	WT	WT	WT	WT	WT
(Record line number from above)	8:25:00	04:00	8:25:00	04:00	8:25:00	04:00	8:25:00	04:00	8:25:00	04:00	8:25:00	04:00	8:25:00	04:00	8:25:00
All Above	8:25:00	12:00	8:25:00	12:00	8:25:00	12:00	8:25:00	12:00	8:25:00	12:00	8:25:00	12:00	8:25:00	12:00	8:25:00
All Above	8:25:00	06:00	8:25:00	06:00	8:25:00	06:00	8:25:00	06:00	8:25:00	06:00	8:25:00	06:00	8:25:00	06:00	8:25:00
Batch Number:	0237329														

668 382

COMMENT: SIB FILE H5572-1 BOY 201 INJ 10001 + 1001 10

Operator: 001562, DLF

Data Path: D:\HPCHEM\1\DATA\d082100.b\

Pre-Seq Cmd:

Post-Seq Cmd:

AR 9
8-21-00

8270c

Method Sections To Run

On A Barcode Mismatch

(X) Full Method

(X) Inject Anyway

() Reprocessing Only

() Don't Inject

I.S. = 194-183-6

Line Type	Vial	DataFile	Method	Sample Name
1 Sample	100	D0821WUP	70EARLY	warm up 50
2 Sample 1147	1	D0821DFT	DFTHP90	dftpp (25ug/ml) 194-175-8
3 Sample 8270c	2	D0821CCC	70EARLY	sstd050 (25UG/ML) 194-183-7 8
4 Sample 8270c	3	D0821001	8270C	c0h080195-sblk soil 8/10/00 8
5 Sample 8270c	4	D0821002	8270C	c0h080195-004 soil 8/10/00 82
6 Sample 8270c	5	D0821003	8270C	c0h080150-001 soil 8/10/00 82
7 Sample 8270c	6	D0821004	8270C	c0h080150-002 soil 8/10/00 82
8 Sample 8270c	7	D0821005	70EARLY	c0h150146-sblk h2o 8/16/00 82
9 Sample 8270c	8	D0821006	70EARLY	c0h150146-lcs h2o 8/16/00 827
10 Sample 8270c	9	D0821007	70EARLY	c0h150146-lcsd h2o 8/16/00 82
11 Sample 8270c	10	D0821008	70EARLY	c0h150146-001 h2o 8/16/00 827
12 Sample 8270c	11	D0821009	8270C	c0h100137-sblk soil 8/11/00 8
13 Sample 8270c	12	D0821010	8270C	c0h100137-lcs soil 8/11/00 82
14 Sample 8270c	13	D0821011	8270C	c0h100137-001 soil 8/11/00 82
15 Sample 8270c	14	D0821012	8270C	c0h100137-002 2x soil 8/11/00
16 Sample 8270c	15	D0821013	8270C	c0h100137-003 2x soil 8/11/00
17 Sample 8270c	16	D0821014	8270C	c0h100137-004 soil 8/11/00 82
18 Sample 8270c	17	D0821015	70EARLY	c0h090142-sblk tclp(h2o) 8/15
19 Sample 8270c	18	D0821016	70EARLY	c0h090142-lcs tclp(h2o) 8/15/
20 Sample 8270c	19	D0821017	70EARLY	c0h090142-001 50x(6.0)tclp(h2
21 Sample 8270c	20	D0821018	70EARLY	c0h090142-001ms 50x(6.0)tclp(
22 Sample 8270c	21	D0821019	70EARLY	c0h090142-001msd 50x(6.0)tclp
23 Sample 8270c	22	D0821020	8270C	c0h090146-sblk WD 8/14/00 827
24 Sample 8270c	23	D0821021	8270C	c0h090146-lcs WD 8/14/00 8270
25 Sample 8270c	24	D0821022	8270C	c0h090146-lcsd WD 8/14/00 827
26 Sample 8270c	25	D0821023	8270C	c0h090146-002 WD 8/14/00 8270
27 Sample	26	D0821024	8270C	blank 50X
28 Sample	26	D0821025	8270C	blank

5PT = 081800721.pdf

Instrument Name: GC/MS Instrument #1

Sequence File: C:\HPCHEM\1\SEQUENCE\082500.S

Comment: STL- PITT HP5973-2 LOG 2ul inj 100ul+1ul int

Operator: 007062

Data Path: C:\HPCHEM\1\DATA\082500.b\

Method Path: C:\HPCHEM\1\METHODS\

Line Type	Vial	DataFile	Method	Sample Name
1) Sample	(12:14) 1	F0825DF1	DFTPP	DFTPP050 (25ppb) 194-175-8
2) Sample	APC 2	F08250C1	72EARLY	SSTD050 (25ppb) 194-183-13
3) Sample	AOC 26	F08250C2	72EARLY	SSTD020 (10ppb) 194-188-3
4) Sample	AOC 27	F08250C3	72EARLY	SSTD080 (40ppb) 194-188-5
5) Sample	AOC 28	F08250C4	72EARLY	SSTD120 (60ppb) 194-188-6
6) Sample	AOC 29	F08250C5	72EARLY	SSTD160 (80ppb) 194-188-7
7) Sample	AOC 3	F0825001	72EARLY	C0H220157-BLK 8/23/00 H2O (02373
8) Sample	AOC 4	F0825002	72EARLY	C0H220157-LCS 8/23/00 H2O (02373
9) Sample	AOC 5	F0825003	72EARLY	C0H220157-LCSD 8/23/00 H2O (0237
10) Sample	AOC 6	F0825004	72EARLY	C0H220157-003 8/23/00 H2O (02373
11) Sample	① 7	F0825005	72EARLY	C0H150146-001 R/E 8/23/00 H2O (0
12) Sample	8	F0825006	72EARLY	C0H180146-BLK 8/23/00 2g/1ml (02
13) Sample	9	F0825007	72EARLY	C0H180146-LCS 8/23/00 2g/1ml (02
14) Sample	10	F0825008	72EARLY	C0H180146-001S 8/23/00 2g/1ml (0
15) Sample	11	F0825009	72EARLY	C0H180146-001D 8/23/00 2g/1ml (0
16) Sample	12	F0825010	72EARLY	C0H180146-001 8/23/00 2g/1ml (02
17) Sample	13	F0825011	72EARLY	C0H180150-001 8/23/00 2g/1ml (02
18) Sample	14	F0825012	72EARLY	C0H180151-001 8/23/00 2g/1ml (02
19) Sample	15	F0825013	72EARLY	C0H180155-001 8/23/00 2g/1ml (02
20) Sample	16	F0825014	72EARLY	C0H180159-001 8/23/00 2g/1ml (02
21) Sample	17	F0825015	72EARLY	C0H180160-001 8/23/00 2g/1ml (02
22) Sample	18	F0825016	72EARLY	C0H180163-001 8/23/00 2g/1ml (02
23) Sample	19	F0825017	72EARLY	C0H180167-001 8/23/00 2g/1ml (02
24) Sample	20	F0825018	72EARLY	C0H180171-001 8/23/00 2g/1ml (02
25) Sample	21	F0825019	72EARLY	C0H180173-001 8/23/00 2g/1ml (02
26) Sample	22	F0825020	72EARLY	C0H180175-001 8/23/00 2g/1ml (02
27) Sample	25	F08020Z6	72EARLY	Clean out
28) Sample	25	F08020Z7	72EARLY	Clean out
29) Sample	25	F08020Z8	72EARLY	Clean out
30) Sample	25	F08020Z9	72EARLY	Clean out
31) Sample	25	F08020Z0	72EARLY	Clean out
32) Sample	25	F08020Z1	72EARLY	Clean out

Bytes Needed: 1668444 Space on drive C: 902468096

Sequence Verification Done!

668 384

Instrument Name: GC/MS Instrument #1

Sequence File: C:\HPCHEM\1\SEQUENCE\082800.S

Comment: STL- PITT HP5973-2 LOG 2ul inj 100ul+1ul int

Operator: 007062

Data Path: C:\HPCHEM\1\DATA\082800.b\

Method Path: C:\HPCHEM\1\METHODS\

Line Type	Vial	DataFile	Method	Sample Name
1) Sample	(7:24) 1	F0828DF1	DFTPP	DFTPP050 (25ppb) 194-175-8
2) Sample	APC 2	F08280C1	72EARLY	SSTD050 (25ppb) 194-183-14
3) Sample	APC 3	F0828001	72EARLY	COH150146-001 R/E 8/23/00 H2O (0
4) Sample	4	F0828002	72EARLY	COH180150-001 x2 8/23/00 2g/1ml
5) Sample	5	F0828003	72EARLY	COH180155-001 8/23/00 2g/1ml (02
6) Sample	6	F0828004	72EARLY	COH180159-001 x400 8/23/00 2g/1m
7) Sample	7	F0828005	72EARLY	COH180160-001 8/23/00 2g/1ml (02
8) Sample	8	F0828006	72EARLY	COH180167-001 x10 8/23/00 2g/1ml
9) Sample	9	F0828007	72EARLY	COH180171-001 8/23/00 2g/1ml (02
10) Sample	10	F0828008	72EARLY	COH180173-001 8/23/00 2g/1ml (02
11) Sample	11	F0828009	72EARLY	COH180175-001 8/23/00 2g/1ml (02
12) Sample	12	F0828010	72EARLY	COH220137-001 8/23/00 2g/1ml (02
13) Sample	13	F0828011	72EARLY	COH220138-001 8/23/00 2g/1ml (02
14) Sample	14	F0828012	72EARLY	COH180278-BLK 8/23/00 TCLP (0237
15) Sample	15	F0828013	72EARLY	COH180278-LCS 8/23/00 TCLP (0237
16) Sample	16	F0828014	72EARLY	COH180278-001S 8/23/00 TCLP (023
17) Sample	17	F0828015	72EARLY	COH180278-001D 8/23/00 TCLP (023
18) Sample	18	F0828016	72EARLY	COH180278-001 8/23/00 TCLP (0237
19) Sample	25	F08020Z6	72EARLY	Clean out
20) Sample	25	F08020Z7	72EARLY	Clean out
21) Sample	25	F08020Z8	72EARLY	Clean out
22) Sample	25	F08020Z9	72EARLY	Clean out
23) Sample	25	F08020Z0	72EARLY	Clean out
24) Sample	25	F08020Z1	72EARLY	Clean out

Bytes Needed: 1303026 Space on drive C: 886212096

Sequence Verification Done!

PSR024 8/23/00 4:28:58 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
2F	DJ7EP-1-02	___	261029	378644	I-49-QL	COH220157	003		WATER	0	5

COH150146-001

Dumped empty sample 1 Liter Jars

RELINQUISHED BY

RECEIVED BY

DATE/TIME

Ken Seely
B Trout

B Trout
Ken Seely

8/23/2000 07:15
8/23/2000 13:25

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

668 386

PSR024 8/16/00 5:01:30 MT

SAMPLE CUSTODIAN REMOVAL REQUEST

PAGE 001

REQUESTED BY: TROUTB

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

<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>
22D CLP1	DHV7M-1-02	— — —	259325	399411	I-49-QL	CON150146	001		WATER	0	12 1

RELINQUISHED BY

Ken Seely
B Trout

RECEIVED BY

B Trout
Ken Seely

DATE/TIME

8/16/2000 07:40
8/16/2000 14:15

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

668 387

668 386 668 387

PESTICIDE DATA

668-388

**PESTICIDE
QC SUMMARY**

2E
WATER PESTICIDE SURROGATE RECOVERY

668 389

Lab Name: Contract:
Lab Code: Case No.: SAS No.: SDG No.: C0H150146
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	PBLK9480	95	95	101	104			0
02	LCS9480	92	94	98	101			0
03	LCD9480	98	99	103	107			0
04	DF/S1/0227/I	~~0D 600*~~	~~0D 66~~	~~0D 12*~~	~~0D -0*~~			~~03~~
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								

um
8/30/00

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (20-141) 39-130
S2 (DCB) = Decachlorobiphenyl (63-130) 10-147

um
8/30/00

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

668 390

SW846 8081A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJ0KC102

BATCH: 0229480

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane)	0.250	0.227	91	49 - 137	
Heptachlor	0.250	0.228	91	57 - 124	
Aldrin	0.250	0.222	89	62 - 120	
Dieldrin	0.500	0.465	93	68 - 130	
Endrin	0.500	0.433	87	46 - 137	
4,4'-DDT	0.500	0.478	96	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 #: C0H160000

WO #: DJ0KC103

BATCH: 0229480

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane)	0.250	0.244	98	49 - 137	
Heptachlor	0.250	0.246	98	57 - 124	
Aldrin	0.250	0.239	96	62 - 120	
Dieldrin	0.500	0.506	101	68 - 130	
Endrin	0.500	0.468	94	46 - 137	
4,4'-DDT	0.500	0.514	103	60 - 140	

NOTES (S) :

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

668 392

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK9480

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

Lab Sample ID: DJ0KC101

Lab File ID: D-A5498

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SW3510

Sulfur Cleanup (Y/N) N

Date Extracted: 08/16/00

Date Analyzed (1): 08/19/00

Date Analyzed (2): 08/19/00

Time Analyzed (1): 0206

Time Analyzed (2): 0206

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	LCS9480	DJ0KC102	08/19/00	08/19/00
02	LCD9480	DJ0KC103	08/19/00	08/19/00
03	DF/S1/0227/I	DHV7M103	08/23/00	08/23/00
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**

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M103

Date Extracted: 08/16/00

Dilution factor: 10

Date Analyzed: 08/23/00

QC Batch: 0229480

Client Sample Id: DF/S1/0227/IDW/003

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg) ug/L	Q
309-00-2	Aldrin	0.089	J P
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
72-54-8	4,4'-DDD	0.50	U
72-55-9	4,4'-DDE	0.50	U
50-29-3	4,4'-DDT	0.50	U
60-57-1	Dieldrin	0.50	U
959-98-8	Endosulfan I	0.50	U
33213-65-9	Endosulfan II	0.50	U
1031-07-8	Endosulfan sulfate	0.50	U
72-20-8	Endrin	0.50	U
7421-93-4	Endrin aldehyde	0.50	U
53494-70-5	Endrin ketone	0.50	U
76-44-8	Heptachlor	0.14	J P
1024-57-3	Heptachlor epoxide	0.065	J P
72-43-5	Methoxychlor	1.0	U
8001-35-2	Toxaphene	20	U

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5552.d
Lab Smp Id: DHV7M103 Client Smp ID: DF/S1/0227/IDW/003
Inj Date : 23-AUG-2000 12:45
Operator : 1891 Inst ID: gc4.i
Smp Info : DHV7M103,5280-G.b,,PEST.sub,10,,
Misc Info : 150146001
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC043

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

Name	Value	Description
DF	10.000	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	5.673	5.633	0.040	29965	0.01311	0.1311
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)				Compound Not Detected		
9 Chlordane				Compound Not Detected		
10 Heptachlor	10.666	10.686	-0.020	11745	0.00400	0.3995(a)
11 Aldrin	11.653	11.660	-0.007	2528	<0.0	0.08876(a)
7 beta-BHC				Compound Not Detected.		
8 delta-BHC	12.880	12.860	0.020	1157	<0.0	0.03368(a)
12 Heptachlor epoxide	13.353	13.360	-0.007	3842	0.00116	0.1159(a)
15 Endosulfan I				Compound Not Detected.		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected		
16 4,4'-DDE	14.220	14.220	0.000	4631	0.00137	0.1375(a)
17 Dieldrin				Compound Not Detected.		
20 Endrin				Compound Not Detected.		

668.396

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5552.d
Report Date: 28-Aug-2000 10:44

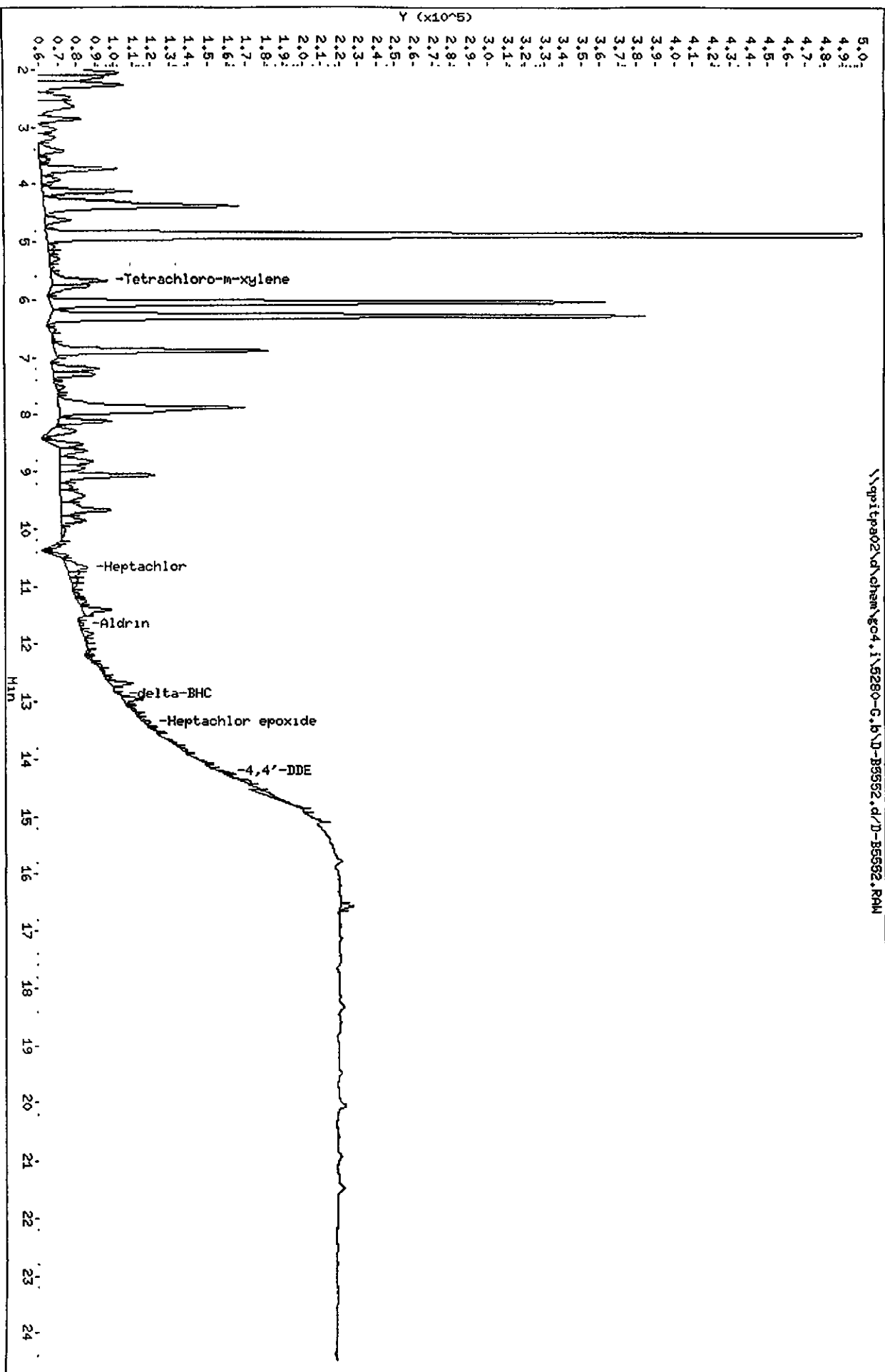
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
18 Toxaphene				Compound Not Detected		
21 4,4'-DDD				Compound Not Detected.		
22 Endosulfan II				Compound Not Detected		
23 4,4'-DDT				Compound Not Detected		
24 Endrin aldehyde				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected		
26 Endosulfan sulfate				Compound Not Detected		
58 MIREX				Compound Not Detected.		
29 Kepone				Compound Not Detected.		
27 Endrin ketone				Compound Not Detected.		
\$ 30 Decachlorobiphenyl				Compound Not Detected.		

QC Flag Legend

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

Data File: \\qptipa02\chem\gc4.i\5280-G.b.D-B5552.d
Date: 23-AUG-2000 12:45
Client ID: DF/S1/0227/IDM/003
Sample Info: DMV7M103,5280-G.b,PEST,sub,10,,
Volume Injected (uL): 1.0
Column phase: DB1701

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



668 398

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5552.d
 Report Date: 28-Aug-2000 10:40

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5552.d
 Lab Smp Id: DHV7M103 Client Smp ID: DF/S1/0227/IDW/003
 Inj Date : 23-AUG-2000 12:45
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DHV7M103,5280-G.b,,PEST.sub,10,,
 Misc Info : 150146001
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
 Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
 Als bottle: 1
 Dil Factor: 10.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC044

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

Name	Value	Description
DF	10.000	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	5.486	5.493	-0.007	349187	0.11993	1.199(AR)
2 Diallylate A	6.800	6.766	0.034	12705	0.10925	10.92
3 Diallylate B				Compound Not Detected.		
5 alpha-BHC	7.740	7.740	0.000	1589	0.00046	0.04602(a)
6 gamma-BHC (Lindane)	9.140	9.126	0.014	2110	<0.0	0.06739(a)
7 beta-BHC	9.393	9.400	-0.007	839	0.00048	0.04802(a)
9 Chlordane				Compound Not Detected.		
10 Heptachlor	10.406	10.386	0.020	3536	0.00141	0.1409(a)
8 delta-BHC				Compound Not Detected.		
11 Aldrin	11.566	11.566	0.000	3341	0.00139	0.1390(a)
12 Heptachlor epoxide	13.160	13.153	0.007	1775	<0.0	0.06517(a)
13 gamma-Chlordane	13.506	13.506	0.000	1021	<0.0	0.03568(a)
14 alpha-Chlordane	13.806	13.820	-0.014	3891	0.00136	0.1357(a)
15 Endosulfan I				Compound Not Detected.		
16 4,4'-DDE				Compound Not Detected		

Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-A5552.d
 Report Date: 28-Aug-2000 10:40

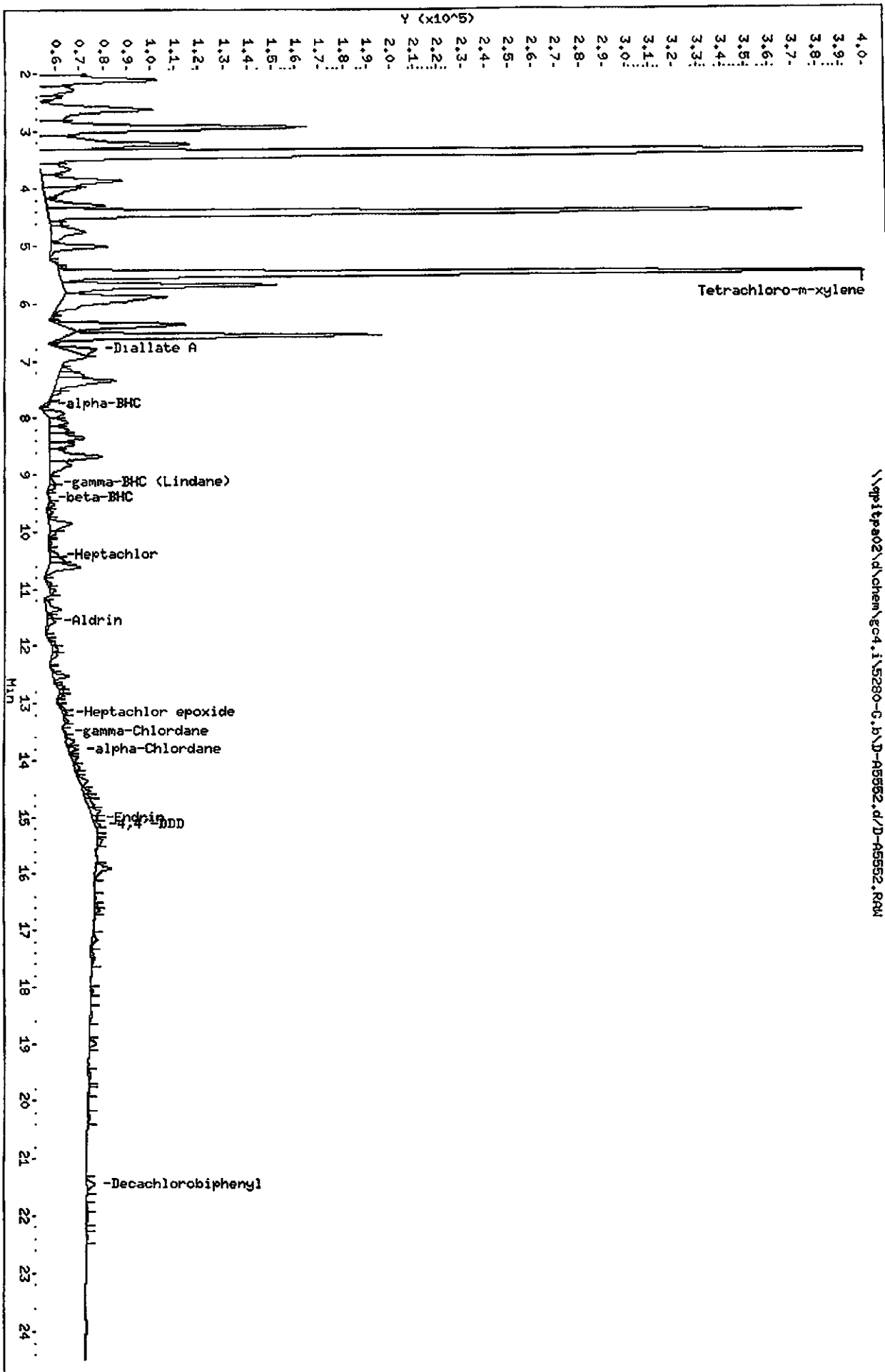
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
17 Dieldrin						
20 Endrin	15.006	14.980	0.026	2170	<0.0	0.09292(a)
29 Kepone						
21 4,4'-DDD	15.133	15.126	0.007	1902	<0.0	0.08638(a)
18 Toxaphene						
22 Endosulfan II						
23 4,4'-DDT						
24 Endrin aldehyde						
26 Endosulfan sulfate						
25 Methoxychlor						
28 MIREX						
27 Endrin ketone						
\$ 30 Decachlorobiphenyl	21.453	21.453	0.000	3348	0.00236	0.02365(aR)

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.

Data File: \\pittpa02\chem\gc4.1\5280-G.b\D-A5552.d
 Date : 23-AUG-2000 12:45
 Client ID: DF/SI/0227/IDM/003
 Sample Info: DHV7H103,5280-G.b,PEST,sub,10,,
 Volume Injected (ul): 1.0
 Column Phase: DB608

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



10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

DF/S1/022
7/IDW/003

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

Lab Sample ID: DHV7M103

Date(s) Analyzed: 08/23/00 08/23/00

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 =====		
Heptachlor	1	10.41	10.30	10.40	0.1409	
	2	10.67	10.62	10.72	0.3995	183.5
Aldrin	1	11.57	11.48	11.58	0.1390	
	2	11.65	11.60	11.70	0.08876	56.6
Heptachlor epoxide	1	13.16	13.08	13.18	0.06517	
	2	13.35	13.30	13.40	0.1159	77.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

668-402

**PESTICIDE
CALIBRATION DATA**

Report Date : 18-Aug-2000 10:36

6D
HP58904A
DB608

STL - Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 18-Aug-2000 10:34 Number of Cnps : 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	5.520	5.470-5.570	2.91e+006
2 Diallate A	6.767	6.717-6.817	1.16e+005
3 Diallate B	7.047	6.997-7.097	3.14e+004
4 HEXACHLORO BENZENE	7.193	7.143-7.243	4.64e+006
5 alpha-BHC	7.780	7.730-7.830	3.45e+006
6 gamma-BHC (Lindane)	9.167	9.117-9.217	3.13e+006
7 beta-BHC	9.440	9.390-9.490	1.75e+006
8 delta-BHC	10.873	10.823-10.923	3.03e+006
9 Chlordane	9.953	9.903-10.003	8.44e+004
	10.573	10.523-10.623	1.46e+005
	13.613	13.563-13.663	2.96e+005
	13.920	13.870-13.970	2.25e+005
10 Heptachlor	10.433	10.383-10.483	2.51e+006
11 Aldrin	11.607	11.557-11.657	2.40e+006
12 Heptachlor epoxide	13.180	13.130-13.230	2.72e+006
13 gamma-Chlordane	13.533	13.483-13.583	2.86e+006
14 alpha-Chlordane	13.847	13.797-13.897	2.87e+006
15 Endosulfan I	13.893	13.843-13.943	2.66e+006
16 4,4'-DDE	14.293	14.243-14.343	2.86e+006
17 Dieldrin	14.427	14.377-14.477	2.85e+006
18 Toxaphene	15.247	15.197-15.297	3.06e+004
	15.400	15.350-15.450	4.26e+004
	15.773	15.723-15.823	3.12e+004
	16.960	16.910-17.010	3.39e+004

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Report Date : 18-Aug-2000 10:36

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STL - Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

Compound	RT	RT Window	RF
19 Isodrin	12.907	12.857-12.957	2.47e+006
20 Endrin	15.007	14.957-15.057	2.34e+006
21 4,4'-DDD	15.147	15.097-15.197	2.20e+006
22 Endosulfan II	15.293	15.243-15.343	2.41e+006
23 4,4'-DDT	15.647	15.597-15.697	2.06e+006
24 Endrin aldehyde	15.847	15.797-15.897	1.88e+006
25 Methoxychlor	17.367	17.317-17.417	9.09e+005
26 Endosulfan sulfate	16.073	16.023-16.123	1.80e+006
27 Endrin ketone	17.793	17.743-17.843	1.89e+006
28 MIREX	17.773	17.723-17.823	1.36e+006
29 Kepone	15.113	15.063-15.163	1.83e+005
58 CHLOROBENZILATE	14.820	14.770-14.870	4.80e+005
\$ 30 Decachlorobiphenyl	21.513	21.463-21.563	1.42e+006

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Report Date : 28-Aug-2000 11:43

STL - Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 28-Aug-2000 11:41 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	5.493	5.443-5.543	2.91e+006
2 Diallate A	6.767	6.717-6.817	1.16e+005
3 Diallate B	7.047	6.997-7.097	3.14e+004
4 HEXACHLOROBENZENE	7.193	7.143-7.243	4.64e+006
5 alpha-BHC	7.740	7.690-7.790	3.45e+006
6 gamma-BHC (Lindane)	9.127	9.077-9.177	3.13e+006
7 beta-BHC	9.407	9.357-9.457	1.75e+006
8 delta-BHC	10.840	10.790-10.890	3.03e+006
9 Chlordane	9.760	9.710-9.810	8.44e+004
	10.387	10.337-10.437	1.46e+005
	13.507	13.457-13.557	2.96e+005
	13.820	13.770-13.870	2.25e+005
10 Heptachlor	10.387	10.337-10.437	2.51e+006
11 Aldrin	11.567	11.517-11.617	2.40e+006
12 Heptachlor epoxide	13.153	13.103-13.203	2.72e+006
13 gamma-Chlordane	13.507	13.457-13.557	2.86e+006
14 alpha-Chlordane	13.820	13.770-13.870	2.87e+006
15 Endosulfan I	13.873	13.823-13.923	2.66e+006
16 4,4'-DDE	14.273	14.223-14.323	2.86e+006
17 Dieldrin	14.407	14.357-14.457	2.85e+006
18 Toxaphene	15.153	15.103-15.203	3.06e+004
	15.307	15.257-15.357	4.26e+004
	15.673	15.623-15.723	3.12e+004
	16.833	16.783-16.883	3.39e+004

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Report Date : 28-Aug-2000 11:43

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STL - Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

Compound	RT	RT Window	RF
19 Isodrin	12.907	12.857-12.957	2.47e+006
20 Endrin	14.980	14.930-15.030	2.34e+006
21 4,4'-DDD	15.127	15.077-15.177	2.20e+006
22 Endosulfan II	15.273	15.223-15.323	2.41e+006
23 4,4'-DDT	15.620	15.570-15.670	2.06e+006
24 Endrin aldehyde	15.827	15.777-15.877	1.88e+006
25 Methoxychlor	17.333	17.283-17.383	9.09e+005
26 Endosulfan sulfate	16.053	16.003-16.103	1.80e+006
27 Endrin ketone	17.753	17.703-17.803	1.89e+006
28 MIREX	17.773	17.723-17.823	1.36e+006
29 Kepone	15.113	15.063-15.163	1.83e+005
58 CHLOROBENZILATE	14.820	14.770-14.870	4.80e+005
\$ 30 Decachlorobiphenyl	21.453	21.403-21.503	1.42e+006

Report Date : 10-Aug-2000 09:18

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STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2000 15:52
 End Cal Date : 08-AUG-2000 01:35
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Cal Date : 08-Aug-2000 16:53 matkol
 Curve Type : Average

Calibration File Names:

Level 1: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5169.d
 Level 2: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5170.d
 Level 3: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5171.d
 Level 4: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5172.d
 Level 5: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5173.d

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD
-----	-----	-----	-----	-----	-----	-----	-----
2 Diallylate A	146610	120716	119568	96541	98039	116295	17.584
3 Diallylate B	35790	31872	33544	27405	28163	31355	11.334
4 HEXACHLOROBENZENE	5091400	5340600	4786240	4122720	3874010	4642994	13.495
5 alpha-BHC	3169600	3327000	3479600	3635640	3652640	3452896	5.972
6 gamma-BHC (Lindane)	3009600	3068400	3113280	3243900	3220320	3131100	3.182
7 beta-BHC	1859200	1878400	1703360	1708880	1585930	1747154	6.960
8 delta-BHC	2696200	2899000	2970920	3311440	3259810	3027474	8.487
9 Chlordane(1)	+++++	+++++	84360	+++++	+++++	84360	0.000
(2)	+++++	+++++	145856	+++++	+++++	145856	0.000
(3)	+++++	+++++	295948	+++++	+++++	295948	0.000
(4)	+++++	+++++	225064	+++++	+++++	225064	0.000
10 Heptachlor	2543200	2517500	2454560	2500420	2532760	2509688	1.386
11 Aldrin	2247200	2355000	2320240	2526040	2564340	2402564	5.684
12 Heptachlor epoxide	2574600	2681500	2649840	2875000	2837130	2723614	4.688
13 gamma-Chlordane	2767400	2871400	2778880	2961860	2929400	2861788	3.049
14 alpha-Chlordane	2709000	2889700	2825720	3003440	2910440	2867660	3.807
15 Endosulfan I	2535000	2616400	2623600	2741840	2771450	2657658	3.665
16 4,4'-DDE	2614800	2746700	2778440	3062040	3099880	2860372	7.374
17 Dieldrin	2717400	2738500	2757880	2965580	3056580	2847188	5.398
18 Toxaphene(1)	+++++	+++++	30597	+++++	+++++	30597	0.000
(2)	+++++	+++++	42645	+++++	+++++	42645	0.000
(3)	+++++	+++++	31193	+++++	+++++	31193	0.000
(4)	+++++	+++++	33893	+++++	+++++	33893	0.000
19 Isodrin	2309300	2262720	2797180	2400253	2603740	2474639	9.002
20 Endrin	2332000	2276300	2266440	2366560	2435410	2335342	2.969
21 4,4'-DDD	2211000	2146400	2137320	2232400	2282580	2201940	2.760

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Report Date : 10-Aug-2000 09:18

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STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2000 15:52
 End Cal Date : 08-AUG-2000 01:35
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Cal Date : 08-Aug-2000 16:53 matkol
 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			
22 Endosulfan II	2303800	2363700	2291400	2530720	2555270	2408978	5.216
23 4,4'-DDT	1908800	1972900	2009440	2185360	2236350	2062570	6.847
24 Endrin aldehyde	1848200	1915300	1825320	1930500	1888590	1881582	2.356
25 Methoxychlor	891600	901200	904680	922760	925880	909224	1.609
26 Endosulfan sulfate	1633400	1767300	1726160	1925560	1939150	1798314	7.324
27 Endrin ketone	1748600	1858000	1821720	1998800	2014130	1888250	6.091
28 MIREX	1332400	1464100	1419200	1286400	1282810	1356982	5.991
29 Kepone	115070	135228	262088	172967	232118	183494	34.103 <-
58 CHLOROBENZILATE	539400	624500	593120	375660	265870	479710	31.946 <-
\$ 1 Tetrachloro-m-xylene	3170600	3103100	2907720	2754840	2621610	2911574	7.915
\$ 30 Decachlorobiphenyl	1505000	1482700	1397200	1375560	1318580	1415808	5.454

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

668 409

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4140-G
 GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00
 EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 08/07/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 1525

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	15.09	15.04	15.14	0.02352	0.02500	-5.9
4,4'-DDT	15.73	15.68	15.78	0.02374	0.02500	-5.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): ~~4.71~~
 Combined % breakdown (1): ~~4.71~~ 3.9

LM
8/10/00

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

668 410

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 4140-G

GC Column: DB608

ID: 0.53

(mm)

Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____

Date Analyzed : _____

Lab Sample ID (PIBLK): _____

Time Analyzed : _____

EPA Sample No. (PEM):

Date Analyzed : 08/08/00

Lab Sample ID (PEM): EVALB

Time Analyzed : 0258

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
=====	=====	=====	=====	=====	=====	=====
Endrin	15.09	15.04	15.14	0.02353	0.02500	-5.9
4,4'-DDT	15.73	15.68	15.78	0.02489	0.02500	-0.4

4,4'-DDT % breakdown (1):

~~0.82~~ 1.1

Endrin % breakdown (1):

~~8.27~~

Combined % breakdown (1):

~~9.09~~ 7.7

6.6

LM
8/10/00

FORM VII PEST-1

OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: _____ Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4140-G
 GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): _____ Date Analyzed : 08/18/00
 Lab Sample ID (PEM): EVALB Time Analyzed : 1938

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.99	14.96	15.06	0.02502	0.02500	0.1
4,4'-DDT	15.63	15.60	15.70	0.02549	0.02500	2.0

4,4'-DDT % breakdown (1): ~~1.33~~ ^{1.8} Endrin % breakdown (1): ~~8.38~~ ^{6.3}
 Combined % breakdown (1): ~~9.71~~ ^{8.1}

um 8/22/00

668 412

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 4140-G

GC Column: DB608

ID: 0.53

(mm)

Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____

Date Analyzed : _____

Lab Sample ID (PIBLK): _____

Time Analyzed : _____

EPA Sample No. (PEM):

Date Analyzed : 08/23/00

Lab Sample ID (PEM): EVALB

Time Analyzed : 0930

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.99	14.93	15.03	0.02339	0.02500	-6.4
4,4'-DDT	15.62	15.57	15.67	0.02338	0.02500	-6.5
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

4,4'-DDT % breakdown (1):

~~5.80~~ 6.9

Endrin % breakdown (1):

~~11.39~~
8.9

Combined % breakdown (1):

~~17.18~~

15.8

m 8/29/00

FORM VII PEST-1

OLM03.0

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5482.d
Report Date: 21-Aug-2000 13:22

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DB608

668 413

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-A5482.d
Analysis Type:
Lab Sample ID: MEDA
Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

Injection Date: 18-AUG-2000 18:42
Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Init. Cal. Times: 15:52 01:35
Quant Type: ESTD

COMPOUND	RRF	RFO	MIN	MAX
			RRF	%D
\$ 1 Tetrachloro-m-xylene	2911574	3017000	0.000	3.6
5 alpha-BHC	3452896	3626800	0.010	5.0
6 gamma-BHC (Lindane)	3131100	3315320	0.010	5.9
10 Heptachlor	2509688	2596400	0.010	3.5
15 Endosulfan I	2657658	2702080	0.010	1.7
17 Dieldrin	2847188	2814440	0.010	-1.2
20 Endrin	2335342	2401840	0.010	2.8
21 4,4'-DDD	2201940	2295480	0.010	4.2
23 4,4'-DDT	2062570	2114600	0.010	2.5
25 Methoxychlor	909224	973860	0.010	7.1
\$ 30 Decachlorobiphenyl	1415808	1511960	0.010	6.8

668 414

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5483.d
Report Date: 21-Aug-2000 13:22

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 18-AUG-2000 19:10
Lab File ID: D-A5483.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN RRF	%D	MAX %D
11 Aldrin	2402564	2432200	0.010	1.2	15.0
7 beta-BHC	1747154	1812320	0.010	3.7	15.0
8 delta-BHC	3027474	2905160	0.010	-4.0	15.0
12 Heptachlor epoxide	2723614	2785480	0.010	2.3	15.0
13 gamma-Chlordane	2861788	2891280	0.010	1.0	15.0
14 alpha-Chlordane	2867660	2898680	0.010	1.1	15.0
16 4,4'-DDE	2860372	2977680	0.010	4.1	15.0
22 Endosulfan II	2408978	2508800	0.010	4.1	15.0
24 Endrin aldehyde	1881582	1923360	0.010	2.2	15.0
26 Endosulfan sulfate	1798314	1780120	0.010	-1.0	15.0
27 Endrin ketone	1888250	1986600	0.010	5.2	15.0

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5507.d
Report Date: 21-Aug-2000 13:27

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DB608

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 19-AUG-2000 06:15
Lab File ID: D-A5507.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDA Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
			RRF	%D
1 Tetrachloro-m-xylene	2911574	2977800	0.000	2.3
5 alpha-BHC	3452896	3541440	0.010	2.6
6 gamma-BHC (Lindane)	3131100	3238200	0.010	3.4
10 Heptachlor	2509688	2551240	0.010	1.7
15 Endosulfan I	2657658	2641000	0.010	-0.6
17 Dieldrin	2847188	2782840	0.010	-2.3
20 Endrin	2335342	2356800	0.010	0.9
21 4,4'-DDD	2201940	2281520	0.010	3.6
23 4,4'-DDT	2062570	2053200	0.010	-0.5
25 Methoxychlor	909224	965280	0.010	6.2
30 Decachlorobiphenyl	1415808	1451840	0.010	2.5

668 416

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5508.d

Report Date: 21-Aug-2000 13:27

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DB608

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i

Injection Date: 19-AUG-2000 06:43

Lab File ID: D-A5508.d

Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000

Analysis Type:

Init. Cal. Times: 15:52 01:35

Lab Sample ID: MEDB

Quant Type: ESTD

Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN		MAX
	RRF	RFO	RRF	%D	%D
11 Aldrin	2402564	2374400	0.010	-1.2	15.0
7 beta-BHC	1747154	1769880	0.010	1.3	15.0
8 delta-BHC	3027474	2798080	0.010	-7.6	15.0
12 Heptachlor epoxide	2723614	2715840	0.010	-0.3	15.0
13 gamma-Chlordane	2861788	2846480	0.010	-0.5	15.0
14 alpha-Chlordane	2867660	2850640	0.010	-0.6	15.0
16 4,4'-DDE	2860372	2871520	0.010	0.4	15.0
22 Endosulfan II	2408978	2447760	0.010	1.6	15.0
24 Endrin aldehyde	1881582	1872720	0.010	-0.5	15.0
26 Endosulfan sulfate	1798314	1689840	0.010	-6.0	15.0
27 Endrin ketone	1888250	1947440	0.010	3.1	15.0

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5546.d
 Report Date: 28-Aug-2000 10:38

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 DB608

668 417

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 09:58
 Lab File ID: D-A5546.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDTOX Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
	RRF	%D	%D	
18 Toxaphene(1)	30597	35366	0.010	15.6
(2)	42645	46207	0.010	8.4
(3)	31193	32174	0.010	3.1
(4)	33893	36343	0.010	7.2
\$ 1 Tetrachloro-m-xylene	2911574	3072240	0.000	5.5
\$ 30 Decachlorobiphenyl	1415808	1424720	0.010	0.6

668 418

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5547.d
 Report Date: 28-Aug-2000 10:28

7E
 38904A
 DB608

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 10:26
 Lab File ID: D-A5547.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDCHLOR Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	RRF	%D	MAX
9 Chlordane(1)	84360	94972	0.010	12.6	15.0	
(2)	145856	157264	0.010	7.8	15.0	
(3)	295948	305284	0.010	3.2	15.0	
(4)	225064	228556	0.010	1.6	15.0	
\$ 1 Tetrachloro-m-xylene	2911574	3183280	0.000	9.3	15.0	
\$ 30 Decachlorobiphenyl	1415808	1479000	0.010	4.5	15.0	

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5548.d
 Report Date: 28-Aug-2000 10:28

7E
 JB904A
 DB608

668 419

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 10:54
 Lab File ID: D-A5548.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	RRF	%D	MAX
\$ 1 Tetrachloro-m-xylene	2911574	3116360	0.000	7.0	15.0	
5 alpha-BHC	3452896	3706320	0.010	7.3	15.0	
6 gamma-BHC (Lindane)	3131100	3422560	0.010	9.3	15.0	
10 Heptachlor	2509688	2632080	0.010	4.9	15.0	
15 Endosulfan I	2657658	2714240	0.010	2.1	15.0	
17 Dieldrin	2847188	2889560	0.010	1.5	15.0	
20 Endrin	2335342	2403880	0.010	2.9	15.0	
21 4,4'-DDD	2201940	2298800	0.010	4.4	15.0	
23 4,4'-DDT	2062570	2000200	0.010	-3.0	15.0	
25 Methoxychlor	909224	854480	0.010	-6.0	15.0	
\$ 30 Decachlorobiphenyl	1415808	1455160	0.010	2.8	15.0	

668 420

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5549.d
Report Date: 28-Aug-2000 10:29

7E
58904A
DB60P

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 11:21
Lab File ID: D-A5549.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	RRF	%D	MAX
11 Aldrin	2402564	2520920	0.010	4.9	15.0	
7 beta-BHC	1747154	1903600	0.010	9.0	15.0	
8 delta-BHC	3027474	2844600	0.010	-6.0	15.0	
12 Heptachlor epoxide	2723614	2810280	0.010	3.2	15.0	
13 gamma-Chlordane	2861788	2922520	0.010	2.1	15.0	
14 alpha-Chlordane	2867660	2937800	0.010	2.4	15.0	
16 4,4'-DDE	2860372	2938200	0.010	2.7	15.0	
22 Endosulfan II	2408978	2428600	0.010	0.8	15.0	
24 Endrin aldehyde	1881582	1895560	0.010	0.7	15.0	
26 Endosulfan sulfate	1798314	1573760	0.010	-12.5	15.0	
27 Endrin ketone	1888250	1889680	0.010	0.1	15.0	

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5570.d
 Report Date: 28-Aug-2000 10:34

7E
 58704A
 DB608

668 421

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 21:04
 Lab File ID: D-A5570.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
1 Tetrachloro-m-xylene	2911574	3098960	0.000	6.4
5 alpha-BHC	3452896	3682360	0.010	6.6
6 gamma-BHC (Lindane)	3131100	3423720	0.010	9.3
10 Heptachlor	2509688	2609680	0.010	4.0
15 Endosulfan I	2657658	2618560	0.010	-1.5
17 Dieldrin	2847188	2853320	0.010	0.2
20 Endrin	2335342	2581360	0.010	10.5
21 4,4'-DDD	2201940	2450200	0.010	11.3
23 4,4'-DDT	2062570	2144680	0.010	4.0
25 Methoxychlor	909224	904140	0.010	-0.6
30 Decachlorobiphenyl	1415808	1424920	0.010	0.6

668 422

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5571.d
Report Date: 28-Aug-2000 10:34

7E
58904A
DB608

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 21:32
Lab File ID: D-A5571.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m

COMPOUND	RRF	RFO	MIN	MAX
11 Aldrin	2402564	2486160	0.010	3.5
7 beta-BHC	1747154	1880240	0.010	7.6
8 delta-BHC	3027474	3009880	0.010	-0.6
12 Heptachlor epoxide	2723614	2795000	0.010	2.6
13 gamma-Chlordane	2861788	2911440	0.010	1.7
14 alpha-Chlordane	2867660	2919360	0.010	1.8
16 4,4'-DDE	2860372	2896480	0.010	1.3
22 Endosulfan II	2408978	2416920	0.010	0.3
24 Endrin aldehyde	1881582	1882640	0.010	0.1
26 Endosulfan sulfate	1798314	1810520	0.010	0.7
27 Endrin ketone	1888250	1995360	0.010	5.7

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:
 Lab Code: Case No.: SAS No.: SDG No.: C0H150146
 GC Column: DB608 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00
 Instrument ID: GC4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 5.49			DCB: 21.45		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	EVALB	08/07/00	1525	5.63*	21.76*
02	MEDTOX	08/07/00	1552	5.61*	21.75*
03	MEDCHLOR	08/07/00	1620	5.62*	21.77*
04	LOWA	08/07/00	2125	5.63*	21.75*
05	MLOWA	08/07/00	2153	5.62*	21.75*
06	MEDA	08/07/00	2221	5.63*	21.75*
07	MHIGHA	08/07/00	2249	5.63*	21.75*
08	HIGHA	08/07/00	2316	5.63*	21.75*
09	LOWB	08/07/00	2344		
10	MLOWB	08/08/00	0012		
11	MEDB	08/08/00	0039		
12	MHIGHB	08/08/00	0107		
13	HIGHB	08/08/00	0135		
14	2ND A	08/08/00	0203	5.63*	21.74*
15	2ND B	08/08/00	0230		
16	EVALB	08/08/00	0258	5.64*	21.74*
17	MEDA	08/18/00	1842	5.50	21.47
18	MEDB	08/18/00	1910		
19	EVALB	08/18/00	1938	5.50	21.47
20	PBLK9480 DJ0KC101	08/19/00	0206	5.50	21.47
21	LCS9480 DJ0KC102	08/19/00	0233	5.51	21.47
22	LCD9480 DJ0KC103	08/19/00	0301	5.50	21.47
23	MEDA	08/19/00	0615	5.50	21.47
24	MEDB	08/19/00	0643		
25	EVALB	08/23/00	0930	5.49	21.45
26	MEDTOX	08/23/00	0958	5.49	21.45
27	MEDCHLOR	08/23/00	1026	5.49	21.45
28	MEDA	08/23/00	1054	5.49	21.45
29	MEDB	08/23/00	1121		
30	DF/S1/0227/I DHV7M103	08/23/00	1245	5.49	21.45
31	MEDA	08/23/00	2104	5.49	21.45
32	MEDB	08/23/00	2132		

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.

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5080-G.SEQ
 Created by : DE11/02/98 on : 8/7/00 18:00
 Edited by : DE08/07/00 on : 8/7/00 18:19
 Description : QUAN TERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

6

Number of Times Edited : 1

10081200

Sequence File Header Information:

Number of Rows : 54
 Instrument Type : 760 / 900 Series Intelligent Interface
 Injection Type : SINGLE

6

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, 5080-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, 5080-G.b	190-98-12		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal: Replace	MEDCHLOR, 5080-G	190-85-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal: Replace	LOWIX, 5080-G.b,	190-80-6		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal: Replace	MLOWIX, 5080-G.b	190-80-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal: Replace	MEDIX, 5080-G b,	190-80-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal: Replace	MHIGHIX, 5080-G.	190-80-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal: Replace	HIGHIX, 5080-G.b	190-80-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal: Replace	LOWF, 5080-G.b,,	190-74-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal: Replace	MLOWF, 5080-G b,	190-74-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal: Replace	MEDF, 5080-G.b,,	190-74-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal: Replace	MHIGHF, 5080-G.b	190-74-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal: Replace	HIGHF, 5080-G.b,	190-74-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal: Replace	LOWA, 5080-G.b,,	190-84-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal: Replace	MLOWA, 5080-G.b,	190-84-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal: Replace	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Cal: Replace	MHIGHA, 5080-G.b	190-84-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Cal: Replace	HIGHA, 5080-G.b,	190-84-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal: Replace	LOWB, 5080-G.b,,	190-84-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal: Replace	MLOWB, 5080-G b,	190-84-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal: Replace	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal: Replace	MHIGHB, 5080-G.b	190-84-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal: Replace	HIGHB, 5080-G.b,	190-84-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	2ND A, 5080-G.b,	190-82-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	2ND B, 5080-G.b,	190-82-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DGRC1101, 5080-G	140198BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DGRC1102, 5080-G	140198LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DGRC1103, 5080-G	140198LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DG77101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DG77101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DG77101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DG7P101, 5080-G	180137004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DG7P101, 5080-G	180137004S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DG7P10M, 5080-G	180137004D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DGM9M101, 5080-G	180137BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DGM9M102, 5080-G	180137LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHEH6101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DHEH6102, 5080-G	030147LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	DHEH6103, 5080-G	030147LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DN991102, 5080-G	030147019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DHA8R102, 5080-G	030241009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DHA9A102, 5080-G	030241012		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

			Method	Method	Method	Format	File	File	File	Raw File	Rpt	Name	RT	Dev
1	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5151	D-A5151	D-A5151	-	-	-	LPT1
2	-	1	2	GEN4C	GEN4A	122190A	TOX	D-A5152	D-A5152	D-A5152	N	MED	N	LPT1:,,LP
3	-	1	2	GEN4C	GEN4A	122190A	TOX	D-A5153	D-A5153	D-A5153	N	MED	N	LPT1:,,LP
4	-	1	9	GEN4C	GEN4A	122190A	INDA	D-A5154	D-A5154	D-A5154	N	LOW	N	LPT1:
5	-	1	10	GEN4C	GEN4A	122190A	INDA	D-A5155	D-A5155	D-A5155	N	MLOW	N	LPT1:
6	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5156	D-A5156	D-A5156	N	MLOW	N	LPT1:
7	-	1	12	GEN4C	GEN4A	122190A	INDA	D-A5157	D-A5157	D-A5157	N	MLOW	N	LPT1:
8	-	1	13	GEN4C	GEN4A	122190A	INDA	D-A5158	D-A5158	D-A5158	N	MLOW	N	LPT1:
9	-	1	4	GEN4C	GEN4A	122190A	INDA	D-A5159	D-A5159	D-A5159	N	LOW	N	LPT1:
10	-	1	5	GEN4C	GEN4A	122190A	INDA	D-A5160	D-A5160	D-A5160	N	MLOW	N	LPT1:
11	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5161	D-A5161	D-A5161	N	MLOW	N	LPT1:
12	-	1	7	GEN4C	GEN4A	122190A	INDA	D-A5162	D-A5162	D-A5162	N	MLOW	N	LPT1:
13	-	1	8	GEN4C	GEN4A	122190A	INDA	D-A5163	D-A5163	D-A5163	N	MLOW	N	LPT1:
14	-	1	4	GEN4C	GEN4A	122190A	INDA	D-A5164	D-A5164	D-A5164	N	LOW	N	LPT1:
15	-	1	5	GEN4C	GEN4A	122190A	INDA	D-A5165	D-A5165	D-A5165	N	MLOW	N	LPT1:
16	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5166	D-A5166	D-A5166	N	MLOW	N	LPT1:
17	-	1	7	GEN4C	GEN4A	122190A	INDA	D-A5167	D-A5167	D-A5167	N	MLOW	N	LPT1:
18	-	1	8	GEN4C	GEN4A	122190A	INDA	D-A5168	D-A5168	D-A5168	N	MLOW	N	LPT1:
19	-	1	9	GEN4C	GEN4A	122190A	INDA	D-A5169	D-A5169	D-A5169	N	LOW	N	LPT1:
20	-	1	10	GEN4C	GEN4A	122190A	INDA	D-A5170	D-A5170	D-A5170	N	MLOW	N	LPT1:
21	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5171	D-A5171	D-A5171	N	MLOW	N	LPT1:
22	-	1	12	GEN4C	GEN4A	122190A	INDA	D-A5172	D-A5172	D-A5172	N	MLOW	N	LPT1:
23	-	1	13	GEN4C	GEN4A	122190A	INDA	D-A5173	D-A5173	D-A5173	N	MLOW	N	LPT1:
24	-	1	23	GEN4C	GEN4A	122190A	INDA	D-A5174	D-A5174	D-A5174	-	-	-	LPT1:
25	-	1	24	GEN4C	GEN4A	122190A	INDA	D-A5175	D-A5175	D-A5175	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5176	D-A5176	D-A5176	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5177	D-A5177	D-A5177	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5178	D-A5178	D-A5178	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5179	D-A5179	D-A5179	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5180	D-A5180	D-A5180	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5181	D-A5181	D-A5181	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5182	D-A5182	D-A5182	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5183	D-A5183	D-A5183	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5184	D-A5184	D-A5184	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5185	D-A5185	D-A5185	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5186	D-A5186	D-A5186	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5187	D-A5187	D-A5187	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5188	D-A5188	D-A5188	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5189	D-A5189	D-A5189	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5190	D-A5190	D-A5190	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5191	D-A5191	D-A5191	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5192	D-A5192	D-A5192	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5193	D-A5193	D-A5193	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5194	D-A5194	D-A5194	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5195	D-A5195	D-A5195	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5196	D-A5196	D-A5196	-	-	-	LPT1:
47	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5197	D-A5197	D-A5197	-	-	-	LPT1:
48	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5198	D-A5198	D-A5198	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5199	D-A5199	D-A5199	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5200	D-A5200	D-A5200	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5201	D-A5201	D-A5201	-	-	-	LPT1:
52	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5202	D-A5202	D-A5202	-	-	-	LPT1:
53	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5203	D-A5203	D-A5203	-	-	-	LPT1:
54	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5204	D-A5204	D-A5204	-	-	-	LPT1:

668 425

668 426

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5151.d
 Report Date: 10-Aug-2000 09:48

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5151.d
 Lab Smp Id: EVALB
 Inj Date : 07-AUG-2000 15:25
 Operator : 1891 Inst ID: gc4.i
 Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
 Misc Info : 190-88-8
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.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	5.626	5.626	0.000	56739	0.01949	0.01949(R)
16 4,4'-DDE						
20 Endrin	15.093	15.087	0.006	54940	0.02353	0.02352
21 4,4'-DDD						
23 4,4'-DDT	15.733	15.733	0.000	48966	0.02374	0.02374
24 Endrin aldehyde	15.960	15.947	0.013	821	<0.0	0.0004363
27 Endrin ketone	17.946	17.933	0.013	1400	<0.0	0.0007414
\$ 30 Decachlorobiphenyl	21.760	21.747	0.013	28218	0.01993	0.01993(R)

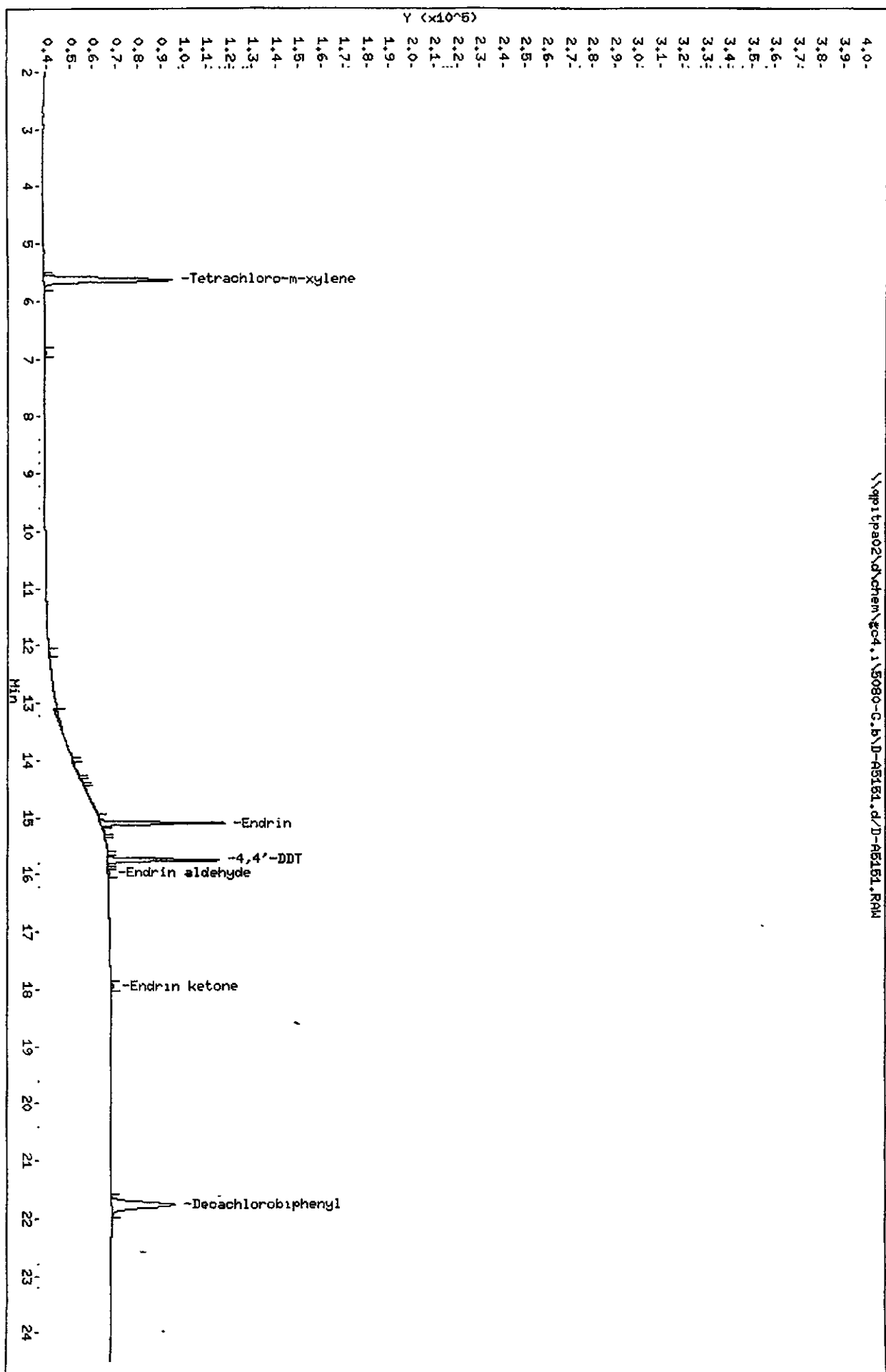
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

DDT=0
 EWLAW=39

Data File: \\pp1tpa02\chem\gc4.1\5080-G.b\D-A5151.d
Date : 07-AUG-2000 15:25
Client ID:
Sample Info: EVALB,5080-G.b, EVALBR,sub,,3,4
Column phase: DB608

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



668 428

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5152.d
Report Date: 10-Aug-2000 09:48

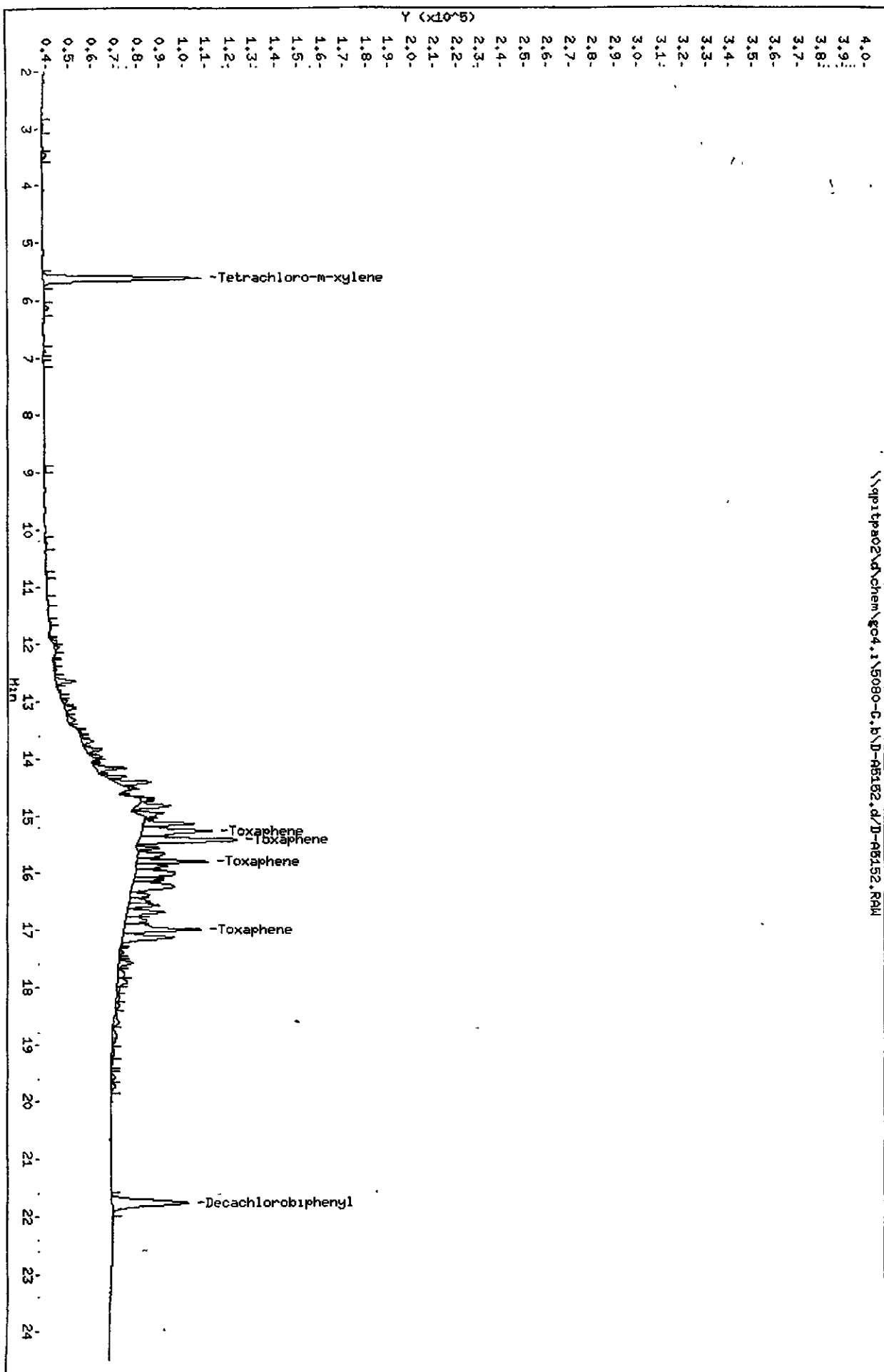
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5152.d
Lab Smp Id: MEDTOX
Inj Date : 07-AUG-2000 15:52
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDTOX,5080-G.b,,1-TOX.sub,,1,3
Misc Info : 190-98-12
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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	15.260	15 260	0 000	30597	1 00000	1.000
\$ 1 Tetrachloro-m-xylene	5.613	5.626	-0 013	69345	0 02500	0 02500
\$ 30 Decachlorobiphenyl	21 753	21 747	0 006	33611	0.02500	0.02500

Data File: \\ppitpac02\chem\gc4.1\5080-G.b\D-A6162.d
Date: 07-AUG-2000 15:52
Client ID:
Sample Info: HEDTOX, 5080-G, b, 1-TOX, sub, 1, 3
Column Phase: DB608

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



668 430

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5153.d
Report Date: 10-Aug-2000 09:48

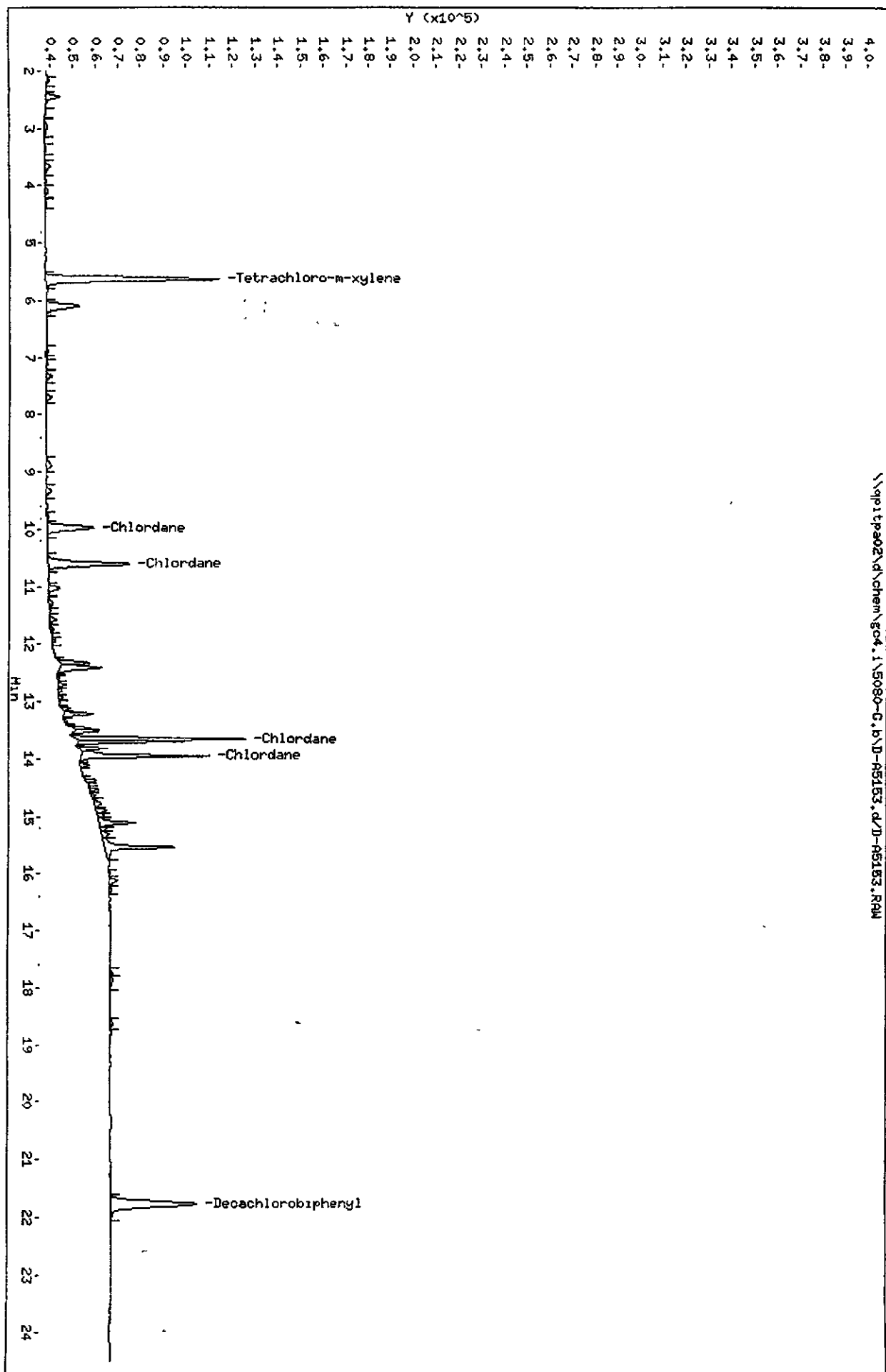
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5153.d
Lab Smp Id: MEDCHLOR
Inj Date : 07-AUG-2000 16:20
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDCHLOR,5080-G.b,,2-CHLO.sub,,1,3
Misc Info : 190-85-10
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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)
=====	==	=====	=====	=====	=====	=====
9 Chlordane	9 973	9 973	0 000	21090	0.25000	0 2500
\$ 1 Tetrachloro m-xylene	5 620	5 626	0 006	75984	0 02500	0 02500
\$ 30 Decachlorobiphenyl	21 766	21 747	0 019	37665	0 02500	0 02500

Data File: \\qpitpa02\chem\gc4.1\5080-G.b.D-A5153.d
Date: 07-AUG-2000 16:20
Client ID:
Sample Info: MEDCHLOR,5080-G.b.,2-CHLO,sub,1,3
Column phase: DB608

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



668 432

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5164.d
 Report Date: 10-Aug-2000 09:50

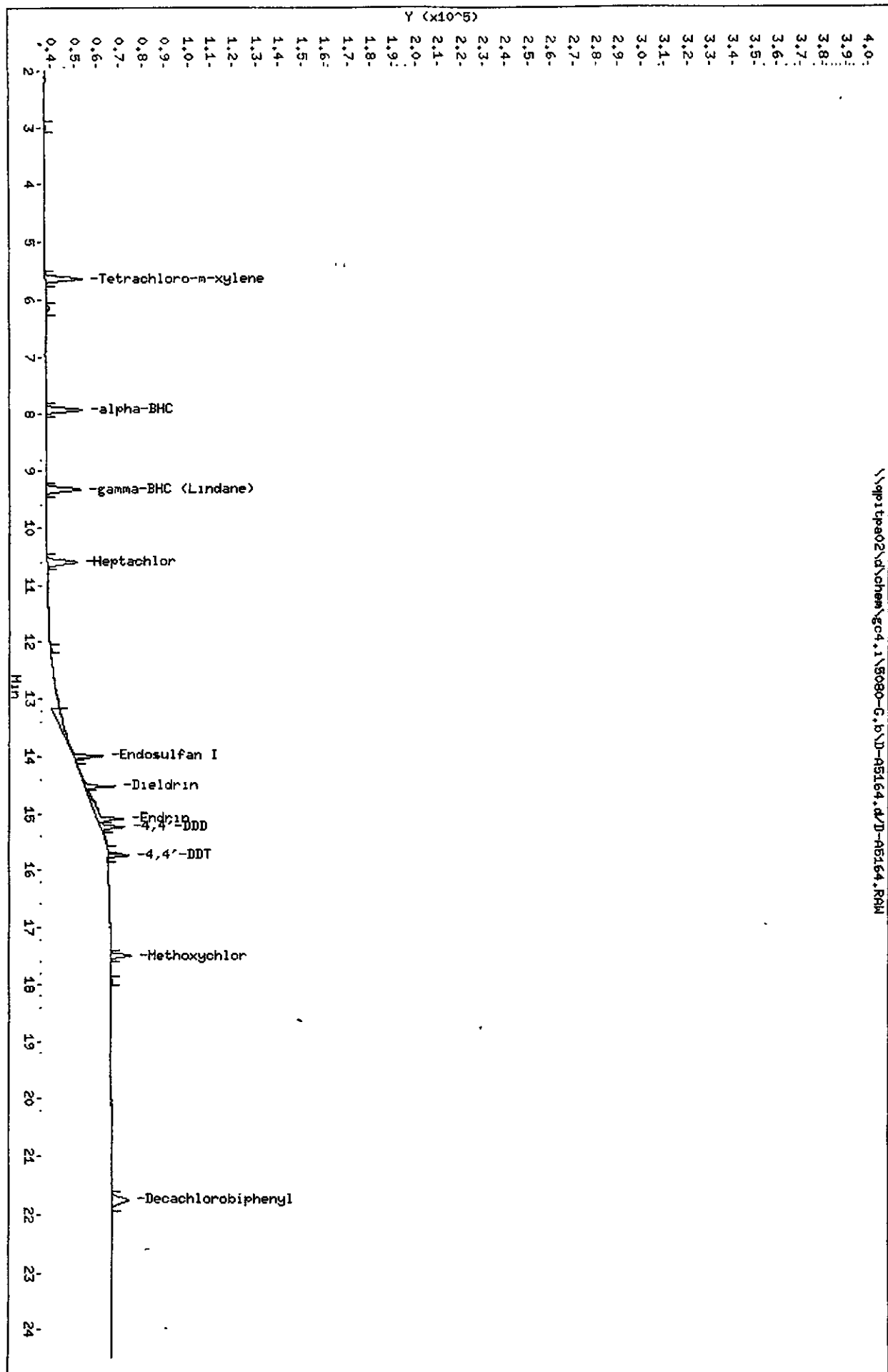
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5164.d
 Lab Smp Id: LOWA
 Inj Date : 07-AUG-2000 21:25
 Operator : 1891 Inst ID: gc4.i
 Smp Info : LOWA,5080-G.b,,3-INDA.sub,,1,1
 Misc Info : 190-84-1
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
-----	---	-----	-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene	5.633	5 626	0 007	15853	0 00500	0.005216
5 alpha-BHC	7 920	7 913	0 007	15848	0 00500	0 004767
6 gamma-BHC (Lindane)	9 320	9 313	0 007	15048	0 00500	0 004915
10 Heptachlor	10 600	10 593	0 007	12716	0 00500	0 005089
15 Endosulfan I	13 986	13 987	-0 001	12675	0 00500	0.004914
17 Dieldrin	14 513	14 513	0 000	13587	0 00500	0 004963
20 Endrin	15.086	15 087	-0 001	11660	0.00500	0.005071
21 4,4'-DDD	15 226	15.227	-0.001	11055	0.00500	0.005085
23 4,4'-DDT	15 733	15 733	0.000	9544	0 00500	0 004872
25 Methoxychlor	17 493	17 493	0 000	8916	0 01000	0.009927
\$ 30 Decachlorobiphenyl	21.746	21 747	-0 001	7525	0 00500	0 005186

Data File: \\pittpa02\chem\gc4.1\5080-G.b\D-A5164.d
Date: 07-AUG-2000 21:25
Client ID:
Sample Info: LOWA,5080-G.b,,3-INDA,sub,,1,1
Column phase: DB608

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



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5165.d
 Report Date: 10-Aug-2000 09:50

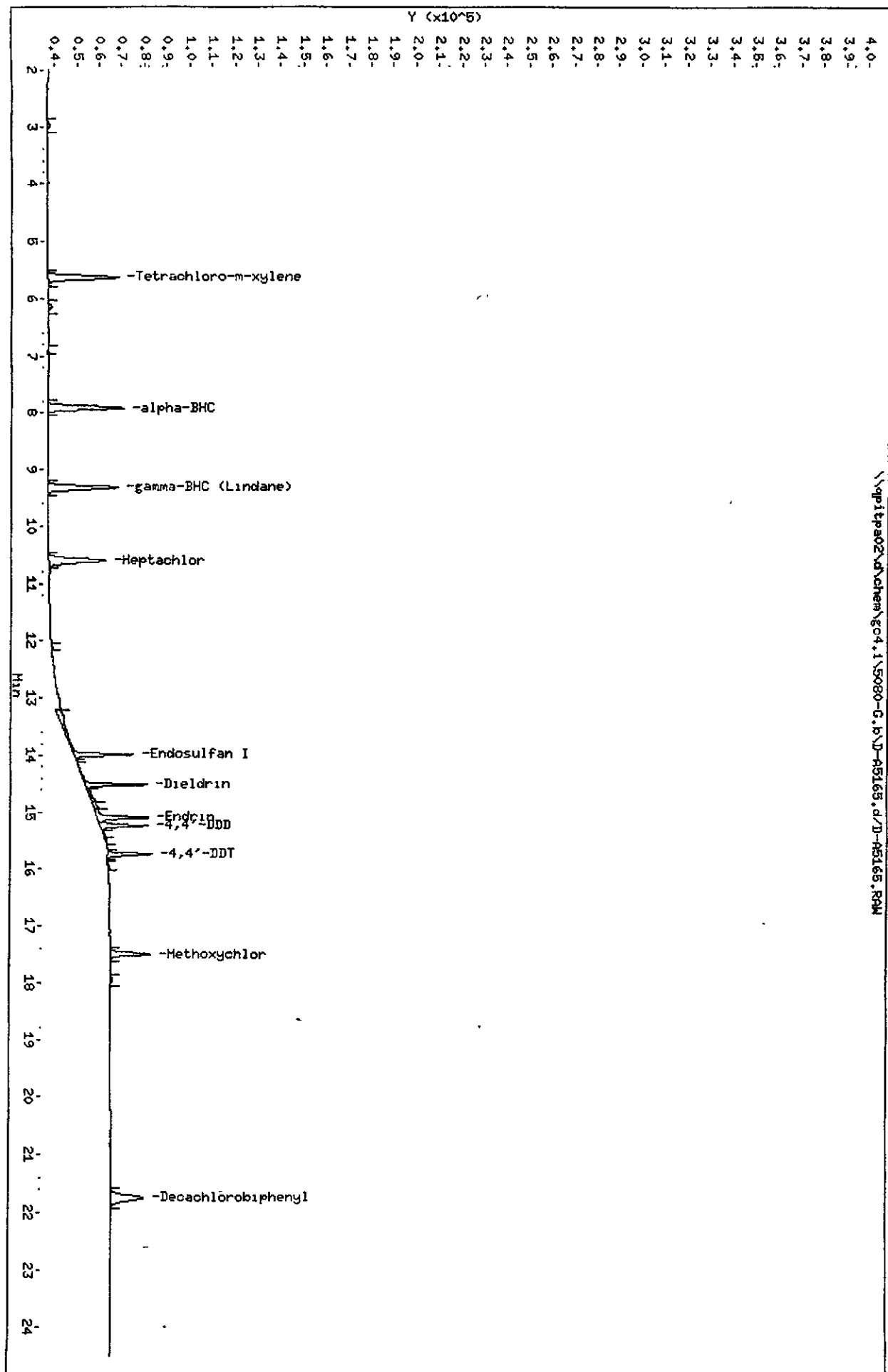
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5165.d
 Lab Smp Id: MLOWA
 Inj Date : 07-AUG-2000 21:53
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MLOWA,5080-G.b,,3-INDA.sub,,1,2
 Misc Info : 190-84-2
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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	5.620	5.626	-0.006	31031	0.01000	0.01014
5 alpha-BHC	7.906	7.913	-0.007	33270	0.01000	0.01000
6 gamma-BHC (Lindane)	9.313	9.313	0.000	30684	0.01000	0.01002
10 Heptachlor	10.593	10.593	0.000	25175	0.01000	0.01005
15 Endosulfan I	13.986	13.987	-0.001	26164	0.01000	0.01010
17 Dieldrin	14.513	14.513	0.000	27385	0.01000	0.01000
20 Endrin	15.086	15.087	-0.001	22763	0.01000	0.009933
21 4,4'-DDD	15.226	15.227	0.001	21464	0.01000	0.009914
23 4,4'-DDT	15.733	15.733	0.000	19729	0.01000	0.01005
25 Methoxychlor	17.493	17.493	0.000	18024	0.02000	0.02004
\$ 30 Decachlorobiphenyl	21.746	21.747	-0.001	14827	0.01000	0.01014

Data File: \\qptpa02\chem\gc4.1\5080-G.b.D-65165.d
Date: 07-AUG-2000 21:53
Client ID:
Sample Info: HL046,5080-G.b.,3-INDA,sub.,1,2
Column phase: DB608

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



668 436

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5166.d

Report Date: 10-Aug-2000 09:50

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5166.d

Lab Smp Id: MEDA

Inj Date : 07-AUG-2000 22:21

Operator : 1891

Inst ID: gc4.i

Smp Info : MEDA,5080-G.b,,3-INDA.sub,,1,3

Misc Info : 190-84-3

Comment :

Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

Meth Date : 10-Aug-2000 09:47 matkol

Quant Type: ESTD

Cal Date : 08-AUG-2000 00:39

Cal File: D-A5171.d

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 3-INDA.sub

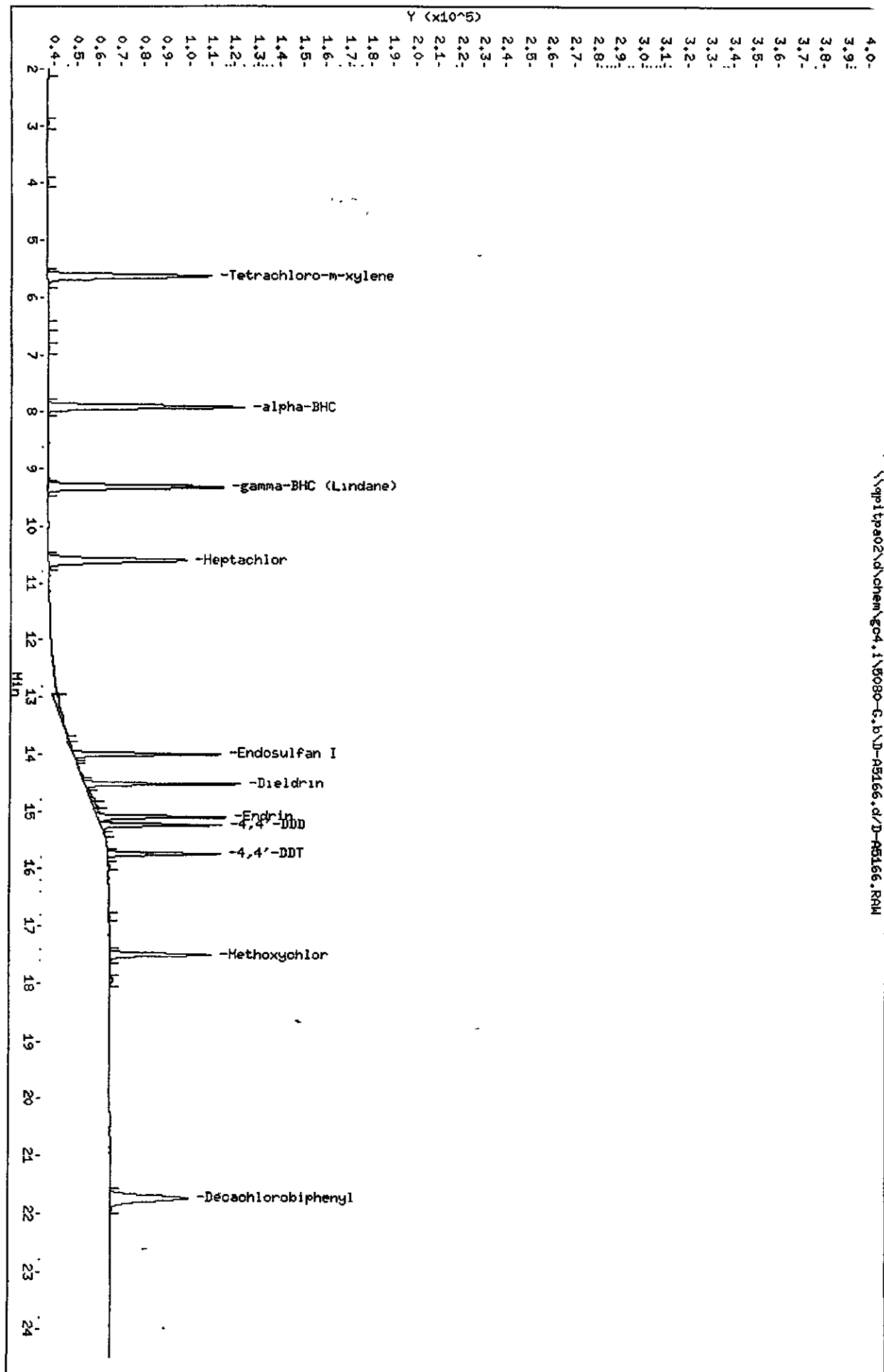
Target Version: 4.04

Processing Host: PITPC044

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds					(ng)	(ng)
=====					=====	=====
\$ 1	Tetrachloro-m-xylene	5.626	5.626	0.000	72693	0.02500
5	alpha-BHC	7.913	7.913	0.000	86990	0.02500
6	gamma-BHC (Lindane)	9.313	9.313	0.000	77832	0.02500
10	Heptachlor	10.593	10.593	0.000	61364	0.02500
15	Endosulfan I	13.986	13.987	-0.001	65590	0.02500
17	Dieldrin	14.513	14.513	0.000	68947	0.02500
20	Endrin	15.086	15.087	-0.001	56661	0.02500
21	4,4'-DDD	15.226	15.227	-0.001	53433	0.02500
23	4,4'-DDT	15.733	15.733	0.000	50236	0.02500
25	Methoxychlor	17.493	17.493	0.000	45234	0.05000
\$ 30	Decachlorobiphenyl	21.746	21.747	-0.001	34930	0.02500

Data File: \\pp1tpa02\chem\gc4.1\5080-G.b\D-A5166.d
Date: 07-AUG-2000 22:21
Client ID:
Sample Info: MEDA,5080-G.b,,3-INDA,sub,,1,3
Column phase: DB608

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



668\438

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5167.d

Report Date: 10-Aug-2000 09:50

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5167.d

Lab Smp Id: MHIGHA

Inj Date : 07-AUG-2000 22:49

Operator : 1891

Inst ID: gc4.i

Smp Info : MHIGHA,5080-G.b,,3-INDA.sub,,1,4

Misc Info : 190-84-4

Comment :

Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m

Meth Date : 10-Aug-2000 09:47 matkol

Quant Type: ESTD

Cal Date : 08-AUG-2000 00:39

Cal File: D-A5171.d

Als bottle: 1

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 3-INDA.sub

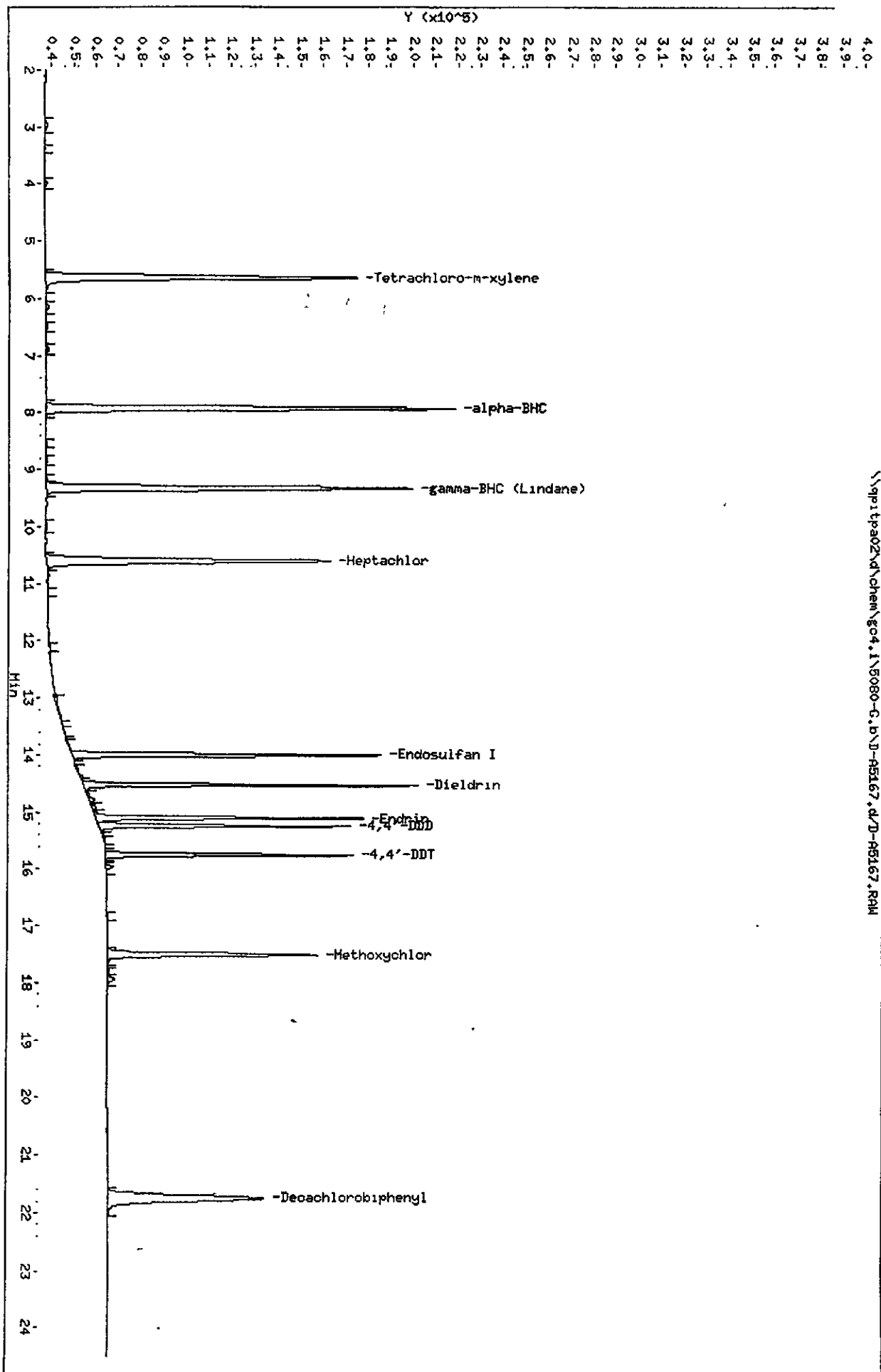
Target Version: 4.04

Processing Host: PITPC044

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.633	5.626	0.007	137742	0.05000	0.04616
5 alpha-BHC	7.920	7.913	0.007	181782	0.05000	0.05342
6 gamma BHC (Lindane)	9.320	9.313	0.007	162195	0.05000	0.05217
10 Heptachlor	10.600	10.593	0.007	125021	0.05000	0.04993
15 Endosulfan I	13.986	13.987	-0.001	137092	0.05000	0.05214
17 Dieldrin	14.513	14.513	0.000	148279	0.05000	0.05305
20 Endrin	15.093	15.087	0.006	118328	0.05000	0.05122
21 4,4'-DDD	15.226	15.227	-0.001	111620	0.05000	0.05116
23 4,4'-DDT	15.733	15.733	0.000	109268	0.05000	0.05412
25 Methoxychlor	17.493	17.493	0.000	92276	0.10000	0.1020
\$ 30 Decachlorobiphenyl	21.746	21.747	-0.001	68778	0.05000	0.04776

Data File: \\qptipa02\chem\gc4.i\5080-G.b\J-A5167.d
 Date: 07-AUG-2000 22:49
 Client ID:
 Sample Info: HHIGH, 5080-G.b, 3-INDA, sub, 1,4
 Column Phase: DB608

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



668 440

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5168.d
 Report Date: 10-Aug-2000 09:50

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5168.d
 Lab Smp Id: HIGHA
 Inj Date : 07-AUG-2000 23:16
 Operator : 1891 Inst ID: gc4.i
 Smp Info : HIGHA,5080-G.b,,3-INDA.sub,,1,5
 Misc Info : 190-84-5
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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: PITPC044

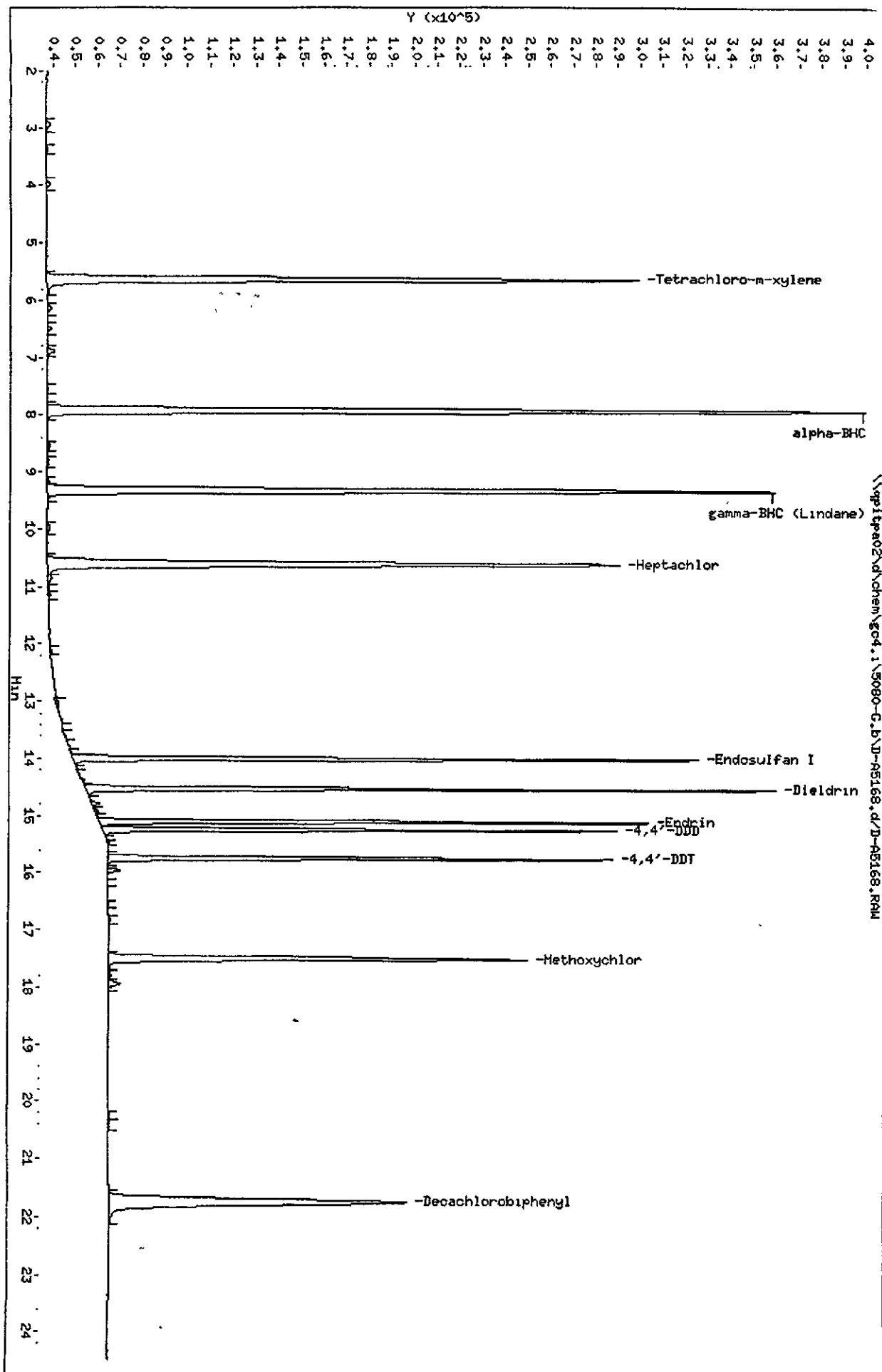
Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m xylene	5.626	5.626	0.000	262161	0.10000	0.09004
5 alpha-BHC	7.913	7.913	0.000	365264	0.10000	0.1058(A)
6 gamma-BHC (Lindane)	9.320	9.313	0.007	322032	0.10000	0.1028(A)
10 Heptachlor	10.600	10.593	0.007	253276	0.10000	0.1009(A)
15 Endosulfan I	13.986	13.987	-0.001	277145	0.10000	0.1043(A)
17 Dieldrin	14.513	14.513	0.000	305658	0.10000	0.1074(A)
20 Endrin	15.086	15.087	-0.001	243541	0.10000	0.1043(A)
21 4,4'-DDD	15.226	15.227	-0.001	228258	0.10000	0.1037(A)
23 4,4'-DDT	15.733	15.733	0.000	223635	0.10000	0.1084(A)
25 Methoxychlor	17.493	17.493	0.000	185176	0.20000	0.2037(A)
\$ 30 Decachlorobiphenyl	21.746	21.747	-0.001	131858	0.10000	0.09313

QC Flag Legend

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

Data File: \\pptp02\chem\gc4.1\5080-G.b\D-A5168.d
Date: 07-AUG-2000 23:16
Client ID:
Sample Info: HIGH9,5080-G.b,3-INDA,sub,1,5
Column phase: DB608

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



668 442

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5169.d
Report Date: 10-Aug-2000 09:50

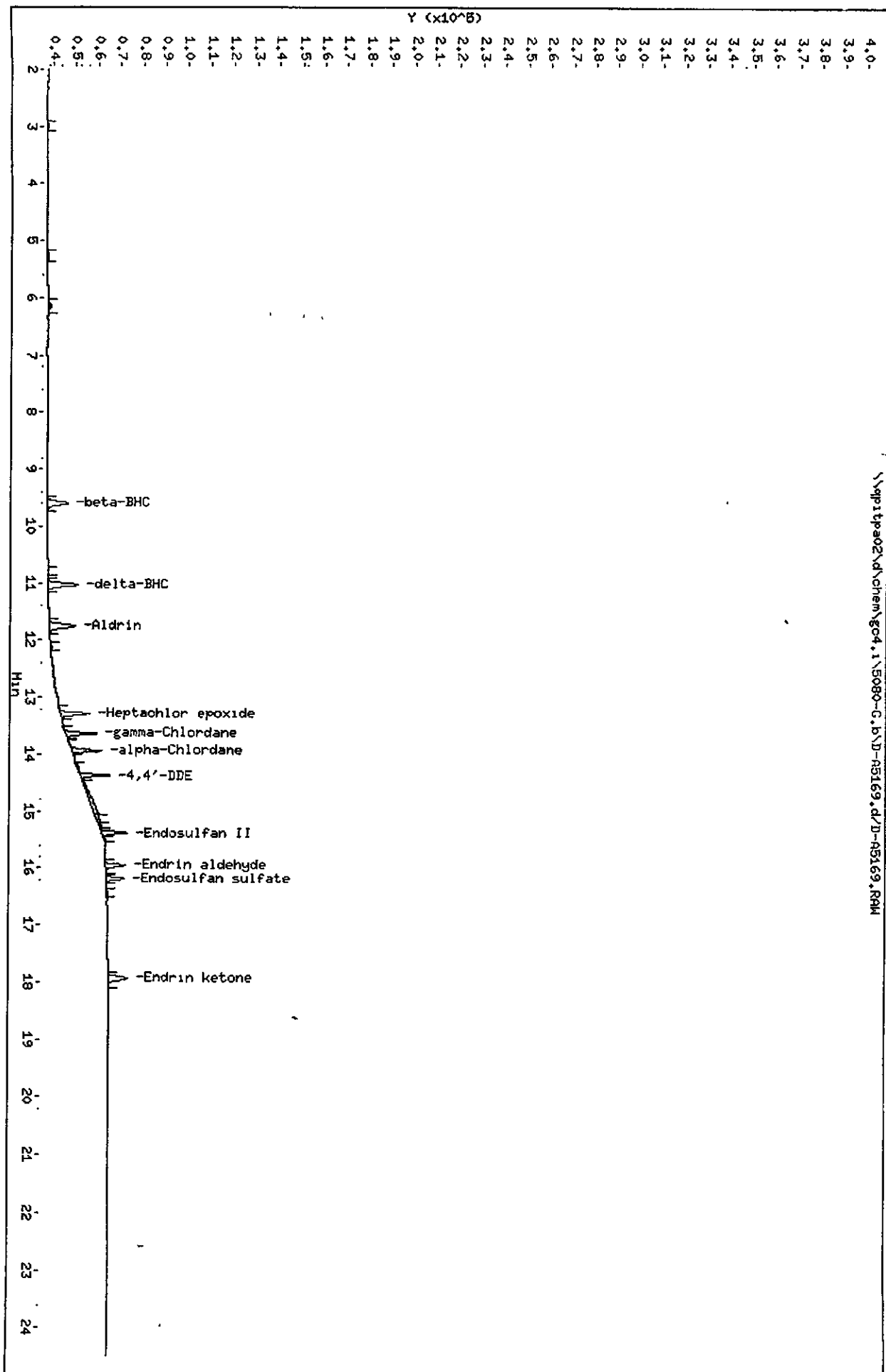
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5169.d
Lab Smp Id: LOWB
Inj Date : 07-AUG-2000 23:44
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWB,5080-G.b,,4-INDB.sub,,1,1
Misc Info : 190-84-7
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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	11.760	0.000	11236	0.00500	0.004920
7 beta-BHC	9.600	9.600	0.000	9296	0.00500	0.005219
8 delta-BHC	11.033	11.033	0.000	13481	0.00500	0.004758
12 Heptachlor epoxide	13.286	13.287	-0.001	12873	0.00500	0.004928
13 gamma-Chlordane	13.626	13.627	-0.001	13837	0.00500	0.004990
14 alpha-Chlordane	13.933	13.933	0.000	13545	0.00500	0.004894
16 4,4'-DDE	14.373	14.373	0.000	13074	0.00500	0.004848
22 Endosulfan II	15.380	15.380	0.000	11519	0.00500	0.005013
24 Endrin aldehyde	15.946	15.947	-0.001	9241	0.00500	0.005031
26 Endosulfan sulfate	16.180	16.172	0.008	8167	0.00500	0.004862
27 Endrin ketone	17.940	17.933	0.007	8743	0.00500	0.004898

Data File: \\pp1tpa02\chem\gc4.1\5080-G.b.D-AB169.d
Date : 07-AUG-2000 23:44
Client ID:
Sample Info: LOWB,5080-G.b,,4-INDB,sub,,1,1
Column phase: DB608

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



668 444
 Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5170.d
 Report Date: 10-Aug-2000 09:51

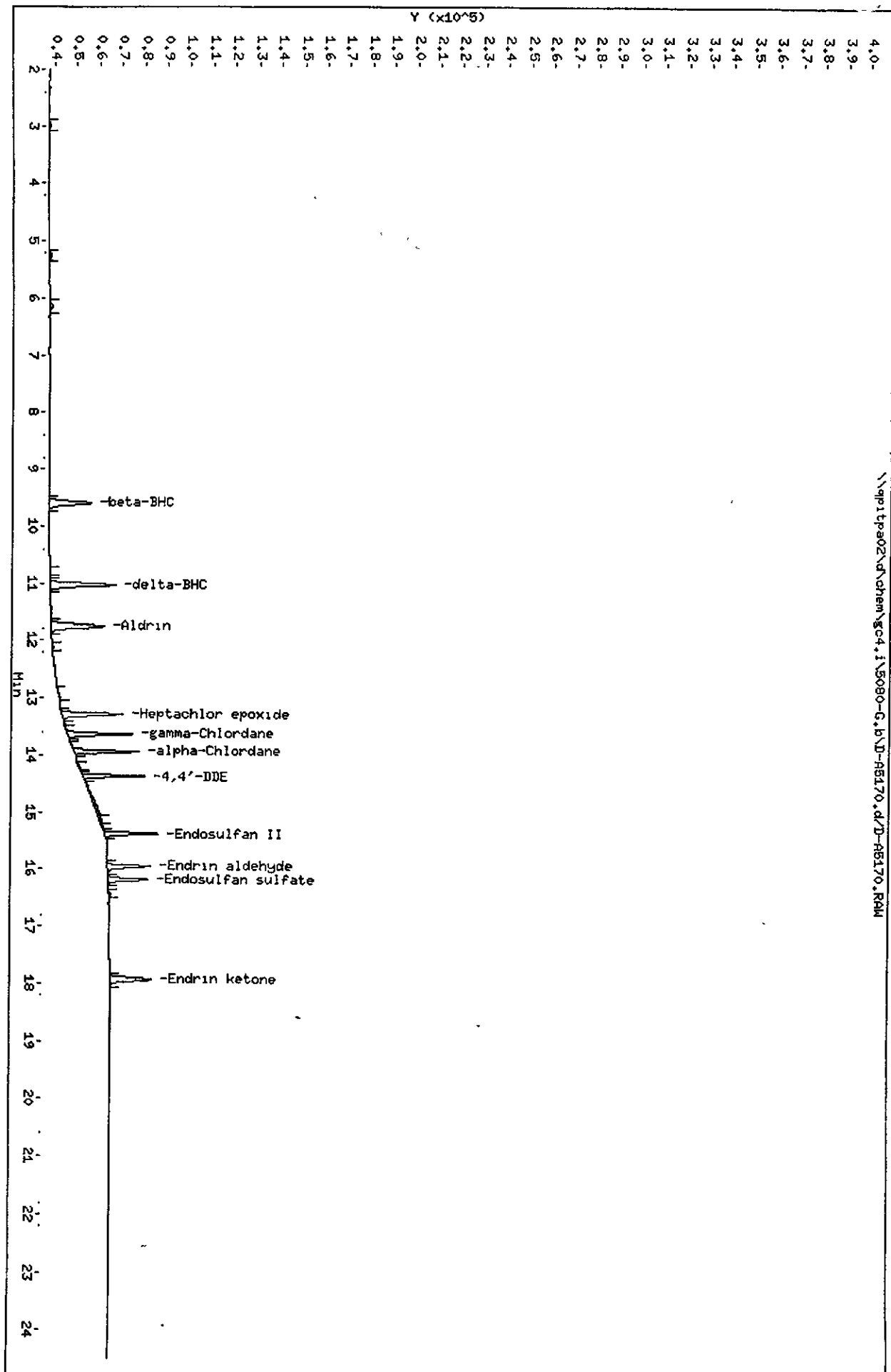
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5170.d
 Lab Smp Id: MLOWB
 Inj Date : 08-AUG-2000 00:12
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MLOWB, 5080-G.b, , 4-INDB.sub, , 1, 2
 Misc Info : 190-84-8
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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	11.760	11.760	0.000	23550	0.01000	0.01020
7 beta-BHC	9.600	9.600	0.000	18784	0.01000	0.01036
8 delta-BHC	11.033	11.033	0.000	28990	0.01000	0.01015
12 Heptachlor epoxide	13.286	13.287	-0.001	26815	0.01000	0.01018
13 gamma-Chlordane	13.626	13.627	-0.001	28714	0.01000	0.01023
14 alpha-Chlordane	13.933	13.933	0.000	28897	0.01000	0.01029
16 4,4' DDE	14.373	14.373	0.000	27467	0.01000	0.01012
22 Endosulfan II	15.380	15.380	0.000	23637	0.01000	0.01019
24 Endrin aldehyde	15.946	15.947	-0.001	19153	0.01000	0.01028
26 Endosulfan sulfate	16.173	16.172	0.001	17673	0.01000	0.01034
27 Endrin ketone	17.933	17.933	0.000	18580	0.01000	0.01027

Data File: \\pp1tpa02\chem\gc4.1\5080-G.b.D-AS170.d
Date: 08-AUG-2000 00:12
Client ID:
Sample Info: HLOMB,5080-G.b./4-INDB.sub.1,2
Column phase: DB608

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



668 446

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5171.d
Report Date: 10-Aug-2000 09:51

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5171.d
Lab Smp Id: MEDB
Inj Date : 08-AUG-2000 00:39
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB,5080-G.b,,4-INDB.sub,,1,3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-A5171.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	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11.760	11.760	0.000	58006	0.02500	0.02500
7 beta-BHC	9.600	9.600	0.000	42584	0.02500	0.02500
8 delta-BHC	11.033	11.033	0.000	74273	0.02500	0.02500
12 Heptachlor epoxide	13.286	13.287	-0.001	66246	0.02500	0.02500
13 gamma-Chlordane	13.626	13.627	-0.001	69472	0.02500	0.02500
14 alpha-Chlordane	13.933	13.933	0.000	70643	0.02500	0.02500
16 4,4'-DDE	14.373	14.373	0.000	69461	0.02500	0.02500
22 Endosulfan II	15.380	15.380	0.000	57285	0.02500	0.02500
24 Endrin aldehyde	15.946	15.947	-0.001	45633	0.02500	0.02500
26 Endosulfan sulfate	16.173	16.172	0.001	43154	0.02500	0.02500
27 Endrin ketone	17.933	17.933	0.000	45543	0.02500	0.02500

Data File: \\ppitpa02\chem\gc4.1\5080-G.b\D-A5171.d
Date: 08-AUG-2000 00:39

Client ID:

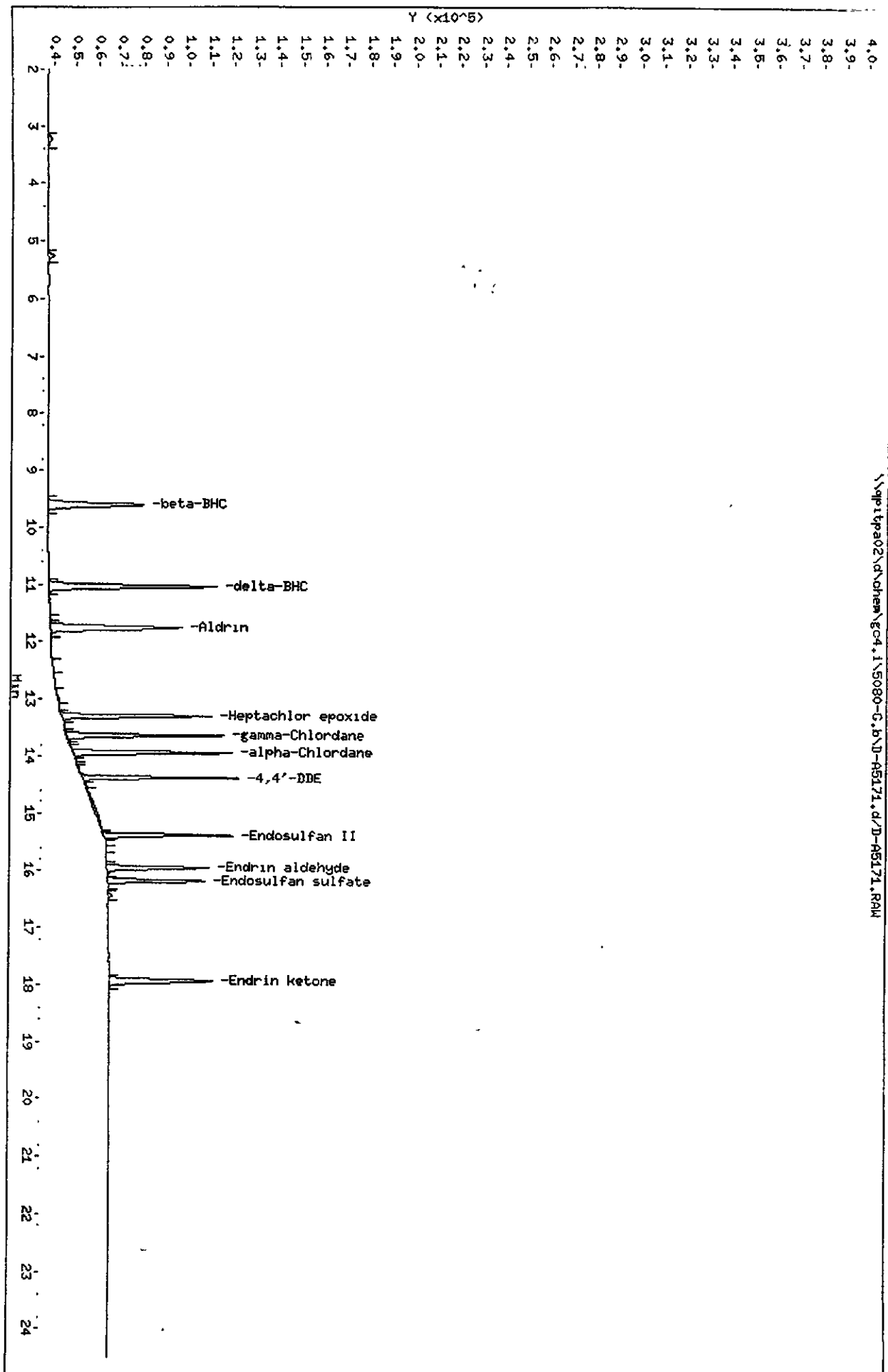
Sample Info: HEDB,5080-G.b,,4-INDB.sub,,1,3

Column phase: DB608

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53



668 448

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5172.d
Report Date: 10-Aug-2000 09:51

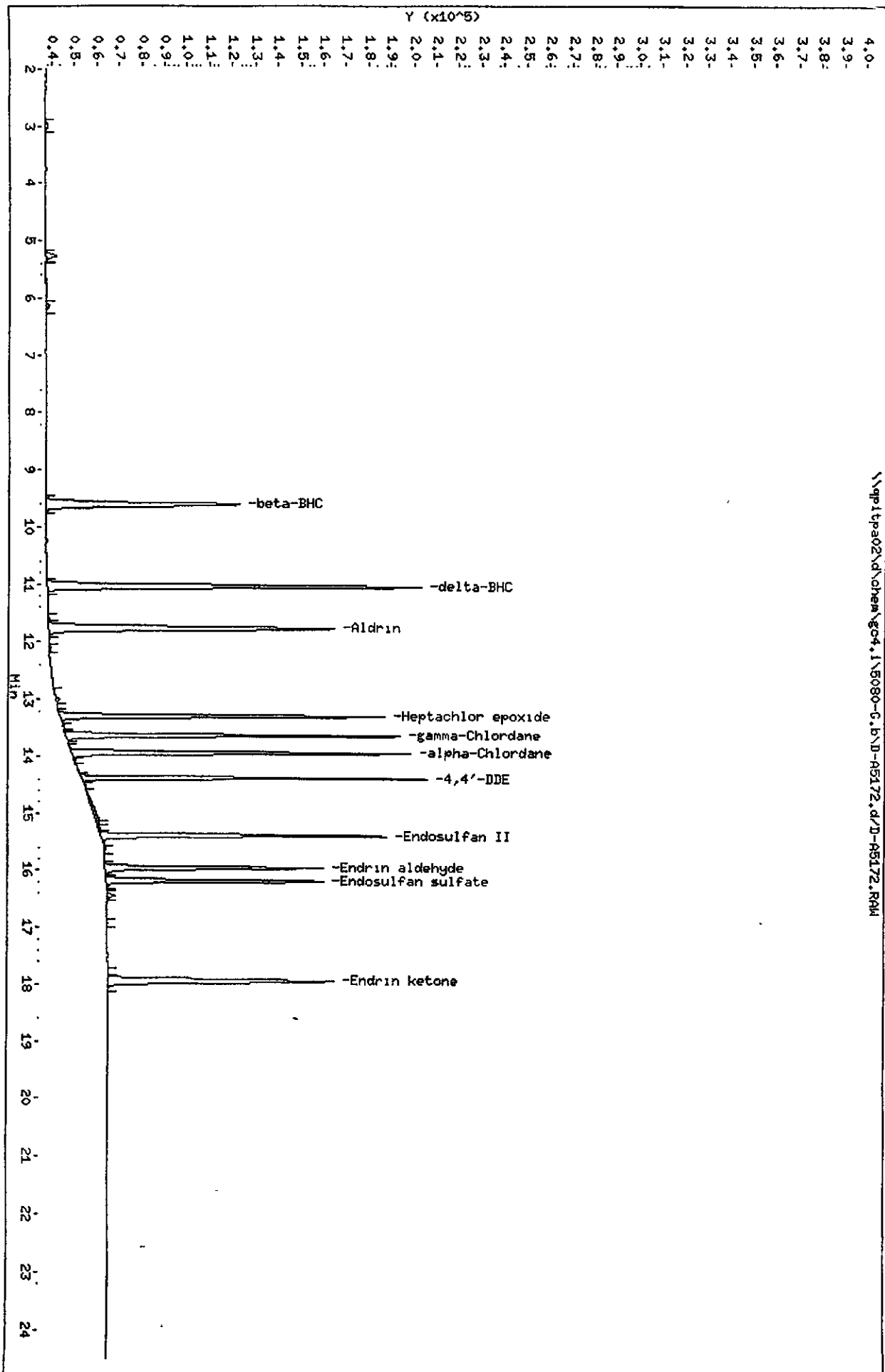
STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5172.d
Lab Smp Id: MHIGHB
Inj Date : 08-AUG-2000 01:07
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHB,5080-G.b,,4-INDB.sub,,1,4
Misc Info : 190-84-10
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 01:07 Cal File: D-A5172.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	11.760	0.000	126302	0.05000	0.05347
7 beta-BHC	9.600	9.600	0.000	85444	0.05000	0.04780
8 delta-BHC	11.033	11.033	0.000	165572	0.05000	0.05576
12 Heptachlor epoxide	13.286	13.287	-0.001	143750	0.05000	0.05333
13 gamma-Chlordane	13.626	13.627	-0.001	148093	0.05000	0.05206
14 alpha-Chlordane	13.933	13.933	0.000	150172	0.05000	0.05256
16 4,4'-DDE	14.373	14.373	0.000	153102	0.05000	0.05467
22 Endosulfan II	15.380	15.380	0.000	126536	0.05000	0.05334
24 Endrin aldehyde	15.946	15.947	-0.001	96525	0.05000	0.05135
26 Endosulfan sulfate	16.173	16.172	0.001	96278	0.05000	0.05461
27 Endrin ketone	17.933	17.933	0.000	99940	0.05000	0.05382

Data File: \\pptpa02\chem\gc4.1\5080-G.b\D-A5172.d
Date: 08-AUG-2000 01:07
Client ID:
Sample Info: MHIGHB,5080-G.b,,4-INDB.sub,,1.4
Column phase: DB608

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



668 450

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5173.d
Report Date: 10-Aug-2000 09:51

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5173.d
 Lab Smp Id: HIGHB
 Inj Date : 08-AUG-2000 01:35
 Operator : 1891 Inst ID: gc4.i
 Smp Info : HIGHB,5080-G.b,,4-INDB.sub,,1,5
 Misc Info : 190-84-11
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.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

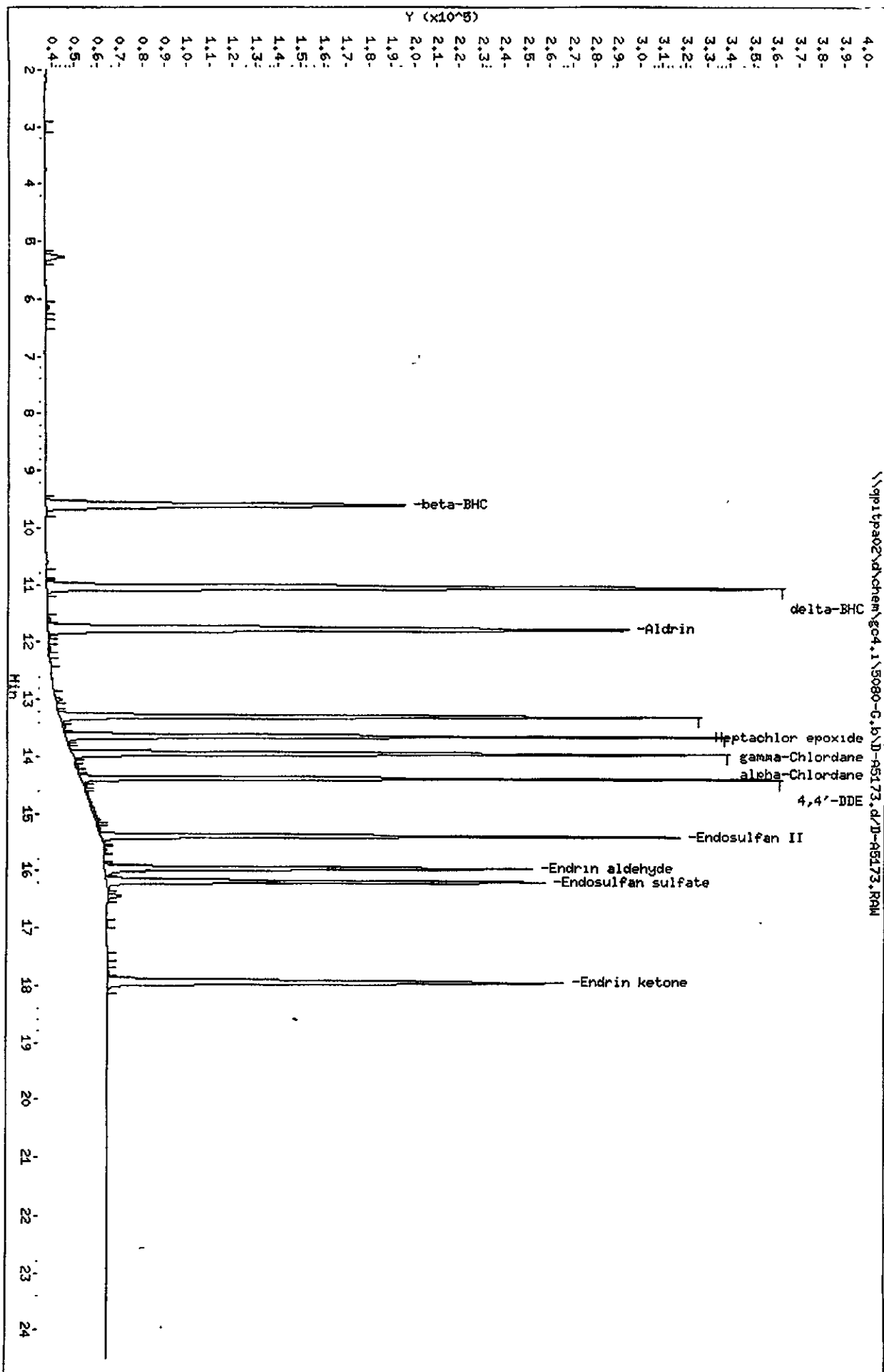
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.760	11.760	0.000	256434	0.10000	0.1067(A)
7 beta-BHC	9.600	9.600	0.000	158593	0.10000	0.09077
8 delta-BHC	11.033	11.033	0.000	325981	0.10000	0.1077(A)
12 Heptachlor epoxide	13.286	13.287	-0.001	283713	0.10000	0.1042(A)
13 gamma-Chlordane	13.626	13.627	-0.001	292940	0.10000	0.1024(A)
14 alpha-Chlordane	13.933	13.933	0.000	291044	0.10000	0.1015(A)
16 4,4'-DDE	14.373	14.373	0.000	309988	0.10000	0.1084(A)
22 Endosulfan II	15.380	15.380	0.000	255527	0.10000	0.1061(A)
24 Endrin aldehyde	15.946	15.947	-0.001	188859	0.10000	0.1004(A)
26 Endosulfan sulfate	16.180	16.172	0.008	193915	0.10000	0.1078(A)
27 Endrin ketone	17.933	17.933	0.000	201413	0.10000	0.1067(A)

QC Flag Legend

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

Data File: \\pittpa02\chem\gc4.1\5080-G.b.D-85173.d
 Date : 08-AUG-2000 01:35
 Client ID:
 Sample Info: HIGHB,5080-G.b.,4-INDB,sub.,1,5
 Column phase: DB608

Instrument: gc4.1
 Operator: 1891
 Column diameter: 0.63



668 452

Data File: \\gp1tpa02\d\chem\gc4.i\5080-G.b\D-A5174.d

Report Date: 10-Aug-2000 09:51

STL Pittsburgh

Data file : \\gp1tpa02\d\chem\gc4.i\5080-G.b\D-A5174.d
 Lab Smp Id: 2ND A
 Inj Date : 08-AUG-2000 02:03
 Operator : 1891 Inst ID: gc4.i
 Smp Info : 2ND A,5080-G.b,,INDA.sub,,2,3
 Misc Info : 190-82-2
 Comment :
 Method : \\gp1tpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: INDA.sub
 Target Version: 4.04
 Processing Host: PITPC044

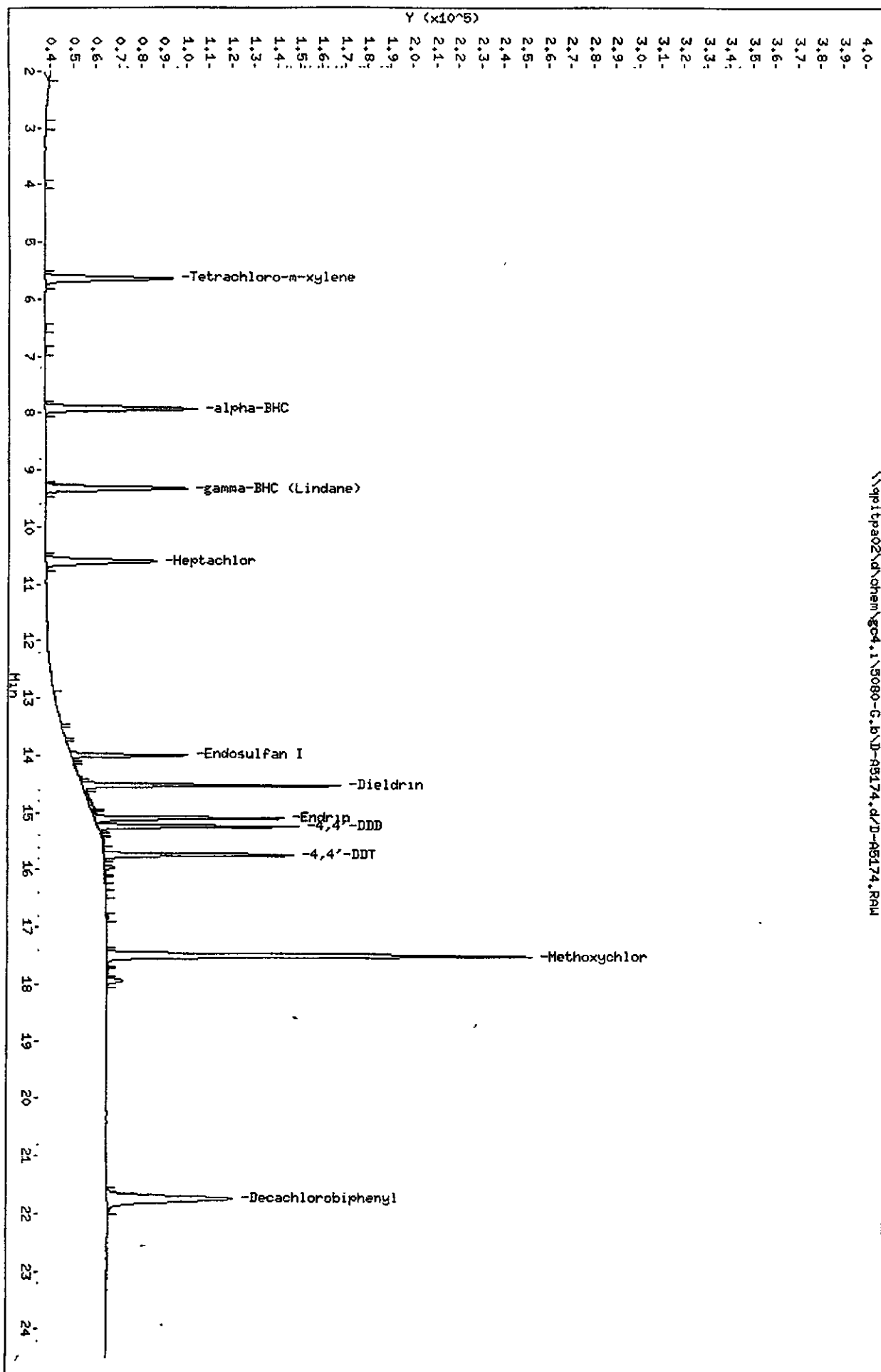
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	*****	*****	*****	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.626	5.626	0.000	56667	0.02500	0.01946
5 alpha-BHC	7.920	7.913	0.007	67450	0.02500	0.01953
6 gamma-BHC (Lindane)	9.320	9.313	0.007	62470	0.02500	0.01995
10 Heptachlor	10.600	10.593	0.007	49247	0.02500	0.01962
15 Endosulfan I	13.986	13.987	-0.001	51882	0.02500	0.01952
17 Dieldrin	14.513	14.513	0.000	114298	0.02500	0.04014
20 Endrin	15.086	15.087	-0.001	83529	0.02500	0.03577
21 4,4'-DDD	15.226	15.227	-0.001	88953	0.02500	0.04040
23 4,4'-DDT	15.733	15.733	0.000	83828	0.02500	0.04064
25 Methoxychlor	17.486	17.493	-0.007	187719	0.05000	0.2065(A)
\$ 30 Decachlorobiphenyl	21.740	21.747	-0.007	55451	0.02500	0.03916

QC Flag Legend

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

Data File: \\pp1tpa02\chem\gc4.1\5080-G.b\D-A5174.d
 Date: 08-AUG-2000 02:03
 Client ID:
 Sample Info: 2ND A,5080-G.b,INDA,sub,,2,3
 Column phase: DB608

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



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5175.d

Report Date: 10-Aug-2000 09:51

STL Pittsburgh

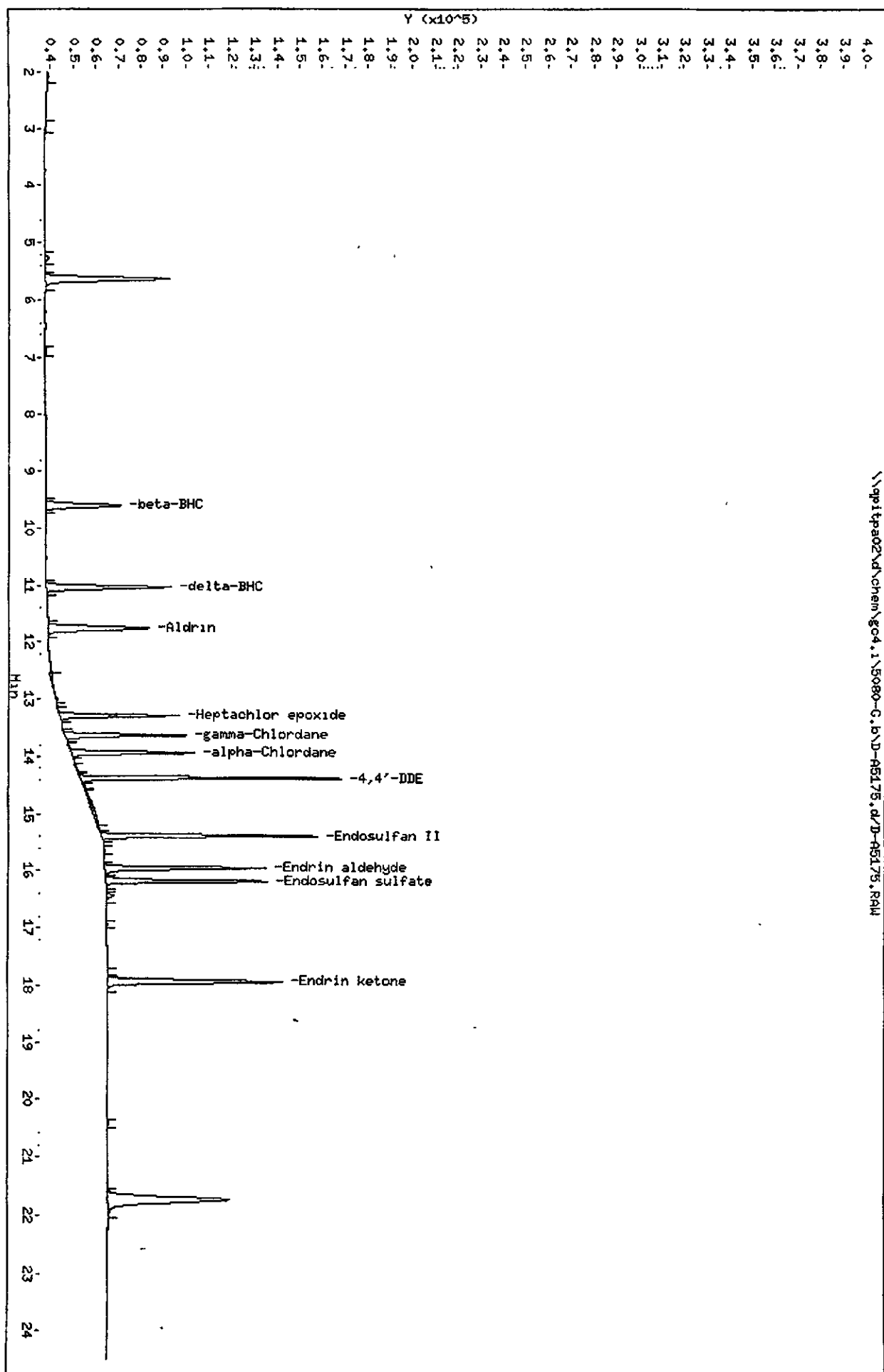
Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5175.d
 Lab Smp Id: 2ND B
 Inj Date : 08-AUG-2000 02:30
 Operator : 1891
 Smp Info : 2ND B,5080-G.b,,INDB.sub,,2,3
 Misc Info : 190-82-5
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol
 Cal Date : 08-AUG-2000 01:35
 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-A5173.d
 Continuing Calibration Sample
 Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11 760	11 760	0.000	44837	0.02500	0 01866
7 beta-BHC	9 600	9 600	0 000	33280	0 02500	0.01905
8 delta BHC	11 033	11 033	0 000	55439	0.02500	0.01831
12 Heptachlor epoxide	13 286	13 287	-0 001	53095	0 02500	0 01949
13 gamma-Chlordane	13 626	13.627	-0 001	54336	0 02500	0 01899
14 alpha-Chlordane	13.933	13.933	0 000	54871	0.02500	0.01913
16 4,4'-DDE	14.373	14 373	0 000	115564	0.02500	0.04040
22 Endosulfan II	15.380	15.380	0.000	95406	0 02500	0 03960
24 Endrin aldehyde	15 946	15.947	-0 001	71195	0.02500	0.03784
26 Endosulfan sulfate	16 173	16 172	0 001	71790	0.02500	0.03992
27 Endrin ketone	17 933	17 933	0 000	77503	0.02500	0 04104

Data File: \\qp1tpa02\chem\gc4.1\5080-G.b\D-65175.d
Date : 08-AUG-2000 02:30
Client ID:
Sample Info: 2ND B,5080-G.b,,INDB,sdb,,2,3
Column phase: DB608

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



668 456

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5176.d
Report Date: 10-Aug-2000 09:52

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5176.d
 Lab Smp Id: EVALB
 Inj Date : 08-AUG-2000 02:58
 Operator : 1891 Inst ID: gc4.i
 Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
 Misc Info : 190-88-8
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 10-Aug-2000 09:47 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.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	5.626	0.014	58813	0.02020	0.02020(R)
16 4,4' DDE	14.380	14.373	0.007	589	<0.0	0.0002059
20 Endrin	15.086	15.087	-0.001	54948	0.02353	0.02353
21 4,4'-DDD	Compound Not Detected					
23 4,4'-DDT	15.733	15.733	0.000	51331	0.02489	0.02489
24 Endrin aldehyde	15.946	15.947	-0.001	1885	0.00100	0.001002
27 Endrin ketone	17.933	17.933	0.000	2011	0.00107	0.001065
\$ 30 Decachlorobiphenyl	21.740	21.747	-0.007	29283	0.02068	0.02068(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

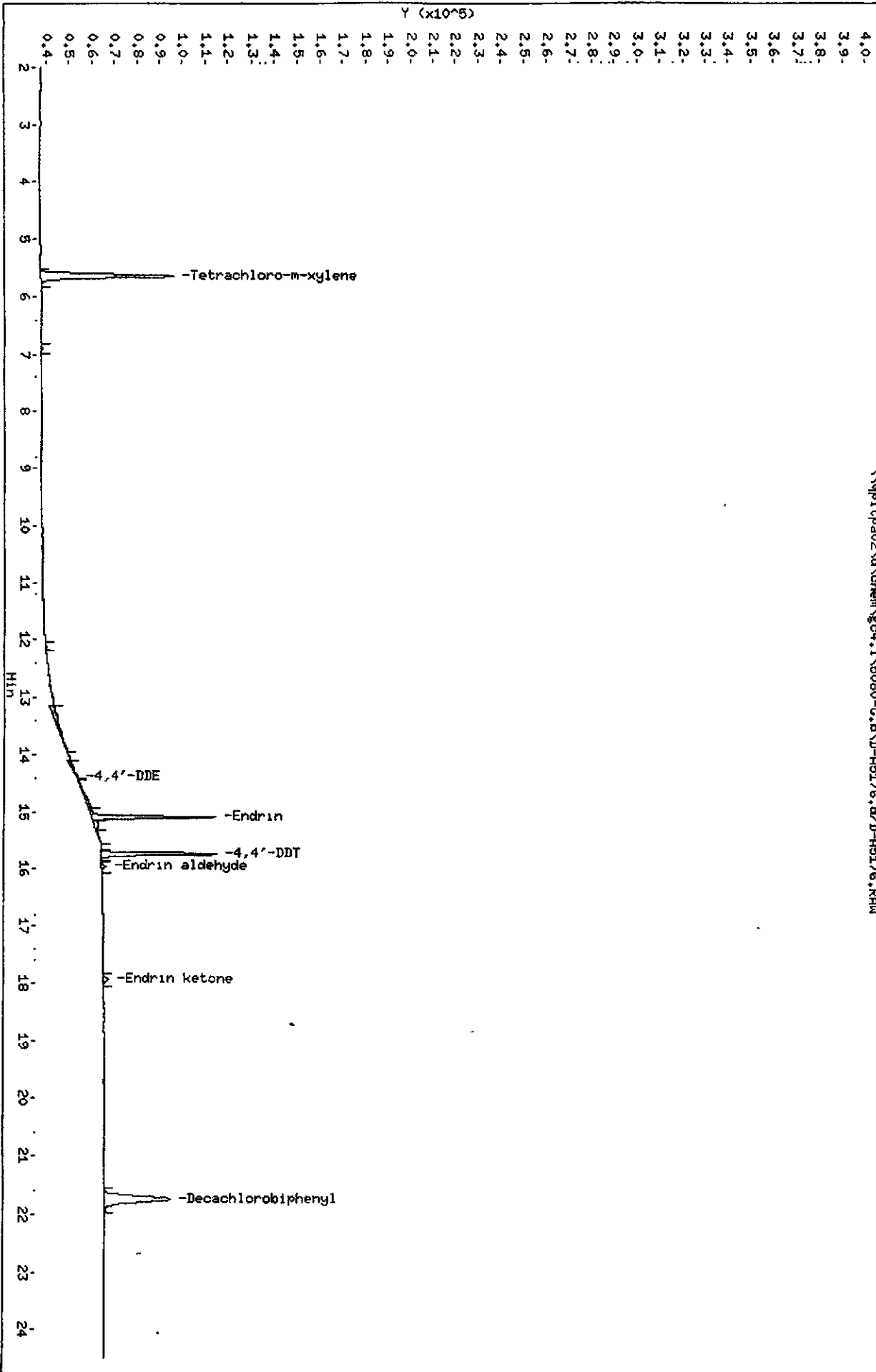
DDT = 1.1

Endrin = 6.6

Data File: \\pptpa02\chem\gc4.1\5080-G.b\D-45176.d
Date : 08-AUG-2000 02:58
Client ID:
Sample Info: EVALB,5080-G.b,EVALBR,sub,3,1
Column phase: DB608

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

\\pptpa02\chem\gc4.1\5080-G.b\D-45176.d\D-45176.RAW



668 458

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5482.d
 Report Date: 21-Aug-2000 13:51

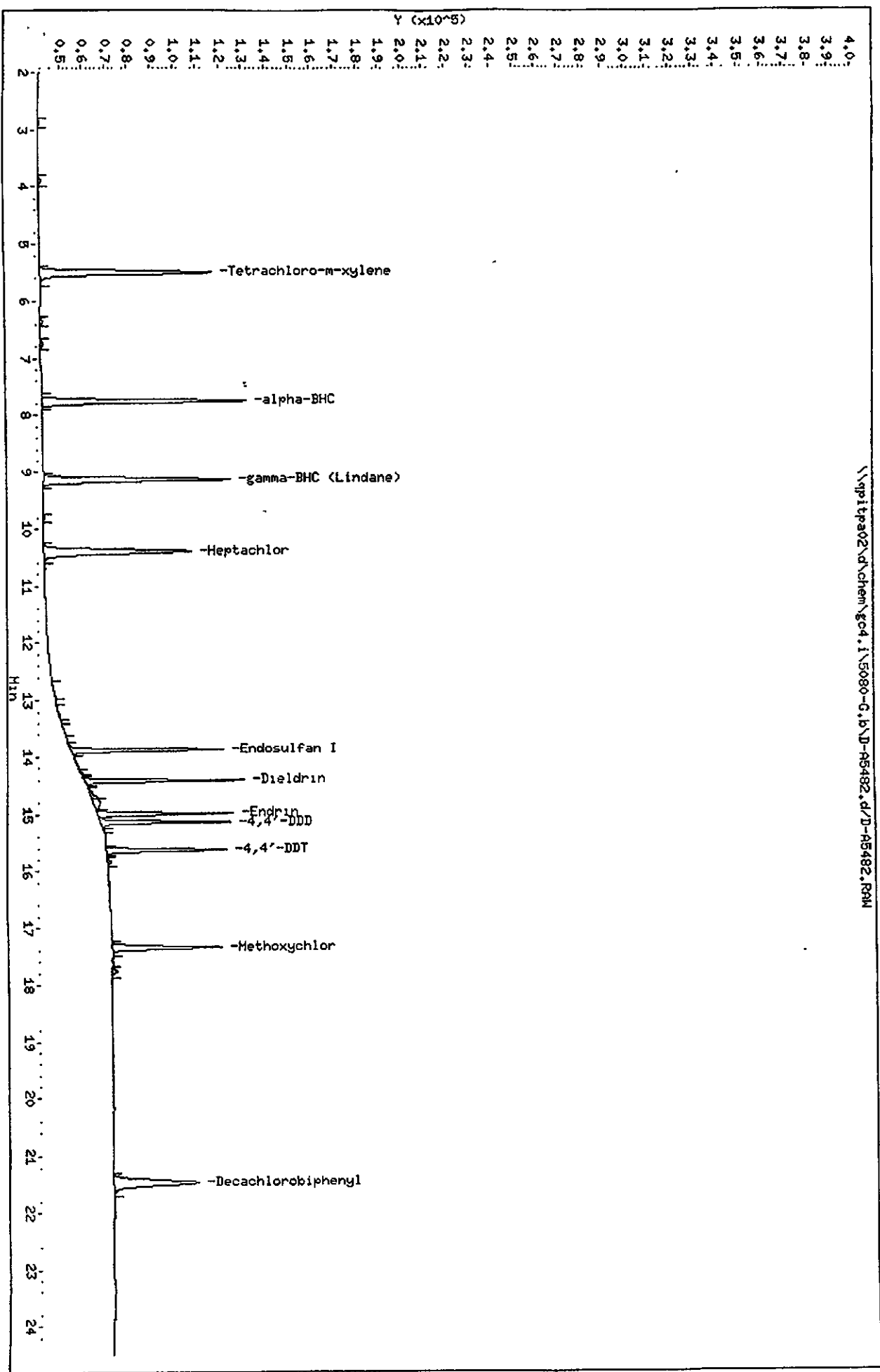
STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5482.d
 Lab Smp Id: MEDA
 Inj Date : 18-AUG-2000 18:42
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDA, 5080-G.b, , INDA.sub, , 2, 3
 Misc Info : 190-84-3
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: INDA.sub
 Target Version: 4.04
 Processing Host: PITPC043

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.500	5.520	-0.020	75425	0.02500	0.02590
5 alpha-BHC	7.760	7.780	-0.020	90670	0.02500	0.02626
6 gamma-BHC (Lindane)	9.140	9.166	-0.026	82883	0.02500	0.02647
10 Heptachlor	10.406	10.433	-0.027	64910	0.02500	0.02586
15 Endosulfan I	13.880	13.893	-0.013	67552	0.02500	0.02542
17 Dieldrin	14.413	14.426	-0.013	70361	0.02500	0.02471
20 Endrin	14.993	15.006	-0.013	60046	0.02500	0.02571
21 4,4'-DDD	15.140	15.146	-0.006	57387	0.02500	0.02606
23 4,4'-DDT	15.633	15.646	-0.013	52865	0.02500	0.02563
25 Methoxychlor	17.346	17.366	-0.020	48693	0.05000	0.05355
\$ 30 Decachlorobiphenyl	21.473	21.460	0.013	37799	0.02500	0.02670

Data File: \\pittpa02\chem\gc04.1\5080-G.b.D-85482.d
 Date: 18-AUG-2000 18:42
 Client ID:
 Sample Info: HEDA,5080-G.b.,INDA,sub,,2,3
 Column phase: DB608

Instrument: gc04.1
 Operator: 1891
 Column diameter: 0.53



STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5483.d
Lab Smp Id: MEDB
Inj Date : 18-AUG-2000 19:10
Operator : 1891
Smp Info : MEDB, 5080-G.b, , INDB.sub, , 2, 3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 21-Aug-2000 13:47 gc
Cal Date : 08-AUG-2000 01:35
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC043

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-A5173.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
11 Aldrin	11.580	11.606	-0.026	60805	0.02500	0.02531
7 beta-BHC	9.420	9.440	-0.020	45308	0.02500	0.02593
8 delta-BHC	10.846	10.873	-0.027	72629	0.02500	0.02399
12 Heptachlor epoxide	13.166	13.180	-0.014	69637	0.02500	0.02557
13 gamma-Chlordane	13.513	13.533	-0.020	72282	0.02500	0.02526
14 alpha-Chlordane	13.833	13.846	-0.013	72467	0.02500	0.02527
16 4,4'-DDE	14.280	14.293	-0.013	74442	0.02500	0.02602
22 Endosulfan II	15.280	15.293	-0.013	62720	0.02500	0.02604
24 Endrin aldehyde	15.833	15.846	-0.013	48084	0.02500	0.02556
26 Endosulfan sulfate	16.060	16.073	-0.013	44503	0.02500	0.02475
27 Endrin ketone	17.773	17.793	-0.020	49665	0.02500	0.02630

Data File: \\q1tpa02\chem\gc4.1\5080-G.b\D-A5483.d

Date: 18-AUG-2000 19:10

Client ID:

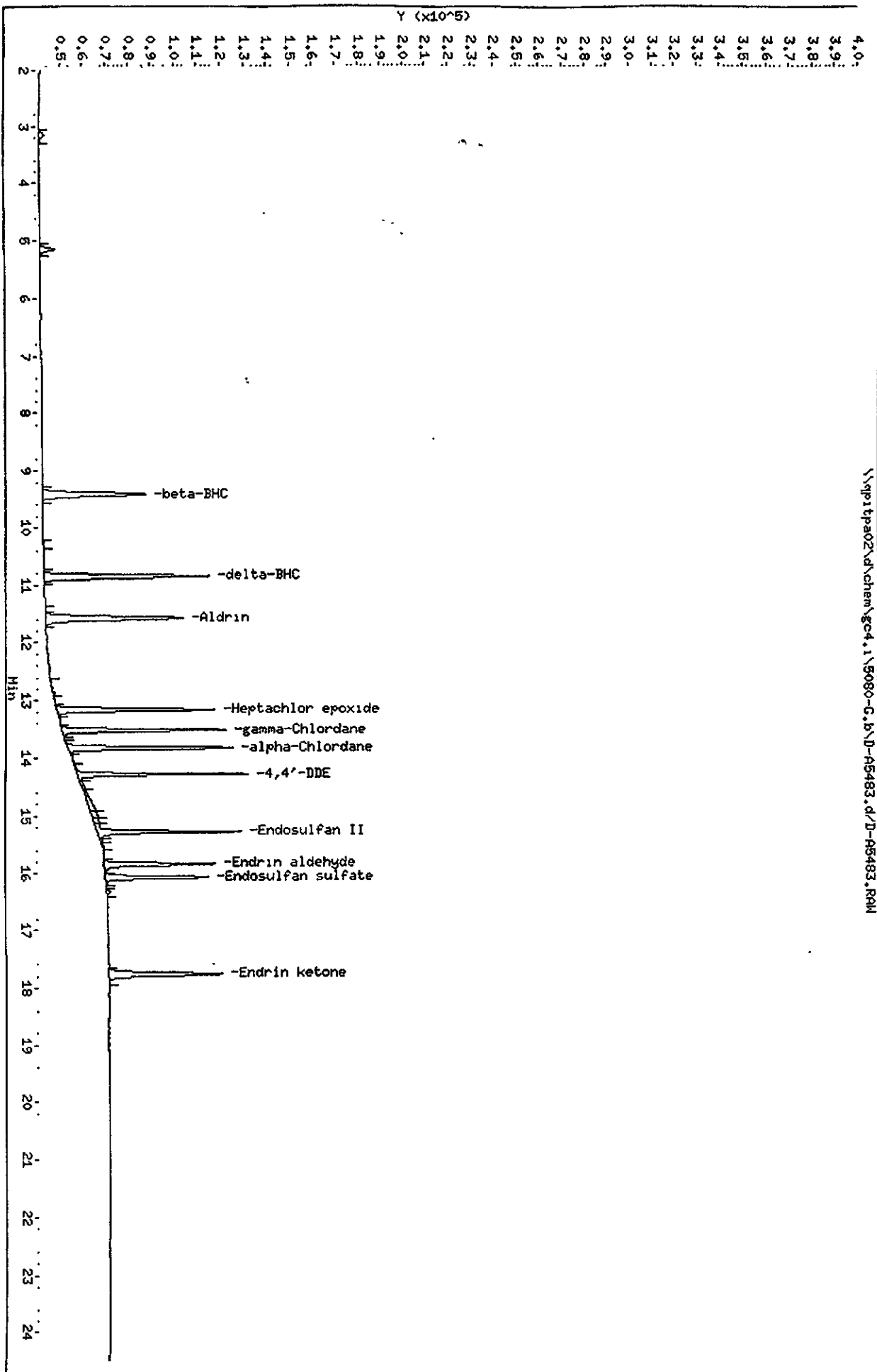
Sample Info: HEDB,5080-G.b,,INDB.sub,,2,3

Column phase: DB608

Instrument: gc4.i

Operator: 1891

Column diameter: 0.53



668 462

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5484.d
Report Date: 21-Aug-2000 13:52

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5484.d
Lab Smp Id: EVALB
Inj Date : 18-AUG-2000 19:38
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.04
Processing Host: PITPC043

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.500	5.520	-0.020	61221	0.02103	0.02103(R)
16 4,4'-DDE	14.286	14.293	-0.007	951	<0.0	0.0003325
20 Endrin	14.993	15.006	-0.013	58421	0.02502	0.02502
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.633	15.646	-0.013	52568	0.02549	0.02549
24 Endrin aldehyde	15.840	15.846	-0.006	1567	<0.0	0.0008328
27 Endrin ketone	17.773	17.793	-0.020	2382	0.00126	0.001261
\$ 30 Decachlorobiphenyl	21.473	21.460	0.013	30294	0.02140	0.02140(R)

QC Flag Legend

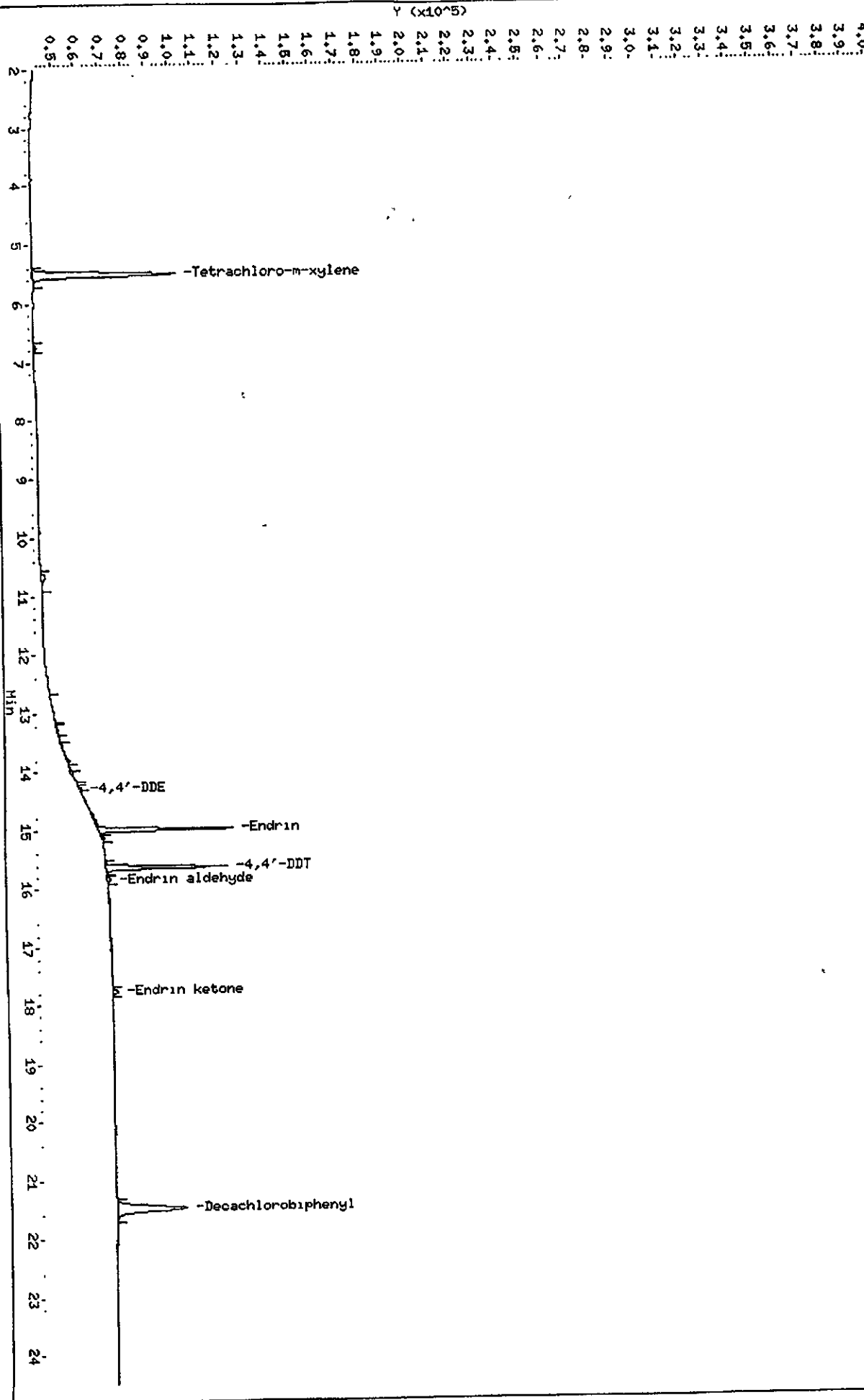
R - Spike/Surrogate failed recovery limits.

Endrin = 4.3
DDT = 1.8

Date File: \\npitpa02\chem\gc4.1\5080-G.b\D-A5484.d
 Date: 18-AUG-2000 19:38
 Client ID:
 Sample Info: EVAL.B,5080-G.b,EVAL.BR,sub,3,1
 Column phase: DB608

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

\\npitpa02\chem\gc4.1\5080-G.b\D-A5484.d\D-A5484.RAW



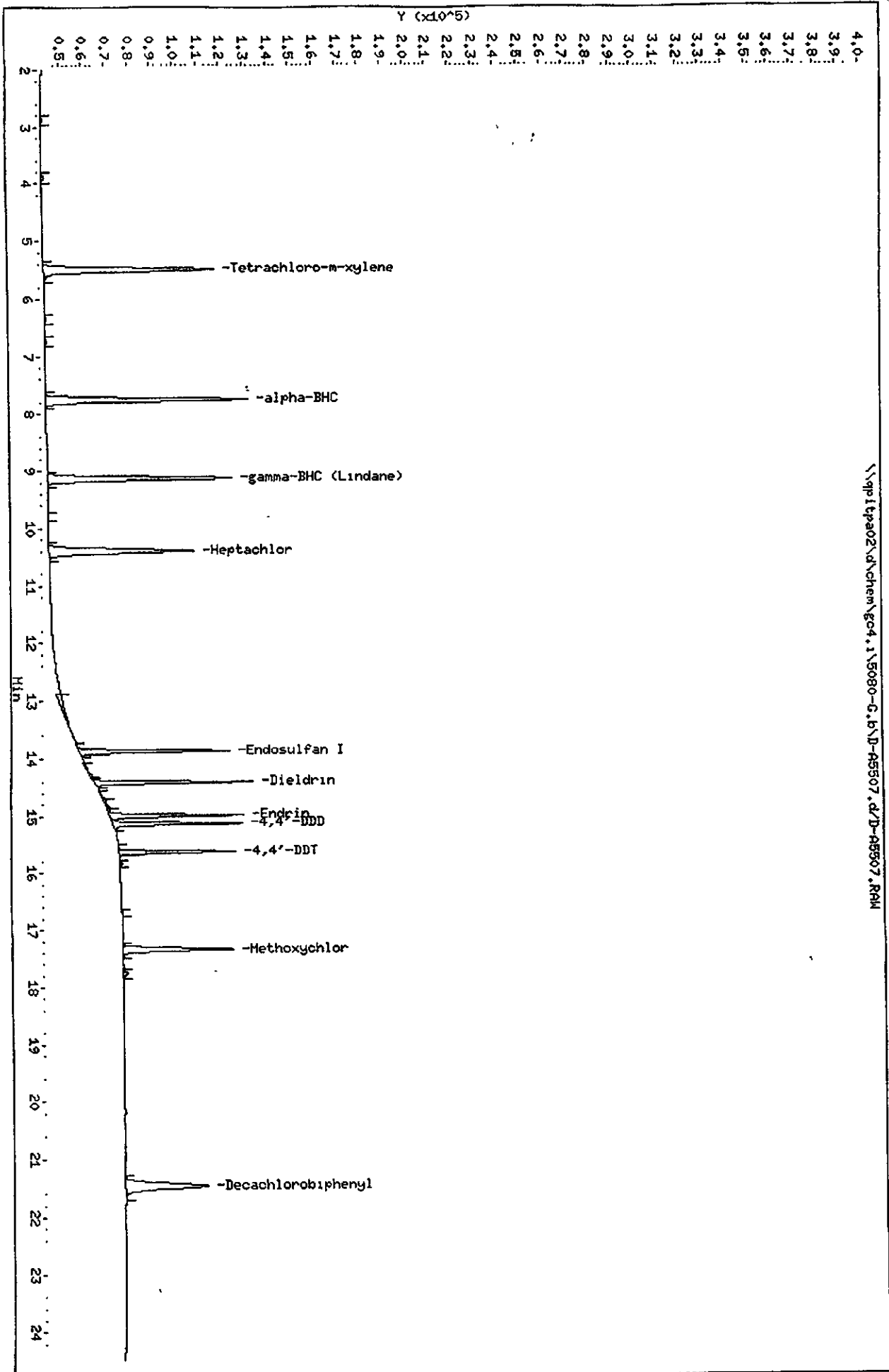
STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5507.d
Lab Smp Id: MEDA
Inj Date : 19-AUG-2000 06:15
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDA,5080-G.b,,INDA.sub,,2,3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04
Processing Host: PITPC043

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.500	5.520	-0.020	74445	0.02500	0.02557
5 alpha-BHC	7.753	7.780	-0.027	88536	0.02500	0.02564
6 gamma-BHC (Lindane)	9.133	9.166	-0.033	80955	0.02500	0.02586
10 Heptachlor	10.400	10.433	-0.033	63781	0.02500	0.02541
15 Endosulfan I	13.880	13.893	-0.013	66025	0.02500	0.02484
17 Dieldrin	14.413	14.426	-0.013	69571	0.02500	0.02443
20 Endrin	14.986	15.006	-0.020	58920	0.02500	0.02523
21 4,4'-DDD	15.133	15.146	-0.013	57038	0.02500	0.02590
23 4,4'-DDT	15.626	15.646	-0.020	51330	0.02500	0.02489
25 Methoxychlor	17.346	17.366	-0.020	48264	0.05000	0.05308
\$ 30 Decachlorobiphenyl	21.466	21.460	0.006	36296	0.02500	0.02564

Date File: \\pp1tpa02\d\chem\gc4.i\5080-G.b\D-A5507.d
Date: 19-AUG-2000 06:15
Client ID:
Sample Info: HEDA,5080-G.b.,INBA,sub,,2,3
Column phase: DB608

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



STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5508.d
Lab Smp Id: MEDB
Inj Date : 19-AUG-2000 06:43
Operator : 1891
Smp Info : MEDB,5080-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 21-Aug-2000 13:47 gc
Cal Date : 08-AUG-2000 01:35
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC043

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-A5173.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.580	11.606	-0.026	59360	0.02500	0.02471
7 beta-BHC	9.413	9.440	-0.027	44247	0.02500	0.02532
8 delta-BHC	10.846	10.873	-0.027	69952	0.02500	0.02310
12 Heptachlor epoxide	13.160	13.180	-0.020	67896	0.02500	0.02493
13 gamma-Chlordane	13.513	13.533	-0.020	71162	0.02500	0.02487
14 alpha-Chlordane	13.826	13.846	-0.020	71266	0.02500	0.02485
16 4,4'-DDE	14.280	14.293	-0.013	71788	0.02500	0.02510
22 Endosulfan II	15.273	15.293	-0.020	61194	0.02500	0.02540
24 Endrin aldehyde	15.833	15.846	-0.013	46818	0.02500	0.02488
26 Endosulfan sulfate	16.060	16.073	-0.013	42246	0.02500	0.02349
27 Endrin ketone	17.766	17.793	-0.027	48686	0.02500	0.02578

Data File: \\ppitpa02\chem\gc4.1\5080-G.b\D-A5508.d

Date: 19-AUG-2000 06:43

Client ID:

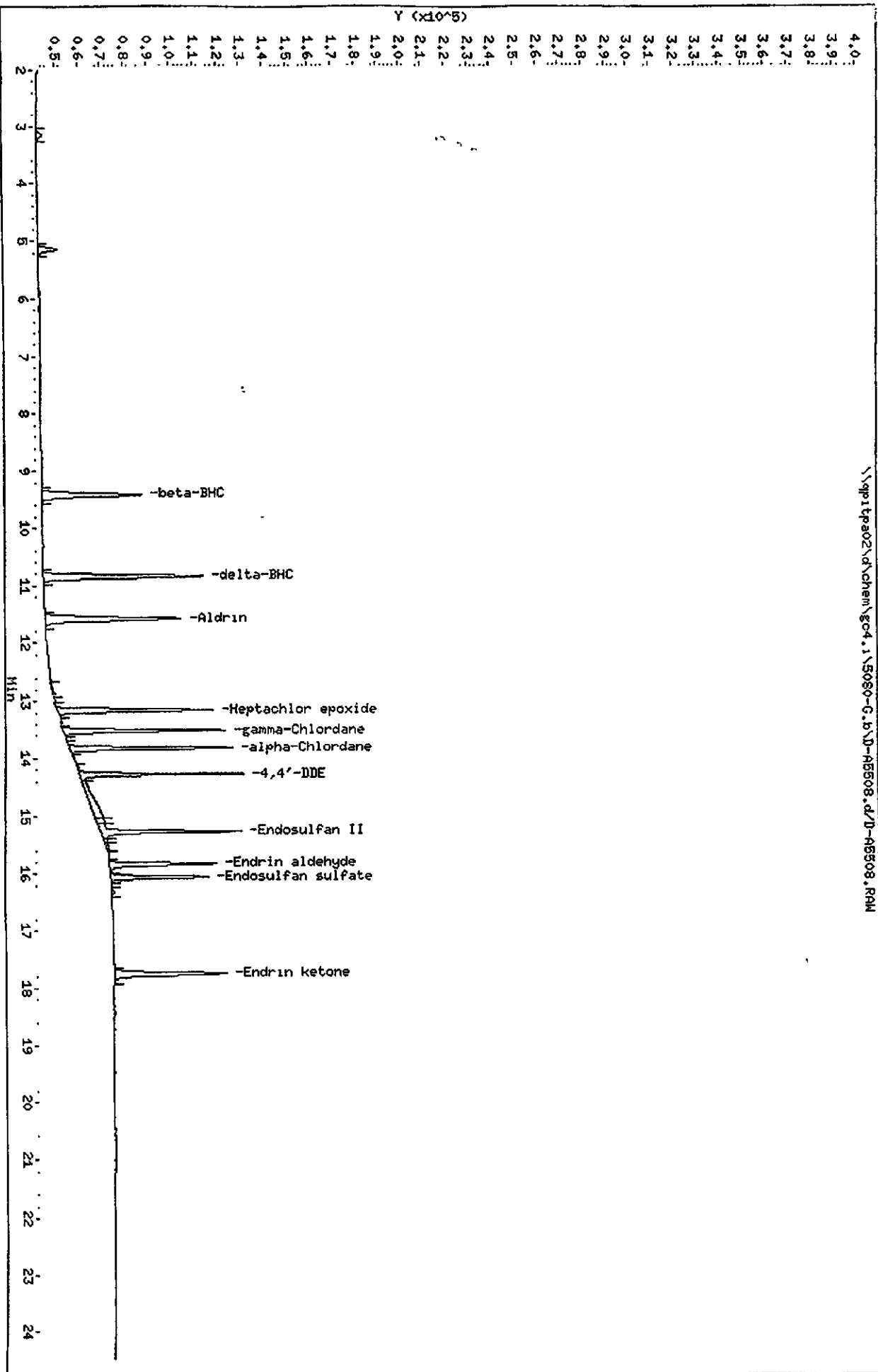
Sample Info: MEDB,5080-G.b,,INDB.sub,2,3

Column phase: DB608

Instrument: gc4.i

Operator: 1891

Column diameter: 0.53



668 468

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5545.d
Report Date: 28-Aug-2000 10:39

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5545.d
Lab Smp Id: EVALB
Inj Date : 23-AUG-2000 09:30
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB, 5280-G.b, , EVALBR.sub, , 3, 1
Misc Info : 190-88-8
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.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	FINAL
					(ng)	(ng)
\$ 1 Tetrachloro-m-xylene	5.493	5.493	0.000	63927	0.02196	0.02196 (R)
16 4,4'-DDE	14.273	14.273	0.000	1678	<0.0	0.0005866
20 Endrin	14.986	14.980	0.006	54626	0.02339	0.02339
21 4,4'-DDD	15.133	15.126	0.007	1899	<0.0	0.0008624
23 4,4'-DDT	15.620	15.620	0.000	48232	0.02338	0.02338
24 Endrin aldehyde	15.826	15.820	0.006	2295	0.00122	0.001220
27 Endrin ketone	17.760	17.753	0.007	3072	0.00163	0.001627
\$ 30 Decachlorobiphenyl	21.453	21.453	0.000	29207	0.02063	0.02063 (R)

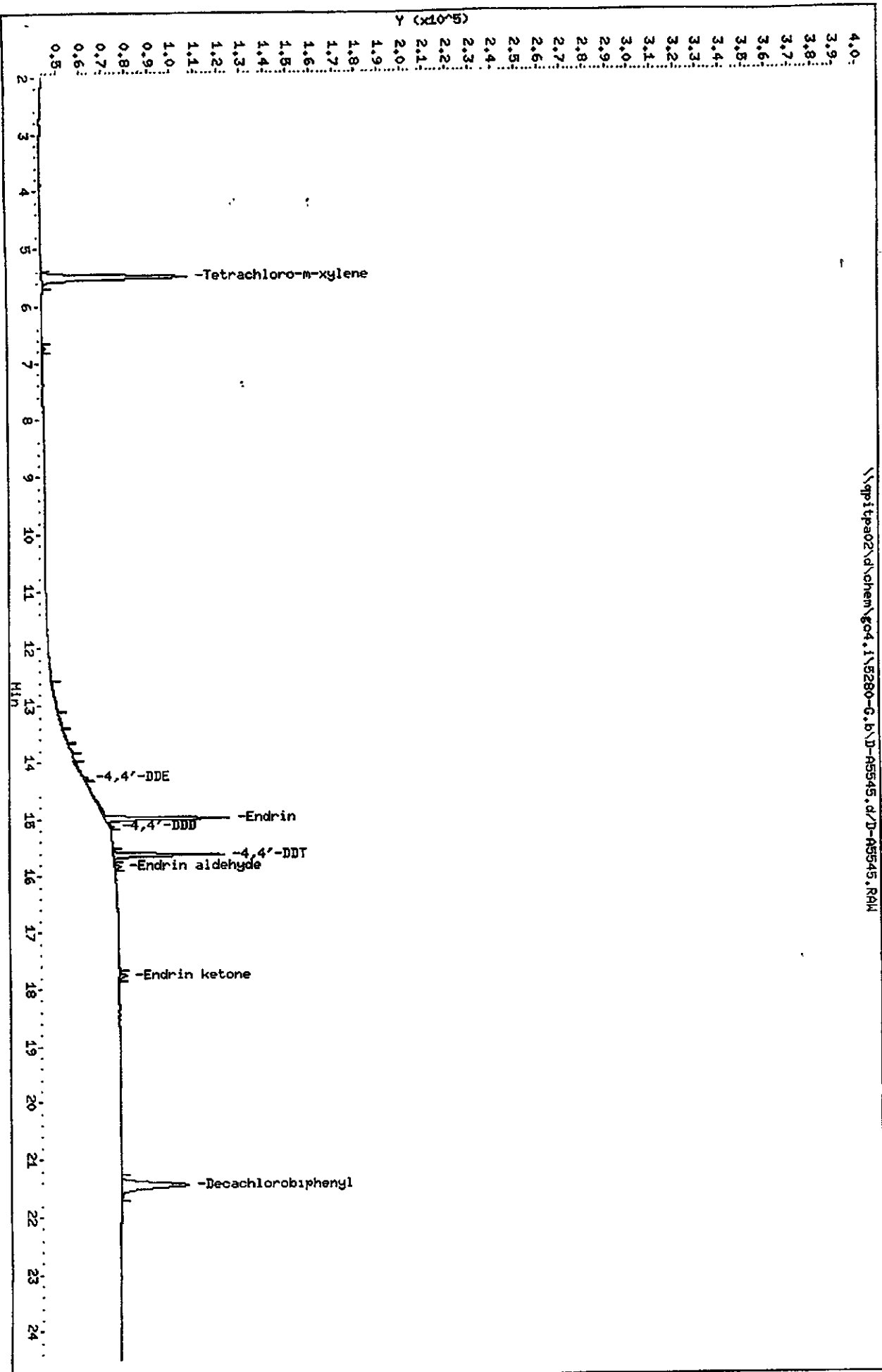
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

DDT = 6.9
Endrin = 8.9

Data File: \\ppitpa02\chem\gc4.1\5280-G.b\D-A5545.d
Date: 23-AUG-2000 09:30
Client ID:
Sample Info: EVALB,5280-G.b,EVALBR,sub,,3,1
Column phase: JIB608

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



668,470

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5546.d
Report Date: 28-Aug-2000 10:39

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5546.d
Lab Smp Id: MEDTOX
Inj Date : 23-AUG-2000 09:58
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDTOX,5280-G.b,,1-TOX.sub,,2,3
Misc Info : 190-98-12
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 Continuing Calibration Sample
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	15.153	15.153	0.000	35366	1.00000	1.156(M)
\$ 1 Tetrachloro-m-xylene	5.493	5.493	0.000	76806	0.02500	0.02638
\$ 30 Decachlorobiphenyl	21.453	21.453	0.000	35618	0.02500	0.02516

QC Flag Legend

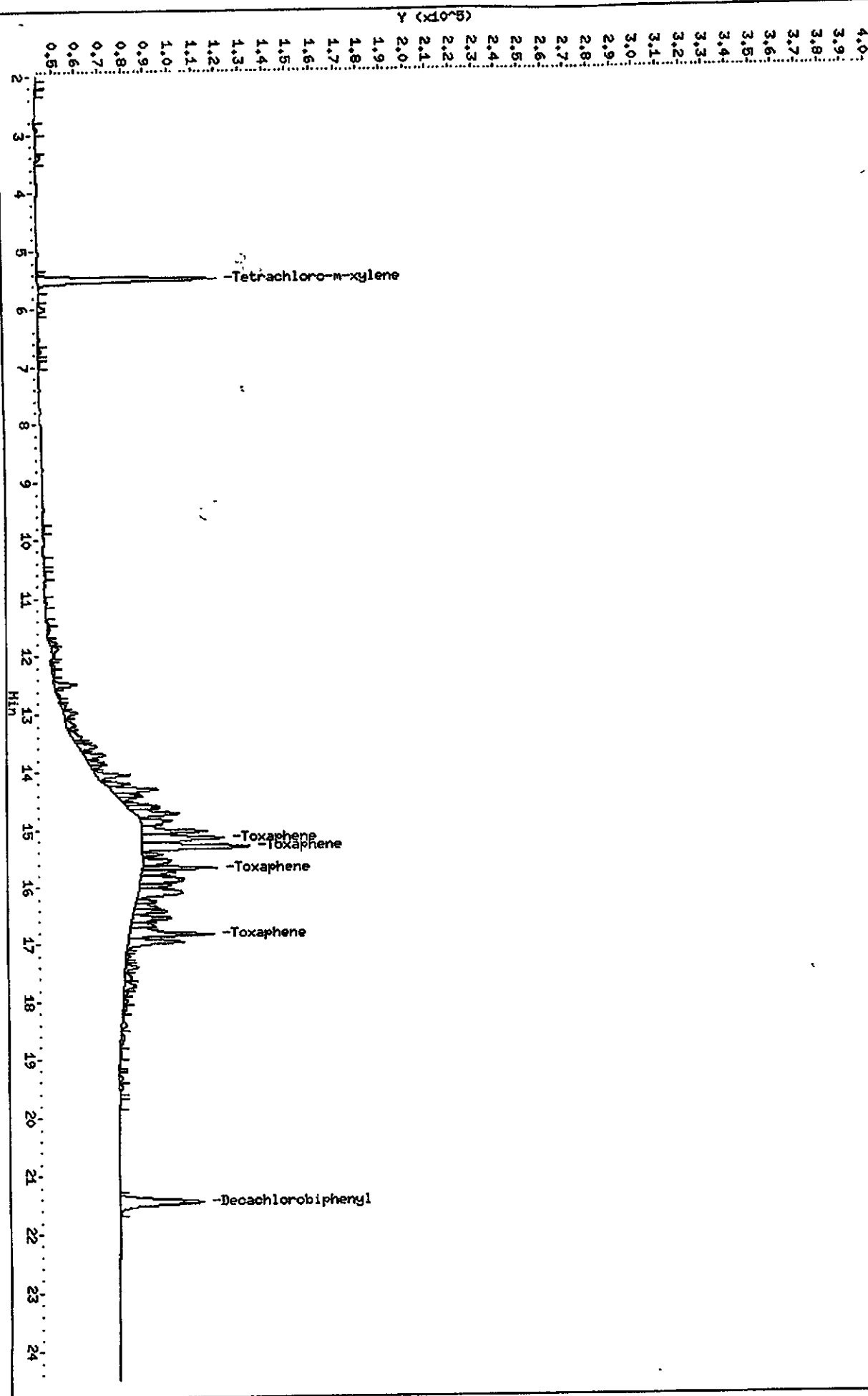
M - Compound response manually integrated.

668 471

Data File: \\pp1tpa02\chem\gc04.1\5280-G.b.D-45546.d
 Date: 23-AUG-2000 09:58
 Client ID:
 Sample Info: HEDTOX, 5280-G.b., 1-TOX, sub, 2,3
 Column Phase: DB608

Instrument: gc04.1
 Operator: 1891
 Column diameter: 0.53

\\pp1tpa02\chem\gc04.1\5280-G.b.D-45546.d\7D-45546.RAW



668 472

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5547.d
Report Date: 28-Aug-2000 10:39

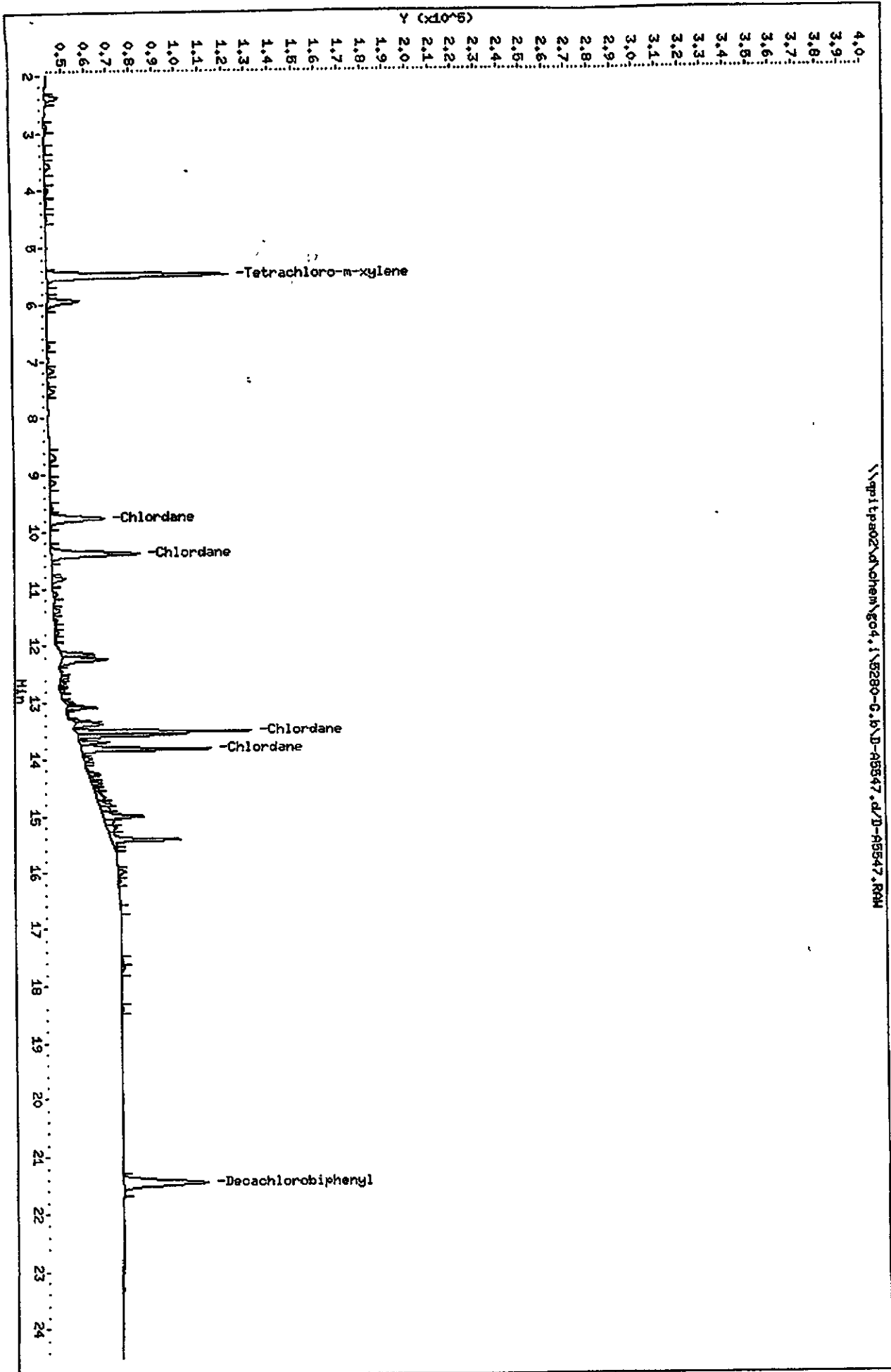
STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5547.d
Lab Smp Id: MEDCHLOR
Inj Date : 23-AUG-2000 10:26
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDCHLOR,5280-G.b,,2-CHLO.sub,,2,3
Misc Info : 190-85-10
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 Continuing Calibration Sample
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)
9 Chlordane	9.760	9.760	0.000	23743	0.25000	0.2814
\$ 1 Tetrachloro-m-xylene	5.493	5.493	0.000	79582	0.02500	0.02733
\$ 30 Decachlorobiphenyl	21.453	21.453	0.000	36975	0.02500	0.02612

Data File: \\pittpa02\chem\g04.1\5280-G.b\B-A5547.d
Date: 23-AUG-2000 10:26
Client ID:
Sample Info: HEDCHLOR, 5280-G.b, 2-CHL0.sub, 2,3
Column phase: DB608

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



668 474

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5548.d
Report Date: 28-Aug-2000 10:39

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5548.d
Lab Smp Id: MEDA
Inj Date : 23-AUG-2000 10:54
Operator : 1891
Smp Info : MEDA,5280-G.b,,3-INDA.sub,,2,3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol
Cal Date : 08-AUG-2000 01:35
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-A5173.d
Continuing Calibration Sample
Compound Sublist: 3-INDA.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
\$ 1 Tetrachloro-m-xylene	5.493	5.493	0.000	77909	0.02500	0.02676
5 alpha-BHC	7.740	7.740	0.000	92658	0.02500	0.02683
6 gamma-BHC (Lindane)	9.126	9.126	0.000	85564	0.02500	0.02733
10 Heptachlor	10.386	10.386	0.000	65802	0.02500	0.02622
15 Endosulfan I	13.873	13.873	0.000	67856	0.02500	0.02553
17 Dieldrin	14.406	14.406	0.000	72239	0.02500	0.02537
20 Endrin	14.980	14.980	0.000	60097	0.02500	0.02573
21 4,4'-DDD	15.126	15.126	0.000	57470	0.02500	0.02610
23 4,4'-DDT	15.620	15.620	0.000	50005	0.02500	0.02424
25 Methoxychlor	17.333	17.333	0.000	42724	0.05000	0.04699
\$ 30 Decachlorobiphenyl	21.453	21.453	0.000	36379	0.02500	0.02569

Data File: \\pp1p302\chem\g04.1\5280-G.b\D-A5548.d

Date: 23-AUG-2000 10:54

Client ID:

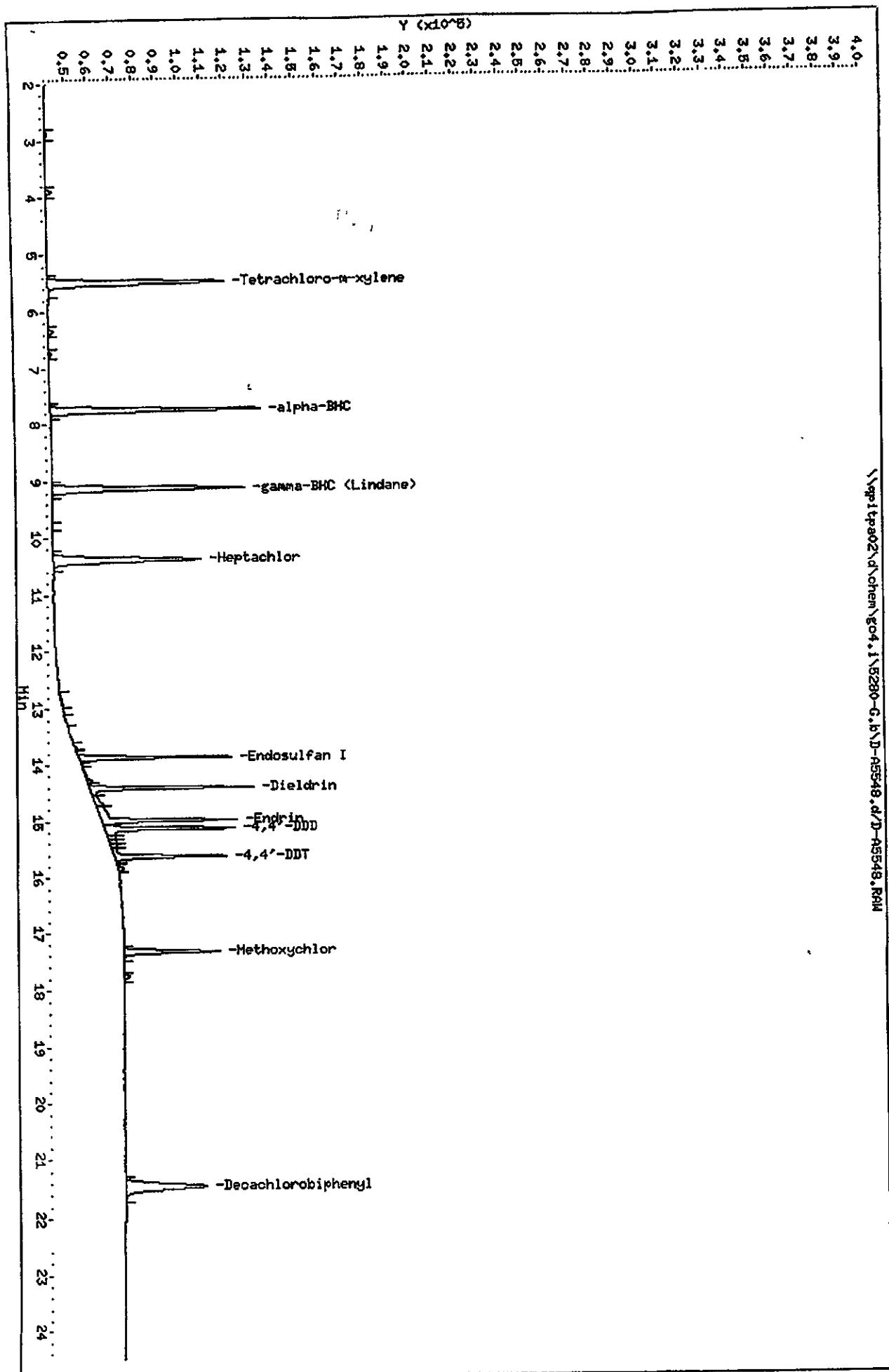
Sample Info: MEDA, 5280-G.b, 3-INDA.sub, 2,3

Column phase: DB608

Instrument: g04.1

Operator: 1891

Column diameter: 0.53



668.476

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5549.d
Report Date: 28-Aug-2000 10:39

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5549.d
Lab Smp Id: MEDB
Inj Date : 23-AUG-2000 11:21
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB,5280-G.b,,4-INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 Continuing Calibration Sample
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	11.566	11.566	0.000	63023	0.02500	0.02623
7 beta-BHC	9.406	9.400	0.006	47590	0.02500	0.02724
8 delta-BHC	10.840	10.833	0.007	71115	0.02500	0.02349
12 Heptachlor epoxide	13.153	13.153	0.000	70257	0.02500	0.02580
13 gamma-Chlordane	13.506	13.506	0.000	73063	0.02500	0.02553
14 alpha-Chlordane	13.820	13.820	0.000	73445	0.02500	0.02561
16 4,4'-DDE	14.273	14.273	0.000	73455	0.02500	0.02568
22 Endosulfan II	15.273	15.266	0.007	60715	0.02500	0.02520
24 Endrin aldehyde	15.826	15.820	0.006	47389	0.02500	0.02518
26 Endosulfan sulfate	16.053	16.046	0.007	39344	0.02500	0.02188
27 Endrin ketone	17.753	17.753	0.000	47242	0.02500	0.02502

668 478

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5570.d
Report Date: 28-Aug-2000 10:43

STL - Pittsburgh

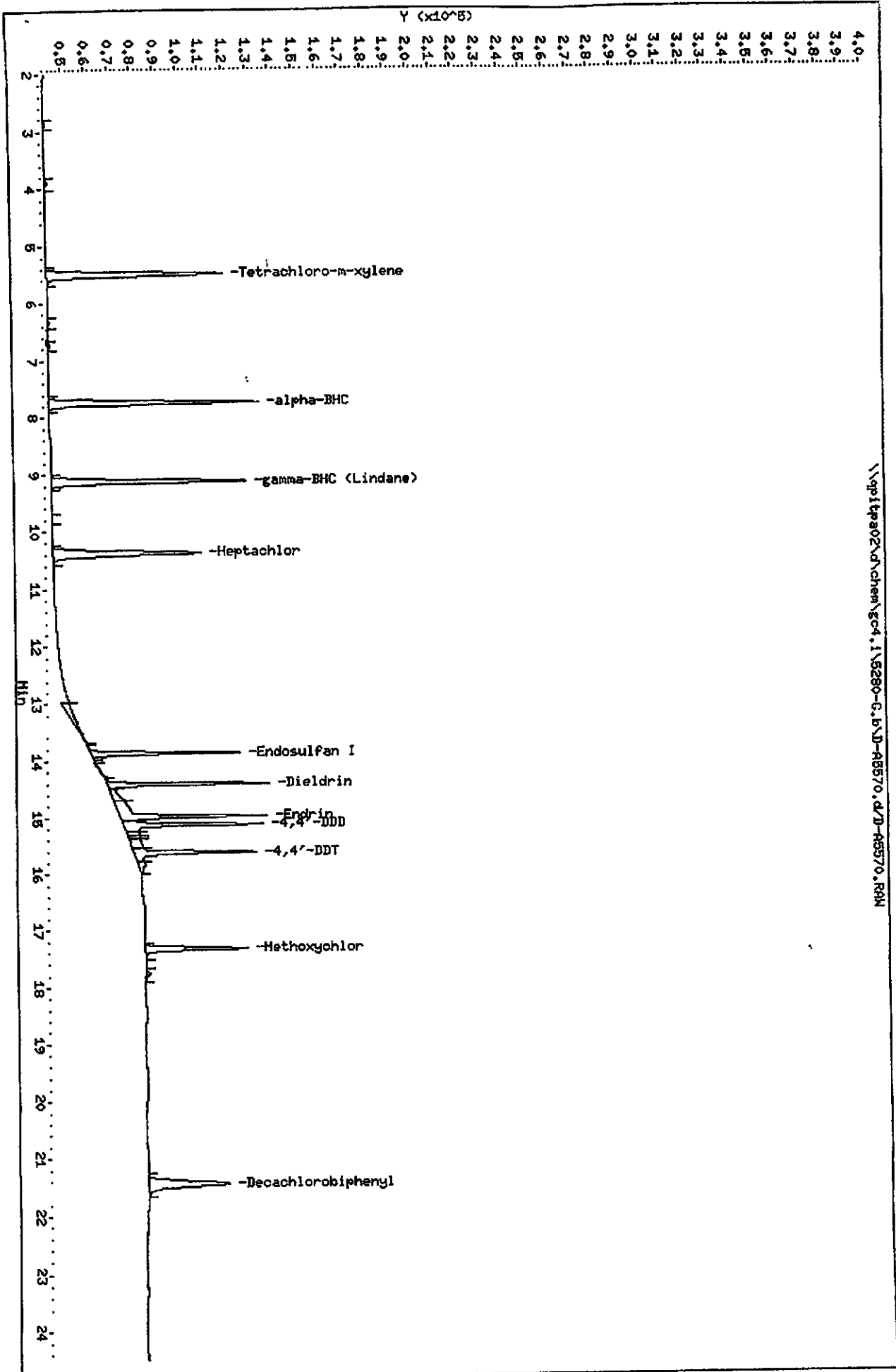
Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-A5570.d
Lab Smp Id: MEDA
Inj Date : 23-AUG-2000 21:04
Operator : 1891
Smp Info : MEDA,5280-G.b,,INDA.sub,,2,3
Misc Info : 190-84-3
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
Meth Date : 28-Aug-2000 10:38 matkol
Cal Date : 08-AUG-2000 01:35
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-A5173.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	5.493	5.493	0.000	77474	0.02500	0.02661
5 alpha-BHC	7.740	7.740	0.000	92059	0.02500	0.02666
6 gamma-BHC (Lindane)	9.126	9.126	0.000	85593	0.02500	0.02734
10 Heptachlor	10.386	10.386	0.000	65242	0.02500	0.02600
15 Endosulfan I	13.873	13.873	0.000	65464	0.02500	0.02463
17 Dieldrin	14.406	14.406	0.000	71333	0.02500	0.02505
20 Endrin	14.980	14.980	0.000	64534	0.02500	0.02763
21 4,4'-DDD	15.126	15.126	0.000	61255	0.02500	0.02782
23 4,4'-DDT	15.620	15.620	0.000	53617	0.02500	0.02600
25 Methoxychlor	17.333	17.333	0.000	45207	0.05000	0.04972
\$ 30 Decachlorobiphenyl	21.446	21.453	-0.007	35623	0.02500	0.02516

Data File: \\pp1tpa02\chem\gc4.1\5280-G.b\D-A5570.d
Date: 23-AUG-2000 21:04
Client ID:
Sample Info: HEDN, B280-G.b, INDR.sub, 2,3
Column phase: DB608

Instrument: GC4.1
Operator: 1891
Column diameter: 0.53



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Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-A5571.d
 Report Date: 28-Aug-2000 10:43

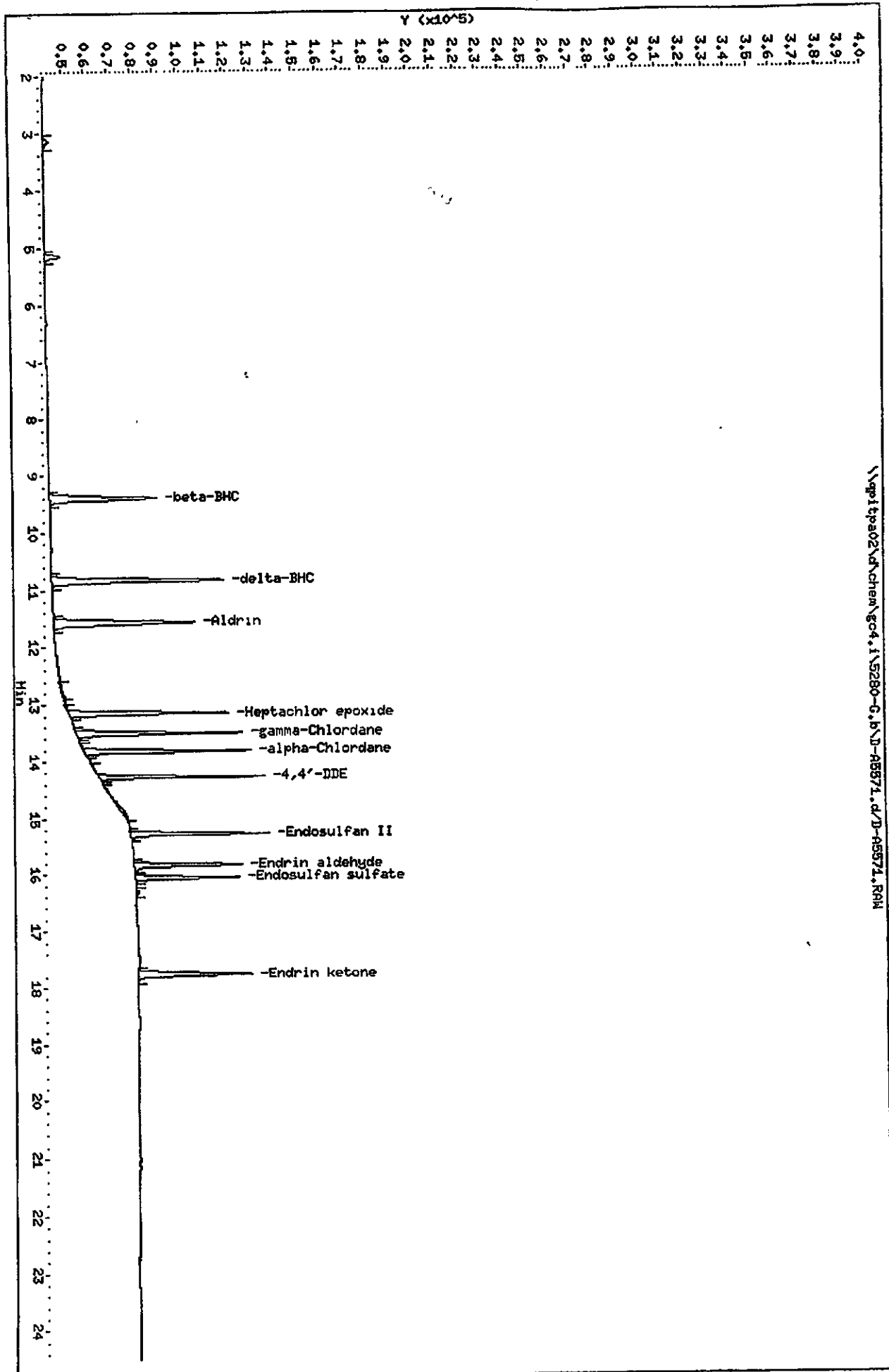
STL - Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\5280-G.b\D-A5571.d
 Lab Smp Id: MEDEB
 Inj Date : 23-AUG-2000 21:32
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDEB,5280-G.b,,INDB.sub,,2,3
 Misc Info : 190-84-9
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTA.m
 Meth Date : 28-Aug-2000 10:38 matkol Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.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	11.566	11.566	0.000	62154	0.02500	0.02587
7 beta-BHC	9.400	9.400	0.000	47006	0.02500	0.02690
8 delta-BHC	10.833	10.833	0.000	75247	0.02500	0.02485
12 Heptachlor epoxide	13.153	13.153	0.000	69875	0.02500	0.02566
13 gamma-Chlordane	13.506	13.506	0.000	72786	0.02500	0.02543
14 alpha-Chlordane	13.820	13.820	0.000	72984	0.02500	0.02545
16 4,4'-DDE	14.273	14.273	0.000	72412	0.02500	0.02532
22 Endosulfan II	15.266	15.266	0.000	60423	0.02500	0.02508
24 Endrin aldehyde	15.820	15.820	0.000	47066	0.02500	0.02501
26 Endosulfan sulfate	16.046	16.046	0.000	45263	0.02500	0.02517
27 Endrin ketone	17.753	17.753	0.000	49884	0.02500	0.02642

Data File: \\pitts02\chem\gc4.1\5280-G.b\D-A5571.d
Date: 23-AUG-2000 21:32
Client ID:
Sample Info: HEDB, 5280-G.b., INDB.sub., 2,3
Column phase: DB608

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



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Report Date : 17-Aug-2000 13:31

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STL Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 17-Aug-2000 13:27 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	5.640	5.590-5.690	2.29e+006
58 MIREX	16.827	16.777-16.877	1.78e+006
2 Diallate A	7.113	7.063-7.163	9.30e+004
3 Diallate B	7.667	7.617-7.717	2.03e+004
4 HEXACHLOROBENZENE	6.987	6.937-7.037	4.59e+006
5 alpha-BHC	8.407	8.357-8.457	3.06e+006
6 gamma-BHC (Lindane)	9.793	9.743-9.843	2.65e+006
7 beta-BHC	12.220	12.170-12.270	1.66e+006
8 delta-BHC	12.887	12.837-12.937	3.44e+006
9 Chlordane	10.260	10.210-10.310	8.23e+004
	10.840	10.790-10.890	1.74e+005
	14.053	14.003-14.103	3.26e+005
	14.153	14.103-14.203	4.55e+005
10 Heptachlor	10.713	10.663-10.763	2.94e+006
11 Aldrin	11.680	11.630-11.730	2.85e+006
12 Heptachlor epoxide	13.373	13.323-13.423	3.31e+006
13 gamma-Chlordane	13.980	13.930-14.030	3.39e+006
14 alpha-Chlordane	14.080	14.030-14.130	3.31e+006
15 Endosulfan I	13.920	13.870-13.970	3.20e+006
16 4,4'-DDE	14.233	14.183-14.283	3.37e+006
17 Dieldrin	14.520	14.470-14.570	3.40e+006

Report Date : 17-Aug-2000 13:31

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STL Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m

Compound	RT	RT Window	RF
18 Toxaphene	15.333	15.283-15.383	3.96e+004
	15.653	15.603-15.703	4.93e+004
	16.113	16.063-16.163	5.17e+004
	16.867	16.817-16.917	4.68e+004
19 Isodrin	12.807	12.757-12.857	3.02e+006
20 Endrin	14.833	14.783-14.883	3.16e+006
21 4,4'-DDD	15.387	15.337-15.437	2.46e+006
22 Endosulfan II	15.540	15.490-15.590	2.86e+006
23 4,4'-DDT	15.680	15.630-15.730	2.48e+006
24 Endrin aldehyde	16.213	16.163-16.263	1.34e+006
25 Methoxychlor	16.727	16.677-16.777	1.17e+006
26 Endosulfan sulfate	16.800	16.750-16.850	1.75e+006
27 Endrin ketone	17.773	17.723-17.823	2.06e+006
28 Chlorobenzilate	15.133	15.083-15.183	1.73e+005
29 Kepone	17.780	17.730-17.830	3.85e+003
\$ 30 Decachlorobiphenyl	20.093	20.043-20.143	1.69e+006

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Report Date : 28-Aug-2000 11:49

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STL - Pittsburgh

COMPOUND LISTING

Method file : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Quant Method : ESTD Target Version : 4.04
 Last Update : 28-Aug-2000 11:31 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	5.633	5.583-5.683	2.29e+006
58 MIREX	16.827	16.777-16.877	1.78e+006
2 Diallate A	7.087	7.037-7.137	9.30e+004
3 Diallate B	7.667	7.617-7.717	2.03e+004
4 HEXACHLOROBENZENE	6.987	6.937-7.037	4.59e+006
5 alpha-BHC	8.380	8.330-8.430	3.06e+006
6 gamma-BHC (Lindane)	9.760	9.710-9.810	2.65e+006
7 beta-BHC	12.187	12.137-12.237	1.66e+006
8 delta-BHC	12.860	12.810-12.910	3.44e+006
9 Chlordane	10.093	10.043-10.143	8.23e+004
	10.687	10.637-10.737	1.74e+005
	13.967	13.917-14.017	3.26e+005
	14.073	14.023-14.123	4.55e+005
10 Heptachlor	10.687	10.637-10.737	2.94e+006
11 Aldrin	11.660	11.610-11.710	2.85e+006
12 Heptachlor epoxide	13.360	13.310-13.410	3.31e+006
13 gamma-Chlordane	13.967	13.917-14.017	3.39e+006
14 alpha-Chlordane	14.067	14.017-14.117	3.31e+006
15 Endosulfan I	13.907	13.857-13.957	3.20e+006
16 4,4'-DDE	14.220	14.170-14.270	3.37e+006
17 Dieldrin	14.507	14.457-14.557	3.40e+006

Report Date : 28-Aug-2000 11:49

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STL - Pittsburgh

COMPOUND LISTING

Method file : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

Compound	RT	RT Window	RF
18 Toxaphene	15.253	15.203-15.303	3.96e+004
	15.560	15.510-15.610	4.93e+004
	16.020	15.970-16.070	5.17e+004
	16.753	16.703-16.803	4.68e+004
19 Isodrin	12.807	12.757-12.857	3.02e+006
20 Endrin	14.820	14.770-14.870	3.16e+006
21 4,4'-DDD	15.367	15.317-15.417	2.46e+006
22 Endosulfan II	15.520	15.470-15.570	2.86e+006
23 4,4'-DDT	15.660	15.610-15.710	2.48e+006
24 Endrin aldehyde	16.187	16.137-16.237	1.34e+006
25 Methoxychlor	16.700	16.650-16.750	1.17e+006
26 Endosulfan sulfate	16.773	16.723-16.823	1.75e+006
27 Endrin ketone	17.740	17.690-17.790	2.06e+006
28 Chlorobenzilate	15.133	15.083-15.183	1.73e+005
29 Kepone	17.753	17.703-17.803	3.85e+003
\$ 30 Decachlorobiphenyl	20.060	20.010-20.110	1.69e+006

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Report Date : 10-Aug-2000 10:15

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STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2000 15:52
 End Cal Date : 08-AUG-2000 01:35
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
 Cal Date : 10-Aug-2000 10:13 colussyj
 Curve Type : Average

Calibration File Names:

Level 1: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5169.d
 Level 2: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5170.d
 Level 3: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5171.d
 Level 4: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5172.d
 Level 5: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5173.d

	0.00500	0.01000	0.02500	0.05000	0.10000		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	RRF	% RSD
58 MIREX	1717200	1905900	1858960	1704380	1699680	1777224	5.496
2 Diallylate A	103950	93024	99998	82384	85644	93000	9.850
3 Diallylate B	20490	19356	22592	18885	20126	20290	7.062
4 HEXACHLOROBENZENE	4802600	5203200	4812200	4191820	3941180	4590200	11.162
5 alpha-BHC	2667000	2830800	3055520	3330260	3438180	3064352	10.612
6 gamma-BHC (Lindane)	2382000	2511200	2643320	2831260	2893030	2652162	8.065
7 beta-BHC	1626400	1702800	1618720	1725080	1640460	1662692	2.892
8 delta-BHC	2971800	3297300	3341200	3772520	3793980	3435360	10.137
9 Chlordane(1)	+++++	+++++	82268	+++++	+++++	82268	0.000
(2)	+++++	+++++	173988	+++++	+++++	173988	0.000
(3)	+++++	+++++	326140	+++++	+++++	326140	0.000
(4)	+++++	+++++	455048	+++++	+++++	455048	0.000
10 Heptachlor	2845000	2881500	2932480	3021840	3018560	2939876	2.709
11 Aldrin	2564400	2788000	2758080	3062260	3068470	2848242	7.584
12 Heptachlor epoxide	3088200	3294800	3215840	3521580	3447520	3313588	5.268
13 gamma-Chlordane	3213400	3424900	3273400	3491400	3557250	3392070	4.278
14 alpha-Chlordane	3213400	3331200	3185280	3357060	3451710	3307730	3.298
15 Endosulfan I	3116400	3197300	3153200	3268060	3244960	3195984	1.964
16 4,4'-DDE	3204200	3353600	3274240	3502640	3506290	3368194	4.013
17 Dieldrin	3261600	3314800	3365760	3501500	3534780	3395688	3.483
18 Toxaphene(1)	+++++	+++++	39627	+++++	+++++	39627	0.000
(2)	+++++	+++++	49318	+++++	+++++	49318	0.000
(3)	+++++	+++++	51662	+++++	+++++	51662	0.000
(4)	+++++	+++++	46756	+++++	+++++	46756	0.000
19 Isodrin	2860600	2804280	3396740	2897987	3140960	3020113	8.168
20 Endrin	3703000	3244100	2903400	2961360	2997380	3161848	10.414

Report Date : 10-Aug-2000 10:15

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STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2000 15:52
End Cal Date : 08-AUG-2000 01:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Cal Date : 10-Aug-2000 10:13 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	2577600	2487900	2352760	2418220	2456840	2458664	3.394
22 Endosulfan II	2994400	2894500	2709280	2852400	2862900	2862696	3.579
23 4,4'-DDT	2456000	2464900	2422640	2537100	2542800	2484688	2.129
24 Endrin aldehyde	1240600	1334300	1306320	1402820	1418550	1340518	5.426
25 Methoxychlor	1159000	1166100	1155580	1186610	1171330	1167724	1.045
26 Endosulfan sulfate	1617000	1735800	1695280	1847580	1862520	1751636	5.923
27 Endrin ketone	1945000	2106500	2014480	2148860	2106920	2064352	4.014
28 Chlorobenzilate	*****	151000	196460	161240	182290	172748	11.057
29 Kepone	4100	4240	3904	3315	3673	3846	9.511
\$ 1 Tetrachloro-m-xylene	2408400	2410900	2242520	2218520	2151030	2286274	5.140
\$ 30 Decachlorobiphenyl	1669400	1747300	1676520	1702600	1659770	1691118	2.081

LM 8/10/00

668 488

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STLPIT

Case No.:

SAS No.: 40325

SDG No.: 4140-G

GC Column: DB1701

ID: 0.53

(mm)

Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____

Date Analyzed : _____

Lab Sample ID (PIBLK): _____

Time Analyzed : _____

EPA Sample No. (PEM):

Date Analyzed : 08/07/00

Lab Sample ID (PEM): EVALB

Time Analyzed : 1525

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
=====	=====	=====	=====	=====	=====	=====
Endrin	14.91	14.86	14.96	0.02243	0.02500	-10.3
4,4'-DDT	15.77	15.72	15.82	0.02457	0.02500	-1.7

4,4'-DDT % breakdown (1): 0.00

Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

668 489

Lab Name: STL-PITTSBURGH

Contract:

Lab Code: STL PIT

Case No.:

SAS No.: 40325

SDG No.: 4140-G

GC Column: DB1701

ID: 0.53

(mm)

Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____

Date Analyzed : _____

Lab Sample ID (PIBLK): _____

Time Analyzed : _____

EPA Sample No. (PEM):

Date Analyzed : 08/08/00

Lab Sample ID (PEM): EVALB

Time Analyzed : 0258

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
		FROM	TO			
=====	=====	=====	=====	=====	=====	=====
Endrin	14.91	14.86	14.96	0.02216	0.02500	-11.4
4,4'-DDT	15.77	15.72	15.82	0.02475	0.02500	-1.0

4,4'-DDT % breakdown (1): 0.00

Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

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7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 4140-G

GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00

EPA Sample No. (PIBLK): _____

Date Analyzed : _____

Lab Sample ID (PIBLK): _____

Time Analyzed : _____

EPA Sample No. (PEM):

Date Analyzed : 08/18/00

Lab Sample ID (PEM): EVALB

Time Analyzed : 1938

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.83	14.78	14.88	0.02315	0.02500	-7.4
4,4'-DDT	15.67	15.63	15.73	0.02458	0.02500	-1.7

4,4'-DDT % breakdown (1): 0.00

Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4140-G

GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00

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

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

EPA Sample No. (PEM): _____ Date Analyzed : 08/23/00

Lab Sample ID (PEM): EVALB Time Analyzed : 0930

PEM COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
=====	=====	=====	=====	=====	=====	=====
Endrin	14.82	14.77	14.87	0.02254	0.02500	-9.8
4,4'-DDT	15.66	15.61	15.71	0.02395	0.02500	-4.2

4,4'-DDT % breakdown (1): ~~2.07~~ 2.8 Endrin % breakdown (1): 0.00

Combined % breakdown (1): ~~2.07~~ 2.8

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668 492

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5482.d
 Report Date: 20-Aug-2000 13:25

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 18-AUG-2000 18:42
 Lab File ID: D-B5482.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN RRF	MD	MAX MD
\$ 1 Tetrachloro-m-xylene	2286274	2401800	0.000	5.1	15.0
5 alpha-BHC	3064352	3230720	0.010	5.4	15.0
6 gamma-BHC (Lindane)	2652162	2845120	0.010	7.3	15.0
10 Heptachlor	2939876	3044840	0.010	3.6	15.0
15 Endosulfan I	3195984	3312400	0.010	3.6	15.0
17 Dieldrin	3395688	3584080	0.010	5.5	15.0
20 Endrin	3161848	3046880	0.010	-3.6	15.0
21 4,4'-DDD	2458664	2513360	0.010	2.2	15.0
23 4,4'-DDT	2484688	2462040	0.010	-0.9	15.0
25 Methoxychlor	1167724	1214500	0.010	4.0	15.0
\$ 30 Decachlorobiphenyl	1691118	1810480	0.010	7.1	15.0

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5483.d
Report Date: 20-Aug-2000 13:25

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 18-AUG-2000 19:10
Lab File ID: D-B5483.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN RRF	MAX %D	MAX %D
11 Aldrin	2848242	2910480	0.010	2.2	15.0
7 beta-BHC	1662692	1688640	0.010	1.6	15.0
8 delta-BHC	3435360	3317040	0.010	-3.4	15.0
12 Heptachlor epoxide	3313588	3469120	0.010	4.7	15.0
13 gamma-Chlordane	3392070	3463320	0.010	2.1	15.0
14 alpha-Chlordane	3307730	3442440	0.010	4.1	15.0
16 4,4'-DDE	3368194	3515160	0.010	4.4	15.0
22 Endosulfan II	2862696	2839800	0.010	-0.8	15.0
24 Endrin aldehyde	1340518	1364480	0.010	1.8	15.0
26 Endosulfan sulfate	1751636	1740960	0.010	-0.6	15.0
27 Endrin ketone	2064352	2162040	0.010	4.7	15.0

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Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5507.d
 Report Date: 20-Aug-2000 13:30

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 19-AUG-2000 06:15
 Lab File ID: D-B5507.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	%D	MAX
-----	-----	-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene	2286274	2382000	0.000	4.2	15.0
5 alpha-BHC	3064352	3204960	0.010	4.6	15.0
6 gamma-BHC (Lindane)	2652162	2787640	0.010	5.1	15.0
10 Heptachlor	2939876	3002480	0.010	2.1	15.0
15 Endosulfan I	3195984	3301000	0.010	3.3	15.0
17 Dieldrin	3395688	3522760	0.010	3.7	15.0
20 Endrin	3161848	3152360	0.010	-0.3	15.0
21 4,4'-DDD	2458664	2581800	0.010	5.0	15.0
23 4,4'-DDT	2484688	2471720	0.010	-0.5	15.0
25 Methoxychlor	1167724	1198840	0.010	2.7	15.0
\$ 30 Decachlorobiphenyl	1691118	1818640	0.010	7.5	15.0

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5508.d
Report Date: 20-Aug-2000 13:30

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587048 668 495
DB1701

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 19-AUG-2000 06:43
Lab File ID: D-B5508.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
			RRF	%D
11 Aldrin	2848242	2873600	0.010	0.9
7 beta-BHC	1662692	1652320	0.010	-0.6
8 delta-BHC	3435360	3210760	0.010	-6.5
12 Heptachlor epoxide	3313588	3354280	0.010	1.2
13 gamma-Chlordane	3392070	3369640	0.010	-0.7
14 alpha-Chlordane	3307730	3327520	0.010	0.6
16 4,4'-BDE	3368194	3490000	0.010	3.6
22 Endosulfan II	2862696	2827600	0.010	-1.2
24 Endrin aldehyde	1340518	1368640	0.010	2.1
26 Endosulfan sulfate	1751636	1691640	0.010	-3.4
27 Endrin ketone	2064352	2148520	0.010	4.1

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Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5546.d
Report Date: 28-Aug-2000 10:427E
587046
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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 09:58
Lab File ID: D-B5546.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDTOX Quant Type: ESTD
Method: \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN RRF	MAX RD	MAX RD
18 Toxaphene(1)	39627	41452	0.010	4.6	15.0
(2)	49318	51889	0.010	5.2	15.0
(3)	51662	51653	0.010	-0.0	15.0
(4)	46756	45873	0.010	-1.9	15.0
\$ 1 Tetrachloro-m-xylene	2286274	2432280	0.000	6.4	15.0
\$ 30 Decachlorobiphenyl	1691118	1767680	0.010	4.5	15.0

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5547.d
Report Date: 28-Aug-2000 10:33

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58046
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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 10:26
Lab File ID: D-B5547.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDCHLOR Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
			RRF	%D
9 Chlordane(1)	82268	90056	0.010	9.5
(2)	173988	185328	0.010	6.5
(3)	326140	335012	0.010	2.7
(4)	455048	454768	0.010	-0.1
\$ 1 Tetrachloro-m-xylene	2286274	2506400	0.000	9.6
\$ 30 Decachlorobiphenyl	1691118	1804360	0.010	6.7

668 498

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5548.d
Report Date: 28-Aug-2000 10:33

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DB/201

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 10:54
 Lab File ID: D-B5548.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
 Analysis Type: Init. Cal. Times: 15:52 01:35
 Lab Sample ID: MEDA Quant Type: ESTD
 Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
-----	-----	-----	-----	-----
\$ 1 Tetrachloro-m-xylene	2286274	2457880	0.000	7.5 15.0
5 alpha-BHC	3064352	3275640	0.010	6.9 15.0
6 gamma-BHC (Lindane)	2652162	2893720	0.010	9.1 15.0
10 Heptachlor	2939876	3144200	0.010	7.0 15.0
15 Endosulfan I	3195984	3393120	0.010	6.2 15.0
17 Dieldrin	3395688	3568680	0.010	5.1 15.0
20 Endrin	3161848	2983760	0.010	-5.6 15.0
21 4,4'-DDD	2458664	2523760	0.010	2.6 15.0
23 4,4'-DDT	2484688	2414760	0.010	-2.8 15.0
25 Methoxychlor	1167724	1157240	0.010	-0.9 15.0
\$ 30 Decachlorobiphenyl	1691118	1822160	0.010	7.7 15.0

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5549.d
Report Date: 28-Aug-2000 10:33

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58904B
DB1701

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STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 11:21
Lab File ID: D-B5549.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RF0	MIN	MAX
11 Aldrin	2848242	3039800	0.010	6.7
7 beta-BHC	1662692	1705040	0.010	2.5
8 delta-BHC	3435360	3235560	0.010	-5.8
12 Heptachlor epoxide	3313588	3540520	0.010	6.8
13 gamma-Chlordane	3392070	3545160	0.010	4.5
14 alpha-Chlordane	3307730	3486280	0.010	5.4
16 4,4'-DDE	3368194	3558040	0.010	5.6
22 Endosulfan II	2862696	2822720	0.010	-1.4
24 Endrin aldehyde	1340518	1378280	0.010	2.8
26 Endosulfan sulfate	1751636	1597600	0.010	-8.8
27 Endrin ketone	2064352	2139560	0.010	3.6

668 500

Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5570.d

Report Date: 28-Aug-2000 10:38

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DB1701

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i

Injection Date: 23-AUG-2000 21:04

Lab File ID: D-B5570.d

Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000

Analysis Type:

Init. Cal. Times: 15:52 01:35

Lab Sample ID: MEDA

Quant Type: ESTD

Method: \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RPO	MIN	MAX
RRF	RPO	RRF	%D	%D
\$ 1 Tetrachloro-m-xylene	2286274	2414920	0.000	5.6
5 alpha-BHC	3064352	3206080	0.010	4.6
6 gamma-BHC (Lindane)	2652162	2776320	0.010	4.7
10 Heptachlor	2939876	2965040	0.010	0.9
15 Endosulfan I	3195984	3208680	0.010	0.4
17 Dieldrin	3395688	3430960	0.010	1.0
20 Endrin	3161848	2991040	0.010	-5.4
21 4,4'-DDD	2458664	2466640	0.010	0.3
23 4,4'-DDT	2484688	2403200	0.010	-3.3
25 Methoxychlor	1167724	1168980	0.010	0.1
\$ 30 Decachlorobiphenyl	1691118	1784200	0.010	5.5

Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5571.d
Report Date: 28-Aug-2000 10:38

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589046
DB1701

STL - Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i Injection Date: 23-AUG-2000 21:32
Lab File ID: D-B5571.d Init. Cal. Date(s): 07-AUG-2000 08-AUG-2000
Analysis Type: Init. Cal. Times: 15:52 01:35
Lab Sample ID: MEDB Quant Type: ESTD
Method: \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m

COMPOUND	RRF	RFO	MIN	MAX
			RRF	%D
11 Aldrin	2848242	2968560	0.010	4.2
7 beta-BHC	1662692	1640360	0.010	-1.3
8 delta-BHC	3435360	3299720	0.010	-3.9
12 Heptachlor epoxide	3313588	3358440	0.010	1.4
13 gamma-Chlordane	3392070	3389840	0.010	-0.1
14 alpha-Chlordane	3307730	3339520	0.010	1.0
16 4,4'-DDE	3368194	3419760	0.010	1.5
22 Endosulfan II	2862696	2768840	0.010	-3.3
24 Endrin aldehyde	1340518	1332280	0.010	-0.6
26 Endosulfan sulfate	1751636	1721160	0.010	-1.7
27 Endrin ketone	2064352	2158640	0.010	4.6

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: COH150146

GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/00 08/08/00

Instrument ID: GC4

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 5.63		DCB: 20.06			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	EVALB	08/07/00	1525	5.73*	20.28*
02	MEDTOX	08/07/00	1552	5.72*	20.28*
03	MEDCHLOR	08/07/00	1620	5.73*	20.29*
04	LOWA	08/07/00	2125	5.73*	20.27*
05	MLOWA	08/07/00	2153	5.73*	20.27*
06	MEDA	08/07/00	2221	5.73*	20.27*
07	MHIGHA	08/07/00	2249	5.74*	20.27*
08	HIGHA	08/07/00	2316	5.73*	20.27*
09	LOWB	08/07/00	2344		
10	MLOWB	08/08/00	0012		
11	MEDEB	08/08/00	0039		
12	MHIGHB	08/08/00	0107		
13	HIGHB	08/08/00	0135		
14	2ND A	08/08/00	0203	5.73*	20.26*
15	2ND B	08/08/00	0230		
16	EVALB	08/08/00	0258	5.75*	20.27*
17	MEDA	08/18/00	1842	5.64	20.08
18	MEDEB	08/18/00	1910		
19	EVALB	08/18/00	1938	5.63	20.08
20	PBLK9480	DJ0KC101	08/19/00	5.63	20.07
21	LCS9480	DJ0KC102	08/19/00	5.64	20.07
22	LCD9480	DJ0KC103	08/19/00	5.63	20.07
23	MEDA	08/19/00	0615	5.63	20.07
24	MEDEB	08/19/00	0643		
25	EVALB	08/23/00	0930	5.63	20.06
26	MEDTOX	08/23/00	0958	5.63	20.06
27	MEDCHLOR	08/23/00	1026	5.63	20.06
28	MEDA	08/23/00	1054	5.63	20.06
29	MEDEB	08/23/00	1121		
30	DF/S1/0227/I	DHV7M103	08/23/00	5.67	
31	MEDA	08/23/00	2104	5.63	20.06
32	MEDEB	08/23/00	2132		

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.

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5080-G.SEQ
 Created by : DE11/02/98 on : 8/7/00 18:00
 Edited by : DE08/07/00 on : 8/7/00 18:19
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

668 503

H

Number of Times Edited : 1

✓ OK 8/12/00

Sequence File Header Information:

Number of Rows : 54
 Instrument Type : 760 / 900 Series Intelligent Interface
 Injection Type : SINGLE

Row	Type	Sample Name	Sample Number	Sequence Sample Descriptions - Channel B		Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
				Study Name									
1	Std Check	EVALB,5080-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,5080-G.b	190-98-12			1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
3	Cal:Replace	MEDCHLOR,5080-G	190-85-10			1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
4	Cal:Replace	LOWIX,5080-G.b,	190-80-6			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	MLOWIX,5080-G.b	190-80-7			1.000	1.000	1.000	1.000	1.000	1.300	0.000	100.000
6	Cal:Replace	MEDIX,5080-G.b,	190-80-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	MHIGHIX,5080-G	190-80-9			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	HIGHIX,5080-G.b	190-80-10			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	LOWF,5080-G.b,,	190-74-1			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	MLOWF,5080-G b,	190-74-2			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	MEDF,5080-G b,,	190-74-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	MHIGHF,5080-G.b	190-74-4			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	HIGHF,5080-G.b,	190-74-5			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	LOWA,5080-G b,,	190-84-1			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	MLOWA,5080-G b,	190-84-2			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal:Replace	MEDA,5080-G b,,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Cal:Replace	MHIGHA,5080-G b	190-84-4			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Cal:Replace	HIGHA,5080-G.b,	190-84-5			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	LOWB,5080-G.b,,	190-84-7			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	MLOWB,5080-G b,	190-84-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	MEDB,5080-G.b,,	190-84-9			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	MHIGHB,5080-G.b	190-84-10			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	HIGHB,5080-G.b,	190-84-11			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	2ND A,5080-G.b,	190-82-2			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	2ND B,5080-G.b,	190-82-5			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	EVALB,5080-G.b,	190-88-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DGRC1101,5080-G	140198BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DGRC1102,5080-G	140198LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DGRC1103,5080-G	140198LCD			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DG7T7101,5080-G	140198018			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DG7T7101,5080-G	140198018			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DG7T7101,5080-G	140198018			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DG7TA101,5080-G	140198019			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DG7TA101,5080-G	140198019			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DG7TA101,5080-G	140198019			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DG7TC101,5080-G	140198020			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DG7TC101,5080-G	140198020			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DG7TC101,5080-G	140198020			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DG07P101,5080-G	180137004			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DG07P101,5080-G	180137004S			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DG07P10M,5080-G	180137004D			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DGM9M101,5080-G	180137BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DGM9M102,5080-G	180137LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHEH6101,5080-G	030147BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DHEH6102,5080-G	030147LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	DHEH6103,5080-G	030147LCD			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	MEDA,5080-G.b,,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	MEDB,5080-G.b,,	190-84-9			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	EVALB,5080-G.b,	190-88-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DH991102,5080-G	030147019			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DHA8R102,5080-G	030241009			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DHA9A102,5080-G	030241012			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Std Check	MEDA,5080-G.b,,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Std Check	MEDB,5080-G.b,,	190-84-9			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

Raw S/S Back Vial Test Process Calib Report Raw Result Baseline Modified Cal Level Update 30117

StL Pittsburgh

	Method	Method	Method	Format	File	File	File	Raw File	Rpt	Name	RT	Dev
1	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5151	D-B5151	D-B5151	-	-
2	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5152	D-B5152	D-B5152	N	LPT1:
3	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5153	D-B5153	D-B5153	N	LPT1:,LP
4	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5154	D-B5154	D-B5154	N	LPT1:,LP
5	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5155	D-B5155	D-B5155	N	LPT1:
6	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5156	D-B5156	D-B5156	N	LPT1:
7	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5157	D-B5157	D-B5157	N	LPT1:
8	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5158	D-B5158	D-B5158	N	LPT1:
9	-	1	4	GEN4C	GEN4B	122190A	INDA	D-B5159	D-B5159	D-B5159	N	LPT1:
10	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5160	D-B5160	D-B5160	N	LPT1:
11	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5161	D-B5161	D-B5161	N	LPT1:
12	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5162	D-B5162	D-B5162	N	LPT1:
13	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5163	D-B5163	D-B5163	N	LPT1:
14	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5164	D-B5164	D-B5164	N	LPT1:
15	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5165	D-B5165	D-B5165	N	LPT1:
16	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5166	D-B5166	D-B5166	N	LPT1:
17	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5167	D-B5167	D-B5167	N	LPT1:
18	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5168	D-B5168	D-B5168	N	LPT1:
19	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5169	D-B5169	D-B5169	N	LPT1:
20	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5170	D-B5170	D-B5170	N	LPT1:
21	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5171	D-B5171	D-B5171	N	LPT1:
22	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5172	D-B5172	D-B5172	N	LPT1:
23	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5173	D-B5173	D-B5173	N	LPT1:
24	-	1	23	GEN4C	GEN4B	122190A	INDA	D-B5174	D-B5174	D-B5174	-	-
25	-	1	24	GEN4C	GEN4B	122190A	INDA	D-B5175	D-B5175	D-B5175	-	-
26	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5176	D-B5176	D-B5176	-	-
27	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5177	D-B5177	D-B5177	-	-
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5178	D-B5178	D-B5178	-	-
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5179	D-B5179	D-B5179	-	-
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5180	D-B5180	D-B5180	-	-
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5181	D-B5181	D-B5181	-	-
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5182	D-B5182	D-B5182	-	-
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5183	D-B5183	D-B5183	-	-
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5184	D-B5184	D-B5184	-	-
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5185	D-B5185	D-B5185	-	-
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5186	D-B5186	D-B5186	-	-
37	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5187	D-B5187	D-B5187	-	-
38	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5188	D-B5188	D-B5188	-	-
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5189	D-B5189	D-B5189	-	-
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5190	D-B5190	D-B5190	-	-
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5191	D-B5191	D-B5191	-	-
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5192	D-B5192	D-B5192	-	-
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5193	D-B5193	D-B5193	-	-
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5194	D-B5194	D-B5194	-	-
45	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5195	D-B5195	D-B5195	-	-
46	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5196	D-B5196	D-B5196	-	-
47	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5197	D-B5197	D-B5197	-	-
48	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5198	D-B5198	D-B5198	-	-
49	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5199	D-B5199	D-B5199	-	-
50	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5200	D-B5200	D-B5200	-	-
51	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5201	D-B5201	D-B5201	-	-
52	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5202	D-B5202	D-B5202	-	-
53	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5203	D-B5203	D-B5203	-	-
54	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5204	D-B5204	D-B5204	-	-

Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5151.d
 Report Date: 10-Aug-2000 10:41

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5151.d
 Lab Smp Id: EVALB
 Inj Date : 07-AUG-2000 15:25
 Operator : 1891 Inst ID: gc4.i
 Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
 Misc Info : 190-88-8
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.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	5.726	5.720	0.006	45388	0.01985	0.01985 (R)
16 4,4'-DDE				Compound Not Detected		
20 Endrin	14.913	14.913	0.000	70927	0.02243	0.02243
21 4,4'-DDD				Compound Not Detected.		
23 4,4'-DDT	15.766	15.766	0.000	61058	0.02457	0.02457
24 Endrin aldehyde				Compound Not Detected		
27 Endrin ketone				Compound Not Detected		
\$ 30 Decachlorobiphenyl	20.280	20.280	0.000	34261	0.02026	0.02026 (R)

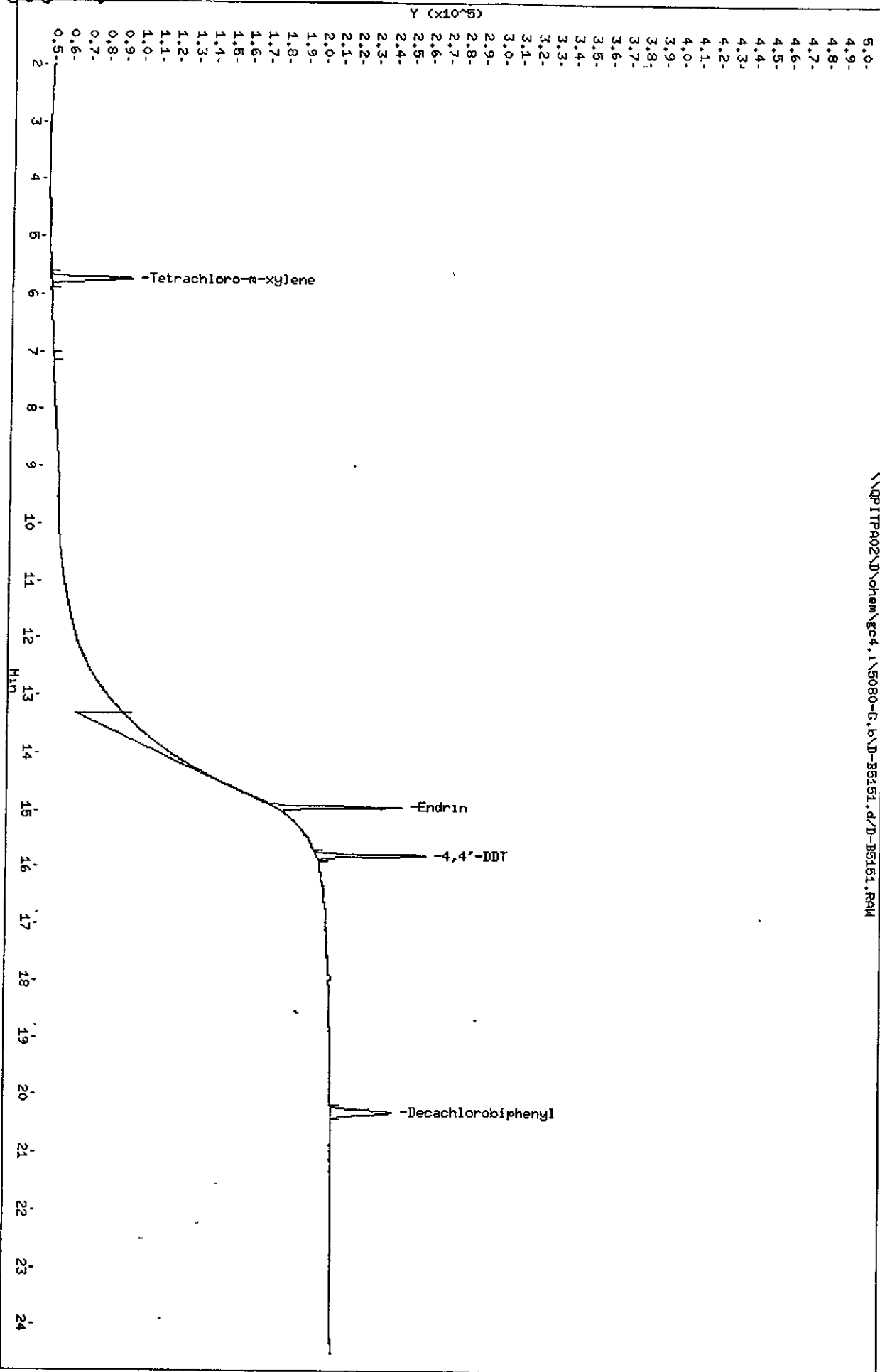
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

668 506

Data File: \\PITPA02\N\chem\gc4.1\5080-G.b\D-B5151.d
 Date : 07-AUG-2000 15:25
 Client ID:
 Sample Info: EVALB,5080-G.b,,EVAL.BR.sub,,3,1
 Column phase: DB1701

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



Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5152.d
Report Date: 10-Aug-2000 10:41

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5152.d
Lab Smp Id: MEDTOX
Inj Date : 07-AUG-2000 15:52
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDTOX,5080-G.b,,1-TOX.sub;,1,3
Misc Info : 190-98-12
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 07-AUG-2000 15:52 Cal File: D-B5152.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

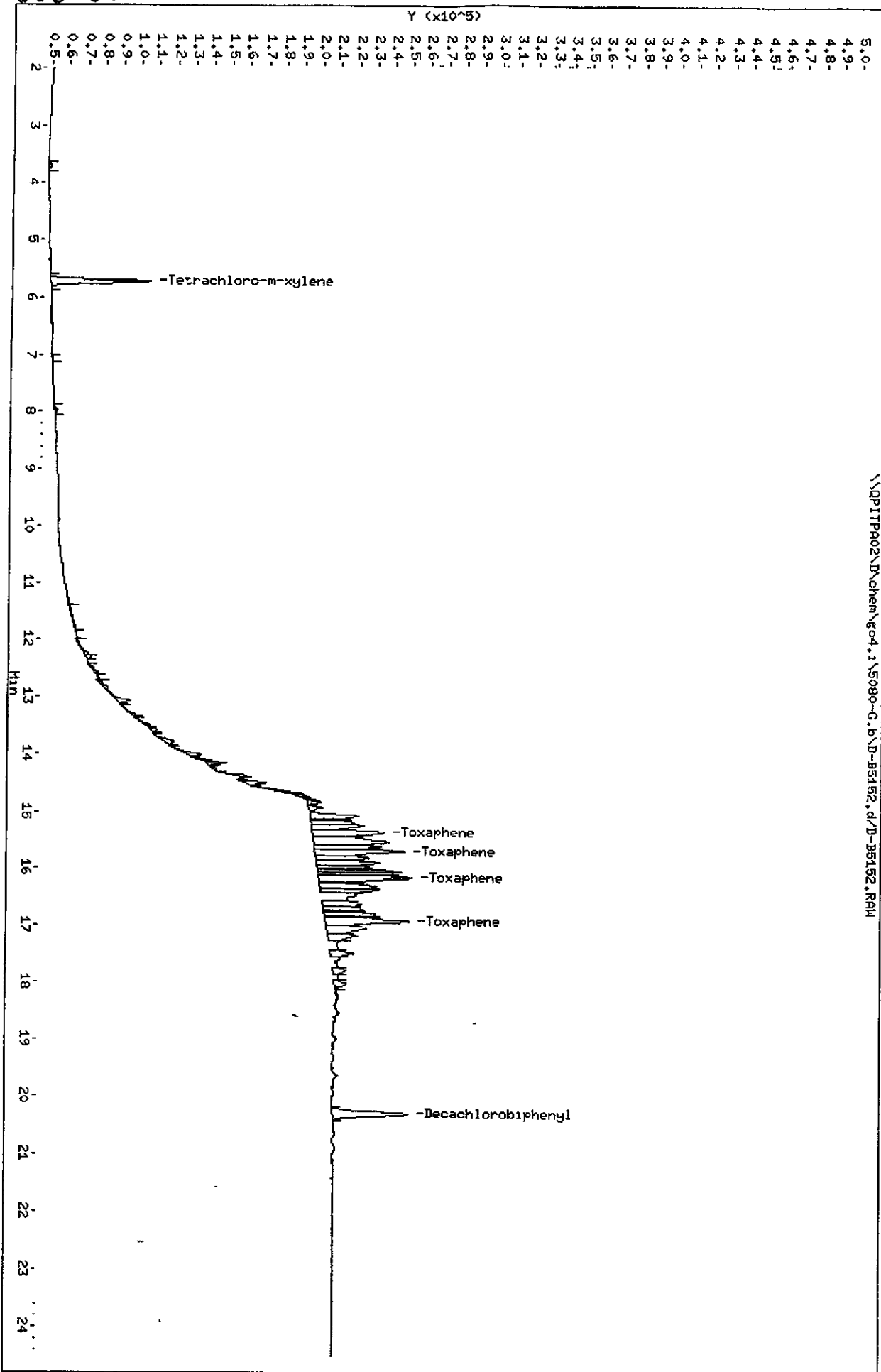
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
18 Toxaphene	15 353	15 353	0.000	39627	1 00000	1 000(M)
\$ 1 Tetrachloro-m-xylene	5 720	5.720	0 000	56063	0.02500	0 02500
\$ 30 Decachlorobiphenyl	20 280	20 280	0 000	41913	0 02500	0 02500

QC Flag Legend

M - Compound response manually integrated.

Data File: \\NPITPA02\Nchem\gc4,1\5080-G.b\D-B5152.d
Date: 07-AUG-2000 15:52
Client ID:
Sample Info: HEDTOX,5080-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\5080-G.b\D-B5153.d
Lab Smp Id: MEDCHLOR
Inj Date : 07-AUG-2000 16:20
Operator : 1891
Smp Info : MEDCHLOR,5080-G.b,,2-CHLO.sub,,1,3
Misc Info : 190-85-10
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj
Cal Date : 07-AUG-2000 16:20
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

Inst ID: gc4.1
Quant Type: ESTD
Cal File: D-B5153.d
Calibration Sample, Level: 3
Compound Sublist: 2-CHLO.sub

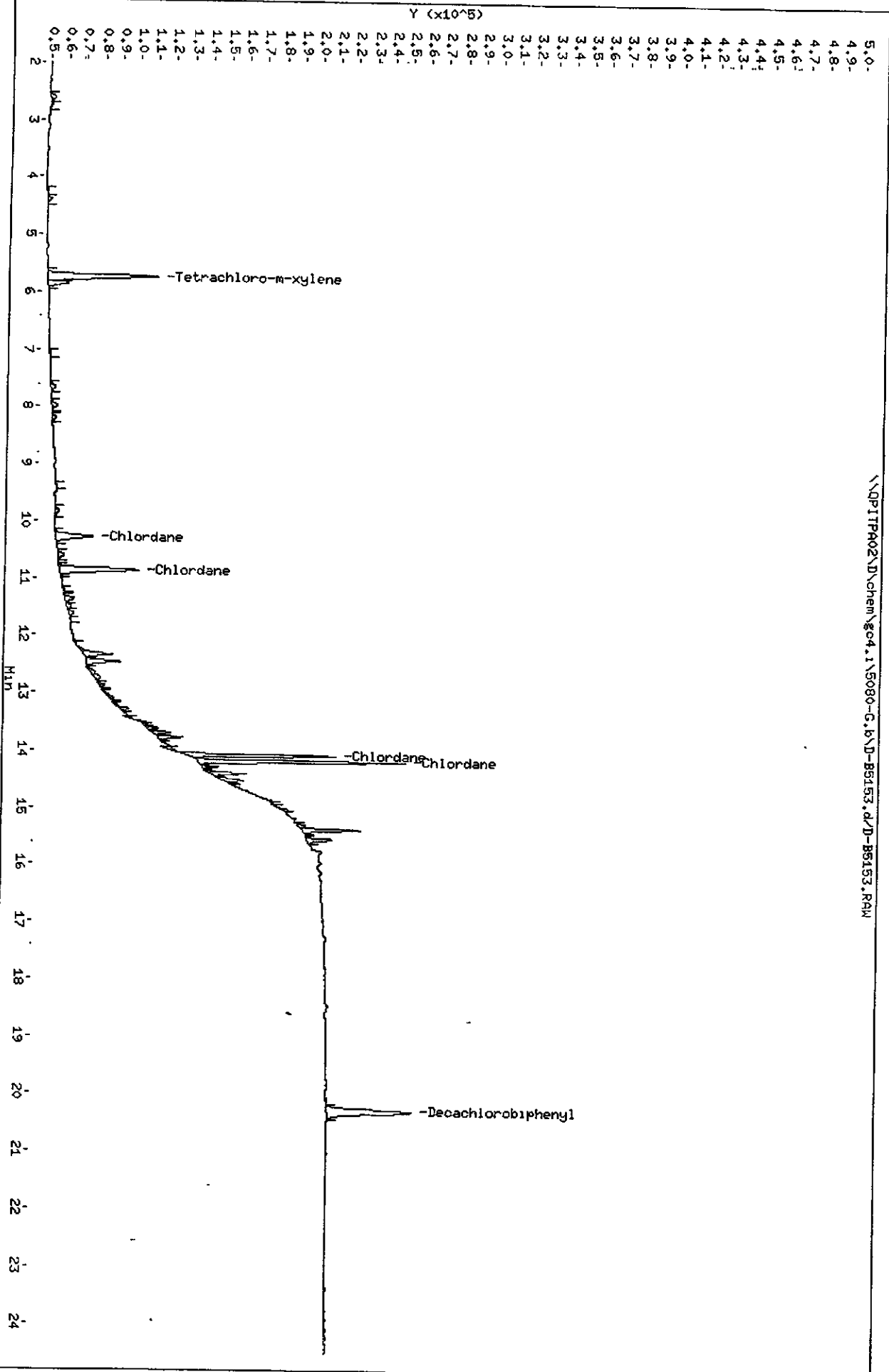
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
9 Chlordane	10 280	10 280	0.000	20567	0.25000	0 2500
\$ 1 Tetrachloro-m xylene	5 726	5.720	0 006	61356	0.02500	0 02500
\$ 30 Decachlorobiphenyl	20 286	20 280	0.006	46912	0.02500	0 02500

668 510

Data File: \NPI\PA02\chem\gc4.1\5080-G.b\D-B5153.d
Date : 07-AUG-2000 16:20
Client ID:
Sample Info: MEDCHLOR, 5080-G.b,, 2-CHL.D, sub,, 1, 3
Column phase: DB1701

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

\NPI\PA02\chem\gc4.1\5080-G.b\D-B5153.d\D-B5153.RAW



STL Pittsburgh

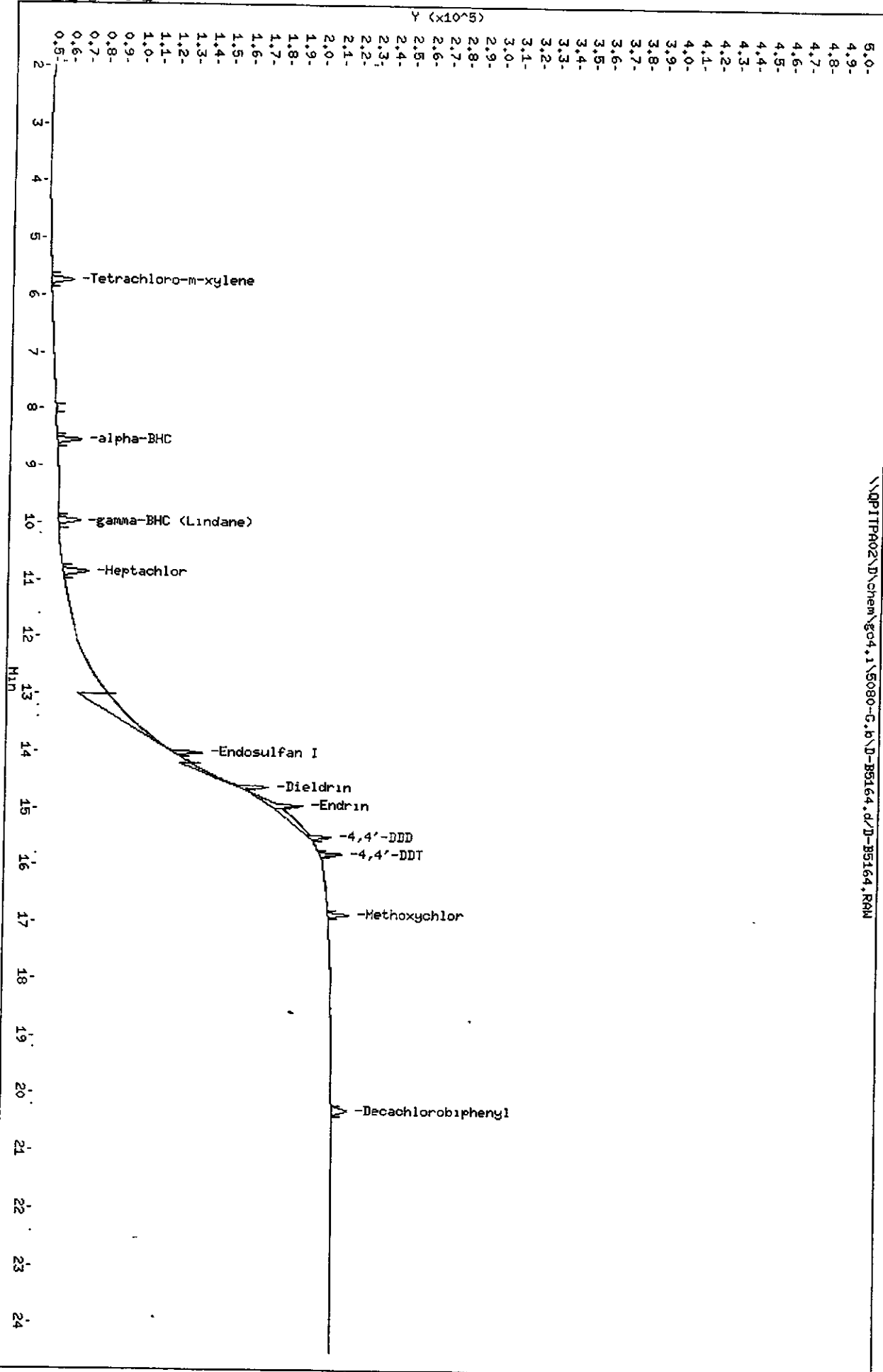
Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5164.d
Lab Smp Id: LOWA
Inj Date : 07-AUG-2000 21:25
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWA,5080-G.b,,3-INDA.sub,,1,1
Misc Info : 190-84-1
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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	5.720	0.013	12042	0.00500	0.005178
5 alpha-BHC	8.546	8.546	0.000	13335	0.00500	0.004660
6 gamma-BHC (Lindane)	9.966	9.960	0.006	11910	0.00500	0.004740
10 Heptachlor	10.860	10.860	0.000	14225	0.00500	0.004924
15 Endosulfan I	14.006	14.006	0.000	15582	0.00500	0.004971
17 Dieldrin	14.600	14.600	0.000	16308	0.00500	0.004921
20 Endrin	14.913	14.913	0.000	18515	0.00500	0.005605
21 4,4'-DDD	15.466	15.466	0.000	12888	0.00500	0.005228
23 4,4'-DDT	15.766	15.766	0.000	12280	0.00500	0.005034
25 Methoxychlor	16.833	16.833	0.000	11590	0.01000	0.01001
\$ 30 Decachlorobiphenyl	20.266	20.280	-0.014	8347	0.00500	0.004989

668 512

Data File: \\QPI1P02\chem\gc4.1\5080-G.b\D-B5164.d
Date : 07-AUG-2000 21:25
Client ID:
Sample Info: L04A,5080-G.b,3-INDA,sub,1,1
Column phase: DB1701

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



STL Pittsburgh

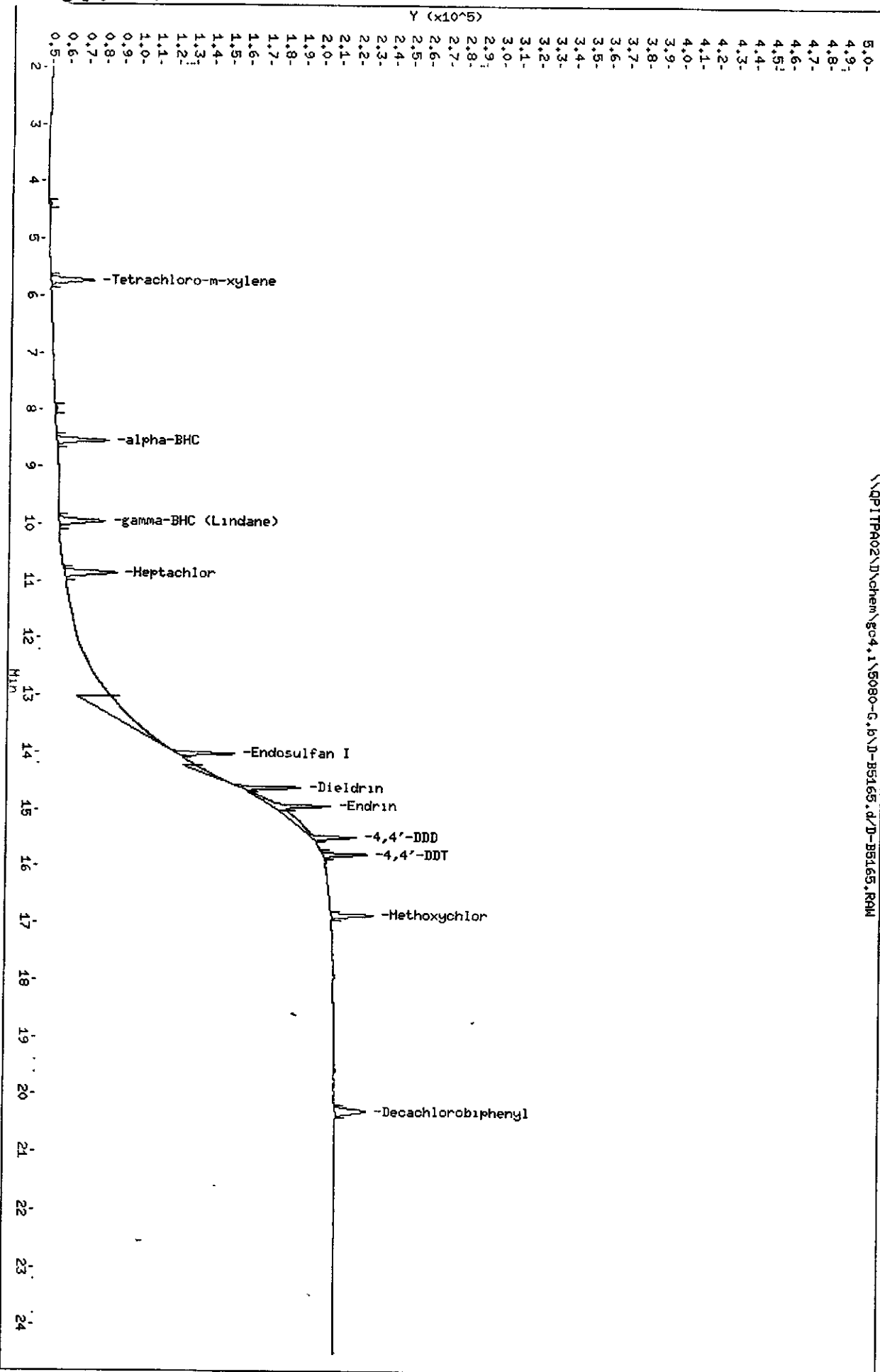
Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5165.d
Lab Smp Id: MLOWA
Inj Date : 07-AUG-2000 21:53
Operator : 1891 Inst ID: gc4.i
Smp Info : MLOWA,5080-G.b,,3-INDA.sub,,1,2
Misc Info : 190-84-2
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5 726	5 720	0 006	24109	0 01000	0 01024
5 alpha-BHC	8 540	8 546	-0 006	28308	0.01000	0 009929
6 gamma-BHC (Lindane)	9 960	9.960	0 000	25112	0 01000	0.009996
10 Heptachlor	10 860	10 860	0.000	28815	0 01000	0 009983
15 Endosulfan I	14 006	14 006	0 000	31973	0 01000	0 01013
17 Dieldrin	14 600	14 600	0 000	33148	0.01000	0.01000
20 Endrin	14.913	14 913	0 000	32441	0.01000	0 009880
21 4,4' DDD	15 466	15 466	0 000	24879	0 01000	0.01006
23 4,4'-DDT	15 766	15 766	0 000	24649	0 01000	0 01007
25 Methoxychlor	16.833	16 833	0 000	23322	0 02000	0.02010
\$ 30 Decachlorobiphenyl	20 266	20.280	-0.014	17473	0 01000	0.01029

668 514

Data File: \\QPIITPA02\Nchem\gc4,1\5080-G.b\D-B5165.d
Date: 07-AUG-2000 21:53
Client ID:
Sample Info: HL004,5080-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\5080-G.b\D-B5166.d
Lab Smp Id: MEDA
Inj Date : 07-AUG-2000 22:21
Operator : 1891
Smp Info : MEDA,5080-G.b,,3-INDA.sub,,1,3
Misc Info : 190-84-3
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj
Cal Date : 07-AUG-2000 22:21
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)
\$ 1 Tetrachloro m xylene	5.733	5 720	0 013	57884	0 02500	0 02500
5 alpha-BHC	8.546	8 546	0.000	76388	0.02500	0 02500
6 gamma-BHC (Lindane)	9 960	9 960	0 000	66083	0 02500	0 02500
10 Heptachlor	10 860	10 860	0 000	73312	0.02500	0 02500
15 Endosulfan I	14 006	14 006	0.000	78830	0.02500	0 02500
17 Dieldrin	14 600	14 600	0.000	84144	0 02500	0 02500
20 Endrin	14 913	14 913	0 000	72585	0 02500	0 02500
21 4,4'-DDD	15 466	15 466	0 000	58819	0.02500	0 02500
23 4,4'-DDT	15 766	15 766	0 000	60566	0 02500	0 02500
25 Methoxychlor	16 833	16 833	0 000	57779	0 05000	0 05000
\$ 30 Decachlorobiphenyl	20 266	20 280	0 014	42252	0 02500	0 02500

Data File: \\QP1TPA02\J\chem\gc4.1\5080-G.b\D-B5166.d
Date: 07-AUG-2000 22:21

Client ID:

Sample Info: NEDA, 5080-G.b, 3-INDA, sub, 1,3

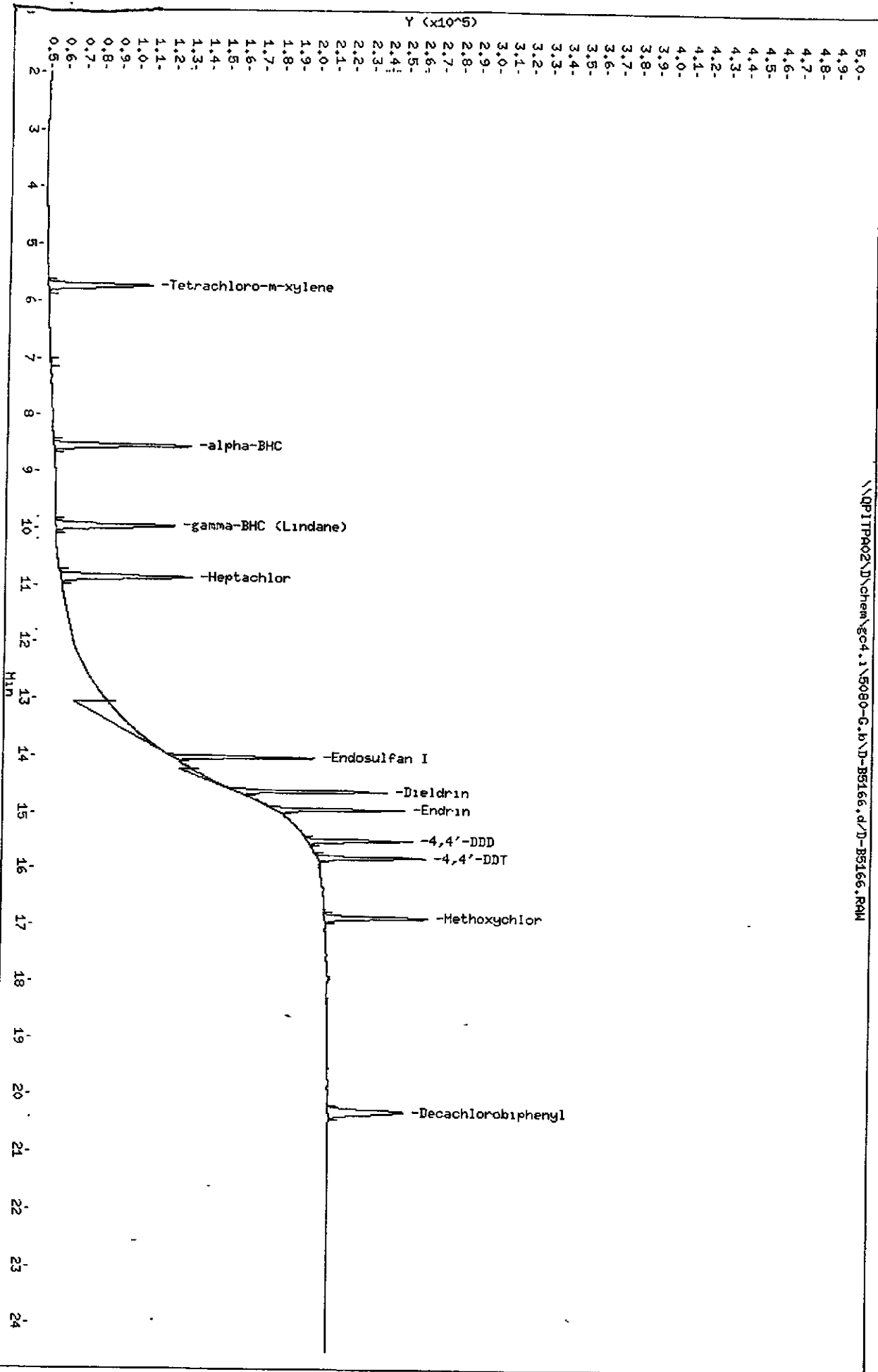
Column phase: DB1701

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53

\\QP1TPA02\J\chem\gc4.1\5080-G.b\D-B5166.d\D-B5166.RAW



915 899

Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5167.d
Report Date: 10-Aug-2000 10:45

STL Pittsburgh

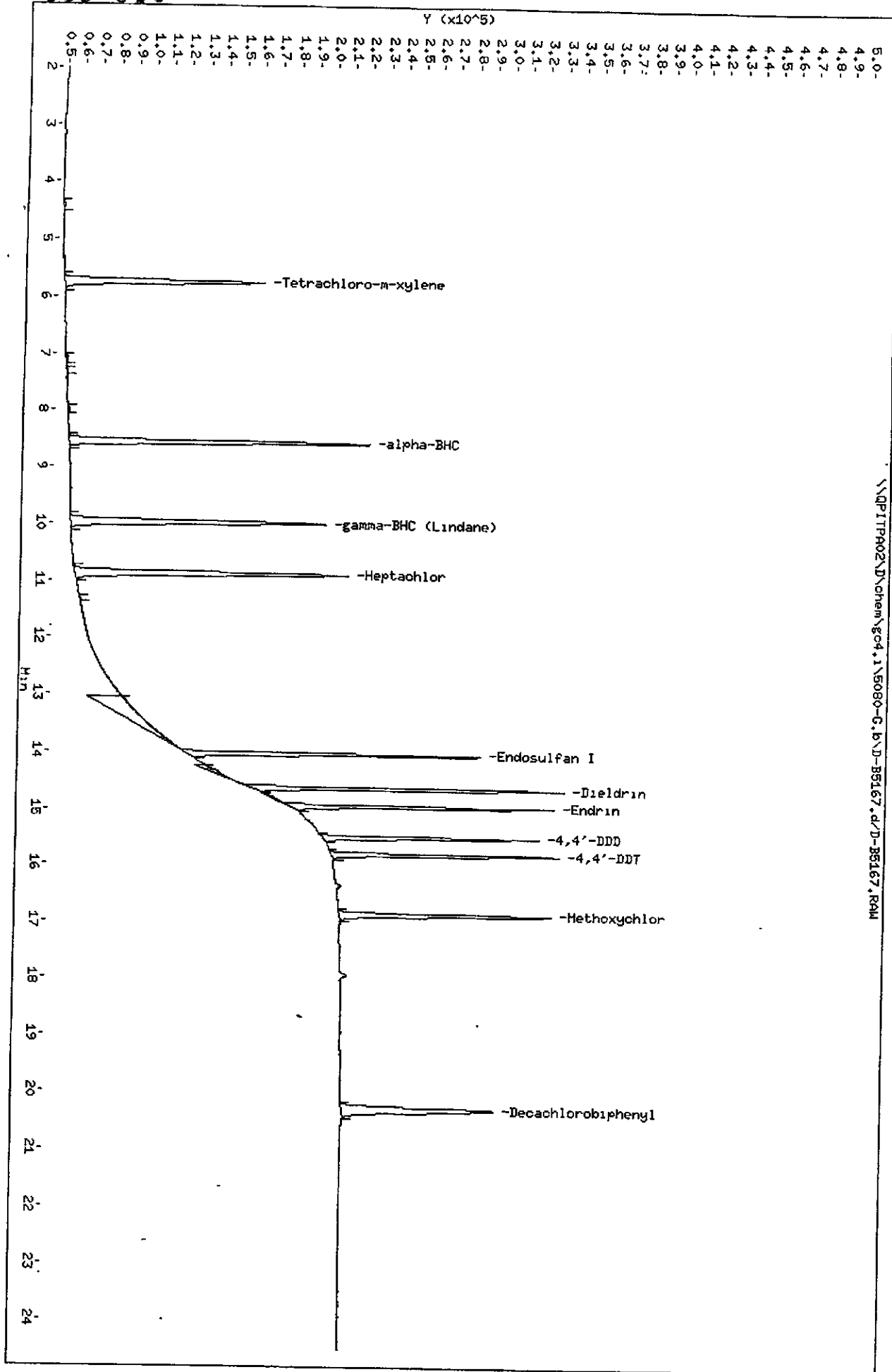
Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5167.d
Lab Smp Id: MHIGHA
Inj Date : 07-AUG-2000 22:49
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHA,5080-G.b,,3-INDA.sub,,1,4
Misc Info : 190-84-4
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5 740	5 720	0.020	110926	0 05000	0.04781
5 alpha BHC	8 546	8 546	0 000	166513	0 05000	0.05605
6 gamma-BHC (Lindane)	9.966	9 960	0 006	141563	0 05000	0 05462
10 Heptachlor	10 866	10.860	0.006	151092	0.05000	0.05174
15 Endosulfan I	14 006	14 006	0 000	163403	0 05000	0 05132
17 Dieldrin	14 600	14 600	0 000	175075	0 05000	0 05209
20 Endrin	14.913	14 913	0 000	148068	0 05000	0 04623
21 4,4'-DDD	15 466	15 466	0 000	120911	0.05000	0.04917
23 4,4'-DDT	15.766	15 766	0 000	126855	0.05000	0 05135
25 Methoxychlor	16 833	16 833	0.000	118661	0 10000	0 1017
\$ 30 Decachlorobiphenyl	20 266	20 280	-0 014	85130	0 05000	0 05011

668 518

Data File: \\QIPITPA02\chem\gc4.1\5080-G.b.D-B5167.d
Date : 07-AUG-2000 22:49
Client ID:
Sample Info: NHICH0,5080-G.b.,3-INDA,sub.,1.4
Column phase: DB1701

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



Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5168.d
 Report Date: 10-Aug-2000 10:45

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5168.d
 Lab Smp Id: HIGHA
 Inj Date : 07-AUG-2000 23:16
 Operator : 1891 Inst ID: gc4.i
 Smp Info : HIGHA,5080-G.b,,3-INDA.sub,,1,5
 Misc Info : 190-84-5
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
 Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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

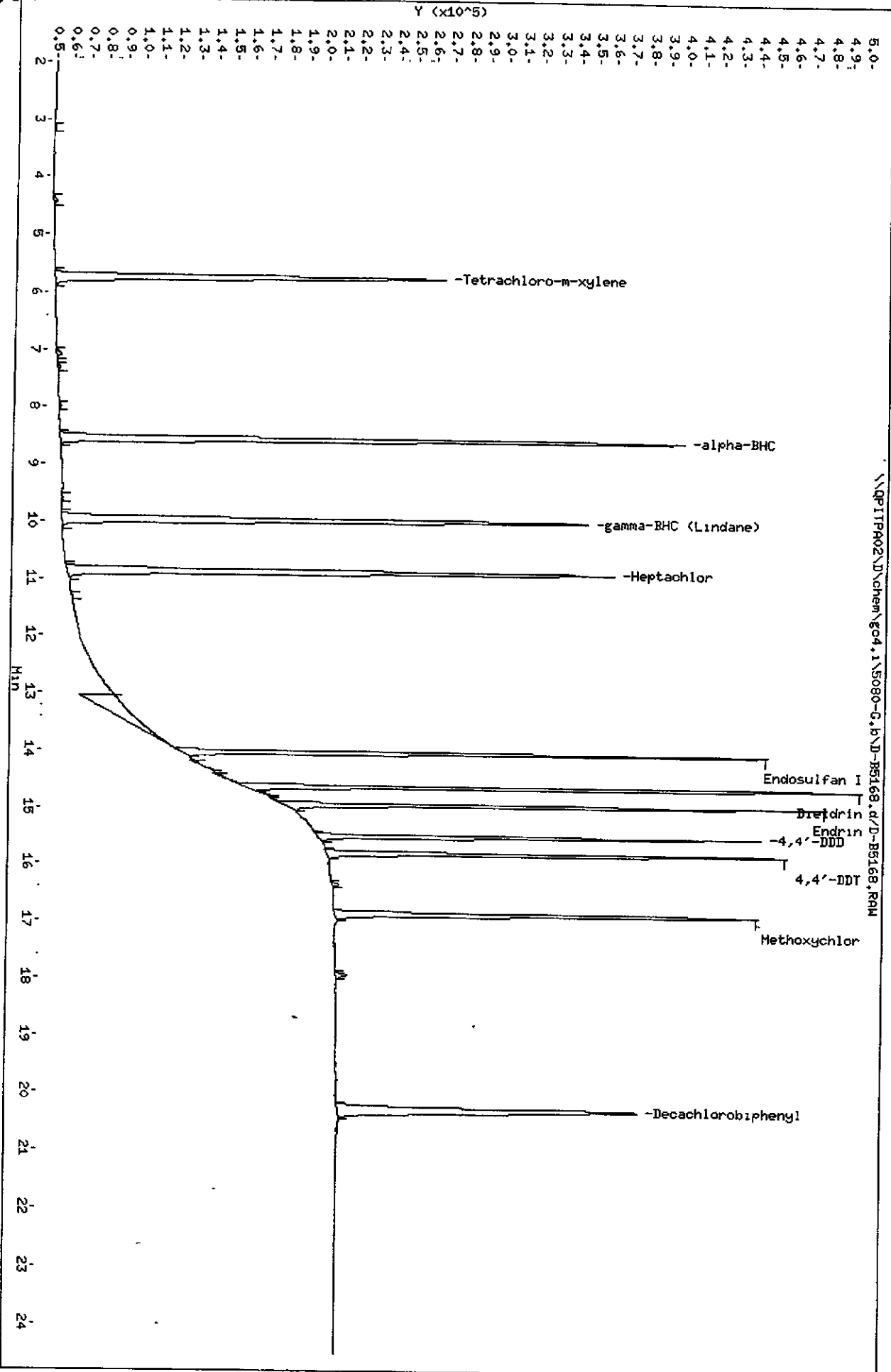
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.733	5.720	0.013	215103	0.10000	0.09408
5 alpha-BHC	8.546	8.546	0.000	343818	0.10000	0.1122(A)
6 gamma-BHC (Lindane)	9.966	9.960	0.006	289303	0.10000	0.1091(A)
10 Heptachlor	10.860	10.860	0.000	301856	0.10000	0.1027(A)
15 Endosulfan I	14.006	14.006	0.000	324496	0.10000	0.1015(A)
17 Dieldrin	14.600	14.600	0.000	353478	0.10000	0.1041(A)
20 Endrin	14.913	14.913	0.000	299738	0.10000	0.09480
21 4,4'-DDD	15.466	15.466	0.000	245684	0.10000	0.09992
23 4,4'-DDT	15.766	15.766	0.000	254280	0.10000	0.1023(A)
25 Methoxychlor	16.833	16.833	0.000	234266	0.20000	0.2006(A)
\$ 30 Decachlorobiphenyl	20.266	20.280	-0.014	165977	0.10000	0.09815

QC Flag Legend

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

Data File: \\QPITPA02\chem\gc4.1\5080-G.b\D-B5168.d
 Date : 07-AUG-2000 23:16
 Client ID:
 Sample Info: HIGH4,5080-G.b,,3-INDA,sub,,1.5
 Column phase: DB1.701

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



STL Pittsburgh

Data file: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5169.d
Lab Smp Id: LOWB
Inj Date : 07-AUG-2000 23:44
Operator : 1891 Inst ID: gc4.i
Smp Info : LOWB,5080-G.b,,4-INDB.sub,,1,1
Misc Info : 190-84-7
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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	11 820	11 820	0 000	12822	0 00500	0.004818
7 beta-BHC	12 360	12.360	0 000	8132	0 00500	0 005012
8 delta-BHC	13 000	13.000	0.000	14859	0 00500	0.004707
12 Heptachlor epoxide	13 473	13 473	0 000	15441	0 00500	0 004899
13 gamma-Chlordane	14 066	14 066	0 000	16067	0 00500	0 004954
14 alpha-Chlordane	14.166	14 166	0 000	16067	0 00500	0 005022
16 4,4'-DDE	14 313	14 313	0.000	16021	0 00500	0 004946
22 Endosulfan II	15 626	15 626	0 000	14972	0 00500	0 005250
24 Endrin aldehyde	16 320	16 313	0 007	6203	0.00500	0 004871
26 Endosulfan sulfate	16 920	16.913	0 007	8085	0 00500	0.004882
27 Endrin ketone	17 913	17 906	0 007	9725	0 00500	0.004912

Data File: \\QIPITPA02\Nchem\gc4.1\5080-G.b\D-B5169.d
Date: 07-AUG-2000 23:44

Client ID:

Sample Info: LOHB,5080-G.b,4-INDB,sub,1.1

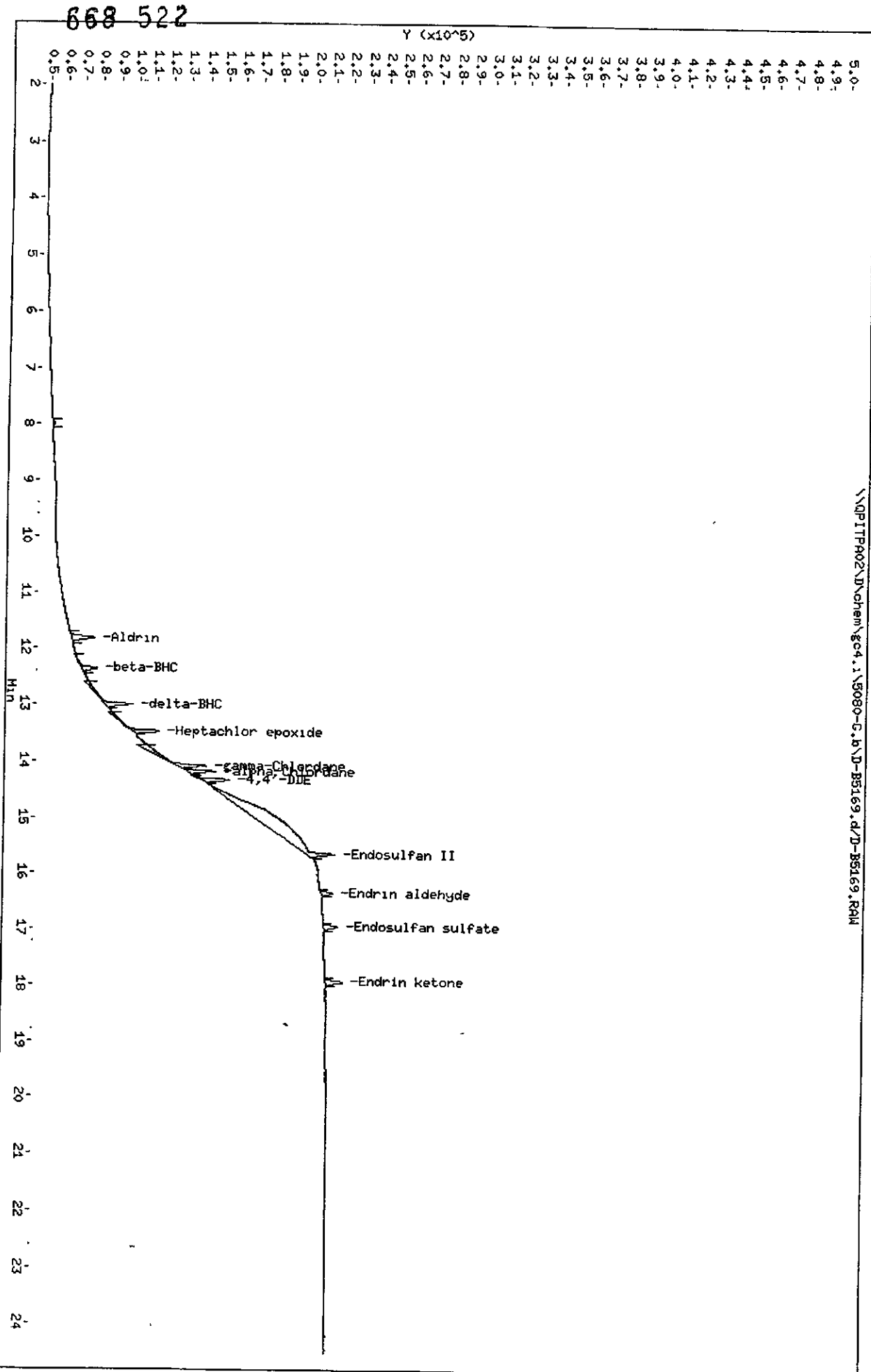
Column phase: DB1701

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53

\\QIPITPA02\Nchem\gc4.1\5080-G.b\D-B5169.d\D-B5169.RAW



Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5170.d
 Report Date: 10-Aug-2000 10:45

STL Pittsburgh

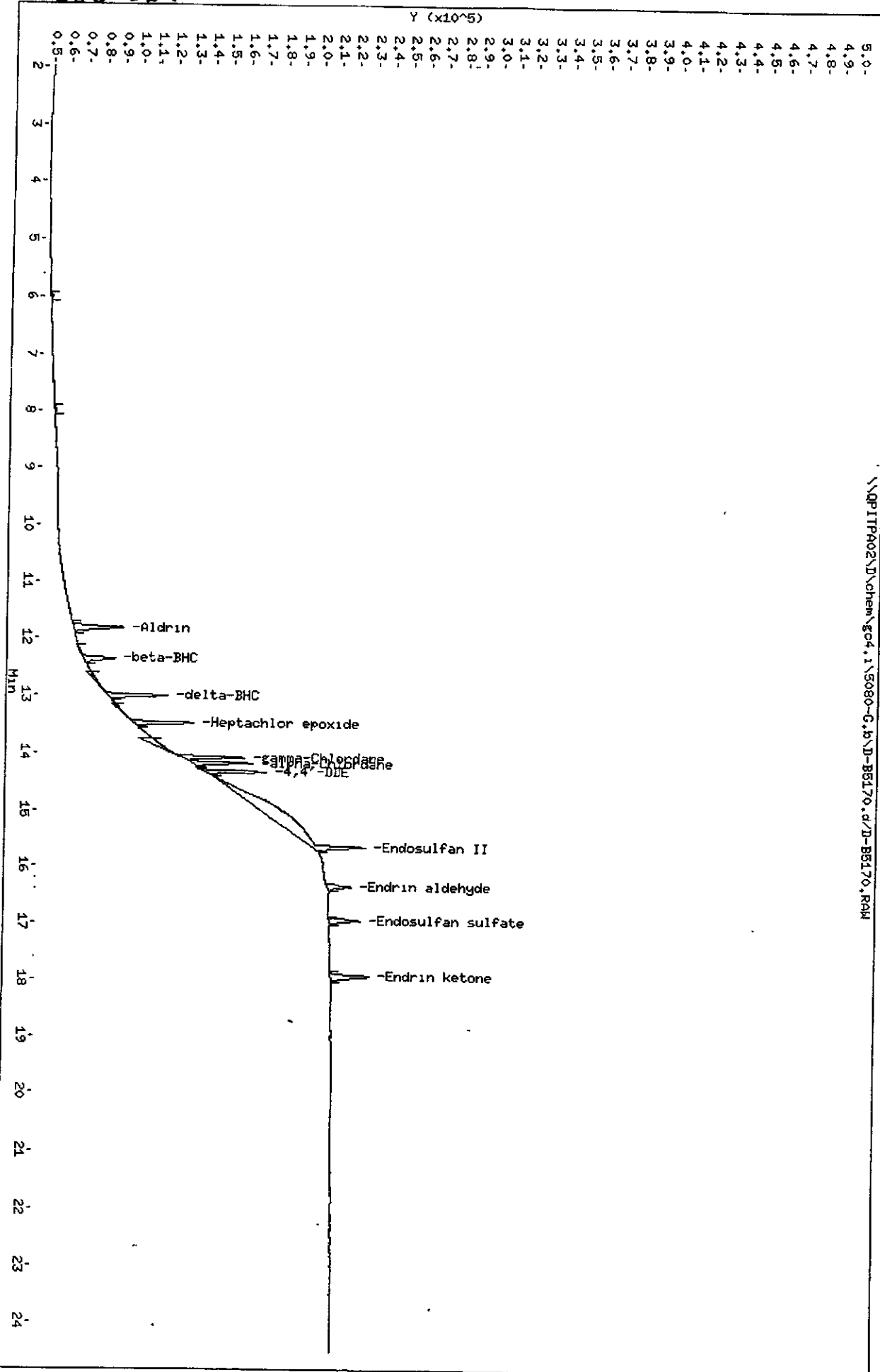
Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5170.d
 Lab Smp Id: MLOWB
 Inj Date : 08-AUG-2000 00:12
 Operator : 1891
 Smp Info : MLOWB,5080-G.b,,4-INDB.sub,,1,2
 Misc Info : 190-84-8
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 10-Aug-2000 10:37 colussyj
 Cal Date : 08-AUG-2000 00:39
 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-B5171.d
 Calibration Sample, Level: 2
 Compound Sublist: 4-INDB.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL AMT (ng)	ON COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.813	11.820	-0.007	27880	0.01000	0.01031
7 beta-BHC	12.360	12.360	0.000	17028	0.01000	0.01032
8 delta-BHC	13.000	13.000	0.000	32973	0.01000	0.01029
12 Heptachlor epoxide	13.473	13.473	0.000	32948	0.01000	0.01030
13 gamma-Chlordane	14.066	14.066	0.000	34249	0.01000	0.01037
14 alpha-Chlordane	14.166	14.166	0.000	33312	0.01000	0.01027
16 4,4' DDE	14.313	14.313	0.000	33536	0.01000	0.01023
22 Endosulfan II	15.626	15.626	0.000	28945	0.01000	0.01010
24 Endrin aldehyde	16.313	16.313	0.000	13343	0.01000	0.01031
26 Endosulfan sulfate	16.920	16.913	0.007	17358	0.01000	0.01032
27 Endrin ketone	17.906	17.906	0.000	21065	0.01000	0.01042

Data File: \\QP1TPA02\N\chem\gc4.1\5080-G.b\J-B5170.d
 Date : 08-AUG-2000 00:12
 Client ID:
 Sample Info: MLOMB,5080-G.b,4-INDB.sub,1.2
 Column phase: DB1.701

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



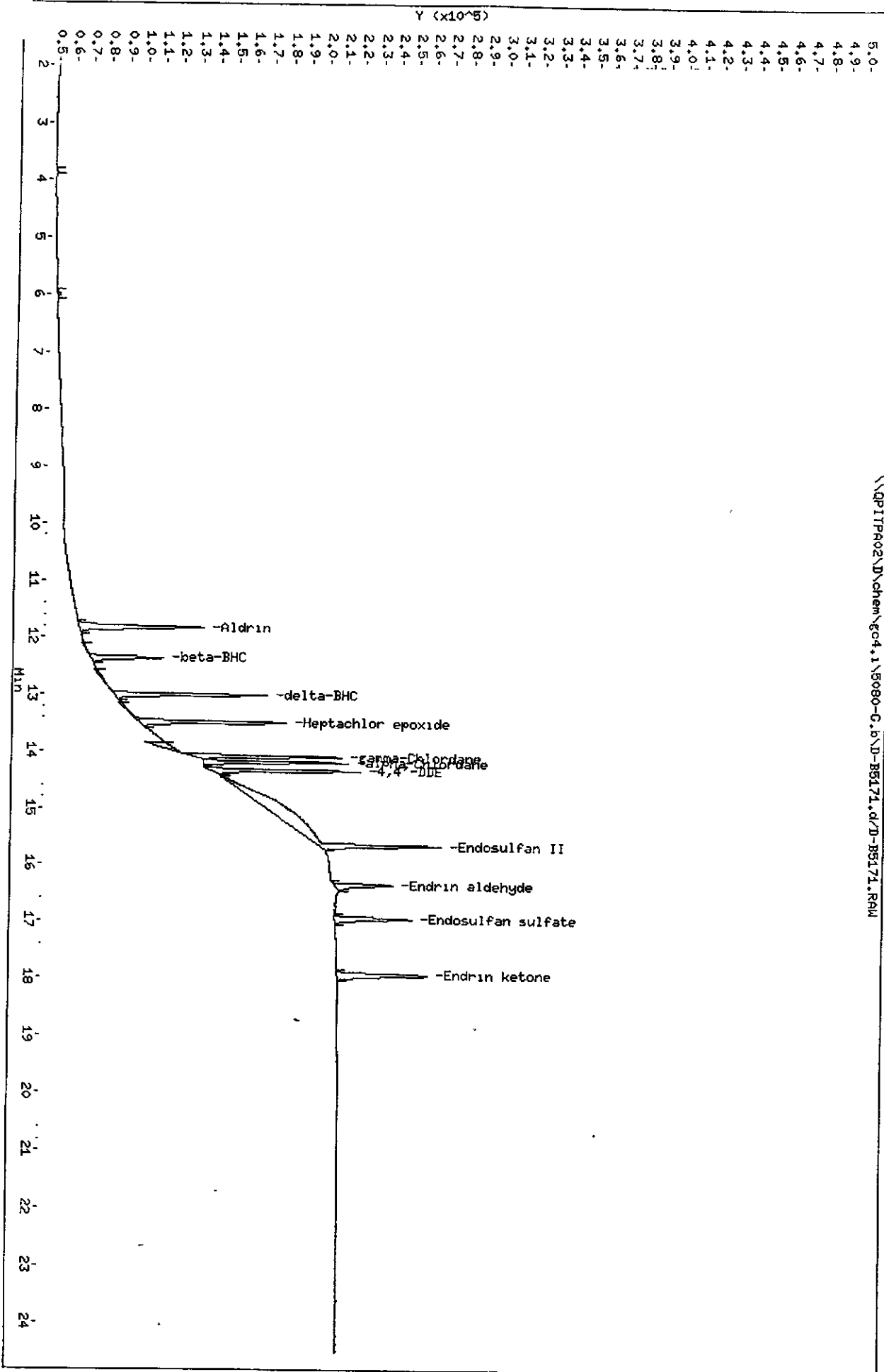
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5171.d
Lab Smp Id: MEDB
Inj Date : 08-AUG-2000 00:39
Operator : 1891 Inst ID: gc4.i
Smp Info : MEDB,5080-G.b,,4-INDB.sub,,1,3
Misc Info : 190-84-9
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 00:39 Cal File: D-B5171.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: PITPC085

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL AMT (ng)	ON COL (ng)
*****	==	=====	=====	=====	=====	=====
11 Aldrin	11.820	11.820	0.000	68952	0.02500	0.02500
7 beta-BHC	12.360	12.360	0.000	40468	0.02500	0.02500
8 delta BHC	13.000	13.000	0.000	83530	0.02500	0.02500
12 Heptachlor epoxide	13.473	13.473	0.000	80396	0.02500	0.02500
13 gamma-Chlordane	14.066	14.066	0.000	81835	0.02500	0.02500
14 alpha-Chlordane	14.166	14.166	0.000	79632	0.02500	0.02500
16 4,4'-DDE	14.313	14.313	0.000	81856	0.02500	0.02500
22 Endosulfan II	15.626	15.626	0.000	67732	0.02500	0.02500
24 Endrin aldehyde	16.313	16.313	0.000	32658	0.02500	0.02500
26 Endosulfan sulfate	16.913	16.913	0.000	42382	0.02500	0.02500
27 Endrin ketone	17.906	17.906	0.000	50362	0.02500	0.02500

Data File: \\QPI\PA02\Nchem\gc4.1\5080-G.b\D-B5171.d
Date : 08-AUG-2000 00:39
Client ID:
Sample Info: MEDE,5080-G.b,,4-INDB.sub,,1.3
Column phase: DB1701

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



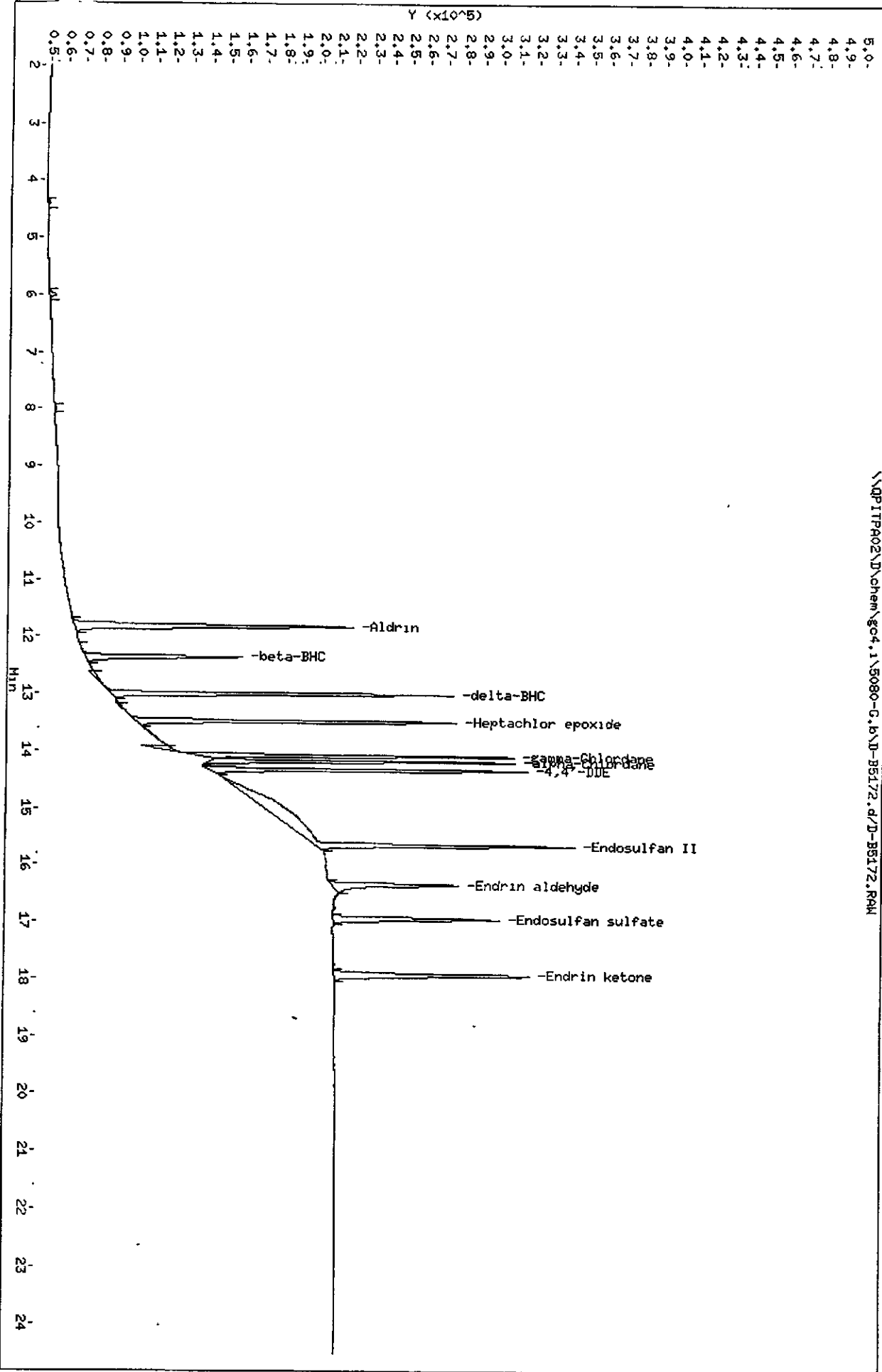
STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5172.d
Lab Smp Id: MHIGHB
Inj Date : 08-AUG-2000 01:07
Operator : 1891 Inst ID: gc4.i
Smp Info : MHIGHB,5080-G.b,,4-INDB.sub,,1,4
Misc Info : 190-84-10
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 01:07 Cal File: D-B5172.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	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.820	11.820	0.000	153113	0.05000	0.05482
7 beta-BHC	12.360	12.360	0.000	86254	0.05000	0.05170
8 delta BHC	13.000	13.000	0.000	188626	0.05000	0.05638
12 Heptachlor epoxide	13.473	13.473	0.000	176079	0.05000	0.05368
13 gamma-Chlordane	14.066	14.066	0.000	174570	0.05000	0.05210
14 alpha-Chlordane	14.160	14.166	-0.006	167853	0.05000	0.05130
16 4,4'-DDE	14.313	14.313	0.000	175132	0.05000	0.05253
22 Endosulfan II	15.626	15.626	0.000	142620	0.05000	0.04982
24 Endrin aldehyde	16.313	16.313	0.000	70141	0.05000	0.05310
26 Endosulfan sulfate	16.920	16.913	0.007	92379	0.05000	0.05359
27 Endrin ketone	17.906	17.906	0.000	107443	0.05000	0.05232

Data File: \\QPI1P02\Nchem\gc4.1\5080-G.b\D-B5172.d
Date: 08-AUG-2000 01:07
Client ID:
Sample Info: MHICB, 5080-G.b, 4-IND, sub, 1, 4
Column phase: DB1701

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



Data File: \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5173.d
 Report Date: 10-Aug-2000 10:46

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5173.d
 Lab Smp Id: HIGHB
 Inj Date : 08-AUG-2000 01:35
 Operator : 1891 Inst ID: gc4.i
 Smp Info : HIGHB,5080-G.b,,4-INDB.sub,,1,5
 Misc Info : 190-84-11
 Comment :
 Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.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	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.820	11.820	0.000	306847	0.10000	0.1077(A)
7 beta-BHC	12.360	12.360	0.000	164046	0.10000	0.09866
8 delta-BHC	13.000	13.000	0.000	379398	0.10000	0.1104(A)
12 Heptachlor epoxide	13.473	13.473	0.000	344752	0.10000	0.1040(A)
13 gamma-Chlordane	14.066	14.066	0.000	355725	0.10000	0.1049(A)
14 alpha-Chlordane	14.166	14.166	0.000	345171	0.10000	0.1044(A)
16 4,4'-DDE	14.313	14.313	0.000	350629	0.10000	0.1041(A)
22 Endosulfan II	15.626	15.626	0.000	286290	0.10000	0.1000(A)
24 Endrin aldehyde	16.313	16.313	0.000	141855	0.10000	0.1058(A)
26 Endosulfan sulfate	16.913	16.913	0.000	186252	0.10000	0.1063(A)
27 Endrin ketone	17.906	17.906	0.000	210692	0.10000	0.1021(A)

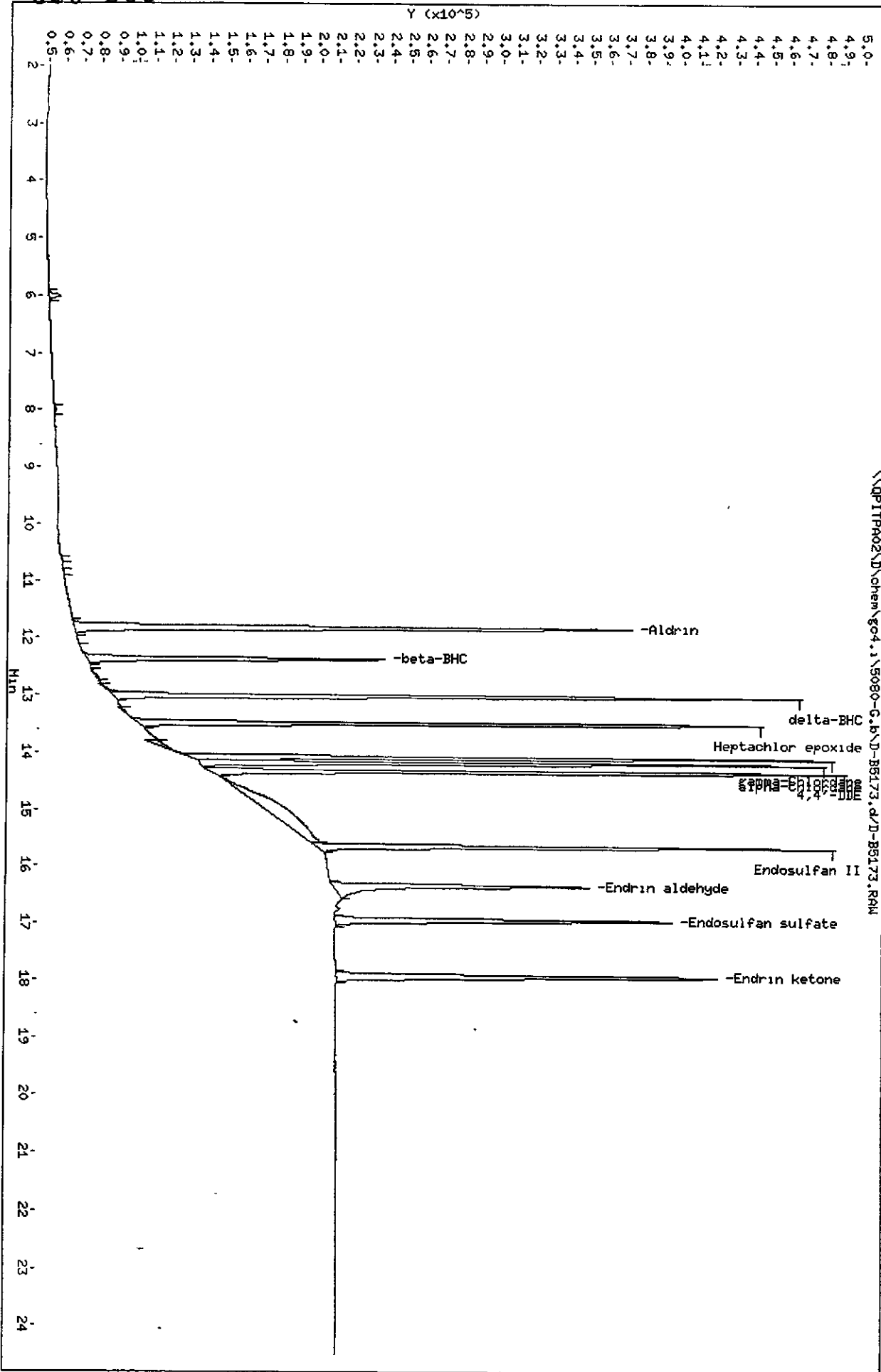
QC Flag Legend

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

668 530

Data File: \\QPITPA02\chem\gc04.1\5080-G.b\B5173.d
 Date : 08-AUG-2000 01:35
 Client ID:
 Sample Info: HICB,5080-G.b,4-INDB,sub,1,5
 Column phase: DB1701

Instrument: gc04.1
 Operator: 1891
 Column diameter: 0.53



STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5174.d
Lab Smp Id: 2ND A
Inj Date : 08-AUG-2000 02:03
Operator : 1891 Inst ID: gc4.i
Smp Info : 2ND A, 5080-G.b, , INDA.sub, , 2, 3
Misc Info : 190-82-2
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.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	5.733	5.720	0.013	44383	0.02500	0.01941
5 alpha-BHC	8.546	8.546	0.000	58751	0.02500	0.01917
6 gamma-BHC (Lindane)	9.966	9.960	0.006	51828	0.02500	0.01954
10 Heptachlor	10.860	10.860	0.000	56981	0.02500	0.01938
15 Endosulfan I	14.006	14.006	0.000	63340	0.02500	0.01982
17 Dieldrin	14.593	14.600	-0.007	135880	0.02500	0.04002
20 Endrin	14.913	14.913	0.000	104632	0.02500	0.03309
21 4,4'-DDD	15.466	15.466	0.000	97158	0.02500	0.03952
23 4,4'-DDT	15.766	15.766	0.000	99074	0.02500	0.03987
25 Methoxychlor	16.826	16.833	-0.007	234483	0.05000	0.2008 (A)
\$ 30 Decachlorobiphenyl	20.260	20.280	-0.020	68326	0.02500	0.04040

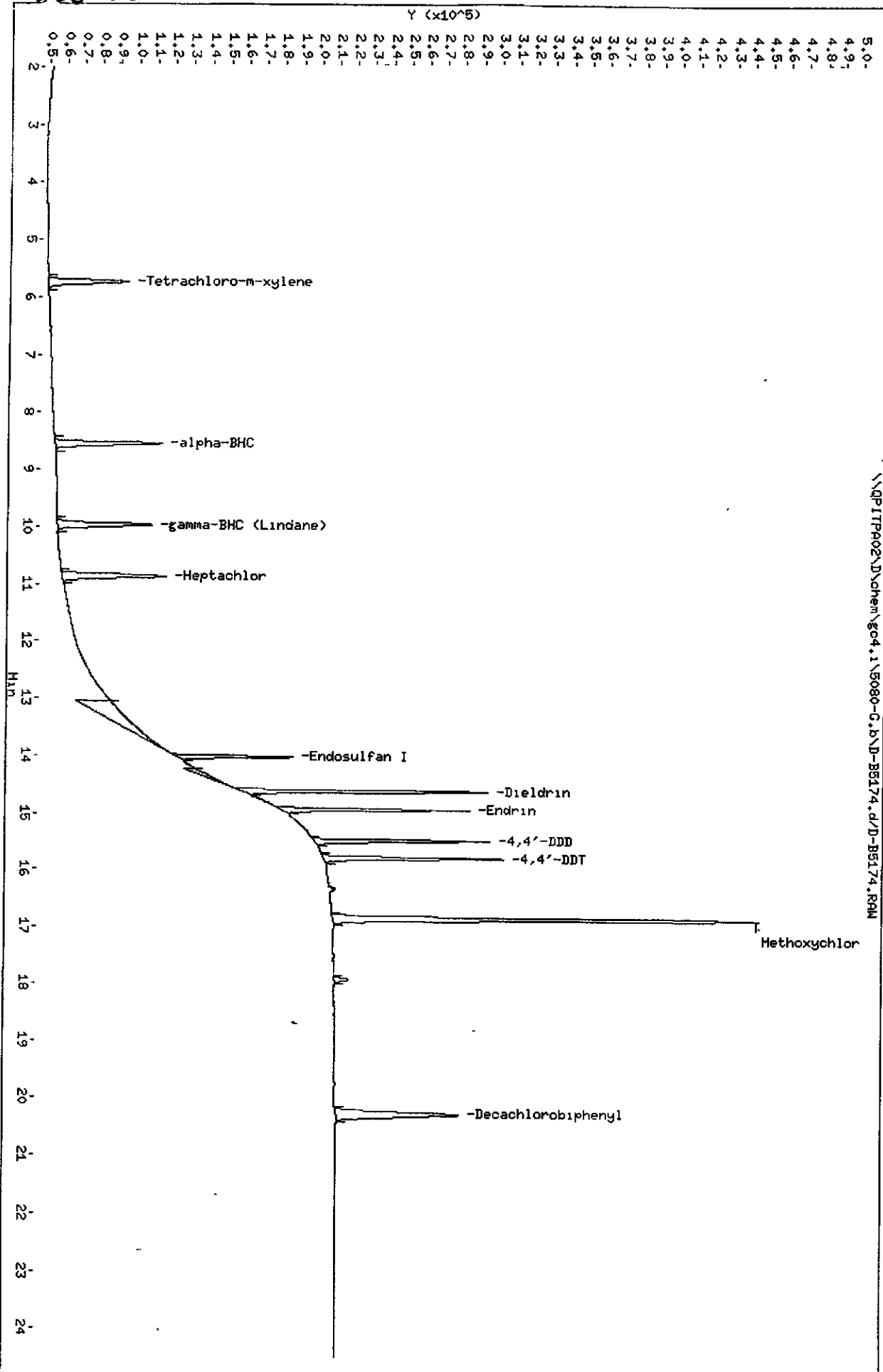
QC Flag Legend

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

668 532

Data File: \\QPIIPA02\chem\gc4.1\5080-G.b\B5174.d
Date: 08-AUG-2000 02:03
Client ID:
Sample Info: 2ND A,5080-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\5080-G.b\D-B5175.d
Lab Smp Id: 2ND B
Inj Date : 08-AUG-2000 02:30
Operator : 1891
Smp Info : 2ND B, 5080-G.b, , INDB.sub, , 2, 3
Misc Info : 190-82-5
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC085

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
11 Aldrin	11 820	11 820	0.000	53398	0 02500	0 01875
7 beta-BHC	12 360	12 360	0.000	31209	0 02500	0 01877
8 delta-BHC	13.000	13.000	0 000	63116	0 02500	0 01837
12 Heptachlor epoxide	13 473	13 473	0 000	65691	0.02500	0 01982
13 gamma-Chlordane	14 066	14 066	0 000	64462	0 02500	0 01900
14 alpha-Chlordane	14 166	14 166	0 000	63421	0 02500	0 01917
16 4,4'-DDE	14 313	14.313	0 000	131487	0 02500	0 03904
22 Endosulfan II	15 626	15 626	0 000	109592	0 02500	0 03828
24 Endrin aldehyde	16 313	16 313	0 000	50887	0 02500	0 03796
26 Endosulfan sulfate	16 920	16 913	0 007	69841	0 02500	0 03987
27 Endrin ketone	17 913	17 906	0 007	83392	0 02500	0 04040

Data File: \\QPI1PA02\chem\gc4.1\5080-G.b\D-B5175.d

Date: 08-AUG-2000 02:30

Client ID:

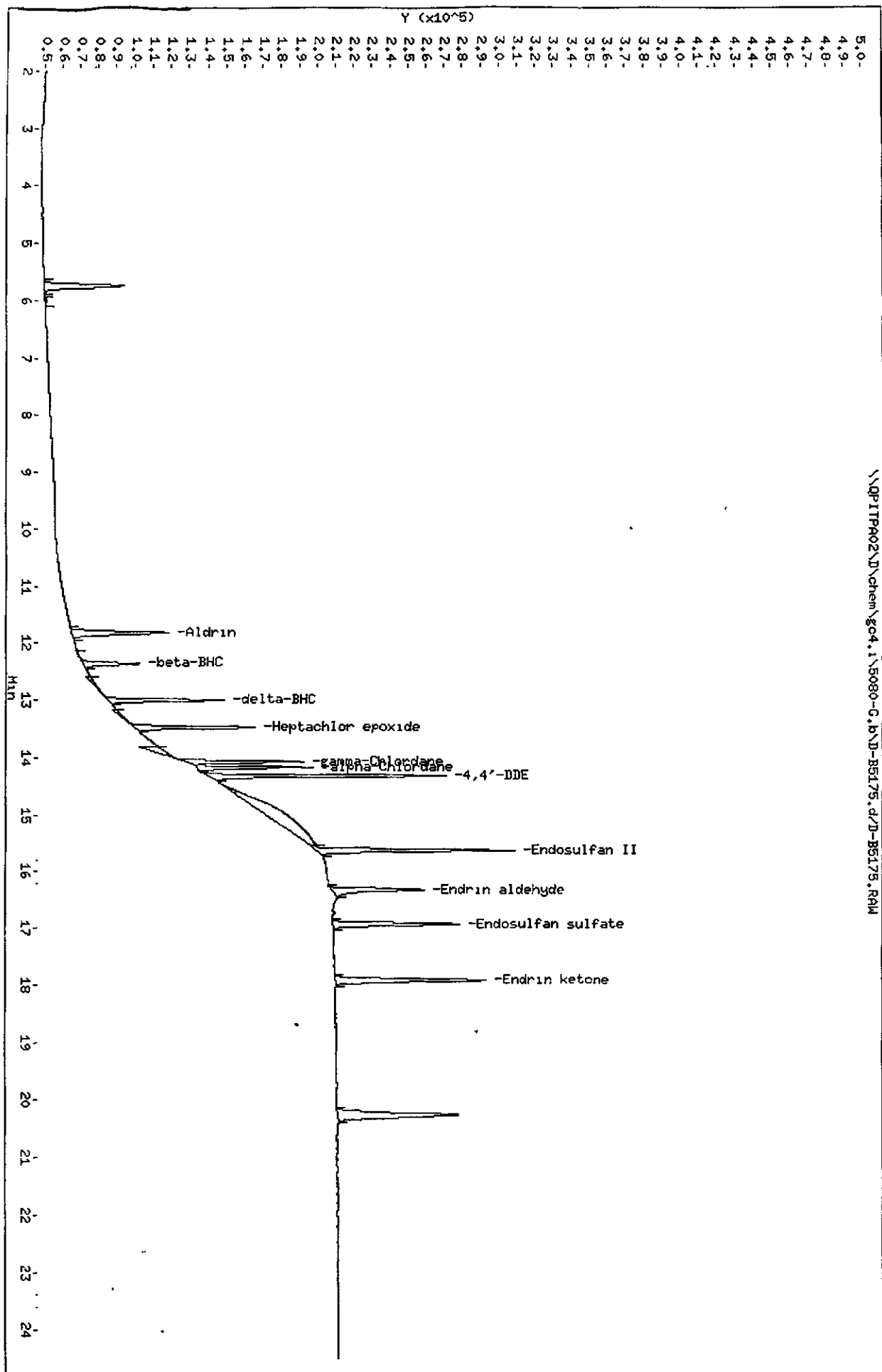
Sample Info: 2ND B,5080-G.b.,INDB,sub,2,3

Column phase: DB1701

Instrument: gc4.1

Operator: 1891

Column diameter: 0.53



668 534

STL Pittsburgh

Data file : \\QPITPA02\D\chem\gc4.i\5080-G.b\D-B5176.d
Lab Smp Id: EVALB
Inj Date : 08-AUG-2000 02:58
Operator : 1891 Inst ID: gc4.i
Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
Misc Info : 190-88-8
Comment :
Method : \\QPITPA02\D\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 10-Aug-2000 10:37 colussyj Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.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	5.746	5 720	0 026	45881	0 02007	0 02007 (R)
16 4,4'-DDE	Compound Not Detected					
20 Endrin	14 913	14 913	0 000	70054	0 02216	0 02216
21 4,4'-DDD	Compound Not Detected					
23 4,4' DDT	15 766	15 766	0.000	61493	0.02475	0 02475
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected					
\$ 30 Decachlorobiphenyl	20 266	20.280	-0 014	34851	0.02061	0 02061 (R)

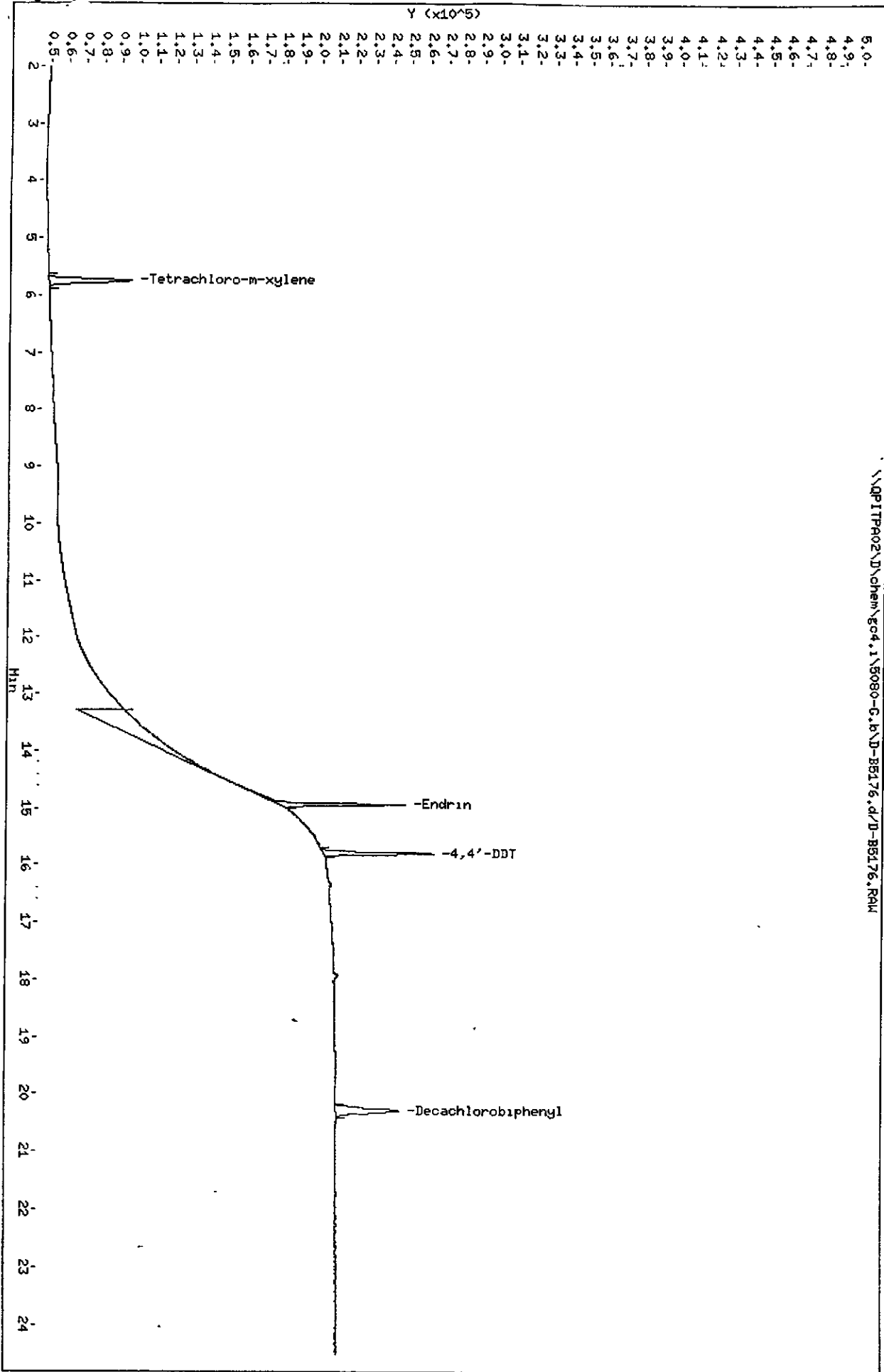
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

668 536

Data File: \\QPI1P402\chem\gc4,1\5080-G.b\B5176.d
 Date: 08-AUG-2000 02:58
 Client ID:
 Sample Info: EVALB,5080-G.b,EVALBR,sdb,3,1
 Column phase: DB1701

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



Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5482.d
 Report Date: 20-Aug-2000 13:47

STL - Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5482.d
 Lab Smp Id: MEDA
 Inj Date : 18-AUG-2000 18:42
 Operator : 1891
 Smp Info : MEDA,5080-G.b,,INDA.sub,,2,3
 Misc Info : 190-84-3
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc
 Cal Date : 08-AUG-2000 01:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC043

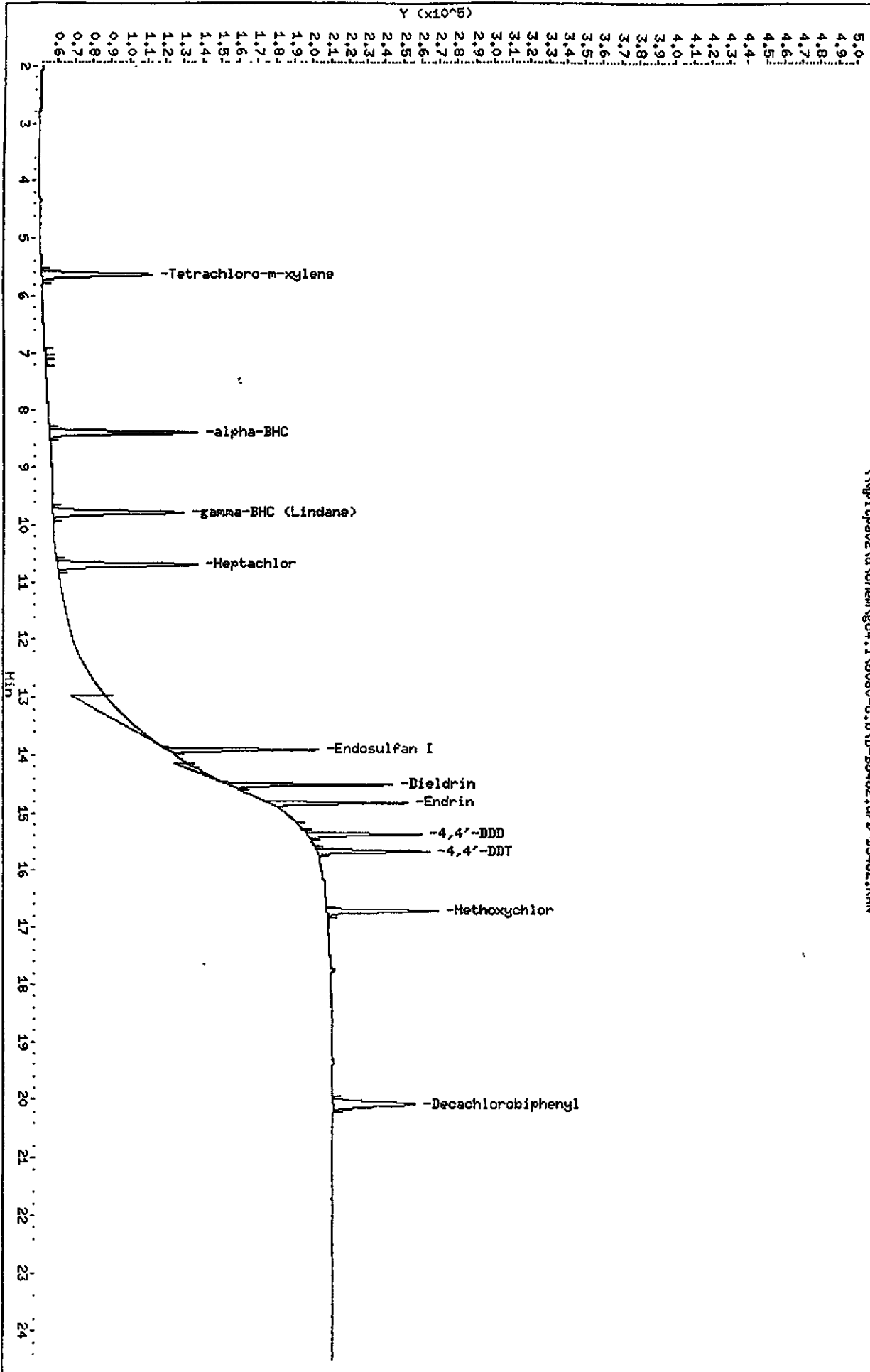
Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-B5173.d
 Continuing Calibration Sample
 Compound Sublist: INDA.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	8.640	8.640	0.000	60045	0.02500	0.02626
5 alpha-BHC	8.393	8.406	-0.013	80768	0.02500	0.02636
6 gamma-BHC (Lindane)	9.780	9.793	-0.013	71128	0.02500	0.02682
10 Heptachlor	10.700	10.713	-0.013	76121	0.02500	0.02589
15 Endosulfan I	13.913	13.920	-0.007	82810	0.02500	0.02591
17 Dieldrin	14.513	14.520	-0.007	89602	0.02500	0.02639
20 Endrin	14.826	14.833	-0.007	76172	0.02500	0.02409
21 4,4'-DDD	15.373	15.386	-0.013	62834	0.02500	0.02556
23 4,4'-DDT	15.673	15.680	-0.007	61551	0.02500	0.02477
25 Methoxychlor	16.713	16.726	-0.013	60725	0.05000	0.05200
\$ 30 Decachlorobiphenyl	20.080	20.093	-0.013	45262	0.02500	0.02676

Data File: \\ppltpa02\chem\g04.1\5080-G.b.D-B5482.d
Date: 18-AUG-2000 18:42
Client ID:
Sample Info: MEDA,5080-G.b.,INDA.sub.,2,3
Column phase: DB1701

Instrument: g04.1
Operator: 1894
Column diameter: 0.53

\\ppltpa02\chem\g04.1\5080-G.b.D-B5482.d/D-B5482.RAW



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5483.d
 Report Date: 20-Aug-2000 13:47

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5483.d
 Lab Smp Id: MEDB
 Inj Date : 18-AUG-2000 19:10
 Operator : 1891
 Smp Info : MEDB,5080-G.b,,INDB.sub,,2,3
 Misc Info : 190-84-9
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc
 Cal Date : 08-AUG-2000 01:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC043

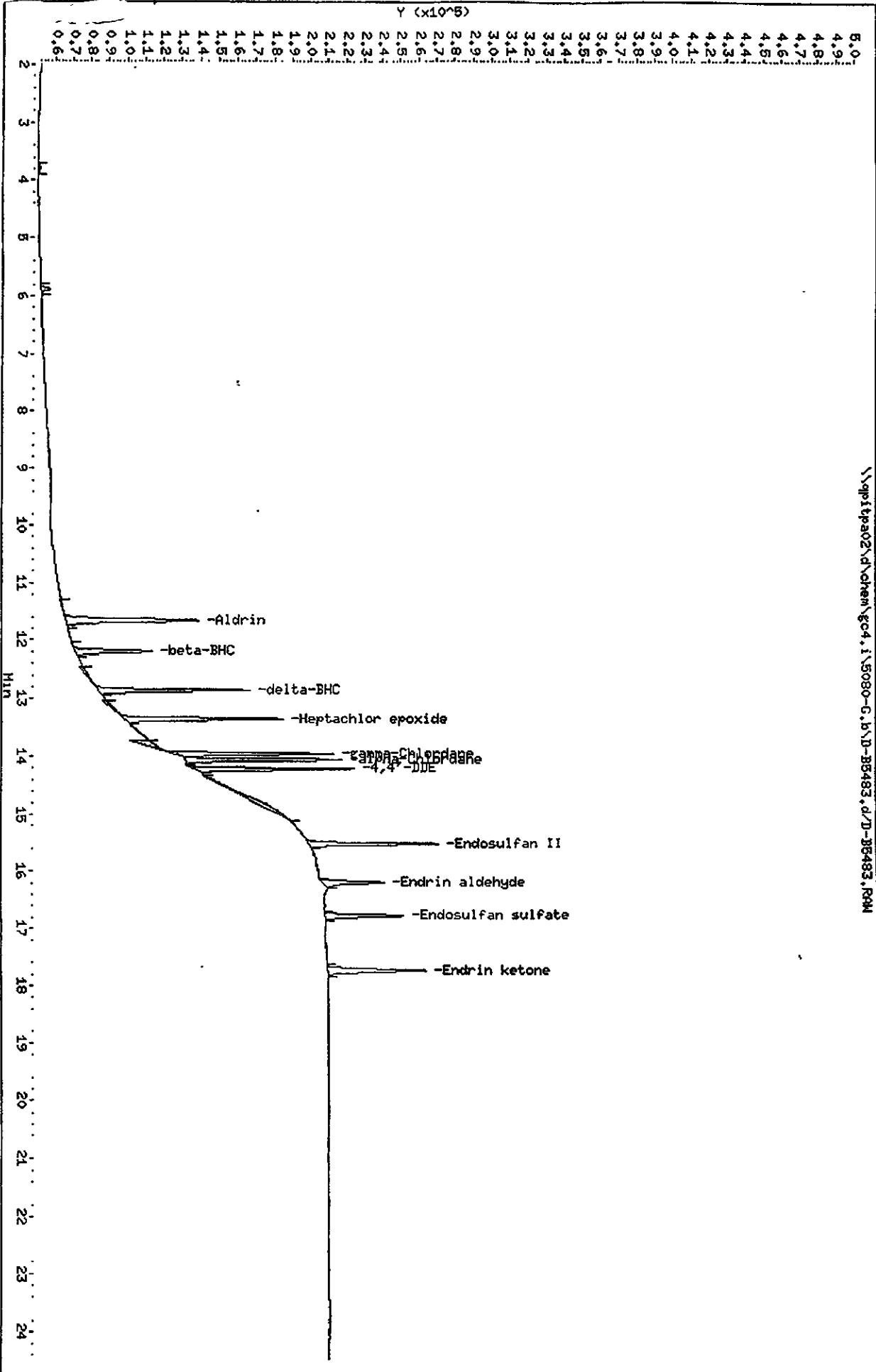
Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-B5173.d
 Continuing Calibration Sample
 Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.666	11.680	-0.014	72762	0.02500	0.02555
7 beta-BHC	12.200	12.220	-0.020	42216	0.02500	0.02539
8 delta-BHC	12.866	12.886	-0.020	82926	0.02500	0.02414
12 Heptachlor epoxide	13.366	13.373	-0.007	86728	0.02500	0.02617
13 gamma-Chlordane	13.973	13.980	-0.007	86583	0.02500	0.02552
14 alpha-Chlordane	14.073	14.080	-0.007	86061	0.02500	0.02602
16 4,4'-DDE	14.226	14.233	-0.007	87879	0.02500	0.02609
22 Endosulfan II	15.526	15.540	-0.014	70995	0.02500	0.02480
24 Endrin aldehyde	16.200	16.213	-0.013	34112	0.02500	0.02545
26 Endosulfan sulfate	16.786	16.800	-0.014	43524	0.02500	0.02485
27 Endrin ketone	17.753	17.773	-0.020	54051	0.02500	0.02618

668 540

Data File: \\ppltpa02\chem\gc4.i\5080-G.b.D-B5483.d
 Date: 18-AUG-2000 19:10
 Client ID:
 Sample Info: MEDB,5080-G.b.,INDB,sub,,2,3
 Column phase: DB1701

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



Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5484.d
 Report Date: 20-Aug-2000 13:47

STL - Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5484.d
 Lab Smp Id: EVALB
 Inj Date : 18-AUG-2000 19:38
 Operator : 1891 Inst ID: gc4.i
 Smp Info : EVALB,5080-G.b,,EVALBR.sub,,3,1
 Misc Info : 190-88-8
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 QC Sample: PEM
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: EVALBR.sub
 Target Version: 4.04
 Processing Host: PITPC043

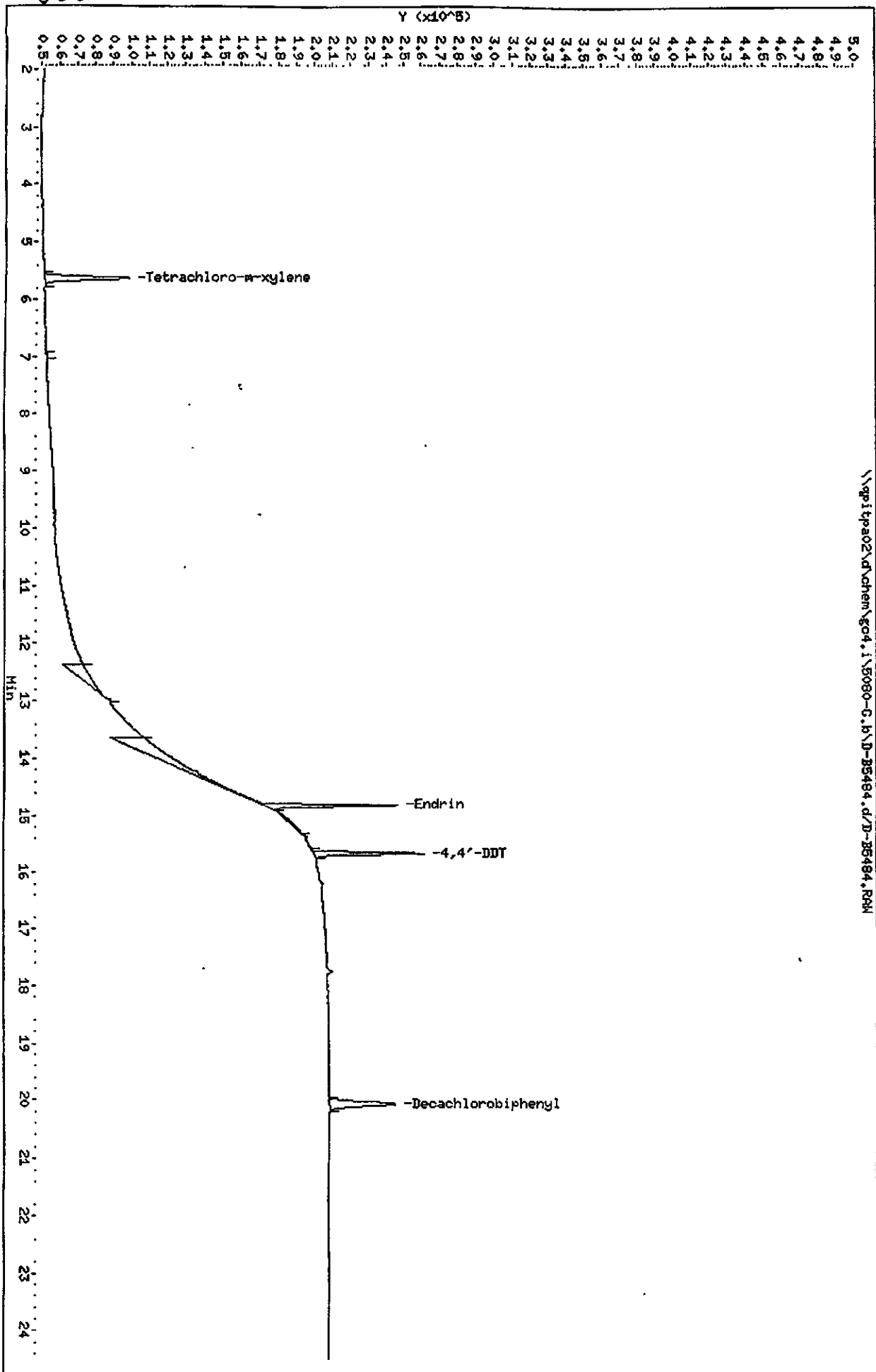
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.633	5.640	-0.007	47811	0.02091	0.02091(R)
16 4,4'-DDE	Compound Not Detected.					
20 Endrin	14.826	14.833	-0.007	73199	0.02315	0.02315
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.673	15.680	-0.007	61084	0.02458	0.02458
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.080	20.093	-0.013	36177	0.02139	0.02139(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\ppitpa02\ndohen\gc04.i\5080-G.b\B-35484.d
Date : 18-AUG-2000 19:38
Client ID:
Sample Info: EVALB,5080-G.b,EVALBR,sub,,3,1
Column phase: DB1701

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



Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5507.d
 Report Date: 20-Aug-2000 13:50

STL - Pittsburgh

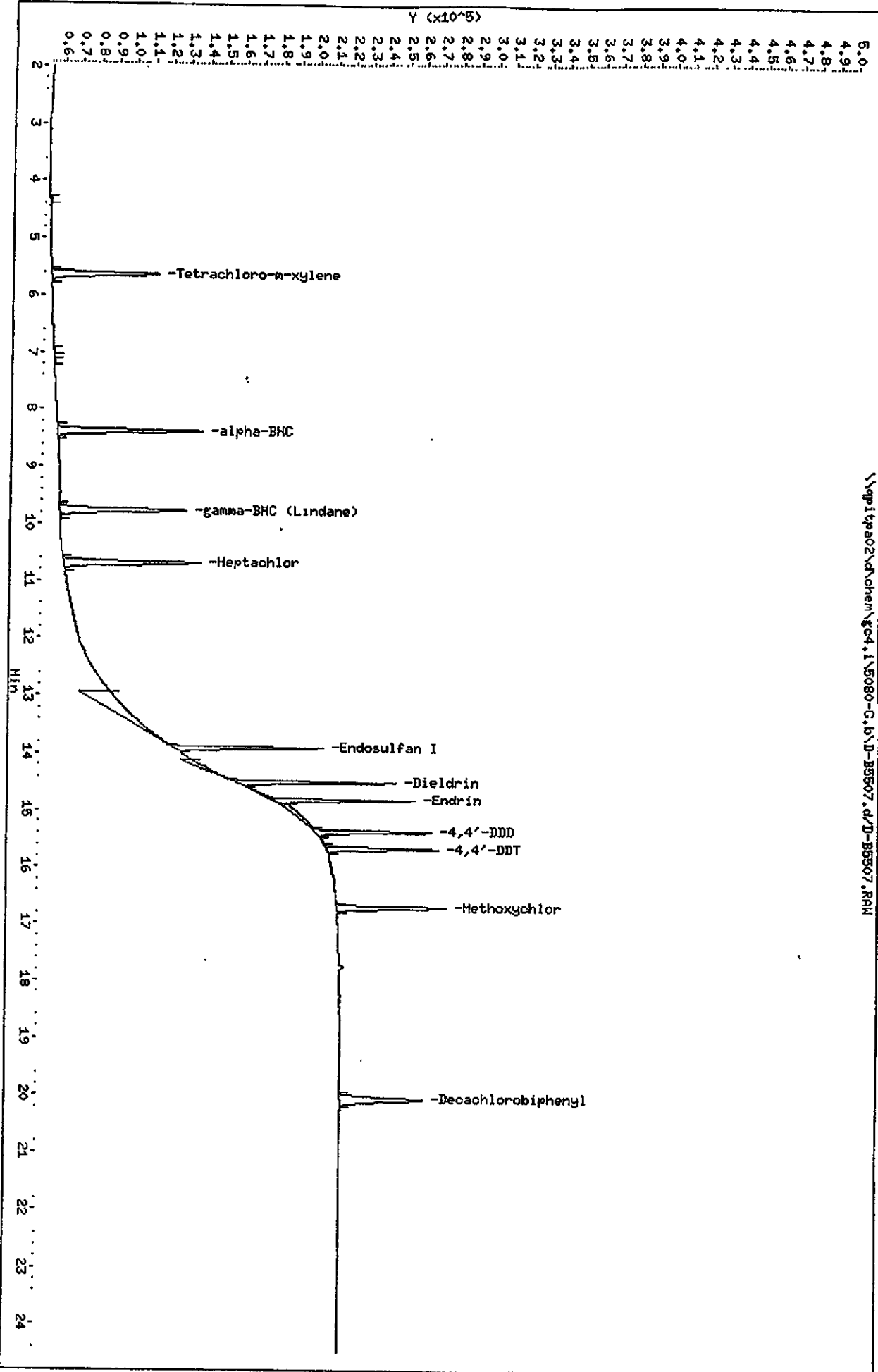
Data file : \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5507.d
 Lab Smp Id: MEDA
 Inj Date : 19-AUG-2000 06:15
 Operator : 1891
 Smp Info : MEDA,5080-G.b,,INDA.sub,,2,3
 Misc Info : 190-84-3
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc
 Cal Date : 08-AUG-2000 01:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC043

Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-B5173.d
 Continuing Calibration Sample
 Compound Sublist: INDA.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
\$ 1 Tetrachloro-m-xylene	5.633	5.640	-0.007	59550	0.02500	0.02605
5 alpha-BHC	8.386	8.406	-0.020	80124	0.02500	0.02615
6 gamma-BHC (Lindane)	9.773	9.793	-0.020	69691	0.02500	0.02628
10 Heptachlor	10.700	10.713	-0.013	75062	0.02500	0.02553
15 Endosulfan I	13.913	13.920	-0.007	82525	0.02500	0.02582
17 Dieldrin	14.513	14.520	-0.007	88069	0.02500	0.02594
20 Endrin	14.826	14.833	-0.007	78809	0.02500	0.02492
21 4,4'-DDD	15.373	15.386	-0.013	64545	0.02500	0.02625
23 4,4'-DDT	15.666	15.680	-0.014	61793	0.02500	0.02487
25 Methoxychlor	16.706	16.726	-0.020	59942	0.05000	0.05133
\$ 30 Decachlorobiphenyl	20.073	20.093	-0.020	45466	0.02500	0.02688

Data File: \\vpi\pao2\chem\gc4.1\5080-G.b\D-B5507.d
Date : 19-AUG-2000 06:15
Client ID:
Sample Info: HEDA,5080-G.b,INDA,sub,,2,3
Column phase: DB1701

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



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5508.d
 Report Date: 20-Aug-2000 13:50

STL - Pittsburgh

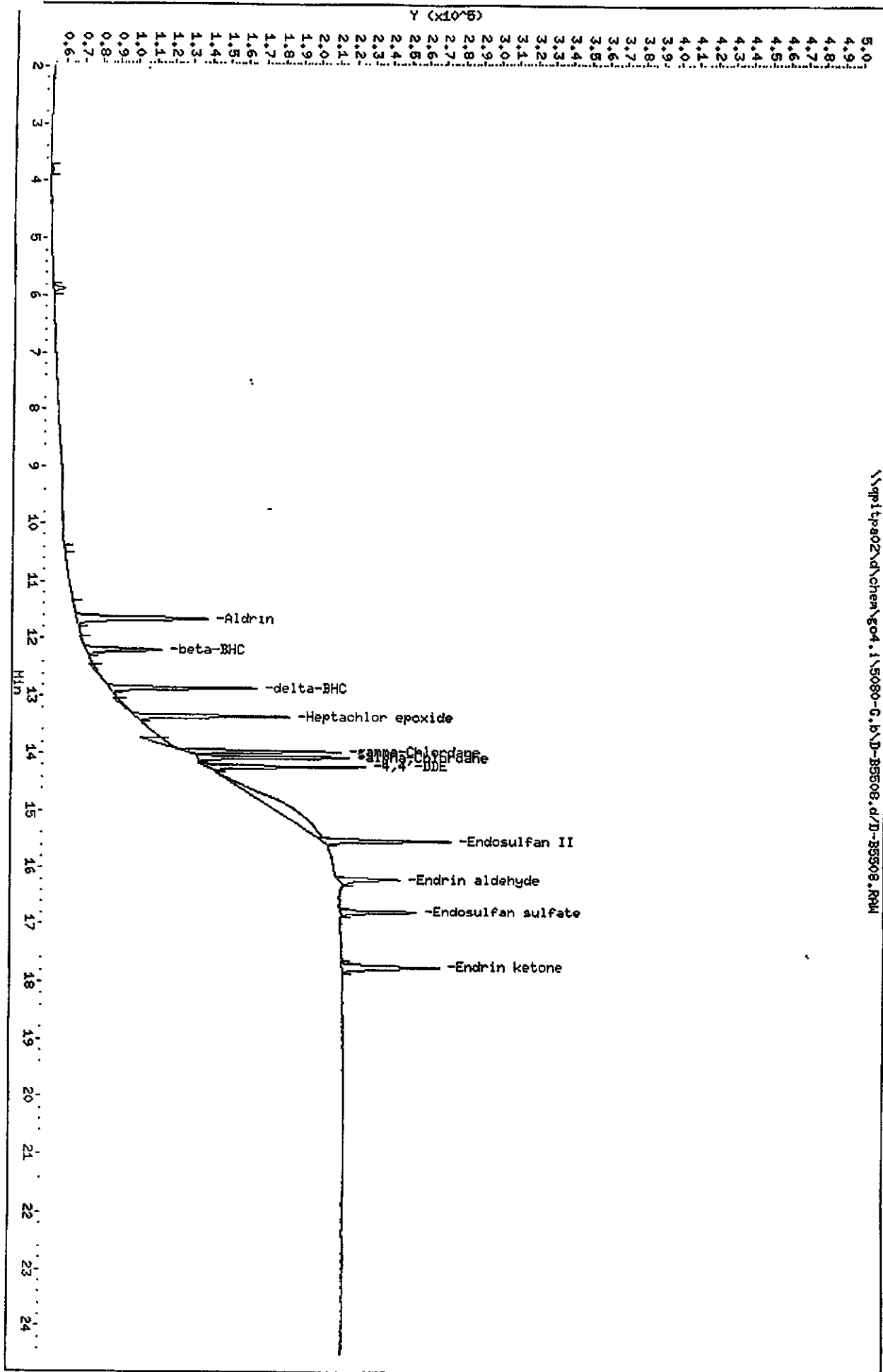
Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5508.d
 Lab Smp Id: MEDB
 Inj Date : 19-AUG-2000 06:43
 Operator : 1891
 Smp Info : MEDB, 5080-G.b, , INDB.sub, , 2, 3
 Misc Info : 190-84-9
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc
 Cal Date : 08-AUG-2000 01:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC043

Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-B5173.d
 Continuing Calibration Sample
 Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.666	11.680	-0.014	71840	0.02500	0.02522
7 beta-BHC	12.200	12.220	-0.020	41308	0.02500	0.02484
8 delta-BHC	12.866	12.886	-0.020	80269	0.02500	0.02336
12 Heptachlor epoxide	13.366	13.373	-0.007	83857	0.02500	0.02531
13 gamma-Chlordane	13.973	13.980	-0.007	84241	0.02500	0.02483
14 alpha-Chlordane	14.073	14.080	-0.007	83188	0.02500	0.02515
16 4,4'-DDE	14.226	14.233	-0.007	87250	0.02500	0.02590
22 Endosulfan II	15.526	15.540	-0.014	70690	0.02500	0.02469
24 Endrin aldehyde	16.193	16.213	-0.020	34216	0.02500	0.02552
26 Endosulfan sulfate	16.780	16.800	-0.020	42291	0.02500	0.02414
27 Endrin ketone	17.746	17.773	-0.027	53713	0.02500	0.02602

Data File: \\p1tpa02\chem\gc4.1\5080-G.b\11-85508.d
Date: 19-AUG-2000 06:43
Client ID:
Sample Info: MEED,5080-G.b, INDB,sub,2,3
Column phase: DB1701

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



Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5545.d
 Report Date: 28-Aug-2000 10:43

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5545.d
 Lab Smp Id: EVALB
 Inj Date : 23-AUG-2000 09:30
 Operator : 1891 Inst ID: gc4.i
 Smp Info : EVALB,5280-G.b,,EVALBR.sub,,3,1
 Misc Info : 190-88-8
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 QC Sample: PEM
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: EVALBR.sub
 Target Version: 4.04
 Processing Host: PITPC043

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ng)
\$ 1 Tetrachloro-m-xylene	5.633	5.633	0.000	50750	0.02220	0.02220(R)
16 4,4'-DDB	14.226	14.220	0.006	1744	<0.0	0.0005178
20 Endrin	14.820	14.820	0.000	71266	0.02254	0.02254
21 4,4'-DDD	Compound Not Detected.					
23 4,4'-DDT	15.660	15.660	0.000	59511	0.02395	0.02395
24 Endrin aldehyde	Compound Not Detected.					
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	20.060	20.060	0.000	36326	0.02148	0.02148(R)

QC Flag Legend

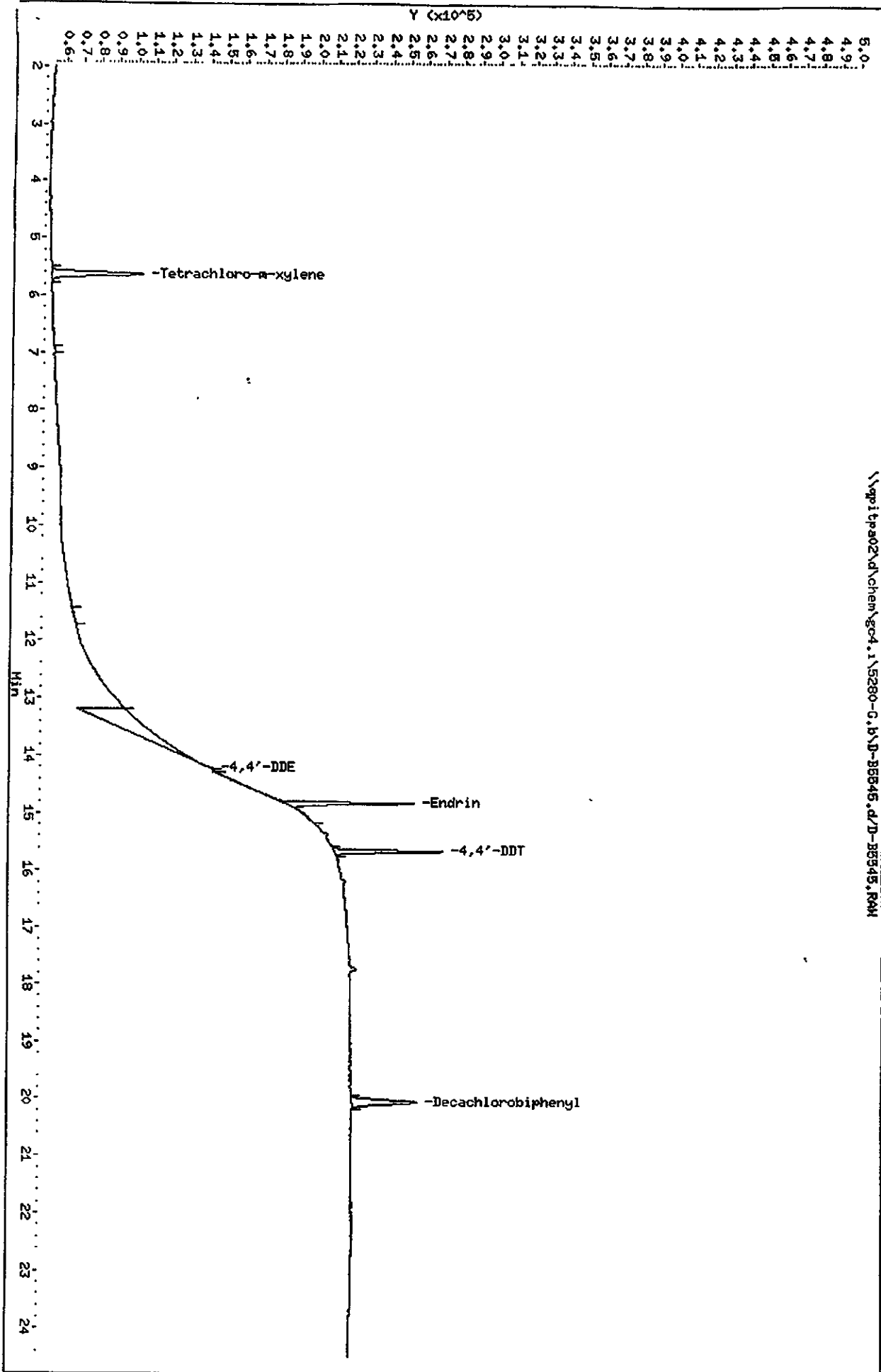
R - Spike/Surrogate failed recovery limits.

-- DDT = 2.8
 Endrin = 0

668 548

Data File: \\vpitpa02\chem\g04.1\5280-G.b\1-D-85545.d
Date: 23-AUG-2000 09:30
Client ID:
Sample Info: EVALB,5280-G.b,EVALBR,sub,3.1
Column phase: DB1701

Instrument: g04.1
Operator: 1891
Column diameter: 0.53



Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5546.d
 Report Date: 28-Aug-2000 10:44

STL - Pittsburgh

Data file : \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5546.d
 Lab Smp Id: MEDTOX
 Inj Date : 23-AUG-2000 09:58
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDTOX,5280-G.b,,1-TOX.sub,,2,3
 Misc Info : 190-98-12
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1-TOX.sub
 Target Version: 4.04
 Processing Host: PITPC043

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
18 Toxaphene	15.253	15.253	0.000	41452	1.00000	1.046 (M)
\$ 1 Tetrachloro-m-xylene	5.633	5.633	0.000	60807	0.02500	0.02660
\$ 30 Decachlorobiphenyl	20.060	20.060	0.000	44192	0.02500	0.02613

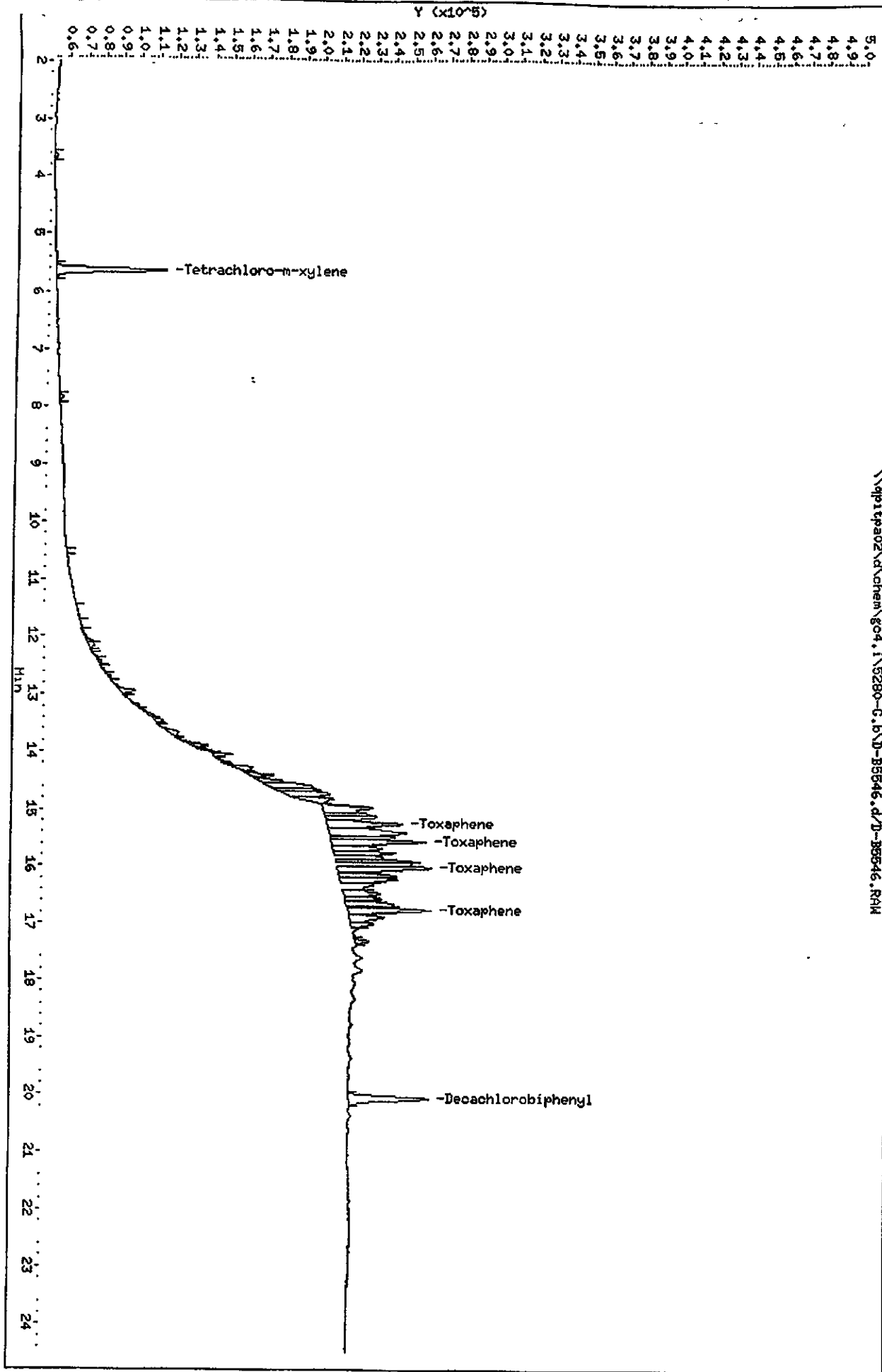
QC Flag Legend

M - Compound response manually integrated.

668 550

Data File: \\ppitpa02\chem\gc04.i\5280-G.b.D-B5546.d
 Date: 23-AUG-2000 09:58
 Client ID:
 Sample Info: MEDTOX,5280-G.b.,1-TOX.sub.,2,3
 Column phase: DB1701

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



Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5547.d
 Report Date: 28-Aug-2000 10:44

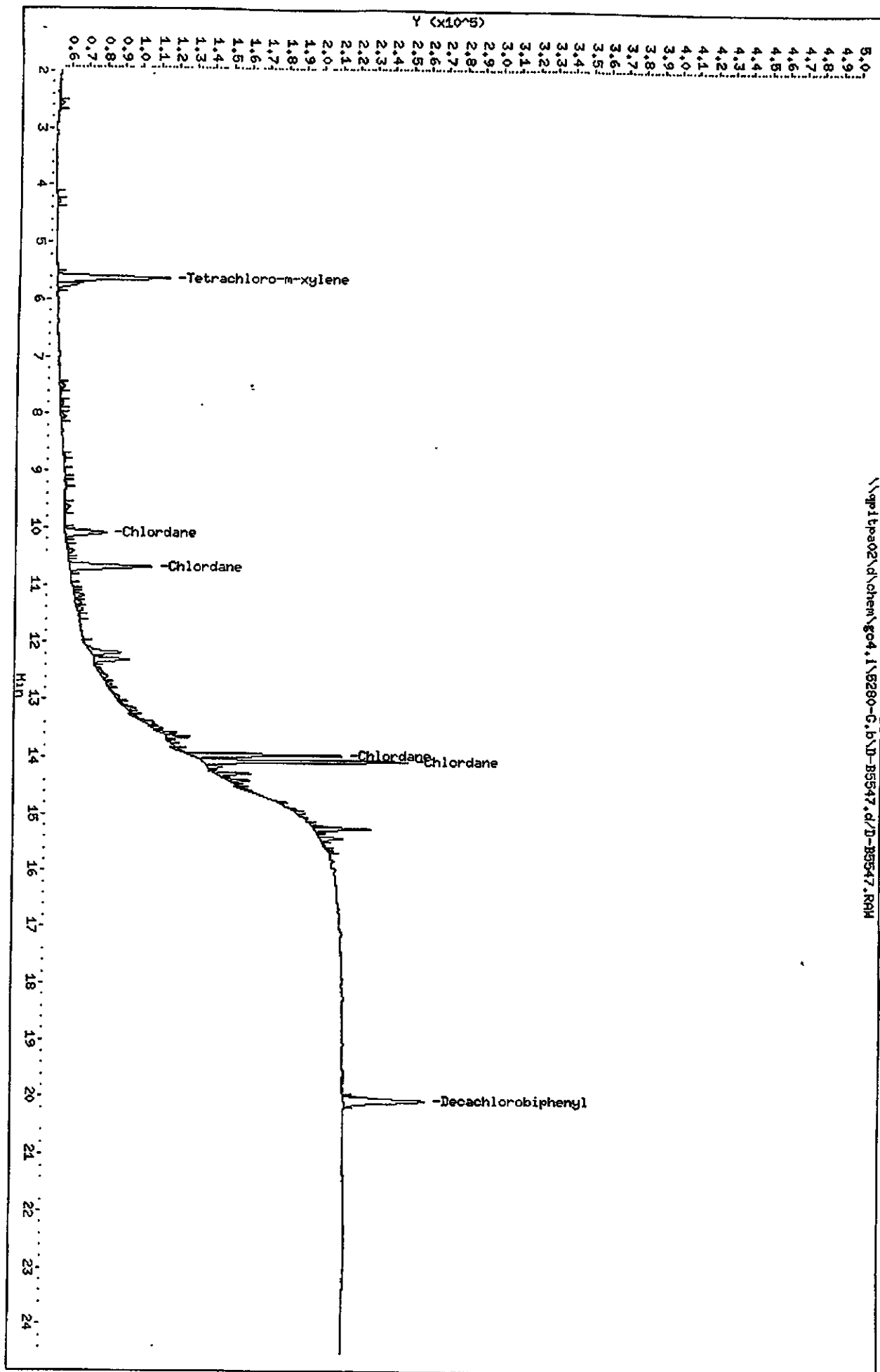
STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5547.d
 Lab Smp Id: MEDCHLOR
 Inj Date : 23-AUG-2000 10:26
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDCHLOR, 5280-G.b, , 2-CHLO.sub, , 2, 3
 Misc Info : 190-85-10
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2-CHLO.sub
 Target Version: 4.04
 Processing Host: PITPC043

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
9 Chlordane	10.093	10.093	0.000	22514	0.25000	0.2737
\$ 1 Tetrachloro-m-xylene	5.633	5.633	0.000	62660	0.02500	0.02741
\$ 30 Decachlorobiphenyl	20.060	20.060	0.000	45109	0.02500	0.02667

Data File: \\pp1tpa02\chem\gc04.1\5280-G.b\D-B5547.d
Date: 23-AUG-2000 10:26
Client ID:
Sample Info: HEDCHLOR, 5280-G.b., 2-CHL.D, sub., 2,3
Column Phase: DB1.704

Instrument: GC4.i
Operator: 1691
Column diameter: 0.53



Data File: \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5548.d
 Report Date: 28-Aug-2000 10:44

STL - Pittsburgh

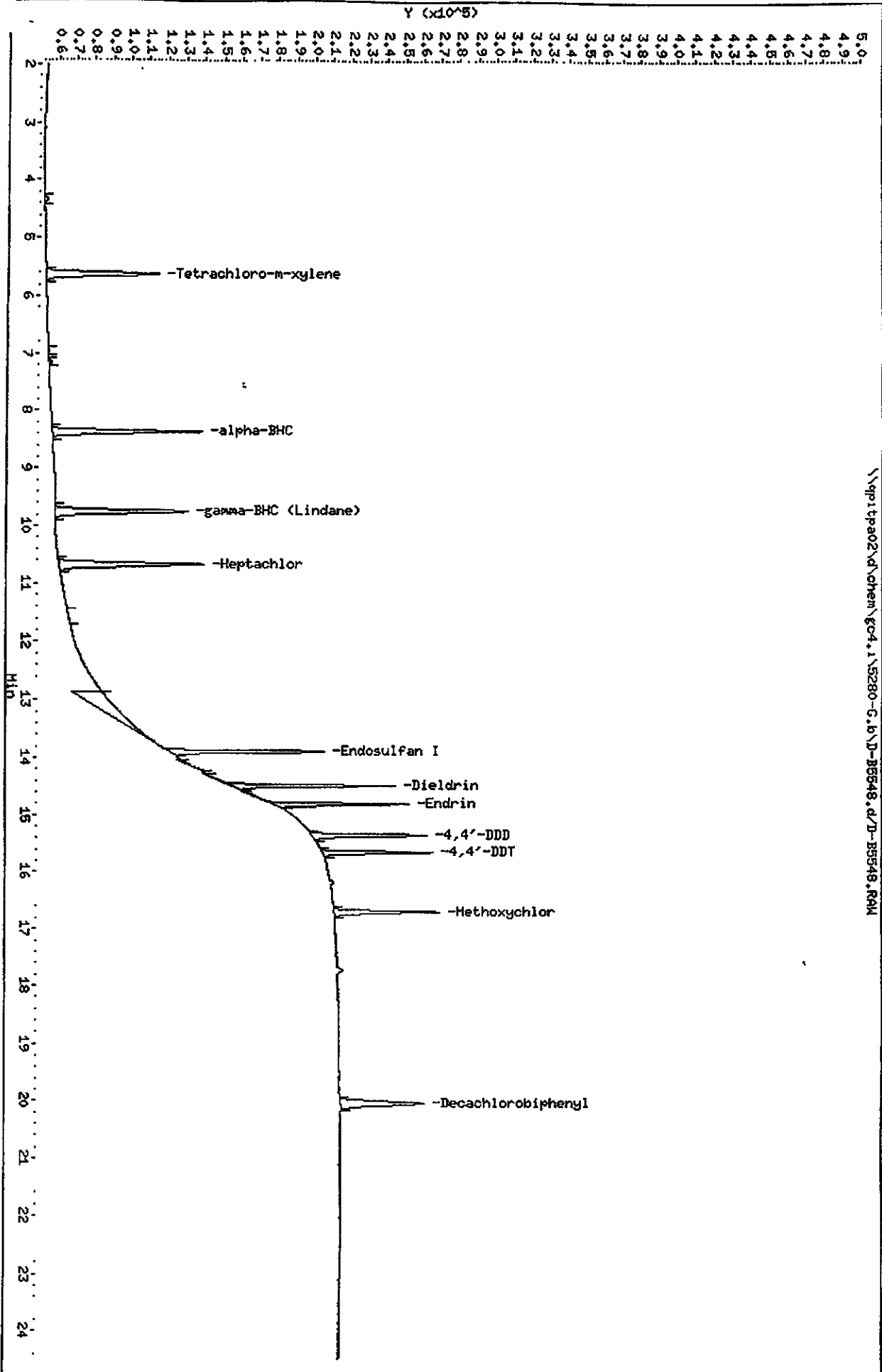
Data file : \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5548.d
 Lab Smp Id: MEDA
 Inj Date : 23-AUG-2000 10:54
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDA,5280-G.b,,3-INDA.sub,,2,3
 Misc Info : 190-84-3
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 3-INDA.sub
 Target Version: 4.04
 Processing Host: PITPC043

AMOUNTS

Compounds	RT	KXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	*****	*****	*****	*****	*****	*****
\$ 1 Tetrachloro-m-xylene	5.633	5.633	0.000	61447	0.02500	0.02688
5 alpha-BHC	8.380	8.380	0.000	81891	0.02500	0.02672
6 gamma-BHC (Lindane)	9.760	9.760	0.000	72343	0.02500	0.02728
10 Heptachlor	10.686	10.686	0.000	78605	0.02500	0.02674
15 Endosulfan I	13.906	13.906	0.000	84828	0.02500	0.02654
17 Dieldrin	14.506	14.506	0.000	89217	0.02500	0.02627
20 Endrin	14.820	14.820	0.000	74594	0.02500	0.02359
21 4,4'-DDD	15.366	15.366	0.000	63094	0.02500	0.02566
23 4,4'-DDT	15.660	15.660	0.000	60369	0.02500	0.02430
25 Methoxychlor	16.700	16.700	0.000	57862	0.05000	0.04955
\$ 30 Decachlorobiphenyl	20.060	20.060	0.000	45554	0.02500	0.02694

Data File: \\pp1tpa02\chem\604.1\5280-G.b\D-B5548.d
Date: 23-AUG-2000 10:54
Client ID:
Sample Info: HEDA,5280-G.b,3-INDA,sub,2,3
Column phase: DB1701

Instrument: 604.1
Operator: 1891
Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5549.d
 Report Date: 28-Aug-2000 10:44

STL - Pittsburgh

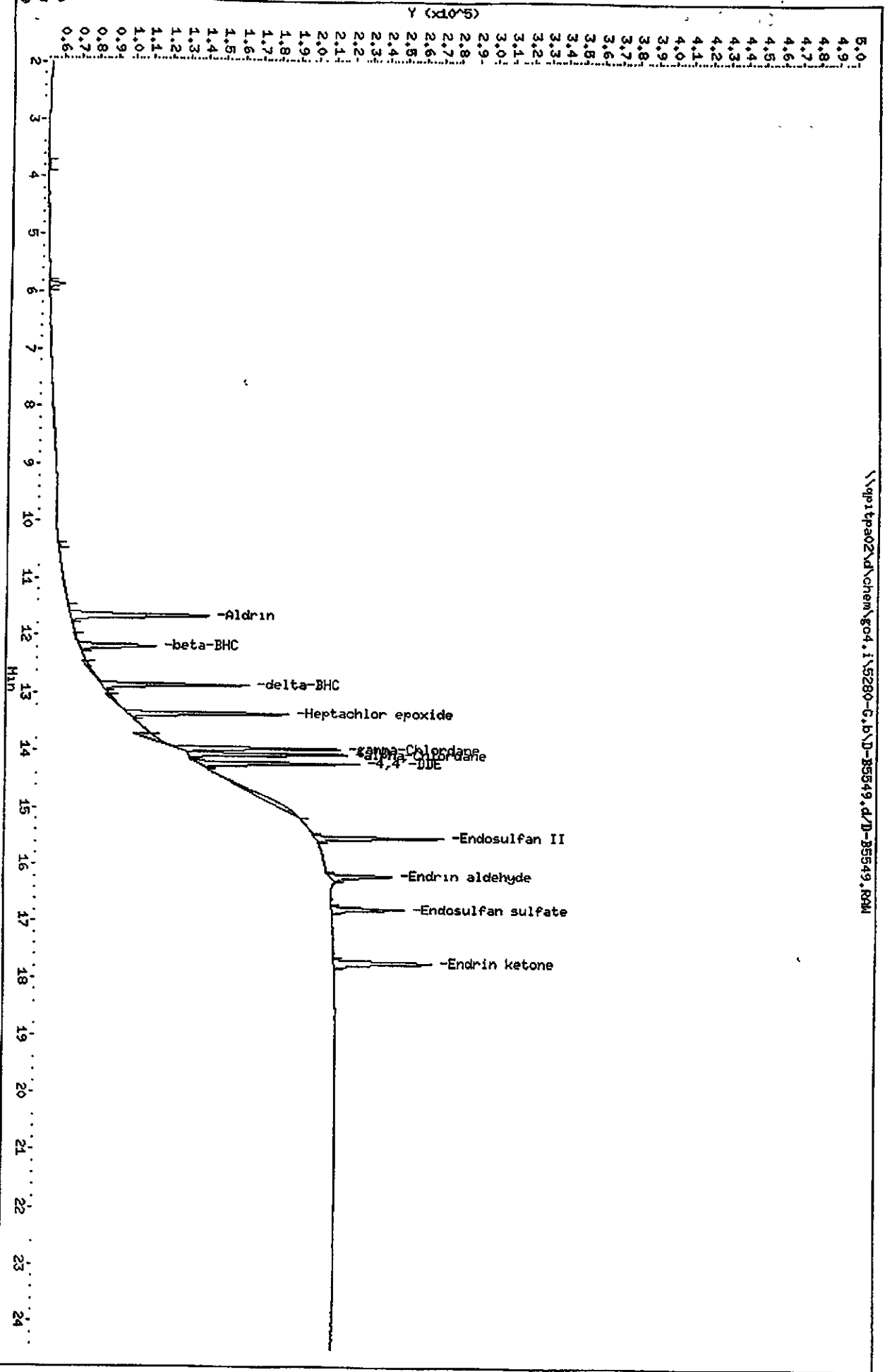
Data file : \\qpitpa02\d\chem\gc4.i\5280-G.b\D-B5549.d
 Lab Smp Id: MEDB
 Inj Date : 23-AUG-2000 11:21
 Operator : 1891 Inst ID: gc4.i
 Smp Info : MEDB,5280-G.b,,4-INDB.sub,,2,3
 Misc Info : 190-84-9
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4-INDB.sub
 Target Version: 4.04
 Processing Host: PITPC043

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
*****	==	=====	=====	=====	=====	=====
11 Aldrin	11.660	11.660	0.000	75995	0.02500	0.02668
7 beta-BHC	12.186	12.186	0.000	42626	0.02500	0.02564
8 delta-BHC	12.860	12.860	0.000	80889	0.02500	0.02355
12 Heptachlor epoxide	13.360	13.360	0.000	88513	0.02500	0.02671
13 gamma-Chlordane	13.966	13.966	0.000	88629	0.02500	0.02613
14 alpha-Chlordane	14.066	14.066	0.000	87157	0.02500	0.02635
16 4,4'-DDE	14.220	14.220	0.000	88951	0.02500	0.02641
22 Endosulfan II	15.520	15.520	0.000	70568	0.02500	0.02465
24 Endrin aldehyde	16.186	16.186	0.000	34457	0.02500	0.02570
26 Endosulfan sulfate	16.773	16.773	0.000	39940	0.02500	0.02280
27 Endrin ketone	17.740	17.740	0.000	53489	0.02500	0.02591

668 556

Data File: \\p1tpa02\chem\g04.1\5280-G.b\D-B5549.d
Date: 23-AUG-2000 11:21
Client ID:
Sample Info: MEUB,5280-G.b,,4-INDB.sub,,2,3
Column phase: DB1701

Instrument: 604.1
Operator: 1891
Column diameter: 0.53



STL - Pittsburgh

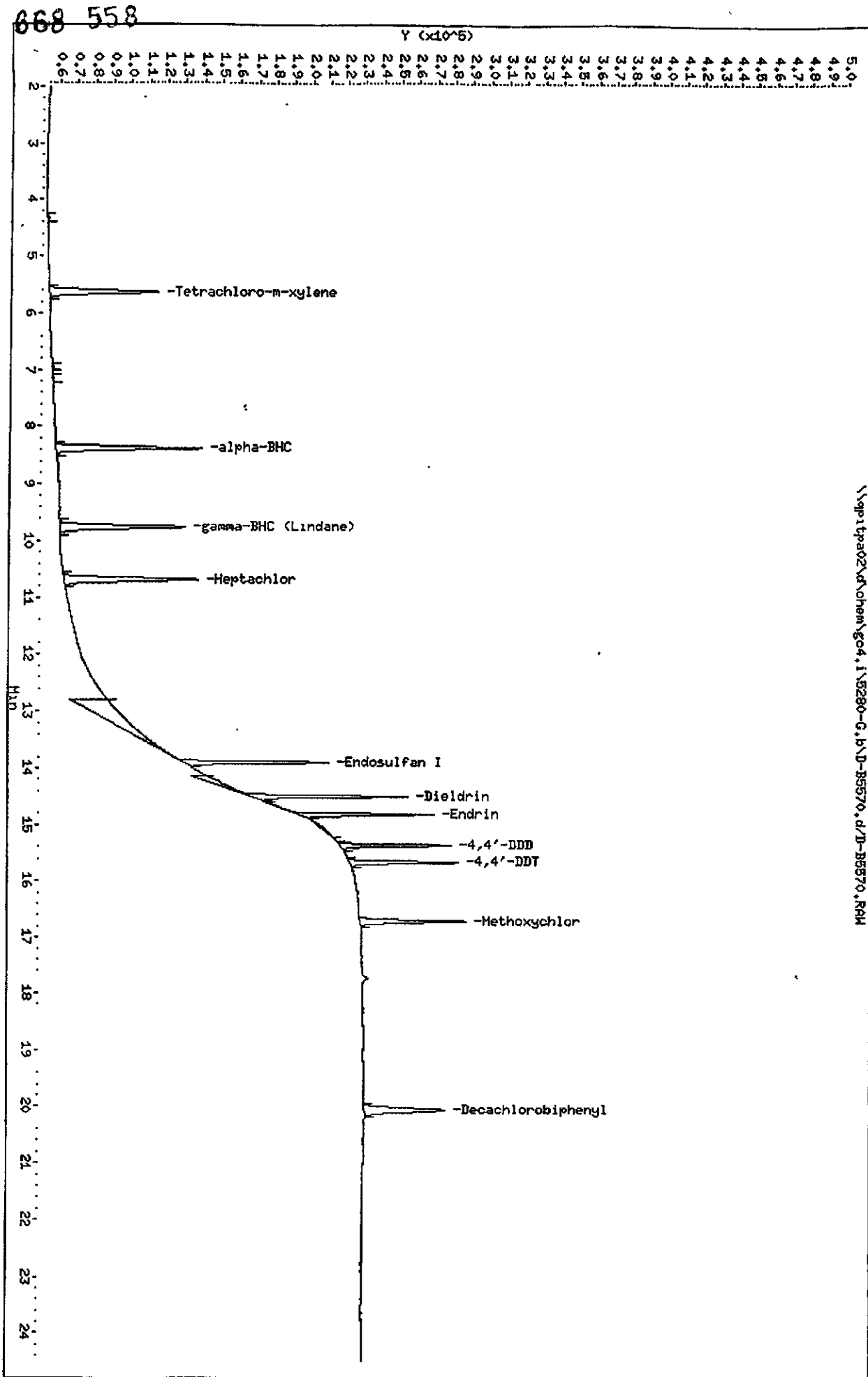
Data file : \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5570.d
 Lab Smp Id: MEDA
 Inj Date : 23-AUG-2000 21:04
 Operator : 1891
 Smp Info : MEDA,5280-G.b,, INDA.sub,,2,3
 Misc Info : 190-84-3
 Comment :
 Method : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
 Meth Date : 28-Aug-2000 10:43 gc
 Cal Date : 08-AUG-2000 01:35
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.04
 Processing Host: PITPC043

Inst ID: gc4.i
 Quant Type: ESTD
 Cal File: D-B5173.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	5.633	5.633	0.000	60373	0.02500	0.02641
5 alpha-BHC	8.380	8.380	0.000	80152	0.02500	0.02616
6 gamma-BHC (Lindane)	9.760	9.760	0.000	69408	0.02500	0.02617
10 Heptachlor	10.686	10.686	0.000	74126	0.02500	0.02521
15 Endosulfan I	13.906	13.906	0.000	80217	0.02500	0.02510
17 Dieldrin	14.506	14.506	0.000	85774	0.02500	0.02526
20 Endrin	14.820	14.820	0.000	74776	0.02500	0.02365
21 4,4'-DDD	15.366	15.366	0.000	61666	0.02500	0.02508
23 4,4'-DDT	15.660	15.660	0.000	60080	0.02500	0.02418
25 Methoxychlor	16.700	16.700	0.000	58449	0.05000	0.05005
\$ 30 Decachlorobiphenyl	20.060	20.060	0.000	44605	0.02500	0.02638

Data File: \\ppitpa02\chem\gc4.1\5280-G.b.D-B5570.d
 Date: 23-AUG-2000 21:04
 Client ID:
 Sample Info: HEDB, 5280-G.b., INDA.sub, 2,3
 Column phase: DB1701

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



STL - Pittsburgh

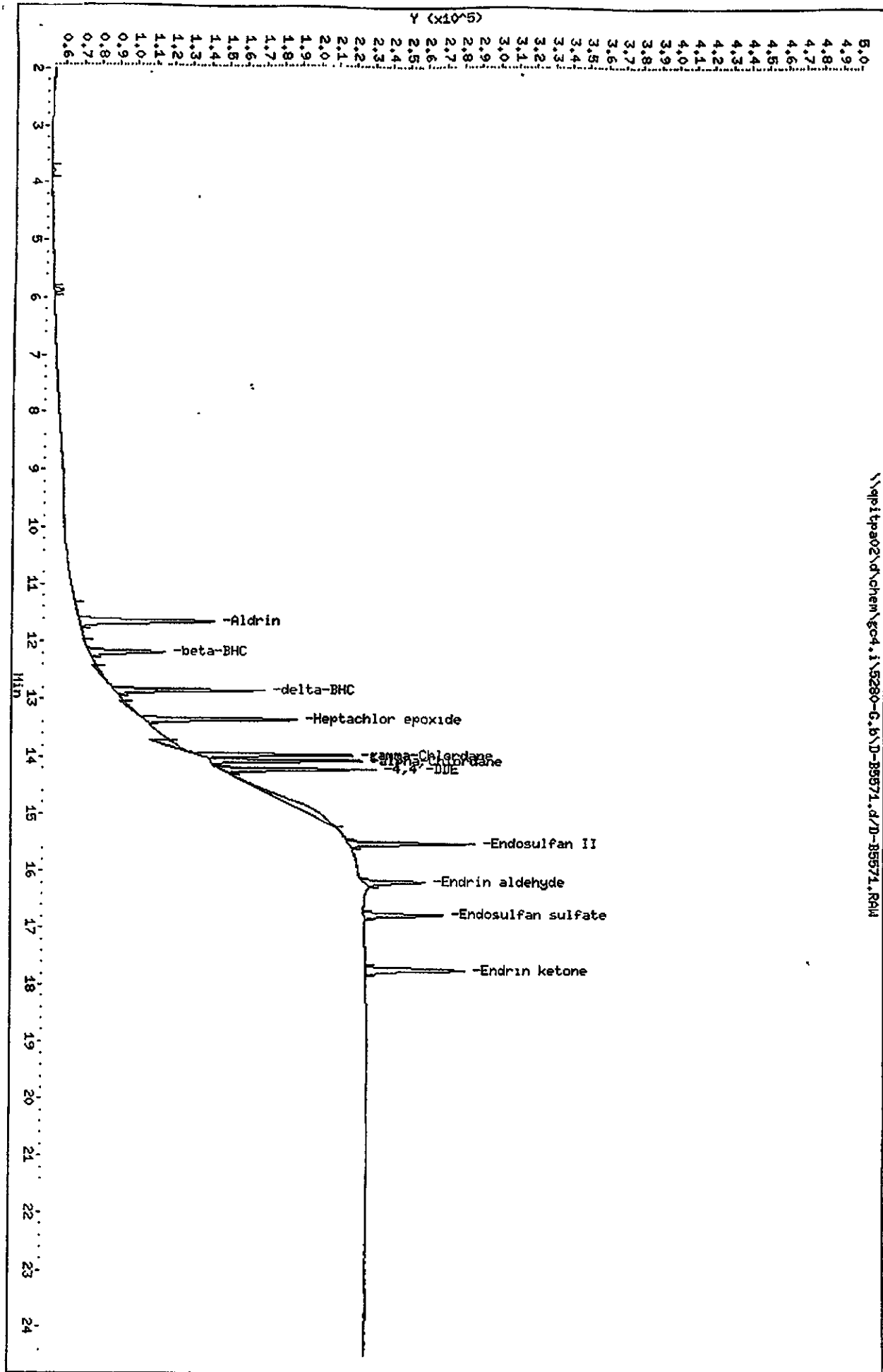
Data file : \\gpitpa02\d\chem\gc4.i\5280-G.b\D-B5571.d
Lab Smp Id: MEDEB
Inj Date : 23-AUG-2000 21:32
Operator : 1891
Smp Info : MEDEB,5280-G.b,,INDB.sub,,2,3
Misc Info : 190-84-9
Comment :
Method : \\gpitpa02\d\chem\gc4.i\5280-G.b\PESTB.m
Meth Date : 28-Aug-2000 10:43 gc
Cal Date : 08-AUG-2000 01:35
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.04
Processing Host: PITPC043

Inst ID: gc4.i
Quant Type: ESTD
Cal File: D-B5173.d
Continuing Calibration Sample
Compound Sublist: INDB.sub

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	==	=====	=====	=====	=====	=====
11 Aldrin	11.660	11.660	0.000	74214	0.02500	0.02606
7 beta-BHC	12.186	12.186	0.000	41009	0.02500	0.02466
8 delta-BHC	12.853	12.860	-0.007	82493	0.02500	0.02401
12 Heptachlor epoxide	13.360	13.360	0.000	83961	0.02500	0.02534
13 gamma-Chlordane	13.966	13.966	0.000	84746	0.02500	0.02498
14 alpha-Chlordane	14.066	14.066	0.000	83488	0.02500	0.02524
16 4,4'-DDE	14.220	14.220	0.000	85494	0.02500	0.02538
22 Endosulfan II	15.513	15.520	-0.007	69221	0.02500	0.02418
24 Endrin aldehyde	16.186	16.186	0.000	33307	0.02500	0.02485
26 Endosulfan sulfate	16.766	16.773	-0.007	43029	0.02500	0.02456
27 Endrin ketone	17.733	17.740	-0.007	53966	0.02500	0.02614

Data File: \\ppitpa02\chem\gc04.1\5280-G.b\D-85571.d
Date: 23-AUG-2000 21:32
Client ID:
Sample Info: MEDB,5280-G.b, INDB,sub,,2,3
Column phase: DB1701

Instrument: GC4.1
Operator: 1891
Column diameter: 0.53



668 561

**PESTICIDE
QC DATA**

UXB INTERNATIONAL
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: COH160000 480

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KC101

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: INTRA-LAB BLANK

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(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	0.050	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

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5498.d
Lab Smp Id: DJ0KC101 Client Smp ID: PBLK9480
Inj Date : 19-AUG-2000 02:06
Operator : 1891 Inst ID: gc4.i
Smp Info : DJ0KC101,5080-G.b,,PEST.sub,,3,
Misc Info : 150146BLK
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC043

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	5.500	5.520	-0.020	55124	0.01893	0.1893
2 Diallate A	6.740	6.766	-0.026	777	0.00668	0.06681(a)
3 Diallate B						
5 alpha-BHC						
6 gamma-BHC (Lindane)						
7 beta-BHC						
9 Chlordane						
10 Heptachlor						
8 delta-BHC						
11 Aldrin						
12 Heptachlor epoxide						
13 gamma-Chlordane						
14 alpha-Chlordane						
15 Endosulfan I						
16 4,4'-DDE						

668 564

Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-A5498.d
 Report Date: 21-Aug-2000 13:53

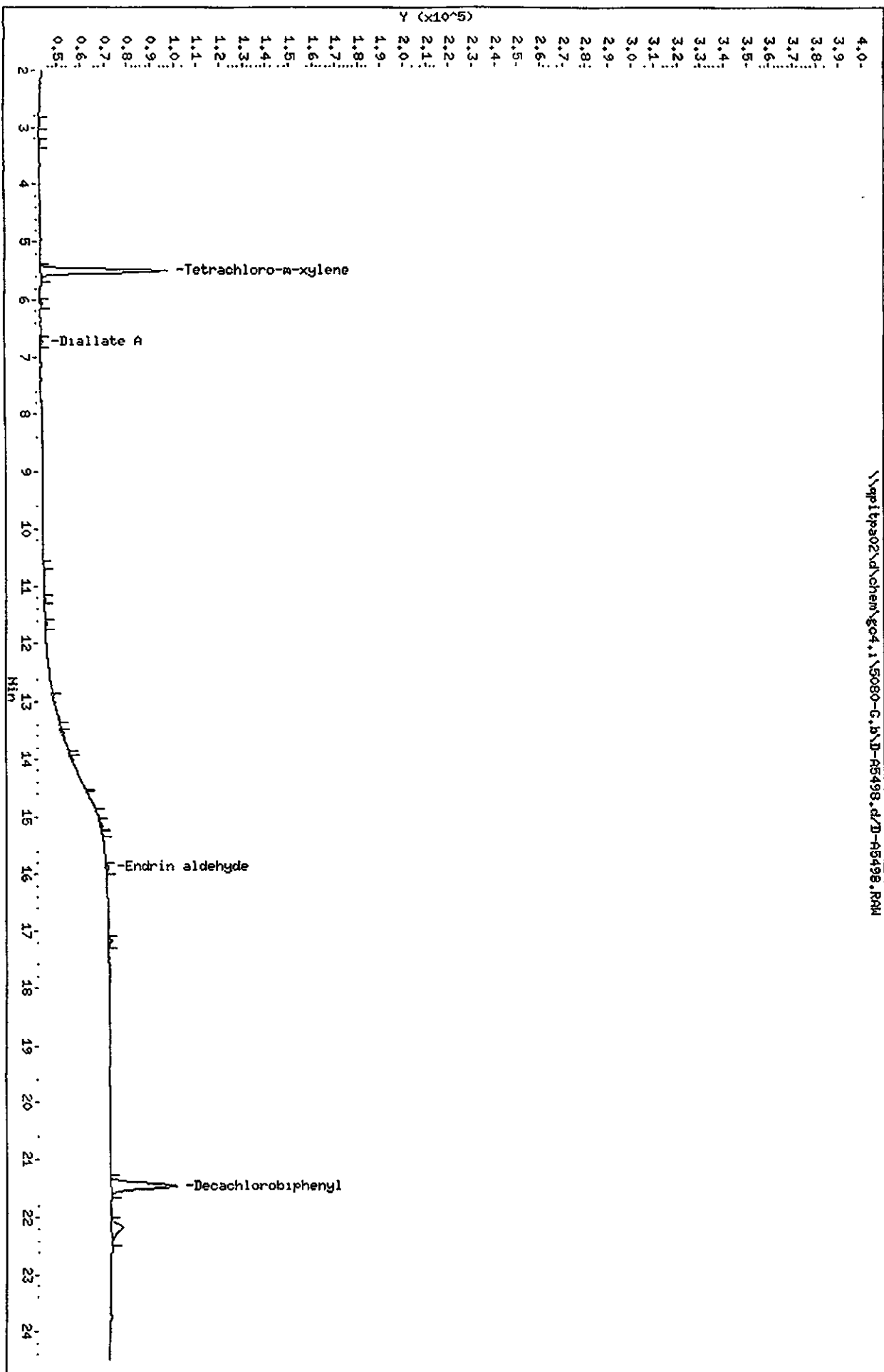
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin				Compound Not Detected.		
20 Endrin				Compound Not Detected.		
29 Kepone				Compound Not Detected.		
21 4,4'-DDD				Compound Not Detected.		
18 Toxaphene				Compound Not Detected.		
22 Endosulfan II				Compound Not Detected.		
23 4,4'-DDT				Compound Not Detected.		
24 Endrin aldehyde	15.866	15.846	0.020	995	<0.0	0.005288(a)
26 Endosulfan sulfate				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
28 MIREX				Compound Not Detected.		
27 Endrin ketone				Compound Not Detected.		
\$ 30 Decachlorobiphenyl	21.466	21.460	0.006	28576	0.02018	0.2018

QC Flag Legend

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

Data File: \\pittpa02\chem\gc4.1\5080-G.b.D-85498.d
Date: 19-AUG-2000 02:06
Client ID: PLK9480
Sample Info: D30KCL01, 5080-G.b, PEST, sub, 3,
Volume Injected (uL): 1.0
Column phase: DB608

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



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5498.d
 Report Date: 20-Aug-2000 13:49

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5498.d
 Lab Smp Id: DJ0KC101 Client Smp ID: PBLK9480
 Inj Date : 19-AUG-2000 02:06
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DJ0KC101,5080-G.b,,PEST.sub,,3,
 Misc Info : 150146BLK
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC043

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

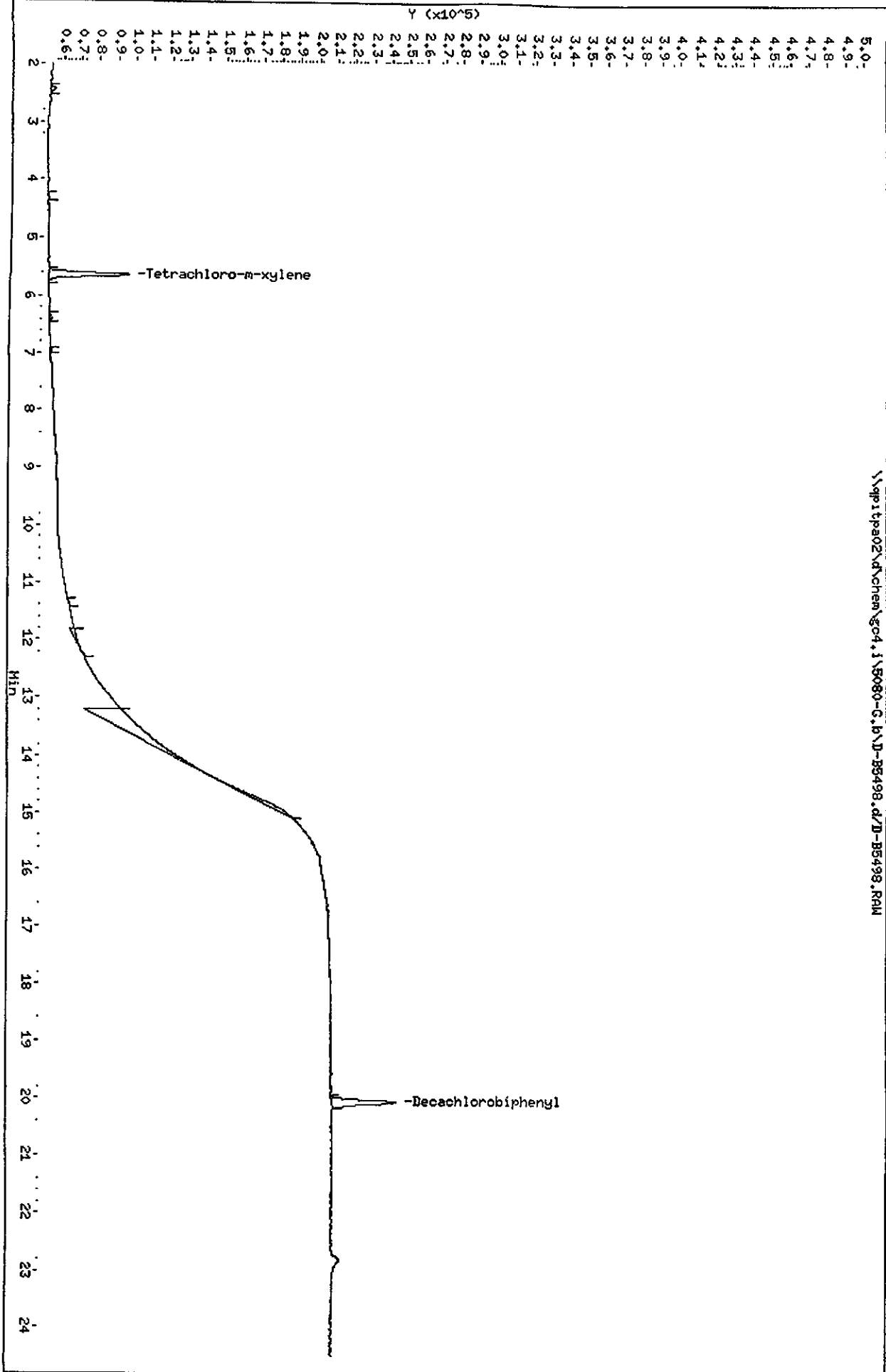
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
\$ 1 Tetrachloro-m-xylene	5.633	5.640	-0.007	43595	0.01907	0.1907
5 alpha-BHC				Compound Not Detected		
6 gamma-BHC (Lindane)				Compound Not Detected		
9 Chlordane				Compound Not Detected.		
10 Heptachlor				Compound Not Detected.		
11 Aldrin				Compound Not Detected.		
7 beta-BHC				Compound Not Detected.		
8 delta-BHC				Compound Not Detected.		
12 Heptachlor epoxide				Compound Not Detected		
15 Endosulfan I				Compound Not Detected		
13 gamma-Chlordane				Compound Not Detected.		
14 alpha-Chlordane				Compound Not Detected		
16 4,4'-DDE				Compound Not Detected		
17 Dieldrin				Compound Not Detected		
20 Endrin				Compound Not Detected.		

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5498.d
Report Date: 20-Aug-2000 13:49

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
18 Toxaphene				Compound Not Detected		
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.		
25 Methoxychlor				Compound Not Detected.		
26 Endosulfan sulfate				Compound Not Detected		
58 MIREX				Compound Not Detected.		
29 Kepone				Compound Not Detected		
27 Endrin ketone				Compound Not Detected.		
\$ 30 Decachlorobiphenyl	20.073	20.093	-0.020	35311	0 02088	0.2088

Data File: \\pp1tpa02\\chem\\sc4.1\\5080-G.b\\D-B5498.d
Date: 19-AUG-2000 02:06
Client ID: PMLV9190
Sample Info: DIOKCI01,5080-G.b,,PEST,sub,,3,
Volume Injected (ul): 1.0
Column phase: DB1701

Instrument: GC1.1
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: COH160000 480

Method: SW846 8081A

Pesticides (8081A)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DJ0KC102

Date Extracted: 08/16/00

Dilution factor: 1

Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
309-00-2	Aldrin	0.222	
58-89-9	gamma-BHC (Lindane)	0.227	
50-29-3	4,4'-DDT	0.478	
60-57-1	Dieldrin	0.465	
72-20-8	Endrin	0.433	
76-44-8	Heptachlor	0.228	

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5499.d
 Report Date: 21-Aug-2000 13:54

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5499.d
 Lab Smp Id: DJ0KC102 Client Smp ID: LCS9480
 Inj Date : 19-AUG-2000 02:33
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DJ0KC102,5080-G.b,,PEST.sub,,3,
 Misc Info : 150146LCS
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC043

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	5.506	5.520	-0.014	53583	0.01840	0.1840
2 Diallylate A	6.740	6.766	-0.026	733	0.00630	0.06303(a)
3 Diallylate B				Compound Not Detected.		
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)	9.140	9.166	-0.026	70942	0.02266	0.2266
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor	10.400	10.433	-0.033	57161	0.02278	0.2278
8 delta-BHC				Compound Not Detected.		
11 Aldrin	11.580	11.606	-0.026	53405	0.02223	0.2223
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	14.280	14.293	-0.013	2360	<0.0	0.008251(a)

Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-A5499.d
 Report Date: 21-Aug-2000 13:54

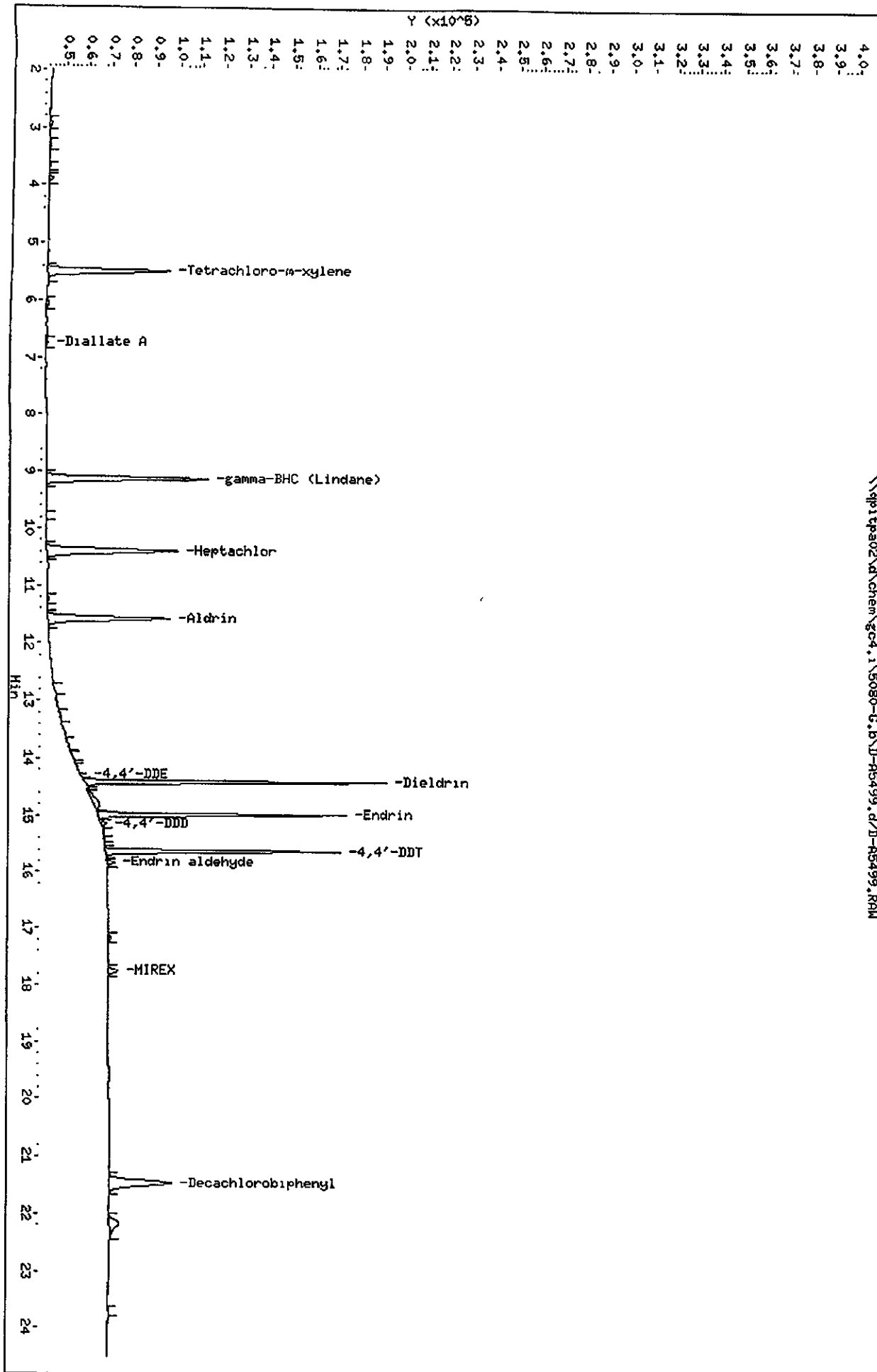
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin	14.413	14.426	-0.013	132332	0.04648	0.4648
20 Endrin	14.986	15.006	-0.020	108675	0.04653	0.4653
29 Kepone	Compound Not Detected.					
21 4,4'-DDD	15.140	15.146	-0.006	1922	<0.0	0.008729(a)
18 Toxaphene	Compound Not Detected.					
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	15.626	15.646	-0.020	102828	0.04985	0.4985
24 Endrin aldehyde	15.833	15.846	-0.013	3251	0.00173	0.01728(a)
26 Endosulfan sulfate	Compound Not Detected.					
25 Methoxychlor	Compound Not Detected.					
28 MIREX	17.766	17.773	-0.007	3793	0.00280	0.02795(a)
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	21.466	21.460	0.006	27612	0.01950	0.1950

QC Flag Legend

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

Data File: \\ppitpa02\chem\gc4.1\5080-G.b.D-A5499.d
 Date: 19-AUG-2000 02:33
 Client ID: LC3350
 Sample Info: DJO6C102,5080-G.b.,PEST,sub,3,
 Volume Injected (uL): 1.0
 Column phase: DB608

Instrument: GC4.1
 Operator: 1891
 Column diameter: 0.53



Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5499.d
 Report Date: 20-Aug-2000 13:49

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5499.d
 Lab Smp Id: DJ0KC102 Client Smp ID: LCS9480
 Inj Date : 19-AUG-2000 02:33
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DJ0KC102,5080-G.b,,PEST.sub,,3,
 Misc Info : 150146LCS
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
 Meth Date : 20-Aug-2000 13:36 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC043

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	42744	0.01870	0.1870
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	9.780	9.793	-0.013	60973	0.02299	0.2299
9 Chlordane	Compound Not Detected.					
10 Heptachlor	10.700	10.713	-0.013	67664	0.02302	0.2302
11 Aldrin	11.666	11.680	-0.014	65936	0.02315	0.2315
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
12 Heptachlor epoxide	Compound Not Detected.					
15 Endosulfan I	Compound Not Detected.					
13 gamma-Chlordane	Compound Not Detected.					
14 alpha-Chlordane	Compound Not Detected.					
16 4,4'-DDE	14.233	14.233	0.000	2671	<0.0	0.007930 (a)
17 Dieldrin	14.506	14.520	-0.014	162933	0.04798	0.4798
20 Endrin	14.826	14.833	-0.007	136953	0.04331	0.4331
18 Toxaphene	Compound Not Detected.					

668,574

Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5499.d
 Report Date: 20-Aug-2000 13:49

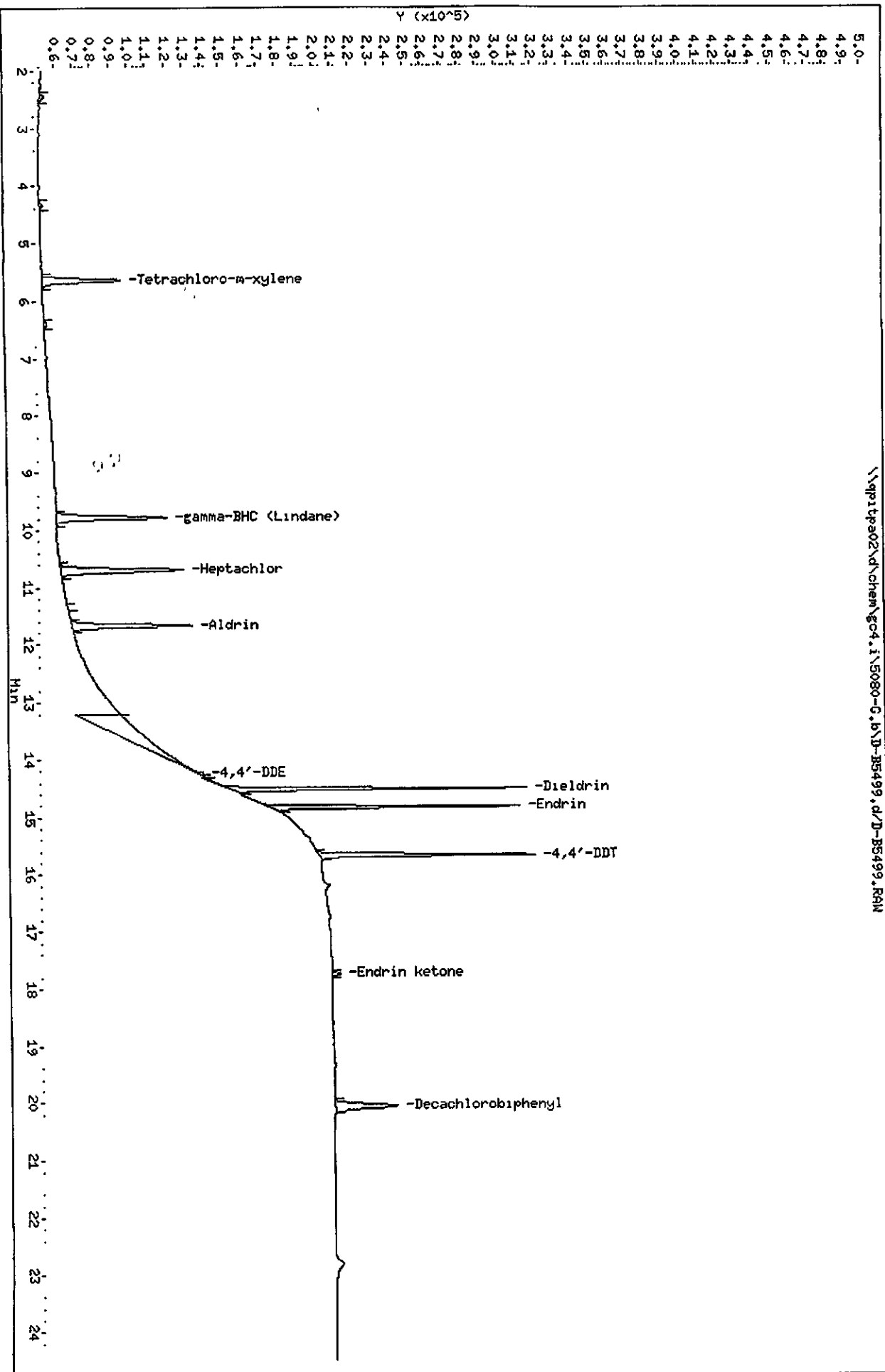
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
21 4,4'-DDD				Compound Not Detected.		
22 Endosulfan II				Compound Not Detected.		
23 4,4'-DDT	15.666	15.680	-0.014	118818	0.04782	0.4782
24 Endrin aldehyde				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
26 Endosulfan sulfate				Compound Not Detected.		
58 MIREX				Compound Not Detected.		
29 Kepone				Compound Not Detected.		
27 Endrin ketone	17.746	17.773	-0.027	3979	0.00193	0.01927(a)
\$ 30 Decachlorobiphenyl	20.073	20.093	-0.020	34097	0.02016	0.2016

QC Flag Legend

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

Data File: \\p1tpa02\chem\gc4.1\5080-G.b\B-BS499.d
 Date: 19-AUG-2000 02:33
 Client ID: LCS9480
 Sample Info: DJ0K102,5080-G.b, PEST, sub, 3,
 Volume Injected (uL): 1.0
 Column phase: DB1701

Instrument: GC4.1
 Operator: 1891
 Column diameter: 0.53



668 576

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO

LCS9480

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

Lab Sample ID: DJ0KC102

Date(s) Analyzed: 08/19/00 08/19/00

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	9.14	9.08	9.18	0.2266	
	2	9.78	9.71	9.81	0.2299	1.4
Heptachlor	1	10.40	10.34	10.44	0.2278	
	2	10.70	10.64	10.74	0.2302	1.0
Aldrin	1	11.58	11.56	11.66	0.2223	
	2	11.67	11.61	11.71	0.2315	4.1
Dieldrin	1	14.41	14.36	14.46	0.4648	
	2	14.51	14.46	14.56	0.4798	3.2
4,4'-DDE	1	14.28	14.24	14.34	0.008251	
	2	14.23	14.17	14.27	0.007930	4.0
Endrin	1	14.99	14.93	15.03	0.4653	
	2	14.83	14.77	14.87	0.4331	7.4
4,4'-DDT	1	15.63	15.57	15.67	0.4985	
	2	15.67	15.61	15.71	0.4782	4.2
	1					
	2					

UXB INTERNATIONAL
CHECK SAMPLE DUPLICATE COMPOUNDS

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

Matrix: (soil/water) WATER Lab Sample ID: COH160000 480
Method: SW846 8081A
Pesticides (8081A)

Sample WT/Vol: 1000 / mL Date Received: 08/15/00
Work Order: DJ0KC103 Date Extracted: 08/16/00
Dilution factor: 1 Date Analyzed: 08/19/00

QC Batch: 0229480

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
309-00-2	Aldrin	0.239	
58-89-9	gamma-BHC (Lindane)	0.244	
50-29-3	4,4'-DDT	0.514	
60-57-1	Dieldrin	0.506	
72-20-8	Endrin	0.468	
76-44-8	Heptachlor	0.246	

Data File: \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5500.d
 Report Date: 21-Aug-2000 13:54

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-A5500.d
 Lab Smp Id: DJ0KC103 Client Smp ID: LCD9480
 Inj Date : 19-AUG-2000 03:01
 Operator : 1891 Inst ID: gc4.i
 Smp Info : DJ0KC103,5080-G.b,, PEST.sub,,3,
 Misc Info : 150146LCD
 Comment :
 Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTA.m
 Meth Date : 21-Aug-2000 13:47 gc Quant Type: ESTD
 Cal Date : 08-AUG-2000 01:35 Cal File: D-A5173.d
 Als bottle: 1 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: PEST.sub
 Target Version: 4.04
 Processing Host: PITPC043

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	5.500	5.520	-0.020	56850	0.01953	0.1952
2 Diallylate A	6.740	6.766	-0.026	798	0.00686	0.06862(a)
3 Diallylate B				Compound Not Detected.		
5 alpha-BHC				Compound Not Detected.		
6 gamma-BHC (Lindane)	9.140	9.166	-0.026	76450	0.02442	0.2442
7 beta-BHC				Compound Not Detected.		
9 Chlordane				Compound Not Detected.		
10 Heptachlor	10.400	10.433	-0.033	61768	0.02461	0.2461
8 delta-BHC				Compound Not Detected.		
11 Aldrin	11.580	11.606	-0.026	57510	0.02394	0.2394
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	14.280	14.293	-0.013	2468	<0.0	0.008628(a)

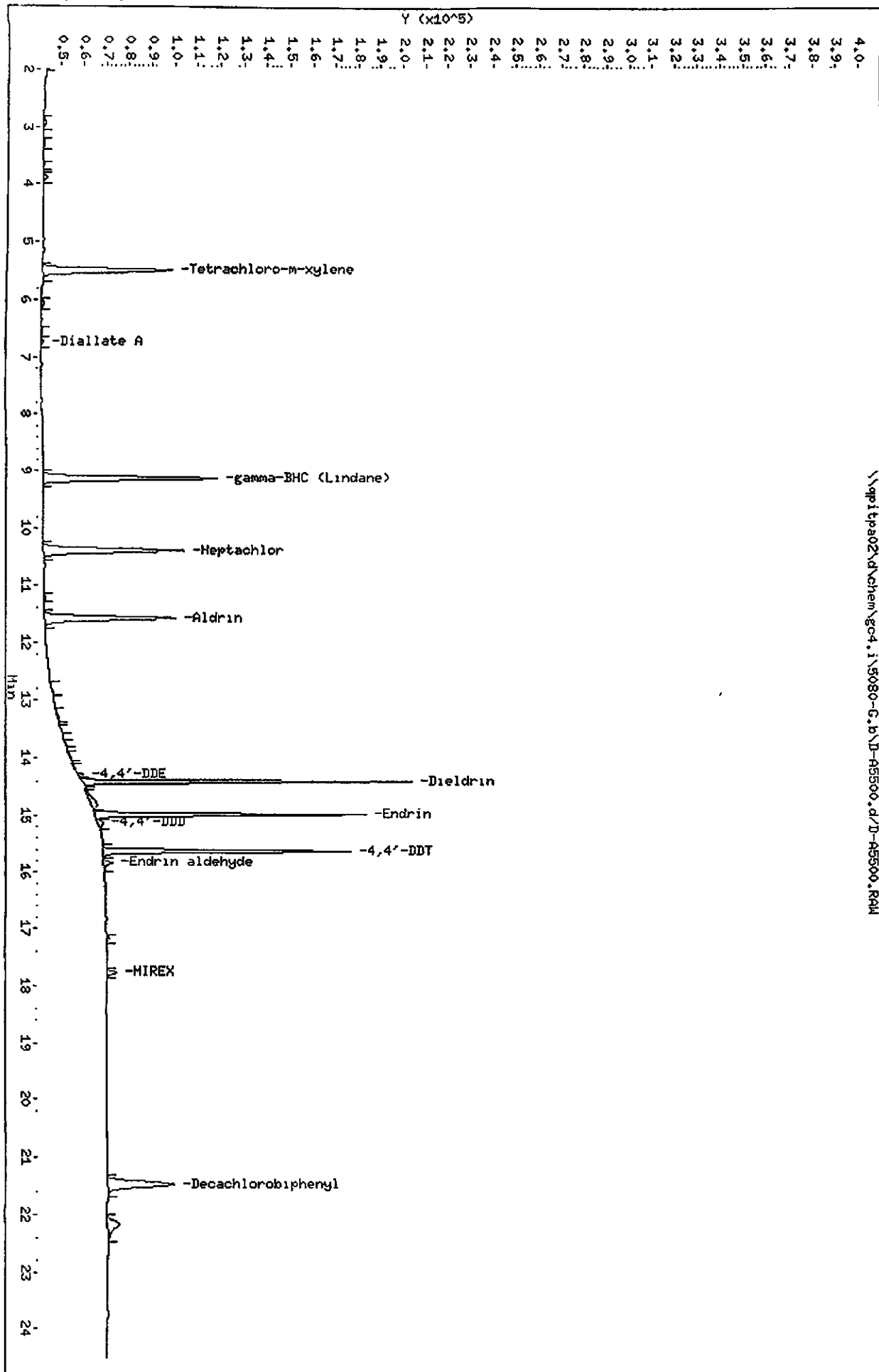
Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
17 Dieldrin	14.413	14.426	-0.013	144128	0.05062	0.5062
20 Endrin	14.986	15.006	-0.020	118504	0.05074	0.5074
29 Kepone	Compound Not Detected.					
21 4,4'-DDD	15.133	15.146	-0.013	2604	0.00118	0.01182(a)
18 Toxaphene	Compound Not Detected.					
22 Endosulfan II	Compound Not Detected.					
23 4,4'-DDT	15.626	15.646	-0.020	108305	0.05251	0.5251
24 Endrin aldehyde	15.833	15.846	-0.013	3822	0.00203	0.02031(a)
26 Endosulfan sulfate	Compound Not Detected.					
25 Methoxychlor	Compound Not Detected.					
28 MIREX	17.766	17.773	-0.007	3944	0.00291	0.02906(a)
27 Endrin ketone	Compound Not Detected.					
\$ 30 Decachlorobiphenyl	21.466	21.460	0.006	29092	0.02055	0.2055

QC Flag Legend

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

Data File: \\ap1tpa02\chem\gc4.i\5080-G.b\D-A5500.d
 Date: 19-AUG-2000 03:01
 Client ID: LCP9480
 Sample Info: BJOKC103,5080-G.b,PEST,sub,3,
 Volume Injected (uL): 1.0
 Column phase: DB608

Instrument: kv1.i
 Operator: 1891
 Column diameter: 0.53



STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\5080-G.b\D-B5500.d
Lab Smp Id: DJ0KC103 Client Smp ID: LCD9480
Inj Date : 19-AUG-2000 03:01
Operator : 1891 Inst ID: gc4.i
Smp Info : DJ0KC103,5080-G.b,,PEST.sub,,3,
Misc Info : 150146LCD
Comment :
Method : \\qpitpa02\d\chem\gc4.i\5080-G.b\PESTB.m
Meth Date : 20-Aug-2000 13:36 gc Quant Type: ESTD
Cal Date : 08-AUG-2000 01:35 Cal File: D-B5173.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC043

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	5.633	5.640	-0.007	45358	0.01984	0.1984
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	9.780	9.793	-0.013	66080	0.02492	0.2492
9 Chlordane	Compound Not Detected.					
10 Heptachlor	10.700	10.713	-0.013	73196	0.02490	0.2490
11 Aldrin	11.666	11.680	-0.014	71882	0.02524	0.2524
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
12 Heptachlor epoxide	Compound Not Detected.					
15 Endosulfan I	Compound Not Detected.					
13 gamma-Chlordane	Compound Not Detected.					
14 alpha-Chlordane	Compound Not Detected.					
16 4,4'-DDE	14.233	14.233	0.000	2746	<0.0	0.008153 (a)
17 Dieldrin	14.513	14.520	-0.007	175996	0.05183	0.5183
20 Endrin	14.826	14.833	-0.007	148072	0.04683	0.4683
18 Toxaphene	Compound Not Detected.					

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Data File: \\gpitpa02\d\chem\gc4.i\5080-G.b\D-B5500.d
Report Date: 20-Aug-2000 13:49

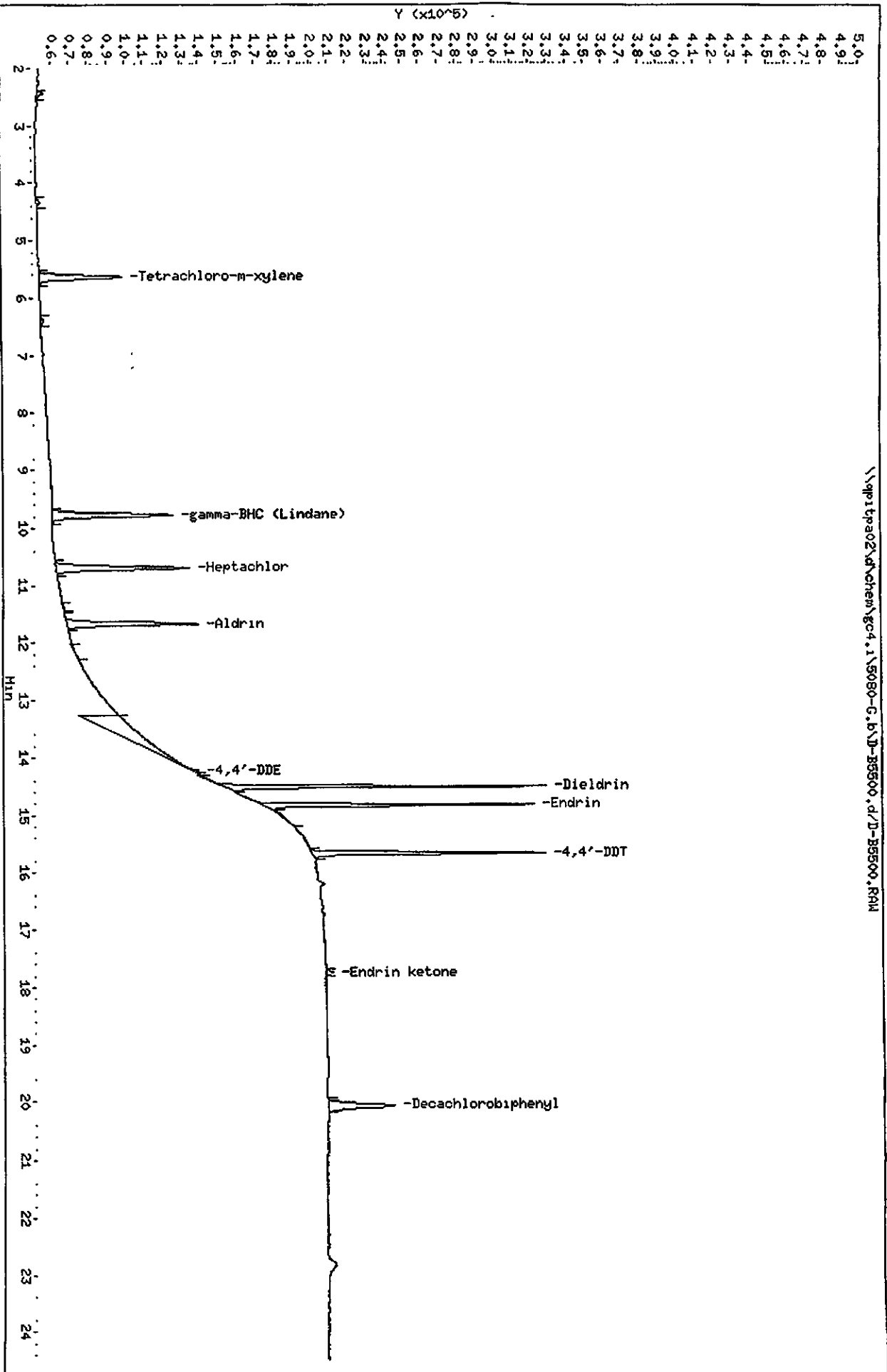
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng)	FINAL (ug/L)
=====	==	=====	=====	=====	=====	=====
21 4,4'-DDD				Compound Not Detected.		
22 Endosulfan II				Compound Not Detected		
23 4,4'-DDT	15.666	15.680	-0.014	127600	0.05135	0.5135
24 Endrin aldehyde				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
26 Endosulfan sulfate				Compound Not Detected.		
58 MIREX				Compound Not Detected.		
29 Kepone				Compound Not Detected.		
27 Endrin ketone	17.753	17.773	-0.020	3961	0.00192	0.01919(a)
\$ 30 Decachlorobiphenyl	20.073	20.093	-0.020	36167	0.02139	0.2139

QC Flag Legend

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

Data File: \\pp1tpa02\chem\gc4.i\5080-G.b.D-B5500.d
 Date: 19-AUG-2000 03:01
 Client ID: LCD9480
 Sample Info: D30K103,5080-G.b.,PEST,sub,3,
 Volume Injected (uL): 1.0
 Column phase: DB1701

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



668 584

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

LCD9480

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: C0H150146

Lab Sample ID: DJ0KC103

Date(s) Analyzed: 08/19/00 08/19/00

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	9.14	9.08	9.18	0.2442	
	2	9.78	9.71	9.81	0.2492	2.0
Heptachlor	1	10.40	10.34	10.44	0.2461	
	2	10.70	10.64	10.74	0.2490	1.2
Aldrin	1	11.58	11.56	11.66	0.2394	
	2	11.67	11.61	11.71	0.2524	5.4
Dieldrin	1	14.41	14.36	14.46	0.5062	
	2	14.51	14.46	14.56	0.5183	2.4
4,4'-DDE	1	14.28	14.24	14.34	0.008628	
	2	14.23	14.17	14.27	0.008153	5.8
Endrin	1	14.99	14.93	15.03	0.5074	
	2	14.83	14.77	14.87	0.4683	8.3
4,4'-DDT	1	15.63	15.57	15.67	0.5251	
	2	15.67	15.61	15.71	0.5135	2.2
	1					
	2					

668 585

85 103

**PESTICIDE
MISCELLANEOUS**

Extraction Worksheet

80814/8082

He

703

committed to your success
is a/c

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

3200

[illegible]

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5080-G.SEQ
Created by : DE11/02/98 on : 8/7/00 18:00
Edited by : DE08/07/00 on : 8/7/00 18:19
Description : QUAN TERRA PGH 8081 RUN ON GC#4 DB608/DB1701
REVIEWED BY:

668 587
G

Number of Times Edited : 1

5080G.PDF
5080G.IX.PDF

Sequence File Header Information:

Number of Rows : 54
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel B												
Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Std Check	EVALB,5080-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,5080-G.b	190-98-12		1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
3	Cal:Replace	MEDCHLOR,5080-G	190-85-10		1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
4	Cal:Replace	LOWIX,5080-G.b,	190-80-6		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	MLOWIX,5080-G.b	190-80-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Cal:Replace	MEDIX,5080-G.b,	190-80-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Cal:Replace	MHIGHIX,5080-G.	190-80-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Cal:Replace	HIGHIX,5080-G.b	190-80-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Cal:Replace	LOWF,5080-G.b,,	190-74-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Cal:Replace	MLOWF,5080-G.b,	190-74-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Cal:Replace	MEDF,5080-G.b,,	190-74-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Cal:Replace	MHIGHF,5080-G.b	190-74-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Cal:Replace	HIGHF,5080-G.b,,	190-74-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Cal:Replace	LOWA,5080-G.b,,	190-84-1		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Cal:Replace	MLOWA,5080-G.b,	190-84-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Cal:Replace	MEDA,5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Cal:Replace	MHIGHA,5080-G.b	190-84-4		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Cal:Replace	HIGHA,5080-G.b,	190-84-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Cal:Replace	LOWB,5080-G.b,,	190-84-7		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Cal:Replace	MLOWB,5080-G.b,	190-84-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Cal:Replace	MEDB,5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Cal:Replace	MHIGHB,5080-G.b	190-84-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Cal:Replace	HIGHB,5080-G.b,	190-84-11		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	2ND A,5080-G.b,	190-82-2		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	2ND B,5080-G.b,	190-82-5		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	EVALB,5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DGRC1101,5080-G	140198BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DGRC1102,5080-G	140198LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DGRC1103,5080-G	140198LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DG7T7101,5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DG7T7101,5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DG7T7101,5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DG7TA101,5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DG7TA101,5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DG7TA101,5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DG7TC101,5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DG7TC101,5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DG7TC101,5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DG07P101,5080-G	180137004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DG07P10L,5080-G	180137004S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DG07P10M,5080-G	180137004D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DG09M101,5080-G	180137BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DG09M102,5080-G	180137LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHEH6101,5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DHEH6102,5080-G	030147LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	DHEH6103,5080-G	030147LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	MEDA,5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	MEDB,5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	EVALB,5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DH991102,5080-G	030147019		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DHA8R102,5080-G	030241009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DHA9A102,5080-G	030241012		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Std Check	MEDA,5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Std Check	MEDB,5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

Sequence Process Information - Channel B

BTLSidePeakValFirst Process Calib Report Raw Result Baseline Modified Cal Level Update Out 3201

668 588

			Method	Method	Method	Format	File	File	File	Raw File	Rpt	Name	RT	Dev
1	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5151	D-B5151	D-B5151	-	-	-	LPT1:
2	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5152	D-B5152	D-B5152	N	MED	N	LPT1:,LP
3	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5153	D-B5153	D-B5153	N	MED	N	LPT1:,LP
4	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5154	D-B5154	D-B5154	N	LOW	N	LPT1:
5	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5155	D-B5155	D-B5155	N	MLOW	N	LPT1:
6	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5156	D-B5156	D-B5156	N	MLOW	N	LPT1:
7	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5157	D-B5157	D-B5157	N	MLOW	N	LPT1:
8	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5158	D-B5158	D-B5158	N	MLOW	N	LPT1:
9	-	1	4	GEN4C	GEN4B	122190A	INDA	D-B5159	D-B5159	D-B5159	N	LOW	N	LPT1:
10	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5160	D-B5160	D-B5160	N	MLOW	N	LPT1:
11	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5161	D-B5161	D-B5161	N	MLOW	N	LPT1:
12	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5162	D-B5162	D-B5162	N	MLOW	N	LPT1:
13	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5163	D-B5163	D-B5163	N	MLOW	N	LPT1:
14	-	1	4	GEN4C	GEN4B	122190A	INDA	D-B5164	D-B5164	D-B5164	N	LOW	N	LPT1:
15	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5165	D-B5165	D-B5165	N	MLOW	N	LPT1:
16	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5166	D-B5166	D-B5166	N	MLOW	N	LPT1:
17	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5167	D-B5167	D-B5167	N	MLOW	N	LPT1:
18	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5168	D-B5168	D-B5168	N	MLOW	N	LPT1:
19	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5169	D-B5169	D-B5169	N	LOW	N	LPT1:
20	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5170	D-B5170	D-B5170	N	MLOW	N	LPT1:
21	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5171	D-B5171	D-B5171	N	MLOW	N	LPT1:
22	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5172	D-B5172	D-B5172	N	MLOW	N	LPT1:
23	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5173	D-B5173	D-B5173	N	MLOW	N	LPT1:
24	-	1	23	GEN4C	GEN4B	122190A	INDA	D-B5174	D-B5174	D-B5174	-	-	-	LPT1:
25	-	1	24	GEN4C	GEN4B	122190A	INDA	D-B5175	D-B5175	D-B5175	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5176	D-B5176	D-B5176	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5177	D-B5177	D-B5177	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5178	D-B5178	D-B5178	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5179	D-B5179	D-B5179	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5180	D-B5180	D-B5180	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5181	D-B5181	D-B5181	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5182	D-B5182	D-B5182	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5183	D-B5183	D-B5183	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5184	D-B5184	D-B5184	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5185	D-B5185	D-B5185	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5186	D-B5186	D-B5186	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5187	D-B5187	D-B5187	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5188	D-B5188	D-B5188	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5189	D-B5189	D-B5189	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5190	D-B5190	D-B5190	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5191	D-B5191	D-B5191	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5192	D-B5192	D-B5192	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5193	D-B5193	D-B5193	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5194	D-B5194	D-B5194	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5195	D-B5195	D-B5195	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5196	D-B5196	D-B5196	-	-	-	LPT1:
47	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5197	D-B5197	D-B5197	-	-	-	LPT1:
48	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5198	D-B5198	D-B5198	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5199	D-B5199	D-B5199	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5200	D-B5200	D-B5200	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5201	D-B5201	D-B5201	-	-	-	LPT1:
52	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5202	D-B5202	D-B5202	-	-	-	LPT1:
53	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5203	D-B5203	D-B5203	-	-	-	LPT1:
54	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5204	D-B5204	D-B5204	-	-	-	LPT1:

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5160-G.SEQ
 Created by : DE11/02/98 on : 8/16/00 16:49
 Edited by : LM08/16/00 on : 8/20/00 12:06
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

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Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 175
 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, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	DH98T103, 5080-G	030147017		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	DH98X103, 5080-G	030147018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DH995103, 5080-G	030147020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	DH997103, 5080-G	030147021		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	DH99710W, 5080-G	030147021S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	DH99710X, 5080-G	030147021D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DH998103, 5080-G	030147022		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	DH999103, 5080-G	030147023		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	DH99C103, 5080-G	030147024		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	DH99D103, 5080-G	030147025		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	DH99E103, 5080-G	030147026		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	DH99F103, 5080-G	030147027		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	DH99H103, 5080-G	030147028		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DH99K103, 5080-G	030147029		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DH99L103, 5080-G	030147030		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DH99M103, 5080-G	030147031		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DH99P103, 5080-G	030147032		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DH99Q103, 5080-G	030147033		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DHFAK101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DHFAK102, 5080-G	030147LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DHA88106, 5080-G	030241006S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DHA88107, 5080-G	030241006D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DHA7D103, 5080-G	030241001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DHA7J103, 5080-G	030241002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DHA7X103, 5080-G	030241003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DHA81103, 5080-G	030241004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DHA85103, 5080-G	030241005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DHA88105, 5080-G	030241006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DHA8H103, 5080-G	030241007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DHA8M103, 5080-G	030241008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DHA90105, 5080-G	030241010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DHA90106, 5080-G	030241010S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DHA90107, 5080-G	030241010D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DHA98103, 5080-G	030241011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DHA9D103, 5080-G	030241013		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DHA9H103, 5080-G	030241014		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DHJFF101, 5080-G	030241BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHJFF102, 5080-G	030241LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DHFAJ101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	DGXL104, 5080-G	270304001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DGXLN108, 5080-G	270304002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DGXLN109, 5080-G	270304002S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DGXLN10A, 5080-G	270304002D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	DGXLQ104, 5080-G	270304003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DGXLRI04, 5080-G	270304004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DGXL7104, 5080-G	270303001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DGXL9104, 5080-G	270303002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DGXLAI04, 5080-G	270303003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DGXLFI04, 5080-G	270303005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DGXLHI04, 5080-G	270303006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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147	Sample	DHE31113,5080-G	040234001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
148	Sample	DGLH4103,5080-G	210219-2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
149	Sample	DGLF4113,5080-G	210212001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
150	Sample	DGKDR113,5080-G	270269001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
151	Sample	~~DHKQ4102,5080-G~~	~~090213002~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
152	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
153	Sample	DHKQ4112,5080-G	090213002S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
154	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
155	Sample	DHKQ4113,5080-G	090213002D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
156	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
157	Sample	DJOKE101,5080-G	090213BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
158	Sample	~~DJOKE102,5080-G~~	~~090213LCS~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
159	Cal:Replace	MEDIX,5080-G.b,,	190-80-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
160	Cal:Replace	MEDF,5080-G.b,,	190-74-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
161	Std Check	MEDA,5080-G.b,,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
162	Std Check	MEDB,5080-G.b,,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
163	Std Check	EVALB,5080-G.b,,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
164	Sample	DHRPW104,5080-G	140112001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
165	Sample	DHRPW115,5080-G	140112001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
166	Sample	DHRPW116,5080-G	140112001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
167	Sample	DHRQA104,5080-G	140112002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
168	Sample	DHRQA104,5080-G	140112004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
169	Sample	DHRQA115,5080-G	140112004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
170	Sample	DHRQA116,5080-G	140112004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
171	Sample	DHRQA104,5080-G	140112006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
172	Sample	DHV6K101,5080-G	140112BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
173	Sample	DHV6K102,5080-G	140112LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
174	Std Check	MEDA,5080-G.b,,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
175	Std Check	MEDB,5080-G.b,,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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-A5368	D-A5368		D-A5368	-	-	-	LPT1:
2	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5369	D-A5369		D-A5369	N	MLOW	N	LPT1:
3	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5370	D-A5370		D-A5370	N	MLOW	N	LPT1:
4	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5371	D-A5371		D-A5371	-	-	-	LPT1:
5	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5372	D-A5372		D-A5372	-	-	-	LPT1:
6	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5373	D-A5373		D-A5373	-	-	-	LPT1:
7	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5374	D-A5374		D-A5374	-	-	-	LPT1:
8	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5375	D-A5375		D-A5375	-	-	-	LPT1:
9	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5376	D-A5376		D-A5376	-	-	-	LPT1:
10	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5377	D-A5377		D-A5377	-	-	-	LPT1:
11	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5378	D-A5378		D-A5378	-	-	-	LPT1:
12	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5379	D-A5379		D-A5379	-	-	-	LPT1:
13	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5380	D-A5380		D-A5380	-	-	-	LPT1:
14	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5381	D-A5381		D-A5381	-	-	-	LPT1:
15	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5382	D-A5382		D-A5382	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5383	D-A5383		D-A5383	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5384	D-A5384		D-A5384	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5385	D-A5385		D-A5385	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5386	D-A5386		D-A5386	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5387	D-A5387		D-A5387	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5388	D-A5388		D-A5388	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5389	D-A5389		D-A5389	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5390	D-A5390		D-A5390	-	-	-	LPT1:
24	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5391	D-A5391		D-A5391	-	-	-	LPT1:
25	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5392	D-A5392		D-A5392	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5393	D-A5393		D-A5393	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5394	D-A5394		D-A5394	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5395	D-A5395		D-A5395	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5396	D-A5396		D-A5396	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5397	D-A5397		D-A5397	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5398	D-A5398		D-A5398	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5399	D-A5399		D-A5399	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5400	D-A5400		D-A5400	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5401	D-A5401		D-A5401	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5402	D-A5402		D-A5402	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5403	D-A5403		D-A5403	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5404	D-A5404		D-A5404	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5405	D-A5405		D-A5405	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5406	D-A5406		D-A5406	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5407	D-A5407		D-A5407	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5408	D-A5408		D-A5408	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5409	D-A5409		D-A5409	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5410	D-A5410		D-A5410	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5411	D-A5411		D-A5411	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5412	D-A5412		D-A5412	-	-	-	LPT1:
46	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5413	D-A5413		D-A5413	-	-	-	LPT1:
47	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5414	D-A5414		D-A5414	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5415	D-A5415		D-A5415	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5416	D-A5416		D-A5416	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5417	D-A5417		D-A5417	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5418	D-A5418		D-A5418	-	-	-	LPT1:

52	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5419	D-A5419	D-A5419	-	-	-	LPT1:
53	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5420	D-A5420	D-A5420	-	-	-	LPT1:
54	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5421	D-A5421	D-A5421	-	-	-	LPT1:
55	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5422	D-A5422	D-A5422	-	-	-	LPT1:
56	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5423	D-A5423	D-A5423	-	-	-	LPT1:
57	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5424	D-A5424	D-A5424	-	-	-	LPT1:
58	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5425	D-A5425	D-A5425	-	-	-	LPT1:
59	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5426	D-A5426	D-A5426	-	-	-	LPT1:
60	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5427	D-A5427	D-A5427	-	-	-	LPT1:
61	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5428	D-A5428	D-A5428	-	-	-	LPT1:
62	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5429	D-A5429	D-A5429	-	-	-	LPT1:
63	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5430	D-A5430	D-A5430	-	-	-	LPT1:
64	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5431	D-A5431	D-A5431	-	-	-	LPT1:
65	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5432	D-A5432	D-A5432	-	-	-	LPT1:
66	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5433	D-A5433	D-A5433	-	-	-	LPT1:
67	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5434	D-A5434	D-A5434	-	-	-	LPT1:
68	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5435	D-A5435	D-A5435	-	-	-	LPT1:
69	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5436	D-A5436	D-A5436	-	-	-	LPT1:
70	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5437	D-A5437	D-A5437	-	-	-	LPT1:
71	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5438	D-A5438	D-A5438	-	-	-	LPT1:
72	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5439	D-A5439	D-A5439	-	-	-	LPT1:
73	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5440	D-A5440	D-A5440	-	-	-	LPT1:
74	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5441	D-A5441	D-A5441	-	-	-	LPT1:
75	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5442	D-A5442	D-A5442	-	-	-	LPT1:
76	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5443	D-A5443	D-A5443	-	-	-	LPT1:
77	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5444	D-A5444	D-A5444	-	-	-	LPT1:
78	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5445	D-A5445	D-A5445	-	-	-	LPT1:
79	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5446	D-A5446	D-A5446	-	-	-	LPT1:
80	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5447	D-A5447	D-A5447	-	-	-	LPT1:
81	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5448	D-A5448	D-A5448	-	-	-	LPT1:
82	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5449	D-A5449	D-A5449	-	-	-	LPT1:
83	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5450	D-A5450	D-A5450	-	-	-	LPT1:
84	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5451	D-A5451	D-A5451	-	-	-	LPT1:
85	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5452	D-A5452	D-A5452	-	-	-	LPT1:
86	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5453	D-A5453	D-A5453	-	-	-	LPT1:
87	-	1	1	GEN4C	GEN4A	122190A	EVAL	D						

139	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5506	D-A5506	D-A5506	N	MLOW	N	LPT1:
140	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5507	D-A5507	D-A5507	-	-	-	LPT1:
141	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5508	D-A5508	D-A5508	-	-	-	LPT1:
142	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5509	D-A5509	D-A5509	-	-	-	LPT1:
143	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5510	D-A5510	D-A5510	-	-	-	LPT1:
144	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5511	D-A5511	D-A5511	-	-	-	LPT1:
145	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5512	D-A5512	D-A5512	-	-	-	LPT1:
146	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5513	D-A5513	D-A5513	-	-	-	LPT1:
147	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5514	D-A5514	D-A5514	-	-	-	LPT1:
148	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5515	D-A5515	D-A5515	-	-	-	LPT1:
149	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5516	D-A5516	D-A5516	-	-	-	LPT1:
150	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5517	D-A5517	D-A5517	-	-	-	LPT1:
151	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5518	D-A5518	D-A5518	-	-	-	LPT1:
152	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5519	D-A5519	D-A5519	-	-	-	LPT1:
153	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5520	D-A5520	D-A5520	-	-	-	LPT1:
154	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5521	D-A5521	D-A5521	-	-	-	LPT1:
155	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5522	D-A5522	D-A5522	-	-	-	LPT1:
156	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5523	D-A5523	D-A5523	-	-	-	LPT1:
157	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5524	D-A5524	D-A5524	-	-	-	LPT1:
158	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5525	D-A5525	D-A5525	-	-	-	LPT1:
159	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5526	D-A5526	D-A5526	N	MLOW	N	LPT1:
160	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5527	D-A5527	D-A5527	N	MLOW	N	LPT1:
161	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5528	D-A5528	D-A5528	-	-	-	LPT1:
162	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5529	D-A5529	D-A5529	-	-	-	LPT1:
163	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5530	D-A5530	D-A5530	-	-	-	LPT1:
164	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5531	D-A5531	D-A5531	-	-	-	LPT1:
165	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5532	D-A5532	D-A5532	-	-	-	LPT1:
166	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5533	D-A5533	D-A5533	-	-	-	LPT1:
167	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5534	D-A5534	D-A5534	-	-	-	LPT1:
168	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5535	D-A5535	D-A5535	-	-	-	LPT1:
169	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5536	D-A5536	D-A5536	-	-	-	LPT1:
170	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5537	D-A5537	D-A5537	-	-	-	LPT1:
171	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5538	D-A5538	D-A5538	-	-	-	LPT1:
172	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5539	D-A5539	D-A5539	-	-	-	LPT1:
173	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5540	D-A5540	D-A5540	-	-	-	LPT1:
174	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5541	D-A5541	D-A5541	-	-	-	LPT1:
175	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5542	D-A5542	D-A5542	-	-	-	LPT1:

608 593

668 594

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5230-G.SEQ
 Created by : DE11/02/98 on : 8/23/00 11:07
 Edited by : LM08/23/00 on : 8/28/00 09:39
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

Number of Times Edited : 8

Sequence File Header Information:

Number of Rows : 177
 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,5280-G.b,	190-88-8	545	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	MEDTOX,5280-G.b	190-98-12		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	MEDCHLOR,5280-G	190-85-10		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Cal:Replace	MEDA,5280-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal:Replace	MEDB,5280-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DGLF4113,5280-G	210212001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	~~DHMO3108,5280-G~~	~~100137005~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	DHV7M103,5280-G	150146001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	~~DHLXR108,5280-G~~	~~100137002~~	553	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DHLXR108,5280-G	100137002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	~~DHLXR108,5280-G~~	~~100137003~~	555	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	~~DHLXR108,5280-G~~	~~100137004~~	556	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	DHMO3108,5280-G	100137005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	DHMO6108,5280-G	100137006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	DHMO7108,5280-G	100137007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	DHMOA108,5280-G	100137008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DHMOA11G,5280-G	100137008S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DHMOA11H,5280-G	100137008D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DHMOE108,5280-G	100137009		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DHMOF108,5280-G	100137010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DHMOG108,5280-G	100137012		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DHMOH108,5280-G	100137014		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DJ412115,5280-G	180213004S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	DHQEW101,5280-G	100137BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	DHQEW102,5280-G	100137LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	MEDA,5280-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Std Check	MEDB,5280-G.b,,	190-84-9	571	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Std Check	EVALB,5280-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DJ412116,5280-G	180213004D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DJ412104,5280-G	180213004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DJ417104,5280-G	180213005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DJ4WJ101,5280-G	180213BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DJ4WJ102,5280-G	180213LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DJ52C101,5280-G	180213BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DJ52C102,5280-G	180213LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DJ52C103,5280-G	180213LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DJ401103,5280-G	180213001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	~~DJ6M5101,5280-G~~	~~160154BLK~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DJ6M5102,5280-G	160154LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DHX40119,5280-G	160154001S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DHX4011A,5280-G	160154001D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DHX40104,5280-G	160154001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DHX47104,5280-G	160154002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	~~DHX4A104,5280-G~~	~~160154003~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	~~DJ401104,5280-G~~	~~170113001~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	~~DJ4C3101,5280-G~~	~~170224BLK~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	DJ4C3102,5280-G	170224LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	~~DJ4C3103,5280-G~~	~~170224LCD~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	MEDA,5280-G b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Std Check	MEDB,5280-G b,,	190-84-9	574	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Std Check	EVALB,5280-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	~~DJ11T103,5280-G~~	~~170224001~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	~~DJ11G103,5280-G~~	~~170224002~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	~~DJ11K103,5280-G~~	~~170224003~~		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DJ2N3101,5280-G	160223BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DJ2N3102,5280-G	160223LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DJ2N3103,5280-G	160223LCD		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DHXN9104,5280-G	160223001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DHXND104,5280-G	160223002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

60	Sample	DHXNF10A, 5280-G	160223003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample	DHGDF103, 5280-G	070171001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	DHGDH103, 5280-G	070171003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	DHGED103, 5280-G	070171007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	DHGDP103, 5280-G	070171009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	DHGEX103, 5280-G	070171013	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	DHGE3103, 5280-G	070171015	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	DHGE5103, 5280-G	070171017	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	DHGE7103, 5280-G	070171019	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample	DHNLX101, 5280-G	070171BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	DHNLX102, 5280-G	070171LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample	DHNLX103, 5280-G	070171LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	DHGEC103, 5280-G	070171021	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	DHGE103, 5280-G	070171023	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	DHGEH103, 5280-G	070171026	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	DHGEI103, 5280-G	070171028	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	DHGEP103, 5280-G	070171030	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	DHGET103, 5280-G	070171032	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	DHGEW103, 5280-G	070171034	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	DJ0FK101, 5280-G	070171BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	DJ0FK102, 5280-G	070171LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	DJ0FK103, 5280-G	070171LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Sample	DHGDK103, 5280-G	070171005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample	DHGE103, 5280-G	070171025	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	DHGE9103, 5280-G	070171036	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	DHGFH103, 5280-G	070171037	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample	DHGFN103, 5280-G	070171038	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	DHXCX103, 5280-G	070171040	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample	DJ1Q4104, 5280-G	170215001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	DJ1Q8109, 5280-G	170215003S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample	DJ8V4101, 5280-G	170215BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample	DJ8V4102, 5280-G	170215LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
97	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
98	Sample	DJ1Q810A, 5280-G	170215003D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
99	Sample	DJ1Q4104, 5280-G	170215002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
100	Sample	DJ1Q8108, 5280-G	170215003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
101	Sample	DJ1QF104, 5280-G	170215004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
102	Sample	DJ1QG104, 5280-G	170215005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
103	Sample	DJ1QJ104, 5280-G	170215006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
104	Sample	DJ4MP104, 5280-G	180281001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
105	Sample	DJ4MR104, 5280-G	180281002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
106	Sample	DHXDA104, 5280-G	160189001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Sample	DHXDG104, 5280-G	160189002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	DHXDH104, 5280-G	160189003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
109	Sample	DHXDL104, 5280-G	160189004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
110	Sample	DHXDP104, 5280-G	160189005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
111	Sample	DHXDT104, 5280-G	160189006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
112	Sample	DHXDV104, 5280-G	160189007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
113	Sample	DHXDX104, 5280-G	160189008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
114	Sample	DJ1PM104, 5280-G	170209001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Sample	DJ6ML101, 5280-G	180282BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
116	Sample	DJ6ML102, 5280-G	180282LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
117	Sample	DJ6ML103, 5280-G	180282LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
118	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
119	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
120	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
121	Sample	DJ4P1103, 5280-G	180282004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Sample	DJ4NQ103, 5280-G	180282003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
123	Sample	DJ4PF103, 5280-G	180282006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
124	Sample	DJ4P8103, 5280-G	180282007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
125	Sample	DJ4PA103, 5280-G	180282008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
126	Sample	DJ4PD103, 5280-G	180282009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
127	Sample	DJ4PF103, 5280-G	180282010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
128	Sample	DJ4PL103, 5280-G	180282011	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
129	Sample	DJ4PM103, 5280-G	180282012	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
130	Sample	DHMOK108, 5280-G	100137011	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
131	Sample	DHMOM108, 5280-G	100137013	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
132	Sample	DJAQ1101, 5280-G	100137BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
133	Sample	DJAQ1102, 5280-G	100137LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
134	Sample	DJAQ1103, 5280-G	100137LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
135	Sample	DHV40104, 5280-G	150136001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
136	Sample	DHV58104, 5280-G	150136002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
137	Sample	DHV5C104, 5280-G	150136003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
138	Sample	DHV5E108, 5280-G	150136004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
139	Sample	DJ023101, 5280-G	150136BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
140	Sample	DJ023102, 5280-G	150136LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
141	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
142	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
143	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
144	Sample	DHV5E109, 5280-G	150136004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
145	Sample	DHV5E10A, 5280-G	150136004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
146	Sample	DHV5E104, 5280-G	150136005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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147	Sample	DHV5K104, 5280-G	150136006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
148	Sample	DHV5M104, 5280-G	150136007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
149	Sample	~~DHV5T104, 5280-G~~	~~150136008~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
150	Sample	DHV5T104, 5280-G	150136009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
151	Sample	DHV5K104, 5280-G	150136010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
152	Sample	DHV60104, 5280-G	150136011	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
153	Sample	~~DJAN5101, 5280-G~~	~~180278000~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
154	Sample	DJAN5102, 5280-G	180278001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
155	Sample	DJ4M410M, 5280-G	180278001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
156	Sample	DJ4M410N, 5280-G	180278001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
157	Sample	~~DJ4M410S, 5280-G~~	~~180278001~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
158	Sample	~~DJ7C810V, 5280-G~~	~~220139001S~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
159	Sample	DJ7C810W, 5280-G	220139001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
160	Sample	DJ7C8104, 5280-G	220139001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
161	Sample	DJ7C9104, 5280-G	220139002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
162	Sample	DJDTA101, 5280-G	220139BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
163	Sample	~~DJ7CC104, 5280-G~~	~~220139003~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
164	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
165	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
166	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
167	Sample	~~DJ7CC104, 5280-G~~	~~220139003~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
168	Sample	DHLX6108, 5280-G	100137001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
169	Sample	~~DHLXR108, 5280-G~~	~~100137002~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
170	Sample	DHLX7108, 5280-G	100137003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
171	Sample	DHLXW108, 5280-G	100137004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
172	Sample	~~DHMO6108, 5280-G~~	~~100137006~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
173	Sample	DHMOA108, 5280-G	100137008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
174	Sample	DHMOA11G, 5280-G	100137008S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
175	Sample	~~DHMOA11H, 5280-G~~	~~100137008D~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
176	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
177	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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-A5545	D-A5545		D-A5545	-	-	-	LPT1:
2	-	1	2	GEN4C	GEN4A	122190A	TOX	D-A5546	D-A5546		D-A5546	N	MED	N	LPT1:,LP
3	-	1	2	GEN4C	GEN4A	122190A	TOX	D-A5547	D-A5547		D-A5547	N	MED	N	LPT1:,LP
4	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5548	D-A5548		D-A5548	N	MLOW	N	LPT1:
5	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5549	D-A5549		D-A5549	N	MLOW	N	LPT1:
6	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5550	D-A5550		D-A5550	-	-	-	LPT1:
7	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5551	D-A5551		D-A5551	-	-	-	LPT1:
8	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5552	D-A5552		D-A5552	-	-	-	LPT1:
9	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5553	D-A5553		D-A5553	-	-	-	LPT1:
10	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5554	D-A5554		D-A5554	-	-	-	LPT1:
11	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5555	D-A5555		D-A5555	-	-	-	LPT1:
12	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5556	D-A5556		D-A5556	-	-	-	LPT1:
13	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5557	D-A5557		D-A5557	-	-	-	LPT1:
14	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5558	D-A5558		D-A5558	-	-	-	LPT1:
15	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5559	D-A5559		D-A5559	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5560	D-A5560		D-A5560	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5561	D-A5561		D-A5561	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5562	D-A5562		D-A5562	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5563	D-A5563		D-A5563	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5564	D-A5564		D-A5564	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5565	D-A5565		D-A5565	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5566	D-A5566		D-A5566	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5567	D-A5567		D-A5567	-	-	-	LPT1:
24	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5568	D-A5568		D-A5568	-	-	-	LPT1:
25	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5569	D-A5569		D-A5569	-	-	-	LPT1:
26	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5570	D-A5570		D-A5570	-	-	-	LPT1:
27	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5571	D-A5571		D-A5571	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5572	D-A5572		D-A5572	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5573	D-A5573		D-A5573	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5574	D-A5574		D-A5574	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5575	D-A5575		D-A5575	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5576	D-A5576		D-A5576	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5577	D-A5577		D-A5577	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5578	D-A5578		D-A5578	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5579	D-A5579		D-A5579	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5580	D-A5580		D-A5580	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5581	D-A5581		D-A5581	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5582	D-A5582		D-A5582	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5583	D-A5583		D-A5583	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5584	D-A5584		D-A5584	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5585	D-A5585		D-A5585	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5586	D-A5586		D-A5586	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5587	D-A5587		D-A5587	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5588	D-A5588		D-A5588	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5589	D-A5589		D-A5589	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5590	D-A5590		D-A5590	-	-	-	LPT1:
47	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5591	D-A5591		D-A5591	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5592	D-A5592		D-A5592	-	-	-	LPT1:
49	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5593	D-A5593		D-A5593	-	-	-	LPT1:

597
598
599

137	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5681	D-A5681	D-A5681	-	-	-	LPT1:
138	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5682	D-A5682	D-A5682	-	-	-	LPT1:
139	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5683	D-A5683	D-A5683	-	-	-	LPT1:
140	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5684	D-A5684	D-A5684	-	-	-	LPT1:
141	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5685	D-A5685	D-A5685	-	-	-	LPT1:
142	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5686	D-A5686	D-A5686	-	-	-	LPT1:
143	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5687	D-A5687	D-A5687	-	-	-	LPT1:
144	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5688	D-A5688	D-A5688	-	-	-	LPT1:
145	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5689	D-A5689	D-A5689	-	-	-	LPT1:
146	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5690	D-A5690	D-A5690	-	-	-	LPT1:
147	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5691	D-A5691	D-A5691	-	-	-	LPT1:
148	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5692	D-A5692	D-A5692	-	-	-	LPT1:
149	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5693	D-A5693	D-A5693	-	-	-	LPT1:
150	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5694	D-A5694	D-A5694	-	-	-	LPT1:
151	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5695	D-A5695	D-A5695	-	-	-	LPT1:
152	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5696	D-A5696	D-A5696	-	-	-	LPT1:
153	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5697	D-A5697	D-A5697	-	-	-	LPT1:
154	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5698	D-A5698	D-A5698	-	-	-	LPT1:
155	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5699	D-A5699	D-A5699	-	-	-	LPT1:
156	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5700	D-A5700	D-A5700	-	-	-	LPT1:
157	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5701	D-A5701	D-A5701	-	-	-	LPT1:
158	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5702	D-A5702	D-A5702	-	-	-	LPT1:
159	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5703	D-A5703	D-A5703	-	-	-	LPT1:
160	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5704	D-A5704	D-A5704	-	-	-	LPT1:
161	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5705	D-A5705	D-A5705	-	-	-	LPT1:
162	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5706	D-A5706	D-A5706	-	-	-	LPT1:
163	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5707	D-A5707	D-A5707	-	-	-	LPT1:
164	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5708	D-A5708	D-A5708	-	-	-	LPT1:
165	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5709	D-A5709	D-A5709	-	-	-	LPT1:
166	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5710	D-A5710	D-A5710	-	-	-	LPT1:
167	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5711	D-A5711	D-A5711	-	-	-	LPT1:
168	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5712	D-A5712	D-A5712	-	-	-	LPT1:
169	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5713	D-A5713	D-A5713	-	-	-	LPT1:
170	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5714	D-A5714	D-A5714	-	-	-	LPT1:
171	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5715	D-A5715	D-A5715	-	-	-	LPT1:
172	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5716	D-A5716	D-A5716	-	-	-	LPT1:
173	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5717	D-A5717	D-A5717	-	-	-	LPT1:
174	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5718	D-A5718	D-A5718	-	-	-	LPT1:
175	-	1	1	GEN4C	GEN4A	122190A	EVAL	D-A5719	D-A5719	D-A5719	-	-	-	LPT1:
176	-	1	6	GEN4C	GEN4A	122190A	INDA	D-A5720	D-A5720	D-A5720	-	-	-	LPT1:
177	-	1	11	GEN4C	GEN4A	122190A	INDA	D-A5721	D-A5721	D-A5721	-	-	-	LPT1:

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5080-G.SEQ
 Created by : DE11/02/98 on : 8/7/00 18:00
 Edited by : DE08/07/00 on : 8/7/00 18:19
 Description : QUAN TERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

Number of Times Edited : 1

Sequence File Header Information:

Number of Rows : 54
 Instrument Type : 760 / 900 Series Intelligent Interface
 Injection Type : SINGLE

Sequence Sample Descriptions - Channel B											
Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Norm. factor
1	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	100.000
2	Cal:Replace	MEDTOX, 5080-G.b	190-98-12		1.000	1.000	1.000	1.000	333.000	1.000	100.000
3	Cal:Replace	MEDCHLOR, 5080-G	190-85-10		1.000	1.000	1.000	1.000	333.000	1.000	100.000
4	Cal:Replace	LOWIX, 5080-G.b,	190-80-6		1.000	1.000	1.000	1.000	1.000	1.000	100.000
5	Cal:Replace	MLOWIX, 5080-G.b	190-80-7		1.000	1.000	1.000	1.000	1.000	1.000	100.000
6	Cal:Replace	MEDIX, 5080-G.b,	190-80-8		1.000	1.000	1.000	1.000	1.000	1.000	100.000
7	Cal:Replace	MHIGHIX, 5080-G.	190-80-9		1.000	1.000	1.000	1.000	1.000	1.000	100.000
8	Cal:Replace	HIGHIX, 5080-G.b	190-80-10		1.000	1.000	1.000	1.000	1.000	1.000	100.000
9	Cal:Replace	LOWF, 5080-G.b,,	190-74-1		1.000	1.000	1.000	1.000	1.000	1.000	100.000
10	Cal:Replace	MLOWF, 5080-G.b,	190-74-2		1.000	1.000	1.000	1.000	1.000	1.000	100.000
11	Cal:Replace	MEDF, 5080-G.b,,	190-74-3		1.000	1.000	1.000	1.000	1.000	1.000	100.000
12	Cal:Replace	MHIGHF, 5080-G.b	190-74-4		1.000	1.000	1.000	1.000	1.000	1.000	100.000
13	Cal:Replace	HIGHF, 5080-G.b,	190-74-5		1.000	1.000	1.000	1.000	1.000	1.000	100.000
14	Cal:Replace	LOWA, 5080-G.b,,	190-84-1		1.000	1.000	1.000	1.000	1.000	1.000	100.000
15	Cal:Replace	MLOWA, 5080-G.b,	190-84-2		1.000	1.000	1.000	1.000	1.000	1.000	100.000
16	Cal:Replace	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	100.000
17	Cal:Replace	MHIGHA, 5080-G.b	190-84-4		1.000	1.000	1.000	1.000	1.000	1.000	100.000
18	Cal:Replace	HIGHA, 5080-G.b,	190-84-5		1.000	1.000	1.000	1.000	1.000	1.000	100.000
19	Cal:Replace	LOWB, 5080-G.b,,	190-84-7		1.000	1.000	1.000	1.000	1.000	1.000	100.000
20	Cal:Replace	MLOWB, 5080-G.b,	190-84-8		1.000	1.000	1.000	1.000	1.000	1.000	100.000
21	Cal:Replace	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	100.000
22	Cal:Replace	MHIGHB, 5080-G.b	190-84-10		1.000	1.000	1.000	1.000	1.000	1.000	100.000
23	Cal:Replace	HIGHB, 5080-G.b,	190-84-11		1.000	1.000	1.000	1.000	1.000	1.000	100.000
24	Std Check	2ND A, 5080-G.b,	190-82-2		1.000	1.000	1.000	1.000	1.000	1.000	100.000
25	Std Check	2ND B, 5080-G.b,	190-82-5		1.000	1.000	1.000	1.000	1.000	1.000	100.000
26	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	100.000
27	Sample	DGRC1101, 5080-G	140198BLK		1.000	1.000	1.000	1.000	1.000	1.000	100.000
28	Sample	DGRC1102, 5080-G	140198LCS		1.000	1.000	1.000	1.000	1.000	1.000	100.000
29	Sample	DGRC1103, 5080-G	140198LCD		1.000	1.000	1.000	1.000	1.000	1.000	100.000
30	Sample	DG7T7101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	100.000
31	Sample	DG7T7101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	100.000
32	Sample	DG7T7101, 5080-G	140198018		1.000	1.000	1.000	1.000	1.000	1.000	100.000
33	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	100.000
34	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	100.000
35	Sample	DG7TA101, 5080-G	140198019		1.000	1.000	1.000	1.000	1.000	1.000	100.000
36	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	100.000
37	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	100.000
38	Sample	DG7TC101, 5080-G	140198020		1.000	1.000	1.000	1.000	1.000	1.000	100.000
39	Sample	~~DGD7P101, 5080-G~~	~~180137004~~		1.000	1.000	1.000	1.000	1.000	1.000	100.000
40	Sample	DGD7P101, 5080-G	180137004S		1.000	1.000	1.000	1.000	1.000	1.000	100.000
41	Sample	DGD7P10M, 5080-G	180137004D		1.000	1.000	1.000	1.000	1.000	1.000	100.000
42	Sample	DGM9M101, 5080-G	180137BLK		1.000	1.000	1.000	1.000	1.000	1.000	100.000
43	Sample	~~DGM9M102, 5080-G~~	~~180137LCS~~		1.000	1.000	1.000	1.000	1.000	1.000	100.000
44	Sample	DHEH6101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	100.000
45	Sample	DHEH6102, 5080-G	030147LCS		1.000	1.000	1.000	1.000	1.000	1.000	100.000
46	Sample	DHEH6103, 5080-G	030147LCD		1.000	1.000	1.000	1.000	1.000	1.000	100.000
47	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	100.000
48	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	100.000
49	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	100.000
50	Sample	DH991102, 5080-G	030147019		1.000	1.000	1.000	1.000	1.000	1.000	100.000
51	Sample	DHA8R102, 5080-G	030241009		1.000	1.000	1.000	1.000	1.000	1.000	100.000
52	Sample	DHA9A102, 5080-G	030241012		1.000	1.000	1.000	1.000	1.000	1.000	100.000
53	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	100.000
54	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	100.000

668	600	Method	Method	Method	Format	File	File	File	Raw File	Rpt	Name	RT	Dev	
1	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5151	D-B5151		D-B5151	-	-	LPT1:
2	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5152	D-B5152		D-B5152	N	MED	LPT1:,LP
3	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5153	D-B5153		D-B5153	N	MED	LPT1:,LP
4	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5154	D-B5154		D-B5154	N	LOW	LPT1:
5	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5155	D-B5155		D-B5155	N	MLOW	LPT1:
6	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5156	D-B5156		D-B5156	N	MLOW	LPT1:
7	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5157	D-B5157		D-B5157	N	MLOW	LPT1:
8	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5158	D-B5158		D-B5158	N	MLOW	LPT1:
9	-	1	4	GEN4C	GEN4B	122190A	INDA	D-B5159	D-B5159		D-B5159	N	LOW	LPT1:
10	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5160	D-B5160		D-B5160	N	MLOW	LPT1:
11	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5161	D-B5161		D-B5161	N	MLOW	LPT1:
12	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5162	D-B5162		D-B5162	N	MLOW	LPT1:
13	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5163	D-B5163		D-B5163	N	MLOW	LPT1:
14	-	1	4	GEN4C	GEN4B	122190A	INDA	D-B5164	D-B5164		D-B5164	N	LOW	LPT1:
15	-	1	5	GEN4C	GEN4B	122190A	INDA	D-B5165	D-B5165		D-B5165	N	MLOW	LPT1:
16	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5166	D-B5166		D-B5166	N	MLOW	LPT1:
17	-	1	7	GEN4C	GEN4B	122190A	INDA	D-B5167	D-B5167		D-B5167	N	MLOW	LPT1:
18	-	1	8	GEN4C	GEN4B	122190A	INDA	D-B5168	D-B5168		D-B5168	N	MLOW	LPT1:
19	-	1	9	GEN4C	GEN4B	122190A	INDA	D-B5169	D-B5169		D-B5169	N	LOW	LPT1:
20	-	1	10	GEN4C	GEN4B	122190A	INDA	D-B5170	D-B5170		D-B5170	N	MLOW	LPT1:
21	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5171	D-B5171		D-B5171	N	MLOW	LPT1:
22	-	1	12	GEN4C	GEN4B	122190A	INDA	D-B5172	D-B5172		D-B5172	N	MLOW	LPT1:
23	-	1	13	GEN4C	GEN4B	122190A	INDA	D-B5173	D-B5173		D-B5173	N	MLOW	LPT1:
24	-	1	23	GEN4C	GEN4B	122190A	INDA	D-B5174	D-B5174		D-B5174	-	-	LPT1:
25	-	1	24	GEN4C	GEN4B	122190A	INDA	D-B5175	D-B5175		D-B5175	-	-	LPT1:
26	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5176	D-B5176		D-B5176	-	-	LPT1:
27	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5177	D-B5177		D-B5177	-	-	LPT1:
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5178	D-B5178		D-B5178	-	-	LPT1:
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5179	D-B5179		D-B5179	-	-	LPT1:
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5180	D-B5180		D-B5180	-	-	LPT1:
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5181	D-B5181		D-B5181	-	-	LPT1:
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5182	D-B5182		D-B5182	-	-	LPT1:
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5183	D-B5183		D-B5183	-	-	LPT1:
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5184	D-B5184		D-B5184	-	-	LPT1:
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5185	D-B5185		D-B5185	-	-	LPT1:
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5186	D-B5186		D-B5186	-	-	LPT1:
37	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5187	D-B5187		D-B5187	-	-	LPT1:
38	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5188	D-B5188		D-B5188	-	-	LPT1:
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5189	D-B5189		D-B5189	-	-	LPT1:
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5190	D-B5190		D-B5190	-	-	LPT1:
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5191	D-B5191		D-B5191	-	-	LPT1:
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5192	D-B5192		D-B5192	-	-	LPT1:
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5193	D-B5193		D-B5193	-	-	LPT1:
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5194	D-B5194		D-B5194	-	-	LPT1:
45	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5195	D-B5195		D-B5195	-	-	LPT1:
46	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5196	D-B5196		D-B5196	-	-	LPT1:
47	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5197	D-B5197		D-B5197	-	-	LPT1:
48	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5198	D-B5198		D-B5198	-	-	LPT1:
49	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5199	D-B5199		D-B5199	-	-	LPT1:
50	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5200	D-B5200		D-B5200	-	-	LPT1:
51	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5201	D-B5201		D-B5201	-	-	LPT1:
52	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5202	D-B5202		D-B5202	-	-	LPT1:
53	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5203	D-B5203		D-B5203	-	-	LPT1:
54	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5204	D-B5204		D-B5204	-	-	LPT1:

Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5160-G.SEQ
 Created by : DE11/02/98 on : 8/16/00 16:49
 Edited by : LM08/16/00 on : 8/20/00 12:06
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

Number of Times Edited : 5

Sequence File Header Information:

Number of Rows : 175
 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, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal:Replace	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Cal:Replace	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Sample	DH98T103, 5080-G	030147017		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Sample	DH98X103, 5080-G	030147018		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DH99S103, 5080-G	030147020		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	DH997103, 5080-G	030147021		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	DH99710W, 5080-G	030147021S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	DH99710X, 5080-G	030147021D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DH998103, 5080-G	030147022		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	DH999103, 5080-G	030147023		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	DH99C103, 5080-G	030147024		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	DH99D103, 5080-G	030147025		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	DH99E103, 5080-G	030147026		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	DH99F103, 5080-G	030147027		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	DH99H103, 5080-G	030147028		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DH99K103, 5080-G	030147029		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DH99L103, 5080-G	030147030		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DH99M103, 5080-G	030147031		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DH99P103, 5080-G	030147032		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DH99Q103, 5080-G	030147033		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DHFAK101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DHFAK102, 5080-G	030147LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Sample	DHA88106, 5080-G	030241006S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Sample	DHA88107, 5080-G	030241006D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DHA7D103, 5080-G	030241001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DHA7J103, 5080-G	030241002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DHA7X103, 5080-G	030241003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DHA81103, 5080-G	030241004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DHA85103, 5080-G	030241005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DHA88105, 5080-G	030241006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DHA8H103, 5080-G	030241007		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DHA8M103, 5080-G	030241008		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DHA90105, 5080-G	030241010		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DHA90106, 5080-G	030241010S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DHA90107, 5080-G	030241010D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DHA98103, 5080-G	030241011		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DHA90103, 5080-G	030241013		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DHA9H103, 5080-G	030241014		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DHJFJ101, 5080-G	030241BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHJFJ102, 5080-G	030241LCS		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DHFAJ101, 5080-G	030147BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Std Check	MEDA, 5080-G.b,,	190-84-3		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Std Check	MEDB, 5080-G.b,,	190-84-9		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Std Check	EVALB, 5080-G.b,	190-88-8		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Sample	DGXML104, 5080-G	270304001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Sample	DGXLN108, 5080-G	270304002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Sample	DGXLN109, 5080-G	270304002S		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DGXLN10A, 5080-G	270304002D		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	DGXLQ104, 5080-G	270304003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DGXLRI04, 5080-G	270304004		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DGXL7104, 5080-G	270303001		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DGXL9104, 5080-G	270303002		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DGXLAI04, 5080-G	270303003		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DGXLFI04, 5080-G	270303005		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DGXLHI04, 5080-G	270303006		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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60	Sample	DGXLK104, 5080-G	270303007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample	DH1Q6104, 5080-G	280267002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	DH1QF104, 5080-G	280267003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	DH1QW108, 5080-G	280267004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	DH1QW109, 5080-G	280267004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	DH1QW10A, 5080-G	280267004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	DH3P0104, 5080-G	310113001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	DHCME101, 5080-G	270304BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	DHCME102, 5080-G	270304LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Std Check	EVALB, 5080-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Sample	DH3P2104, 5080-G	310113002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Sample	DH3P3104, 5080-G	310113003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Sample	DH3PV104, 5080-G	310118001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	DH3PV115, 5080-G	310118001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	DH3PV116, 5080-G	310118001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	DHPE310M, 5080-G	110155002S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	DHPE310N, 5080-G	110155002D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	DHPDW103, 5080-G	110155001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	DHPE3103, 5080-G	110155002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	DHPE4103, 5080-G	110155003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	DHPE6103, 5080-G	110155004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	DHPE7103, 5080-G	110155005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	DHPE8103, 5080-G	110155006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Sample	DHPE9103, 5080-G	110155007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample	DHPEA103, 5080-G	110155008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	DHPED103, 5080-G	110155009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	DHPEE103, 5080-G	110155010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample	DHPF2103, 5080-G	110157001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	DJ0KG101, 5080-G	110155BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample	DJ0KG102, 5080-G	110155LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Std Check	EVALB, 5080-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Sample	DHQXN104, 5080-G	120157001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample	DHQXQ104, 5080-G	120157002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
97	Sample	DHQXR104, 5080-G	120157003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
98	Sample	DHLFP102, 5080-G	080193LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
99	Sample	DHHT1108, 5080-G	080193002S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
100	Sample	DHHT1109, 5080-G	080193002D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
101	Sample	DHGQW102, 5080-G	030303LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
102	Sample	DHHTH108, 5080-G	080195001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
103	Sample	DHHTH109, 5080-G	080195001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
104	Sample	DHHTH10A, 5080-G	080195001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
105	Sample	DHHV9104, 5080-G	080195002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
106	Sample	DHHVD104, 5080-G	080195003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Sample	DHHVE104, 5080-G	080195004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	DHL9H101, 5080-G	080195BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
109	Sample	DHL9H102, 5080-G	080195LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
110	Sample	DHN8010A, 5080-G	100270001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
111	Sample	DHN8810A, 5080-G	100270002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
112	Sample	DHQ8V101, 5080-G	100270BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
113	Sample	DHQ8V102, 5080-G	100270LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
114	Sample	DHQ8V103, 5080-G	100270LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
116	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
117	Std Check	EVALB, 5080-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
118	Sample	DHN8910A, 5080-G	100270003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
119	Sample	DHN8C10A, 5080-G	100270004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
120	Sample	DHN8H10A, 5080-G	100270005	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
121	Sample	~~DHN8P10A, 5080-G~~	~~100270006~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Sample	DHN8V10A, 5080-G	100270007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
123	Sample	DHN9010A, 5080-G	100270008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
124	Sample	DHN9310A, 5080-G	100270009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
125	Sample	DHN9410A, 5080-G	100270010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
126	Sample	DJ2MH101, 5080-G	150124BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
127	Sample	DJ2MH102, 5080-G	150124LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
128	Sample	DJ2MH103, 5080-G	150124LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
129	Sample	DHV31102, 5080-G	150124001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
130	Sample	DHV34102, 5080-G	150124002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
131	Sample	DJ0KC101, 5080-G	150146BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
132	Sample	DJ0KC102, 5080-G	150146LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
133	Sample	DJ0KC103, 5080-G	150146LCD	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
134	Sample	~~DHV2M103, 5080-G~~	~~150146001~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
135	Sample	DHDK3104, 5080-G	040186001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
136	Sample	DHGWE101, 5080-G	040186BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
137	Sample	DHGWE102, 5080-G	040186LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
138	Cal: Replace	MEDIX, 5080-G.b.,	190-80-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
139	Cal: Replace	MEDF, 5080-G.b.,	190-74-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
140	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
141	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
142	Std Check	EVALB, 5080-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
143	Sample	DHDK3106, 5080-G	040186001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
144	Sample	DHDK3107, 5080-G	040186001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
145	Sample	DHDK6104, 5080-G	040186002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
146	Sample	DH16L113, 5080-G	280199001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

147	Sample	DHE31113, 5080-G	040234001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
148	Sample	DGLH4103, 5080-G	210219-2	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
149	Sample	~~BGLF4113, 5080-G~~	~~210212001~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
150	Sample	DGXDR113, 5080-G	270269001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
151	Sample	DHKQ4102, 5080-G	090213002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
152	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
153	Sample	DHKQ4112, 5080-G	090213002S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
154	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
155	Sample	DHKQ4113, 5080-G	090213002D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
156	Sample			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
157	Sample	DJOKE101, 5080-G	090213BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
158	Sample	DJOKE102, 5080-G	090213LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
159	Cal:Replace	MEDIX, 5080-G.b.,	190-80-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
160	Cal:Replace	MEDF, 5080-G.b.,	190-74-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
161	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
162	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
163	Std Check	EVALB, 5080-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
164	Sample	DHRPW104, 5080-G	140112001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
165	Sample	DHRPW115, 5080-G	140112001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
166	Sample	DHRPW116, 5080-G	140112001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
167	Sample	DHRQ4104, 5080-G	140112002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
168	Sample	DHRQA104, 5080-G	140112004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
169	Sample	DHRQA115, 5080-G	140112004S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
170	Sample	DHRQA116, 5080-G	140112004D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
171	Sample	DHRQE104, 5080-G	140112006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
172	Sample	DHV6K101, 5080-G	140112BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
173	Sample	DHV6K102, 5080-G	140112LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
174	Std Check	MEDA, 5080-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
175	Std Check	MEDB, 5080-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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-B5368	D-B5368		D-B5368	-	-	-	LPT1:
2	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5369	D-B5369		D-B5369	N	MLOW	N	LPT1:
3	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5370	D-B5370		D-B5370	N	MLOW	N	LPT1:
4	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5371	D-B5371		D-B5371	-	-	-	LPT1:
5	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5372	D-B5372		D-B5372	-	-	-	LPT1:
6	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5373	D-B5373		D-B5373	-	-	-	LPT1:
7	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5374	D-B5374		D-B5374	-	-	-	LPT1:
8	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5375	D-B5375		D-B5375	-	-	-	LPT1:
9	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5376	D-B5376		D-B5376	-	-	-	LPT1:
10	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5377	D-B5377		D-B5377	-	-	-	LPT1:
11	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5378	D-B5378		D-B5378	-	-	-	LPT1:
12	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5379	D-B5379		D-B5379	-	-	-	LPT1:
13	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5380	D-B5380		D-B5380	-	-	-	LPT1:
14	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5381	D-B5381		D-B5381	-	-	-	LPT1:
15	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5382	D-B5382		D-B5382	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5383	D-B5383		D-B5383	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5384	D-B5384		D-B5384	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5385	D-B5385		D-B5385	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5386	D-B5386		D-B5386	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5387	D-B5387		D-B5387	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5388	D-B5388		D-B5388	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5389	D-B5389		D-B5389	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5390	D-B5390		D-B5390	-	-	-	LPT1:
24	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5391	D-B5391		D-B5391	-	-	-	LPT1:
25	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5392	D-B5392		D-B5392	-	-	-	LPT1:
26	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5393	D-B5393		D-B5393	-	-	-	LPT1:
27	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5394	D-B5394		D-B5394	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5395	D-B5395		D-B5395	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5396	D-B5396		D-B5396	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5397	D-B5397		D-B5397	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5398	D-B5398		D-B5398	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5399	D-B5399		D-B5399	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5400	D-B5400		D-B5400	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5401	D-B5401		D-B5401	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5402	D-B5402		D-B5402	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5403	D-B5403		D-B5403	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5404	D-B5404		D-B5404	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5405	D-B5405		D-B5405	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5406	D-B5406		D-B5406	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5407	D-B5407		D-B5407	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5408	D-B5408		D-B5408	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5409	D-B5409		D-B5409	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5410	D-B5410		D-B5410	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5411	D-B5411		D-B5411	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5412	D-B5412		D-B5412	-	-	-	LPT1:
46	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5413	D-B5413		D-B5413	-	-	-	LPT1:
47	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5414	D-B5414		D-B5414	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5415	D-B5415		D-B5415	-	-	-	LPT1:
49	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5416	D-B5416		D-B5416	-	-	-	LPT1:
50	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5417	D-B5417		D-B5417	-	-	-	LPT1:
51	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5418	D-B5418		D-B5418	-	-	-	LPT1:

53	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5419	D-B5419	D-B5419	-	-	-	LPT1:
54	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5420	D-B5420	D-B5420	-	-	-	LPT1:
55	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5421	D-B5421	D-B5421	-	-	-	LPT1:
56	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5422	D-B5422	D-B5422	-	-	-	LPT1:
57	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5423	D-B5423	D-B5423	-	-	-	LPT1:
58	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5424	D-B5424	D-B5424	-	-	-	LPT1:
59	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5425	D-B5425	D-B5425	-	-	-	LPT1:
60	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5426	D-B5426	D-B5426	-	-	-	LPT1:
61	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5427	D-B5427	D-B5427	-	-	-	LPT1:
62	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5428	D-B5428	D-B5428	-	-	-	LPT1:
63	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5429	D-B5429	D-B5429	-	-	-	LPT1:
64	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5430	D-B5430	D-B5430	-	-	-	LPT1:
65	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5431	D-B5431	D-B5431	-	-	-	LPT1:
66	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5432	D-B5432	D-B5432	-	-	-	LPT1:
67	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5433	D-B5433	D-B5433	-	-	-	LPT1:
68	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5434	D-B5434	D-B5434	-	-	-	LPT1:
69	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5435	D-B5435	D-B5435	-	-	-	LPT1:
70	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5436	D-B5436	D-B5436	-	-	-	LPT1:
71	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5437	D-B5437	D-B5437	-	-	-	LPT1:
72	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5438	D-B5438	D-B5438	-	-	-	LPT1:
73	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5439	D-B5439	D-B5439	-	-	-	LPT1:
74	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5440	D-B5440	D-B5440	-	-	-	LPT1:
75	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5441	D-B5441	D-B5441	-	-	-	LPT1:
76	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5442	D-B5442	D-B5442	-	-	-	LPT1:
77	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5443	D-B5443	D-B5443	-	-	-	LPT1:
78	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5444	D-B5444	D-B5444	-	-	-	LPT1:
79	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5445	D-B5445	D-B5445	-	-	-	LPT1:
80	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5446	D-B5446	D-B5446	-	-	-	LPT1:
81	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5447	D-B5447	D-B5447	-	-	-	LPT1:
82	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5448	D-B5448	D-B5448	-	-	-	LPT1:
83	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5449	D-B5449	D-B5449	-	-	-	LPT1:
84	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5450	D-B5450	D-B5450	-	-	-	LPT1:
85	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5451	D-B5451	D-B5451	-	-	-	LPT1:
86	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5452	D-B5452	D-B5452	-	-	-	LPT1:
87	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5453	D-B5453	D-B5453	-	-	-	LPT1:
88	-	1	1	GEN4C	GEN4B	122190A	EVAL	D						

139	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5506	D-B5506	D-B5506	N	MLOW	N	LPT1:
140	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5507	D-B5507	D-B5507	-	-	-	LPT1:
141	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5508	D-B5508	D-B5508	-	-	-	LPT1:
142	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5509	D-B5509	D-B5509	-	-	-	LPT1:
143	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5510	D-B5510	D-B5510	-	-	-	LPT1:
144	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5511	D-B5511	D-B5511	-	-	-	LPT1:
145	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5512	D-B5512	D-B5512	-	-	-	LPT1:
146	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5513	D-B5513	D-B5513	-	-	-	LPT1:
147	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5514	D-B5514	D-B5514	-	-	-	LPT1:
148	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5515	D-B5515	D-B5515	-	-	-	LPT1:
149	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5516	D-B5516	D-B5516	-	-	-	LPT1:
150	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5517	D-B5517	D-B5517	-	-	-	LPT1:
151	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5518	D-B5518	D-B5518	-	-	-	LPT1:
152	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5519	D-B5519	D-B5519	-	-	-	LPT1:
153	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5520	D-B5520	D-B5520	-	-	-	LPT1:
154	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5521	D-B5521	D-B5521	-	-	-	LPT1:
155	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5522	D-B5522	D-B5522	-	-	-	LPT1:
156	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5523	D-B5523	D-B5523	-	-	-	LPT1:
157	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5524	D-B5524	D-B5524	-	-	-	LPT1:
158	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5525	D-B5525	D-B5525	-	-	-	LPT1:
159	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5526	D-B5526	D-B5526	N	MLOW	N	LPT1:
160	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5527	D-B5527	D-B5527	N	MLOW	N	LPT1:
161	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5528	D-B5528	D-B5528	-	-	-	LPT1:
162	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5529	D-B5529	D-B5529	-	-	-	LPT1:
163	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5530	D-B5530	D-B5530	-	-	-	LPT1:
164	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5531	D-B5531	D-B5531	-	-	-	LPT1:
165	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5532	D-B5532	D-B5532	-	-	-	LPT1:
166	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5533	D-B5533	D-B5533	-	-	-	LPT1:
167	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5534	D-B5534	D-B5534	-	-	-	LPT1:
168	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5535	D-B5535	D-B5535	-	-	-	LPT1:
169	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5536	D-B5536	D-B5536	-	-	-	LPT1:
170	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5537	D-B5537	D-B5537	-	-	-	LPT1:
171	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5538	D-B5538	D-B5538	-	-	-	LPT1:
172	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5539	D-B5539	D-B5539	-	-	-	LPT1:
173	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5540	D-B5540	D-B5540	-	-	-	LPT1:
174	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5541	D-B5541	D-B5541	-	-	-	LPT1:
175	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5542	D-B5542	D-B5542	-	-	-	LPT1:

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Turbochrom Sequence File : H:\ACQUIRE\MET_SEQ\5230-G.SEQ
 Created by : DE11/02/98 on : 8/23/00 11:07
 Edited by : LM08/23/00 on : 8/28/00 09:39
 Description : QUANTERRA PGH 8081 RUN ON GC#4 DB608/DB1701
 REVIEWED BY:

Number of Times Edited : 8

Sequence File Header Information:

Number of Rows : 177
 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, 5280-G.b.,	190-88-8	545		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Cal: Replace	MEDTOX, 5280-G.b	190-98-12			1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
3	Cal: Replace	MEDCHLOR, 5280-G	190-85-10			1.000	1.000	1.000	1.000	333.000	1.000	0.000	100.000
4	Cal: Replace	MEDA, 5280-G.b.,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Cal: Replace	MEDB, 5280-G.b.,	190-84-9			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	DGLF4113, 5280-G	210212001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Sample	DHN8P10A, 5280-G	100270006			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	DHV7M103, 5280-G	150146001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
9	Sample	~~DHLM6108, 5280-G~~	~~100137001~~			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
10	Sample	DHLXR108, 5280-G	100137002			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Sample	~~DHMT108, 5280-G~~	~~100137003~~			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	~~DHLYN108, 5280-G~~	~~100137004~~			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
13	Sample	DHM03108, 5280-G	100137005			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
14	Sample	DHM06108, 5280-G	100137006			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
15	Sample	DHM07108, 5280-G	100137007			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Sample	DHM0A108, 5280-G	100137008			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
17	Sample	DHM0A11G, 5280-G	100137008S			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
18	Sample	DHM0A11H, 5280-G	100137008D			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
19	Sample	DHM0E108, 5280-G	100137009			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
20	Sample	DHM0F108, 5280-G	100137010			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
21	Sample	DHM0M108, 5280-G	100137012			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
22	Sample	DHM0R108, 5280-G	100137014			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Sample	DJ412115, 5280-G	180213004S			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	DHQEW101, 5280-G	100137BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
25	Sample	DHQEW102, 5280-G	100137LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
26	Std Check	MEDA, 5280-G.b.,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
27	Std Check	MEDB, 5280-G.b.,	190-84-9	571		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Std Check	EVALB, 5280-G.b.,	190-88-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	DJ412116, 5280-G	180213004D			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Sample	DJ412104, 5280-G	180213004			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	DJ417104, 5280-G	180213005			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
32	Sample	DJ4WJ101, 5280-G	180213BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
33	Sample	DJ4WJ102, 5280-G	180213LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
34	Sample	DJ52C101, 5280-G	180213BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
35	Sample	DJ52C102, 5280-G	180213LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
36	Sample	DJ52C103, 5280-G	180213LCD			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
37	Sample	DJ401103, 5280-G	180213001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
38	Sample	DJ6M5101, 5280-G	160154BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
39	Sample	DJ6M5102, 5280-G	160154LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Sample	DHX40119, 5280-G	160154001S			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	DHX4011A, 5280-G	160154001D			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Sample	DHX40104, 5280-G	160154001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	DHX47104, 5280-G	160154002			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Sample	DHX4A104, 5280-G	160154003			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Sample	DJ0QL104, 5280-G	170113001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	DJ4C3101, 5280-G	170224BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
47	Sample	DJ4C3102, 5280-G	170224LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
48	Sample	DJ4C3103, 5280-G	170224LCD			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
49	Std Check	MEDA, 5280-G.b.,	190-84-3			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
50	Std Check	MEDB, 5280-G.b.,	190-84-9	594		1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
51	Std Check	EVALB, 5280-G.b.,	190-88-8			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
52	Sample	DJ1RT103, 5280-G	170224001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
53	Sample	DJ1WG103, 5280-G	170224003			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
54	Sample	DJ1X0103, 5280-G	170224004			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Sample	DJ2N3101, 5280-G	160223BLK			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample	DJ2N3102, 5280-G	160223LCS			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Sample	DJ2N3103, 5280-G	160223LCD			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	DHXN9104, 5280-G	160223001			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
59	Sample	DHXND104, 5280-G	160223002			1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

60	Sample	DHKNF10A, 5280-G	160223003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
61	Sample	DHGDH103, 5280-G	070171001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Sample	DHGDH103, 5280-G	070171003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	DHGDH103, 5280-G	070171009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
64	Sample	DHGDH103, 5280-G	070171013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
65	Sample	DHGE3103, 5280-G	070171015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
66	Sample	DHGE5103, 5280-G	070171017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
67	Sample	DHGE7103, 5280-G	070171019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
68	Sample	DHNLX101, 5280-G	070171BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
69	Sample	DHNLX102, 5280-G	070171LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
70	Sample	DHNLX103, 5280-G	070171LCD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
71	Sample	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
72	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
73	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Std Check	DHGE103, 5280-G	070171021	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	DHGE103, 5280-G	070171023	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
76	Sample	DHGEH103, 5280-G	070171026	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
77	Sample	DHGEH103, 5280-G	070171020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
78	Sample	DHGE103, 5280-G	070171030	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
79	Sample	DHGE103, 5280-G	070171032	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
80	Sample	DHGEW103, 5280-G	070171034	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
81	Sample	DJOFK101, 5280-G	070171BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
82	Sample	DJOFK102, 5280-G	070171LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
83	Sample	DJOFK103, 5280-G	070171LCD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
84	Sample	DHGDK103, 5280-G	070171005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
85	Sample	DHGE103, 5280-G	070171025	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Sample	DHGF9103, 5280-G	070171036	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	DHGFH103, 5280-G	070171037	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
88	Sample	DHGFN103, 5280-G	070171038	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
89	Sample	DHXCX103, 5280-G	070171040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
90	Sample	DJ1Q4104, 5280-G	170215001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
91	Sample	DJ1Q8109, 5280-G	170215003S	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
92	Sample	DJ8V4101, 5280-G	170215BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
93	Sample	DJ8V4102, 5280-G	170215LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
94	Sample	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
97	Std Check	DJ1Q810A, 5280-G	170215003D	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
98	Sample	DJ1Q4104, 5280-G	170215002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
99	Sample	DJ1Q8108, 5280-G	170215003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
100	Sample	DJ1QF104, 5280-G	170215004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
101	Sample	DJ1QG104, 5280-G	170215005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
102	Sample	DJ1QJ104, 5280-G	170215006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
103	Sample	DJ4MR104, 5280-G	180281001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
104	Sample	DJ4MR104, 5280-G	180281002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
105	Sample	DHXCDA104, 5280-G	160189001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
106	Sample	DHXXDG104, 5280-G	160189002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
107	Sample	DHXXDH104, 5280-G	160189003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
108	Sample	DHXXDL104, 5280-G	160189004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
109	Sample	DHXXDP104, 5280-G	160189005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
110	Sample	DHXXDT104, 5280-G	160189006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
111	Sample	DHXXDV104, 5280-G	160189007	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
112	Sample	DHXXDX104, 5280-G	160189008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
113	Sample	DJ1FM104, 5280-G	170209001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
114	Sample	DJ6ML101, 5280-G	180282BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
115	Sample	DJ6ML102, 5280-G	180282LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
116	Sample	DJ6ML103, 5280-G	180282LCD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
117	Sample	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
118	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
119	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
120	Std Check	DJ4P1103, 5280-G	180282004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
121	Sample	DJ4NQ103, 5280-G	180282003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
122	Sample	DJ4P6103, 5280-G	180282006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
123	Sample	DJ4P8103, 5280-G	180282007	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
124	Sample	DJ4PA103, 5280-G	180282008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
125	Sample	DJ4PD103, 5280-G	180282009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
126	Sample	DJ4PF103, 5280-G	180282010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
127	Sample	DJ4PL103, 5280-G	180282011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
128	Sample	DJ4PM103, 5280-G	180282012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
129	Sample	DHMOK108, 5280-G	100137011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
130	Sample	DHMON108, 5280-G	100137013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
131	Sample	DJAQ1101, 5280-G	100137BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
132	Sample	DJAQ1102, 5280-G	100137LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
133	Sample	DJAQ1103, 5280-G	100137LCD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
134	Sample	DHV4Q104, 5280-G	150136001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
135	Sample	DHV58104, 5280-G	150136002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
136	Sample	DHV5C104, 5280-G	150136003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
137	Sample	DHV5E108, 5280-G	150136004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
138	Sample	DJ023101, 5280-G	150136BLK	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
139	Sample	DJ023102, 5280-G	150136LCS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
140	Sample	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
141	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
142	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
143	Std Check	DHV5E109, 5280-G	150136004S	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
144	Sample	DHV5E10A, 5280-G	150136004D	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
145	Sample	DHV5E104, 5280-G	150136006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
146	Sample	DHV5E104, 5280-G	150136006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

146 Sample City
STL Pittsburgh

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668 #608

147	Sample	DHV5K104, 5280-G	150136006	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
148	Sample	DHV5M104, 5280-G	150136007	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
149	Sample	~~DHV5Q104, 5280-G~~	~~150136008~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
150	Sample	DHV5T104, 5280-G	150136009	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
151	Sample	DHV5K104, 5280-G	150136010	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
152	Sample	DHV60104, 5280-G	150136011	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
153	Sample	DJAN5101, 5280-G	180278BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
154	Sample	DJAN5102, 5280-G	180278LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
155	Sample	DJ4M410M, 5280-G	180278001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
156	Sample	DJ4M410N, 5280-G	180278001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
157	Sample	DJ4M4103, 5280-G	180278001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
158	Sample	DJ7C810V, 5280-G	220139001S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
159	Sample	DJ7C810W, 5280-G	220139001D	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
160	Sample	DJ7C8104, 5280-G	220139001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
161	Sample	DJ7C9104, 5280-G	220139002	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
162	Sample	DJDTA101, 5280-G	220139BLK	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
163	Sample	DJDTA102, 5280-G	220139LCS	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
164	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
165	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
166	Std Check	EVALB, 5280-G.b.,	190-88-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
167	Sample	DJ7CC104, 5280-G	220139003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
168	Sample	DHLX6108, 5280-G	100137001	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
169	Sample	~~DHLXN108, 5280-G~~	~~100137002~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
170	Sample	DHLXT108, 5280-G	100137003	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
171	Sample	DHLXW108, 5280-G	100137004	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
172	Sample	~~DHMO6108, 5280-G~~	~~100137005~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
173	Sample	DHMOA108, 5280-G	100137008	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
174	Sample	DHMOA11G, 5280-G	100137008S	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
175	Sample	~~DHMOA11H, 5280-G~~	~~100137008D~~	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
176	Std Check	MEDA, 5280-G.b.,	190-84-3	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
177	Std Check	MEDB, 5280-G.b.,	190-84-9	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000

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-B5545	D-B5545		D-B5545	-	-	-	LPT1:
2	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5546	D-B5546		D-B5546	N	MED	N	LPT1:,LP
3	-	1	2	GEN4C	GEN4B	122190A	TOX	D-B5547	D-B5547		D-B5547	N	MED	N	LPT1:,LP
4	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5548	D-B5548		D-B5548	N	MLOW	N	LPT1:
5	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5549	D-B5549		D-B5549	N	MLOW	N	LPT1:
6	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5550	D-B5550		D-B5550	-	-	-	LPT1:
7	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5551	D-B5551		D-B5551	-	-	-	LPT1:
8	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5552	D-B5552		D-B5552	-	-	-	LPT1:
9	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5553	D-B5553		D-B5553	-	-	-	LPT1:
10	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5554	D-B5554		D-B5554	-	-	-	LPT1:
11	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5555	D-B5555		D-B5555	-	-	-	LPT1:
12	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5556	D-B5556		D-B5556	-	-	-	LPT1:
13	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5557	D-B5557		D-B5557	-	-	-	LPT1:
14	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5558	D-B5558		D-B5558	-	-	-	LPT1:
15	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5559	D-B5559		D-B5559	-	-	-	LPT1:
16	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5560	D-B5560		D-B5560	-	-	-	LPT1:
17	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5561	D-B5561		D-B5561	-	-	-	LPT1:
18	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5562	D-B5562		D-B5562	-	-	-	LPT1:
19	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5563	D-B5563		D-B5563	-	-	-	LPT1:
20	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5564	D-B5564		D-B5564	-	-	-	LPT1:
21	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5565	D-B5565		D-B5565	-	-	-	LPT1:
22	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5566	D-B5566		D-B5566	-	-	-	LPT1:
23	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5567	D-B5567		D-B5567	-	-	-	LPT1:
24	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5568	D-B5568		D-B5568	-	-	-	LPT1:
25	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5569	D-B5569		D-B5569	-	-	-	LPT1:
26	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5570	D-B5570		D-B5570	-	-	-	LPT1:
27	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5571	D-B5571		D-B5571	-	-	-	LPT1:
28	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5572	D-B5572		D-B5572	-	-	-	LPT1:
29	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5573	D-B5573		D-B5573	-	-	-	LPT1:
30	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5574	D-B5574		D-B5574	-	-	-	LPT1:
31	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5575	D-B5575		D-B5575	-	-	-	LPT1:
32	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5576	D-B5576		D-B5576	-	-	-	LPT1:
33	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5577	D-B5577		D-B5577	-	-	-	LPT1:
34	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5578	D-B5578		D-B5578	-	-	-	LPT1:
35	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5579	D-B5579		D-B5579	-	-	-	LPT1:
36	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5580	D-B5580		D-B5580	-	-	-	LPT1:
37	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5581	D-B5581		D-B5581	-	-	-	LPT1:
38	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5582	D-B5582		D-B5582	-	-	-	LPT1:
39	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5583	D-B5583		D-B5583	-	-	-	LPT1:
40	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5584	D-B5584		D-B5584	-	-	-	LPT1:
41	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5585	D-B5585		D-B5585	-	-	-	LPT1:
42	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5586	D-B5586		D-B5586	-	-	-	LPT1:
43	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5587	D-B5587		D-B5587	-	-	-	LPT1:
44	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5588	D-B5588		D-B5588	-	-	-	LPT1:
45	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5589	D-B5589		D-B5589	-	-	-	LPT1:
46	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5590	D-B5590		D-B5590	-	-	-	LPT1:
47	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5591	D-B5591		D-B5591	-	-	-	LPT1:
48	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5592	D-B5592		D-B5592	-	-	-	LPT1:
49	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5593	D-B5593		D-B5593	-	-	-	LPT1:

137	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5681	D-B5681	D-B5681	-	-	-	LPT1:
138	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5682	D-B5682	D-B5682	-	-	-	LPT1:
139	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5683	D-B5683	D-B5683	-	-	-	LPT1:
140	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5684	D-B5684	D-B5684	-	-	-	LPT1:
141	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5685	D-B5685	D-B5685	-	-	-	LPT1:
142	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5686	D-B5686	D-B5686	-	-	-	LPT1:
143	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5687	D-B5687	D-B5687	-	-	-	LPT1:
144	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5688	D-B5688	D-B5688	-	-	-	LPT1:
145	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5689	D-B5689	D-B5689	-	-	-	LPT1:
146	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5690	D-B5690	D-B5690	-	-	-	LPT1:
147	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5691	D-B5691	D-B5691	-	-	-	LPT1:
148	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5692	D-B5692	D-B5692	-	-	-	LPT1:
149	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5693	D-B5693	D-B5693	-	-	-	LPT1:
150	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5694	D-B5694	D-B5694	-	-	-	LPT1:
151	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5695	D-B5695	D-B5695	-	-	-	LPT1:
152	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5696	D-B5696	D-B5696	-	-	-	LPT1:
153	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5697	D-B5697	D-B5697	-	-	-	LPT1:
154	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5698	D-B5698	D-B5698	-	-	-	LPT1:
155	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5699	D-B5699	D-B5699	-	-	-	LPT1:
156	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5700	D-B5700	D-B5700	-	-	-	LPT1:
157	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5701	D-B5701	D-B5701	-	-	-	LPT1:
158	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5702	D-B5702	D-B5702	-	-	-	LPT1:
159	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5703	D-B5703	D-B5703	-	-	-	LPT1:
160	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5704	D-B5704	D-B5704	-	-	-	LPT1:
161	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5705	D-B5705	D-B5705	-	-	-	LPT1:
162	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5706	D-B5706	D-B5706	-	-	-	LPT1:
163	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5707	D-B5707	D-B5707	-	-	-	LPT1:
164	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5708	D-B5708	D-B5708	-	-	-	LPT1:
165	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5709	D-B5709	D-B5709	-	-	-	LPT1:
166	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5710	D-B5710	D-B5710	-	-	-	LPT1:
167	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5711	D-B5711	D-B5711	-	-	-	LPT1:
168	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5712	D-B5712	D-B5712	-	-	-	LPT1:
169	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5713	D-B5713	D-B5713	-	-	-	LPT1:
170	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5714	D-B5714	D-B5714	-	-	-	LPT1:
171	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5715	D-B5715	D-B5715	-	-	-	LPT1:
172	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5716	D-B5716	D-B5716	-	-	-	LPT1:
173	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5717	D-B5717	D-B5717	-	-	-	LPT1:
174	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5718	D-B5718	D-B5718	-	-	-	LPT1:
175	-	1	1	GEN4C	GEN4B	122190A	EVAL	D-B5719	D-B5719	D-B5719	-	-	-	LPT1:
176	-	1	6	GEN4C	GEN4B	122190A	INDA	D-B5720	D-B5720	D-B5720	-	-	-	LPT1:
177	-	1	11	GEN4C	GEN4B	122190A	INDA	D-B5721	D-B5721	D-B5721	-	-	-	LPT1:

PSR024 8/16/00 13:41:16 MT

SAMPLE CUSTODIAN REMOVAL REQUEST

PAGE 001

REQUESTED BY: YUSHINSC

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>
22D CLP1	DHV7M-1-03	___	259565	399411	I-09-QJ	CON150146	001		WATER	0	12 1

RELINQUISHED BY

RECEIVED BY

DATE/TIME

<i>F. Yushinski</i>	<i>F. Yushinski</i>	8-16-00 1545
<i>F. Yushinski</i>	<i>F. Yushinski</i>	8-16-00 2350
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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

668 612

PCB DATA

**PCB
QC SUMMARY**

668 614

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT QESSDG:

Lot #: COH150146

	CLIENT ID.	SRG01	SRG02	TOT OUT
	=====	=====	=====	=====
01	DF/S1/0227/IDW/003	0 D	0 D	02
02	METHOD BLK. DJ0KD101	88	86	00
03	LCS DJ0KD102	81	84	00
04	LCSD DJ0KD103	79	82	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

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: C0H160000

WO #: DJOKD102

BATCH: 0229481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.16	82	61- 118	
Aroclor 1260	10.0	9.19	92	61- 124	

NOTES(S) :

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

668 616

SW846 8082 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc.

Client: UXB INTERNATIONAL

Lab Code: QESPIT

SDG No:

Lot #: COH160000

WO #: DJ0KD103

BATCH: 0229481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
=====	=====	=====	=====	=====	=====
Aroclor 1016	10.0	8.02	80	61 - 118	
Aroclor 1260	10.0	8.99	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

DJ0KD101

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESPIT

SDG Number:

Lab File ID: H-A50394.

Lot Number: C0H150146

Matrix: WATER

Extraction Method:

Date Extracted: 08/16/00

Date Analyzed(1): 08/21/00

Date Analyzed(2): N/A

Time Analyzed(1): 11:40

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/S1/0227/IDW/003	DHV7M104	08/21/00	N/A
02	CHECK SAMPLE	DJ0KD102 C	08/21/00	N/A
03	DUPLICATE CHECK	DJ0KD103 L	08/21/00	N/A
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

668 618

**PCB
SAMPLE DATA**

UXB INTERNATIONAL

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID: C0H150146 001

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 1000 / mL

Date Received: 08/15/00

Work Order: DHV7M104

Date Extracted: 08/16/00

Dilution factor: 10

Date Analyzed: 08/21/00

Moisture %: NA

QC Batch: 0229481

Client Sample Id: DF/S1/0227/IDW/003

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
12674-11-2	Aroclor 1016	10	U
11104-28-2	Aroclor 1221	10	U
11141-16-5	Aroclor 1232	10	U
53469-21-9	Aroclor 1242	10	U
12672-29-6	Aroclor 1248	10	U
11097-69-1	Aroclor 1254	10	U
11096-82-5	Aroclor 1260	10	U

FORM I

STL - Pittsburgh

Data file : \\qpitpa02\d\chem\gc8.i\5100.b\H-A50393.D
Lab Smp Id: DHV7M104 Client Smp ID: DF/S1/0227/1DW/003
Inj Date : 21-AUG-2000 11:20
Operator : 010139 Inst ID: gc8.i
Smp Info : DHV7M104,5100.b
Misc Info : 150146001
Comment :
Method : \\qpitpa02\d\chem\gc8.i\5100.b\PCBA.m
Meth Date : 21-Aug-2000 11:58 EppingerD Quant Type: ESTD
Cal Date : 10-AUG-2000 12:57 Cal File: H-A50167.D
Als bottle: 7
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: PITPC061

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

Name	Value	Description
DF	10.000	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		
1.721	1.728 (-0.007)	292650 0.03710	3 7104		(RM)

8	Aroclor-1221		CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s)

14	Aroclor-1232		CAS #: 11141-16-5

Operator disabled compound identification.

Data File: \\qpitpa02\d\chem\gc8.i\5100.b\H-A50393.D
 Report Date: 21-Aug-2000 14:29

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
			RESPONSE (ng)	(ug/L)		
==	=====		=====	=====	=====	=====

15 Aroclor-1242

CAS #: 53469-21-9

Operator disabled compound identification.

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

Qualifier signal(s) failed ratio test.

\$ 34 Decachlorobiphenyl

CAS #: 2051-24-3

10.807 10.808 (-0.001)

5262 0.00184 0.18379

36 Aroclor-1260

CAS #: 11096-82-5

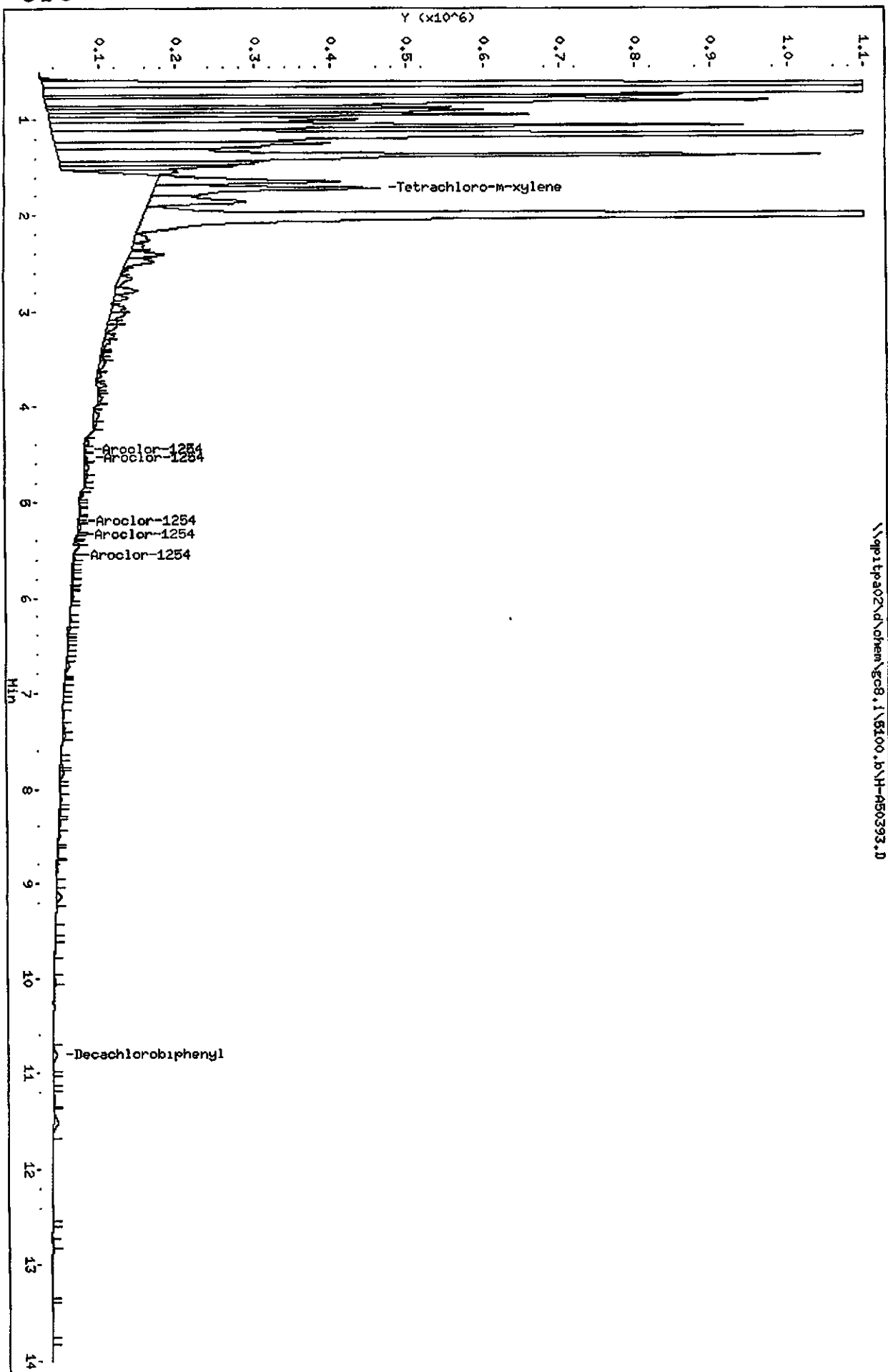
Peaks not detected for Quant. or Qual signal(s).

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Data File: \\gpi1p02\chem\ec8.1\5100.b\H-A50393.D
Date: 21-AUG-2000 11:20
Client ID: 27/21/2000/1211/002
Sample Info: DHV7M04, 5100.b
Volume Injected (uL): 1.0
Column Phase: DB608

Instrument: gc8.1
Operator: 010139
Column diameter: 0.53



**PCB
CALIBRATION DATA**

STL - Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2000 10:21
 End Cal Date : 10-AUG-2000 12:57
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.04
 Integrator : Falcon
 Method file : \\QPITPA02\D\chem\gc8.i\5100.b\PCBA.m
 Cal Date : 17-Aug-2000 13:30 eppingerd
 Curve Type : Average

Calibration File Names:

Level 1: \\QPITPA02\D\chem\gc8.i\5100.b\H-A50163.D
 Level 2: \\QPITPA02\D\chem\gc8.i\5100.b\H-A50164.D
 Level 3: \\QPITPA02\D\chem\gc8.i\5100.b\H-A50165.D
 Level 4: \\QPITPA02\D\chem\gc8.i\5100.b\H-A50166.D
 Level 5: \\QPITPA02\D\chem\gc8.i\5100.b\H-A50167.D

Compound	0.00500	0.01000	0.02500	0.05000	0.10000	RRF	% RSD	
-----	-----	-----	-----	-----	-----	-----	-----	-----
51 Chlordane(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
8 Aroclor-1221(1)	+++++	+++++	76892	+++++	+++++	76892	0.000	
(2)	+++++	+++++	47694	+++++	+++++	47694	0.000	
(3)	+++++	+++++	149032	+++++	+++++	149032	0.000	
14 Aroclor-1232(1)	+++++	+++++	95962	+++++	+++++	95962	0.000	
(2)	+++++	+++++	144212	+++++	+++++	144212	0.000	
(3)	+++++	+++++	94904	+++++	+++++	94904	0.000	
(4)	+++++	+++++	68974	+++++	+++++	68974	0.000	
15 Aroclor-1242(1)	+++++	+++++	170804	+++++	+++++	170804	0.000	
(2)	+++++	+++++	284522	+++++	+++++	284522	0.000	
(3)	+++++	+++++	128074	+++++	+++++	128074	0.000	
(4)	+++++	+++++	175920	+++++	+++++	175920	0.000	
(5)	+++++	+++++	119758	+++++	+++++	119758	0.000	
20 Aroclor-1016(1)	114100	147075	117000	106161	104661	117799	14.577	
(2)	231800	276635	223456	214240	206725	230571	11.896	
(3)	372850	441955	375704	368834	353413	382551	8.967	
(4)	165860	192840	165896	159843	153579	167604	8.949	
(5)	229720	267835	234088	222855	216509	234201	8.521	
21 Aroclor-1248(1)	+++++	+++++	191482	+++++	+++++	191482	0.000	
(2)	+++++	+++++	179814	+++++	+++++	179814	0.000	
(3)	+++++	+++++	216854	+++++	+++++	216854	0.000	
(4)	+++++	+++++	202740	+++++	+++++	202740	0.000	
(5)	+++++	+++++	216348	+++++	+++++	216348	0.000	

FINAL PAGE

PART I

ADMINISTRATIVE RECORD

PART I

FINAL PAGE