143002

Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2wh,01204a.b,clp31,i-clp90.sub

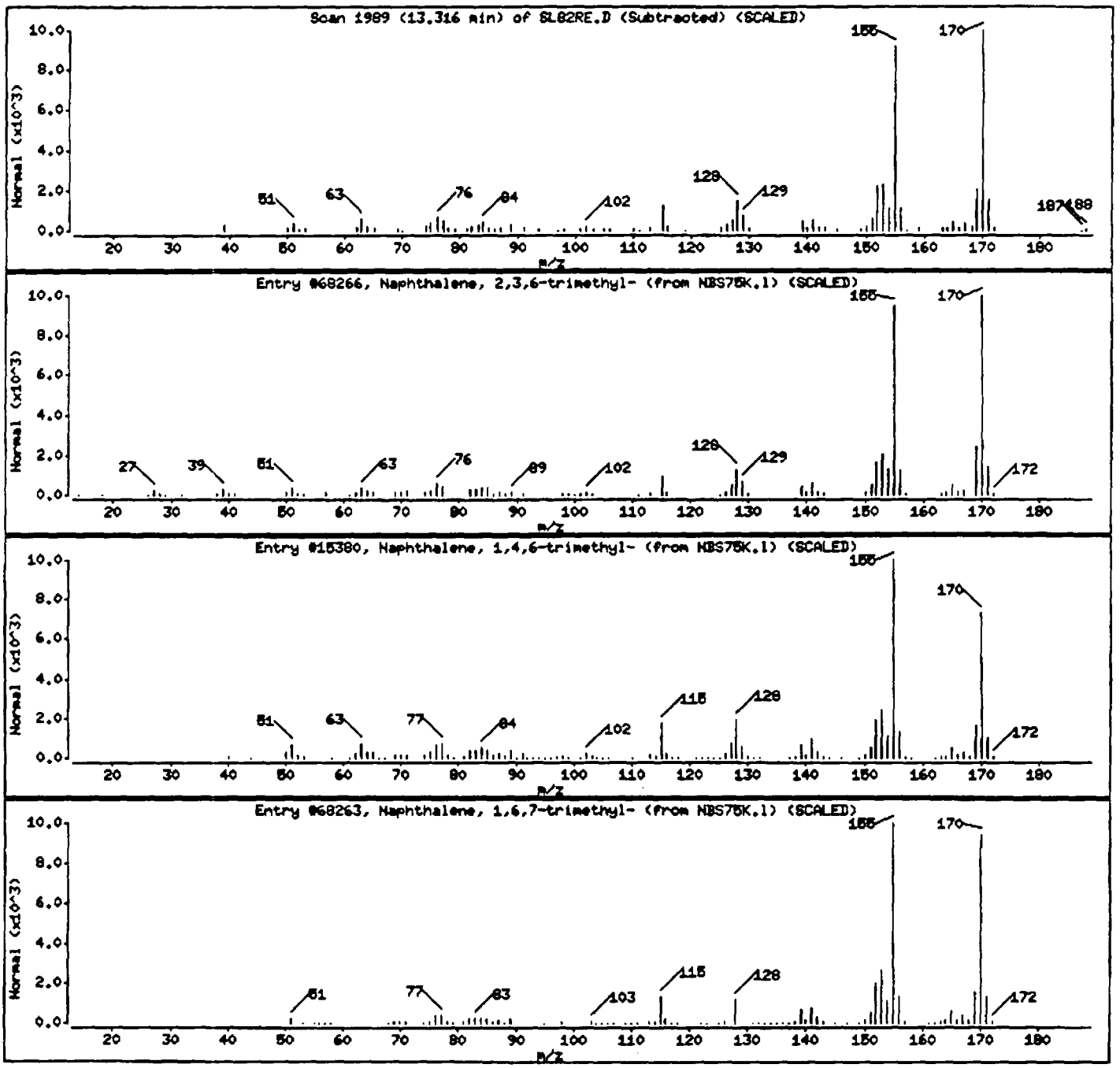
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	95	C13H14	170



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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

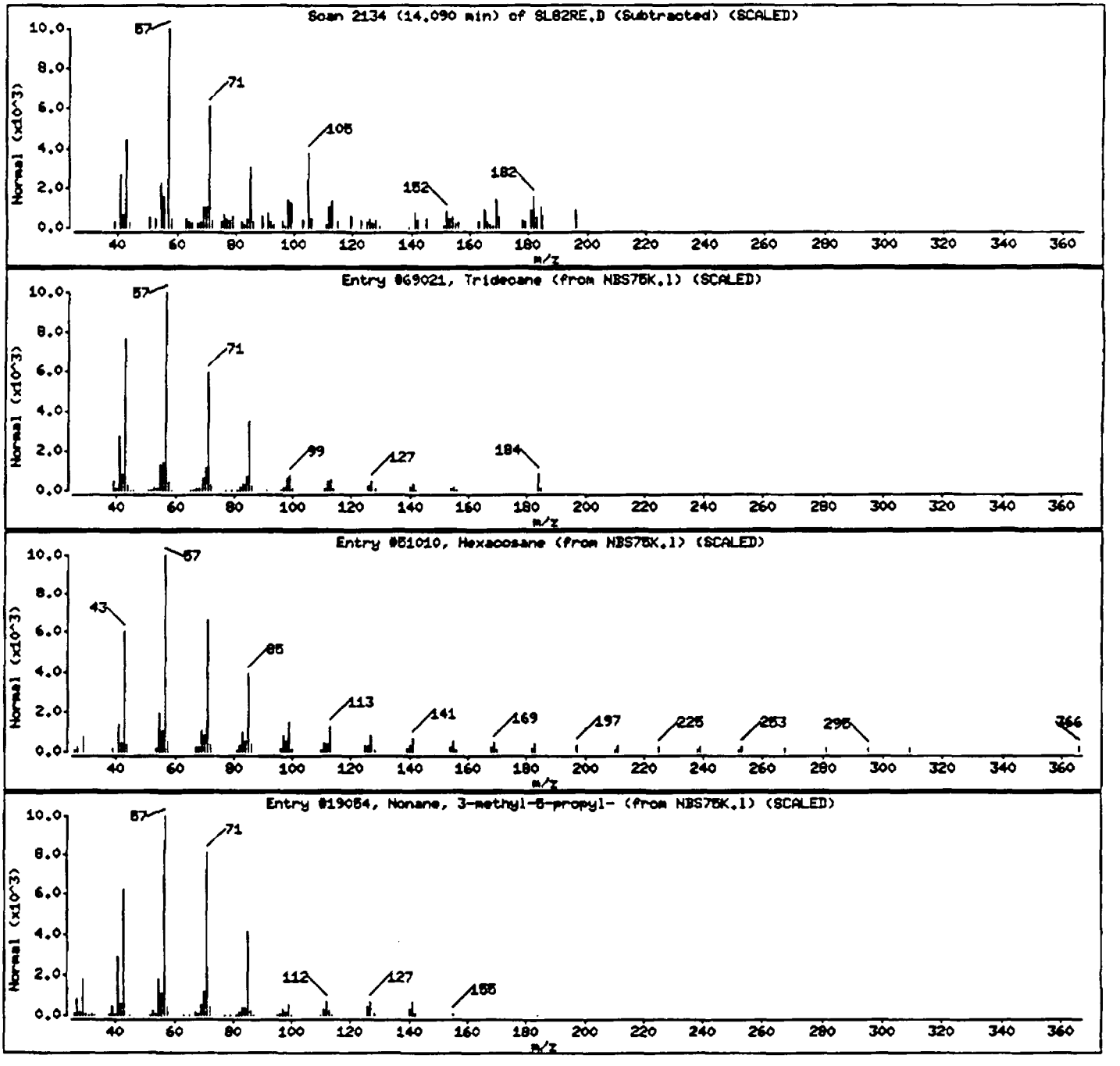
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tridecane	629-50-5	NBS75K.l	69021	46	C13H28	184
Hexacosane	630-01-3	NBS75K.l	51010	38	C26H54	366
Nonane, 3-methyl-5-propyl-	31081-18-2	NBS75K.l	19054	38	C13H28	184



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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

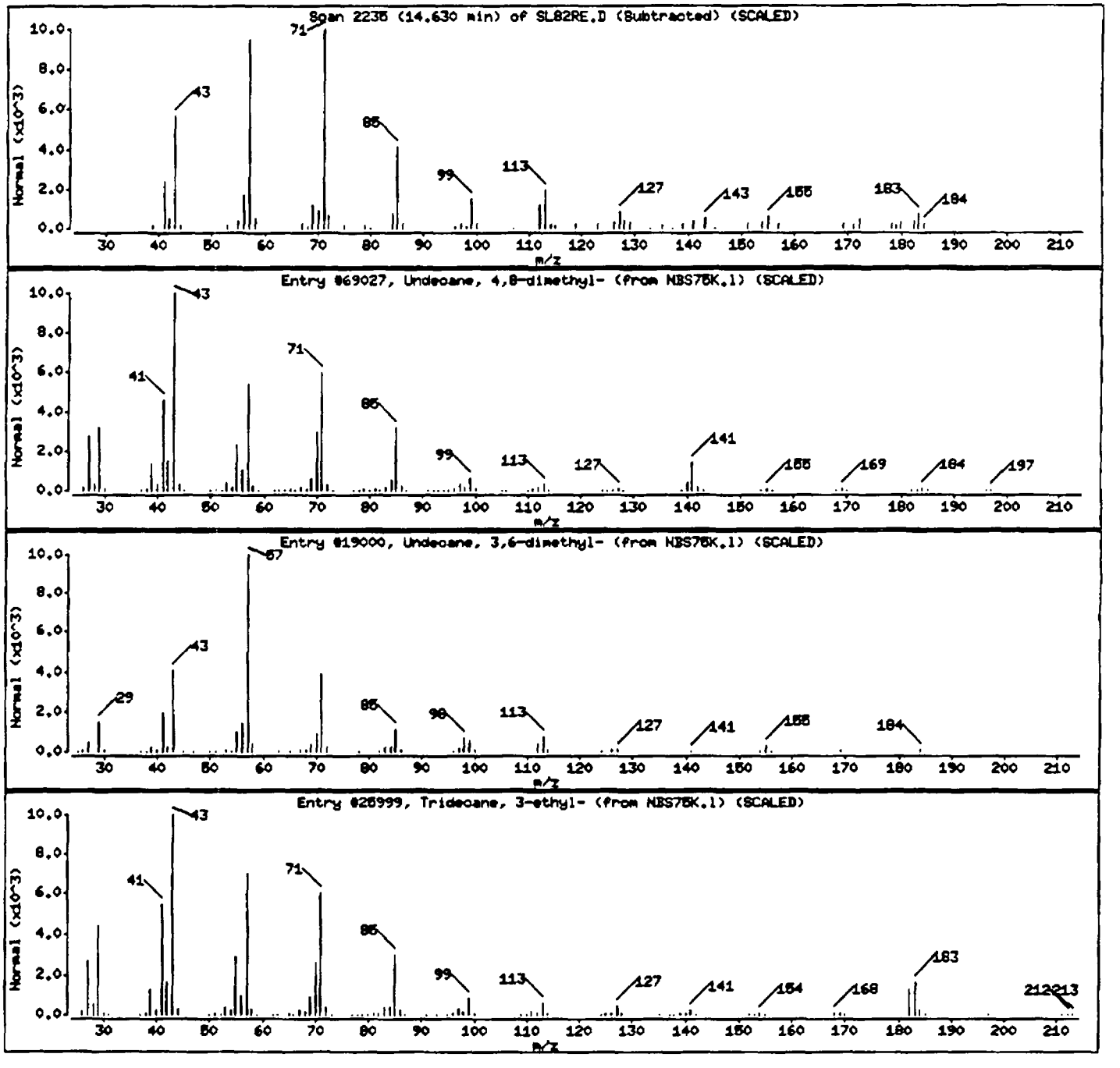
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Undecane, 4,8-dimethyl-	17301-33-6	NBS75K.l	69027	80	C13H28	184
Undecane, 3,6-dimethyl-	17301-28-9	NBS75K.l	19000	72	C13H28	184
Tridecane, 3-ethyl-	13286-73-2	NBS75K.l	26999	64	C15H32	212



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

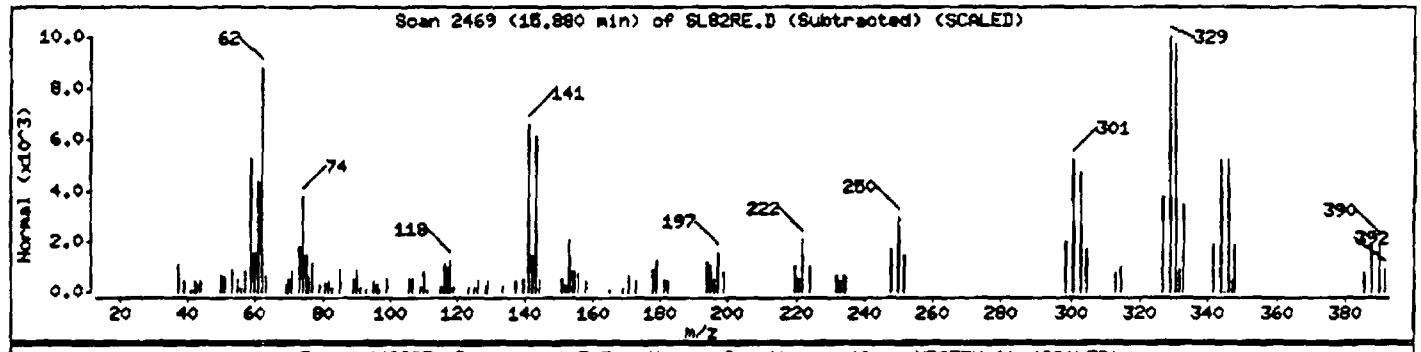
Client ID: SL-82-9.0' Instrument: a4hp9.i

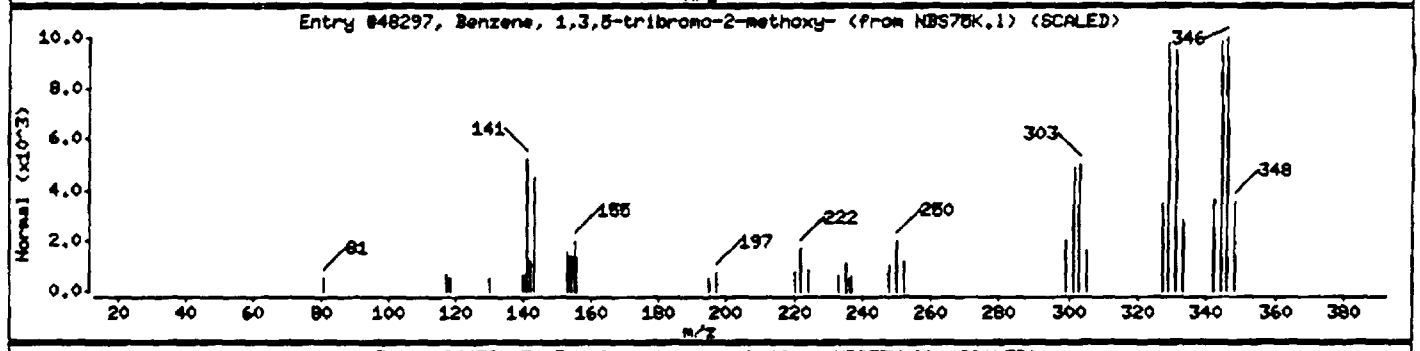
Sample Info: dpjfj2ah,01204a.b,clp31,1-clp90,sub

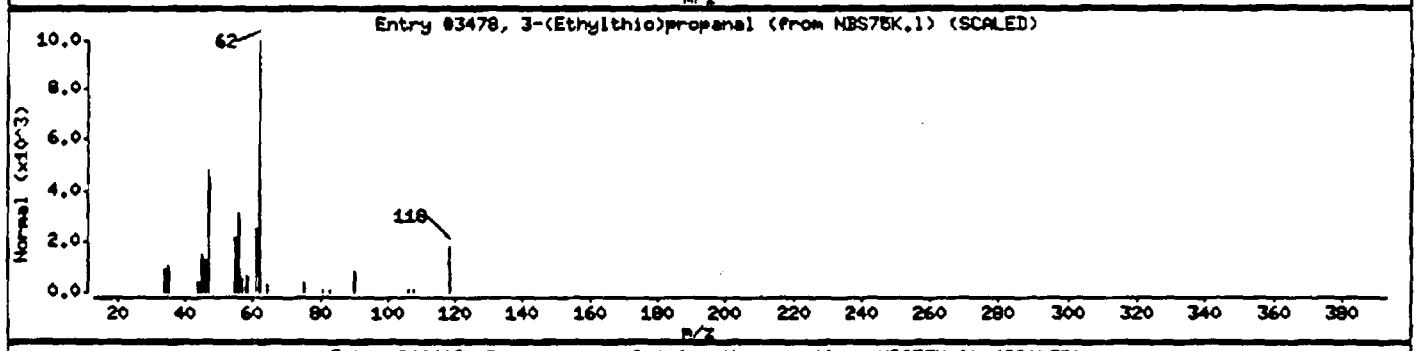
Volume Injected (uL): 2.0 Operator: 001674

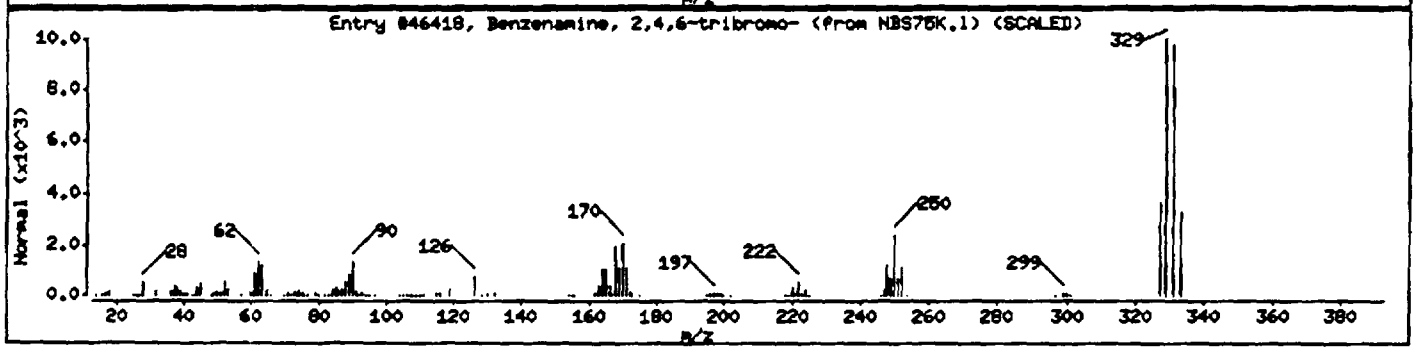
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1,3,5-tribromo-2-methoxy-	607-99-8	NBS75K.l	48297	64	C7H5Br3O	342
3-(Ethylthio)propanal	0-00-0	NBS75K.l	3478	25	C5H10OS	118
Benzenamine, 2,4,6-tribromo-	147-82-0	NBS75K.l	46418	20	C6H4Br3N	327









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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90,sub

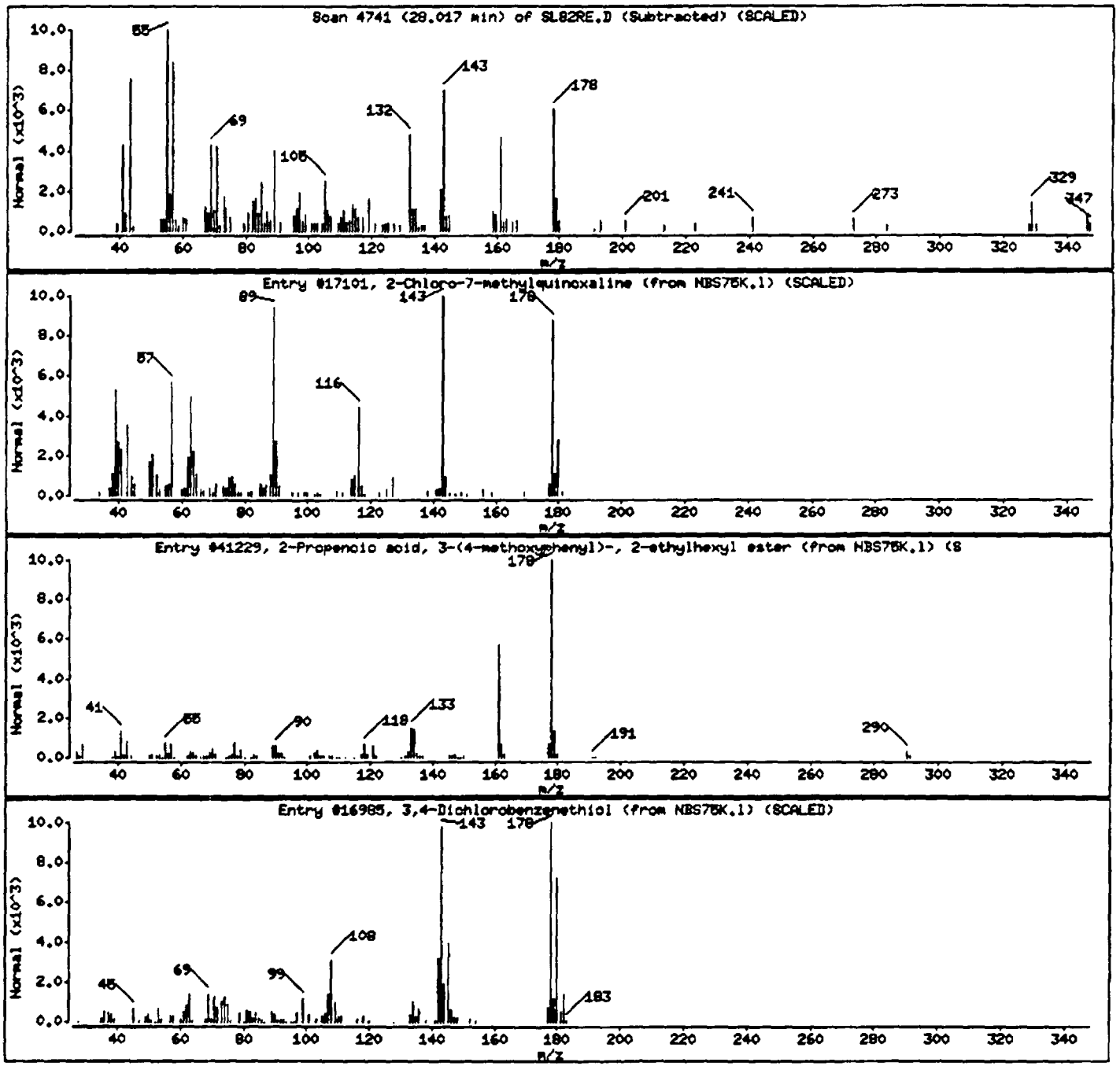
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Chloro-7-methylquinoxaline	0-00-0	NBS75K.l	17101	17	C9H7ClN2	178
2-Propenoic acid, 3-(4-methoxyphenyl)-,	5466-77-3	NBS75K.l	41229	14	C18H2603	290
3,4-Dichlorobenzenethiol	5858-17-3	NBS75K.l	16985	12	C6H4Cl2S	178



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/08/00
Work Order: DPJF32AD Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:16

QC Batch: 0334105

Client Sample Id: SL-83-9.0' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitrosodi-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	**Naphthalene**	**220**	**J**
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	**2-Methylnaphthalene**	**310**	**J**
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	960	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/08/00
Work Order: DPJF32AD Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:16

QC Batch: 0334105

Client Sample Id: SL-83-9.0' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethyl phthalate	390	U
7005-72-3	4-Chlorophenyl phenyl ether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl phenyl ether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butyl phthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	57	J
85-68-7	Butyl benzyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/08/00
Work Order: DPJF32AD Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:16

QC Batch: 0334105

Client Sample Id: SL-83-9.0' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(ghi)perylene	390	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

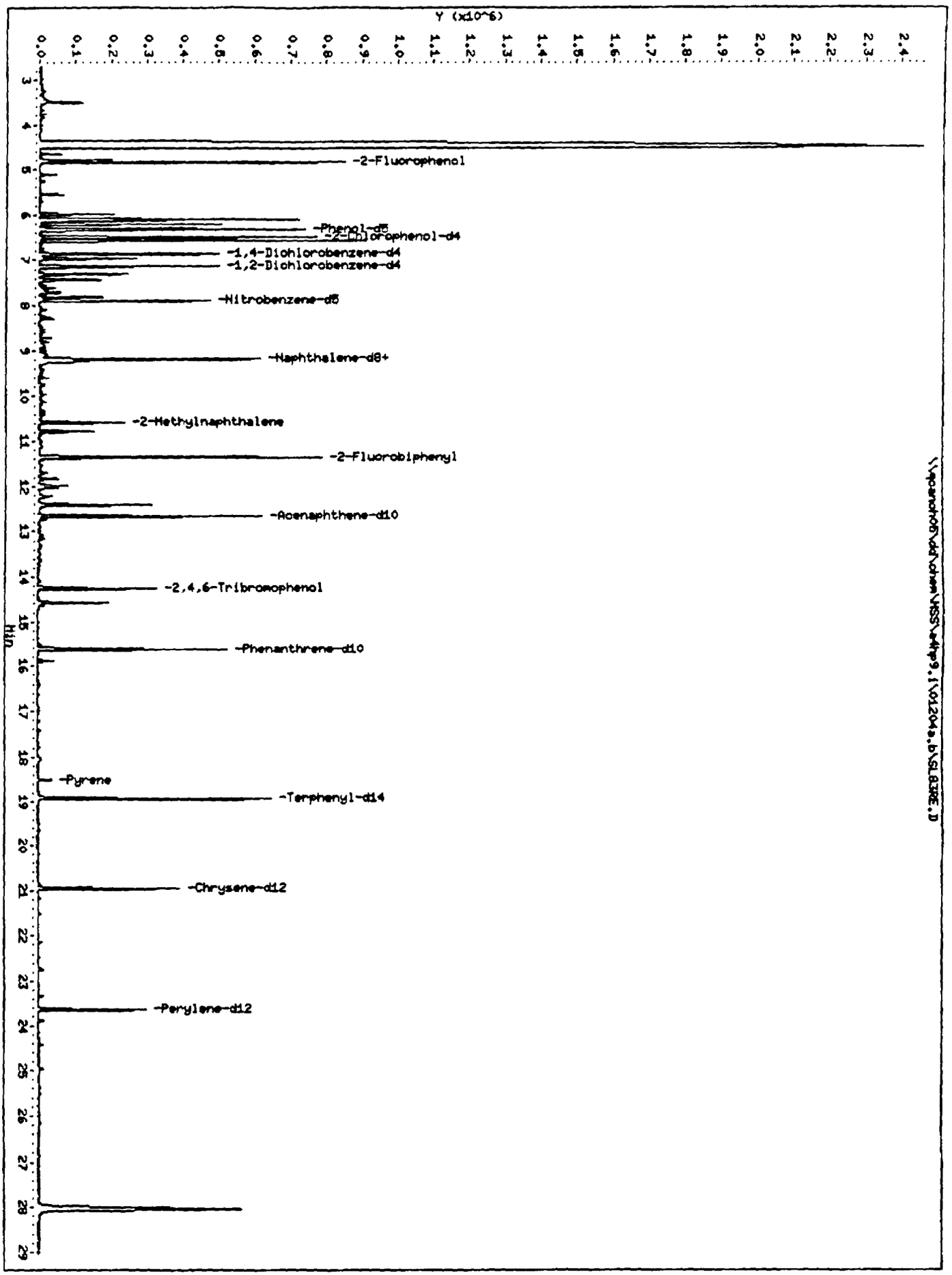
Sample WT/Vol: 30.07 / g Date Received: 11/08/00
Work Order: DPJF32AD Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:16

QC Batch: 0334105

Client Sample Id: SL-83-9.0' -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.4968	230	J
	Unknown Aldol Condensate	4.5011	17000	JA
	Unknown Aromatic	4.7789	360	J
	Unknown Aromatic	5.5482	92	J
	Unknown Aromatic	5.9755	300	J
	Unknown Aromatic	6.0877	1100	J
	Unknown Aromatic	6.1251	570	J
	Unknown Aromatic	6.1999	780	J
	Unknown Aromatic	6.3441	440	J
	Unknown Aromatic	6.5685	1400	J
	Unknown Aromatic	6.9585	450	J
	Unknown Aromatic	7.3057	390	J
	Unknown Aromatic	7.3485	110	J
	Unknown Aromatic	7.4233	420	J
	Unknown Aromatic	7.6904	90	J
	Unknown Aromatic	7.7278	110	J
	Unknown Aromatic	7.8186	320	J
	Unknown PAH	10.772	200	J
	Unknown PAH	11.83	93	J
	Unknown PAH	11.985	120	J
	Unknown	12.407	450	J
	Unknown	14.571	240	J
	Unknown	28.038	3300	J


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8+
-2-Methylnaphthalene
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Pyrene
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D
Lab Smp Id: DPJF32AD Client Smp ID: SL-83-9.0'
Inj Date : 04-DEC-2000 18:40
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjf32ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.070	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.857	6.859	(1.000)	110722	40.0000	
* 2 Naphthalene-d8	136	9.186	9.199	(1.000)	451143	40.0000	
* 3 Acenaphthene-d10	164	12.658	12.671	(1.000)	262862	40.0000	
* 4 Phenanthrene-d10	188	15.623	15.631	(1.000)	370205	40.0000	
* 5 Chrysene-d12	240	20.960	20.973	(1.000)	245314	40.0000	
* 6 Perylene-d12	264	23.631	23.633	(1.000)	196446	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	9.223	9.236	(1.004)	113850	10.6074	180(a)
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	10.580	10.588	(1.152)	113187	15.9136	260(a)
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	18.502	18.515	(0.883)	27057	2.90221	48(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

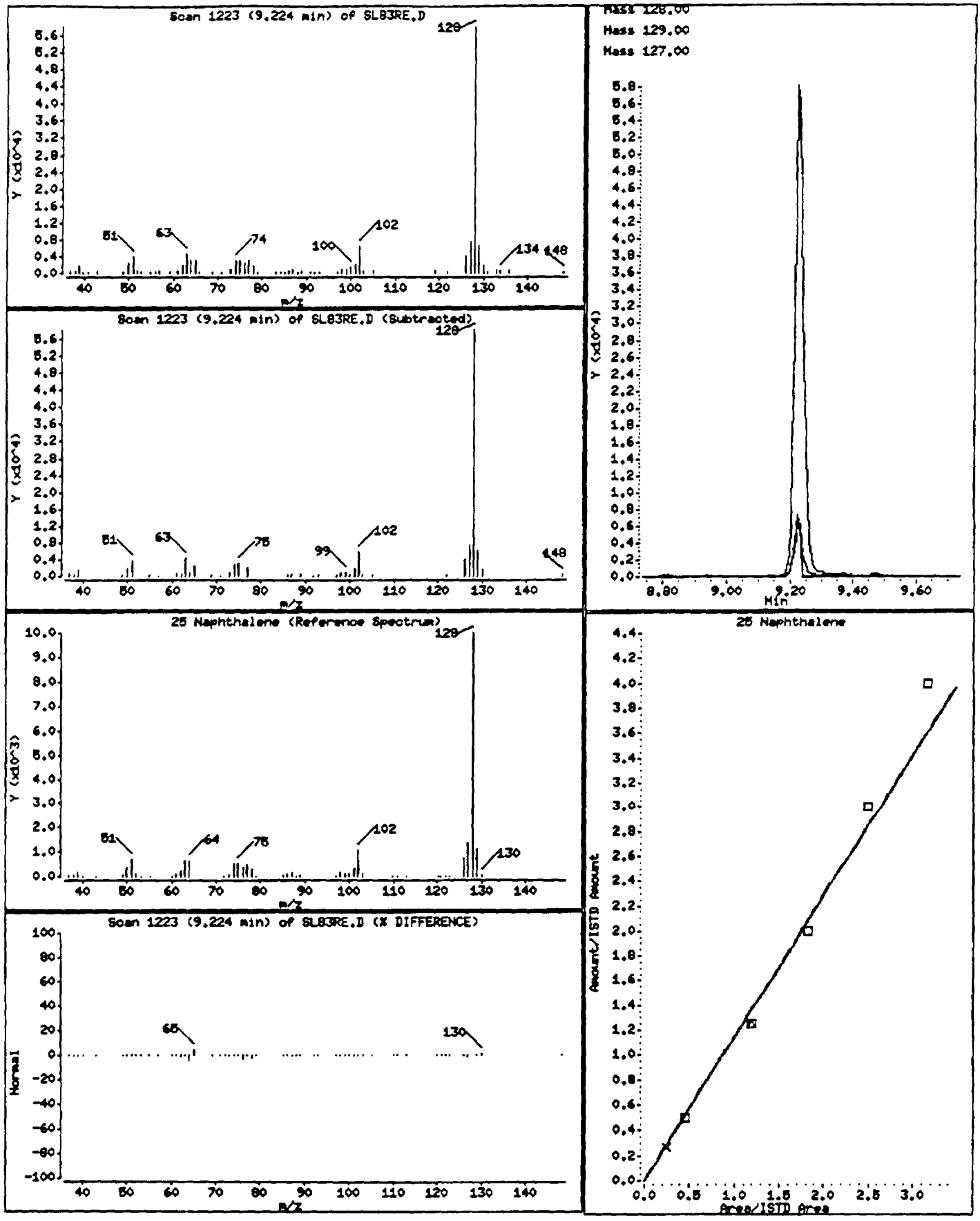
Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D
Report Date: 05-Dec-2000 13:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	Compound Not Detected.					
67 Benzo(k)fluoranthene	252	Compound Not Detected.					
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	7.893	7.901	(0.859)	270485	59.8180	990
$ 73 2-Fluorobiphenyl	172	11.355	11.362	(0.897)	454466	63.9266	1100
$ 74 Terphenyl-d14	244	18.919	18.916	(0.903)	411620	70.8469	1200
$ 75 Phenol-d5	99	6.312	6.303	(0.921)	424093	90.1969	1500
$ 76 2-Fluorophenol	112	4.837	4.781	(0.706)	313265	84.7354	1400
$ 77 2,4,6-Tribromophenol	330	14.255	14.268	(0.912)	67104	68.9186	1100
$ 78 2-Chlorophenol-d4	132	6.488	6.485	(0.946)	320464	99.5709	1600
$ 79 1,2-Dichlorobenzene-d4	152	7.134	7.137	(1.041)	116815	54.4076	900

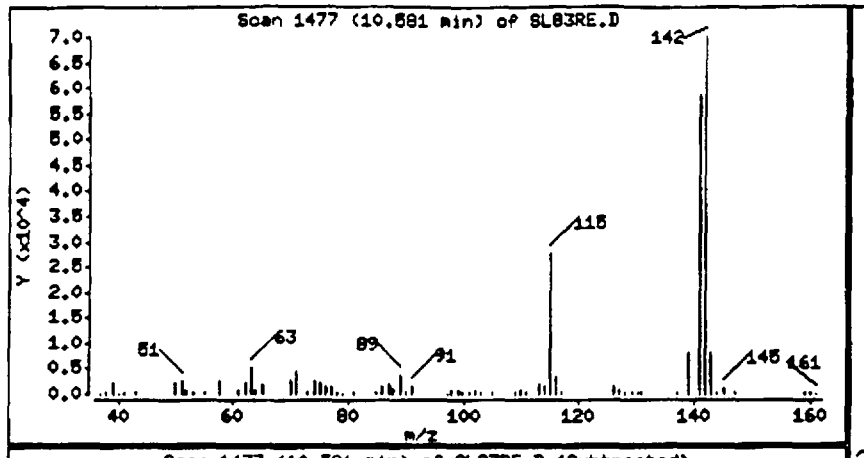
QC Flag Legend

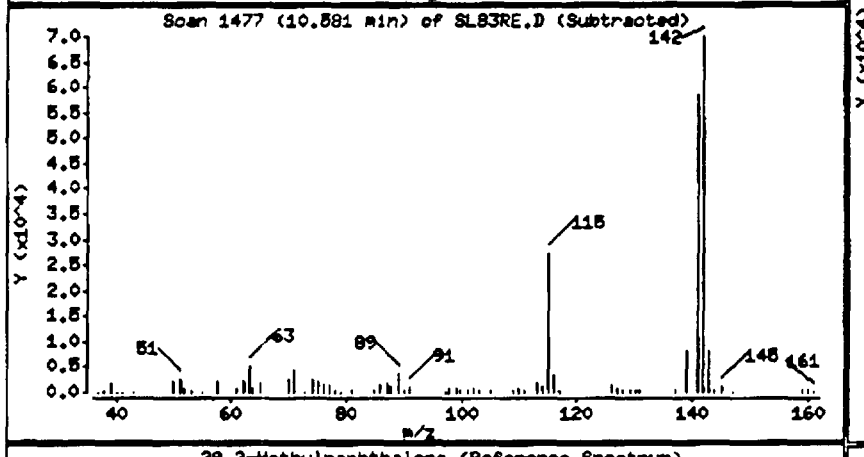
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

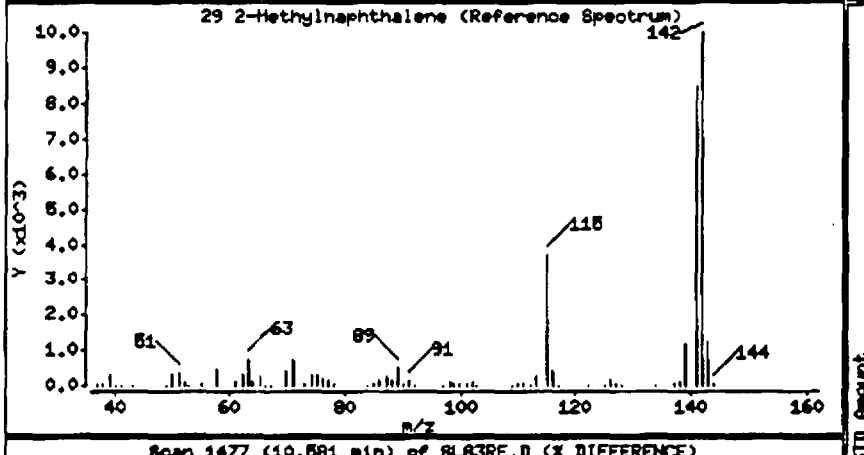
25 Naphthalene

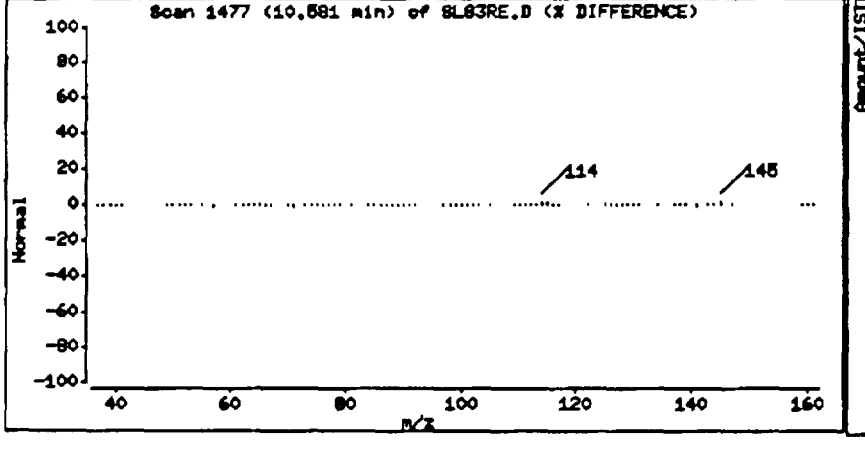


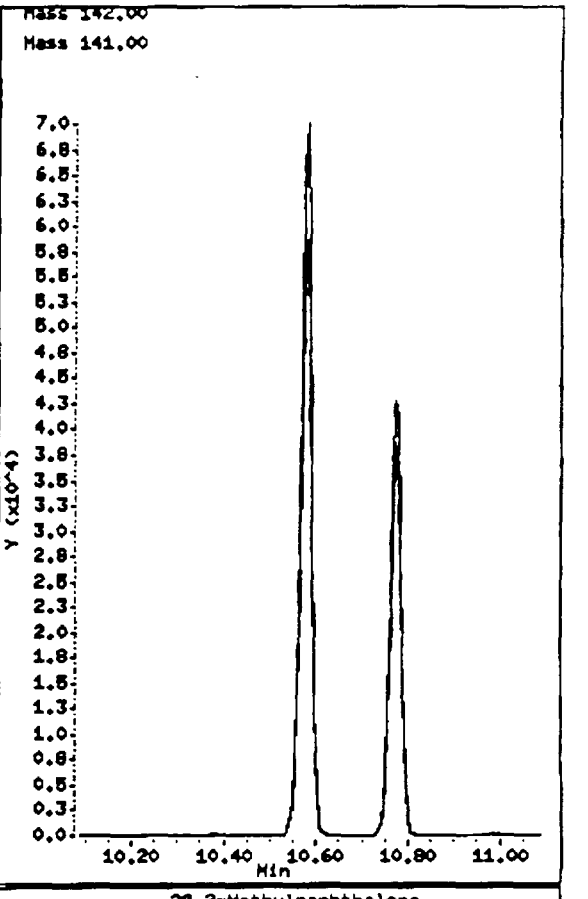
29 2-Methylnaphthalene

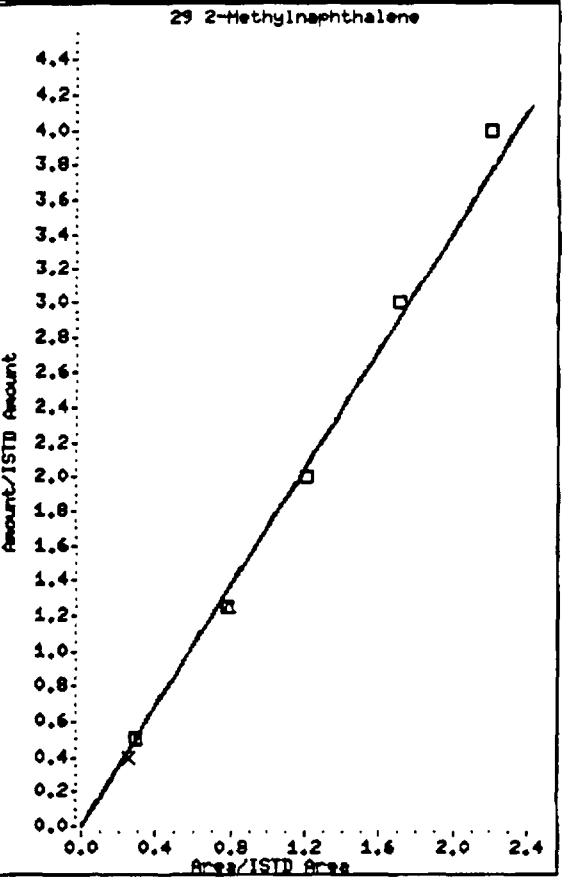




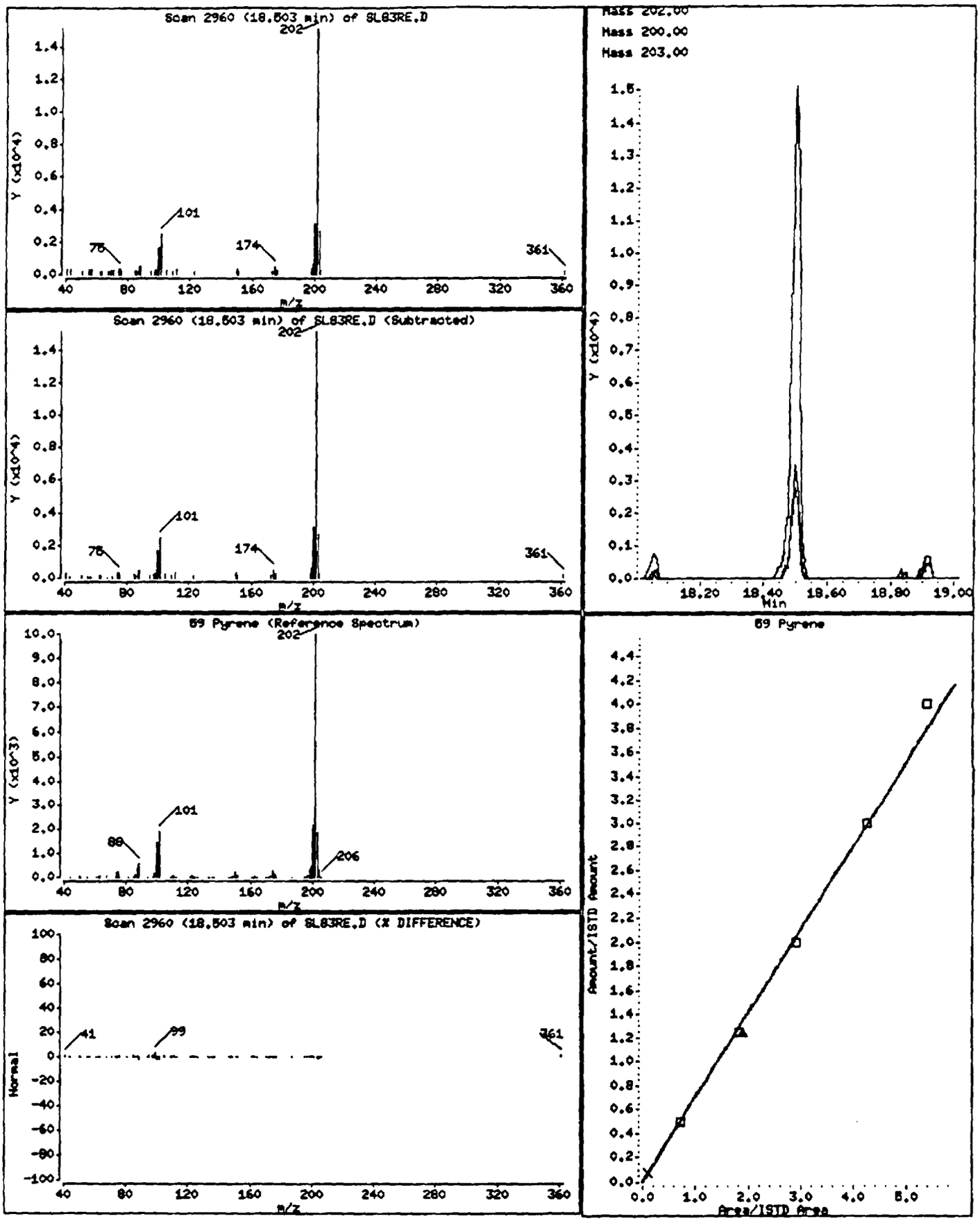








59 Pyrene


Scan 2960 (18.503 min) of SL83RE.D
202
101
75
174
361
Y (x10^4)
m/z
Scan 2960 (18.503 min) of SL83RE.D (Subtracted)
202
101
75
174
361
Y (x10^4)
m/z
59 Pyrene (Reference Spectrum)
202
101
88
206
Y (x10^3)
m/z
Scan 2960 (18.503 min) of SL83RE.D (% DIFFERENCE)
41
99
361
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^4)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D
Lab Smp Id: DPJF32AD Client Smp ID: SL-83-9.0'
Inj Date : 04-DEC-2000 18:40
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjf32ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.070	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.857	723853	40.000
* 2 Naphthalene-d8	9.186	1001740	40.000
* 3 Acenaphthene-d10	12.659	1106559	40.000
* 4 Phenanthrene-d10	15.623	1021536	40.000
* 6 Perylene-d12	23.631	555578	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
3.497	203603	11.2510532	190	0		0	1
Unknown Aldol Condensate					CAS #:		
4.501	15386184	850.238072	14000	99		0	1
Unknown Aromatic					CAS #:		
4.779	328382	18.1463363	300	99		0	1
Unknown Aromatic					CAS #:		
5.548	83379	4.60751009	77	99		0	1
Unknown Aromatic					CAS #:		
5.976	276657	15.2880212	250	99		0	1
Unknown Aromatic					CAS #:		
6.088	962502	53.1877052	880	99		0	1
Unknown Aromatic					CAS #:		
6.125	522491	28.8727684	480	99		0	1
Unknown Aromatic					CAS #:		
6.200	706789	39.0570461	650	99		0	1
Unknown Aromatic					CAS #:		
6.344	405447	22.4049358	370	99		0	1
Unknown Aromatic					CAS #:		
6.569	1286333	71.0825541	1200	99		0	1
Unknown Aromatic					CAS #:		
6.959	414895	22.9270308	380	99		0	1
Unknown Aromatic					CAS #:		
7.306	360471	19.9195693	330	99		0	1
Unknown Aromatic					CAS #:		
7.349	96039	5.30709965	88	99		0	1
Unknown Aromatic					CAS #:		
7.423	377131	20.8401982	350	99		0	1
Unknown Aromatic					CAS #:		
7.690	81665	4.51279472	75	99		0	1

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aromatic					CAS #:		
7.728	97682	5.39789156	90	99		0	1
Unknown Aromatic					CAS #:		
7.819	290492	16.0525411	270	99		0	1
Unknown PAH					CAS #:		
10.773	262942	10.4994110	170	99		0	2
Unknown PAH					CAS #:		
11.831	130588	4.72050745	78	99		0	3
Unknown PAH					CAS #:		
11.985	162087	5.85913630	97	99		0	3
Unknown					CAS #:		
12.408	632041	22.8470782	380	0		0	3
Unknown					CAS #:		
14.571	311050	12.1796980	200	0		0	4
Unknown					CAS #:		
28.039	2326302	167.486978	2800	0		0	6

Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpj#32ad,01204a.b,olp31,1-olp90.sub

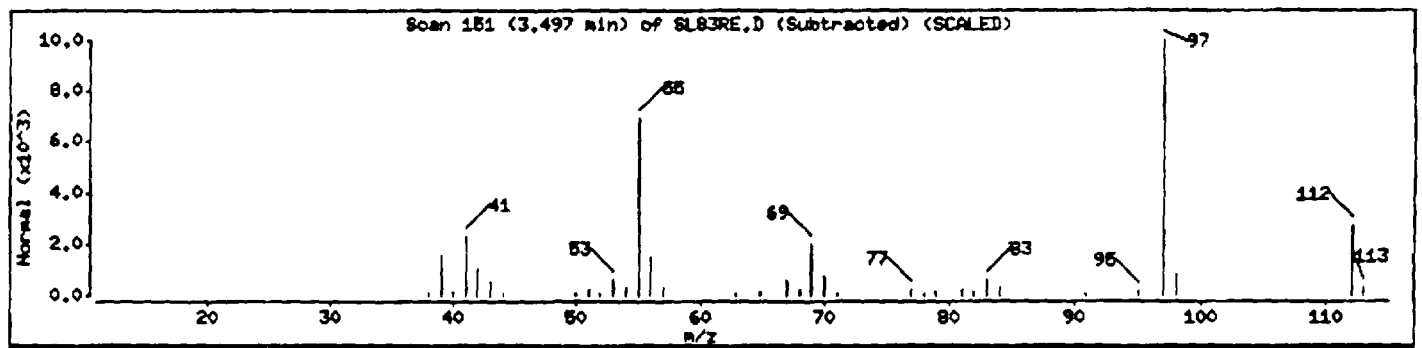
Volume Injected (uL): 2.0

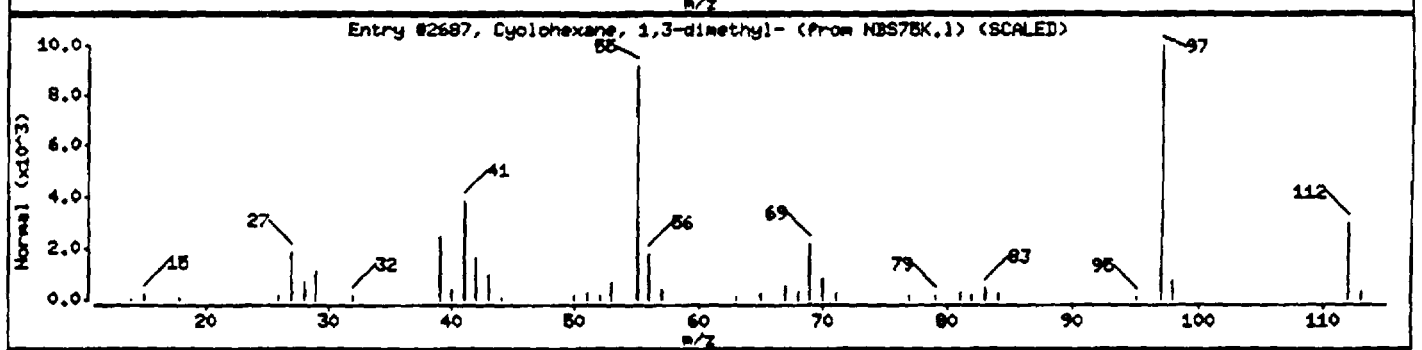
Operator: 001574

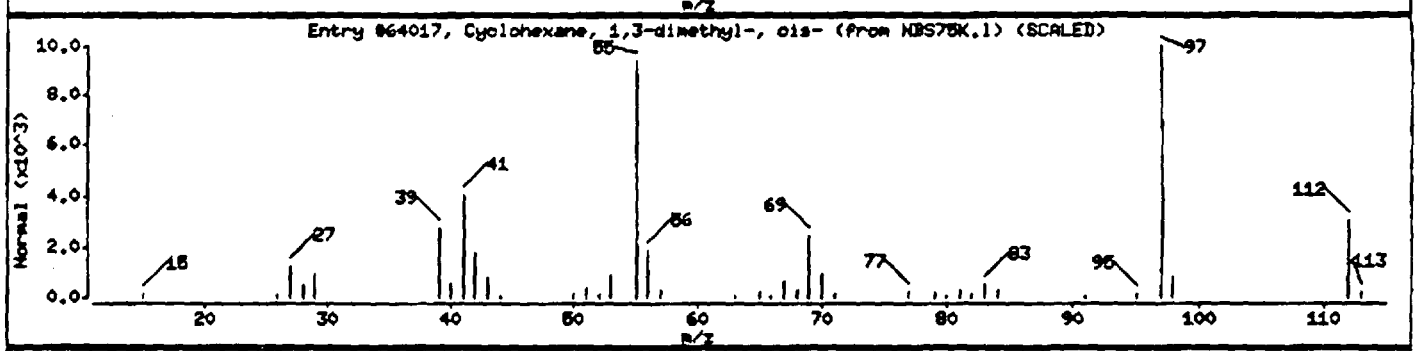
Column phase:

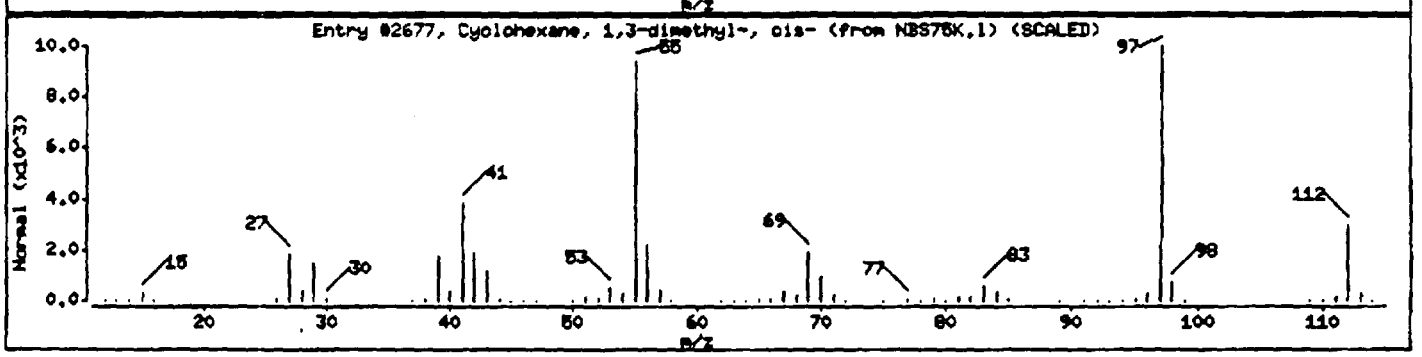
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,3-dimethyl-	591-21-9	NBS75K.l	2687	91	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	64017	91	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	2677	91	C8H16	112









Data File: \\qcanoh06\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,clp31,i-clp90.sub

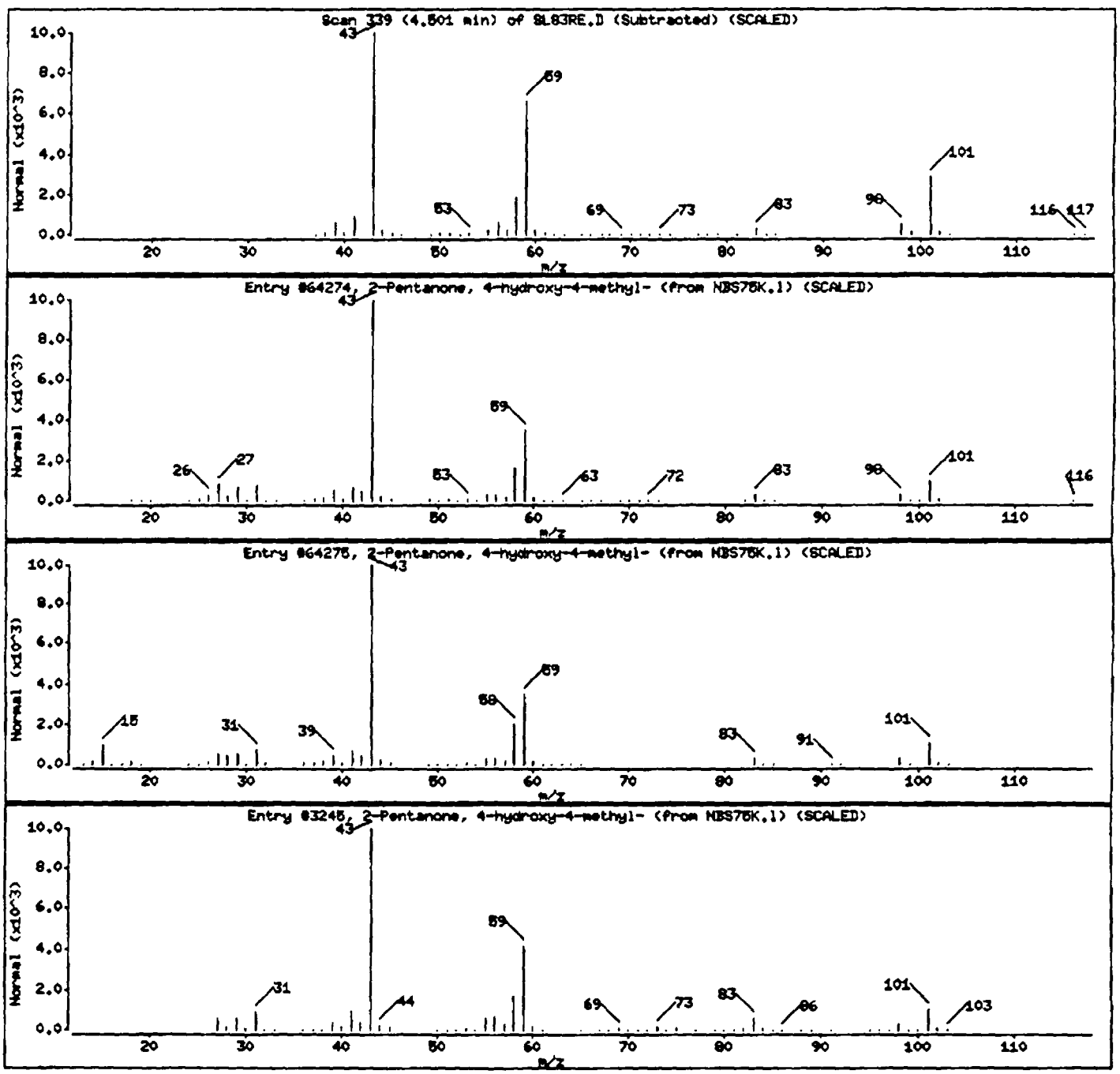
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	38	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	28	C6H12O2	116



Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,clp31,1-clp90.sub

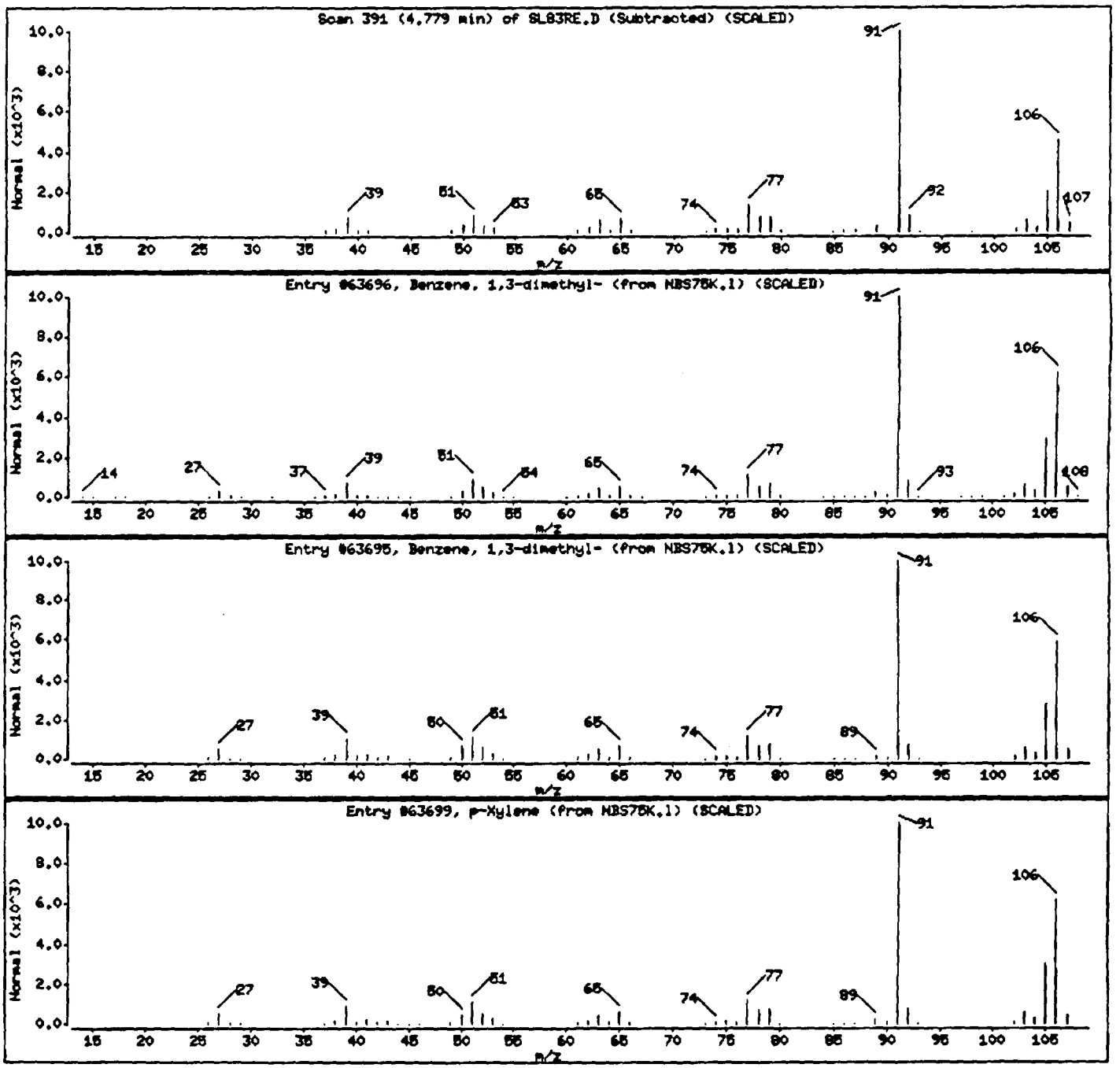
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.l	63696	95	C8H10	106
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.l	63695	95	C8H10	106
p-Xylene	106-42-3	NBS75K.l	63699	95	C8H10	106



Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

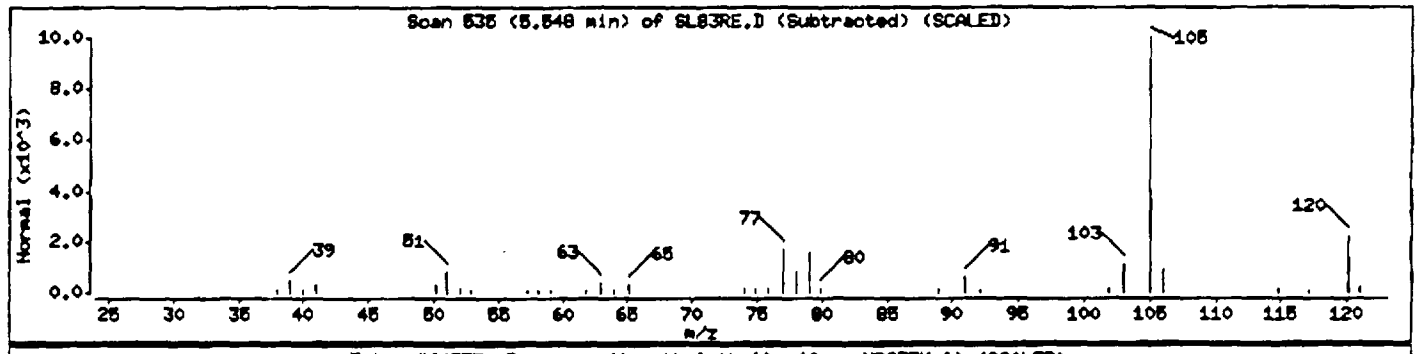
Volume Injected (uL): 2.0

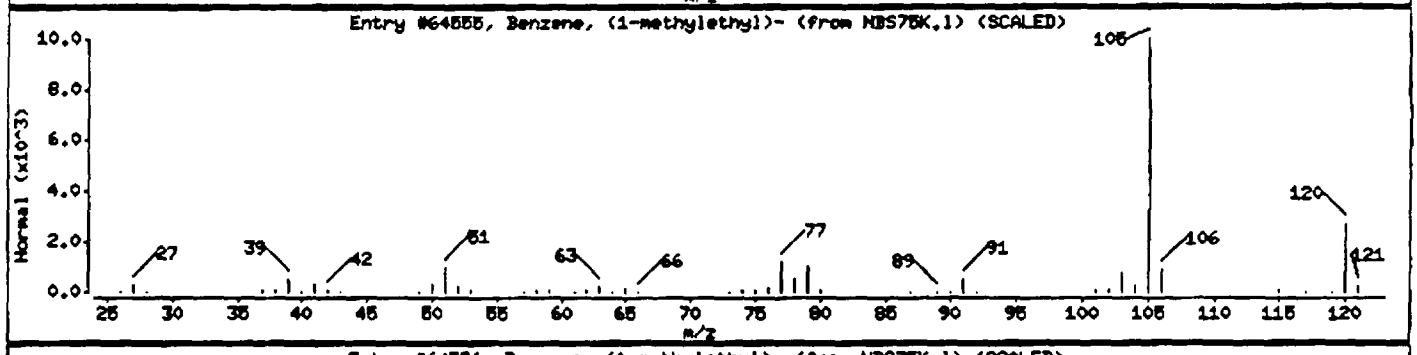
Operator: 001574

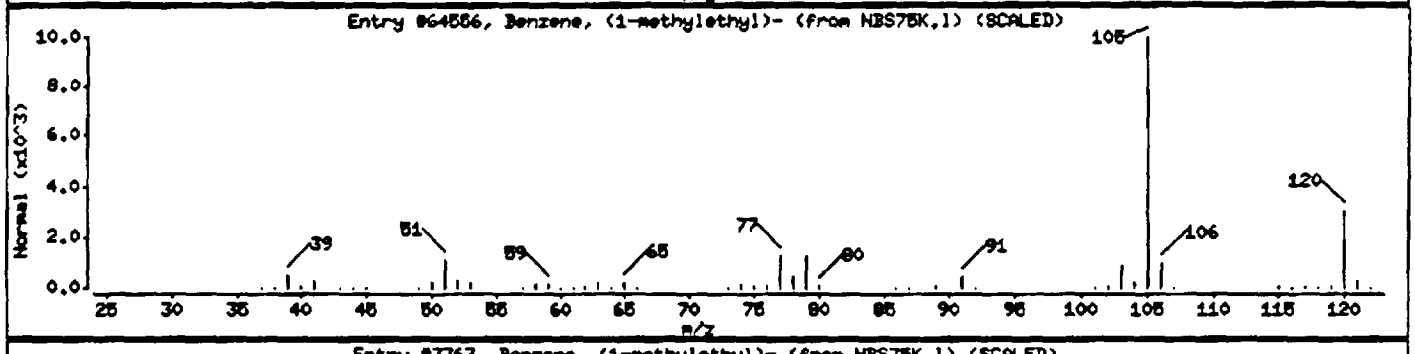
Column phase:

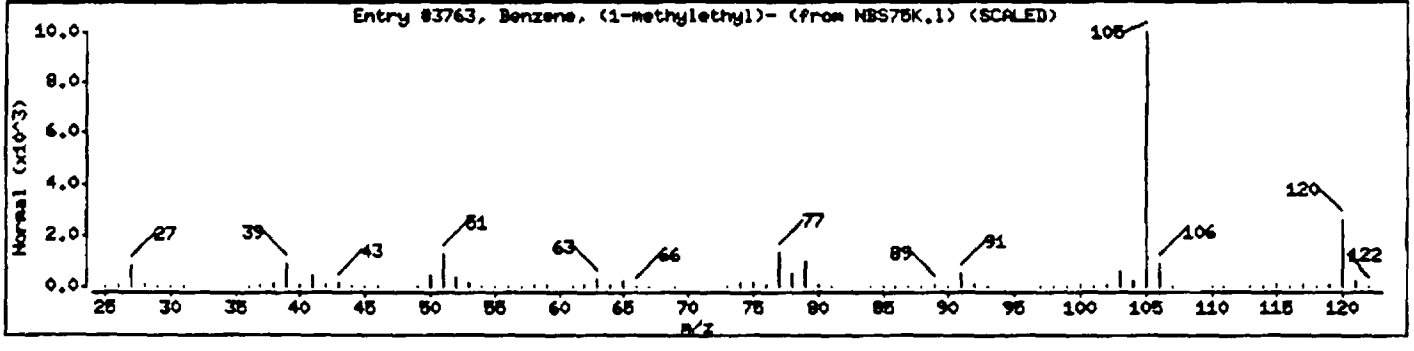
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	91	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64556	91	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	3763	91	C9H12	120









Data File: \\qoanoh05\dd\ohem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31.1-olp90.sub

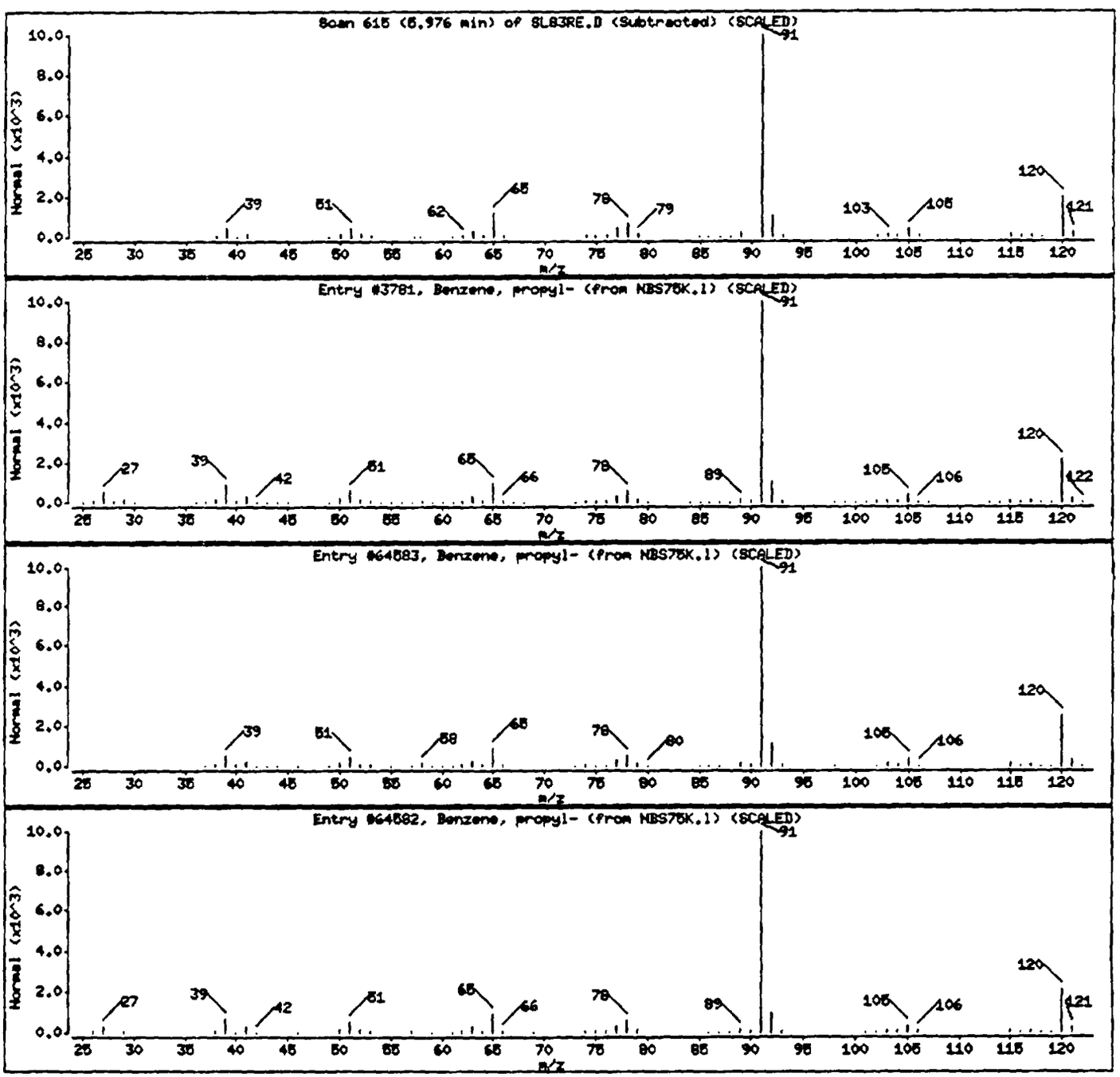
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, propyl-	103-65-1	NBS75K.l	3781	91	C9H12	120
Benzene, propyl-	103-65-1	NBS75K.l	64583	91	C9H12	120
Benzene, propyl-	103-65-1	NBS75K.l	64582	91	C9H12	120



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

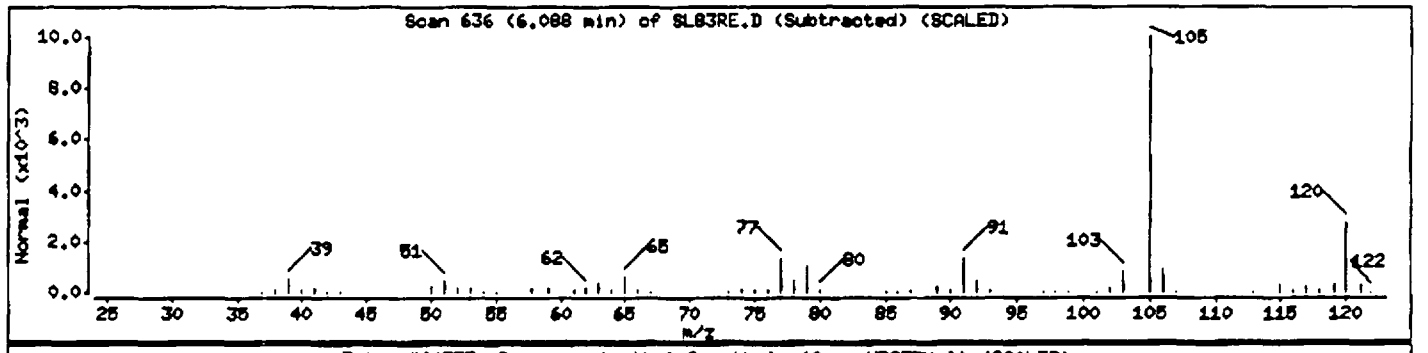
Volume Injected (uL): 2.0

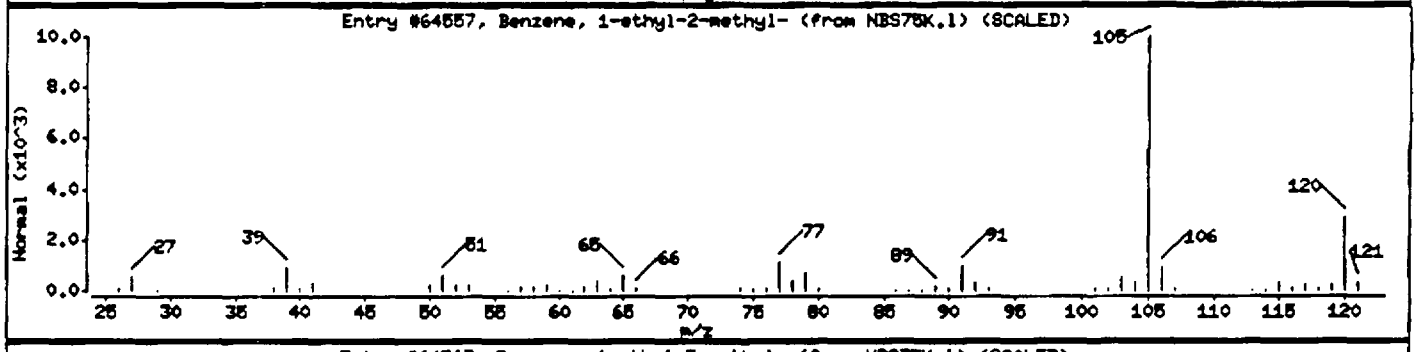
Operator: 001574

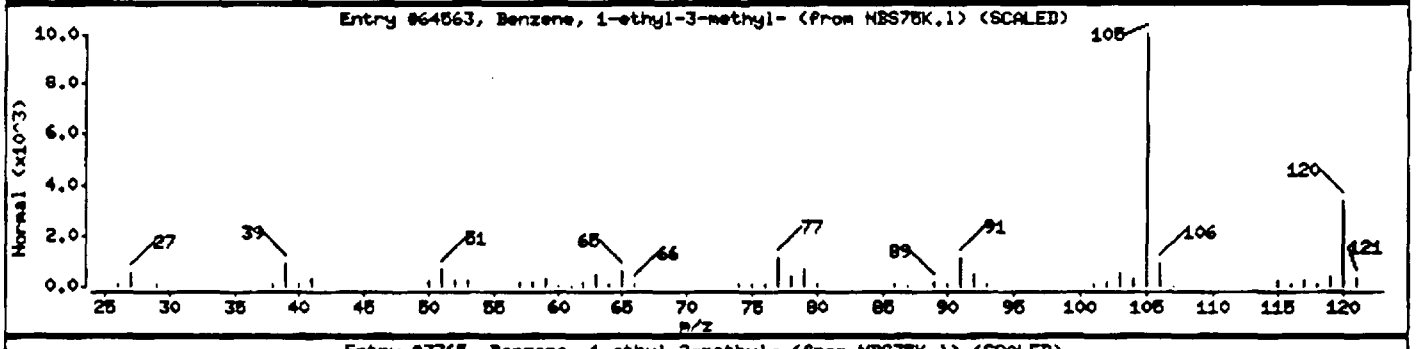
Column phase:

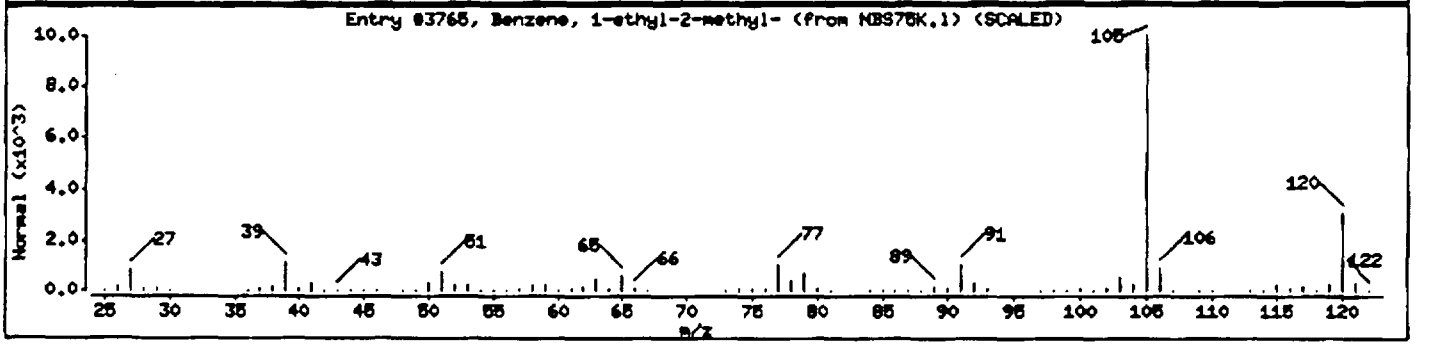
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	94	C9H12	120









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,i-olp90.sub

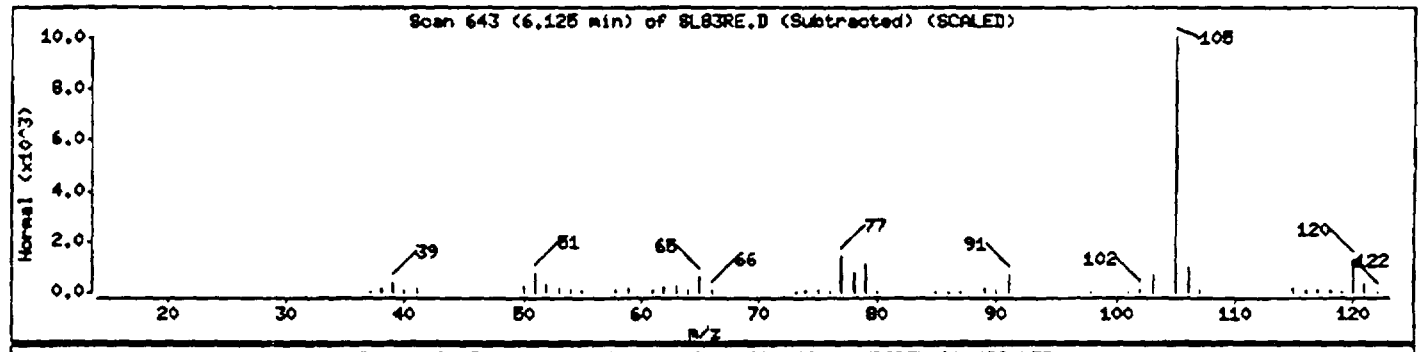
Volume Injected (uL): 2.0

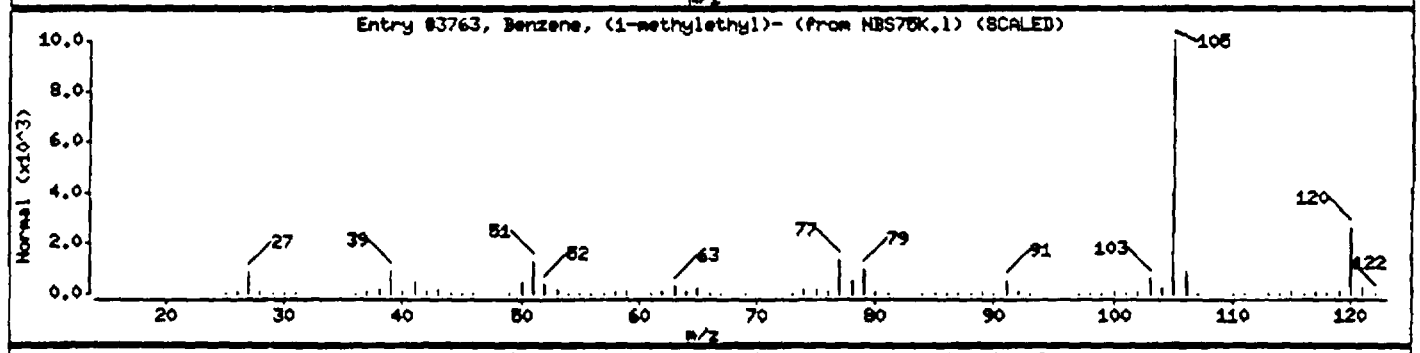
Operator: 001574

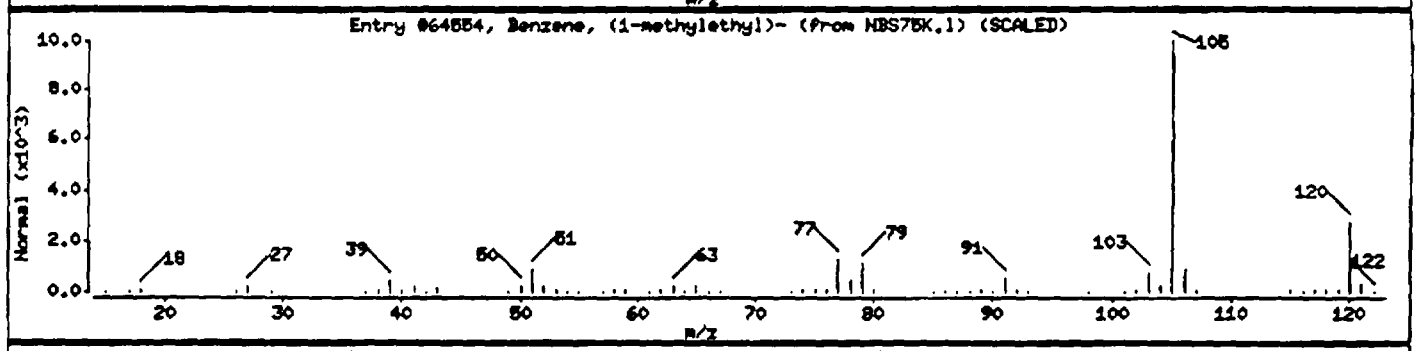
Column phase:

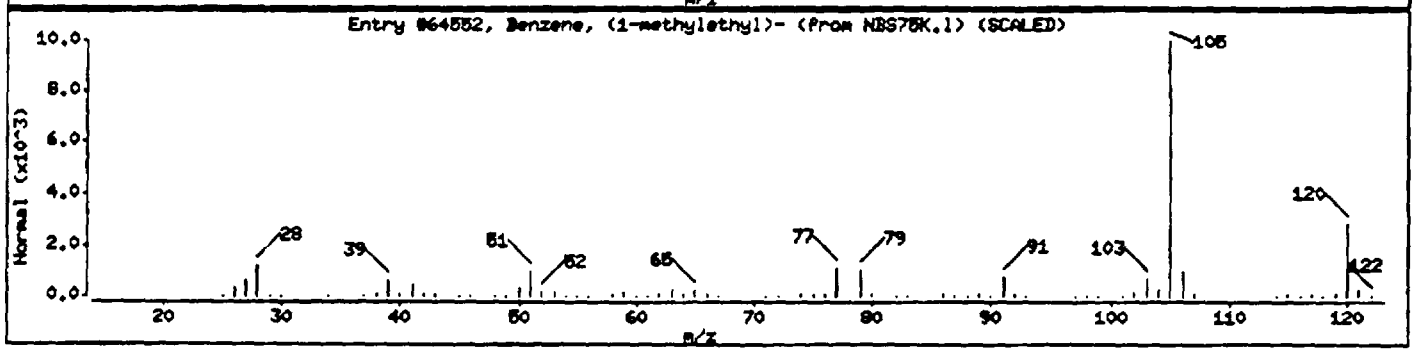
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	3763	87	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	64554	86	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	64552	86	C9H12	120









Data File: \\qoanoh06\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0

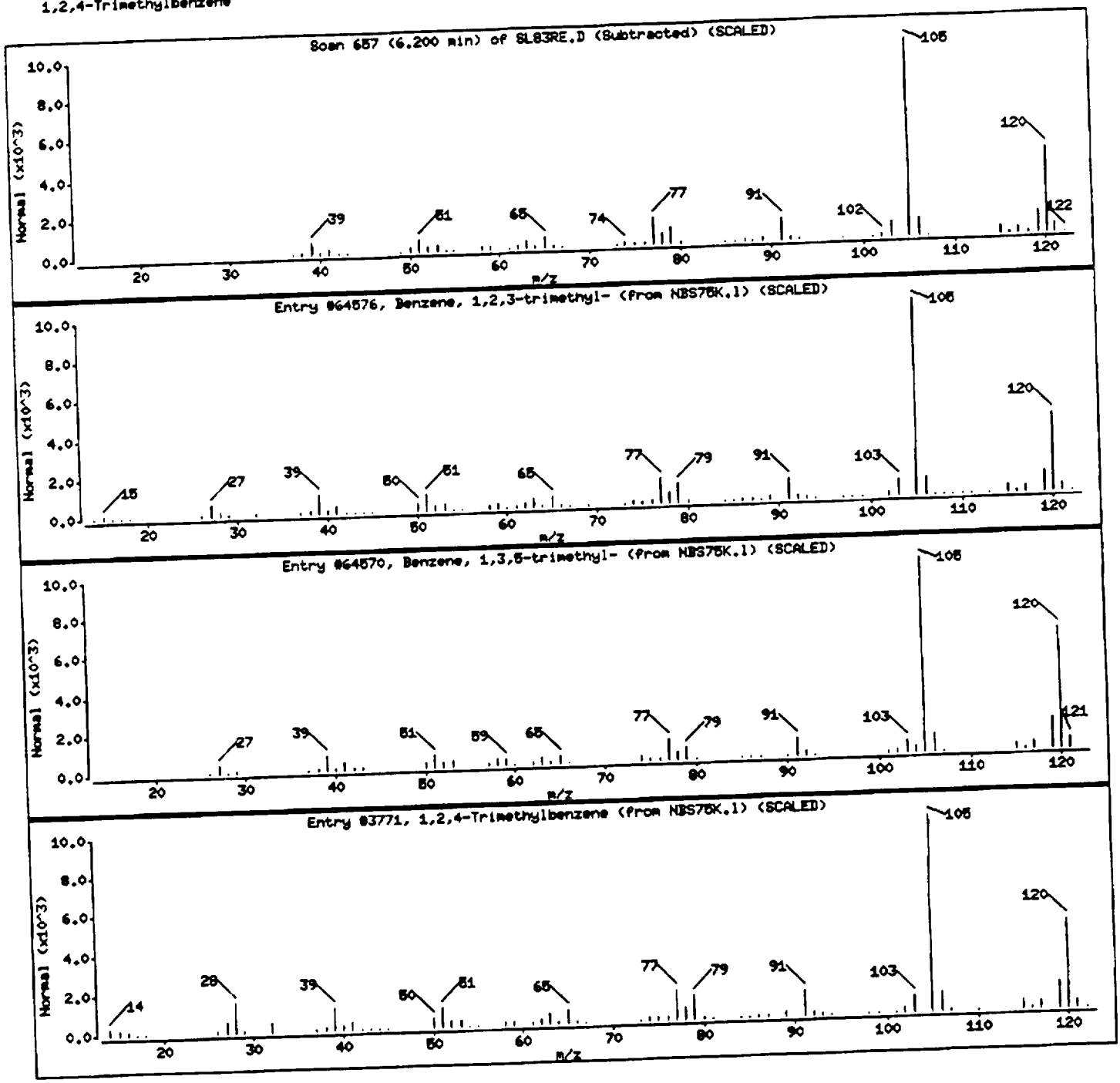
Column phase:

Instrument: a4hp9.i

Operator: 001574

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64576	96	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	96	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	96	C9H12	120



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,clp31,1-clp90.sub

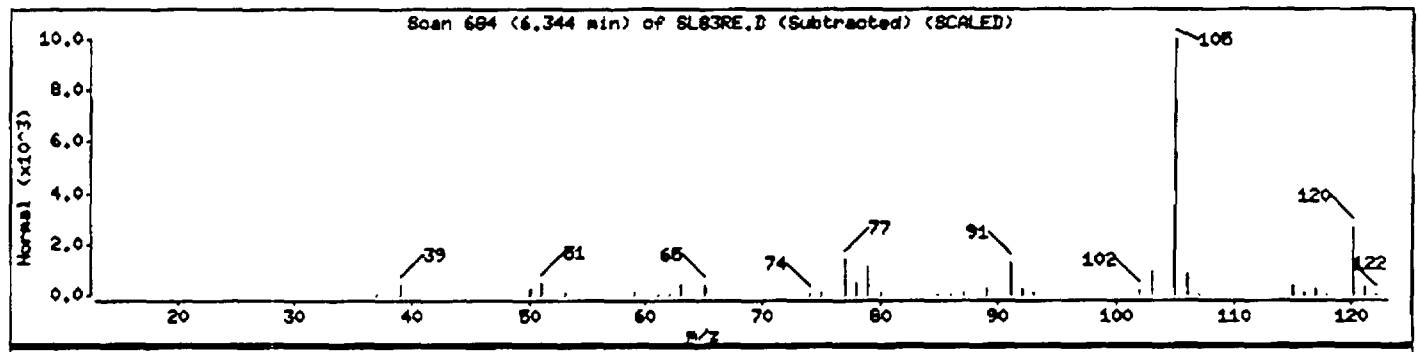
Volume Injected (uL): 2.0

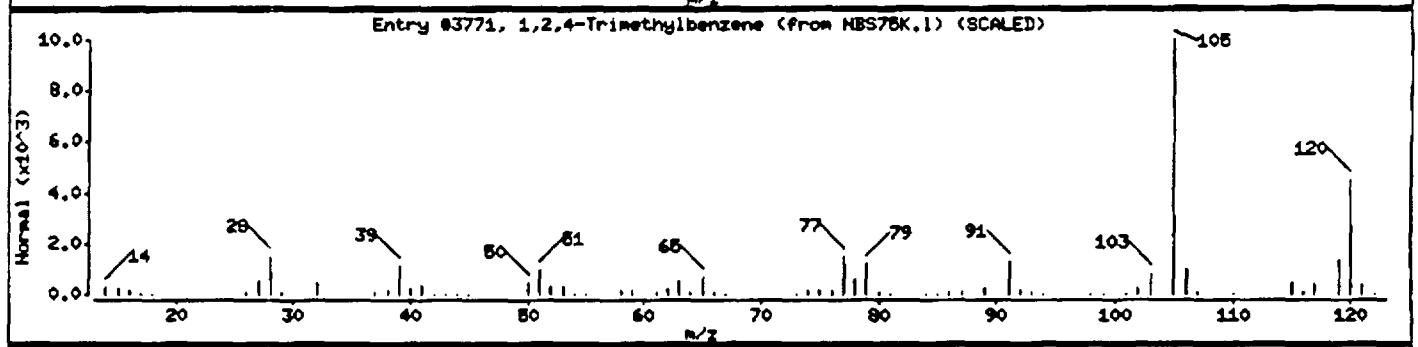
Operator: 001874

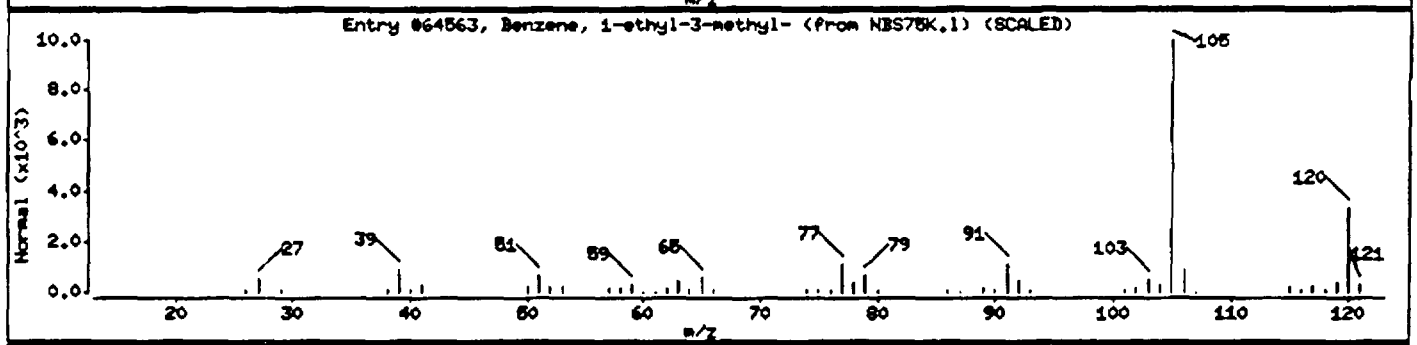
Column phase:

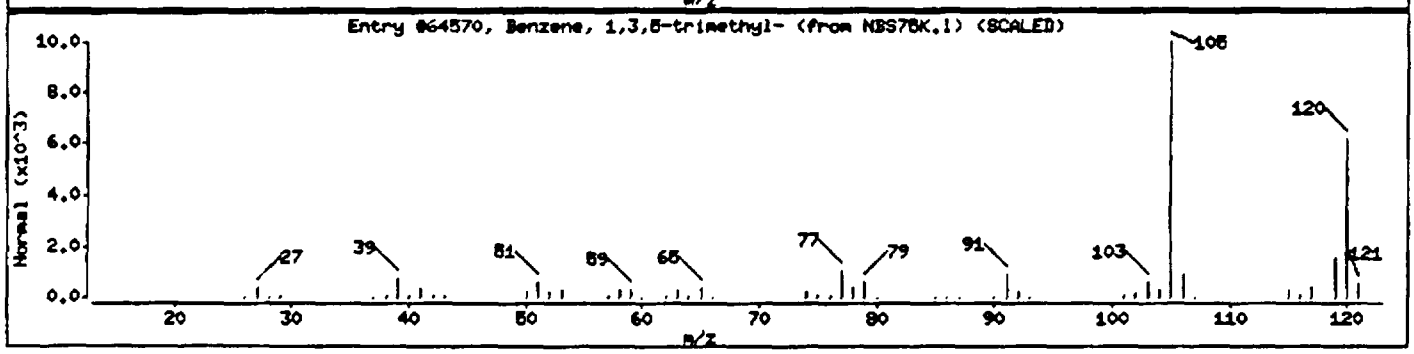
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	91	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	91	C9H12	120









Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

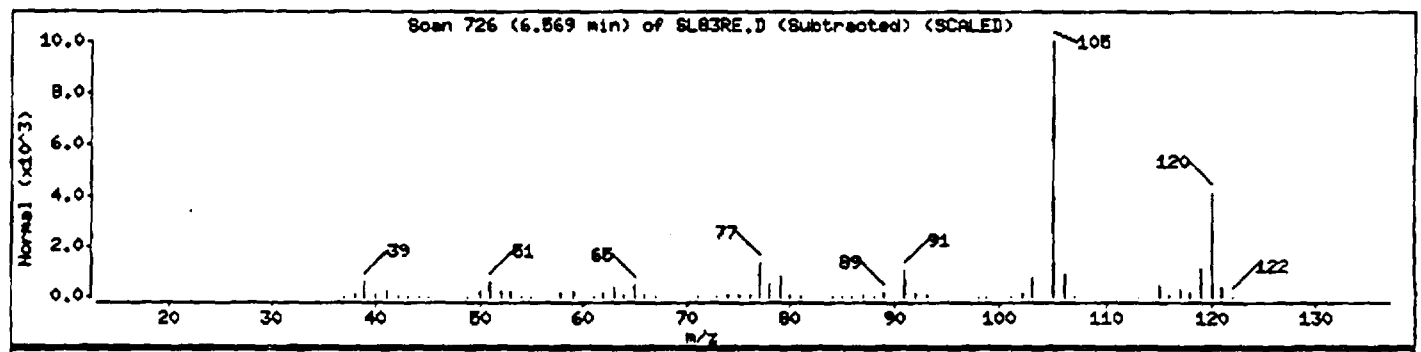
Volume Injected (uL): 2.0

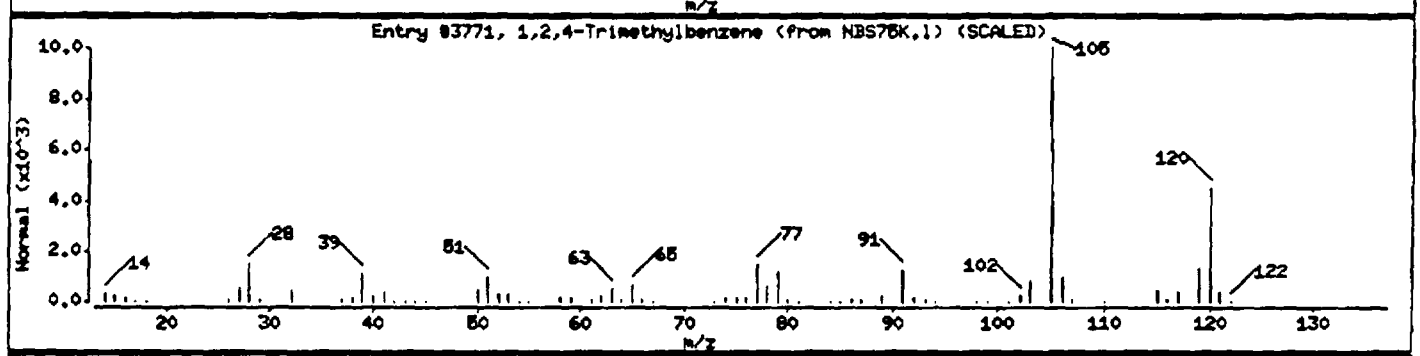
Operator: 001574

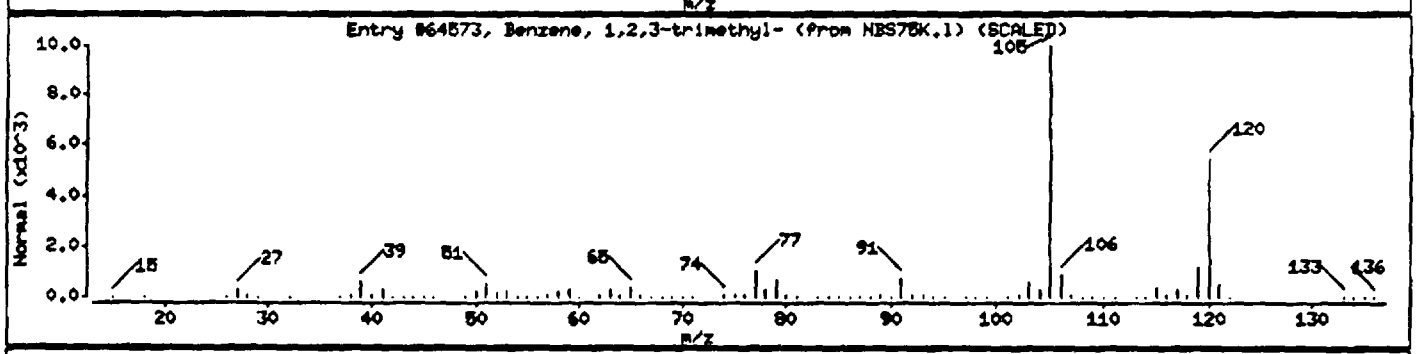
Column phase:

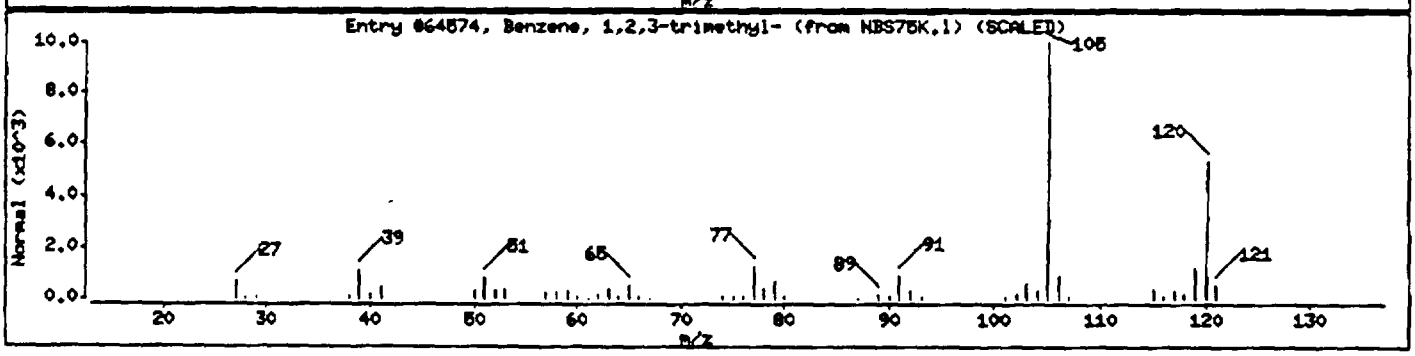
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64574	94	C9H12	120









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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

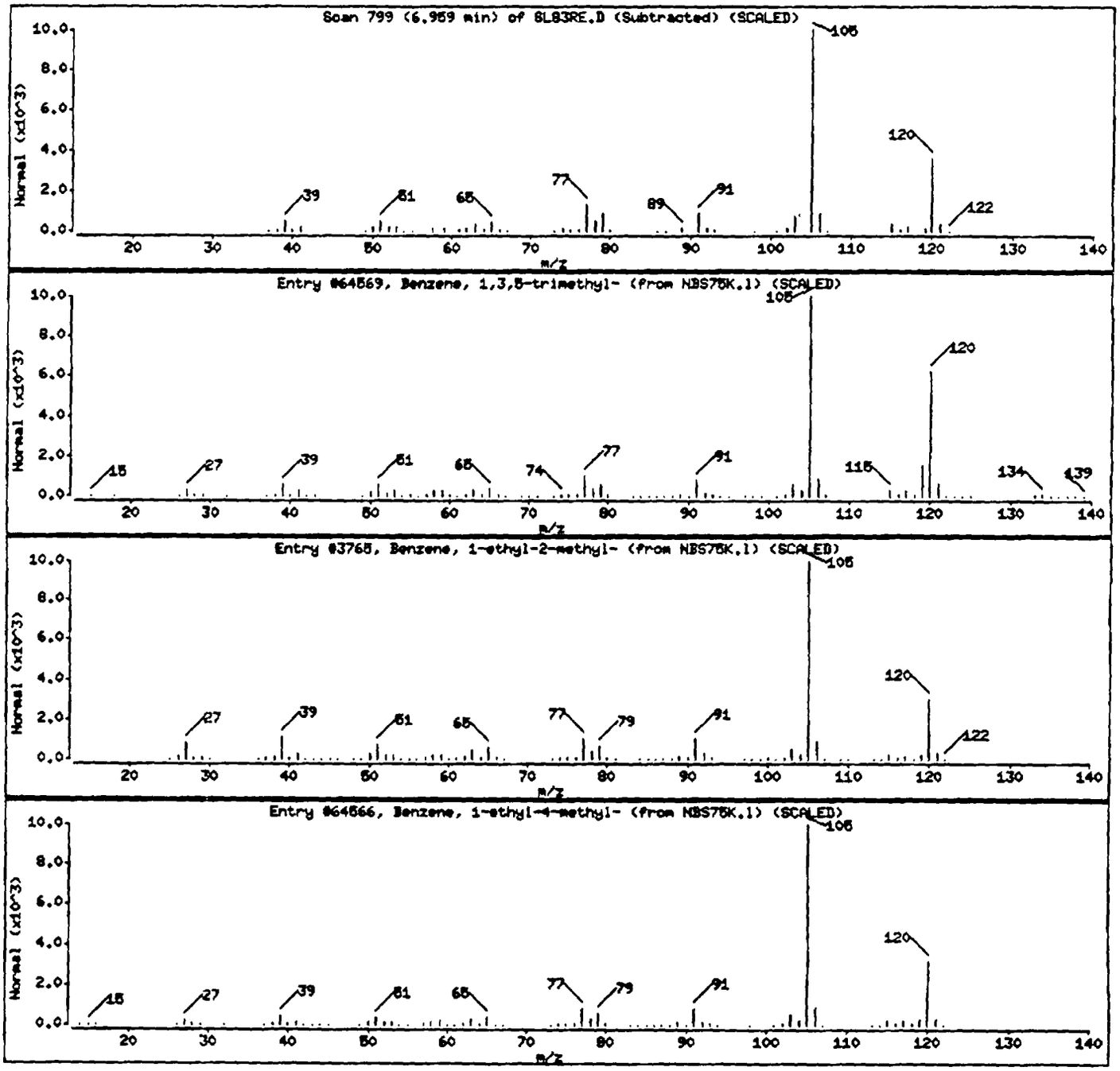
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	90	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	64566	90	C9H12	120



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

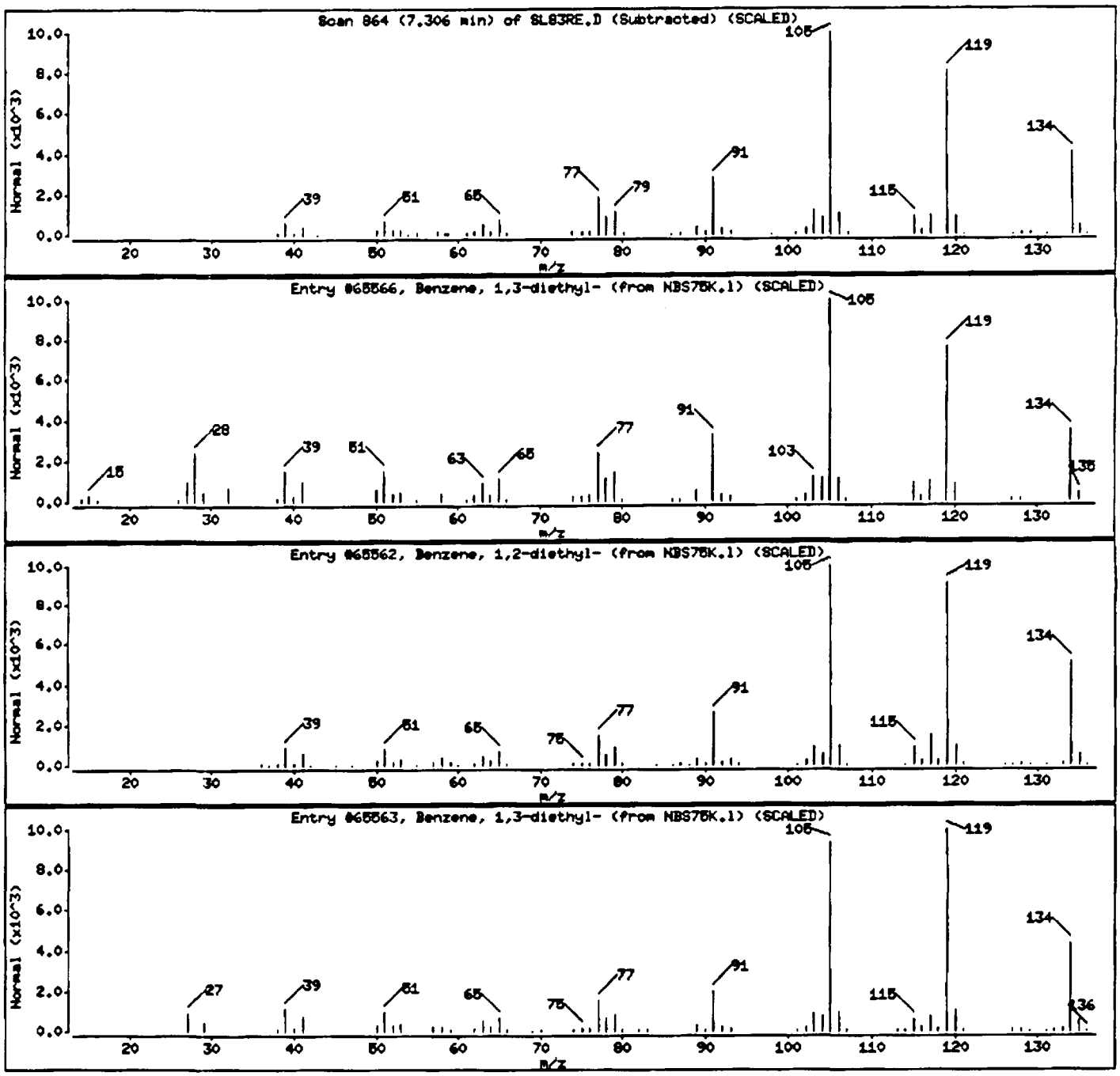
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65566	95	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	95	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65563	94	C10H14	134



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

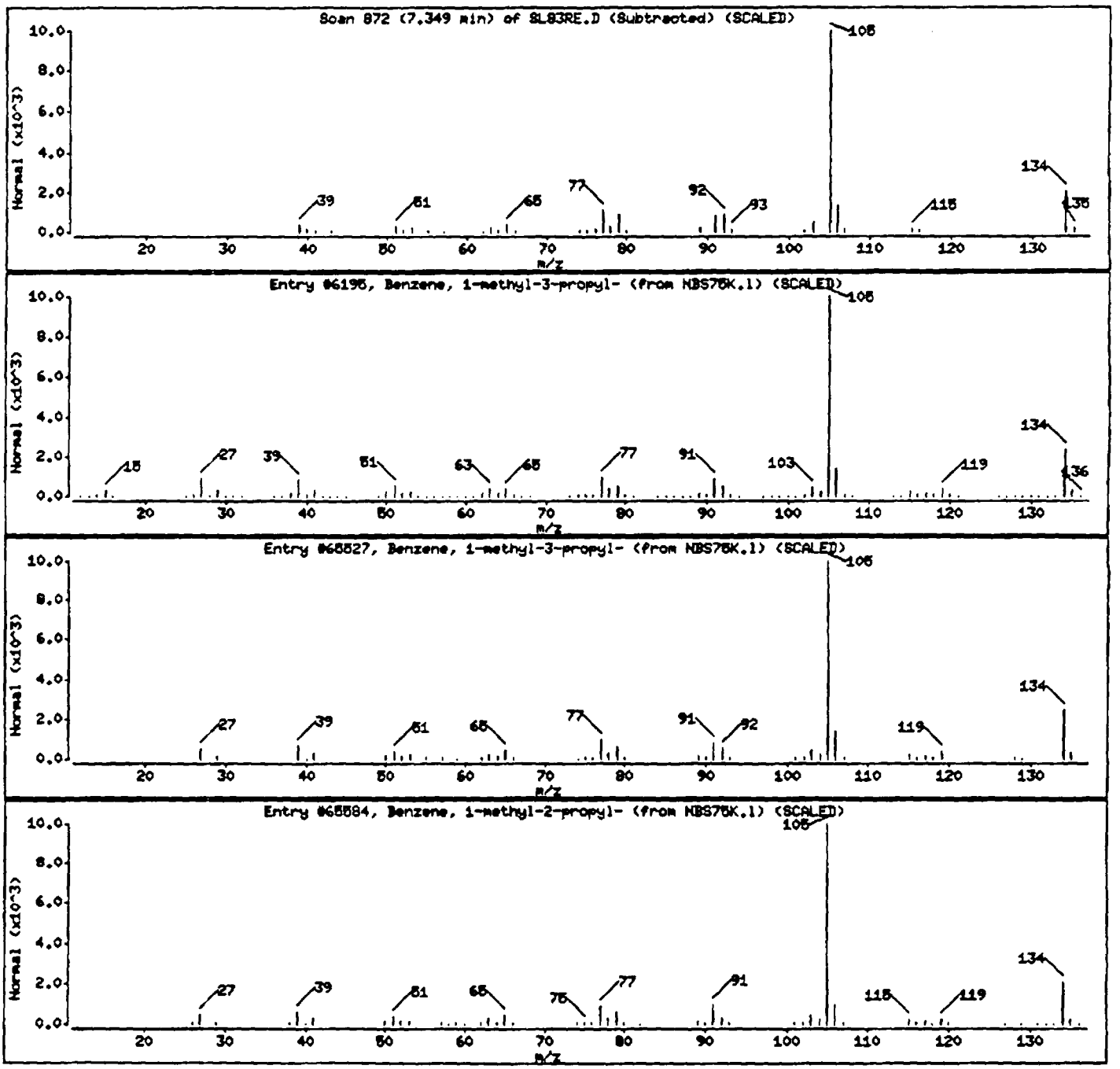
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-3-propyl-	1074-43-7	NBS75K.l	6195	91	C10H14	134
Benzene, 1-methyl-3-propyl-	1074-43-7	NBS75K.l	65527	91	C10H14	134
Benzene, 1-methyl-2-propyl-	1074-17-5	NBS75K.l	65584	87	C10H14	134



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpj#32ad,01204a.b,olp31,i-olp90.sub

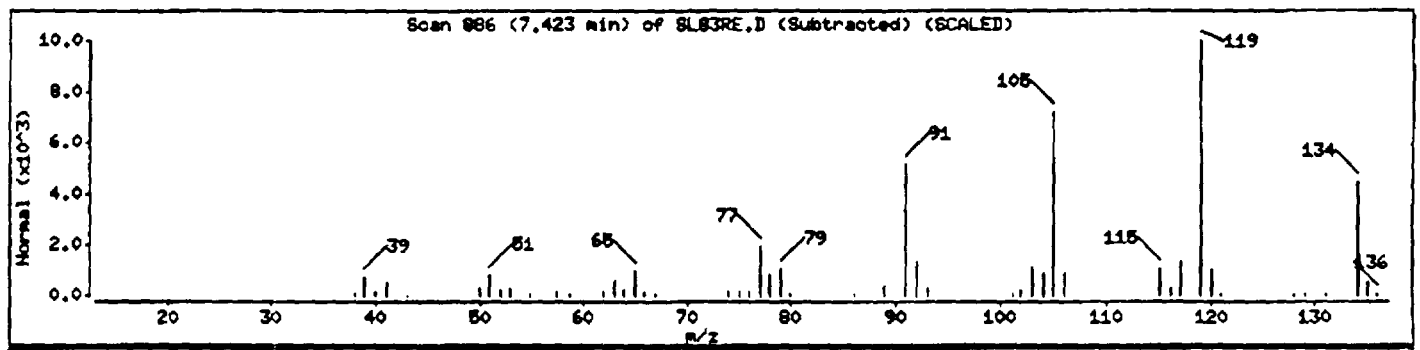
Volume Injected (uL): 2.0

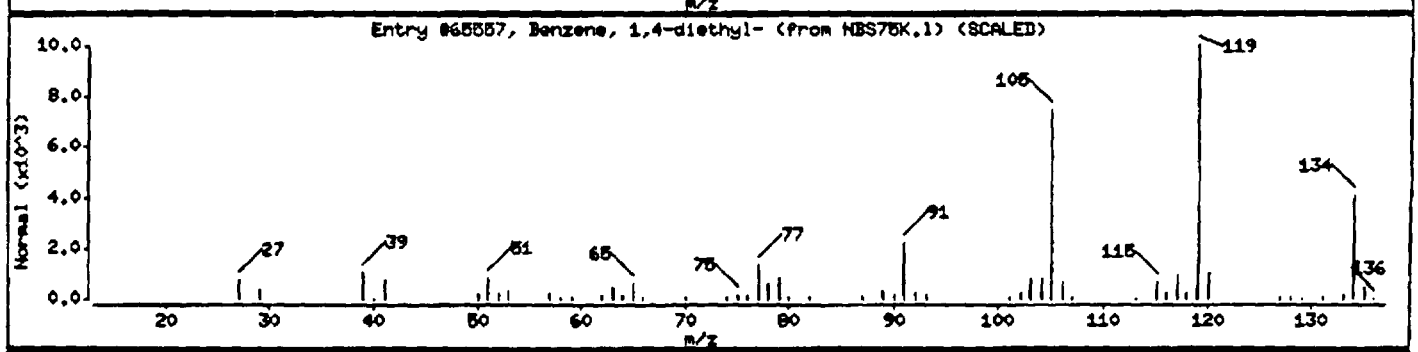
Operator: 001574

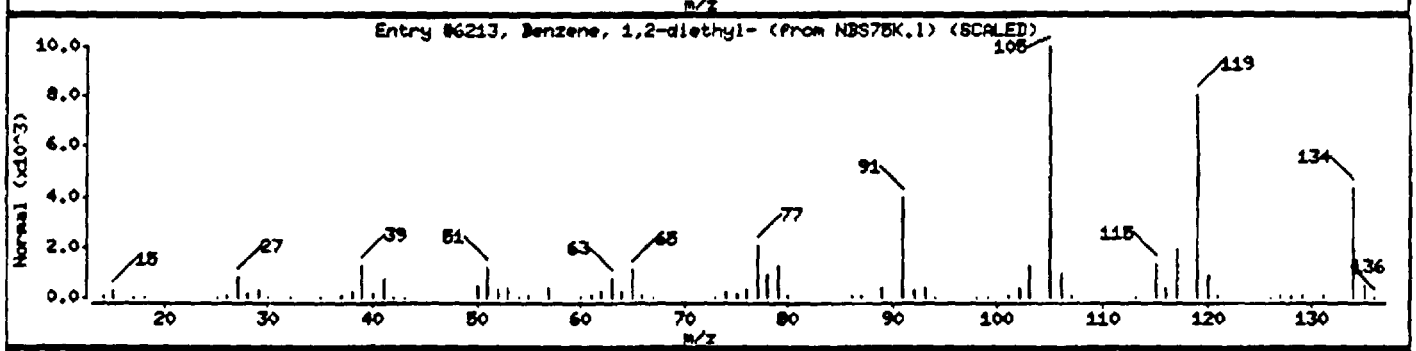
Column phase:

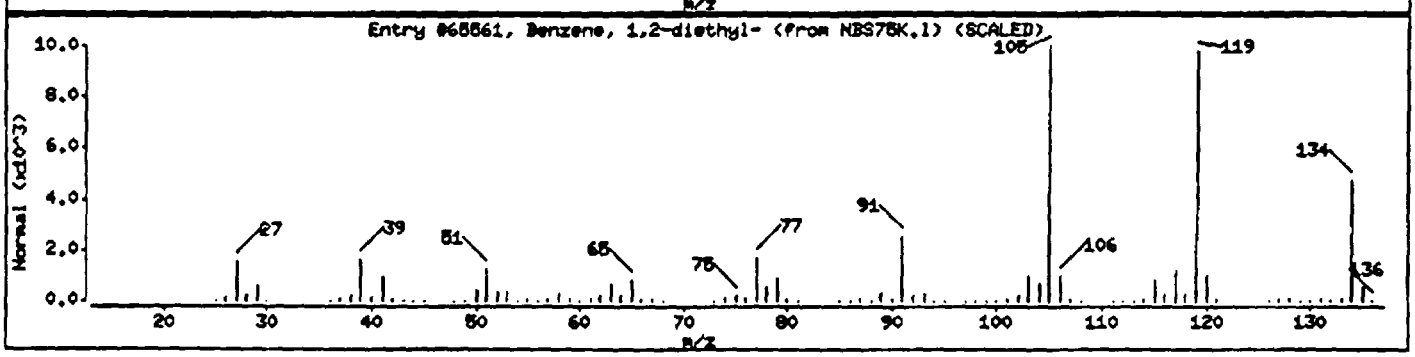
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65557	95	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	6213	94	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65561	94	C10H14	134









Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

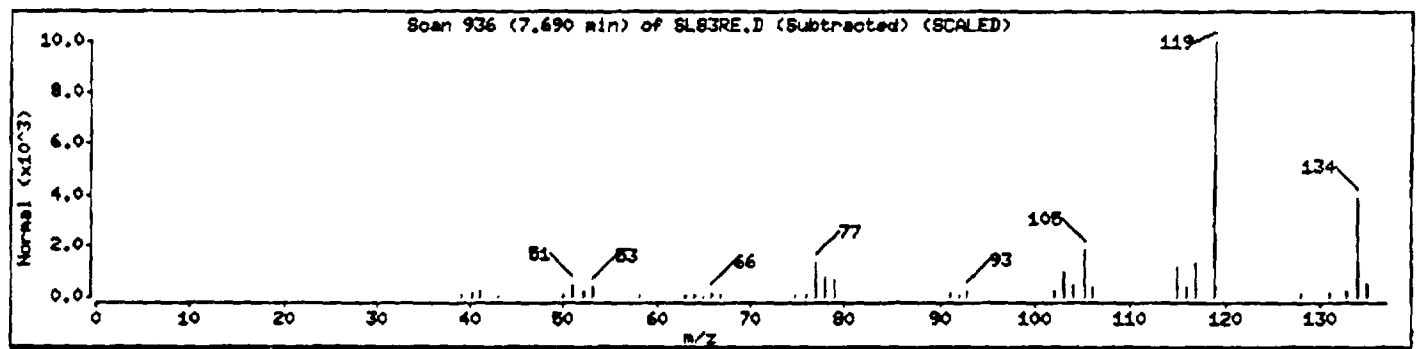
Volume Injected (uL): 2.0

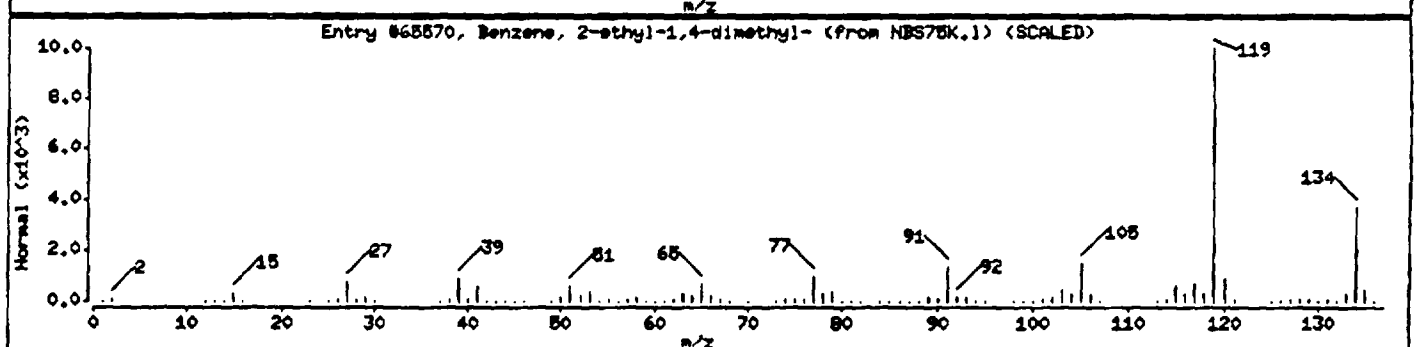
Operator: 001574

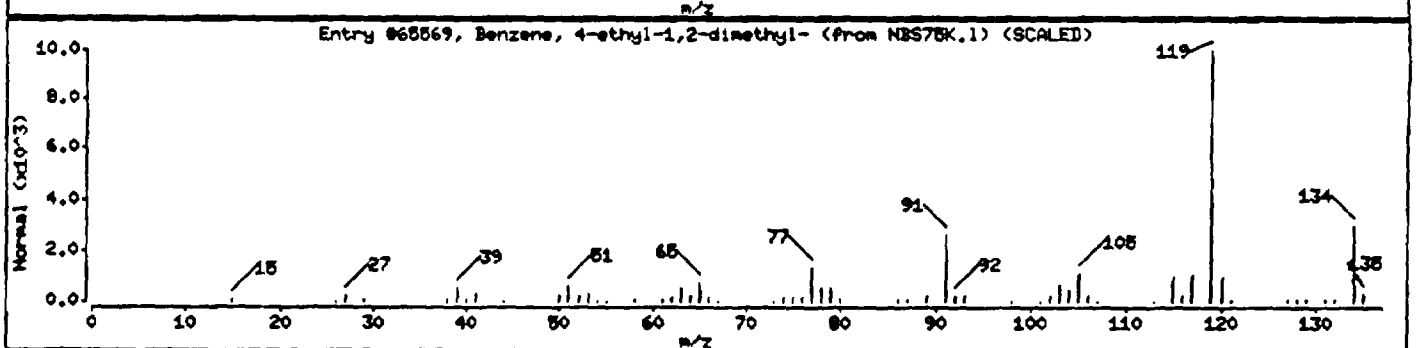
Column phase:

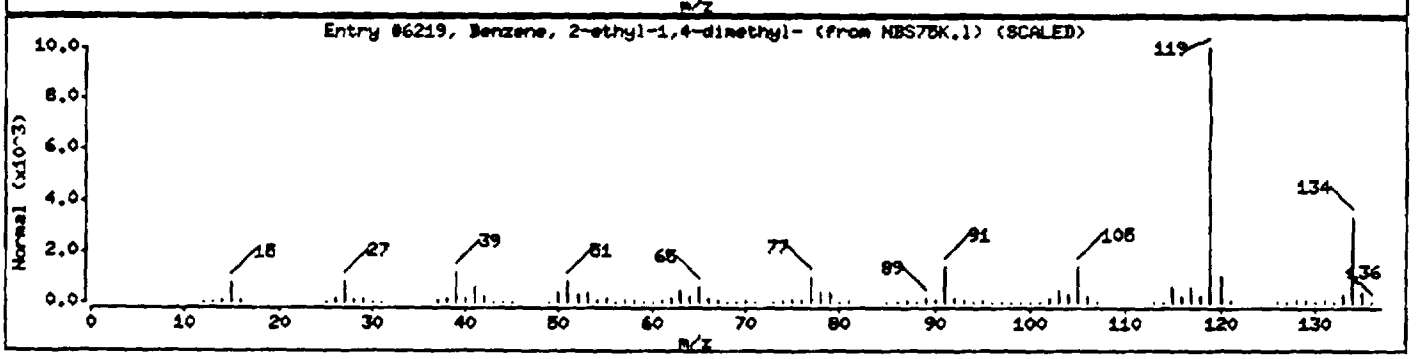
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	65570	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	91	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	6219	91	C10H14	134









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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,i-olp90.sub

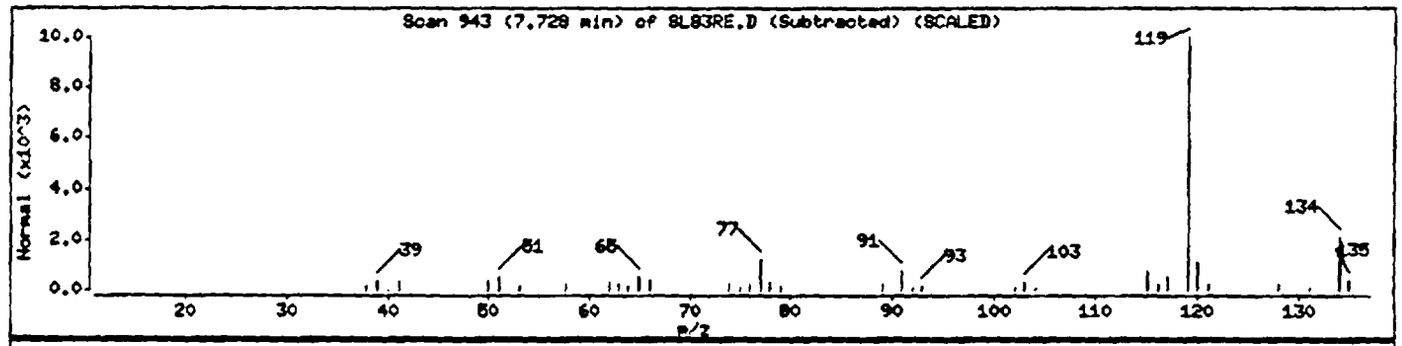
Volume Injected (uL): 2.0

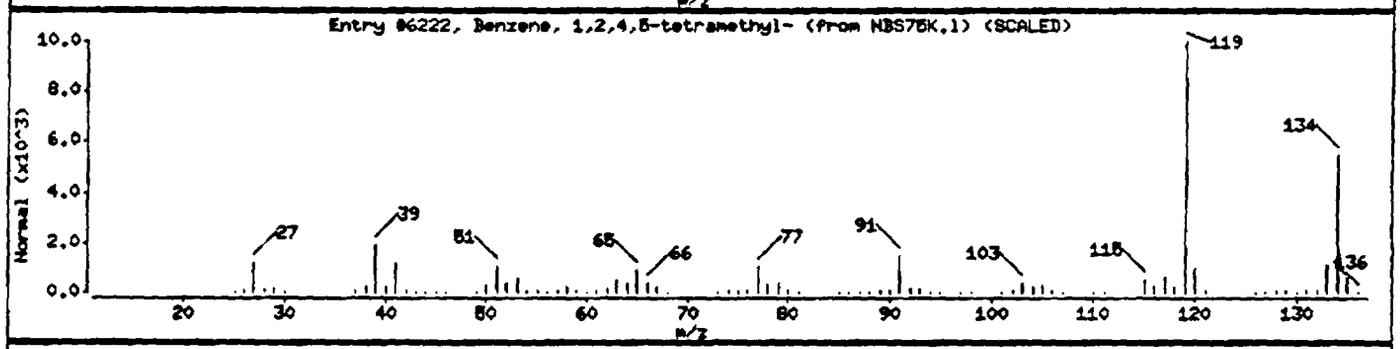
Operator: 001574

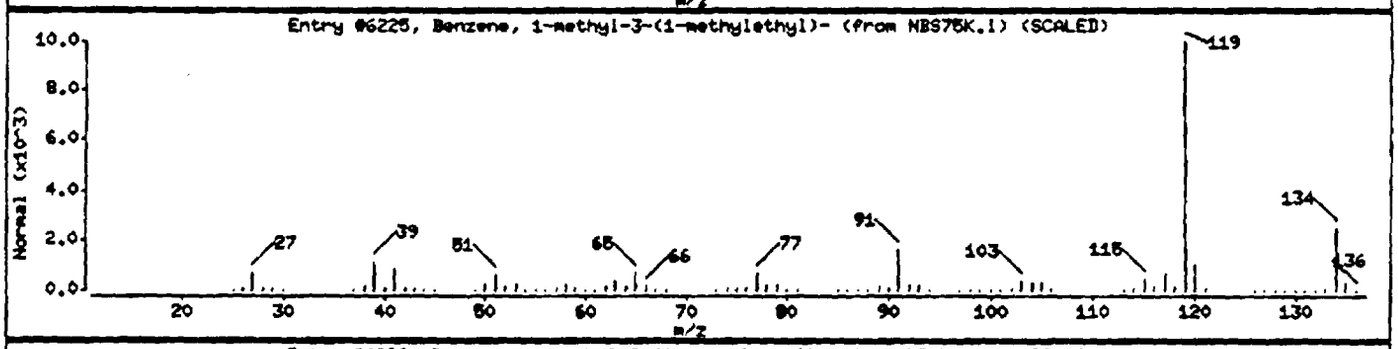
Column phase:

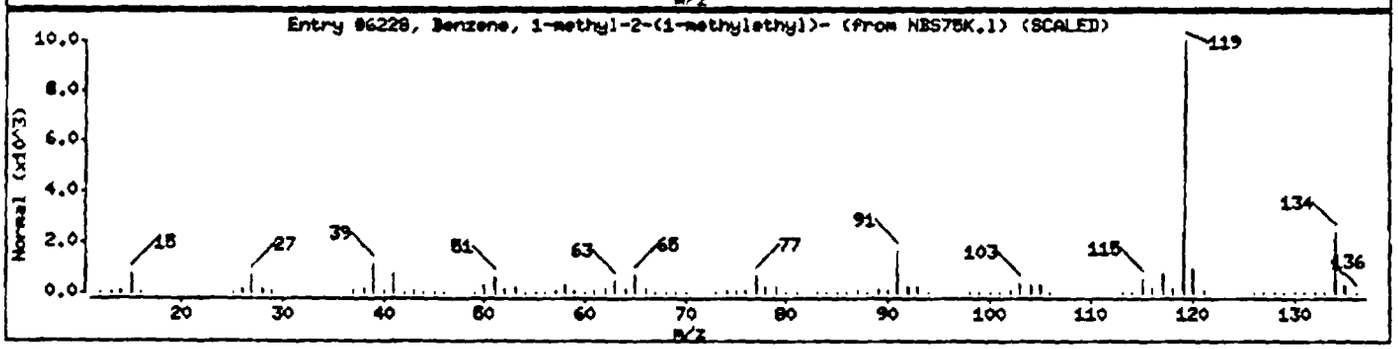
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	6222	90	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	6225	86	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	6228	86	C10H14	134









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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

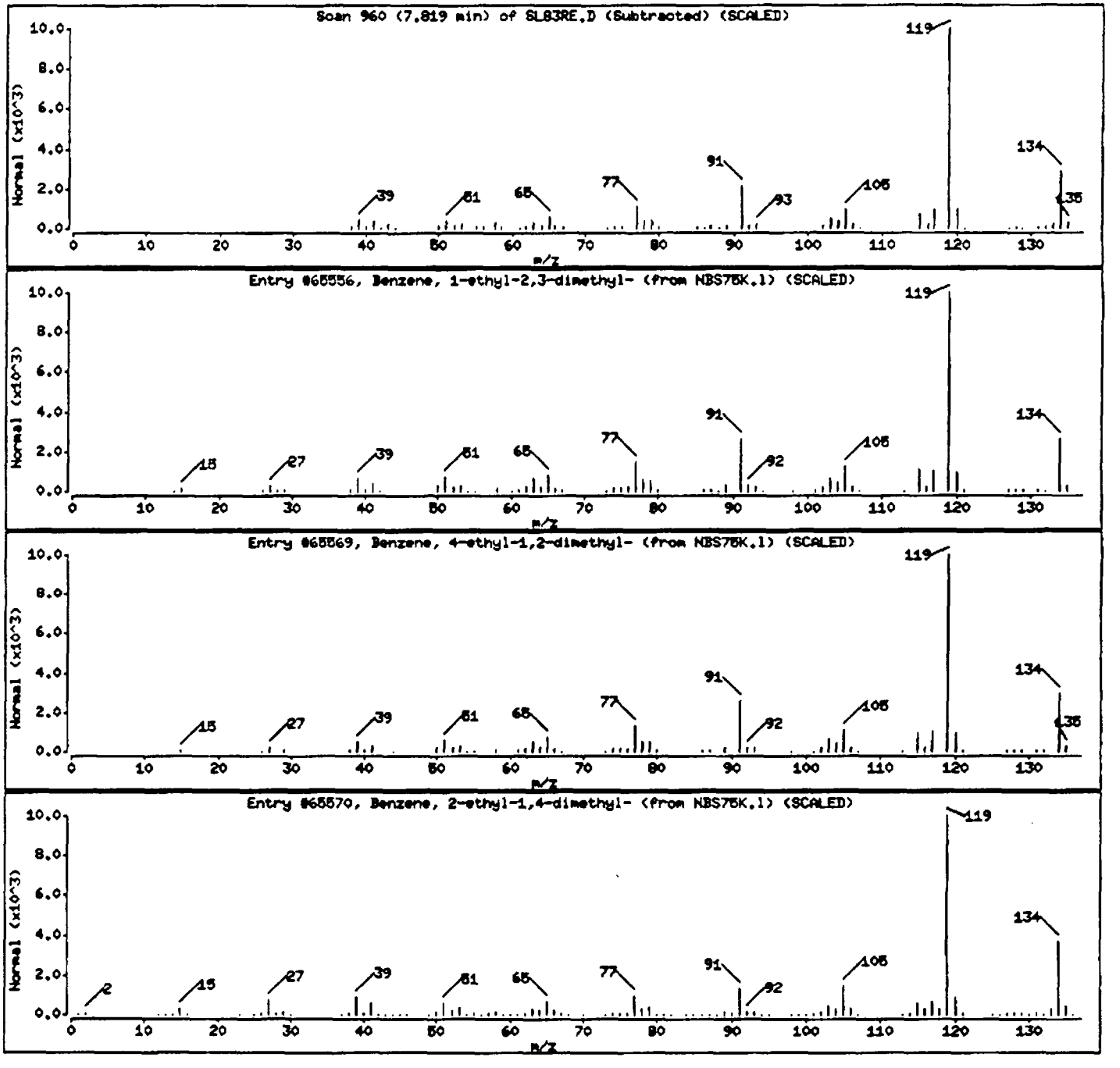
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65556	96	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	65570	94	C10H14	134



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

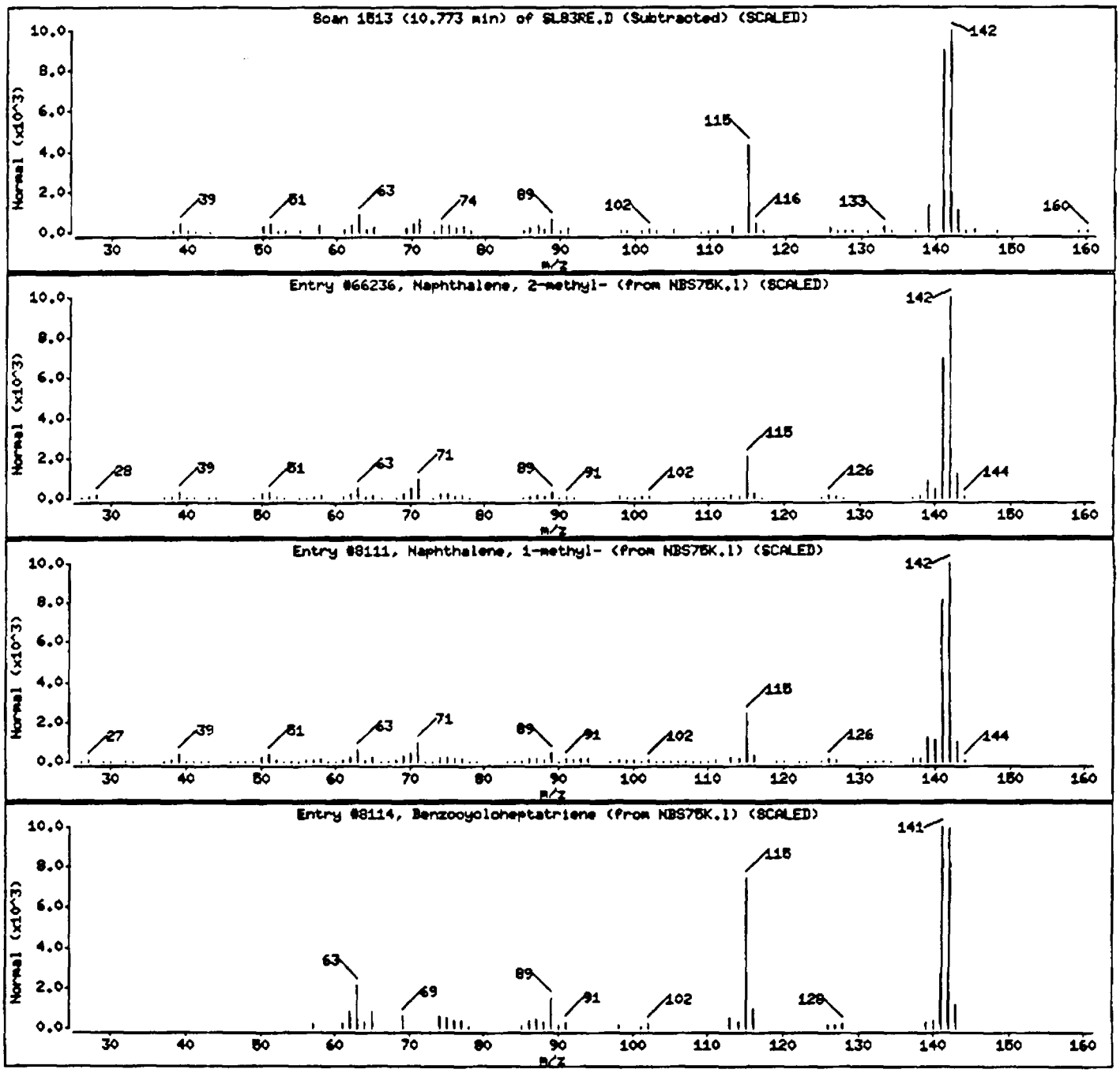
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66236	94	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	8111	91	C11H10	142
Benzocycloheptatriene	264-09-5	NBS75K.l	8114	91	C11H10	142



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

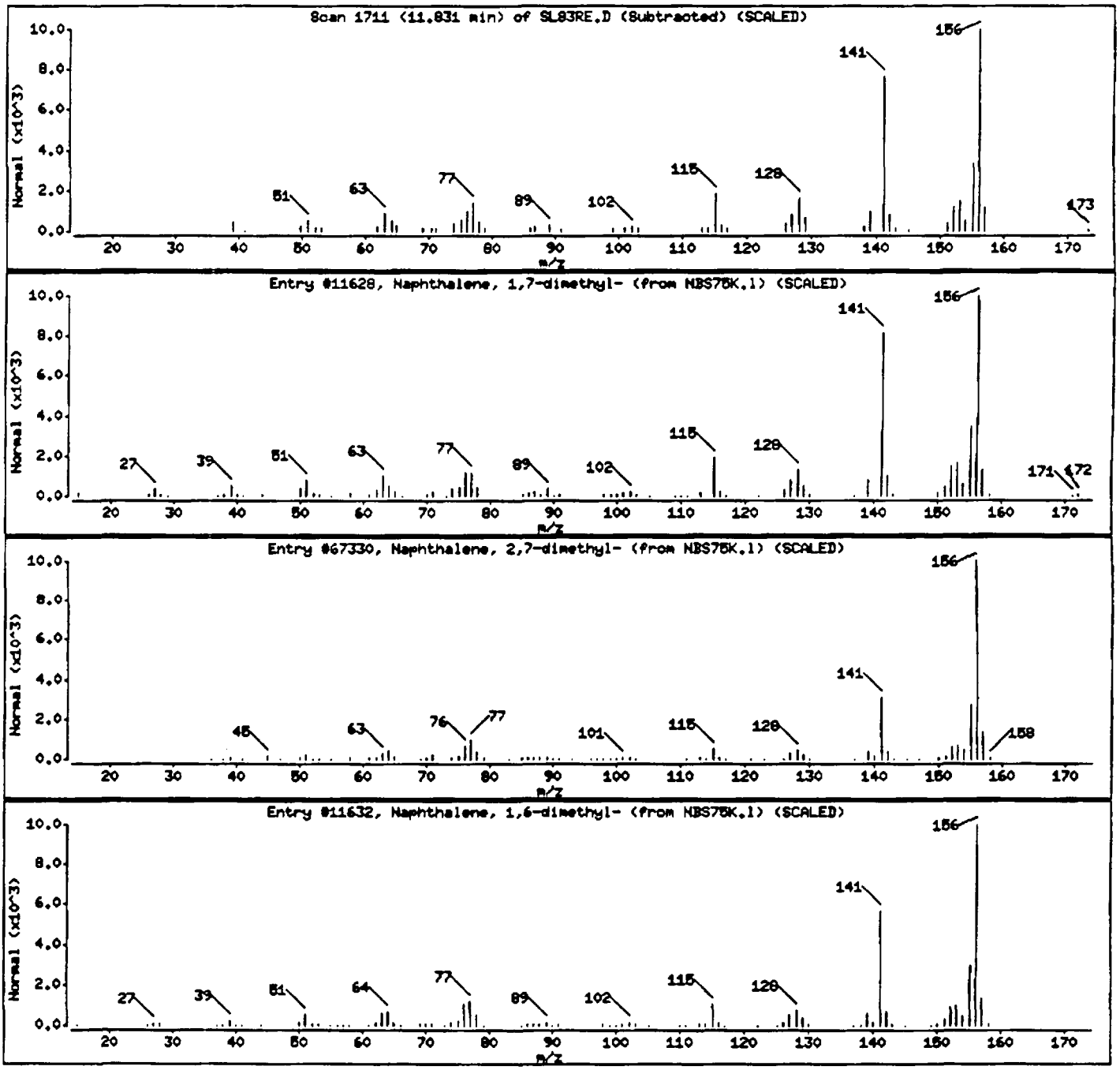
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	11628	98	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67330	97	C12H12	156
Naphthalene, 1,6-dimethyl-	575-43-9	NBS75K.l	11632	97	C12H12	156



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

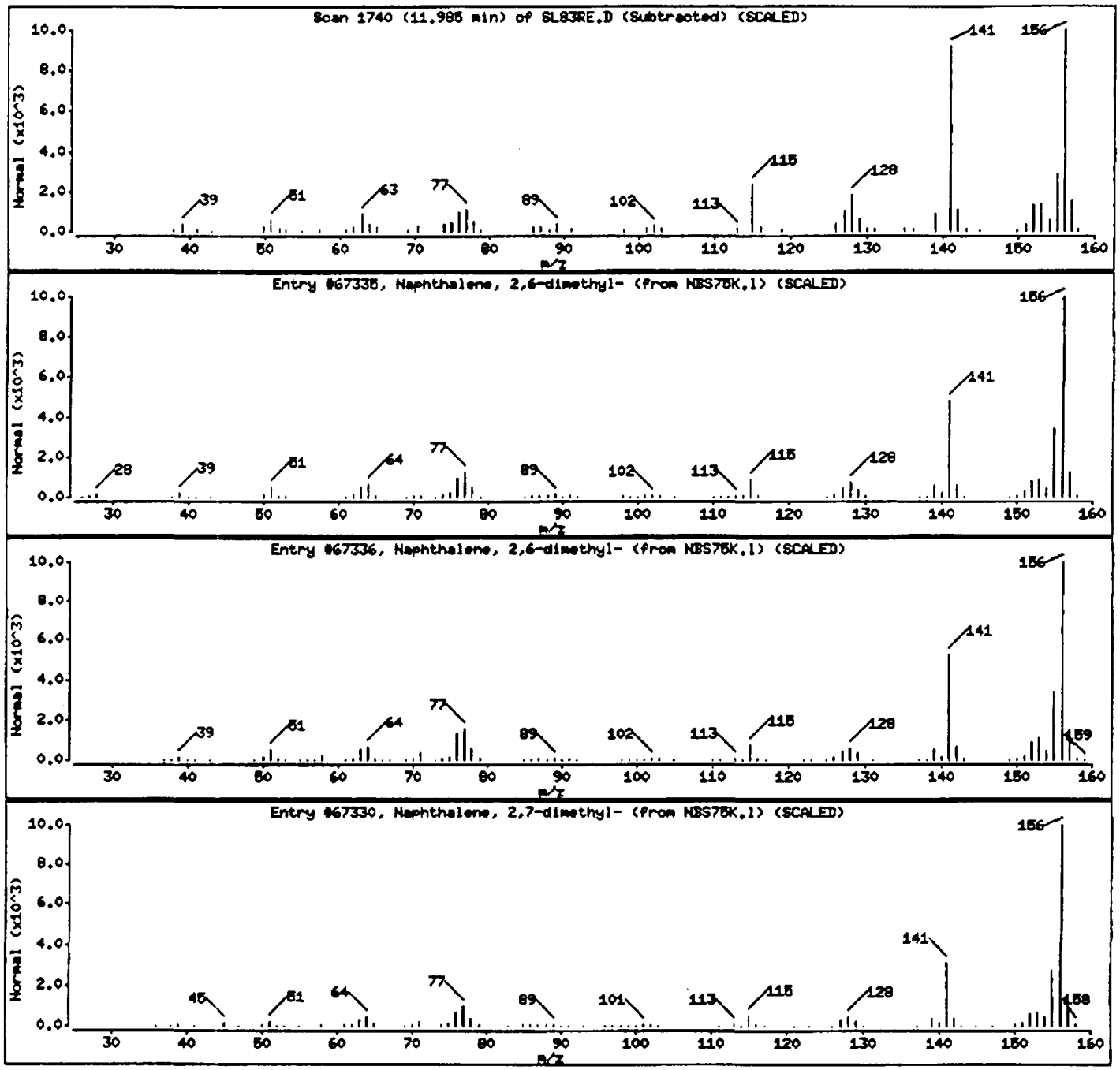
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67335	97	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67336	97	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67330	97	C12H12	156



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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpj#32ad,01204a.b,clp31,i-clp90.sub

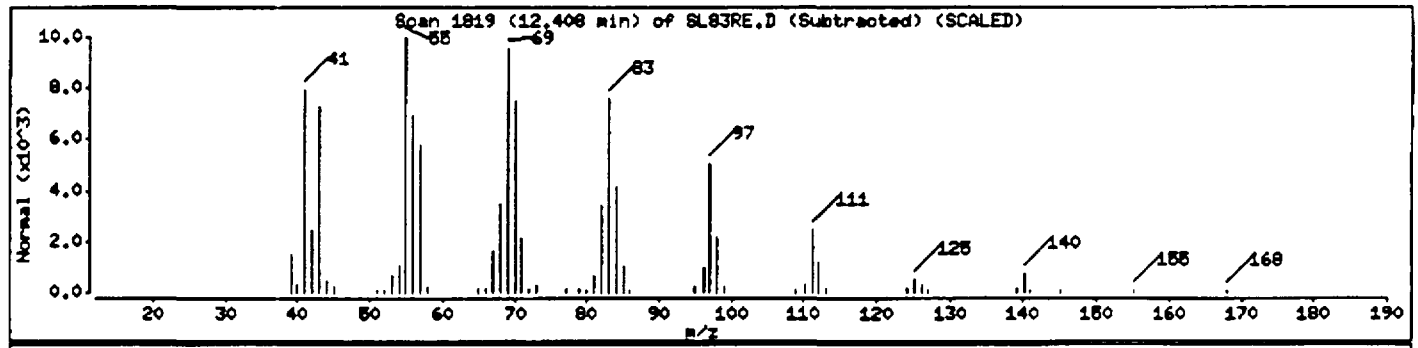
Volume Injected (uL): 2.0

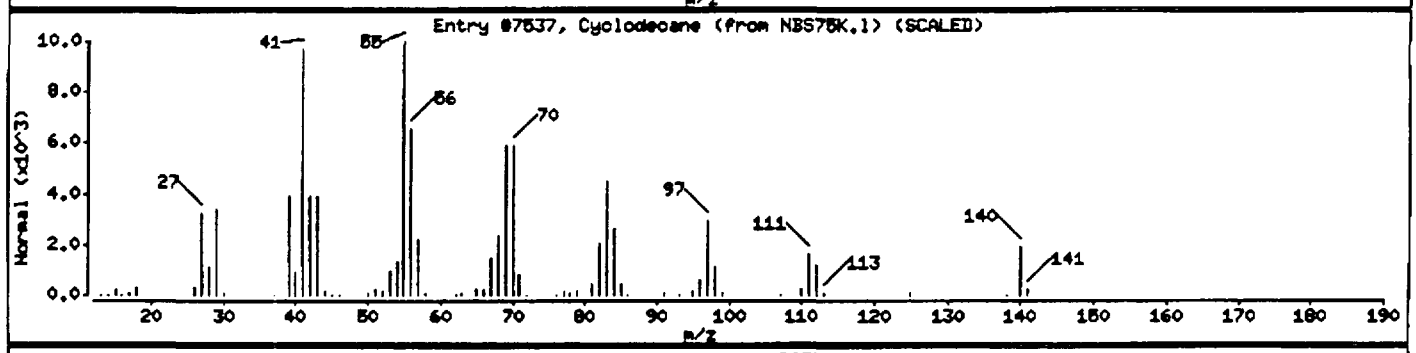
Operator: 001574

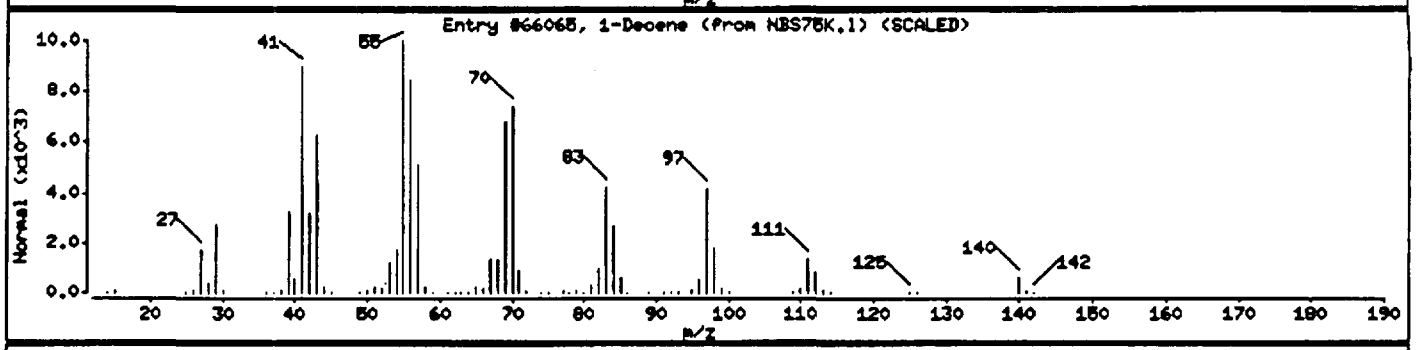
Column phase:

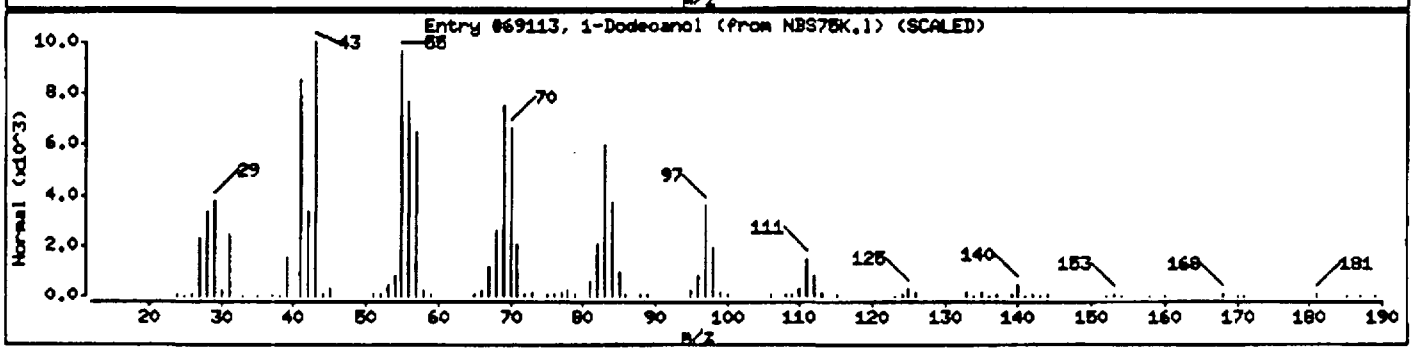
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclodecane	293-96-9	NBS75K.l	7537	96	C10H20	140
1-Decene	872-05-9	NBS75K.l	66065	94	C10H20	140
1-Dodecanol	112-53-8	NBS75K.l	69113	91	C12H26O	186









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Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

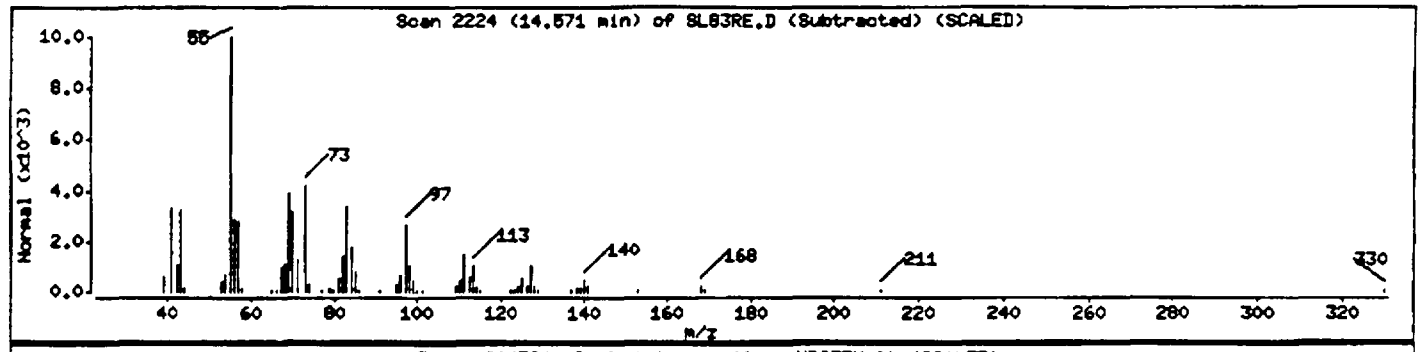
Volume Injected (uL): 2.0

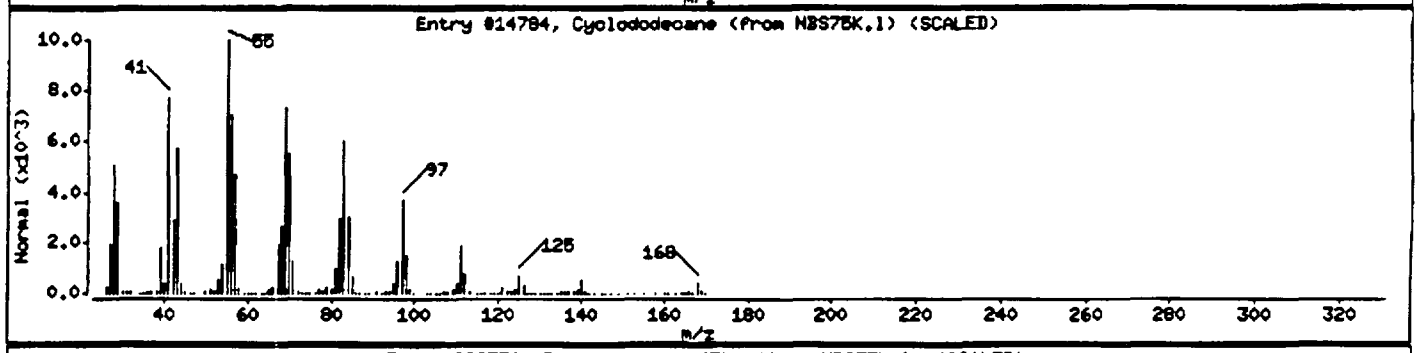
Operator: 001574

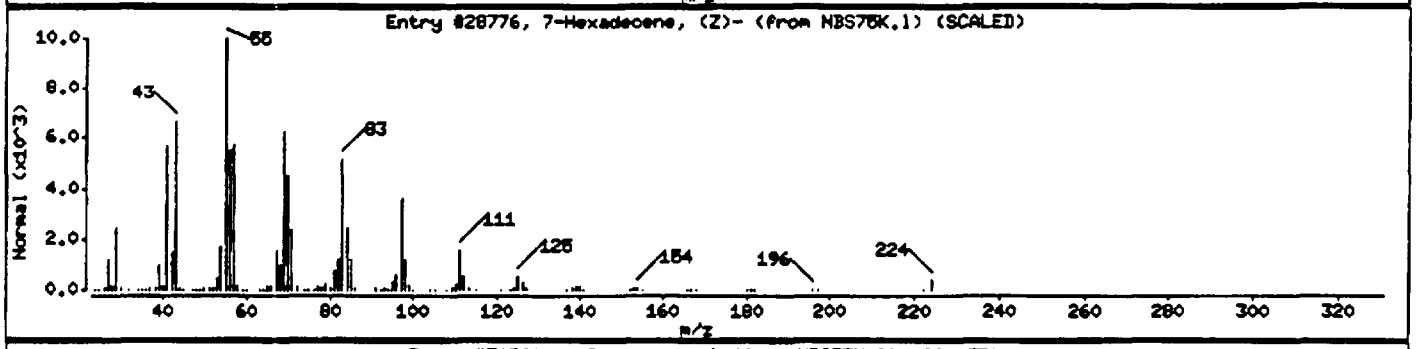
Column phase:

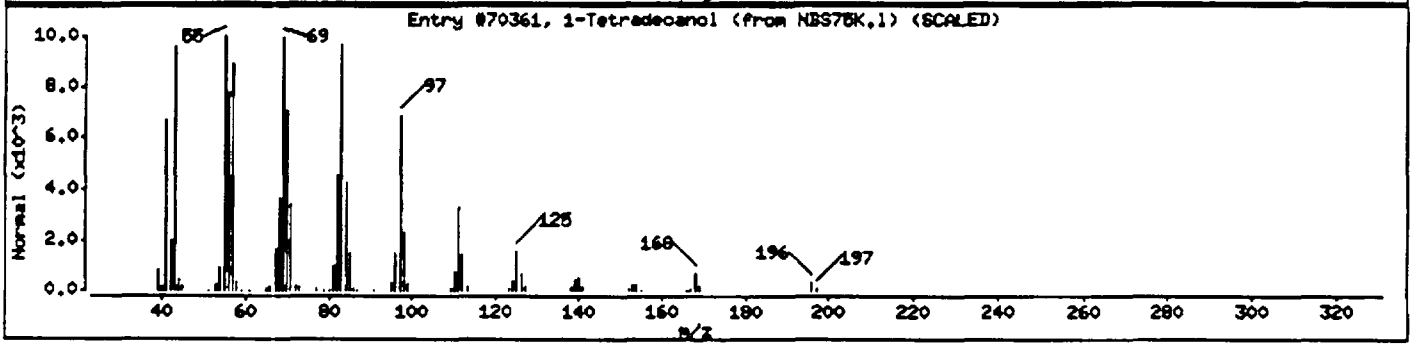
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NBS75K.l	14784	93	C12H24	168
7-Hexadecene, (Z)-	35507-09-6	NBS75K.l	28776	76	C16H32	224
1-Tetradecanol	112-72-1	NBS75K.l	70361	76	C14H30O	214









Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL83RE.D

Date : 04-DEC-2000 18:40

Client ID: SL-83-9.0'

Instrument: a4hp9.i

Sample Info: dpjf32ad,01204a.b,olp31,1-olp90.sub

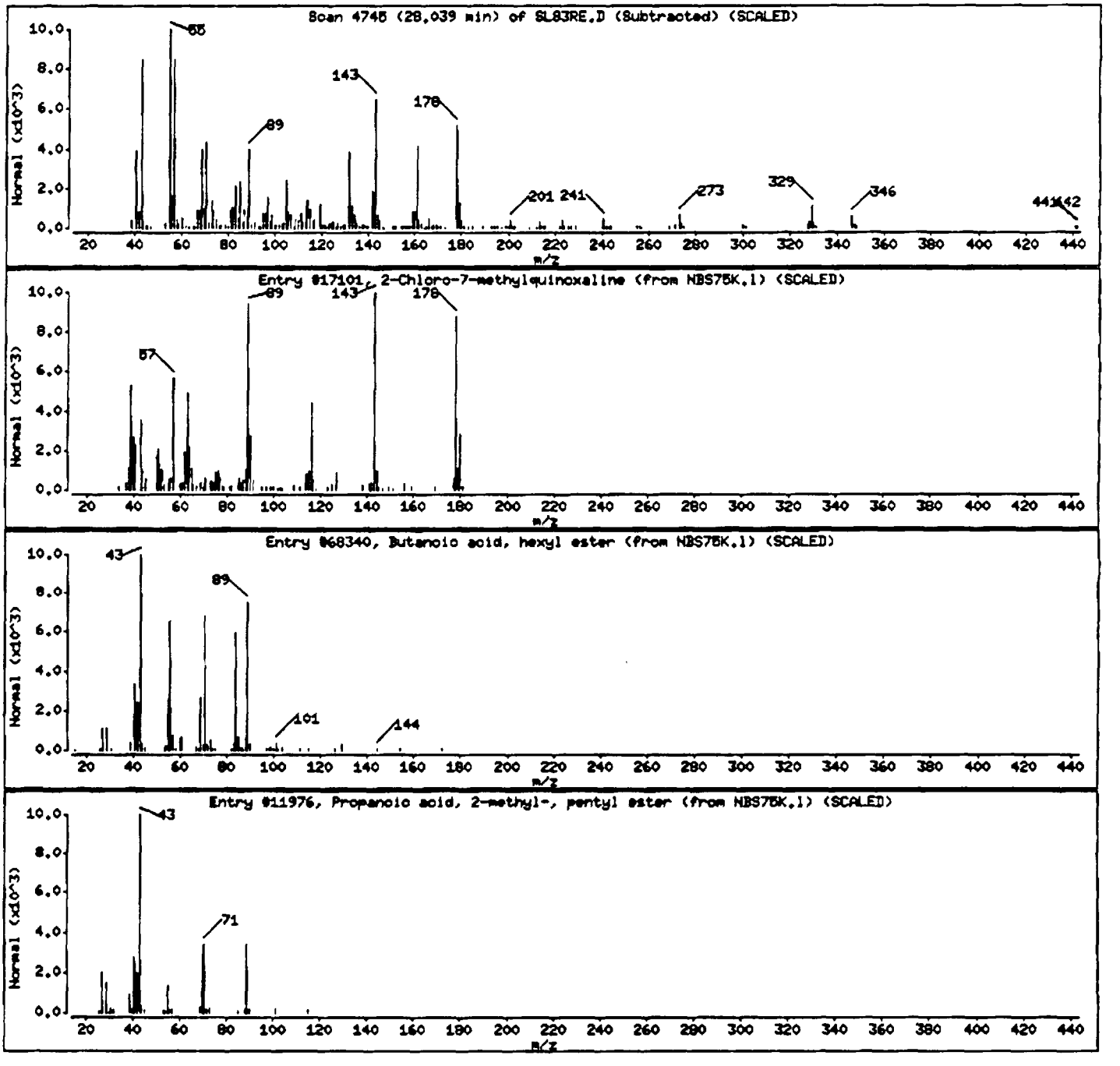
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Chloro-7-methylquinoxaline	0-00-0	NBS75K.l	17101	35	C9H7ClN2	178
Butanoic acid, hexyl ester	2639-63-6	NBS75K.l	68340	14	C10H20O2	172
Propanoic acid, 2-methyl-, pentyl ester	2445-72-9	NBS75K.l	11976	14	C9H18O2	158



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: 0K04153

Matrix: (soil/water) SO Lab Sample ID: A0K080242 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 11/08/00
Work Order: DPJF52A4 Date Extracted: 11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %: 23

QC Batch: 0334105

Client Sample Id: DSL-16 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	4300	U
111-44-4	bis(2-Chloroethyl) ether	4300	U
95-57-8	2-Chlorophenol	4300	U
541-73-1	1,3-Dichlorobenzene	4300	U
106-46-7	1,4-Dichlorobenzene	4300	U
95-50-1	1,2-Dichlorobenzene	4300	U
95-48-7	2-Methylphenol	4300	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	4300	U
106-44-5	4-Methylphenol	4300	U
621-64-7	N-Nitrosodi-n-propylamine	4300	U
67-72-1	Hexachloroethane	4300	U
98-95-3	Nitrobenzene	4300	U
78-59-1	Isophorone	4300	U
88-75-5	2-Nitrophenol	4300	U
105-67-9	2,4-Dimethylphenol	4300	U
111-91-1	bis(2-Chloroethoxy)methane	4300	U
120-83-2	**2,4-Dichlorophenol**	**610**	**J**
120-82-1	1,2,4-Trichlorobenzene	4300	U
91-20-3	**Naphthalene**	**5700**	
106-47-8	4-Chloroaniline	4300	U
87-68-3	Hexachlorobutadiene	4300	U
59-50-7	4-Chloro-3-methylphenol	4300	U
91-57-6	**2-Methylnaphthalene**	**20000**	
77-47-4	Hexachlorocyclopentadiene	4300	U
88-06-2	2,4,6-Trichlorophenol	4300	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	4300	U
88-74-4	2-Nitroaniline	10000	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 11/08/00
Work Order: DPJF52A4 Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:23

QC Batch: 0334105

Client Sample Id: DSL-16 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	4300	U
208-96-8	Acenaphthylene	4300	U
606-20-2	2,6-Dinitrotoluene	4300	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	**Acenaphthene**	**1100**	**J**
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	4300	U
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethyl phthalate	4300	U
7005-72-3	4-Chlorophenyl phenyl ether	4300	U
86-73-7	**Fluorene**	**1600**	**J**
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine	4300	U
101-55-3	4-Bromophenyl phenyl ether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	**Phenanthrene**	**940**	**J**
120-12-7	Anthracene	4300	U
86-74-8	Carbazole	4300	U
84-74-2	Di-n-butyl phthalate	4300	U
206-44-0	Fluoranthene	4300	U
129-00-0	Pyrene	4300	U
85-68-7	Butyl benzyl phthalate	4300	U
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)anthracene	4300	U
218-01-9	Chrysene	4300	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 11/08/00
Work Order: DPJF52A4 Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:23

QC Batch: 0334105

Client Sample Id: DSL-16 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	4300	U
117-84-0	Di-n-octyl phthalate	4300	U
205-99-2	Benzo(b)fluoranthene	4300	U
207-08-9	Benzo(k)fluoranthene	4300	U
50-32-8	Benzo(a)pyrene	4300	U
193-39-5	Indeno(1,2,3-cd)pyrene	4300	U
53-70-3	Dibenz(a,h)anthracene	4300	U
191-24-2	Benzo(ghi)perylene	4300	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 11/08/00
Work Order: DPJF52A4 Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:23

QC Batch: 0334105

Client Sample Id: DSL-16 -RE 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L or ug/kg) ug/kg	Q
	Unknown Aldol Condensate	4.3753	27000	JA
	Unknown Aromatic	4.7439	4800	J
	Unknown Aromatic	6.0848	17000	J
	Unknown Aromatic	6.1222	7800	J
	Unknown Aromatic	6.2023	18000	J
	Unknown Aromatic	6.3412	8100	J
	Unknown Aromatic	6.5656	21000	J
	Unknown Aromatic	6.9663	11000	J
	Unknown Aromatic	7.3135	9400	J
	Unknown Aromatic	7.4417	16000	J
	Unknown Aromatic	7.7355	5000	J
	Unknown Aromatic	7.8263	10000	J
	Unknown Aromatic	8.2537	4200	J
	Unknown Aromatic	8.3071	5100	J
	Unknown	8.4674	2500	J
	Unknown Aromatic	8.7185	6700	J
	Unknown Aromatic	9.2794	5500	J
	Unknown Hydrocarbon	9.3862	2400	J
	Unknown Aromatic	9.7602	2900	J
	Unknown Aromatic	9.9792	3800	J
	Unknown Aromatic	10.331	3100	J
	Unknown Hydrocarbon	10.444	2900	J
	Unknown PAH	10.801	14000	J
	Unknown	11.01	5600	J
	Unknown PAH	11.715	5000	J
	Unknown PAH	11.849	21000	J

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

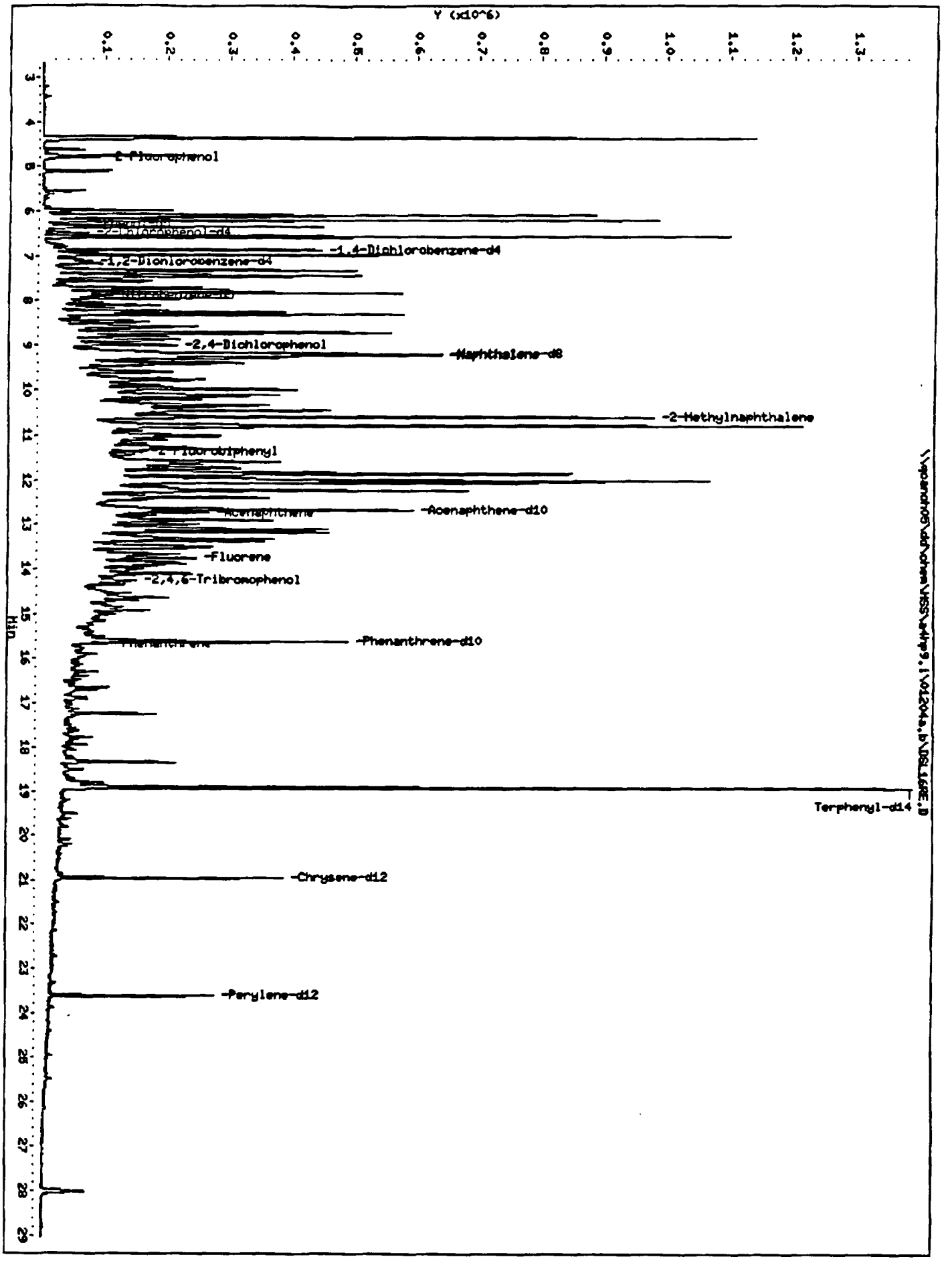
Sample WT/Vol: 30.03 / g Date Received: 11/08/00
Work Order: DPJF52A4 Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:23

QC Batch: 0334105

Client Sample Id: DSL-16 -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown PAH	12.014	26000	J
	Unknown PAH	12.057	8700	J
	Unknown PAH	12.228	7100	J
	Unknown PAH	12.896	5600	J
	Unknown PAH	13.104	6300	J
	Unknown PAH	13.173	6000	J
	Unknown PAH	13.505	3900	J


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
Min
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23
24
25
26
27
28
29
2-Fluorophenol
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-2,4-Dichlorophenol
-Naphthalene-d8
-2-Methylnaphthalene
2-Fluorobiphenyl
-Acenaphthene-d10
-Fluorene
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DSL16RE.D
Lab Smp Id: DPJF52A4 Client Smp ID: DSL-16
Inj Date : 04-DEC-2000 19:19
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjf52a4,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 10
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.030	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.859	6.859	(1.000)	103345	40.0000	
* 2 Naphthalene-d8	136	9.193	9.199	(1.000)	377760	40.0000	
* 3 Acenaphthene-d10	164	12.666	12.671	(1.000)	184672	40.0000	
* 4 Phenanthrene-d10	188	15.631	15.631	(1.000)	289178	40.0000	
* 5 Chrysene-d12	240	20.962	20.973	(1.000)	216075	40.0000	
* 6 Perylene-d12	264	23.628	23.633	(1.000)	166745	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

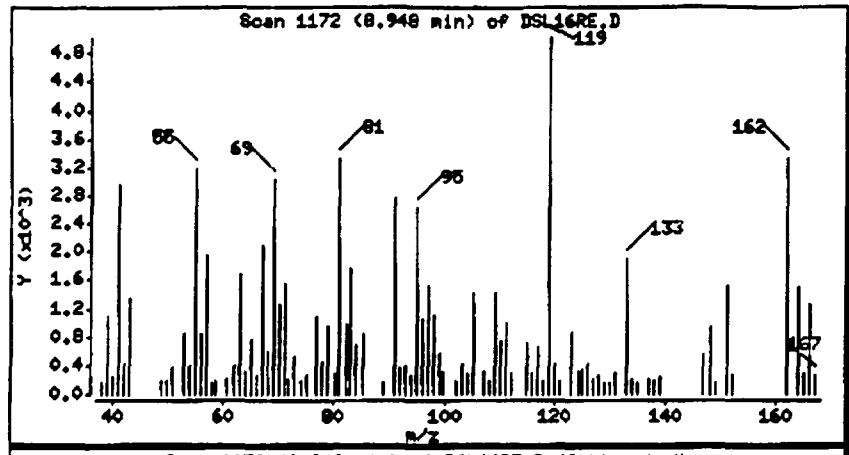
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	8.948	8.958	(0.973)	7307	2.83970	470(aQ)
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	9.231	9.236	(1.004)	239207	26.6162	4400
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	10.598	10.588	(1.153)	524142	88.0072	15000
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	12.725	12.735	(1.005)	20822	4.87963	810(a)
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	13.756	13.761	(1.086)	37680	7.49688	1200(a)
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	15.673	15.684	(1.003)	31751	4.29840	720(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

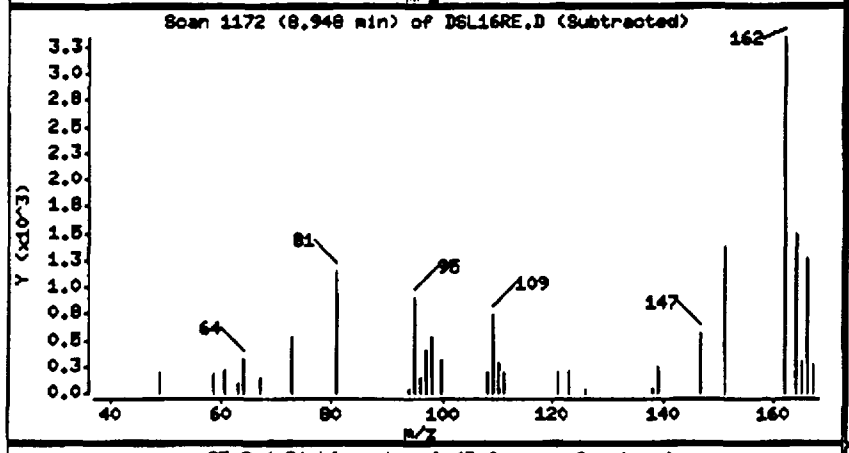
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.890	7.901	(0.858)	25211	6.65851	1100(a)
$	73 2-Fluorobiphenyl	172	11.357	11.362	(0.897)	39682	7.94512	1300(a)
$	74 Terphenyl-d14	244	18.911	18.916	(0.902)	31210	6.09868	1000(a)
$	75 Phenol-d5	99	6.287	6.303	(0.917)	36184	8.24502	1400(a)
$	76 2-Fluorophenol	112	4.792	4.781	(0.699)	29707	8.60907	1400(a)
$	77 2,4,6-Tribromophenol	330	14.263	14.268	(0.913)	5830	7.66537	1300(aQ)
$	78 2-Chlorophenol-d4	132	6.474	6.485	(0.944)	29649	9.86979	1600(a)
$	79 1,2-Dichlorobenzene-d4	152	7.131	7.137	(1.040)	10934	5.45613	910(a)

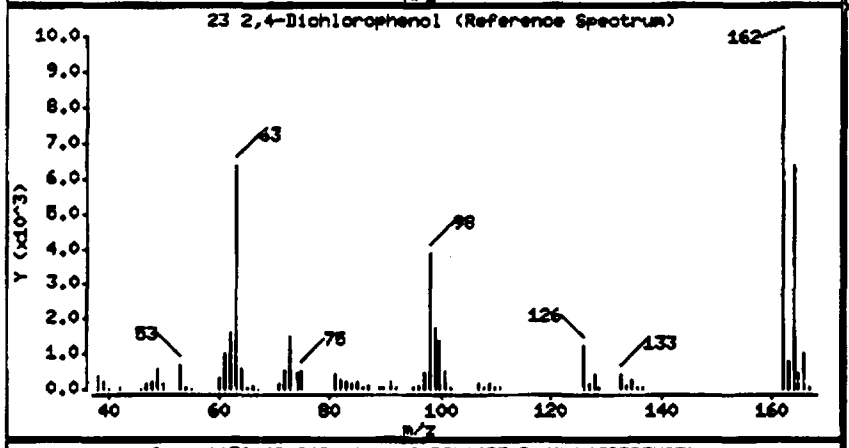
QC Flag Legend

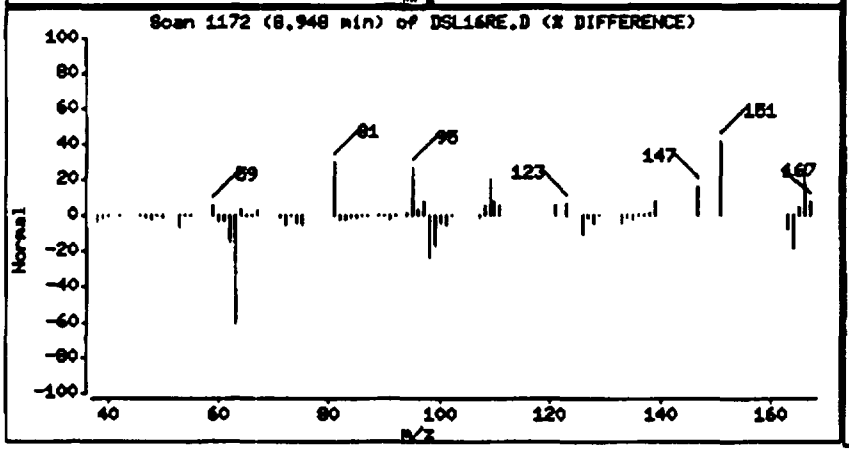
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

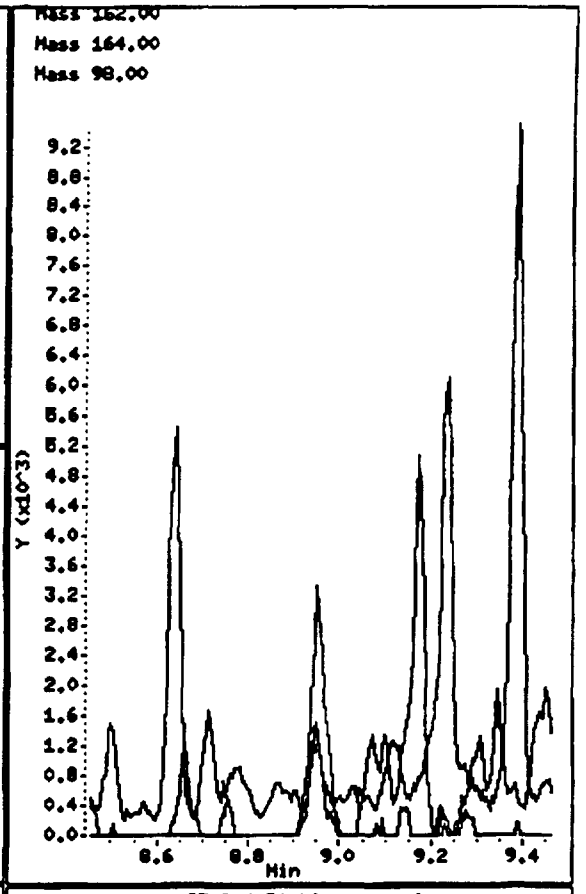
23 2,4-Dichlorophenol

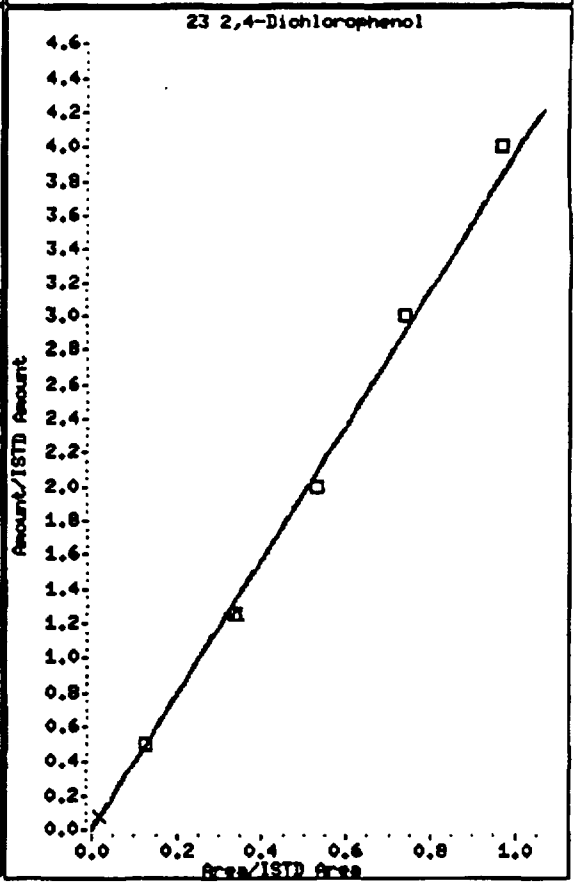




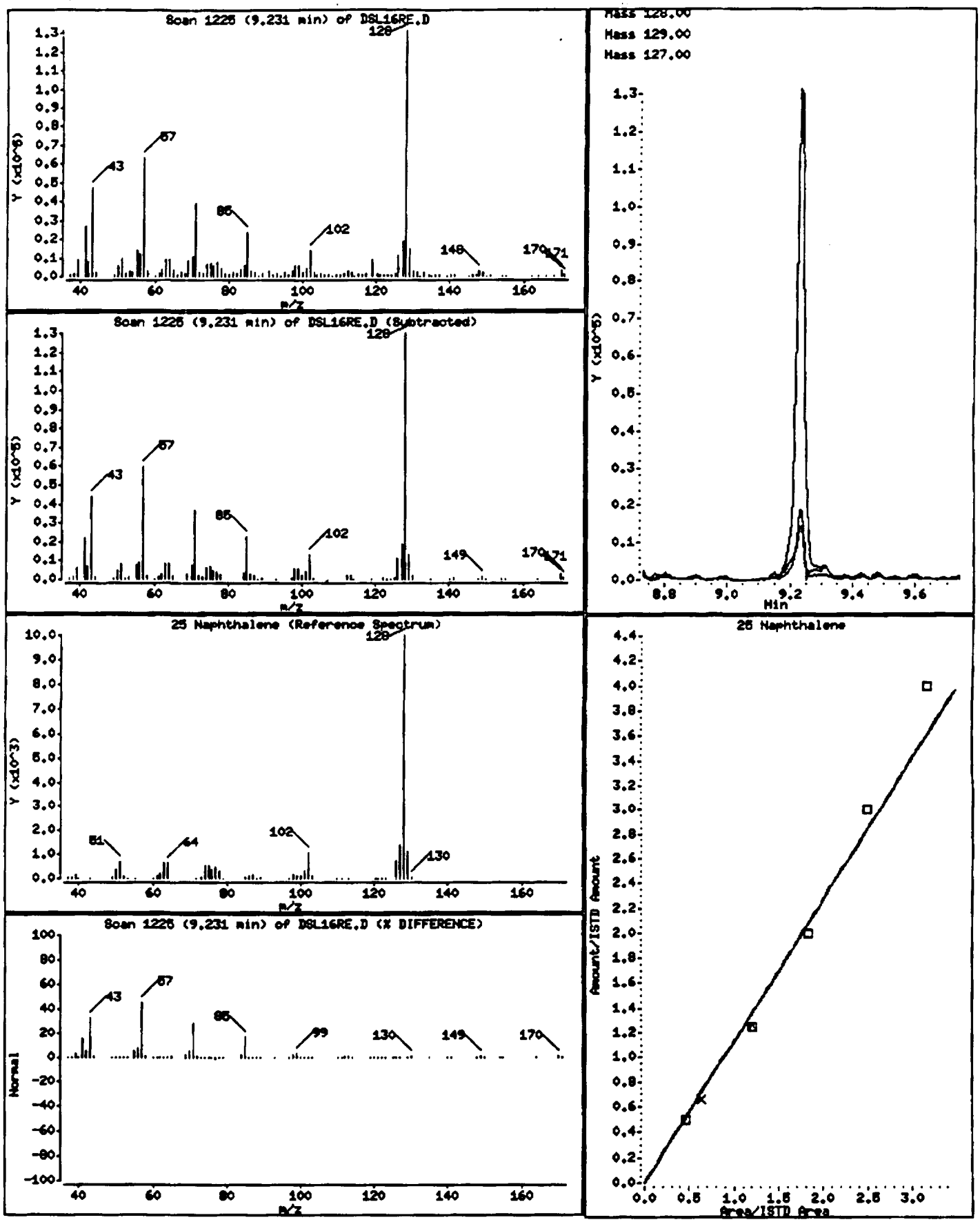




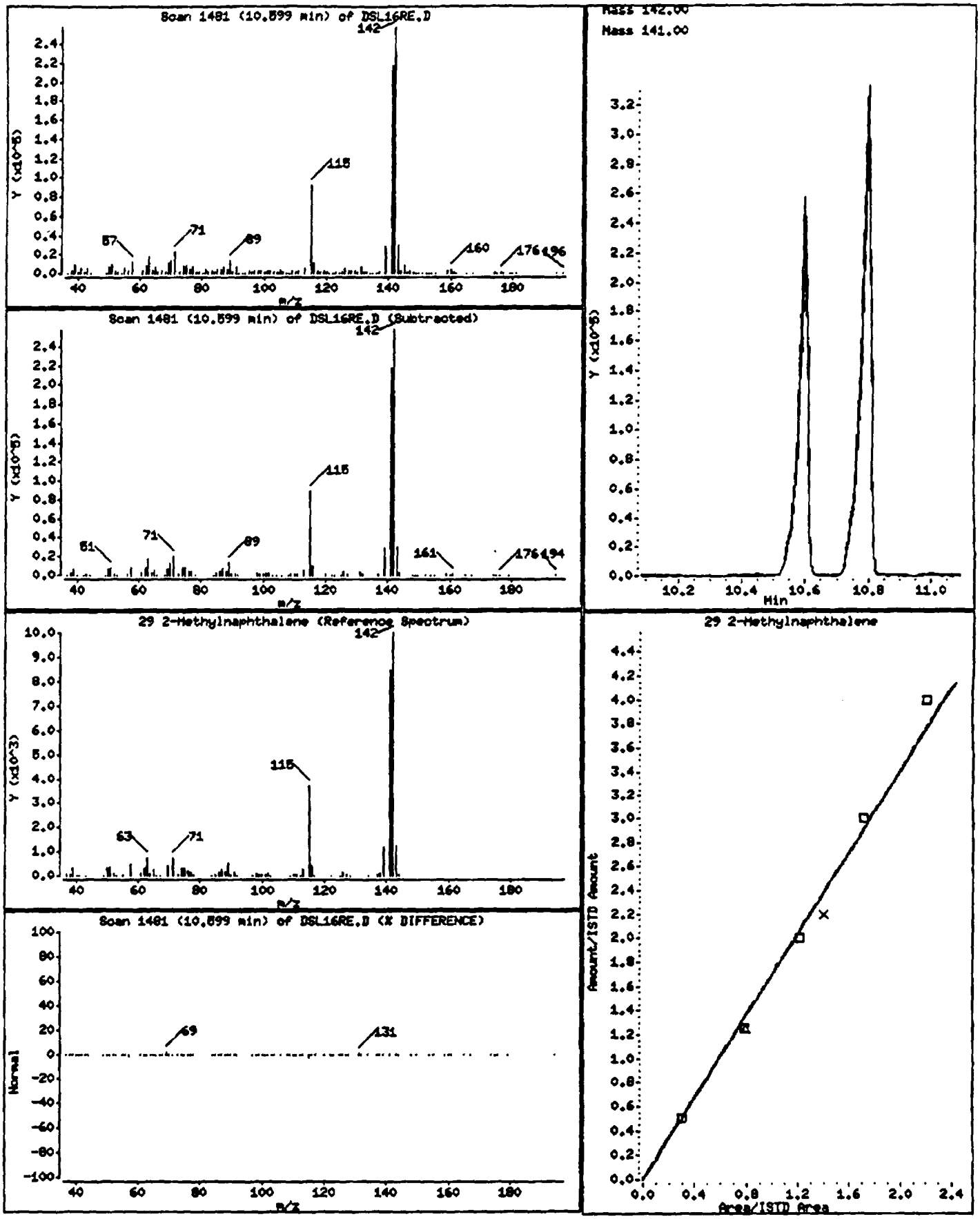




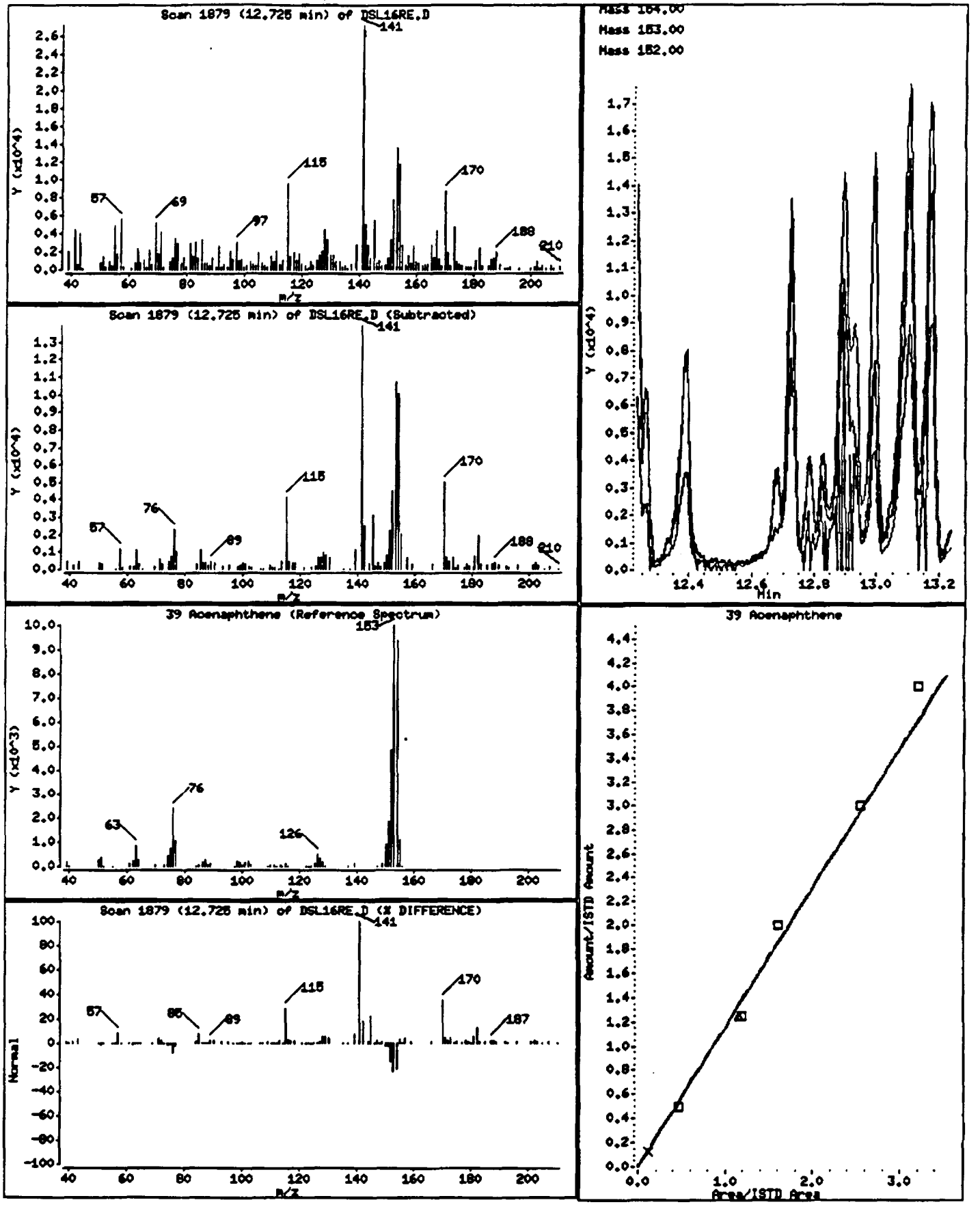
25 Naphthalene



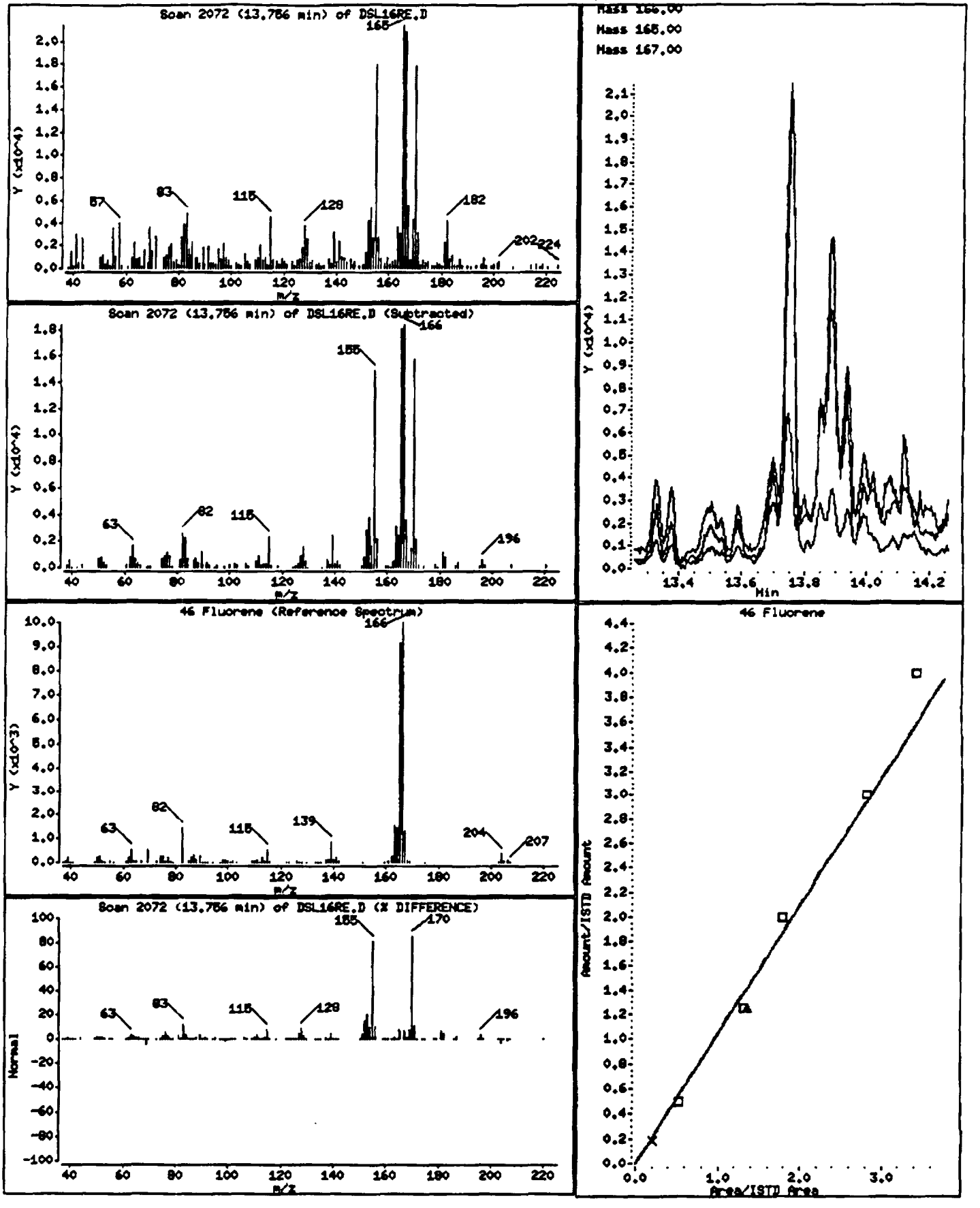
29 2-Methylnaphthalene



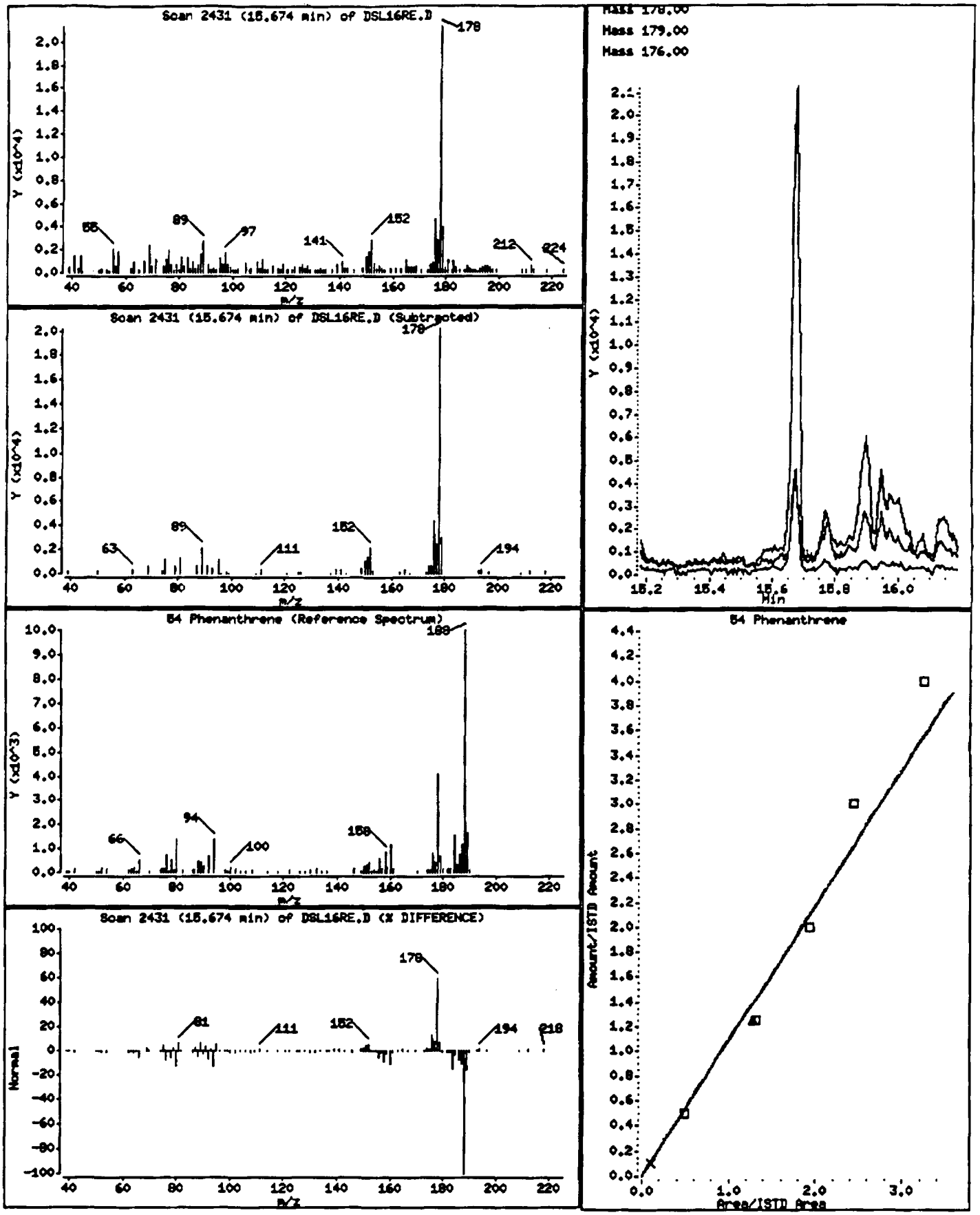
39 Acenaphthene



46 Fluorene


Scan 2072 (13.756 min) of DSL16RE.D
Y (x10^4)
m/z
Scan 2072 (13.756 min) of DSL16RE.D (Subtracted)
Mass 166.00
Mass 165.00
Mass 167.00
Min
46 Fluorene (Reference Spectrum)
Y (x10^3)
Scan 2072 (13.756 min) of DSL16RE.D (% DIFFERENCE)
Normal
46 Fluorene
Amount/ISTD Amount
Area/ISTD Area

54 Phenanthrene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DSL16RE.D
Lab Smp Id: DPJF52A4 Client Smp ID: DSL-16
Inj Date : 04-DEC-2000 19:19
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjf52a4,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 10
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.030	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.859	746672	40.000
* 2 Naphthalene-d8	9.194	1526287	40.000
* 3 Acenaphthene-d10	12.666	970220	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
4.375	2340598	125.388283	21000	99		0	1

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aromatic					CAS #:		
4.744	417458	22.3636617	3700	99		0	1
Unknown Aromatic					CAS #:		
6.085	1426757	76.4328648	13000	99		0	1
Unknown Aromatic					CAS #:		
6.122	674675	36.1430454	6000	99		0	1
Unknown Aromatic					CAS #:		
6.202	1523058	81.5918101	14000	99		0	1
Unknown Aromatic					CAS #:		
6.341	694005	37.1785737	6200	99		0	1
Unknown Aromatic					CAS #:		
6.566	1761226	94.3507189	16000	99		0	1
Unknown Aromatic					CAS #:		
6.966	966449	51.7736838	8600	99		0	1
Unknown Aromatic					CAS #:		
7.314	803715	43.0558532	7200	99		0	1
Unknown Aromatic					CAS #:		
7.442	1380547	73.9573467	12000	99		0	1
Unknown Aromatic					CAS #:		
7.736	428003	22.9285684	3800	99		0	1
Unknown Aromatic					CAS #:		
7.826	900024	48.2152270	8000	99		0	1
Unknown Aromatic					CAS #:		
8.254	726541	19.0407440	3200	99		0	2
Unknown Aromatic					CAS #:		
8.307	900390	23.5968727	3900	99		0	2
Unknown					CAS #:		
8.467	427294	11.1982609	1900	0		0	2
Unknown Aromatic					CAS #:		
8.719	1166231	30.5638717	5100	99		0	2

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aromatic					CAS #:		
9.279	971298	25.4551863	4200	99		0	2
Unknown Hydrocarbon					CAS #:		
9.386	411555	10.7857828	1800	99		0	2
Unknown Aromatic					CAS #:		
9.760	515916	13.5208123	2200	99		0	2
Unknown Aromatic					CAS #:		
9.979	657376	17.2281098	2900	99		0	2
Unknown Aromatic					CAS #:		
10.332	557480	14.6100963	2400	99		0	2
Unknown Hydrocarbon					CAS #:		
10.444	512414	13.4290340	2200	99		0	2
Unknown PAH					CAS #:		
10.802	2513228	65.8651486	11000	99		0	2
Unknown					CAS #:		
11.010	625357	25.7820700	4300	0		0	3
Unknown PAH					CAS #:		
11.715	558714	23.0345283	3800	99		0	3
Unknown PAH					CAS #:		
11.849	2290126	94.4167715	16000	99		0	3
Unknown PAH					CAS #:		
12.015	2906543	119.830265	20000	99		0	3
Unknown PAH					CAS #:		
12.057	974234	40.1654882	6700	99		0	3
Unknown PAH					CAS #:		
12.228	787156	32.4526808	5400	99		0	3
Unknown PAH					CAS #:		
12.896	632415	26.0730556	4300	99		0	3
Unknown PAH					CAS #:		
13.104	694557	28.6350312	4800	99		0	3

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown PAH				CAS #:			
13.174	676009	27.8703387	4600	99		0	3
Unknown PAH				CAS #:			
13.505	438590	18.0820845	3000	99		0	3

Data File: \\qcanoh08\dd\chem\MSS\a4hp9.i\01204a.b\DSL16RE.D

Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

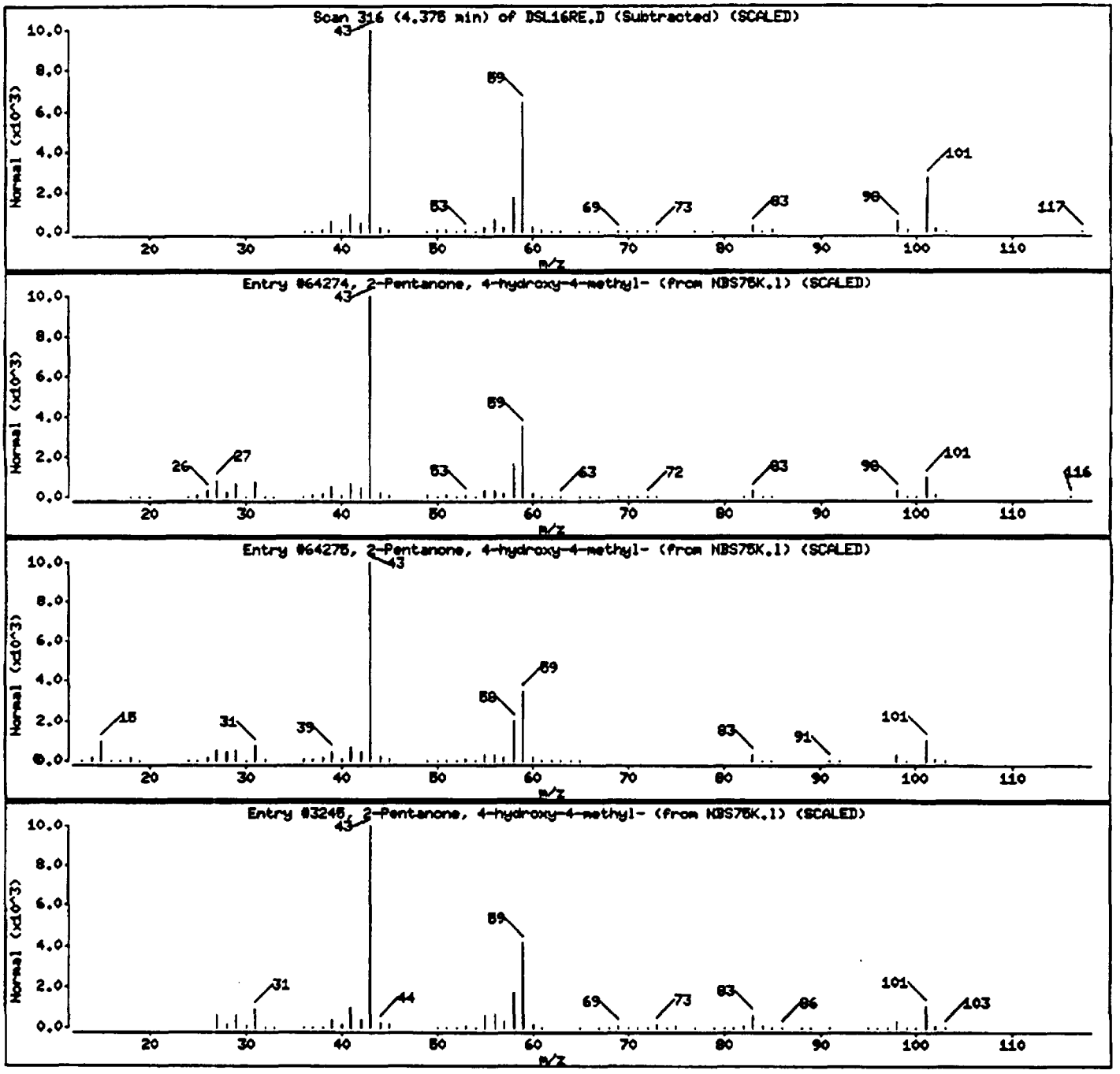
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	40	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	33	C6H12O2	116



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf82a4,01204a.b,olp31,1-olp90.sub

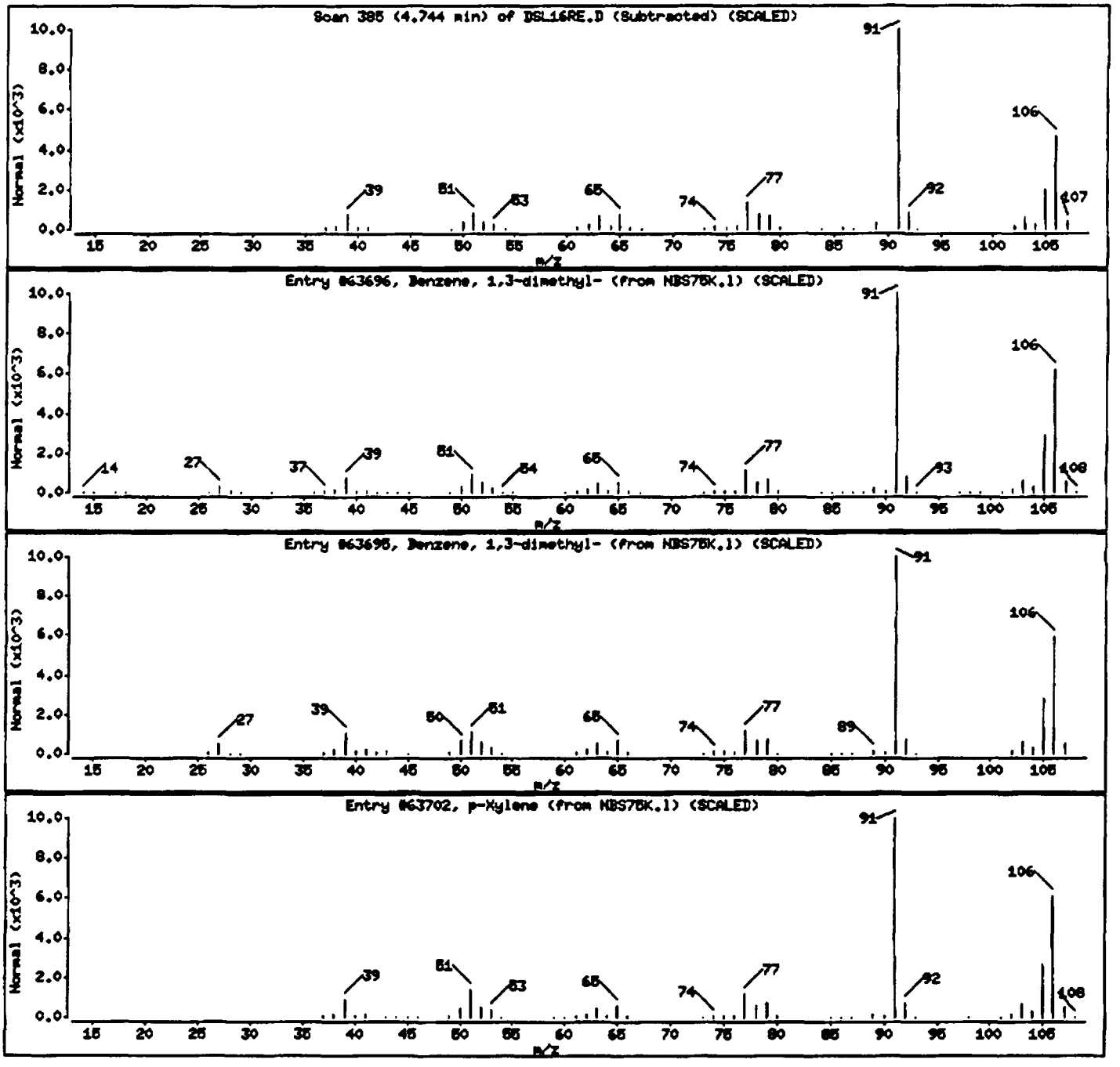
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.1	63696	95	C8H10	106
Benzene, 1,3-dimethyl-	108-38-3	NBS75K.1	63695	95	C8H10	106
p-Xylene	106-42-3	NBS75K.1	63702	95	C8H10	106



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: s4hp9.i

Sample Info: dpjf82s4,01204a.b,olp31,1-olp90.sub

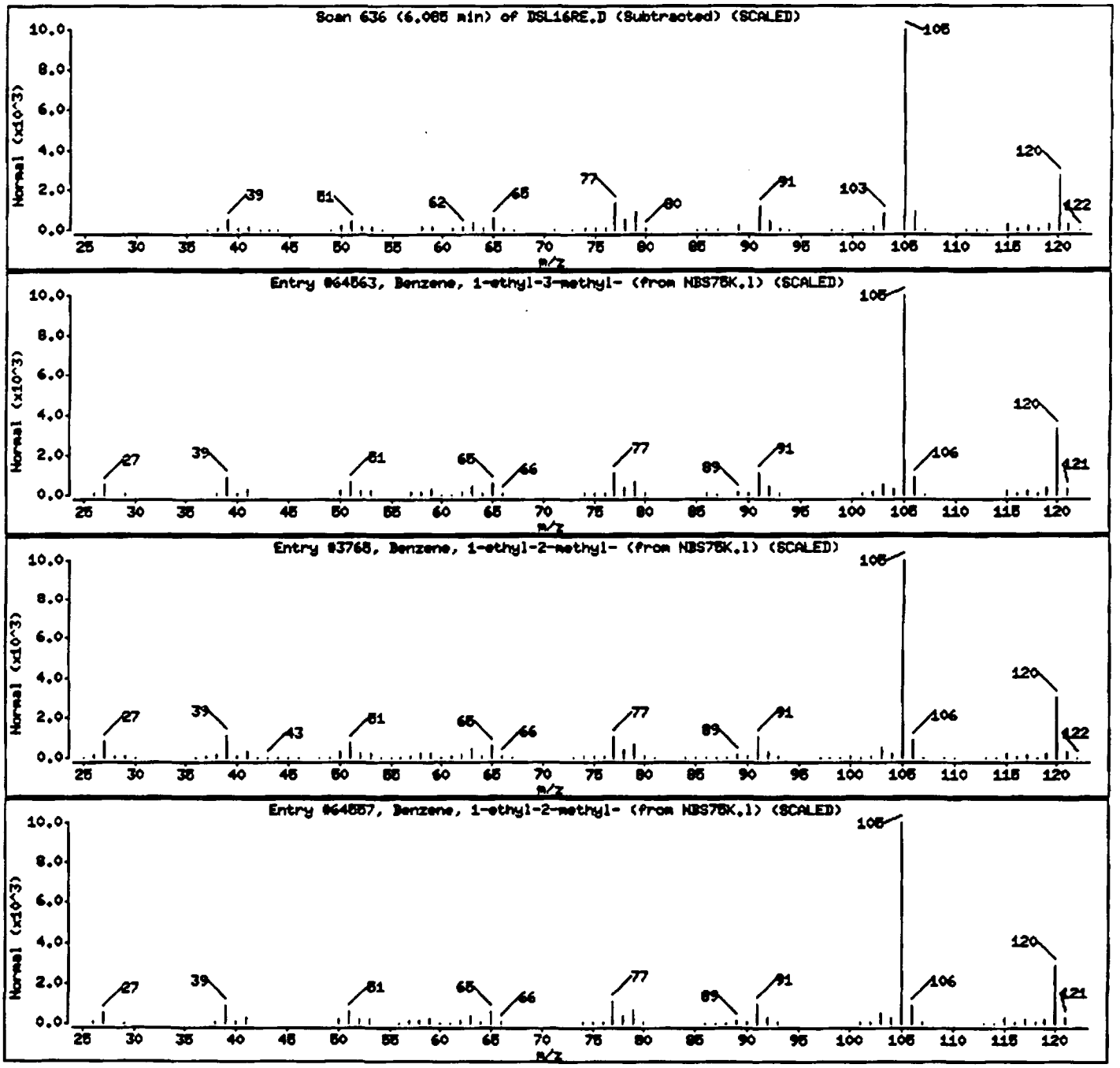
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	94	C9H12	120



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Date : 04-DEC-2000 19:19

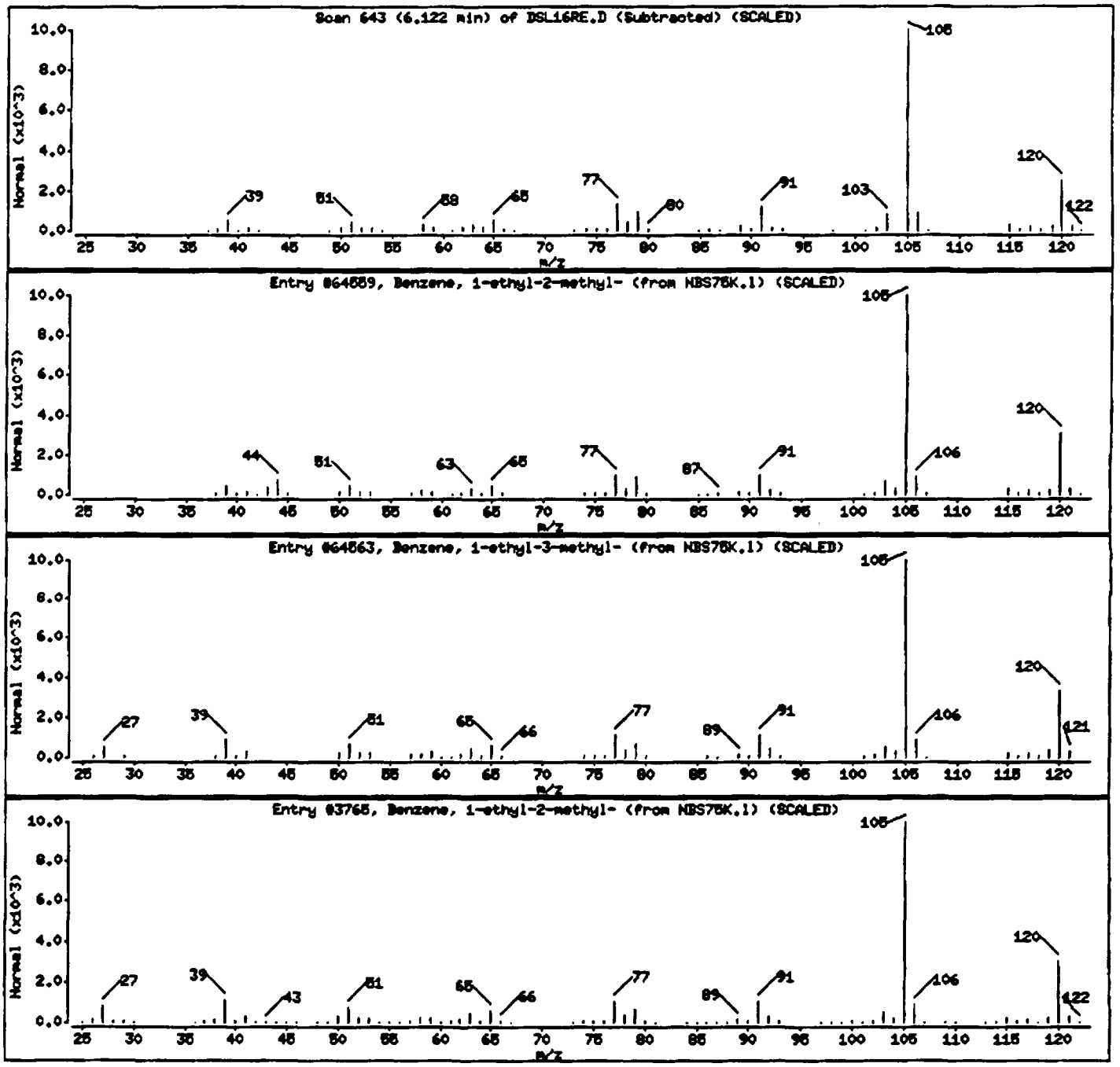
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,i-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	91	C9H12	120



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Date : 04-DEC-2000 19:19

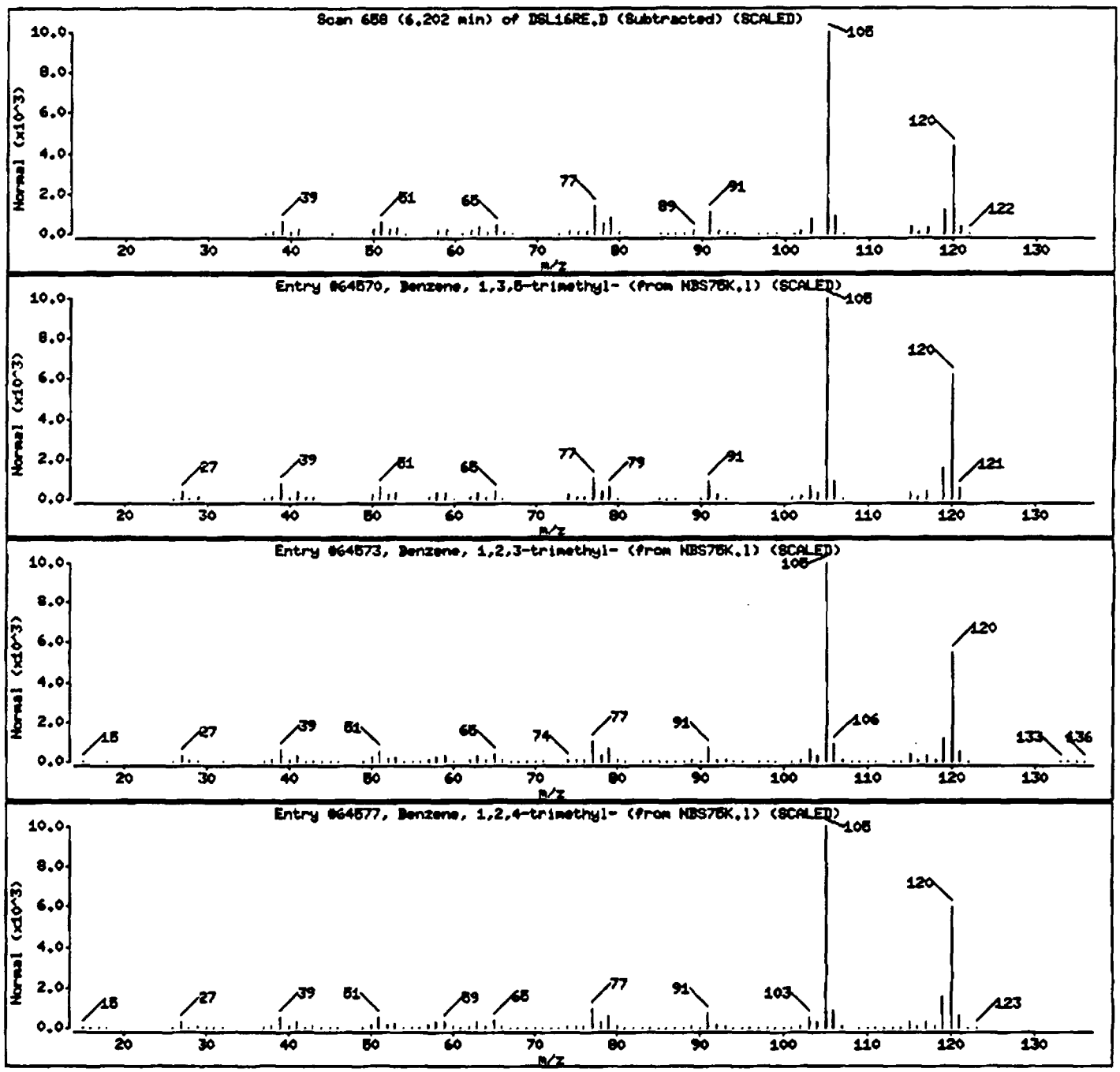
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	96	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	94	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64577	94	C9H12	120



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Date : 04-DEC-2000 19:19

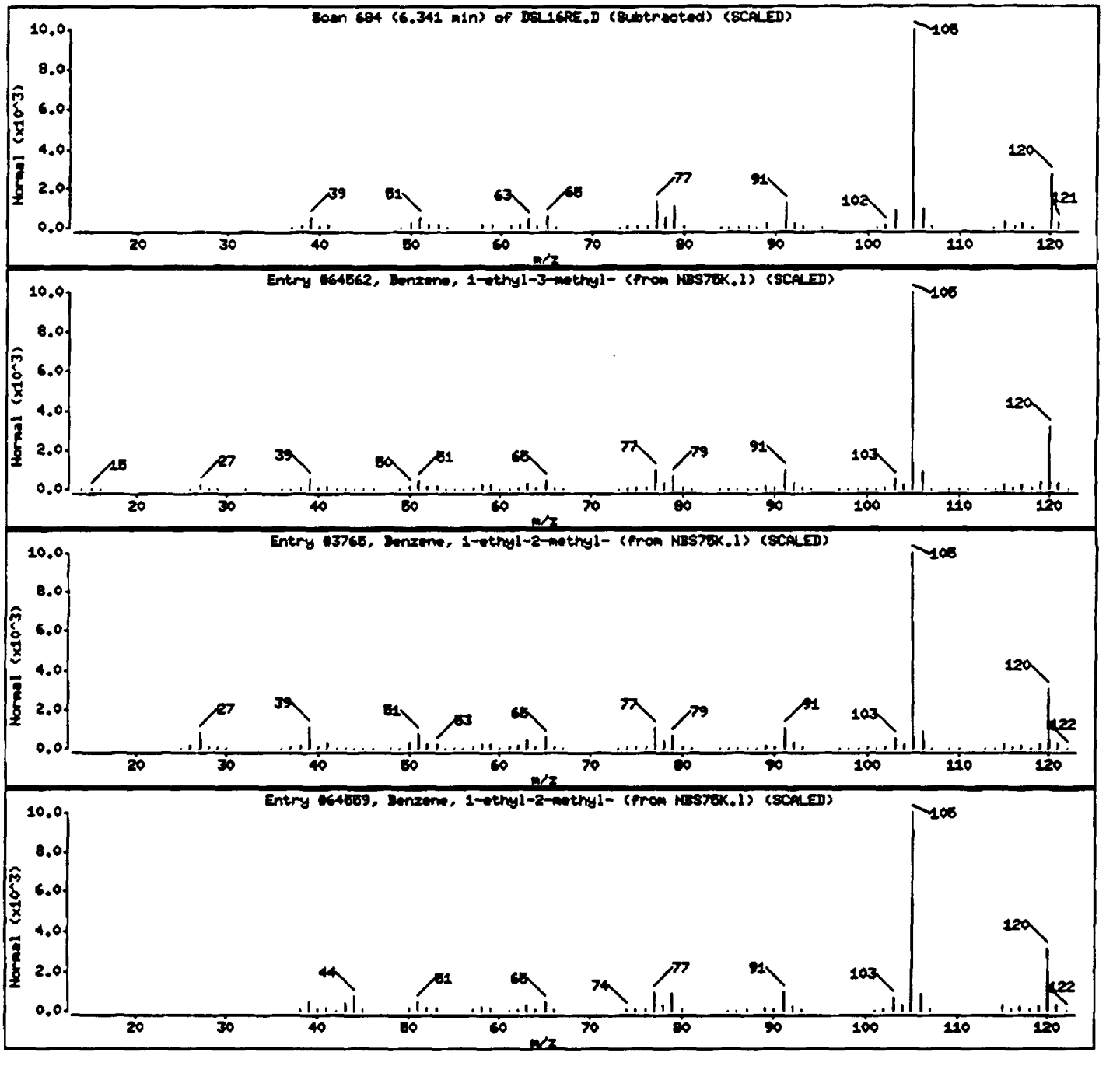
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf82a4,01204a.b,olp31,i-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64562	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	91	C9H12	120



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Date : 04-DEC-2000 19:19

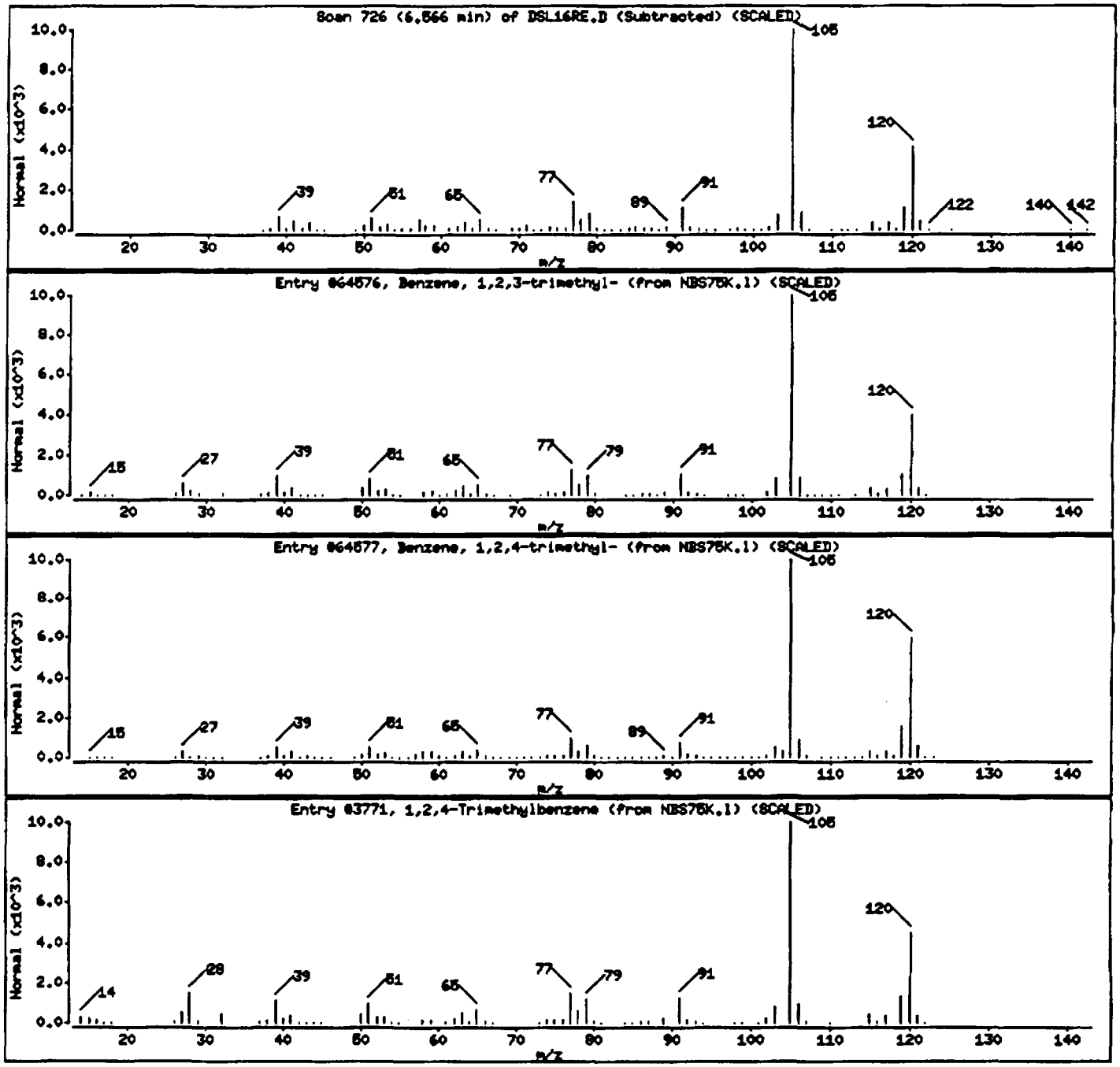
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90,sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64576	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64577	95	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	95	C9H12	120



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Date : 04-DEC-2000 19:19

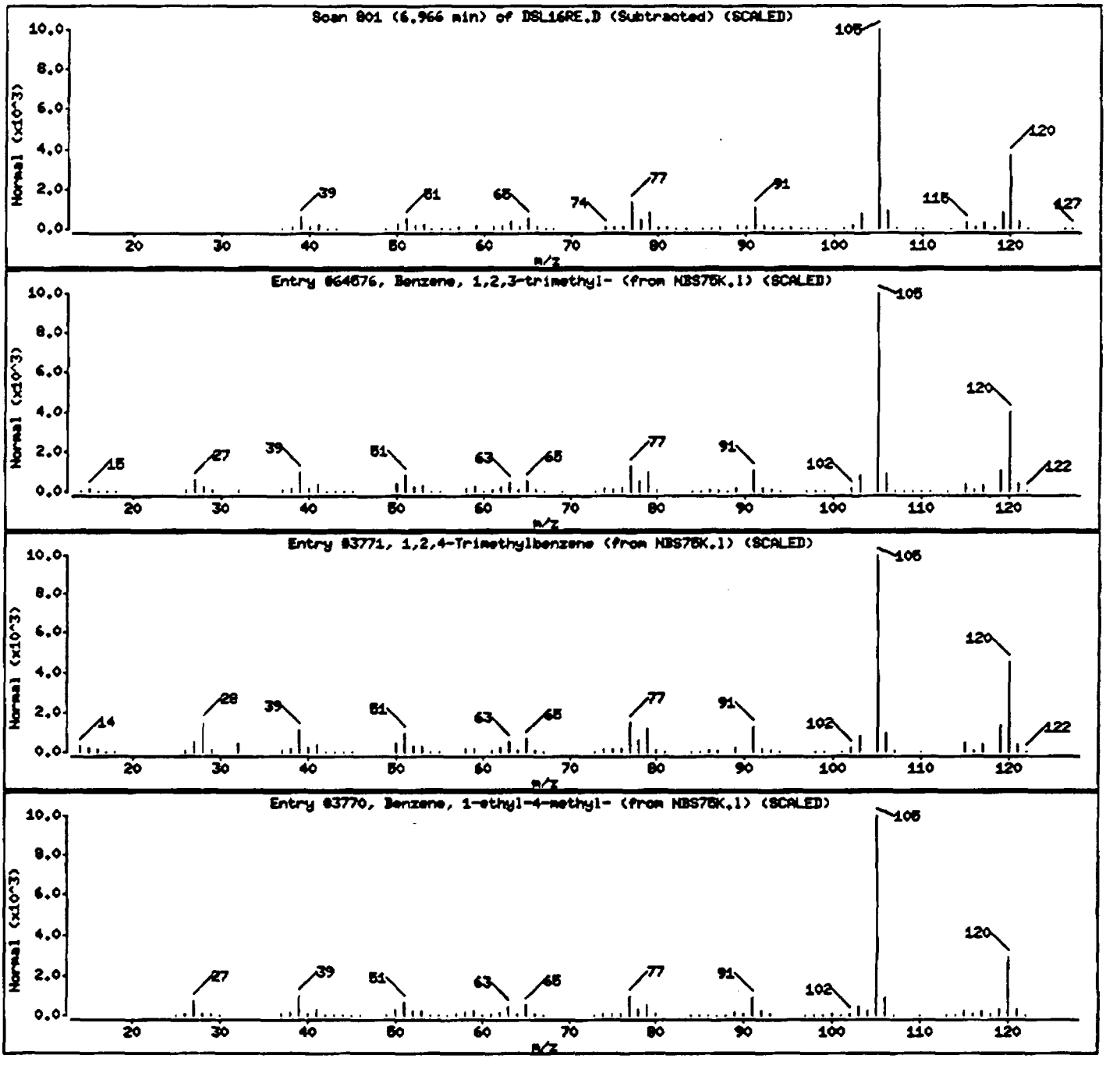
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf62a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64676	95	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	94	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	3770	91	C9H12	120



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Date : 04-DEC-2000 19:19

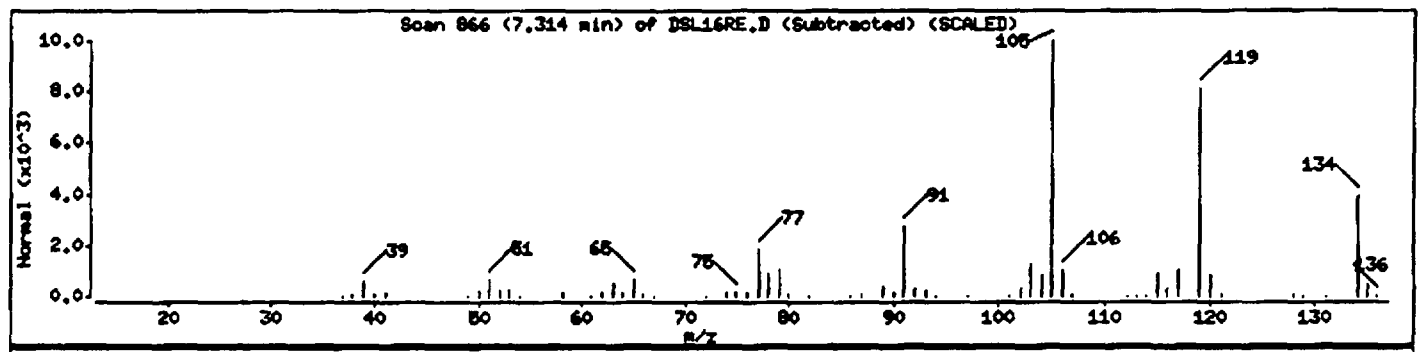
Client ID: DSL-16 Instrument: a4hp9.i

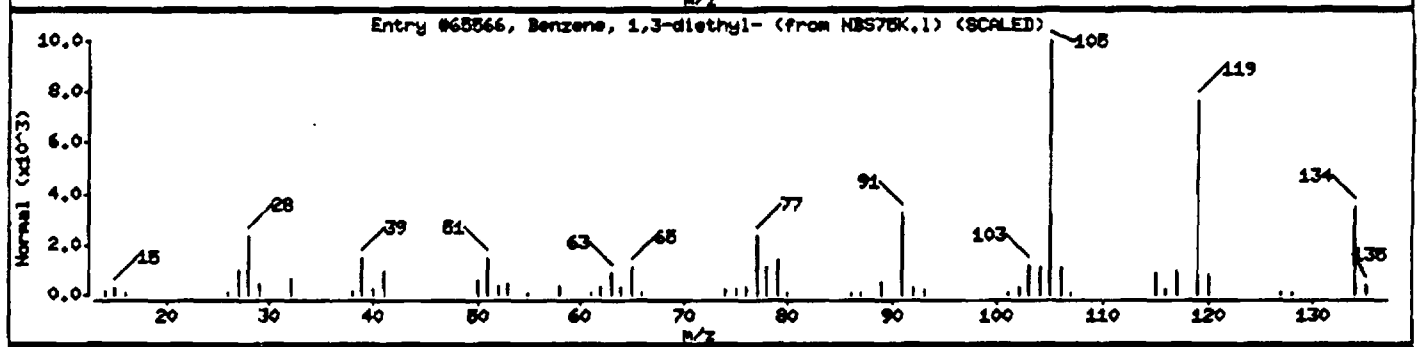
Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

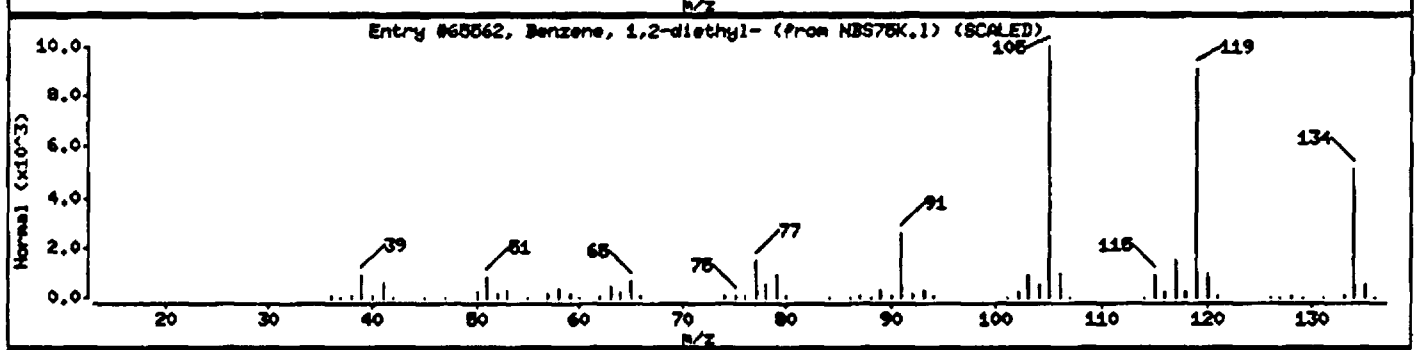
Volume Injected (uL): 2.0 Operator: 001574

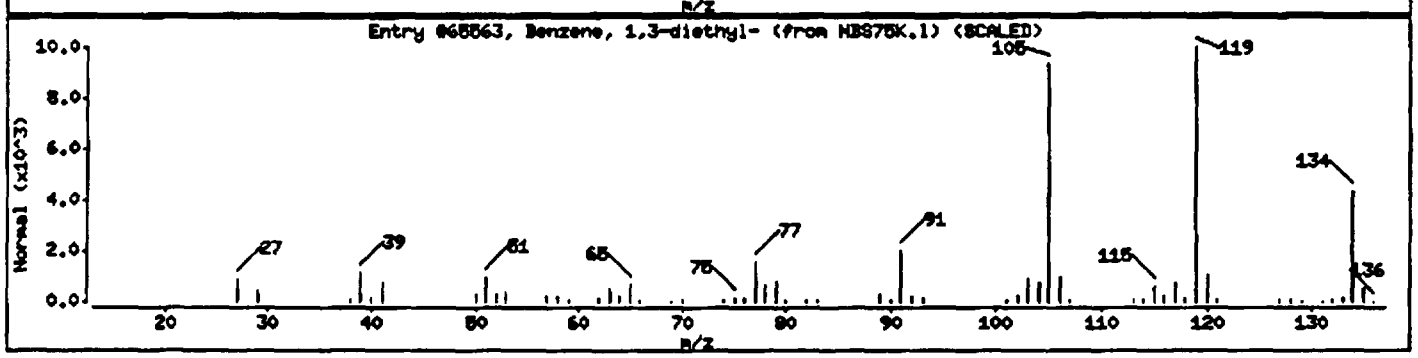
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65566	95	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	95	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65563	94	C10H14	134









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Date : 04-DEC-2000 19:19

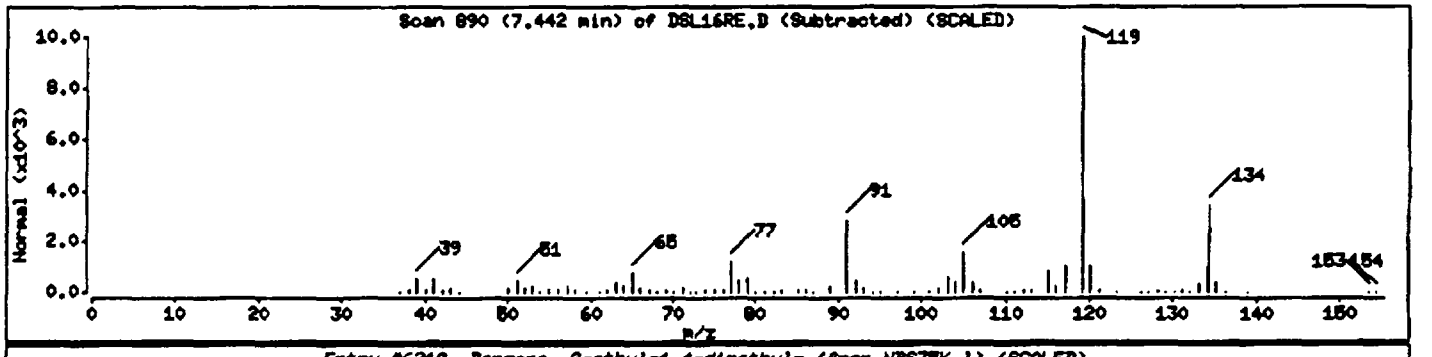
Client ID: DSL-16 Instrument: a4hp9.i

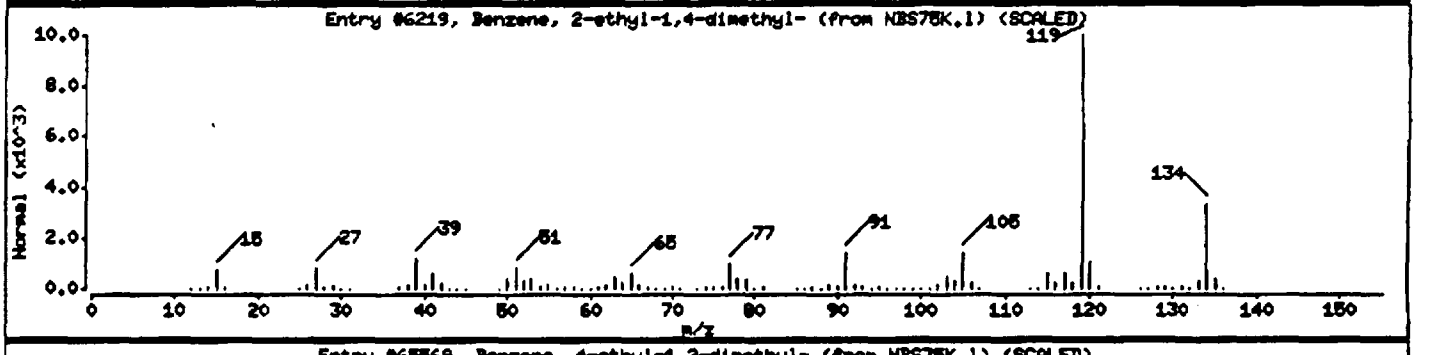
Sample Info: dpjf82a4,01204a.b,olp31,1-olp90.sub

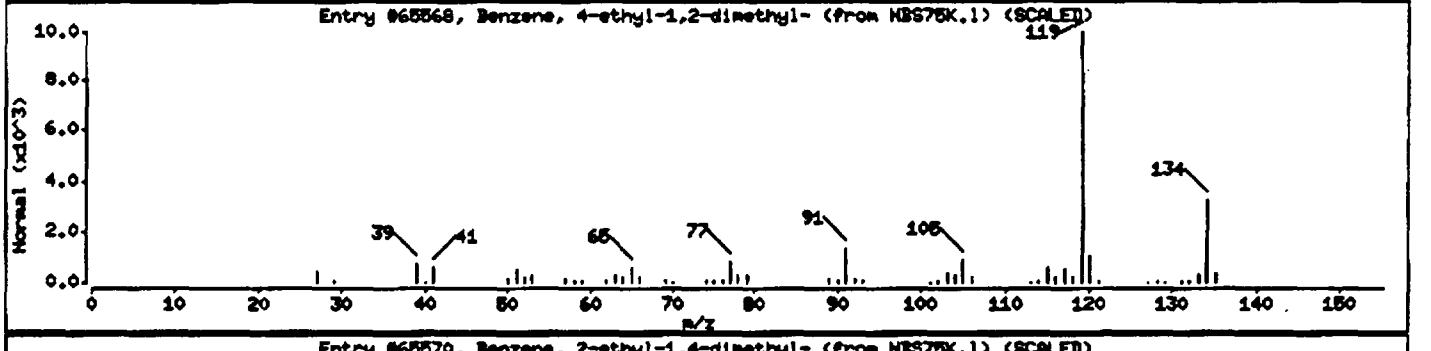
Volume Injected (uL): 2.0 Operator: 001574

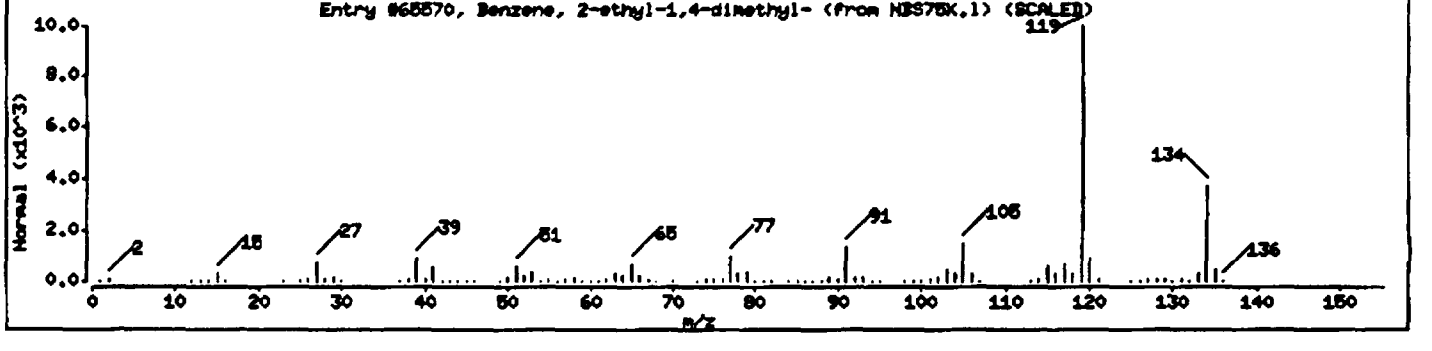
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	6219	96	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65568	96	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	65570	94	C10H14	134









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Date : 04-DEC-2000 19:19

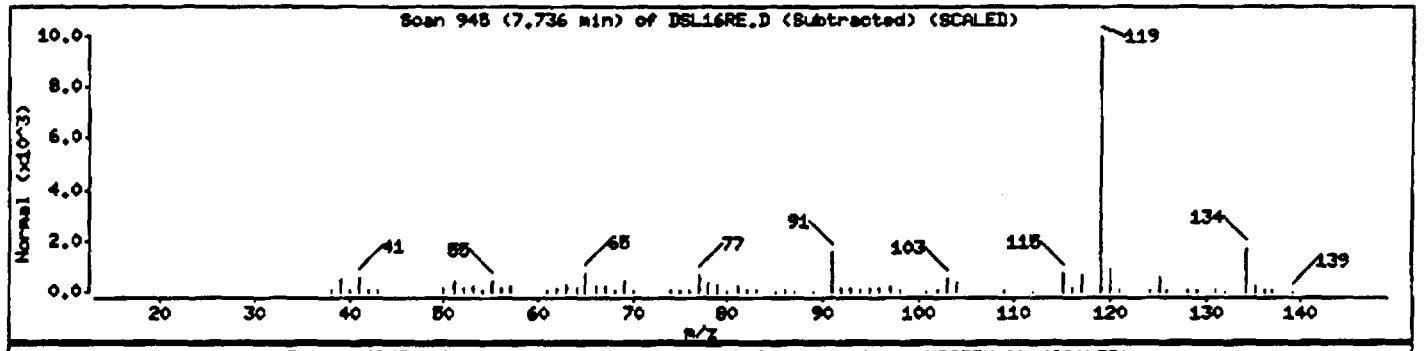
Client ID: DSL-16 Instrument: a4hp9.i

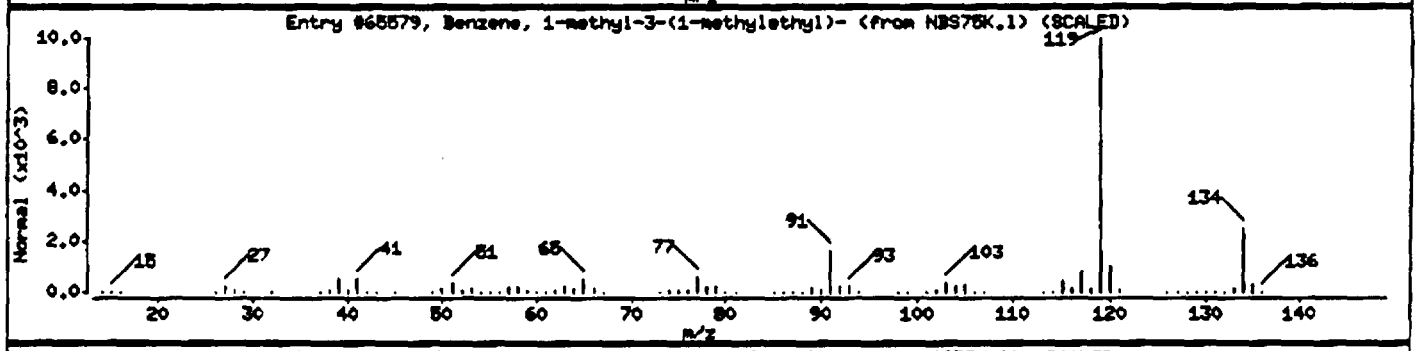
Sample Info: dpjf52a4,01204a.b,clp31,1-clp90.sub

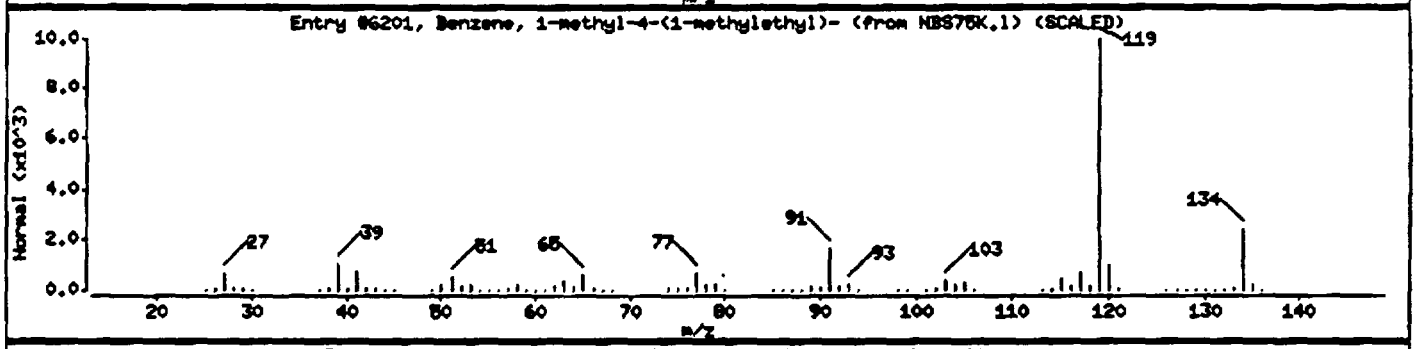
Volume Injected (uL): 2.0 Operator: 001574

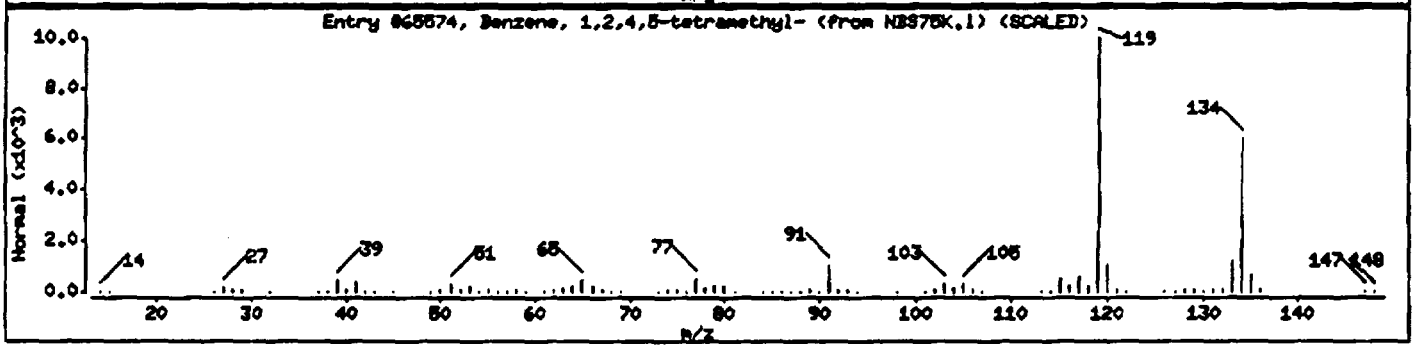
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	91	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	6201	91	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65574	91	C10H14	134









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Date : 04-DEC-2000 19:19

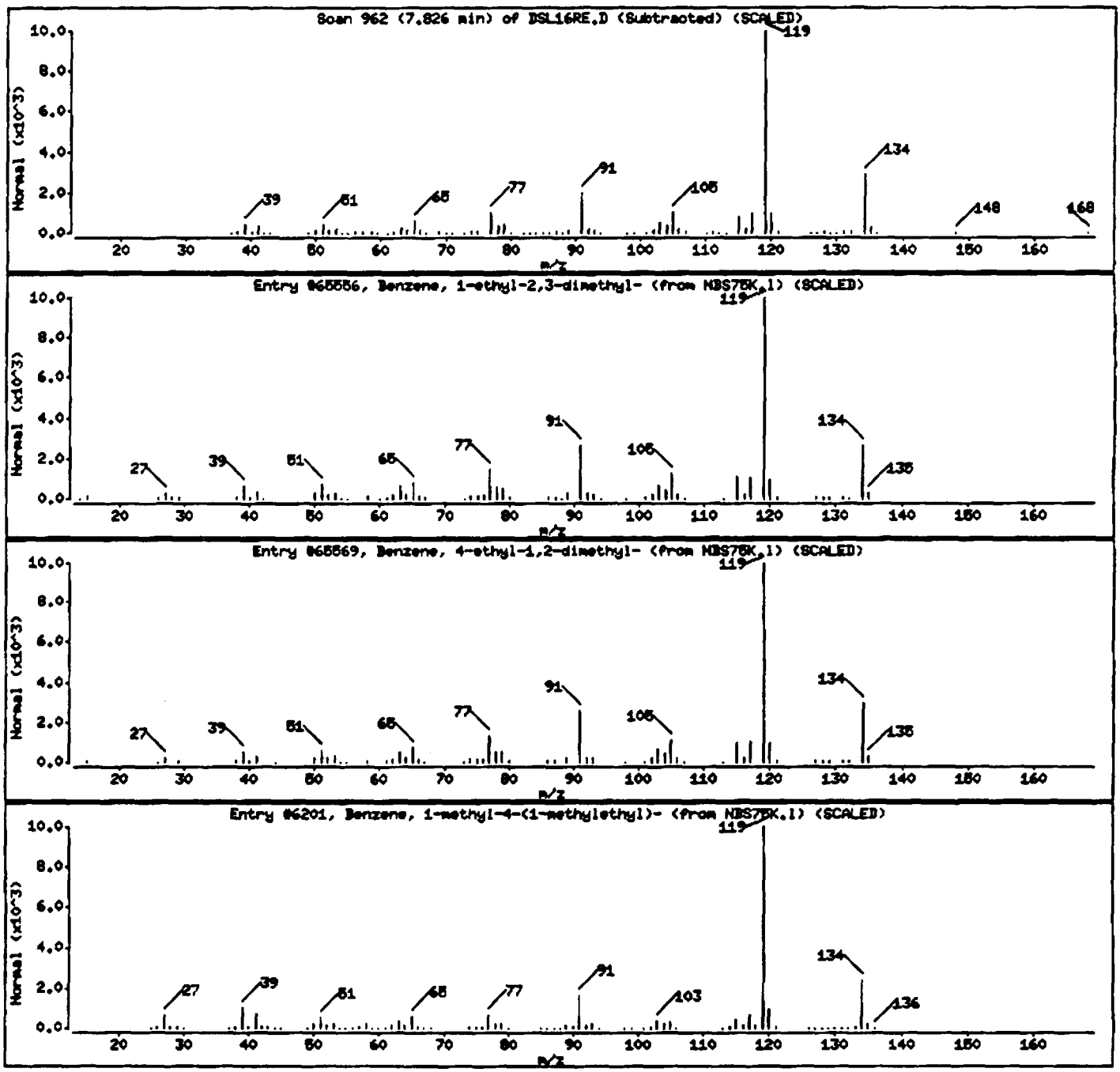
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65556	96	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	6201	94	C10H14	134



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Date : 04-DEC-2000 19:19

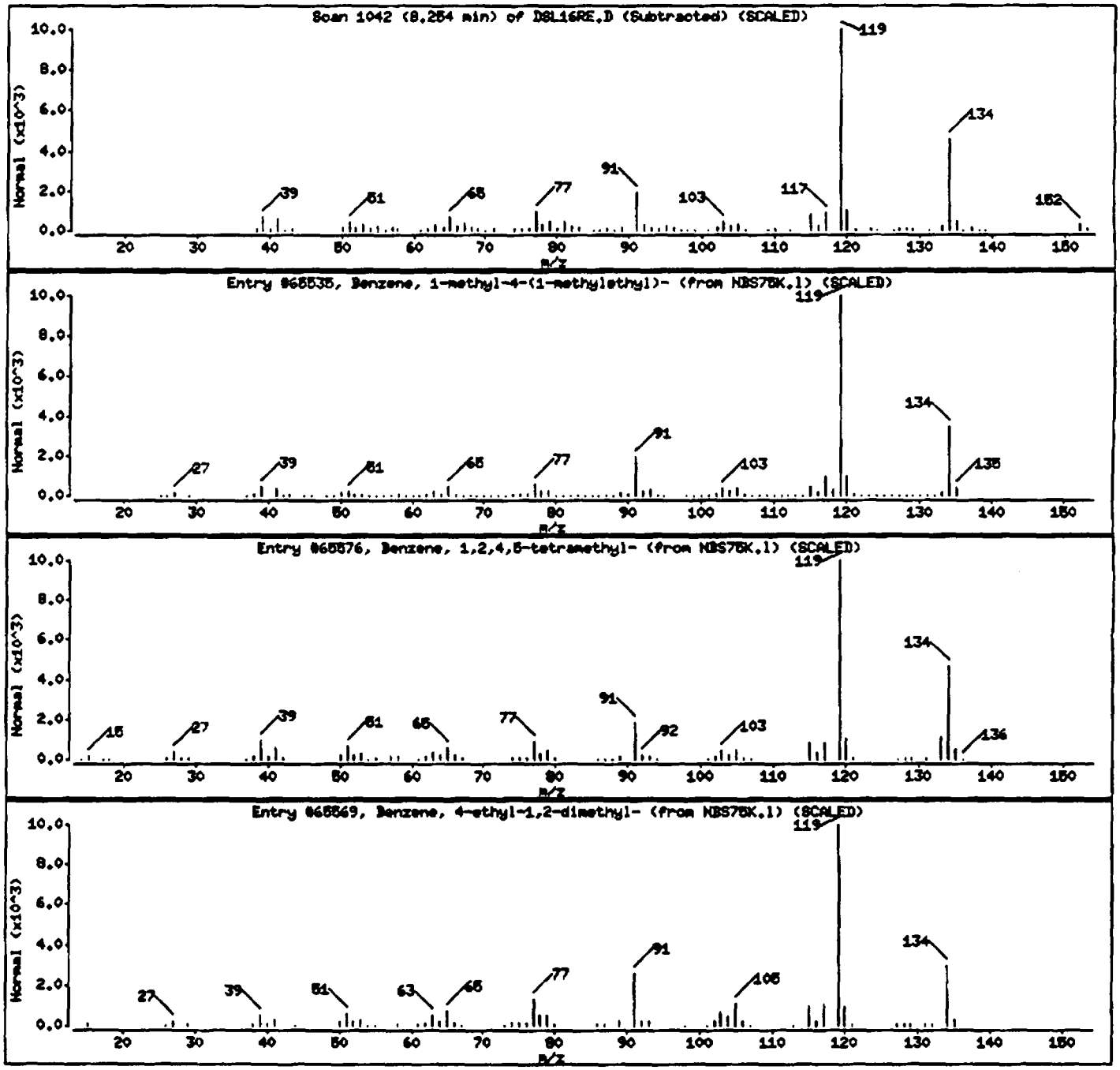
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	94	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	93	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	91	C10H14	134



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Date : 04-DEC-2000 19:19

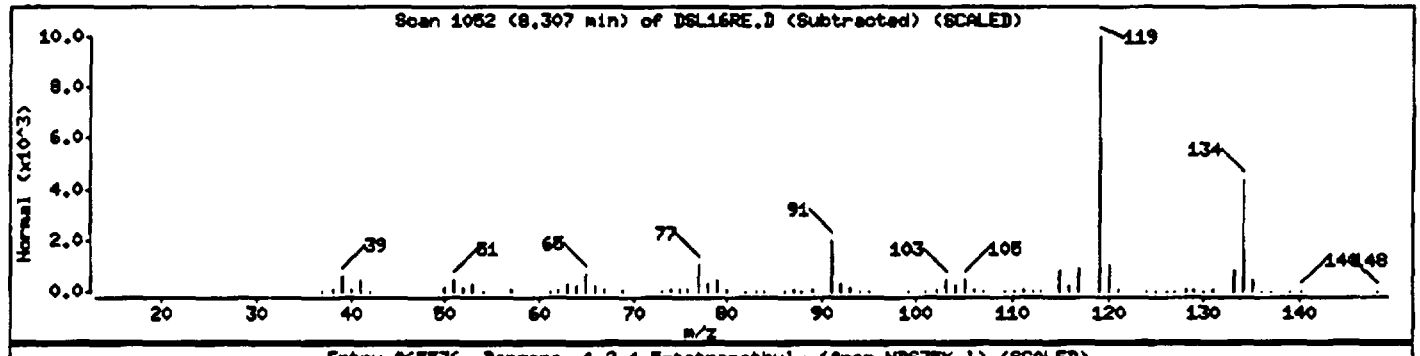
Client ID: DSL-16 Instrument: a4hp9.i

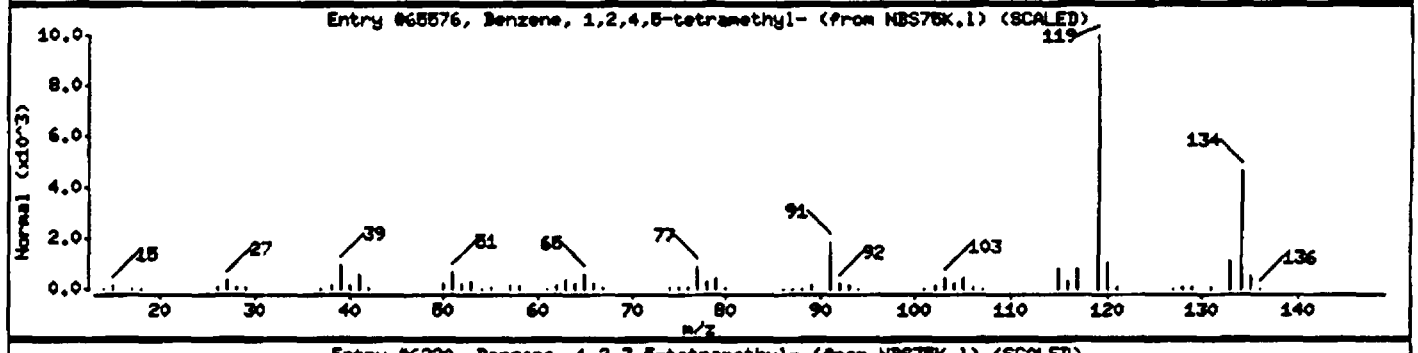
Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

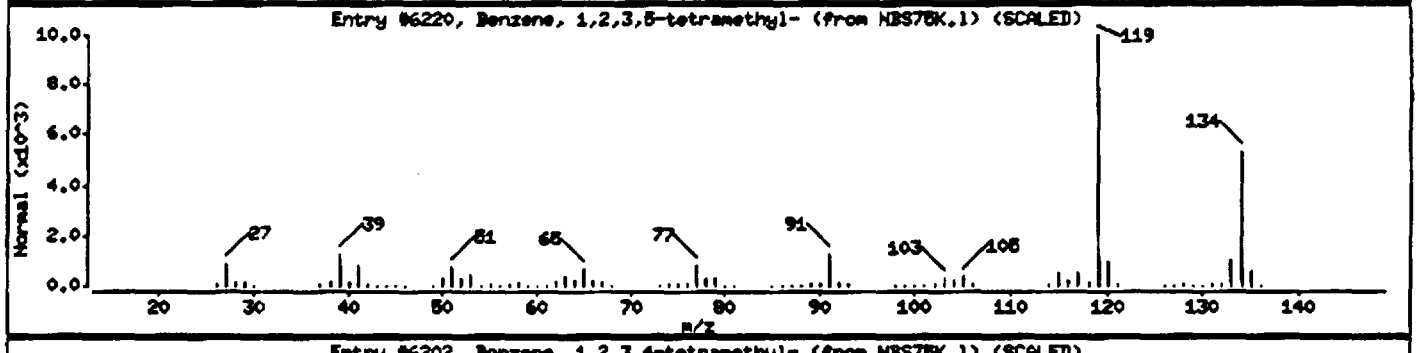
Volume Injected (uL): 2.0 Operator: 001574

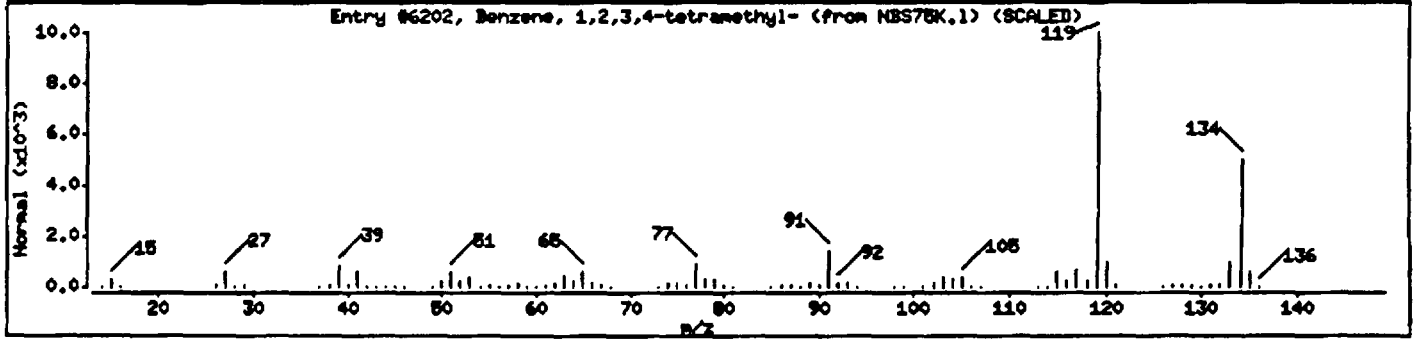
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	96	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	6220	95	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	6202	94	C10H14	134









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\DSL16RE.D

Date : 04-DEC-2000 19:19

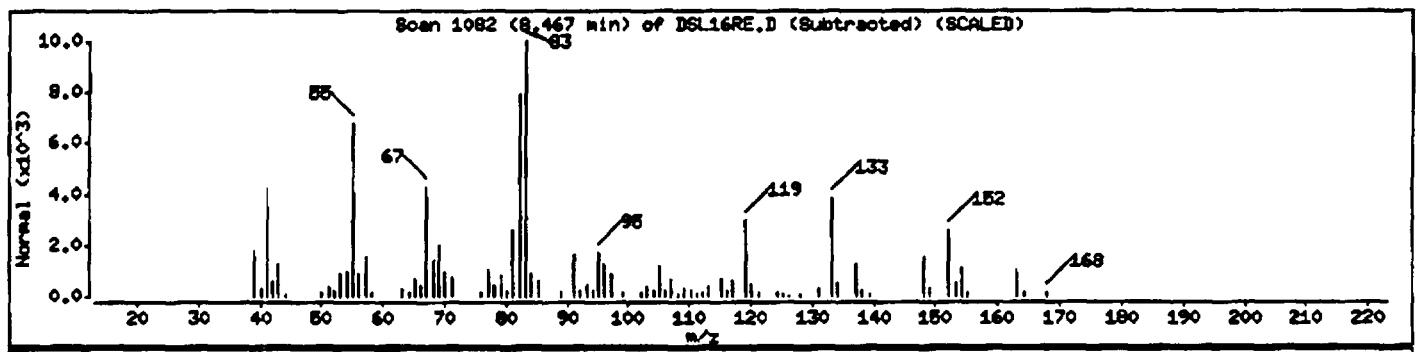
Client ID: DSL-16 Instrument: a4hp9.i

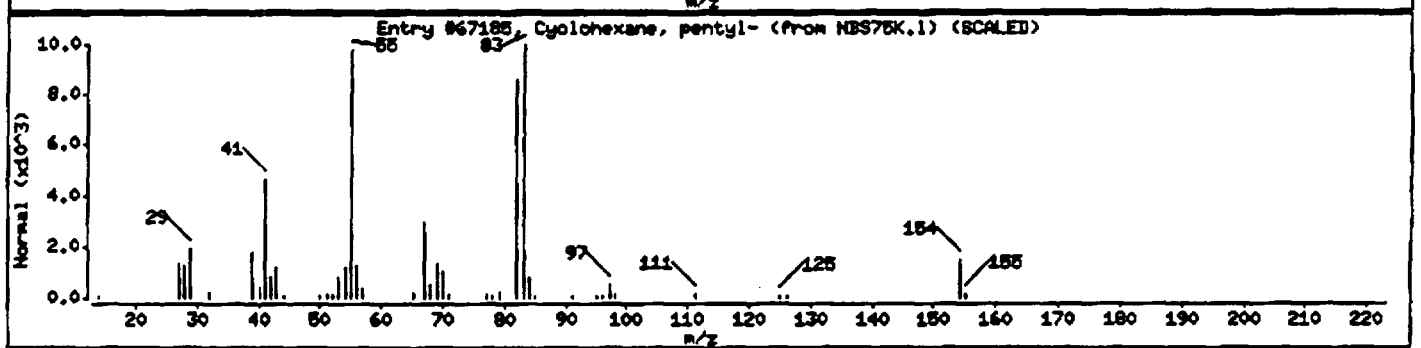
Sample Info: dpjf82a4,01204a.b,olp31,1-olp90,sub

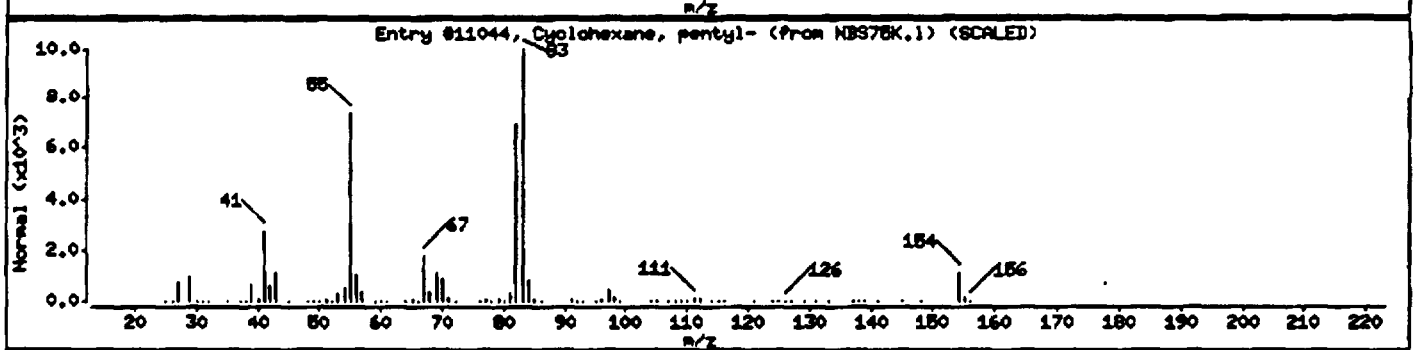
Volume Injected (uL): 2.0 Operator: 001874

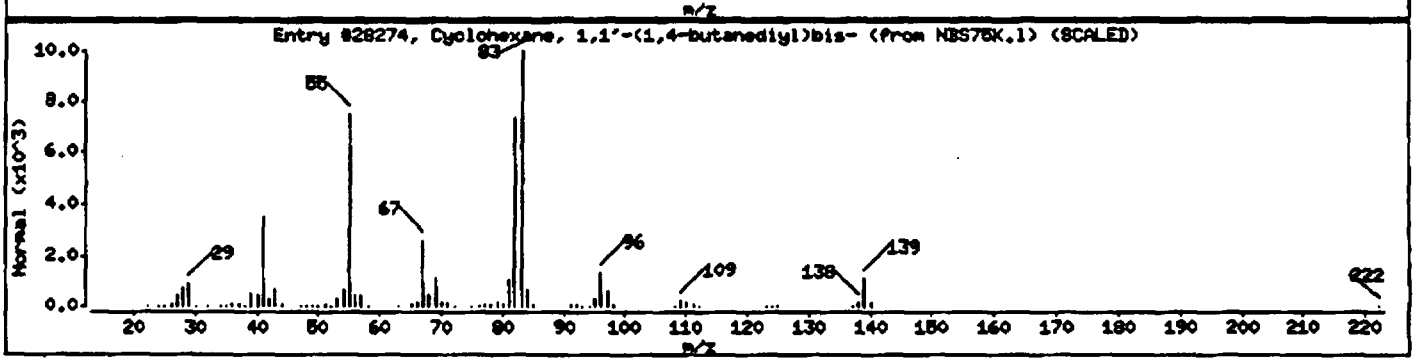
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, pentyl-	4292-92-6	NBS75K.l	67185	60	C11H22	154
Cyclohexane, pentyl-	4292-92-6	NBS75K.l	11044	49	C11H22	154
Cyclohexane, 1,1'-(1,4-butanediyl)bis-	6165-44-2	NBS75K.l	28274	43	C16H30	222









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\DSL16RE.D

Date : 04-DEC-2000 19:19

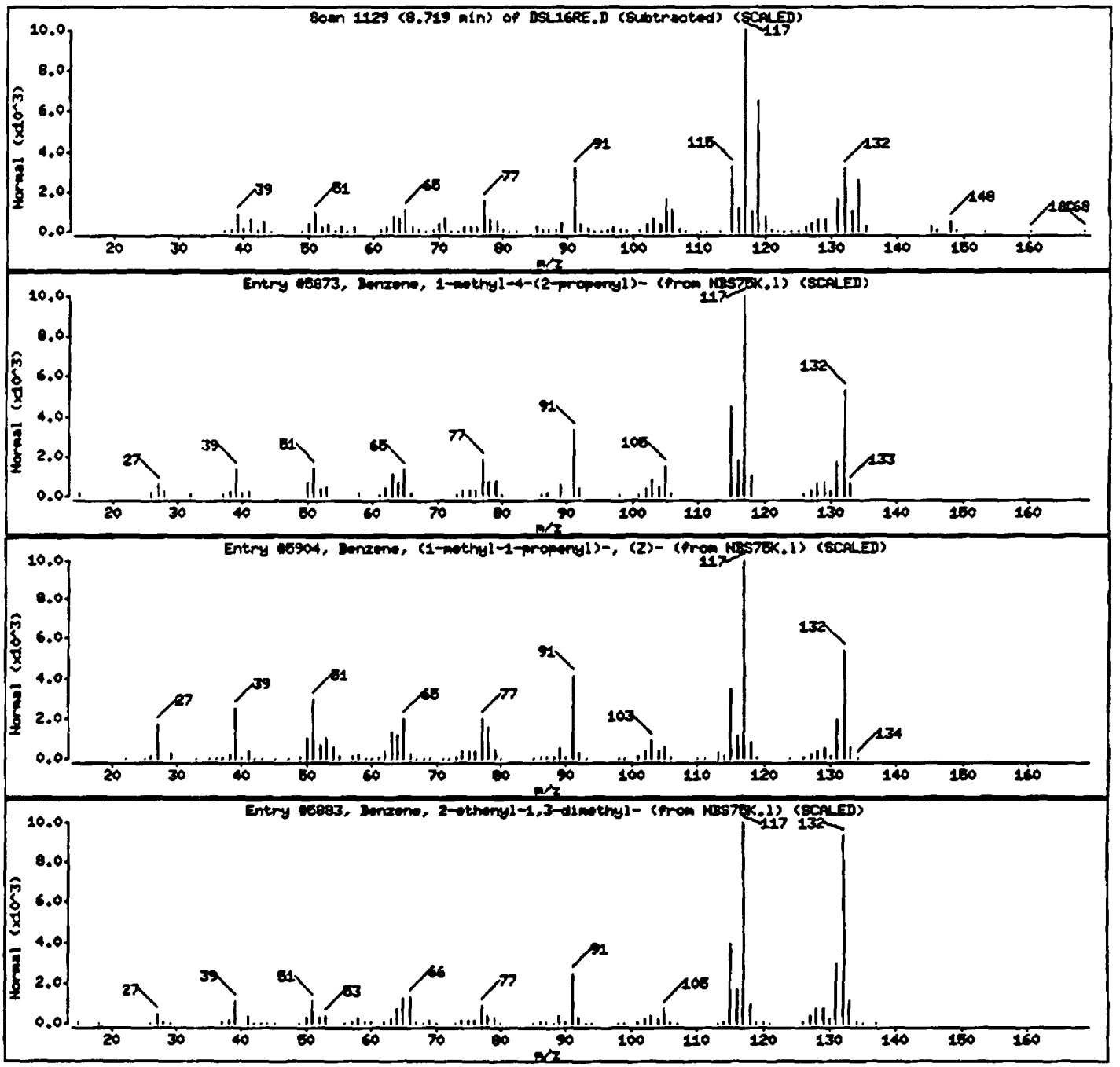
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90,sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	NBS75K.1	5873	96	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (Z)-	767-99-7	NBS75K.1	5904	64	C10H12	132
Benzene, 2-ethenyl-1,3-dimethyl-	2039-90-9	NBS75K.1	5883	64	C10H12	132



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Date : 04-DEC-2000 19:19

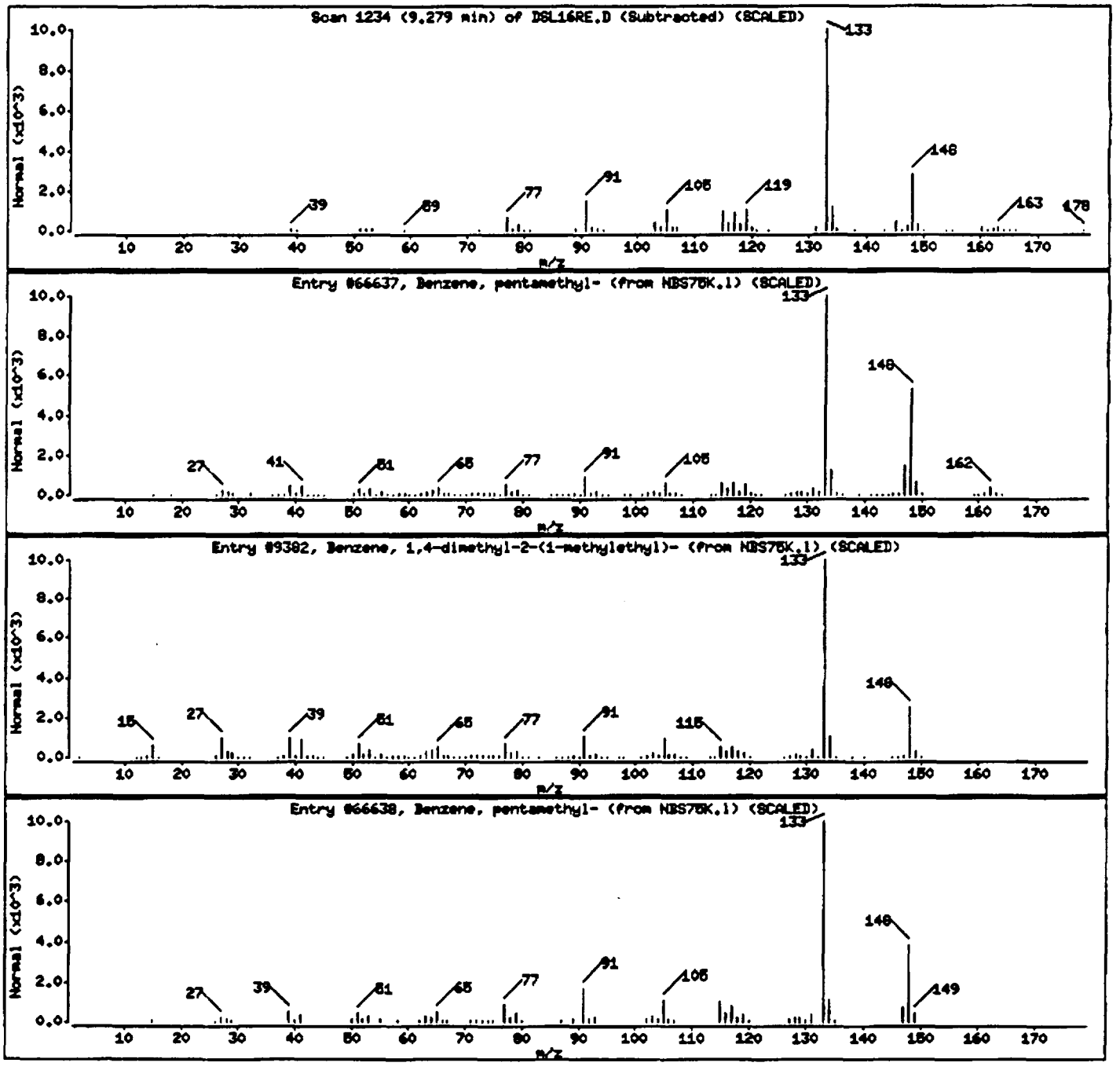
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	91	C11H16	148
Benzene, 1,4-dimethyl-2-(1-methylethyl)-	4132-72-3	NBS75K.l	9382	90	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	90	C11H16	148



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Date : 04-DEC-2000 19:19

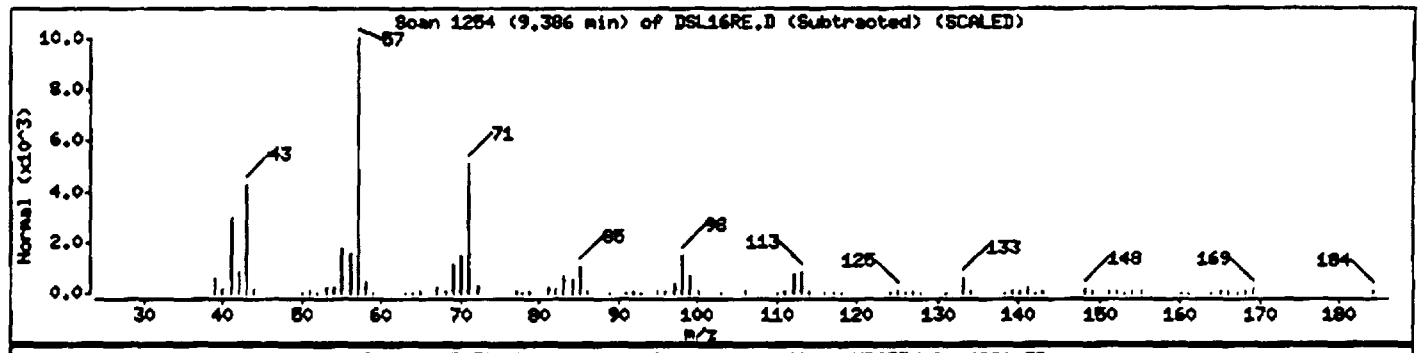
Client ID: DSL-16 Instrument: a4hp9.i

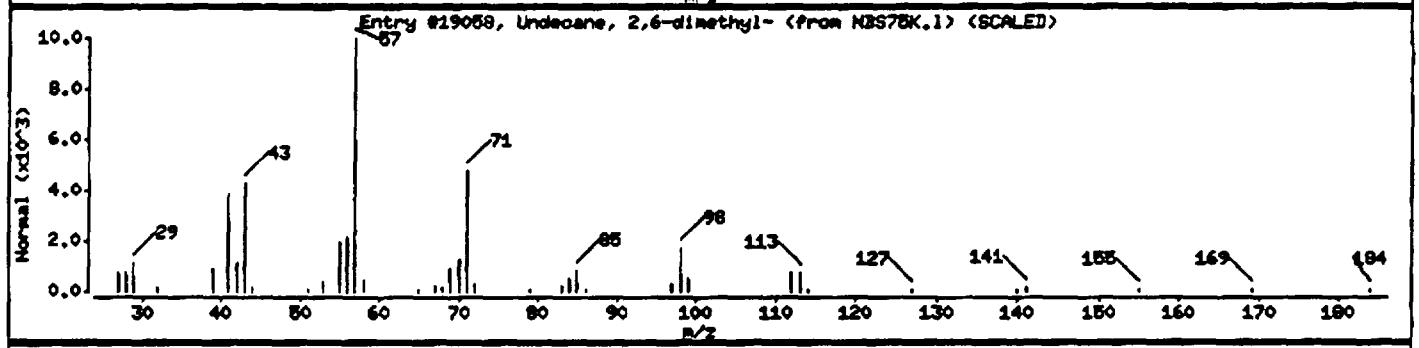
Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

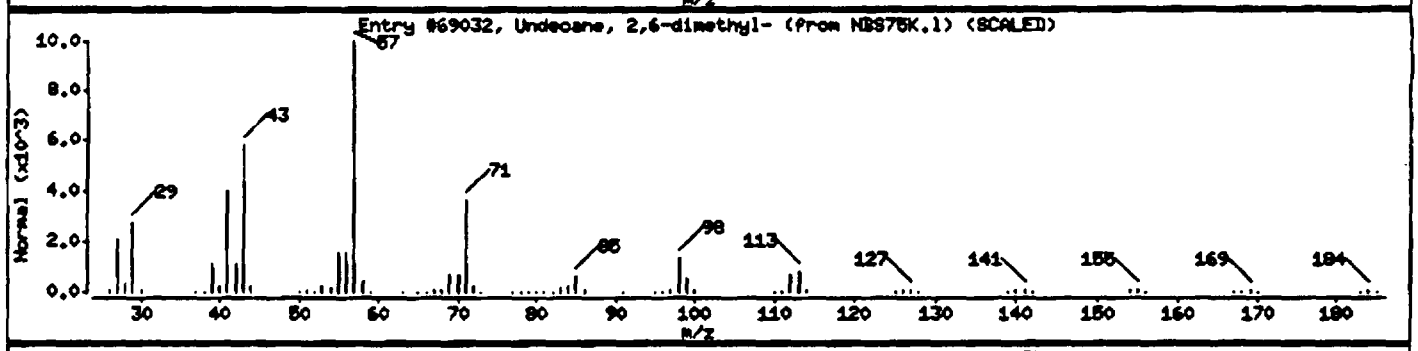
Volume Injected (uL): 2.0 Operator: 001574

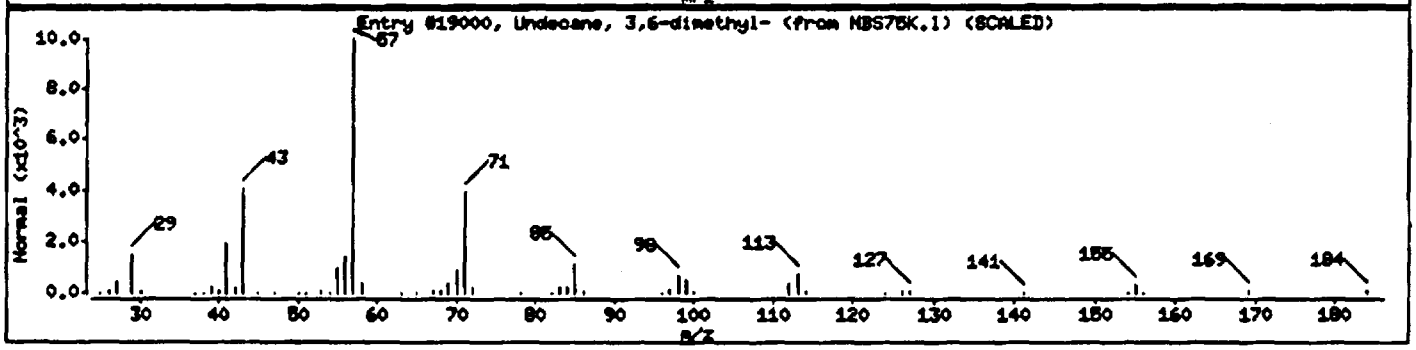
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Undecane, 2,6-dimethyl-	17301-23-4	NBS75K.l	19058	97	C13H28	184
Undecane, 2,6-dimethyl-	17301-23-4	NBS75K.l	69032	90	C13H28	184
Undecane, 3,6-dimethyl-	17301-28-9	NBS75K.l	19000	87	C13H28	184









Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DSL16RE.D

Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90,sub

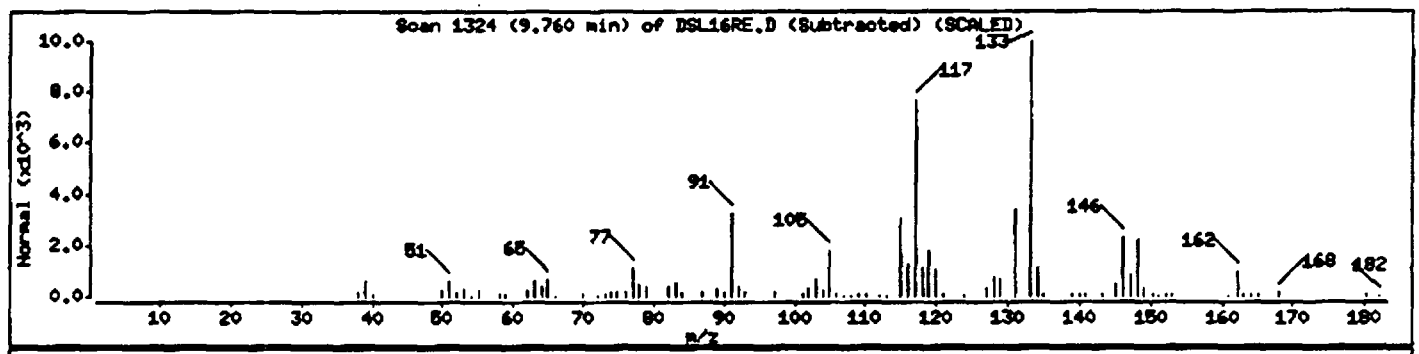
Volume Injected (uL): 2.0

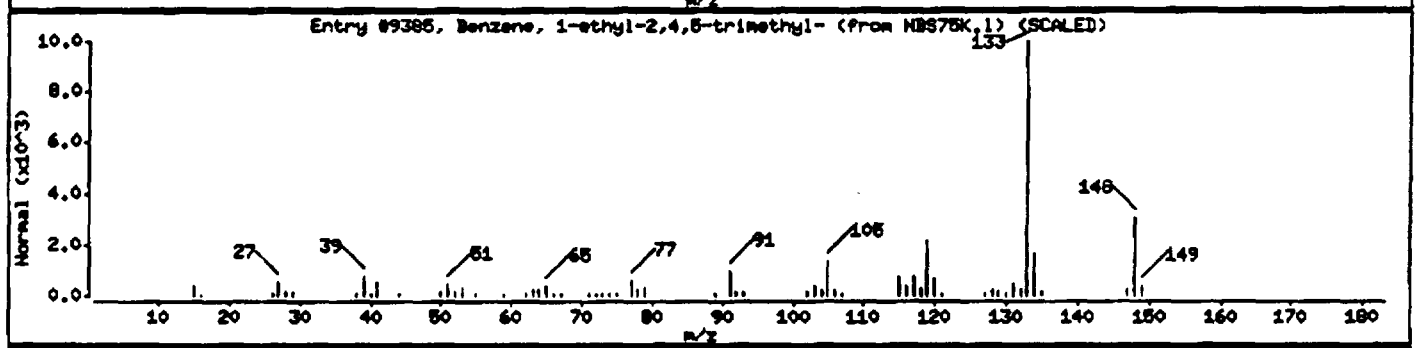
Operator: 001574

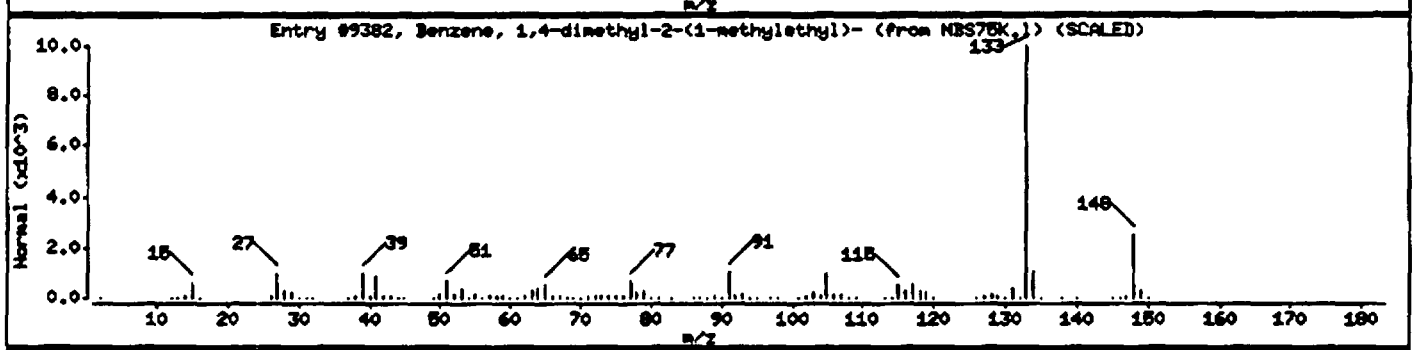
Column phase:

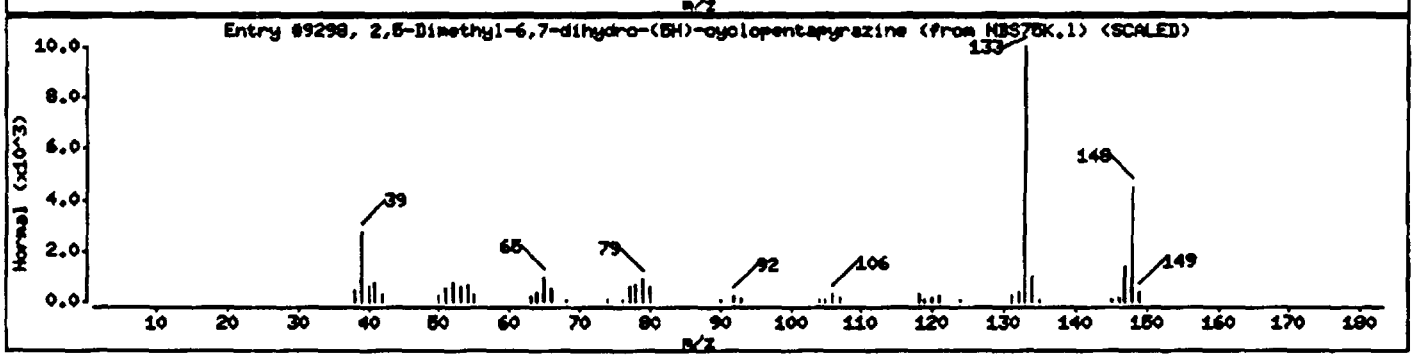
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NBS75K.l	9385	38	C11H16	148
Benzene, 1,4-dimethyl-2-(1-methylethyl)-	4132-72-3	NBS75K.l	9382	38	C11H16	148
2,5-Dimethyl-6,7-dihydro-(5H)-cyclopenta	0-00-0	NBS75K.l	9298	35	C9H12N2	148









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\DSL16RE.D

Date : 04-DEC-2000 19:19

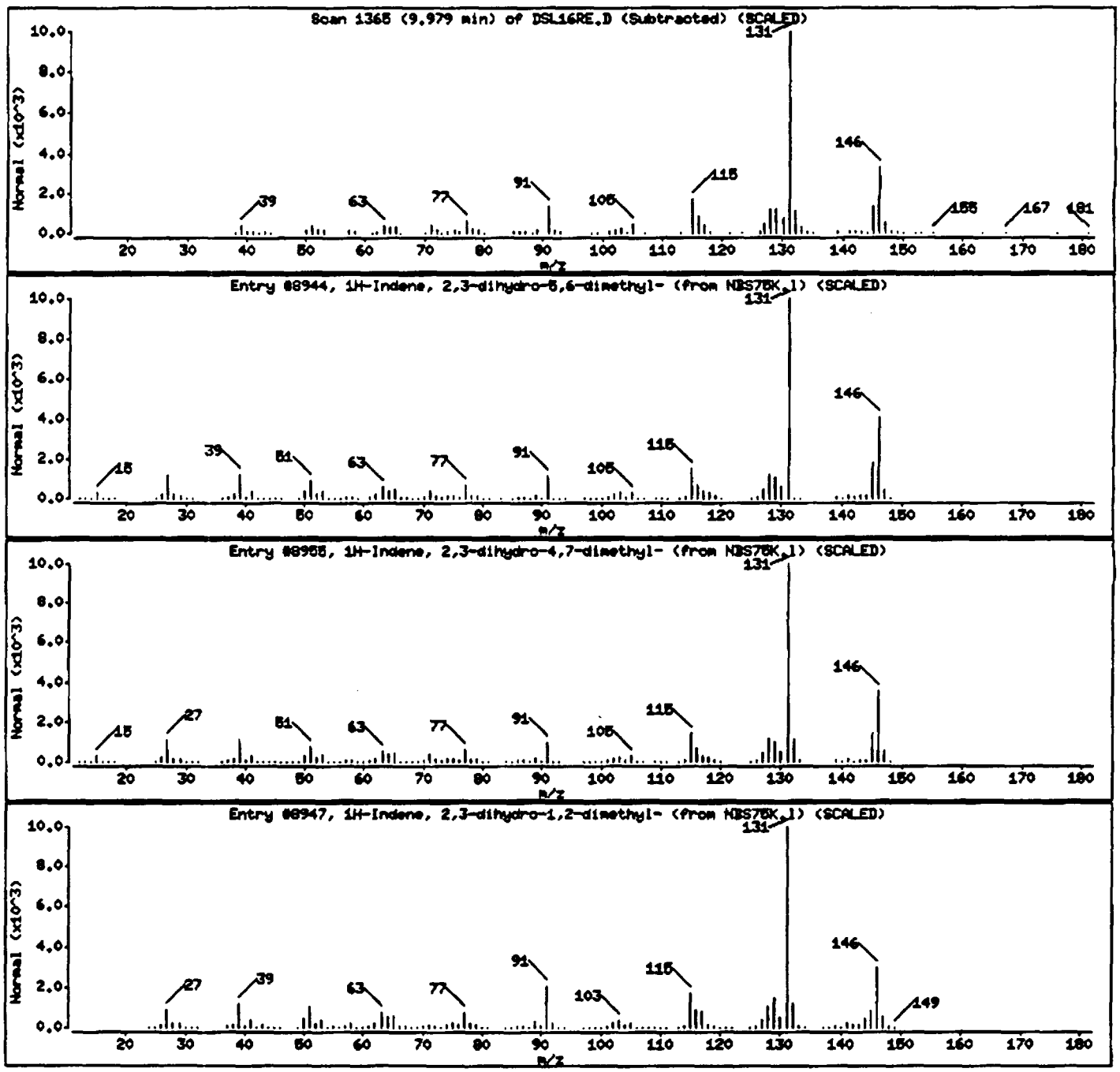
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-5,6-dimethyl-	1075-22-5	NBS75K.l	8944	94	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	94	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	94	C11H14	146



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Date : 04-DEC-2000 19:19

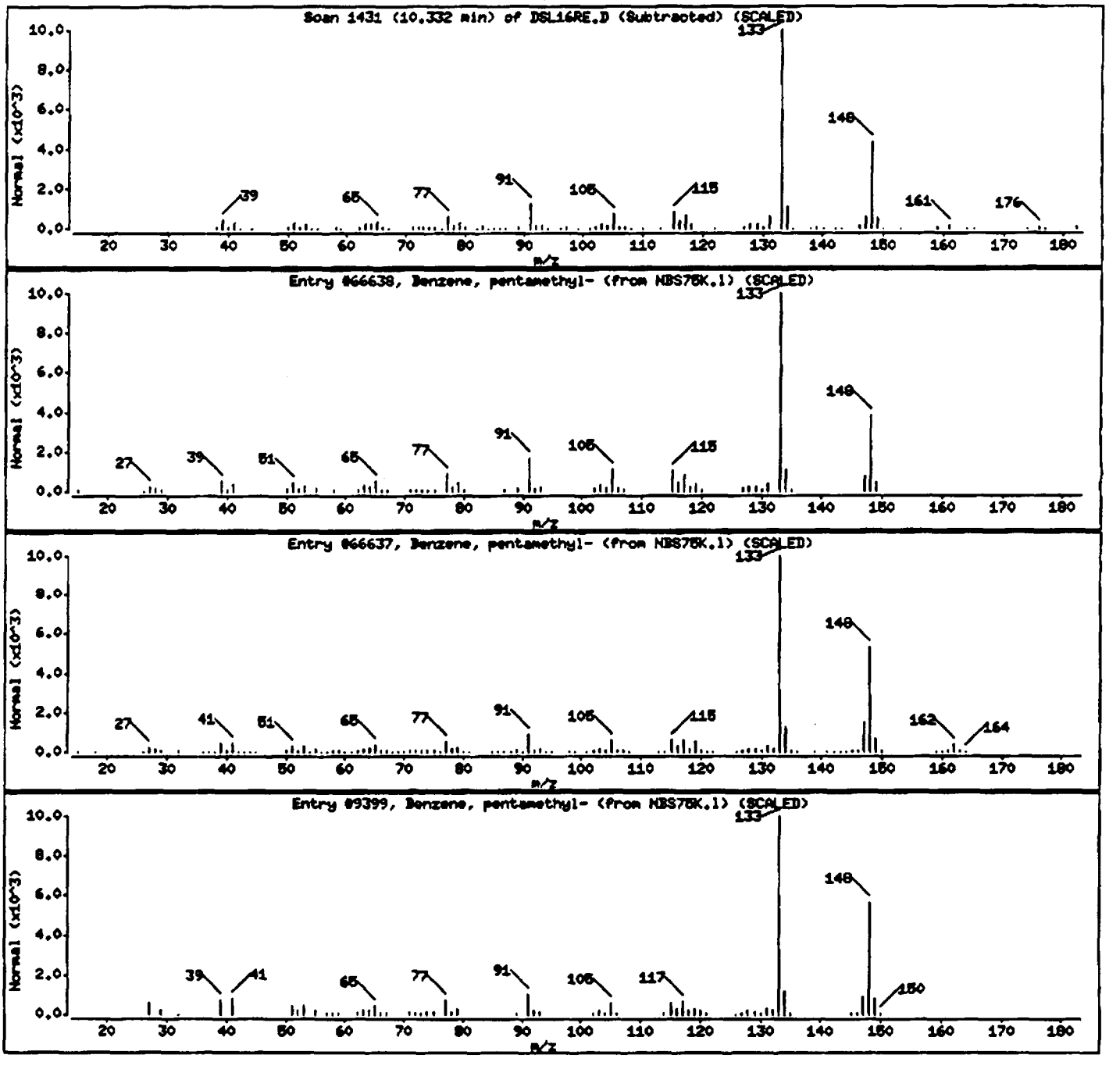
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf62a4,01204a.b,clp31,i-clp90,sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	94	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	9399	91	C11H16	148



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf82a4,01204a.b,clp31,1-clp90,sub

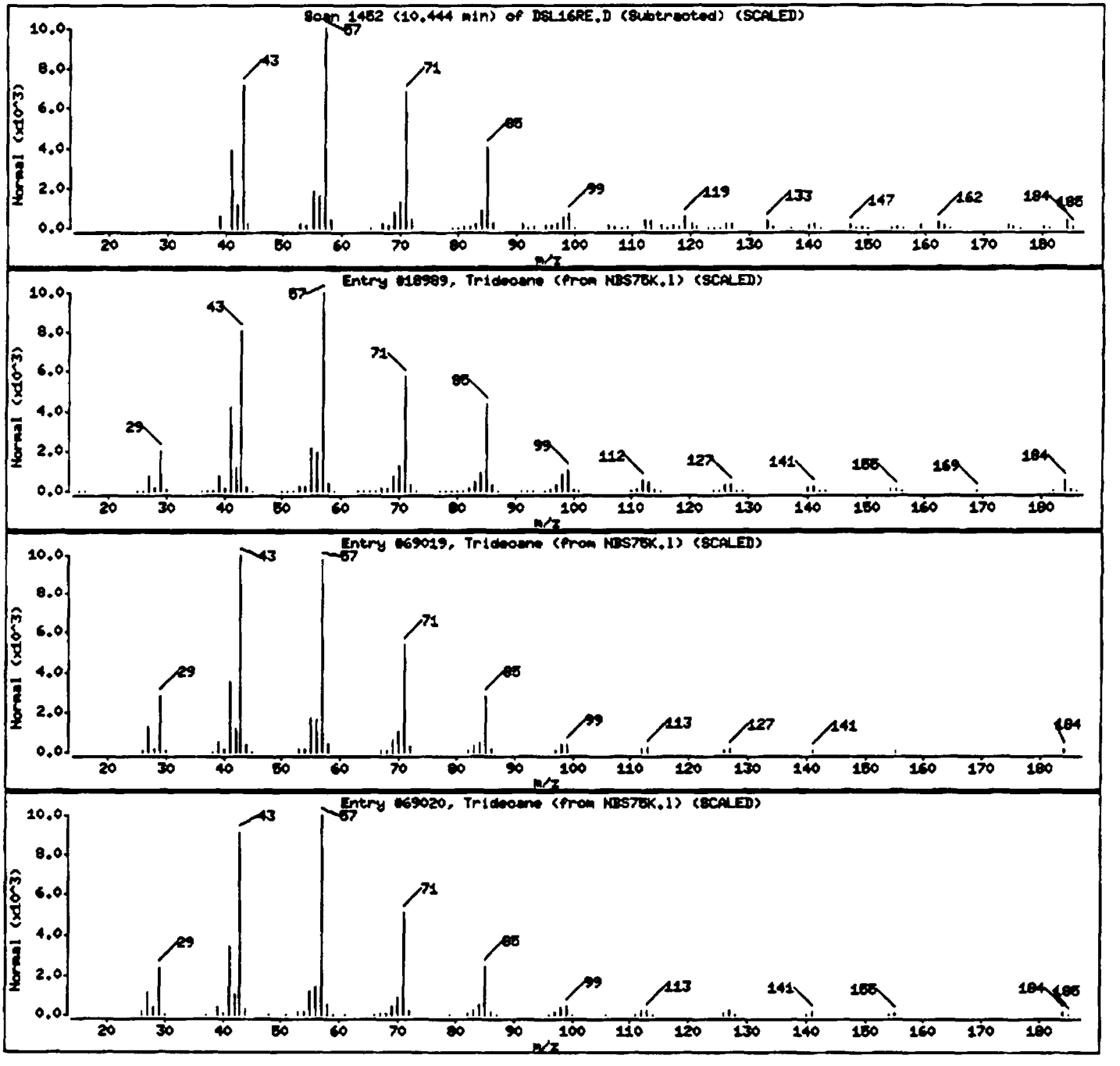
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tridecane	629-50-5	NBS75K.l	18989	96	C13H28	184
Tridecane	629-50-5	NBS75K.l	69019	87	C13H28	184
Tridecane	629-50-5	NBS75K.l	69020	87	C13H28	184



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Date : 04-DEC-2000 19:19

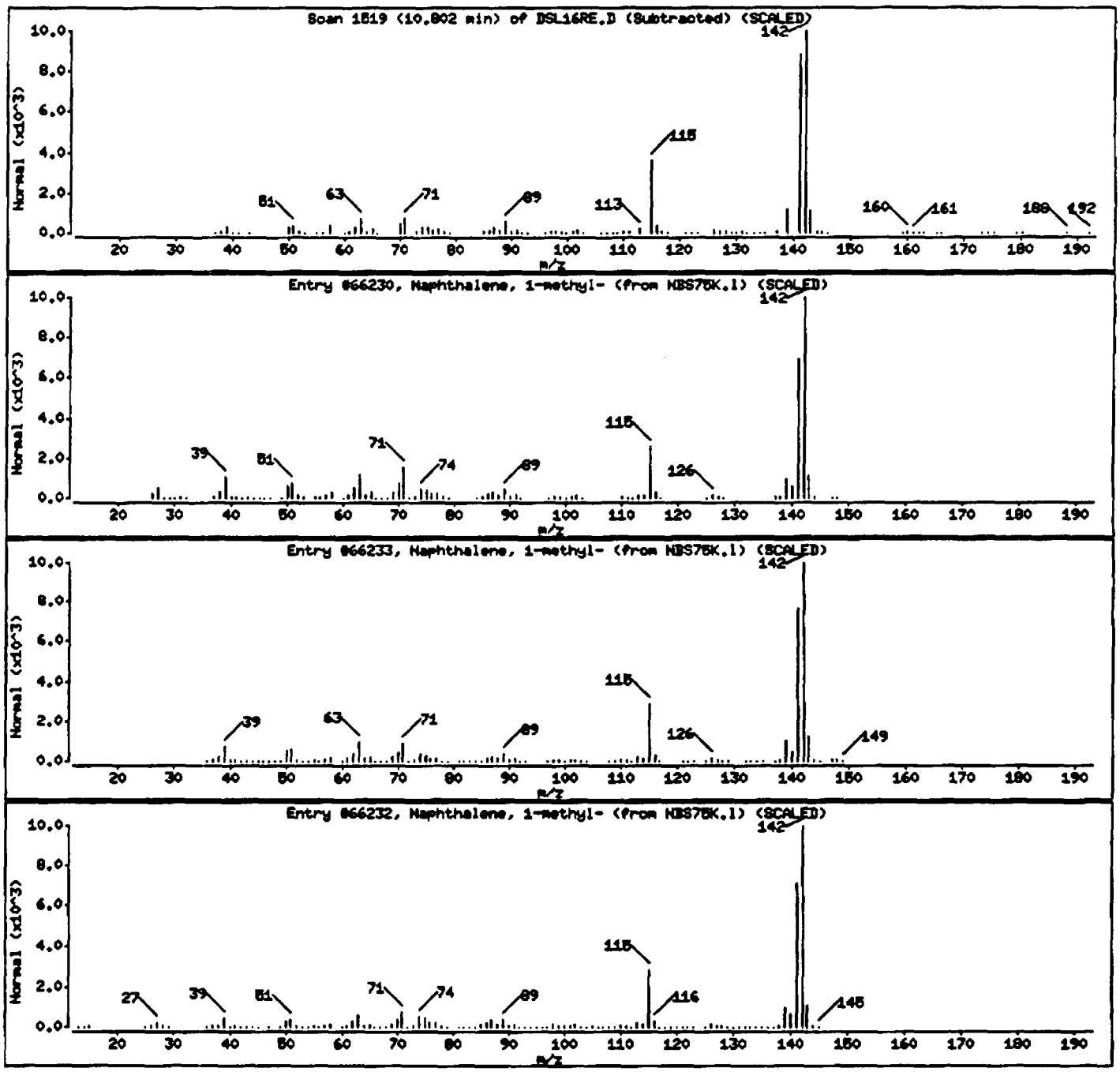
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66230	91	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	91	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66232	91	C11H10	142



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Date : 04-DEC-2000 19:19

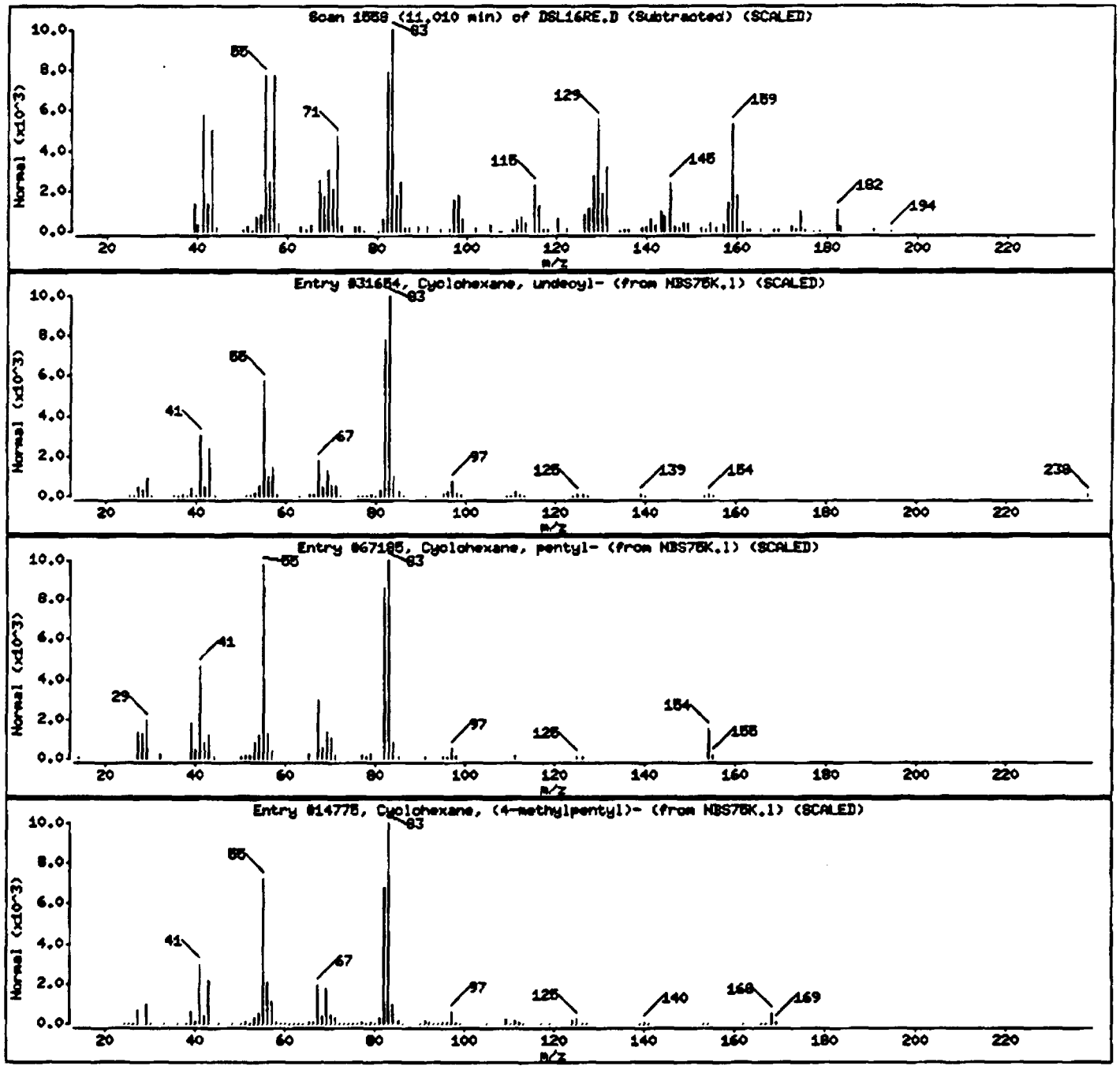
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, undecyl-	54105-66-7	NBS75K.l	31654	35	C17H34	238
Cyclohexane, pentyl-	4292-92-6	NBS75K.l	67185	27	C11H22	154
Cyclohexane, (4-methylpentyl)-	61142-20-9	NBS75K.l	14775	27	C12H24	168



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Date : 04-DEC-2000 19:19

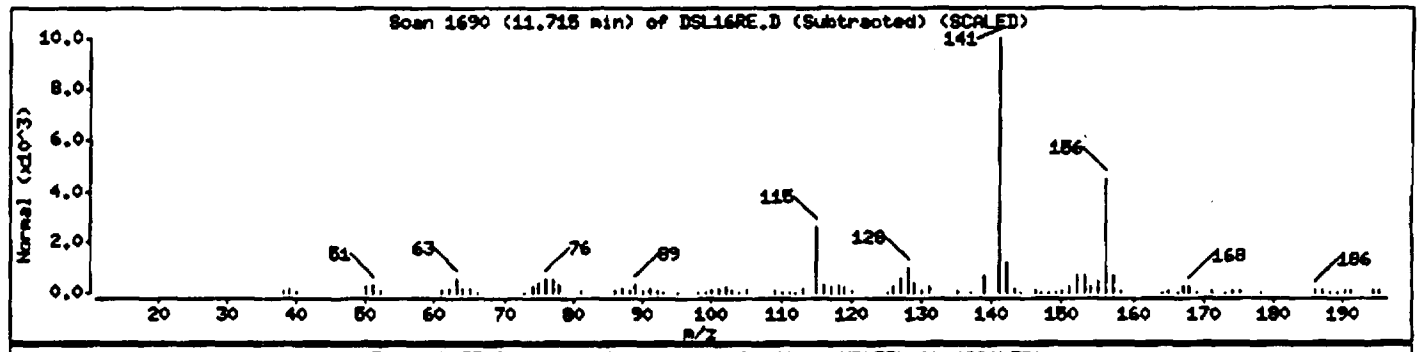
Client ID: DSL-16 Instrument: a4hp9.i

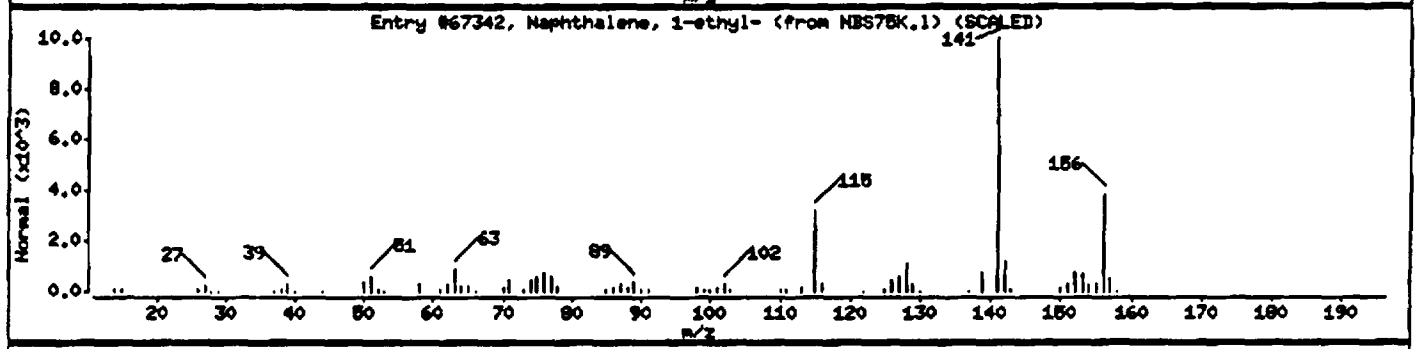
Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

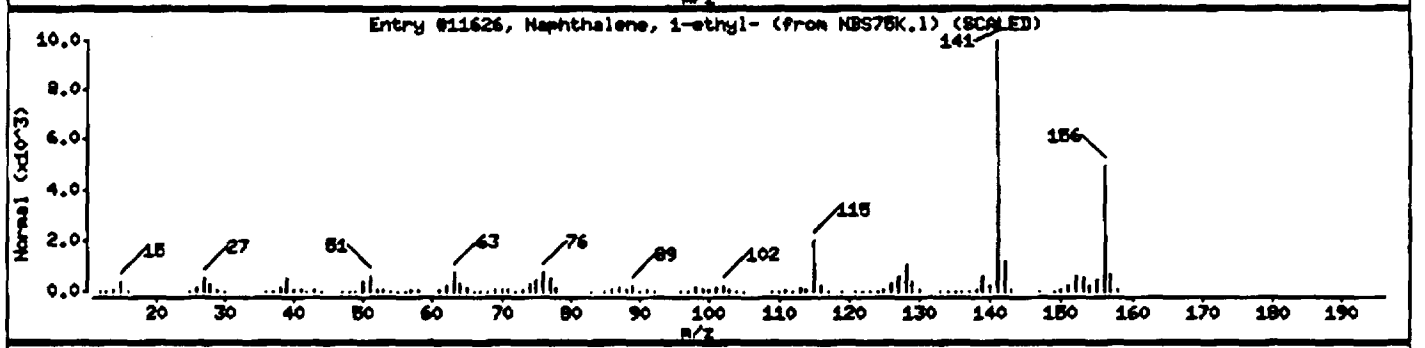
Volume Injected (uL): 2.0 Operator: 001574

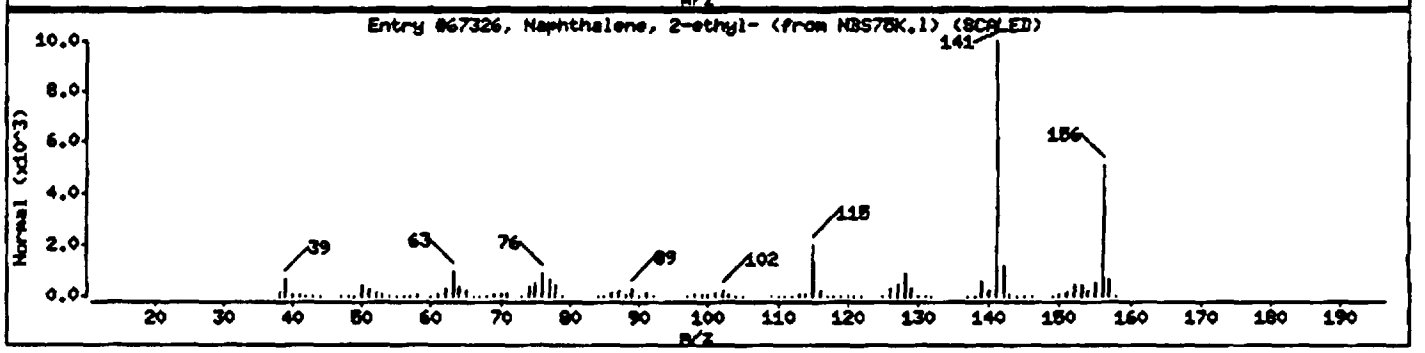
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	95	C12H12	156
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	11626	94	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	94	C12H12	156









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Date : 04-DEC-2000 19:19

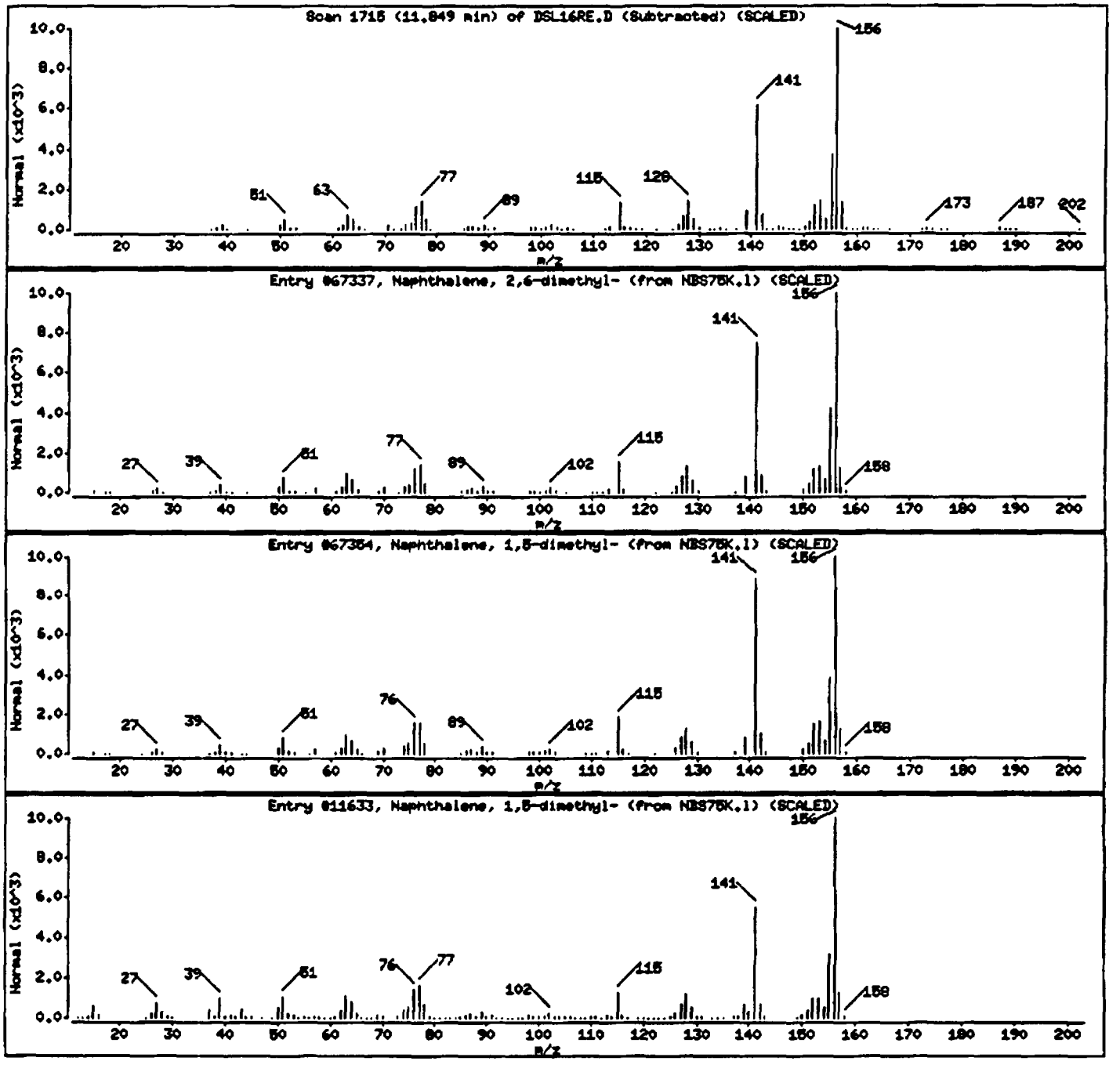
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf82a4,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	98	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	67354	98	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	11633	98	C12H12	156



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Date : 04-DEC-2000 19:19

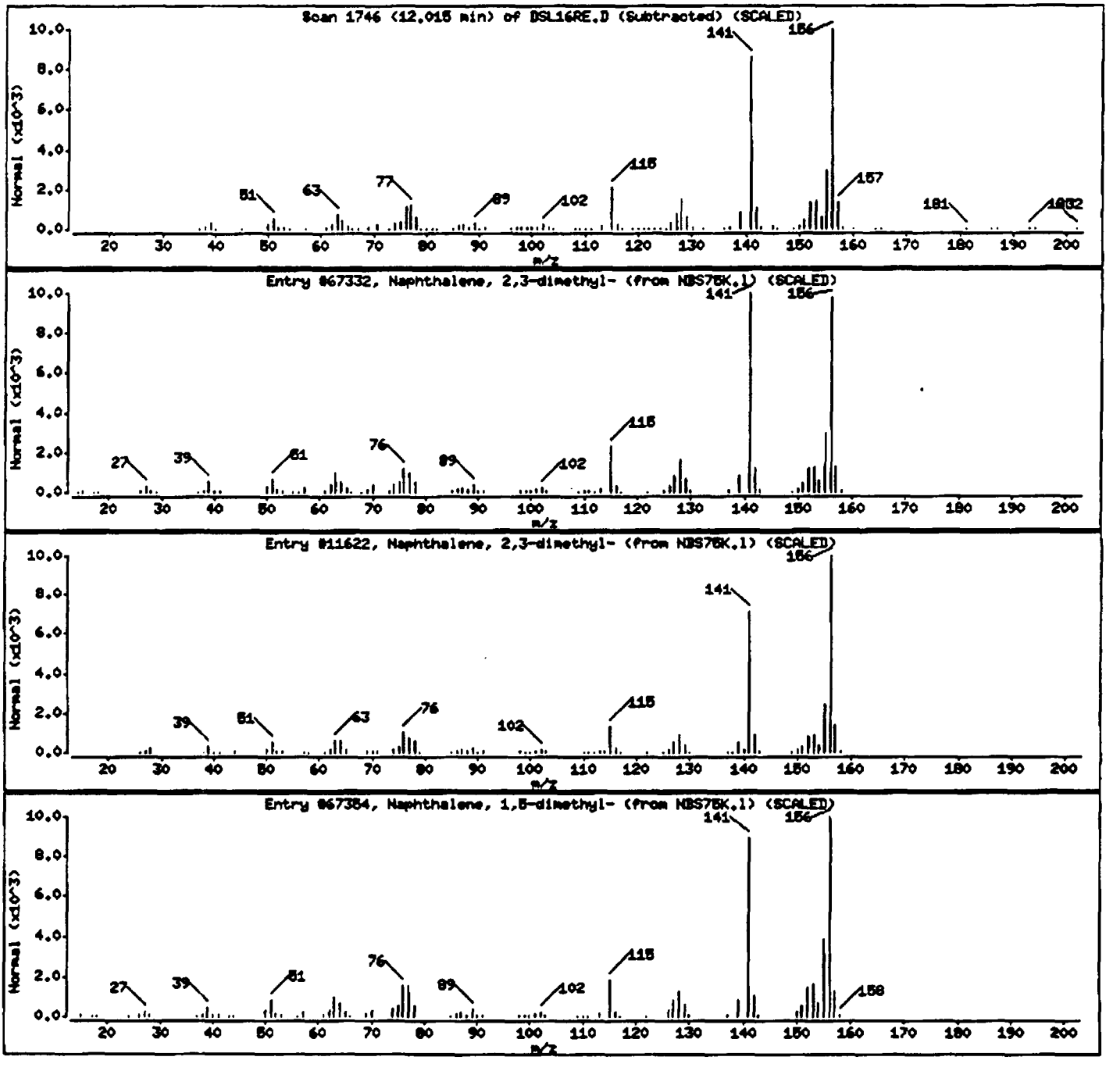
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,i-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	11622	97	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	67384	97	C12H12	156



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf82a4,01204a.b,olp31,1-olp90,sub

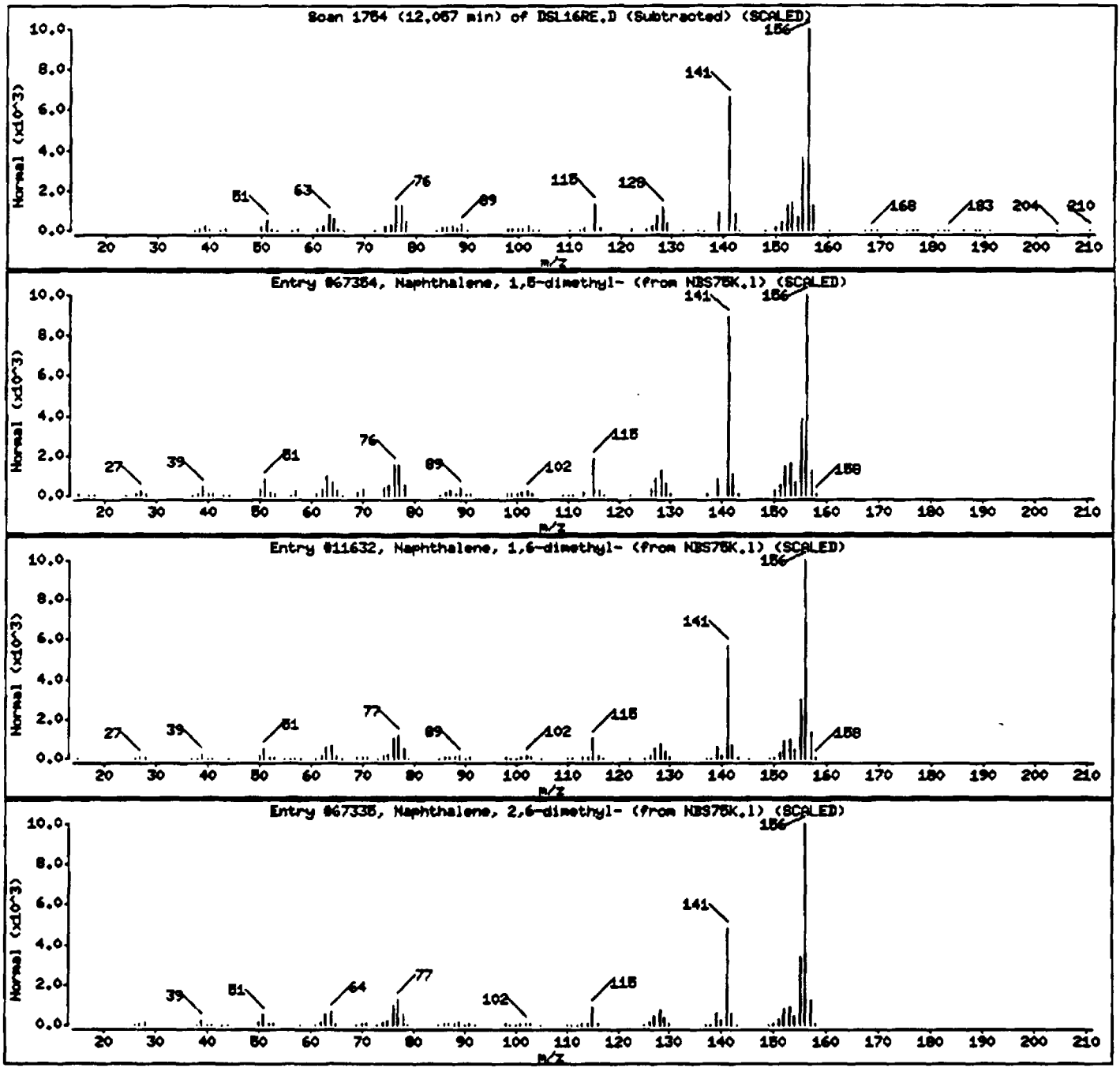
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	67354	98	C12H12	156
Naphthalene, 1,6-dimethyl-	575-43-9	NBS75K.l	11632	98	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67335	97	C12H12	156



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90,sub

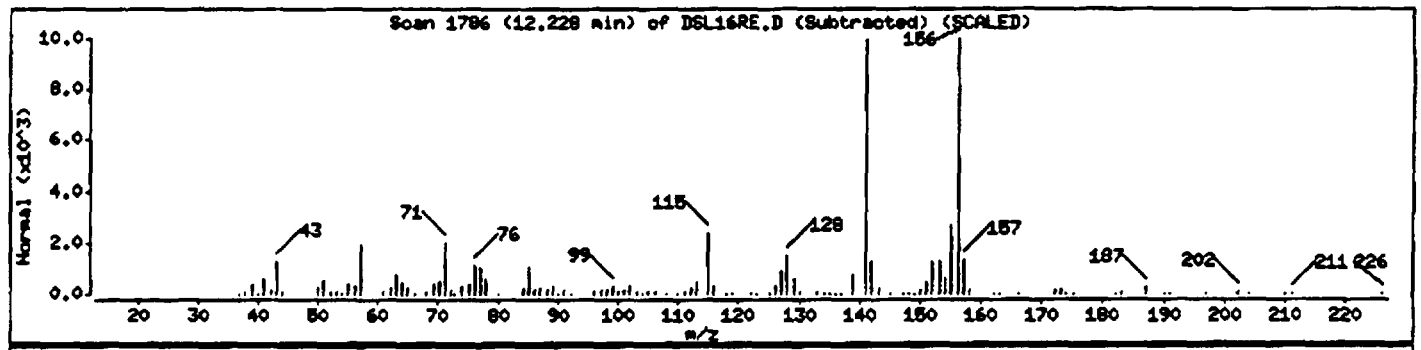
Volume Injected (uL): 2.0

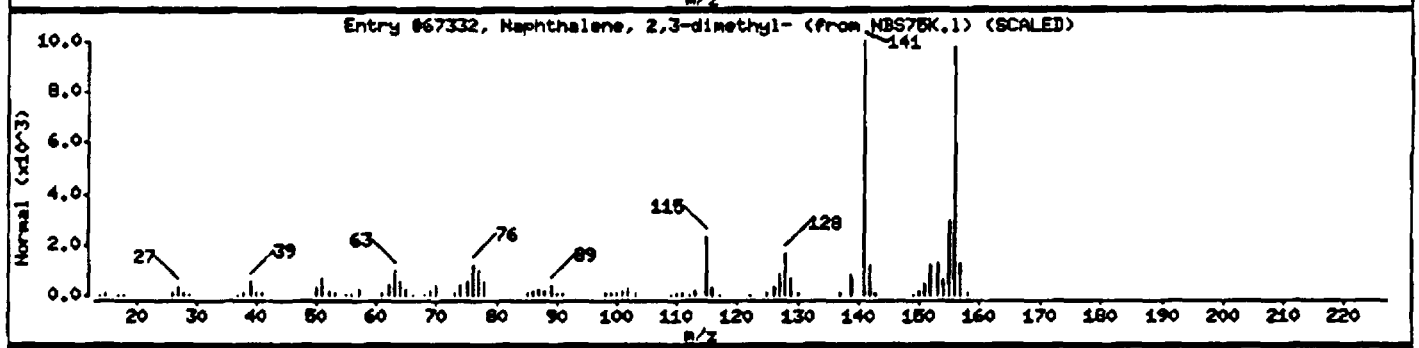
Operator: 001574

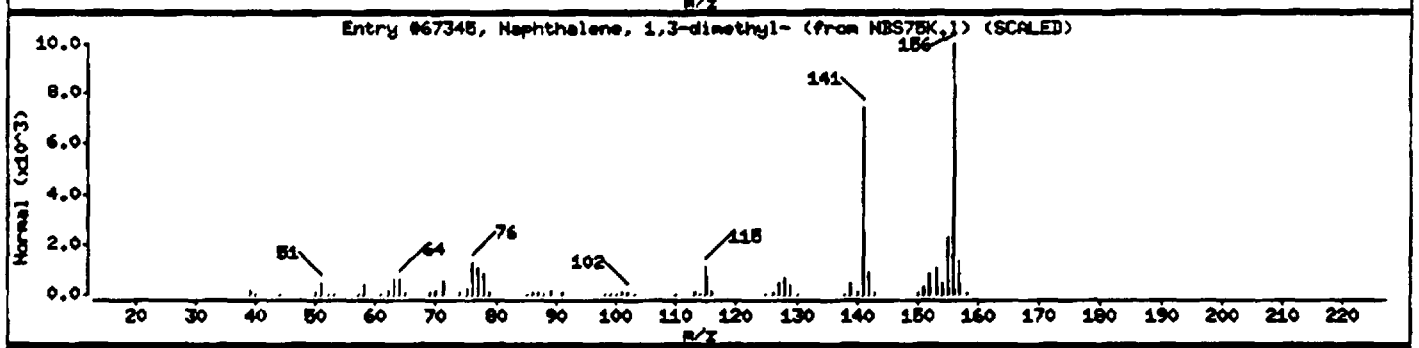
Column phase:

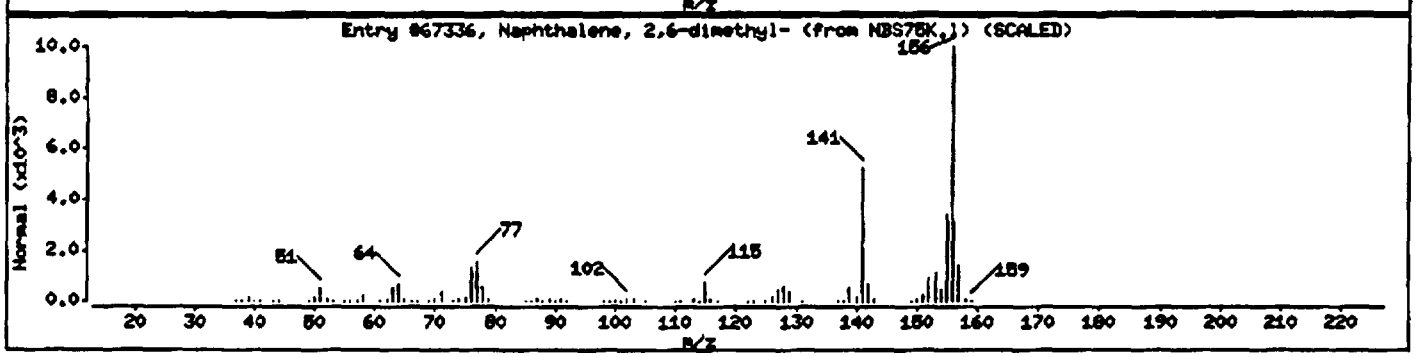
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 1,3-dimethyl-	575-41-7	NBS75K.l	67345	97	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67336	97	C12H12	156









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Date : 04-DEC-2000 19:19

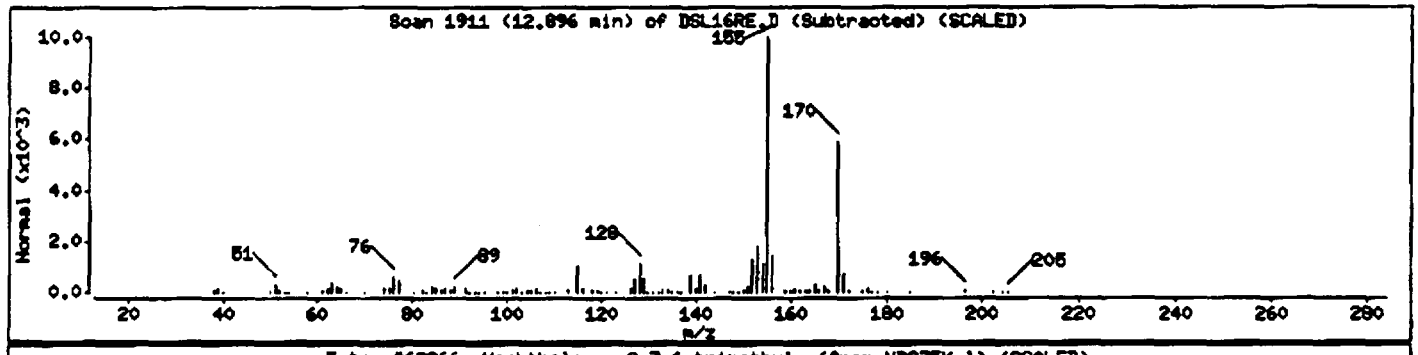
Client ID: DSL-16 Instrument: a4hp9.i

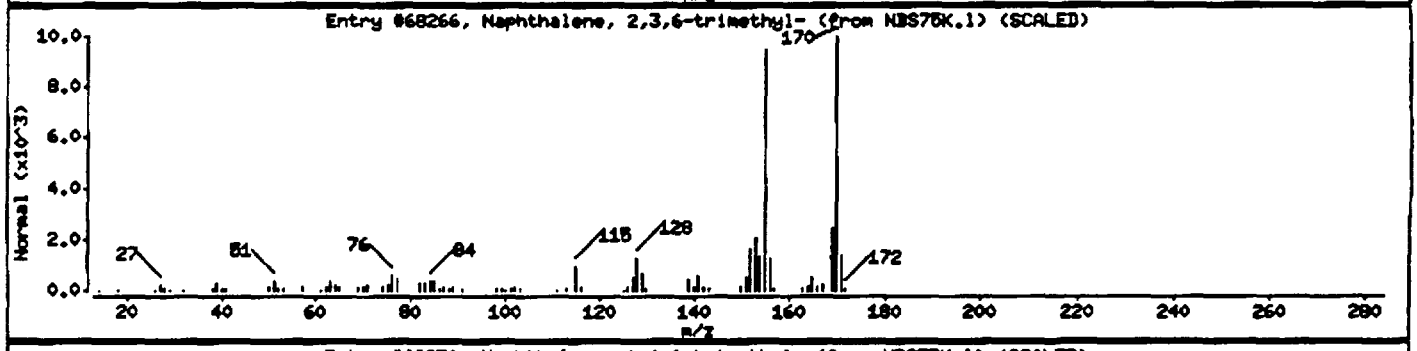
Sample Info: dpjf52a4,01204a.b,clp31,i-clp90.sub

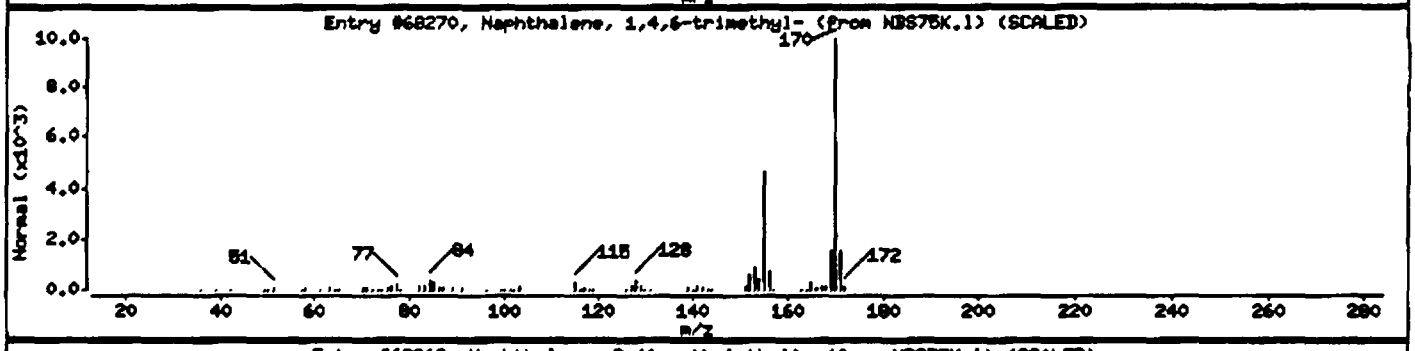
Volume Injected (uL): 2.0 Operator: 001574

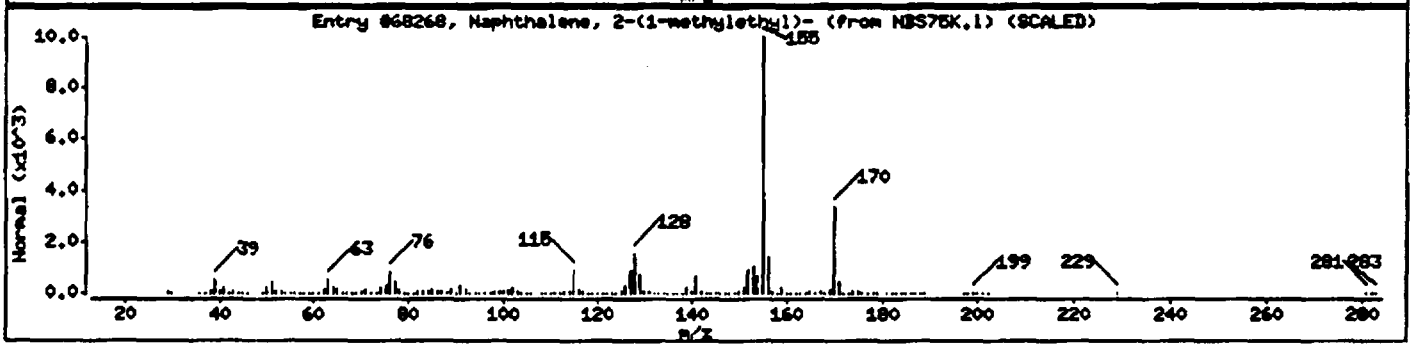
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	94	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	68270	91	C13H14	170
Naphthalene, 2-(1-methylethyl)-	2027-17-0	NBS75K.l	68268	91	C13H14	170









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Date : 04-DEC-2000 19:19

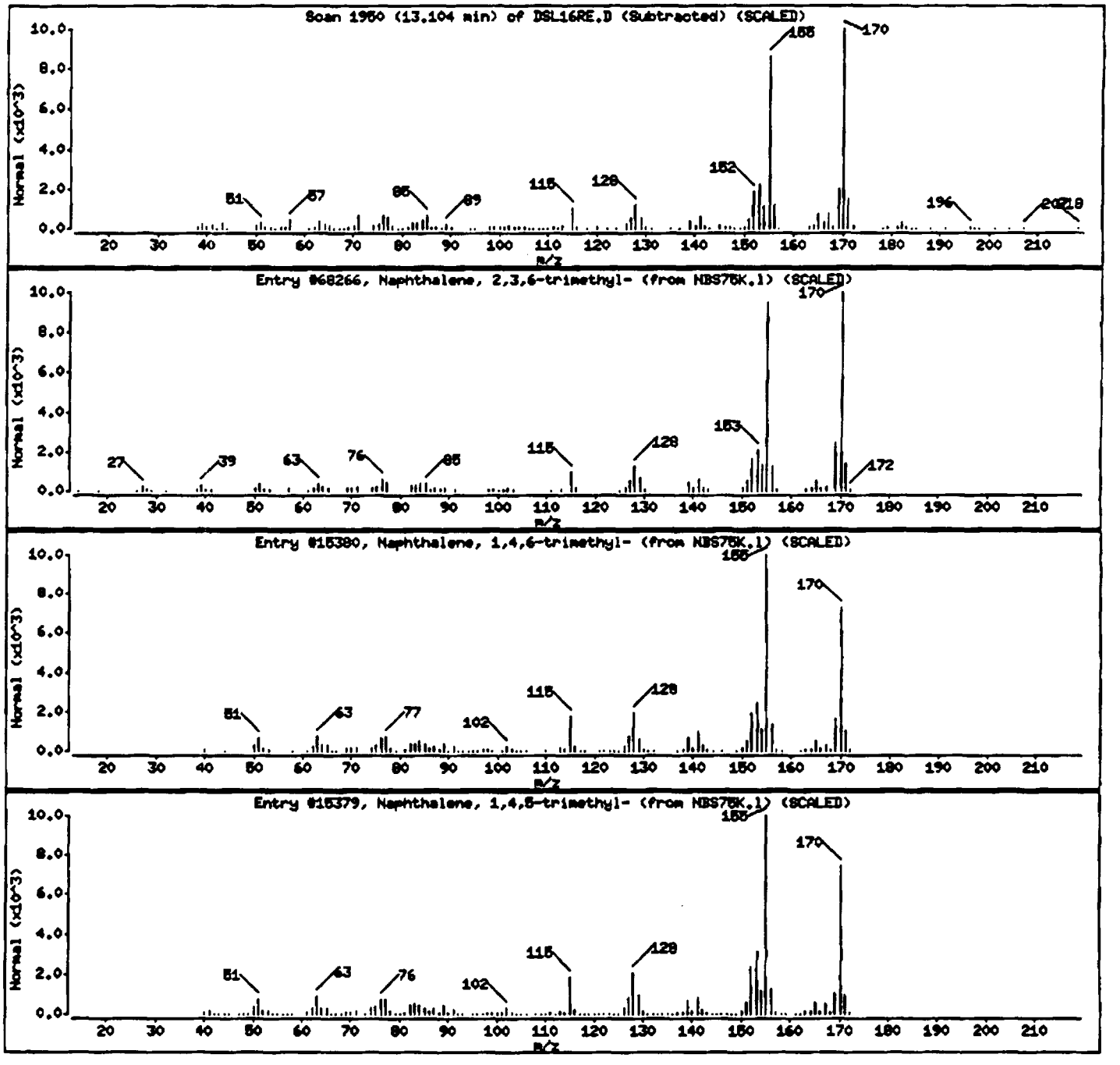
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,i-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	97	C13H14	170



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Date : 04-DEC-2000 19:19

Client ID: DSL-16

Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,olp31,1-olp90.sub

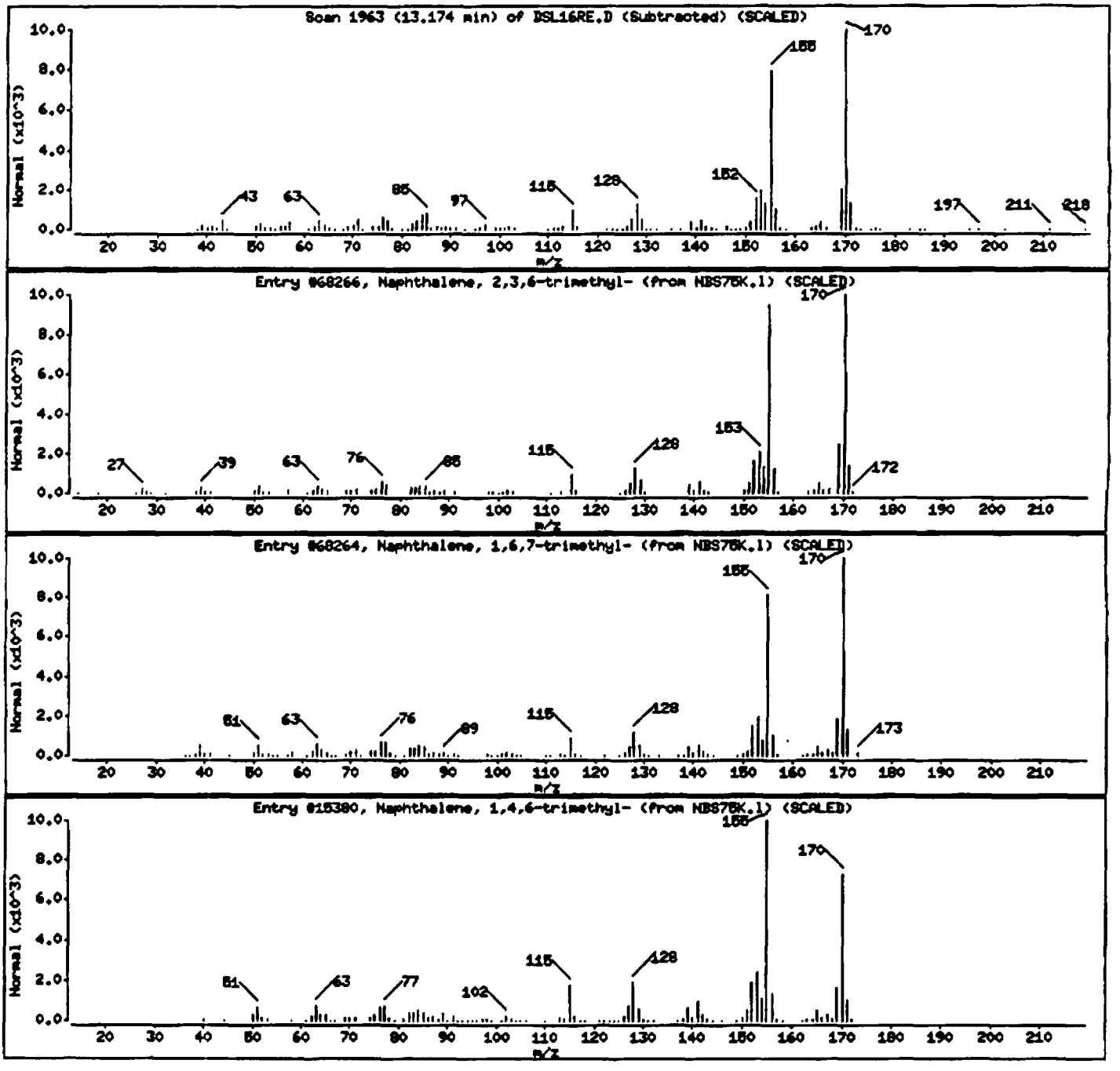
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-8	NBS75K.1	68266	98	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.1	68264	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.1	15380	97	C13H14	170



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Date : 04-DEC-2000 19:19

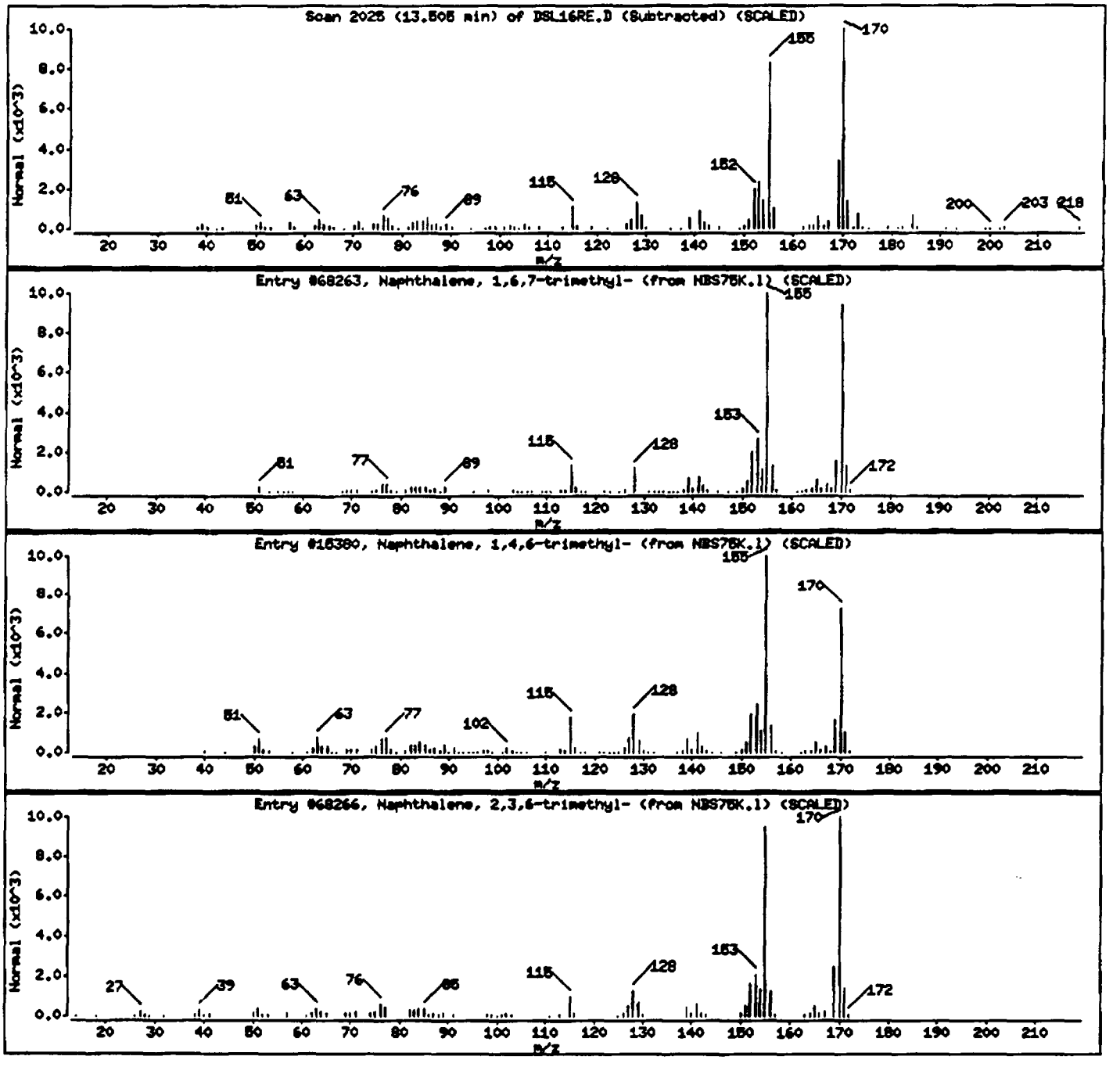
Client ID: DSL-16 Instrument: a4hp9.i

Sample Info: dpjf52a4,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	96	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	96	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-6	NBS75K.l	68266	95	C13H14	170



Committed To *Your* Success

STANDARD DATA

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A4HP9 Calibration Date(s): 11/27/00 11/27/00

Calibration Time(s): 1606 1846

LAB FILE ID: RRF20 =9SL1127 RRF50 =9SML1127
RRF80 =9SM1127 RRF120=9SMH1127 RRF160=9SH1127

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.544	1.771	1.832	1.784	1.816	1.749	6.7*
Bis(2-chloroethyl)ether *	1.328	1.454	1.438	1.348	1.289	1.371	5.2*
2-Chlorophenol *	1.119	1.235	1.241	1.161	1.122	1.176	5.1*
1,3-Dichlorobenzene *	1.307	1.386	1.365	1.289	1.252	1.320	4.2*
1,4-Dichlorobenzene *	1.282	1.331	1.297	1.218	1.161	1.258	5.4*
1,2-Dichlorobenzene *	1.168	1.170	1.112	0.991	0.900	1.068	11.1*
2-Methylphenol *	1.050	1.103	1.081	1.006	0.972	1.042	5.1*
2,2'-oxybis(1-Chloropropane)	0.760	0.839	0.832	0.798	0.800	0.806	3.9
N-Nitrosodinpropylamine *	0.918	0.954	0.916	0.832	0.794	0.883	7.6*
4-Methylphenol *	1.060	1.101	1.078	1.003	0.971	1.043	5.2*
Hexachloroethane *	0.514	0.506	0.483	0.443	0.411	0.471	9.2*
Nitrobenzene *	0.346	0.393	0.381	0.354	0.338	0.362	6.5*
Isophorone *	0.717	0.757	0.658	0.697	0.691	0.704	5.2*
2-Nitrophenol *	0.101	0.149	0.158	0.152	0.151	0.142	16.4*
2,4-Dimethylphenol *	0.330	0.345	0.330	0.306	0.297	0.322	6.1*
Bis(2-chloroethoxy)methane *	0.436	0.459	0.376	0.419	0.411	0.420	7.3*
2,4-Dichlorophenol *	0.246	0.268	0.264	0.246	0.243	0.253	4.5*
1,2,4-Trichlorobenzene *	0.287	0.299	0.286	0.265	0.261	0.280	5.7*
Naphthalene *	0.912	0.950	0.910	0.829	0.791	0.878	7.5*
4-Chloroaniline	0.300	0.322	0.332	0.322	0.319	0.319	3.7
Hexachlorobutadiene	0.175	0.173	0.164	0.149	0.144	0.161	8.8
4-Chloro-3-Methylphenol *	0.275	0.294	0.295	0.282	0.274	0.284	3.5*
2-Methylnaphthalene *	0.584	0.624	0.606	0.568	0.552	0.587	4.9*
Hexachlorocyclopentadiene	0.291	0.360	0.308	0.278	0.264	0.300	12.4
2,4,6-Trichlorophenol *	0.282	0.370	0.349	0.327	0.341	0.334	9.8*
2,4,5-Trichlorophenol *	0.278	0.315	0.287	0.287	0.256	0.285	7.5*
2-Chloronaphthalene *	0.875	0.956	0.804	0.720	0.654	0.802	15.0*
2-Nitroaniline	0.201	0.246	0.220	0.233	0.195	0.219	9.8
Dimethylphthalate	1.083	1.072	0.943	0.969	0.873	0.988	9.0
Acenaphthylene *	1.471	1.679	1.279	1.317	1.224	1.394	13.2*
2,6-Dinitrotoluene *	0.148	0.193	0.179	0.185	0.177	0.176	9.7*<-
3-Nitroaniline	0.141	0.187	0.184	0.201	0.182	0.179	12.5
Acenaphthene *	0.923	0.940	0.798	0.848	0.802	0.862	7.7*<-
2,4-Dinitrophenol	0.033	0.078	0.095	0.116	0.120	0.088	40.2
4-Nitrophenol	0.104	0.107	0.103	0.105	0.087	0.101	7.9
Dibenzofuran *	1.216	1.244	1.068	1.116	1.032	1.135	8.1*
2,4-Dinitrotoluene *	0.200	0.271	0.256	0.268	0.250	0.249	11.5*

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

FORM VI SV-1 OLM03.0

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A4HP9 Calibration Date(s): 11/27/00 11/27/00

Calibration Time(s): 1606 1846

LAB FILE ID: RRF20 =9SL1127 RRF50 =9SML1127
RRF80 =9SM1127 RRF120=9SMH1127 RRF160=9SH1127

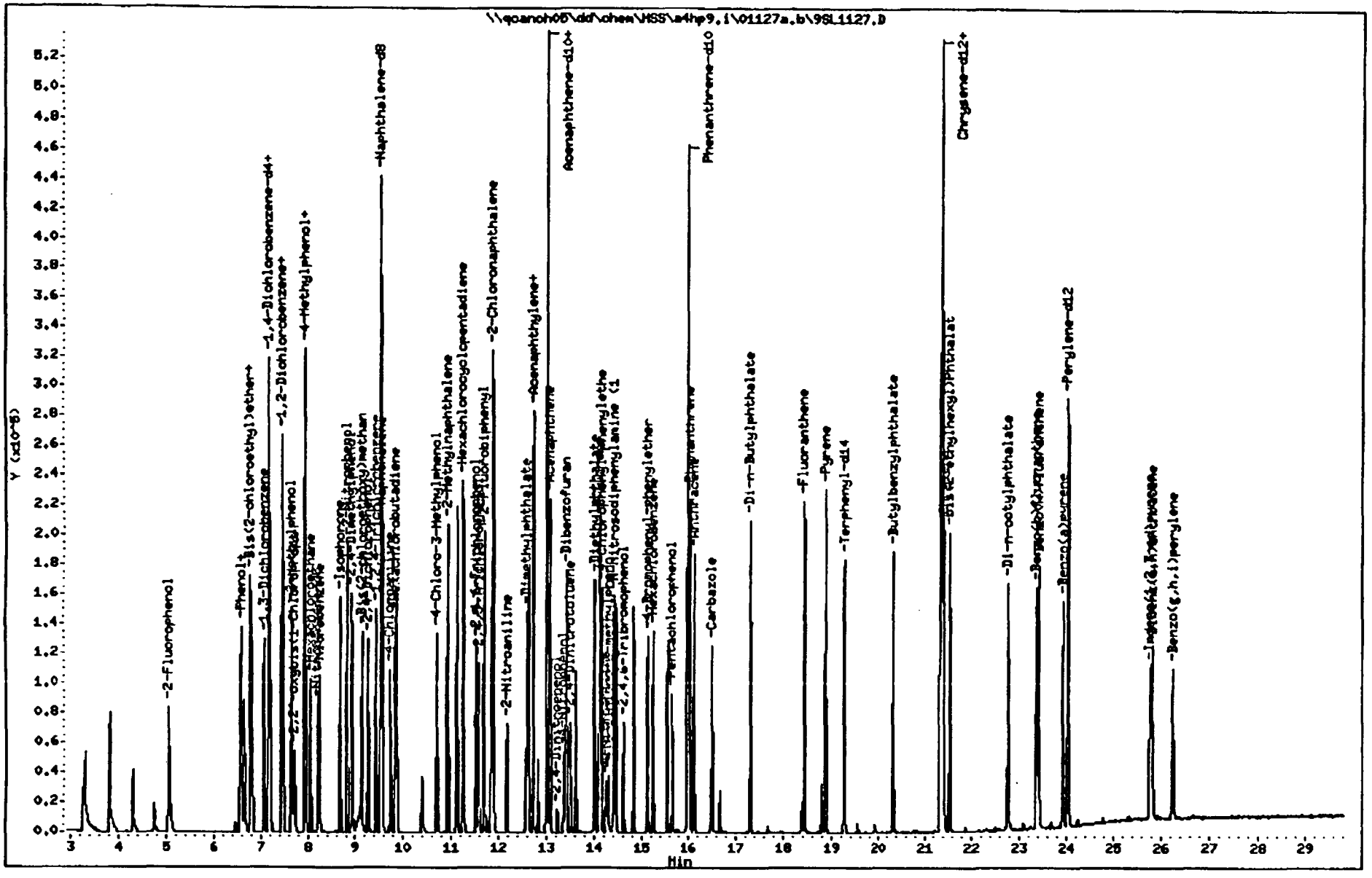
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate		1.050	1.010	0.861	0.870	0.761	0.910	13.0
4-Chlorophenyl-phenylether	*	0.515	0.514	0.443	0.450	0.445	0.473	7.9*
Fluorene	*	1.047	1.044	0.892	0.934	0.855	0.954	9.2*
4-Nitroaniline		0.149	0.191	0.180	0.195	0.180	0.179	10.1
4,6-Dinitro-2-methylphenol		0.052	0.101	0.110	0.115	0.119	0.099	27.3
N-Nitrosodiphenylamine (1)		0.445	0.442	0.401	0.372	0.344	0.401	10.9
4-Bromophenyl-phenylether	*	0.189	0.196	0.180	0.170	0.188	0.185	5.4*
Hexachlorobenzene	*	0.206	0.220	0.199	0.201	0.204	0.206	4.0*
Pentachlorophenol	*	0.114	0.140	0.136	0.132	0.130	0.130	7.7*
Phenanthrene	*	0.964	1.038	0.958	0.812	0.814	0.917	10.9*
Anthracene	*	0.910	0.916	0.836	0.762	0.721	0.829	10.5*
Carbazole		0.605	0.740	0.716	0.685	0.666	0.682	7.6
Di-n-Butylphthalate		1.191	1.150	1.086	1.003	0.954	1.077	9.2
Fluoranthene	*	1.070	1.142	1.096	1.045	1.047	1.080	3.7*
Pyrene	*	1.436	1.469	1.447	1.408	1.346	1.421	3.3*
Butylbenzylphthalate		0.614	0.664	0.676	0.654	0.632	0.648	3.8
3,3'-Dichlorobenzidine		0.333	0.365	0.354	0.350	0.336	0.348	3.8
Benzo(a)Anthracene	*	1.104	1.212	1.223	1.226	1.220	1.197	4.4*
Chrysene	*	1.012	1.069	1.044	0.980	0.938	1.009	5.1*
bis(2-ethylhexyl)Phthalate		0.841	0.854	0.815	0.718	0.650	0.776	11.4
Di-n-octylphthalate		1.735	1.867	1.826	1.552	1.366	1.669	12.5
Benzo(b)fluoranthene	*	1.408	1.440	1.469	1.355	1.334	1.401	4.0*
Benzo(k)fluoranthene	*	1.412	1.479	1.339	1.224	1.044	1.300	13.2*
Benzo(a)pyrene	*	1.264	1.278	1.212	1.126	1.044	1.185	8.4*
Indeno(1,2,3-cd)pyrene	*	1.157	1.161	1.113	1.130	1.116	1.135	2.0*
Dibenz(a,h)anthracene	*	1.082	1.096	1.040	0.997	0.920	1.027	6.9*
Benzo(g,h,i)perylene	*	1.122	1.134	1.087	1.074	1.026	1.089	3.9*
Nitrobenzene-d5		0.295	0.362	0.362	0.335	0.324	0.336	8.4*
2-Fluorobiphenyl	*	1.069	1.235	0.926	0.971	0.911	1.022	13.1*
Terphenyl-d14	*	0.876	0.910	0.903	0.893	0.848	0.886	2.8*
Phenol-d5	*	1.352	1.580	1.624	1.602	1.640	1.560	7.6*
2-Fluorophenol	*	1.119	1.286	1.328	1.305	1.349	1.277	7.2*
2,4,6-Tribromophenol		0.088	0.107	0.104	0.100	0.099	0.100	7.0
2-Chlorophenol-d4	*	1.012	1.116	1.102	1.050	1.017	1.059	4.5*
1,2-Dichlorobenzene-d4	*	0.760	0.753	0.725	0.661	0.624	0.705	8.4*

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

FORM VI SV-2 OLM03.0

Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01127a.b\9SL1127.D
Date : 27-NOV-2000 16:06
Client ID:
Sample Info: sstd020,01127a.b,clp31,1-clp90,sub,1,,1
Volume Injected (uL): 2.0
Column phase:

Instrument: a4hp9.i
Operator: 001574
Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SL1127.D
Lab Smp Id: sstd020
Inj Date : 27-NOV-2000 16:06
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd020,01127a.b,clp31,1-clp90.sub,1,,1
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\clp31.m
Meth Date : 27-Nov-2000 19:23 tapsvc Quant Type: ISTD
Cal Date : 27-NOV-2000 14:45 Cal File: 9SM1127.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * 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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.184	7.184	(1.000)	93390	40.0000	
* 2 Naphthalene-d8	136	9.535	9.535	(1.000)	323334	40.0000	
* 3 Acenaphthene-d10	164	13.023	13.023	(1.000)	192240	40.0000	
* 4 Phenanthrene-d10	188	16.004	16.004	(1.000)	293864	40.0000	
* 5 Chrysene-d12	240	21.357	21.357	(1.000)	228375	40.0000	
* 6 Perylene-d12	264	24.033	24.033	(1.000)	171819	40.0000	
7 Phenol	94	6.607	6.607	(0.920)	72083	20.0000	18
8 Bis(2-chloroethyl)ether	93	6.789	6.789	(0.945)	62017	20.0000	19
9 2-Chlorophenol	128	6.826	6.826	(0.950)	52252	20.0000	19
10 1,3-Dichlorobenzene	146	7.082	7.082	(0.986)	61015	20.0000	20
11 1,4-Dichlorobenzene	146	7.216	7.216	(1.004)	59844	20.0000	20
12 1,2-Dichlorobenzene	146	7.494	7.494	(1.043)	54535	20.0000	22
13 2-Methylphenol	108	7.665	7.665	(1.067)	49057	20.0000	20
14 2,2'-oxybis(1-Chloropropane)	45	7.724	7.724	(1.075)	35496	20.0000	19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
15 4-Methylphenol	108	7.948	7.948	(1.106)	49485	20.0000	20
16 N-Nitrosodinpropylamine	70	7.975	7.975	(1.110)	42864	20.0000	21
17 Hexachloroethane	117	8.060	8.060	(1.122)	23985	20.0000	22
18 Nitrobenzene	77	8.258	8.258	(0.866)	55978	20.0000	19
19 Isophorone	82	8.696	8.696	(0.912)	115944	20.0000	20
20 2-Nitrophenol	139	8.845	8.845	(0.928)	16278	20.0000	14
21 2,4-Dimethylphenol	107	8.942	8.942	(0.938)	53274	20.0000	20
22 Bis(2-chloroethoxy)methane	93	9.150	9.150	(0.960)	70510	20.0000	21
23 2,4-Dichlorophenol	162	9.278	9.278	(0.973)	39837	20.0000	19
24 1,2,4-Trichlorobenzene	180	9.438	9.438	(0.990)	46398	20.0000	20
25 Naphthalene	128	9.577	9.577	(1.004)	147529	20.0000	21
26 4-Chloroaniline	127	9.738	9.738	(1.021)	48495	20.0000	19
27 Hexachlorobutadiene	225	9.839	9.839	(1.032)	28350	20.0000	22
28 4-Chloro-3-Methylphenol	107	10.704	10.704	(1.123)	44463	20.0000	19
29 2-Methylnaphthalene	142	10.934	10.934	(1.147)	94356	20.0000	20
30 Hexachlorocyclopentadiene	237	11.265	11.265	(0.865)	28015	20.0000	19
31 2,4,6-Trichlorophenol	196	11.527	11.527	(0.885)	27121	20.0000	16
32 2,4,5-Trichlorophenol	196	11.586	11.586	(0.890)	26709	20.0000	19
33 2-Chloronaphthalene	162	11.896	11.896	(0.913)	84067	20.0000	21
34 2-Nitroaniline	65	12.179	12.179	(0.935)	19330	20.0000	18
35 Dimethylphthalate	163	12.596	12.596	(0.967)	104091	20.0000	21
36 Acenaphthylene	152	12.724	12.724	(0.977)	141362	20.0000	20
37 2,6-Dinitrotoluene	165	12.724	12.724	(0.977)	14217	20.0000	16
38 3-Nitroaniline	138	13.018	13.018	(1.000)	13596	20.0000	15
39 Acenaphthene	153	13.087	13.087	(1.005)	88719	20.0000	21
40 2,4-Dinitrophenol	184	13.242	13.242	(1.017)	3163	20.0000	7(a)
41 4-Nitrophenol	109	13.376	13.376	(1.027)	9955	20.0000	20
42 Dibenzofuran	168	13.424	13.424	(1.031)	116882	20.0000	21
43 2,4-Dinitrotoluene	165	13.514	13.514	(1.038)	19228	20.0000	16
44 Diethylphthalate	149	14.017	14.017	(1.076)	100972	20.0000	22
45 4-Chlorophenyl-phenylether	204	14.155	14.155	(1.087)	49538	20.0000	21
46 Fluorene	166	14.118	14.118	(1.084)	100659	20.0000	21
47 4-Nitroaniline	138	14.252	14.252	(1.094)	14337	20.0000	16
48 4,6-Dinitro-2-methylphenol	198	14.310	14.310	(0.894)	7705	20.0000	10
49 N-Nitrosodiphenylamine (1)	169	14.417	14.417	(0.901)	65420	20.0000	22
50 4-Bromophenyl-phenylether	248	15.133	15.133	(0.946)	27743	20.0000	20
51 Hexachlorobenzene	284	15.251	15.251	(0.953)	30223	20.0000	20
53 Pentachlorophenol	266	15.662	15.662	(0.979)	16717	20.0000	17
54 Phenanthrene	178	16.047	16.047	(1.003)	141657	20.0000	47(H)
55 Anthracene	178	16.143	16.143	(1.009)	133657	20.0000	22
56 Carbazole	167	16.522	16.522	(1.032)	88841	20.0000	18
57 Di-n-Butylphthalate	149	17.323	17.323	(1.082)	175014	20.0000	22
58 Fluoranthene	202	18.445	18.445	(1.153)	157283	20.0000	20
59 Pyrene	202	18.894	18.894	(0.885)	163942	20.0000	20
60 Butylbenzylphthalate	149	20.352	20.352	(0.953)	70143	20.0000	19
61 3,3'-Dichlorobenzidine	252	21.362	21.362	(1.000)	38055	20.0000	19
62 Benzo(a)Anthracene	228	21.330	21.330	(0.999)	126070	20.0000	18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
63 Chrysene	228	21.405	21.405	(1.002)	115526	20.0000	20
64 bis(2-ethylhexyl)Phthalate	149	21.533	21.533	(1.008)	96018	20.0000	22
65 Di-n-octylphthalate	149	22.767	22.767	(0.947)	149095	20.0000	21
66 Benzo(b)fluoranthene	252	23.360	23.360	(0.972)	120928	20.0000	20
67 Benzo(k)fluoranthene	252	23.408	23.408	(0.974)	121284	20.0000	22
68 Benzo(a)pyrene	252	23.926	23.926	(0.996)	108584	20.0000	21
69 Indeno(1,2,3-cd)pyrene	276	25.775	25.775	(1.072)	99408	20.0000	20
70 Dibenz(a,h)anthracene	278	25.817	25.817	(1.074)	92930	20.0000	21
71 Benzo(g,h,i)perylene	276	26.250	26.250	(1.092)	96394	20.0000	21
$ 72 Nitrobenzene-d5	82	8.226	8.226	(0.863)	47766	20.0000	18
$ 73 2-Fluorobiphenyl	172	11.703	11.703	(0.899)	102714	20.0000	20
$ 74 Terphenyl-d14	244	19.284	19.284	(0.903)	100058	20.0000	20
$ 75 Phenol-d5	99	6.580	6.580	(0.916)	63116	20.0000	17
$ 76 2-Fluorophenol	112	5.069	5.069	(0.706)	52249	20.0000	18
$ 77 2,4,6-Tribromophenol	330	14.626	14.626	(0.914)	13011	20.0000	18
$ 78 2-Chlorophenol-d4	132	6.799	6.799	(0.946)	47242	20.0000	19
$ 79 1,2-Dichlorobenzene-d4	152	7.467	7.467	(1.039)	35505	20.0000	22

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SHL1127.D

Date : 27-NOV-2000 16:46

Client ID:

Sample Info: sstd050,01127a.b,clp31,1-clp90.sub,1,,2

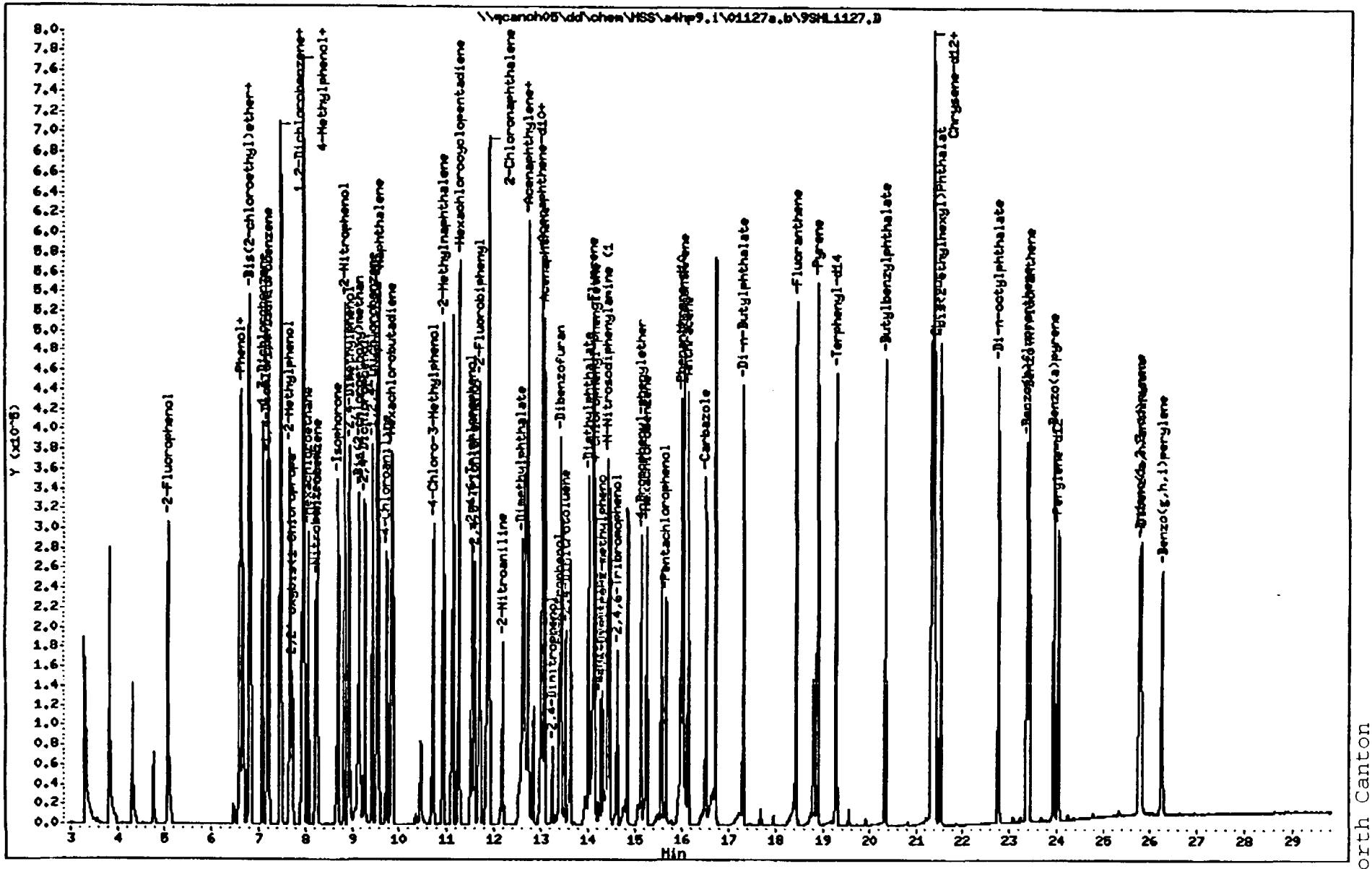
Volume Injected (uL): 2.0

Column phase:

Instrument: a4hp9.i

Operator: 001574

Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SML1127.D
Lab Smp Id: sstd050
Inj Date : 27-NOV-2000 16:46
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd050,01127a.b,clp31,1-clp90.sub,1,,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\clp31.m
Meth Date : 27-Nov-2000 19:23 tapsvc Quant Type: ISTD
Cal Date : 27-NOV-2000 16:46 Cal File: 9SML1127.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * 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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.189	7.189	(1.000)	107472	40.0000	
* 2 Naphthalene-d8	136	9.540	9.540	(1.000)	356102	40.0000	
* 3 Acenaphthene-d10	164	13.023	13.023	(1.000)	184265	40.0000	
* 4 Phenanthrene-d10	188	16.004	16.004	(1.000)	280440	40.0000	
* 5 Chrysene-d12	240	21.362	21.362	(1.000)	227456	40.0000	
* 6 Perylene-d12	264	24.033	24.033	(1.000)	176934	40.0000	
7 Phenol	94	6.623	6.623	(0.921)	237923	50.0000	51
8 Bis(2-chloroethyl)ether	93	6.794	6.794	(0.945)	195288	50.0000	53
9 2-Chlorophenol	128	6.831	6.831	(0.950)	165926	50.0000	52
10 1,3-Dichlorobenzene	146	7.093	7.093	(0.987)	186147	50.0000	52
11 1,4-Dichlorobenzene	146	7.221	7.221	(1.004)	178768	50.0000	53
12 1,2-Dichlorobenzene	146	7.494	7.494	(1.042)	157164	50.0000	55
13 2-Methylphenol	108	7.675	7.675	(1.068)	148146	50.0000	53
14 2,2'-oxybis(1-Chloropropane)	45	7.723	7.723	(1.074)	112712	50.0000	52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
15 4-Methylphenol	108	7.964	7.964	(1.108)	147950	50.0000	53
16 N-Nitrosodinpropylamine	70	7.991	7.991	(1.111)	128239	50.0000	54
17 Hexachloroethane	117	8.065	8.065	(1.122)	68006	50.0000	54
18 Nitrobenzene	77	8.268	8.268	(0.867)	174977	50.0000	54
19 Isophorone	82	8.706	8.706	(0.913)	336950	50.0000	54
20 2-Nitrophenol	139	8.856	8.856	(0.928)	66339	50.0000	52
21 2,4-Dimethylphenol	107	8.947	8.947	(0.938)	153669	50.0000	54
22 Bis(2-chloroethoxy)methane	93	9.161	9.161	(0.960)	204223	50.0000	54
23 2,4-Dichlorophenol	162	9.283	9.283	(0.973)	119146	50.0000	53
24 1,2,4-Trichlorobenzene	180	9.444	9.444	(0.990)	132997	50.0000	53
25 Naphthalene	128	9.583	9.583	(1.004)	422986	50.0000	54
26 4-Chloroaniline	127	9.743	9.743	(1.021)	143527	50.0000	50
27 Hexachlorobutadiene	225	9.839	9.839	(1.031)	77020	50.0000	54
28 4-Chloro-3-Methylphenol	107	10.720	10.720	(1.124)	131075	50.0000	52
29 2-Methylnaphthalene	142	10.934	10.934	(1.146)	277805	50.0000	53
30 Hexachlorocyclopentadiene	237	11.271	11.271	(0.865)	82985	50.0000	60
31 2,4,6-Trichlorophenol	196	11.538	11.538	(0.886)	85150	50.0000	55
32 2,4,5-Trichlorophenol	196	11.597	11.597	(0.890)	72552	50.0000	55
33 2-Chloronaphthalene	162	11.906	11.906	(0.914)	220181	50.0000	60
34 2-Nitroaniline	65	12.189	12.189	(0.936)	56728	50.0000	56
35 Dimethylphthalate	163	12.606	12.606	(0.968)	246822	50.0000	54
36 Acenaphthylene	152	12.729	12.729	(0.977)	386807	50.0000	60
37 2,6-Dinitrotoluene	165	12.740	12.740	(0.978)	44558	50.0000	55
38 3-Nitroaniline	138	13.034	13.034	(1.001)	43183	50.0000	52
39 Acenaphthene	153	13.092	13.092	(1.005)	216614	50.0000	54
40 2,4-Dinitrophenol	184	13.247	13.247	(1.017)	17904	50.0000	44
41 4-Nitrophenol	109	13.391	13.391	(1.028)	24760	50.0000	53
42 Dibenzofuran	168	13.429	13.429	(1.031)	286563	50.0000	55
43 2,4-Dinitrotoluene	165	13.525	13.525	(1.039)	62433	50.0000	54
44 Diethylphthalate	149	14.022	14.022	(1.077)	232655	50.0000	55
45 4-Chlorophenyl-phenylether	204	14.161	14.161	(1.087)	118286	50.0000	54
46 Fluorene	166	14.123	14.123	(1.084)	240464	50.0000	55
47 4-Nitroaniline	138	14.273	14.273	(1.096)	44086	50.0000	53
48 4,6-Dinitro-2-methylphenol	198	14.326	14.326	(0.895)	35288	50.0000	50
49 N-Nitrosodiphenylamine (1)	169	14.428	14.428	(0.902)	154859	50.0000	55
50 4-Bromophenyl-phenylether	248	15.138	15.138	(0.946)	68906	50.0000	53
51 Hexachlorobenzene	284	15.256	15.256	(0.953)	77077	50.0000	53
53 Pentachlorophenol	266	15.673	15.673	(0.979)	49139	50.0000	54
54 Phenanthrene	178	16.052	16.052	(1.003)	363774	50.0000	56(H)
55 Anthracene	178	16.148	16.148	(1.009)	321267	50.0000	55
56 Carbazole	167	16.527	16.527	(1.033)	259540	50.0000	54
57 Di-n-Butylphthalate	149	17.329	17.329	(1.083)	403316	50.0000	53
58 Fluoranthene	202	18.450	18.450	(1.153)	400410	50.0000	53
59 Pyrene	202	18.899	18.899	(0.885)	417736	50.0000	52
60 Butylbenzylphthalate	149	20.358	20.358	(0.953)	188658	50.0000	51
61 3,3'-Dichlorobenzidine	252	21.367	21.367	(1.000)	103767	50.0000	52
62 Benzo(a)Anthracene	228	21.335	21.335	(0.999)	344726	50.0000	51

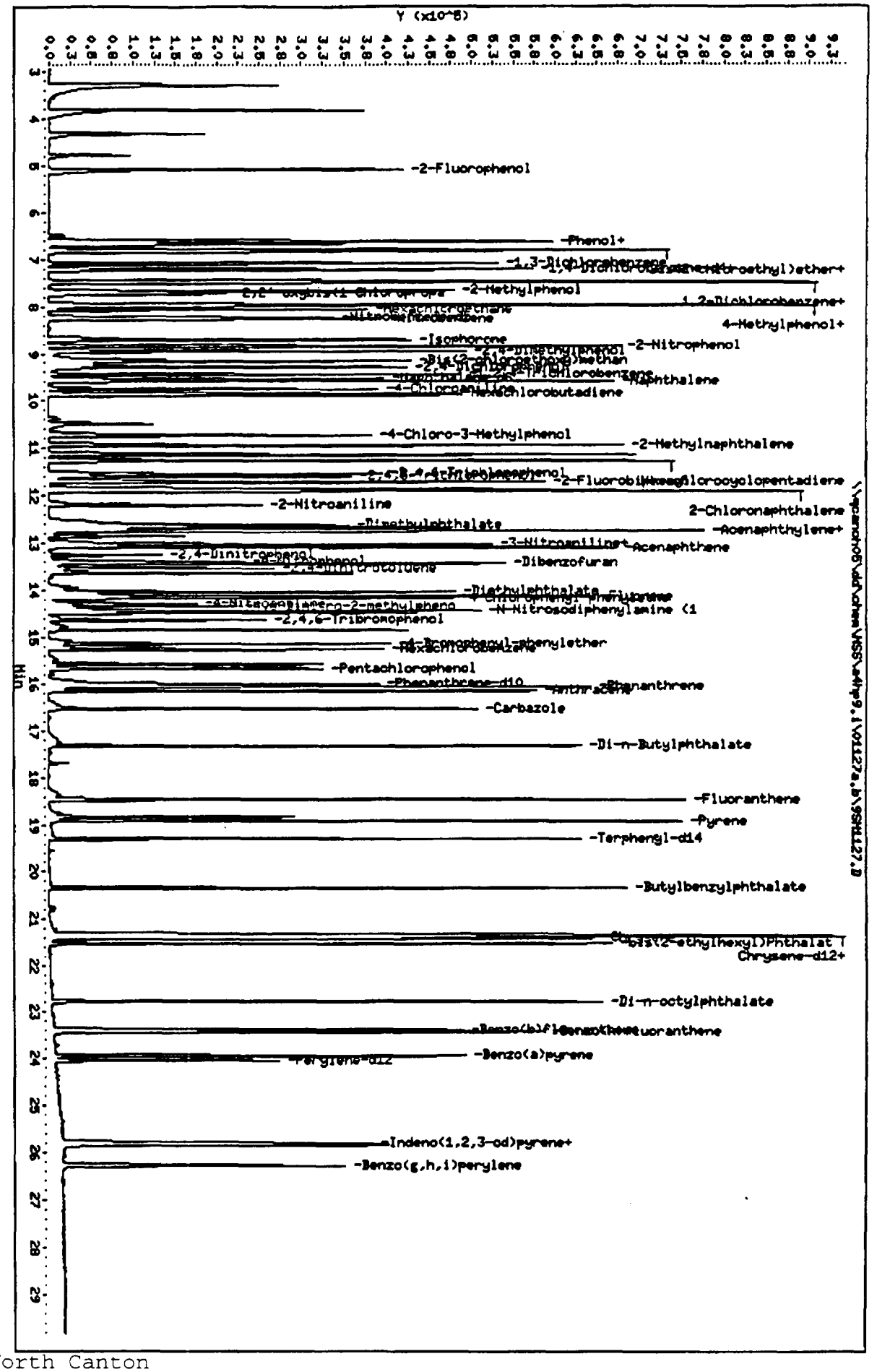
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
63 Chrysene	228	21.415	21.415	(1.002)	304047	50.0000	53
64 bis(2-ethylhexyl)Phthalate	149	21.538	21.538	(1.008)	242872	50.0000	55
65 Di-n-octylphthalate	149	22.772	22.772	(0.948)	412863	50.0000	56
66 Benzo(b)fluoranthene	252	23.371	23.371	(0.972)	318376	50.0000	51
67 Benzo(k)fluoranthene	252	23.424	23.424	(0.975)	327054	50.0000	57
68 Benzo(a)pyrene	252	23.937	23.937	(0.996)	282779	50.0000	54
69 Indeno(1,2,3-cd)pyrene	276	25.785	25.785	(1.073)	256731	50.0000	51
70 Dibenz(a,h)anthracene	278	25.828	25.828	(1.075)	242494	50.0000	53
71 Benzo(g,h,i)perylene	276	26.271	26.271	(1.093)	250763	50.0000	52
$ 72 Nitrobenzene-d5	82	8.231	8.231	(0.863)	161381	50.0000	54
$ 73 2-Fluorobiphenyl	172	11.709	11.709	(0.899)	284478	50.0000	60
$ 74 Terphenyl-d14	244	19.289	19.289	(0.903)	258895	50.0000	51
$ 75 Phenol-d5	99	6.602	6.602	(0.918)	212277	50.0000	51
$ 76 2-Fluorophenol	112	5.079	5.079	(0.707)	172698	50.0000	50
$ 77 2,4,6-Tribromophenol	330	14.631	14.631	(0.914)	37475	50.0000	54
$ 78 2-Chlorophenol-d4	132	6.805	6.805	(0.947)	149914	50.0000	53
$ 79 1,2-Dichlorobenzene-d4	152	7.472	7.472	(1.039)	101122	50.0000	53

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\pcanch05\dd\chem\HSS\a4hp9.i\01127a.b\9SH127.D
Date : 27-NOV-2000 17:26
Client ID:
Sample Info: sst080,01127a.b,olp31,1-olp90,sub,1,,3
Volume Injected (uL): 2.0
Column phase:

Instrument: a4hp9.i
Operator: 001574
Column diameter: 2.00



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STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SM1127.D
Lab Smp Id: sstd080
Inj Date : 27-NOV-2000 17:26
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd080,01127a.b,clp31,1-clp90.sub,1,,3
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\clp31.m
Meth Date : 27-Nov-2000 19:23 tapsvc Quant Type: ISTD
Cal Date : 27-NOV-2000 16:46 Cal File: 9SML1127.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * 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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.190	7.190	(1.000)	96873	40.0000	
* 2 Naphthalene-d8	136	9.541	9.541	(1.000)	323396	40.0000	
* 3 Acenaphthene-d10	164	13.029	13.029	(1.000)	187671	40.0000	(M) 2
* 4 Phenanthrene-d10	188	16.005	16.005	(1.000)	272035	40.0000	
* 5 Chrysene-d12	240	21.368	21.368	(1.000)	210744	40.0000	
* 6 Perylene-d12	264	24.034	24.034	(1.000)	162824	40.0000	
7 Phenol	94	6.629	6.629	(0.922)	354864	80.0000	84
8 Bis(2-chloroethyl)ether	93	6.800	6.800	(0.946)	278714	80.0000	84
9 2-Chlorophenol	128	6.838	6.838	(0.951)	240483	80.0000	84
10 1,3-Dichlorobenzene	146	7.089	7.089	(0.986)	264434	80.0000	83
11 1,4-Dichlorobenzene	146	7.217	7.217	(1.004)	251282	80.0000	82
12 1,2-Dichlorobenzene	146	7.500	7.500	(1.043)	215470	80.0000	83
13 2-Methylphenol	108	7.682	7.682	(1.068)	209375	80.0000	83
14 2,2'-oxybis(1-Chloropropane)	45	7.730	7.730	(1.075)	161307	80.0000	83

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
15 4-Methylphenol	108	7.976	7.976	(1.109)	208851	80.0000	83
16 N-Nitrosodinpropylamine	70	8.002	8.002	(1.113)	177506	80.0000	83
17 Hexachloroethane	117	8.066	8.066	(1.122)	93564	80.0000	82
18 Nitrobenzene	77	8.275	8.275	(0.867)	246750	80.0000	84
19 Isophorone	82	8.718	8.718	(0.914)	425755	80.0000	75
20 2-Nitrophenol	139	8.857	8.857	(0.928)	101939	80.0000	89
21 2,4-Dimethylphenol	107	8.953	8.953	(0.938)	213322	80.0000	82
22 Bis(2-chloroethoxy)methane	93	9.162	9.162	(0.960)	243466	80.0000	72
23 2,4-Dichlorophenol	162	9.290	9.290	(0.974)	170627	80.0000	83
24 1,2,4-Trichlorobenzene	180	9.450	9.450	(0.990)	184761	80.0000	82
25 Naphthalene	128	9.584	9.584	(1.004)	588672	80.0000	83
26 4-Chloroaniline	127	9.749	9.749	(1.022)	214589	80.0000	83
27 Hexachlorobutadiene	225	9.845	9.845	(1.032)	106275	80.0000	82
28 4-Chloro-3-Methylphenol	107	10.732	10.732	(1.125)	190595	80.0000	83
29 2-Methylnaphthalene	142	10.941	10.941	(1.147)	392279	80.0000	83
30 Hexachlorocyclopentadiene	237	11.272	11.272	(0.865)	115509	80.0000	82
31 2,4,6-Trichlorophenol	196	11.539	11.539	(0.886)	130876	80.0000	84
32 2,4,5-Trichlorophenol	196	11.603	11.603	(0.891)	107757	80.0000	81
33 2-Chloronaphthalene	162	11.913	11.913	(0.914)	301650	80.0000	80
34 2-Nitroaniline	65	12.196	12.196	(0.936)	82537	80.0000	80
35 Dimethylphthalate	163	12.607	12.607	(0.968)	353920	80.0000	76
36 Acenaphthylene	152	12.735	12.735	(0.977)	479937	80.0000	73
37 2,6-Dinitrotoluene	165	12.746	12.746	(0.978)	67052	80.0000	81
38 3-Nitroaniline	138	13.045	13.045	(1.001)	69270	80.0000	82
39 Acenaphthene	153	13.099	13.099	(1.005)	299641	80.0000	74
40 2,4-Dinitrophenol	184	13.259	13.259	(1.018)	35579	80.0000	86
41 4-Nitrophenol	109	13.403	13.403	(1.029)	38528	80.0000	81
42 Dibenzofuran	168	13.435	13.435	(1.031)	401041	80.0000	75
43 2,4-Dinitrotoluene	165	13.537	13.537	(1.039)	96024	80.0000	82
44 Diethylphthalate	149	14.028	14.028	(1.077)	323348	80.0000	76
45 4-Chlorophenyl-phenylether	204	14.162	14.162	(1.087)	166356	80.0000	75
46 Fluorene	166	14.130	14.130	(1.084)	334751	80.0000	75
47 4-Nitroaniline	138	14.285	14.285	(1.096)	67776	80.0000	81
48 4,6-Dinitro-2-methylphenol	198	14.338	14.338	(0.896)	59968	80.0000	89
49 N-Nitrosodiphenylamine (1)	169	14.434	14.434	(0.902)	218370	80.0000	80
50 4-Bromophenyl-phenylether	248	15.145	15.145	(0.946)	98138	80.0000	78
51 Hexachlorobenzene	284	15.262	15.262	(0.954)	108476	80.0000	77
53 Pentachlorophenol	266	15.674	15.674	(0.979)	73925	80.0000	83
54 Phenanthrene	178	16.058	16.058	(1.003)	521328	80.0000	130(H)
55 Anthracene	178	16.154	16.154	(1.009)	455006	80.0000	81
56 Carbazole	167	16.534	16.534	(1.033)	389429	80.0000	84
57 Di-n-Butylphthalate	149	17.330	17.330	(1.083)	590772	80.0000	81
58 Fluoranthene	202	18.462	18.462	(1.154)	596533	80.0000	81
59 Pyrene	202	18.911	18.911	(0.885)	609924	80.0000	81
60 Butylbenzylphthalate	149	20.364	20.364	(0.953)	285081	80.0000	83
61 3,3'-Dichlorobenzidine	252	21.368	21.368	(1.000)	149189	80.0000	81
62 Benzo(a)Anthracene	228	21.342	21.342	(0.999)	515611	80.0000	82

Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SM1127.D
Report Date: 28-Nov-2000 07:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
63 Chrysene	228	21.427	21.427	(1.003)	439904	80.0000	83
64 bis(2-ethylhexyl)Phthalate	149	21.539	21.539	(1.008)	343659	80.0000	84
65 Di-n-octylphthalate	149	22.773	22.773	(0.948)	594540	80.0000	87
66 Benzo(b)fluoranthene	252	23.382	23.382	(0.973)	478316	80.0000	84
67 Benzo(k)fluoranthene	252	23.430	23.430	(0.975)	436060	80.0000	82
68 Benzo(a)pyrene	252	23.943	23.943	(0.996)	394840	80.0000	82
69 Indeno(1,2,3-cd)pyrene	276	25.792	25.792	(1.073)	362452	80.0000	78
70 Dibenz(a,h)anthracene	278	25.834	25.834	(1.075)	338756	80.0000	81
71 Benzo(g,h,i)perylene	276	26.283	26.283	(1.094)	353975	80.0000	80
$ 72 Nitrobenzene-d5	82	8.237	8.237	(0.863)	234294	80.0000	86
$ 73 2-Fluorobiphenyl	172	11.710	11.710	(0.899)	347582	80.0000	72
$ 74 Terphenyl-d14	244	19.290	19.290	(0.903)	380528	80.0000	82
$ 75 Phenol-d5	99	6.608	6.608	(0.919)	314553	80.0000	83
$ 76 2-Fluorophenol	112	5.080	5.080	(0.707)	257272	80.0000	83
$ 77 2,4,6-Tribromophenol	330	14.632	14.632	(0.914)	56550	80.0000	83
$ 78 2-Chlorophenol-d4	132	6.806	6.806	(0.947)	213534	80.0000	83
$ 79 1,2-Dichlorobenzene-d4	152	7.468	7.468	(1.039)	140401	80.0000	82

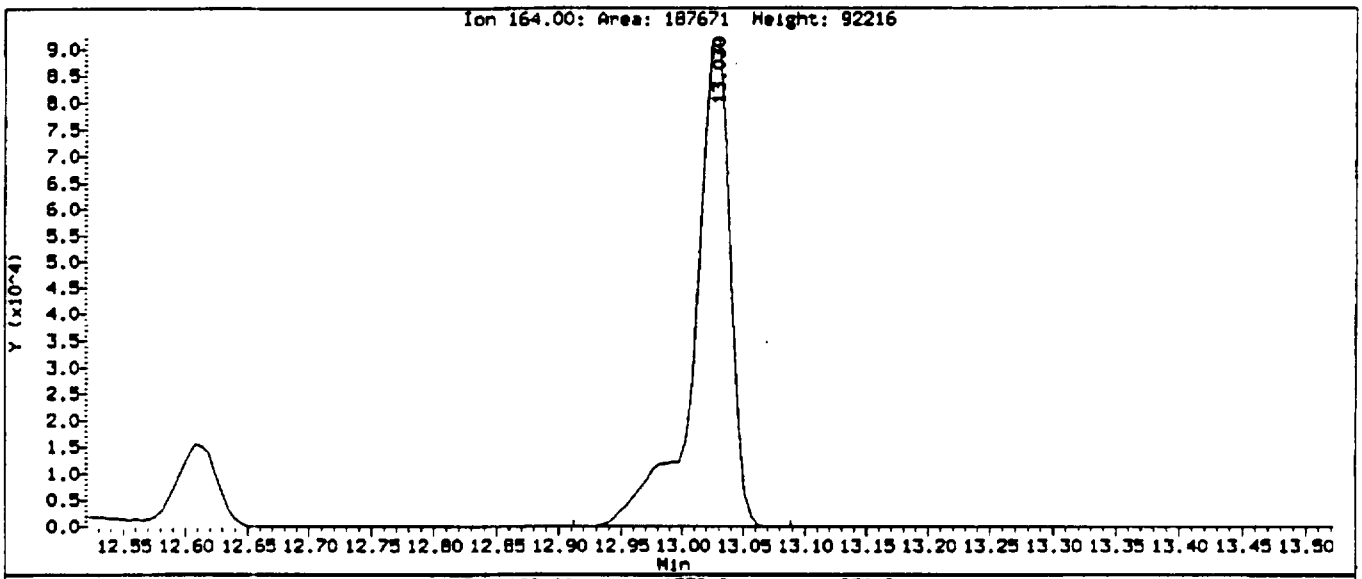
QC Flag Legend

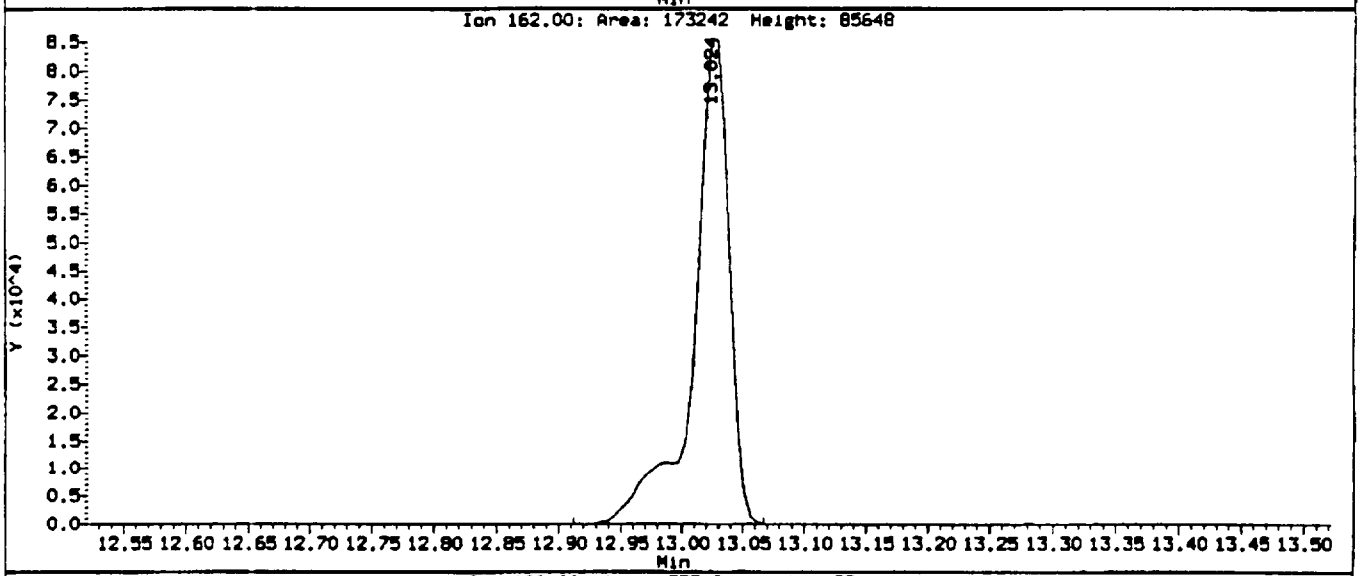
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

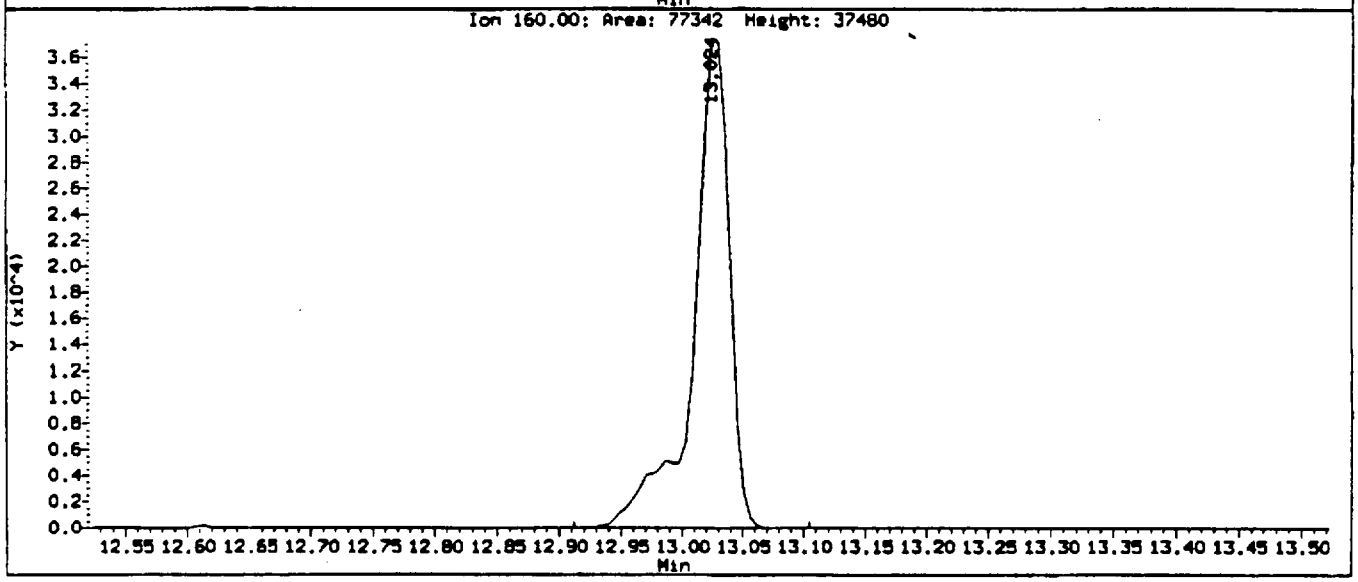
MANUAL EDIT CODES
1. PEAK NOT FOUND
2. POOR CHROMATOGRAPHY
3. WRONG ISOMER
4. LOWFIT
MANUALLY EDITED BY:
ANALYST: _____
DATE: 11-28-00

Data File: \\qcanph05\dd\chem\MSS\a4hp9.i\01127a.b\9SM1127.D
Injection Date: 27-NOV-2000 17:26
Instrument: a4hp9.i
Client Sample ID:

Compound: Acenaphthene-d10
CAS Number: 15067-26-2

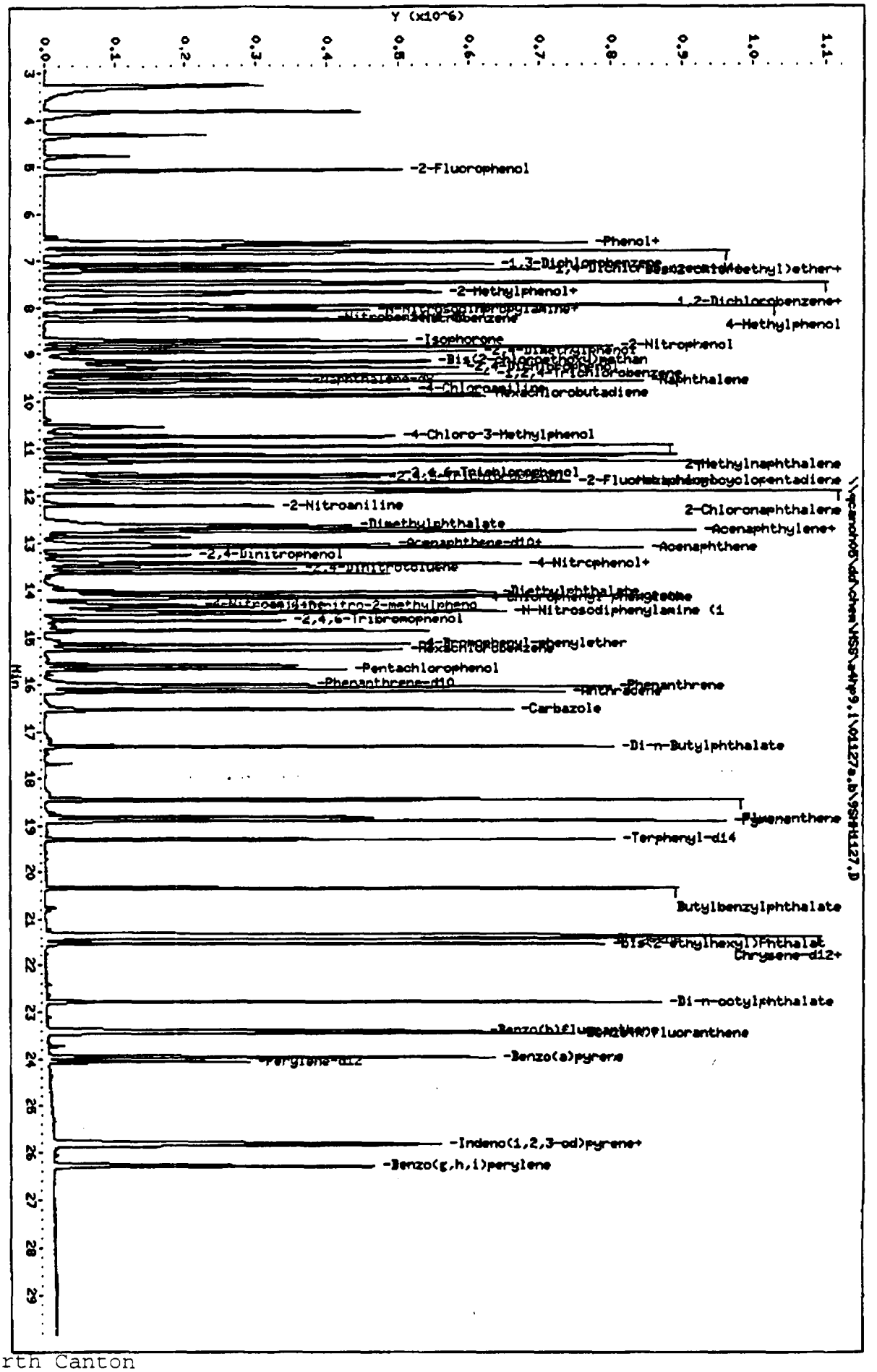






Data File: \\pcandh05\dd\chem\HSS\s4hp9.i\01127a.b\SSH1127.D
Date : 27-NOV-2000 18:06
Client ID:
Sample Info: sstd120,01127a.b,olp31,1-olp90,sub,1,,4
Volume Injected (uL): 2.0
Column phase:

Instrument: s4hp9.i
Operator: 001574
Column diameter: 2.00



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STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SMH1127.D
Lab Smp Id: sstd120
Inj Date : 27-NOV-2000 18:06
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd120,01127a.b,clp31,1-clp90.sub,1,,4
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\clp31.m
Meth Date : 27-Nov-2000 19:23 tapsvc Quant Type: ISTD
Cal Date : 27-NOV-2000 16:46 Cal File: 9SML1127.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * 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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.192	7.192	(1.000)	92199	40.0000	
* 2 Naphthalene-d8	136	9.548	9.548	(1.000)	306594	40.0000	
* 3 Acenaphthene-d10	164	13.031	13.031	(1.000)	175973	40.0000	
* 4 Phenanthrene-d10	188	16.012	16.012	(1.000)	273204	40.0000	
* 5 Chrysene-d12	240	21.375	21.375	(1.000)	203556	40.0000	
* 6 Perylene-d12	264	24.041	24.041	(1.000)	172372	40.0000	
7 Phenol	94	6.642	6.642	(0.924)	493586	120.000	120
8 Bis(2-chloroethyl)ether	93	6.807	6.807	(0.947)	372727	120.000	120
9 2-Chlorophenol	128	6.840	6.840	(0.951)	321060	120.000	120
10 1,3-Dichlorobenzene	146	7.096	7.096	(0.987)	356505	120.000	120
11 1,4-Dichlorobenzene	146	7.219	7.219	(1.004)	336819	120.000	120
12 1,2-Dichlorobenzene	146	7.502	7.502	(1.043)	274019	120.000	110
13 2-Methylphenol	108	7.689	7.689	(1.069)	278377	120.000	120
14 2,2'-oxybis(1-Chloropropane)	45	7.732	7.732	(1.075)	220640	120.000	120

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
15 4-Methylphenol	108	7.988	7.988	(1.111)	277496	120.000	120
16 N-Nitrosodinpropylamine	70	8.026	8.026	(1.116)	230199	120.000	110
17 Hexachloroethane	117	8.068	8.068	(1.122)	122578	120.000	110
18 Nitrobenzene	77	8.282	8.282	(0.867)	325934	120.000	120
19 Isophorone	82	8.731	8.731	(0.914)	640849	120.000	120
20 2-Nitrophenol	139	8.864	8.864	(0.928)	139511	120.000	130
21 2,4-Dimethylphenol	107	8.966	8.966	(0.939)	281394	120.000	110
22 Bis(2-chloroethoxy)methane	93	9.169	9.169	(0.960)	385023	120.000	120
23 2,4-Dichlorophenol	162	9.302	9.302	(0.974)	226778	120.000	120
24 1,2,4-Trichlorobenzene	180	9.452	9.452	(0.990)	243958	120.000	110
25 Naphthalene	128	9.591	9.591	(1.004)	762494	120.000	110
26 4-Chloroaniline	127	9.756	9.756	(1.022)	296612	120.000	120
27 Hexachlorobutadiene	225	9.847	9.847	(1.031)	137360	120.000	110
28 4-Chloro-3-Methylphenol	107	10.745	10.745	(1.125)	259405	120.000	120
29 2-Methylnaphthalene	142	10.942	10.942	(1.146)	522986	120.000	120
30 Hexachlorocyclopentadiene	237	11.279	11.279	(0.866)	146785	120.000	110
31 2,4,6-Trichlorophenol	196	11.546	11.546	(0.886)	172866	120.000	120
32 2,4,5-Trichlorophenol	196	11.615	11.615	(0.891)	151488	120.000	120
33 2-Chloronaphthalene	162	11.920	11.920	(0.915)	379860	120.000	110
34 2-Nitroaniline	65	12.208	12.208	(0.937)	122982	120.000	130
35 Dimethylphthalate	163	12.620	12.620	(0.968)	511786	120.000	120
36 Acenaphthylene	152	12.737	12.737	(0.977)	695159	120.000	110
37 2,6-Dinitrotoluene	165	12.759	12.759	(0.979)	97684	120.000	120
38 3-Nitroaniline	138	13.058	13.058	(1.002)	106182	120.000	130
39 Acenaphthene	153	13.106	13.106	(1.006)	447596	120.000	120
40 2,4-Dinitrophenol	184	13.271	13.271	(1.018)	61414	120.000	160
41 4-Nitrophenol	109	13.421	13.421	(1.030)	55417	120.000	120
42 Dibenzofuran	168	13.442	13.442	(1.032)	589448	120.000	120
43 2,4-Dinitrotoluene	165	13.549	13.549	(1.040)	141334	120.000	130
44 Diethylphthalate	149	14.041	14.041	(1.077)	459380	120.000	110
45 4-Chlorophenyl-phenylether	204	14.169	14.169	(1.087)	237863	120.000	110
46 Fluorene	166	14.137	14.137	(1.085)	493084	120.000	120
47 4-Nitroaniline	138	14.308	14.308	(1.098)	102866	120.000	130
48 4,6-Dinitro-2-methylphenol	198	14.351	14.351	(0.896)	94601	120.000	140
49 N-Nitrosodiphenylamine (1)	169	14.447	14.447	(0.902)	304867	120.000	110
50 4-Bromophenyl-phenylether	248	15.152	15.152	(0.946)	139390	120.000	110
51 Hexachlorobenzene	284	15.269	15.269	(0.954)	164556	120.000	120
53 Pentachlorophenol	266	15.681	15.681	(0.979)	108045	120.000	120
54 Phenanthrene	178	16.065	16.065	(1.003)	665856	120.000	130(H)
55 Anthracene	178	16.167	16.167	(1.010)	624464	120.000	110
56 Carbazole	167	16.541	16.541	(1.033)	561525	120.000	120
57 Di-n-Butylphthalate	149	17.337	17.337	(1.083)	822408	120.000	110
58 Fluoranthene	202	18.469	18.469	(1.153)	856717	120.000	120
59 Pyrene	202	18.918	18.918	(0.885)	860040	120.000	120
60 Butylbenzylphthalate	149	20.366	20.366	(0.953)	399315	120.000	120
61 3,3'-Dichlorobenzidine	252	21.381	21.381	(1.000)	213797	120.000	120
62 Benzo(a)Anthracene	228	21.349	21.349	(0.999)	748962	120.000	120

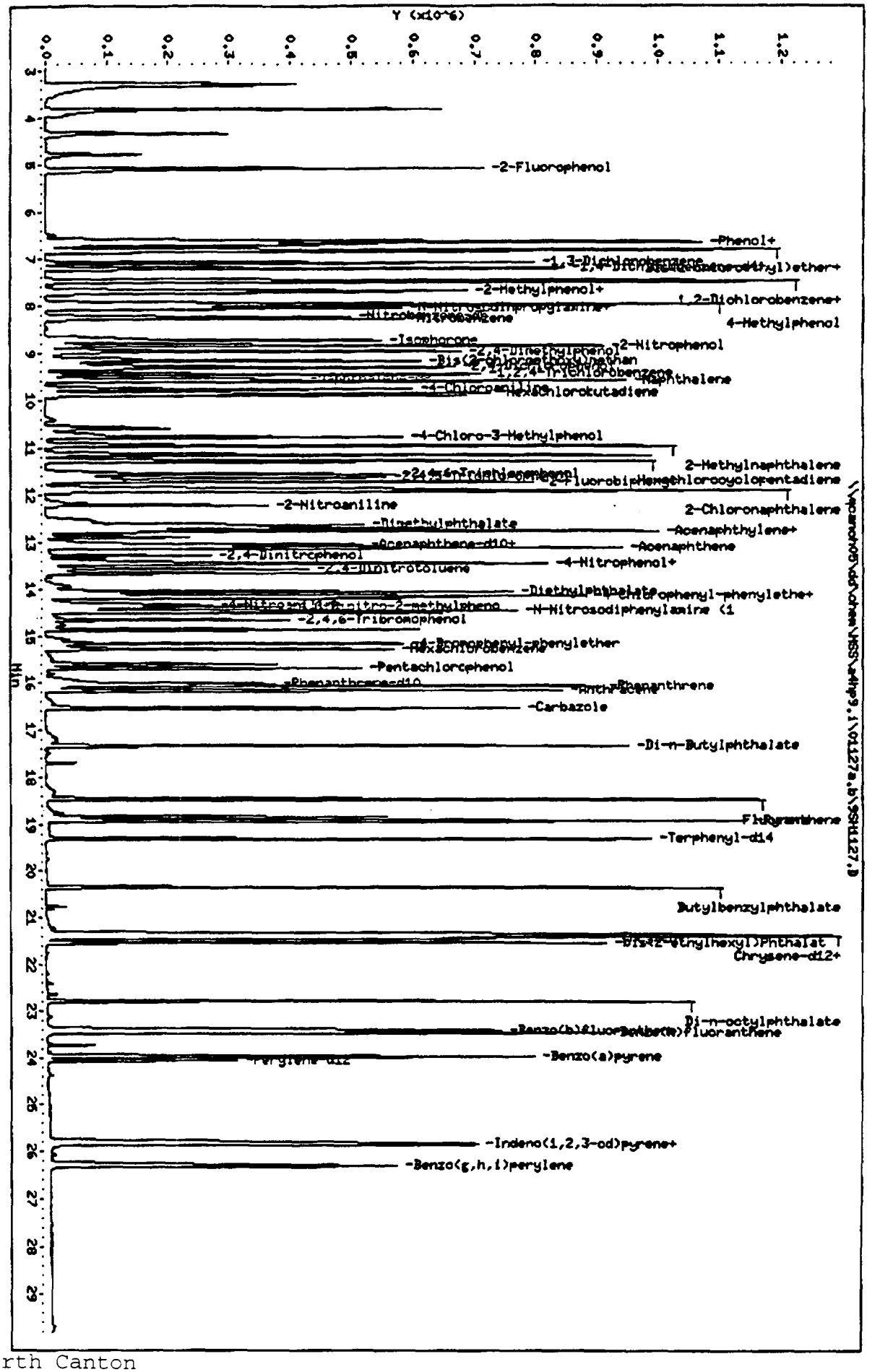
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
63 Chrysene	228	21.440	21.440	(1.003)	598437	120.000	120
64 bis(2-ethylhexyl)Phthalate	149	21.546	21.546	(1.008)	438549	120.000	110
65 Di-n-octylphthalate	149	22.780	22.780	(0.948)	802567	120.000	110
66 Benzo(b)fluoranthene	252	23.389	23.389	(0.973)	700771	120.000	120
67 Benzo(k)fluoranthene	252	23.443	23.443	(0.975)	633074	120.000	110
68 Benzo(a)pyrene	252	23.956	23.956	(0.996)	582021	120.000	110
69 Indeno(1,2,3-cd)pyrene	276	25.809	25.809	(1.074)	584106	120.000	120
70 Dibenz(a,h)anthracene	278	25.852	25.852	(1.075)	515630	120.000	120
71 Benzo(g,h,i)perylene	276	26.301	26.301	(1.094)	555276	120.000	120
$ 72 Nitrobenzene-d5	82	8.245	8.245	(0.863)	308418	120.000	120
$ 73 2-Fluorobiphenyl	172	11.717	11.717	(0.899)	512520	120.000	110
$ 74 Terphenyl-d14	244	19.297	19.297	(0.903)	545174	120.000	120
$ 75 Phenol-d5	99	6.621	6.621	(0.921)	443125	120.000	120
$ 76 2-Fluorophenol	112	5.082	5.082	(0.707)	360969	120.000	120
$ 77 2,4,6-Tribromophenol	330	14.644	14.644	(0.915)	82315	120.000	120
$ 78 2-Chlorophenol-d4	132	6.813	6.813	(0.947)	290534	120.000	120
$ 79 1,2-Dichlorobenzene-d4	152	7.475	7.475	(1.039)	182867	120.000	110

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\pcanoh05\dd\chem\HSS\a4hp9.i\01127a.b\9SH1127.D
Date : 27-NOV-2000 18:46
Client ID:
Sample Info: sstd160,01127a.b,olp31.1-olp90,sub.1,,5
Volume Injected (uL): 2.0
Column phase:

Instrument: a4hp9.i
Operator: 001574
Column diameter: 2.00



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STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\9SH1127.D
Lab Smp Id: sstd160
Inj Date : 27-NOV-2000 18:46
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd160,01127a.b,clp31,1-clp90.sub,1,,5
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\clp31.m
Meth Date : 27-Nov-2000 19:23 tapsvc Quant Type: ISTD
Cal Date : 27-NOV-2000 16:46 Cal File: 9SML1127.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * 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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.196	7.196	(1.000)	94878	40.0000	
* 2 Naphthalene-d8	136	9.551	9.551	(1.000)	315893	40.0000	
* 3 Acenaphthene-d10	164	13.035	13.035	(1.000)	184912	40.0000	
* 4 Phenanthrene-d10	188	16.015	16.015	(1.000)	275204	40.0000	
* 5 Chrysene-d12	240	21.379	21.379	(1.000)	212832	40.0000	
* 6 Perylene-d12	264	24.045	24.045	(1.000)	197922	40.0000	
7 Phenol	94	6.661	6.661	(0.926)	689151	160.000	170
8 Bis(2-chloroethyl)ether	93	6.816	6.816	(0.947)	489128	160.000	150
9 2-Chlorophenol	128	6.848	6.848	(0.952)	425942	160.000	150
10 1,3-Dichlorobenzene	146	7.099	7.099	(0.987)	475118	160.000	150
11 1,4-Dichlorobenzene	146	7.228	7.228	(1.004)	440693	160.000	150
12 1,2-Dichlorobenzene	146	7.505	7.505	(1.043)	341555	160.000	130
13 2-Methylphenol	108	7.698	7.698	(1.070)	368905	160.000	150
14 2,2'-oxybis(1-Chloropropane)	45	7.740	7.740	(1.076)	303775	160.000	160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
15 4-Methylphenol	108	8.002	8.002	(1.112)	368623	160.000	150(M) 2
16 N-Nitrosodinpropylamine	70	8.045	8.045	(1.118)	301444	160.000	140
17 Hexachloroethane	117	8.072	8.072	(1.122)	156012	160.000	140
18 Nitrobenzene	77	8.291	8.291	(0.868)	427419	160.000	150
19 Isophorone	82	8.745	8.745	(0.916)	673641	160.000	160(M) 2
20 2-Nitrophenol	139	8.873	8.873	(0.929)	190471	160.000	170
21 2,4-Dimethylphenol	107	8.974	8.974	(0.940)	375459	160.000	150
22 Bis(2-chloroethoxy)methane	93	9.177	9.177	(0.961)	519114	160.000	160(M) 2
23 2,4-Dichlorophenol	162	9.311	9.311	(0.975)	306867	160.000	150
24 1,2,4-Trichlorobenzene	180	9.455	9.455	(0.990)	329412	160.000	150
25 Naphthalene	128	9.594	9.594	(1.004)	999920	160.000	140
26 4-Chloroaniline	127	9.765	9.765	(1.022)	403308	160.000	160
27 Hexachlorobutadiene	225	9.851	9.851	(1.031)	181562	160.000	140
28 4-Chloro-3-Methylphenol	107	10.759	10.759	(1.126)	346859	160.000	150(M) 2
29 2-Methylnaphthalene	142	10.951	10.951	(1.147)	697653	160.000	150
30 Hexachlorocyclopentadiene	237	11.282	11.282	(0.866)	195169	160.000	140
31 2,4,6-Trichlorophenol	196	11.560	11.560	(0.887)	252372	160.000	160
32 2,4,5-Trichlorophenol	196	11.630	11.630	(0.892)	189085	160.000	140
33 2-Chloronaphthalene	162	11.929	11.929	(0.915)	483739	160.000	130
34 2-Nitroaniline	65	12.217	12.217	(0.937)	144191	160.000	140
35 Dimethylphthalate	163	12.623	12.623	(0.968)	645617	160.000	140
36 Acenaphthylene	152	12.751	12.751	(0.978)	905592	160.000	140
37 2,6-Dinitrotoluene	165	12.773	12.773	(0.980)	130662	160.000	160(M) 2
38 3-Nitroaniline	138	13.072	13.072	(1.003)	134730	160.000	160
39 Acenaphthene	153	13.115	13.115	(1.006)	593471	160.000	140(M) 2
40 2,4-Dinitrophenol	184	13.280	13.280	(1.019)	89150	160.000	210(A)
41 4-Nitrophenol	109	13.441	13.441	(1.031)	64469	160.000	130
42 Dibenzofuran	168	13.451	13.451	(1.032)	763419	160.000	140(M) 2
43 2,4-Dinitrotoluene	165	13.563	13.563	(1.041)	185263	160.000	160
44 Diethylphthalate	149	14.055	14.055	(1.078)	562915	160.000	130
45 4-Chlorophenyl-phenylether	204	14.178	14.178	(1.088)	328892	160.000	150(M) 2
46 Fluorene	166	14.140	14.140	(1.085)	632695	160.000	140(M) 2
47 4-Nitroaniline	138	14.327	14.327	(1.099)	133197	160.000	160(M) 2
48 4,6-Dinitro-2-methylphenol	198	14.370	14.370	(0.897)	130648	160.000	190
49 N-Nitrosodiphenylamine (1)	169	14.456	14.456	(0.903)	379328	160.000	140
50 4-Bromophenyl-phenylether	248	15.161	15.161	(0.947)	207314	160.000	160(M) 2
51 Hexachlorobenzene	284	15.278	15.278	(0.954)	224738	160.000	160(M) 2
53 Pentachlorophenol	266	15.690	15.690	(0.980)	142706	160.000	160
54 Phenanthrene	178	16.074	16.074	(1.004)	896122	160.000	600(AH)
55 Anthracene	178	16.176	16.176	(1.010)	793932	160.000	140
56 Carbazole	167	16.550	16.550	(1.033)	733517	160.000	160
57 Di-n-Butylphthalate	149	17.346	17.346	(1.083)	1050103	160.000	140
58 Fluoranthene	202	18.478	18.478	(1.154)	1153050	160.000	160
59 Pyrene	202	18.927	18.927	(0.885)	1145788	160.000	150
60 Butylbenzylphthalate	149	20.375	20.375	(0.953)	538301	160.000	160
61 3,3'-Dichlorobenzidine	252	21.390	21.390	(1.000)	286302	160.000	150
62 Benzo(a)Anthracene	228	21.358	21.358	(0.999)	1038673	160.000	160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
63 Chrysene	228	21.448	21.448	(1.003)	798719	160.000	150
64 bis(2-ethylhexyl)Phthalate	149	21.550	21.550	(1.008)	553265	160.000	130
65 Di-n-octylphthalate	149	22.789	22.789	(0.948)	1081798	160.000	130
66 Benzo(b)fluoranthene	252	23.404	23.404	(0.973)	1056349	160.000	150
67 Benzo(k)fluoranthene	252	23.457	23.457	(0.976)	826315	160.000	130
68 Benzo(a)pyrene	252	23.965	23.965	(0.997)	826463	160.000	140
69 Indeno(1,2,3-cd)pyrene	276	25.818	25.818	(1.074)	883778	160.000	160
70 Dibenz(a,h)anthracene	278	25.866	25.866	(1.076)	728748	160.000	140
71 Benzo(g,h,i)perylene	276	26.315	26.315	(1.094)	812741	160.000	150
$ 72 Nitrobenzene-d5	82	8.253	8.253	(0.864)	409705	160.000	150
$ 73 2-Fluorobiphenyl	172	11.726	11.726	(0.900)	673714	160.000	140
$ 74 Terphenyl-d14	244	19.306	19.306	(0.903)	722111	160.000	150
$ 75 Phenol-d5	99	6.635	6.635	(0.922)	622369	160.000	170
$ 76 2-Fluorophenol	112	5.091	5.091	(0.708)	511942	160.000	170
$ 77 2,4,6-Tribromophenol	330	14.653	14.653	(0.915)	108817	160.000	160
$ 78 2-Chlorophenol-d4	132	6.822	6.822	(0.948)	385828	160.000	150
$ 79 1,2-Dichlorobenzene-d4	152	7.479	7.479	(1.039)	237020	160.000	140

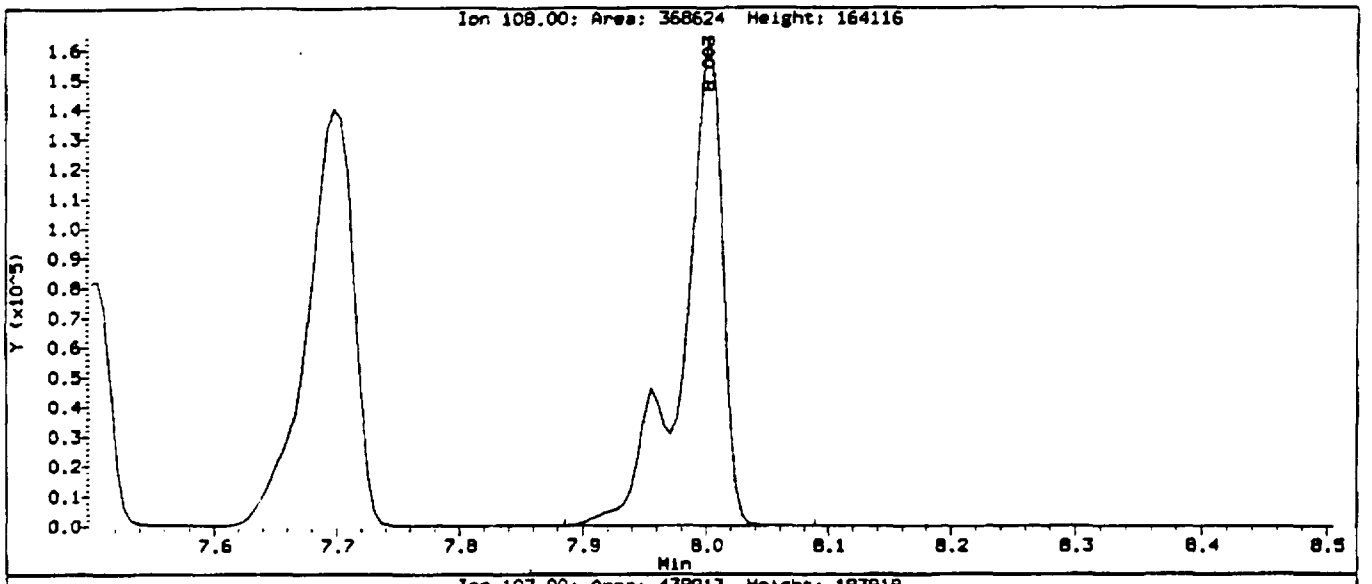
QC Flag Legend

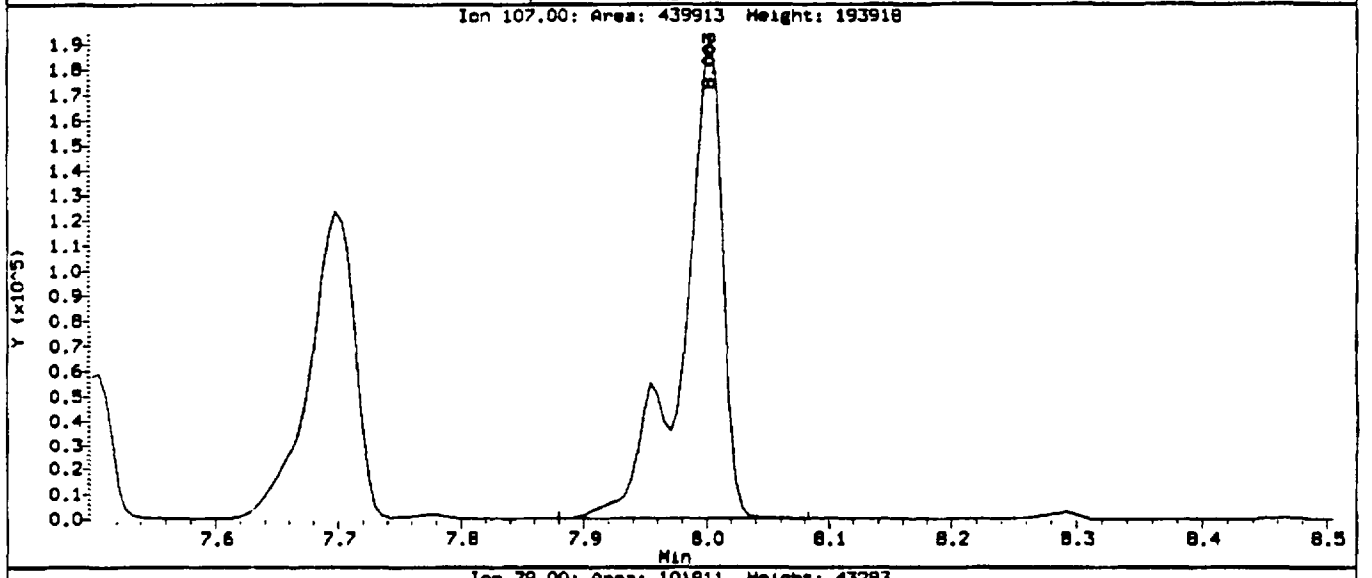
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

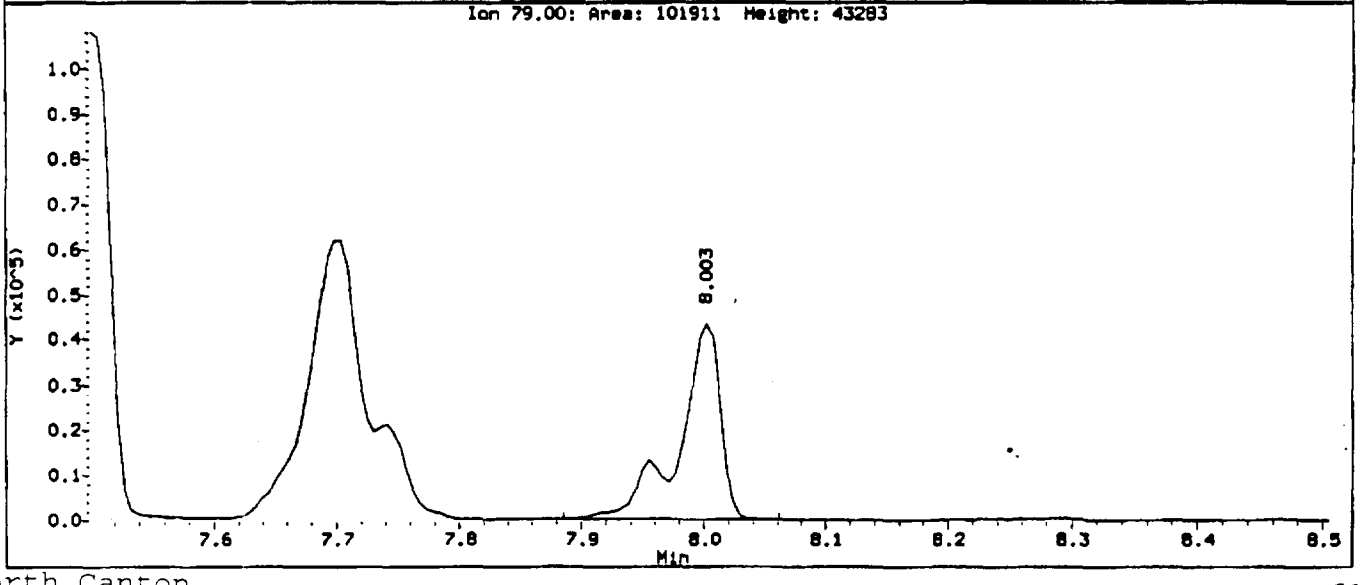
CODES
FOUND
CHROMATOGRAPHY
ISOMER
ENTERED BY:
11-28-00

Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01127a.b\95H1127.D
Injection Date: 27-NOV-2000 18:46
Instrument: a4hp9.i
Client Sample ID:

Compound: 4-Methylphenol
CAS Number: 106-44-5







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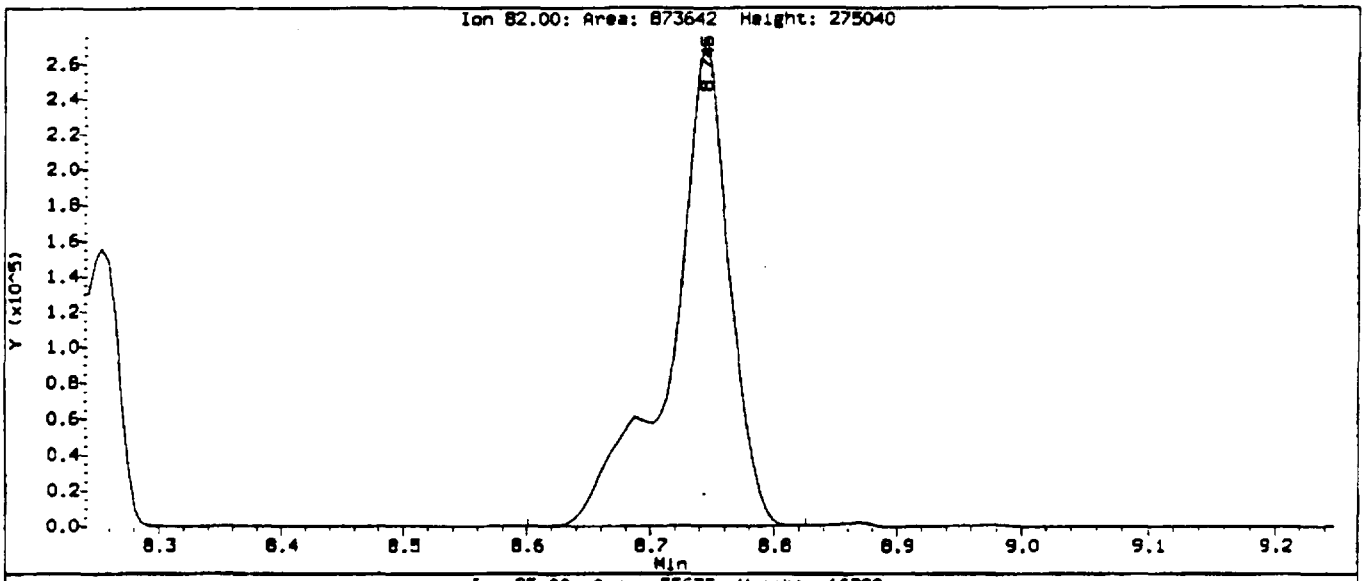
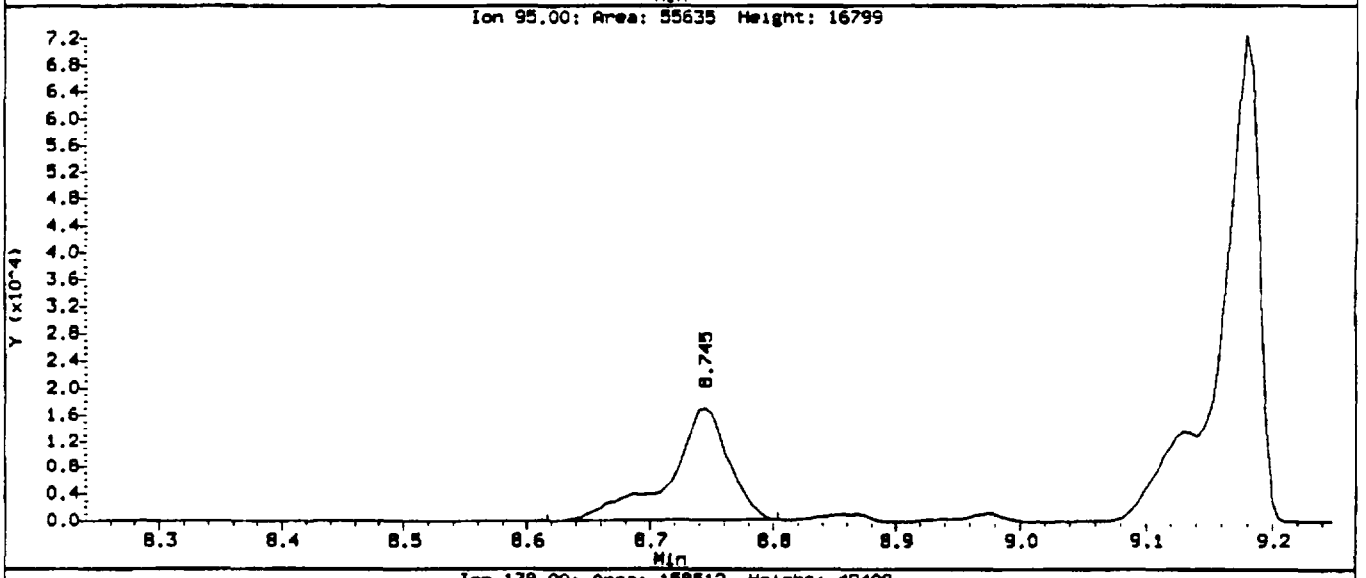
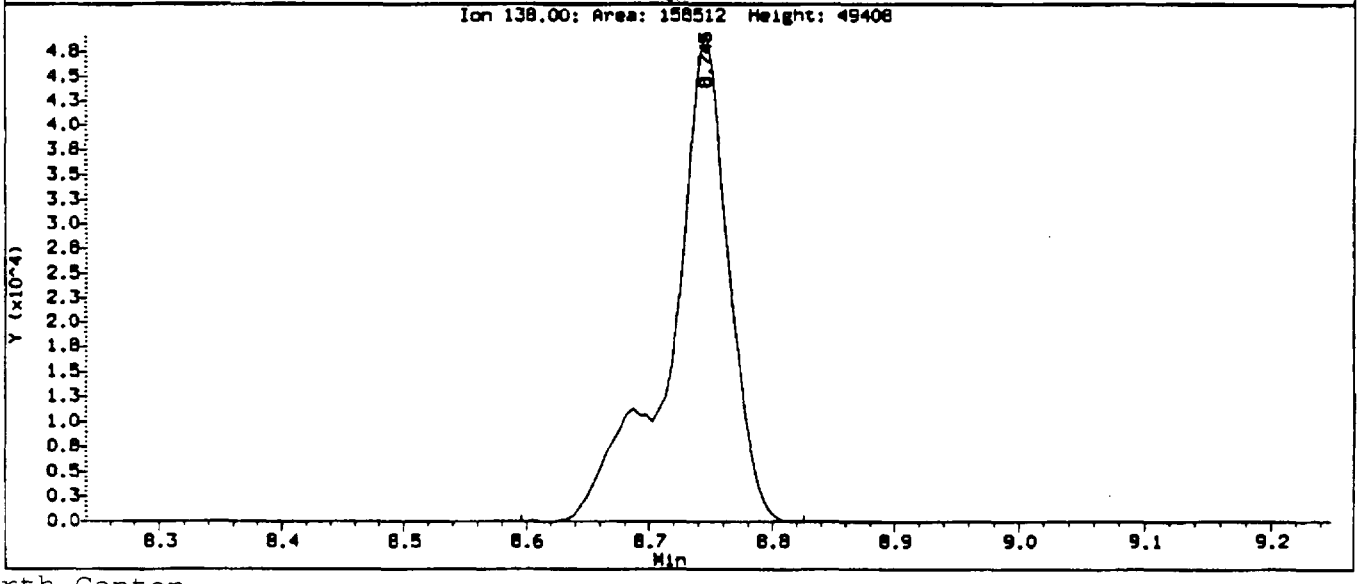
Client Sample ID:

Compound: Isophorone
CAS Number: 78-59-1







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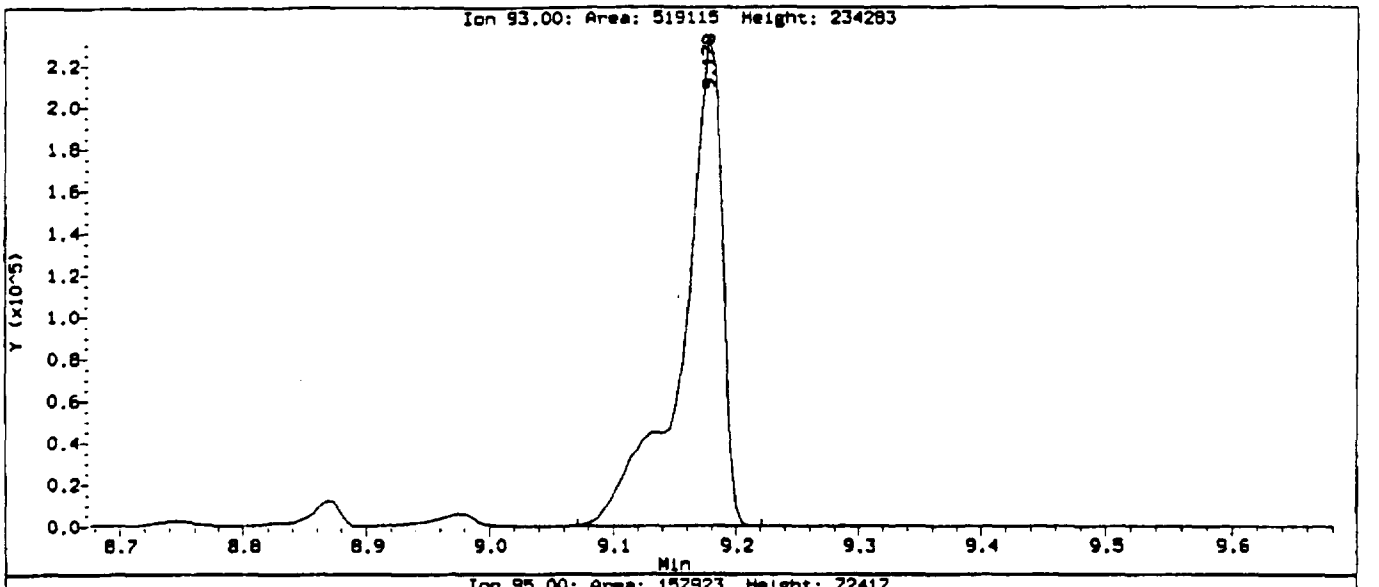
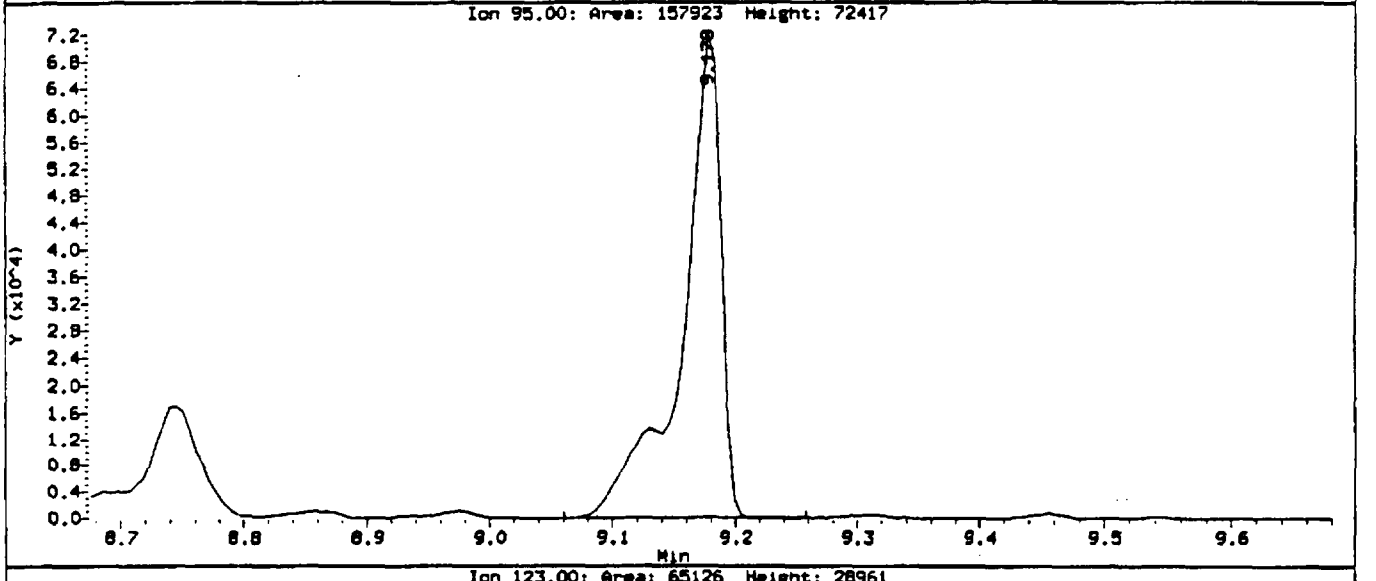
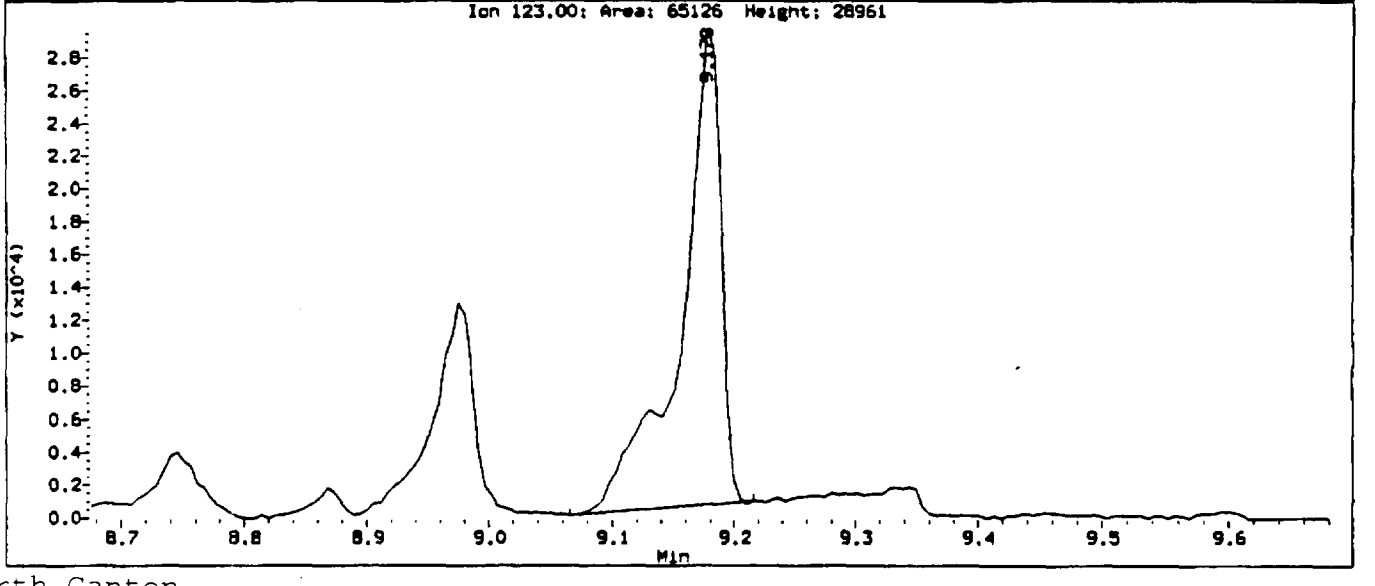
Instrument: a4hp9.i
Client Sample ID:

Compound: Bis(2-chloroethoxy)methane
CAS Number: 111-91-1







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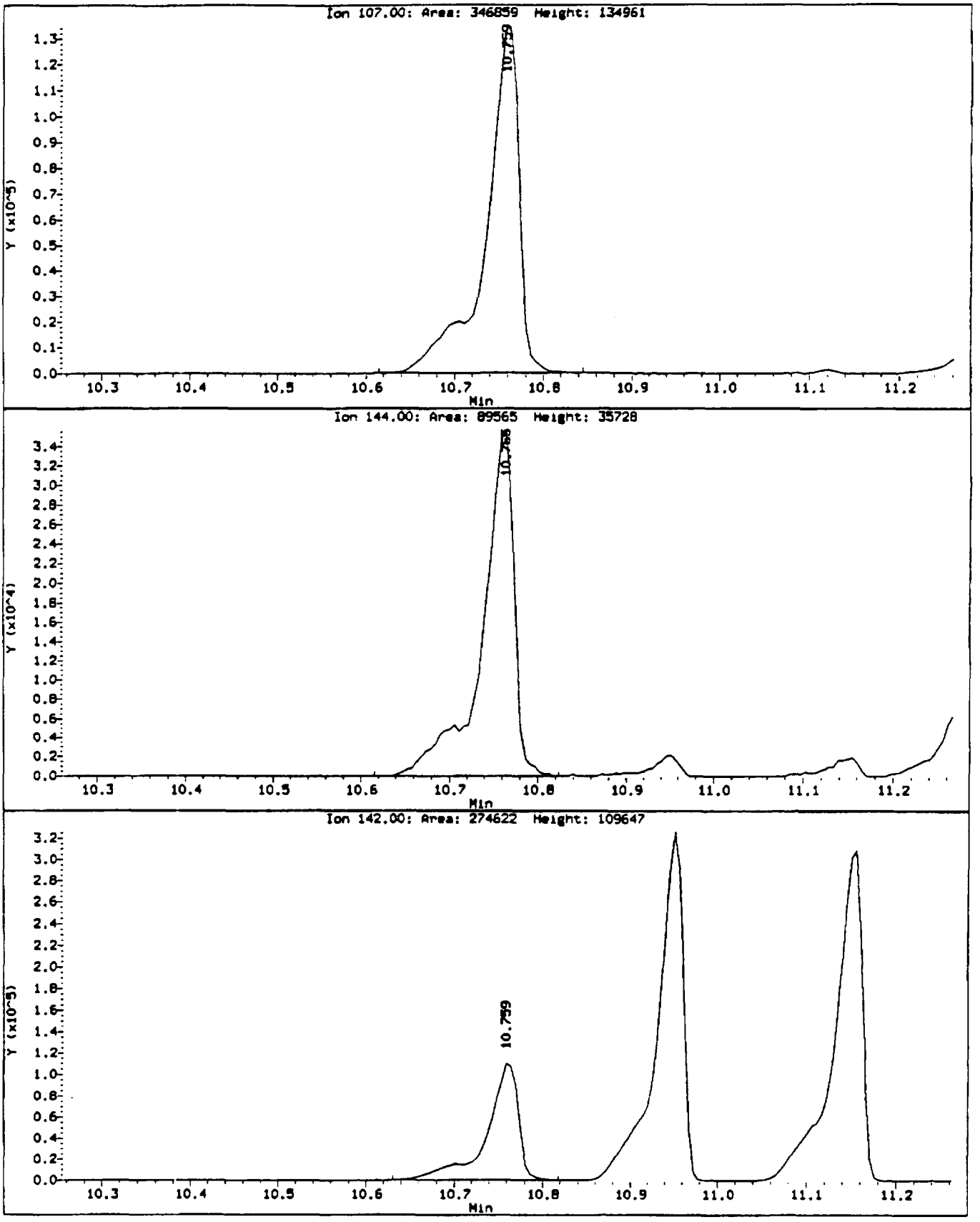
Instrument: a4hp9.i
Client Sample ID:

Compound: 4-Chloro-3-Methylphenol
CAS Number: 59-50-7



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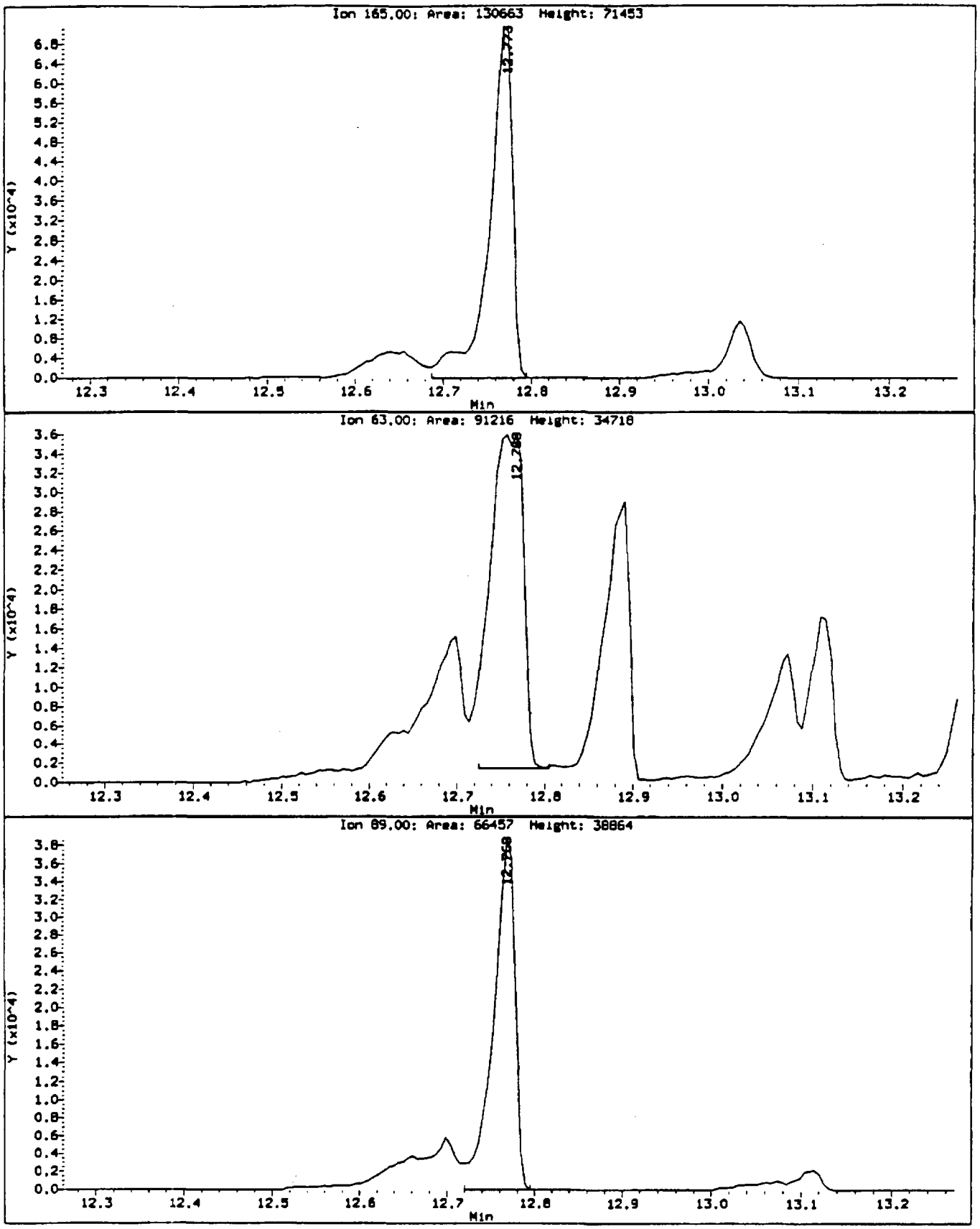
Instrument: a4hp9.i
Client Sample ID:

Compound: 2,6-Dinitrotoluene
CAS Number: 606-20-2



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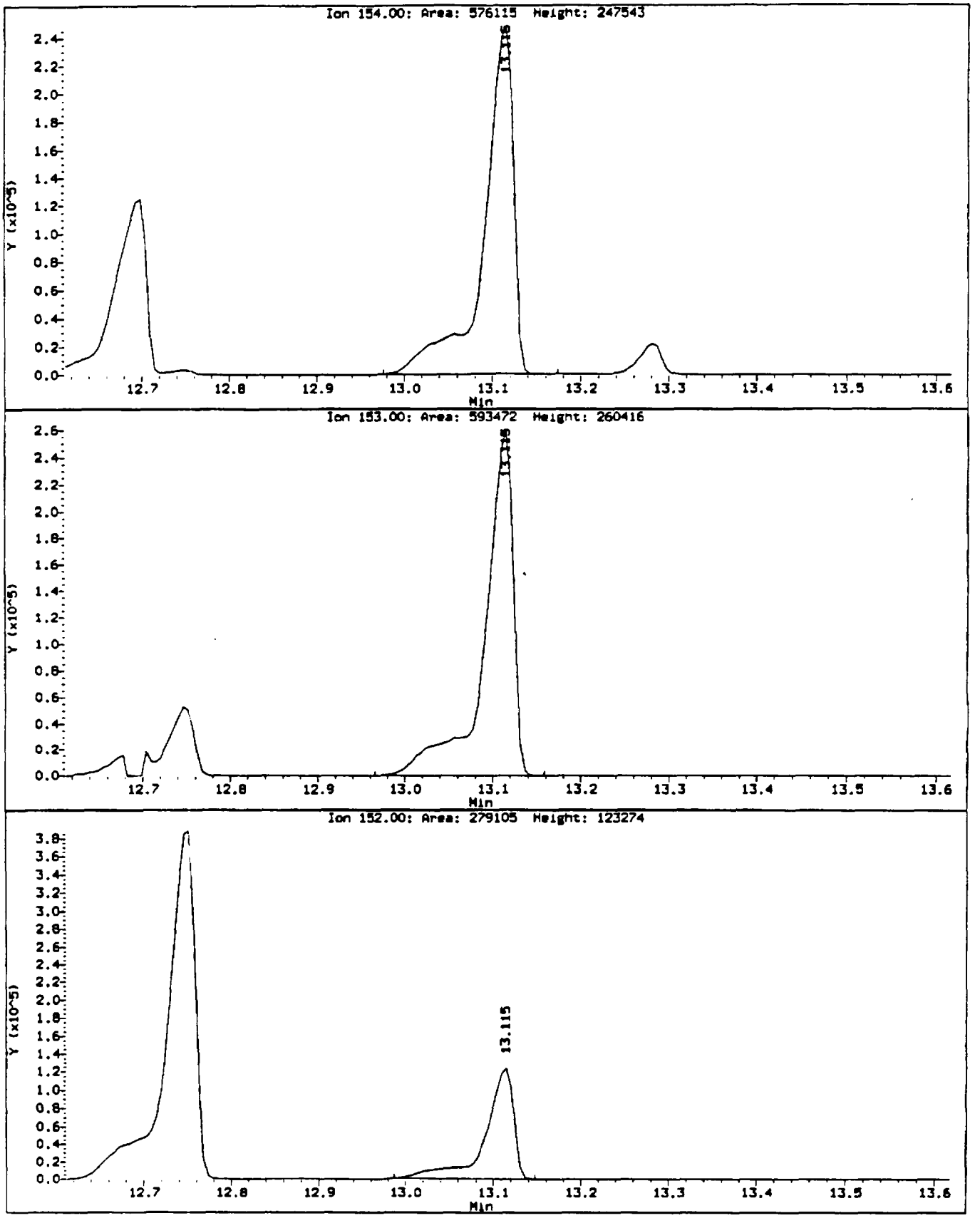
Instrument: a4hp9.i
Client Sample ID:

Compound: Acenaphthene
CAS Number: 83-32-9



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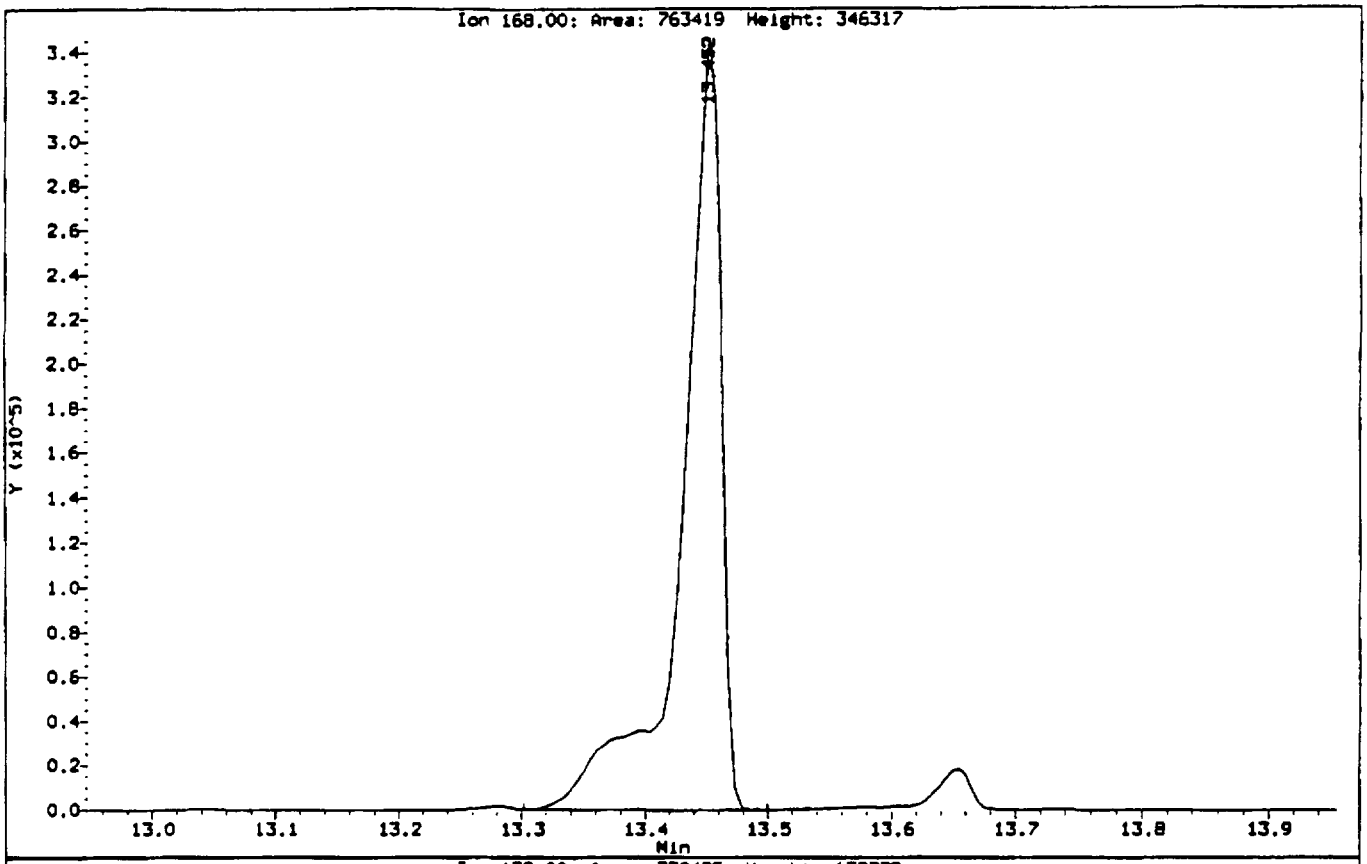
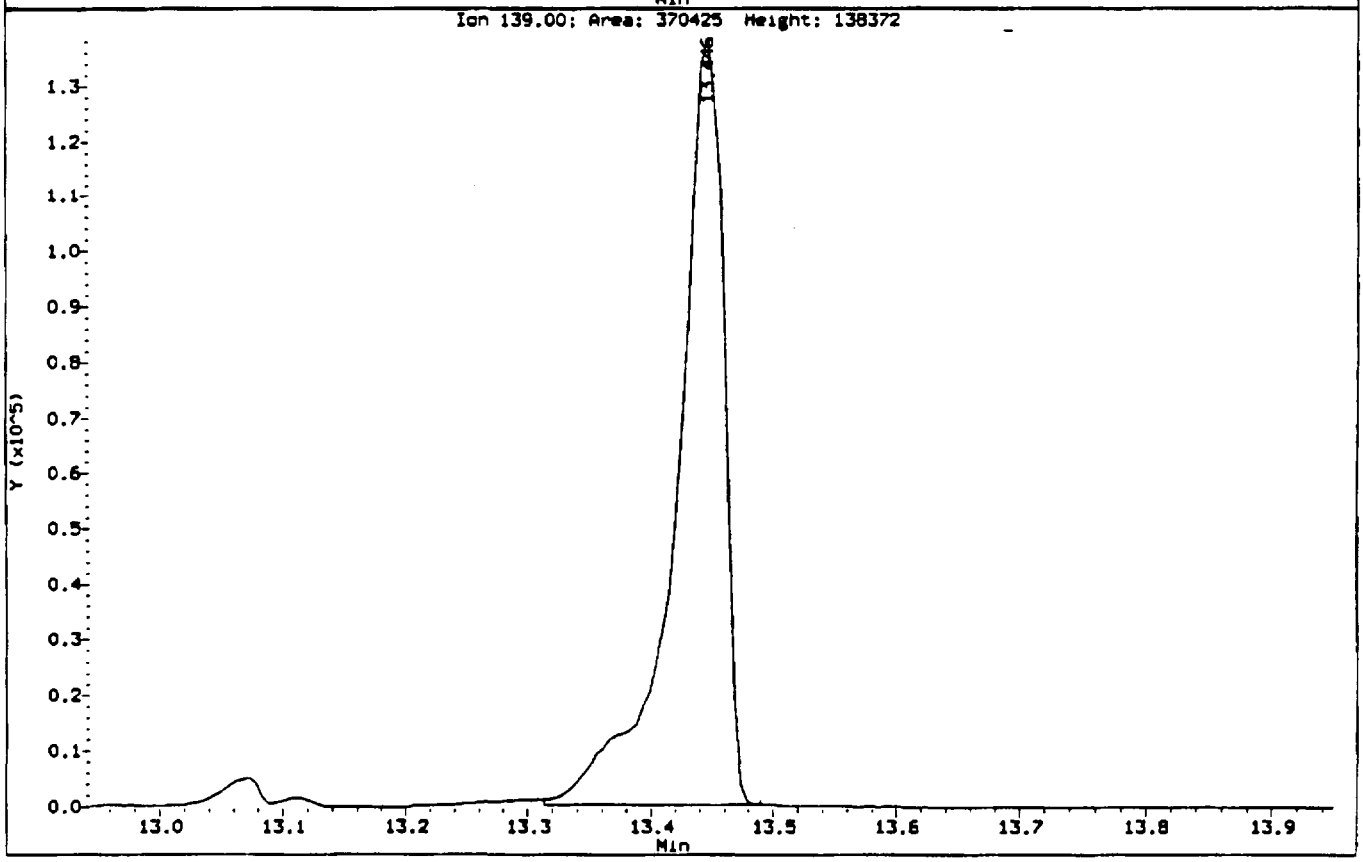
Instrument: a4hp9.1
Client Sample ID:

Compound: Dibenzofuran
CAS Number: 132-64-9





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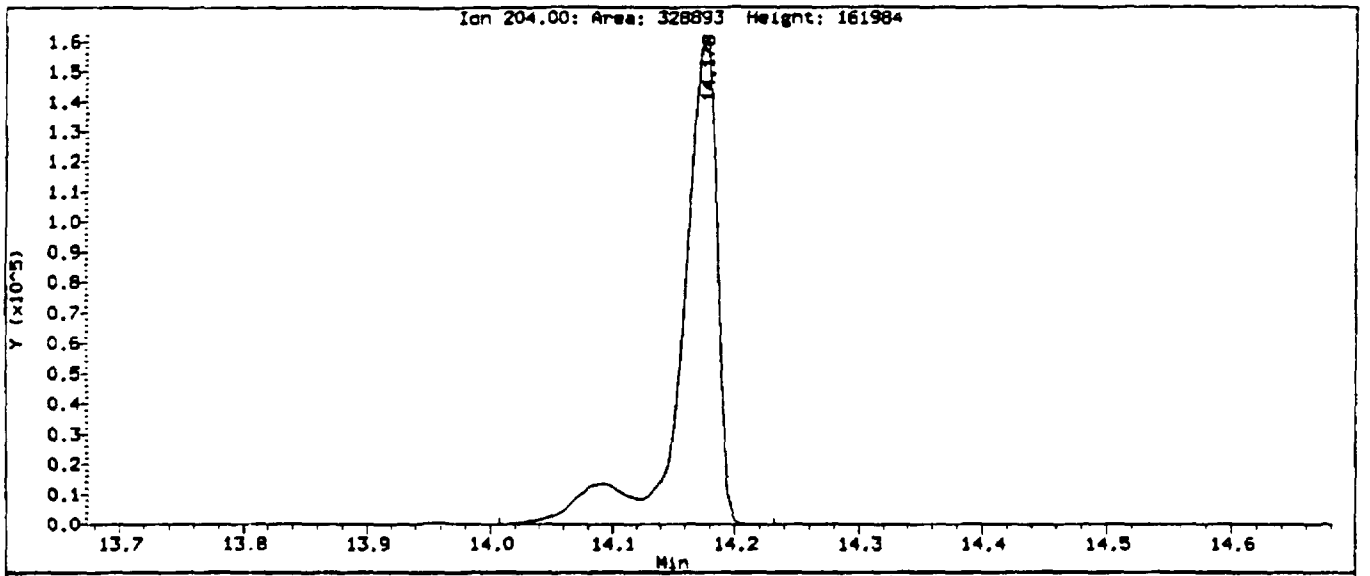
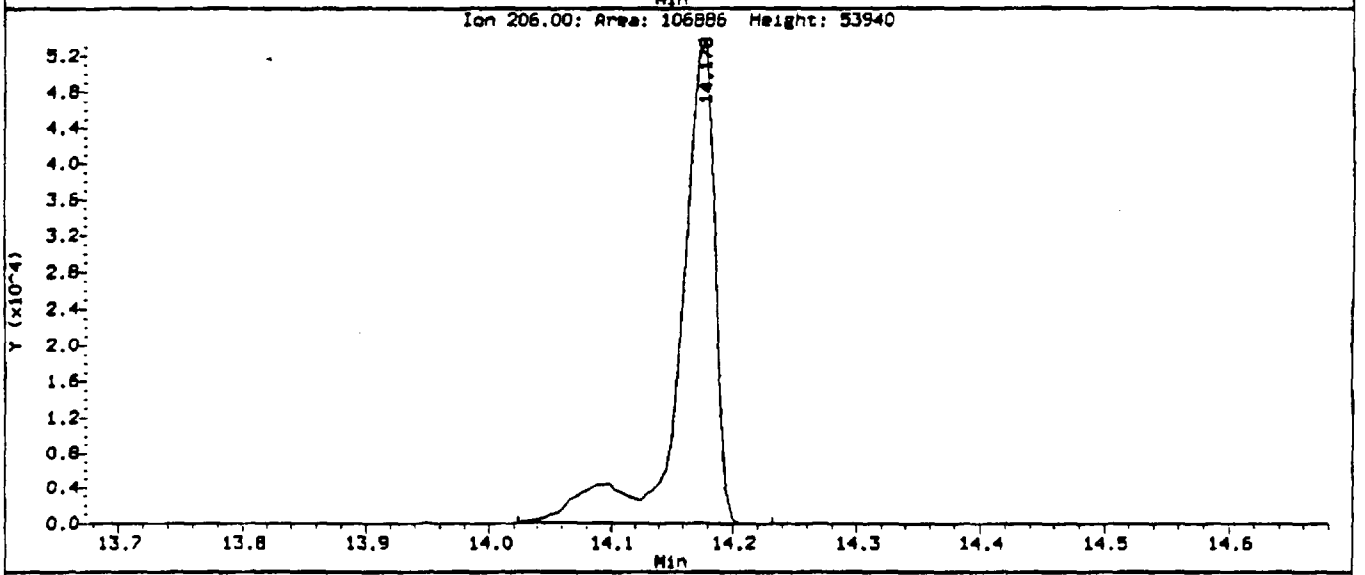
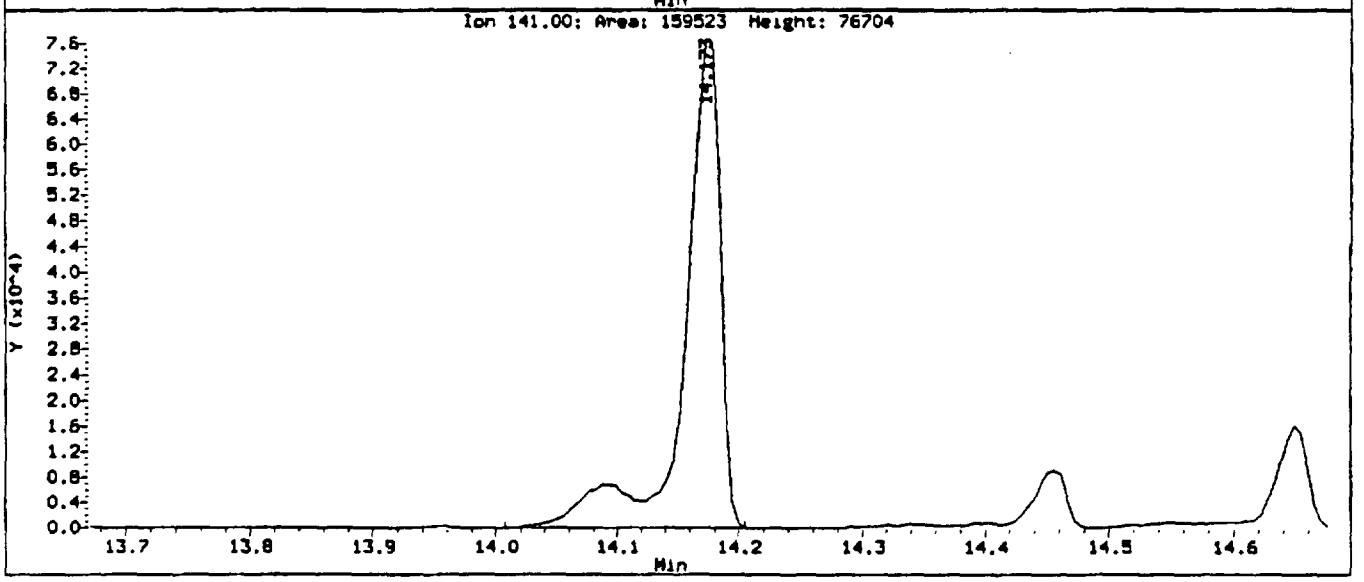
Instrument: a4hp9.i
Client Sample ID:

Compound: 4-Chlorophenyl-phenylether
CAS Number: 7005-72-3







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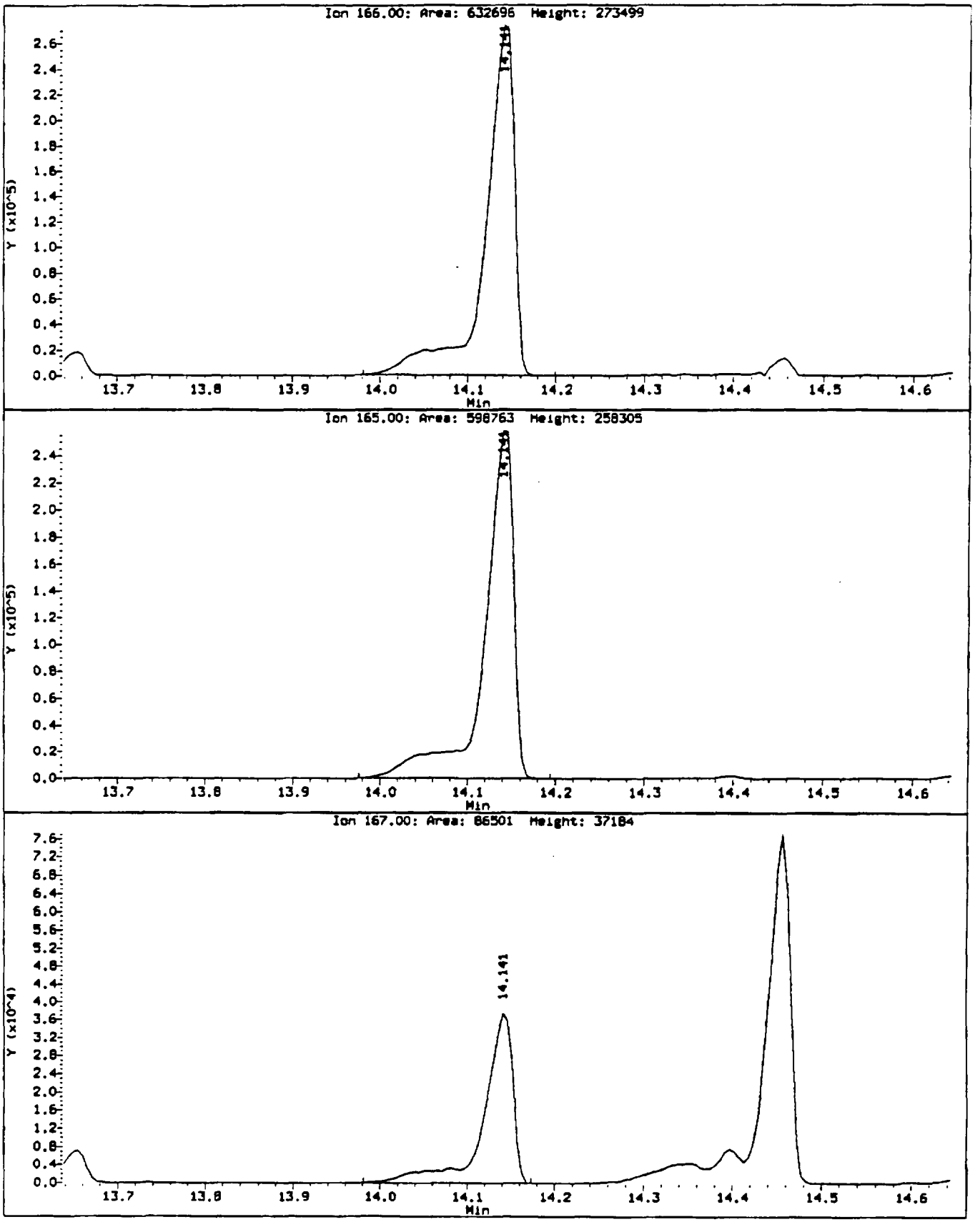
Instrument: a4hp9.i
Client Sample ID:

Compound: Fluorene
CAS Number: 86-73-7



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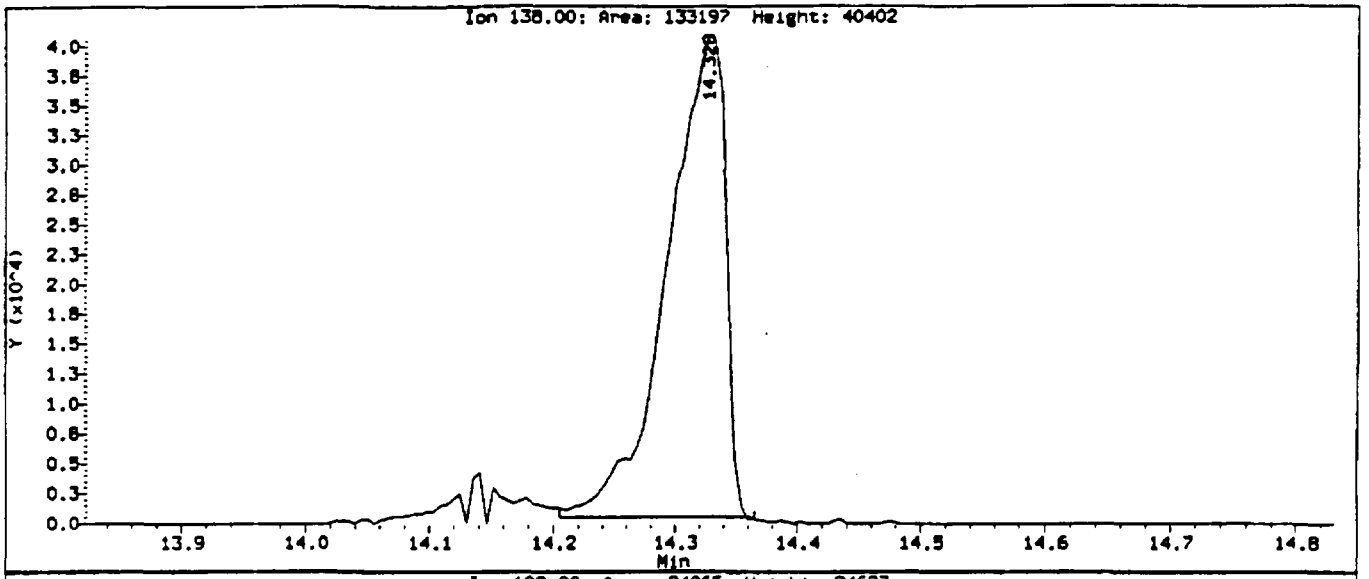
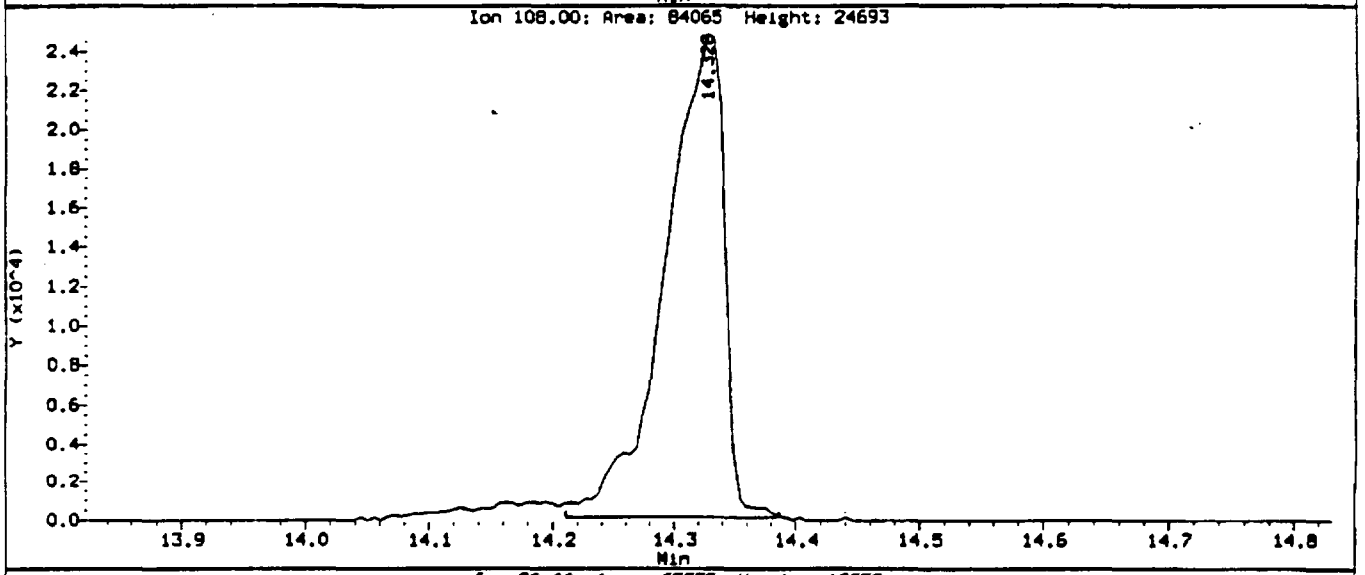
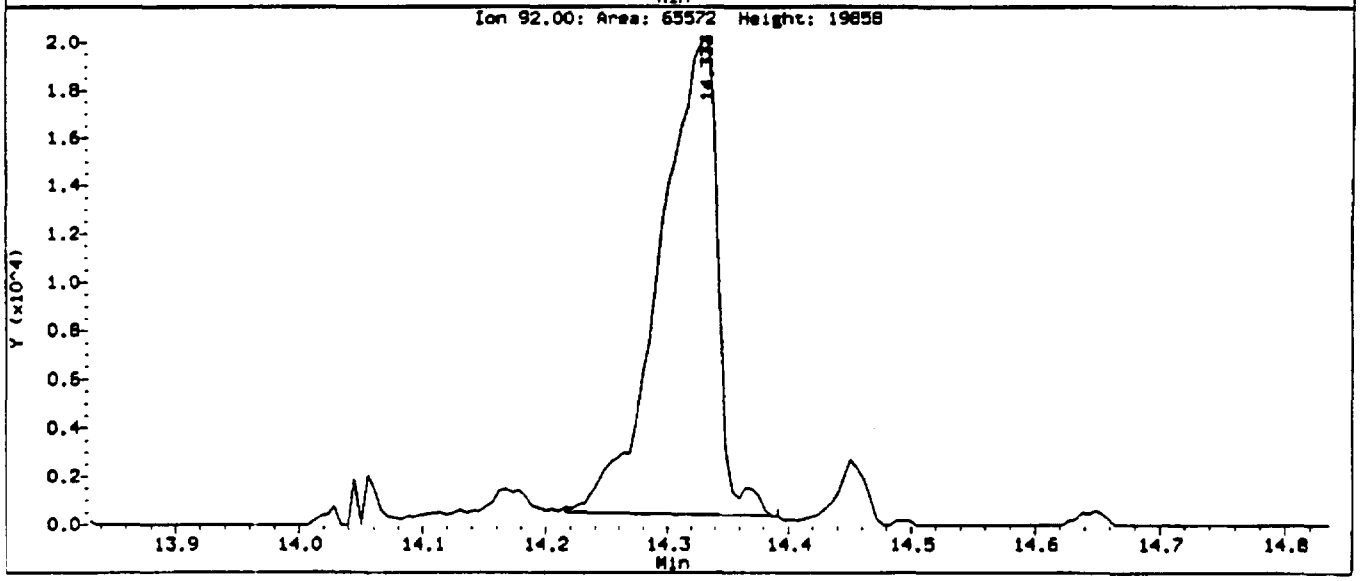
Instrument: a4hp9.i
Client Sample ID:

Compound: 4-Nitroaniline
CAS Number: 100-01-6







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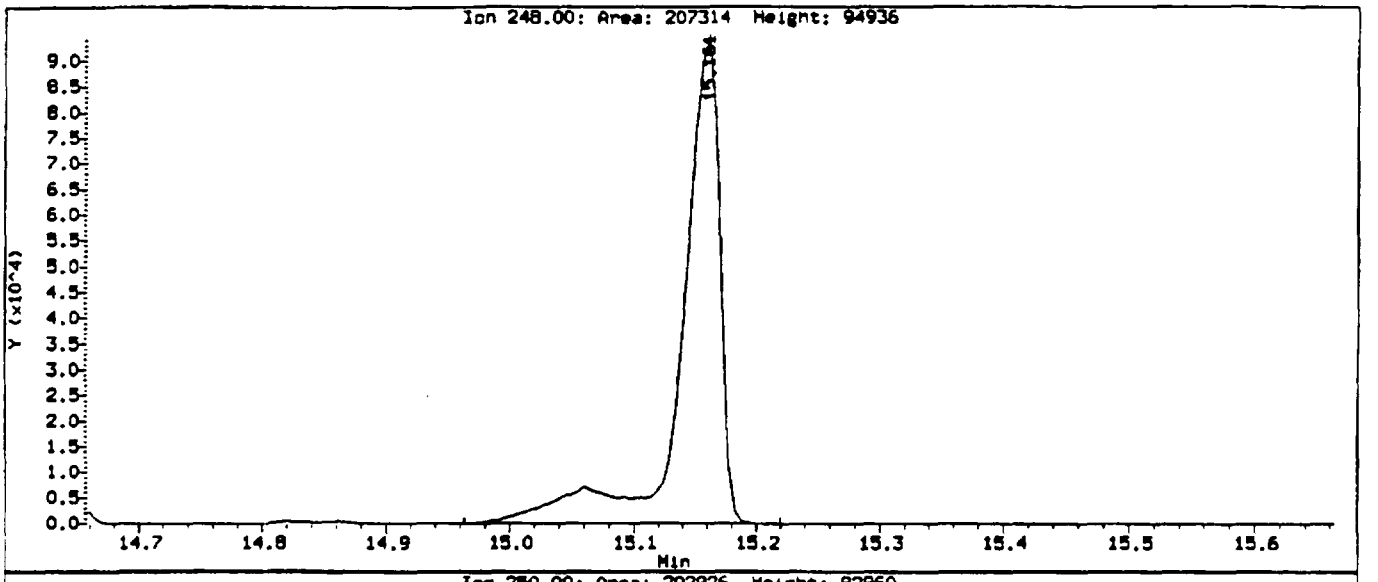
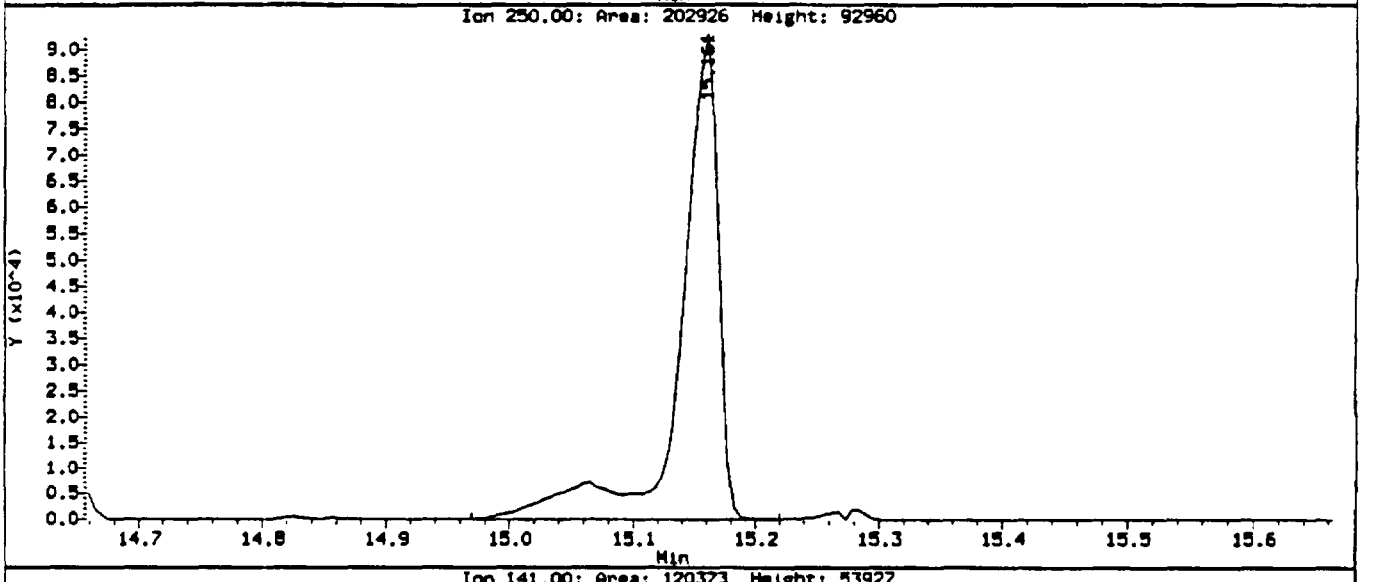
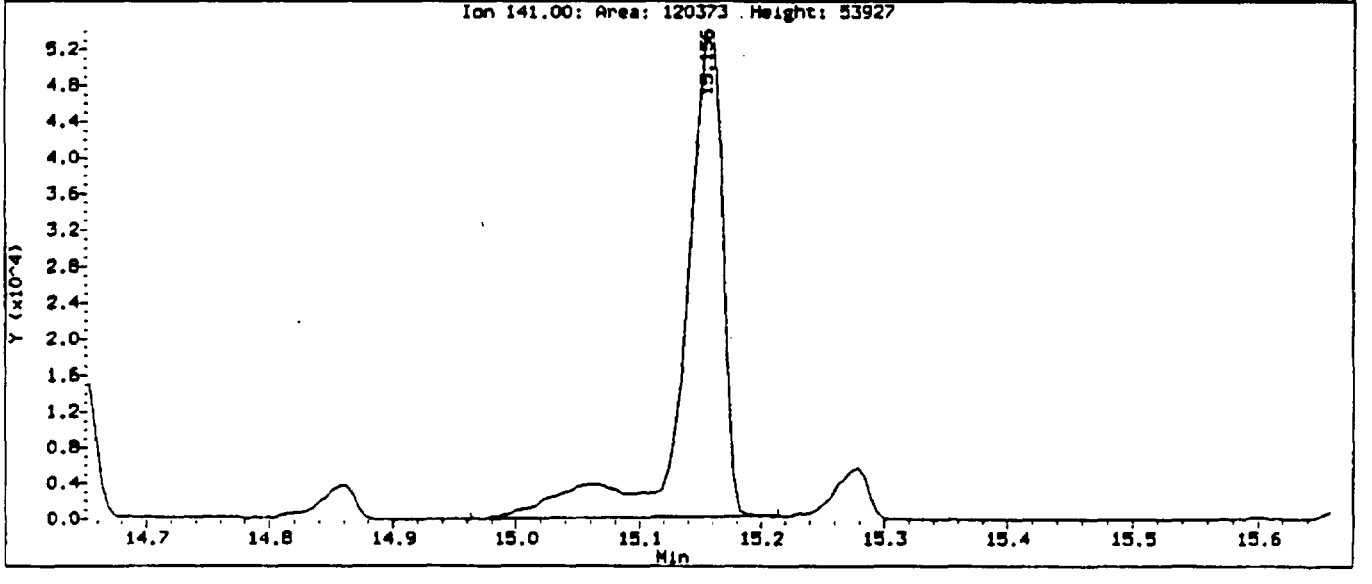
Injection Date: 27-NOV-2000 18:46
Instrument: a4hp9.1
Client Sample ID:

Compound: 4-Bromophenyl-phenylether
CAS Number: 101-55-3







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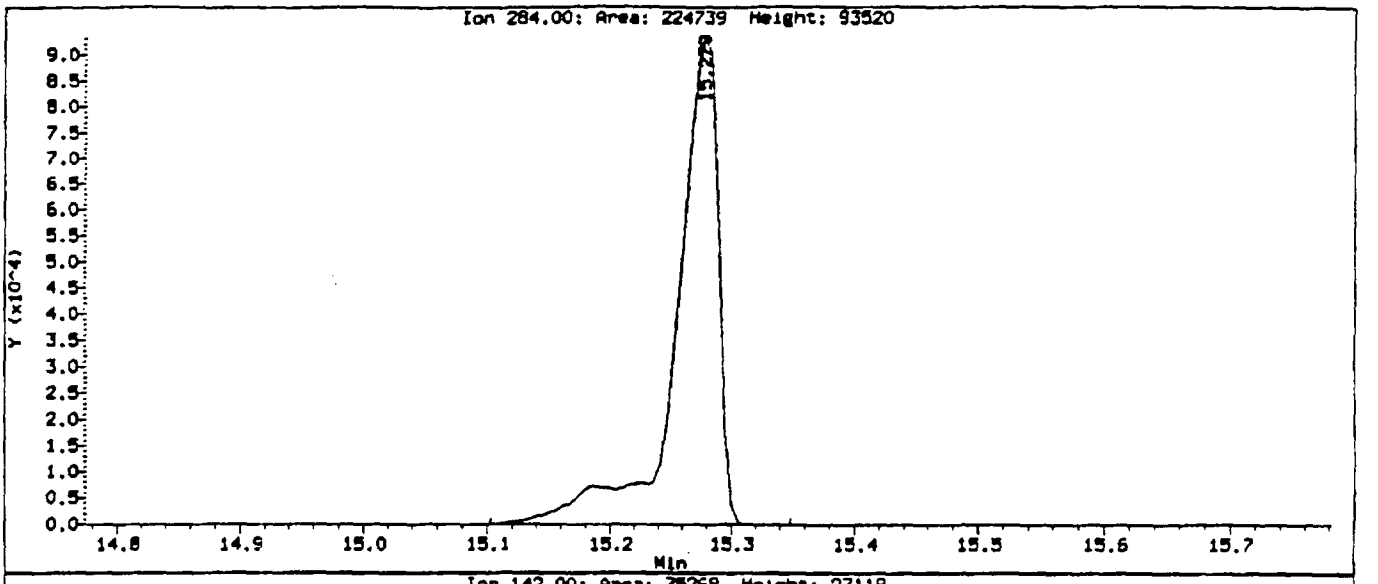
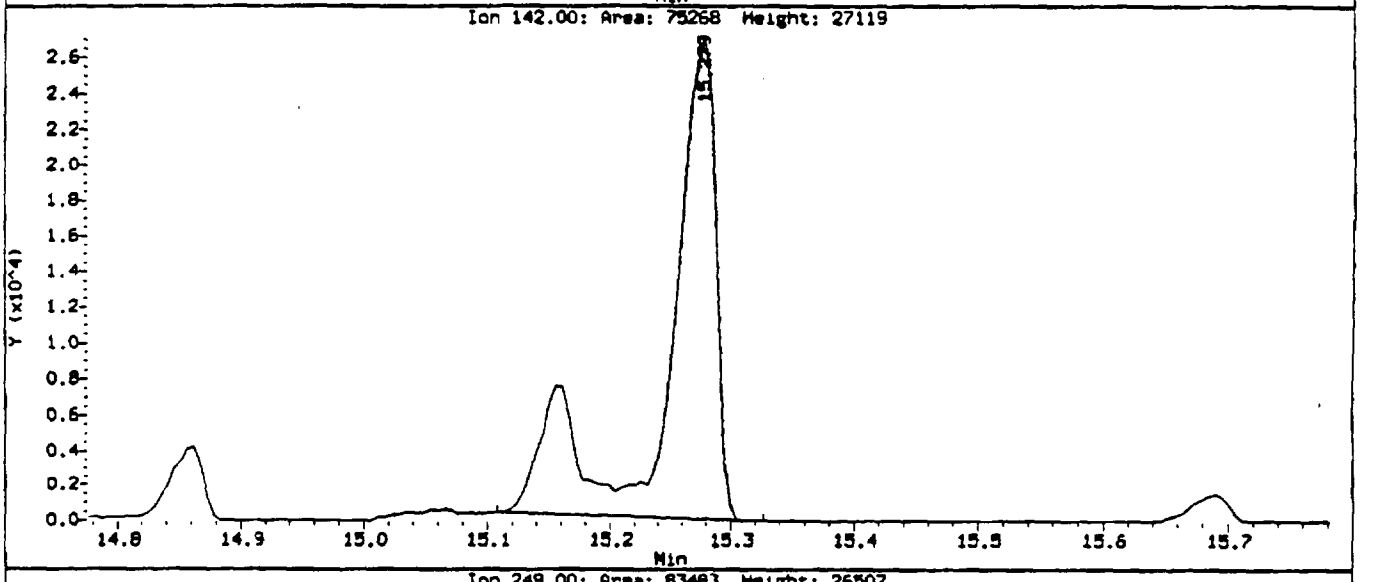
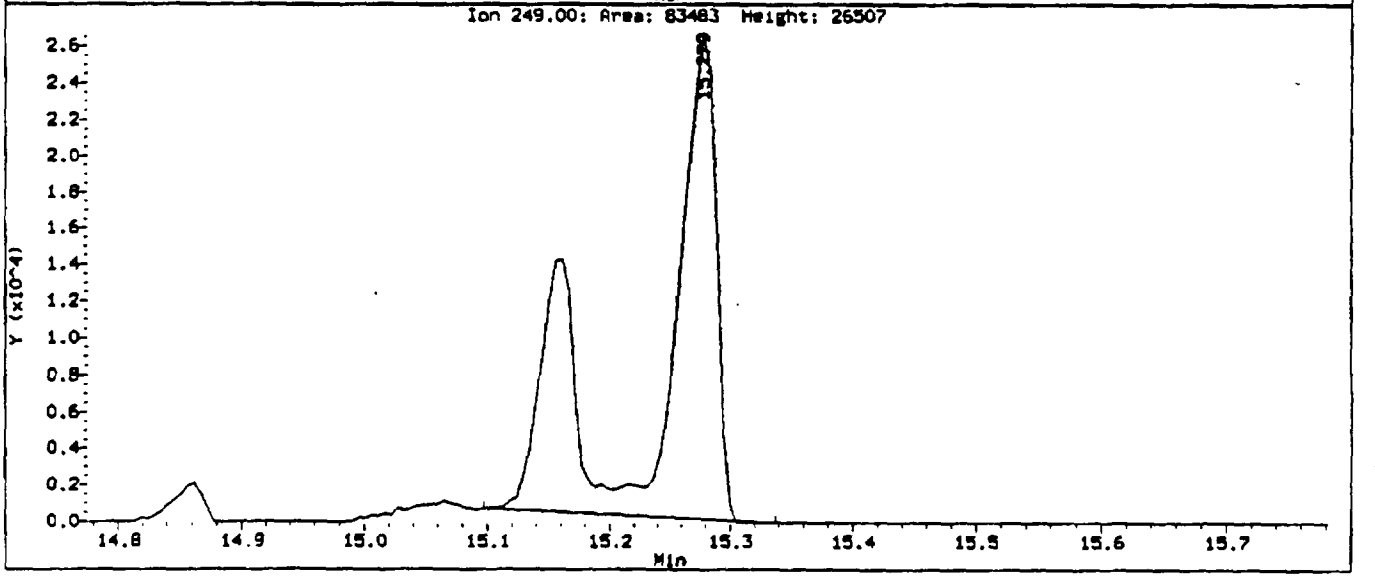
Injection Date: 27-NOV-2000 18:46
Instrument: a4hp9.i
Client Sample ID:

Compound: Hexachlorobenzene
CAS Number: 118-74-1







7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESCH Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A4HP9 Calibration Date: 12/04/00 Time: 1212

Lab File ID: 9SML1204 Init. Calib. Date(s): 11/27/00 11/27/00

Init. Calib. Times: 1606 1846

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Phenol	1.749	2.012	0.800	15.0	25.0	
Bis(2-chloroethyl)ether	1.371	1.463	0.700	6.7	25.0	
2-Chlorophenol	1.176	1.279	0.800	8.8	25.0	
1,3-Dichlorobenzene	1.320	1.384	0.600	4.8	25.0	
1,4-Dichlorobenzene	1.258	1.335	0.500	6.1	25.0	
1,2-Dichlorobenzene	1.068	1.165	0.400	9.1	25.0	
2-Methylphenol	1.042	1.177	0.700	13.0	25.0	
2,2'-oxybis(1-Chloropropane)	0.806	1.231		52.7		
N-Nitrosodinpropylamine	0.883	1.019	0.500	15.4	25.0	
4-Methylphenol	1.043	1.217	0.600	16.7	25.0	
Hexachloroethane	0.471	0.528	0.300	12.1	25.0	
Nitrobenzene	0.362	0.426	0.200	17.7	25.0	
Isophorone	0.704	0.773	0.400	9.8	25.0	
2-Nitrophenol	0.142	0.176	0.100	23.9	25.0	
2,4-Dimethylphenol	0.322	0.355	0.200	10.2	25.0	
Bis(2-chloroethoxy)methane	0.420	0.480	0.300	14.3	25.0	
2,4-Dichlorophenol	0.253	0.272	0.200	7.5	25.0	
1,2,4-Trichlorobenzene	0.280	0.272	0.200	-2.8	25.0	
Naphthalene	0.878	0.952	0.700	8.4	25.0	
4-Chloroaniline	0.319	0.370		16.0		
Hexachlorobutadiene	0.161	0.154		-4.3		
4-Chloro-3-Methylphenol	0.284	0.322	0.200	13.4	25.0	
2-Methylnaphthalene	0.587	0.631	0.400	7.5	25.0	
Hexachlorocyclopentadiene	0.300	0.303		1.0		
2,4,6-Trichlorophenol	0.334	0.350	0.200	4.8	25.0	
2,4,5-Trichlorophenol	0.285	0.317	0.200	11.2	25.0	
2-Chloronaphthalene	0.802	0.852	0.800	6.2	25.0	
2-Nitroaniline	0.219	0.310		41.6		
Dimethylphthalate	0.988	1.037		5.0		
Acenaphthylene	1.394	1.526	0.900	9.5	25.0	
2,6-Dinitrotoluene	0.176	0.225	0.200	27.8	25.0	<-
3-Nitroaniline	0.179	0.200		11.7		
Acenaphthene	0.862	0.924	0.900	7.2	25.0	<-
2,4-Dinitrophenol	0.088	0.112		27.3		
4-Nitrophenol	0.101	0.099		-2.0		
Dibenzofuran	1.135	1.275	0.800	12.3	25.0	
2,4-Dinitrotoluene	0.249	0.294	0.200	18.1	25.0	

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1 OLM03.0

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A4HP9 Calibration Date: 12/04/00 Time: 1212

Lab File ID: 9SML1204 Init. Calib. Date(s): 11/27/00 11/27/00

Init. Calib. Times: 1606 1846

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.910	0.965		6.0	
4-Chlorophenyl-phenylether	0.473	0.503	0.400	6.3	25.0
Fluorene	0.954	1.089	0.900	14.2	25.0
4-Nitroaniline	0.179	0.177		-1.1	
4,6-Dinitro-2-methylphenol	0.099	0.126		27.3	
N-Nitrosodiphenylamine (1)	0.401	0.481		20.0	
4-Bromophenyl-phenylether	0.185	0.182	0.100	-1.6	25.0
Hexachlorobenzene	0.206	0.218	0.100	5.8	25.0
Pentachlorophenol	0.130	0.136	0.050	4.6	25.0
Phenanthrene	0.917	1.022	0.700	11.4	25.0
Anthracene	0.829	0.899	0.700	8.4	25.0
Carbazole	0.682	0.781		14.5	
Di-n-Butylphthalate	1.077	1.224		13.6	
Fluoranthene	1.080	1.091	0.600	1.0	25.0
Pyrene	1.421	1.520	0.600	7.0	25.0
Butylbenzylphthalate	0.648	0.741		14.4	
3,3'-Dichlorobenzidine	0.348	0.322		-7.5	
Benzo(a)Anthracene	1.197	1.140	0.800	-4.8	25.0
Chrysene	1.009	0.945	0.700	-6.3	25.0
bis(2-ethylhexyl)Phthalate	0.776	0.881		13.5	
Di-n-octylphthalate	1.669	2.291		37.3	
Benzo(b)fluoranthene	1.401	1.444	0.700	3.1	25.0
Benzo(k)fluoranthene	1.300	1.410	0.700	8.5	25.0
Benzo(a)pyrene	1.185	1.210	0.700	2.1	25.0
Indeno(1,2,3-cd)pyrene	1.135	1.002	0.500	-11.7	25.0
Dibenz(a,h)anthracene	1.027	0.985	0.400	-4.1	25.0
Benzo(g,h,i)perylene	1.089	0.987	0.500	-9.4	25.0
Nitrobenzene-d5	0.336	0.401	0.200	19.3	25.0
2-Fluorobiphenyl	1.022	1.082	0.700	5.9	25.0
Terphenyl-d14	0.886	0.947	0.500	6.9	25.0
Phenol-d5	1.560	1.699	0.800	8.9	25.0
2-Fluorophenol	1.277	1.336	0.600	4.6	25.0
2,4,6-Tribromophenol	0.100	0.105		5.0	
2-Chlorophenol-d4	1.059	1.163	0.800	9.8	25.0
1,2-Dichlorobenzene-d4	0.705	0.776	0.400	10.1	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-2 OLM03.0

Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\9SHL1204.D

Page 1

Date : 04-DEC-2000 12:12

Client ID:

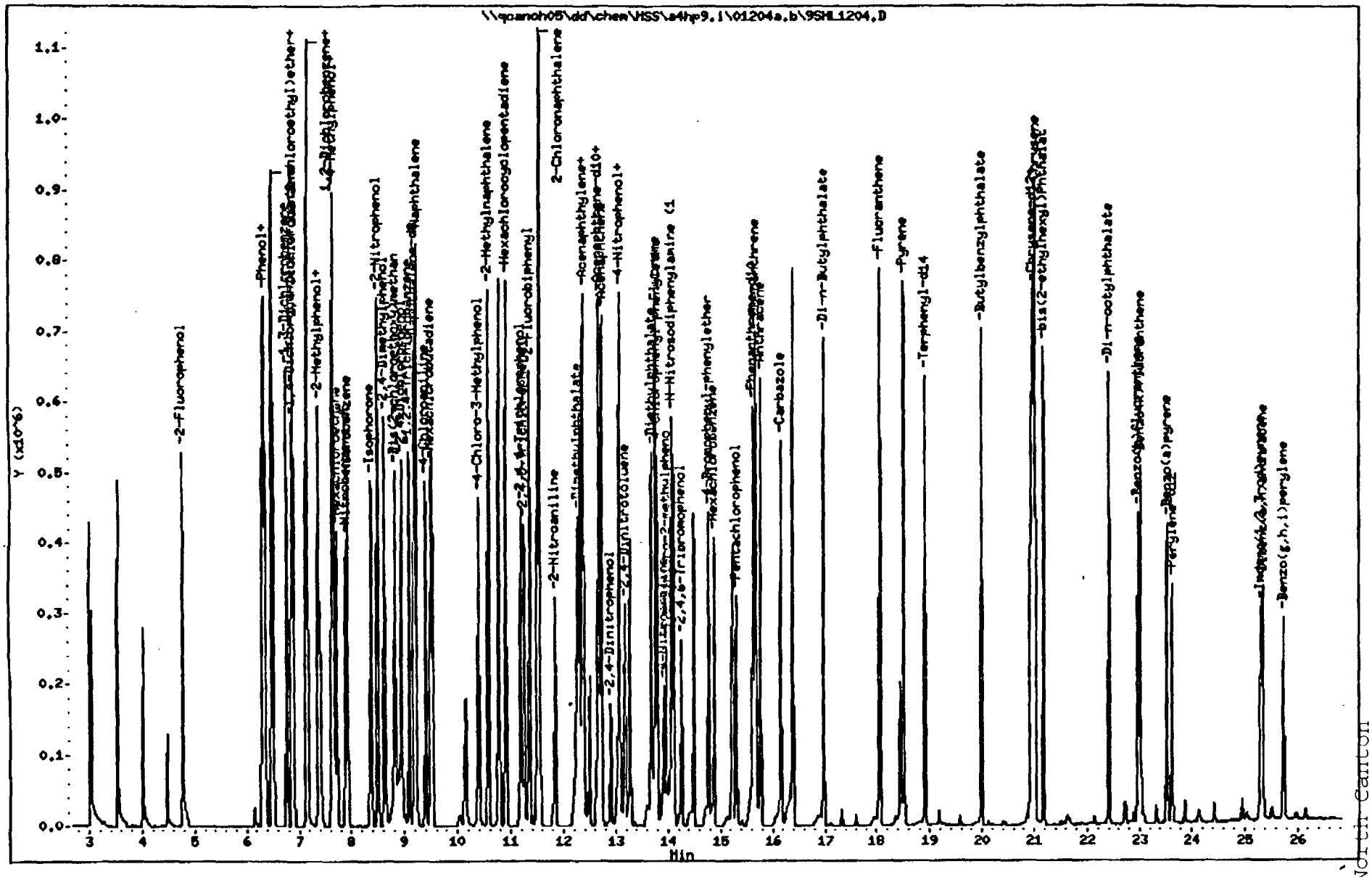
Instrument: a4hp9.i

Sample Info: sstd005,01204a.b,clp31,1-clp90.sub,2

Operator: 001574

Column phase:

Column diameter: 2.00



STL North Canton

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\9SML1204.D
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Inj Date : 04-DEC-2000 12:12
Operator : 001574 Inst ID: a4hp9.i
Smp Info : sstd005,01204a.b,clp31,1-clp90.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 04-Dec-2000 12:45 GruberJ Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	6.859	6.859	(1.000)	142905	40.0000	
* 2 Naphthalene-d8	136	9.199	9.199	(1.000)	508545	40.0000	
* 3 Acenaphthene-d10	164	12.671	12.671	(1.000)	300974	40.0000	
* 4 Phenanthrene-d10	188	15.631	15.631	(1.000)	410017	40.0000	
* 5 Chrysene-d12	240	20.973	20.973	(1.000)	302674	40.0000	
* 6 Perylene-d12	264	23.633	23.633	(1.000)	190516	40.0000	
7 Phenol	94	6.330	6.330	(0.923)	359457	50.0000	58
8 Bis(2-chloroethyl)ether	93	6.485	6.485	(0.945)	261283	50.0000	53
9 2-Chlorophenol	128	6.512	6.512	(0.949)	228398	50.0000	54
10 1,3-Dichlorobenzene	146	6.757	6.757	(0.985)	247272	50.0000	52
11 1,4-Dichlorobenzene	146	6.886	6.886	(1.004)	238542	50.0000	53
12 1,2-Dichlorobenzene	146	7.163	7.163	(1.044)	208101	50.0000	54
13 2-Methylphenol	108	7.366	7.366	(1.074)	210214	50.0000	56
14 2,2'-oxybis(1-Chloropropane)	45	7.404	7.404	(1.079)	219871	50.0000	76
15 4-Methylphenol	108	7.660	7.660	(1.117)	217416	50.0000	58
16 N-Nitrosodinpropylamine	70	7.676	7.676	(1.119)	182011	50.0000	58
17 Hexachloroethane	117	7.724	7.724	(1.126)	94276	50.0000	56
18 Nitrobenzene	77	7.938	7.938	(0.863)	270738	50.0000	59
19 Isophorone	82	8.381	8.381	(0.911)	491462	50.0000	55
20 2-Nitrophenol	139	8.520	8.520	(0.926)	112108	50.0000	62
21 2,4-Dimethylphenol	107	8.638	8.638	(0.939)	225531	50.0000	55
22 Bis(2-chloroethoxy)methane	93	8.835	8.835	(0.961)	305493	50.0000	57
23 2,4-Dichlorophenol	162	8.958	8.958	(0.974)	173201	50.0000	54
24 1,2,4-Trichlorobenzene	180	9.103	9.103	(0.990)	172596	50.0000	48
25 Naphthalene	128	9.236	9.236	(1.004)	604938	50.0000	54
26 4-Chloroaniline	127	9.412	9.412	(1.023)	234980	50.0000	58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
27 Hexachlorobutadiene	225	9.498	9.498	(1.033)	98267	50.0000	48
28 4-Chloro-3-Methylphenol	107	10.406	10.406	(1.131)	205018	50.0000	57
29 2-Methylnaphthalene	142	10.588	10.588	(1.151)	400880	50.0000	54
30 Hexachlorocyclopentadiene	237	10.924	10.924	(0.862)	114139	50.0000	50
31 2,4,6-Trichlorophenol	196	11.197	11.197	(0.884)	131523	50.0000	52
32 2,4,5-Trichlorophenol	196	11.261	11.261	(0.889)	119217	50.0000	56
33 2-Chloronaphthalene	162	11.555	11.555	(0.912)	320738	50.0000	53
34 2-Nitroaniline	65	11.848	11.848	(0.935)	116776	50.0000	71
35 Dimethylphthalate	163	12.270	12.270	(0.968)	390239	50.0000	52
36 Acenaphthylene	152	12.372	12.372	(0.976)	574008	50.0000	55
37 2,6-Dinitrotoluene	165	12.399	12.399	(0.979)	84581	50.0000	64
38 3-Nitroaniline	138	12.692	12.692	(1.002)	75206	50.0000	56
39 Acenaphthene	153	12.735	12.735	(1.005)	347723	50.0000	54
40 2,4-Dinitrophenol	184	12.906	12.906	(1.019)	42231	50.0000	63
41 4-Nitrophenol	109	13.072	13.072	(1.032)	37317	50.0000	49
42 Dibenzofuran	168	13.072	13.072	(1.032)	479827	50.0000	56
43 2,4-Dinitrotoluene	165	13.184	13.184	(1.040)	110681	50.0000	59
44 Diethylphthalate	149	13.686	13.686	(1.080)	363214	50.0000	53
45 4-Chlorophenyl-phenylether	204	13.809	13.809	(1.090)	189183	50.0000	53
46 Fluorene	166	13.761	13.761	(1.086)	409570	50.0000	57
47 4-Nitroaniline	138	13.926	13.926	(1.099)	66646	50.0000	49
48 4,6-Dinitro-2-methylphenol	198	13.980	13.980	(0.894)	64623	50.0000	63
49 N-Nitrosodiphenylamine (1)	169	14.076	14.076	(0.901)	246741	50.0000	60
50 4-Bromophenyl-phenylether	248	14.781	14.781	(0.946)	93275	50.0000	49
51 Hexachlorobenzene	284	14.888	14.888	(0.952)	111972	50.0000	53
53 Pentachlorophenol	266	15.310	15.310	(0.979)	69956	50.0000	52
54 Phenanthrene	178	15.684	15.684	(1.003)	523670	50.0000	56(H)
55 Anthracene	178	15.780	15.780	(1.010)	460947	50.0000	54
56 Carbazole	167	16.165	16.165	(1.034)	400517	50.0000	57
57 Di-n-Butylphthalate	149	16.982	16.982	(1.086)	627230	50.0000	57
58 Fluoranthene	202	18.072	18.072	(1.156)	559311	50.0000	50
59 Pyrene	202	18.515	18.515	(0.883)	575140	50.0000	53
60 Butylbenzylphthalate	149	19.995	19.995	(0.953)	280514	50.0000	57
61 3,3'-Dichlorobenzidine	252	20.989	20.989	(1.001)	121641	50.0000	46
62 Benzo(a)Anthracene	228	20.946	20.946	(0.999)	431289	50.0000	48
63 Chrysene	228	21.026	21.026	(1.003)	357459	50.0000	47
64 bis(2-ethylhexyl)Phthalate	149	21.186	21.186	(1.010)	333354	50.0000	57
65 Di-n-octylphthalate	149	22.415	22.415	(0.948)	545673	50.0000	69
66 Benzo(b)fluoranthene	252	22.976	22.976	(0.972)	343904	50.0000	52
67 Benzo(k)fluoranthene	252	23.024	23.024	(0.974)	335894	50.0000	54
68 Benzo(a)pyrene	252	23.532	23.532	(0.996)	288290	50.0000	51
69 Indeno(1,2,3-cd)pyrene	276	25.316	25.316	(1.071)	238638	50.0000	44
70 Dibenz(a,h)anthracene	278	25.359	25.359	(1.073)	234596	50.0000	48
71 Benzo(g,h,i)perylene	276	25.754	25.754	(1.090)	235109	50.0000	45
$ 72 Nitrobenzene-d5	82	7.901	7.901	(0.859)	254857	50.0000	60
$ 73 2-Fluorobiphenyl	172	11.362	11.362	(0.897)	406997	50.0000	53
$ 74 Terphenyl-d14	244	18.916	18.916	(0.902)	358425	50.0000	53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	6.303	6.303	(0.919)	303426	50.0000	54
$ 76 2-Fluorophenol	112	4.781	4.781	(0.697)	238578	50.0000	52
$ 77 2,4,6-Tribromophenol	330	14.268	14.268	(0.913)	53919	50.0000	53
$ 78 2-Chlorophenol-d4	132	6.485	6.485	(0.945)	207697	50.0000	55
$ 79 1,2-Dichlorobenzene-d4	152	7.137	7.137	(1.040)	138555	50.0000	55

QC Flag Legend

H - Operator selected an alternate compound hit.

Committed To *Your* Success

RAW QC DATA

Data File: \\QCANCH05\dd\chem\HSS\a4hp9.i\01127a.b\9DF1127.D

Date : 27-NOV-2000 15:41

Client ID:

Instrument: a4hp9.i

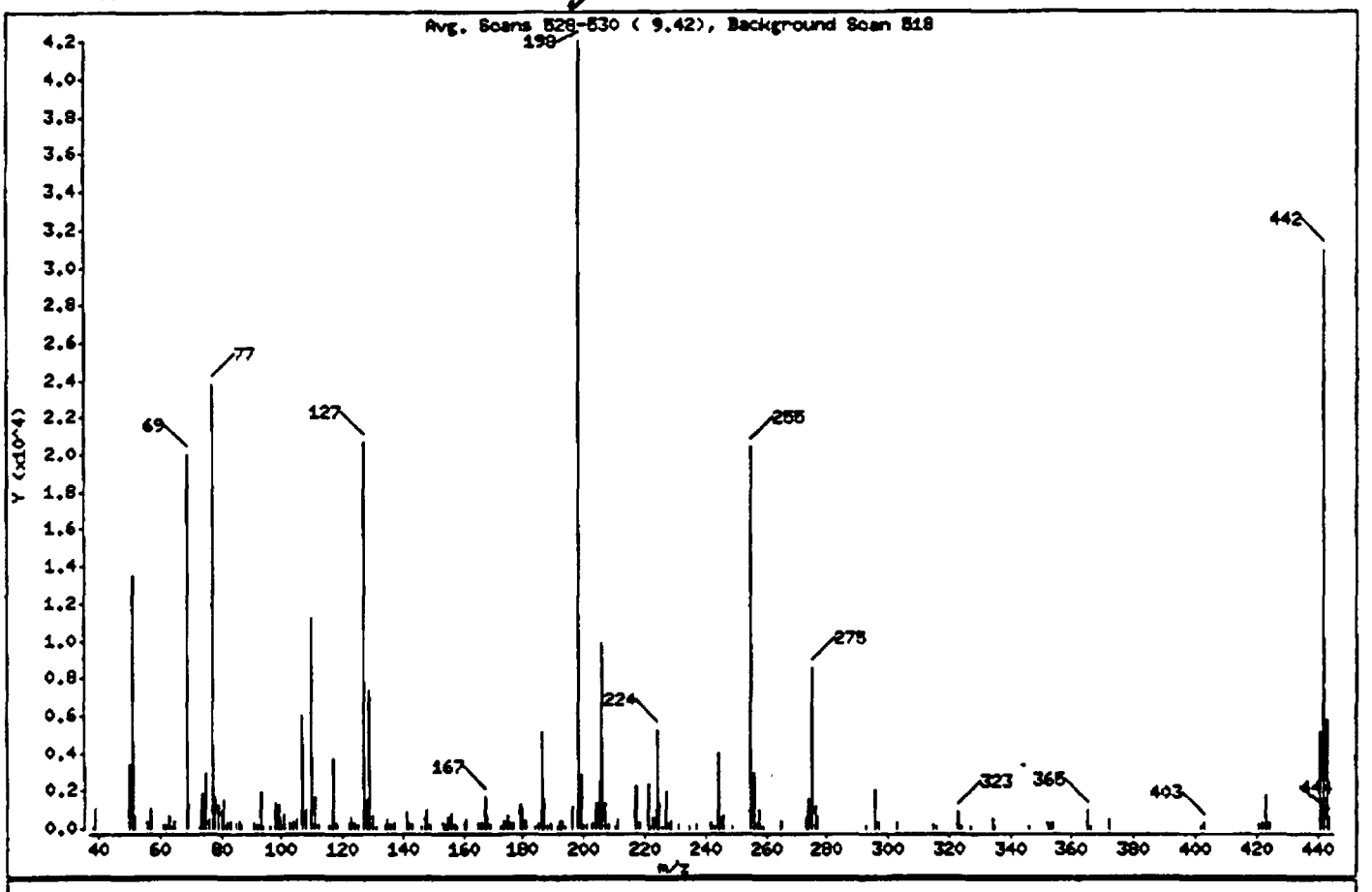
Sample Info: dftpp,01127a.b,dftpp390

Operator:

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 - 80.00% of mass 198	32.24
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	47.65
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	49.16
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 30.00% of mass 198	20.12
365	Greater than 0.75% of mass 198	2.23
441	Present, but less than mass 443	12.30
442	40.00 - 110.00% of mass 198	73.64
443	15.00 - 24.00% of mass 442	13.72 (18.63)

Data File: \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\9DF1127.D

Date : 27-NOV-2000 15:41

Client ID:

Instrument: a4hp9.i

Sample Info: dftpp,01127a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 9DF1127.D
Spectrum: Avg. Scans 529-530 (9.42), Background Scan 518
Location of Maximum: 198.00
Number of points: 171

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	142	112.00	215	179.00	1288	245.00	545
39.00	1111	116.00	238	180.00	921	246.00	666
50.00	3423	117.00	3645	181.00	429	249.00	109
51.00	13552	118.00	300	184.00	51	255.00	20416
52.00	673	122.00	302	185.00	256	256.00	2915
56.00	411	123.00	590	186.00	5170	257.00	242
57.00	1065	124.00	277	187.00	1531	258.00	968
61.00	148	125.00	226	188.00	185	259.00	108
62.00	192	127.00	20664	189.00	294	265.00	342
63.00	674	128.00	1583	191.00	64	273.00	606
64.00	55	129.00	7377	192.00	428	274.00	1545
65.00	375	130.00	644	193.00	424	275.00	8460
69.00	20032	131.00	62	194.00	61	276.00	1164
73.00	123	134.00	233	196.00	1182	277.00	651
74.00	1872	135.00	523	198.00	42040	293.00	126
75.00	2895	136.00	211	199.00	2776	296.00	2050
76.00	505	137.00	260	200.00	213	297.00	291
77.00	23808	141.00	850	201.00	171	303.00	283
78.00	1629	142.00	316	203.00	303	315.00	240
79.00	1218	143.00	182	204.00	1332	316.00	50
80.00	995	146.00	127	205.00	2486	323.00	835
81.00	1515	147.00	605	206.00	9829	324.00	74
82.00	367	148.00	931	207.00	1352	327.00	121
83.00	403	149.00	204	208.00	295	334.00	525
85.00	273	153.00	296	210.00	107	335.00	122
86.00	426	154.00	198	211.00	482	346.00	57
87.00	155	155.00	559	217.00	2202	352.00	249
91.00	330	156.00	791	218.00	329	353.00	238
92.00	229	157.00	146	221.00	2303	354.00	268
93.00	1954	158.00	135	222.00	141	365.00	937
94.00	126	160.00	273	223.00	594	366.00	70
96.00	110	161.00	435	224.00	5230	372.00	441
98.00	1390	165.00	307	225.00	1345	402.00	59
99.00	1230	166.00	284	226.00	54	403.00	255
100.00	344	167.00	1641	227.00	1896	421.00	204

Data File: \\QCANOH05\dd\chem\MSS\a4hp9.i\01127a.b\9DF1127.D

Date : 27-NOV-2000 18:41

Client ID:

Instrument: a4hp9.i

Sample Info: dftpp,01127a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 9DF1127.D
Spectrum: Avg. Scans 528-530 (9.42), Background Scan 518
Location of Maximum: 198.00
Number of points: 171

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	806	168.00	677	228.00	313	422.00	249
103.00	256	169.00	192	229.00	430	423.00	1711
104.00	421	172.00	58	231.00	234	424.00	310
105.00	457	173.00	212	235.00	111	441.00	5169
107.00	6036	174.00	360	237.00	187	442.00	30952
108.00	995	175.00	714	242.00	300	443.00	5767
110.00	11221	176.00	248	243.00	94	444.00	533
111.00	1652	177.00	301	244.00	3984		

Data File: \\QCANOH06\dd\chem\HS8\a4hp9.i\01127a.b\9DF1127.D

Page 1

Date : 27-NOV-2000 15:41

Client ID:

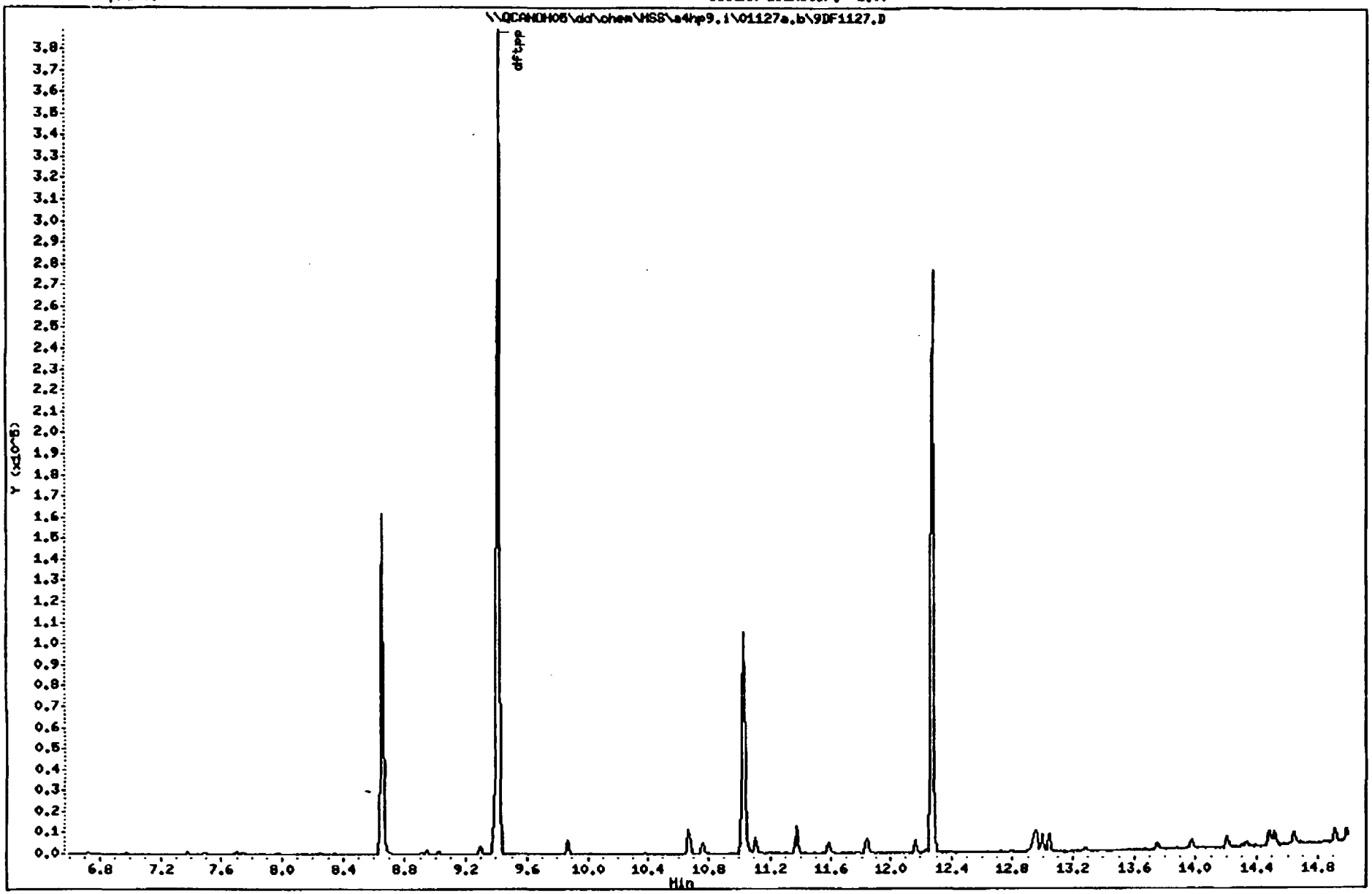
Instrument: a4hp9.i

Sample Info: dftpp,01127a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00



640

STL North Canton

12-6-00

Data File: \\QCANOH05\dd\chem\HSS\a4hp9.i\01204a.b\9DF1204.D

Date : 04-DEC-2000 11:48

Client ID:

Instrument: a4hp9.i

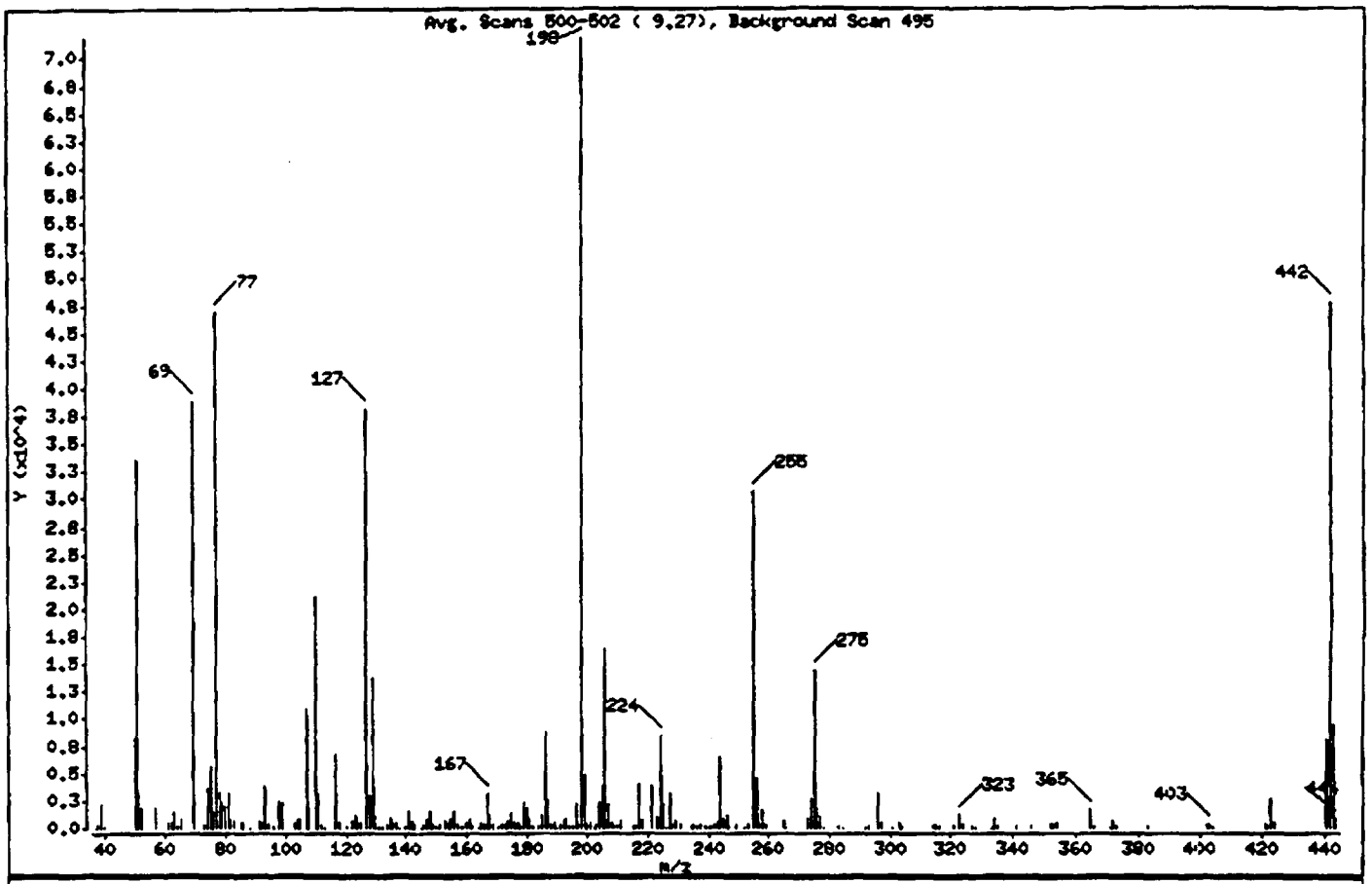
Sample Info: dftpp,01204a.b,dftpp390

Operator:

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 - 80.00% of mass 198	46.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	53.96
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	53.04
197	Less than 1.00% of mass 198	0.43
199	5.00 - 9.00% of mass 198	6.56
275	10.00 - 30.00% of mass 198	20.01
365	Greater than 0.75% of mass 198	2.31
441	Present, but less than mass 443	11.19
442	40.00 - 110.00% of mass 198	66.38
443	15.00 - 24.00% of mass 442	13.07 (19.70)

Data File: \\QCANCH05\dd\chem\MSS\a4hp9.i\01204a.b\9DF1204.D

Date : 04-DEC-2000 11:48

Client ID:

Instrument: a4hp9.i

Sample Info: dftpp,01204a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 9DF1204.D
Spectrum: Avg. Scans 500-502 (9.27), Background Scan 495
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	81	129.00	13654	190.00	58	258.00	1624
38.00	390	130.00	1140	191.00	256	259.00	284
39.00	2185	131.00	212	192.00	695	265.00	681
40.00	177	132.00	136	193.00	907	266.00	68
50.00	8202	134.00	393	194.00	157	273.00	902
51.00	33488	135.00	1045	195.00	91	274.00	2702
52.00	1765	136.00	552	196.00	2224	275.00	14389
57.00	1736	137.00	490	197.00	312	276.00	1858
61.00	415	138.00	60	198.00	71896	277.00	932
62.00	483	140.00	132	199.00	4717	278.00	62
63.00	1471	141.00	1493	200.00	317	283.00	111
64.00	214	142.00	623	201.00	484	285.00	78
65.00	791	143.00	374	202.00	60	292.00	52
69.00	38792	145.00	71	203.00	354	293.00	159
73.00	279	146.00	264	204.00	2377	296.00	3189
74.00	3689	147.00	779	205.00	3832	297.00	420
75.00	5649	148.00	1560	206.00	16440	301.00	54
76.00	1484	149.00	337	207.00	2082	303.00	503
77.00	46888	150.00	118	208.00	458	304.00	117
78.00	3260	151.00	382	209.00	108	314.00	234
79.00	2389	153.00	579	210.00	200	315.00	357
80.00	1963	154.00	418	211.00	706	316.00	228
81.00	3093	155.00	867	215.00	145	321.00	177
82.00	841	156.00	1436	216.00	195	323.00	1169
83.00	608	157.00	337	217.00	3941	324.00	254
85.00	426	158.00	212	218.00	626	327.00	169
86.00	463	159.00	187	221.00	3845	328.00	58
88.00	62	160.00	508	223.00	975	333.00	70
91.00	653	161.00	805	224.00	8351	334.00	794
92.00	570	162.00	237	225.00	2147	335.00	223
93.00	3882	164.00	59	226.00	57	341.00	181
94.00	273	165.00	545	227.00	3094	346.00	210
96.00	233	166.00	363	228.00	386	352.00	306
98.00	2480	167.00	3191	229.00	732	353.00	283
99.00	2334	168.00	1204	231.00	390	354.00	422

Data File: \\QCANOH05\dd\chem\HSS\a4hp9.i\01204a.b\9DF1204.D

Date : 04-DEC-2000 11:48

Client ID:

Instrument: a4hp9.i

Sample Info: dftpp,01204a,b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 9DF1204.D

Spectrum: Avg. Scans 500-502 (9.27), Background Scan 495

Location of Maximum: 198.00

Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	419	169.00	260	234.00	234	365.00	1663
104.00	843	171.00	112	235.00	258	366.00	151
105.00	817	172.00	248	236.00	207	371.00	63
107.00	10964	173.00	343	237.00	260	372.00	614
108.00	1770	174.00	660	239.00	114	373.00	153
110.00	21144	175.00	1296	240.00	59	383.00	90
111.00	3156	176.00	470	241.00	145	402.00	309
112.00	384	177.00	559	242.00	406	403.00	368
113.00	58	178.00	100	243.00	548	404.00	53
116.00	567	179.00	2248	244.00	6521	421.00	315
117.00	6728	180.00	1739	245.00	847	422.00	147
118.00	457	181.00	747	246.00	1083	423.00	2587
120.00	114	182.00	129	247.00	210	424.00	560
122.00	641	184.00	177	249.00	267	441.00	8047
123.00	1089	185.00	1208	252.00	52	442.00	47720
124.00	429	186.00	8692	253.00	250	443.00	9401
125.00	490	187.00	2496	255.00	30584	444.00	826
127.00	38128	188.00	291	256.00	4391		
128.00	3033	189.00	486	257.00	351		

Data File: \\QCANOH05\dd\chem\HSS\a4hp9.i\01204a.b\9DF1204.D

Date : 04-DEC-2000 11:48

Client ID:

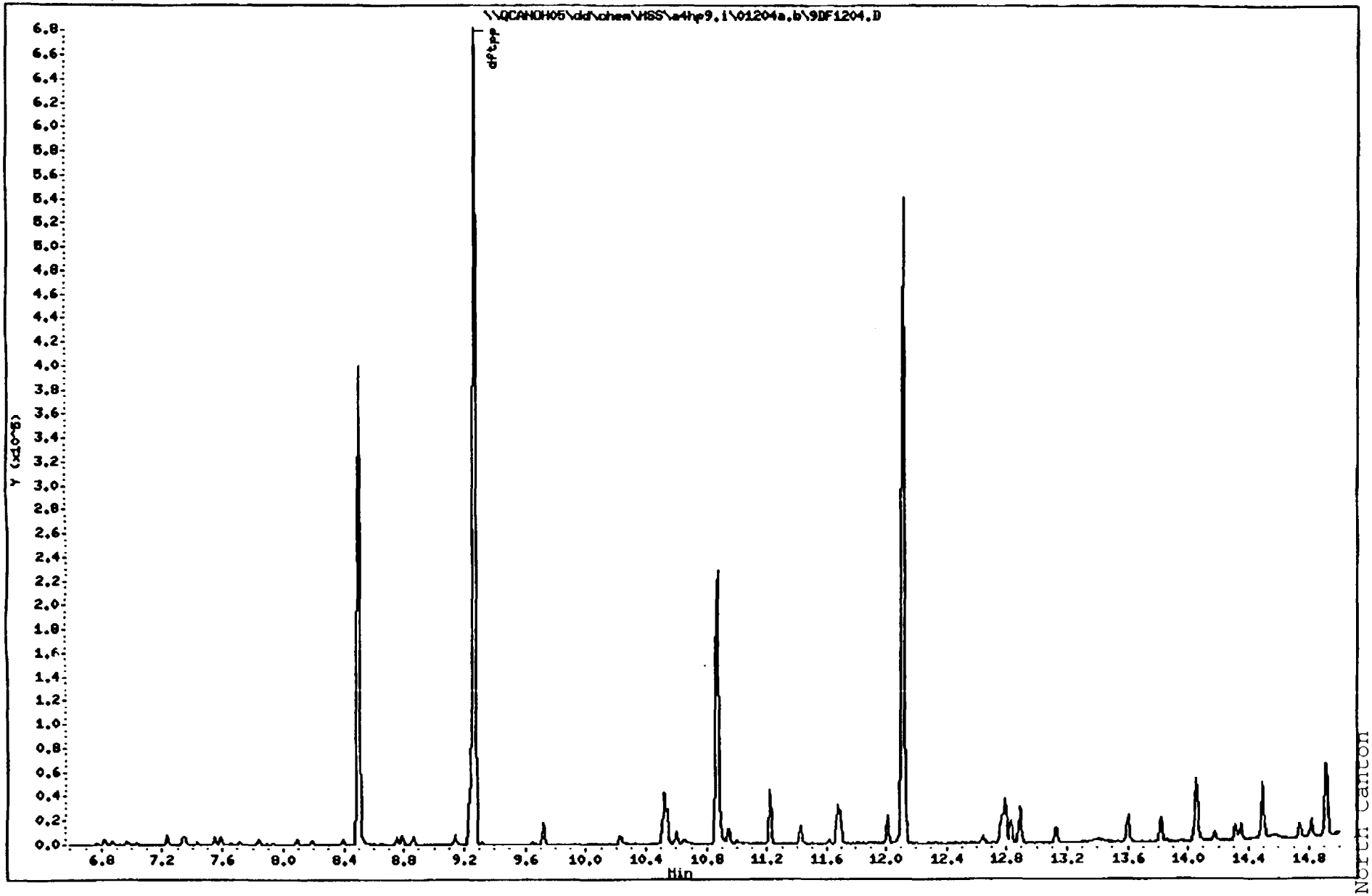
Sample Info: dftpp,01204a.b,dftpp390

Column phase:

Instrument: a4hp9.i

Operator:

Column diameter: 2.00



STL North Canton

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 103
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/04/00
Work Order: DQGQ61AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334103

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitrosodi-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 103
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/04/00
Work Order: DQGQ61AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334103

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethyl phthalate	330	U
7005-72-3	4-Chlorophenyl phenyl ether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl phenyl ether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butyl phthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butyl benzyl phthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 103
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/04/00
Work Order: DQGQ61AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334103

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	50	J
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(ghi)perylene	330	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 103
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

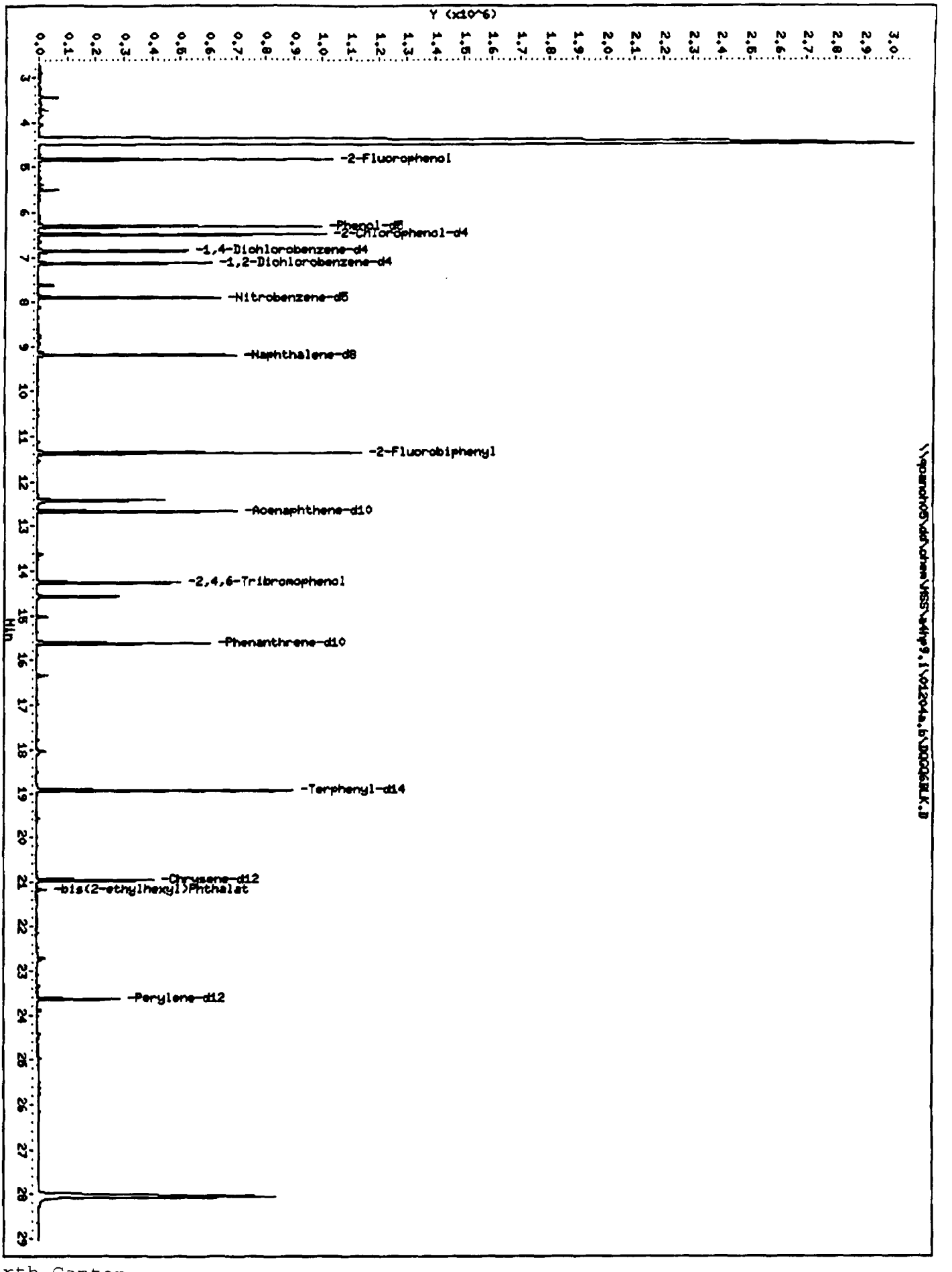
Sample WT/Vol: 30 / g Date Received: 11/04/00
Work Order: DQGQ61AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334103

Client Sample Id: INTRA-LAB BLANK

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.4369	110	J
	Unknown Aldol Condensate	4.4839	17000	JA
	Unknown	5.5043	77	J
98-86-2	Acetophenone	7.6198	72	NJ
	Unknown	12.406	450	J
	Unknown	14.569	280	J
	Unknown	28.048	4200	J


Y (x10^6)
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
Min

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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQGQ6BLK.D
Lab Smp Id: DQGQ61AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 04-DEC-2000 12:49
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dqgq61aa,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 1 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.855	6.859	(1.000)	122371	40.0000	
* 2 Naphthalene-d8	136	9.190	9.199	(1.000)	483118	40.0000	
* 3 Acenaphthene-d10	164	12.657	12.671	(1.000)	280034	40.0000	
* 4 Phenanthrene-d10	188	15.627	15.631	(1.000)	384220	40.0000	
* 5 Chrysene-d12	240	20.959	20.973	(1.000)	245840	40.0000	
* 6 Perylene-d12	264	23.630	23.633	(1.000)	187925	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

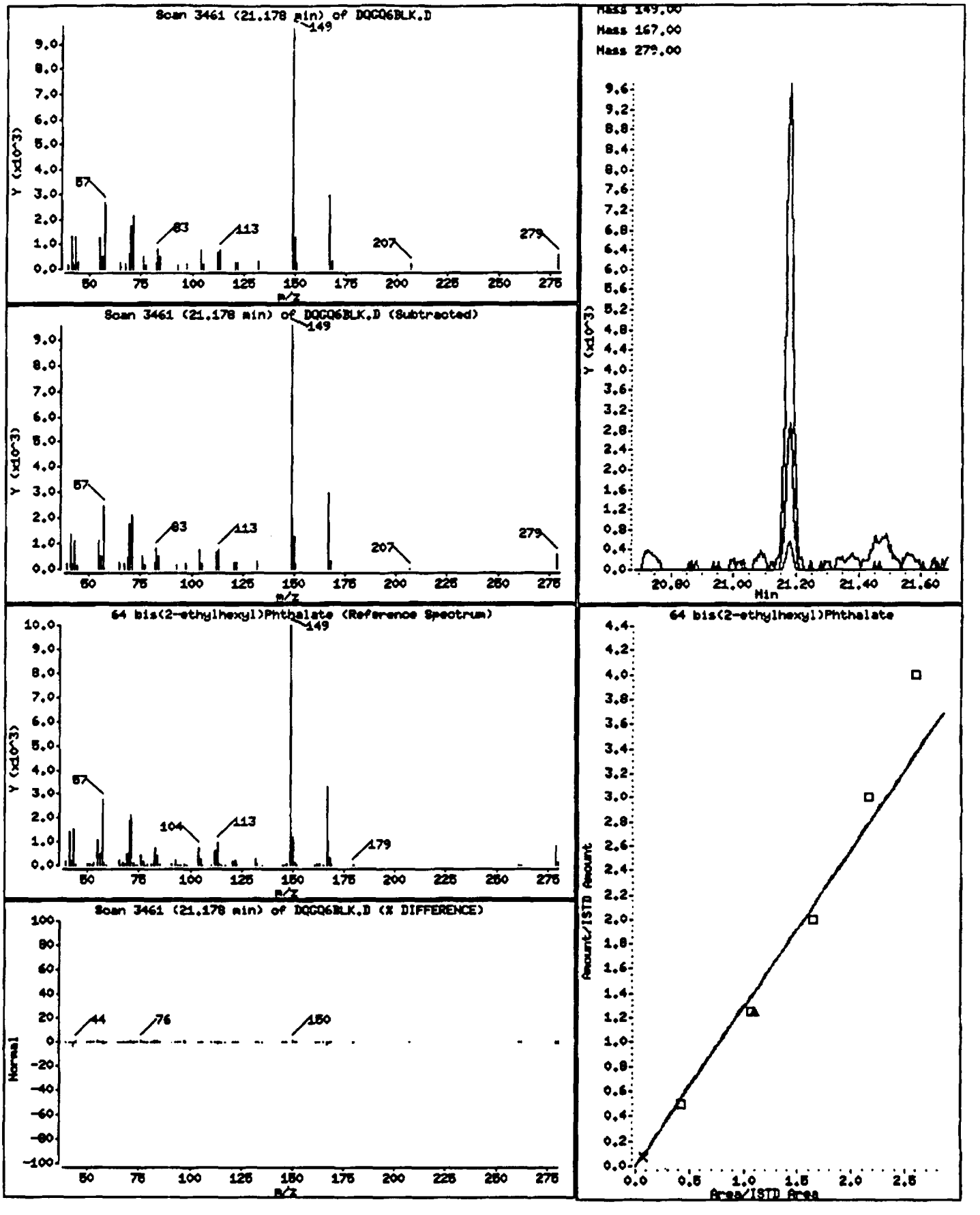
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	21.178	21.186	(1.010)	16314	3.01264	50(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	Compound Not Detected.					
67 Benzo(k)fluoranthene	252	Compound Not Detected.					
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	7.897	7.901	(0.859)	351546	72.5992	1200
$ 73 2-Fluorobiphenyl	172	11.359	11.362	(0.897)	597794	78.9312	1300
$ 74 Terphenyl-d14	244	18.923	18.916	(0.903)	574390	98.6509	1600
$ 75 Phenol-d5	99	6.311	6.303	(0.921)	579993	111.611	1900
$ 76 2-Fluorophenol	112	4.825	4.781	(0.704)	393323	96.2627	1600
$ 77 2,4,6-Tribromophenol	330	14.260	14.268	(0.912)	92464	91.5003	1500
$ 78 2-Chlorophenol-d4	132	6.487	6.485	(0.946)	422162	118.683	2000
$ 79 1,2-Dichlorobenzene-d4	152	7.133	7.137	(1.041)	137208	57.8224	960

QC Flag Legend

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

64 bis(2-ethylhexyl)Phthalate



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQGQ6BLK.D
Lab Smp Id: DQGQ61AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 04-DEC-2000 12:49
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dqgq61aa,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 1 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.856	791619	40.000
* 3 Acenaphthene-d10	12.657	1140373	40.000
* 4 Phenanthrene-d10	15.628	1058366	40.000
* 6 Perylene-d12	23.630	534585	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(MG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
3.437	128711	6.50369536	110	0		0	1
Unknown Aldol Condensate					CAS #:		
4.484	20116207	1016.45903	17000	99		0	1
Unknown					CAS #:		
5.504	91912	4.64423223	77	0		0	1
Acetophenone					CAS #: 98-86-2		
7.620	85506	4.32056330	72	94	NBS75K.1	64535	1
Unknown					CAS #:		
12.406	775818	27.2127804	450	0		0	3
Unknown					CAS #:		
14.570	449590	16.9918535	280	0		0	4
Unknown					CAS #:		
28.048	3410425	255.182992	4200	0		0	6

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Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq61aa,01204a.b,clp31,1-clp90.sub

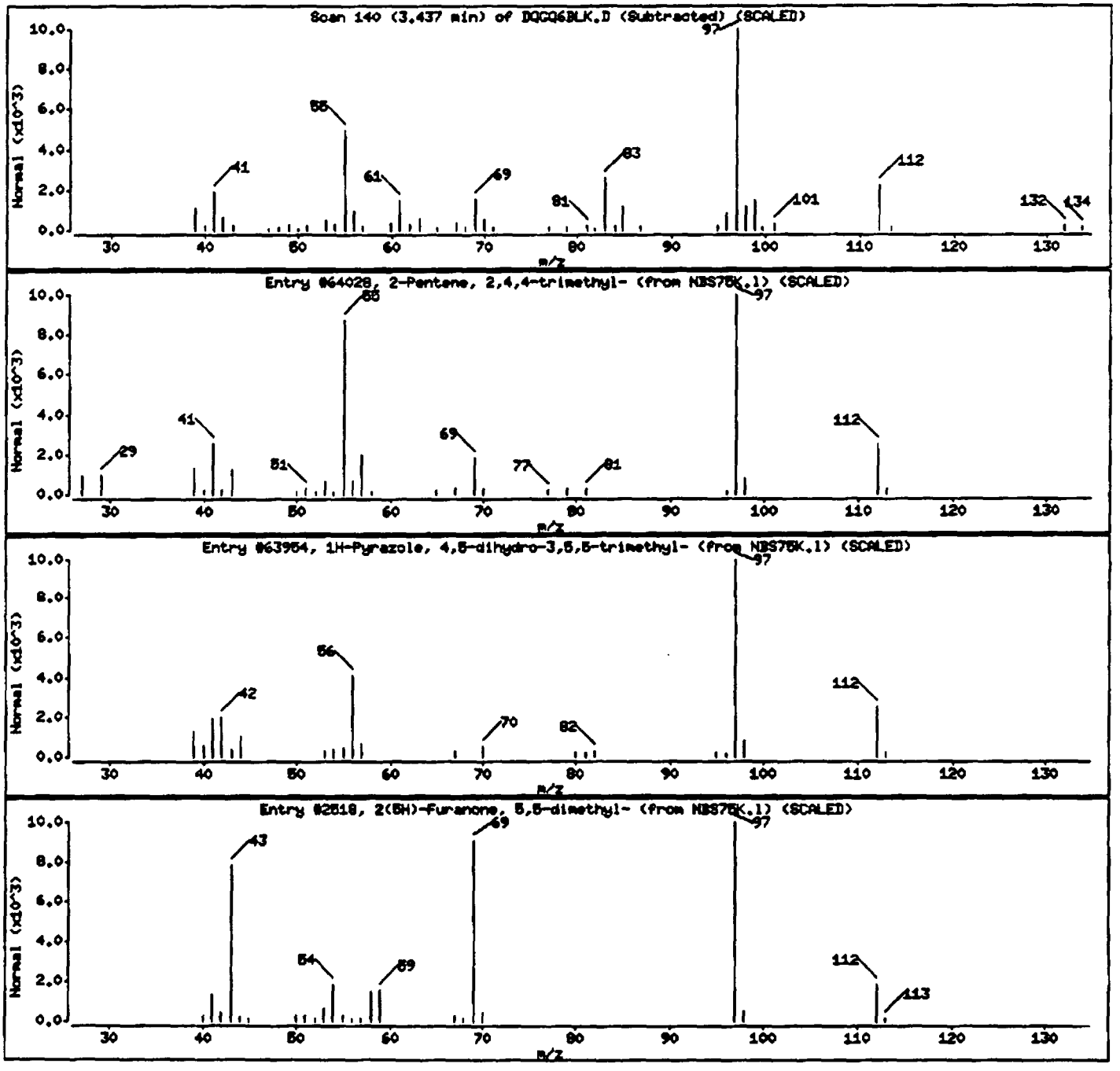
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentene, 2,4,4-trimethyl-	107-40-4	NBS75K.l	64028	83	C8H16	112
1H-Pyrazole, 4,5-dihydro-3,5,5-trimethyl	3975-85-7	NBS75K.l	63954	49	C6H12N2	112
2(5H)-Furanone, 5,5-dimethyl-	20019-64-1	NBS75K.l	2518	49	C6H8O2	112



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Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: deqq61aa,01204a.b,olp31,1-olp90.sub

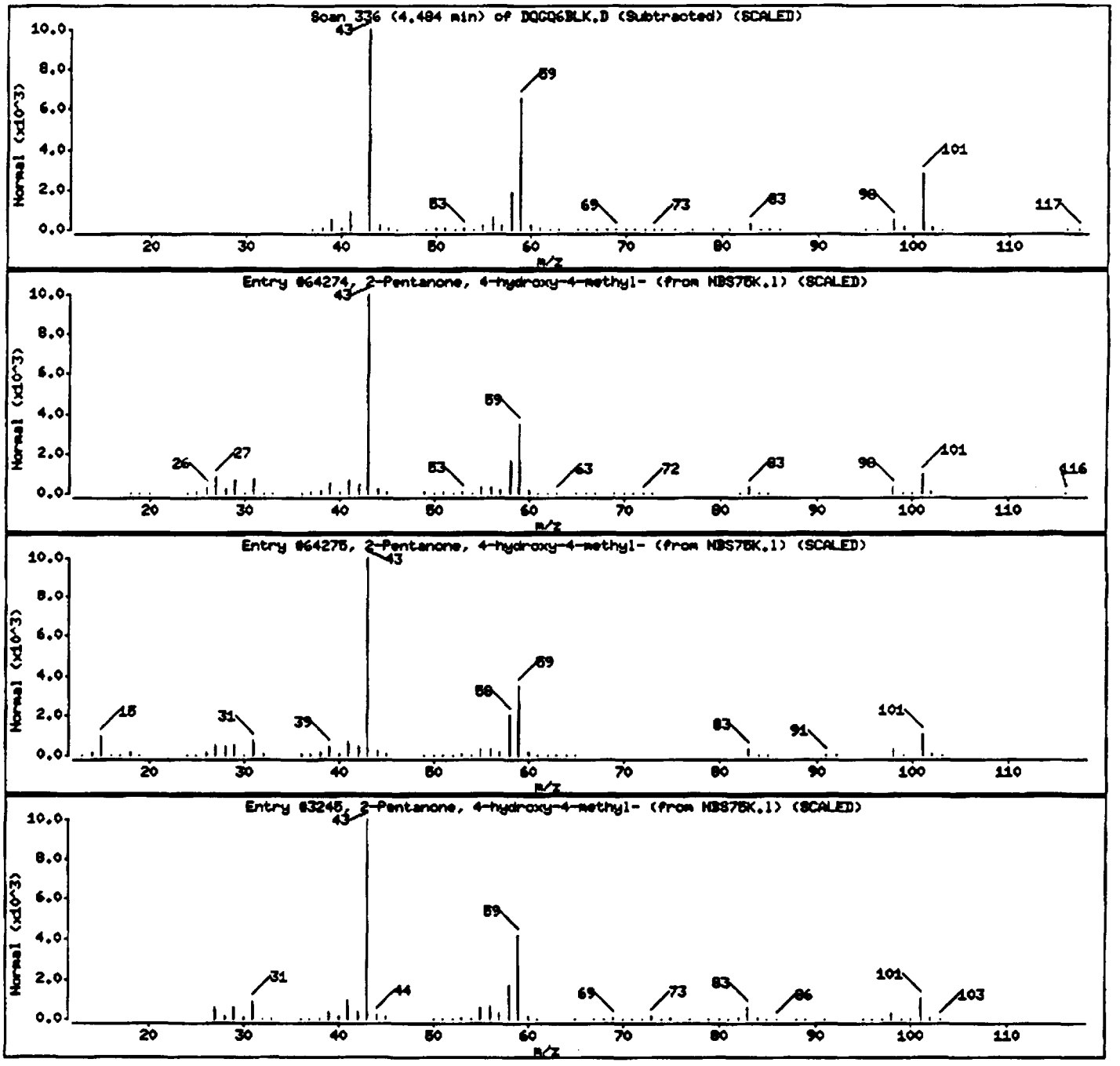
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	38	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	3245	28	C6H12O2	116



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Date : 04-DEC-2000 12:49

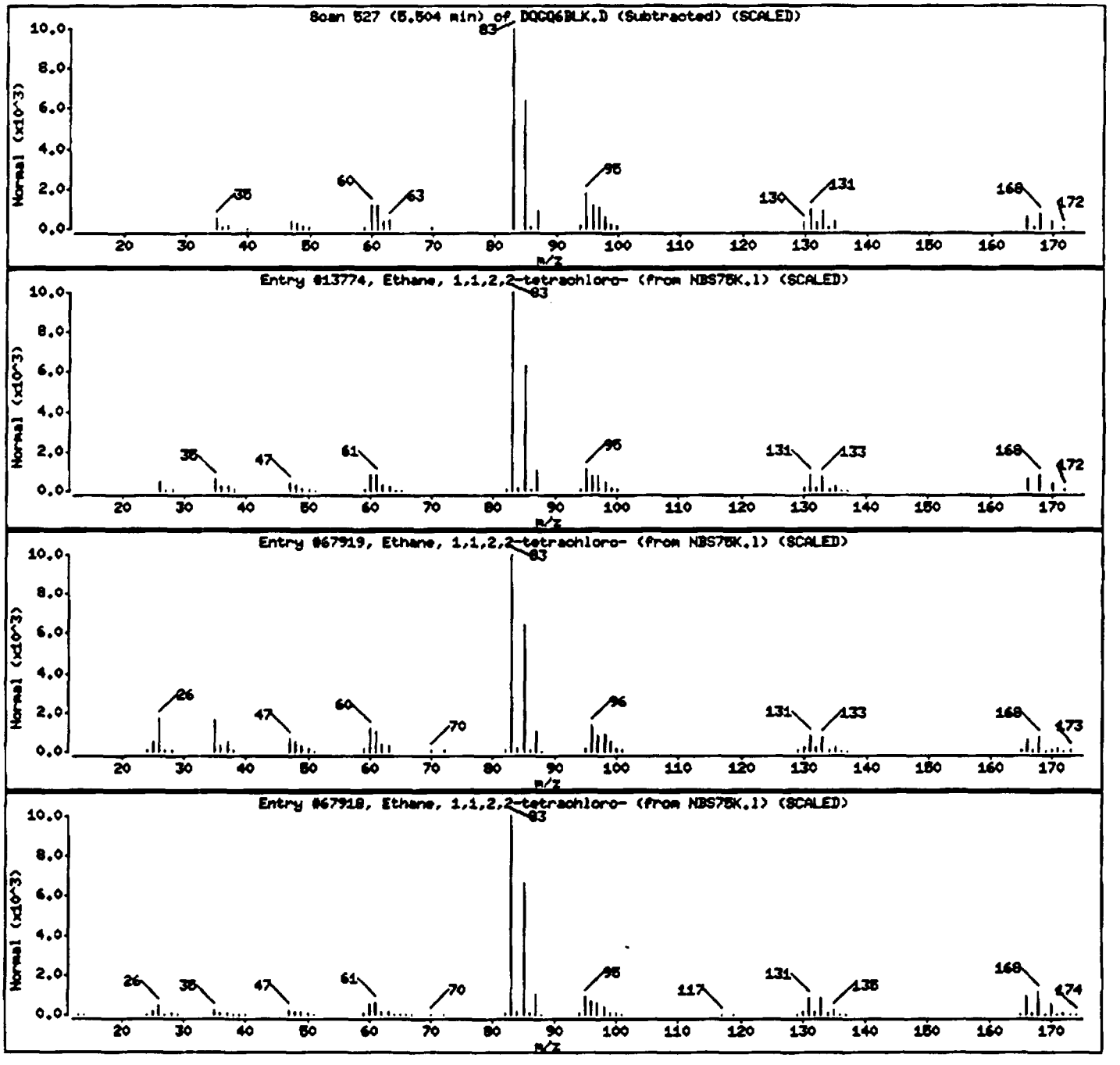
Client ID: INTRA-LAB BLANK Instrument: a4hp9.i

Sample Info: dqgq61aa,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	13774	96	C2H2Cl4	166
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	67919	91	C2H2Cl4	166
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	67918	81	C2H2Cl4	166



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Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqgq61aa,01204a.b,olp31,1-olp90.sub

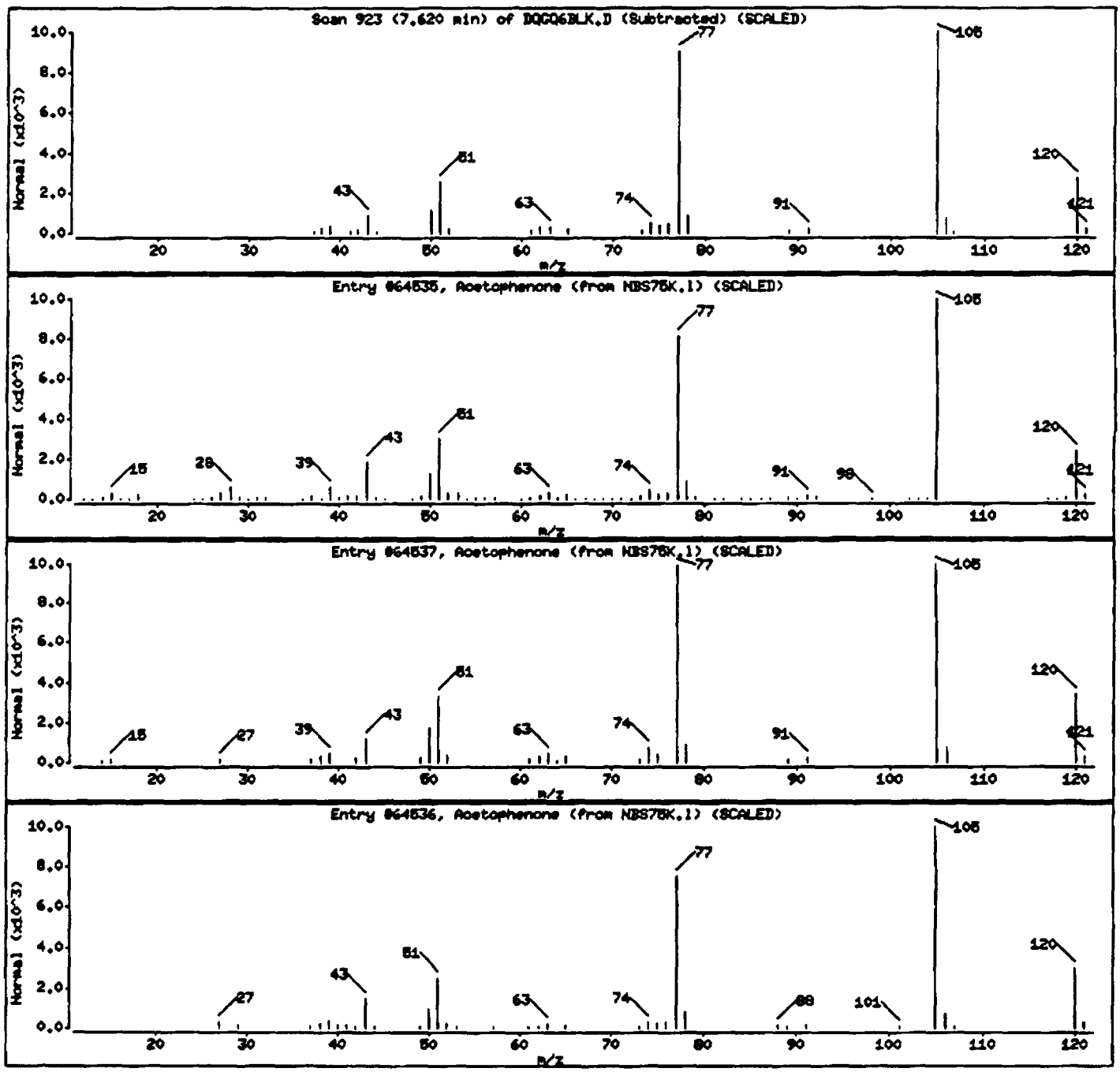
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetophenone	98-86-2	NBS75K.l	64535	94	C8H8O	120
Acetophenone	98-86-2	NBS75K.l	64537	93	C8H8O	120
Acetophenone	98-86-2	NBS75K.l	64536	91	C8H8O	120



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Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq61aa,01204a.b,olp31,1-olp90.sub

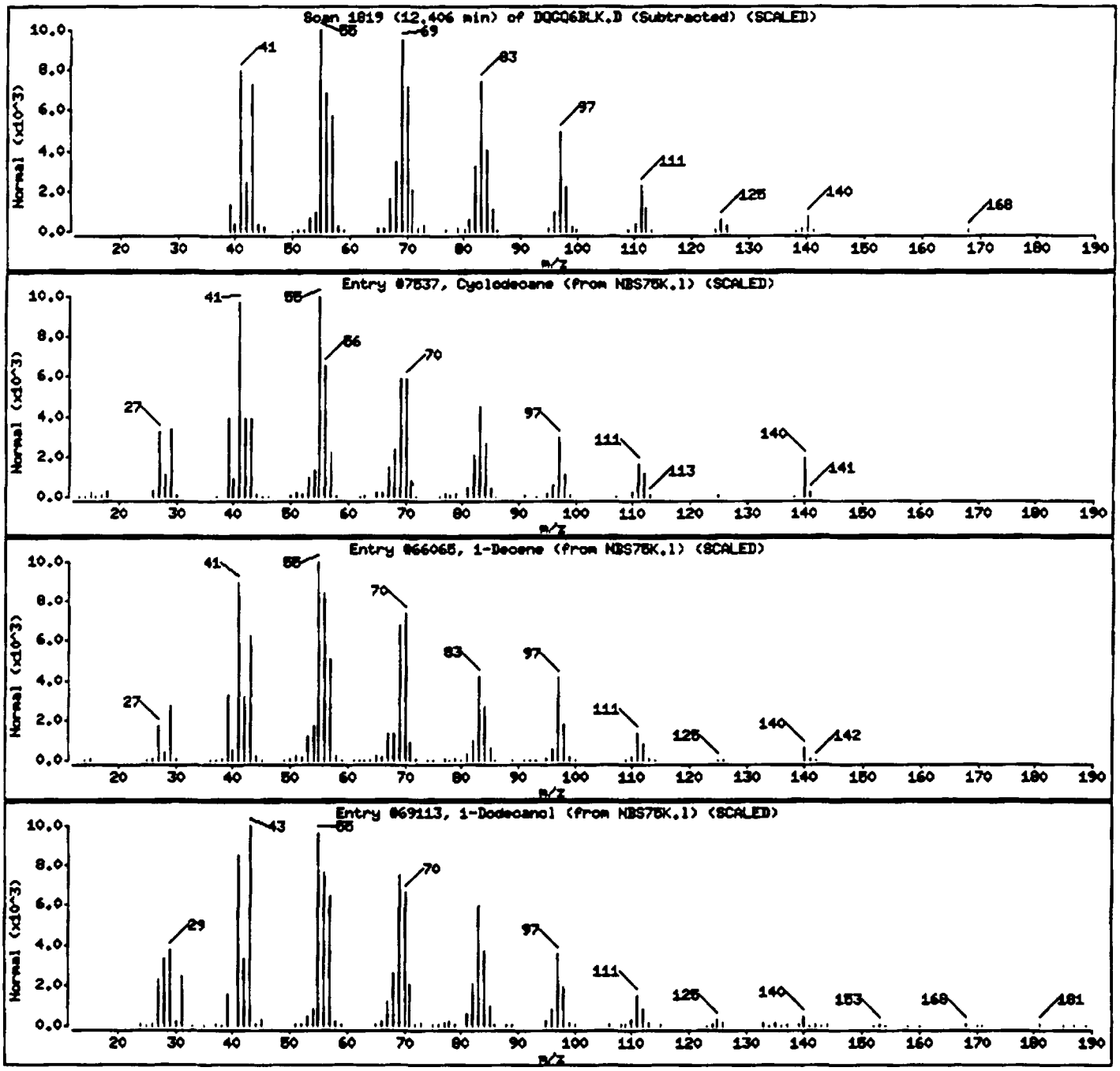
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclodecane	293-96-9	NBS75K.l	7537	94	C10H20	140
1-Decene	872-05-9	NBS75K.l	66065	94	C10H20	140
1-Dodecanol	112-53-8	NBS75K.l	69113	91	C12H26O	186



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Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqgq61aa,01204a.b,olp31,1-olp90.sub

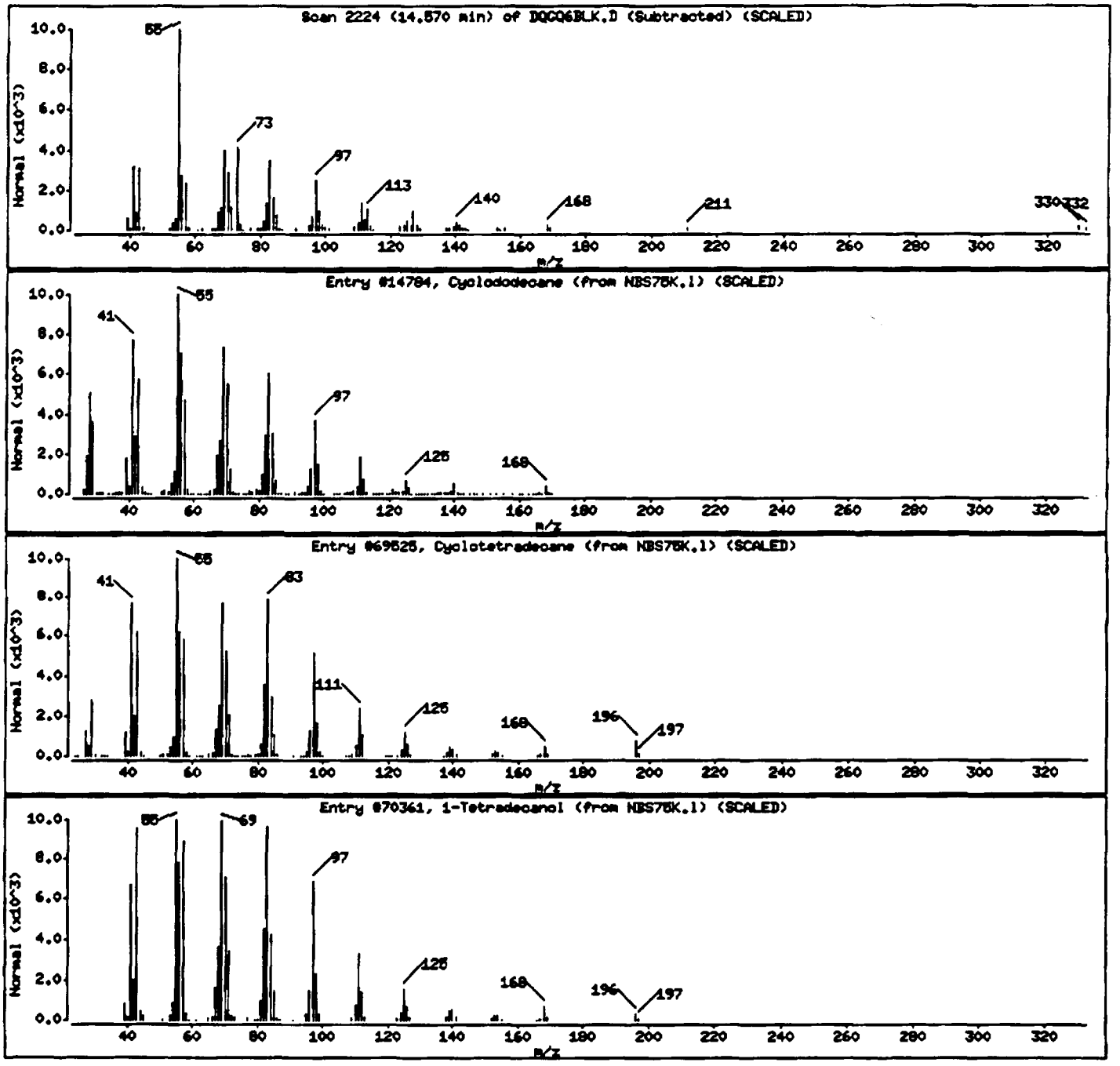
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NBS75K.l	14784	93	C12H24	168
Cyclotetradecane	295-17-0	NBS75K.l	69525	76	C14H28	196
1-Tetradecanol	112-72-1	NBS75K.l	70361	76	C14H30O	214



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\DQCQ6BLK.D

Date : 04-DEC-2000 12:49

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqgq61aa,01204a.b,clp31,i-clp90.sub

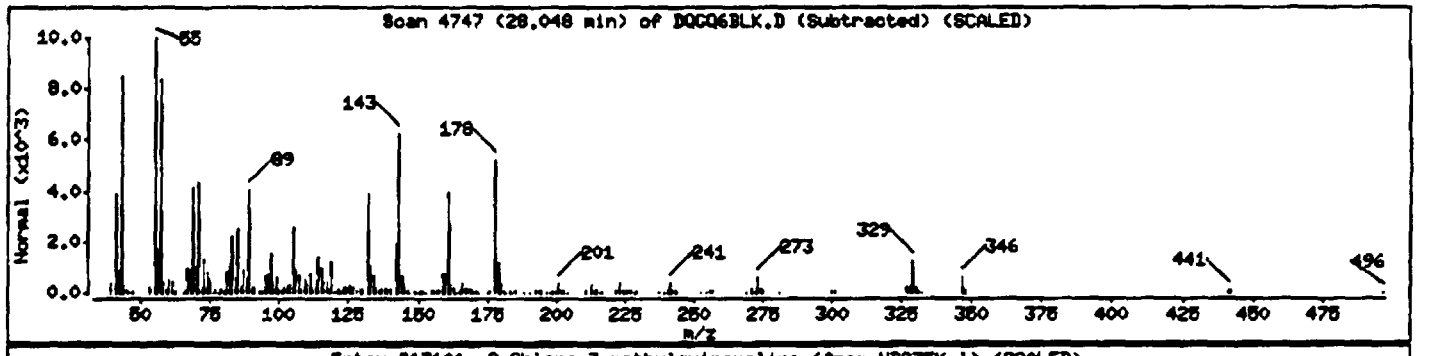
Volume Injected (uL): 2.0

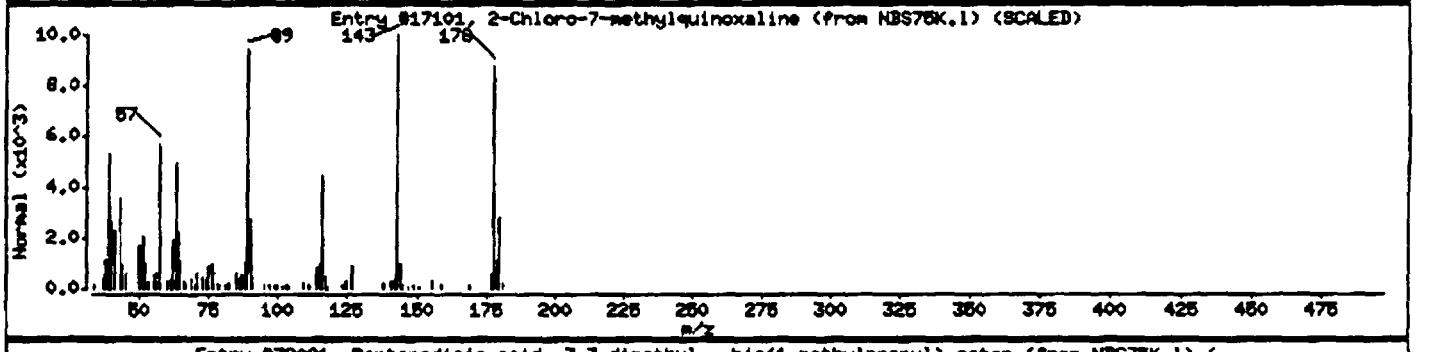
Operator: 001574

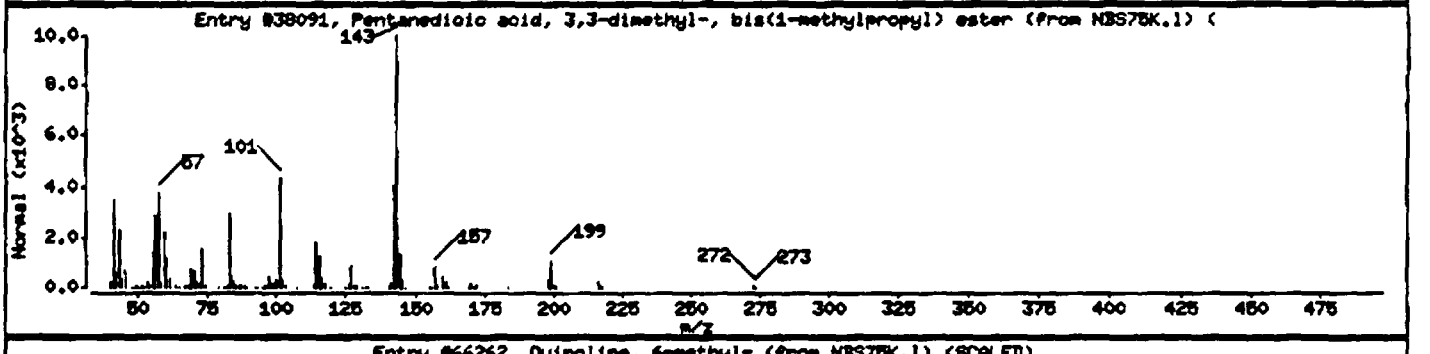
Column phase:

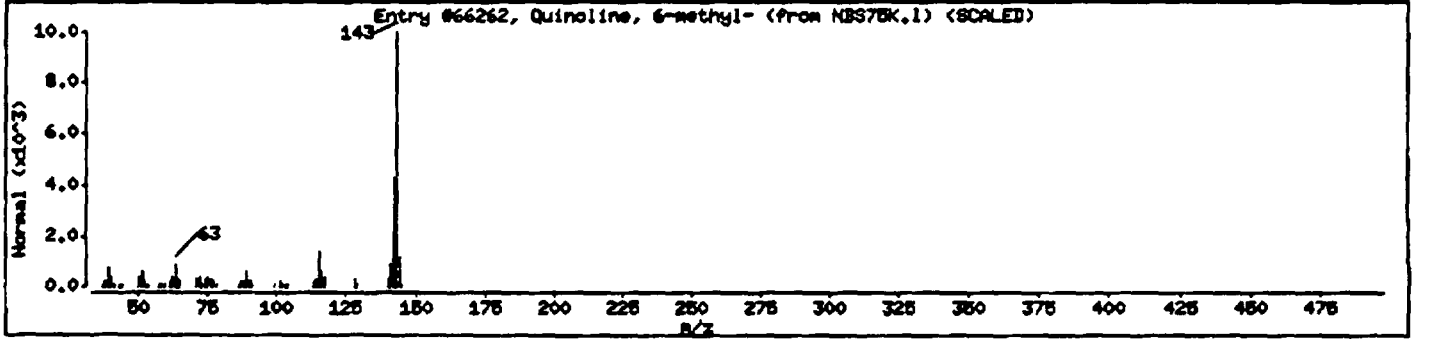
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Chloro-7-methylquinoxaline	0-00-0	NBS75K.l	17101	16	C9H7ClN2	178
Pentanedioic acid, 3,3-dimethyl-, bis(1-	57983-32-1	NBS75K.l	38091	15	C15H2804	272
Quinoline, 6-methyl-	91-62-3	NBS75K.l	66262	11	C10H9N	143









RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 105
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/08/00
Work Order: DQGQ81AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334105

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitrosodi-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 105
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/08/00
Work Order: DQGQ81AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334105

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethyl phthalate	330	U
7005-72-3	4-Chlorophenyl phenyl ether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl phenyl ether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butyl phthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butyl benzyl phthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 105
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 11/08/00
Work Order: DQGQ81AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334105

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	62	J
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(ghi)perylene	330	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K290000 105
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

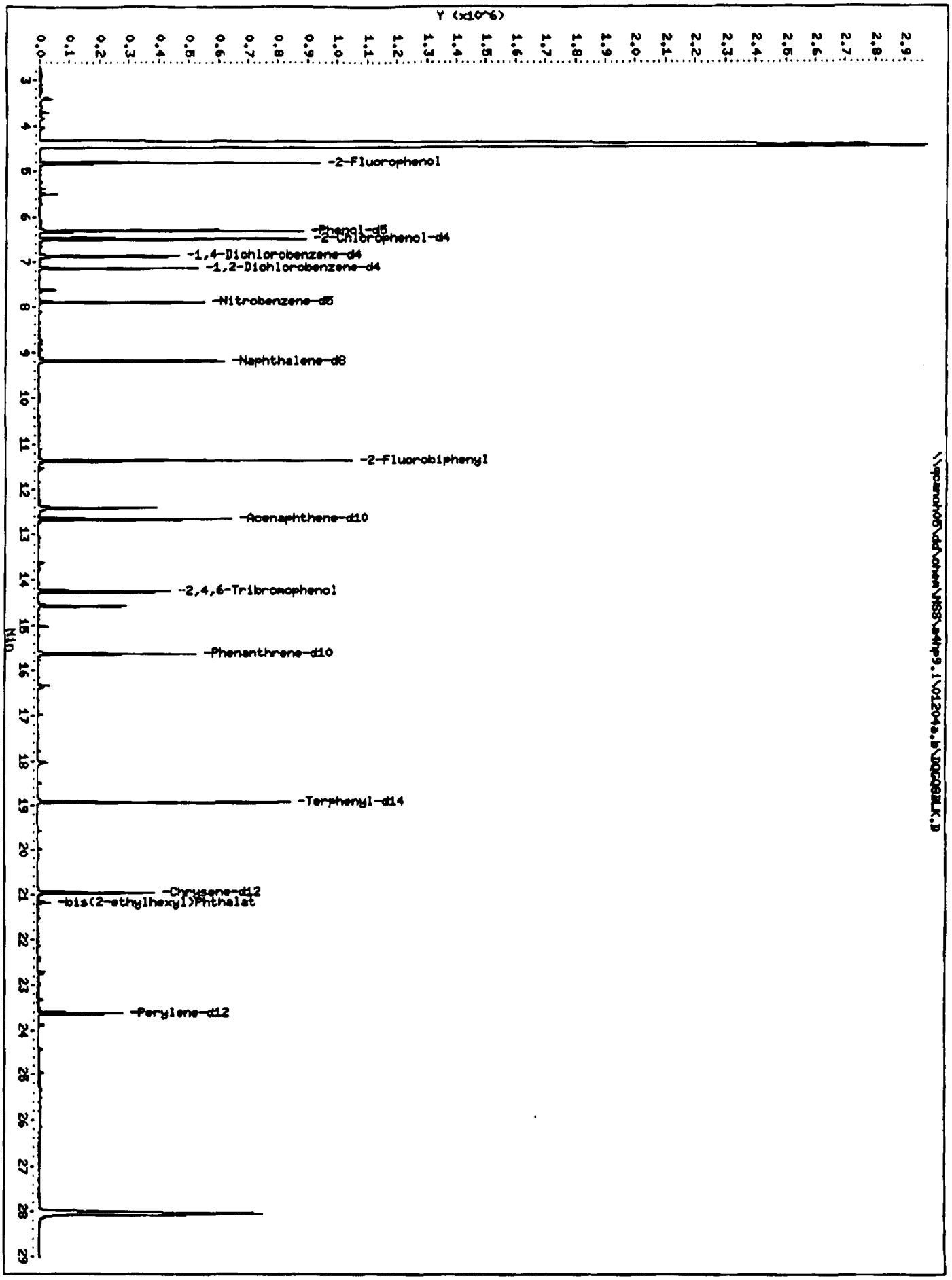
Sample WT/Vol: 30 / g Date Received: 11/08/00
Work Order: DQGQ81AA Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:NA

QC Batch: 0334105

Client Sample Id: INTRA-LAB BLANK

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.4321	100	J
	Unknown Aldol Condensate	4.4738	17000	JA
	Unknown	5.4995	71	J
98-86-2	Acetophenone	7.6203	86	NJ
	Unknown	12.406	430	J
	Unknown	14.57	320	J
	Unknown	18.032	71	J
	Unknown	28.043	4000	J


Y (x10^6)
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
Min

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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQGQ8BLK.D
Lab Smp Id: DQGQ81AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 04-DEC-2000 13:27
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dqgq81aa,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 1 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.856	6.859	(1.000)	107248	40.0000	
* 2 Naphthalene-d8	136	9.190	9.199	(1.000)	422553	40.0000	
* 3 Acenaphthene-d10	164	12.658	12.671	(1.000)	244199	40.0000	
* 4 Phenanthrene-d10	188	15.622	15.631	(1.000)	331856	40.0000	
* 5 Chrysene-d12	240	20.959	20.973	(1.000)	221797	40.0000	
* 6 Perylene-d12	264	23.625	23.633	(1.000)	173010	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

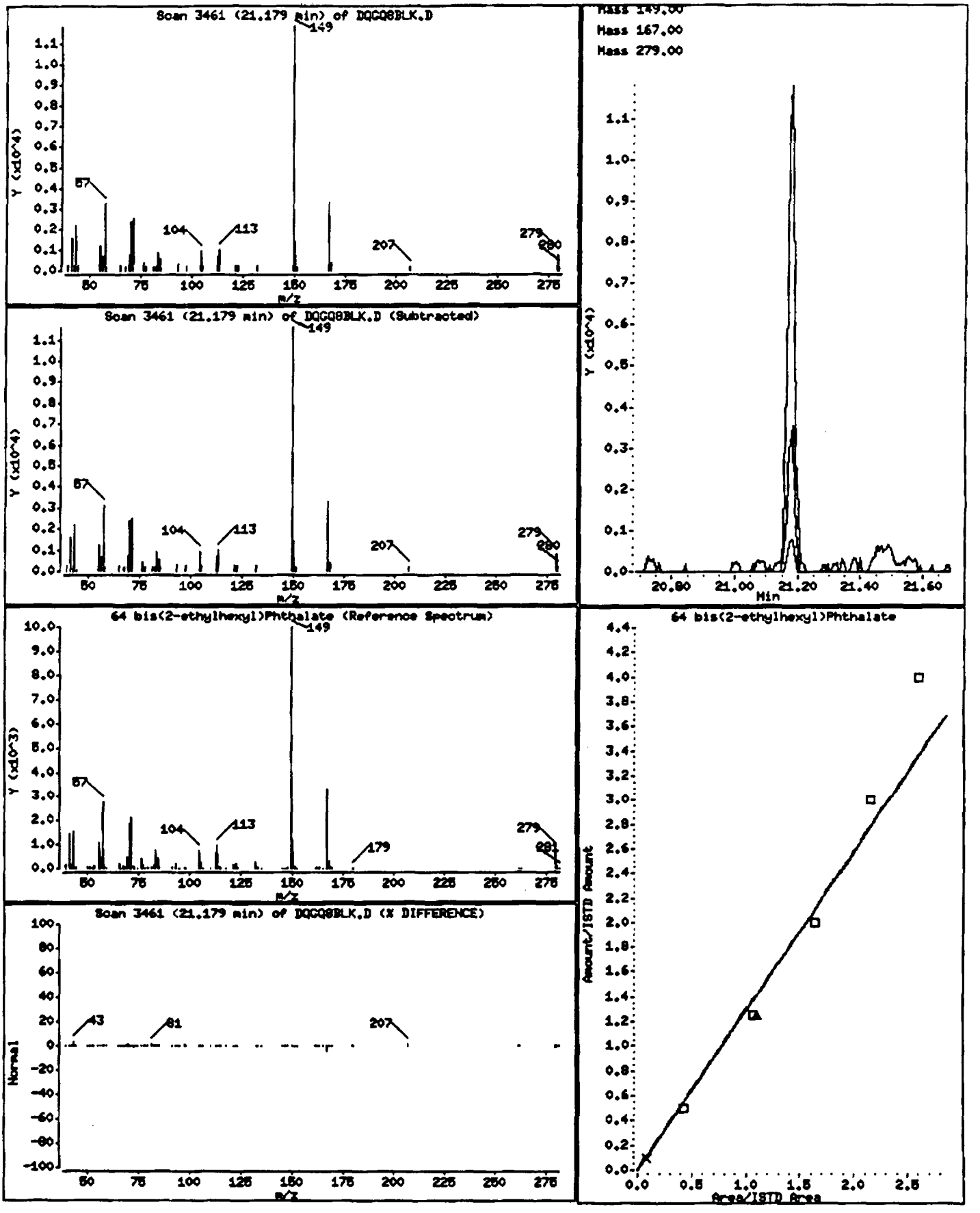
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	21.178	21.186	(1.010)	18197	3.72463	62(a)
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.898	7.901	(0.859)	307891	72.6974	1200
$	73 2-Fluorobiphenyl	172	11.359	11.362	(0.897)	523196	79.2188	1300
$	74 Terphenyl-d14	244	18.918	18.916	(0.903)	508685	96.8367	1600
$	75 Phenol-d5	99	6.311	6.303	(0.921)	502615	110.360	1800
$	76 2-Fluorophenol	112	4.826	4.781	(0.704)	348396	97.2906	1600
$	77 2,4,6-Tribromophenol	330	14.260	14.268	(0.913)	78742	90.2167	1500
$	78 2-Chlorophenol-d4	132	6.487	6.485	(0.946)	372276	119.416	2000
$	79 1,2-Dichlorobenzene-d4	152	7.134	7.137	(1.041)	121473	58.4098	970

QC Flag Legend

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

64 bis(2-ethylhexyl)Phthalate



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQGQ8BLK.D
Lab Smp Id: DQGQ81AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 04-DEC-2000 13:27
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dqgq81aa,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 1 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.856	698154	40.000
* 3 Acenaphthene-d10	12.658	1006528	40.000
* 4 Phenanthrene-d10	15.623	907175	40.000
* 6 Perylene-d12	23.625	488202	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(MG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.432	110173	6.31221893	100	0		0	1
Unknown Aldol Condensate				CAS #:			
4.474	17932208	1027.40702	17000	99		0	1
Unknown				CAS #:			
5.500	74656	4.27734269	71	0		0	1
Acetophenone				CAS #: 98-86-2			
7.620	89743	5.14173091	86	97	NBS75K.1	3752	1
Unknown				CAS #:			
12.407	656705	26.0978333	430	0		0	3
Unknown				CAS #:			
14.570	432480	19.0693086	320	0		0	4
Unknown				CAS #:			
18.032	96783	4.26744564	71	0		0	4
Unknown				CAS #:			
28.043	2969369	243.290195	4000	0		0	6

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Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq81aa,01204a.b,olp31,1-olp90,sub

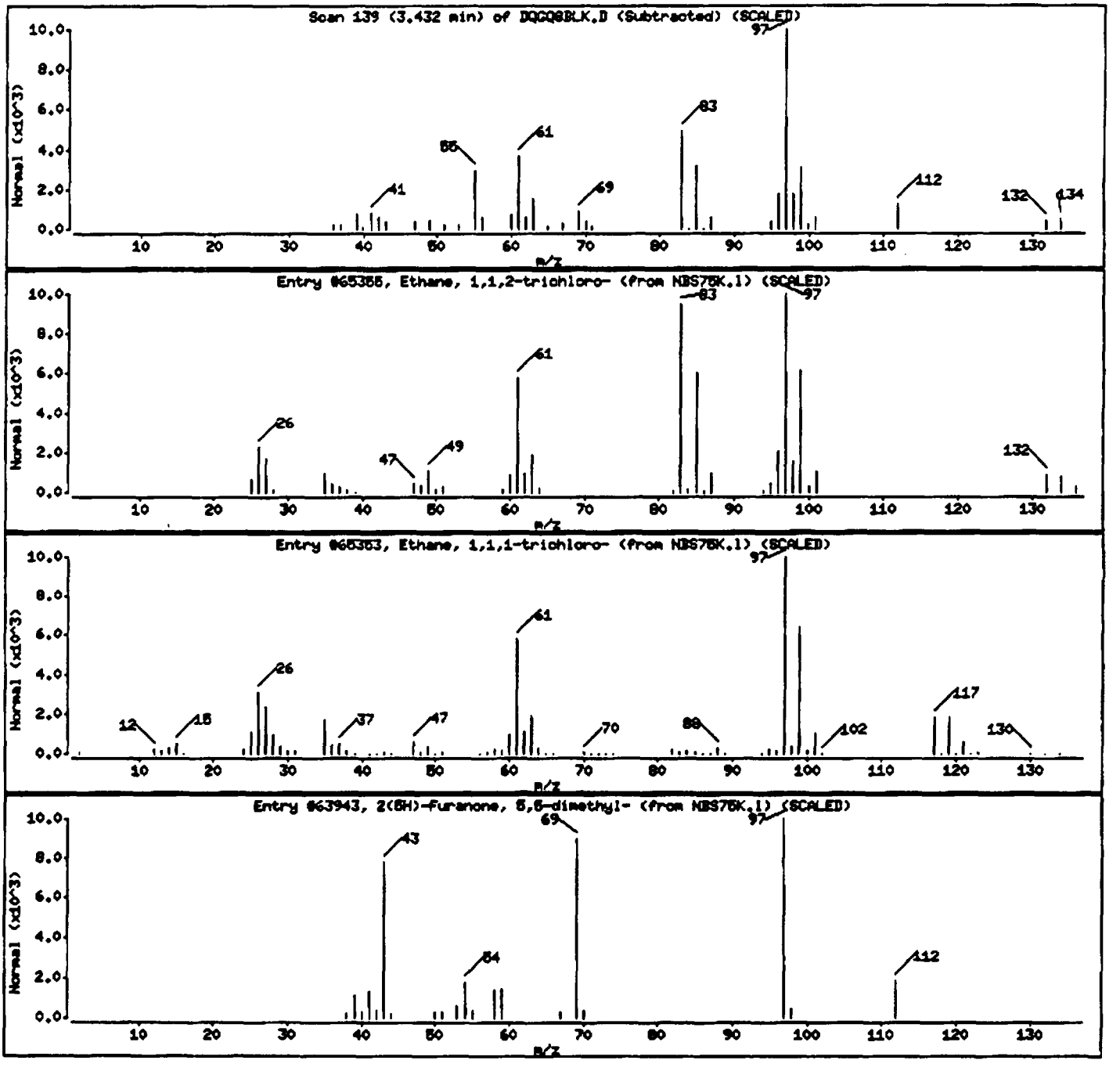
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethane, 1,1,2-trichloro-	79-00-5	NBS75K.l	65355	70	C2H3Cl3	132
Ethane, 1,1,1-trichloro-	71-55-6	NBS75K.l	65353	27	C2H3Cl3	132
2(5H)-Furanone, 5,5-dimethyl-	20019-64-1	NBS75K.l	63943	27	C6H8O2	112



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Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq81aa,01204a.b,olp31,1-olp90.sub

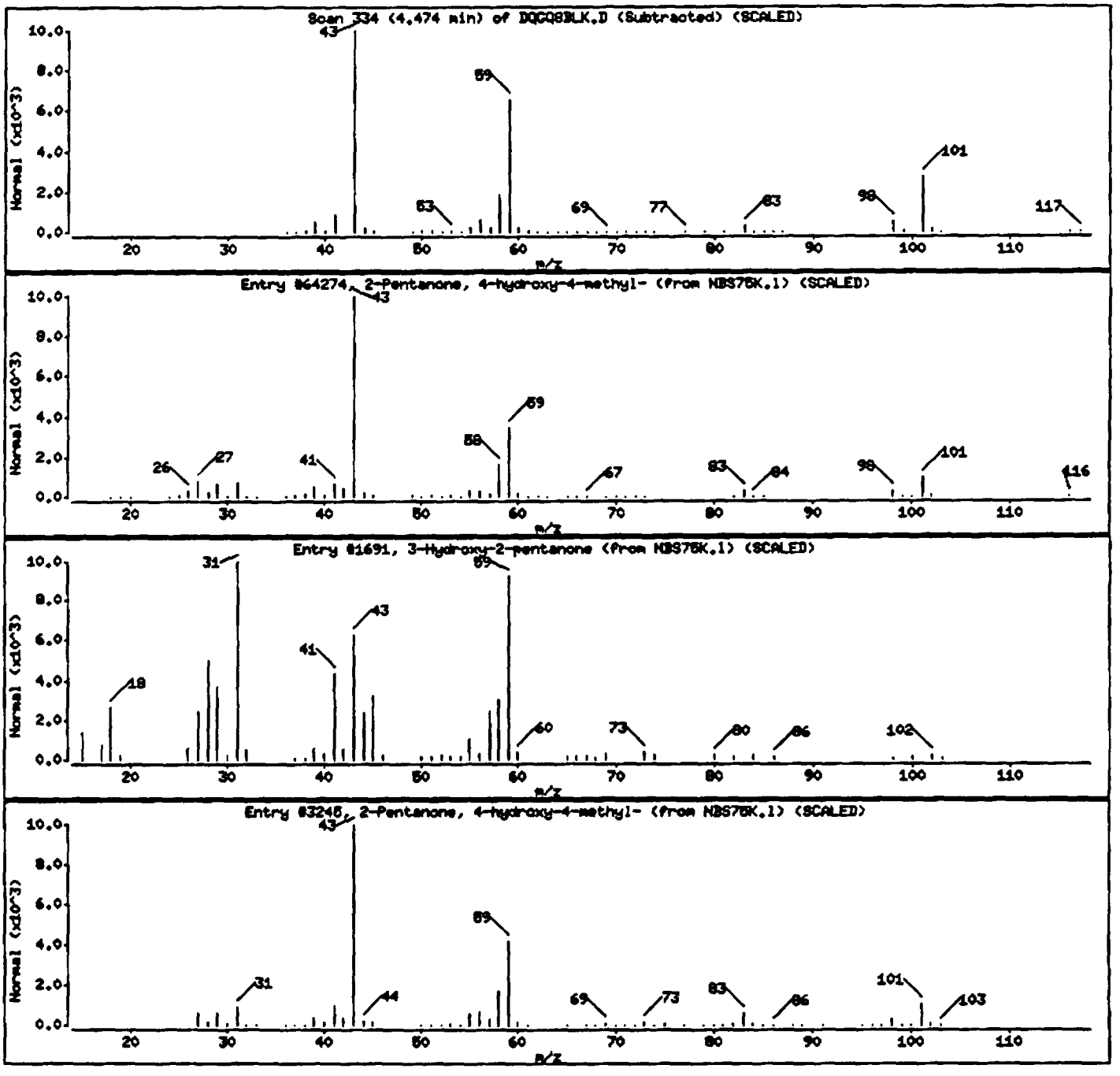
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	50	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	32	C5H10O2	102
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	29	C6H12O2	116



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Date : 04-DEC-2000 13:27

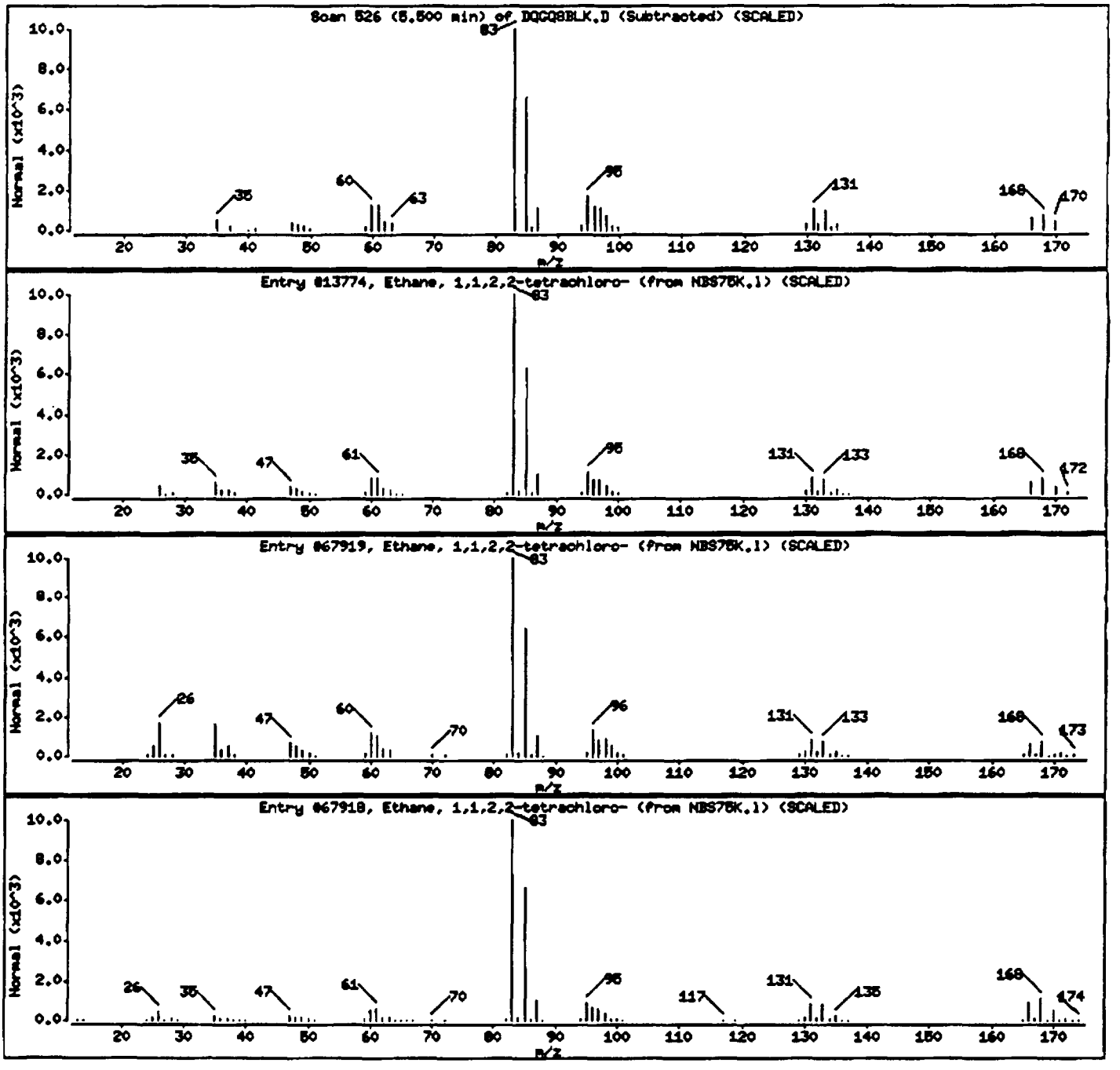
Client ID: INTRA-LAB BLANK Instrument: a4hp9.i

Sample Info: dqgq81aa,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	13774	97	C2H2Cl4	166
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	67919	91	C2H2Cl4	166
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NBS75K.l	67918	90	C2H2Cl4	166



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Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq81aa,01204a.b,clp31,1-clp90.sub

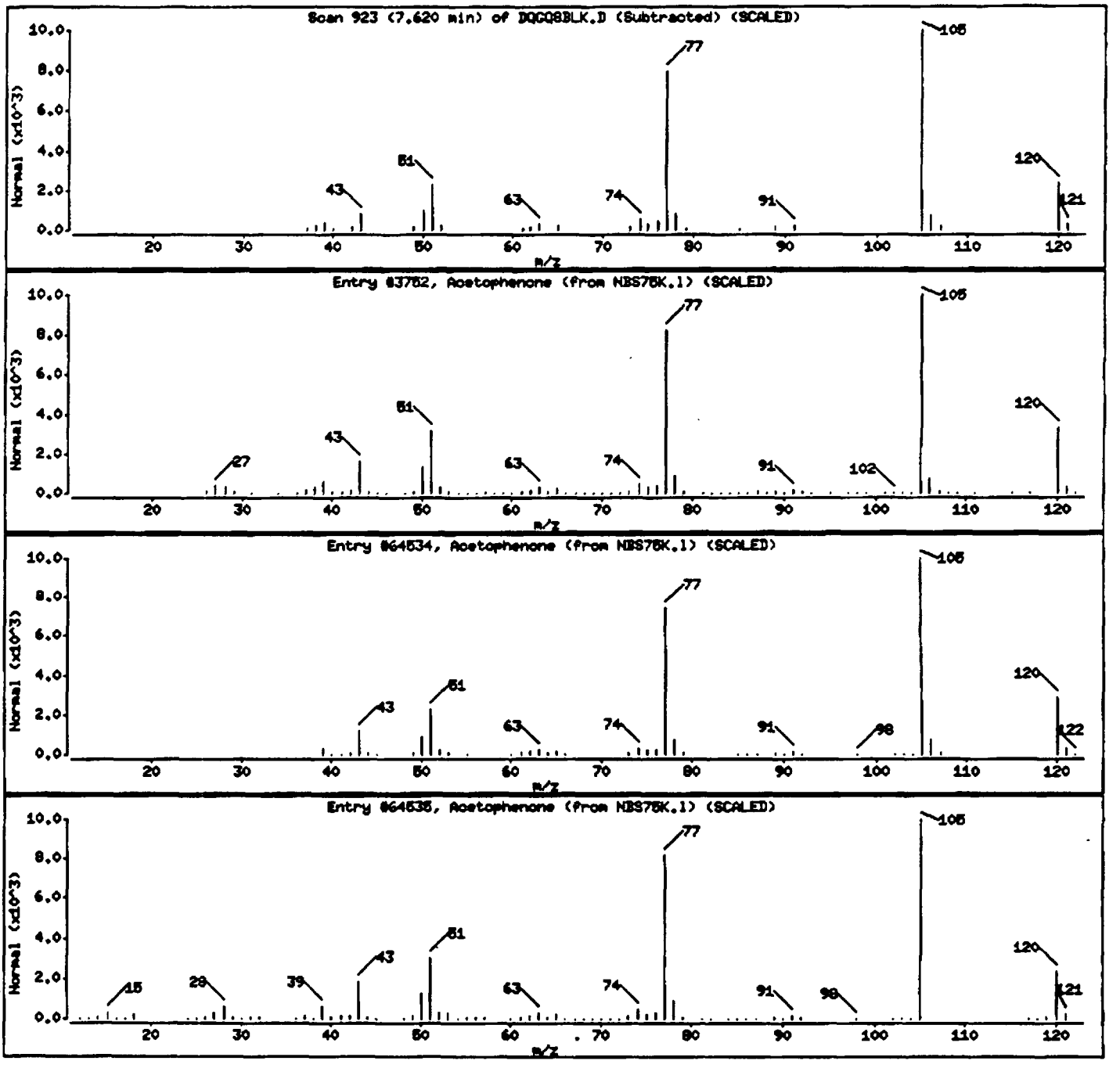
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetophenone	98-86-2	NBS75K.l	3752	97	C8H8O	120
Acetophenone	98-86-2	NBS75K.l	64534	95	C8H8O	120
Acetophenone	98-86-2	NBS75K.l	64535	95	C8H8O	120



Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQCQ8BLK.D

Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqcq81aa,01204a.b,clp31,1-clp90,sub

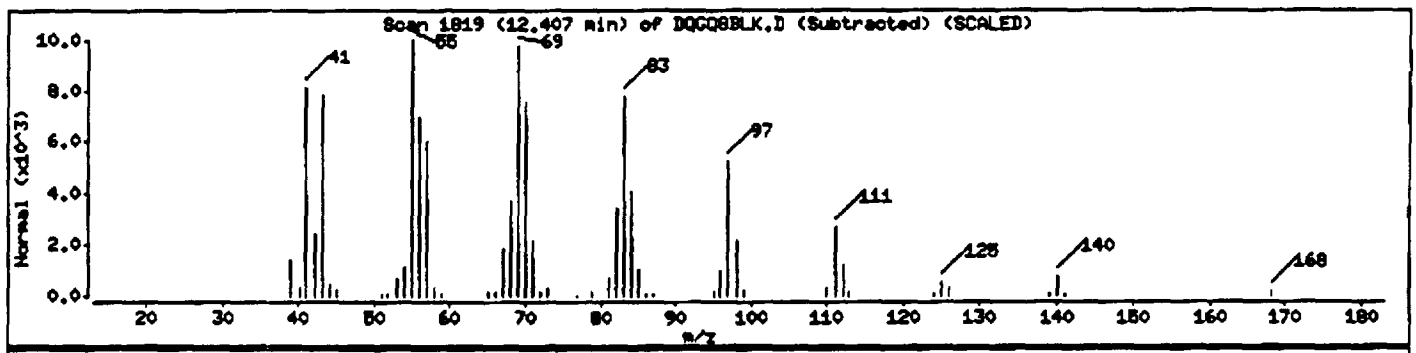
Volume Injected (uL): 2.0

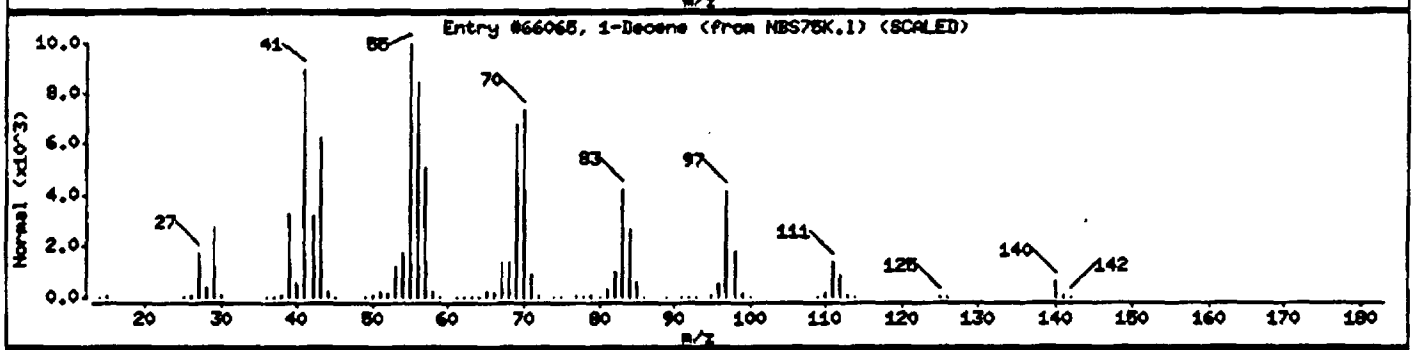
Operator: 001874

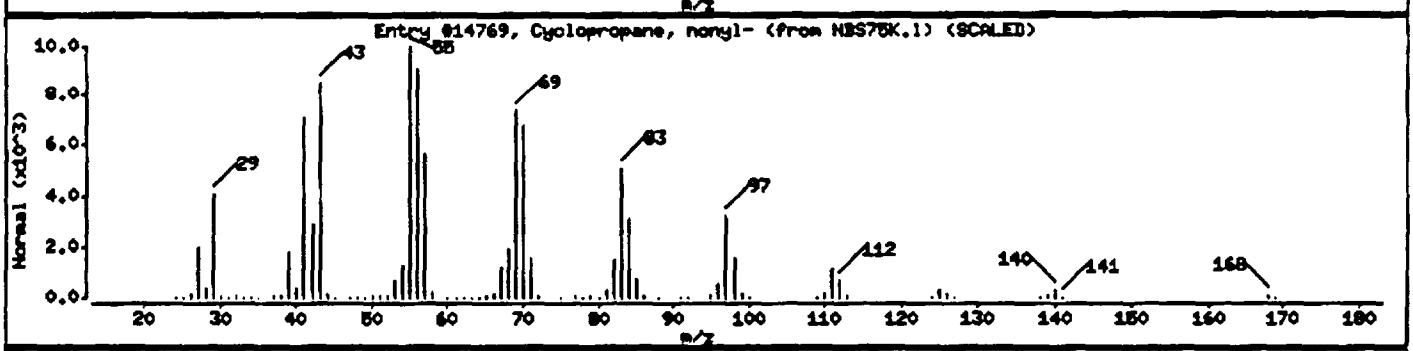
Column phase:

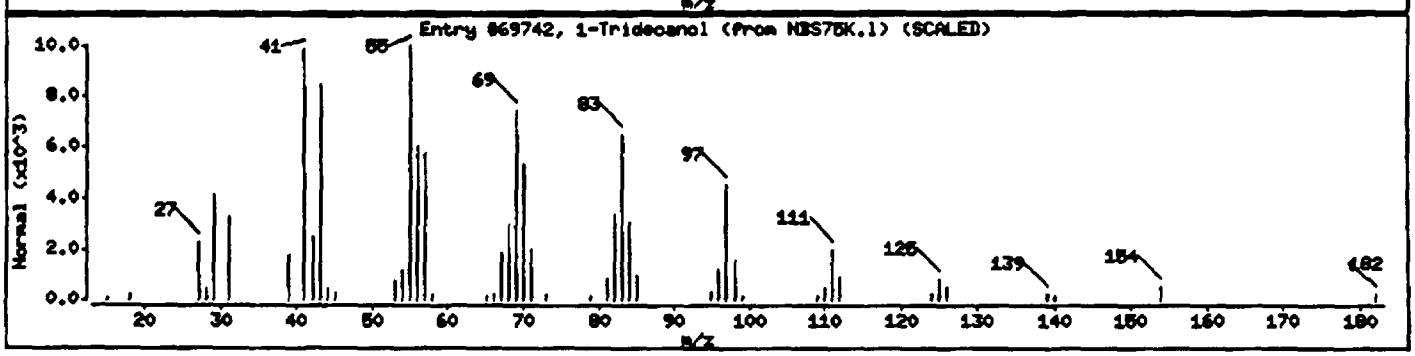
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Decene	872-05-9	NBS75K.l	66065	94	C10H20	140
Cyclopropane, nonyl-	74663-85-7	NBS75K.l	14769	94	C12H24	168
1-Tridecanol	112-70-9	NBS75K.l	69742	91	C13H28O	200









Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\DQCQ8BLK.D

Date : 04-DEC-2000 13:27

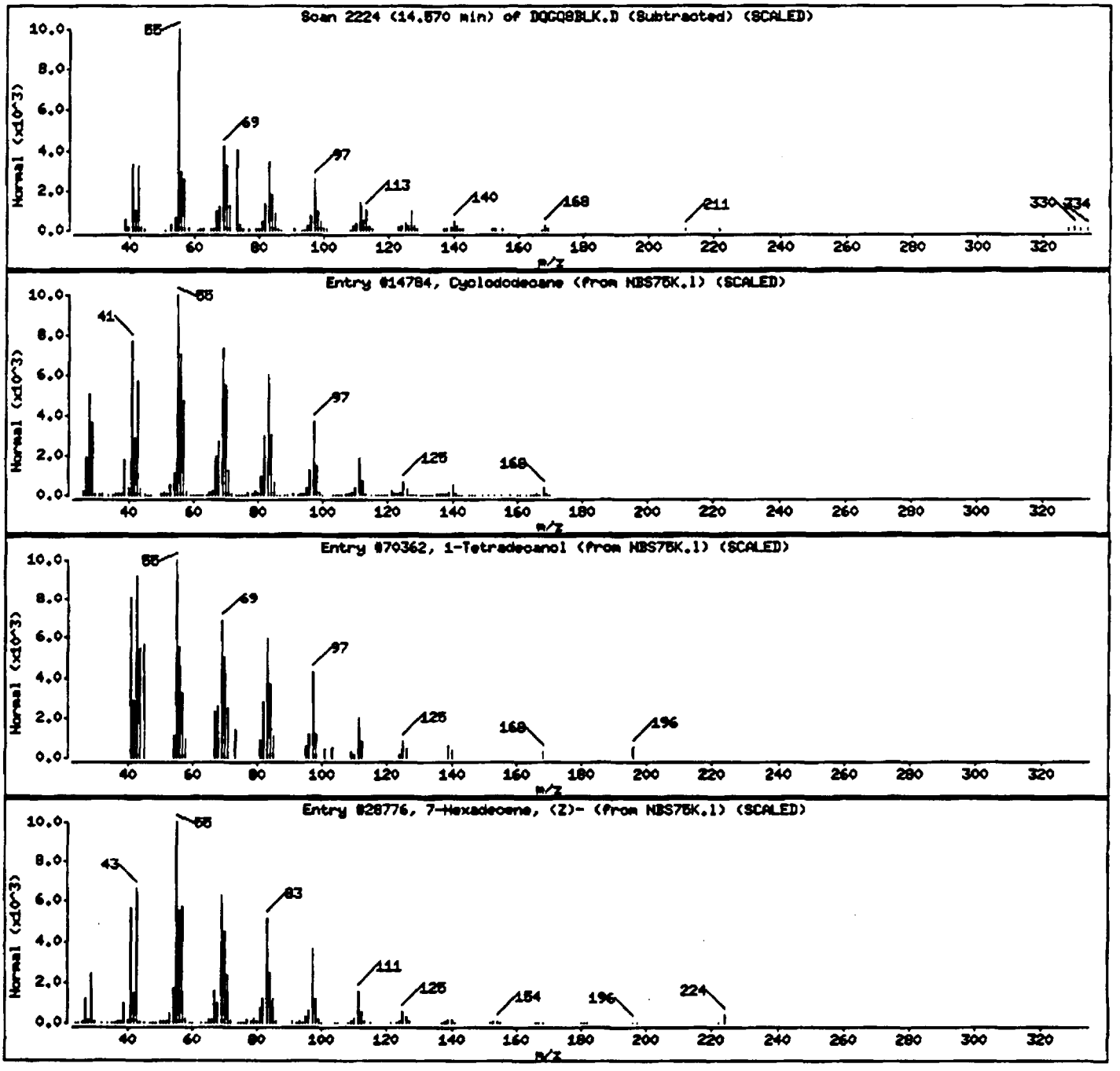
Client ID: INTRA-LAB BLANK Instrument: a4hp9.i

Sample Info: dqgq81aa,01204a.b,olp31,1-olp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NBS75K.l	14784	93	C12H24	168
1-Tetradecanol	112-72-1	NBS75K.l	70362	72	C14H30O	214
7-Hexadecene, (Z)-	35507-09-6	NBS75K.l	28776	68	C16H32	224



Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\DQCQ8BLK.D

Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqgq81aa,01204a,b,olp31,1-olp90,sub

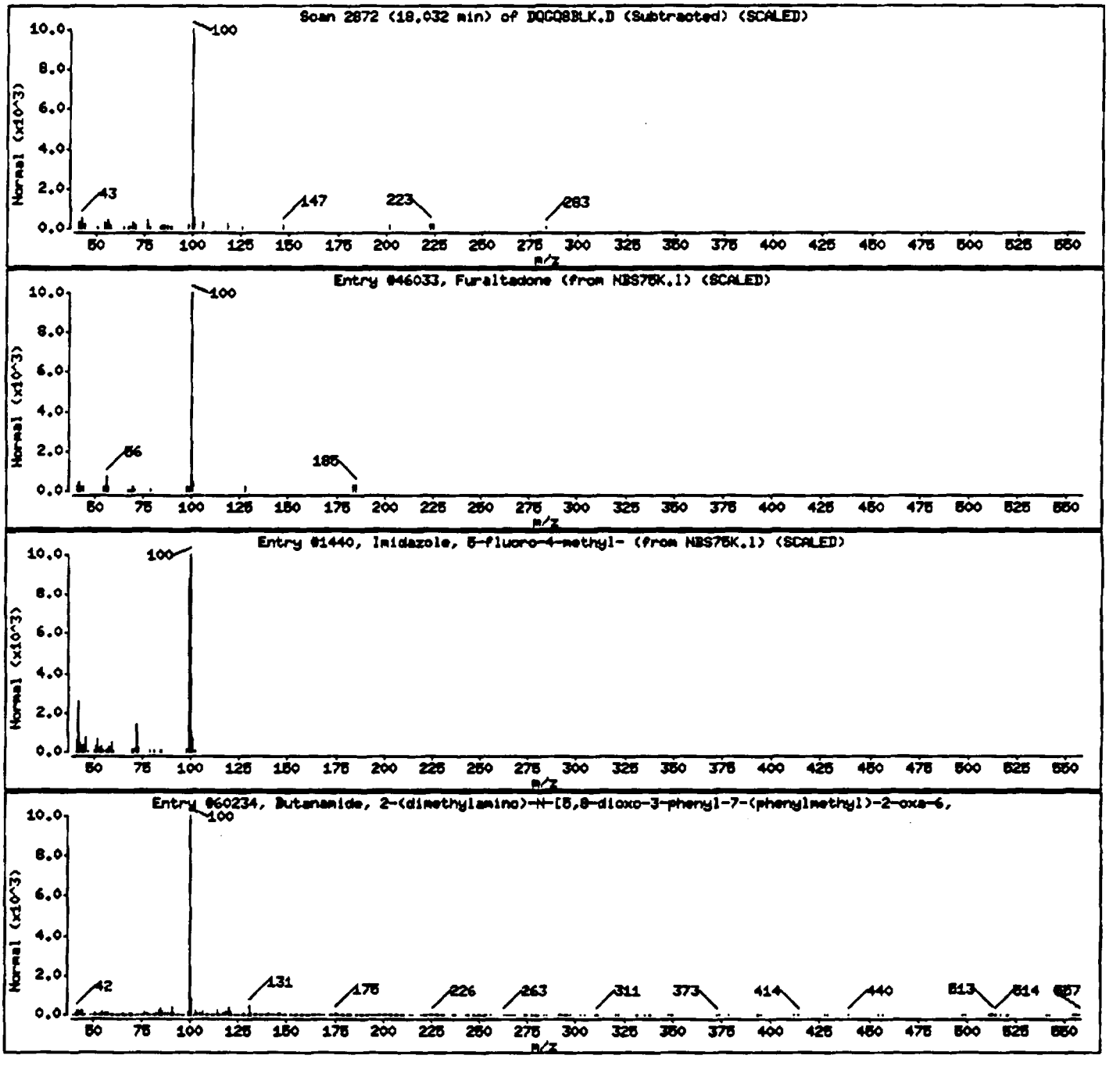
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Furaltadone	139-91-3	NBS75K.1	46033	39	C13H16N4O6	324
Imidazole, 5-fluoro-4-methyl-	0-00-0	NBS75K.1	1440	39	C4H5FN2	100
Butanamide, 2-(dimethylamino)-N-[5,8-dio	55517-68-5	NBS75K.1	60234	39	C33H40N4O4	556



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\DQCQSBLK.D

Date : 04-DEC-2000 13:27

Client ID: INTRA-LAB BLANK

Instrument: a4hp9.i

Sample Info: dqqq61aa,01204a.b,olp31,1-olp90.sub

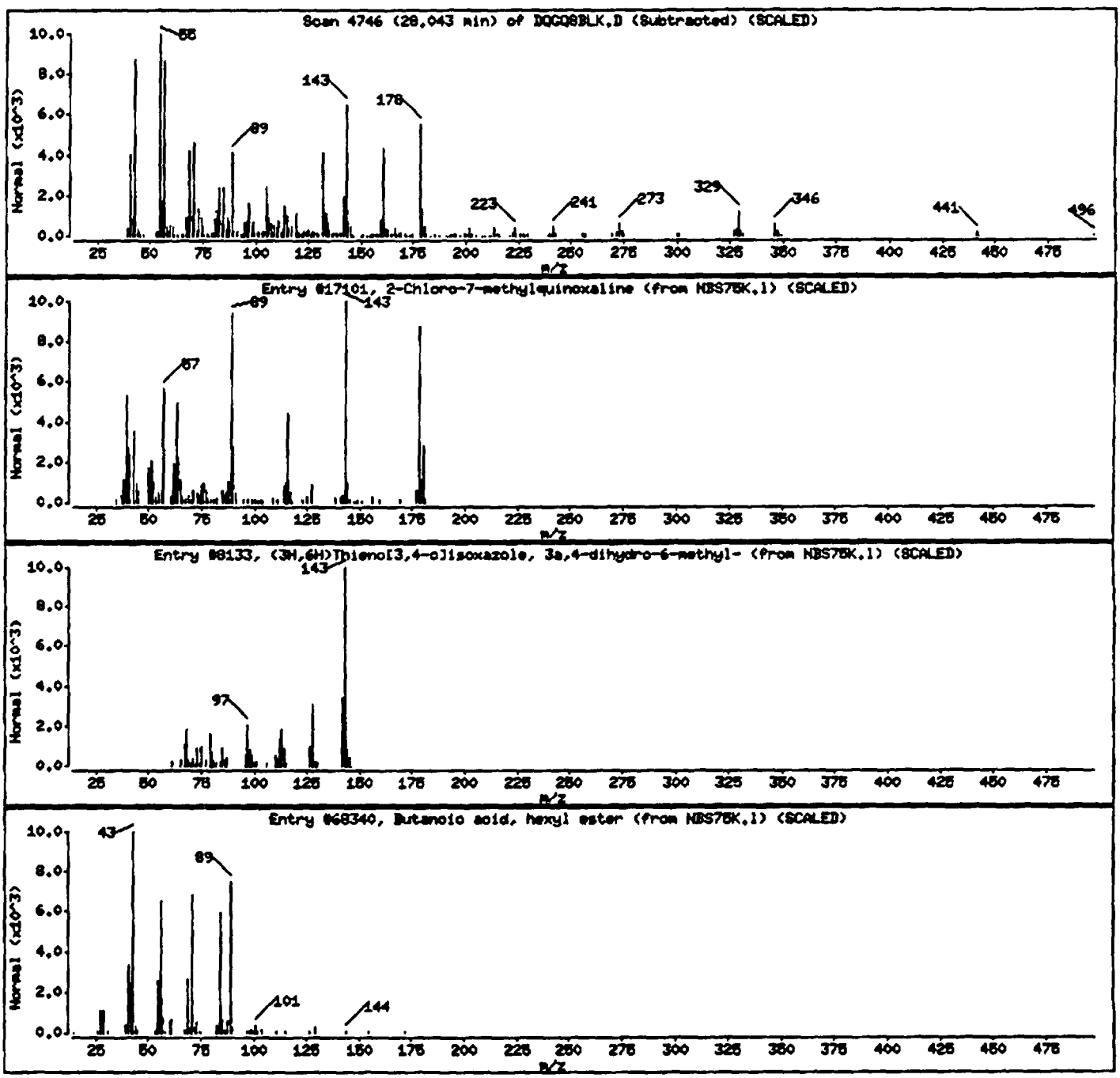
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Chloro-7-methylquinoxaline	0-00-0	NBS75K.l	17101	16	C9H7ClN2	179
(3H,6H)Thieno[3,4-c]isoxazole, 3a,4-dihy	0-00-0	NBS75K.l	68133	11	C6H9NOS	143
Butanoic acid, hexyl ester	2639-63-6	NBS75K.l	68340	11	C10H20O2	172



RMT
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: 0K04153

Matrix: (soil/water) SO Lab Sample ID: A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.15 / g Date Received: 11/04/00
Work Order: DPDH31AL Date Extracted: 11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %: 21

QC Batch: 0334103

Client Sample Id: SL-80

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	1800	DIL
95-57-8	2-Chlorophenol	2000	DIL
106-46-7	1,4-Dichlorobenzene	970	DIL
621-64-7	N-Nitrosodi-n-propylamine	1500	DIL
120-82-1	1,2,4-Trichlorobenzene	1100	DIL
59-50-7	4-Chloro-3-methylphenol	1800	DIL
83-32-9	Acenaphthene	2200	DIL
100-02-7	4-Nitrophenol	2200	DIL
121-14-2	2,4-Dinitrotoluene	2300	DIL a
87-86-5	Pentachlorophenol	1700	DIL
129-00-0	Pyrene	640	DIL a

Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL80HSRE.D

Page 6

Date : 04-DEC-2000 14:46

Client ID: SL-80

Instrument: a4hp9.i

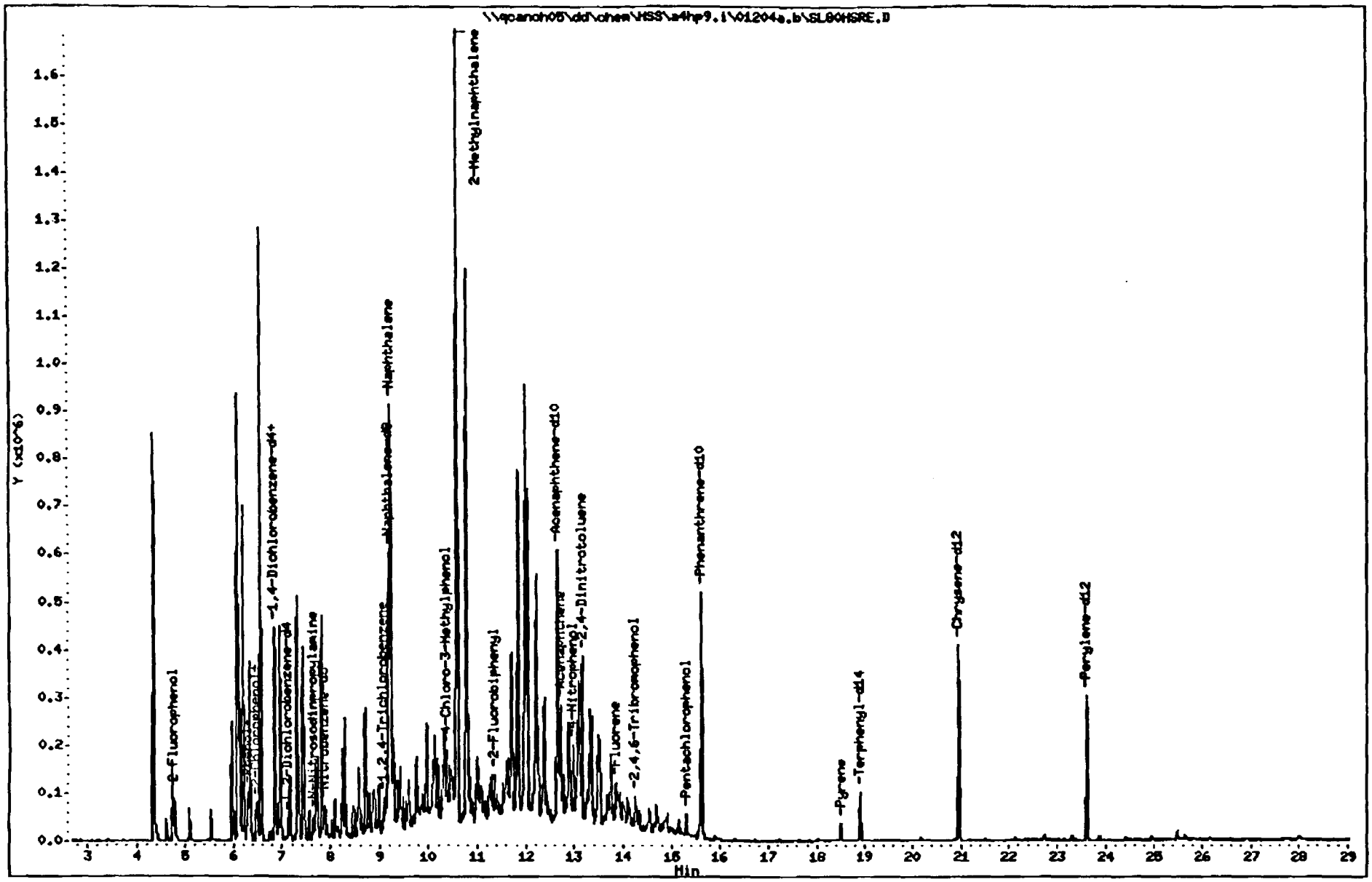
Sample Info: dpdh31al,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80MSRE.D
Lab Smp Id: DPDH31AL Client Smp ID: SL-80
Inj Date : 04-DEC-2000 14:46
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh31al,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 3 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.150	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.857	6.859	(1.000)	107529	40.0000	
* 2 Naphthalene-d8	136	9.196	9.199	(1.000)	415887	40.0000	
* 3 Acenaphthene-d10	164	12.664	12.671	(1.000)	214074	40.0000	
* 4 Phenanthrene-d10	188	15.628	15.631	(1.000)	336825	40.0000	
* 5 Chrysene-d12	240	20.960	20.973	(1.000)	231392	40.0000	
* 6 Perylene-d12	264	23.631	23.633	(1.000)	197279	40.0000	
7 Phenol	94	6.306	6.330	(0.920)	45583	8.42651	1400(a)
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	6.504	6.512	(0.949)	32546	9.46885	1600(a)
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	6.883	6.886	(1.004)	16434	4.57794	760(a)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	7.647	7.676	(1.115)	20138	7.35209	1200(a)
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	9.100	9.103	(0.990)	14572	5.16193	860(a)
25 Naphthalene	128	9.234	9.236	(1.004)	637573	64.4382	11000
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	10.388	10.406	(1.130)	28792	8.58626	1400(a)
29 2-Methylnaphthalene	142	10.607	10.588	(1.153)	1151121	175.562	29000
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	12.722	12.735	(1.005)	49595	10.0263	1700(a)
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	13.059	13.072	(1.031)	5366	10.1083	1700(aQH)
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	13.171	13.184	(1.040)	16965	10.7750	1800(aR)
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	13.753	13.761	(1.086)	24324	4.17486	690(a)
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	15.303	15.310	(0.979)	8966	7.80084	1300(a)
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	18.502	18.515	(0.883)	26428	3.00530	500(aR)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.888	7.901	(0.858)	28364	6.80448	1100(a)
$	73 2-Fluorobiphenyl	172	11.355	11.362	(0.897)	51497	8.89459	1500(a)
$	74 Terphenyl-d14	244	18.908	18.916	(0.902)	52787	9.63220	1600(a)
$	75 Phenol-d5	99	6.285	6.303	(0.917)	44233	9.68691	1600(a)
$	76 2-Fluorophenol	112	4.784	4.781	(0.698)	31171	8.68185	1400(a)
$	77 2,4,6-Tribromophenol	330	14.261	14.268	(0.912)	8236	9.29698	1500(a)
$	78 2-Chlorophenol-d4	132	6.477	6.485	(0.945)	34067	10.8992	1800(a)
$	79 1,2-Dichlorobenzene-d4	152	7.129	7.137	(1.040)	11447	5.48986	910(a)

QC Flag Legend

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

RMT
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.04 / g
Work Order: DPDH31AM
Dilution factor: 10
Moisture %:21

Date Received: 11/04/00
Date Extracted:11/29/00
Date Analyzed: 12/04/00

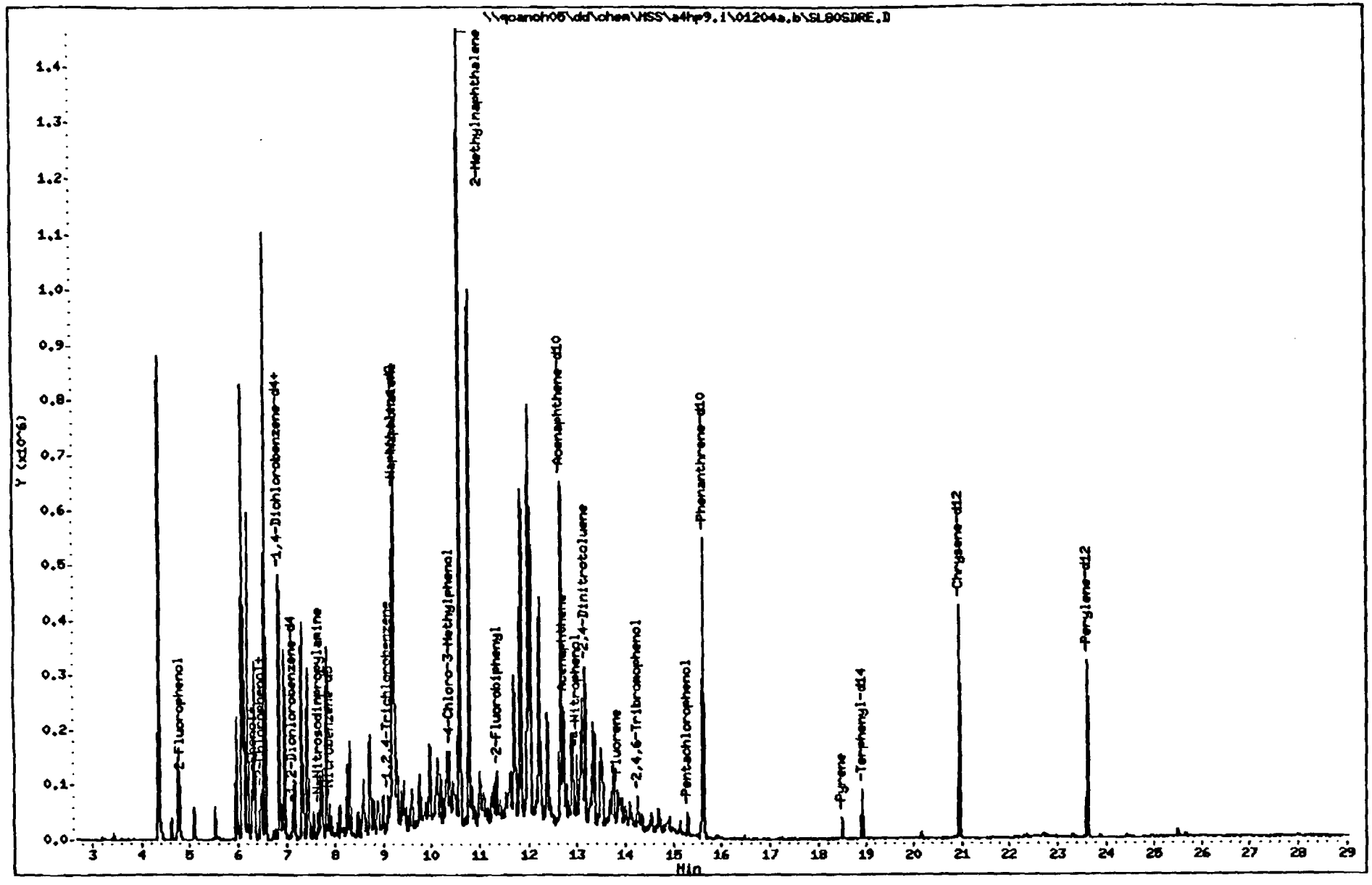
QC Batch: 0334103

Client Sample Id: SL-80

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	1800	DIL
95-57-8	2-Chlorophenol	2000	DIL
106-46-7	1,4-Dichlorobenzene	1100	DIL
621-64-7	N-Nitrosodi-n-propylamine	1500	DIL
120-82-1	1,2,4-Trichlorobenzene	1000	DIL
59-50-7	4-Chloro-3-methylphenol	1900	DIL
83-32-9	Acenaphthene	1800	DIL p
100-02-7	4-Nitrophenol	1800	DIL
121-14-2	2,4-Dinitrotoluene	2200	DIL a
87-86-5	Pentachlorophenol	1400	DIL
129-00-0	Pyrene	620	DIL a

Data File: \\qoanoh06\dd\chem\MSS\a4hp9.i\01204a.b\SL80SDRE.D
Date : 04-DEC-2000 15:25
Client ID: SL-80
Sample Info: dpdh31aa,01204a,b,olp31,1-olp90,sub
Volume Injected (uL): 2.0
Column phase:

Instrument: a4hp9.i
Operator: 001574
Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80SDRE.D
Lab Smp Id: DPDH31AM Client Smp ID: SL-80
Inj Date : 04-DEC-2000 15:25
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh31am,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 4 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.040	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.854	6.859	(1.000)	113681	40.0000	
* 2 Naphthalene-d8	136	9.194	9.199	(1.000)	443616	40.0000	
* 3 Acenaphthene-d10	164	12.661	12.671	(1.000)	233576	40.0000	
* 4 Phenanthrene-d10	188	15.626	15.631	(1.000)	360493	40.0000	
* 5 Chrysene-d12	240	20.963	20.973	(1.000)	242239	40.0000	
* 6 Perylene-d12	264	23.629	23.633	(1.000)	199884	40.0000	
7 Phenol	94	6.309	6.330	(0.921)	48223	8.43212	1400(a)
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	6.502	6.512	(0.949)	33918	9.33399	1600(a)
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	6.886	6.886	(1.005)	19479	5.13253	850(a)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	7.645	7.676	(1.115)	20577	7.10582	1200(a)
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	9.098	9.103	(0.990)	14663	4.86950	810(a)
25 Naphthalene	128	9.232	9.236	(1.004)	435711	41.2838	6900
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	10.380	10.406	(1.129)	32505	9.08762	1500(a)
29 2-Methylnaphthalene	142	10.599	10.588	(1.153)	844652	120.769	20000
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	12.720	12.735	(1.005)	45977	8.51879	1400(a)
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	13.051	13.072	(1.031)	5039	8.69978	1400(aQ)
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	13.169	13.184	(1.040)	17664	10.2822	1700(aR)
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	13.746	13.761	(1.086)	17862	2.80978	470(aQ)
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	15.300	15.310	(0.979)	7900	6.42210	1100(a)
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	18.500	18.515	(0.883)	27227	2.95752	490(aR)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.885	7.901	(0.858)	27149	6.10590	1000(a)
$	73 2-Fluorobiphenyl	172	11.352	11.362	(0.897)	49284	7.80163	1300(a)
$	74 Terphenyl-d14	244	18.906	18.916	(0.902)	49577	8.64138	1400(a)
$	75 Phenol-d5	99	6.288	6.303	(0.917)	44755	9.27082	1500(a)
$	76 2-Fluorophenol	112	4.792	4.781	(0.699)	34826	9.17493	1500(a)
$	77 2,4,6-Tribromophenol	330	14.253	14.268	(0.912)	8451	8.91336	1500(aQ)
$	78 2-Chlorophenol-d4	132	6.475	6.485	(0.945)	34966	10.5815	1800(a)
$	79 1,2-Dichlorobenzene-d4	152	7.132	7.137	(1.041)	12303	5.58108	930(a)

QC Flag Legend

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

RMT
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.12 / g Date Received: 11/08/00
Work Order: DPJFJ1AW Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334105

Client Sample Id: SL-82-9.0'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	1800	
95-57-8	2-Chlorophenol	1900	
106-46-7	1,4-Dichlorobenzene	1100	
621-64-7	N-Nitrosodi-n-propylamine	1500	
120-82-1	1,2,4-Trichlorobenzene	1100	
59-50-7	4-Chloro-3-methylphenol	1900	
83-32-9	Acenaphthene	1300	
100-02-7	4-Nitrophenol	2800	
121-14-2	2,4-Dinitrotoluene	1500	
87-86-5	Pentachlorophenol	1600	
129-00-0	Pyrene	550	a

Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL82MSRE.D

Page 6

Date : 04-DEC-2000 16:43

Client ID: SL-82-9.0'

Instrument: a4hp9.i

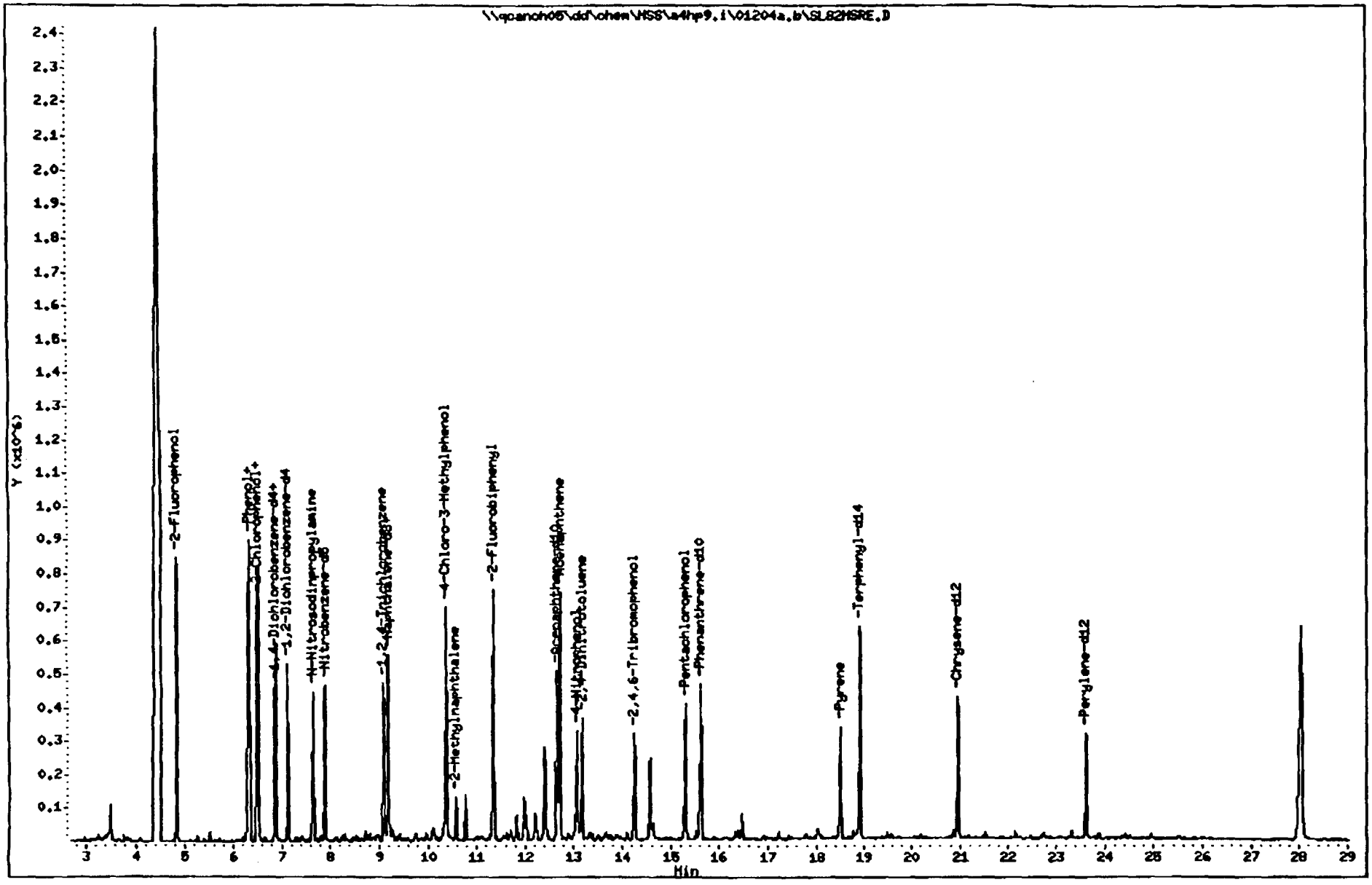
Sample Info: dpjfj1aw,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82MSRE.D
Lab Smp Id: DPJFJ1AW Client Smp ID: SL-82-9.0'
Inj Date : 04-DEC-2000 16:43
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjfj1aw,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.120	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.860	6.859	(1.000)	110427	40.0000	
* 2 Naphthalene-d8	136	9.189	9.199	(1.000)	440257	40.0000	
* 3 Acenaphthene-d10	164	12.661	12.671	(1.000)	259270	40.0000	
* 4 Phenanthrene-d10	188	15.626	15.631	(1.000)	357852	40.0000	
* 5 Chrysene-d12	240	20.963	20.973	(1.000)	258409	40.0000	
* 6 Perylene-d12	264	23.634	23.633	(1.000)	209671	40.0000	
7 Phenol	94	6.347	6.330	(0.925)	482724	86.8949	1400
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	6.523	6.512	(0.951)	313106	88.7036	1500
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	6.886	6.886	(1.004)	190097	51.5647	860
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	7.656	7.676	(1.116)	199332	70.8633	1200
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	9.098	9.103	(0.990)	150445	50.3431	840
25 Naphthalene	128	9.221	9.236	(1.003)	22225	2.12190	35(a)
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	10.386	10.406	(1.130)	315298	88.8224	1500
29 2-Methylnaphthalene	142	10.578	10.588	(1.151)	61206	8.81805	150(a)
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	12.725	12.735	(1.005)	365831	61.0652	1000
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	13.067	13.072	(1.032)	86408	134.398	2200(Q)
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	13.174	13.184	(1.041)	139046	72.9176	1200
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	15.306	15.310	(0.979)	98131	80.3618	1300
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	18.506	18.515	(0.883)	261990	26.6777	440(R)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.896	7.901	(0.859)	286247	64.8690	1100
$	73 2-Fluorobiphenyl	172	11.358	11.362	(0.897)	474578	67.6804	1100
$	74 Terphenyl-d14	244	18.917	18.916	(0.902)	434253	70.9548	1200
$	75 Phenol-d5	99	6.320	6.303	(0.921)	462849	98.7026	1600
$	76 2-Fluorophenol	112	4.835	4.781	(0.705)	320536	86.9338	1400
$	77 2,4,6-Tribromophenol	330	14.259	14.268	(0.912)	71440	75.9046	1300
$	78 2-Chlorophenol-d4	132	6.491	6.485	(0.946)	332827	103.688	1700
$	79 1,2-Dichlorobenzene-d4	152	7.132	7.137	(1.040)	121773	56.8684	940

QC Flag Legend

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

RMT
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/08/00
Work Order: DPJFJ1AX Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

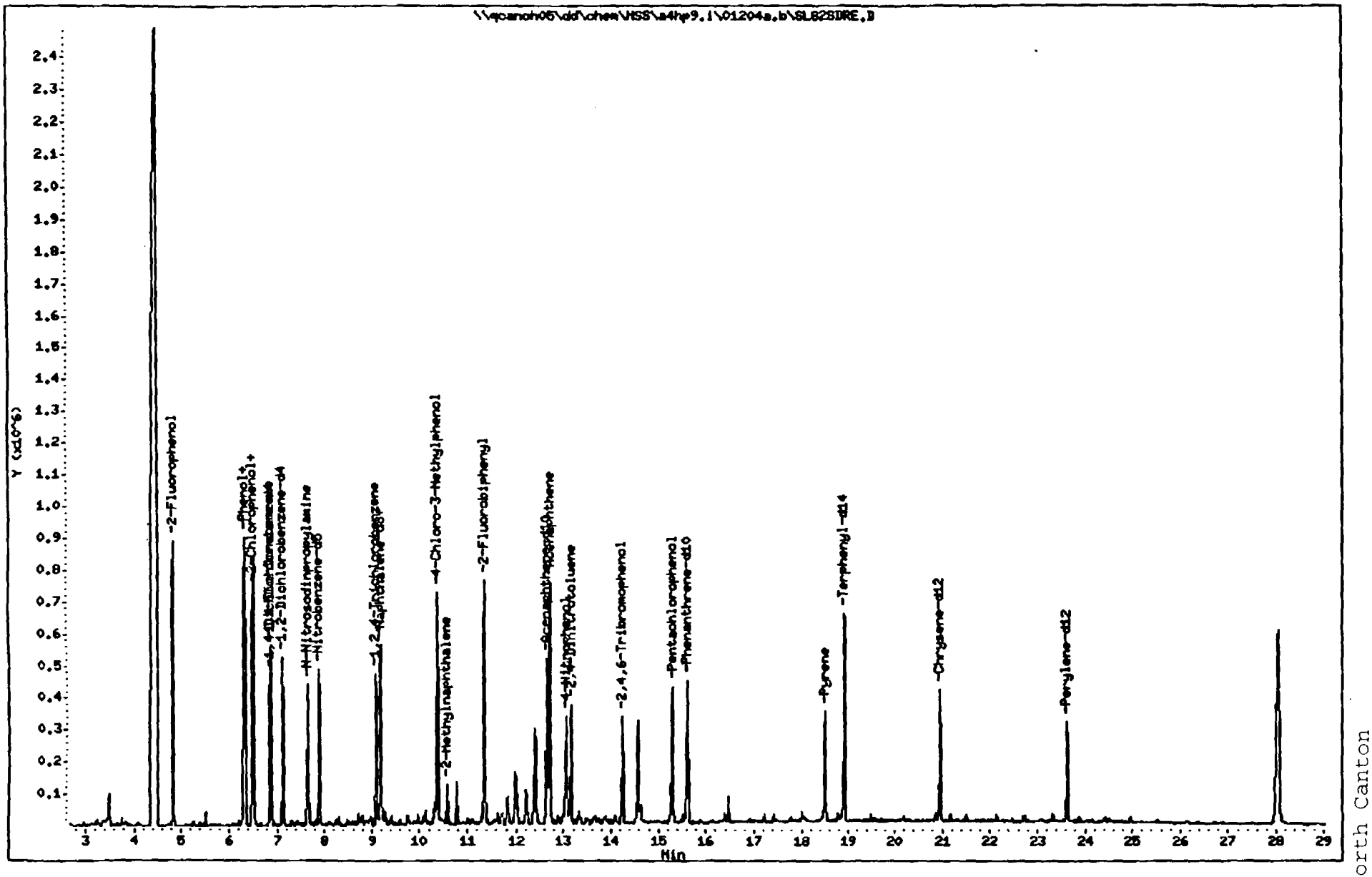
QC Batch: 0334105

Client Sample Id: SL-82-9.0'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	1900	
95-57-8	2-Chlorophenol	2000	
106-46-7	1,4-Dichlorobenzene	1100	
621-64-7	N-Nitrosodi-n-propylamine	1500	
120-82-1	1,2,4-Trichlorobenzene	1100	
59-50-7	4-Chloro-3-methylphenol	1900	
83-32-9	Acenaphthene	1300	
100-02-7	4-Nitrophenol	2900	
121-14-2	2,4-Dinitrotoluene	1600	
87-86-5	Pentachlorophenol	1800	
129-00-0	Pyrene	580	a

Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82SDRE.D
Date : 04-DEC-2000 18:01
Client ID: SL-82-9.0'
Sample Info: dpjfjiax,01204a.b,olp31,1-olp90,sub
Volume Injected (uL): 2.0
Column phase:

Instrument: a4hp9.i
Operator: 001574
Column diameter: 2.00



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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82SDRE.D
Lab Smp Id: DPJFJ1AX Client Smp ID: SL-82-9.0'
Inj Date : 04-DEC-2000 18:01
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjfj1ax,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.070	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	6.860	6.859	(1.000)	108706	40.0000	
* 2 Naphthalene-d8	136	9.189	9.199	(1.000)	430149	40.0000	
* 3 Acenaphthene-d10	164	12.661	12.671	(1.000)	253665	40.0000	
* 4 Phenanthrene-d10	188	15.626	15.631	(1.000)	349689	40.0000	
* 5 Chrysene-d12	240	20.963	20.973	(1.000)	251308	40.0000	
* 6 Perylene-d12	264	23.634	23.633	(1.000)	204836	40.0000	
7 Phenol	94	6.352	6.330	(0.926)	497429	90.9595	1500
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	6.529	6.512	(0.952)	326849	94.0630	1600
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	6.892	6.886	(1.005)	187948	51.7889	860
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	7.661	7.676	(1.117)	204391	73.8122	1200
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	9.098	9.103	(0.990)	150569	51.5686	860
25 Naphthalene	128	9.226	9.236	(1.004)	23160	2.26312	38(a)
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	10.386	10.406	(1.130)	318769	91.9104	1500
29 2-Methylnaphthalene	142	10.578	10.588	(1.151)	57716	8.51064	140(a)
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	12.725	12.735	(1.005)	370223	63.1638	1000
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	13.073	13.072	(1.032)	86557	137.605	2300(Q)
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	13.174	13.184	(1.041)	144298	77.3438	1300
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	15.306	15.310	(0.979)	103225	86.5067	1400
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	18.506	18.515	(0.883)	267019	27.9581	460(R)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	7.896	7.901	(0.859)	292288	67.7946	1100
$	73 2-Fluorobiphenyl	172	11.358	11.362	(0.897)	474849	69.2154	1200
$	74 Terphenyl-d14	244	18.917	18.916	(0.902)	432218	72.6178	1200
$	75 Phenol-d5	99	6.326	6.303	(0.922)	475946	103.102	1700
$	76 2-Fluorophenol	112	4.840	4.781	(0.706)	329098	90.6690	1500
$	77 2,4,6-Tribromophenol	330	14.259	14.268	(0.912)	77319	84.0687	1400
$	78 2-Chlorophenol-d4	132	6.496	6.485	(0.947)	346064	109.519	1800
$	79 1,2-Dichlorobenzene-d4	152	7.132	7.137	(1.040)	124354	58.9931	980

QC Flag Legend

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

Committed To *Your* Success

MISCELLANEOUS DATA

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP9

DATE: 11-27-00
CASE:
SDG NO:

COLUMN TYPE: RTX-5
LENGTH: 30 m
ID: .32 mm

ANALYSIS
40 deg. C for 1.5 min.
to 320 deg. C @ 11.5 deg. C/min
hold for 4.5 min.

FILM THICKNESS: .5 MICRONS F.D.= 2.85 E.T.= 29:33 I.S.# 2331 TUNE: DFTPP ✓

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
9DF1127	SV2351			ok	(15:41)	
9SL1127	SV2325			ok	Cal Std Checked by: 11/29/00	
9SML1127	SV2326			ok		
9SM1127	SV2327			ok		
9SMH1127	SV2328			ok		
9SH1127	SV2329			ok		

11-27-00

N:\QAQC\LAB_FORM\MS SEMI RUN LOG.doc

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP9

DATE: 12-4-00
CASE:
SDG NO:

COLUMN TYPE: RTX-5
LENGTH: 30m
ID: .32 mm

ANALYSIS 40 deg. C for 1.5 min.
to 320 deg. C @ 11.5 deg. C/min
hold for 4.2 min.

FILM THICKNESS: .5 MICRONS F.D.= 2.75 E.T.= 29:03 I.S.# 2331 TUNE: DFTPP ✓

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
9DF1204	SV2351			OK	(11:48)	
9SML1204	SV2326			OK	Cal Std Checked by: OK MW 12-6-00	
DQGQ6BLX	B DQGQ61AA	11-29 30g .5ml	St	OK		
DQGQ8BLX	B DQGQ81AA		St	OK		
SL80RE	DPDH32AD		10:100	OK		
SL80MSRE	DPDH31AL		10:100	OK		
SL80SDRE	DPDH31AM		10:100	OK		
SL81RE	DPDH92AD		50:100	OK		
SL82RE	DPJFJ2AH		St	OK		
SL82MSRE	DPJFJ1AW		St	OK		
SL82SDRE	DPJFJ1AX		St	OK		
SL83RE	DPJF32AD		St	OK		
DSL16RE	DPJF52AY		10:100	OK		

12-4-00

N:\QAQC\LAB_FORM\MS SEMI RUN LOG.doc

089

12/06/00 12:41:27

Sample Control Chain of Custody - STL North Canton

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A0K040153	1		DPDH31AD	MSSCLP31	11/08/00	Nathan Pietras	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K040153	1	S	DPDH31AG	MSSCLP31	11/08/00	Nathan Pietras	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K040153	1	D	DPDH31AH	MSSCLP31	11/08/00	Nathan Pietras	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K040153	1		DPDH32AD	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K040153	1	S	DPDH31AL	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K040153	1	D	DPDH31AM	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K040153	2		DPDH91AD	MSSCLP31	11/08/00	Nathan Pietras	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K040153	2		DPDH92AD	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman

* * * E N D O F R E P O R T * * *

12/06/00 12:43:37 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A0K080242	1		DPJFJ1AH	MSSCLP31	11/09/00	Eric Miller	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K080242	1	S	DPJFJ1AJ	MSSCLP31	11/09/00	Eric Miller	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K080242	1	D	DPJFJ1AK	MSSCLP31	11/09/00	Eric Miller	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K080242	1		DPJFJ2AH	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K080242	1	S	DPJFJ1AM	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K080242	1	D	DPJFJ1AX	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K080242	2		DPJF31AD	MSSCLP31	11/09/00	Eric Miller	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K080242	2		DPJF32AD	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman
A0K080242	3		DPJF51A4	MSSCLP31	11/09/00	Eric Miller	11/11/00	Dave Thomas	12/06/00	John Gruber
A0K080242	3		DPJF52A4	MSSCLP31	11/29/00	Nathan Pietras	11/29/00	Doug Klingenburg	12/04/00	Mark Ulman

* * * E N D O F R E P O R T * * *

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/18/00
Time: 12:28:55

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank Check	Y	Y	Weights/Volumes
			Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg

QC BATCH: 0314093

PREP DATE: 11/09/00
COMP DATE: 11/09/00

Reviewer/Date: FAUSNIGT / 11/15/00

Pesticides/PCB (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AA		13	SQ	SOLID	30.04g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #37
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-ACS M		13	SQ	SOLID	30.04g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML SPIKE #37 2.0ML CLP #37
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-ADD M		13	SQ	SOLID	30.00g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1.0ML SPIKE #37 2.0ML CLP #37
COMMENTS:															
11/18/00	11/22/00	A0K080242-002 DPJF3-1-AA		13	SQ	SOLID	30.03g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #37
COMMENTS:															
11/18/00	11/22/00	A0K080242-003 DPJF5-1-AA		13	SQ	SOLID	30.19g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #37
COMMENTS:															
11/18/00	0/00/00	A0K090000-093 DPKDE-1-AAB		13	SQ	SOLID	30.00g 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #37
COMMENTS:															

MR S&S
DCM #T30295 ACE #H451T32465 NA2S04 #8024T04644 HEXANE #T23305

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: OK04153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPJFJ ms/msD	MR	11/9/00		X	P/P CLP EXTRACTION	11/9/00
2. DPJF3	↓	↓		↓	↓	↓
3. DPJF5	↓	↓		↓	↓	↓
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						11/9/00
20.						

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/18/00
Time: 12:28:50

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg

Reviewer/Date: FAUSNIGT / 11/15/00

QC BATCH: 0313297

PREP DATE: 11/08/00
COMP DATE: 11/08/00

Pesticides/PCB (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/14/00	11/17/00	A0K040153-001 DPDH3-1-AA	R	13	SQ	SOLID	30.13mL 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2ML PCLP SURR #3730
COMMENTS:															
11/14/00	11/17/00	A0K040153-002 DPDH9-1-AA	R	13	SQ	SOLID	30.16mL 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2ML PCLP SURR #3730
COMMENTS:															
11/14/00	11/17/00	A0K040153-002 DPDH9-1-AGS M	R	13	SQ	SOLID	30.09mL 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1ML PCLP SPIKE #3731 2ML PCLP SURR #3730
COMMENTS:															
11/14/00	11/17/00	A0K040153-002 DPDH9-1-AHD M	R	13	SQ	SOLID	30.01mL 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	1ML PCLP SPIKE #3731 2ML PCLP SURR #3730
COMMENTS:															
11/14/00	0/00/00	A0K080000-297 DPHT7-1-AAB		13	SQ	SOLID	30.00mL 5.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2ML PCLP SURR #3730
COMMENTS:															

MR S&S
DCM T35273 ACE H451T023465 HEX T23305 NA2S04 8024T04644

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 5

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: 0K04153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPDH3	MR	11/8/00		X	PIP CLP EXTRACTION	11/8/00
2. DPDH9 ms/msD	↓	↓		↓	↓	↓
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						11/8/00
20.						

GPC Log Sheet

Quanterra Incorporated

711

LL GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE LANKS)

Page 1 of 1

ase/SDG Number OK4153			Collect 23min	Dump 36min	Load 110	Wash 10:00	Inst ID

ate	~~Run Number~~ Batch	Lot Number	Sample ID	Client ID	Pos. No.	Comments
14/00	0314093	AOK090000-093	DPKDE BIK	DPKDE BIK	1	P/P's
		AOK080242	DPJFJ	SL-82-9.0'	2	
			DPJFJ MS	SL-82-9.0' MS	3	
			DPJFJ MSD	SL-82-9.0' MSD	4	
			DPJF3	SL-83-9.0'	5	
			DPJF5	DSL-16	6	
	0313297	AOK080000-297	DPHT7 BIK	DPHT7 BIK	7	
		AOK040153	DPDH3	SL-80	8	
		AOK040153	DPDH9	SL-81	9	
			DPDH9 MS	SL-81 MS	10	
			DPDH9 MSD	SL-81 MSD	11	

TPF 11/14/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
TPF	11/10/00	11/10/00	11/14/00			

Comments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

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STL North Canton

712

;PC Log Sheet

Quanterra Incorporated

LL GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE .ANKS)

Page of

ıse/SDG Number	Weekly CA	Collect 28 min	Dump 29 min	Load :10	Wash 10:00	Inst ID

ıle	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
10/00			CalFluid			PASSED TRF

ıalyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
TRF	11/10/00					

ımments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

STL North Canton

;PC Log Sheet

Quanterra Incorporated

LL GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE
.ANKS)

Page of

ıse/SDG Number Weekly Cal	Collect 23min	Dump 36min	Load :10	Wash 10:00	Inst ID

ıte	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
100			Pest ✓			

ıalyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
TRF	11/10/00	11/10/00		

omments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

PC Log Sheet

Quanterra Incorporated

714

:L GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE ANKS)

Page of

se/SDG Number Weekly Cal			Collect 23min	Dump 36min	Load :10	Wash 10:00	Inst ID
le	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments	
4/00			PCB ✓				

nalyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
[illegible]			11/14/00			

Comments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

STL North Canton

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/19/00
Time: 4:53:34

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 002811 Dave S. Thomas

QC BATCH: 0313295

PREP DATE: 11/08/00
COMP DATE: 11/08/00

Reviewer/Date: THOMASD / 11/11/00

Base/Neutrals and Acids (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/14/00	11/17/00	A0K040153-001 DPDH3-1-AD	R	13	J0	SOLID	30.07mL .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															
11/14/00	11/17/00	A0K040153-001 DPDH3-1-AGS M	R	13	J0	SOLID	30.03mL .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3737
COMMENTS:															
11/14/00	11/17/00	A0K040153-001 DPDH3-1-AHD M	R	13	J0	SOLID	30.00mL .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3737
COMMENTS:															
11/14/00	11/17/00	A0K040153-002 DPDH9-1-AD	R	13	J0	SOLID	30.00mL .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															
11/14/00	0/00/00	A0K080000-295 DPHTW-1-AAB		13	J0	SOLID	30.00mL .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															

MR S&S
DCM T35273 HEX T23305 ACE H451T023465 NA2SO4T23305

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 5

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: OK04153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPDH3 ms/msD	MR	11/8/00		X	BNA CLP EXTRACTION	11/8/00
2. DADH9	↓	↓		↓	↓	↓
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						11/8/00
20.						

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/19/00
Time: 4:54:53

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
		Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 002811 Dave S. Thomas

QC BATCH: 0314095

PREP DATE: 11/09/00
COMP DATE: 11/09/00

Reviewer/Date: THOMASD / 11/11/00

Base/Neutrals and Acids (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AH		13	J0	SOLID	30.16g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AJS M		13	J0	SOLID	30.17g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML SPIKE #37 0.5ML CLP #3737
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AKD M		13	J0	SOLID	30.18g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML SPIKE #37 0.5ML CLP #3737
COMMENTS:	DECANT H20														
11/18/00	11/22/00	A0K080242-002 DPJF3-1-AD		13	J0	SOLID	30.01g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
11/18/00	11/22/00	A0K080242-003 DPJF5-1-A4		13	J0	SOLID	30.12g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
11/18/00	0/00/00	A0K090000-095 DPKDD-1-AAB		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															

MR S&S
DCM #T30295 ACE #H451T31465 NA2S04 #8024T04644

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

STL North Canton

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: DK64153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPJFJms/msD	MR	11/9/00		X	BNA CLP EXTRACTION	11/9/00
2. DPJF3	↓	↓		↓	↓	↓
3. DPJF5	↓	↓		↓	↓	↓
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TMT
19.						11/9/00
20.						

Quanterra Incorporated

PC Log Sheet

L GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE ANKS)

Page of

se/SDG Number OK4153	Collect 28 min	Dump 29 min	Load :10	Wash 10:00	Inst ID

le	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
	BATCH					
10/00	0314095	AOK090000-095	DPKDD BIK	DPKDD BIK	1	BNA's
		AOK080242	DPJFJ	SL-82-9.0	2	
			DPJFJ ms	SL-82-9.0 ms	3	
			DPJFJ MSD	SL-82-9.0 msD	4	
			DPJF3	SL-83-9.0	5	
			DPJF5	DSL-16	6	
	0313295	AOK080000-295	DPHTW BIK	DPHTW BIK	7	
			DPDH3	SL-80	8	
			DPDH3 ms	SL-80 ms	9	
			DPDH3 msD	SL-80 msD	10	
			DPDH9	SL-81	11	

TRF 11/10/00

nalyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank	
TRF	11/10/00			MSSV 11/10/00	

Comments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

PC Log Sheet

Quanterra Incorporated

.L GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE .ANKS)

Page of

se/SDG Number	Weekly CAl	Collect 28 min	Dump 29 min	Load :10	Wash 10:00	Inst ID

te	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
10/00			CalFluid			PASSED VRF
ialyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		

omments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

STL North Canton

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/18/00
Time: 12:29:03

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
		Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg

QC BATCH: 0334103

PREP DATE: 11/29/00
COMP DATE: 11/29/00

Reviewer/Date: KLINGEND / 11/29/00

Base/Neutrals and Acids (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/14/00	11/17/00	A0K040153-001 DPDH3-1-ALS	M R	13	J0	SOLID	30.15g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3782
COMMENTS:															
11/14/00	11/17/00	A0K040153-001 DPDH3-1-AMD	M R	13	J0	SOLID	30.04g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3782
COMMENTS:															
11/14/00	11/17/00	A0K040153-001 DPDH3-2-AD	R	13	J0	SOLID	30.07g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															
11/14/00	11/17/00	A0K040153-002 DPDH9-2-AD	R	13	J0	SOLID	30.02g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															
11/14/00	0/00/00	A0K290000-103 DQGQ6-1-AAB		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															

MR S&S
DCM T35273 ACE H45131465 NA2SO4 B024T04644
ASSOC BLK W/0334105

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 5

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: OK04153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPDH3 ms/msD	MR	11/29/00		X	BNA ZLP EXTRACTION	11/29/00
2. DPDH9	⊥	⊥		⊥	⊥	⊥
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						11/29/00
20.						

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/19/00
Time: 6:30:19

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
		Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg

QC BATCH: 0334105

PREP DATE: 11/29/00
COMP DATE: 11/29/00

Reviewer/Date: KLINGEND / 11/29/00

Base/Neutrals and Acids (CLP-OLM03.1)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AWS	M	13	J0	SOLID	30.12g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3782
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-1-AXD	M	13	J0	SOLID	30.07g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SPIKE #3746 .5ML BCLP SURR #3782
COMMENTS:															
11/18/00	11/22/00	A0K080242-001 DPJFJ-2-AH		13	J0	SOLID	30.14g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															
11/18/00	11/22/00	A0K080242-002 DPJF3-2-AD		13	J0	SOLID	30.07g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															
11/18/00	11/22/00	A0K080242-003 DPJF5-2-A4		13	J0	SOLID	30.03g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															
11/18/00	0/00/00	A0K290000-105 DQGQ8-1-AAB		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3782
COMMENTS:															

MR S&S
DCM T35273 ACE H45131465 NA2SO4 8024TO4644
ASSOC BLK W/0334103

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: OK04153 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPJFJ MS/MSD	MR	11/29/00		X	BNA ELP EXTRACTION	11/29/00
2. DPJF3	↓	↓		↓	↓	↓
3. DPJF5	↓	↓		↓	↓	↓
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						11/29/00
20.						

GPC Log Sheet

Quanterra Incorporated

ALL GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE BLANKS)

Page of

Case/SDG Number			Collect 28 min	Dump 29 min	Load : 30	Wash 10:00	Inst ID

Date	~~Run Number~~ Batch #	Lot Number	Sample ID	Client ID	Pos. No.	Comments
11/29/00	0334105	AOK080242-105	DQGQ8/DQGQ6	DQGQ8/DQGQ6 BLK	1	BMA SOLIDS (Reextracts)
		AOK080242	DPJFJ	SL-82-9.0'	2	
			DPJFJ MS	SL-82-9.0' MS	3	
			DPJFJ MSD	SL-82-9.0' MSD	4	
			DPJF3	SL-83-9.0'	5	
			DPJF5	DSL-16	6	
	0334103	AOK040153	DPDH3	SL-80	7	
			DPDH3 MS	SL-80 MS	8	
			DPDH3 MSD	SL-80 MSD	9	
			DPDH9	SL-81	10	

DNF 11/29/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
ESM	11/27/00					

Comments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

725
STL North Canton

726

GPC Log Sheet

Quanterra Incorporated

ALL GPC CHECKS AND BLANKS ARE VALID FOR 7 DAYS ONLY (PEST,PCB,CALIBRATION,RINSE BLANKS)

Page of

Case/SDG Number Weekly Cals			Collect 28min	Dump 29min	Load :10	Wash 10:00	Inst ID
Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments	
11/27/00			Cal Fluid				

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
TRF	11/27/00			

Comments: PLACE DATES OF ALL APPLICABLE CHECKS & BLANKS IN THE ABOVE BOXES. NOTE: ALL CHECKS AND BLANKS ARE VALID FOR 7 DAYS

STL North Canton

CLP pH Log

SDG# 0K04153 Case#_____ Closed Date_____

Associated Project Lot#s: A0K040153, A0K080242

Client Code: 64186

Sample#	EPA#	pH	Analyst	Date
DPDH3	SL-80	7.0	TRF	11/9/00
DPDH9	SL-81	7.5		
DPJFJ	SL-82-9.0'	7.7		
DPJF3	SL-83-9.0'	7.5		
DPJF5	DSL-16	7.2		
				TRF 11/9/00

Revision 1.0, Dated 03/13/98
n:\qaqc\lab_form\clp_ph.doc

QUANTERRA ENVIRONMENTAL SERVICES

FLORISIL CARTRIDGE CLEAN-UP

Analyst: TRF

Case/SDG #: 0K04153

Date: 11/14/00

Sample #	Cartridge Lot #	Manufacturer	Comments
SL-82-9.0'	339467	B+J	p/p Solids
SL-82-9.0' MS			
SL-82-9.0' MSD			
SL-83-9.0'			
DSL-16			
DPKDE BIK			
SL-80			
SL-81			
SL-81 MS			
SL-81 MSD			
DPHT7 BIK			

TRF
11/14/00

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QC SUMMARY DATA

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column(1): RTX-CLPPESTICIDES ID: 0.53 (mm) GC Column(2): RTX-CLP2 PESTICIDES

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLANK1	40	38	49	49			0
02	SL-80	42	35	46	49			0
03	SL-81	39	25*	48	45			1
04	SL-81MS	30D	25*	44	45			1
05	SL-81MSD	36	30D	52	48			0
06	PBLANK2	34	33	52	52			0
07	SL-82-9.0	57	55	82	82			0
08	SL-82-9.0MS	65	59	94	88			0
09	SL-82-9.0MSD	55	56	82	82			0
10	SL-83-9.0'	61	62	94	94			0
11	DSL-16DL	76	76	170D	129			0
12	DSL-16	100	70	129	57			0
13	SL-81DL	44	41	62	59			0
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-150)
S2 (DCB) = Decachlorobiphenyl (30-150)

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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix Spike - EPA Sample No.: SL-81

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	22	0.00	13	59	46-127
Heptachlor	22	0.00	15	68	35-130
Aldrin	22	290	140	-682*	34-132
Dieldrin	44	0.00	34	77	31-134
Endrin	44	0.00	30	68	42-139
4,4'-DDT	44	0.00	32	73	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	22	15	68	14	50	46-127
Heptachlor	22	17	77	12	31	35-130
Aldrin	22	200	-409*	-50	43	34-132
Dieldrin	44	40	91	17	38	31-134
Endrin	44	35	80	16	45	42-139
4,4'-DDT	44	35	80	9	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS: _____

FORM III PEST-2 OLM03.0

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix Spike - EPA Sample No.: SL-82-9.0

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	21	0.00	16	76	46-127
Heptachlor	21	0.00	17	81	35-130
Aldrin	21	1.9	19	81	34-132
Dieldrin	42	0.00	34	81	31-134
Endrin	42	0.00	33	78	42-139
4,4'-DDT	42	0.00	35	83	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	21	15	71	7	50	46-127
Heptachlor	21	16	76	6	31	35-130
Aldrin	21	23	100	21	43	34-132
Dieldrin	42	33	78	4	38	31-134
Endrin	42	31	74	5	45	42-139
4,4'-DDT	42	32	76	9	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM III PEST-2 OLM03.0

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLANK1

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPHT71AA Lab File ID: 005F0401

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW3550

Sulfur Cleanup (Y/N) N Date Extracted: 11/08/00

Date Analyzed (1): 11/28/00 Date Analyzed (2): 11/28/00

Time Analyzed (1): 1634 Time Analyzed (2): 1634

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column (1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column (2): RTX-CLP2 PESTICIDES

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SL-80	DPDH31AA	11/28/00	11/28/00
02	SL-81	DPDH91AA	11/28/00	11/28/00
03	SL-81MS	DPDH91AG	11/28/00	11/28/00
04	SL-81MSD	DPDH91AH	11/28/00	11/28/00
05	SL-81DL	DPDH91AA	11/29/00	11/29/00
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLANK2

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPKDE1AA Lab File ID: 011F1001

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW3550

Sulfur Cleanup (Y/N) N Date Extracted: 11/09/00

Date Analyzed (1): 11/28/00 Date Analyzed (2): 11/28/00

Time Analyzed (1): 2017 Time Analyzed (2): 2017

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column (1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column (2): RTX-CLP2 PESTICIDES

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SL-82-9.0	DPJFJ1AA	11/28/00	11/28/00
02	SL-82-9.0MS	DPJFJ1AC	11/28/00	11/28/00
03	SL-82-9.0MSD	DPJFJ1AD	11/28/00	11/28/00
04	SL-83-9.0'	DPJF31AA	11/28/00	11/28/00
05	DSL-16DL	DPJF51AA	11/28/00	11/28/00
06	DSL-16	DPJF51AA	11/29/00	11/29/00
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

Committed To *Your* Success

SAMPLE DATA

Committed To *Your* Success

PESTICIDE DATA

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DSL-16

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJF51AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 017F1601

% Moisture: 23 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	7.5	JP
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC(Lindane)	22	
76-44-8	Heptachlor	650	C
309-00-2	Aldrin	2900	C
1024-57-3	Heptachlor epoxide	32	
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	1200	C
72-55-9	4,4'-DDE	26	JP
72-20-8	Endrin	180	P
33213-65-9	Endosulfan II	70	P
72-54-8	4,4'-DDD	44	U
1031-07-8	Endosulfan sulfate	44	U
50-29-3	4,4'-DDT	380	PC
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	71	
7421-93-4	Endrin aldehyde	44	U
5103-71-9	alpha-Chlordane	180	P
5103-74-2	gamma-Chlordane	620	C
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	440	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	440	U
53469-21-9	Aroclor-1242	440	U
12672-29-6	Aroclor-1248	440	U
11097-69-1	Aroclor-1254	440	U
11096-82-5	Aroclor-1260	440	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\017F1601.D
Lab Smp Id: DPJF51AA Client Smp ID: DSL-16
Inj Date : 29-NOV-2000 00:01
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF51AA,10
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 17
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	23.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.044	4.042	(0.002)	633709	0.00383	17			
5 alpha-BHC					CAS #: 319-84-6			
5.323	5.321	(0.002)	476157	0.00180	7.8			(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9			
6.044	6.042	(0.002)	1454153	0.00621	27			
9 Heptachlor					CAS #: 76-44-8			
7.072	7.071	(0.001)	31444531	0.14967	650			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
10 Aldrin					CAS #: 309-00-2			
7.681	7.679	(0.002)	132663394	0.67543	2900			
12 beta-BHC					CAS #: 319-85-7			
6.319	6.319	(0.000)	162262	0.00173	7.5			(a)
13 delta-BHC					CAS #: 319-86-8			
6.660	6.660	(0.000)	665135	0.00297	13			(a)
14 Heptachlor epoxide					CAS #: 1024-57-3			
9.040	9.031	(0.009)	1291651	0.00735	32			
16 gamma-Chlordane					CAS #: 5103-74-2			
9.300	9.299	(0.001)	26325138	0.14838	640			
17 alpha-Chlordane					CAS #: 5103-71-9			
9.582	9.582	(0.000)	10781956	0.06291	270			
18 4,4'-DDE					CAS #: 72-55-9			
9.946	9.949	(-0.003)	1297945	0.00792	34			(a)
19 Dieldrin					CAS #: 60-57-1			
10.312	10.310	(0.002)	49819329	0.27767	1200			
21 Endrin					CAS #: 72-20-8			
10.730	10.743	(-0.013)	16239069	0.12093	530			
22 Toxaphene					CAS #: 8001-35-2			
10.312	10.340	(-0.028)	49819329	42.0675	180000	80.00- 120.00	100.00	
11.061	11.000	(0.061)	1680471	0.96489	4200	127.06- 167.06	3.37	
12.277	12.300	(-0.023)	858526	0.17993	780	382.90- 422.90	1.72	
13.453	13.410	(0.043)	2644512	1.05335	4600	191.99- 231.99	5.31	
		Average of Peak Concentrations =			47000			
23 Endosulfan II					CAS #: 33213-65-9			
11.266	11.213	(0.053)	2267605	0.01603	70			
24 4,4'-DDD					CAS #: 72-54-8			
11.160	11.166	(-0.006)	9562121	0.07568	330			
25 4,4'-DDT					CAS #: 50-29-3			
11.745	11.720	(0.025)	22445272	0.17357	760			
26 Endrin aldehyde					CAS #: 7421-93-4			
12.070	12.100	(-0.030)	7661613	0.07381	320			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
28 Methoxychlor						CAS #: 72-43-5		
12.845	12.860	(-0.015)	537351	0.00954	42			(a)
29 Endrin ketone						CAS #: 53494-70-5		
13.453	13.453	(0.000)	2644512	0.01883	82			
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
15.697	15.700	(-0.003)	577144	0.00497	22			

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-1.b\017F1601.D

Date : 29-NOV-2000 00:01

Client ID: DGL-16

Sample Info: DPJF61AA,10

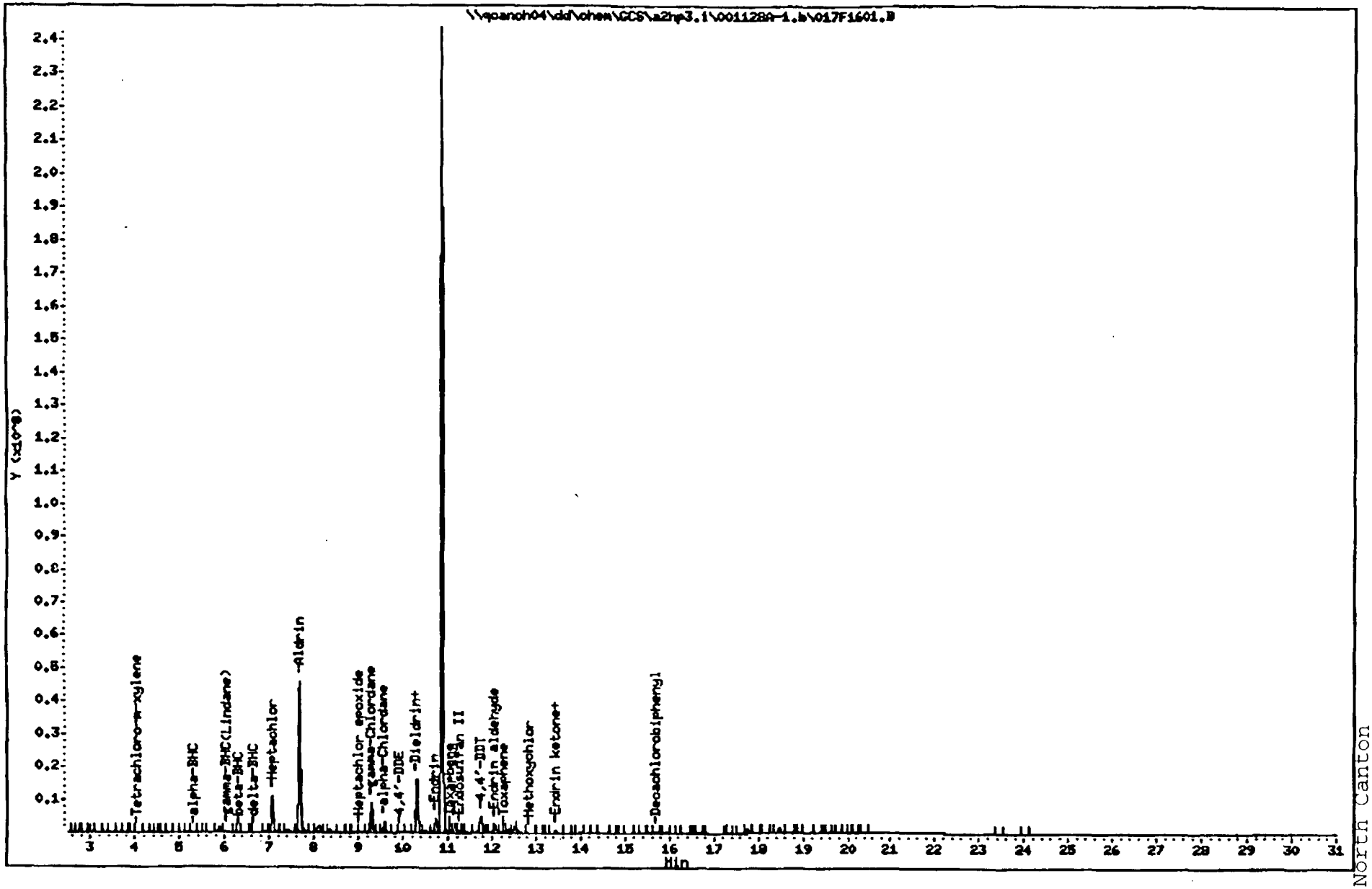
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\017F1601.D
Lab Smp Id: DPJF51AA Client Smp ID: DSL-16
Inj Date : 29-NOV-2000 00:01
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF51AA,10
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 17
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.190	Weigth of sample extracted (g)
M	23.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	404495	0.00286	12		
5 Aroclor-1242					CAS #: 53469-21-9		
6.528	6.469	(0.059)	66041	0.02848	120	80.00- 120.00	100.00
7.459	7.429	(0.030)	191526	0.04556	200	161.24- 201.24	290.01
8.437	8.448	(-0.011)	9837	0.00122	5.2	328.76- 368.76	14.90
9.698	9.768	(-0.070)	3374327	1.21125	5200	100.12- 140.12	5109.44
10.655	10.670	(-0.015)	15572	0.00522	22	108.52- 148.52	23.58
Average of Peak Concentrations =					1100		
4 Aroclor-1016					CAS #: 12674-11-2		
6.528	6.468	(0.060)	66041	0.02252	97	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016 (continued)							
7.459	7.429	(0.030)	191526	0.03611	160	160.84- 200.84	290.01
8.437	8.441	(-0.004)	9837	0.00097	4.2	325.96- 365.96	14.90
8.711	8.739	(-0.028)	81390	0.01889	82	126.90- 166.90	123.24
9.698	9.768	(-0.070)	3374327	0.99252	4300	95.93- 135.93	5109.44
		Average of Peak Concentrations =			930		
7 beta-BHC					CAS #: 319-85-7		
7.902	7.900	(0.002)	229121	0.00286	12		(a)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.620	7.619	(0.001)	999915	0.00498	22		
10 Aroclor-1248					CAS #: 12672-29-6		
7.459	7.422	(0.037)	191526	0.08435	360	80.00- 120.00	100.00
8.437	8.441	(-0.004)	9837	0.00183	7.9	217.33- 257.33	5.14
9.698	9.768	(-0.070)	3374327	0.77911	3400	170.73- 210.73	1761.81
10.655	10.670	(-0.015)	15572	0.00303	13	205.99- 245.99	8.13
12.048	12.010	(0.038)	738633157	266.949	1200000	101.85- 141.85	385656.86
		Average of Peak Concentrations =			240000		
11 Heptachlor					CAS #: 76-44-8		
8.569	8.569	(0.000)	27242443	0.15233	660		
16 Aroclor-1254					CAS #: 11097-69-1		
10.655	10.660	(-0.005)	15572	0.00325	14	80.00- 120.00	100.00
11.059	11.080	(-0.021)	38934	0.00692	30	97.51- 137.51	250.03
12.048	12.010	(0.038)	738633157	101.394	440000	132.22- 172.22	4743341.62
12.521	12.490	(0.031)	4915806	1.01006	4400	81.70- 121.70	31568.24
13.607	13.580	(0.027)	9903738	1.14536	5000	160.68- 200.68	63599.65
		Average of Peak Concentrations =			90000		
12 Aldrin					CAS #: 309-00-2		
9.242	9.240	(0.002)	111166533	0.67122	2900		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.520	10.553	(-0.033)	1278610	0.00842	36		
14 gamma-Chlordane					CAS #: 5103-74-2		
10.960	10.960	(0.000)	21941233	0.14236	620		
15 Endosulfan I					CAS #: 959-98-8		
11.367	11.340	(0.027)	1904956	0.01337	58		
17 alpha-Chlordane					CAS #: 5103-71-9		
11.281	11.280	(0.001)	6044474	0.04094	180		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
18 Dieldrin					CAS #: 60-57-1			
11.922	11.920	(0.002)	48475219	0.31929	1400			
19 4,4'-DDE					CAS #: 72-55-9			
11.799	11.800	(-0.001)	842343	0.00605	26			(a)
20 Endrin					CAS #: 72-20-8			
12.521	12.520	(0.001)	4915806	0.04109	180			
21 Endosulfan II					CAS #: 33213-65-9			
12.966	12.990	(-0.024)	15930762	0.13117	570			
26 4,4'-DDT					CAS #: 50-29-3			
13.607	13.610	(-0.003)	9903738	0.08800	380			
28 Endrin ketone					CAS #: 53494-70-5			
15.286	15.290	(-0.004)	2045668	0.01647	71			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.927	17.920	(0.007)	199804	0.00224	9.7			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\017F1601.D

Page 4

Date : 29-NOV-2000 00:01

Client ID: DSL-16

Instrument: a2hp3.i

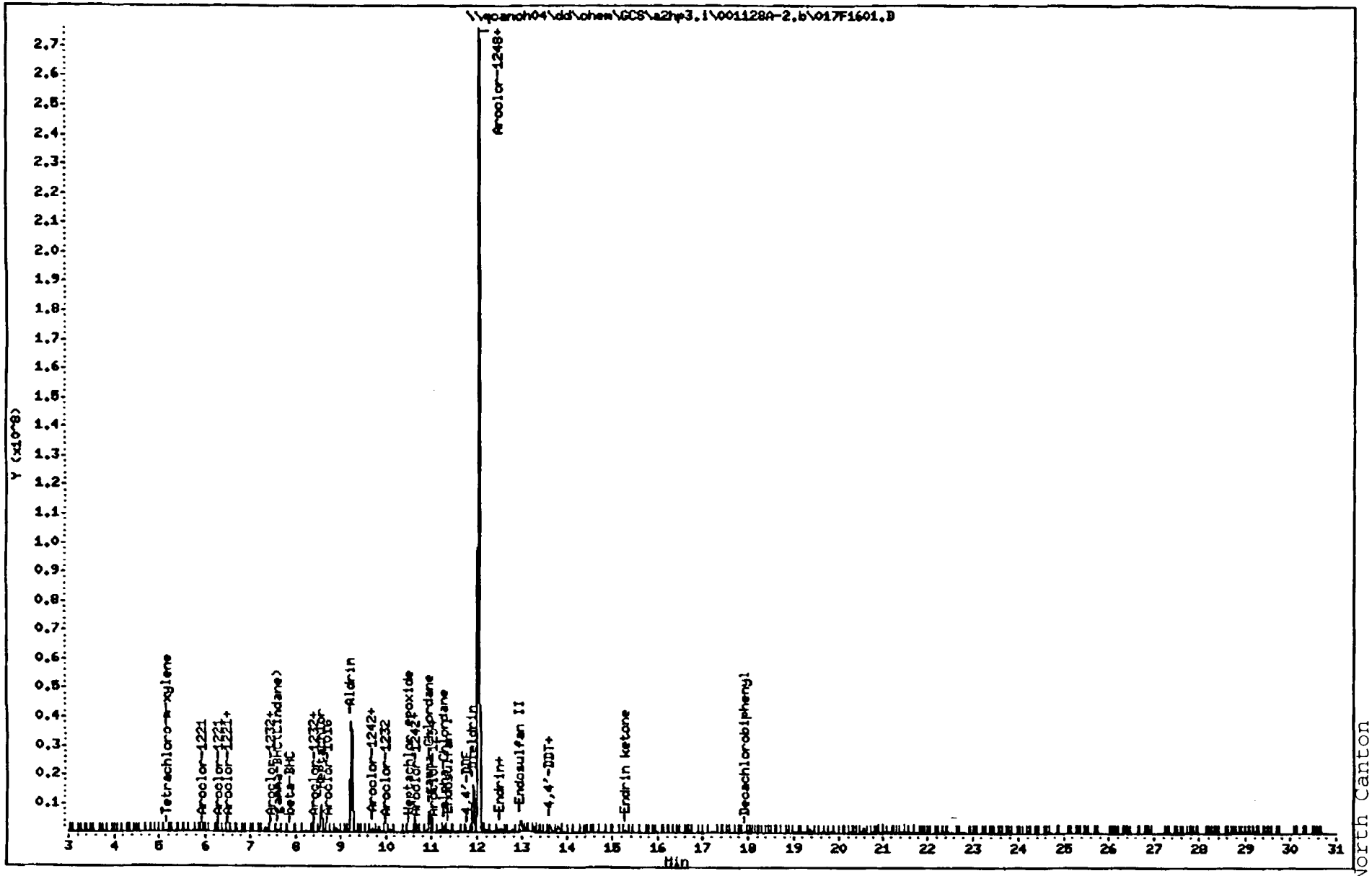
Sample Info: DPJF51AA,10

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DSL-16DL

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJF51AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 016F1501

% Moisture: 23 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	220	U
319-85-7	beta-BHC	220	U
319-86-8	delta-BHC	220	U
58-89-9	gamma-BHC(Lindane)	220	U
76-44-8	Heptachlor	740	DC
309-00-2	Aldrin	3300	DCB
1024-57-3	Heptachlor epoxide	220	U
959-98-8	Endosulfan I	220	U
60-57-1	Dieldrin	1400	DC
72-55-9	4,4'-DDE	440	U
72-20-8	Endrin	220	DJP
33213-65-9	Endosulfan II	440	U
72-54-8	4,4'-DDD	440	U
1031-07-8	Endosulfan sulfate	440	U
50-29-3	4,4'-DDT	440	DPC
72-43-5	Methoxychlor	2200	U
53494-70-5	Endrin ketone	110	U
7421-93-4	Endrin aldehyde	440	U
5103-71-9	alpha-Chlordane	210	DJP
5103-74-2	gamma-Chlordane	700	DC
8001-35-2	Toxaphene	22000	U
12674-11-2	Aroclor-1016	4400	U
11104-28-2	Aroclor-1221	8700	U
11141-16-5	Aroclor-1232	4400	U
53469-21-9	Aroclor-1242	4400	U
12672-29-6	Aroclor-1248	4400	U
11097-69-1	Aroclor-1254	4400	U
11096-82-5	Aroclor-1260	4400	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\016F1501.D
Lab Smp Id: DPJF51AA Client Smp ID: DSL-16DL
Inj Date : 28-NOV-2000 23:24
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF51AA,100
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 16
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	100.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	23.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.045	4.042	(0.003)	51275	0.00031	13			
5 alpha-BHC					CAS #: 319-84-6			
5.325	5.321	(0.004)	44953	0.00017	7.4			(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9			
6.045	6.042	(0.003)	158073	<0.0	29			(a)
9 Heptachlor					CAS #: 76-44-8			
7.072	7.071	(0.001)	3560870	0.01695	740			

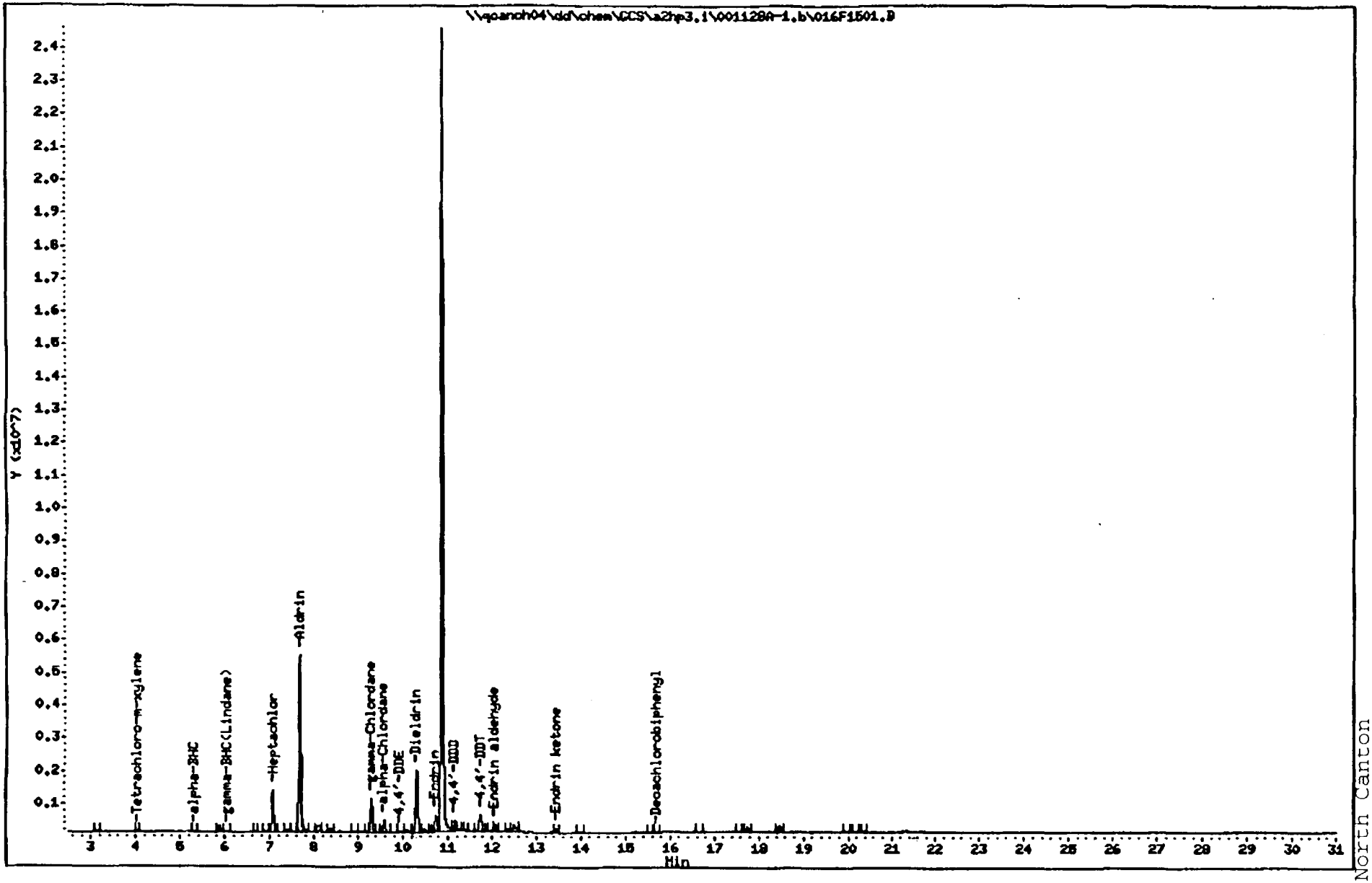
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
10 Aldrin						CAS #: 309-00-2		
7.680	7.679	(0.001)	15532594	0.07908	3400			
16 gamma-Chlordane						CAS #: 5103-74-2		
9.300	9.299	(0.001)	2961195	0.01669	730			
17 alpha-Chlordane						CAS #: 5103-71-9		
9.581	9.582	(-0.001)	1284169	0.00749	330			
18 4,4'-DDE						CAS #: 72-55-9		
9.947	9.949	(-0.002)	160210	<0.0	42			(a)
19 Dieldrin						CAS #: 60-57-1		
10.313	10.310	(0.003)	5672199	0.03161	1400			
21 Endrin						CAS #: 72-20-8		
10.730	10.743	(-0.013)	1907009	0.01420	620			
24 4,4'-DDD						CAS #: 72-54-8		
11.161	11.166	(-0.005)	1078062	0.00853	370			(a)
25 4,4'-DDT						CAS #: 50-29-3		
11.746	11.720	(0.026)	2378169	0.01839	800			
26 Endrin aldehyde						CAS #: 7421-93-4		
12.071	12.100	(-0.029)	785268	0.00757	330			(a)
29 Endrin ketone						CAS #: 53494-70-5		
13.455	13.453	(0.002)	306891	0.00218	95			(a)
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
15.700	15.700	(0.000)	77960	<0.0	29			(R)

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-1.b\016F1501.D
Date : 28-NOV-2000 23:24
Client ID: DSL-16DL
Sample Info: DPJF51AA,100
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\016F1501.D
Lab Smp Id: DPJF51AA Client Smp ID: DSL-16DL
Inj Date : 28-NOV-2000 23:24
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF51AA,100
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 16
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	100.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.190	Weigth of sample extracted (g)
M	23.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	42846	<0.0	13		
11 Heptachlor					CAS #: 76-44-8		
8.569	8.569	(0.000)	3071973	0.01718	740		
16 Aroclor-1254					CAS #: 11097-69-1		
10.685	10.660	(0.025)	1673	0.00035	15	80.00- 120.00	100.00
11.056	11.080	(-0.024)	6658	0.00118	51	97.51- 137.51	397.97
12.044	12.010	(0.034)	64957113	8.91683	380000	132.22- 172.22	3882672.62
12.520	12.490	(0.030)	604670	0.12424	5400	81.70- 121.70	36142.86
13.607	13.580	(0.027)	1134678	0.13122	5700	160.68- 200.68	67822.95
Average of Peak Concentrations =					78000		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
12 Aldrin						CAS #: 309-00-2		
9.240	9.240	(0.000)	12797328	0.07727	3300			
14 gamma-Chlordane						CAS #: 5103-74-2		
10.960	10.960	(0.000)	2482696	0.01611	700			
17 alpha-Chlordane						CAS #: 5103-71-9		
11.280	11.280	(0.000)	732776	0.00496	210			(a)
18 Dieldrin						CAS #: 60-57-1		
11.920	11.920	(0.000)	5490194	0.03616	1600			
20 Endrin						CAS #: 72-20-8		
12.520	12.520	(0.000)	604670	0.00505	220			(a)
21 Endosulfan II						CAS #: 33213-65-9		
12.965	12.990	(-0.025)	1750711	0.01441	620			
26 4,4'-DDT						CAS #: 50-29-3		
13.607	13.610	(-0.003)	1134678	0.01008	440			
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.922	17.920	(0.002)	46374	<0.0	22			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\016F1501.D

Page 3

Date : 28-NOV-2000 23:24

Client ID: DSL-16DL

Instrument: a2hp3.i

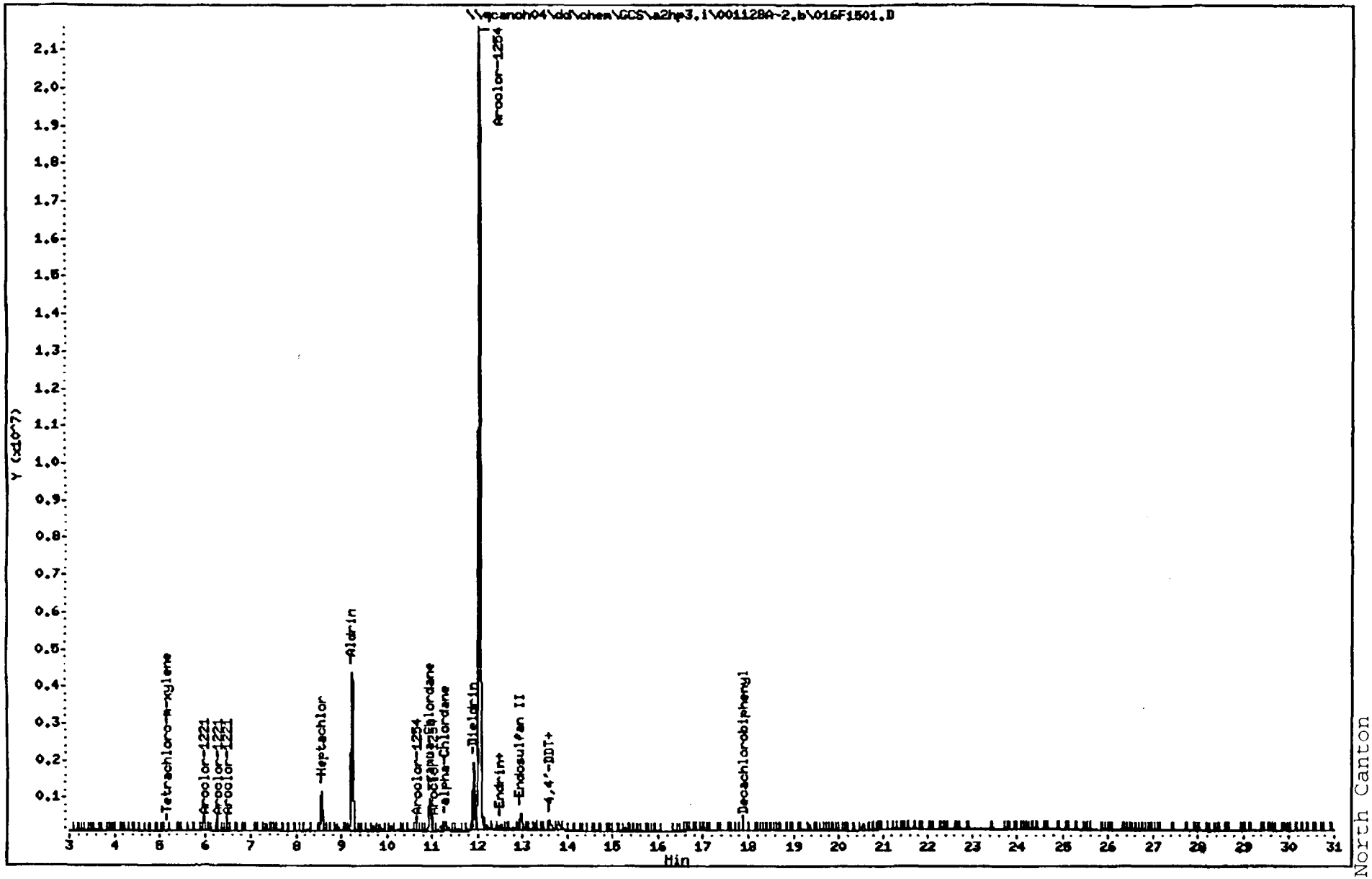
Sample Info: DPJF51AA,100

Volume Injected (uL): 1.0

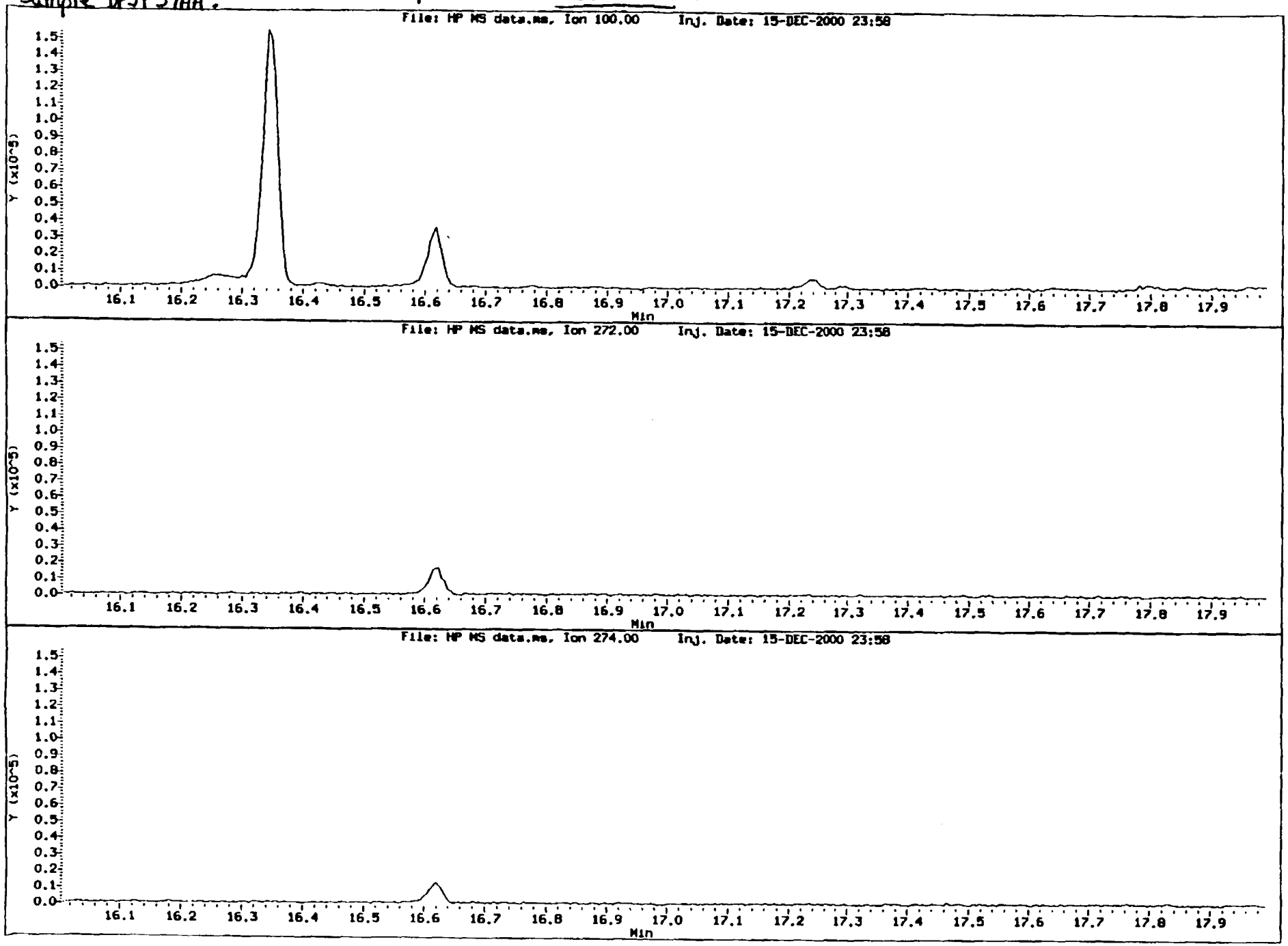
Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

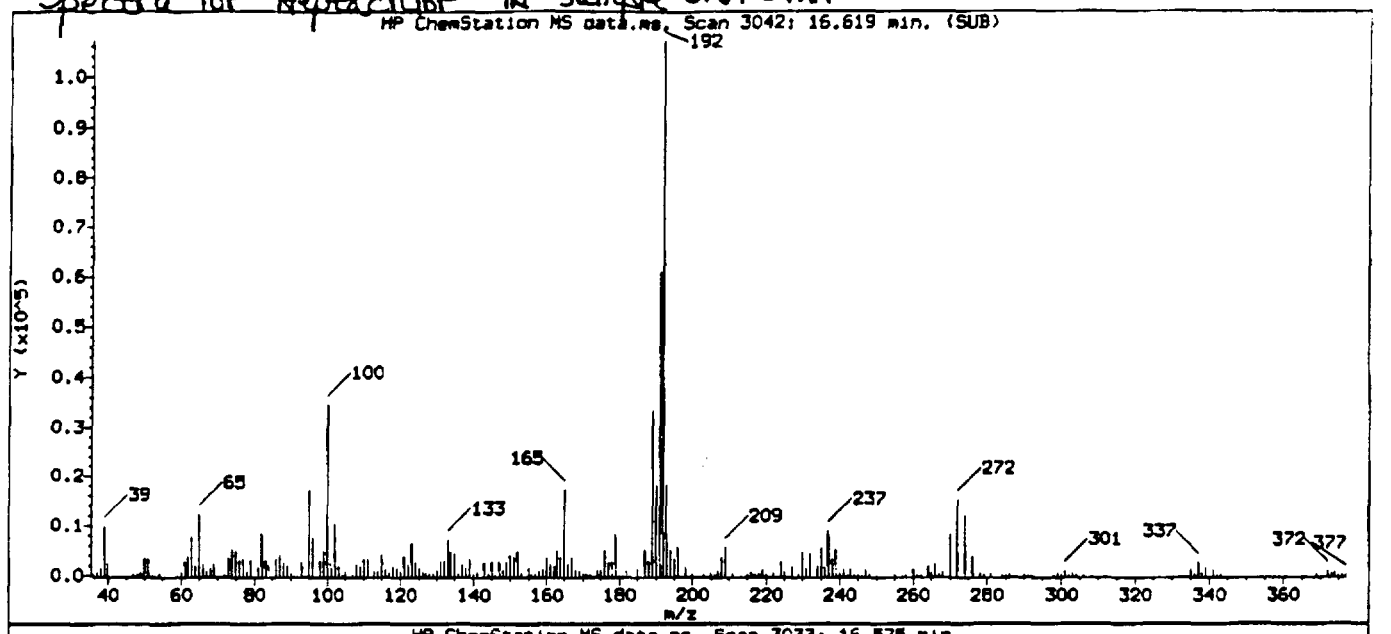
Column diameter: 0.53

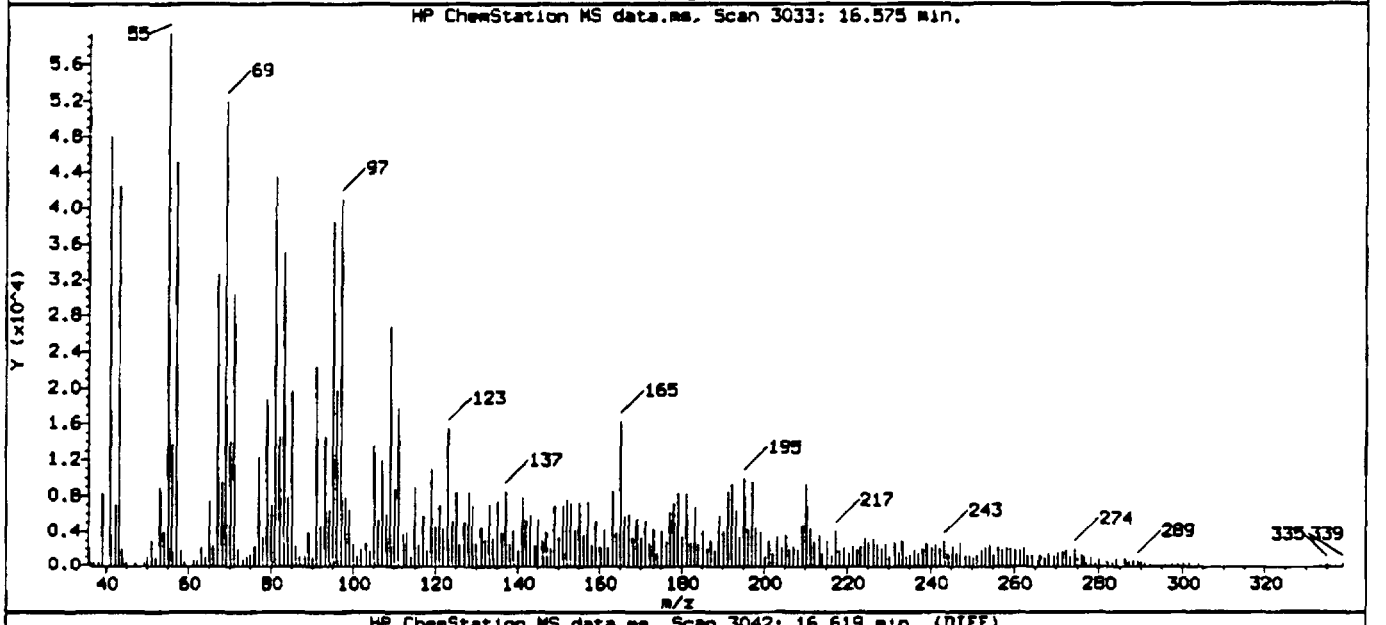


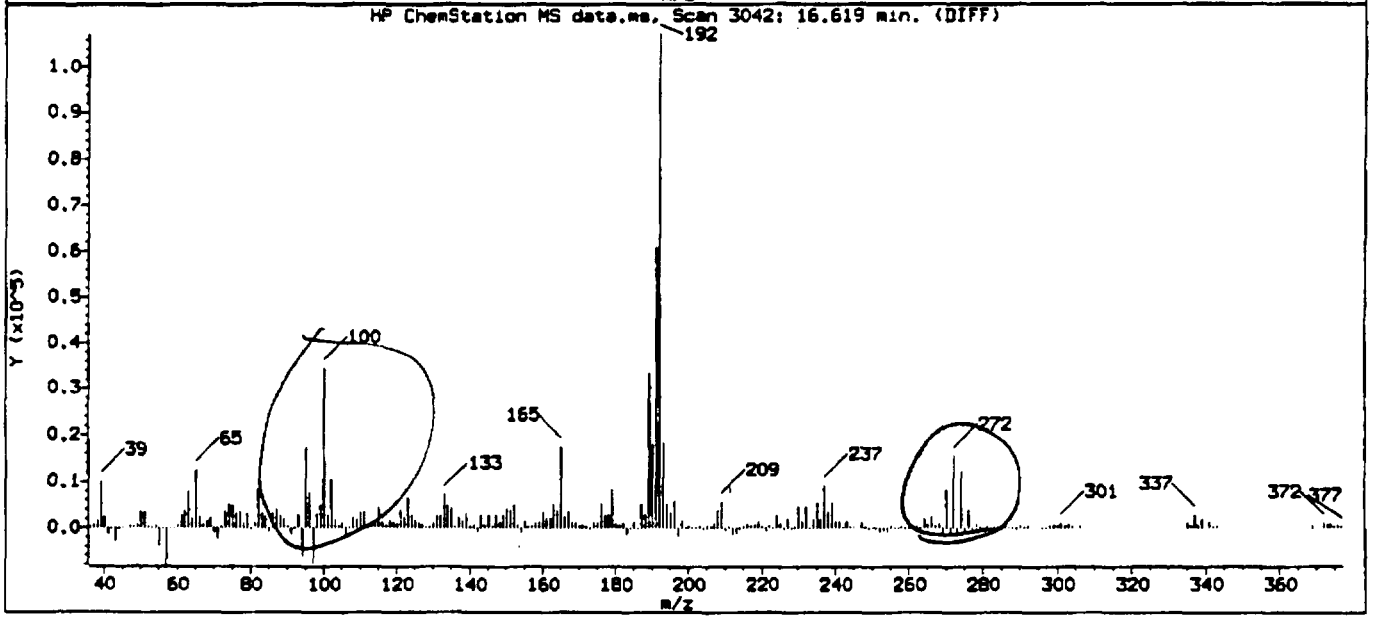
Sample DPJF5/AA: Presence of Heptachlor Confirmed.



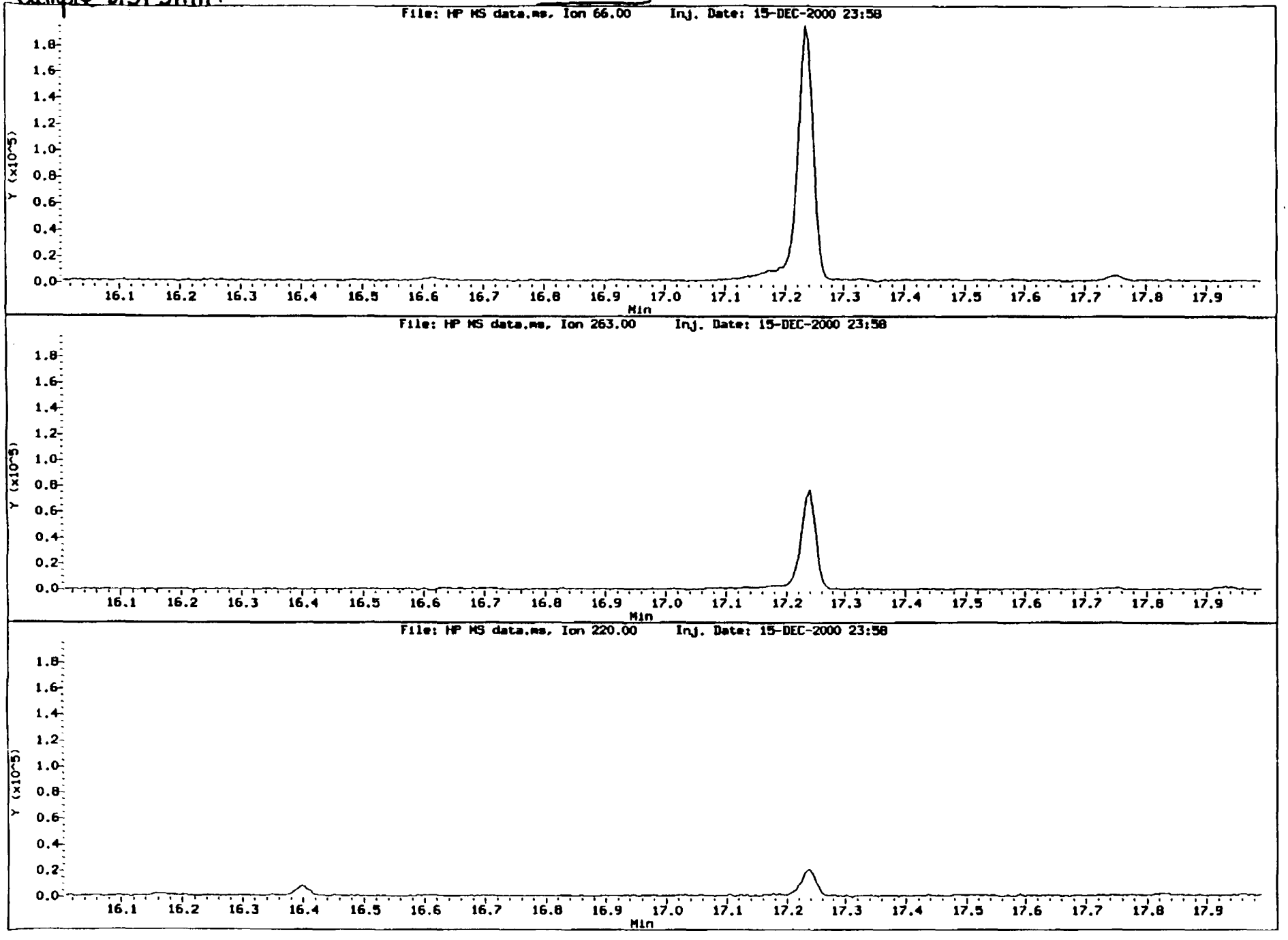
Spectra for Heptachlor in Sample DPJF51AA



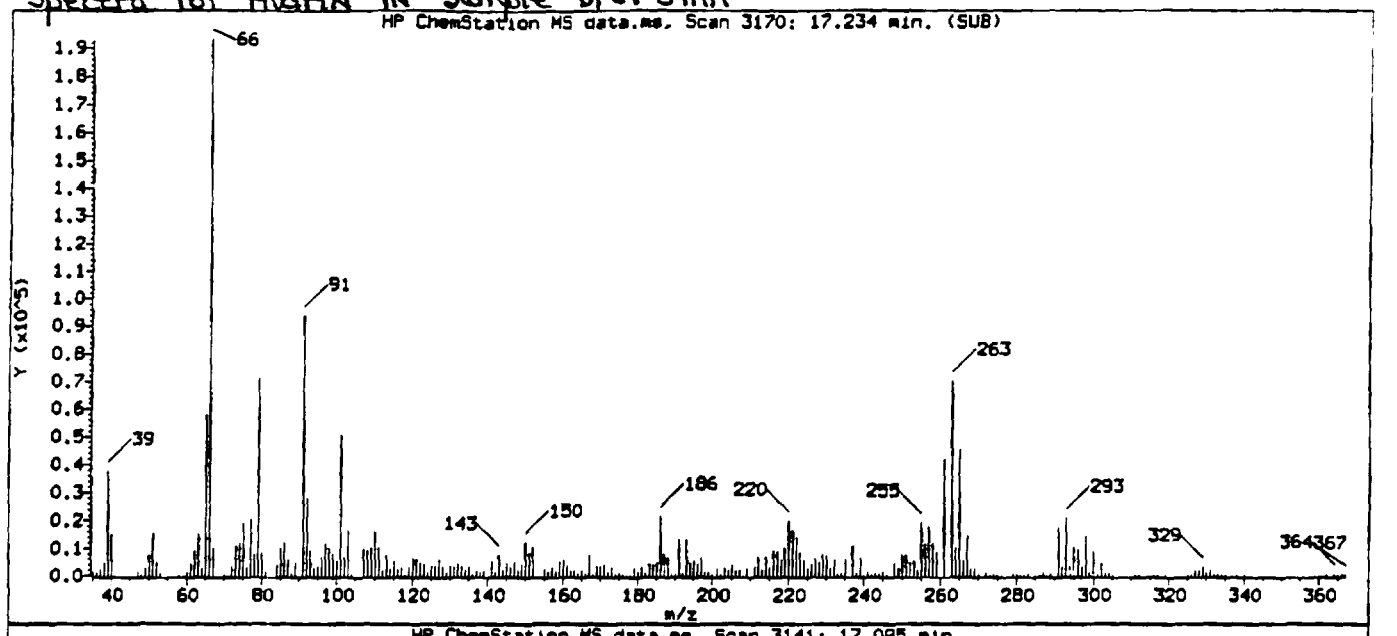


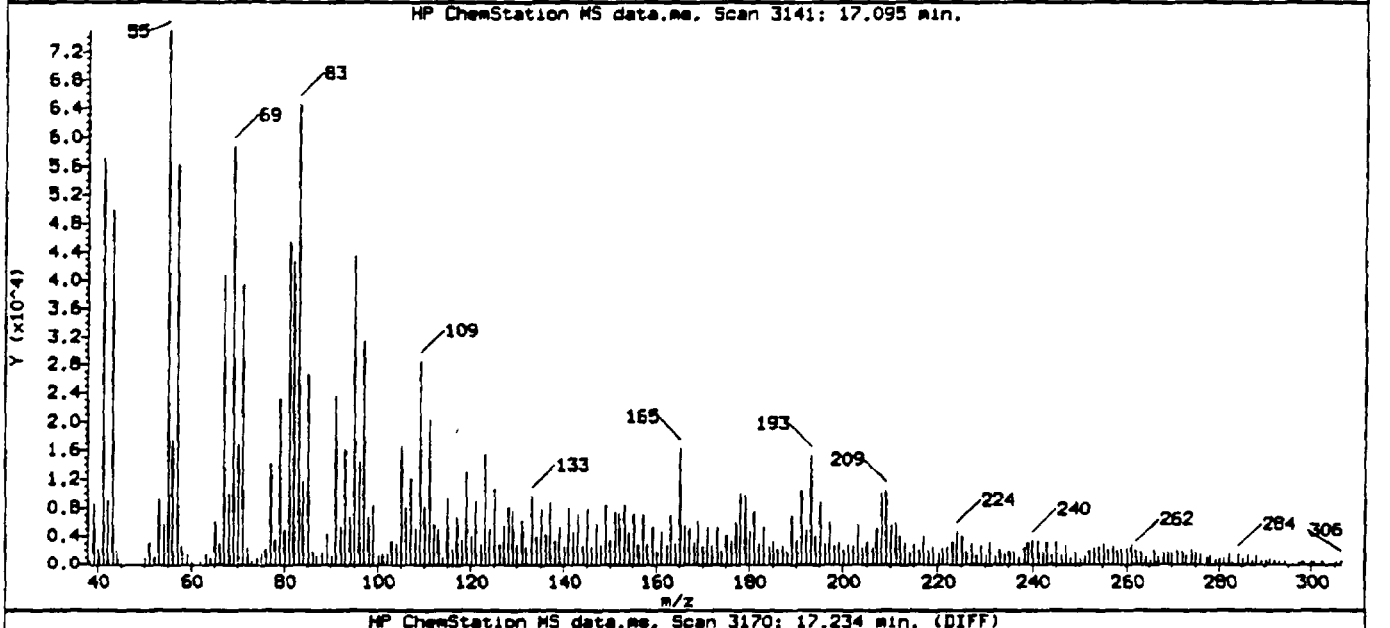


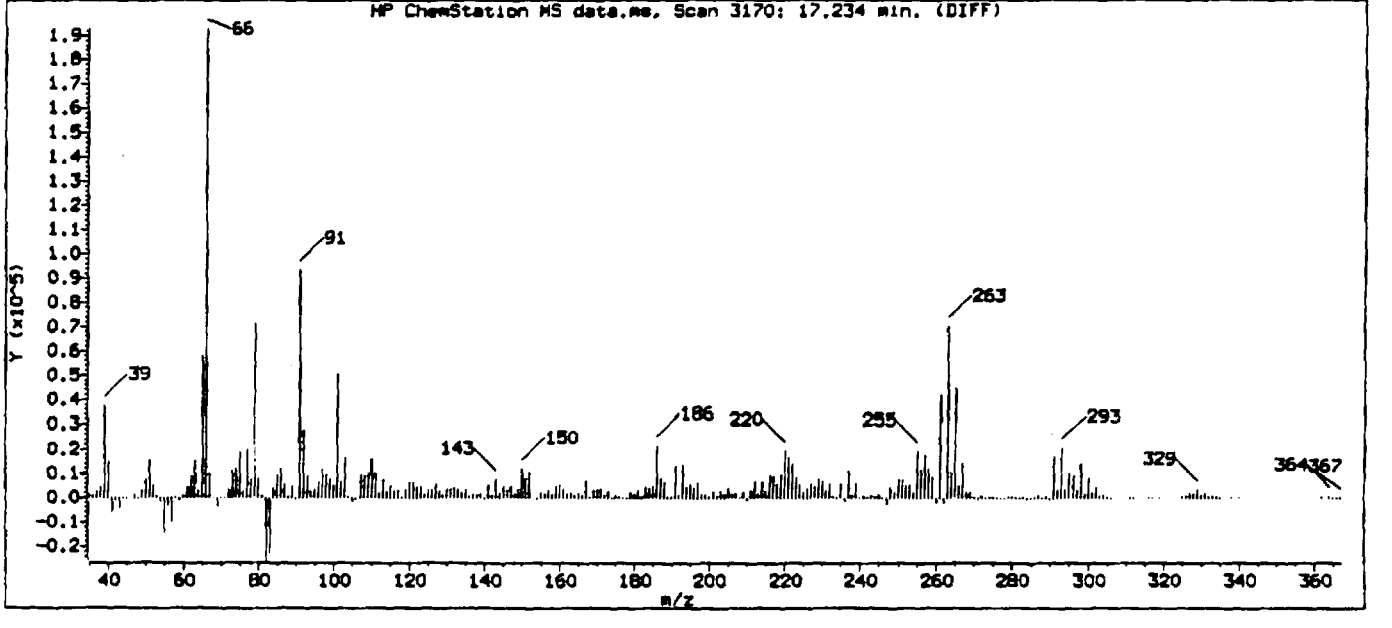
Sample DPJF51AA: Presense of Aldrin Confirmed.



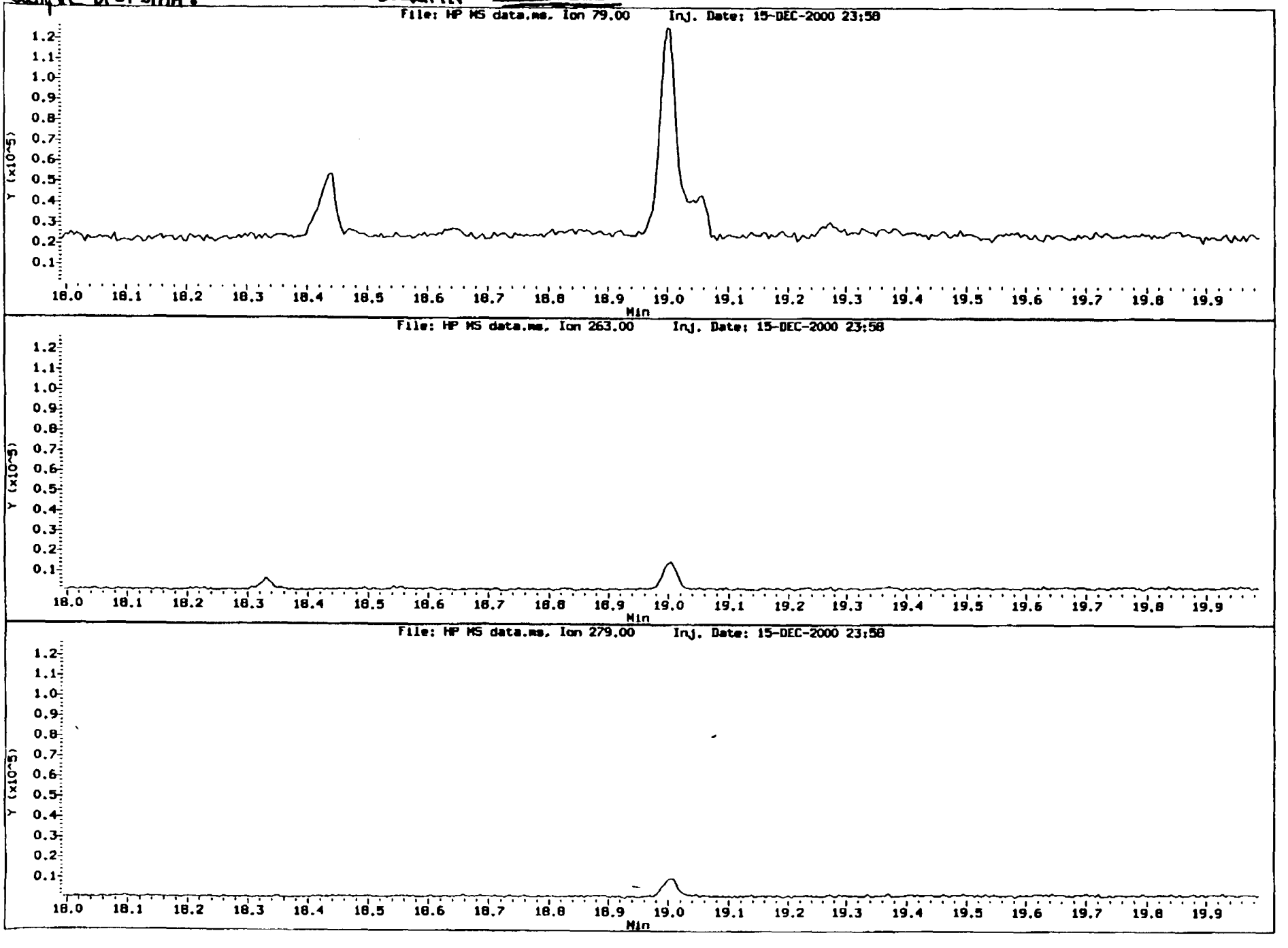
Spectra for Aldrin in Sample DPJF51AA



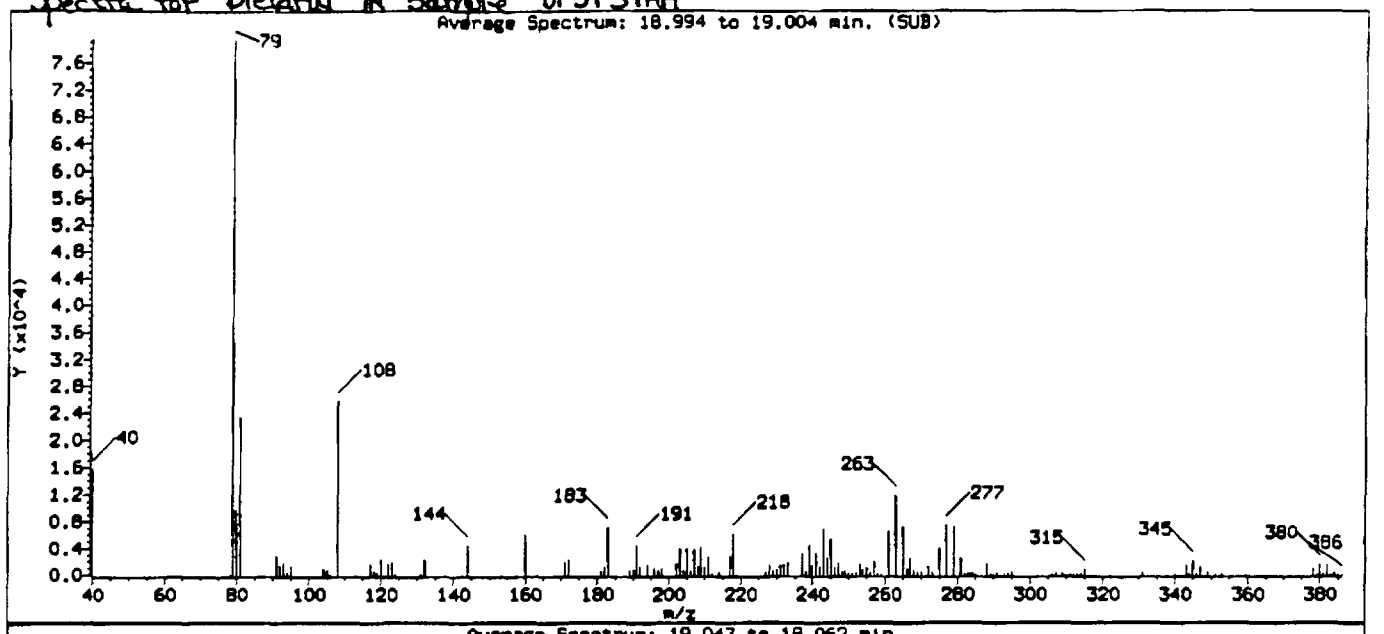


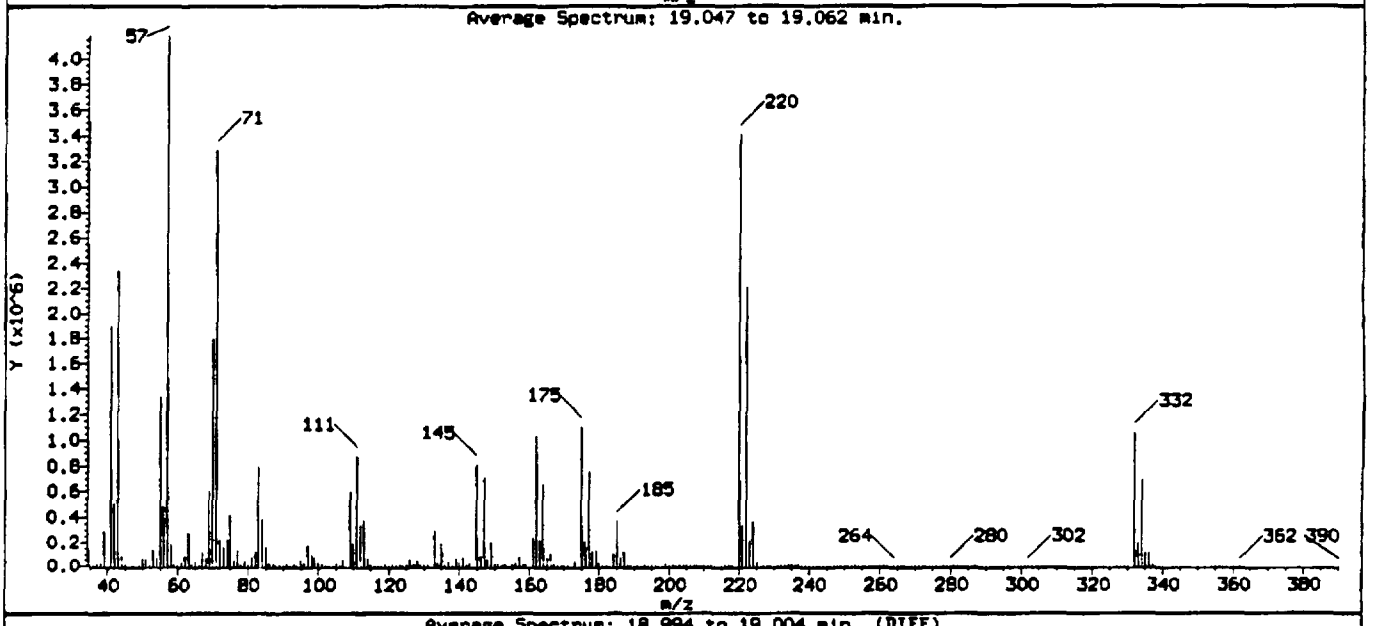


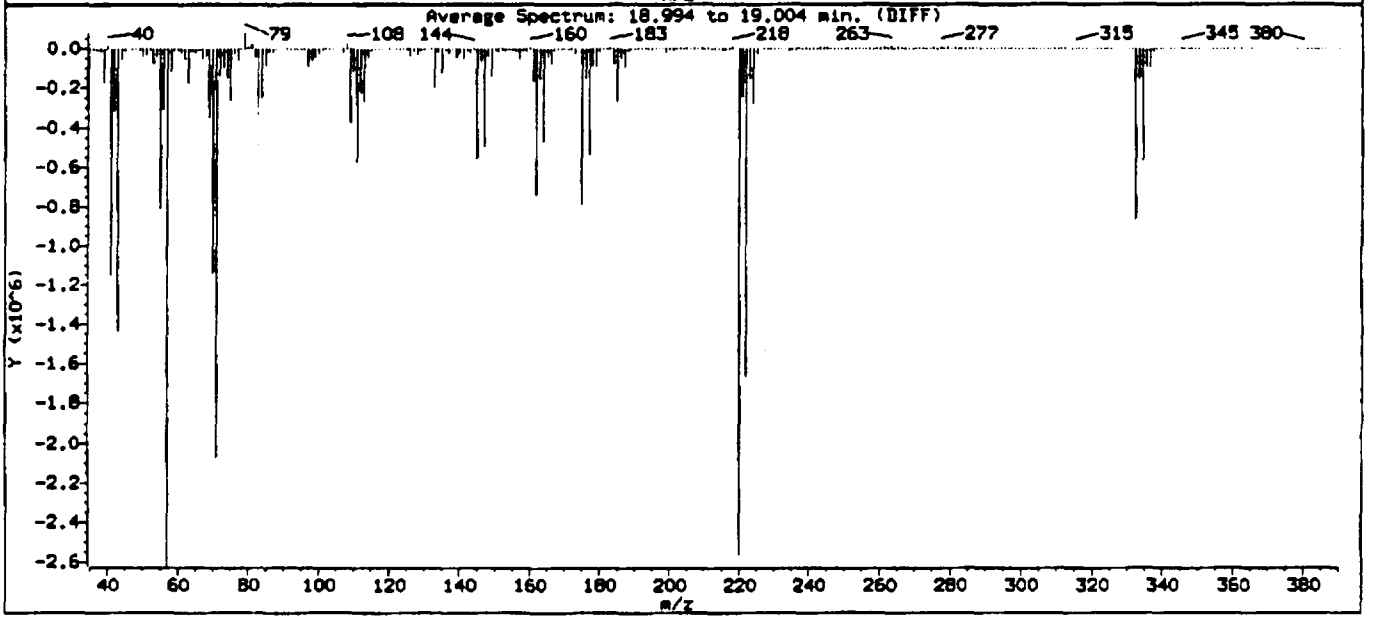
Sample DPJF51AA: Presense of Dieldrin Confirmed.



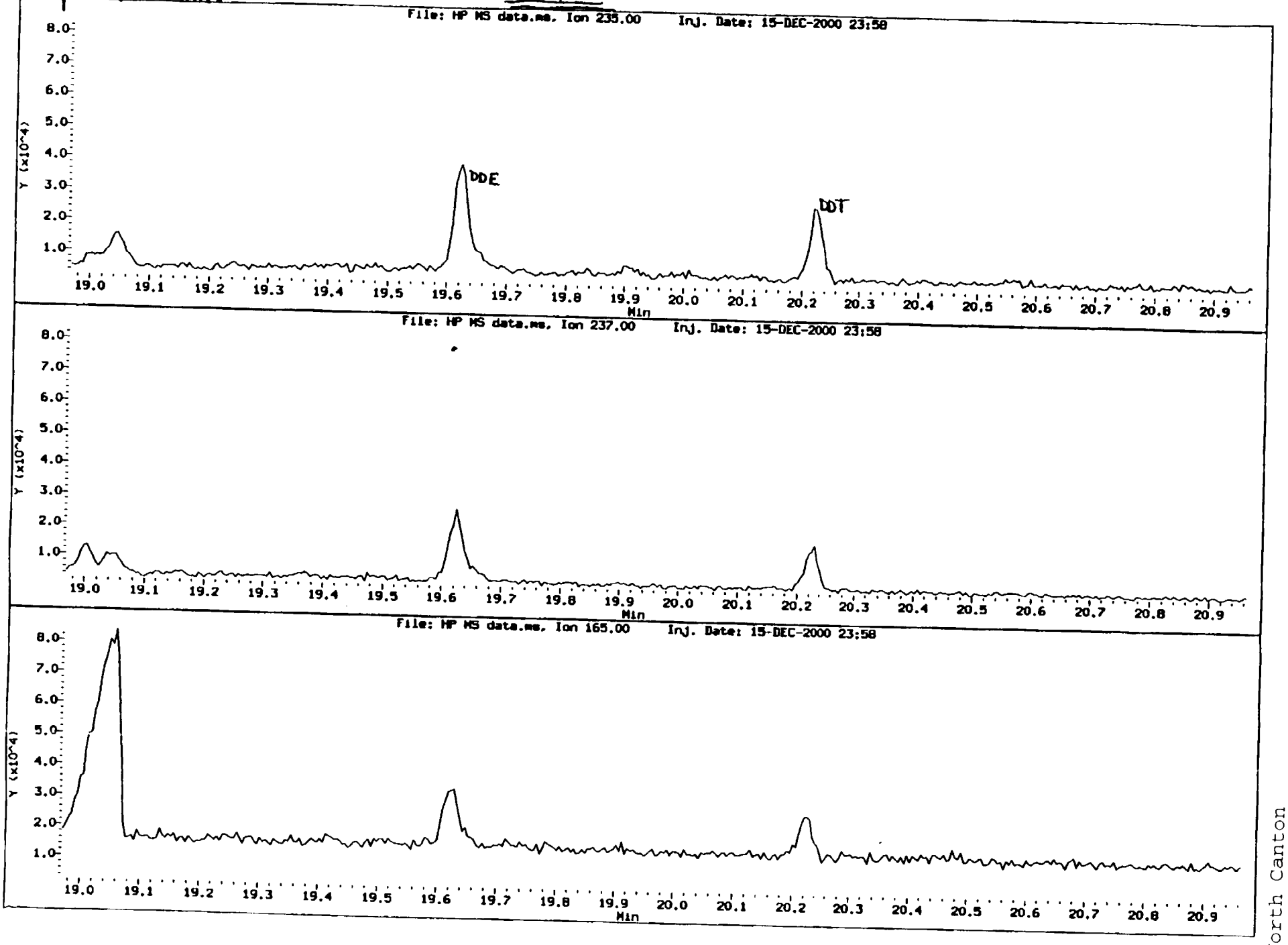
Spectra for Dieldrin in Sample DPJF51AA



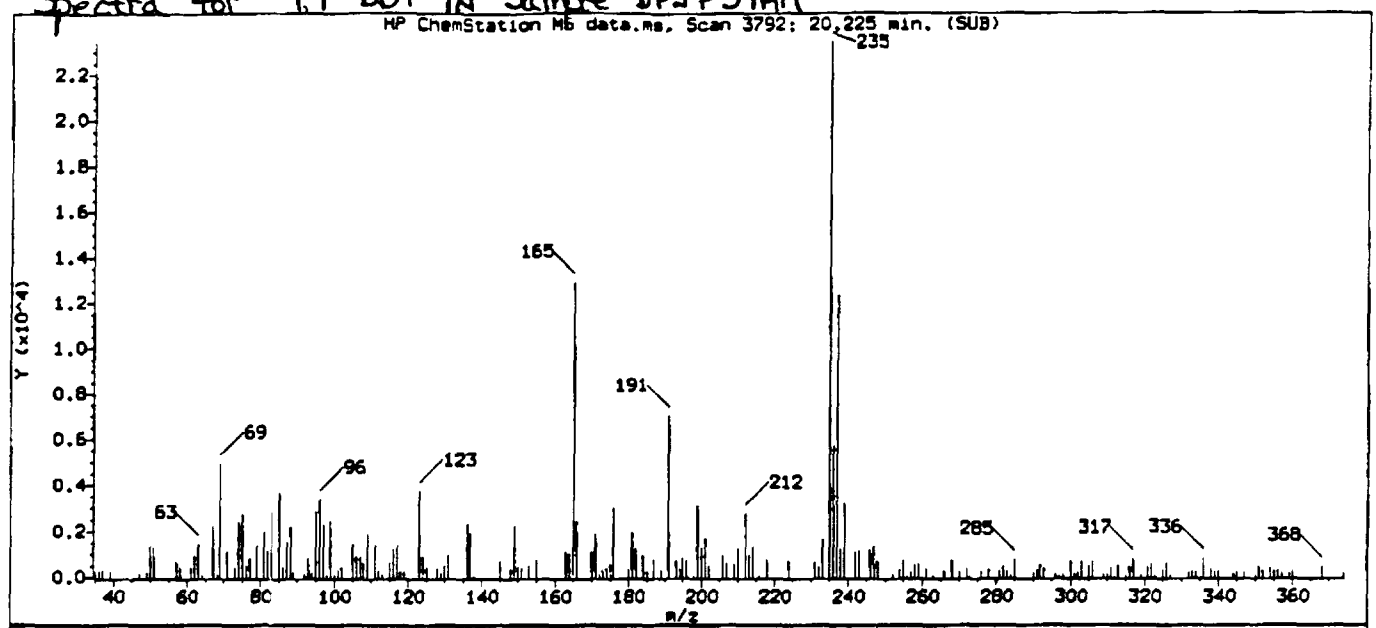


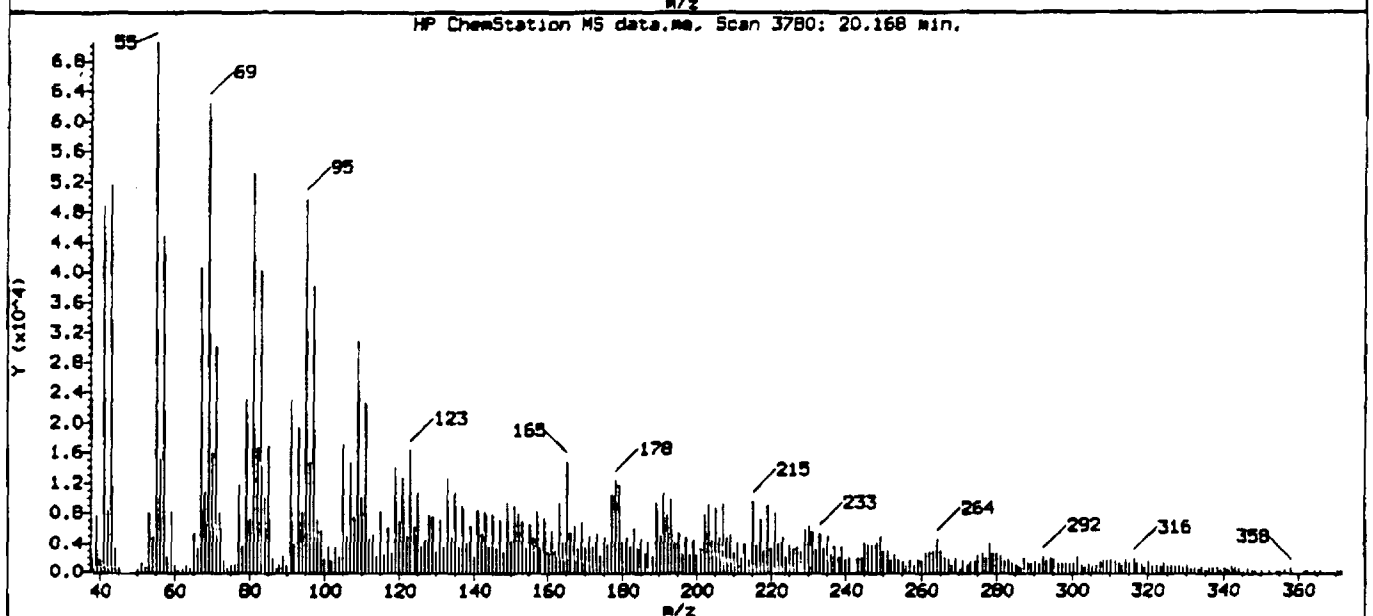


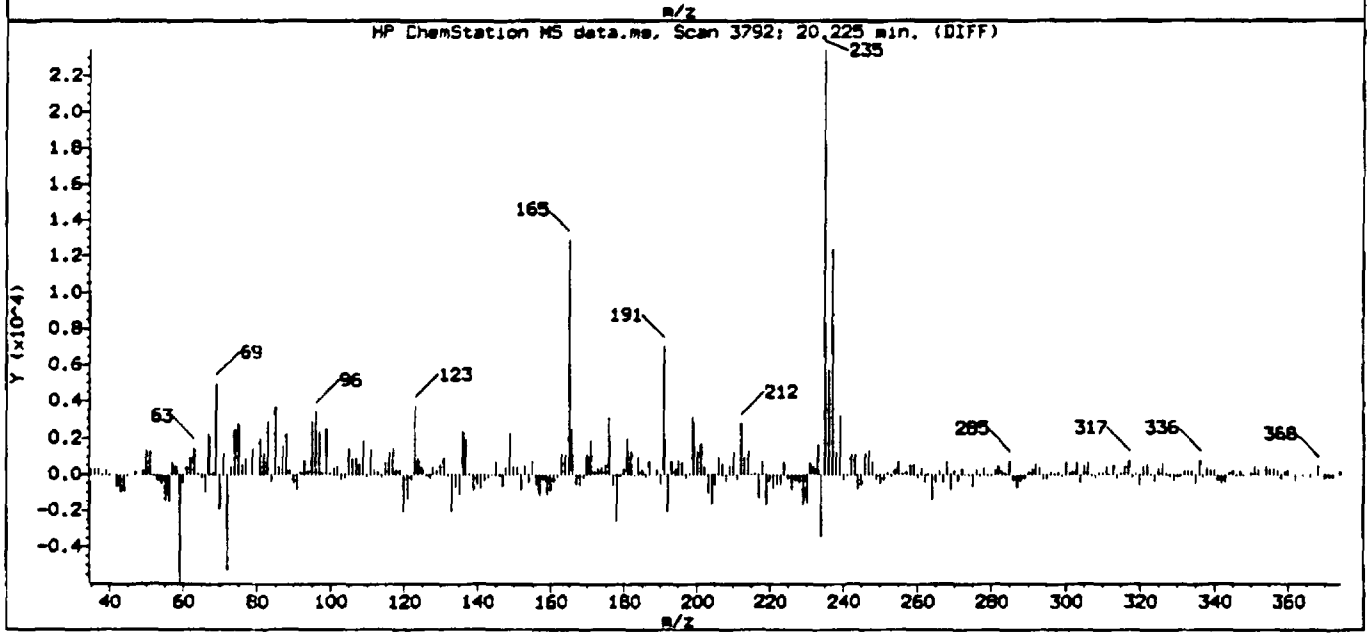
Sample DPJF5 IAA: Presense of 4,4'-DDT Confirmed.



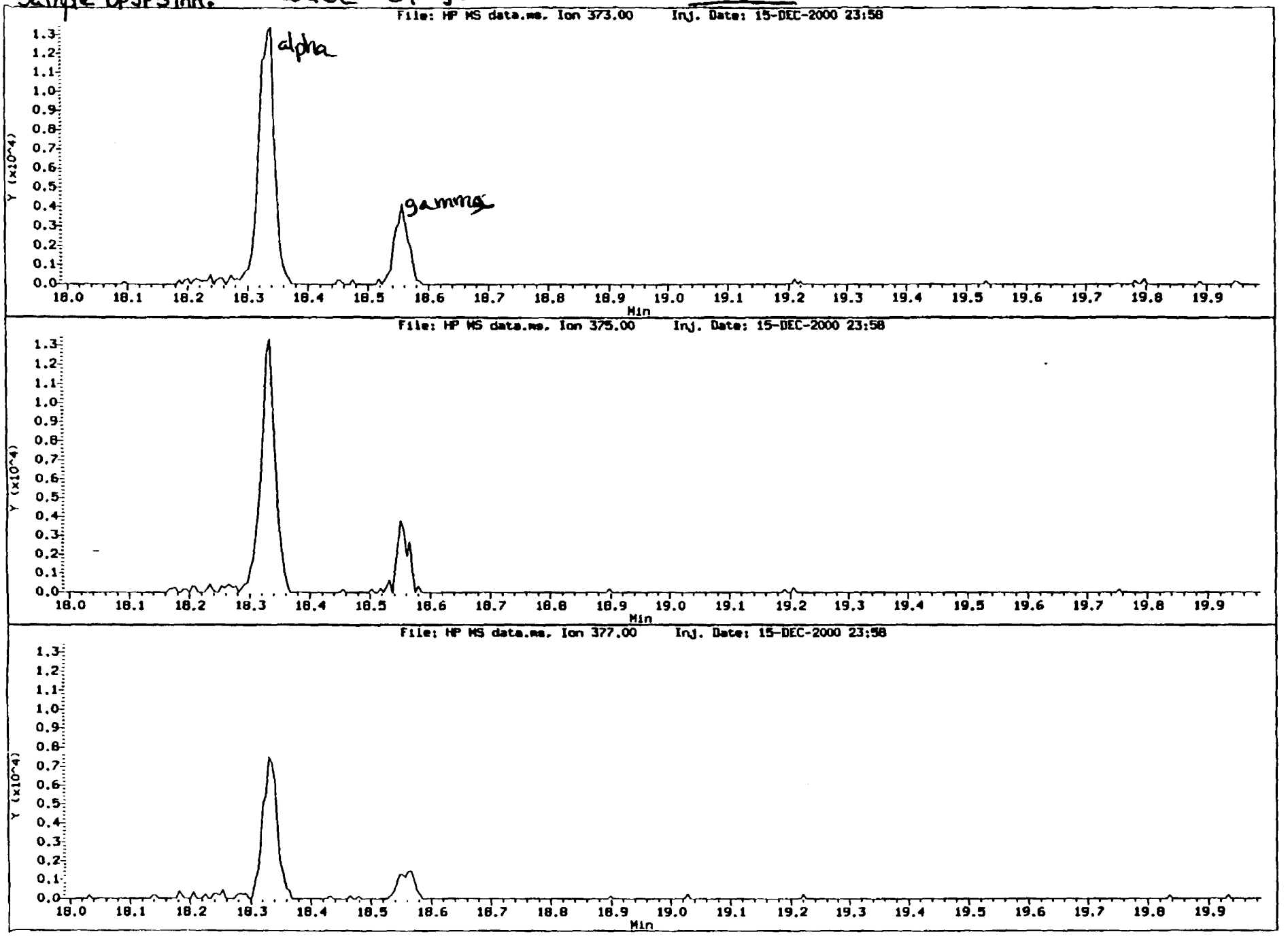
Spectra for 4,4'-DDT in Sample DPJF51AA



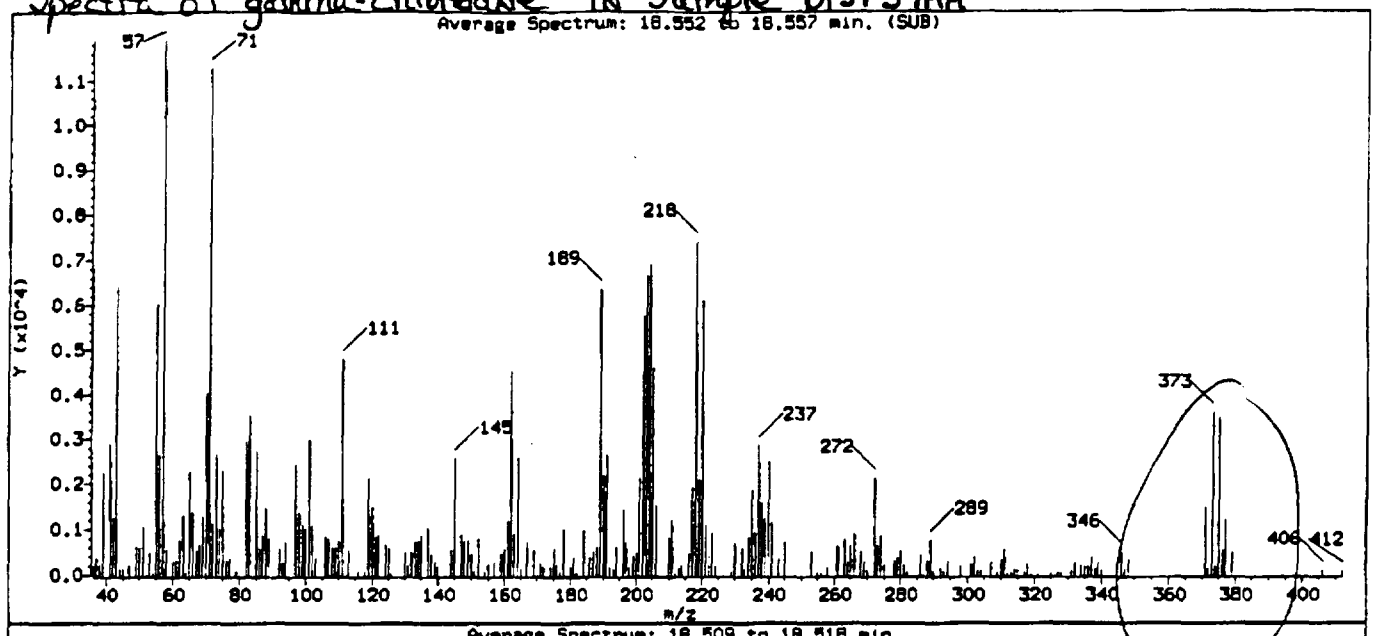


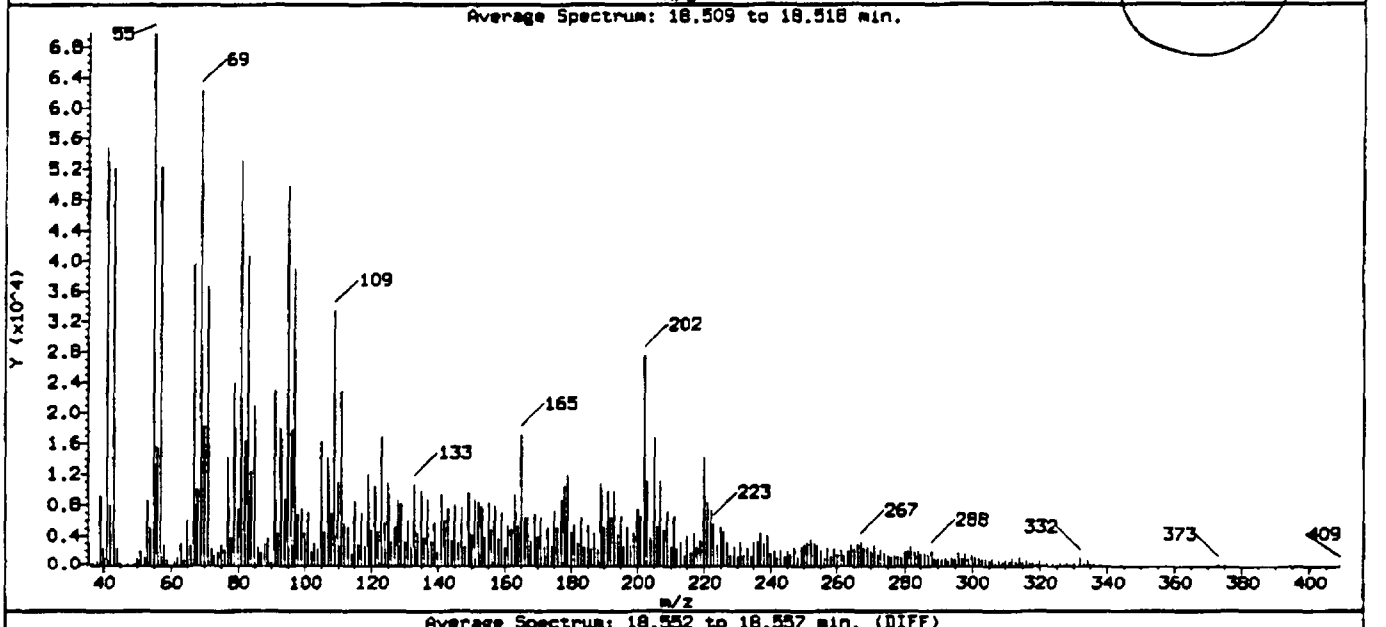


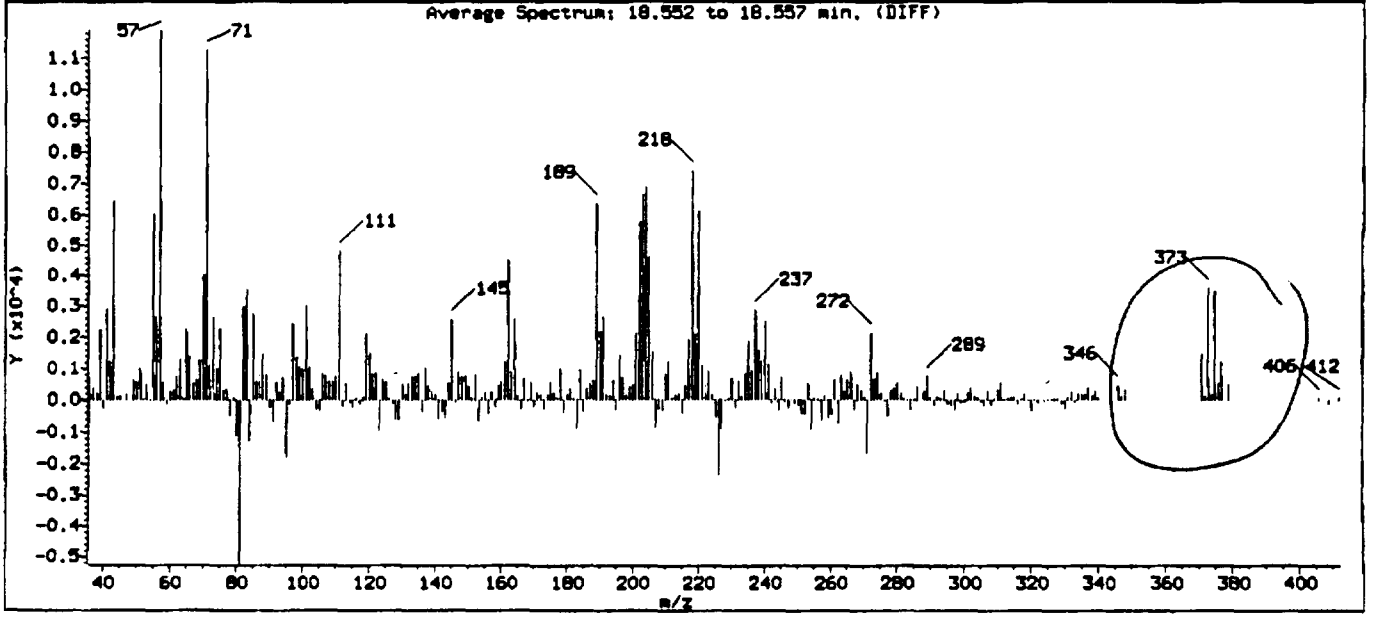
Sample DPJF51AA: Presense of gamma-chlordane Confirmed.



Spectra of gamma-chlordane in Sample DPJF5 1RA







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-80

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPDH31AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 006F0501

% Moisture: 21 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC(Lindane)	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	47	B
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	5.3	U
7421-93-4	Endrin aldehyde	21	U
5103-71-9	alpha-Chlordane	11	U
5103-74-2	gamma-Chlordane	11	U
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	420	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\006F0501.D
Lab Smp Id: DPDH31AA Client Smp ID: SL-80
Inj Date : 28-NOV-2000 17:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH31AA,5
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 6
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	5.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	21.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	563395	0.00340	7.2		
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	4456315	0.02269	48		
12 beta-BHC					CAS #: 319-85-7		
6.307	6.319	(-0.012)	253928	0.00270	5.7		(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	431913	0.00372	7.9		

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\006F0501.D

Page 3

Date : 28-NOV-2000 17:11

Client ID: SL-80

Instrument: a2hp3.i

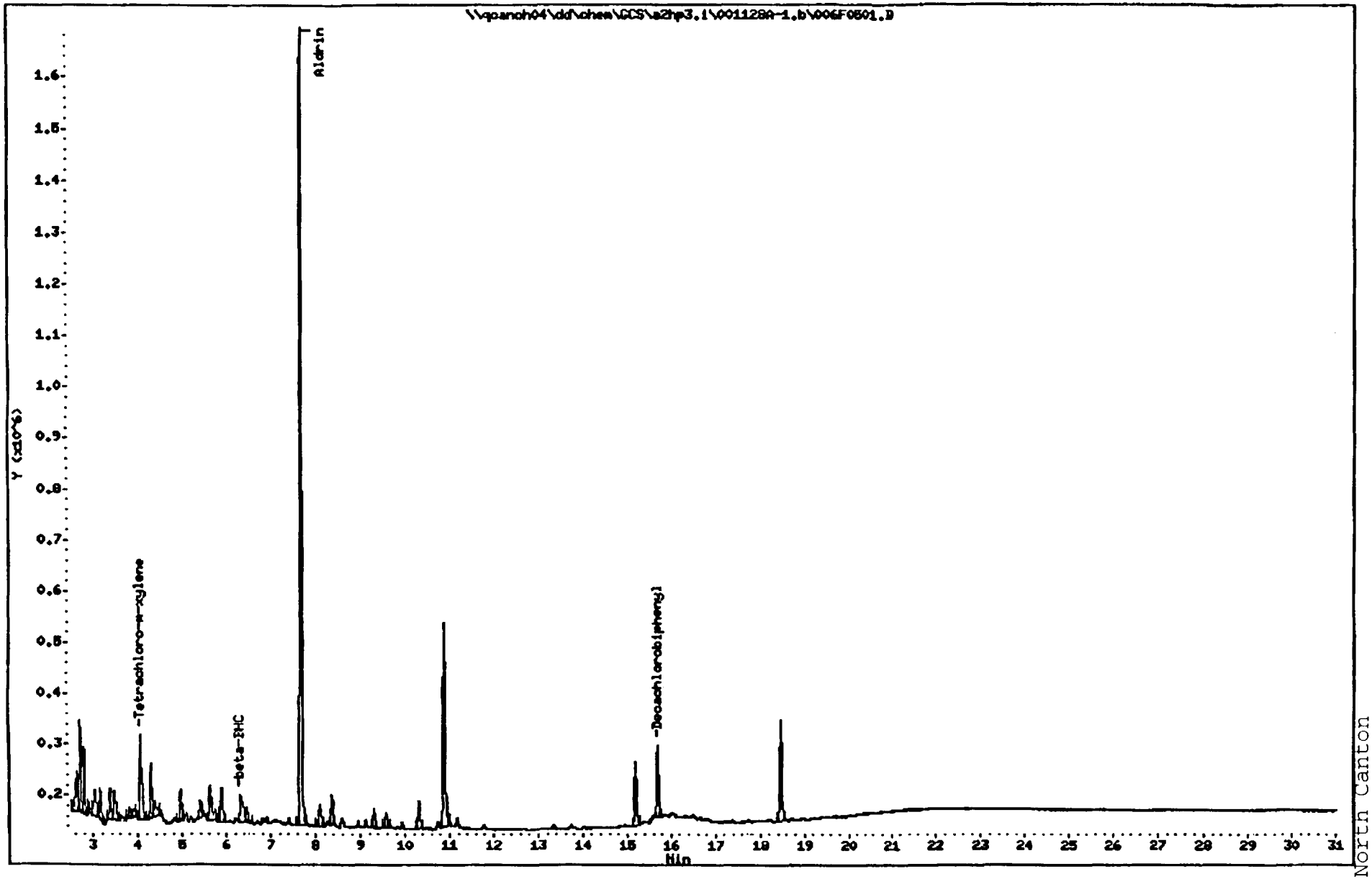
Sample Info: DPDH31AA,5

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\006F0501.D
Lab Smp Id: DPDH31AA Client Smp ID: SL-80
Inj Date : 28-NOV-2000 17:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH31AA,5
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 6
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	5.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.130	Weigth of sample extracted (g)
M	21.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.172	5.170	(0.002)	400037	0.00283	6.0		
12 Aldrin					CAS #: 309-00-2		
9.242	9.240	(0.002)	3714848	0.02243	47		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.923	17.920	(0.003)	354121	0.00398	8.4		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\006F0501.D

Page 2

Date : 28-NOV-2000 17:11

Client ID: SL-80

Instrument: a2hp3.i

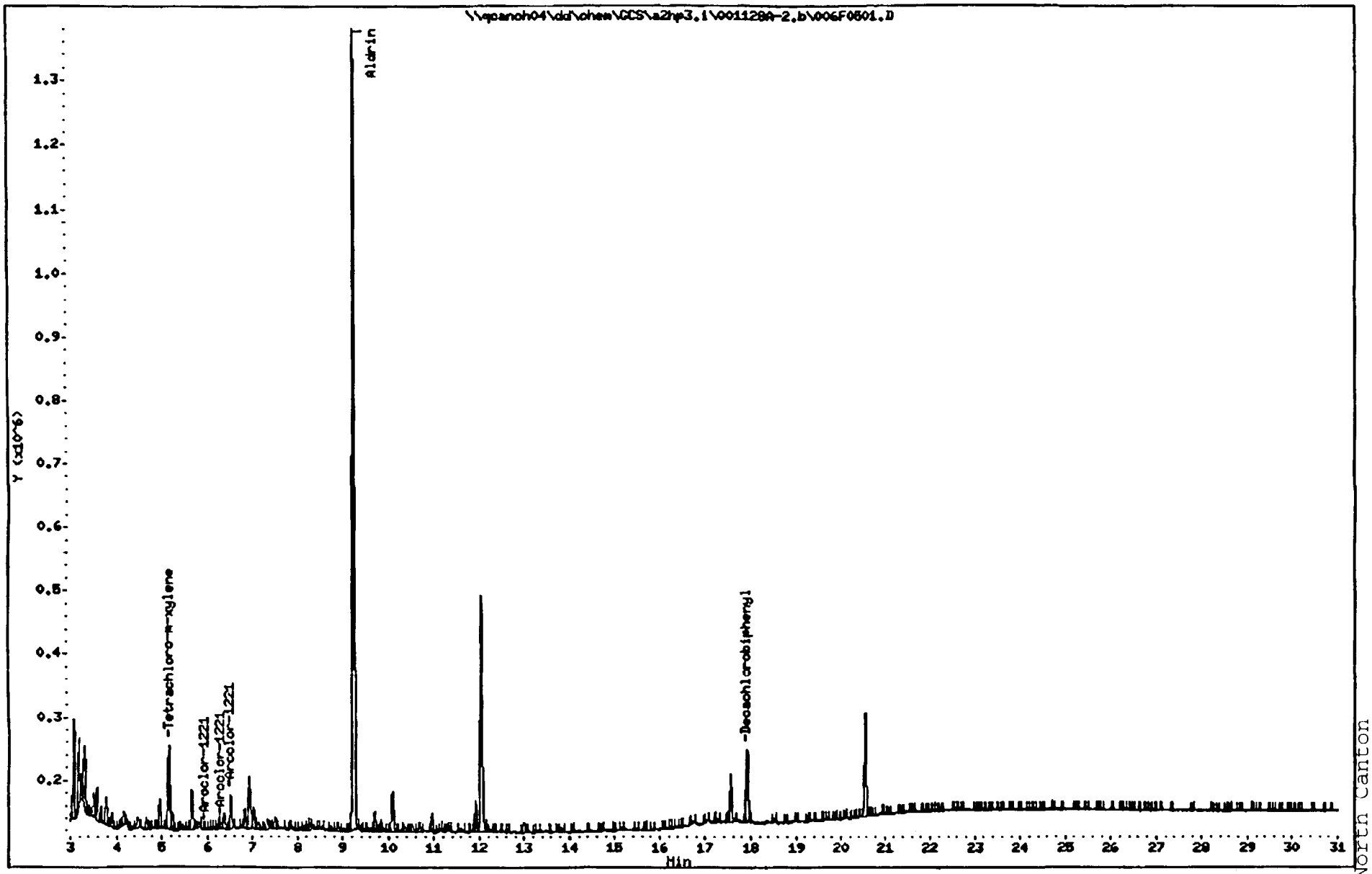
Sample Info: DPDH31AA,5

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-81

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPDH91AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 008F0701

% Moisture: 24 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	1.1	J
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	330	B
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	8.7	
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	1.1	U
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	1.7	J
5103-74-2	gamma-Chlordane	3.0	
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\008F0701.D
Lab Smp Id: DPDH91AA Client Smp ID: SL-81
Inj Date : 28-NOV-2000 18:26
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	2485849	0.01500	6.6		
5 alpha-BHC					CAS #: 319-84-6		
5.315	5.321	(-0.006)	290003	0.00110	0.48		(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.045	6.042	(0.003)	643925	0.00275	1.2		(a)
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	152078036	0.77428	340		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
12 beta-BHC						CAS #: 319-85-7		
6.308	6.319	(-0.011)	218438	0.00233	1.0			(a)
16 gamma-Chlordane						CAS #: 5103-74-2		
9.300	9.299	(0.001)	1201891	0.00677	3.0			
17 alpha-Chlordane						CAS #: 5103-71-9		
9.578	9.582	(-0.004)	818161	0.00477	2.1			(a)
18 4,4'-DDE						CAS #: 72-55-9		
9.945	9.949	(-0.004)	223059	0.00136	0.60			(a)
19 Dieldrin						CAS #: 60-57-1		
10.312	10.310	(0.002)	3716115	0.02071	9.1			
21 Endrin						CAS #: 72-20-8		
10.744	10.743	(0.001)	376205	0.00280	1.2			(a)
24 4,4'-DDD						CAS #: 72-54-8		
11.162	11.166	(-0.004)	765139	0.00606	2.6			(a)
25 4,4'-DDT						CAS #: 50-29-3		
11.782	11.720	(0.062)	384285	0.00297	1.3			(a)
29 Endrin ketone						CAS #: 53494-70-5		
13.444	13.453	(-0.009)	297226	0.00212	0.92			(a)
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
15.697	15.700	(-0.003)	2147358	0.01850	8.1			

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\008F0701.D

Date : 28-NOV-2000 18:26

Client ID: SL-81

Sample Info: DPDH91AA

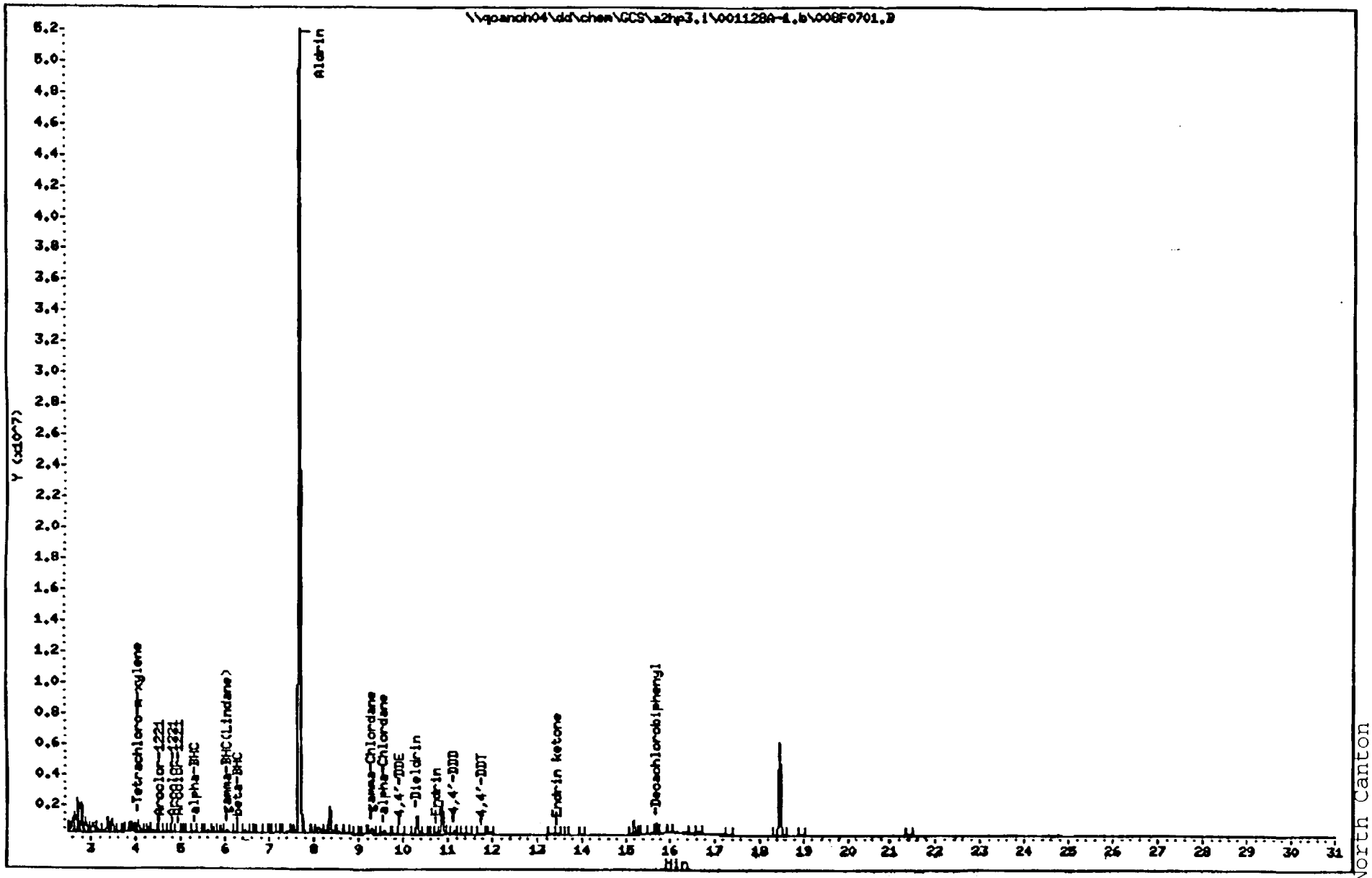
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\008F0701.D
Lab Smp Id: DPDH91AA Client Smp ID: SL-81
Inj Date : 28-NOV-2000 18:26
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AA
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.160	Weigth of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	1376392	0.00974	4.2		(R)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.622	7.619	(0.003)	512102	0.00255	1.1		(a)
12 Aldrin					CAS #: 309-00-2		
9.241	9.240	(0.001)	126431680	0.76339	330		
14 gamma-Chlordane					CAS #: 5103-74-2		
10.960	10.960	(0.000)	1086684	0.00705	3.1		

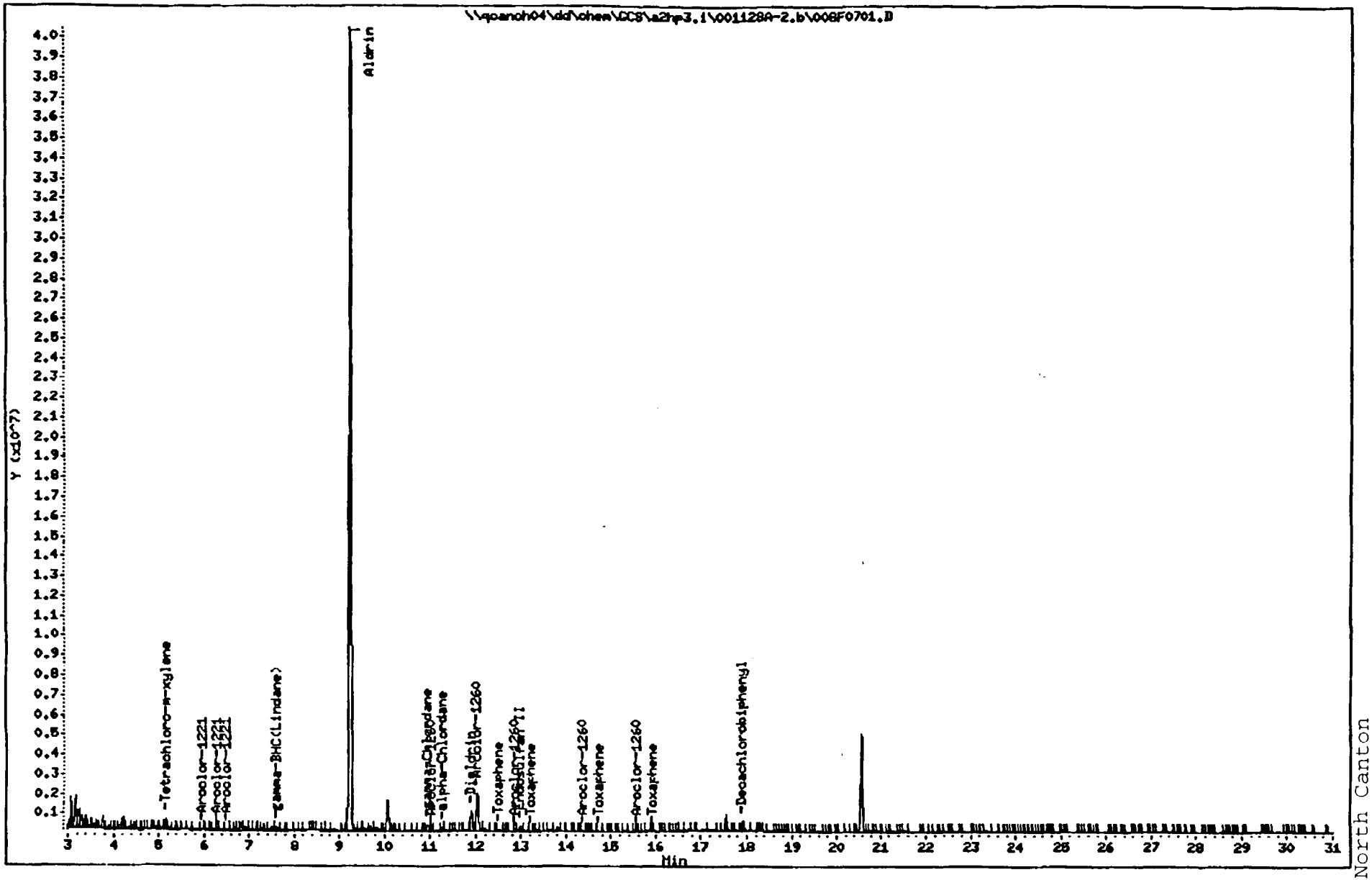
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
17 alpha-Chlordane					CAS #: 5103-71-9			
11.281	11.280	(0.001)	574151	0.00389	1.7			(a)
18 Dieldrin					CAS #: 60-57-1			
11.920	11.920	(0.000)	3040031	0.02002	8.7			
21 Endosulfan II					CAS #: 33213-65-9			
12.989	12.990	(-0.001)	860008	0.00708	3.1			
22 Aroclor-1260					CAS #: 11096-82-5			
11.054	11.080	(-0.026)	19587	0.01034	4.5	80.00- 120.00	100.00	
12.043	12.090	(-0.047)	5830148	2.04583	890	130.48- 170.48	29765.40	
12.883	12.870	(0.013)	13510	0.00207	0.90	325.36- 365.36	68.97	
14.388	14.350	(0.038)	48526	0.00893	3.9	266.86- 306.86	247.75	
15.575	15.600	(-0.025)	1558	<0.0	0.086	393.51- 433.51	7.95	
Average of Peak Concentrations =					180			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.921	17.920	(0.001)	1578294	0.01772	7.7			

QC Flag Legend

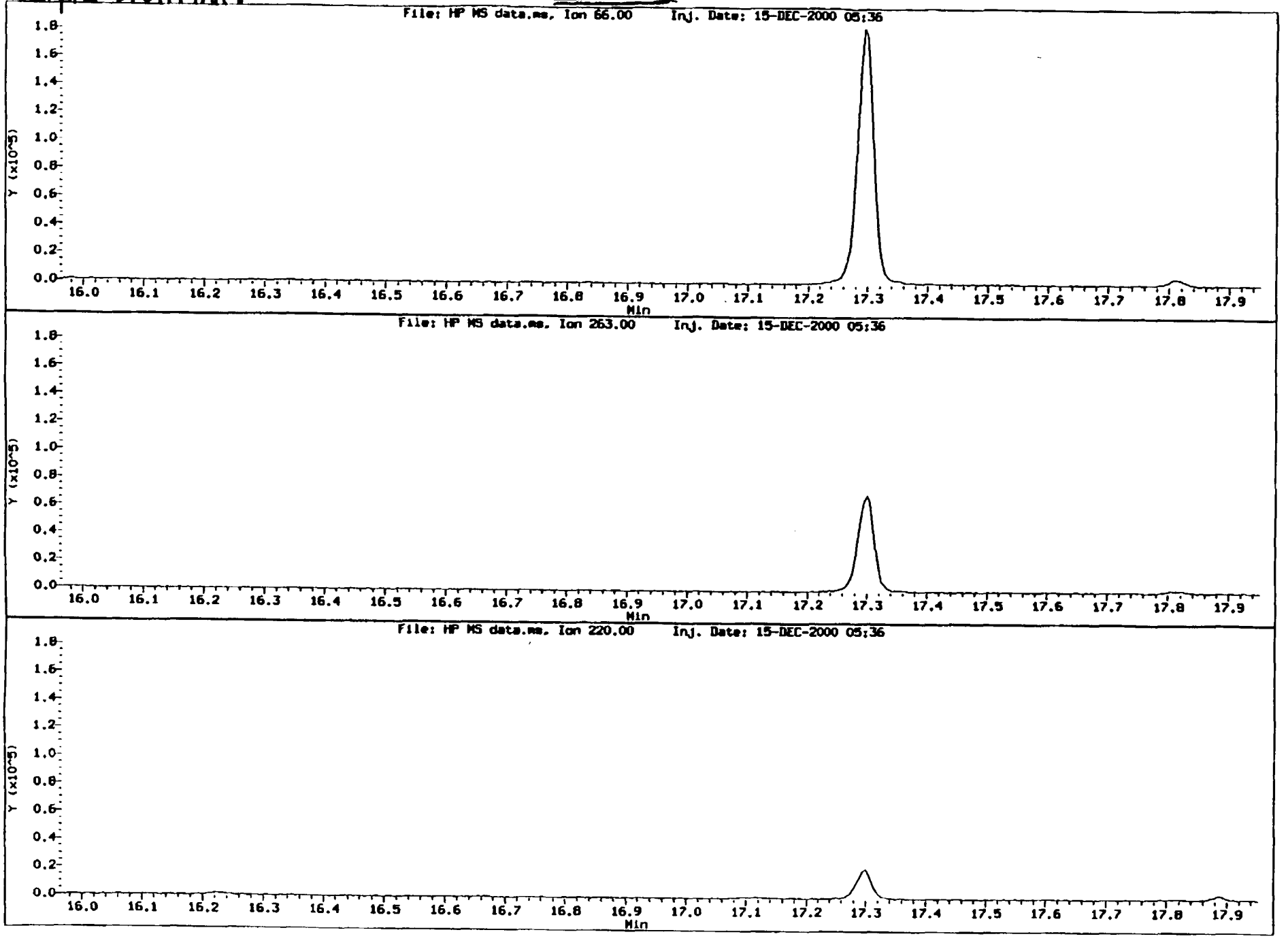
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\qoanoh04\dd\ohem\GCS\a2hp3.i\001128A-2.b\008F0701.D
Date : 28-NOV-2000 18:26
Client ID: SL-01
Sample Info: DPDH91AA
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

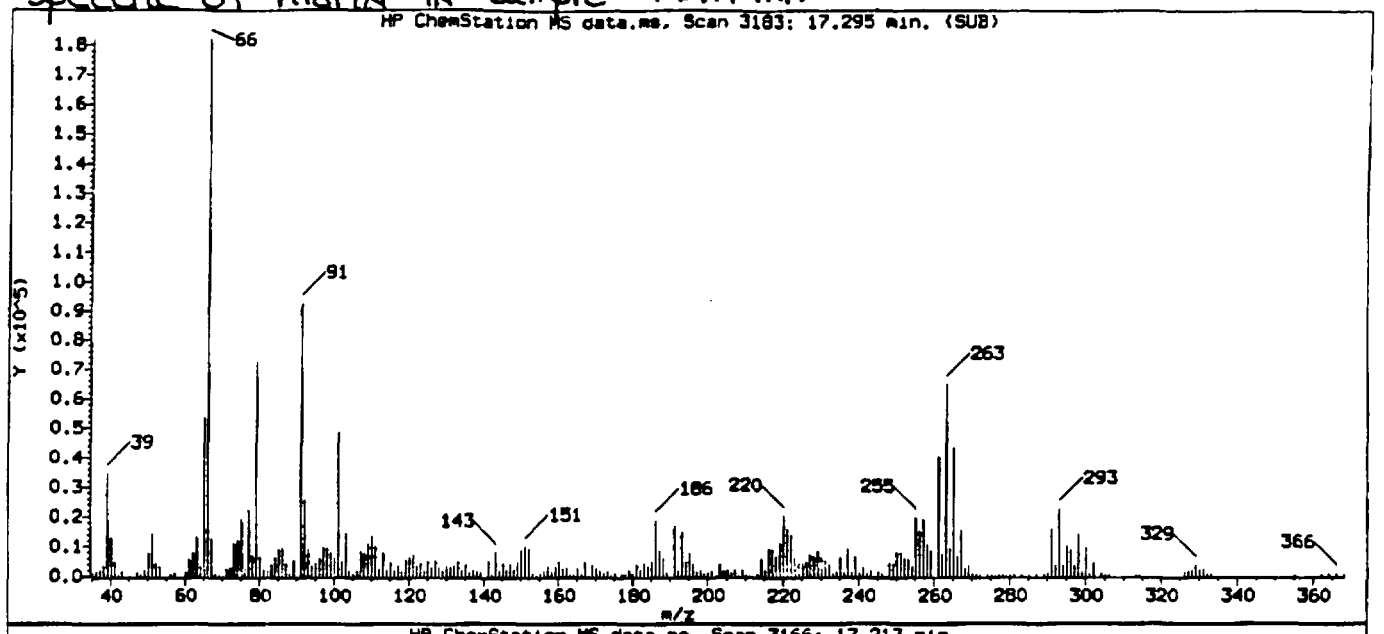
Instrument: a2hp3.i
Operator: 001764
Column diameter: 0.53

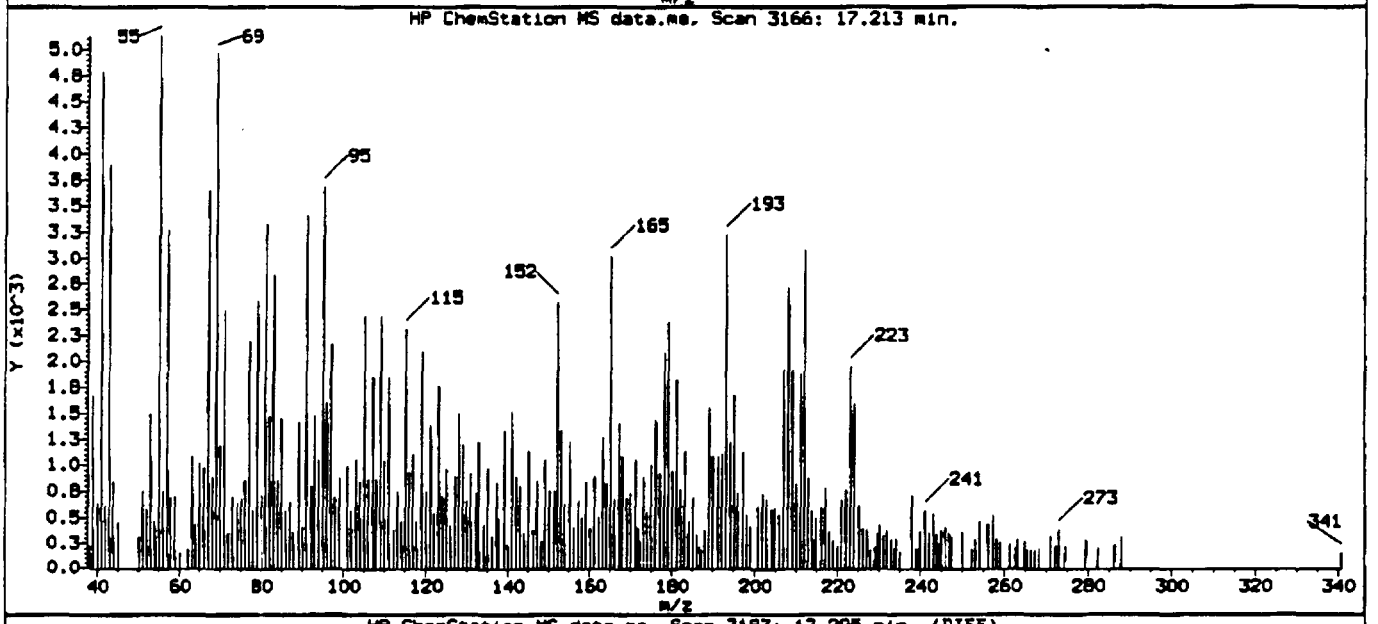


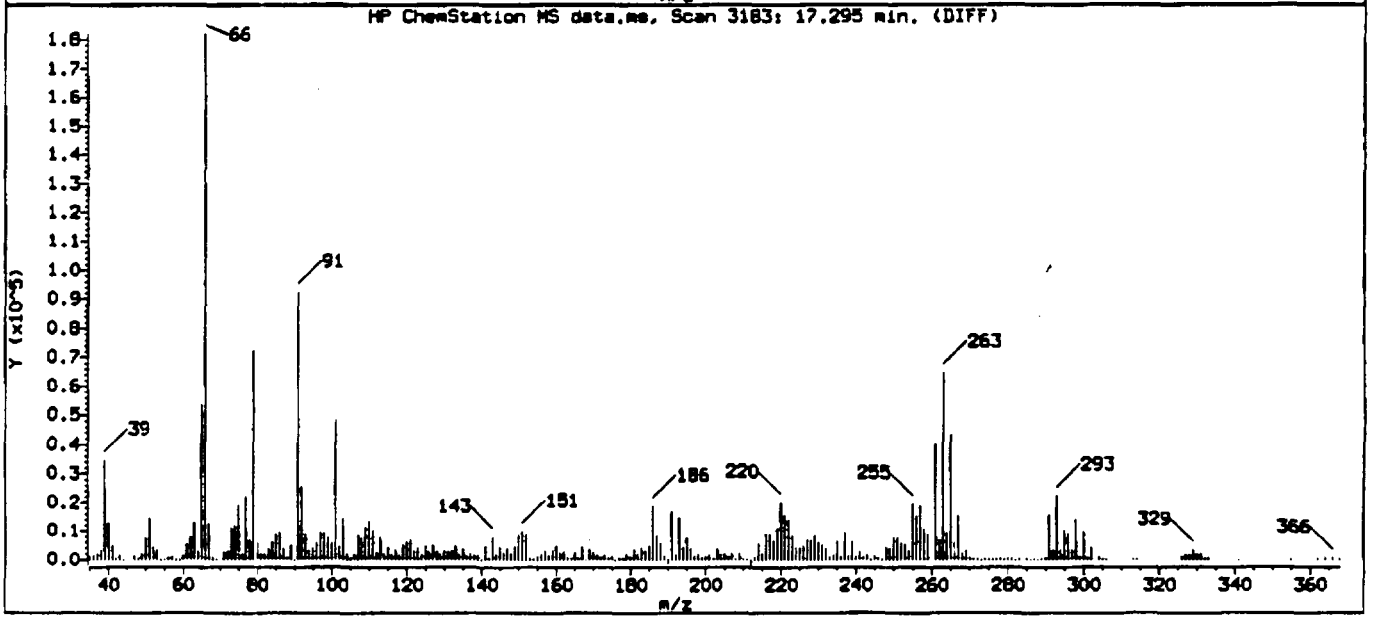
Sample DPDH91AA: Presense of Aldrin Confirmed.



Spectra of Aldrin in sample DPDH9 1AA







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-81DL

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPDH91AA

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 002F0201

% Moisture: 24 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	33	U
319-85-7	beta-BHC	33	U
319-86-8	delta-BHC	33	U
58-89-9	gamma-BHC(Lindane)	33	U
76-44-8	Heptachlor	33	U
309-00-2	Aldrin	320	DB
1024-57-3	Heptachlor epoxide	33	U
959-98-8	Endosulfan I	33	U
60-57-1	Dieldrin	66	U
72-55-9	4,4'-DDE	66	U
72-20-8	Endrin	66	U
33213-65-9	Endosulfan II	66	U
72-54-8	4,4'-DDD	66	U
1031-07-8	Endosulfan sulfate	66	U
50-29-3	4,4'-DDT	66	U
72-43-5	Methoxychlor	330	U
53494-70-5	Endrin ketone	16	U
7421-93-4	Endrin aldehyde	66	U
5103-71-9	alpha-Chlordane	33	U
5103-74-2	gamma-Chlordane	33	U
8001-35-2	Toxaphene	3300	U
12674-11-2	Aroclor-1016	660	U
11104-28-2	Aroclor-1221	1300	U
11141-16-5	Aroclor-1232	660	U
53469-21-9	Aroclor-1242	660	U
12672-29-6	Aroclor-1248	660	U
11097-69-1	Aroclor-1254	660	U
11096-82-5	Aroclor-1260	660	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\002F0201.D
Lab Smp Id: DPDH91AA Client Smp ID: SL-81DL
Inj Date : 29-NOV-2000 15:47
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AA,20
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001129A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:26 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 2
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL

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

Name	Value	Description
DF	20.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.160	Weight of sample extracted (g)
M	23.900	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.040	4.042	(-0.002)	142782	<0.0	5.7		
10 Aldrin					CAS #: 309-00-2		
7.676	7.679	(-0.003)	9403767	0.04788	320		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.693	15.700	(-0.007)	140216	0.00121	8.0		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\002F0201.D

Date : 29-NOV-2000 15:47

Client ID: SL-81DL

Sample Info: DPDH91AA,20

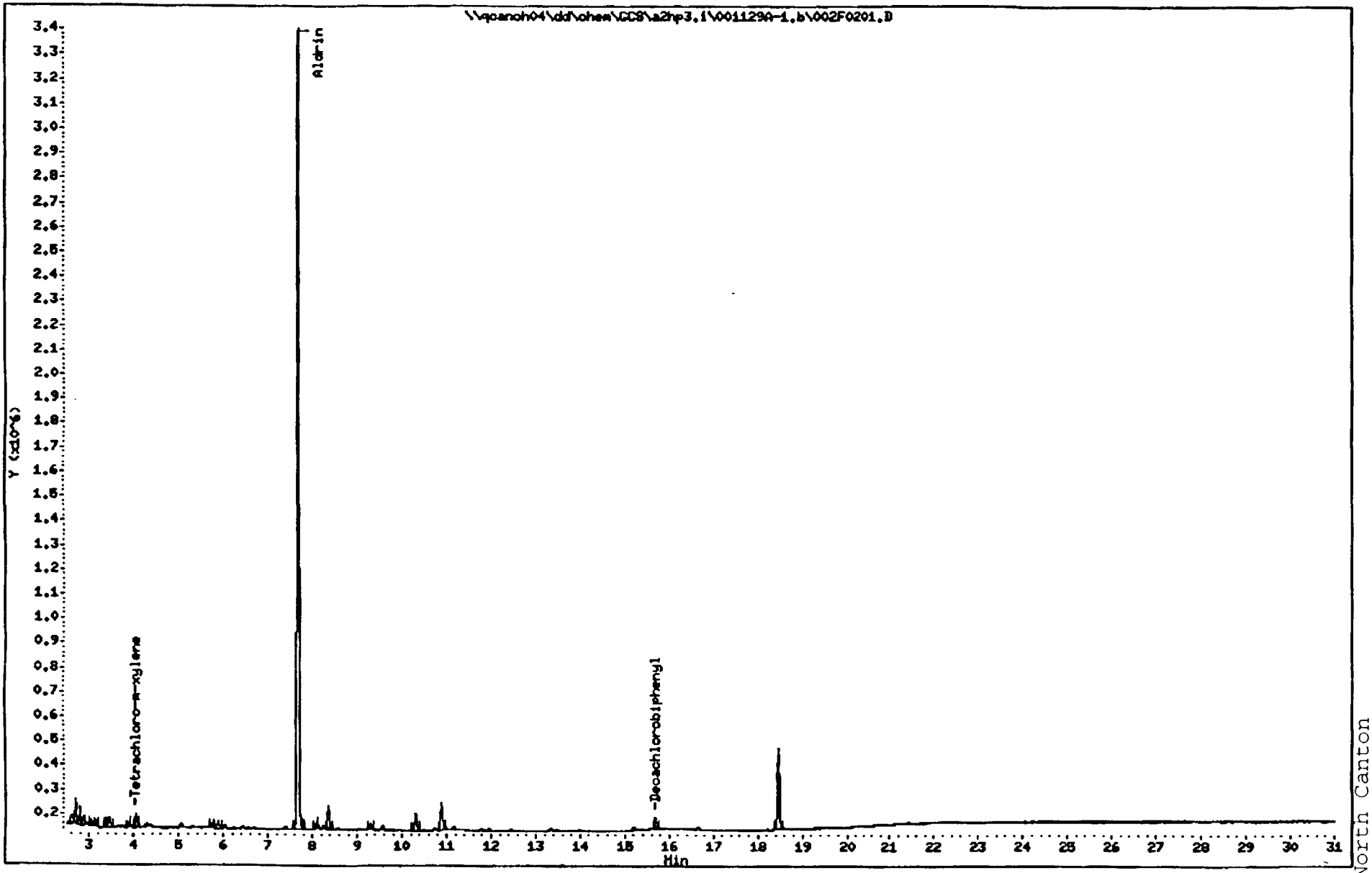
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\002F0201.D
Lab Smp Id: DPDH91AA Client Smp ID: SL-81DL
Inj Date : 29-NOV-2000 15:47
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AA,20
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\CLP30b.m
Meth Date : 08-Dec-2000 09:51 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 2
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	20.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.160	Weigth of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.166	5.170	(-0.004)	113968	<0.0	7.0		
12 Aldrin					CAS #: 309-00-2		
9.236	9.240	(-0.004)	7459206	0.04504	390		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.917	17.920	(-0.003)	107908	0.00121	10		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\002F0201.D

Date : 29-NOV-2000 15:47

Client ID: SL-81DL

Sample Info: DPIH91AA,20

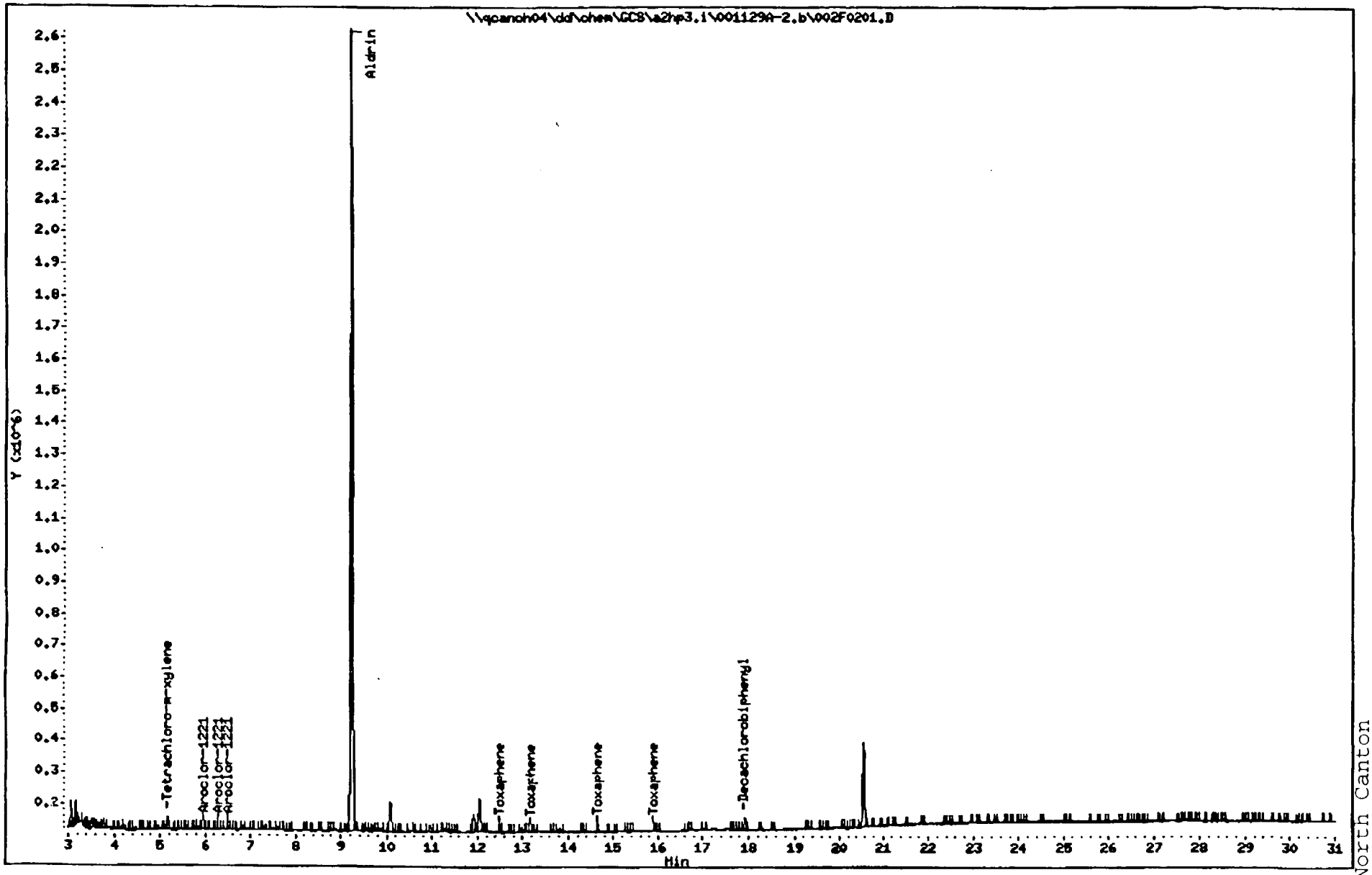
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-82-9.0

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJFJ1AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 012F1101

% Moisture: 21 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	1.9	J
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	1.0	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\012F1101.D
Lab Smp Id: DPJFJ1AA Client Smp ID: SL-82-9.0
Inj Date : 28-NOV-2000 20:55
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.047	4.042	(0.005)	3837609	0.02316	9.7		
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	932422	0.00475	2.0		(a)
12 beta-BHC					CAS #: 319-85-7		
6.312	6.319	(-0.007)	38346	<0.0	0.17		(a)
18 4,4'-DDE					CAS #: 72-55-9		
9.946	9.949	(-0.003)	76091	<0.0	0.20		(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	3924183	0.03380	14		

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\012F1101.D

Page 3

Date : 28-NOV-2000 20:58

Client ID: SL-82-9.0

Instrument: a2hp3.i

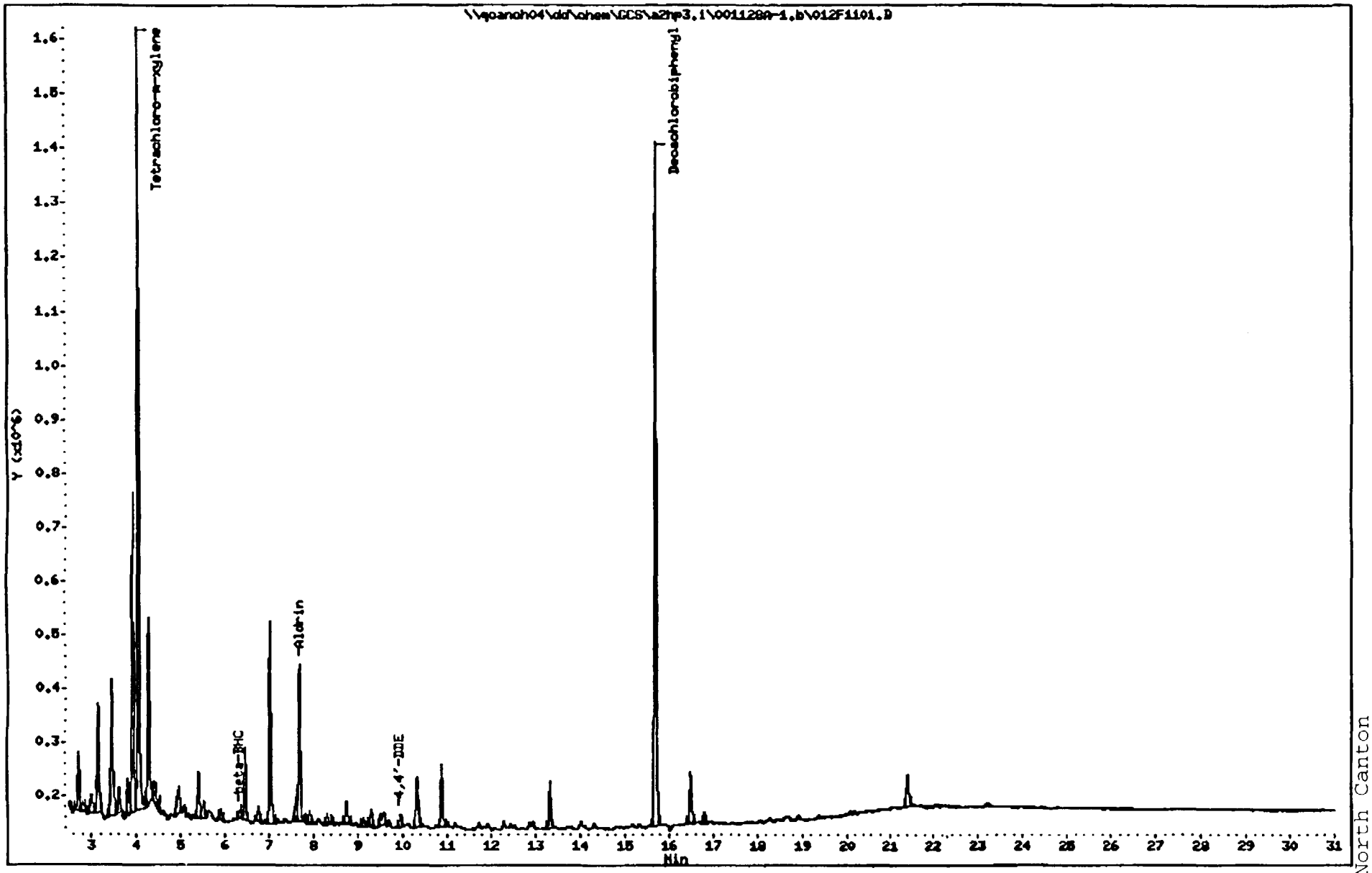
Sample Info: DPJFJ1AA

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\012F1101.D
Lab Smp Id: DPJFJ1AA Client Smp ID: SL-82-9.0
Inj Date : 28-NOV-2000 20:55
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AA
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.040	Weigth of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.173	5.170	(0.003)	3171505	0.02245	9.4			
12 Aldrin					CAS #: 309-00-2			
9.240	9.240	(0.000)	748518	0.00452	1.9			(a)
13 Heptachlor epoxide					CAS #: 1024-57-3			
10.555	10.553	(0.002)	568523	0.00375	1.6			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.920	17.920	(0.000)	2977408	0.03344	14			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\012F1101.D

Date : 28-NOV-2000 20:55

Client ID: SL-82-9.0

Sample Info: DPJFJ1AA

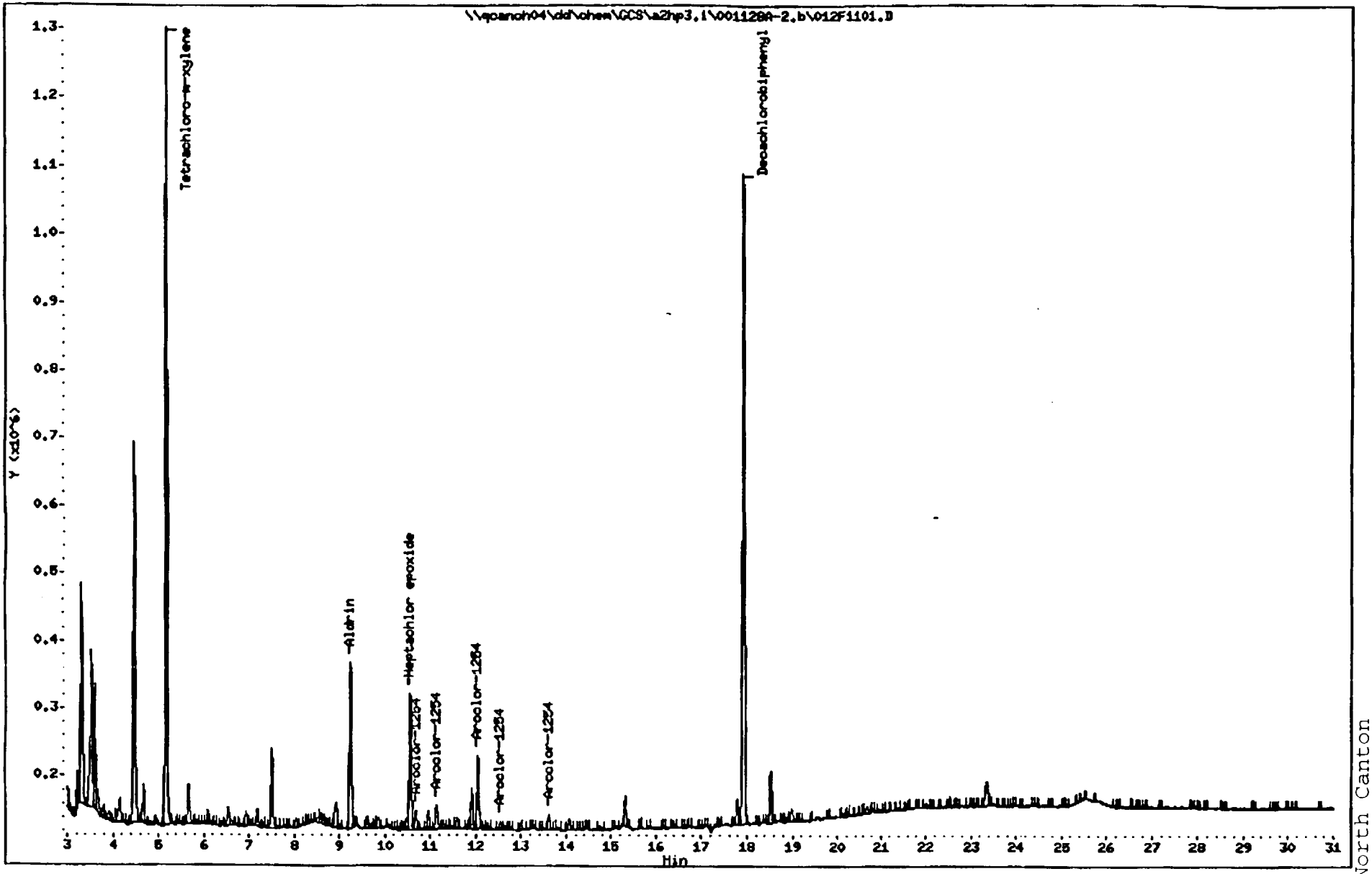
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-83-9.0'

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJF31AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 015F1401

% Moisture: 16 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	4.4	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	JP
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	15	P
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	3.8	JP
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	1.00	U
7421-93-4	Endrin aldehyde	1.5	JP
5103-71-9	alpha-Chlordane	1.4	JP
5103-74-2	gamma-Chlordane	3.0	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\015F1401.D
Lab Smp Id: DPJF31AA Client Smp ID: SL-83-9.0'
Inj Date : 28-NOV-2000 22:46
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF31AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	16.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	4087416	0.02667	9.8		
5 alpha-BHC					CAS #: 319-84-6		
5.316	5.321	(-0.005)	122260	<0.0	0.18		(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.053	6.042	(0.011)	132609	<0.0	0.22		(a)
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	2326188	0.01184	4.7		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
12 beta-BHC					CAS #: 319-85-7		
6.300	6.319	(-0.019)	796036	0.00848	3.4		
16 gamma-Chlordane					CAS #: 5103-74-2		
9.244	9.299	(-0.055)	3101262	0.01748	7.0		
17 alpha-Chlordane					CAS #: 5103-71-9		
9.577	9.582	(-0.005)	2080566	0.01214	4.8		
18 4,4'-DDE					CAS #: 72-55-9		
9.974	9.949	(0.025)	880174	0.00537	2.1		(a)
19 Dieldrin					CAS #: 60-57-1		
10.303	10.310	(-0.007)	4003957	0.02232	8.9		
21 Endrin					CAS #: 72-20-8		
10.779	10.743	(0.036)	3306542	0.02462	9.8		
23 Endosulfan II					CAS #: 33213-65-9		
11.254	11.213	(0.041)	5202549	0.03678	15		
24 4,4'-DDD					CAS #: 72-54-8		
11.154	11.166	(-0.012)	8366330	0.06622	26		
25 4,4'-DDT					CAS #: 50-29-3		
11.718	11.720	(-0.002)	1216527	0.00941	3.8		(a)
26 Endrin aldehyde					CAS #: 7421-93-4		
12.038	12.100	(-0.062)	396496	0.00382	1.5		(a)
29 Endrin ketone					CAS #: 53494-70-5		
13.405	13.453	(-0.048)	361086	0.00257	1.0		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.696	15.700	(-0.004)	4371768	0.03766	15		

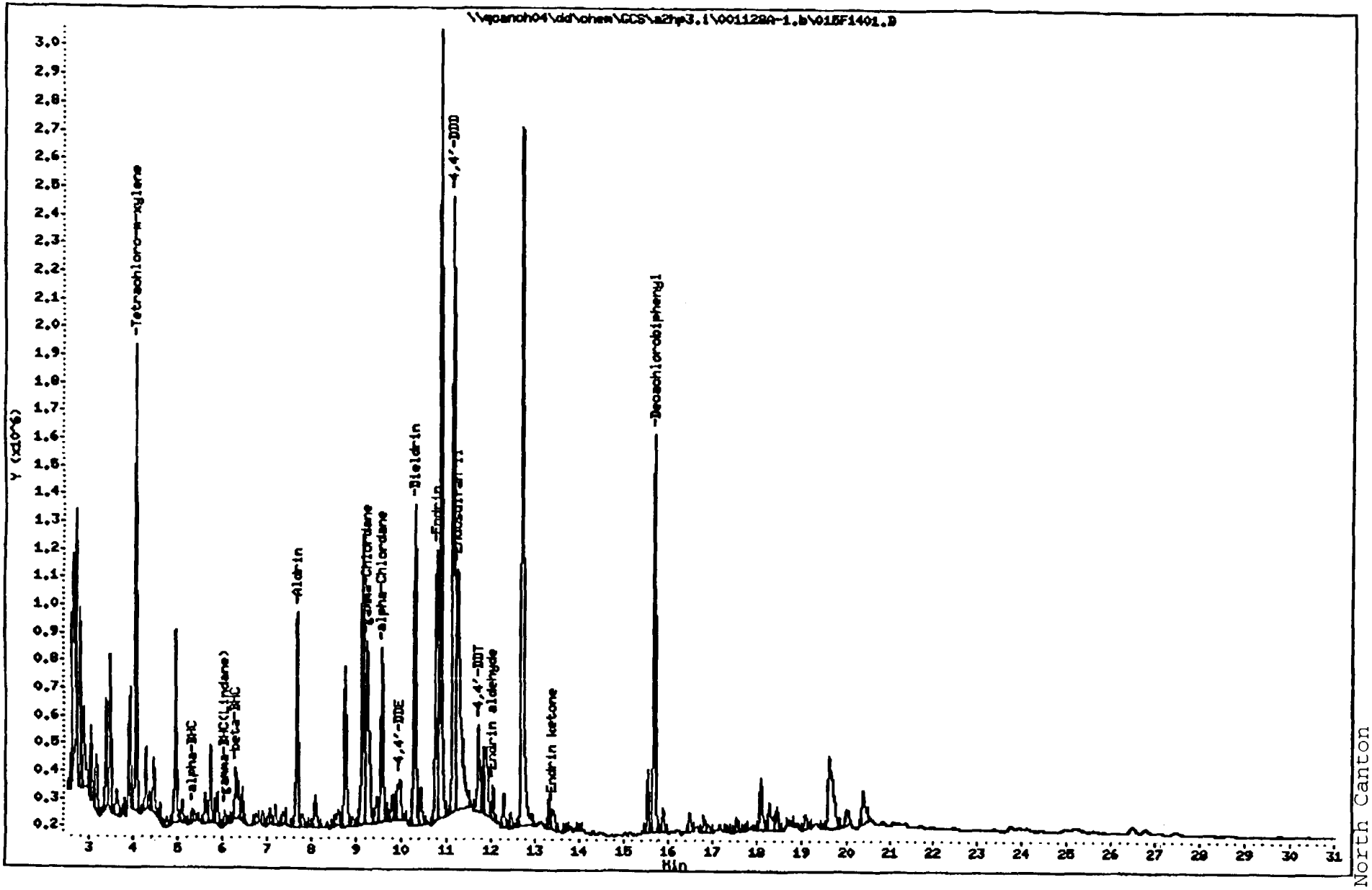
QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\015F1401.D
Date : 28-NOV-2000 22:46
Client ID: SL-03-9.0'
Sample Info: DPJF31AA
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\015F1401.D
Lab Smp Id: DPJF31AA Client Smp ID: SL-83-9.0'
Inj Date : 28-NOV-2000 22:46
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJF31AA
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.030	Weigth of sample extracted (g)
M	16.400	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	3585457	0.02538	10		
12 Aldrin					CAS #: 309-00-2		
9.241	9.240	(0.001)	1840857	0.01111	4.4		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.504	10.553	(-0.049)	1387443	0.00914	3.6		
14 gamma-Chlordane					CAS #: 5103-74-2		
10.954	10.960	(-0.006)	1152319	0.00748	3.0		

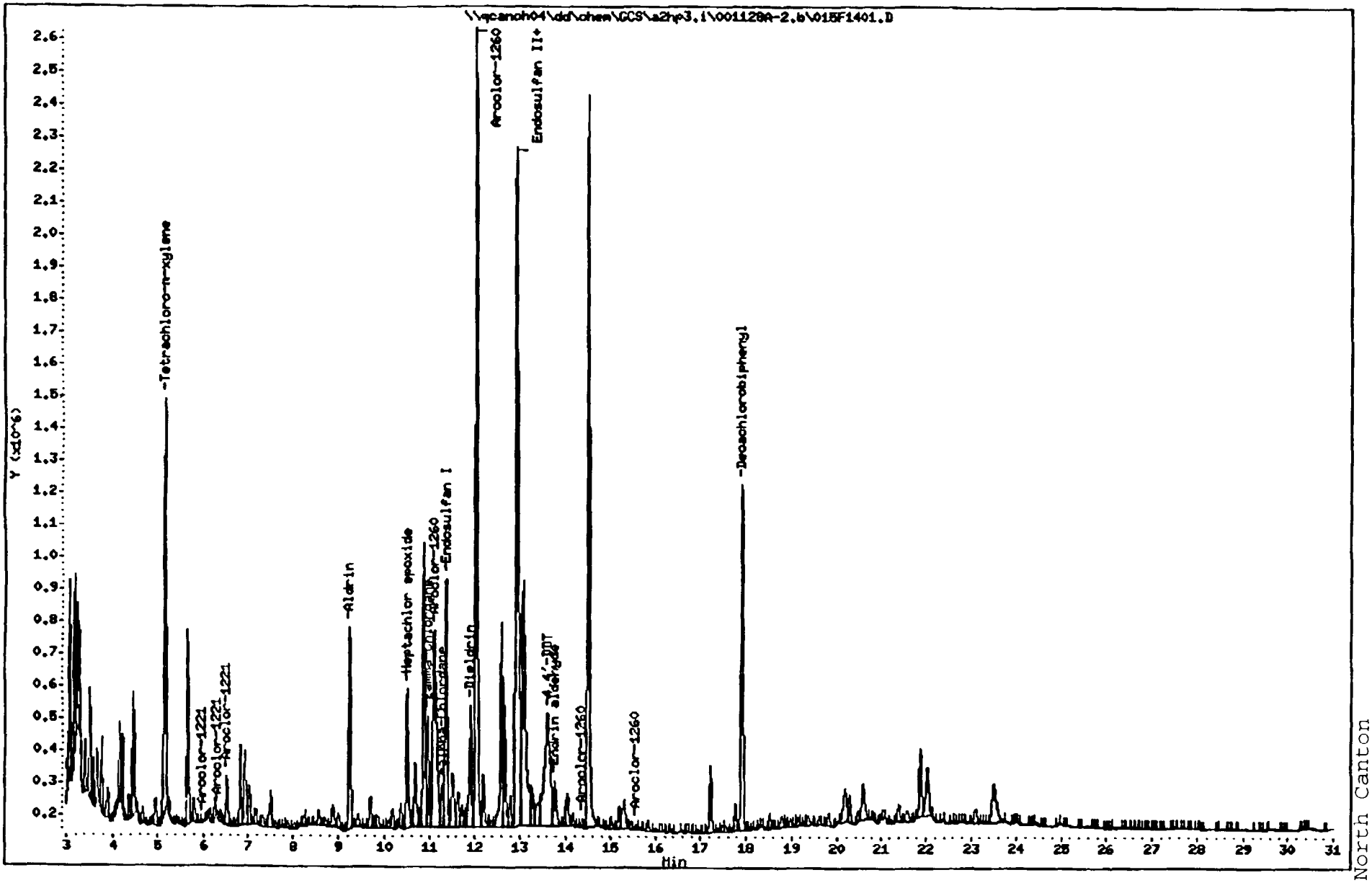
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
15 Endosulfan I					CAS #: 959-98-8			
11.366	11.340	(0.026)	2572852	0.01806	7.2			
17 alpha-Chlordane					CAS #: 5103-71-9			
11.279	11.280	(-0.001)	507577	0.00344	1.4			(a)
18 Dieldrin					CAS #: 60-57-1			
11.919	11.920	(-0.001)	1430136	0.00942	3.8			(a)
21 Endosulfan II					CAS #: 33213-65-9			
12.923	12.990	(-0.067)	8778797	0.07228	29			
22 Aroclor-1260					CAS #: 11096-82-5			
11.101	11.080	(0.021)	3546405	1.87263	740	80.00- 120.00	100.00	
12.043	12.090	(-0.047)	7721291	2.70944	1100	130.48- 170.48	217.72	
12.923	12.870	(0.053)	8778797	1.34223	530	325.36- 365.36	247.54	
14.373	14.350	(0.023)	94058	0.01731	6.9	266.86- 306.86	2.65	
15.564	15.600	(-0.036)	46261	0.00591	2.4	393.51- 433.51	1.30	
Average of Peak Concentrations =					480			
24 Endrin aldehyde					CAS #: 7421-93-4			
13.763	13.710	(0.053)	602332	0.00681	2.7			(a)
26 4,4'-DDT					CAS #: 50-29-3			
13.601	13.610	(-0.009)	3081573	0.02738	11			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.920	17.920	(0.000)	3358752	0.03772	15			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\015F1401.D
Date : 28-NOV-2000 22:46
Client ID: SL-83-9.0'
Sample Info: DPJF31AA
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



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STANDARD DATA

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A2HP3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 11/27/00 11/28/

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.32	5.32	5.32	5.32	5.27	5.37
beta-BHC	6.32	6.32	6.32	6.32	6.27	6.37
delta-BHC	6.66	6.66	6.66	6.66	6.61	6.71
gamma-BHC(Lindane)	6.04	6.04	6.04	6.04	5.99	6.09
Heptachlor	7.07	7.07	7.07	7.07	7.02	7.12
Aldrin	7.68	7.68	7.68	7.68	7.63	7.73
Heptachlor epoxide	9.03	9.03	9.03	9.03	8.96	9.10
Endosulfan I	9.80	9.80	9.80	9.80	9.73	9.87
Dieldrin	10.31	10.31	10.31	10.31	10.24	10.38
4,4'-DDE	9.95	9.95	9.95	9.95	9.88	10.02
Endrin	10.74	10.74	10.75	10.74	10.67	10.81
Endosulfan II	11.22	11.21	11.21	11.21	11.14	11.28
4,4'-DDD	11.17	11.17	11.16	11.17	11.10	11.24
Endosulfan sulfate	12.96	12.97	12.97	12.97	12.90	13.04
4,4'-DDT	11.72	11.72	11.72	11.72	11.65	11.79
Methoxychlor	12.86	12.86	12.86	12.86	12.79	12.93
Endrin ketone	13.46	13.45	13.45	13.45	13.38	13.52
Endrin aldehyde	12.10	12.10	12.10	12.10	12.03	12.17
alpha-Chlordane	9.58	9.58	9.58	9.58	9.51	9.65
gamma-Chlordane	9.30	9.30	9.30	9.30	9.23	9.37
Tetrachloro-m-xylene	4.04	4.04	4.04	4.04	3.99	4.09
Decachlorobiphenyl	15.70	15.70	15.70	15.70	15.60	15.80

* Surrogate retention times are measured from Standard Mix A analysis.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor Epoxide, +/- 0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

FORM VI PEST-1 OLM03.0

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A2HP3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 11/27/00 11/2

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	6.76	6.76	6.76	6.76	6.71	6.81
beta-BHC	7.90	7.90	7.90	7.90	7.85	7.95
delta-BHC	8.54	8.55	8.55	8.55	8.50	8.60
gamma-BHC(Lindane)	7.62	7.62	7.62	7.62	7.57	7.67
Heptachlor	8.57	8.57	8.57	8.57	8.52	8.62
Aldrin	9.24	9.24	9.24	9.24	9.19	9.29
Heptachlor epoxide	10.55	10.55	10.56	10.55	10.48	10.62
Endosulfan I	11.34	11.34	11.34	11.34	11.27	11.41
Dieldrin	11.92	11.92	11.92	11.92	11.85	11.99
4,4'-DDE	11.80	11.80	11.80	11.80	11.73	11.87
Endrin	12.52	12.52	12.52	12.52	12.45	12.59
Endosulfan II	12.99	12.99	12.99	12.99	12.92	13.06
4,4'-DDD	12.99	12.99	12.99	12.99	12.92	13.06
Endosulfan sulfate	14.28	14.28	14.28	14.28	14.21	14.35
4,4'-DDT	13.61	13.61	13.61	13.61	13.54	13.68
Methoxychlor	15.11	15.11	15.11	15.11	15.04	15.18
Endrin ketone	15.29	15.29	15.29	15.29	15.22	15.36
Endrin aldehyde	13.71	13.71	13.71	13.71	13.64	13.78
alpha-Chlordane	11.28	11.28	11.28	11.28	11.21	11.35
gamma-Chlordane	10.96	10.96	10.96	10.96	10.89	11.03
Tetrachloro-m-xylene	5.17	5.17	5.17	5.17	5.12	5.22
Decachlorobiphenyl	17.92	17.92	17.92	17.92	17.82	18.02

* Surrogate retention times are measured from Standard Mix A analysis.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor Epoxide, +/- 0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

FORM VI PEST-1 OLM03.0

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A2HP3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 11/27/00 11/28/

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	239886800	263992300	261971275	255283458.3	5.2
beta-BHC	96368000	93916250	86073900	92119383.3	5.8
delta-BHC	205731800	223680750	220995325	216802625.0	4.5
gamma-BHC(Lindane)	218270400	234148850	233796062	228738437.3	4.0
Heptachlor	204118200	210089850	203538600	205915550.0	1.8
Aldrin	190402600	196413200	190271438	192362412.7	1.8
Heptachlor epoxide	177180600	175835300	166076788	173030896.0	3.5
Endosulfan I	167049800	168948750	162341088	166113212.7	2.0
Dieldrin	168991300	179417875	170774912	173061362.3	3.2
4,4'-DDE	152347300	163940625	160431656	158906527.0	3.7
Endrin	128218700	134284925	128246581	130250068.7	2.7
Endosulfan II	141569100	141439075	134493856	139167343.7	2.9
4,4'-DDD	112349900	126343650	125676694	121456748.0	6.5
Endosulfan sulfate	125536600	126012625	119945206	123831477.0	2.7
4,4'-DDT	118001100	129312025	127769600	125027575.0	4.9
Methoxychlor	56741680	56311670	50337260	54463536.7	6.6
Endrin ketone	138960800	140454575	130587700	136667691.7	3.9
Endrin aldehyde	104203900	103797975	98857225	102286366.7	2.9
alpha-Chlordane	173695800	171398950	164220962	169771904.0	2.9
gamma-Chlordane	176526200	177420450	173419825	175788825.0	1.2
Tetrachloro-m-xylene	166894400	165668100	153659688	162074062.7	4.5
Decachlorobiphenyl	123555500	116100550	107458194	115704748.0	7.0

* Surrogate calibration factors are measured from Standard Mix A analysis.

FORM VI PEST-2 OLM03.0

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A2HP3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 11/27/00 11/2

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	207172800	221999150	222713588	217295179.3	4.0
beta-BHC	84562600	80207650	73930525	79566925.0	6.7
delta-BHC	176741400	190643500	189920950	185768616.7	4.2
gamma-BHC(Lindane)	191419400	200807100	200698500	197641666.7	2.7
Heptachlor	172745200	178843400	177505338	176364646.0	1.8
Aldrin	160155000	165619700	161401350	162392016.7	1.8
Heptachlor epoxide	151065800	151791350	143892012	148916387.3	2.9
Endosulfan I	142775800	142496650	139714075	141662175.0	1.2
Dieldrin	144996800	151823675	148136781	148319085.3	2.3
4,4'-DDE	131144800	139343050	136537962	135675270.7	3.1
Endrin	114778600	119635700	117418188	117277496.0	2.1
Endosulfan II	121073500	121455675	117192794	119907323.0	2.0
4,4'-DDD	102689400	111167625	111425131	108427385.3	4.6
Endosulfan sulfate	110195400	110332425	105421631	108649818.7	2.6
4,4'-DDT	105531300	112542825	114243494	110772539.7	4.2
Methoxychlor	49290860	49580660	46689722	48520414.0	3.3
Endrin ketone	124070200	124238625	117873600	122060808.3	3.0
Endrin aldehyde	88014700	88442300	85850975	87435991.7	1.6
alpha-Chlordane	148296200	147645200	141854162	145931854.0	2.4
gamma-Chlordane	152316800	154125200	150575925	152339308.3	1.2
Tetrachloro-m-xylene	143371600	141289550	131600400	138753850.0	4.5
Decachlorobiphenyl	94840600	89050450	81996550	88629200.0	7.2

* Surrogate calibration factors are measured from Standard Mix A analysis.

FORM VI PEST-2 OLM03.0

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A2HP3 Date(s) Analyzed: 11/27/00 11/28/00

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	*1	10.34	10.27	10.41	1184270
		*2	11.00	10.93	11.07	1741618
		*3	12.30	12.23	12.37	4771468
		4	13.41	13.34	13.48	2510568
		5				
Aroclor-1016	0.10	*1	4.95	4.88	5.02	3401410
		*2	5.76	5.69	5.83	6094960
		*3	6.77	6.70	6.84	11304270
		4	7.05	6.98	7.12	4872910
		5	7.94	7.87	8.01	5187630
Aroclor-1221	0.20	*1	4.54	4.47	4.61	1774950
		*2	4.87	4.80	4.94	1288410
		*3	4.95	4.88	5.02	4304130
		4				
		5				
Aroclor-1232	0.10	*1	4.95	4.88	5.02	4210450
		*2	5.76	5.69	5.83	2560820
		*3	7.05	6.98	7.12	2058480
		4	7.94	7.87	8.01	2124850
		5				
Aroclor-1242	0.10	*1	4.96	4.89	5.03	2766510
		*2	5.76	5.69	5.83	4936140
		*3	6.77	6.70	6.84	9006090
		4	7.05	6.98	7.12	3993920
		5	10.10	10.03	10.17	1325860
Aroclor-1248	0.10	*1	5.76	5.69	5.83	2622320
		*2	6.77	6.70	6.84	6057310
		*3	7.94	7.87	8.01	6365960
		4	8.64	8.57	8.71	2338250
		5	10.10	10.03	10.17	2739170
Aroclor-1254	0.10	*1	7.49	7.42	7.56	3577970
		*2	8.74	8.67	8.81	4642360
		*3	9.30	9.23	9.37	8077740
		4	10.10	10.03	10.17	9086150
		5	11.61	11.54	11.68	9349240
Aroclor-1260	0.10	*1	10.48	10.41	10.55	6390470
		*2	11.06	10.99	11.13	11411260
		*3	11.61	11.54	11.68	9928750
		4	12.33	12.26	12.40	6099740
		5	13.51	13.44	13.58	6809640

* Denotes required peaks

FORM VI PEST-3 OLM03.0

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A2HP3 Date(s) Analyzed: 11/27/00 11/28/00

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	*1	12.45	12.38	12.52	2955540
		*2	13.17	13.10	13.24	3888170
		*3	14.71	14.64	14.78	5494782
		4	15.92	15.85	15.99	2343906
		5				
Aroclor-1016	0.10	*1	6.47	6.40	6.54	2932610
		*2	7.43	7.36	7.50	5303320
		*3	8.44	8.37	8.51	10145600
		4	8.74	8.67	8.81	4308020
		5	9.77	9.70	9.84	3399770
Aroclor-1221	0.20	*1	5.99	5.92	6.06	1569710
		*2	6.33	6.26	6.40	1064245
		*3	6.47	6.40	6.54	3726035
		4				
		5				
Aroclor-1232	0.10	*1	6.47	6.40	6.54	3591600
		*2	7.43	7.36	7.50	2357350
		*3	8.44	8.37	8.51	4300090
		4	10.02	9.95	10.09	1516630
		5				
Aroclor-1242	0.10	*1	6.47	6.40	6.54	2319220
		*2	7.43	7.36	7.50	4203440
		*3	8.45	8.38	8.52	8088560
		4	9.77	9.70	9.84	2785820
		5	10.67	10.60	10.74	2980630
Aroclor-1248	0.10	*1	7.42	7.35	7.49	2270730
		*2	8.44	8.37	8.51	5389190
		*3	9.77	9.70	9.84	4331000
		4	10.67	10.60	10.74	5131710
		5	12.01	11.94	12.08	2766940
Aroclor-1254	0.10	*1	10.66	10.59	10.73	4785630
		*2	11.08	11.01	11.15	5623530
		*3	12.01	11.94	12.08	7284780
		4	12.49	12.42	12.56	4866850
		5	13.58	13.51	13.65	8646870
Aroclor-1260	0.10	*1	11.08	11.01	11.15	1893810
		*2	12.09	12.02	12.16	2849770
		*3	12.87	12.80	12.94	6540440
		4	14.35	14.28	14.42	5432580
		5	15.60	15.53	15.67	7831130

* Denotes required peaks

FORM VI PEST-3 OLM03.0

6G

PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): RESC1 Lab Sample ID (1): C662

Date Analyzed (1): 10/27/00 Time Analyzed (1): 15:42

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	gamma-Chlordane	9.29	100.0
03	Endosulfan I	9.80	100.0
04	4,4'-DDE	9.95	100.0
05	Dieldrin	10.31	100.0
06	Methoxychlor	12.86	83.0
07	Endosulfan sulfate	12.96	100.0
08	Endrin ketone	13.45	100.0
09	Decachlorobiphenyl	15.69	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): RESC1 Lab Sample ID (2): C662

Date Analyzed (2): 10/27/00 Time Analyzed (2): 15:42

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	gamma-Chlordane	10.96	100.0
03	Endosulfan I	13.34	100.0
04	4,4'-DDE	11.79	98.0
05	Dieldrin	11.91	100.0
06	Endosulfan sulfate	14.27	100.0
07	Methoxychlor 15.11	~~12.86~~	99.0
08	Endrin ketone	15.28	100.0
09	Decachlorobiphenyl	17.92	

FORM VI PEST-4 OLM03.0

6H
PERFORMACE EVALUATION MIXTURE (PEM)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): PEM1 Lab Sample ID (1): C659

Date Analyzed (1): 11/27/00 Time Analyzed (1): 1619

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	alpha-BHC	5.32	100.0
03	gamma-BHC(Lindane)	6.04	100.0
04	beta-BHC	6.32	100.0
05	Endrin	10.74	100.0
06	4,4'-DDT	11.72	100.0
07	Methoxychlor	12.86	100.0
08	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): PEM1 Lab Sample ID (2): C659

Date Analyzed (2): 11/27/00 Time Analyzed (2): 1619

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	alpha-BHC	6.76	100.0
03	gamma-BHC(Lindane)	7.62	100.0
04	beta-BHC	7.90	100.0
05	Endrin	12.52	100.0
06	4,4'-DDT	13.61	100.0
07	Methoxychlor	15.11	100.0
08	Decachlorobiphenyl	17.92	

6H

PERFORMACE EVALUATION MIXTURE (PEM)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): PEM2 Lab Sample ID (1): C659

Date Analyzed (1): 11/28/00 Time Analyzed (1): 0137

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	alpha-BHC	5.32	100.0
03	gamma-BHC(Lindane)	6.04	100.0
04	beta-BHC	6.32	100.0
05	Endrin	10.75	100.0
06	4,4'-DDT	11.72	100.0
07	Methoxychlor	12.86	100.0
08	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): PEM2 Lab Sample ID (2): C659

Date Analyzed (2): 11/28/00 Time Analyzed (2): 0137

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	alpha-BHC	6.76	100.0
03	gamma-BHC(Lindane)	7.62	100.0
04	beta-BHC	7.90	100.0
05	Endrin	12.52	100.0
06	4,4'-DDT	13.61	100.0
07	Methoxychlor	15.11	100.0
08	Decachlorobiphenyl	17.92	

FORM VI PEST-5 OLM03.0

6H

PERFORMACE EVALUATION MIXTURE (PEM)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): PEM3 Lab Sample ID (1): C659

Date Analyzed (1): 11/28/00 Time Analyzed (1): 1520

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	alpha-BHC	5.32	100.0
03	gamma-BHC(Lindane)	6.05	100.0
04	beta-BHC	6.32	100.0
05	Endrin	10.75	100.0
06	4,4'-DDT	11.72	100.0
07	Methoxychlor	12.86	100.0
08	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): PEM3 Lab Sample ID (2): C659

Date Analyzed (2): 11/28/00 Time Analyzed (2): 1520

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	alpha-BHC	6.77	100.0
03	gamma-BHC(Lindane)	7.62	100.0
04	beta-BHC	7.90	100.0
05	Endrin	12.52	100.0
06	4,4'-DDT	13.61	100.0
07	Methoxychlor 15.11	~~0.00~~	100.0
08	Decachlorobiphenyl	17.92	

FORM VI PEST-5 OLM03.0

6H
PERFORMACE EVALUATION MIXTURE (PEM)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): PEM4 Lab Sample ID (1): C659

Date Analyzed (1): 11/29/00 Time Analyzed (1): 0805

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.05	100.0
02	alpha-BHC	5.33	100.0
03	gamma-BHC(Lindane)	6.05	100.0
04	beta-BHC	6.32	100.0
05	Endrin	10.75	100.0
06	4,4'-DDT	11.72	100.0
07	Methoxychlor	12.86	100.0
08	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): PEM4 Lab Sample ID (2): C659

Date Analyzed (2): 11/29/00 Time Analyzed (2): 0805

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	alpha-BHC	6.76	100.0
03	gamma-BHC(Lindane)	7.62	100.0
04	beta-BHC	7.90	100.0
05	Endrin	12.52	100.0
06	4,4'-DDT	13.61	100.0
07	Methoxychlor	15.11	100.0
08	Decachlorobiphenyl	17.92	

FORM VI PEST-5 OLM03.0

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): INDAM1 Lab Sample ID (1): C656

Date Analyzed (1): 11/27/00 Time Analyzed (1): 2231

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	alpha-BHC	5.32	100.0
03	gamma-BHC(Lindane)	6.04	100.0
04	Heptachlor	7.07	100.0
05	Endosulfan I	9.80	100.0
06	Dieldrin	10.31	100.0
07	Endrin	10.74	100.0
08	4,4'-DDD	11.17	100.0
09	4,4'-DDT	11.72	100.0
10	Methoxychlor	12.86	100.0
11	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): INDAM1 Lab Sample ID (2): C656

Date Analyzed (2): 11/27/00 Time Analyzed (2): 2231

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	alpha-BHC	6.76	100.0
03	gamma-BHC(Lindane)	7.62	100.0
04	Heptachlor	8.57	100.0
05	Endosulfan I	11.34	100.0
06	Dieldrin	11.92	100.0
07	Endrin	12.52	100.0
08	4,4'-DDD	12.99	100.0
09	4,4'-DDT	13.61	100.0
10	Methoxychlor	15.11	100.0
11	Decachlorobiphenyl	17.92	

FORM VI PEST-6 OLM03.0

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column (1): RTX-CLPPESTICIDES ID: 0.53 (mm) Instrument ID (1): A2HP3

EPA Sample No. (Standard 1): INDBM1 Lab Sample ID (1): C657

Date Analyzed (1): 11/27/00 Time Analyzed (1): 2308

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	4.04	100.0
02	beta-BHC	6.32	100.0
03	delta-BHC	6.66	100.0
04	Aldrin	7.68	100.0
05	Heptachlor epoxide	9.03	100.0
06	gamma-Chlordane	9.30	100.0
07	alpha-Chlordane	9.58	100.0
08	4,4'-DDE	9.95	100.0
09	Endosulfan II	11.21	100.0
10	Endrin aldehyde	12.10	100.0
11	Endosulfan sulfate	12.97	100.0
12	Endrin ketone	13.45	100.0
13	Decachlorobiphenyl	15.70	

GC Column (2): RTX-CLP2 PESTICIDES ID: 0.53 (mm) Instrument ID (2): A2HP3

EPA Sample No. (Standard 2): INDBM1 Lab Sample ID (2): C657

Date Analyzed (2): 11/27/00 Time Analyzed (2): 2308

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.17	100.0
02	beta-BHC	7.90	100.0
03	delta-BHC	8.54	100.0
04	Aldrin	9.24	100.0
05	Heptachlor epoxide	10.55	100.0
06	gamma-Chlordane	10.96	100.0
07	alpha-Chlordane	11.28	100.0
08	4,4'-DDE	11.80	100.0
09	Endosulfan II	12.99	100.0
10	Endrin aldehyde	13.71	100.0
11	Endosulfan sulfate	14.28	100.0
12	Endrin ketone	15.29	100.0
13	Decachlorobiphenyl	17.92	

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

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

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

EPA Sample No.(PEM): PEM1 Date Analyzed :11/27/00

Lab Sample ID (PEM): C659 Time Analyzed :1619

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.0093	0.010	-7.0
beta-BHC	6.32	6.27	6.37	0.010	0.010	0.0
gamma-BHC(Lindane)	6.04	5.99	6.09	0.0093	0.010	-7.0
Endrin	10.74	10.67	10.81	0.050	0.050	0.0
4,4'-DDT	11.72	11.65	11.79	0.092	0.10	-8.0
Methoxychlor	12.86	12.79	12.93	0.22	0.25	-12.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.87

Combined % breakdown (1): 0.87

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

EPA Sample No.(PIBLK): PIBLK1 Date Analyzed :11/28/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0100

EPA Sample No.(PEM): PEM2 Date Analyzed :11/28/00

Lab Sample ID (PEM): C659 Time Analyzed :0137

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.0091	0.010	-9.0
beta-BHC	6.32	6.27	6.37	0.010	0.010	0.0
gamma-BHC(Lindane)	6.04	5.99	6.09	0.0092	0.010	-8.0
Endrin	10.74	10.67	10.81	0.050	0.050	0.0
4,4'-DDT	11.72	11.65	11.79	0.091	0.10	-9.0
Methoxychlor	12.86	12.79	12.93	0.22	0.25	-12.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.97

Combined % breakdown (1): 0.97

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA00292

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

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

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

EPA Sample No.(PEM): PEM3 Date Analyzed :11/28/00

Lab Sample ID (PEM): C659 Time Analyzed :1520

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.0089	0.010	-11.0
beta-BHC	6.32	6.27	6.37	0.010	0.010	0.0
gamma-BHC(Lindane)	6.05	5.99	6.09	0.0090	0.010	-10.0
Endrin	10.75	10.67	10.81	0.049	0.050	-2.0
4,4'-DDT	11.72	11.65	11.79	0.089	0.10	-11.0
Methoxychlor	12.86	12.79	12.93	0.22	0.25	-12.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 1.12

Combined % breakdown (1): 1.12

FORM VII PEST-1 OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

EPA Sample No.(PIBLK): PIBLK4 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0727

EPA Sample No.(PEM): PEM4 Date Analyzed :11/29/00

Lab Sample ID (PEM): C659 Time Analyzed :0805

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.010	0.010	0.0
beta-BHC	6.32	6.27	6.37	0.012	0.010	20.0
gamma-BHC(Lindane)	6.05	5.99	6.09	0.010	0.010	0.0
Endrin	10.75	10.67	10.81	0.057	0.050	14.0
4,4'-DDT	11.72	11.65	11.79	0.10	0.10	0.0
Methoxychlor	12.86	12.79	12.93	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 1.49

Combined % breakdown (1): 1.49

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

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

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

EPA Sample No.(PEM): PEM1 Date Analyzed :11/27/00

Lab Sample ID (PEM): C659 Time Analyzed :1619

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.76	6.71	6.81	0.0097	0.010	-3.0
beta-BHC	7.90	7.85	7.95	0.011	0.010	10.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.0098	0.010	-2.0
Endrin	12.52	12.45	12.59	0.052	0.050	4.0
4,4'-DDT	13.61	13.54	13.68	0.092	0.10	-8.0
Methoxychlor	15.11	15.04	15.18	0.23	0.25	-8.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

FORM VII PEST-1 OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

EPA Sample No.(PIBLK): PIBLK1 Date Analyzed :11/28/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0100

EPA Sample No.(PEM): PEM2 Date Analyzed :11/28/00

Lab Sample ID (PEM): C659 Time Analyzed :0137

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.76	6.71	6.81	0.0096	0.010	-4.0
beta-BHC	7.90	7.85	7.95	0.011	0.010	10.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.0097	0.010	-3.0
Endrin	12.52	12.45	12.59	0.052	0.050	4.0
4,4'-DDT	13.61	13.54	13.68	0.094	0.10	-6.0
Methoxychlor	15.11	15.04	15.18	0.23	0.25	-8.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

EPA Sample No.(PIBLK): PIBLK2 Date Analyzed :11/28/00

Lab Sample ID (PIBLK): C622 Time Analyzed :1442

EPA Sample No.(PEM): PEM3 Date Analyzed :11/28/00

Lab Sample ID (PEM): C659 Time Analyzed :1520

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.77	6.71	6.81	0.0090	0.010	-10.0
beta-BHC	7.90	7.85	7.95	0.010	0.010	0.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.0092	0.010	-8.0
Endrin	12.52	12.45	12.59	0.049	0.050	-2.0
4,4'-DDT	13.61	13.54	13.68	0.088	0.10	-12.0
Methoxychlor	15.11	15.04	15.18	0.22	0.25	-12.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

EPA Sample No.(PIBLK): PIBLK4 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0727

EPA Sample No.(PEM): PEM4 Date Analyzed :11/29/00

Lab Sample ID (PEM): C659 Time Analyzed :0805

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.76	6.71	6.81	0.010	0.010	0.0
beta-BHC	7.90	7.85	7.95	0.011	0.010	10.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.010	0.010	0.0
Endrin	12.52	12.45	12.59	0.056	0.050	12.0
4,4'-DDT	13.61	13.54	13.68	0.10	0.10	0.0
Methoxychlor	15.11	15.04	15.18	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

FORM VII PEST-1 OLM03.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

EPA Sample No.(PIBLK): PIBLK3 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0115

EPA Sample No.(INDA): INDAM2 Date Analyzed :11/29/00

Lab Sample ID (INDA): C656 Time Analyzed :0152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.020	0.020	0.0
gamma-BHC(Lindane)	6.05	5.99	6.09	0.020	0.020	0.0
Heptachlor	7.07	7.02	7.12	0.020	0.020	0.0
Endosulfan I	9.80	9.73	9.87	0.020	0.020	0.0
Dieldrin	10.31	10.24	10.38	0.040	0.040	0.0
Endrin	10.75	10.67	10.81	0.040	0.040	0.0
4,4'-DDD	11.17	11.10	11.24	0.039	0.040	-2.5
4,4'-DDT	11.72	11.65	11.79	0.040	0.040	0.0
Methoxychlor	12.86	12.79	12.93	0.19	0.20	-5.0
Tetrachloro-m-xylene	4.05	3.99	4.09	0.020	0.020	0.0
Decachlorobiphenyl	15.70	15.60	15.80	0.042	0.040	5.0

EPA Sample No.(INDB): INDBM2 Date Analyzed :11/29/00

Lab Sample ID (INDB): C657 Time Analyzed :0230

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	6.32	6.27	6.37	0.021	0.020	5.0
delta-BHC	6.66	6.61	6.71	0.021	0.020	5.0
Aldrin	7.68	7.63	7.73	0.021	0.020	5.0
Heptachlor epoxide	9.04	8.96	9.10	0.021	0.020	5.0
4,4'-DDE	9.95	9.88	10.02	0.042	0.040	5.0
Endosulfan II	11.22	11.14	11.28	0.043	0.040	7.5
Endosulfan sulfate	12.97	12.90	13.04	0.042	0.040	5.0
Endrin ketone	13.46	13.38	13.52	0.043	0.040	7.5
Endrin aldehyde	12.10	12.03	12.17	0.042	0.040	5.0
alpha-Chlordane	9.58	9.51	9.65	0.021	0.020	5.0
gamma-Chlordane	9.30	9.23	9.37	0.021	0.020	5.0
Tetrachloro-m-xylene	4.05	3.99	4.09	0.021	0.020	5.0
Decachlorobiphenyl	15.70	15.60	15.80	0.042	0.040	5.0

FORM VII PEST-2 OLM03.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: OK04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

EPA Sample No.(PIBLK): PIBLK3 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :0115

EPA Sample No.(INDA): INDAM2 Date Analyzed :11/29/00

Lab Sample ID (INDA): C656 Time Analyzed :0152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.76	6.71	6.81	0.020	0.020	0.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.020	0.020	0.0
Heptachlor	8.57	8.52	8.62	0.020	0.020	0.0
Endosulfan I	11.34	11.27	11.41	0.020	0.020	0.0
Dieldrin	11.92	11.85	11.99	0.039	0.040	-2.5
Endrin	12.52	12.45	12.59	0.039	0.040	-2.5
4,4'-DDD	12.99	12.92	13.06	0.038	0.040	-5.0
4,4'-DDT	13.61	13.54	13.68	0.039	0.040	-2.5
Methoxychlor	15.11	15.04	15.18	0.19	0.20	-5.0
Tetrachloro-m-xylene	5.17	5.12	5.22	0.020	0.020	0.0
Decachlorobiphenyl	17.92	17.82	18.02	0.041	0.040	2.5

EPA Sample No.(INDB): INDBM2 Date Analyzed :11/29/00

Lab Sample ID (INDB): C657 Time Analyzed :0230

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	7.90	7.85	7.95	0.020	0.020	0.0
delta-BHC	8.55	8.50	8.60	0.020	0.020	0.0
Aldrin	9.24	9.19	9.29	0.020	0.020	0.0
Heptachlor epoxide	10.56	10.48	10.62	0.020	0.020	0.0
4,4'-DDE	11.80	11.73	11.87	0.041	0.040	2.5
Endosulfan II	12.99	12.92	13.06	0.042	0.040	5.0
Endosulfan sulfate	14.28	14.21	14.35	0.041	0.040	2.5
Endrin ketone	15.29	15.22	15.36	0.041	0.040	2.5
Endrin aldehyde	13.72	13.64	13.78	0.041	0.040	2.5
alpha-Chlordane	11.28	11.21	11.35	0.020	0.020	0.0
gamma-Chlordane	10.96	10.89	11.03	0.020	0.020	0.0
Tetrachloro-m-xylene	5.17	5.12	5.22	0.020	0.020	0.0
Decachlorobiphenyl	17.92	17.82	18.02	0.041	0.040	2.5

FORM VII PEST-2 OLM03.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

EPA Sample No.(PIBLK): PIBLK5 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :1701

EPA Sample No.(INDA): INDAM3 Date Analyzed :11/29/00

Lab Sample ID (INDA): C656 Time Analyzed :1738

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	5.32	5.27	5.37	0.020	0.020	0.0
gamma-BHC(Lindane)	6.04	5.99	6.09	0.020	0.020	0.0
Heptachlor	7.07	7.02	7.12	0.020	0.020	0.0
Endosulfan I	9.80	9.73	9.87	0.020	0.020	0.0
Dieldrin	10.31	10.24	10.38	0.040	0.040	0.0
Endrin	10.74	10.67	10.81	0.040	0.040	0.0
4,4'-DDD	11.17	11.10	11.24	0.040	0.040	0.0
4,4'-DDT	11.72	11.65	11.79	0.040	0.040	0.0
Methoxychlor	12.86	12.79	12.93	0.20	0.20	0.0
Tetrachloro-m-xylene	4.04	3.99	4.09	0.020	0.020	0.0
Decachlorobiphenyl	15.70	15.60	15.80	0.045	0.040	12.5

EPA Sample No.(INDB): INDBM3 Date Analyzed :11/29/00

Lab Sample ID (INDB): C657 Time Analyzed :1816

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	6.32	6.27	6.37	0.020	0.020	0.0
delta-BHC	6.66	6.61	6.71	0.020	0.020	0.0
Aldrin	7.68	7.63	7.73	0.020	0.020	0.0
Heptachlor epoxide	9.04	8.96	9.10	0.020	0.020	0.0
4,4'-DDE	9.95	9.88	10.02	0.040	0.040	0.0
Endosulfan II	11.22	11.14	11.28	0.042	0.040	5.0
Endosulfan sulfate	12.97	12.90	13.04	0.042	0.040	5.0
Endrin ketone	13.46	13.38	13.52	0.042	0.040	5.0
Endrin aldehyde	12.10	12.03	12.17	0.042	0.040	5.0
alpha-Chlordane	9.59	9.51	9.65	0.020	0.020	0.0
gamma-Chlordane	9.30	9.23	9.37	0.020	0.020	0.0
Tetrachloro-m-xylene	4.05	3.99	4.09	0.020	0.020	0.0
Decachlorobiphenyl	15.70	15.60	15.80	0.042	0.040	5.0

FORM VII PEST-2 OLM03.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

EPA Sample No.(PIBLK): PIBLK5 Date Analyzed :11/29/00

Lab Sample ID (PIBLK): C622 Time Analyzed :1701

EPA Sample No.(INDA): INDAM3 Date Analyzed :11/29/00

Lab Sample ID (INDA): C656 Time Analyzed :1738

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	6.76	6.71	6.81	0.019	0.020	-5.0
gamma-BHC(Lindane)	7.62	7.57	7.67	0.019	0.020	-5.0
Heptachlor	8.57	8.52	8.62	0.020	0.020	0.0
Endosulfan I	11.33	11.27	11.41	0.019	0.020	-5.0
Dieldrin	11.92	11.85	11.99	0.039	0.040	-2.5
Endrin	12.52	12.45	12.59	0.039	0.040	-2.5
4,4'-DDD	12.99	12.92	13.06	0.039	0.040	-2.5
4,4'-DDT	13.60	13.54	13.68	0.040	0.040	0.0
Methoxychlor	15.11	15.04	15.18	0.20	0.20	0.0
Tetrachloro-m-xylene	5.17	5.12	5.22	0.020	0.020	0.0
Decachlorobiphenyl	17.92	17.82	18.02	0.043	0.040	7.5

EPA Sample No.(INDB): INDBM3 Date Analyzed :11/29/00

Lab Sample ID (INDB): C657 Time Analyzed :1816

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	7.90	7.85	7.95	0.019	0.020	-5.0
delta-BHC	8.55	8.50	8.60	0.019	0.020	-5.0
Aldrin	9.24	9.19	9.29	0.019	0.020	-5.0
Heptachlor epoxide	10.55	10.48	10.62	0.019	0.020	-5.0
4,4'-DDE	11.80	11.73	11.87	0.039	0.040	-2.5
Endosulfan II	12.99	12.92	13.06	0.040	0.040	0.0
Endosulfan sulfate	14.28	14.21	14.35	0.040	0.040	0.0
Endrin ketone	15.29	15.22	15.36	0.041	0.040	2.5
Endrin aldehyde	13.71	13.64	13.78	0.041	0.040	2.5
alpha-Chlordane	11.28	11.21	11.35	0.020	0.020	0.0
gamma-Chlordane	10.96	10.89	11.03	0.019	0.020	-5.0
Tetrachloro-m-xylene	5.17	5.12	5.22	0.019	0.020	-5.0
Decachlorobiphenyl	17.92	17.82	18.02	0.041	0.040	2.5

FORM VII PEST-2 OLM03.0

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

Instrument ID: A2HP3

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 15.70

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC1	C662	11/27/00	1542	4.04	15.70
02	PEM1	C659	11/27/00	1619	4.04	15.70
03	AR1660	C670	11/27/00	1656	4.04	15.70
04	AR12211	C671	11/27/00	1734	4.04	15.70
05	AR12321	C665	11/27/00	1811	4.04	15.70
06	AR12421	C673	11/27/00	1848	4.04	15.70
07	AR12481	C674	11/27/00	1925	4.04	15.70
08	AR12541	C669	11/27/00	2003	4.04	15.70
09	TOXAP1	C513	11/27/00	2040	4.04	15.70
10	INDAL1	C616	11/27/00	2117	4.04	15.70
11	INDBL1	C617	11/27/00	2154	4.04	15.70
12	INDAM1	C656	11/27/00	2231	4.04	15.70
13	INDBM1	C657	11/27/00	2308	4.04	15.70
14	INDAH1	C620	11/27/00	2346	4.04	15.69
15	INDBH1	C621	11/28/00	0023	4.04	15.70
16	PIBLK1	C622	11/28/00	0100	4.04	15.70
17	PEM2	C659	11/28/00	0137	4.04	15.70
18	PIBLK2	C622	11/28/00	1442	4.04	15.70
19	PEM3	C659	11/28/00	1520	4.04	15.70
20	PBLANK1	DPHT71AA	11/28/00	1634	4.05	15.70
21	SL-80	DPDH31AA	11/28/00	1711	4.05	15.70
22	SL-81	DPDH91AA	11/28/00	1826	4.04	15.70
23	SL-81MS	DPDH91AG	11/28/00	1903	4.05	15.70
24	SL-81MSD	DPDH91AH	11/28/00	1940	4.05	15.70
25	PBLANK2	DPKDE1AA	11/28/00	2017	4.05	15.70
26	SL-82-9.0	DPJFJ1AA	11/28/00	2055	4.05	15.70
27	SL-82-9.0MS	DPJFJ1AC	11/28/00	2132	4.05	15.70
28	SL-82-9.0MSD	DPJFJ1AD	11/28/00	2209	4.05	15.70
29	SL-83-9.0'	DPJF31AA	11/28/00	2246	4.04	15.70
30	DSL-16DL	DPJF51AA	11/28/00	2324	4.05	15.70
31	DSL-16	DPJF51AA	11/29/00	0001	4.04	15.70
32	PIBLK3	C622	11/29/00	0115	4.05	15.70

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

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

FORM VIII PEST OLM03.0

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/28/

Instrument ID: A2HP3

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.04 DCB: 15.70

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	INDAM2	C656	11/29/00	0152	4.05	15.70
02	INDBM2	C657	11/29/00	0230	4.05	15.70
03	PIBLK4	C622	11/29/00	0727	4.05	15.70
04	PEM4	C659	11/29/00	0805	4.05	15.70
05	SL-81DL	DPDH91AA	11/29/00	1547	4.04	15.69
06	ZZZZZ	ZZZZZ	11/29/00	1624		15.80
07	PIBLK5	C622	11/29/00	1701	4.04	15.70
08	INDAM3	C656	11/29/00	1738	4.04	15.70
09	INDBM3	C657	11/29/00	1816	4.05	15.70
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QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

Instrument ID: A2HP3

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.17 DCB: 17.92

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC1	C662	11/27/00	1542	5.17	17.92
02	PEM1	C659	11/27/00	1619	5.17	17.92
03	AR1660	C670	11/27/00	1656	5.17	17.92
04	AR12211	C671	11/27/00	1734	5.17	17.92
05	AR12321	C665	11/27/00	1811	5.17	17.92
06	AR12421	C673	11/27/00	1848	5.17	17.92
07	AR12481	C674	11/27/00	1925	5.17	17.92
08	AR12541	C669	11/27/00	2003	5.17	17.92
09	TOXAP1	C513	11/27/00	2040	5.17	17.92
10	INDAL1	C616	11/27/00	2117	5.17	17.92
11	INDBL1	C617	11/27/00	2154	5.17	17.92
12	INDAM1	C656	11/27/00	2231	5.17	17.92
13	INDBM1	C657	11/27/00	2308	5.17	17.92
14	INDAH1	C620	11/27/00	2346	5.17	17.92
15	INDBH1	C621	11/28/00	0023	5.17	17.92
16	PIBLK1	C622	11/28/00	0100	5.17	17.92
17	PEM2	C659	11/28/00	0137	5.17	17.92
18	PIBLK2	C622	11/28/00	1442	5.17	17.92
19	PEM3	C659	11/28/00	1520	5.17	17.92
20	PBLANK1	DPHT71AA	11/28/00	1634	5.17	17.92
21	SL-80	DPDH31AA	11/28/00	1711	5.17	17.92
22	SL-81	DPDH91AA	11/28/00	1826	5.17	17.92
23	SL-81MS	DPDH91AG	11/28/00	1903	5.17	17.92
24	SL-81MSD	DPDH91AH	11/28/00	1940	5.17	17.92
25	PBLANK2	DPKDE1AA	11/28/00	2017	5.17	17.92
26	SL-82-9.0	DPJFJ1AA	11/28/00	2055	5.17	17.92
27	SL-82-9.0MS	DPJFJ1AC	11/28/00	2132	5.17	17.92
28	SL-82-9.0MSD	DPJFJ1AD	11/28/00	2209	5.17	17.92
29	SL-83-9.0'	DPJF31AA	11/28/00	2246	5.17	17.92
30	DSL-16DL	DPJF51AA	11/28/00	2324	5.17	17.92
31	DSL-16	DPJF51AA	11/29/00	0001	5.17	17.93
32	PIBLK3	C622	11/29/00	0115	5.17	17.92

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

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

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 11/27/00 11/2

Instrument ID: A2HP3

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.17 DCB: 17.92

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	INDAM2	C656	11/29/00	0152	5.17	17.92
02	INDBM2	C657	11/29/00	0230	5.17	17.92
03	PIBLK4	C622	11/29/00	0727	5.17	17.92
04	PEM4	C659	11/29/00	0805	5.17	17.92
05	SL-81DL	DPDH91AA	11/29/00	1547	5.17	17.92
06	PIBLK5	C622	11/29/00	1701	5.17	17.92
07	INDAM3	C656	11/29/00	1738	5.17	17.92
08	INDBM3	C657	11/29/00	1816	5.17	17.92
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QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

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

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I08259

Florisil Cartridge Lot Number: 339467 Date of Analysis: 09/16/99

GC Column (1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column (2): RTX-CLP2 PESTICIDES

COMPOUND	SPIKE ADDED (ug/L)	SPIKE RECOVERED (ug/L)	% REC #	QC LIMITS
alpha-BHC	10	8.8	88	80-120
gamma-BHC(Lindane)	10	8.1	81	80-120
Heptachlor	10	9.0	90	80-120
Endosulfan I	10	9.0	90	80-120
Dieldrin	20	18	90	80-120
Endrin	20	20	100	80-120
4,4'-DDD	20	18	90	80-120
4,4'-DDT	20	20	100	80-120
Methoxychlor	100	96	96	80-120
2,4,5-Trichlorophenol	50	1.2	2	0- 5
Tetrachloro-m-xylene	10	8.6	86	80-120
Decachlorobiphenyl	20	19	95	80-120

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

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLANK1	DPHT71AA	11/28/00	11/28/00
02	SL-80	DPDH31AA	11/28/00	11/28/00
03	SL-81	DPDH91AA	11/28/00	11/28/00
04	SL-81MS	DPDH91AG	11/28/00	11/28/00
05	SL-81MSD	DPDH91AH	11/28/00	11/28/00
06	PBLANK2	DPKDE1AA	11/28/00	11/28/00
07	SL-82-9.0	DPJFJ1AA	11/28/00	11/28/00
08	SL-82-9.0MS	DPJFJ1AC	11/28/00	11/28/00
09	SL-82-9.0MSD	DPJFJ1AD	11/28/00	11/28/00
10	SL-83-9.0'	DPJF31AA	11/28/00	11/28/00
11	DSL-16DL	DPJF51AA	11/28/00	11/28/00
12	DSL-16	DPJF51AA	11/29/00	11/29/00
13	SL-81DL	DPDH91AA	11/29/00	11/29/00
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9B
PESTICIDE GPC CALIBRATION

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

GPC Column: 1024 Date of Analysis: 11/30/00

GC Column (1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column (2): RTX-CLP2 PESTICIDES

COMPOUND	SPIKE ADDED (ug/L)	SPIKE RECOVERED (ug/L)	% REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	0.50	0.42	84	80-110
Heptachlor	0.50	0.44	88	80-110
Aldrin	0.50	0.44	88	80-110
Dieldrin	1.0	0.84	84	80-110
Endrin	1.0	0.82	82	80-110
4,4'-DDT	1.0	0.90	90	80-110

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

THIS GPC CALIBRATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLANK1	DPHT71AA	11/28/00	11/28/00
02	SL-80	DPDH31AA	11/28/00	11/28/00
03	SL-81	DPDH91AA	11/28/00	11/28/00
04	SL-81MS	DPDH91AG	11/28/00	11/28/00
05	SL-81MSD	DPDH91AH	11/28/00	11/28/00
06	PBLANK2	DPKDE1AA	11/28/00	11/28/00
07	SL-82-9.0	DPJFJ1AA	11/28/00	11/28/00
08	SL-82-9.0MS	DPJFJ1AC	11/28/00	11/28/00
09	SL-82-9.0MSD	DPJFJ1AD	11/28/00	11/28/00
10	SL-83-9.0'	DPJF31AA	11/28/00	11/28/00
11	DSL-16DL	DPJF51AA	11/28/00	11/28/00
12	DSL-16	DPJF51AA	11/29/00	11/29/00
13	SL-81DL	DPDH91AA	11/29/00	11/29/00
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FORM IX SV-2 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

DSL-16

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJF51AA Date(s) Analyzed: 11/29/00 11/29/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	6.32	6.27	6.37	7.5	
	2	7.90	7.85	7.95	12	60.0
gamma-BHC(Lindane)	1	6.04	5.99	6.09	27	
	2	7.62	7.57	7.67	22	22.7
Heptachlor	1	7.07	7.02	7.12	650	
	2	8.57	8.52	8.62	660	1.5
Aldrin	1	7.68	7.63	7.73	2900	
	2	9.24	9.19	9.29	2900	0.0
Heptachlor epoxide	1	9.04	8.96	9.10	32	
	2	10.52	10.48	10.62	36	12.5
Dieldrin	1	10.31	10.24	10.38	1200	
	2	11.92	11.85	11.99	1400	16.7
4,4'-DDE	1	9.95	9.88	10.02	34	
	2	11.80	11.73	11.87	26	30.8
Endrin	1	10.73	10.67	10.81	530	
	2	12.52	12.45	12.59	180	194.4

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

DSL-16

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJF51AA Date(s) Analyzed: 11/29/00 11/29/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan II	1	11.27	11.14	11.28	70	
	2	12.97	12.92	13.06	570	714.3
4,4'-DDT	1	11.75	11.65	11.79	760	
	2	13.61	13.54	13.68	380	100.0
Endrin ketone	1	13.45	13.38	13.52	82	
	2	15.29	15.22	15.36	71	15.5
alpha-Chlordane	1	9.58	9.51	9.65	270	
	2	11.28	11.21	11.35	180	50.0
gamma-Chlordane	1	9.30	9.23	9.37	640	
	2	10.96	10.89	11.03	620	3.2
	1					
	2					
	1					
	2					
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

DSL-16DL

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJF51AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor	1	7.07	7.02	7.12	740	
	2	8.57	8.52	8.62	740	0.0
Aldrin	1	7.68	7.63	7.73	3400	
	2	9.24	9.19	9.29	3300	3.0
Dieldrin	1	10.31	10.24	10.38	1400	
	2	11.92	11.85	11.99	1600	14.3
Endrin	1	10.73	10.67	10.81	620	
	2	12.52	12.45	12.59	220	181.8
4,4'-DDT	1	11.75	11.65	11.79	800	
	2	13.61	13.54	13.68	440	81.8
alpha-Chlordane	1	9.58	9.51	9.65	330	
	2	11.28	11.21	11.35	210	57.1
gamma-Chlordane	1	9.30	9.23	9.37	730	
	2	10.96	10.89	11.03	700	4.3
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBLANK1

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPHT71AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	7.68	7.63	7.73	2.3	
	2	9.24	9.19	9.29	2.1	9.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-80

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH31AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	7.68	7.63	7.73	48	
	2	9.24	9.19	9.29	47	2.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	6.05	5.99	6.09	1.2	
	2	7.62	7.57	7.67	1.1	9.1
Aldrin	1	7.68	7.63	7.73	340	
	2	9.24	9.19	9.29	330	3.0
Dieldrin	1	10.31	10.24	10.38	9.1	
	2	11.92	11.85	11.99	8.7	4.6
alpha-Chlordane	1	9.58	9.51	9.65	2.1	
	2	11.28	11.21	11.35	1.7	23.5
gamma-Chlordane	1	9.30	9.23	9.37	3.0	
	2	10.96	10.89	11.03	3.1	3.3
	1					
	2					
	1					
	2					
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81DL

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AA Date(s) Analyzed: 11/29/00 11/29/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	7.68	7.63	7.73	320	
	2	9.24	9.19	9.29	390	21.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81MS

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AG Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	6.05	5.99	6.09	14	
	2	7.62	7.57	7.67	13	7.7
Heptachlor	1	7.07	7.02	7.12	15	
	2	8.57	8.52	8.62	15	0.0
Aldrin	1	7.68	7.63	7.73	150	
	2	9.24	9.19	9.29	140	7.1
Dieldrin	1	10.31	10.24	10.38	35	
	2	11.92	11.85	11.99	34	2.9
Endrin	1	10.75	10.67	10.81	32	
	2	12.52	12.45	12.59	30	6.7
4,4'-DDT	1	11.72	11.65	11.79	35	
	2	13.61	13.54	13.68	32	9.4
Endrin ketone	1	13.45	13.38	13.52	3.5	
	2	15.29	15.22	15.36	3.8	8.6
alpha-Chlordane	1	9.57	9.51	9.65	2.0	
	2	11.28	11.21	11.35	1.8	11.1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81MS

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AG Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-Chlordane	1	9.30	9.23	9.37	1.3	
	2	10.96	10.89	11.03	1.5	15.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81MSD

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AH Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	6.05	5.99	6.09	16	
	2	7.62	7.57	7.67	15	6.7
Heptachlor	1	7.07	7.02	7.12	17	
	2	8.57	8.52	8.62	17	0.0
Aldrin	1	7.68	7.63	7.73	200	
	2	9.24	9.19	9.29	200	0.0
Dieldrin	1	10.31	10.24	10.38	41	
	2	11.92	11.85	11.99	40	2.5
Endrin	1	10.75	10.67	10.81	36	
	2	12.52	12.45	12.59	35	2.8
4,4'-DDT	1	11.72	11.65	11.79	38	
	2	13.61	13.54	13.68	35	8.6
Endrin ketone	1	13.45	13.38	13.52	4.0	
	2	15.29	15.22	15.36	4.2	5.0
alpha-Chlordane	1	9.58	9.51	9.65	1.3	
	2	11.28	11.21	11.35	1.2	8.3

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-81MSD

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPDH91AH Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-Chlordane	1	9.30	9.23	9.37	1.8	
	2	10.96	10.89	11.03	1.8	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-82-9.0

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJFJ1AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	7.68	7.63	7.73	2.0	
	2	9.24	9.19	9.29	1.9	5.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-82-9.0MS

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJFJ1AC Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	6.05	5.99	6.09	17	
	2	7.62	7.57	7.67	16	6.2
Heptachlor	1	7.07	7.02	7.12	18	
	2	8.57	8.52	8.62	17	5.9
Aldrin	1	7.68	7.63	7.73	19	
	2	9.24	9.19	9.29	19	0.0
Dieldrin	1	10.31	10.24	10.38	35	
	2	11.92	11.85	11.99	34	2.9
Endrin	1	10.75	10.67	10.81	34	
	2	12.52	12.45	12.59	33	3.0
4,4'-DDT	1	11.72	11.65	11.79	35	
	2	13.61	13.54	13.68	35	0.0
Endrin ketone	1	13.46	13.38	13.52	3.8	
	2	15.29	15.22	15.36	4.1	7.9
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-82-9.0MSD

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJFJ1AD Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC(Lindane)	1	6.04	5.99	6.09	15	
	2	7.62	7.57	7.67	15	0.0
Heptachlor	1	7.07	7.02	7.12	16	
	2	8.57	8.52	8.62	16	0.0
Aldrin	1	7.68	7.63	7.73	23	
	2	9.24	9.19	9.29	23	0.0
Dieldrin	1	10.31	10.24	10.38	33	
	2	11.92	11.85	11.99	33	0.0
Endrin	1	10.75	10.67	10.81	31	
	2	12.52	12.45	12.59	31	0.0
4,4'-DDT	1	11.72	11.65	11.79	32	
	2	13.61	13.54	13.68	33	3.1
Endrin ketone	1	13.46	13.38	13.52	3.4	
	2	15.29	15.22	15.36	3.8	11.8
	1					
	2					

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SL-83-9.0'

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Lab Sample ID: DPJF31AA Date(s) Analyzed: 11/28/00 11/28/00

Instrument ID (1): A2HP3 Instrument ID (2): A2HP3

GC Column(1): RTX-CLPPESTICIDES ID: 0.53(mm) GC Column(2): RTX-CLP2 PESTICIDES

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	7.68	7.63	7.73	4.7	
	2	9.24	9.19	9.29	4.4	6.8
Dieldrin	1	10.30	10.24	10.38	8.9	
	2	11.92	11.85	11.99	3.8	134.2
Endosulfan II	1	11.25	11.14	11.28	15	
	2	12.92	12.92	13.06	29	93.3
4,4'-DDT	1	11.72	11.65	11.79	3.8	
	2	13.60	13.54	13.68	11	189.5
Endrin aldehyde	1	12.04	12.03	12.17	1.5	
	2	13.76	13.64	13.78	2.7	80.0
alpha-Chlordane	1	9.58	9.51	9.65	4.8	
	2	11.28	11.21	11.35	1.4	242.8
gamma-Chlordane	1	9.24	9.23	9.37	7.0	
	2	10.95	10.89	11.03	3.0	133.3
	1					
	2					

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\004F0401.D
Lab Smp Id: C662 Client Smp ID: RESC1
Inj Date : 27-NOV-2000 15:42
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C662,,RESC1
Misc Info : RESC.sub,RESC.spk,3,RESOLUTION
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 4 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.042	4.042	(0.000)	3213061	0.01939	0.19		(RR)
15 Endosulfan I					CAS #: 959-98-8		
9.800	9.801	(-0.001)	1558358	0.00922	0.092		(R)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.298	9.299	(-0.001)	1626522	0.00917	0.092		(R)
18 4,4'-DDE					CAS #: 72-55-9		
9.948	9.949	(-0.001)	3100411	0.01891	0.19		(R)
19 Dieldrin					CAS #: 60-57-1		
10.310	10.310	(0.000)	3251251	0.01812	0.18		(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
27 Endosulfan sulfate					CAS #: 1031-07-8			
12.961	12.966	(-0.005)	2630982	0.02088	0.21			(R)
28 Methoxychlor					CAS #: 72-43-5			
12.860	12.860	(0.000)	5109927	0.09074	0.91			(R)
29 Endrin ketone					CAS #: 53494-70-5			
13.452	13.453	(-0.001)	2736330	0.01948	0.19			(R)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.695	15.700	(-0.005)	2404977	0.02071	0.21			(RR)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

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Date : 27-NOV-2000 15:42

Client ID: RESC1

Sample Info: C662,,RESC1

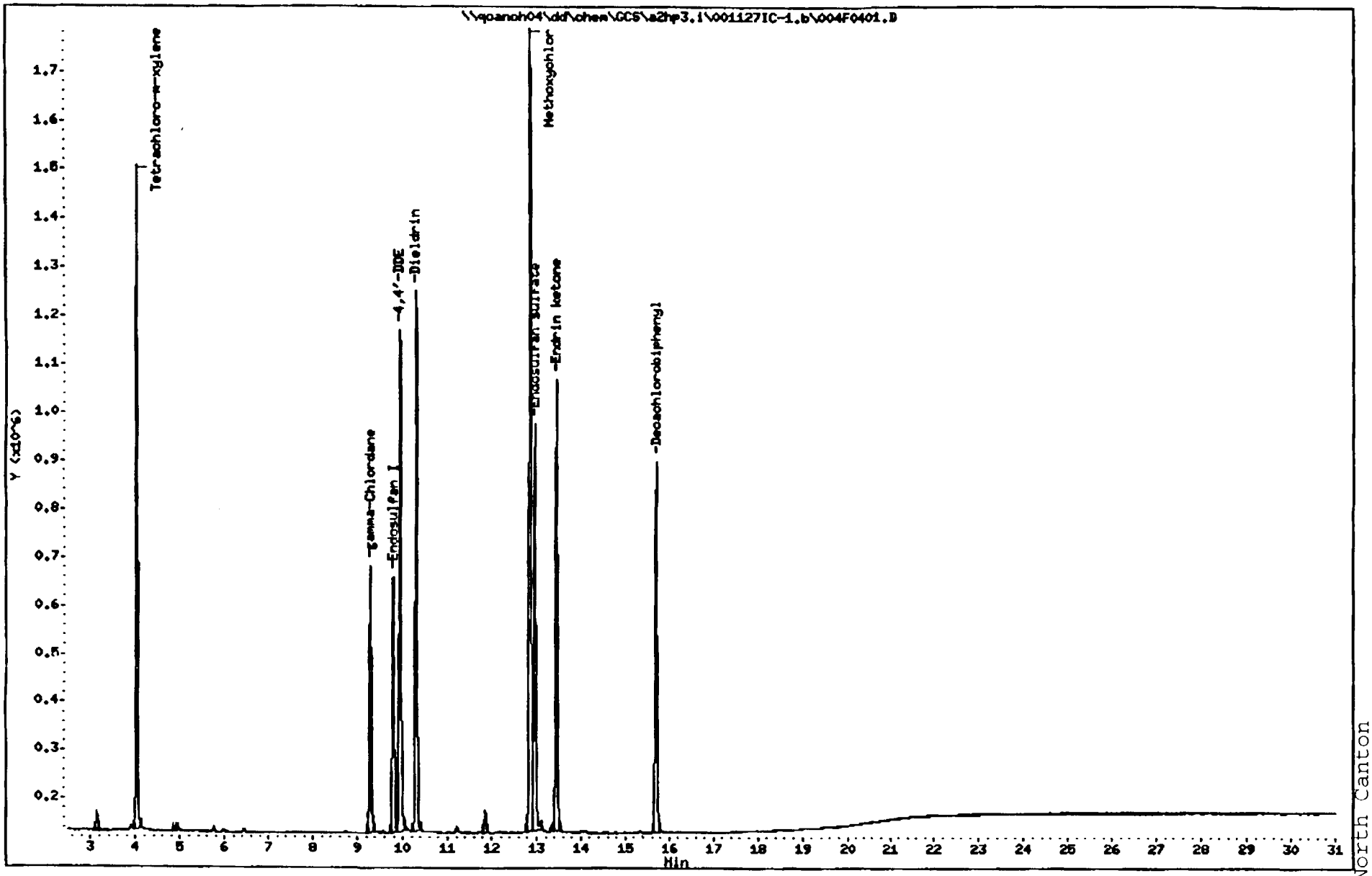
Volume Injected (uL): 1.0

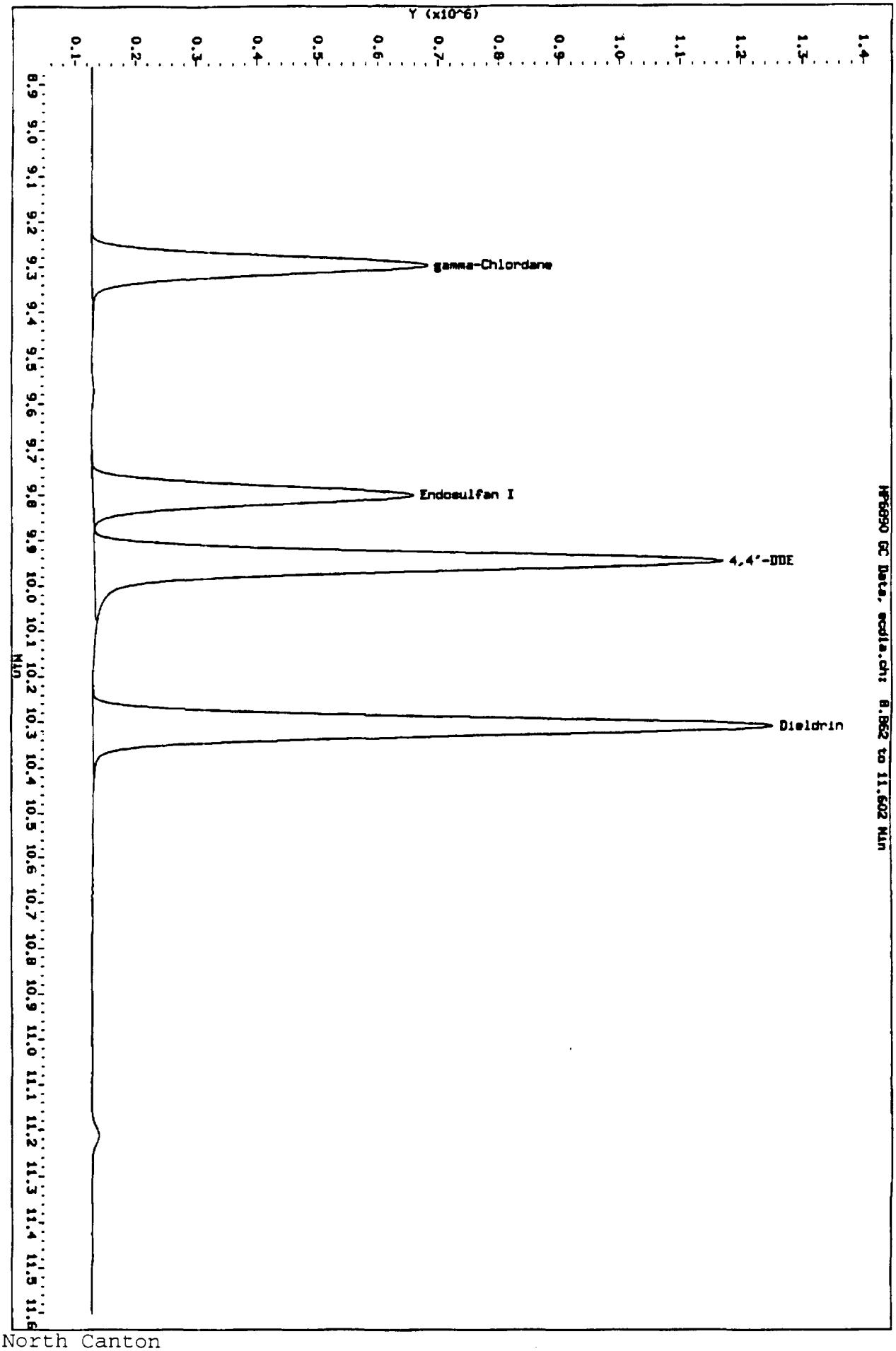
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53

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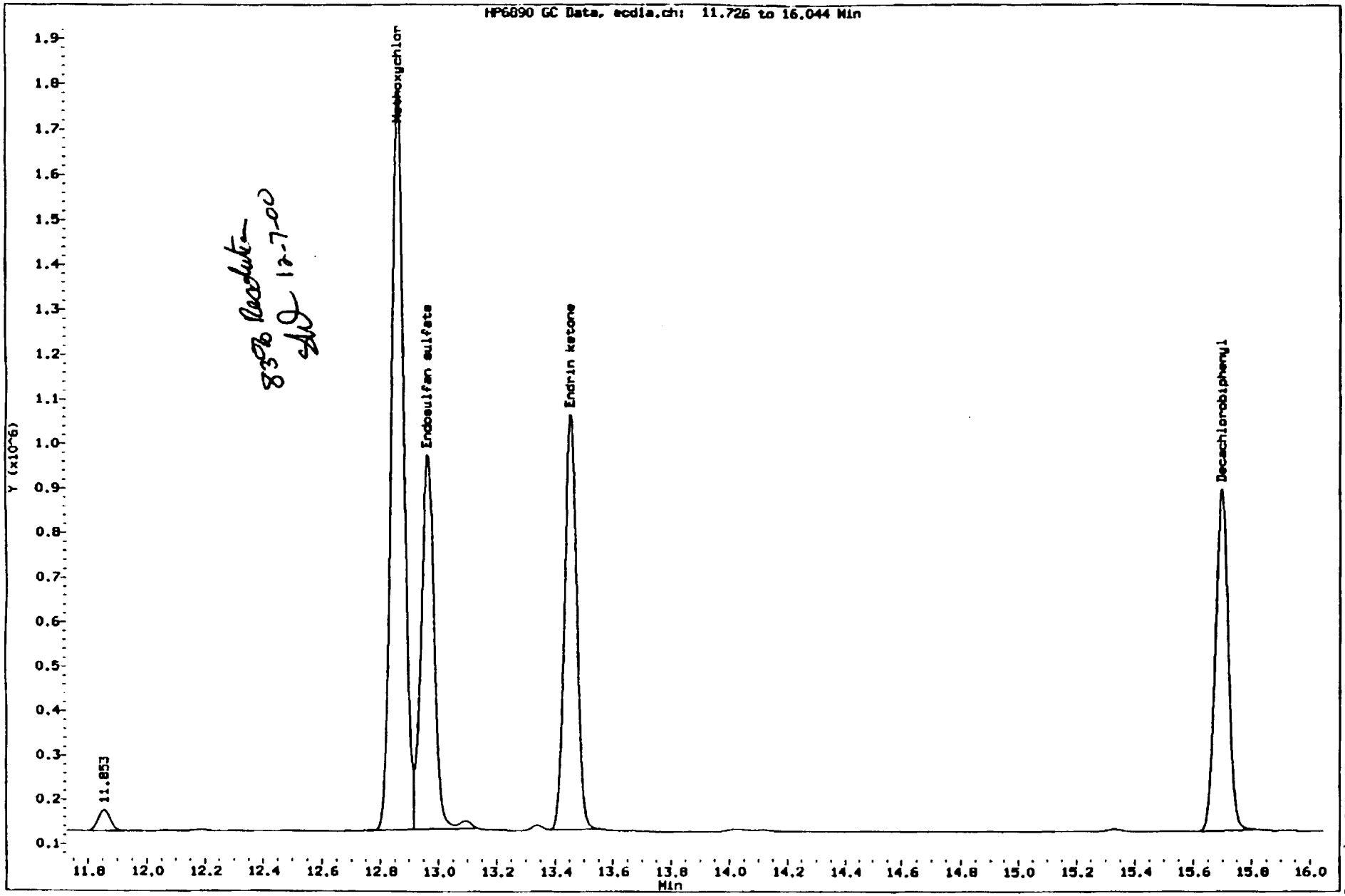
Injection Date: 27-NOV-2000 15:42
Instrument: a2hp3.i
Client Sample ID: RESC1
HP6890 GC Data, ecdia.ch: 8.862 to 11.602 Min
Y (x10^6)
gamma-Chlordane
Endosulfan I
4,4'-DDE
Dieldrin
Min

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\004F0401.D
Injection Date: 27-NOV-2000 15:42
Instrument: a2hp3.i
Client Sample ID: RESC1



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\004F0401.D
Lab Smp Id: C662 Client Smp ID: RESC1
Inj Date : 27-NOV-2000 15:42
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C662,,RESC1
Misc Info : RESC.sub,RESC.spk,3,RESOLUTION
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 08-Dec-2000 13:18 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 4 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RESC.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.169	5.169	(0.000)	2789924	0.01975	0.20		(RR)
15 Endosulfan I					CAS #: 959-98-8		
11.336	11.340	(-0.004)	1394453	0.00979	0.098		(R)
14 gamma-Chlordane					CAS #: 5103-74-2		
10.958	10.960	(-0.002)	1454208	0.00944	0.094		(R)
19 4,4'-DDE					CAS #: 72-55-9		
11.797	11.800	(-0.003)	2715277	0.01949	0.19		(R)
18 Dieldrin					CAS #: 60-57-1		
11.918	11.920	(-0.002)	2918309	0.01922	0.19		(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
25 Endosulfan sulfate					CAS #: 1031-07-8		
14.274	14.280	(-0.006)	2212620	0.02005	0.20		(R)
29 Methoxychlor					CAS #: 72-43-5		
15.110	15.110	(0.000)	4712016	0.09504	0.95		(aRM)
28 Endrin ketone					CAS #: 53494-70-5		
15.284	15.290	(-0.006)	2537804	0.02043	0.20		(R)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	1895574	0.02129	0.21		(RR)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\004F0401.D

Date : 27-NOV-2000 15:42

Client ID: RESC1

Sample Info: C662,,RESC1

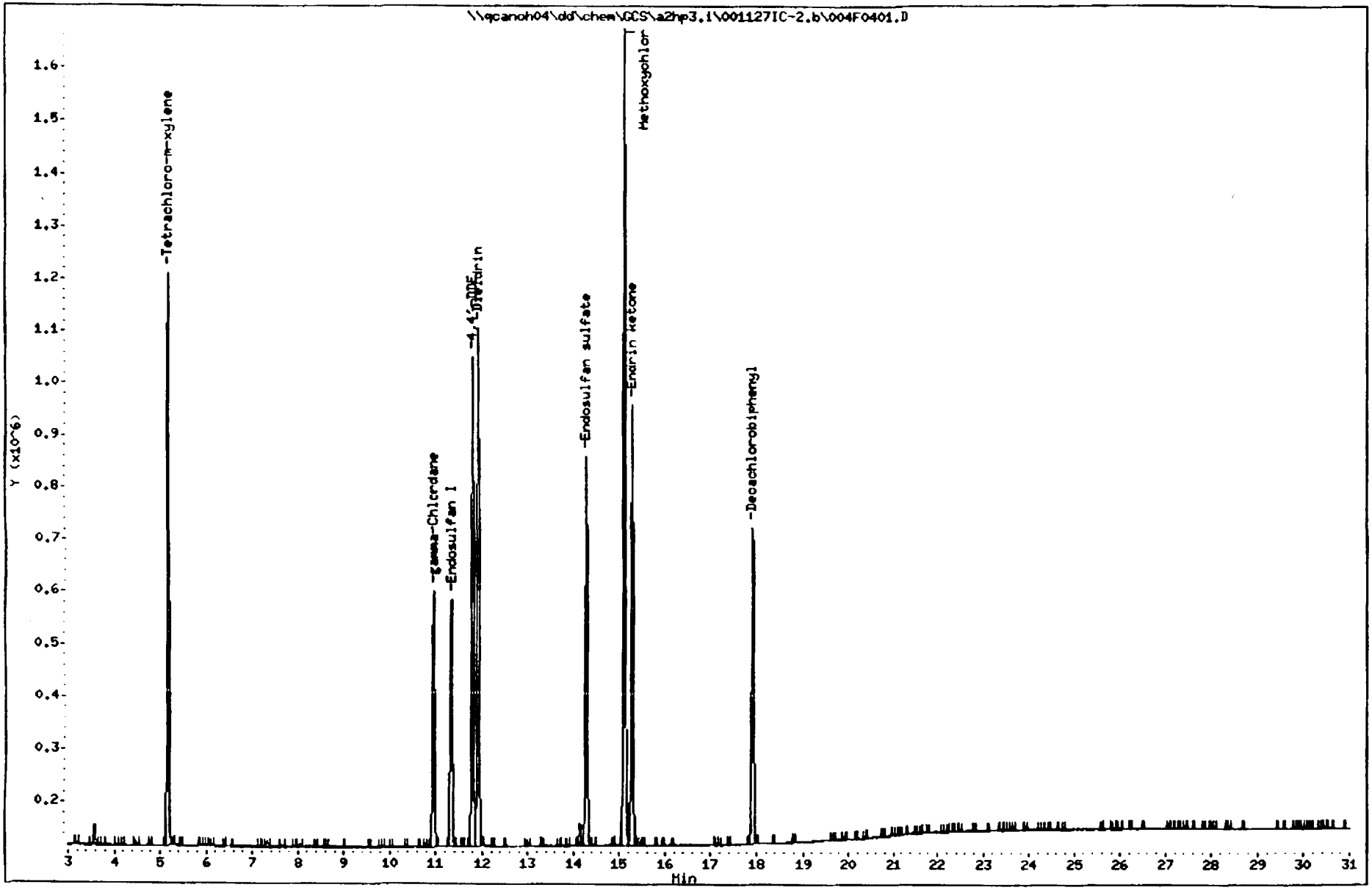
Volume Injected (uL): 1.0

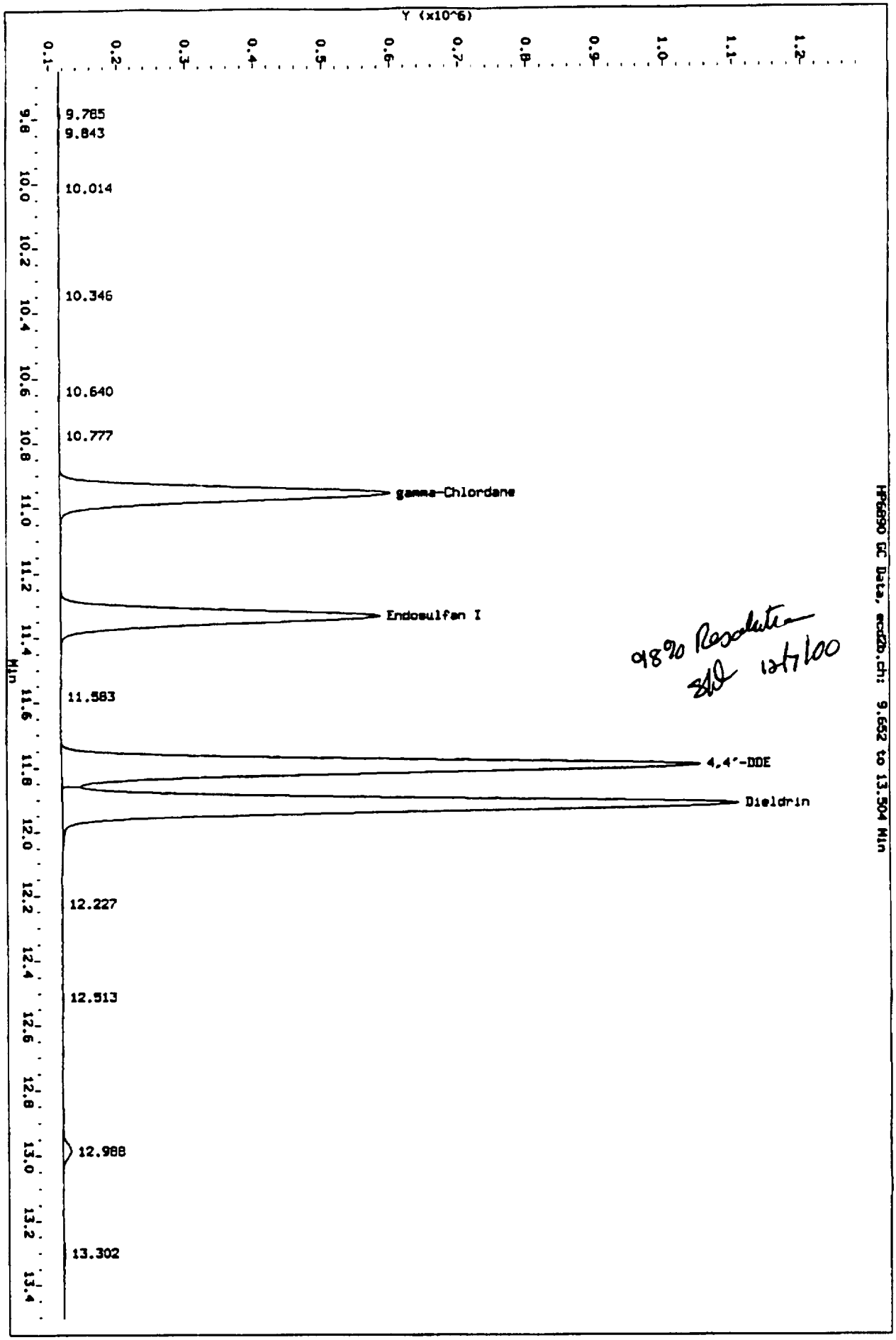
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

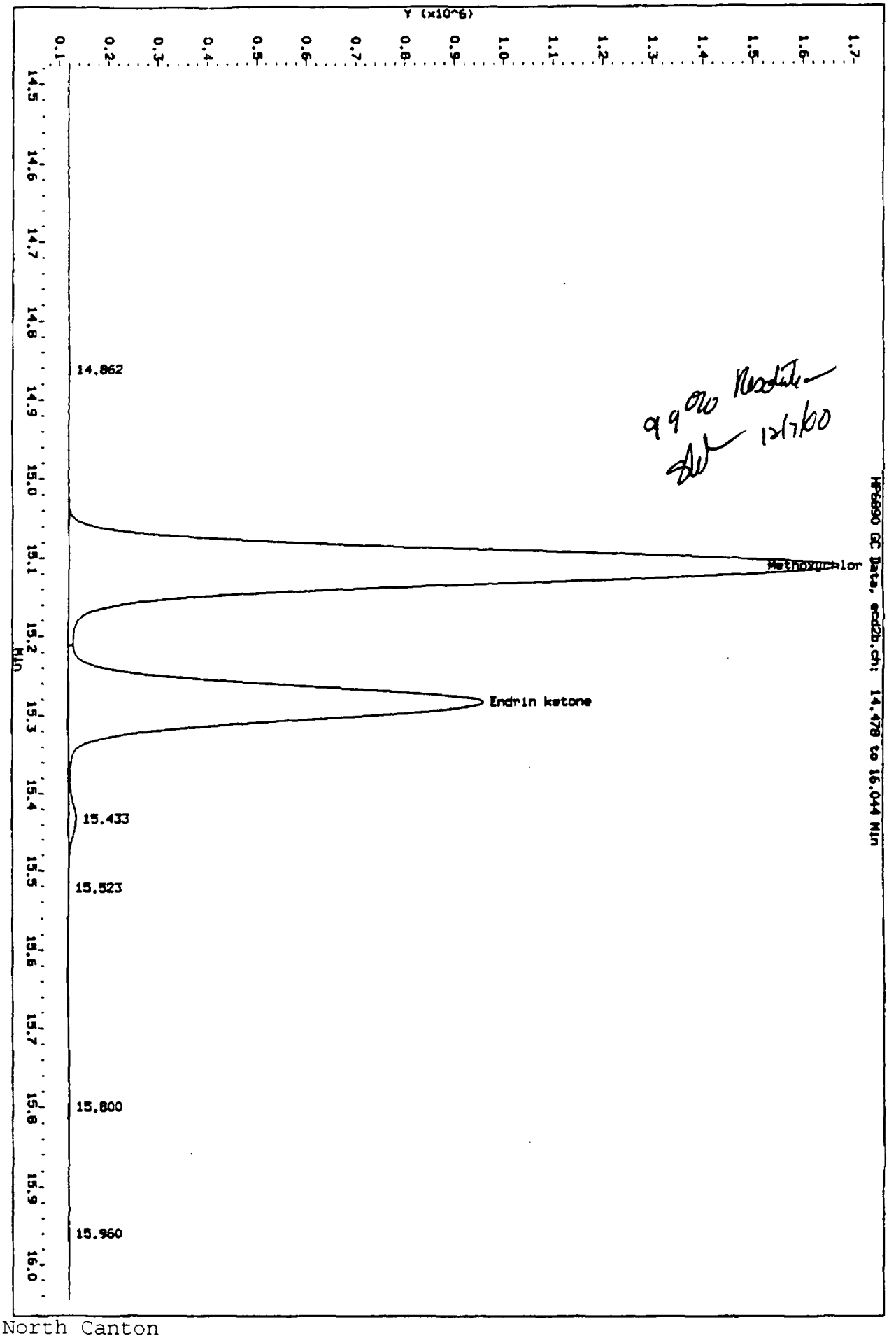
Operator: 001754

Column diameter: 0.53




Data File: \\qcanoh04\dd\chem\GCS\a2hp3.1\001127IC-2.b\004F0401.D
Injection Date: 27-NOV-2000 15:42
Instrument: a2hp3.1
Client Sample ID: RESC1
HP6890 GC Data, ecd2b.ch: 9.652 to 13.504 Min
Y (x10^6)
Min
9.785
9.843
10.014
10.346
10.640
10.777
gamma-Chlordane
Endosulfan I
11.583
4,4'-DDE
Dieldrin
12.227
12.513
12.988
13.302
98% Resolution
12/7/00

Data File: \\gcanon04\dd\chem\GCS\a2hp3.i\001127IC-2.b\004F0401.D
Injection Date: 27-NOV-2000 15:42
Instrument: a2hp3.i
Client Sample ID: RESC1



99% Resolution
12/7/00

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\005F0501.D
Lab Smp Id: C659 Client Smp ID: PEM1
Inj Date : 27-NOV-2000 16:19
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM1
Misc Info : PEM.sub,PEM.spk,3,PEM
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3264268	0.01970	0.20		
5 alpha-BHC					CAS #: 319-84-6		
5.322	5.321	(0.001)	2455549	0.00930	0.093		(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.043	6.042	(0.001)	2183257	0.00932	0.093		(R)
12 beta-BHC					CAS #: 319-85-7		
6.318	6.319	(-0.001)	991929	0.01056	0.10		(R)
21 Endrin					CAS #: 72-20-8		
10.743	10.743	(0.000)	6769770	0.05041	0.50		(R)

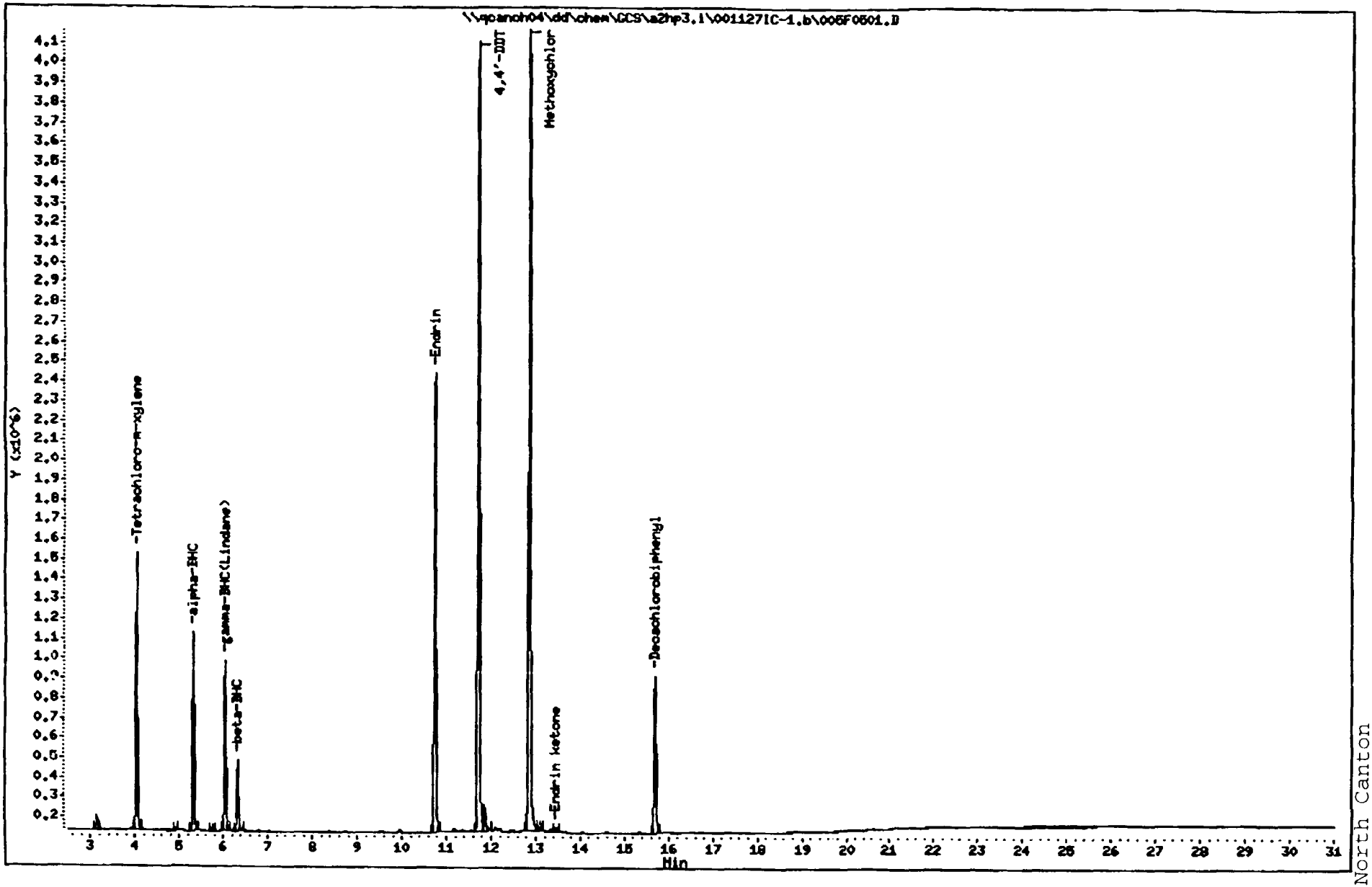
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
25 4,4'-DDT					CAS #: 50-29-3			
11.715	11.720	(-0.005)	11865409	0.09176	0.92			(R)
28 Methoxychlor					CAS #: 72-43-5			
12.860	12.860	(0.000)	12593637	0.22364	2.2			(R)
29 Endrin ketone					CAS #: 53494-70-5			
13.453	13.453	(0.000)	60859	<0.0	0.0043			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.698	15.700	(-0.002)	2472741	0.02130	0.21			

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001127IC-1.b\005F0501.D
Date : 27-NOV-2000 16:19
Client ID: PEM1
Sample Info: C669,,PEM1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\020F2001.D
Lab Smp Id: C659 Client Smp ID: PEM2
Inj Date : 28-NOV-2000 01:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM2
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 20 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3166701	0.01911	0.19		
5 alpha-BHC					CAS #: 319-84-6		
5.322	5.321	(0.001)	2402224	0.00910	0.091		(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.043	6.042	(0.001)	2143214	0.00915	0.092		(R)
12 beta-BHC					CAS #: 319-85-7		
6.319	6.319	(0.000)	974988	0.01038	0.10		(R)
21 Endrin					CAS #: 72-20-8		
10.744	10.743	(0.001)	6749022	0.05026	0.50		(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
25 4,4'-DDT					CAS #: 50-29-3			
11.717	11.720	(-0.003)	11797357	0.09123	0.91			(R)
28 Methoxychlor					CAS #: 72-43-5			
12.859	12.860	(-0.001)	12652186	0.22468	2.2			(R)
29 Endrin ketone					CAS #: 53494-70-5			
13.454	13.453	(0.001)	68245	<0.0	0.0048			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.696	15.700	(-0.004)	2451335	0.02111	0.21			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\020F2001.D

Date : 28-NOV-2000 01:37

Client ID: PEM2

Sample Info: C659,,PEM2

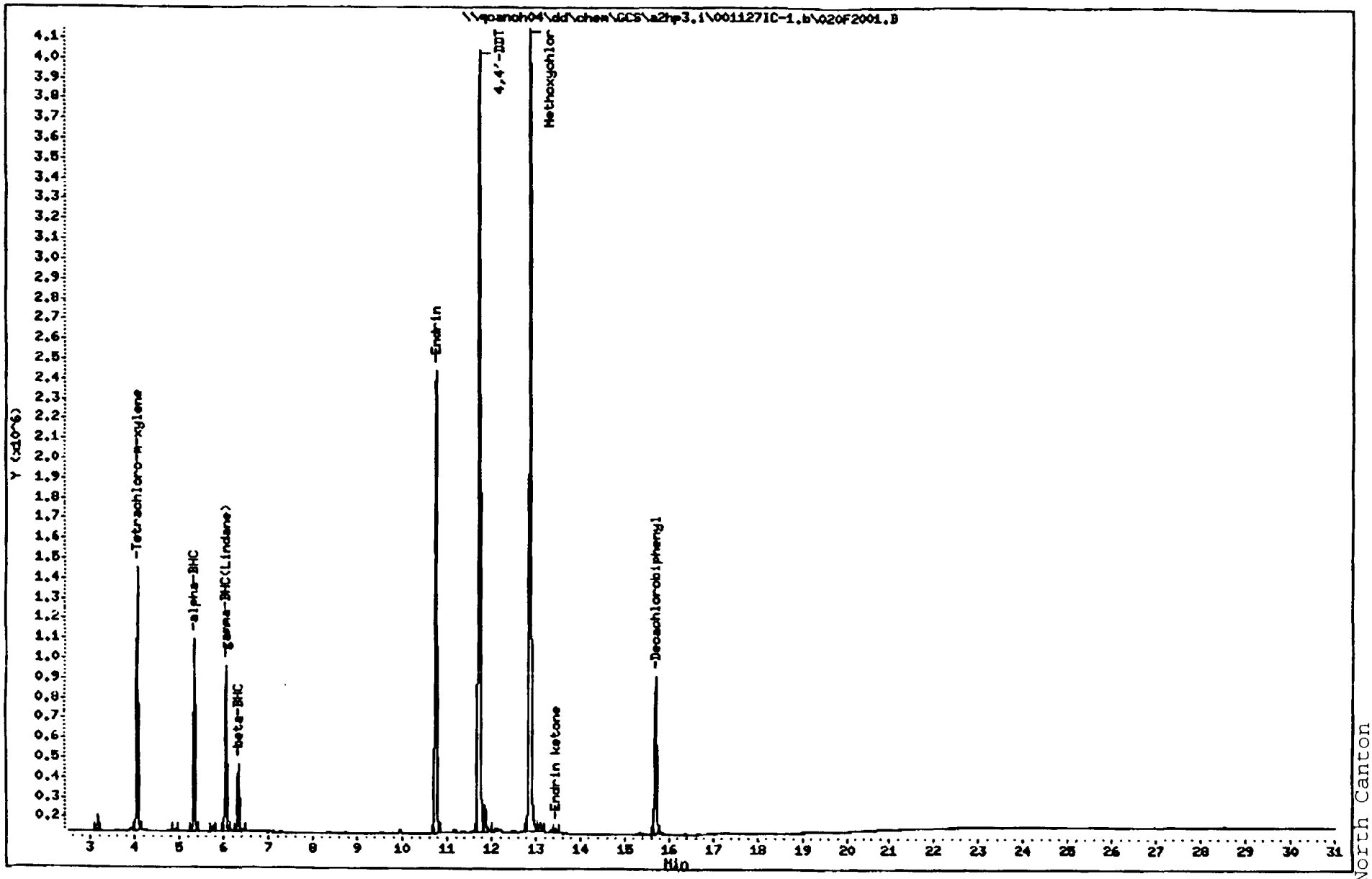
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-1.b\003F0201.D
Lab Smp Id: C659 Client Smp ID: PEM3
Inj Date : 28-NOV-2000 15:20
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM3
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	3134854	0.01892	0.19		
5 alpha-BHC					CAS #: 319-84-6		
5.323	5.321	(0.002)	2356791	0.00893	0.089		(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.045	6.042	(0.003)	2117525	0.00904	0.090		(R)
12 beta-BHC					CAS #: 319-85-7		
6.318	6.319	(-0.001)	961646	0.01024	0.10		(R)
21 Endrin					CAS #: 72-20-8		
10.747	10.743	(0.004)	6562637	0.04887	0.49		(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
25 4,4'-DDT					CAS #: 50-29-3			
11.718	11.720	(-0.002)	11462399	0.08864	0.89			(R)
28 Methoxychlor					CAS #: 72-43-5			
12.863	12.860	(0.003)	12260648	0.21773	2.2			(R)
29 Endrin ketone					CAS #: 53494-70-5			
13.453	13.453	(0.000)	78511	<0.0	0.0056			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.698	15.700	(-0.002)	2411997	0.02078	0.21			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\CCS\a2hp3.i\001128A-1.b\003F0201.D

Date : 28-NOV-2000 15:20

Client ID: PEM3

Sample Info: C659,,PEM3

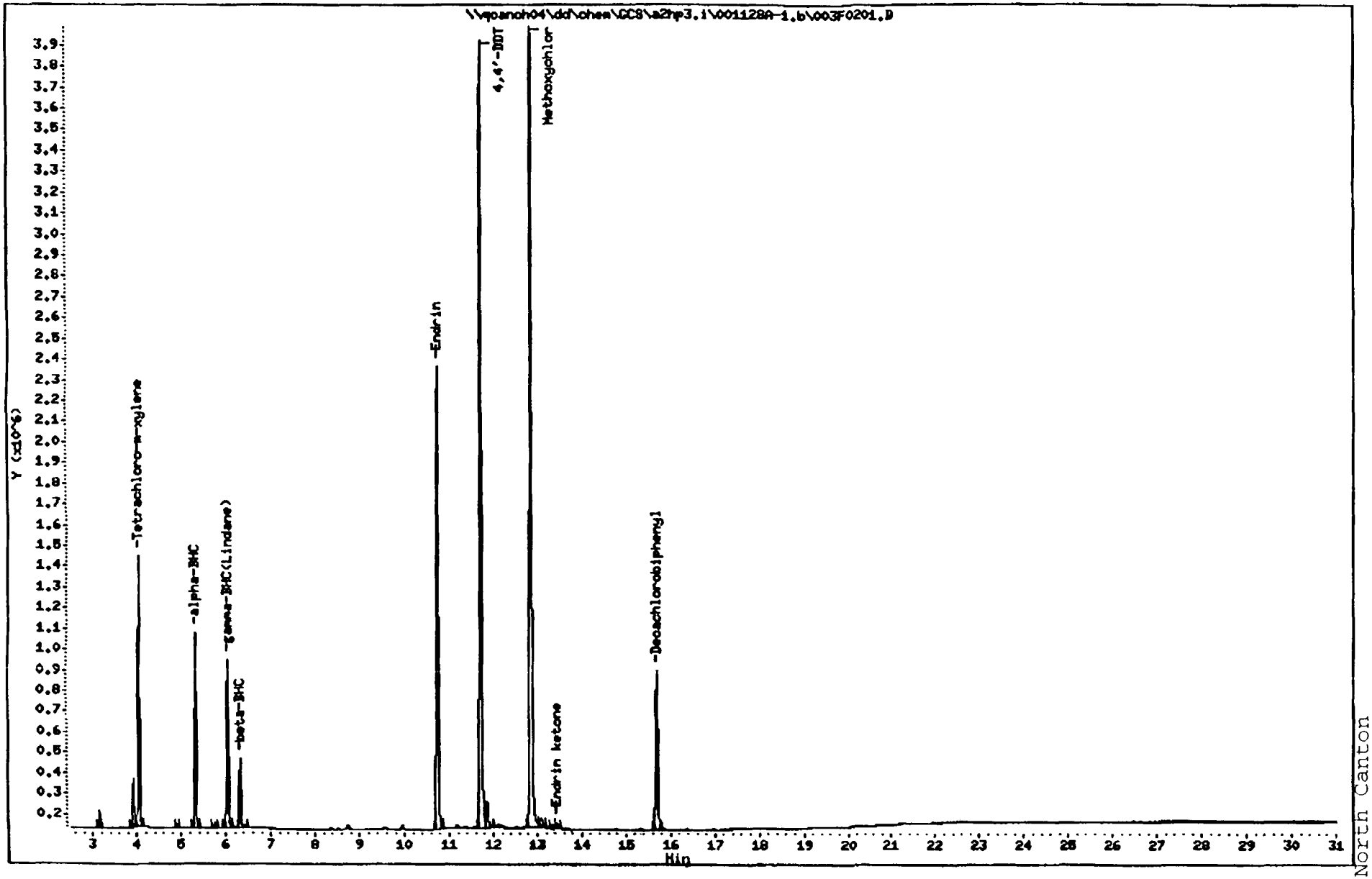
Volume Injected (uL): 1.0

Column phase: pestolpl

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\030F2901.D
Lab Smp Id: C659 Client Smp ID: PEM4
Inj Date : 29-NOV-2000 08:05
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM4
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3568257	0.02154	0.22		
5 alpha-BHC					CAS #: 319-84-6		
5.324	5.321	(0.003)	2744652	0.01040	0.10		(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.045	6.042	(0.003)	2471085	0.01055	0.10		(R)
12 beta-BHC					CAS #: 319-85-7		
6.319	6.319	(0.000)	1099856	0.01171	0.12		(R)
21 Endrin					CAS #: 72-20-8		
10.746	10.743	(0.003)	7676469	0.05717	0.57		(R)

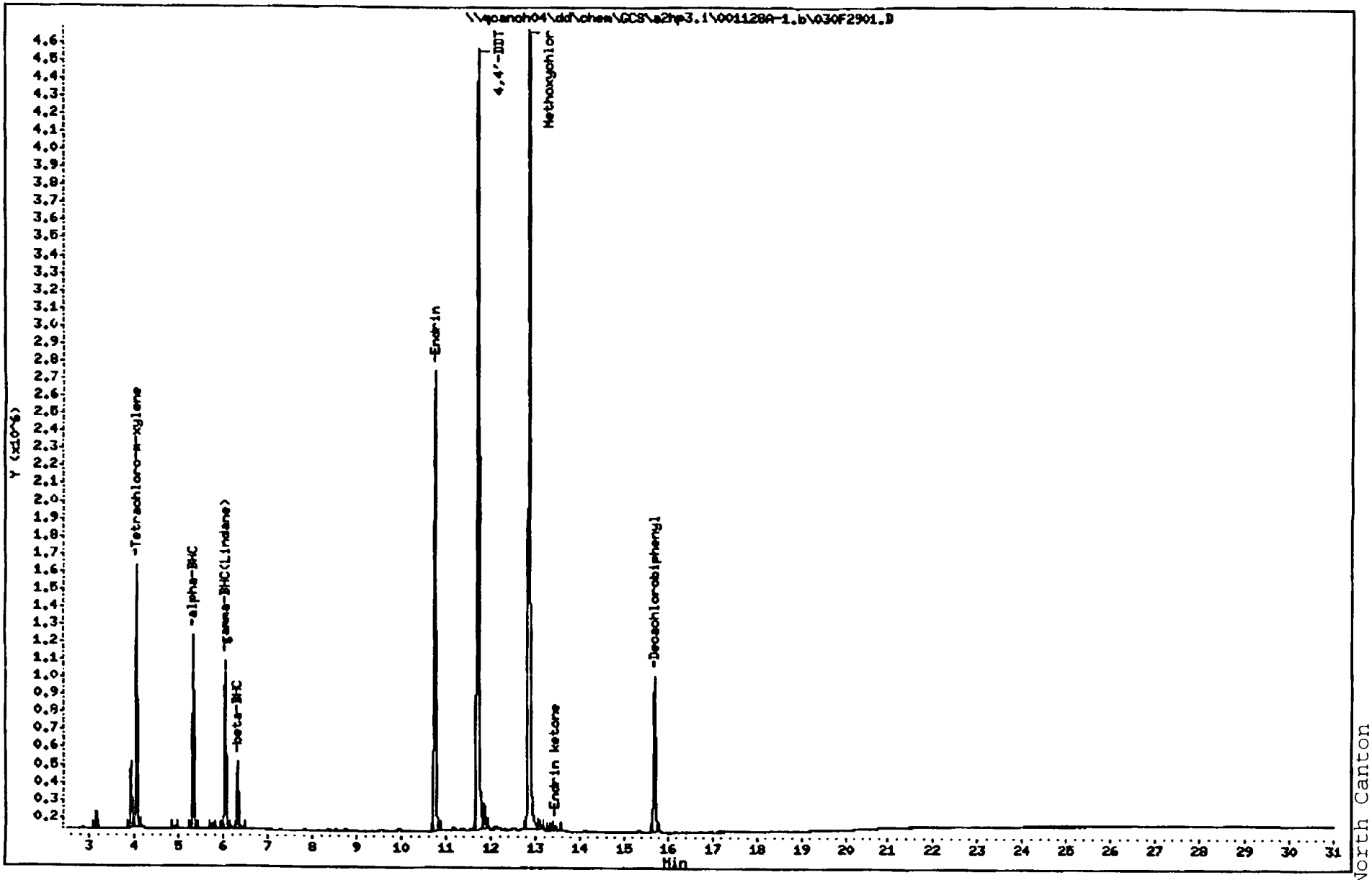
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
25 4,4'-DDT					CAS #: 50-29-3			
11.718	11.720	(-0.002)	13541087	0.10472	1.0			(R)
28 Methoxychlor					CAS #: 72-43-5			
12.863	12.860	(0.003)	14599762	0.25927	2.6			(R)
29 Endrin ketone					CAS #: 53494-70-5			
13.451	13.453	(-0.002)	104389	<0.0	0.0074			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.698	15.700	(-0.002)	2795523	0.02408	0.24			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\030F2901.D
Date : 29-NOV-2000 08:05
Client ID: PEM4
Sample Info: C659,,PEM4
Volume Injected (uL): 1.0
Column phase: pestolpl

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\005F0501.D
Lab Smp Id: C659 Client Smp ID: PEM1
Inj Date : 27-NOV-2000 16:19
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM1
Misc Info : PEM.sub,PEM.spk,3,PEM
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.169	5.170	(-0.001)	2832403	0.02005	0.20		
3 alpha-BHC					CAS #: 319-84-6		
6.763	6.761	(0.002)	2151612	0.00969	0.097		(R)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.618	7.619	(-0.001)	1966964	0.00980	0.098		(R)
7 beta-BHC					CAS #: 319-85-7		
7.900	7.900	(0.000)	877881	0.01095	0.11		(R)
20 Endrin					CAS #: 72-20-8		
12.519	12.520	(-0.001)	6231685	0.05209	0.52		(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
26 4,4'-DDT					CAS #: 50-29-3			
13.605	13.610	(-0.005)	10394456	0.09236	0.92			(R)
29 Methoxychlor					CAS #: 72-43-5			
15.113	15.113	(0.000)	11278540	0.22748	2.3			(aRM)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.918	17.920	(-0.002)	1922413	0.02159	0.22			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\005F0501.D

Page 3

Date : 27-NOV-2000 16:19

Client ID: PEM1

Instrument: a2hp3.i

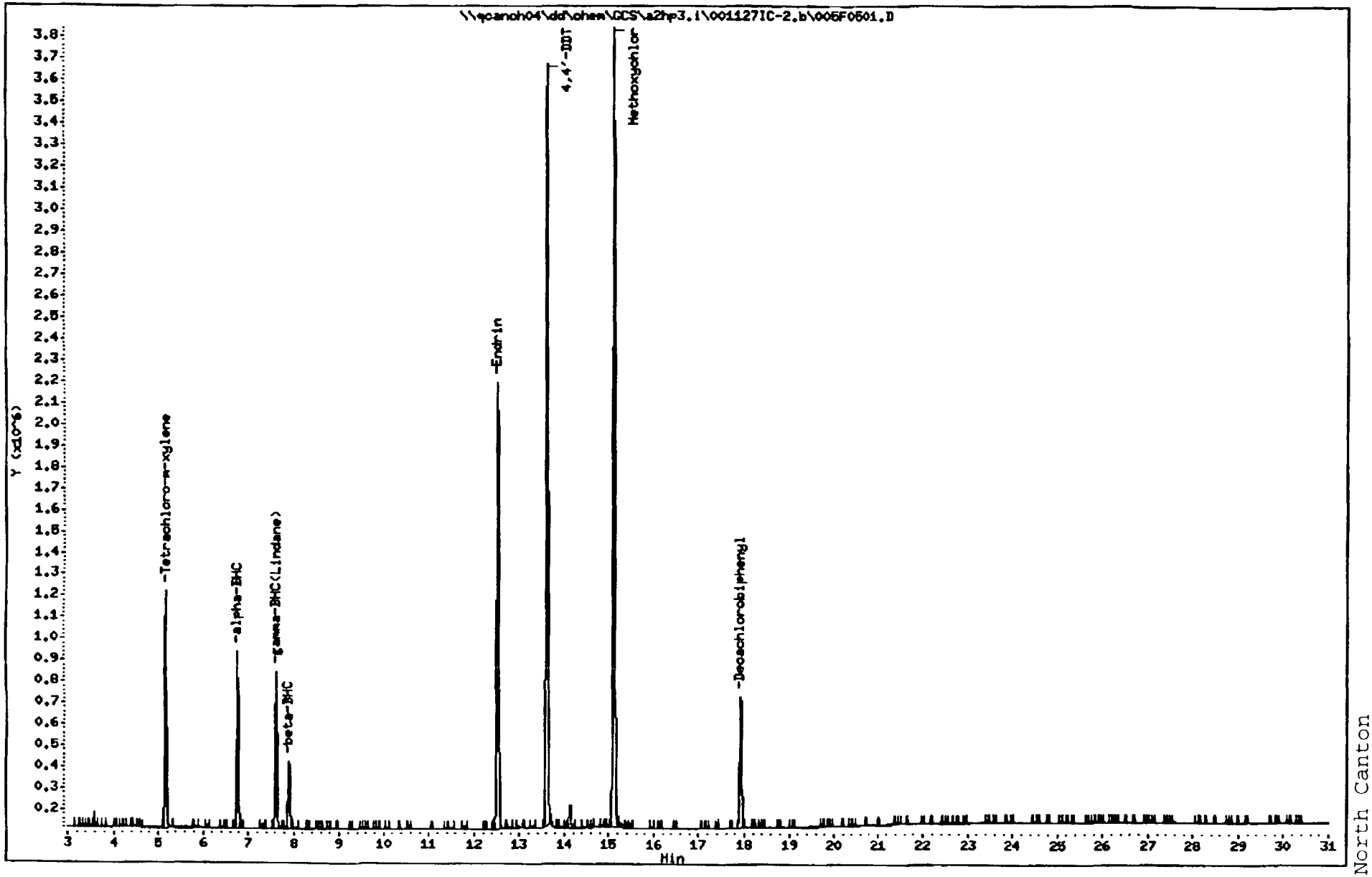
Sample Info: C659,,PEM1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\020F2001.D
Lab Smp Id: C659 Client Smp ID: PEM2
Inj Date : 28-NOV-2000 01:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM2
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 20 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	2772935	0.01963	0.20		
3 alpha-BHC					CAS #: 319-84-6		
6.763	6.761	(0.002)	2129794	0.00959	0.096		(R)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.620	7.619	(0.001)	1944925	0.00969	0.097		(R)
7 beta-BHC					CAS #: 319-85-7		
7.902	7.900	(0.002)	856670	0.01068	0.11		(R)
20 Endrin					CAS #: 72-20-8		
12.521	12.520	(0.001)	6239084	0.05215	0.52		(R)

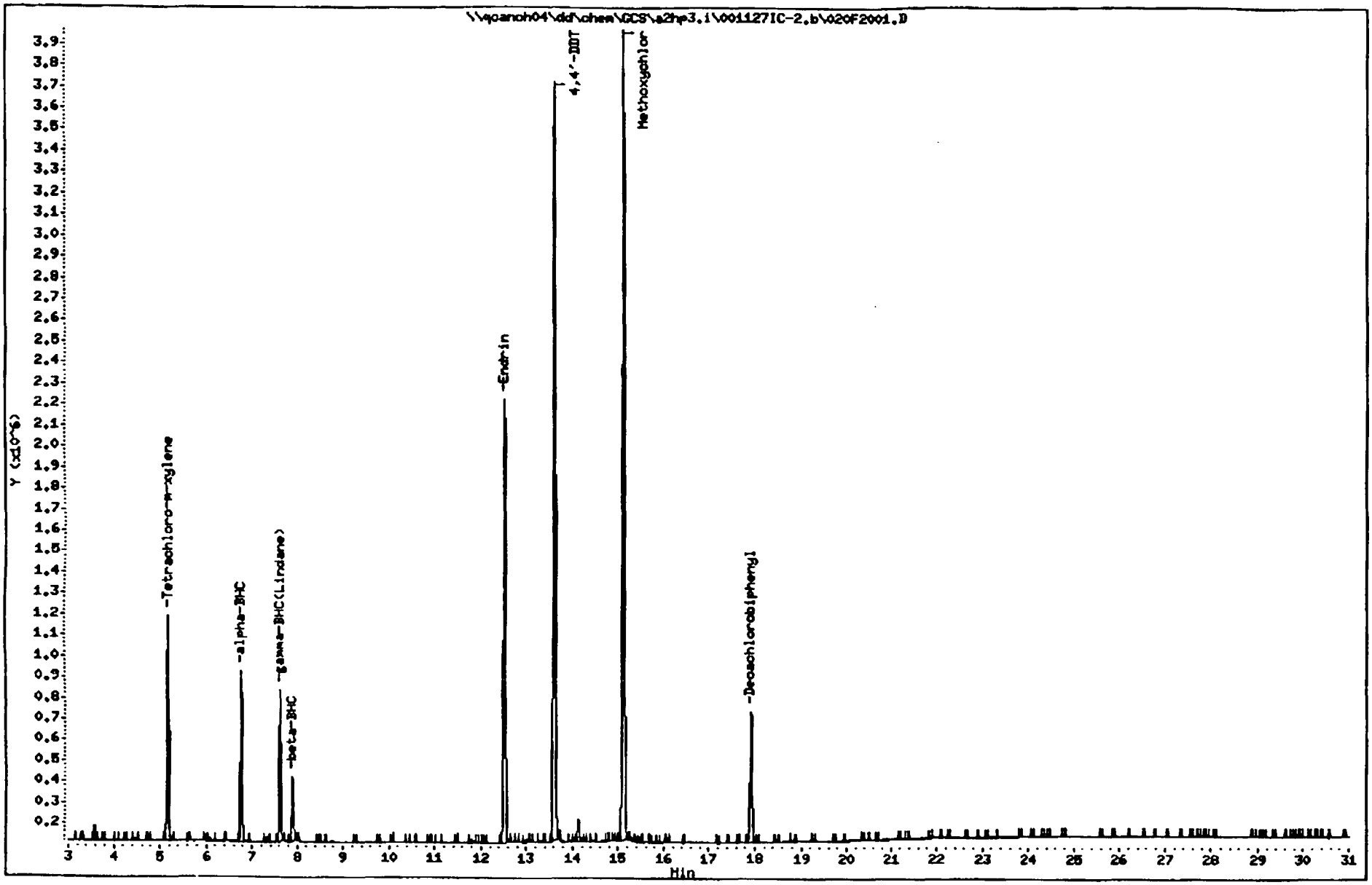
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
26 4,4'-DDT					CAS #: 50-29-3			
13.607	13.610	(-0.003)	10631536	0.09447	0.94			(R)
29 Methoxychlor					CAS #: 72-43-5			
15.112	15.113	(-0.001)	11555053	0.23306	2.3			(aRM)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.922	17.920	(0.002)	1951688	0.02192	0.22			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\020F2001.D
Date : 28-NOV-2000 01:37
Client ID: PEM2
Sample Info: C659,,PEM2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\003F0201.D
Lab Smp Id: C659 Client Smp ID: PEM3
Inj Date : 28-NOV-2000 15:20
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM3
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 3 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.171	5.170	(0.001)	2647482	0.01874	0.19			
3 alpha-BHC					CAS #: 319-84-6			
6.765	6.761	(0.004)	2005676	0.00903	0.090			(R)
5 gamma-BHC(Lindane)					CAS #: 58-89-9			
7.621	7.619	(0.002)	1845421	0.00919	0.092			(R)
7 beta-BHC					CAS #: 319-85-7			
7.902	7.900	(0.002)	826205	0.01030	0.10			(R)
20 Endrin					CAS #: 72-20-8			
12.523	12.520	(0.003)	5865753	0.04903	0.49			(R)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
26 4,4'-DDT						CAS #: 50-29-3		
13.608	13.610	(-0.002)	9951043	0.08842	0.88			(R)
29 Methoxychlor						CAS #: 72-43-5		
15.113	15.113	(0.000)	10894567	0.21973	2.2			(aRM)
# 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.922	17.920	(0.002)	1857495	0.02086	0.21			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\003F0201.D

Date : 28-NOV-2000 15:20

Client ID: PEM3

Instrument: a2hp3.i

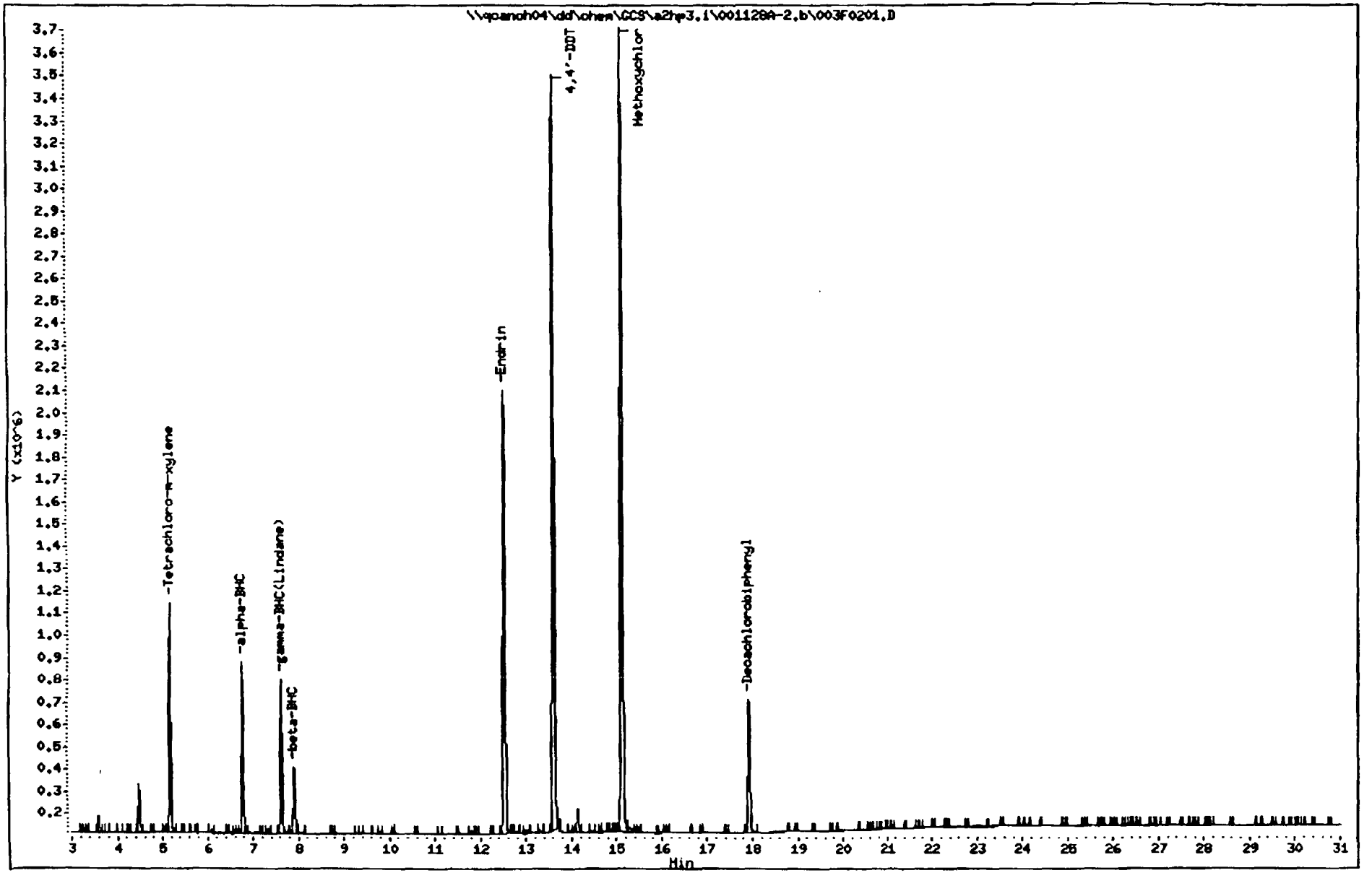
Sample Info: C659,,PEM3

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\030F2901.D
Lab Smp Id: C659 Client Smp ID: PEM4
Inj Date : 29-NOV-2000 08:05
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C659,,PEM4
Misc Info : PEM.SUB,PEM.SPK,3,PEM,
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 30 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEM.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2988515	0.02115	0.21		
3 alpha-BHC					CAS #: 319-84-6		
6.763	6.761	(0.002)	2268176	0.01022	0.10		(R)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.620	7.619	(0.001)	2086553	0.01039	0.10		(R)
7 beta-BHC					CAS #: 319-85-7		
7.901	7.900	(0.001)	919225	0.01146	0.11		(R)
20 Endrin					CAS #: 72-20-8		
12.521	12.520	(0.001)	6688139	0.05590	0.56		(R)

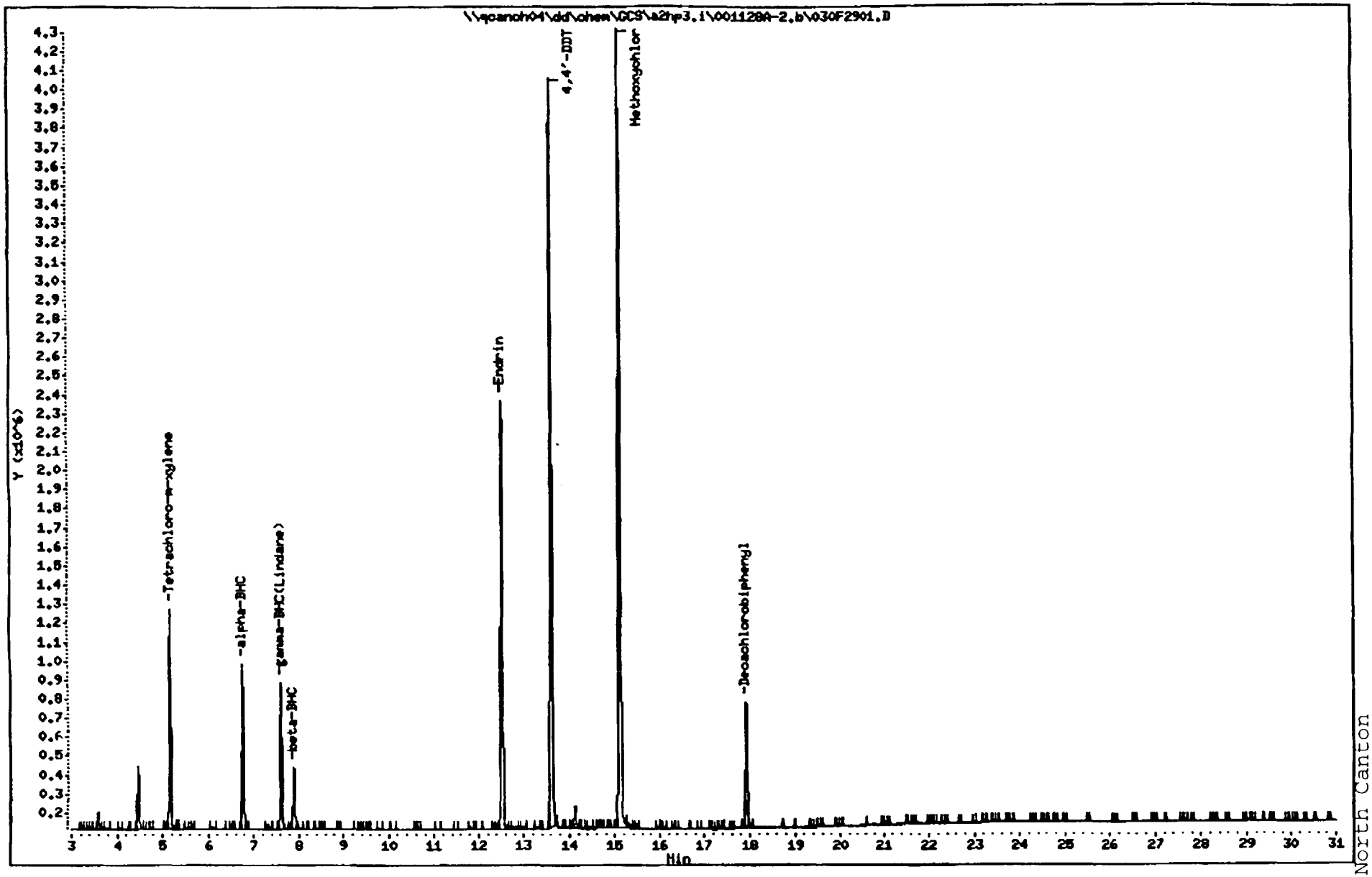
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
26 4,4'-DDT					CAS #: 50-29-3			
13.607	13.610	(-0.003)	11542393	0.10256	1.0			(R)
29 Methoxychlor					CAS #: 72-43-5			
15.113	15.113	(0.000)	12766812	0.25750	2.6			(aR)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.923	17.920	(0.003)	2103148	0.02362	0.24			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\030F2901.D
Date : 29-NOV-2000 08:05
Client ID: PEM4
Sample Info: C689,,PEM4
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\013F1301.D
Lab Smp Id: C616 Client Smp ID: INDAL1
Inj Date : 27-NOV-2000 21:17
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C616,,INDAL1,1
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 21:17 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	843270	0.00500			
5 alpha-BHC					CAS #: 319-84-6		
5.322	5.321	(0.001)	1199434	0.00500			(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.043	6.042	(0.001)	1091352	0.00500			(a)
9 Heptachlor					CAS #: 76-44-8		
7.071	7.071	(0.000)	1020591	0.00500			(a)
15 Endosulfan I					CAS #: 959-98-8		
9.801	9.801	(0.000)	835249	0.00500			(a)

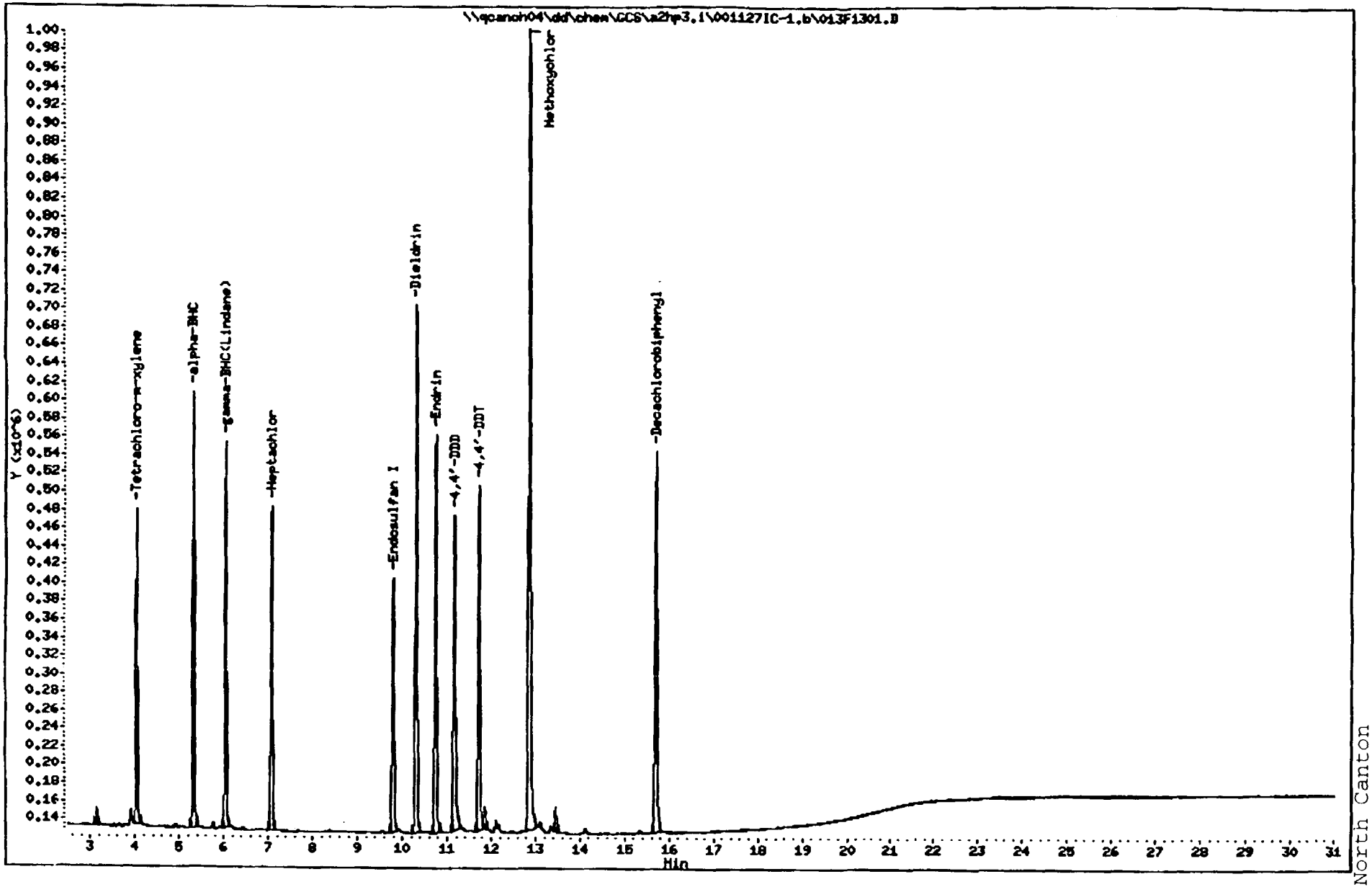
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
19 Dieldrin					CAS #: 60-57-1			
10.312	10.310	(0.002)	1689913	0.01000				(a)
21 Endrin					CAS #: 72-20-8			
10.744	10.743	(0.001)	1282187	0.01000				(a)
24 4,4'-DDD					CAS #: 72-54-8			
11.165	11.166	(-0.001)	1123499	0.01000				(a)
25 4,4'-DDT					CAS #: 50-29-3			
11.716	11.720	(-0.004)	1180011	0.01000				(a)
28 Methoxychlor					CAS #: 72-43-5			
12.861	12.860	(0.001)	2837084	0.05000				(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.696	15.700	(-0.004)	1347798	0.01000				

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\013F1301.D
Date : 27-NOV-2000 21:17
Client ID: INDAL1
Sample Info: C616,,INDAL1,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\015F1501.D
Lab Smp Id: C656 Client Smp ID: INDAM1
Inj Date : 27-NOV-2000 22:31
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM1,2
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 22:31 Cal File: 015F1501.D
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

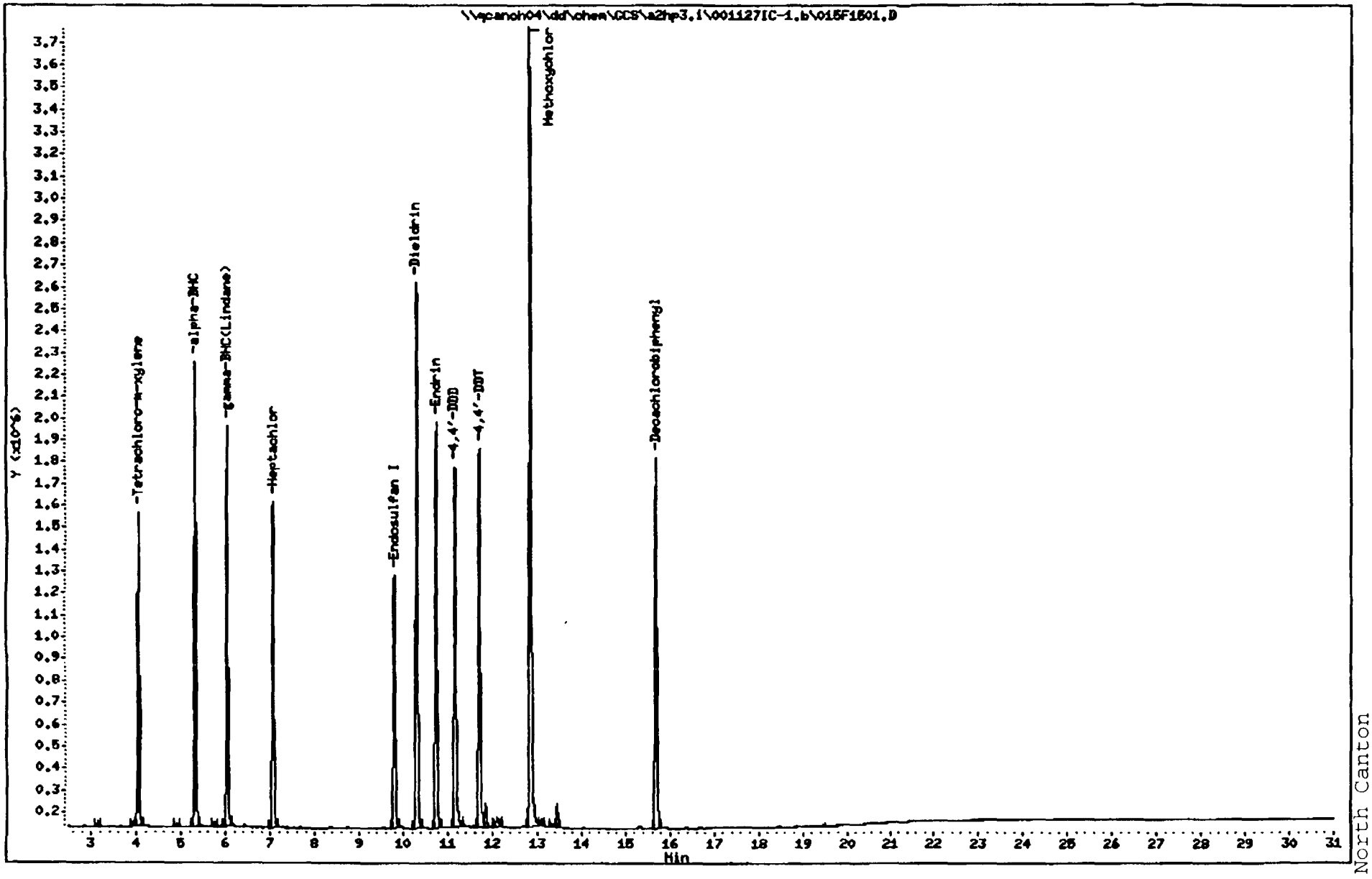
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.043	4.042	(0.001)	3432484	0.02000	0.020		
5 alpha-BHC						CAS #: 319-84-6	
5.323	5.321	(0.002)	5279846	0.02000	0.020		
7 gamma-BHC(Lindane)						CAS #: 58-89-9	
6.043	6.042	(0.001)	4682977	0.02000	0.020		
9 Heptachlor						CAS #: 76-44-8	
7.071	7.071	(0.000)	4201797	0.02000	0.020		
15 Endosulfan I						CAS #: 959-98-8	
9.802	9.801	(0.001)	3378975	0.02000	0.020		

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
19 Dieldrin						CAS #: 60-57-1	
10.312	10.310	(0.002)	7176715	0.04000	0.040		
21 Endrin						CAS #: 72-20-8	
10.743	10.743	(0.000)	5371397	0.04000	0.040		
24 4,4'-DDD						CAS #: 72-54-8	
11.165	11.166	(-0.001)	5053746	0.04000	0.040		
25 4,4'-DDT						CAS #: 50-29-3	
11.715	11.720	(-0.005)	5172481	0.04000	0.040		
28 Methoxychlor						CAS #: 72-43-5	
12.859	12.860	(-0.001)	11262334	0.20000	0.20		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.696	15.700	(-0.004)	5214506	0.04000	0.040		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\015F1501.D
Date : 27-NOV-2000 22:31
Client ID: INDAH1
Sample Info: C656,,INDAH1,2
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\017F1701.D
Lab Smp Id: C620 Client Smp ID: INDAH1
Inj Date : 27-NOV-2000 23:46
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C620,,INDAH1,3
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 23:46 Cal File: 017F1701.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

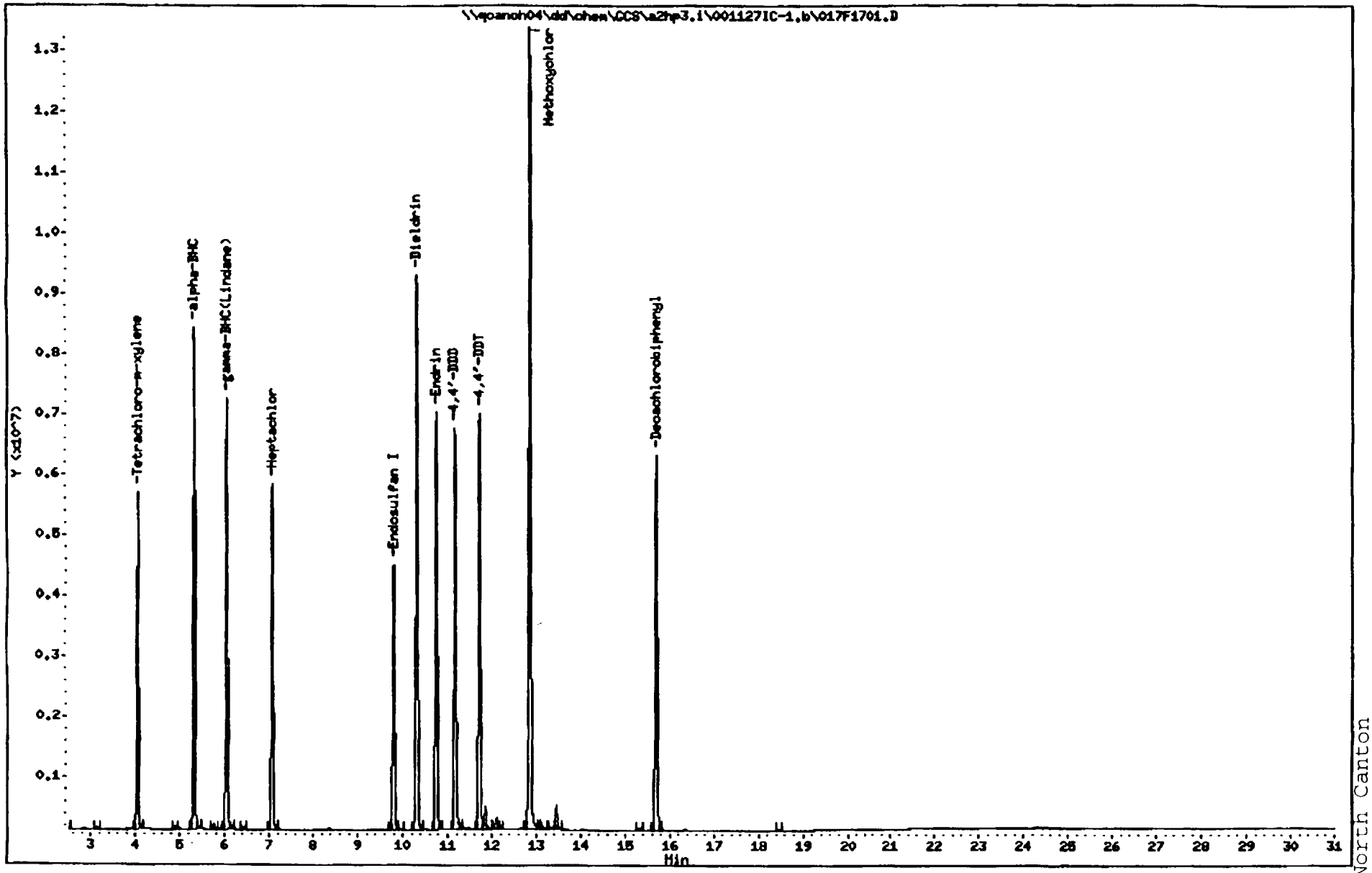
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.043	4.042	(0.001)	13040841	0.08000	0.079		
5 alpha-BHC						CAS #: 319-84-6	
5.323	5.321	(0.002)	20957702	0.08000	0.079		
7 gamma-BHC(Lindane)						CAS #: 58-89-9	
6.043	6.042	(0.001)	18703685	0.08000	0.080		
9 Heptachlor						CAS #: 76-44-8	
7.071	7.071	(0.000)	16283088	0.08000	0.078		
15 Endosulfan I						CAS #: 959-98-8	
9.802	9.801	(0.001)	12987287	0.08000	0.077		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin						CAS #: 60-57-1	
10.312	10.310	(0.002)	27323986	0.16000	0.15		
21 Endrin						CAS #: 72-20-8	
10.745	10.743	(0.002)	20519453	0.16000	0.15		
24 4,4'-DDD						CAS #: 72-54-8	
11.163	11.166	(-0.003)	20108271	0.16000	0.16		
25 4,4'-DDT						CAS #: 50-29-3	
11.716	11.720	(-0.004)	20443136	0.16000	0.16		
28 Methoxychlor						CAS #: 72-43-5	
12.859	12.860	(-0.001)	40269808	0.80000	0.72		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.694	15.700	(-0.006)	18816268	0.16000	0.16		

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\017F1701.D
Date : 27-NOV-2000 23:46
Client ID: INDAH1
Sample Info: C620,,INDAH1,3
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\014F1401.D
Lab Smp Id: C617 Client Smp ID: INDBL1
Inj Date : 27-NOV-2000 21:54
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C617,,INDBL1,1
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 21:54 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
10 Aldrin					CAS #: 309-00-2			
7.678	7.679	(-0.001)	952013	0.00500				(a)
12 beta-BHC					CAS #: 319-85-7			
6.317	6.319	(-0.002)	481840	0.00500				(a)
13 delta-BHC					CAS #: 319-86-8			
6.659	6.660	(-0.001)	1028659	0.00500				(a)
14 Heptachlor epoxide					CAS #: 1024-57-3			
9.032	9.031	(0.001)	885903	0.00500				(a)
16 gamma-Chlordane					CAS #: 5103-74-2			
9.298	9.299	(-0.001)	882631	0.00500				(a)

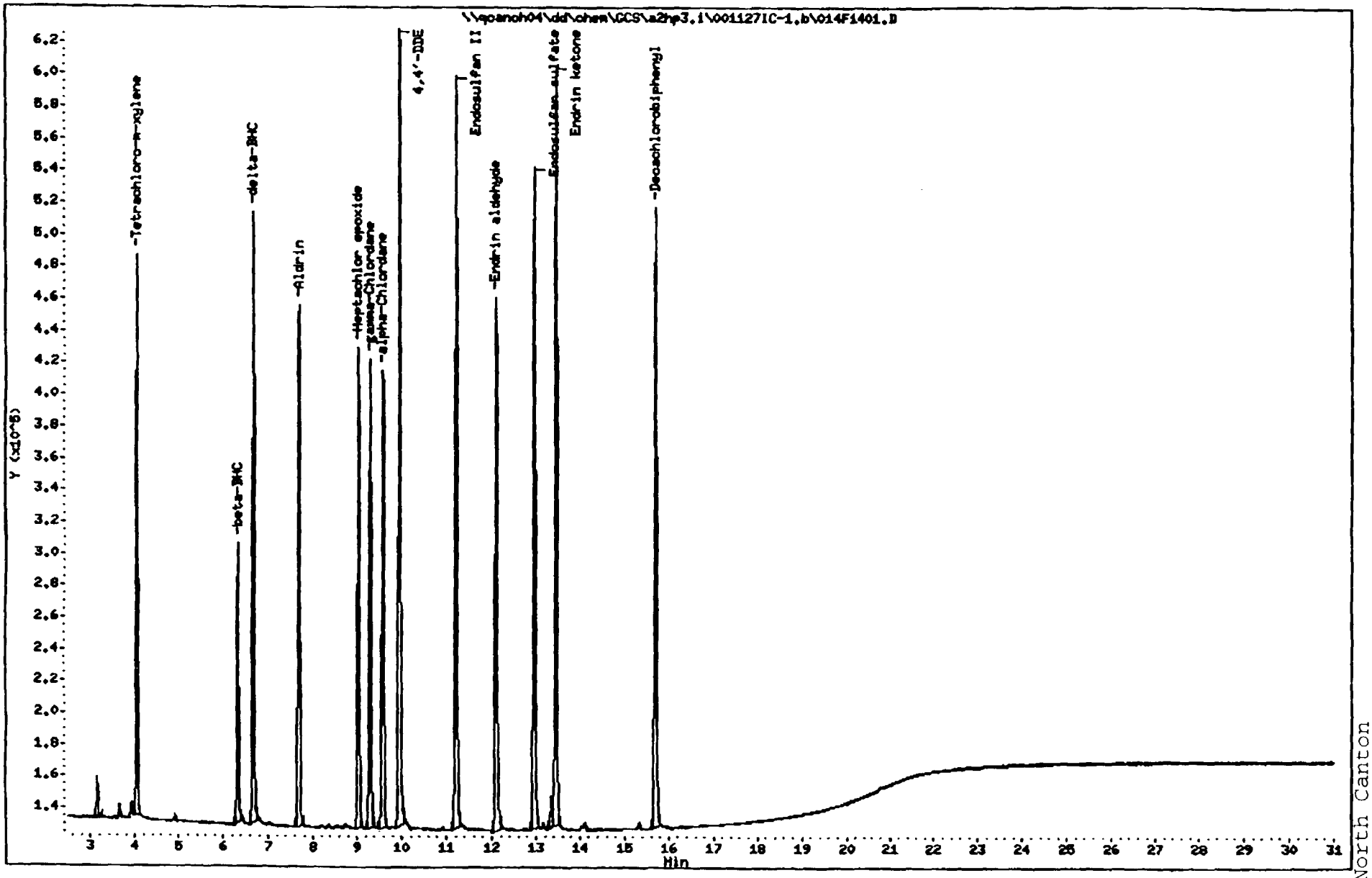
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
17 alpha-Chlordane						CAS #: 5103-71-9		
9.584	9.582	(0.002)	868479	0.00500				(a)
18 4,4'-DDE						CAS #: 72-55-9		
9.948	9.949	(-0.001)	1523473	0.01000				(a)
23 Endosulfan II						CAS #: 33213-65-9		
11.215	11.213	(0.002)	1415691	0.01000				(a)
26 Endrin aldehyde						CAS #: 7421-93-4		
12.099	12.100	(-0.001)	1042039	0.01000				(a)
27 Endosulfan sulfate						CAS #: 1031-07-8		
12.964	12.966	(-0.002)	1255366	0.01000				(a)
29 Endrin ketone						CAS #: 53494-70-5		
13.455	13.453	(0.002)	1389608	0.01000				(a)
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
4.042	4.042	(0.000)	834472	0.00500				
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
15.696	15.700	(-0.004)	1235555	0.01000				

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\014F1401.D
Date : 27-NOV-2000 21:54
Client ID: INDBL1
Sample Info: C617,,INDBL1,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\016F1601.D
Lab Smp Id: C657 Client Smp ID: INDBM1
Inj Date : 27-NOV-2000 23:08
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM1,2
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 23:08 Cal File: 016F1601.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin						CAS #: 309-00-2	
7.678	7.679	(-0.001)	3928264	0.02000	0.020		
12 beta-BHC						CAS #: 319-85-7	
6.317	6.319	(-0.002)	1878325	0.02000	0.020		
13 delta-BHC						CAS #: 319-86-8	
6.659	6.660	(-0.001)	4473615	0.02000	0.020		
14 Heptachlor epoxide						CAS #: 1024-57-3	
9.033	9.031	(0.002)	3516706	0.02000	0.020		
16 gamma-Chlordane						CAS #: 5103-74-2	
9.299	9.299	(0.000)	3548409	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane						CAS #: 5103-71-9	
9.583	9.582	(0.001)	3427979	0.02000	0.020		
18 4,4'-DDE						CAS #: 72-55-9	
9.948	9.949	(-0.001)	6557625	0.04000	0.040		
23 Endosulfan II						CAS #: 33213-65-9	
11.213	11.213	(0.000)	5657563	0.04000	0.040		
26 Endrin aldehyde						CAS #: 7421-93-4	
12.098	12.100	(-0.002)	4151919	0.04000	0.040		
27 Endosulfan sulfate						CAS #: 1031-07-8	
12.965	12.966	(-0.001)	5040505	0.04000	0.040		
29 Endrin ketone						CAS #: 53494-70-5	
13.452	13.453	(-0.001)	5618183	0.04000	0.040		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.043	4.042	(0.001)	3313362	0.02000	0.020		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.696	15.700	(-0.004)	4644022	0.04000	0.040		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\016F1601.D

Date : 27-NOV-2000 23:08

Client ID: INDBH1

Sample Info: C657,,INDBH1,2

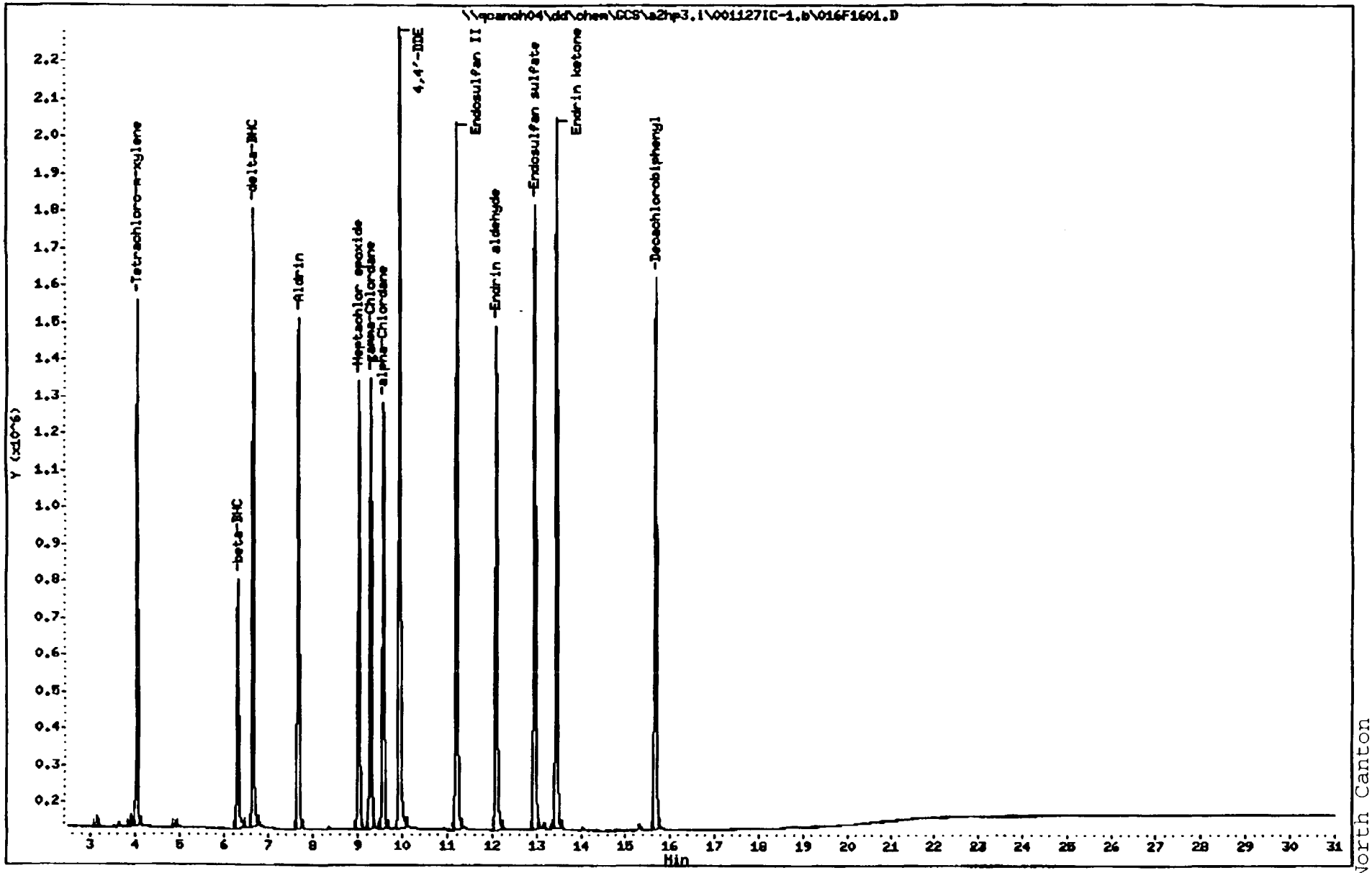
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\018F1801.D
Lab Smp Id: C621 Client Smp ID: INDBH1
Inj Date : 28-NOV-2000 00:23
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C621,,INDBH1,3
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.679	7.679	(0.000)	15221715	0.08000	0.077		
12 beta-BHC					CAS #: 319-85-7		
6.318	6.319	(-0.001)	6885912	0.08000	0.073		
13 delta-BHC					CAS #: 319-86-8		
6.660	6.660	(0.000)	17679626	0.08000	0.079		
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.034	9.031	(0.003)	13286143	0.08000	0.076		
16 gamma-Chlordane					CAS #: 5103-74-2		
9.299	9.299	(0.000)	13873586	0.08000	0.078		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane						CAS #: 5103-71-9	
9.583	9.582	(0.001)	13137677	0.08000	0.077		
18 4,4'-DDE						CAS #: 72-55-9	
9.948	9.949	(-0.001)	25669065	0.16000	0.16		
23 Endosulfan II						CAS #: 33213-65-9	
11.214	11.213	(0.001)	21519017	0.16000	0.15		
26 Endrin aldehyde						CAS #: 7421-93-4	
12.099	12.100	(-0.001)	15817156	0.16000	0.15		
27 Endosulfan sulfate						CAS #: 1031-07-8	
12.965	12.966	(-0.001)	19191233	0.16000	0.15		
29 Endrin ketone						CAS #: 53494-70-5	
13.453	13.453	(0.000)	20894032	0.16000	0.15		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.043	4.042	(0.001)	12292775	0.08000	0.074		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.696	15.700	(-0.004)	17193311	0.16000	0.15		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\018F1801.D

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Date : 28-NOV-2000 00:23

Client ID: INDBH1

Instrument: a2hp3.i

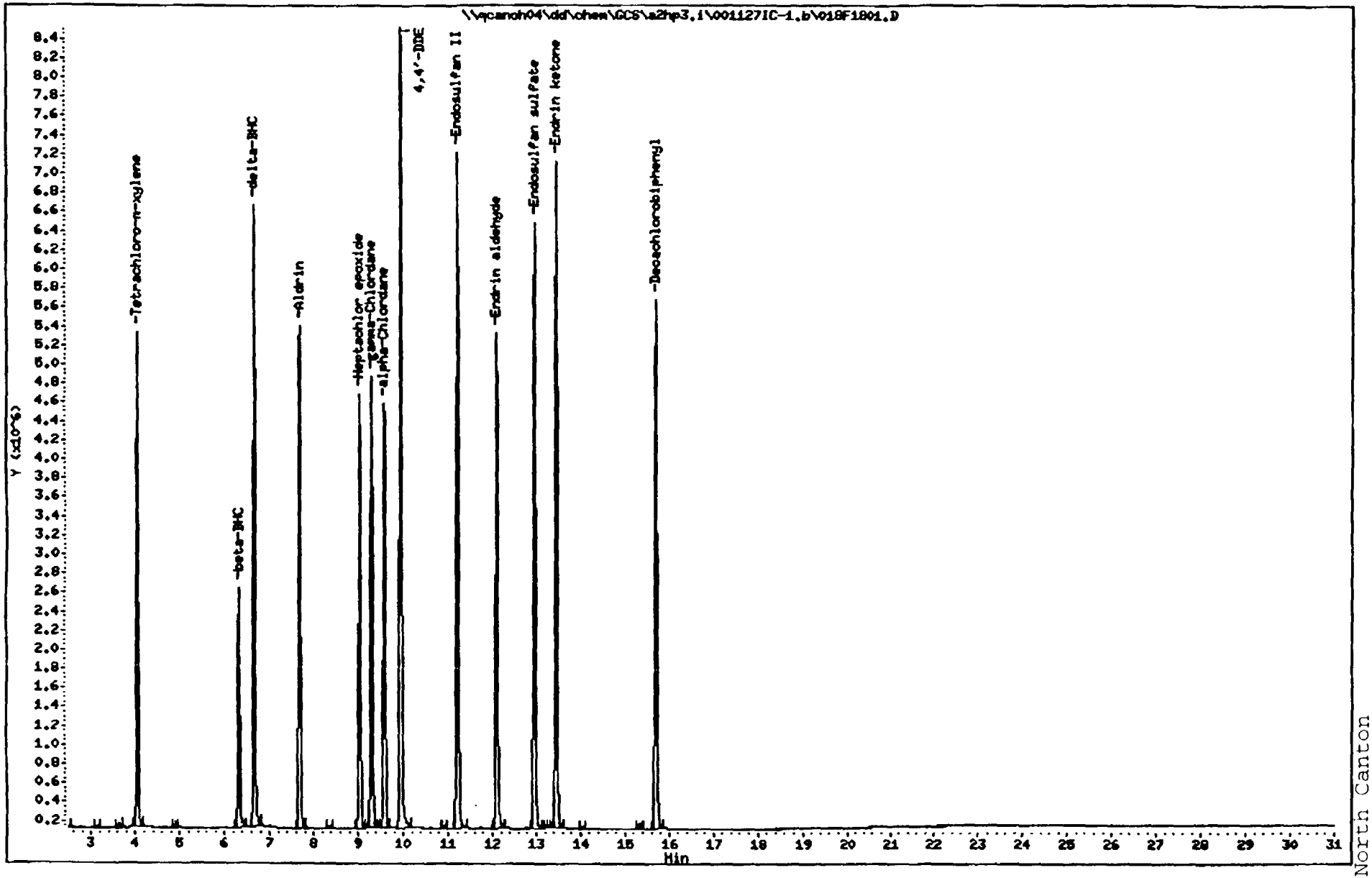
Sample Info: C621,,INDBH1,3

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\013F1301.D
Lab Smp Id: C616 Client Smp ID: INDAL1
Inj Date : 27-NOV-2000 21:17
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C616,,INDAL1,1
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 21:17 Cal File: 013F1301.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	730384	0.00500			
3 alpha-BHC					CAS #: 319-84-6		
6.763	6.761	(0.002)	1035864	0.00500			(a)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.619	7.619	(0.000)	957097	0.00500			(a)
11 Heptachlor					CAS #: 76-44-8		
8.569	8.569	(0.000)	863726	0.00500			(a)
15 Endosulfan I					CAS #: 959-98-8		
11.336	11.340	(-0.004)	713879	0.00500			(a)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
18 Dieldrin					CAS #: 60-57-1			
11.919	11.920	(-0.001)	1449968	0.01000				(a)
20 Endrin					CAS #: 72-20-8			
12.520	12.520	(0.000)	1147786	0.01000				(a)
23 4,4'-DDD					CAS #: 72-54-8			
12.991	12.990	(0.001)	1026894	0.01000				(a)
26 4,4'-DDT					CAS #: 50-29-3			
13.606	13.610	(-0.004)	1055313	0.01000				(a)
29 Methoxychlor					CAS #: 72-43-5			
15.111	15.113	(-0.002)	2464543	0.05000				(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.920	17.920	(0.000)	1037369	0.01000				

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\013F1301.D

Date : 27-NOV-2000 21:17

Client ID: INDAL1

Instrument: a2hp3.i

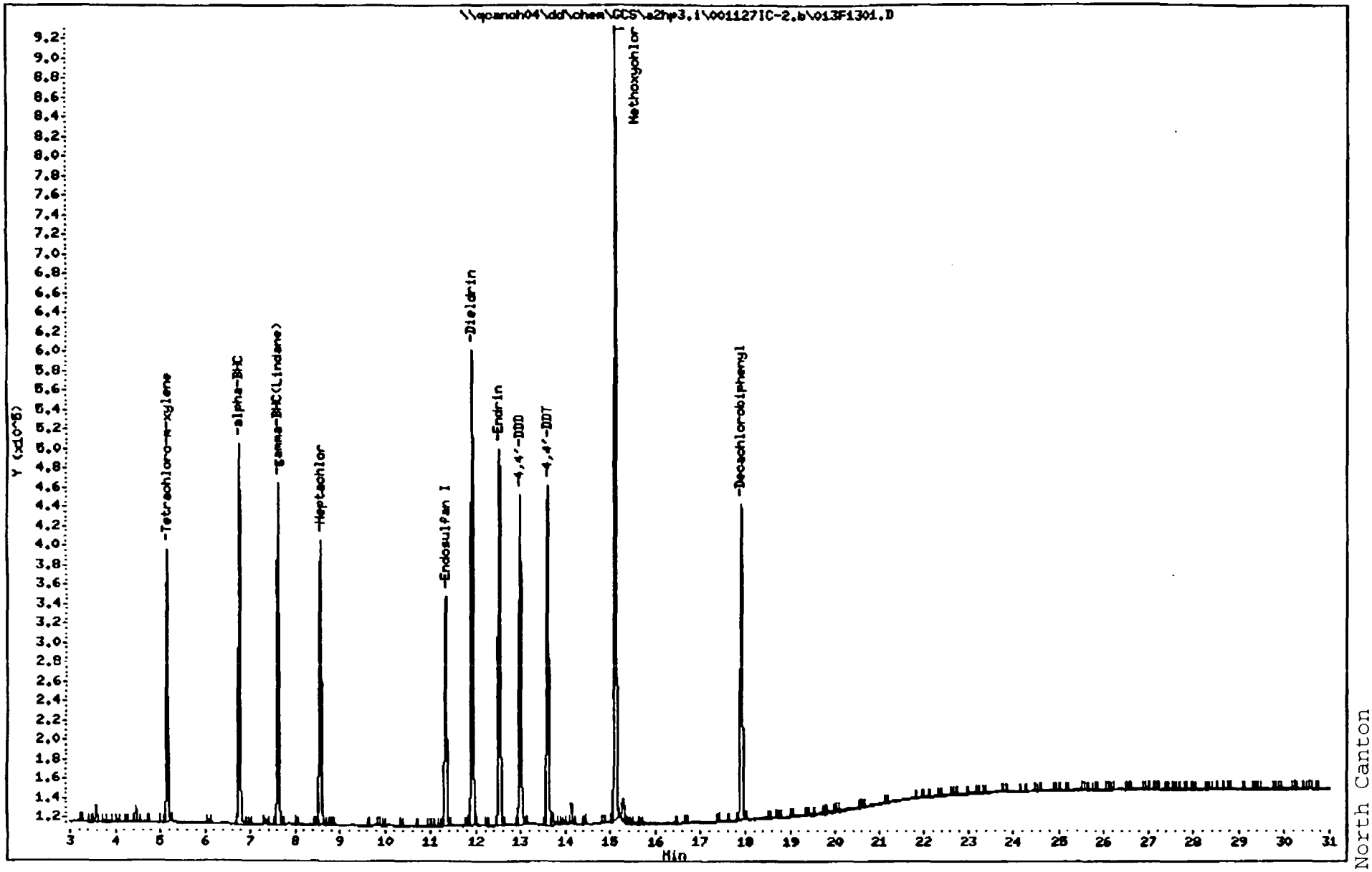
Sample Info: C616,,INDAL1,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\015F1501.D
Lab Smp Id: C656 Client Smp ID: INDAM1
Inj Date : 27-NOV-2000 22:31
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM1,2
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 22:31 Cal File: 015F1501.D
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2880129	0.02000	0.020		
3 alpha-BHC					CAS #: 319-84-6		
6.762	6.761	(0.001)	4439983	0.02000	0.020		
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.618	7.619	(-0.001)	4016142	0.02000	0.020		
11 Heptachlor					CAS #: 76-44-8		
8.567	8.569	(-0.002)	3576868	0.02000	0.020		
15 Endosulfan I					CAS #: 959-98-8		
11.337	11.340	(-0.003)	2849933	0.02000	0.020		

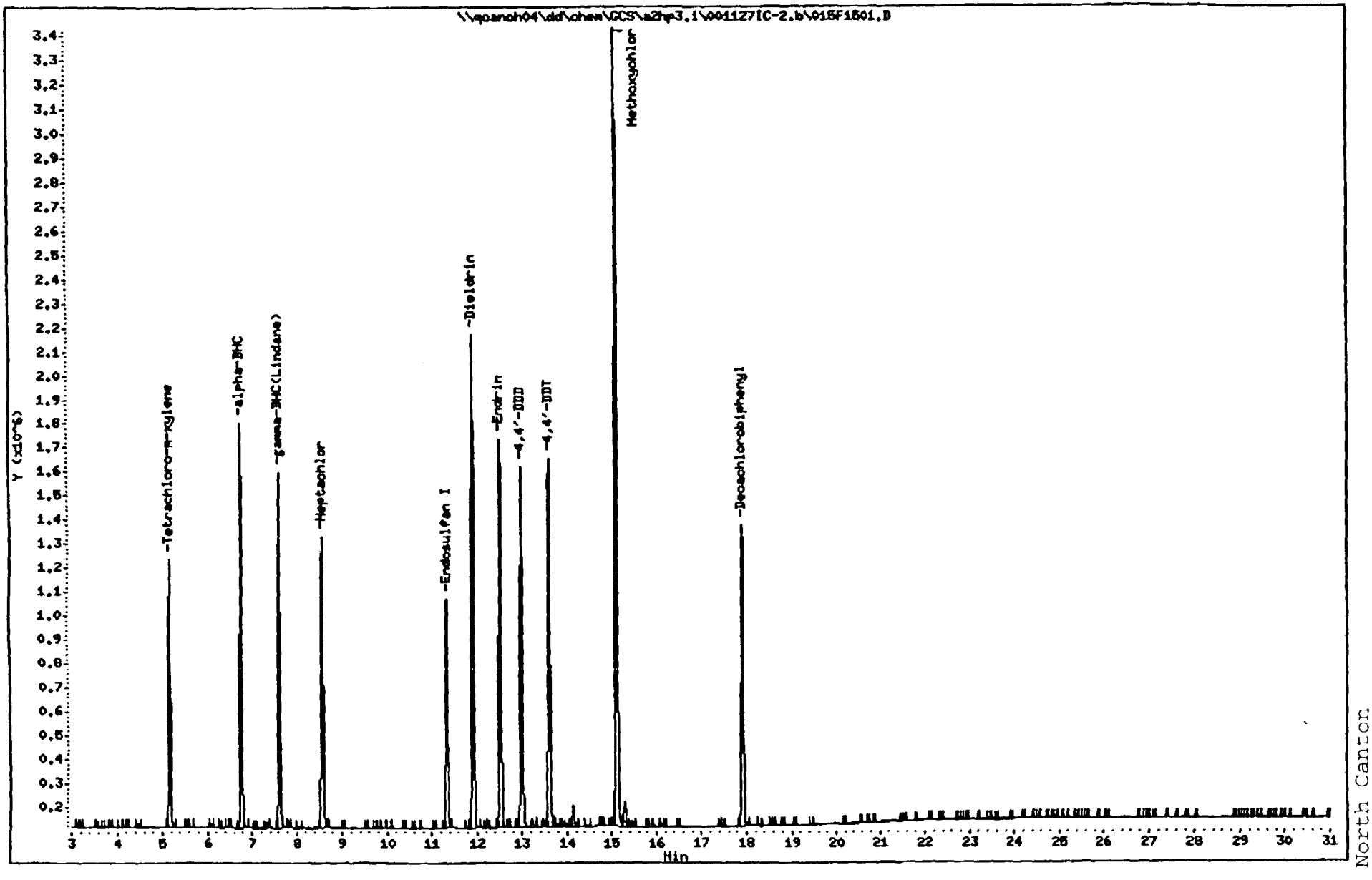
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
18 Dieldrin						CAS #: 60-57-1		
11.918	11.920	(-0.002)	6072947	0.04000	0.040			
20 Endrin						CAS #: 72-20-8		
12.520	12.520	(0.000)	4785428	0.04000	0.040			
23 4,4'-DDD						CAS #: 72-54-8		
12.989	12.990	(-0.001)	4446705	0.04000	0.040			
26 4,4'-DDT						CAS #: 50-29-3		
13.606	13.610	(-0.004)	4501713	0.04000	0.040			
29 Methoxychlor						CAS #: 72-43-5		
15.112	15.113	(-0.001)	9916132	0.20000	0.20			(a)
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.919	17.920	(-0.001)	3910247	0.04000	0.040			

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\CCS\a2hp3.i\001127IC-2.b\015F1501.D
Date : 27-NOV-2000 22:31
Client ID: INDAH1
Sample Info: C656,,INDAH1,2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\017F1701.D
Lab Smp Id: C620 Client Smp ID: INDAH1
Inj Date : 27-NOV-2000 23:46
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C620,,INDAH1,3
Misc Info : INDA.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 23:46 Cal File: 017F1701.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.169	5.170	(-0.001)	11111774	0.08000	0.079		
3 alpha-BHC						CAS #: 319-84-6	
6.763	6.761	(0.002)	17617087	0.08000	0.080		
8 gamma-BHC(Lindane)						CAS #: 58-89-9	
7.620	7.619	(0.001)	16055880	0.08000	0.080		
11 Heptachlor						CAS #: 76-44-8	
8.568	8.569	(-0.001)	14200427	0.08000	0.079		
15 Endosulfan I						CAS #: 959-98-8	
11.338	11.340	(-0.002)	11177126	0.08000	0.078		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.918	11.920	(-0.002)	23701885	0.16000	0.16		
20 Endrin					CAS #: 72-20-8		
12.520	12.520	(0.000)	18786910	0.16000	0.16		
23 4,4'-DDD					CAS #: 72-54-8		
12.990	12.990	(0.000)	17828021	0.16000	0.16		
26 4,4'-DDT					CAS #: 50-29-3		
13.605	13.610	(-0.005)	18278959	0.16000	0.16		
29 Methoxychlor					CAS #: 72-43-5		
15.112	15.113	(-0.001)	37351778	0.80000	0.75		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	14264699	0.16000	0.16		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\017F1701.D

Page 3

Date : 27-NOV-2000 23:46

Client ID: INDAH1

Instrument: a2hp3.i

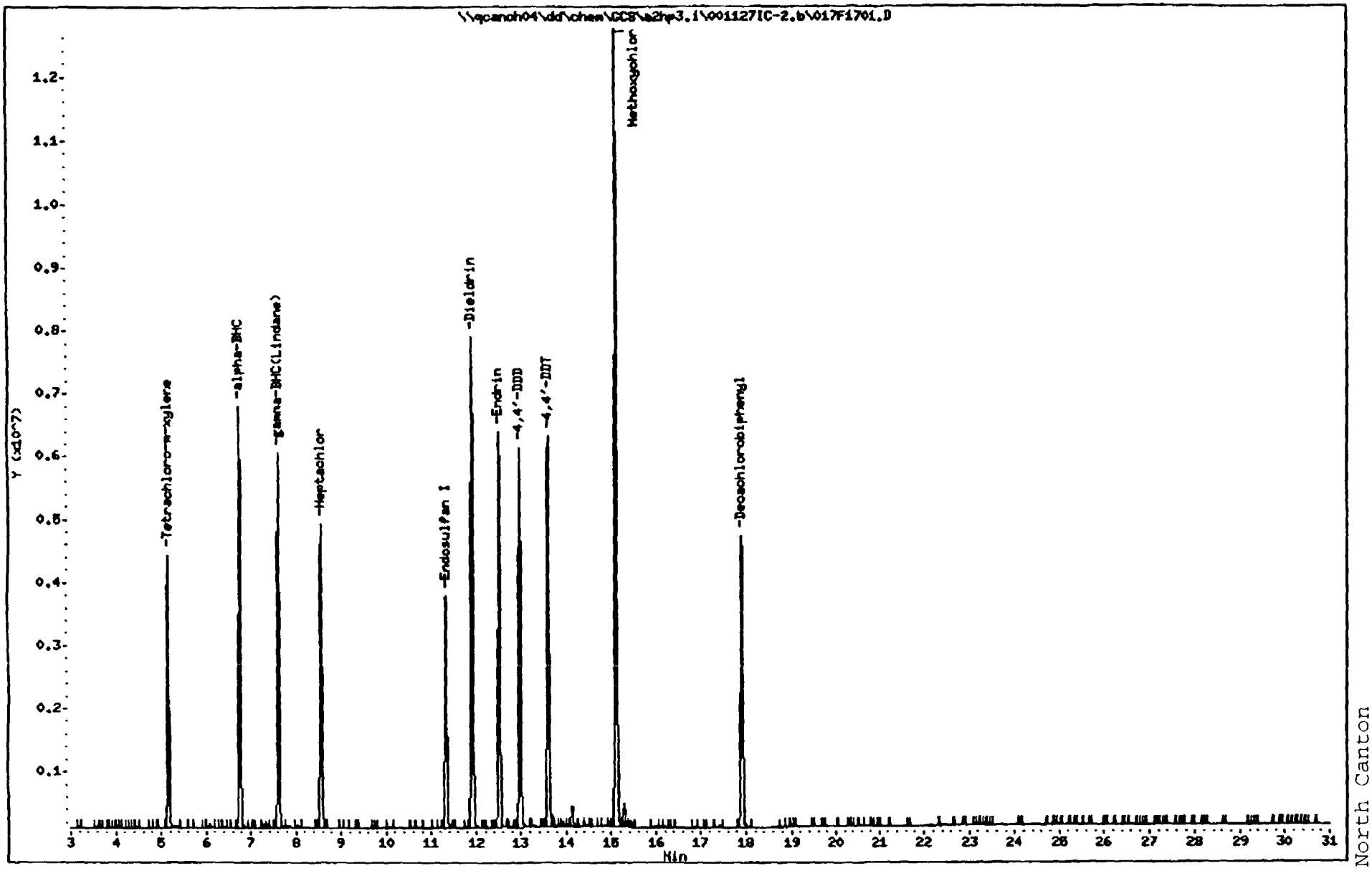
Sample Info: C620,,INDAH1,3

Volume Injected (uL): 1.0

Operator: 001764

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\014F1401.D
Lab Smp Id: C617 Client Smp ID: INDBL1
Inj Date : 27-NOV-2000 21:54
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C617,,INDBL1,1
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 21:54 Cal File: 014F1401.D
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
12 Aldrin					CAS #: 309-00-2			
9.239	9.240	(-0.001)	800775	0.00500				(a)
7 beta-BHC					CAS #: 319-85-7			
7.900	7.900	(0.000)	422813	0.00500				(a)
9 delta-BHC					CAS #: 319-86-8			
8.544	8.546	(-0.002)	883707	0.00500				(a)
13 Heptachlor epoxide					CAS #: 1024-57-3			
10.552	10.553	(-0.001)	755329	0.00500				(a)
14 gamma-Chlordane					CAS #: 5103-74-2			
10.957	10.960	(-0.003)	761584	0.00500				(a)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
17 alpha-Chlordane						CAS #: 5103-71-9		
11.280	11.280	(0.000)	741481	0.00500				(a)
19 4,4'-DDE						CAS #: 72-55-9		
11.798	11.800	(-0.002)	1311448	0.01000				(a)
21 Endosulfan II						CAS #: 33213-65-9		
12.985	12.990	(-0.005)	1210735	0.01000				(a)
24 Endrin aldehyde						CAS #: 7421-93-4		
13.713	13.710	(0.003)	880147	0.01000				(a)
25 Endosulfan sulfate						CAS #: 1031-07-8		
14.276	14.280	(-0.004)	1101954	0.01000				(a)
28 Endrin ketone						CAS #: 53494-70-5		
15.286	15.290	(-0.004)	1240702	0.01000				(a)
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.169	5.170	(-0.001)	716858	0.00500				
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.920	17.920	(0.000)	948406	0.01000				

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\014F1401.D

Page 3

Date : 27-NOV-2000 21:54

Client ID: INDBL1

Instrument: a2hp3.i

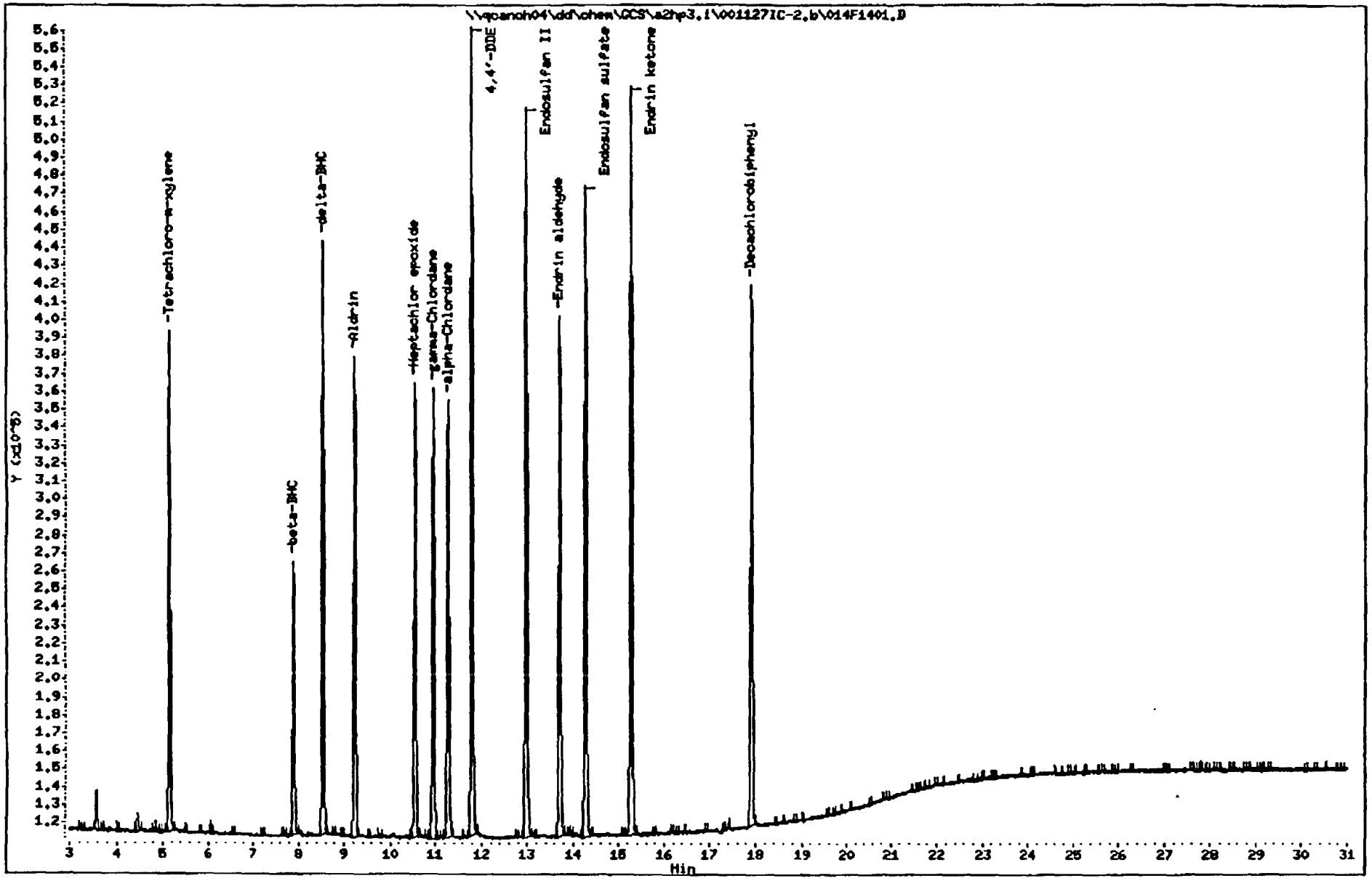
Sample Info: C617,,INDBL1,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\016F1601.D
Lab Smp Id: C657 Client Smp ID: INDBM1
Inj Date : 27-NOV-2000 23:08
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM1,2
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 23:08 Cal File: 016F1601.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.240	9.240	(0.000)	3312394	0.02000	0.020		
7 beta-BHC					CAS #: 319-85-7		
7.900	7.900	(0.000)	1604153	0.02000	0.020		
9 delta-BHC					CAS #: 319-86-8		
8.545	8.546	(-0.001)	3812870	0.02000	0.020		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.554	10.553	(0.001)	3035827	0.02000	0.020		
14 gamma-Chlordane					CAS #: 5103-74-2		
10.957	10.960	(-0.003)	3082504	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane						CAS #: 5103-71-9	
11.281	11.280	(0.001)	2952904	0.02000	0.020		
19 4,4'-DDE						CAS #: 72-55-9	
11.798	11.800	(-0.002)	5573722	0.04000	0.040		
21 Endosulfan II						CAS #: 33213-65-9	
12.986	12.990	(-0.004)	4858227	0.04000	0.040		
24 Endrin aldehyde						CAS #: 7421-93-4	
13.714	13.710	(0.004)	3537692	0.04000	0.040		
25 Endosulfan sulfate						CAS #: 1031-07-8	
14.276	14.280	(-0.004)	4413297	0.04000	0.040		
28 Endrin ketone						CAS #: 53494-70-5	
15.285	15.290	(-0.005)	4969545	0.04000	0.040		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.169	5.170	(-0.001)	2825791	0.02000	0.020		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
17.919	17.920	(-0.001)	3562018	0.04000	0.040		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\016F1601.D

Page 3

Date : 27-NOV-2000 23:08

Client ID: INDBH1

Instrument: a2hp3.i

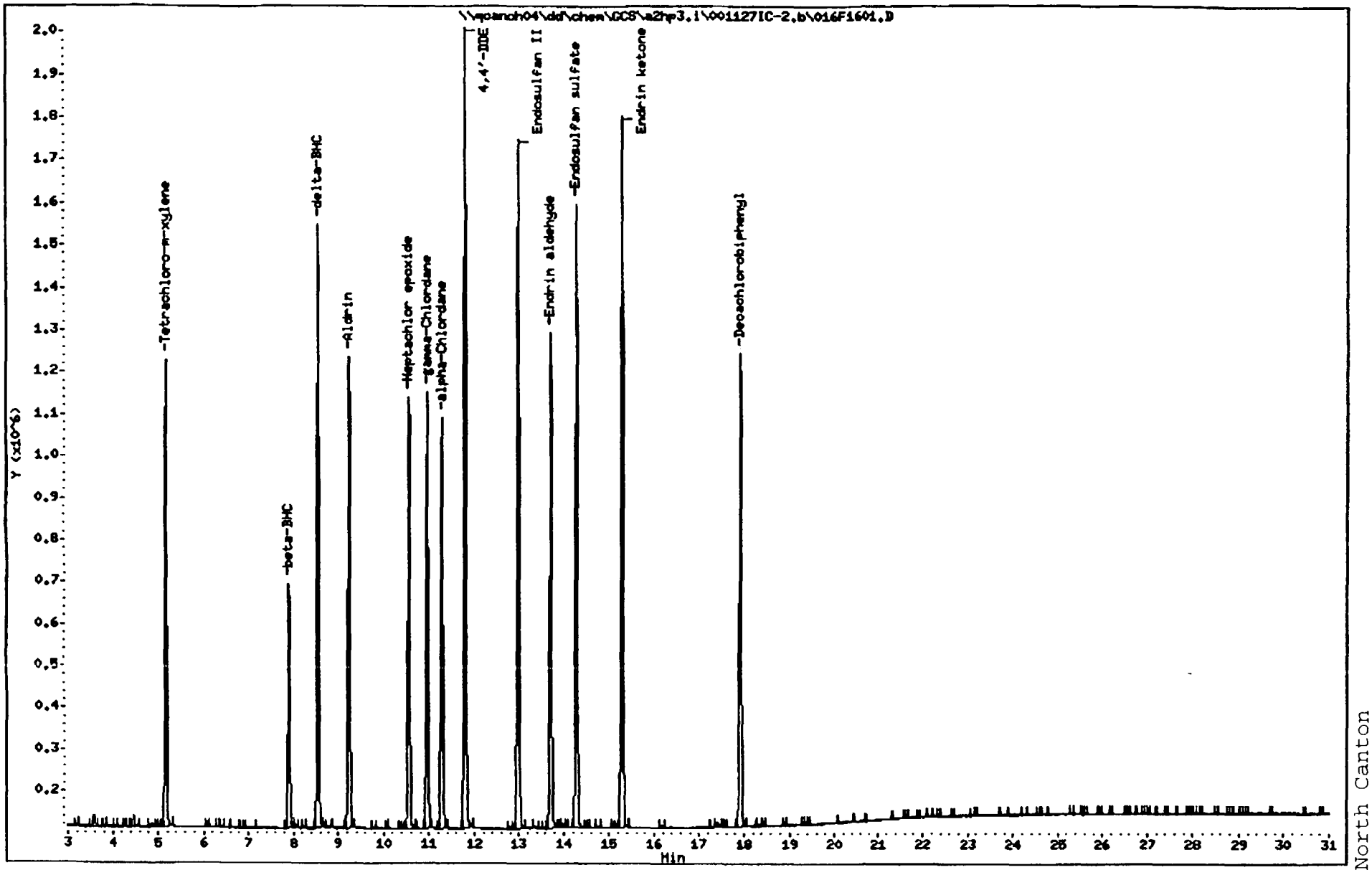
Sample Info: C657,,INDBH1,2

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\018F1801.D
Lab Smp Id: C621 Client Smp ID: INDBH1
Inj Date : 28-NOV-2000 00:23
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C621,,INDBH1,3
Misc Info : INDB.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

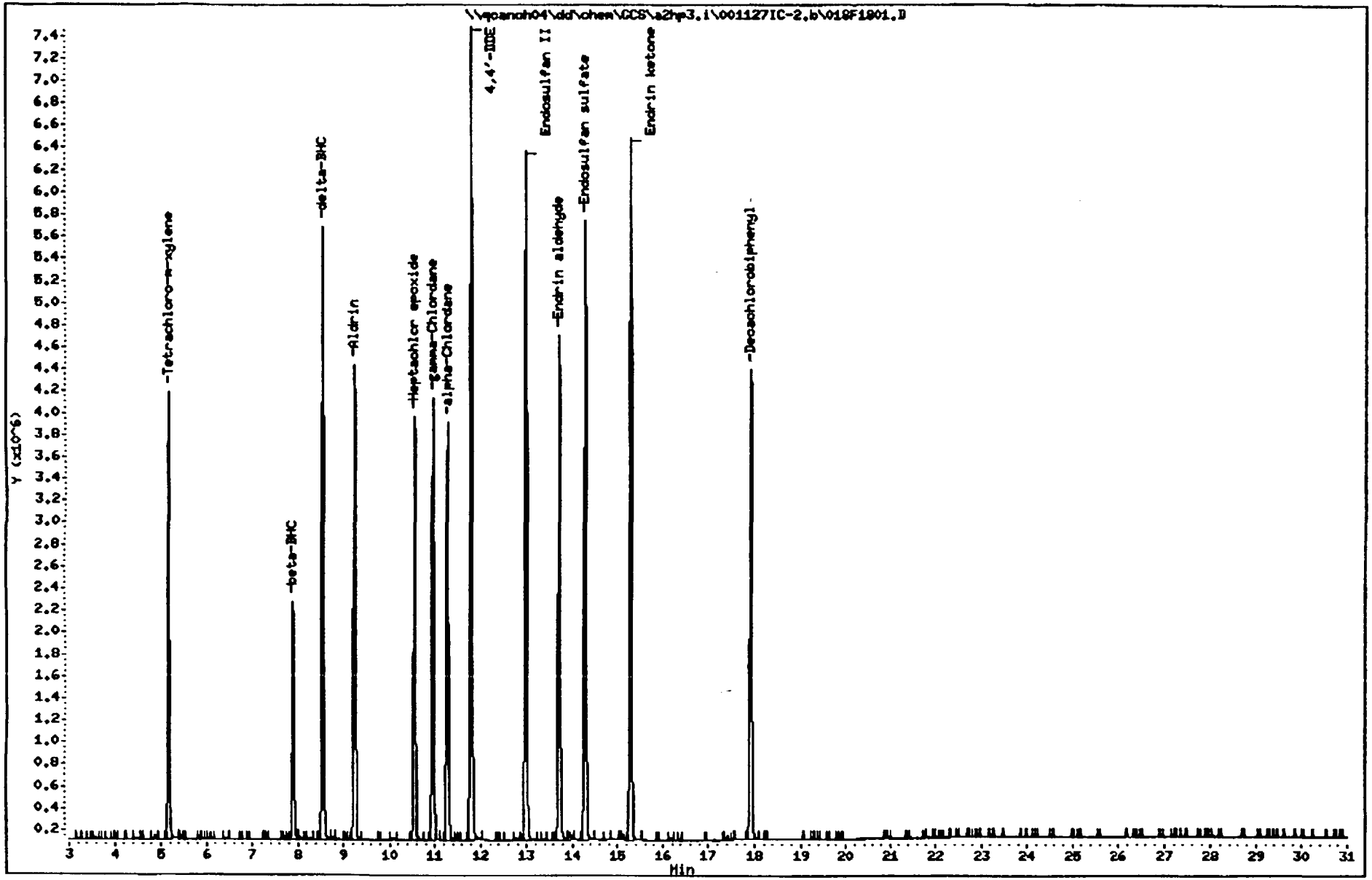
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.240	9.240	(0.000)	12912108	0.08000	0.078		
7 beta-BHC					CAS #: 319-85-7		
7.900	7.900	(0.000)	5914442	0.08000	0.074		
9 delta-BHC					CAS #: 319-86-8		
8.545	8.546	(-0.001)	15193676	0.08000	0.080		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.555	10.553	(0.002)	11511361	0.08000	0.076		
14 gamma-Chlordane					CAS #: 5103-74-2		
10.958	10.960	(-0.002)	12046074	0.08000	0.078		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.281	11.280	(0.001)	11348333	0.08000	0.077		
19 4,4'-DDE					CAS #: 72-55-9		
11.799	11.800	(-0.001)	21846074	0.16000	0.16		
21 Endosulfan II					CAS #: 33213-65-9		
12.985	12.990	(-0.005)	18750847	0.16000	0.15		
24 Endrin aldehyde					CAS #: 7421-93-4		
13.713	13.710	(0.003)	13736156	0.16000	0.16		
25 Endosulfan sulfate					CAS #: 1031-07-8		
14.275	14.280	(-0.005)	16867461	0.16000	0.15		
28 Endrin ketone					CAS #: 53494-70-5		
15.285	15.290	(-0.005)	18859776	0.16000	0.15		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	10528032	0.08000	0.074		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	13119448	0.16000	0.15		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\018F1901.D
Date : 28-NOV-2000 00:23
Client ID: INDBH1
Sample Info: C621,,INDBH1,3
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\006F0601.D
Lab Smp Id: C670 Client Smp ID: AR1660
Inj Date : 27-NOV-2000 16:56
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C670,,AR1660,1
Misc Info : AR1660.sub,,1,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 16:56 Cal File: 006F0601.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.04 Sample Matrix; WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1016					CAS #: 12674-11-2		
4.954	4.952	(0.002)	340141	0.10000	0.10	80.00- 120.00	100.00
5.757	5.759	(-0.002)	609496	0.10000	0.10	159.19- 199.19	179.19
6.772	6.771	(0.001)	1130427	0.10000	0.10	312.34- 352.34	332.34
7.051	7.051	(0.000)	487291	0.10000	0.10	123.26- 163.26	143.26
7.941	7.941	(0.000)	518763	0.10000	0.10	132.51- 172.51	152.51
Average of Peak Amounts =					0.1		
20 Aroclor-1260					CAS #: 11096-82-5		
10.483	10.480	(0.003)	639047	0.10000	0.10	80.00- 120.00	100.00
11.058	11.060	(-0.002)	1141126	0.10000	0.10	158.57- 198.57	178.57
11.605	11.610	(-0.005)	992875	0.10000	0.10	135.37- 175.37	155.37
12.332	12.330	(0.002)	609974	0.10000	0.10	75.45- 115.45	95.45

```
                                          AMOUNTS
                                        CAL-AMT   ON-COL
   RT    EXP RT  DLT RT         RESPONSE (   ng)  (   ng)   TARGET RANGE    RATIO
   --    ------ --------        -------- -------  -------   ------------    -----

   20 Aroclor-1260 (continued)
13.508  13.510  (-0.002)          680964 0.10000     0.10  86.56- 126.56   106.56
               Average of Peak Amounts =              0.1
-------------------------------------------------------------------------------
$   1 Tetrachloro-m-xylene                          CAS #: 877-09-8
4.043    4.042  (0.001)         3190449 0.00500
-------------------------------------------------------------------------------
$  30 Decachlorobiphenyl                            CAS #: 2051-24-3
15.697  15.700  (-0.003)         2414838 0.01000
-------------------------------------------------------------------------------
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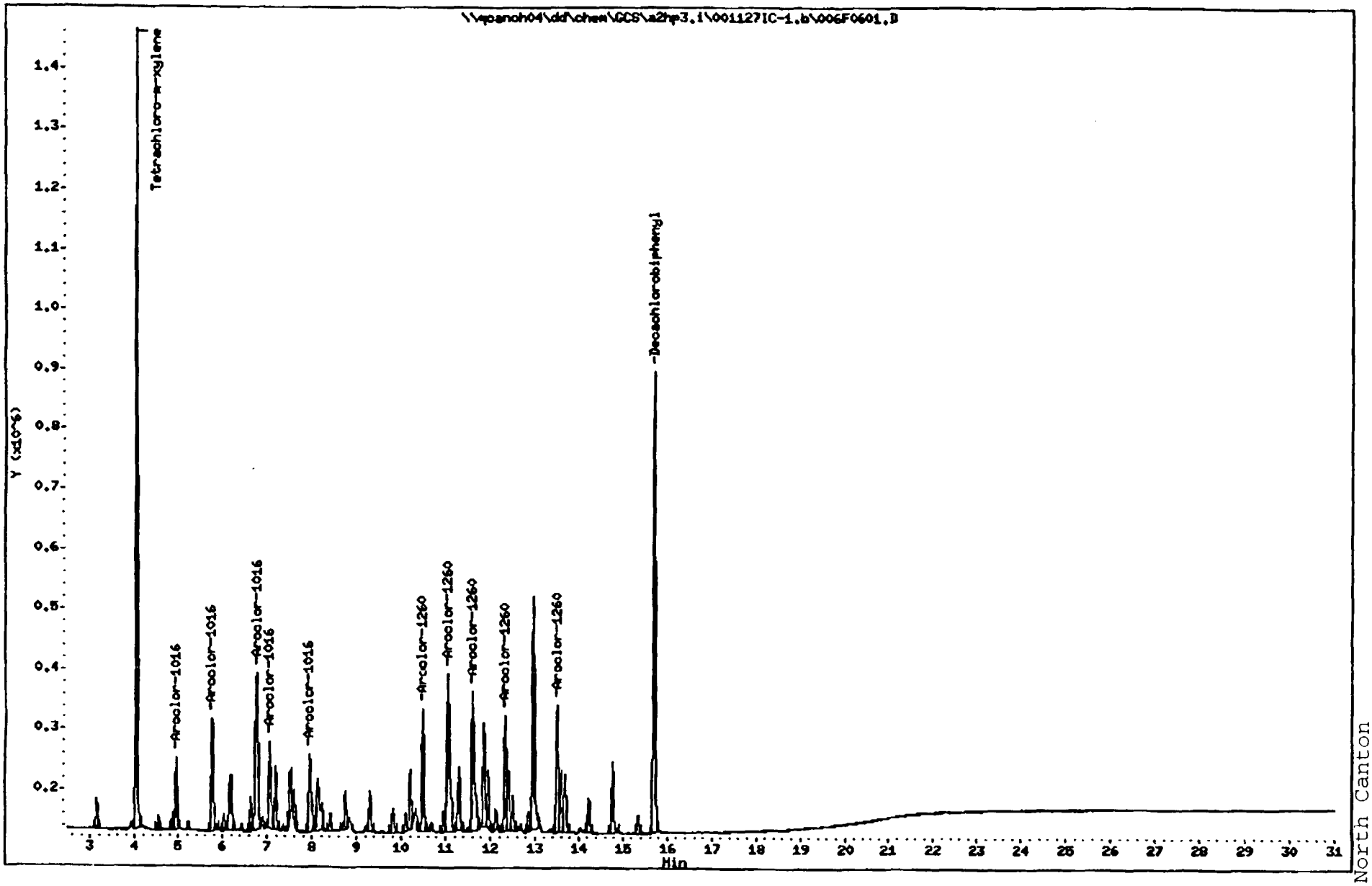
Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\006F0601.D
Date : 27-NOV-2000 16:56
Client ID: AR1660
Sample Info: C670,,AR1660,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\007F0701.D
Lab Smp Id: C671 Client Smp ID: AR12211
Inj Date : 27-NOV-2000 17:34
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C671,,AR12211,
Misc Info : AR1221.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 17:34 Cal File: 007F0701.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

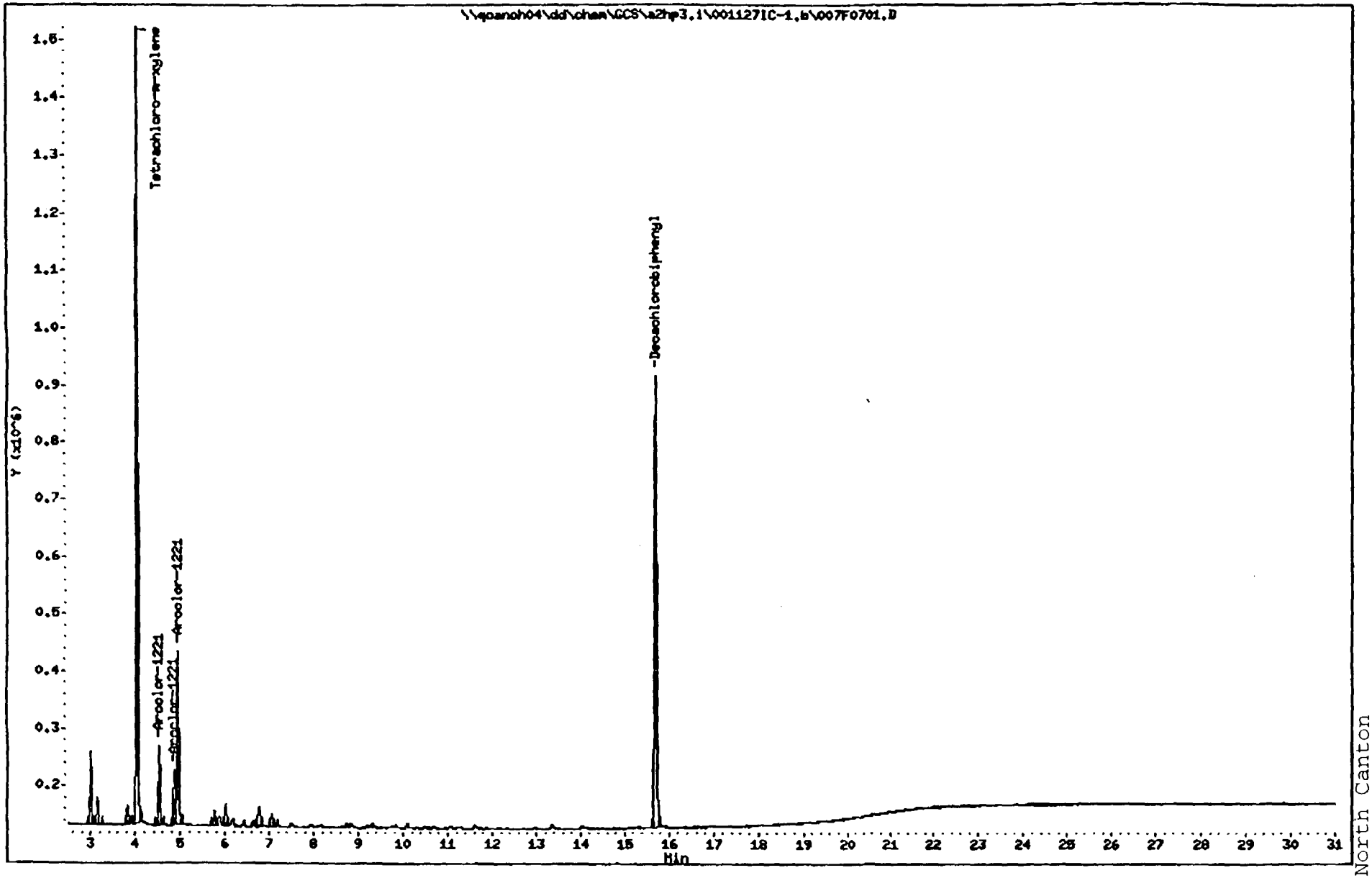
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.536	4.538	(-0.002)	354990	0.20000	0.20	80.00- 120.00	100.00
4.867	4.869	(-0.002)	257682	0.20000	0.20	52.59- 92.59	72.59
4.954	4.952	(0.002)	860826	0.20000	0.20	222.49- 262.49	242.49
Average of Peak Amounts =					0.2		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3354235	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.696	15.700	(-0.004)	2480272	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\0011271C-1.b\007F0701.D
Date : 27-NOV-2000 17:34
Client ID: AR12211
Sample Info: C671,,AR12211,
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\008F0801.D
Lab Smp Id: C665 Client Smp ID: AR12321
Inj Date : 27-NOV-2000 18:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C665,,AR12321,1
Misc Info : AR1232.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 18:11 Cal File: 008F0801.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1232					CAS #: 11141-16-5		
4.954	4.952	(0.002)	421045	0.10000	0.10	80.00- 120.00	100.00
5.758	5.759	(-0.001)	256082	0.10000	0.10	40.82- 80.82	60.82
7.052	7.051	(0.001)	205848	0.10000	0.10	28.89- 68.89	48.89
7.940	7.940	(0.000)	212485	0.10000	0.10	30.47- 70.47	50.47
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3344367	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	2460892	0.01000			

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\008F0801.D

Page 2

Date : 27-NOV-2000 18:11

Client ID: AR12321

Instrument: a2hp3.i

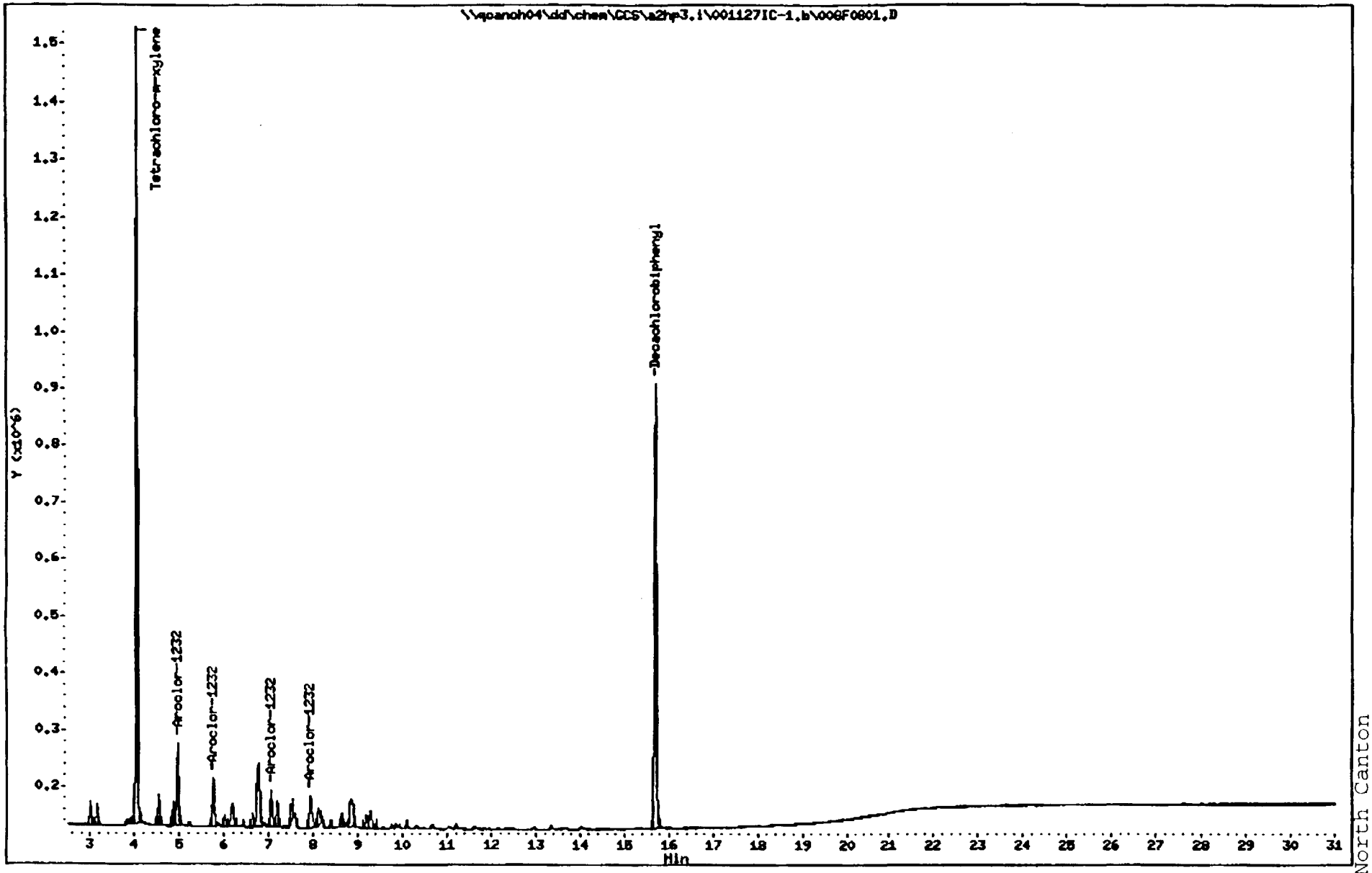
Sample Info: C665,,AR12321,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



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STL North Canton

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\009F0901.D
Lab Smp Id: C673 Client Smp ID: AR12421
Inj Date : 27-NOV-2000 18:48
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C673,,AR12421,1
Misc Info : AR1242.SUB,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 18:48 Cal File: 009F0901.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

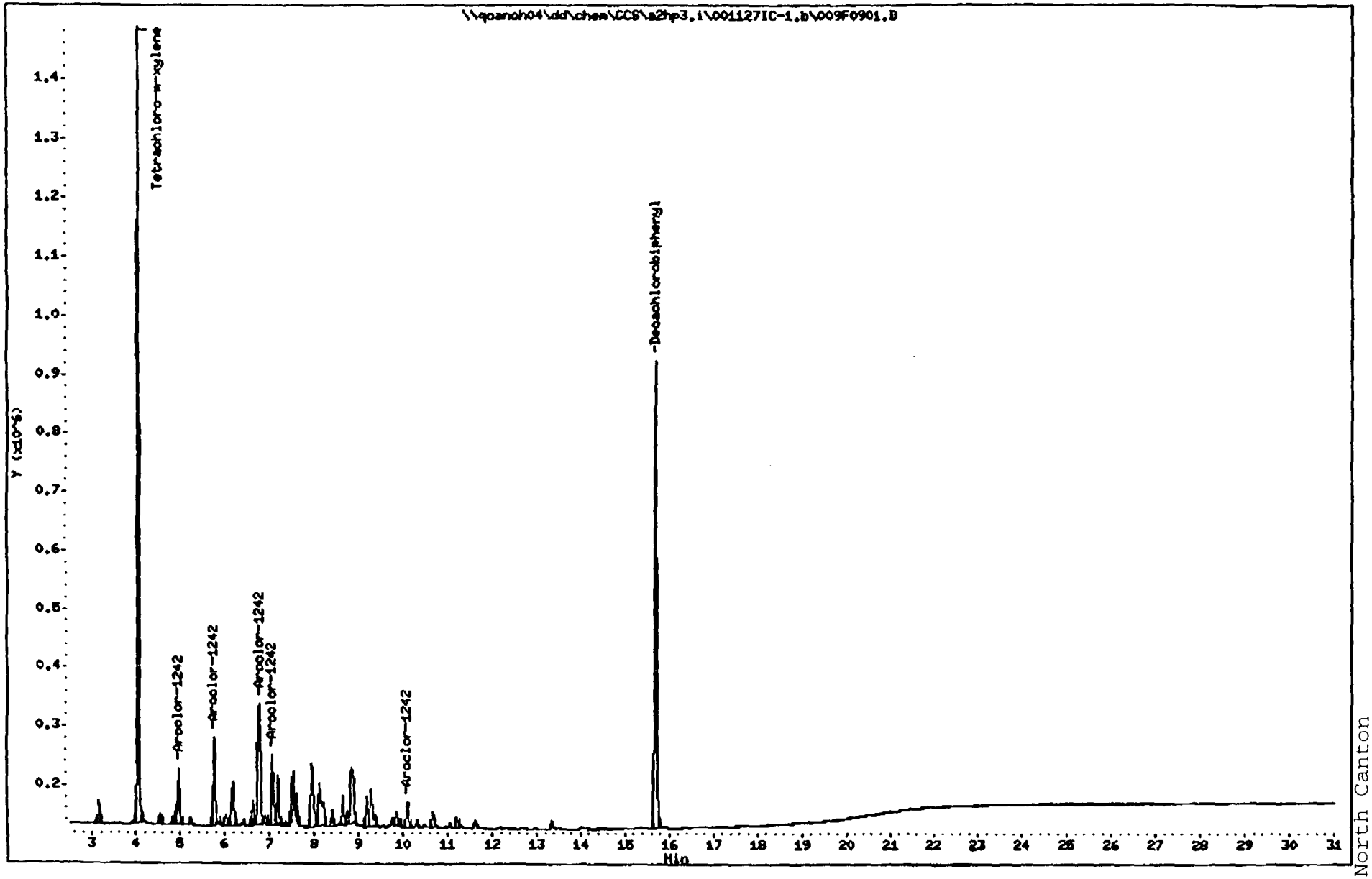
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1242					CAS #: 53469-21-9		
4.956	4.958	(-0.002)	276651	0.10000	0.10	60.00- 120.00	100.00
5.758	5.759	(-0.001)	493614	0.10000	0.10	158.42- 198.42	178.42
6.770	6.770	(0.000)	900609	0.10000	0.10	305.54- 345.54	325.54
7.052	7.051	(0.001)	399392	0.10000	0.10	124.37- 164.37	144.37
10.099	10.100	(-0.001)	132586	0.10000	0.10	27.93- 67.93	47.93
		Average of Peak Amounts =			0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	3278524	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	2493201	0.01000			

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\009F0901.D
Date : 27-NOV-2000 18:48
Client ID: AR12421
Sample Info: C673,,AR12421,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\010F1001.D
Lab Smp Id: C674 Client Smp ID: AR12481
Inj Date : 27-NOV-2000 19:25
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C674,,AR12481,1
Misc Info : AR1248.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 19:25 Cal File: 010F1001.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

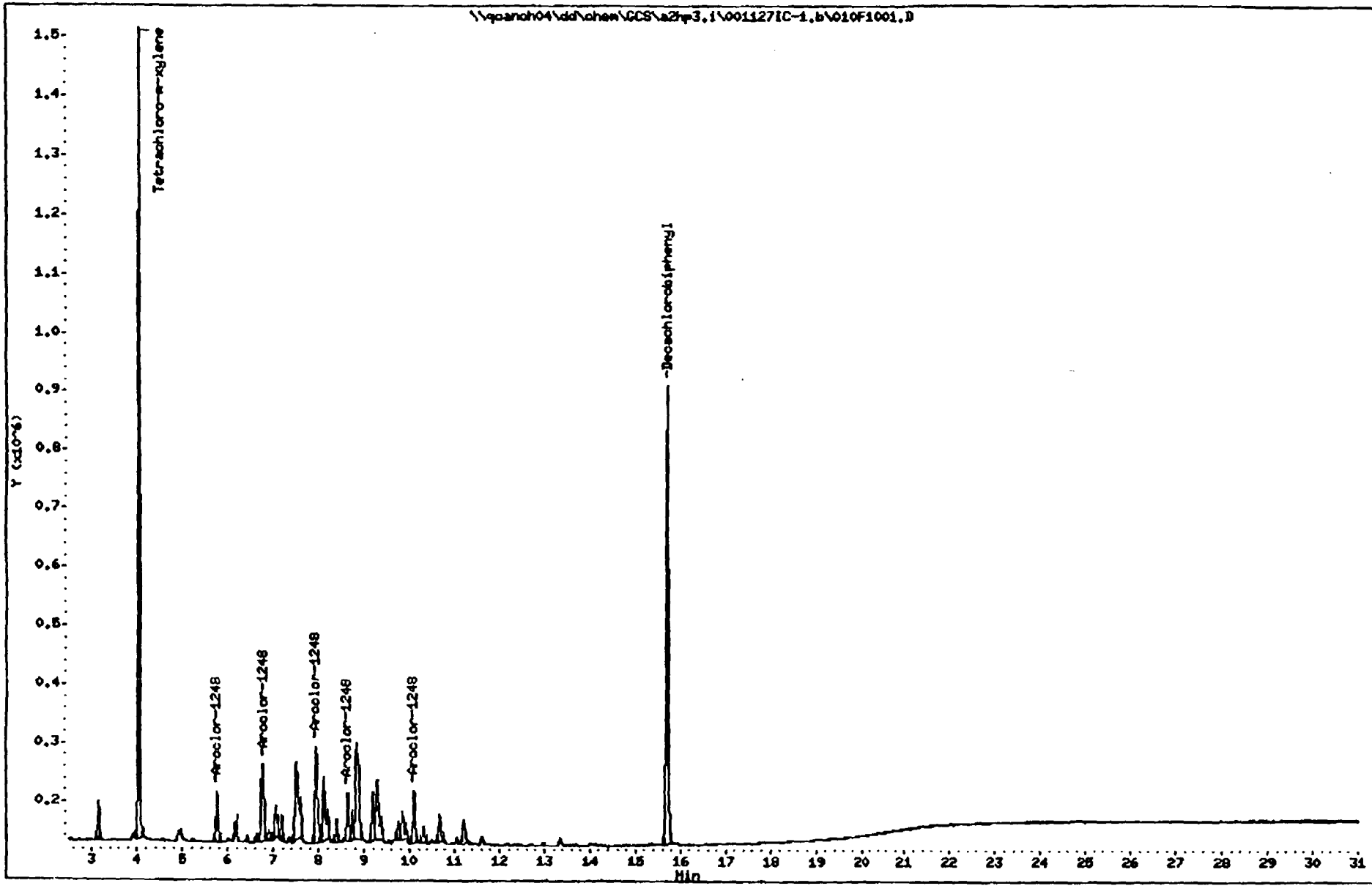
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1248					CAS #: 12672-29-6		
5.756	5.758	(-0.002)	262232	0.10000	0.10	80.00- 120.00	100.00
6.769	6.770	(-0.001)	605731	0.10000	0.10	210.99- 250.99	230.99
7.940	7.940	(0.000)	636596	0.10000	0.10	222.76- 262.76	242.76
8.644	8.641	(0.003)	233825	0.10000	0.10	69.17- 109.17	89.17
10.098	10.100	(-0.002)	273917	0.10000	0.10	84.46- 124.46	104.46
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.042	4.042	(0.000)	3258866	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	2498935	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\010F1001.D
Date : 27-NOV-2000 19:25
Client ID: AR12481
Sample Info: C674,,AR12481,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\011F1101.D
Lab Smp Id: C669 Client Smp ID: AR12541
Inj Date : 27-NOV-2000 20:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C669,,AR12541,1
Misc Info : AR1254.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 20:03 Cal File: 011F1101.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
11 Aroclor-1254					CAS #: 11097-69-1		
7.491	7.490	(0.001)	357797	0.10000	0.10	80.00- 120.00	100.00
8.744	8.742	(0.002)	464236	0.10000	0.10	109.75- 149.75	129.75
9.303	9.302	(0.001)	807774	0.10000	0.10	205.76- 245.76	225.76
10.098	10.100	(-0.002)	908615	0.10000	0.10	233.95- 273.95	253.95
11.606	11.610	(-0.004)	934924	0.10000	0.10	241.30- 281.30	261.30
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.042	4.042	(0.000)	3368812	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.696	15.700	(-0.004)	2608004	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\011F1101.D

Page 2

Date : 27-NOV-2000 20:03

Client ID: AR12641

Instrument: a2hp3.i

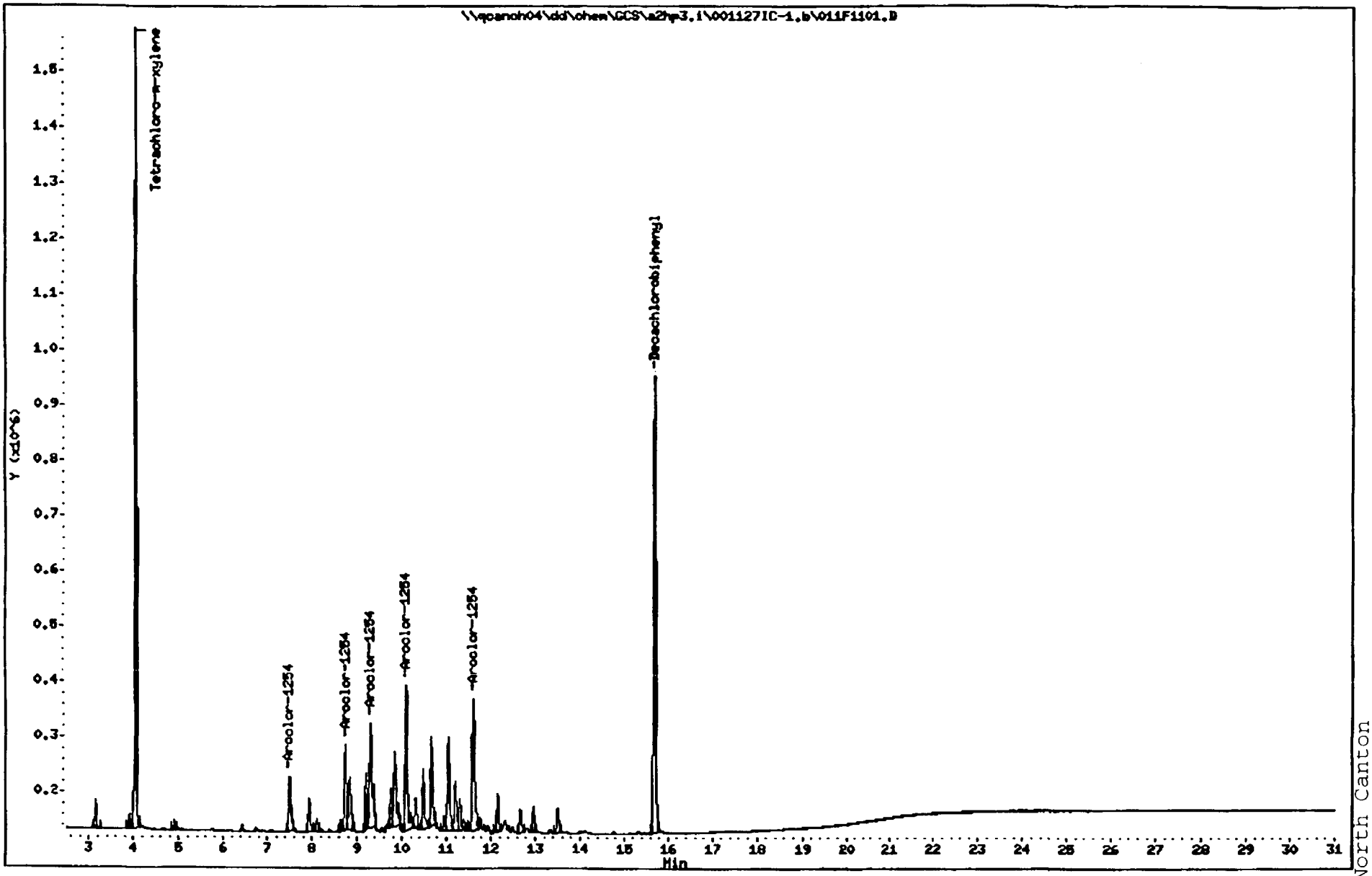
Sample Info: C669,,AR12641,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\012F1201.D
Lab Smp Id: C513 Client Smp ID: TOXAP1
Inj Date : 27-NOV-2000 20:40
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C513,,TOXAP1,1
Misc Info : TOXAPH.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 20:40 Cal File: 012F1201.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
22 Toxaphene					CAS #: 8001-35-2		
10.336	10.340	(-0.004)	592135	0.50000	0.50	80.00- 120.00	100.00
10.997	11.000	(-0.003)	870809	0.50000	0.50	127.06- 167.06	147.06
12.303	12.300	(0.003)	2385734	0.50000	0.50	382.90- 422.90	402.90
13.408	13.410	(-0.002)	1255284	0.50000	0.50	191.99- 231.99	211.99
Average of Peak Amounts =					0.5		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3446667	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	2724443	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\012F1201.D

Page 2

Date : 27-NOV-2000 20:40

Client ID: TOXAP1

Instrument: a2hp3.i

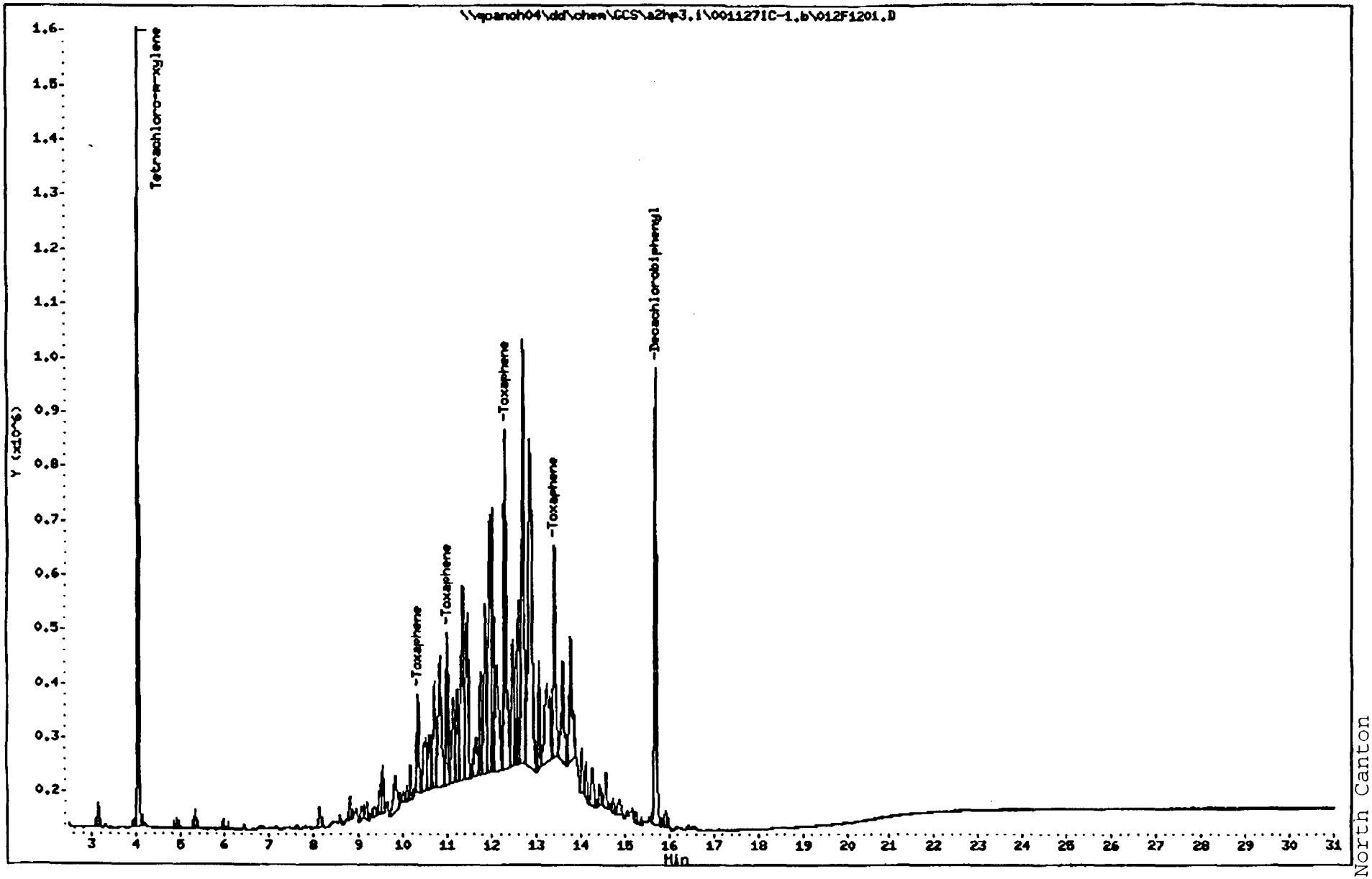
Sample Info: C513,,TOXAP1,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\006F0601.D
Lab Smp Id: C670 Client Smp ID: AR1660
Inj Date : 27-NOV-2000 16:56
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C670,,AR1660,1
Misc Info : AR1660.sub,,1,
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 16:56 Cal File: 006F0601.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.466	6.468	(-0.002)	293261	0.10000	0.10	80.00- 120.00	100.00
7.428	7.429	(-0.001)	530332	0.10000	0.10	160.84- 200.84	180.84
8.442	8.441	(0.001)	1014560	0.10000	0.10	325.96- 365.96	345.96
8.738	8.739	(-0.001)	430802	0.10000	0.10	126.90- 166.90	146.90
9.766	9.768	(-0.002)	339977	0.10000	0.10	95.93- 135.93	115.93
		Average of Peak Amounts =			0.1		
22 Aroclor-1260					CAS #: 11096-82-5		
11.083	11.080	(0.003)	189381	0.10000	0.10	80.00- 120.00	100.00
12.093	12.090	(0.003)	284977	0.10000	0.10	130.48- 170.48	150.48
12.868	12.870	(-0.002)	654044	0.10000	0.10	325.36- 365.36	345.36
14.351	14.350	(0.001)	543258	0.10000	0.10	266.86- 306.86	286.86

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
22 Aroclor-1260 (continued)							
15.598	15.600	(-0.002)	783113	0.10000	0.10	393.51- 433.51	413.51
Average of Peak Amounts =					0.1		

$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

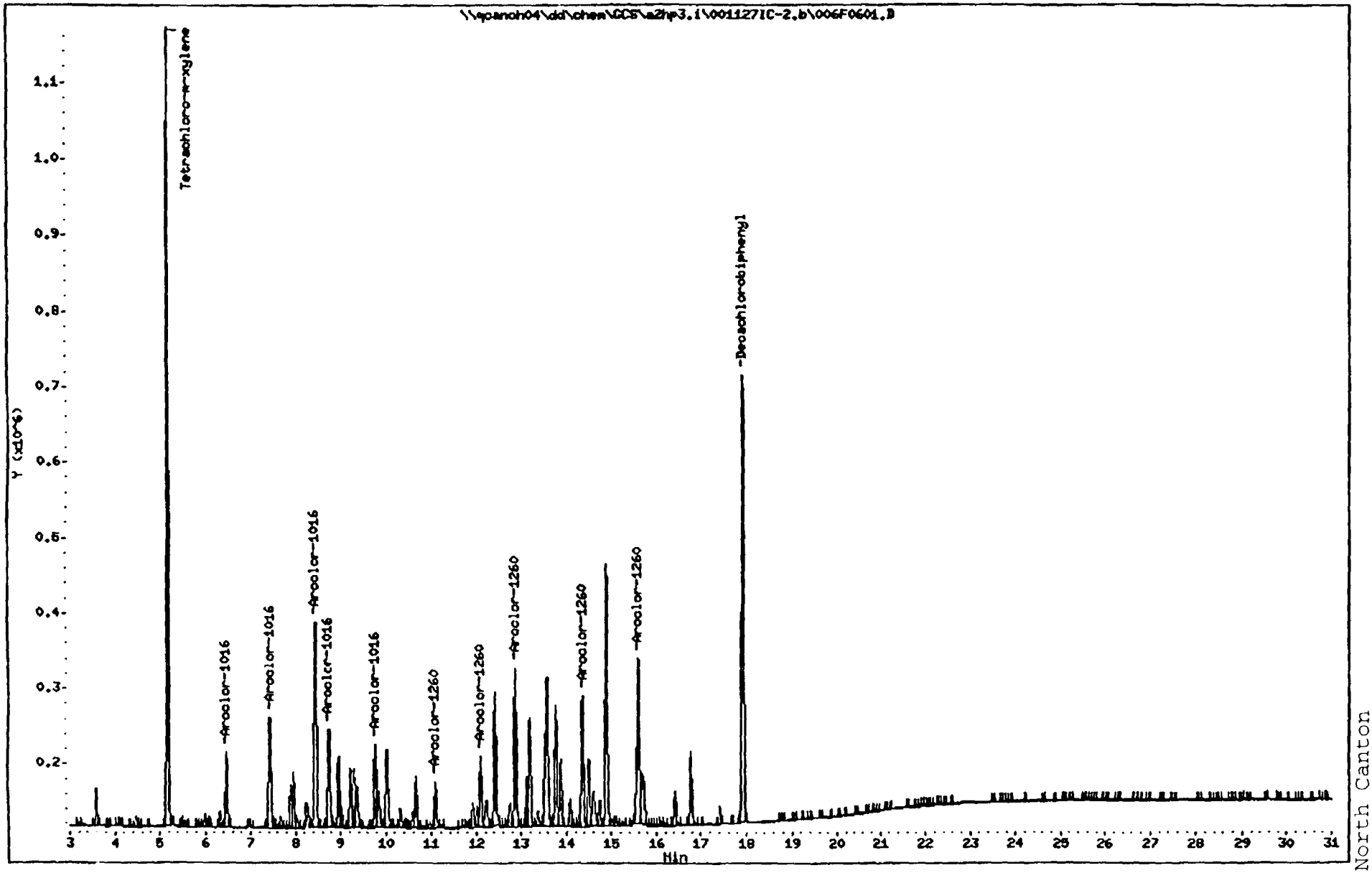
5.171	5.170	(0.001)	2721167	0.00500	

$ 30 Decachlorobiphenyl CAS #: 2051-24-3

17.921	17.920	(0.001)	1863040	0.01000	

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\006F0601.D
Date : 27-NOV-2000 16:56
Client ID: AR1660
Sample Info: C670,,AR1660,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\007F0701.D
Lab Smp Id: C671 Client Smp ID: AR12211
Inj Date : 27-NOV-2000 17:34
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C671,,AR12211,
Misc Info : AR1221.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 17:34 Cal File: 007F0701.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
5.990	5.990	(0.000)	313942	0.20000	0.20	80.00- 120.00	100.00
6.331	6.330	(0.001)	212849	0.20000	0.20	47.80- 87.80	67.80
6.468	6.469	(-0.001)	745207	0.20000	0.20	217.37- 257.37	237.37
Average of Peak Amounts =					0.2		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2808442	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.919	17.920	(-0.001)	1915347	0.01000			

Data File: \\qcanoh04\dd\chem\GC5\a2hp3.i\001127IC-2.b\007F0701.D

Page 2

Date : 27-NOV-2000 17:34

Client ID: AR12211

Instrument: a2hp3.i

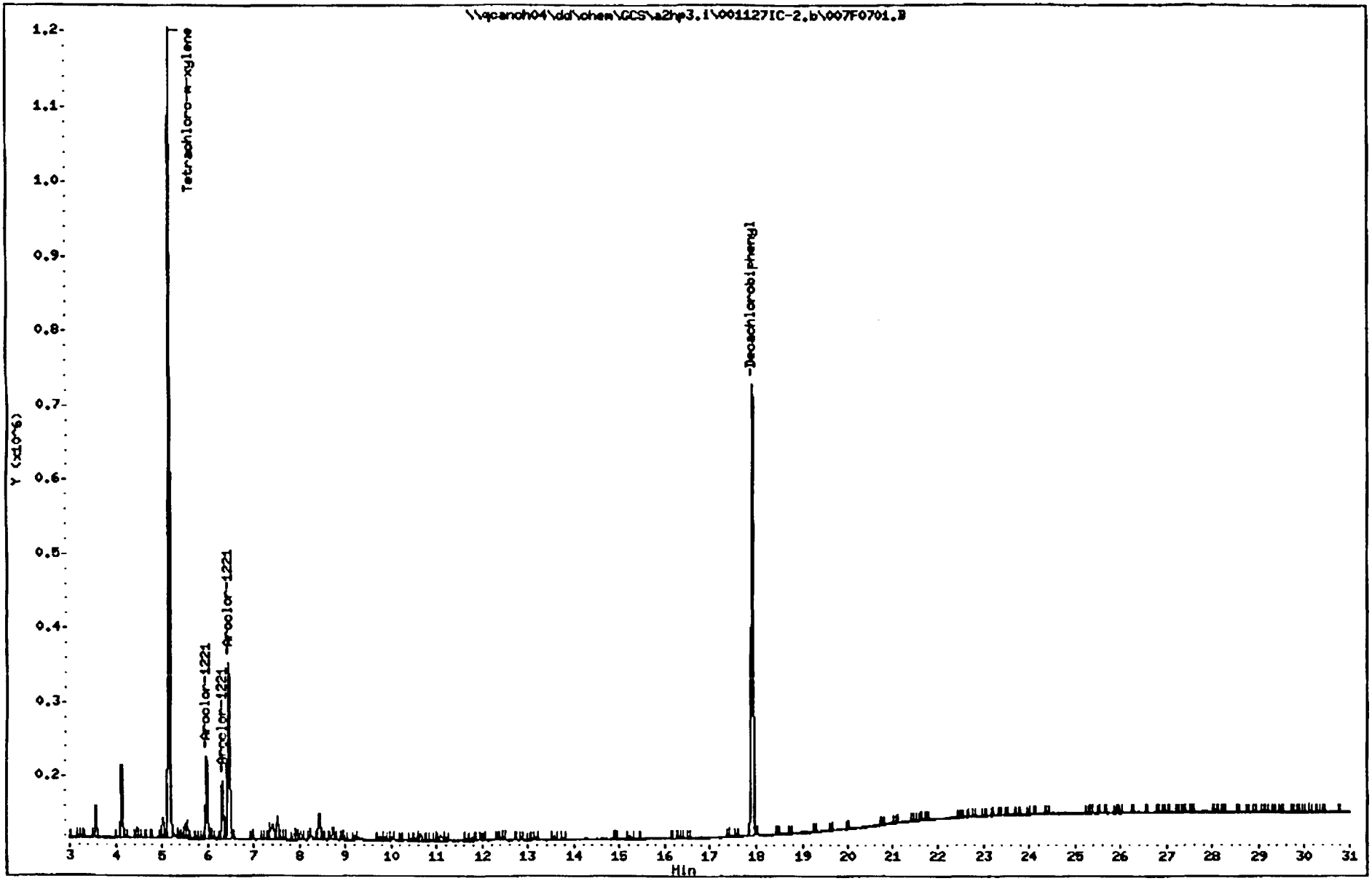
Sample Info: C671,,AR12211,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\008F0801.D
Lab Smp Id: C665 Client Smp ID: AR12321
Inj Date : 27-NOV-2000 18:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C665,,AR12321,1
Misc Info : AR1232.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 18:11 Cal File: 008F0801.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1232					CAS #: 11141-16-5		
6.466	6.468	(-0.002)	359160	0.10000	0.10	80.00- 120.00	100.00
7.427	7.428	(-0.001)	235735	0.10000	0.10	45.64- 85.64	65.64
8.443	8.441	(0.002)	430009	0.10000	0.10	99.73- 139.73	119.73
10.018	10.020	(-0.002)	151663	0.10000	0.10	22.23- 62.23	42.23
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	2806796	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.918	17.920	(-0.002)	1902260	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\008F0801.D

Page 2

Date : 27-NOV-2000 18:11

Client ID: AR12321

Instrument: a2hp3.i

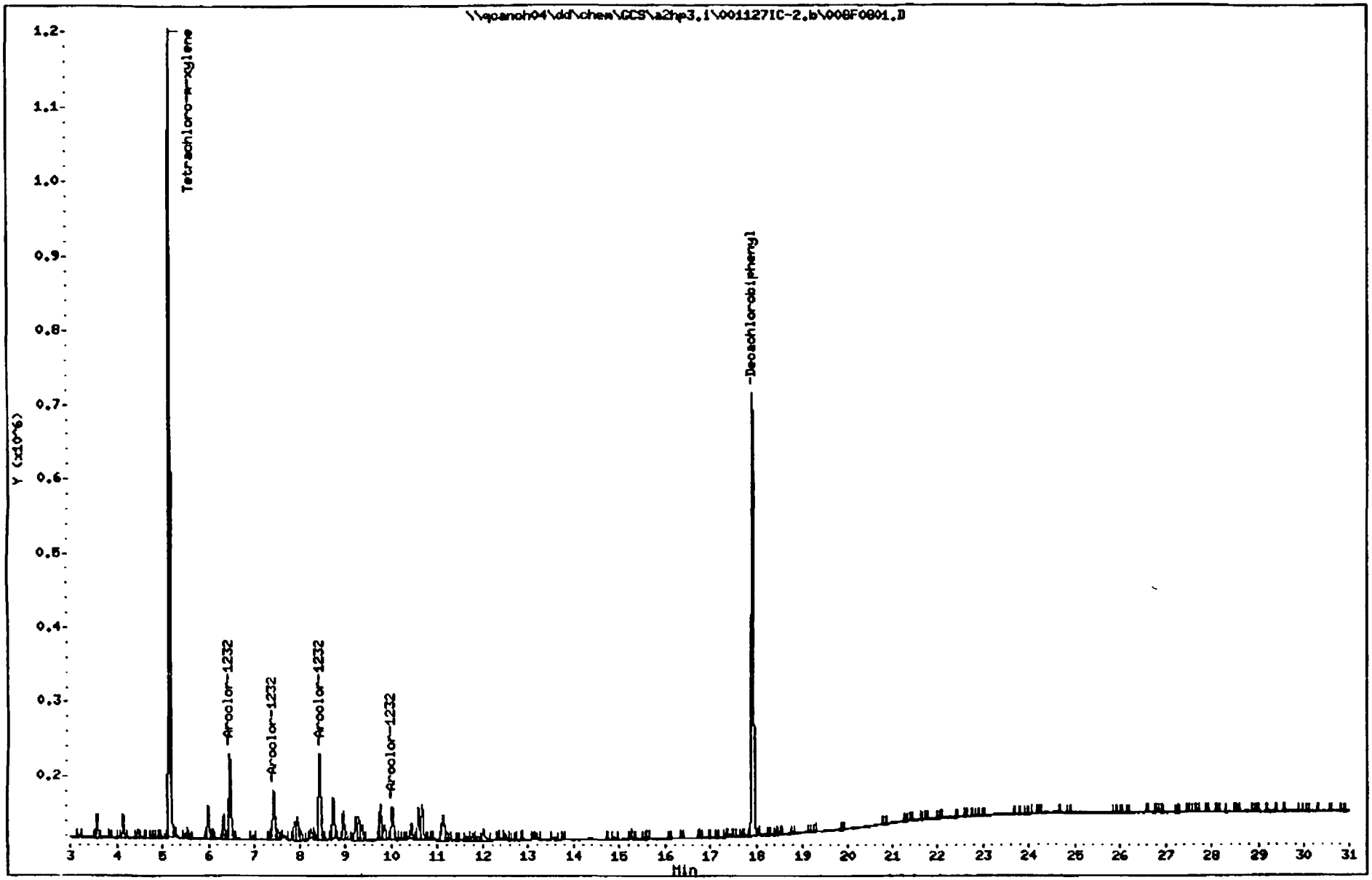
Sample Info: C665,,AR12321,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\009F0901.D
Lab Smp Id: C673 Client Smp ID: AR12421
Inj Date : 27-NOV-2000 18:48
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C673,,AR12421,1
Misc Info : AR1242.SUB,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 18:48 Cal File: 009F0901.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

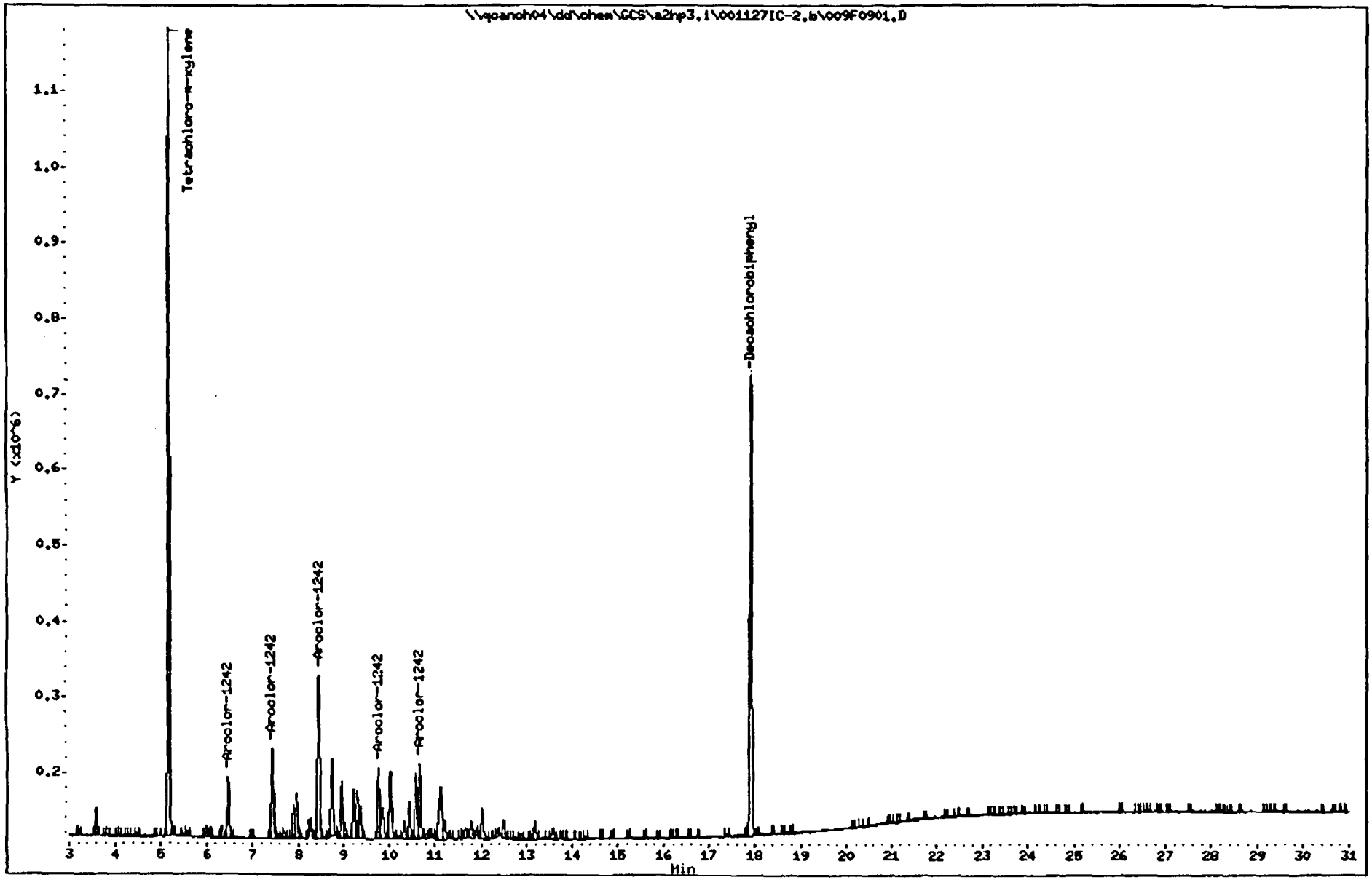
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.467	6.469	(-0.002)	231922	0.10000	0.10	80.00- 120.00	100.00
7.428	7.429	(-0.001)	420344	0.10000	0.10	161.24- 201.24	181.24
8.445	8.448	(-0.003)	808856	0.10000	0.10	328.76- 368.76	348.76
9.766	9.768	(-0.002)	278582	0.10000	0.10	100.12- 140.12	120.12
10.667	10.670	(-0.003)	298063	0.10000	0.10	108.52- 148.52	128.52
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2764433	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.921	17.920	(0.001)	1931573	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\009F0901.D
Date : 27-NOV-2000 18:48
Client ID: AR12421
Sample Info: C673,,AR12421,1
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001764
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\010F1001.D
Lab Smp Id: C674 Client Smp ID: AR12481
Inj Date : 27-NOV-2000 19:25
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C674,,AR12481,1
Misc Info : AR1248.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 19:25 Cal File: 010F1001.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aroclor-1248					CAS #: 12672-29-6		
7.424	7.422	(0.002)	227073	0.10000	0.10	80.00- 120.00	100.00
8.442	8.441	(0.001)	538919	0.10000	0.10	217.33- 257.33	237.33
9.767	9.768	(-0.001)	433100	0.10000	0.10	170.73- 210.73	190.73
10.666	10.670	(-0.004)	513171	0.10000	0.10	205.99- 245.99	225.99
12.012	12.010	(0.002)	276694	0.10000	0.10	101.85- 141.85	121.85
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2775853	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	1918282	0.01000			

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001127IC-2.b\010F1001.D

Page 2

Date : 27-NOV-2000 19:25

Client ID: AR12481

Instrument: a2hp3.i

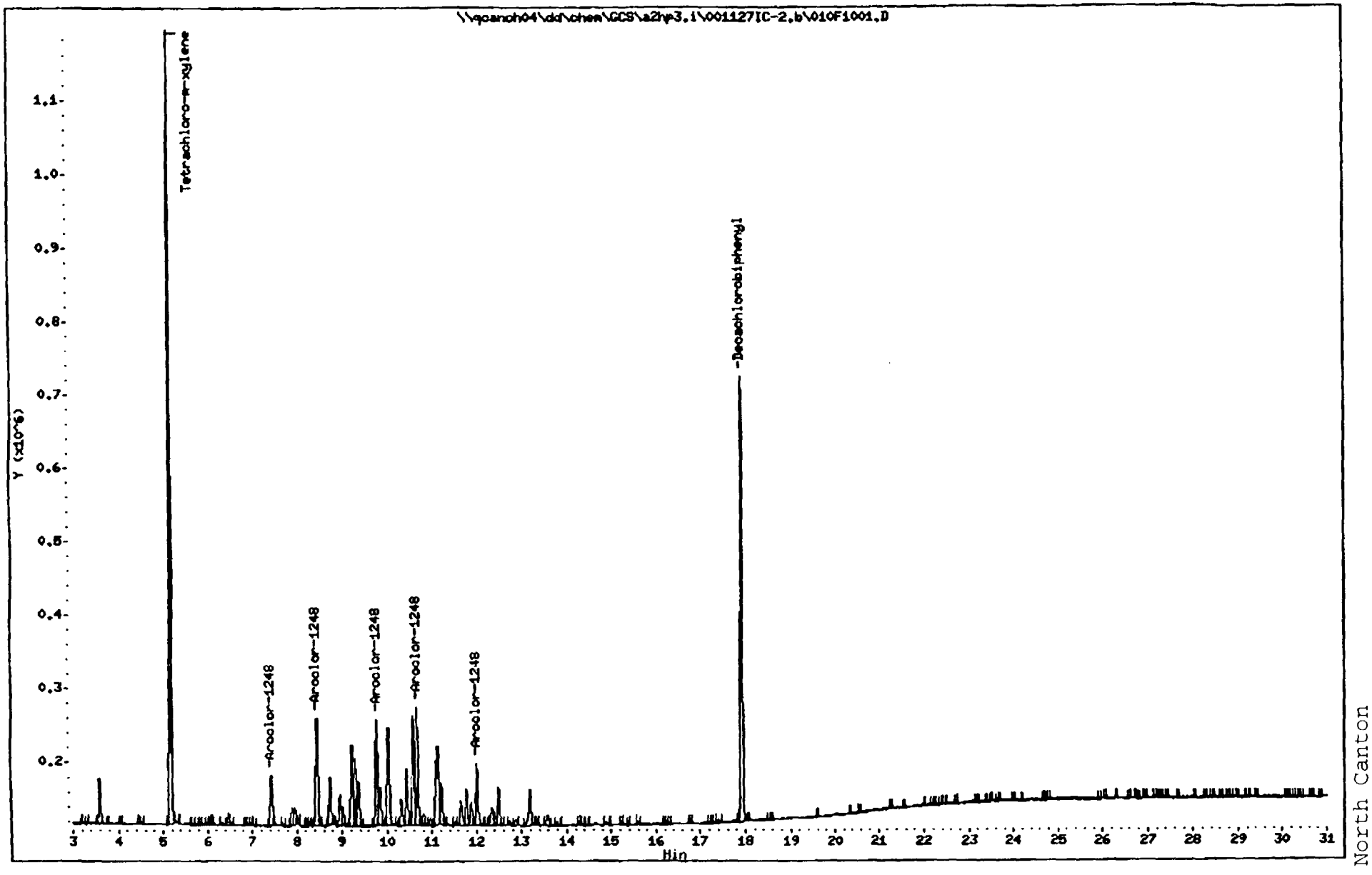
Sample Info: C674,,AR12481,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\011F1101.D
Lab Smp Id: C669 Client Smp ID: AR12541
Inj Date : 27-NOV-2000 20:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C669,,AR12541,1
Misc Info : AR1254.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 20:03 Cal File: 011F1101.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
16 Aroclor-1254					CAS #: 11097-69-1		
10.660	10.660	(0.000)	478563	0.10000	0.10	80.00- 120.00	100.00
11.082	11.080	(0.002)	562353	0.10000	0.10	97.51- 137.51	117.51
12.011	12.010	(0.001)	728478	0.10000	0.10	132.22- 172.22	152.22
12.489	12.490	(-0.001)	486685	0.10000	0.10	81.70- 121.70	101.70
13.575	13.580	(-0.005)	864687	0.10000	0.10	160.68- 200.68	180.68
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.169	5.170	(-0.001)	2845182	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	1998869	0.01000			

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\011F1101.D

Date : 27-NOV-2000 20:03

Client ID: AR12541

Instrument: a2hp3.i

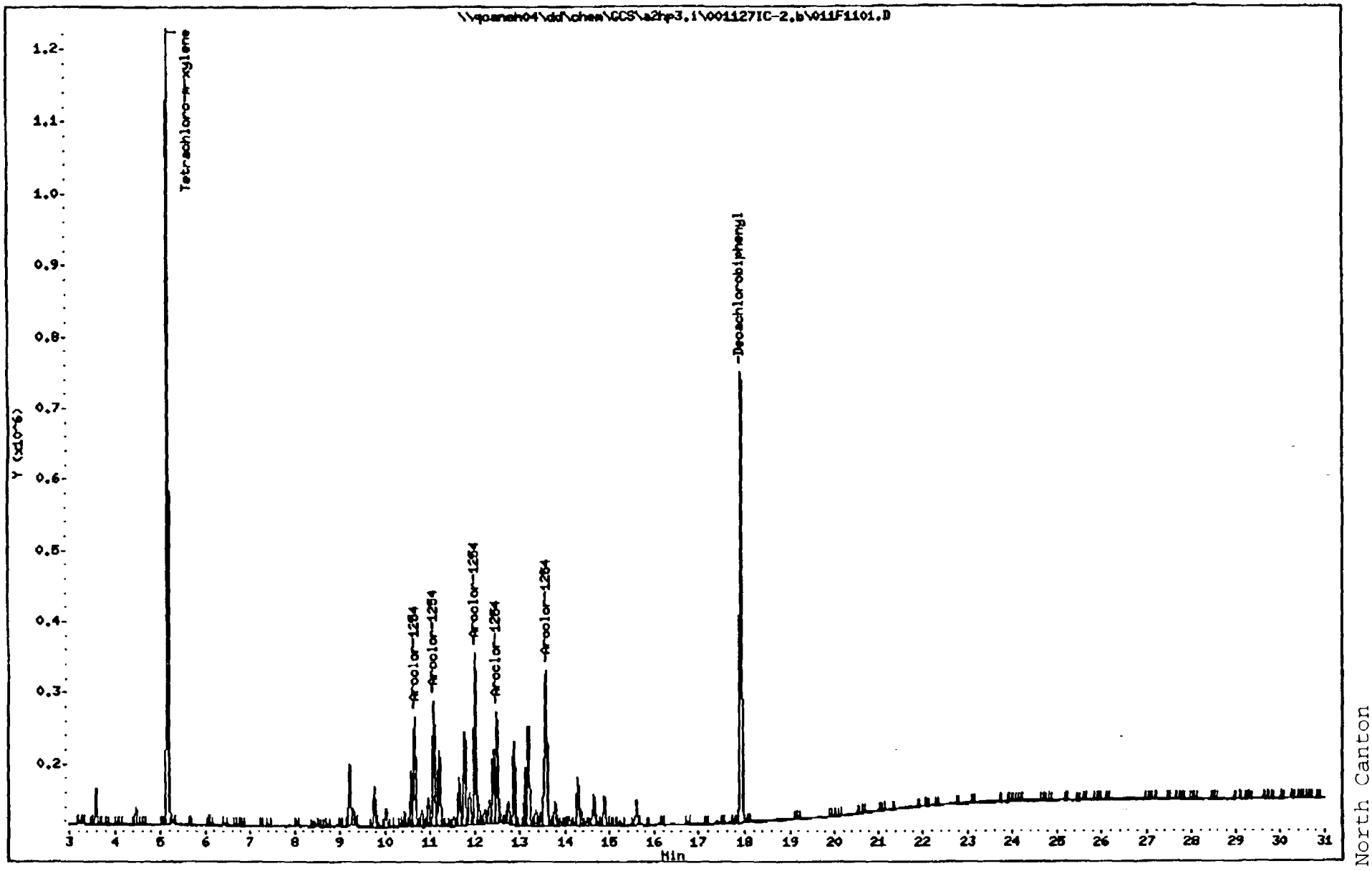
Sample Info: C669,,AR12541,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\012F1201.D
Lab Smp Id: C513 Client Smp ID: TOXAP1
Inj Date : 27-NOV-2000 20:40
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C513,,TOXAP1,1
Misc Info : TOXAPH.sub,,1
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 27-NOV-2000 20:40 Cal File: 012F1201.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
27 Toxaphene					CAS #: 8001-35-2		
12.453	12.450	(0.003)	1477770	0.50000	0.50	80.00- 120.00	100.00
13.171	13.170	(0.001)	1944085	0.50000	0.50	111.56- 151.56	131.56
14.710	14.710	(0.000)	2747391	0.50000	0.50	165.91- 205.91	185.91
15.922	15.920	(0.002)	1171953	0.50000	0.50	59.31- 99.31	79.31
Average of Peak Amounts =					0.5		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.169	5.170	(-0.001)	2899863	0.00500			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.921	17.920	(0.001)	2013902	0.01000			

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\012F1201.D

Date : 27-NOV-2000 20:40

Client ID: TOXAP1

Instrument: a2hp3.i

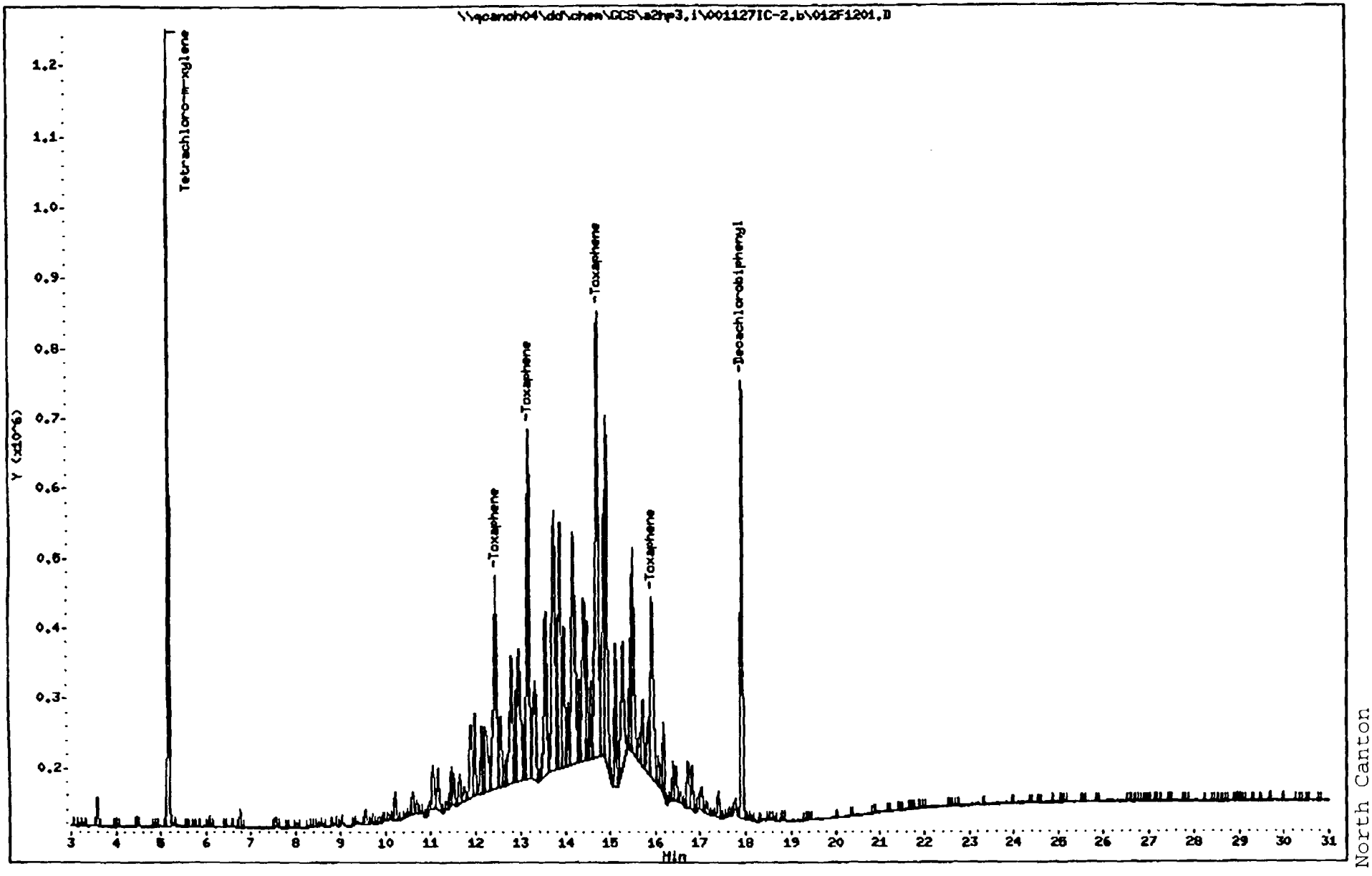
Sample Info: C513,,TOXAP1,1

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\020F1901.D
Lab Smp Id: C656 Client Smp ID: INDAM2
Inj Date : 29-NOV-2000 01:52
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM2,
Misc Info : INDA.SUB,,2
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.SUB
Target Version: 4.04 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3390492	0.02047	0.020		(R)
5 alpha-BHC					CAS #: 319-84-6		
5.324	5.321	(0.003)	5306851	0.02010	0.020		
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.045	6.042	(0.003)	4751044	0.02029	0.020		
9 Heptachlor					CAS #: 76-44-8		
7.072	7.071	(0.001)	4272500	0.02034	0.020		
15 Endosulfan I					CAS #: 959-98-8		
9.802	9.801	(0.001)	3367172	0.01993	0.020		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.313	10.310	(0.003)	7160871	0.03991	0.040		
21 Endrin					CAS #: 72-20-8		
10.747	10.743	(0.004)	5404320	0.04025	0.040		
24 4,4'-DDD					CAS #: 72-54-8		
11.167	11.166	(0.001)	4938285	0.03909	0.039		
25 4,4'-DDT					CAS #: 50-29-3		
11.717	11.720	(-0.003)	5116975	0.03957	0.040		
28 Methoxychlor					CAS #: 72-43-5		
12.862	12.860	(0.002)	10910739	0.19376	0.19		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	4839448	0.04168	0.042		(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-1.b\020F1901.D

Page 3

Date : 29-NOV-2000 01:52

Client ID: INDAH2

Instrument: a2hp3.i

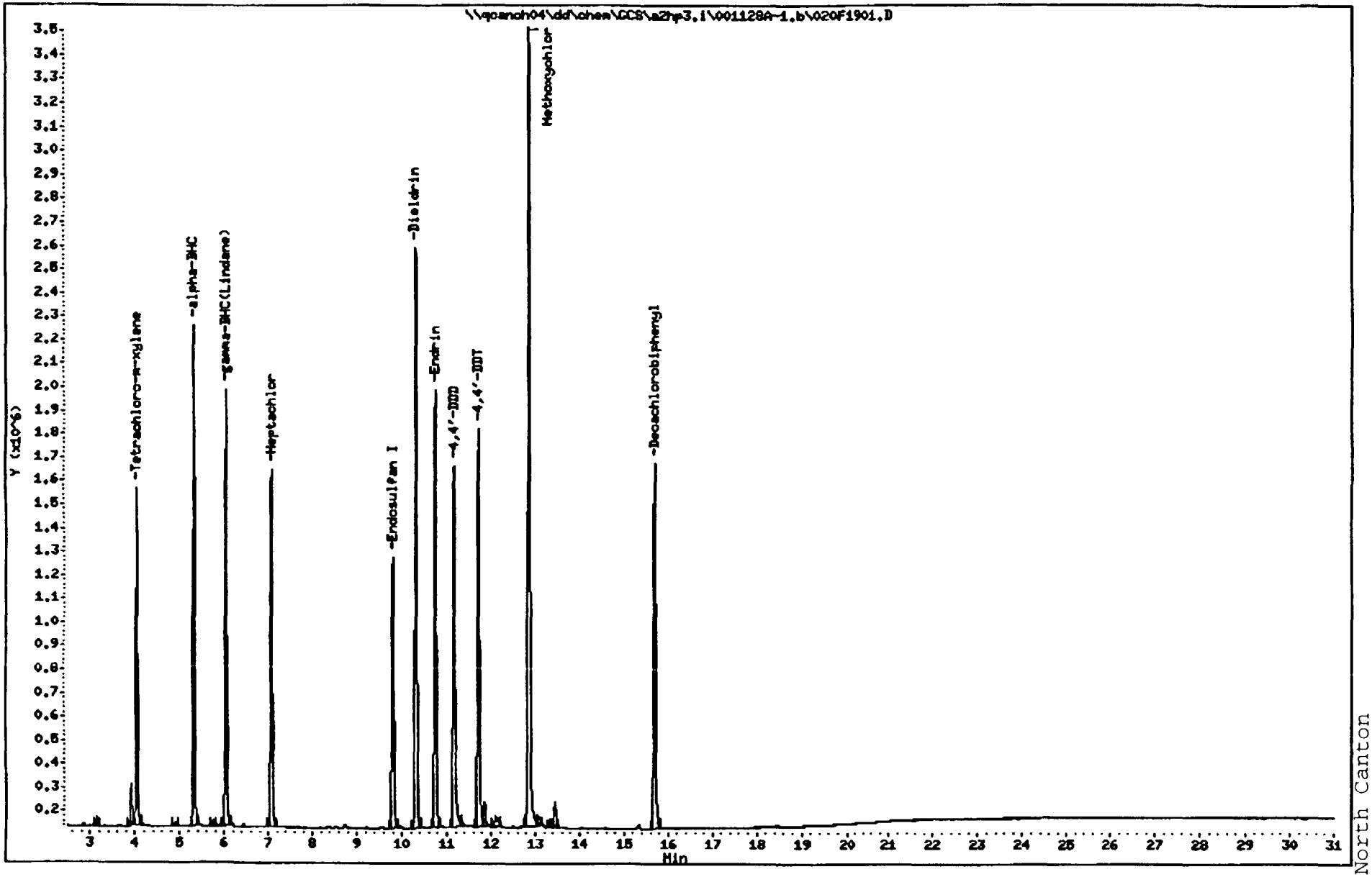
Sample Info: C686,,INDAH2,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: pestolpI

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\021F2001.D
Lab Smp Id: C657 Client Smp ID: INDBM2
Inj Date : 29-NOV-2000 02:30
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM2
Misc Info : INDB.SUB,,2
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.SUB
Target Version: 4.04 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	4125784	0.02101	0.021		
12 beta-BHC					CAS #: 319-85-7		
6.320	6.319	(0.001)	1995706	0.02125	0.021		
13 delta-BHC					CAS #: 319-86-8		
6.662	6.660	(0.002)	4729132	0.02114	0.021		
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.035	9.031	(0.004)	3744814	0.02130	0.021		
16 gamma-Chlordane					CAS #: 5103-74-2		
9.300	9.299	(0.001)	3788751	0.02135	0.021		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
9.584	9.582	(0.002)	3639669	0.02124	0.021		
18 4,4'-DDE					CAS #: 72-55-9		
9.950	9.949	(0.001)	6919929	0.04221	0.042		
23 Endosulfan II					CAS #: 33213-65-9		
11.216	11.213	(0.003)	6072157	0.04293	0.043		
26 Endrin aldehyde					CAS #: 7421-93-4		
12.101	12.100	(0.001)	4406428	0.04245	0.042		
27 Endosulfan sulfate					CAS #: 1031-07-8		
12.966	12.966	(0.000)	5336187	0.04235	0.042		
29 Endrin ketone					CAS #: 53494-70-5		
13.455	13.453	(0.002)	5995595	0.04269	0.043		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3437846	0.02075	0.021		(R)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	4846674	0.04175	0.042		(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qoanoh04\dd\ohem\GCS\a2hp3.i\001128A-1.b\021F2001.D

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Date : 29-NOV-2000 02:30

Client ID: INDBM2

Instrument: a2hp3.i

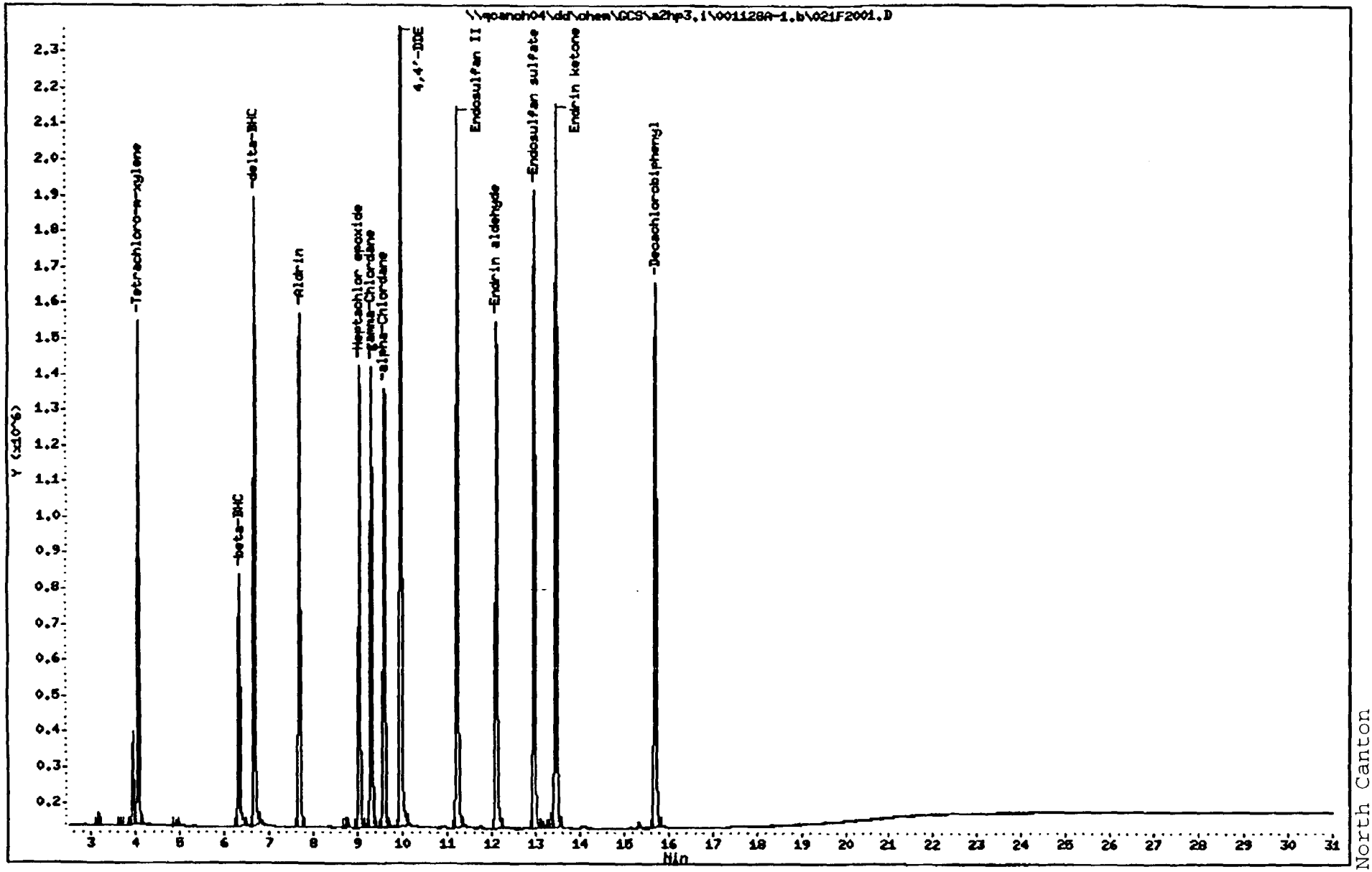
Sample Info: C657,,INDBM2

Volume Injected (uL): 1.0

Operator: 001754

Column phase: pestcolpl

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\020F1901.D
Lab Smp Id: C656 Client Smp ID: INDAM2
Inj Date : 29-NOV-2000 01:52
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM2,
Misc Info : INDA.SUB,,2
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.170	5.170	(0.000)	2830509	0.02000	0.020		
3 alpha-BHC						CAS #: 319-84-6	
6.764	6.761	(0.003)	4370478	0.02000	0.020		
8 gamma-BHC(Lindane)						CAS #: 58-89-9	
7.620	7.619	(0.001)	3958745	0.02000	0.020		
11 Heptachlor						CAS #: 76-44-8	
8.568	8.569	(-0.001)	3587069	0.02000	0.020		
15 Endosulfan I						CAS #: 959-98-8	
11.338	11.340	(-0.002)	2795283	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
18 Dieldrin					CAS #: 60-57-1			
11.919	11.920	(-0.001)	5944441	0.04000	0.039			
20 Endrin					CAS #: 72-20-8			
12.521	12.520	(0.001)	4716973	0.04000	0.039			
23 4,4'-DDD					CAS #: 72-54-8			
12.991	12.990	(0.001)	4259952	0.04000	0.038			
26 4,4'-DDT					CAS #: 50-29-3			
13.607	13.610	(-0.003)	4420564	0.04000	0.039			
29 Methoxychlor					CAS #: 72-43-5			
15.112	15.113	(-0.001)	9511462	0.20000	0.19			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.921	17.920	(0.001)	3618714	0.04000	0.041			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\020F1901.D

Page 3

Date : 29-NOV-2000 01:52

Client ID: INDAM2

Instrument: a2hp3.i

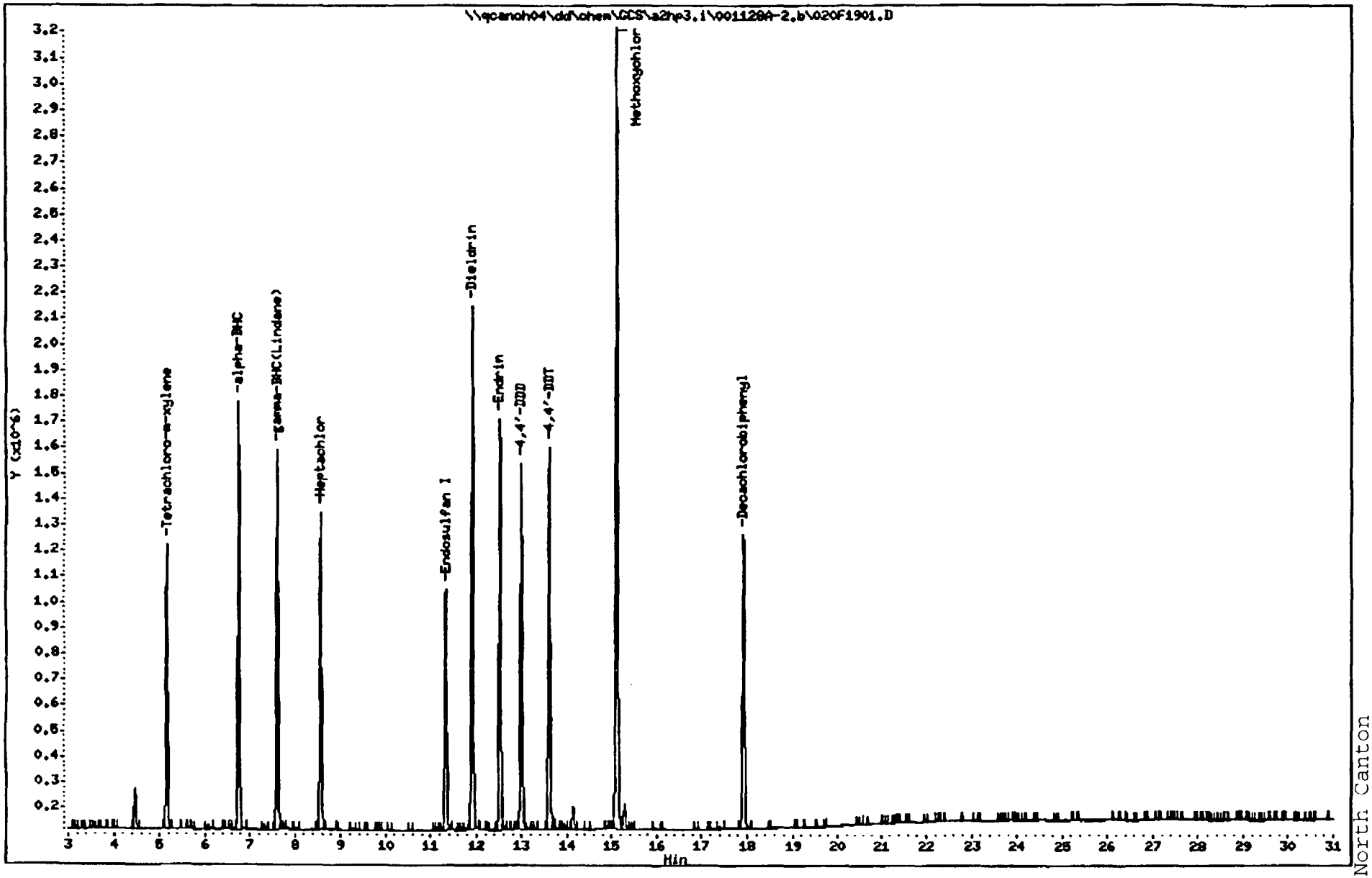
Sample Info: C656,,INDAM2,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



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STL North Canton

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\021F2001.D
Lab Smp Id: C657 Client Smp ID: INDBM2
Inj Date : 29-NOV-2000 02:30
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM2
Misc Info : INDB.SUB,,2
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

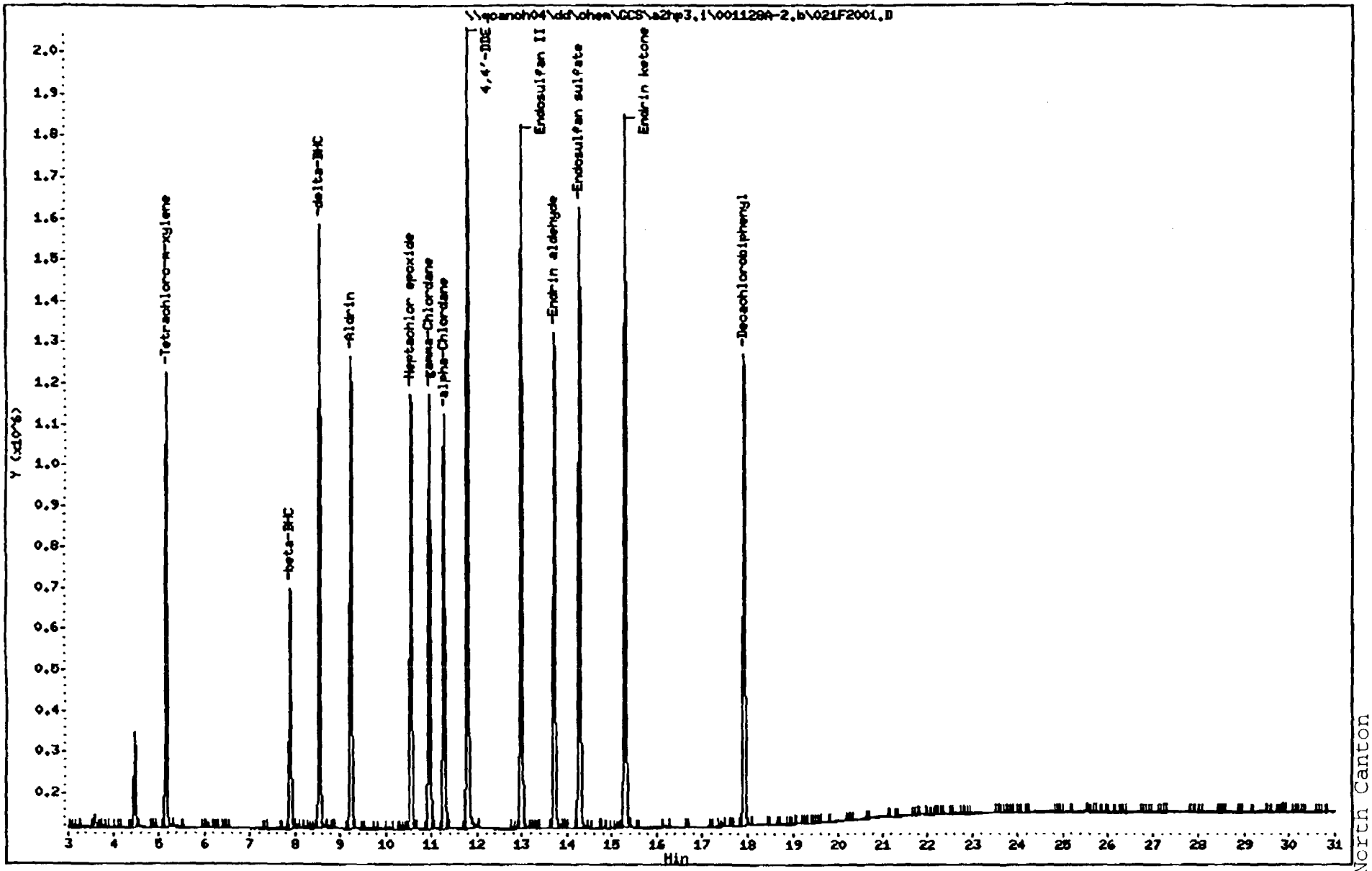
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin						CAS #: 309-00-2	
9.241	9.240	(0.001)	3394055	0.02000	0.020		
7 beta-BHC						CAS #: 319-85-7	
7.902	7.900	(0.002)	1645717	0.02000	0.020		
9 delta-BHC						CAS #: 319-86-8	
8.546	8.546	(0.000)	3912157	0.02000	0.020		
13 Heptachlor epoxide						CAS #: 1024-57-3	
10.556	10.553	(0.003)	3115258	0.02000	0.020		
14 gamma-Chlordane						CAS #: 5103-74-2	
10.961	10.960	(0.001)	3164895	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane						CAS #: 5103-71-9	
11.283	11.280	(0.003)	3028848	0.02000	0.020		
19 4,4'-DDE						CAS #: 72-55-9	
11.800	11.800	(0.000)	5774222	0.04000	0.041		
21 Endosulfan II						CAS #: 33213-65-9	
12.986	12.990	(-0.004)	5055640	0.04000	0.042		
24 Endrin aldehyde						CAS #: 7421-93-4	
13.715	13.710	(0.005)	3650489	0.04000	0.041		
25 Endosulfan sulfate						CAS #: 1031-07-8	
14.276	14.280	(-0.004)	4535669	0.04000	0.041		
28 Endrin ketone						CAS #: 53494-70-5	
15.287	15.290	(-0.003)	5123292	0.04000	0.041		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.171	5.170	(0.001)	2879409	0.02000	0.020		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
17.921	17.920	(0.001)	3633920	0.04000	0.041		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\021F2001.D
Date : 29-NOV-2000 02:30
Client ID: INDBH2
Sample Info: C657,,INDBH2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001784
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\005F0501.D
Lab Smp Id: C656 Client Smp ID: INDAM3
Inj Date : 29-NOV-2000 17:38
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM3,
Misc Info : INDA.SUB,,2
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001129A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:26 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.SUB
Target Version: 4.04 Sample Matrix: WATER

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.044	4.042	(0.002)	3362826	0.02000	0.020		
5 alpha-BHC						CAS #: 319-84-6	
5.322	5.321	(0.001)	5234487	0.02000	0.020		
7 gamma-BHC(Lindane)						CAS #: 58-89-9	
6.042	6.042	(0.000)	4672377	0.02000	0.020		
9 Heptachlor						CAS #: 76-44-8	
7.071	7.071	(0.000)	4205430	0.02000	0.020		
15 Endosulfan I						CAS #: 959-98-8	
9.801	9.801	(0.000)	3343151	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin						CAS #: 60-57-1	
10.311	10.310	(0.001)	7116196	0.04000	0.040		
21 Endrin						CAS #: 72-20-8	
10.743	10.743	(0.000)	5383984	0.04000	0.040		
24 4,4'-DDD						CAS #: 72-54-8	
11.165	11.166	(-0.001)	5001451	0.04000	0.040		
25 4,4'-DDT						CAS #: 50-29-3	
11.715	11.720	(-0.005)	5225335	0.04000	0.040		
28 Methoxychlor						CAS #: 72-43-5	
12.860	12.860	(0.000)	11573379	0.20000	0.20		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.696	15.700	(-0.004)	5241653	0.04000	0.045		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\005F0501.D

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Date : 29-NOV-2000 17:38

Client ID: INDAH3

Instrument: a2hp3.i

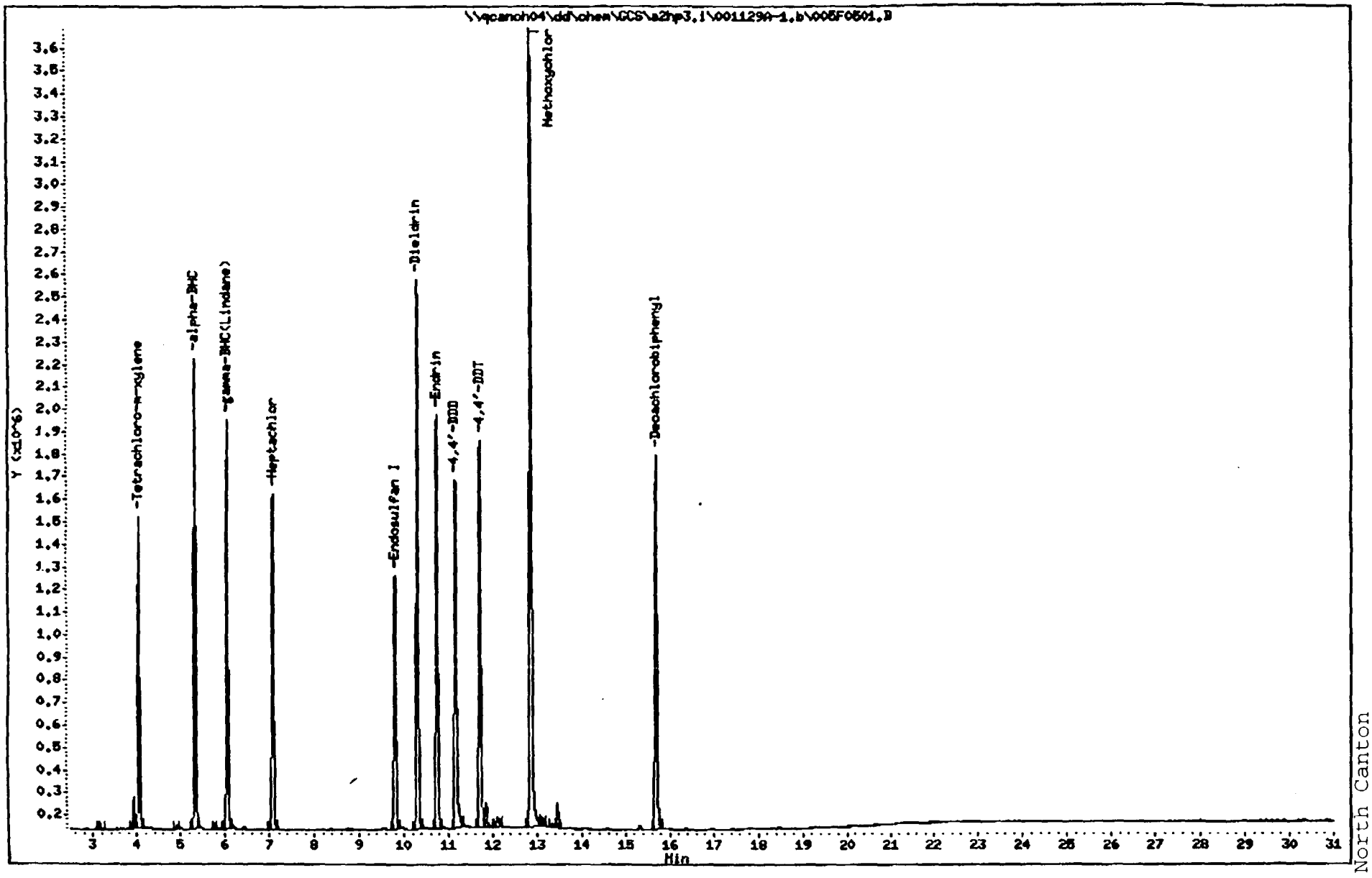
Sample Info: C656,,INDAH3,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\006F0601.D
Lab Smp Id: C657 Client Smp ID: INDBM3
Inj Date : 29-NOV-2000 18:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM3,
Misc Info : INDB.SUB,,2
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001129A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:26 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.SUB
Target Version: 4.04 Sample Matrix: WATER

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin						CAS #: 309-00-2	
7.680	7.679	(0.001)	3919841	0.02000	0.020		
12 beta-BHC						CAS #: 319-85-7	
6.320	6.319	(0.001)	1899880	0.02000	0.020		
13 delta-BHC						CAS #: 319-86-8	
6.663	6.660	(0.003)	4403452	0.02000	0.020		
14 Heptachlor epoxide						CAS #: 1024-57-3	
9.035	9.031	(0.004)	3561646	0.02000	0.020		
16 gamma-Chlordane						CAS #: 5103-74-2	
9.300	9.299	(0.001)	3602774	0.02000	0.020		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane						CAS #: 5103-71-9	
9.585	9.582	(0.003)	3465791	0.02000	0.020		
18 4,4'-DDE						CAS #: 72-55-9	
9.950	9.949	(0.001)	6535503	0.04000	0.040		
23 Endosulfan II						CAS #: 33213-65-9	
11.215	11.213	(0.002)	5903779	0.04000	0.042		
26 Endrin aldehyde						CAS #: 7421-93-4	
12.100	12.100	(0.000)	4337251	0.04000	0.042		
27 Endosulfan sulfate						CAS #: 1031-07-8	
12.965	12.966	(-0.001)	5259088	0.04000	0.042		
29 Endrin ketone						CAS #: 53494-70-5	
13.455	13.453	(0.002)	5960316	0.04000	0.042		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.046	4.042	(0.004)	3266548	0.02000	0.020		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.698	15.700	(-0.002)	4882590	0.04000	0.042		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\006F0601.D

Page 3

Date : 29-NOV-2000 18:16

Client ID: IMDBH3

Instrument: a2hp3.i

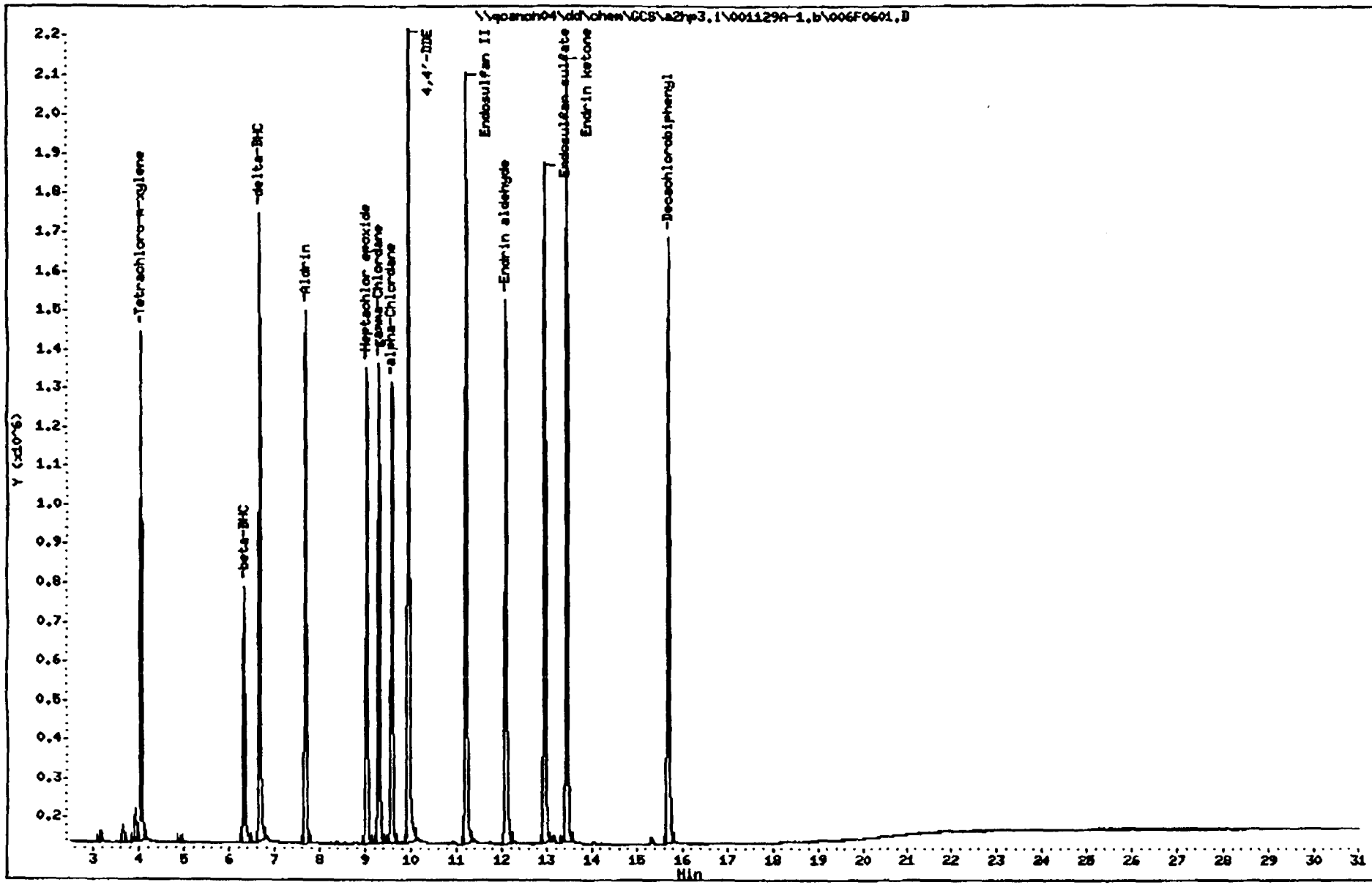
Sample Info: C657,,IMDBH3,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\005F0501.D
Lab Smp Id: C656 Client Smp ID: INDAM3
Inj Date : 29-NOV-2000 17:38
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C656,,INDAM3,
Misc Info : INDA.SUB,,2
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:38 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.168	5.170	(-0.002)	2785560	0.02000	0.020		
3 alpha-BHC						CAS #: 319-84-6	
6.761	6.761	(0.000)	4284374	0.02000	0.019		
8 gamma-BHC(Lindane)						CAS #: 58-89-9	
7.618	7.619	(-0.001)	3894789	0.02000	0.019		
11 Heptachlor						CAS #: 76-44-8	
8.566	8.569	(-0.003)	3507782	0.02000	0.020		
15 Endosulfan I						CAS #: 959-98-8	
11.334	11.340	(-0.006)	2773693	0.02000	0.019		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
18 Dieldrin						CAS #: 60-57-1		
11.916	11.920	(-0.004)	5906727	0.04000	0.039			
20 Endrin						CAS #: 72-20-8		
12.519	12.520	(-0.001)	4678703	0.04000	0.039			
23 4,4'-DDD						CAS #: 72-54-8		
12.989	12.990	(-0.001)	4301025	0.04000	0.039			
26 4,4'-DDT						CAS #: 50-29-3		
13.604	13.610	(-0.006)	4487472	0.04000	0.040			
29 Methoxychlor						CAS #: 72-43-5		
15.111	15.113	(-0.002)	10016395	0.20000	0.20			(a)
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.919	17.920	(-0.001)	3846224	0.04000	0.043			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\006F0601.D

Page 3

Date : 29-NOV-2000 17:38

Client ID: INDAH3

Instrument: a2hp3.i

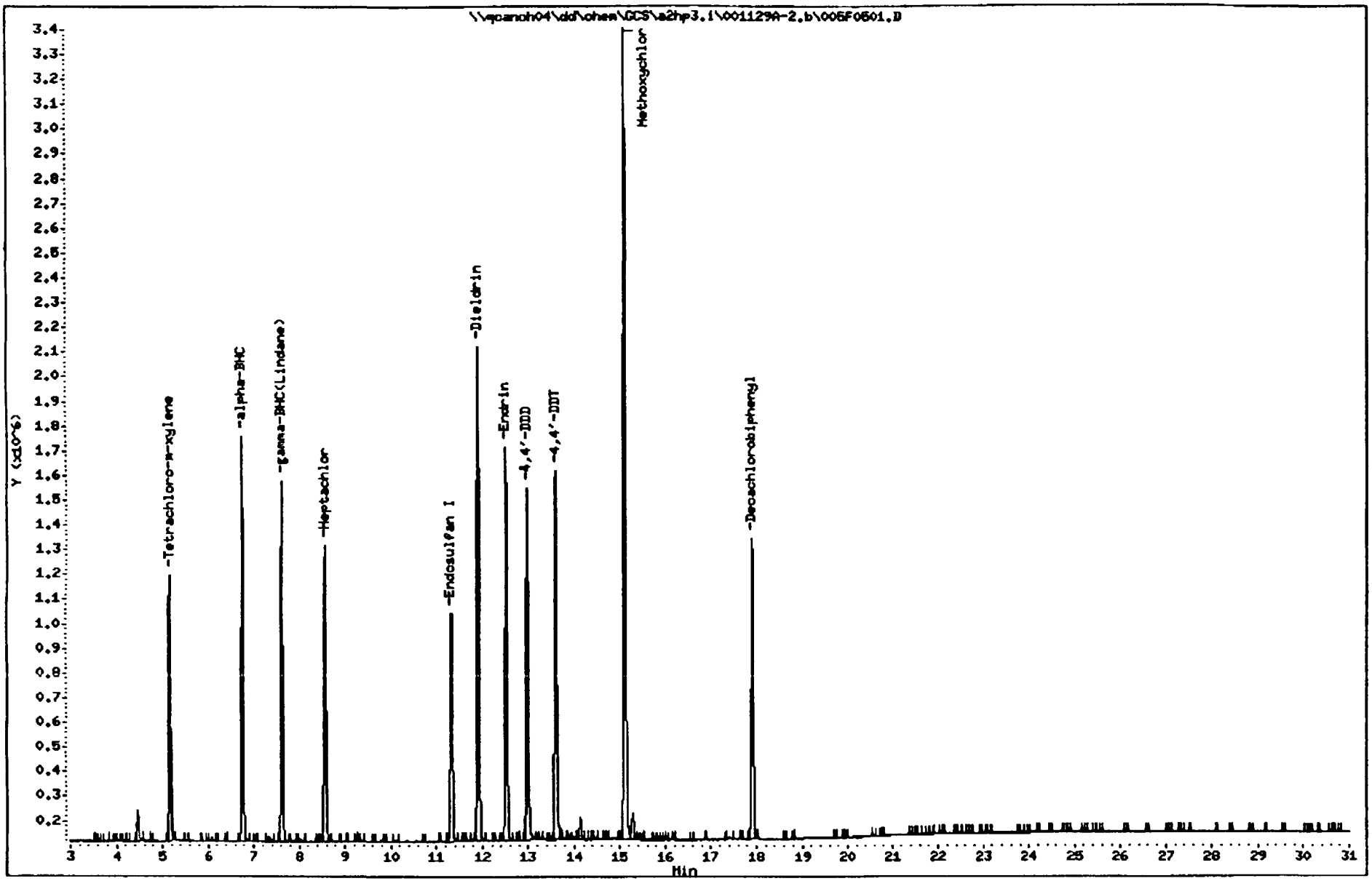
Sample Info: C656,,INDAH3,

Volume Injected (uL): 1.0

Operator: 001764

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\006F0601.D
Lab Smp Id: C657 Client Smp ID: INDBM3
Inj Date : 29-NOV-2000 18:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C657,,INDBM3,
Misc Info : INDB.SUB,,2
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:38 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin						CAS #: 309-00-2	
9.240	9.240	(0.000)	3218486	0.02000	0.019		
7 beta-BHC						CAS #: 319-85-7	
7.900	7.900	(0.000)	1560198	0.02000	0.019		
9 delta-BHC						CAS #: 319-86-8	
8.546	8.546	(0.000)	3658468	0.02000	0.019		
13 Heptachlor epoxide						CAS #: 1024-57-3	
10.553	10.553	(0.000)	2953651	0.02000	0.019		
14 gamma-Chlordane						CAS #: 5103-74-2	
10.960	10.960	(0.000)	3003182	0.02000	0.019		

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.282	11.280	(0.002)	2880389	0.02000	0.020		
19 4,4'-DDE					CAS #: 72-55-9		
11.798	11.800	(-0.002)	5452273	0.04000	0.039		
21 Endosulfan II					CAS #: 33213-65-9		
12.986	12.990	(-0.004)	4867864	0.04000	0.040		
24 Endrin aldehyde					CAS #: 7421-93-4		
13.714	13.710	(0.004)	3598385	0.04000	0.041		
25 Endosulfan sulfate					CAS #: 1031-07-8		
14.276	14.280	(-0.004)	4419237	0.04000	0.040		
28 Endrin ketone					CAS #: 53494-70-5		
15.286	15.290	(-0.004)	5068711	0.04000	0.041		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	2723050	0.02000	0.019		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.921	17.920	(0.001)	3619049	0.04000	0.041		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\006F0601.D

Page 3

Date : 29-NOV-2000 18:16

Client ID: INDBH3

Instrument: a2hp3.i

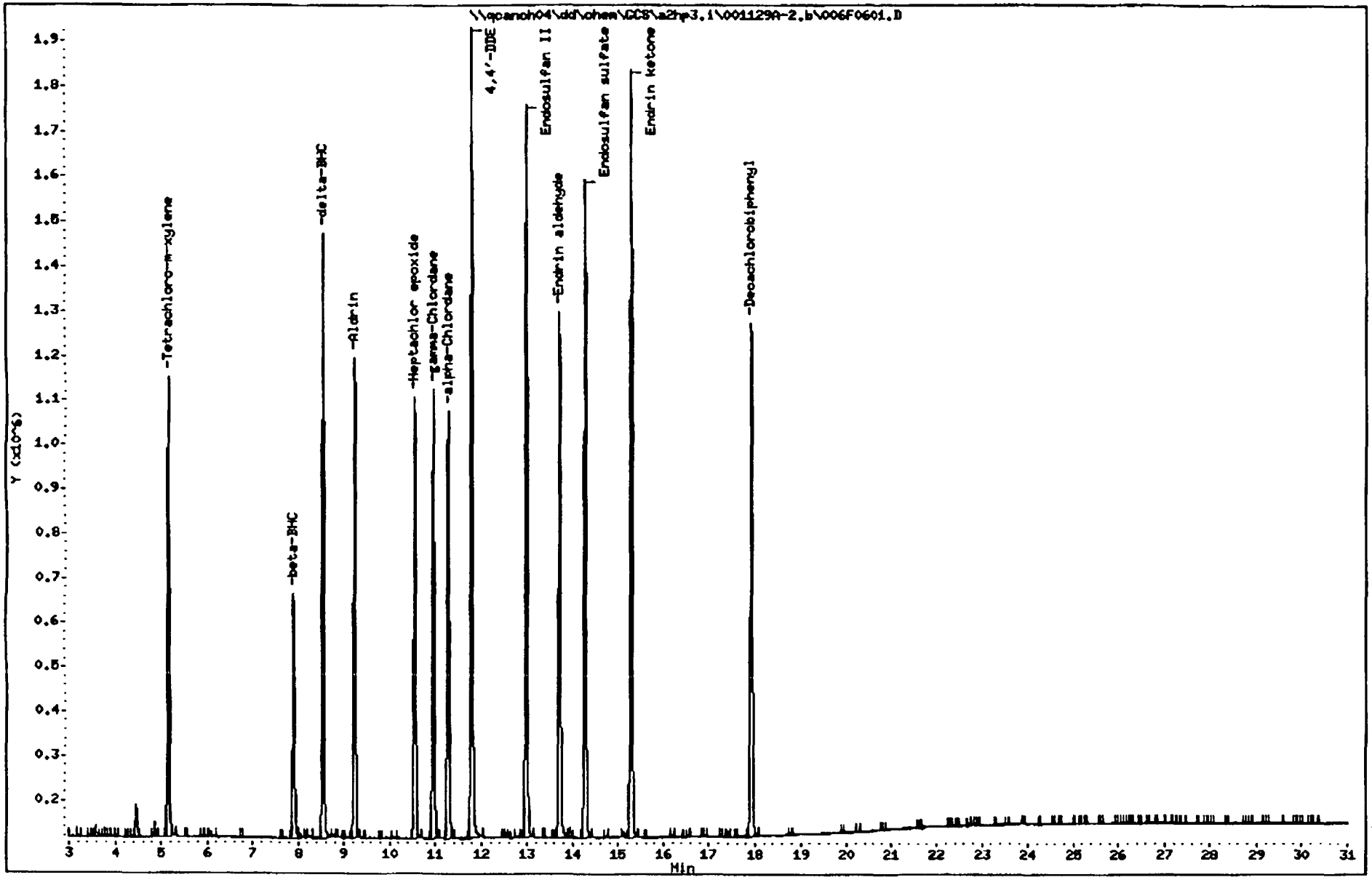
Sample Info: C657,,INDBH3,

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



QUANTERRA-NORTH CANTON

Data file : /chem/can/gcs/a2hp1.i/f1339467.b/057f5701.d
Lab Smp Id: FLOR4 Client Smp ID: FLOR LOT 339467
Inj Date : 16-SEP-1999 21:06
Operator : Kuster Inst ID: a2hp1.i
Smp Info : FLOR4
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp1.i/f1339467.b/clp18b.m
Meth Date : 11-Nov-1999 12:25 dempstes Quant Type: ESTD
Cal Date : 24-MAR-1999 02:24 Cal File: 003r0101.d
Als bottle: 57 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flor.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #:		
4.886	4.986	-0.100	36659238	0.00863	8.6	80.00- 120.00	100.00
31 2,4,5-Trichlorophenol					CAS #:		
2.434	2.534	-0.100	8908368	0.00118	1.2	80.00- 120.00	100.00(a)
3 alpha-BHC					CAS #: 319-84-6		
6.450	6.550	-0.100	54426896	0.00881	8.8	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.294	7.394	-0.100	43947499	0.00811	8.1	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.243	8.343	-0.100	40035737	0.00899	9.0	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endosulfan I					CAS #: 959-98-8		
10.946	11.086	-0.140	37789490	0.00906	9.0	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
11.522	11.662	-0.140	76460106	0.01842	18	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.119	12.259	-0.140	60588100	0.01979	20	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.698	12.838	-0.140	52411735	0.01836	18	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
13.787	13.927	-0.140	48858732	0.01970	20	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
19.486	19.626	-0.140	99780301	0.09579	96	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
24.828	25.028	-0.200	43016830	0.01894	19	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp1.i/f1339467.b/057f5701.d

Page 3

Date : 16-SEP-1999 21:06

Client ID: FLOR LOT 339467

Instrument: a2hp1.i

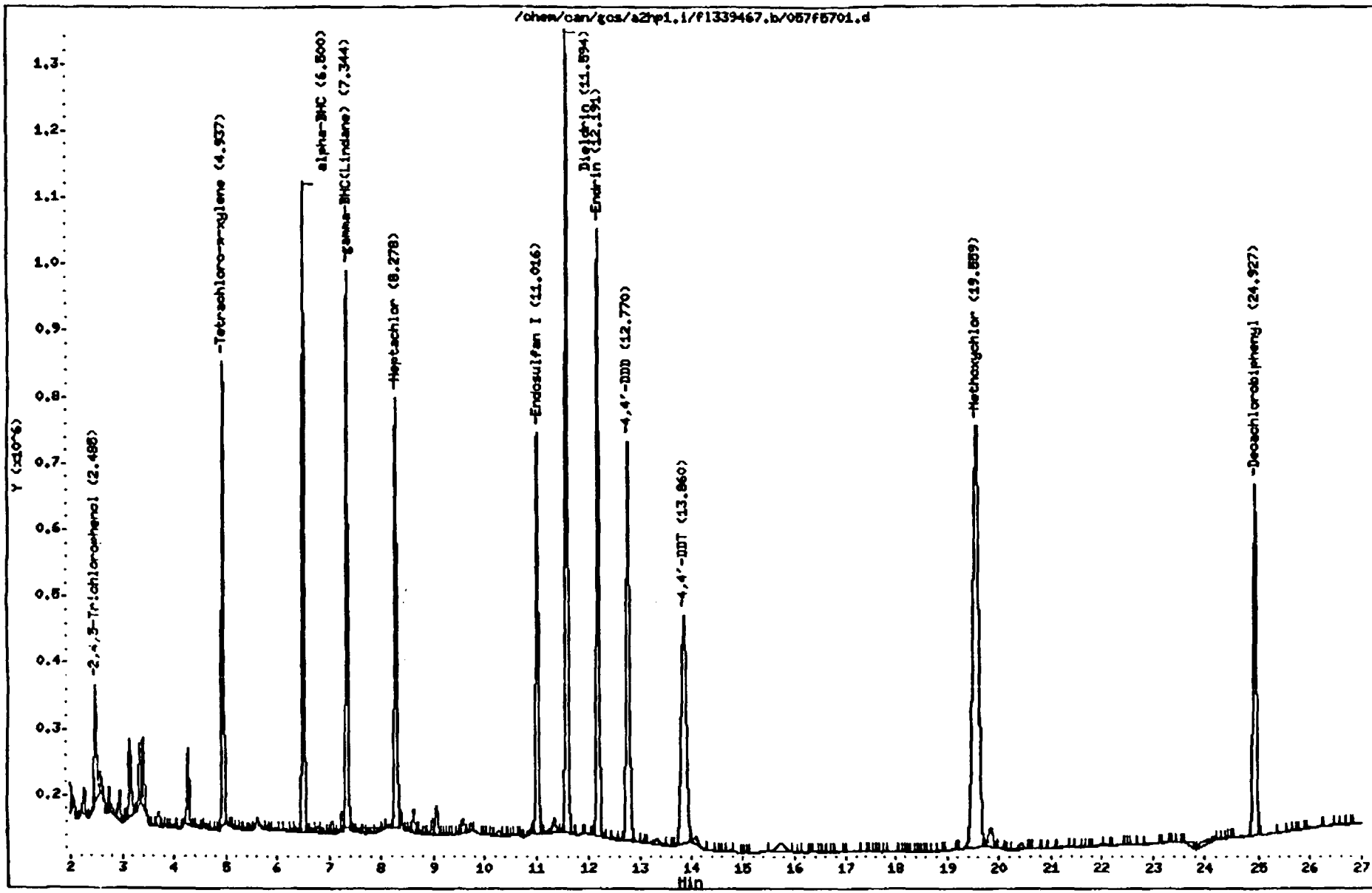
Sample Info: FLOR4

Volume Injected (uL): 1.0

Operator: Kuster

Column phase: RTx-5

Column diameter: 0.53



QUANTERRA-NORTH CANTON

Data file : /chem/can/gcs/a2hp1.i/fl339467.b/054f5401.d
Lab Smp Id: TCP 0.01
Inj Date : 16-SEP-1999 19:28
Operator : Kuster Inst ID: a2hp1.i
Smp Info : TCP 0.01
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp1.i/fl339467.b/clp18b.m
Meth Date : 11-Nov-1999 12:25 dempstes Quant Type: ESTD
Cal Date : 24-MAR-1999 02:24 Cal File: 003r0101.d
Als bottle: 54 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: TCP.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
31 2,4,5-Trichlorophenol					CAS #:		
2.434	2.534	-0.100	75799471	0.01000	0.010	80.00- 120.00	100.00(a)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp1.i/f1339467.b/054f5401.d

Date : 16-SEP-1999 19:28

Client ID:

Sample Info: TCP 0.01

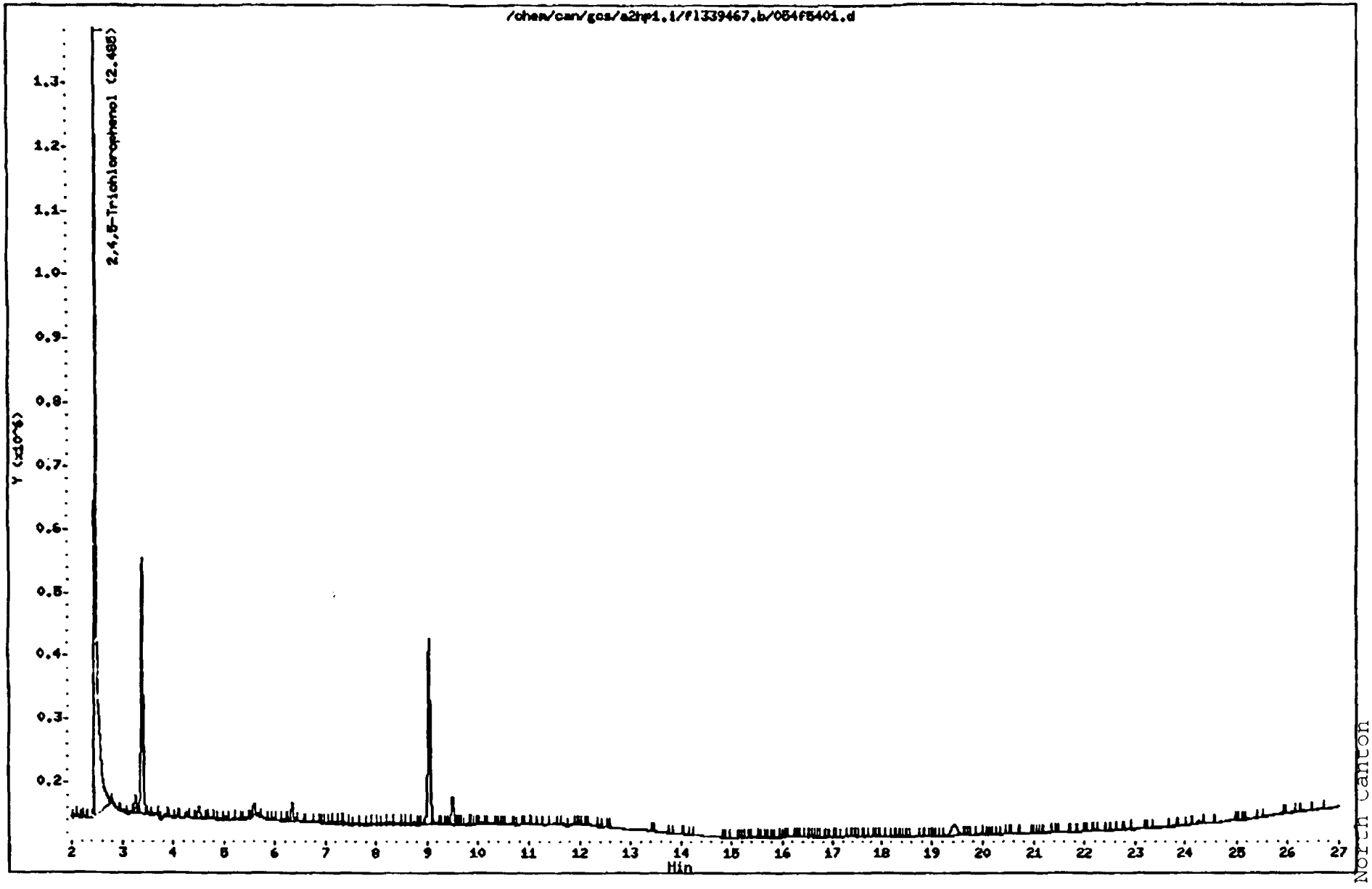
Volume Injected (uL): 1.0

Column phase: RTx-5

Instrument: a2hp1.i

Operator: Kuster

Column diameter: 0.53



QUANTERRA-NORTH CANTON

Data file : /chem/can/gcs/a2hp1.i/f1339467.b/048f4801.d
Lab Smp Id: AM Client Smp ID: INDAM
Inj Date : 16-SEP-1999 16:13
Operator : Kuster Inst ID: a2hp1.i
Smp Info : AM
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp1.i/f1339467.b/clp18b.m
Meth Date : 11-Nov-1999 12:25 dempstes Quant Type: ESTD
Cal Date : 16-FEB-1999 11:07 Cal File: 016r0101.d
Als bottle: 48 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

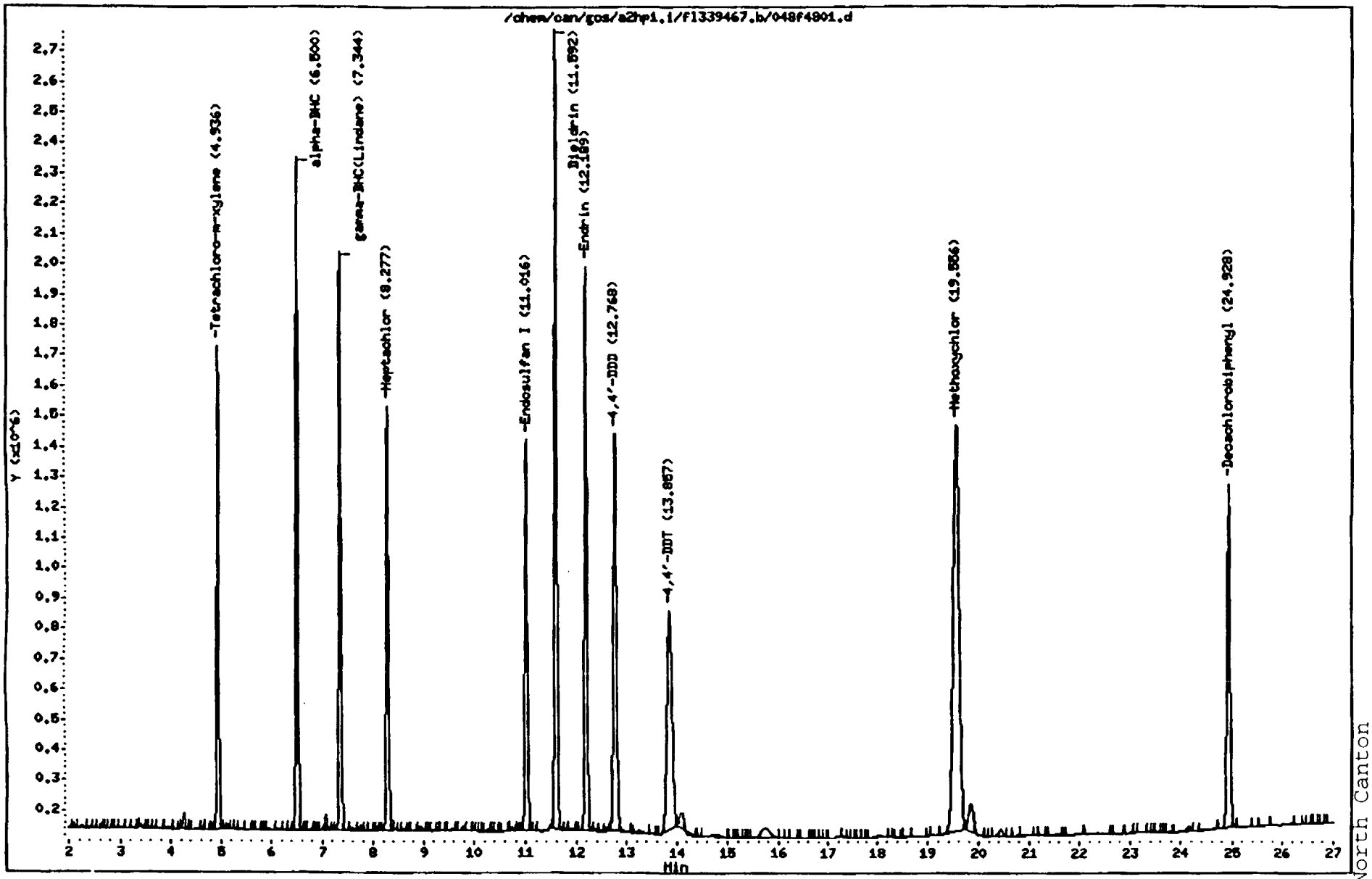
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #:		
4.886	4.986	-0.100	84956975	0.02000	0.020	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
6.450	6.550	-0.100	123552416	0.02000	0.020	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.294	7.394	-0.100	108377557	0.02000	0.020	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.243	8.343	-0.100	89060868	0.02000	0.020	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.946	11.086	-0.140	83447430	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.522	11.662	-0.140	166081367	0.04000	0.040	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.119	12.259	-0.140	122477379	0.04000	0.040	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.698	12.838	-0.140	114176606	0.04000	0.040	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
13.787	13.927	-0.140	99182820	0.04000	0.040	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
19.486	19.626	-0.140	208337027	0.20000	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
24.828	25.028	-0.200	90862563	0.04000	0.040	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp1.i/f1339467.b/048f4901.d
Date : 16-SEP-1999 16:13
Client ID: INDAH
Sample Info: AH
Volume Injected (uL): 1.0
Column phase: RTx-5

Instrument: a2hp1.i
Operator: Kuster
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129B-1.b\027F2701.D
Lab Smp Id: GPC 11-10 Client Smp ID: GPC 11-10
Inj Date : 30-NOV-2000 14:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : GPC 11-10
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001129B-1.b\CLP30A.m
Meth Date : 08-Dec-2000 12:43 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 27 QC Sample: GPCCAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: gpc.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANP1037

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.044	6.042	(0.002)	19707345	0.08417	0.42		
9 Heptachlor					CAS #: 76-44-8		
7.071	7.071	(0.000)	18623640	0.08865	0.44		
10 Aldrin					CAS #: 309-00-2		
7.679	7.679	(0.000)	17421268	0.08870	0.44		
19 Dieldrin					CAS #: 60-57-1		
10.312	10.310	(0.002)	30105259	0.16779	0.84		
21 Endrin					CAS #: 72-20-8		
10.745	10.743	(0.002)	22088437	0.16449	0.82		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
25 4,4'-DDT					CAS #: 50-29-3			
11.715	11.720	(-0.005)	23409931	0.18103	0.90			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.622	15.700	(-0.078)	547296	0.00471	0.024			(R)

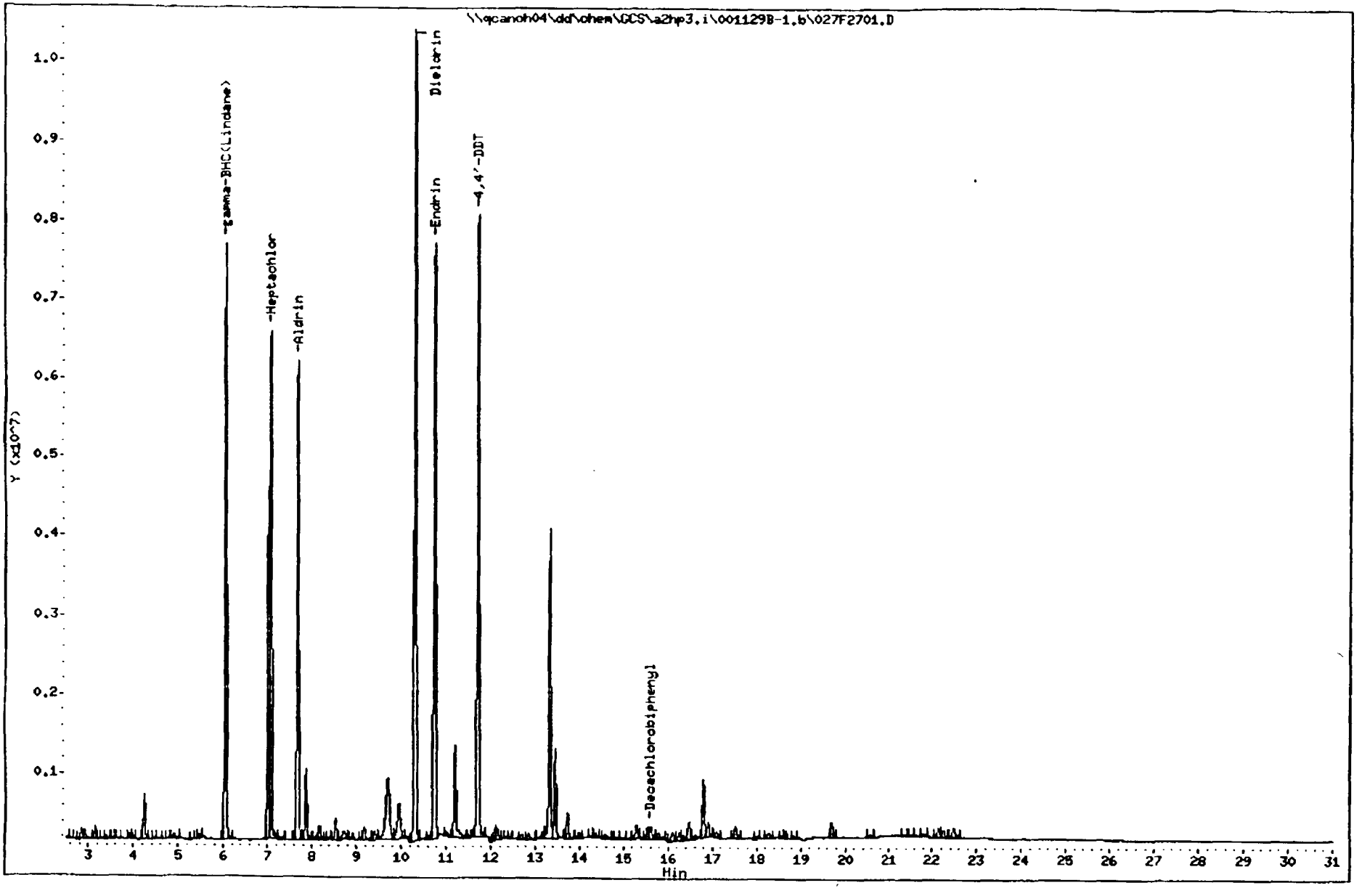
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001129B-1.b\027F2701.D
Date : 30-NOV-2000 14:03
Client ID: GPC 11-10
Sample Info: GPC 11-10
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\027F2601.D
Lab Smp Id: PCBCK 11-14
Inj Date : 29-NOV-2000 06:13
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PCBCK 11-14
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 08-Dec-2000 13:31 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
3 Aroclor-1016					CAS #: 12674-11-2		
4.958	4.952	(0.006)	4372921	1.28562	6.4	80.00- 120.00	100.00
5.760	5.759	(0.001)	8504322	1.39530	7.0	159.19- 199.19	194.48
6.773	6.771	(0.002)	19799287	1.75149	8.8	312.34- 352.34	452.77
7.053	7.051	(0.002)	8228601	1.68864	8.4	123.26- 163.26	188.17
7.943	7.941	(0.002)	7870641	1.51719	7.6	132.51- 172.51	179.99
		Average of Peak Concentrations =			7.6		
20 Aroclor-1260					CAS #: 11096-82-5		
10.485	10.480	(0.005)	10747680	1.68183	8.4	80.00- 120.00	100.00
11.059	11.060	(-0.001)	19668757	1.72363	8.6	158.57- 198.57	183.00
11.605	11.610	(-0.005)	19676358	1.98176	9.9	135.37- 175.37	183.08
12.332	12.330	(0.002)	9724448	1.59424	8.0	75.45- 115.45	90.48

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
20 Aroclor-1260 (continued)							
13.509	13.510	(-0.001)	11904154	1.74813	8.7	86.56- 126.56	110.76
Average of Peak Concentrations =					8.7		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.069	4.042	(0.027)	352812	0.00213	0.011		(R)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.697	15.700	(-0.003)	211881	0.00182	0.0091		(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\027F2601.D

Date : 29-NOV-2000 06:13

Client ID:

Sample Info: PCBCK 11-14

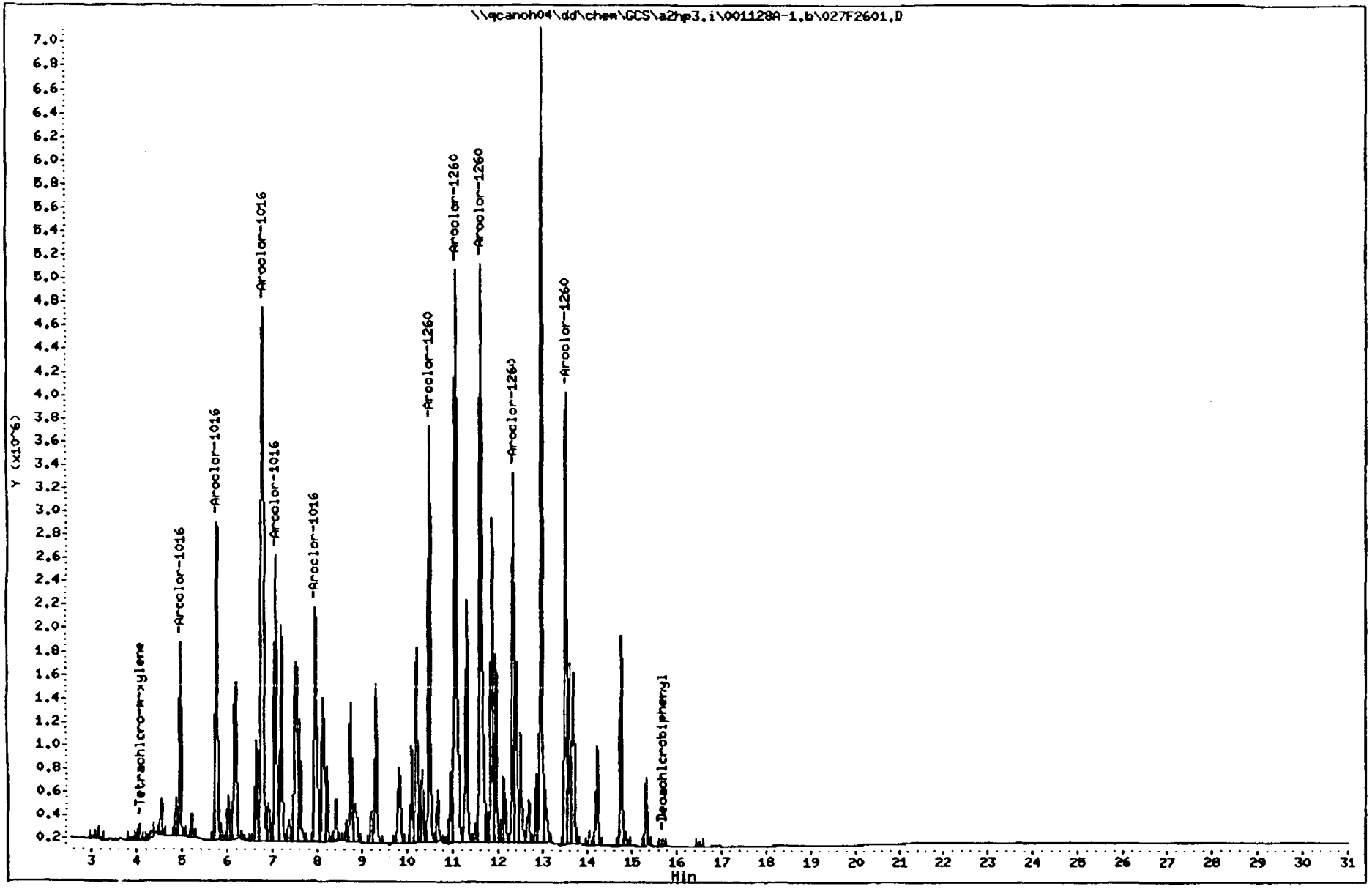
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

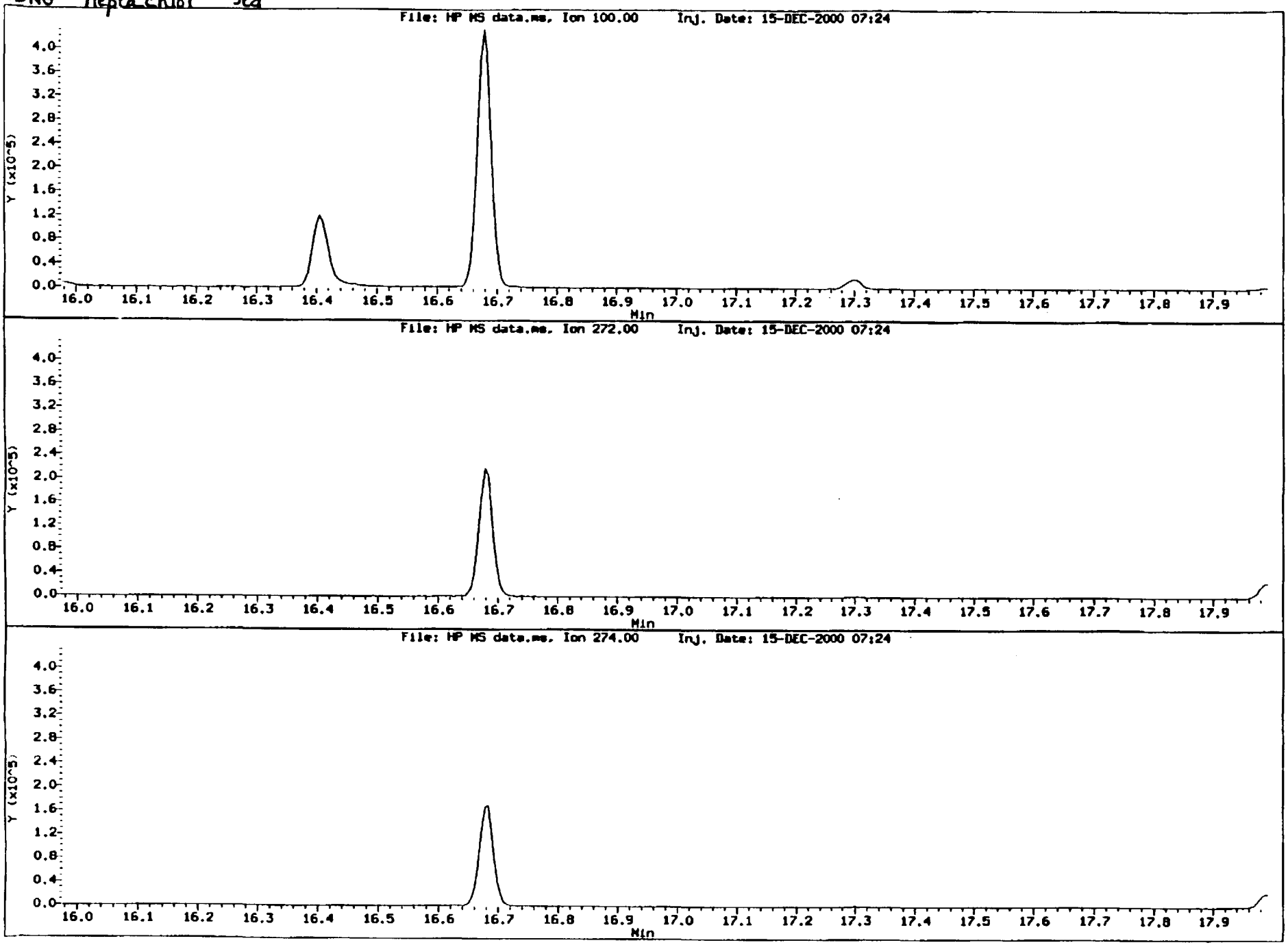
Instrument: a2hp3.i

Operator: 001754

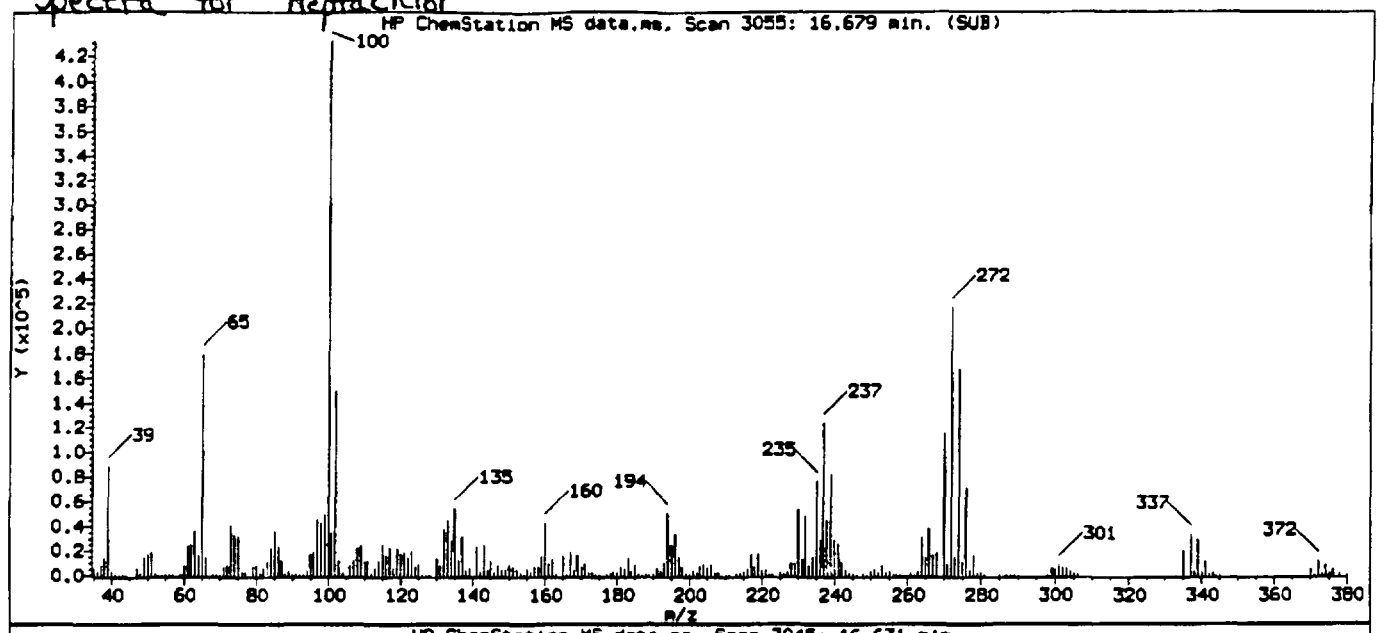
Column diameter: 0.53

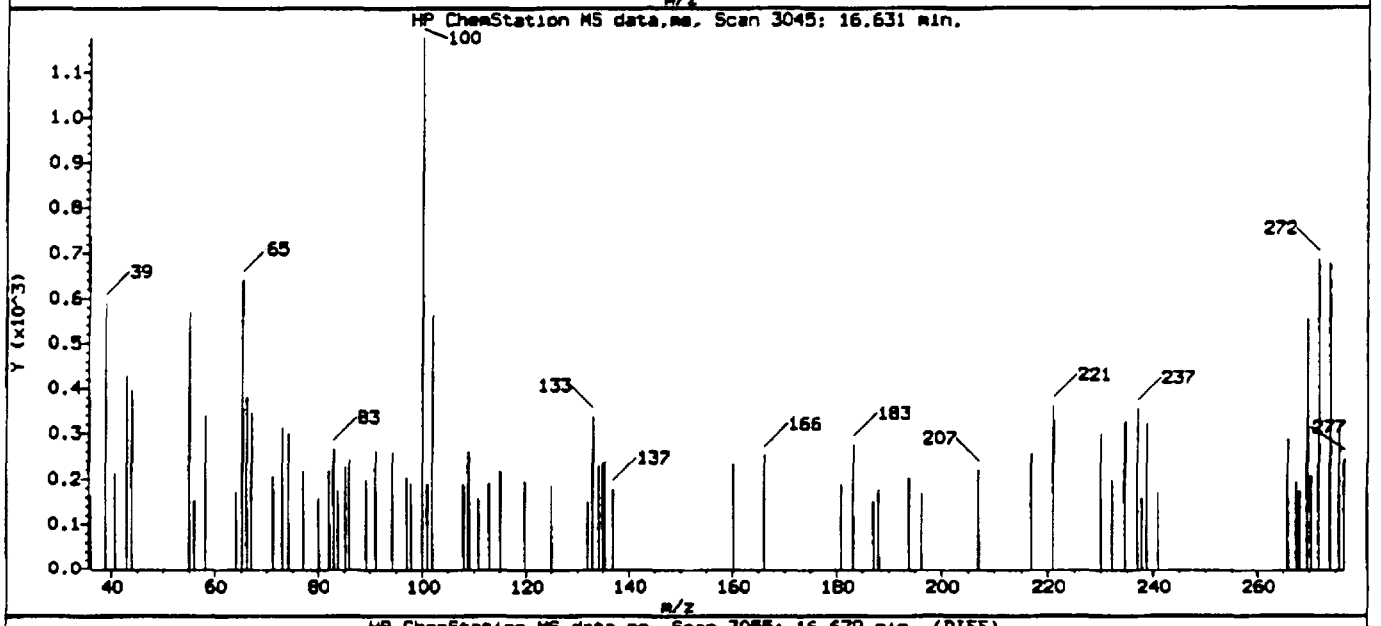


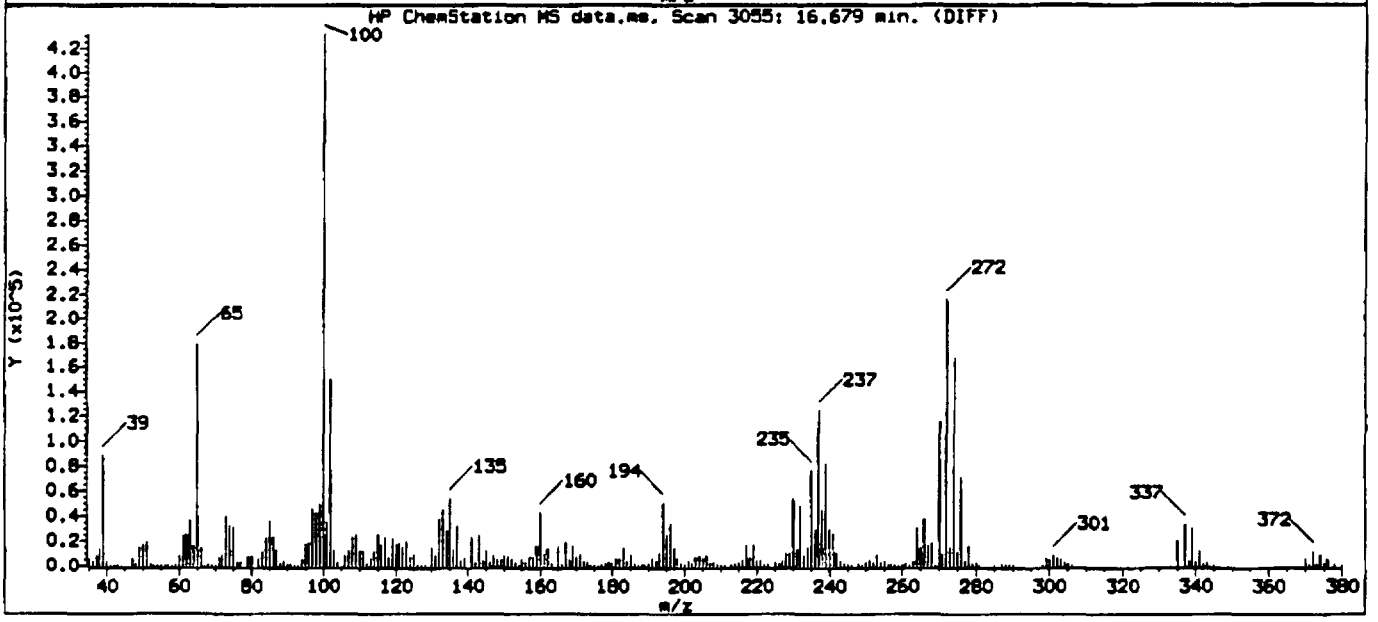
20NG Heptachlor Std



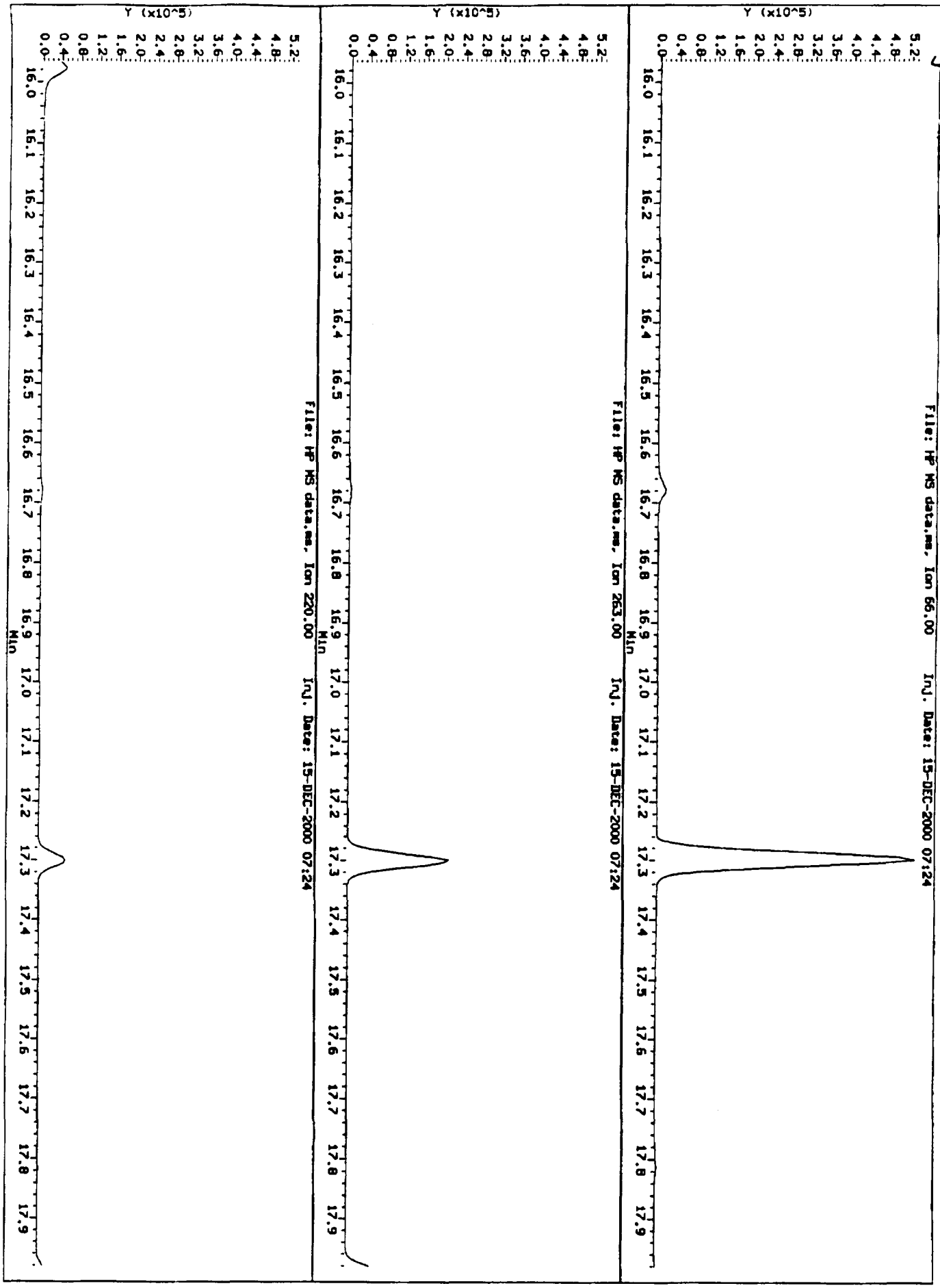
Spectra for Heptachlor



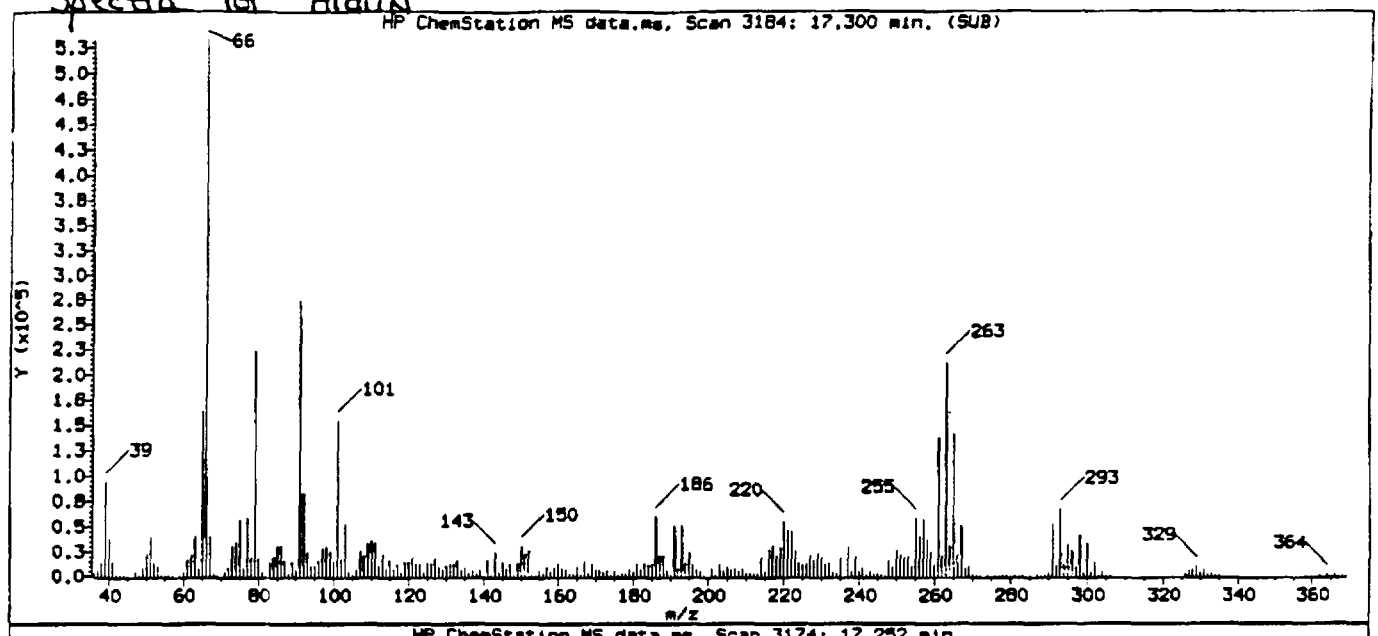


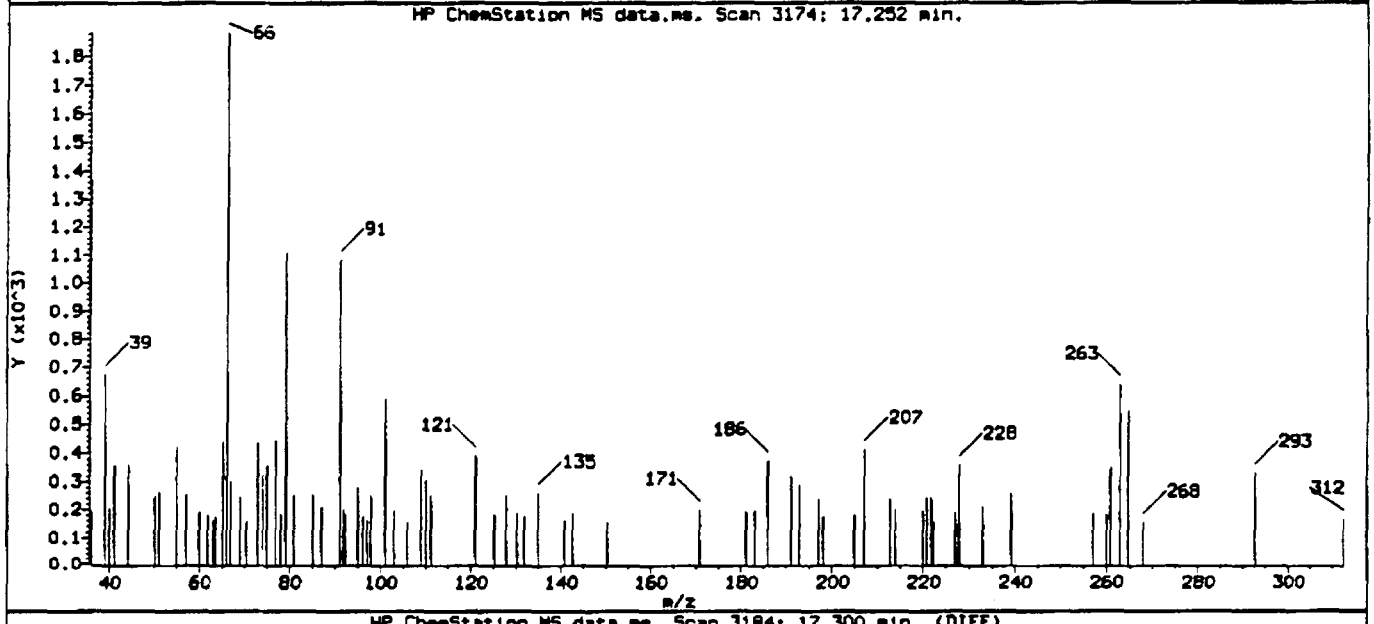


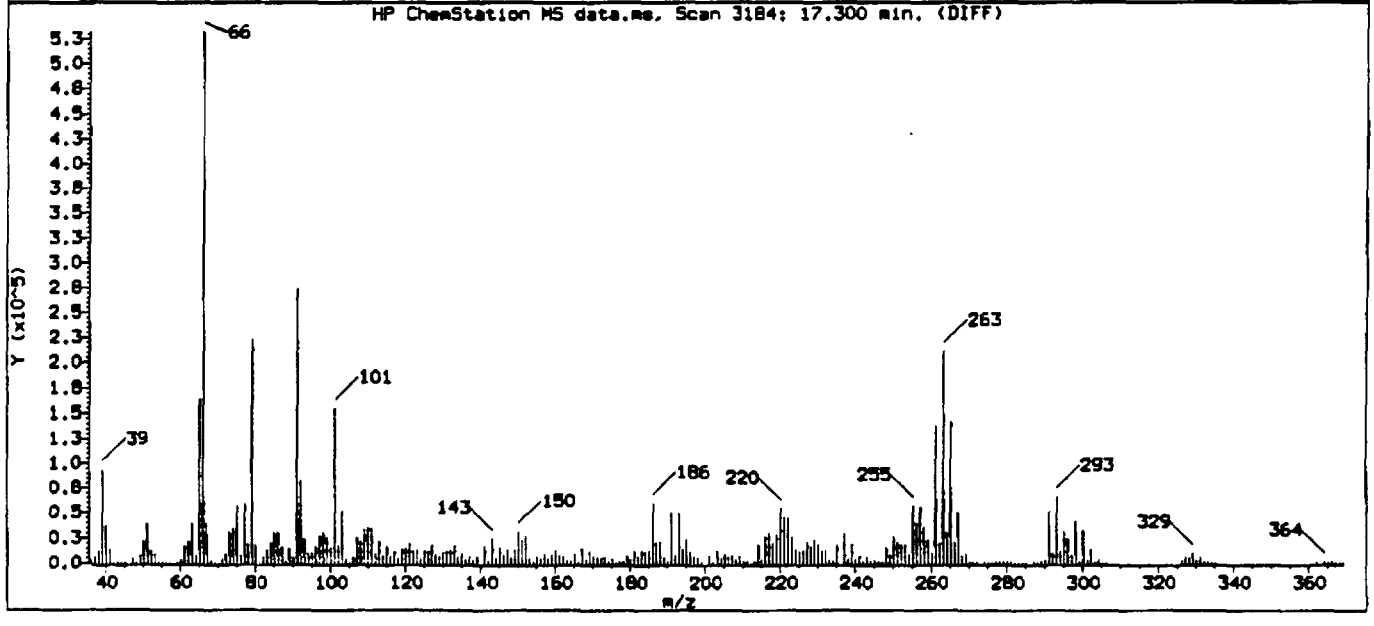
20 ng Aldrin Std



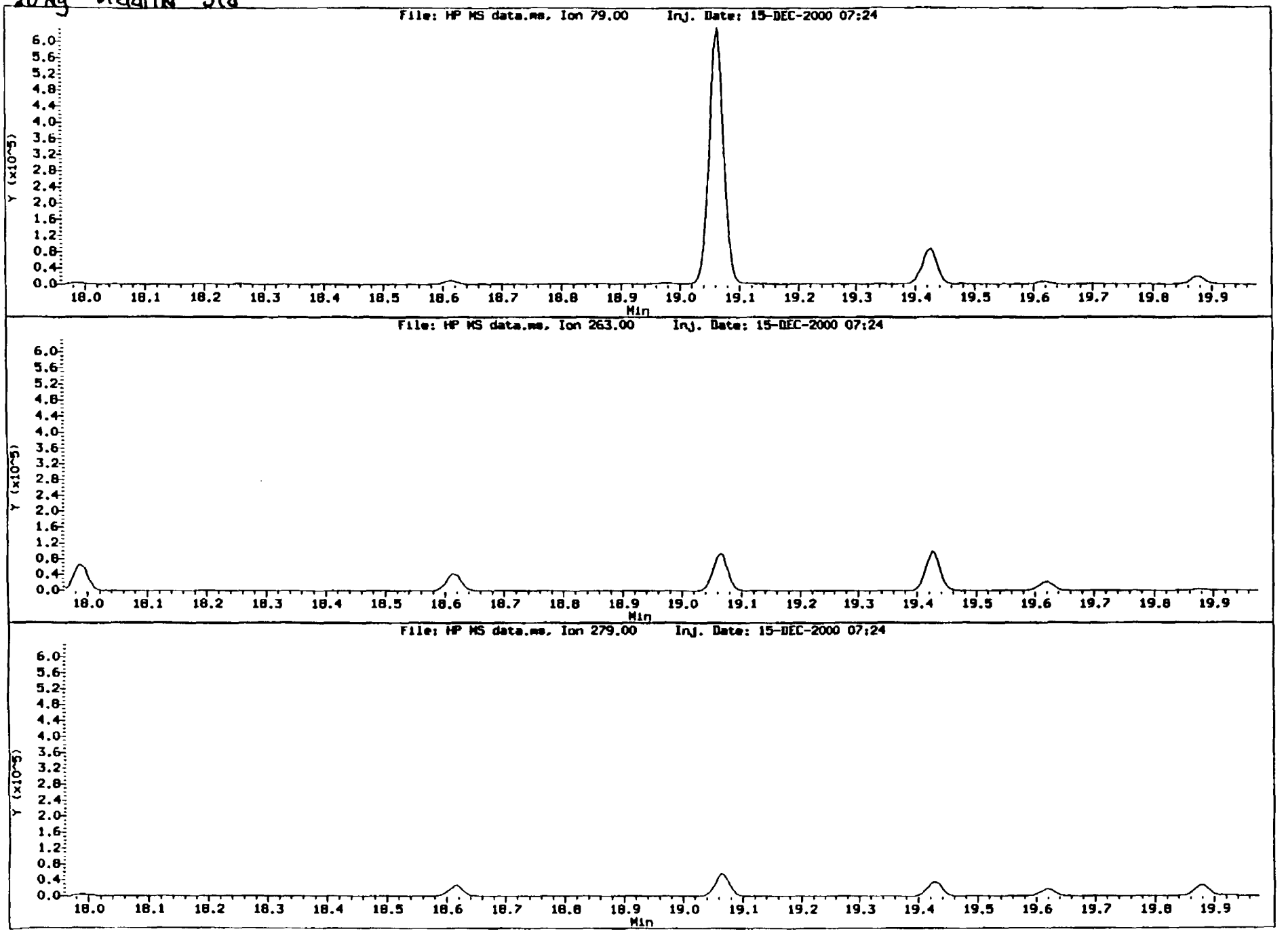
Spectra for Aldrin



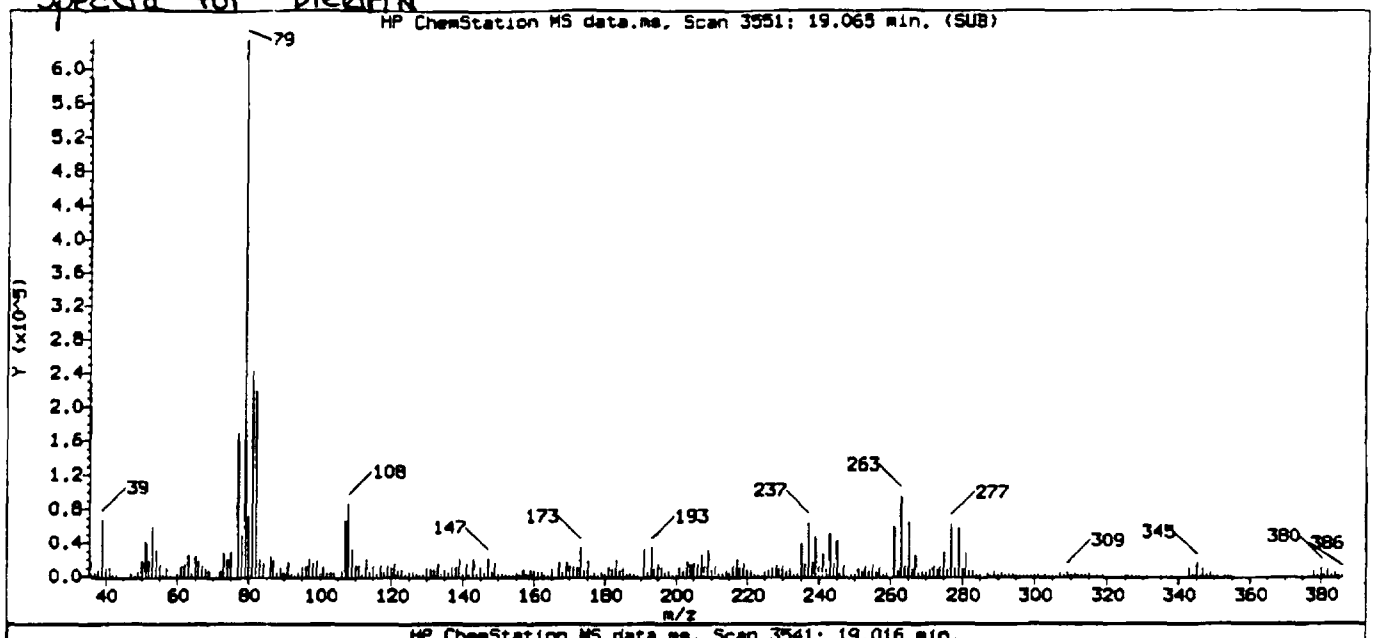


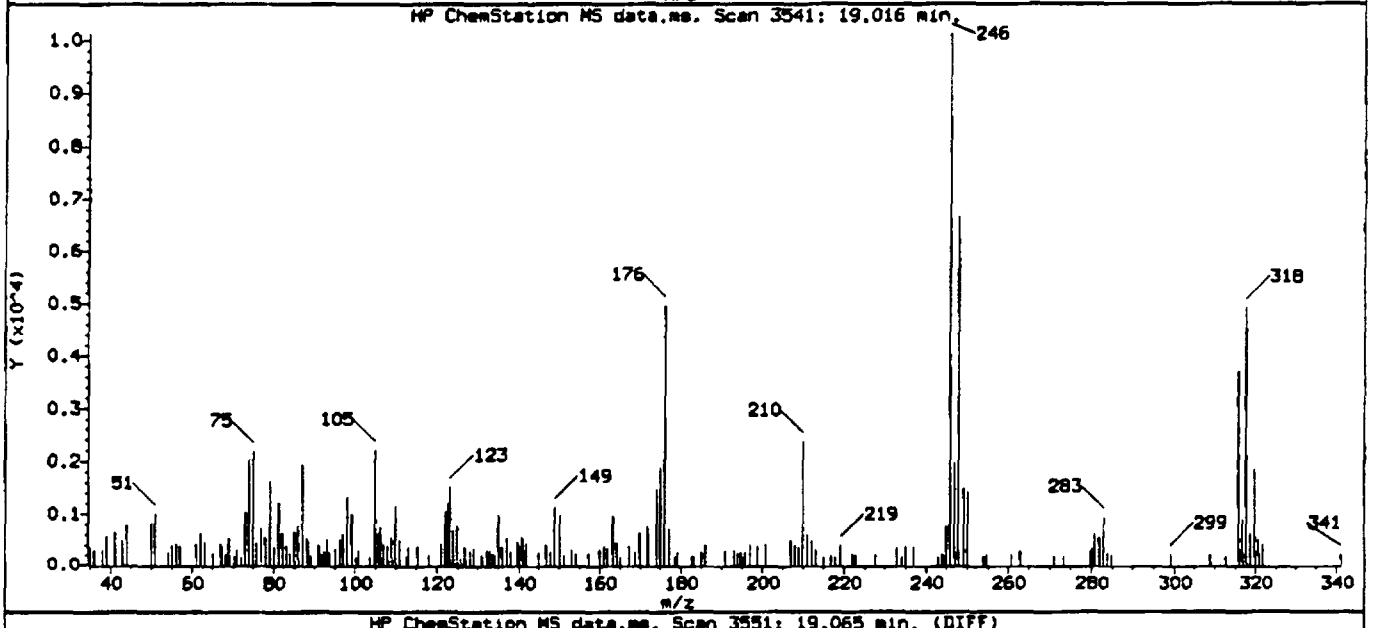


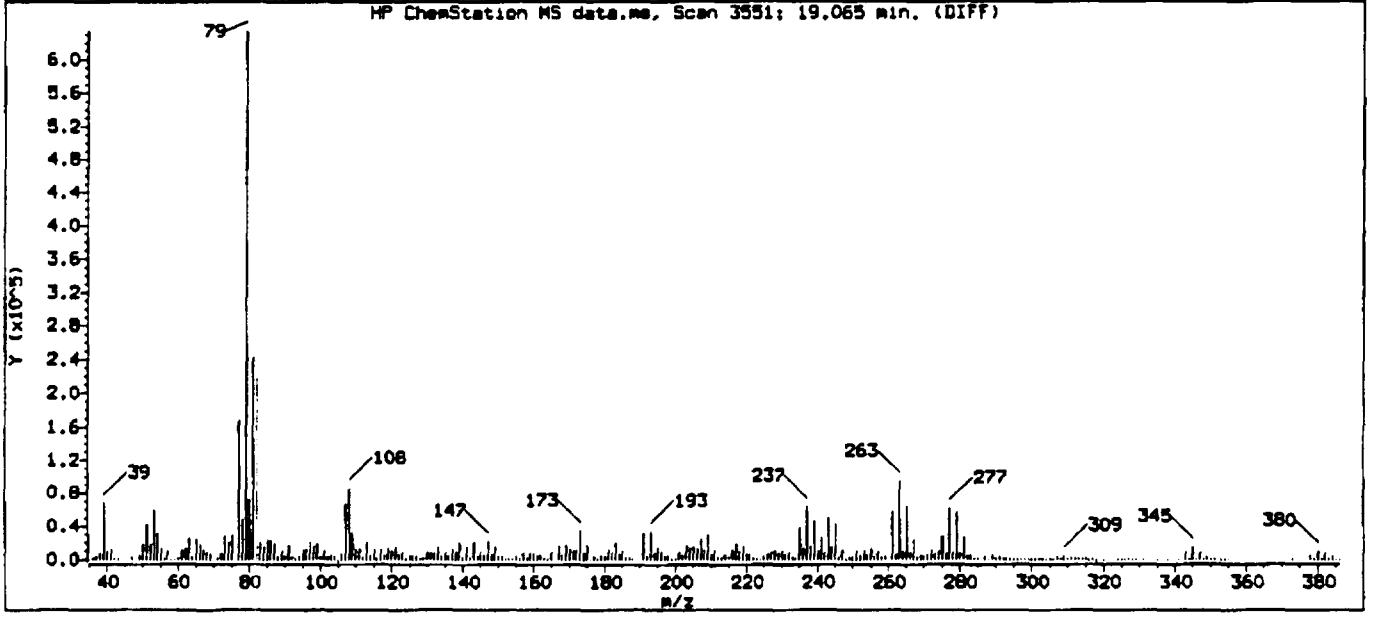
20 ng Dieldrin Std



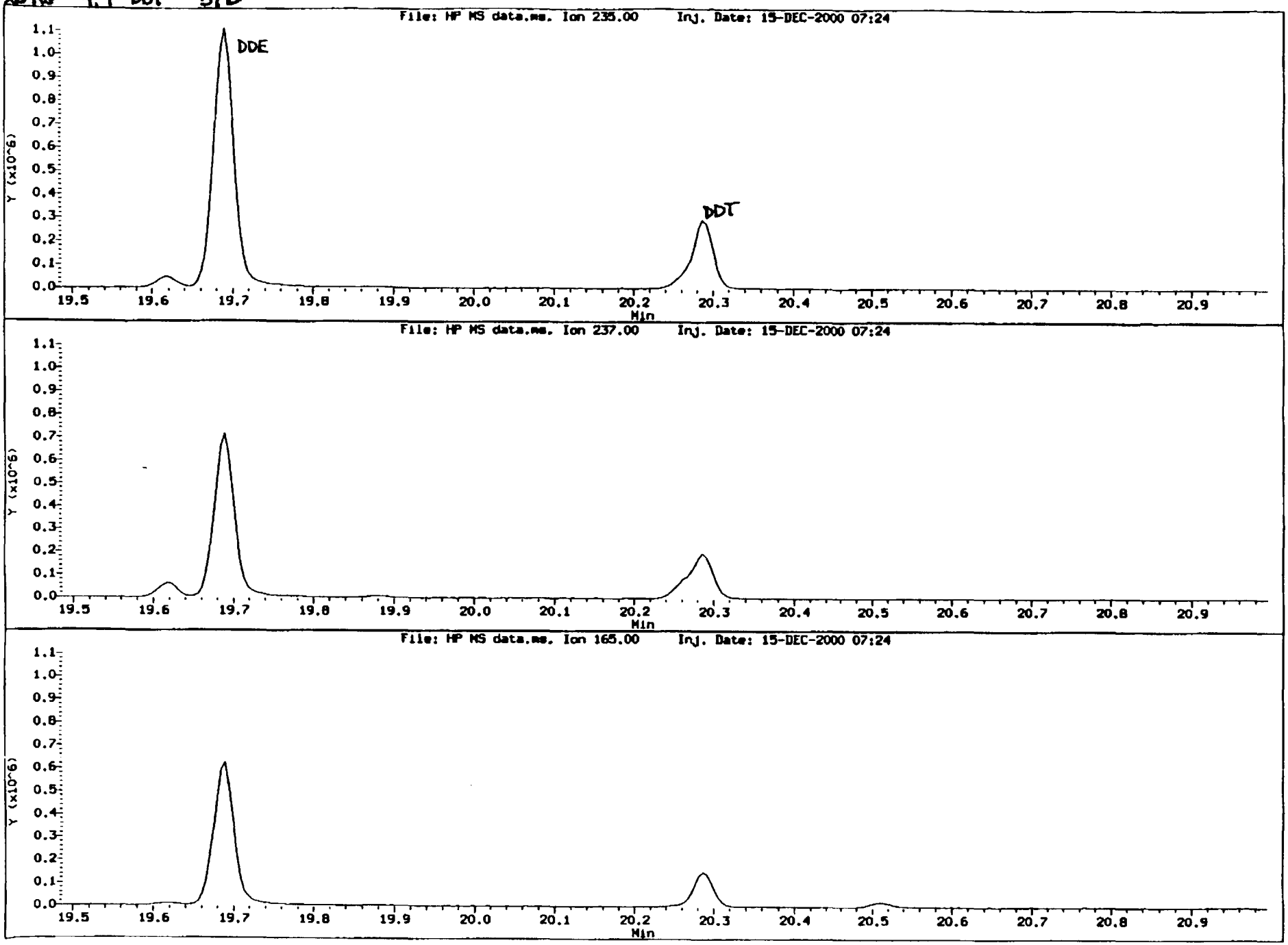
Spectra for Dieldrin



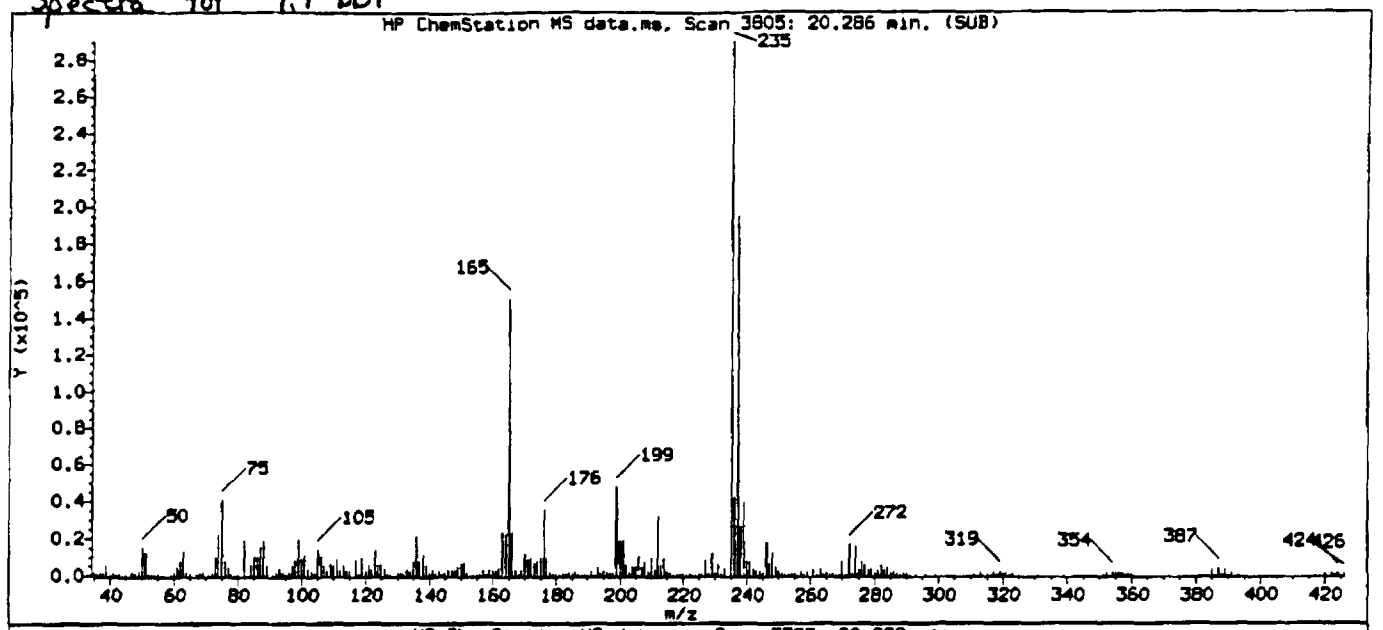


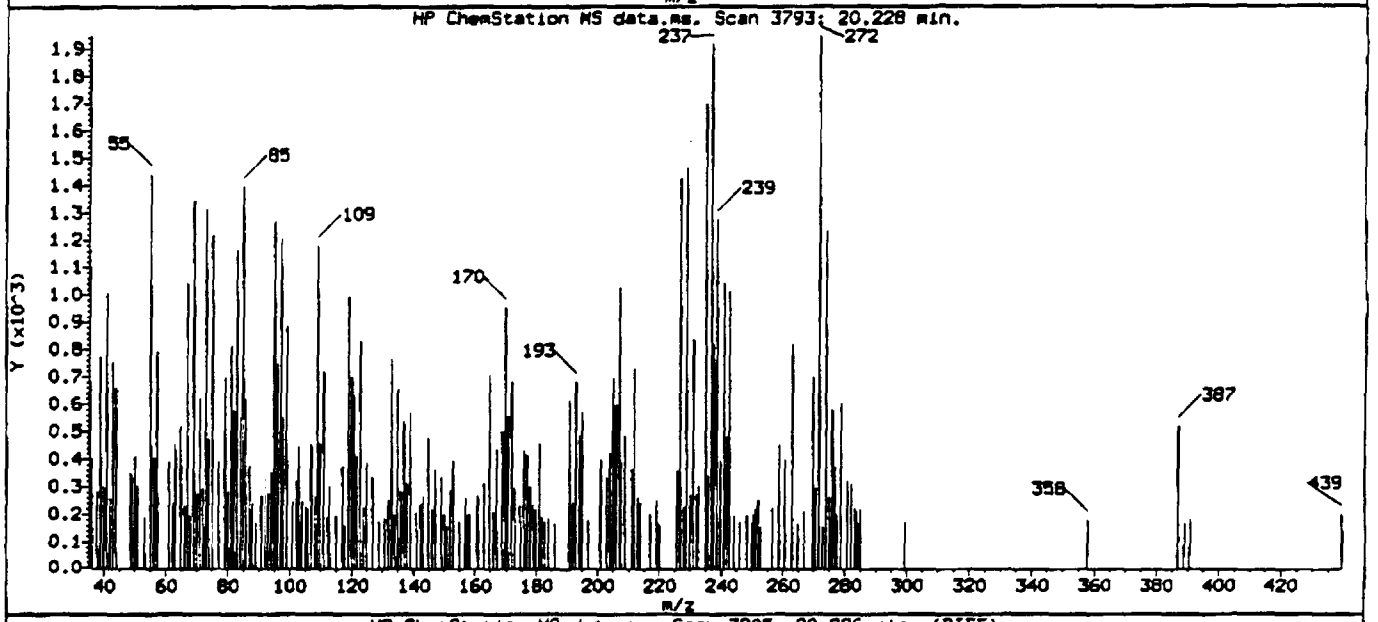


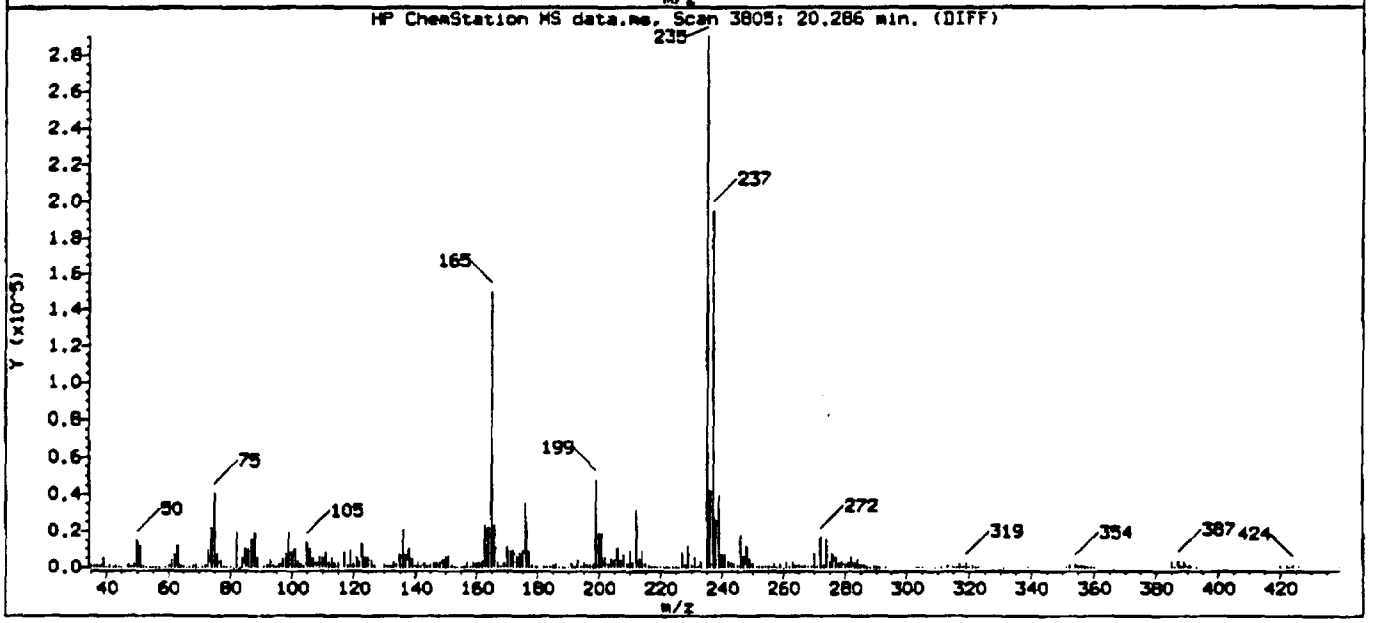
20 NG 4,4'-DDT STD



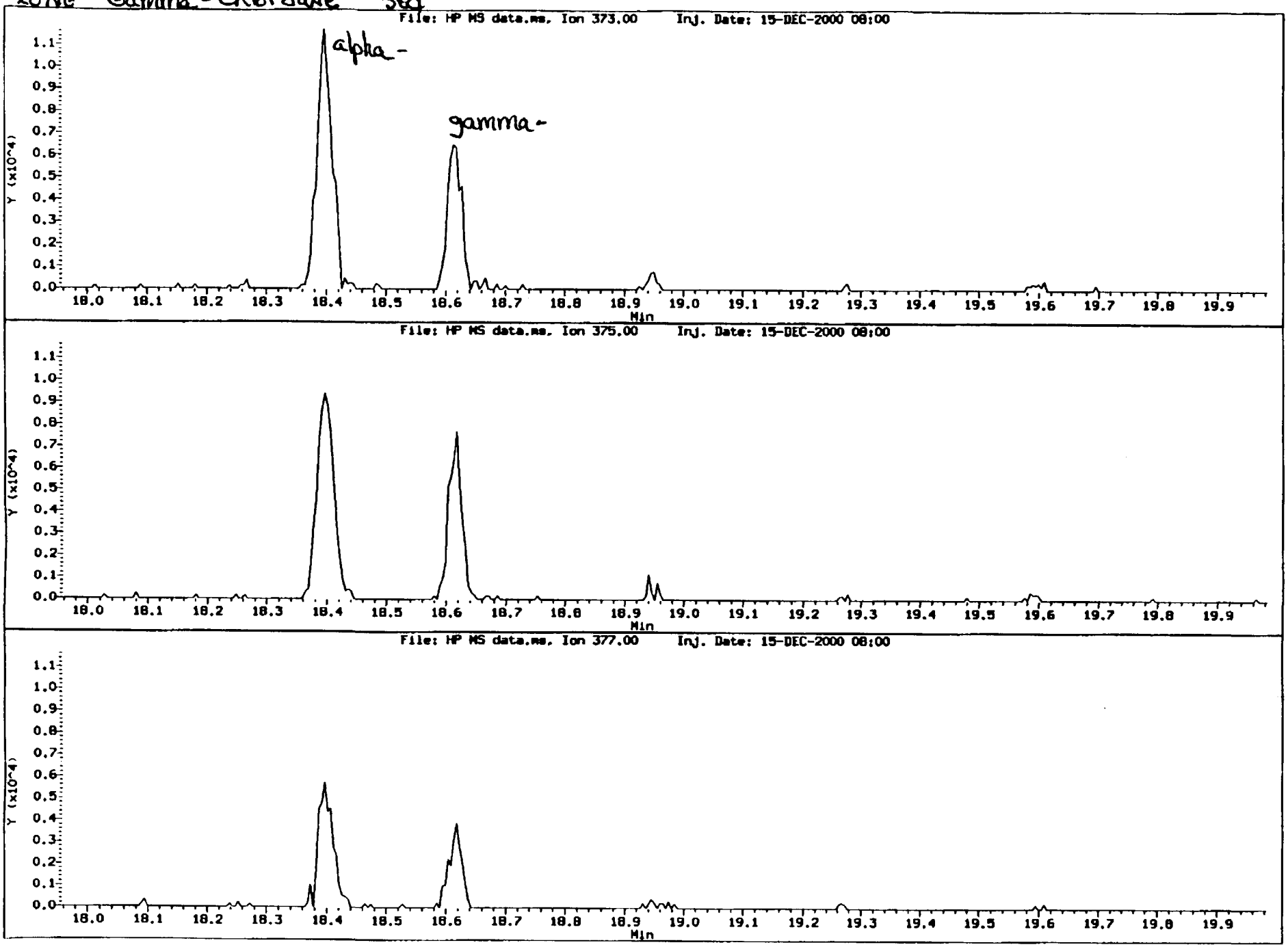
Spectra for 4,4'-DDT



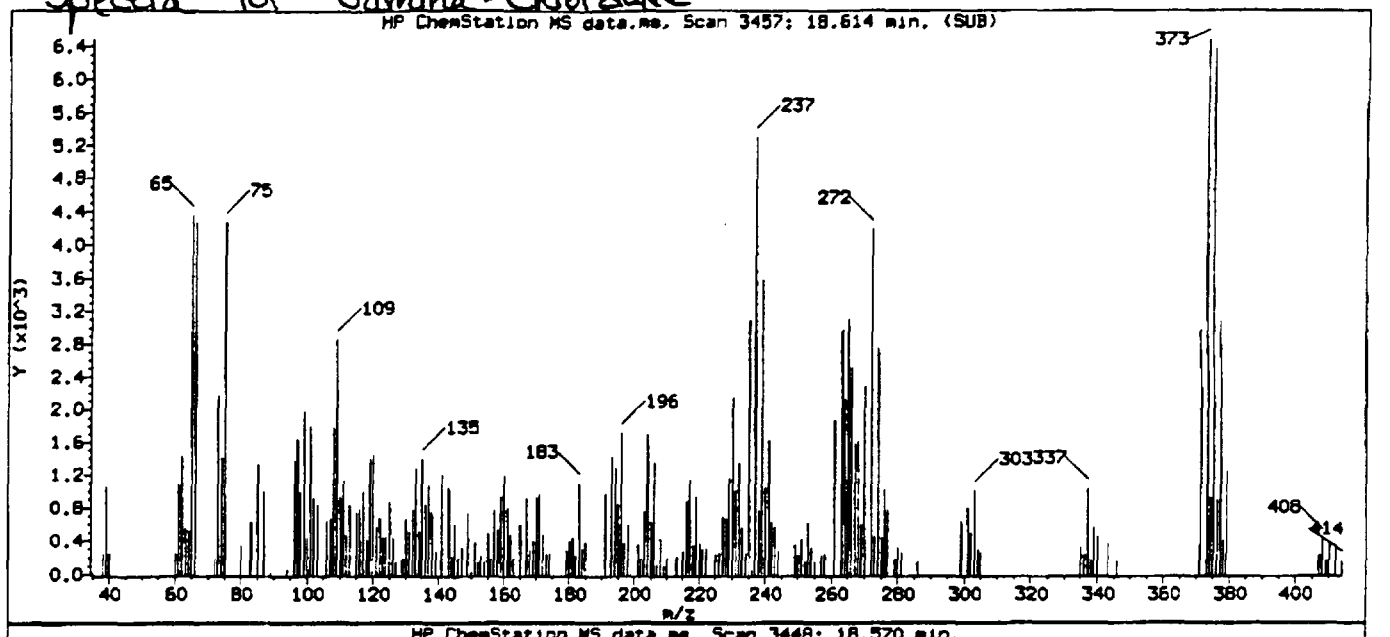


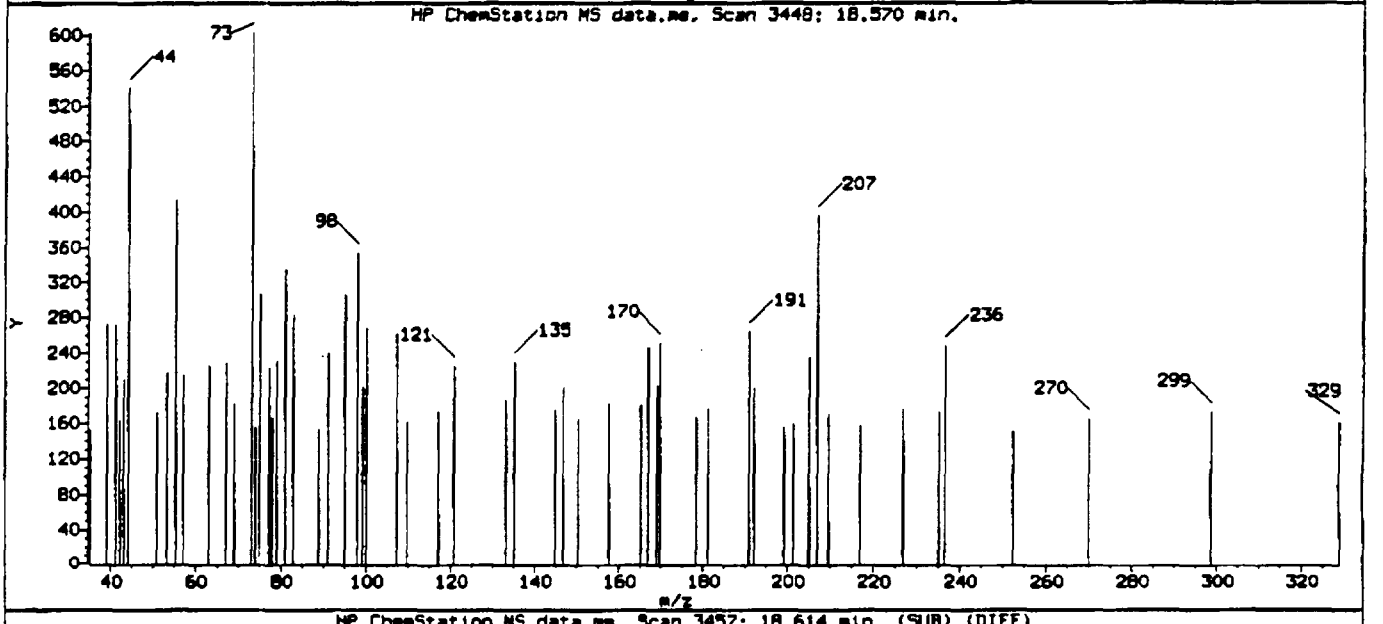


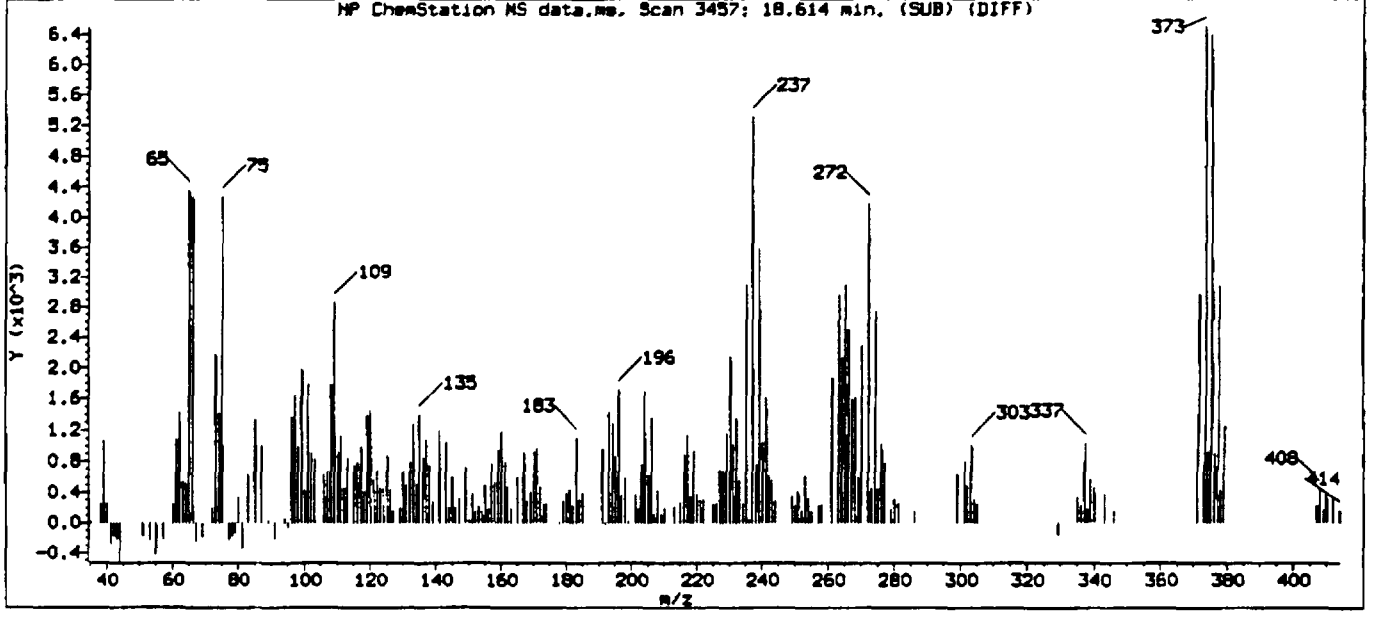
20NG Gamma-chlordane Std



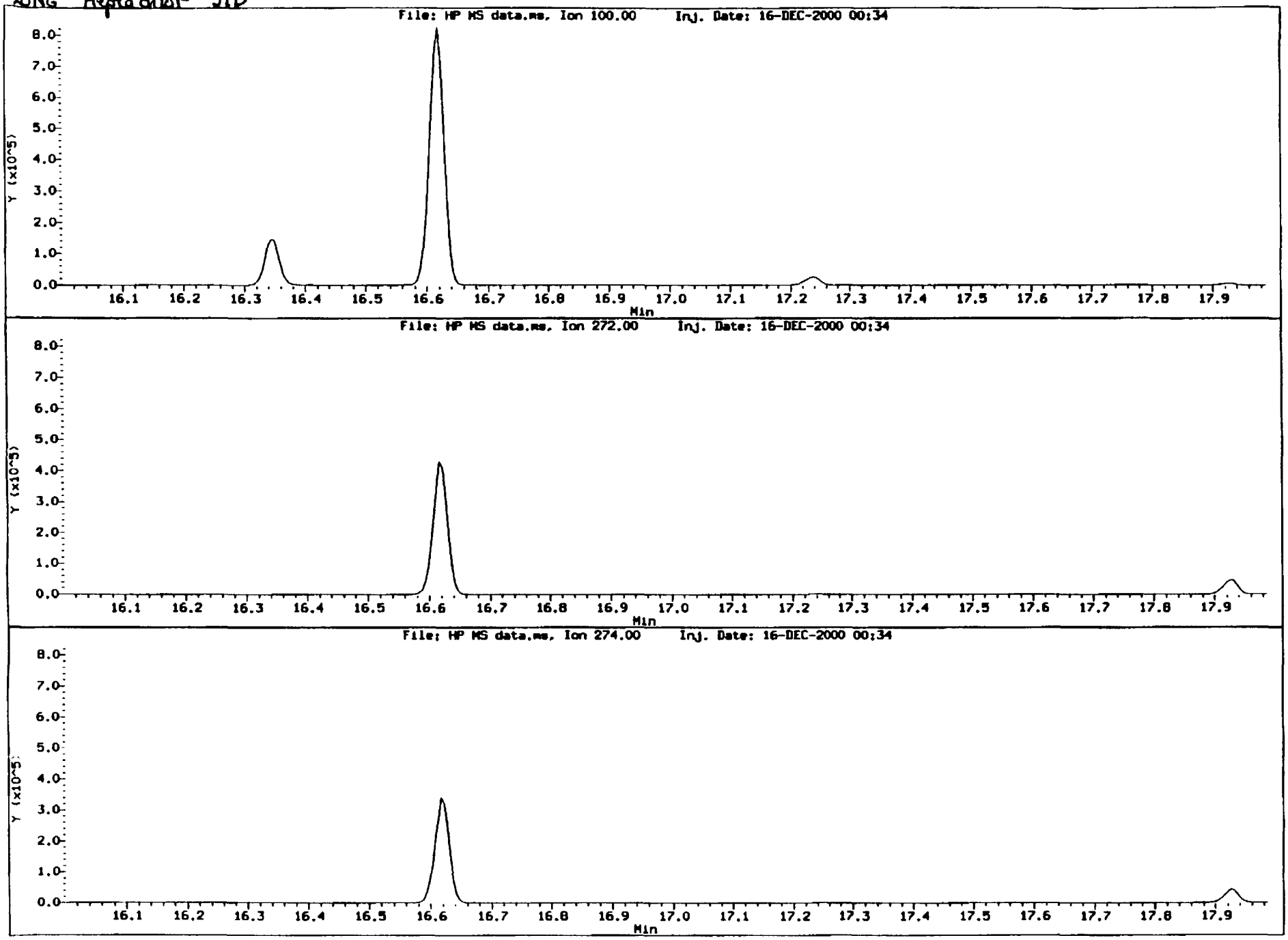
Spectra for Gamma-Chlordane







20NG Heptachlor STD



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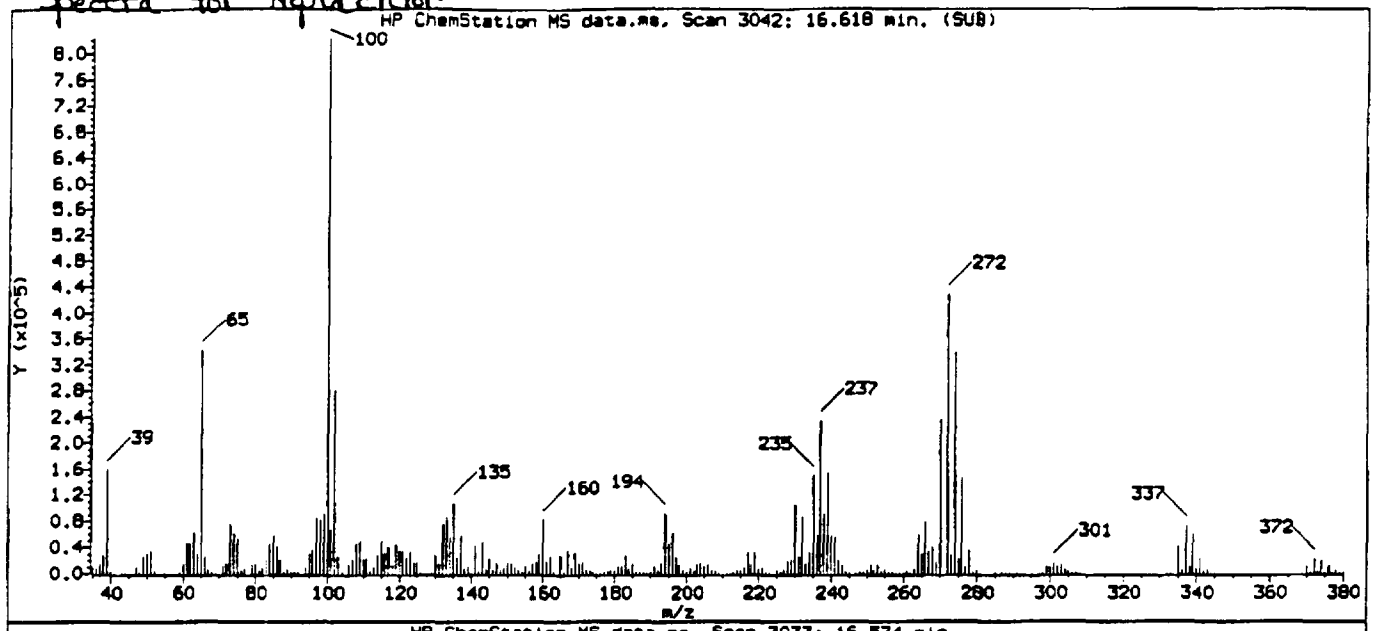
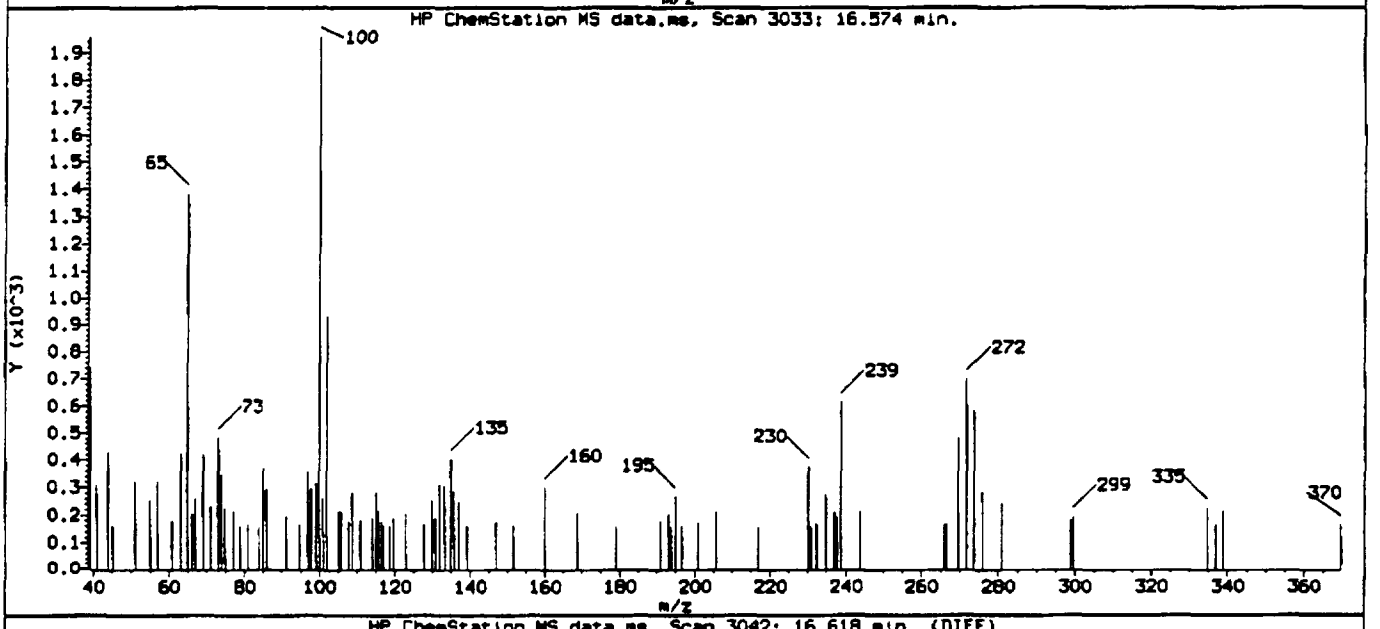
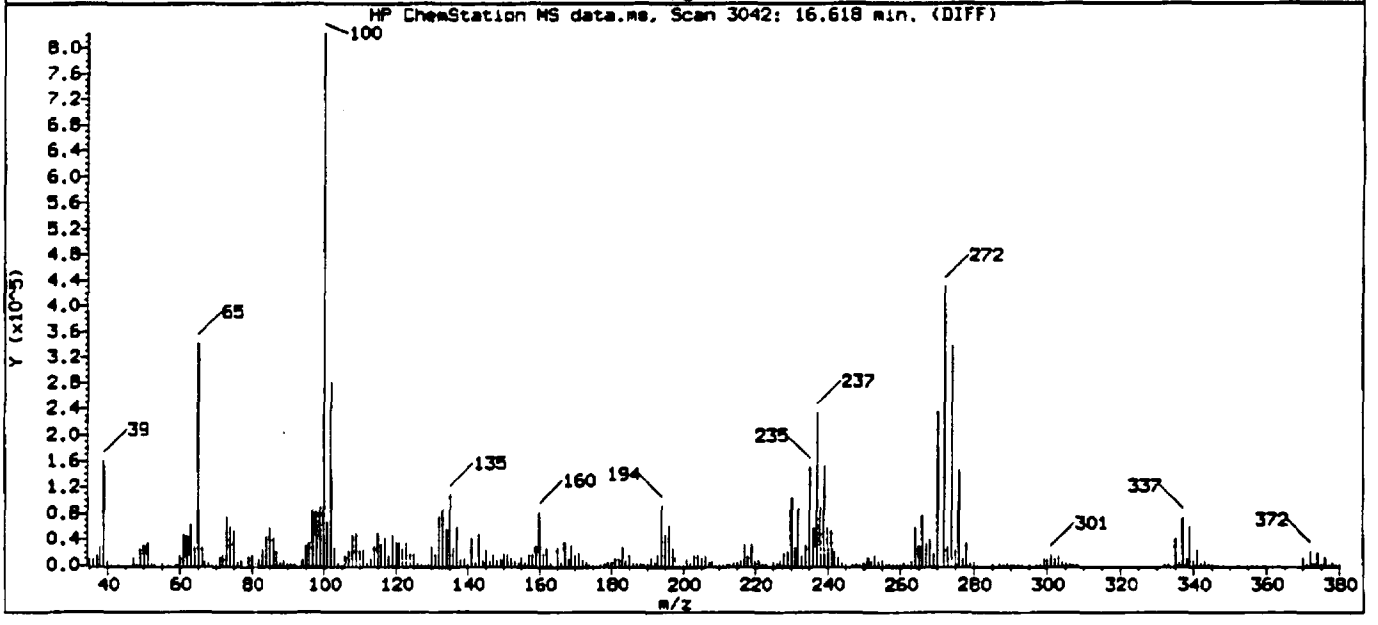
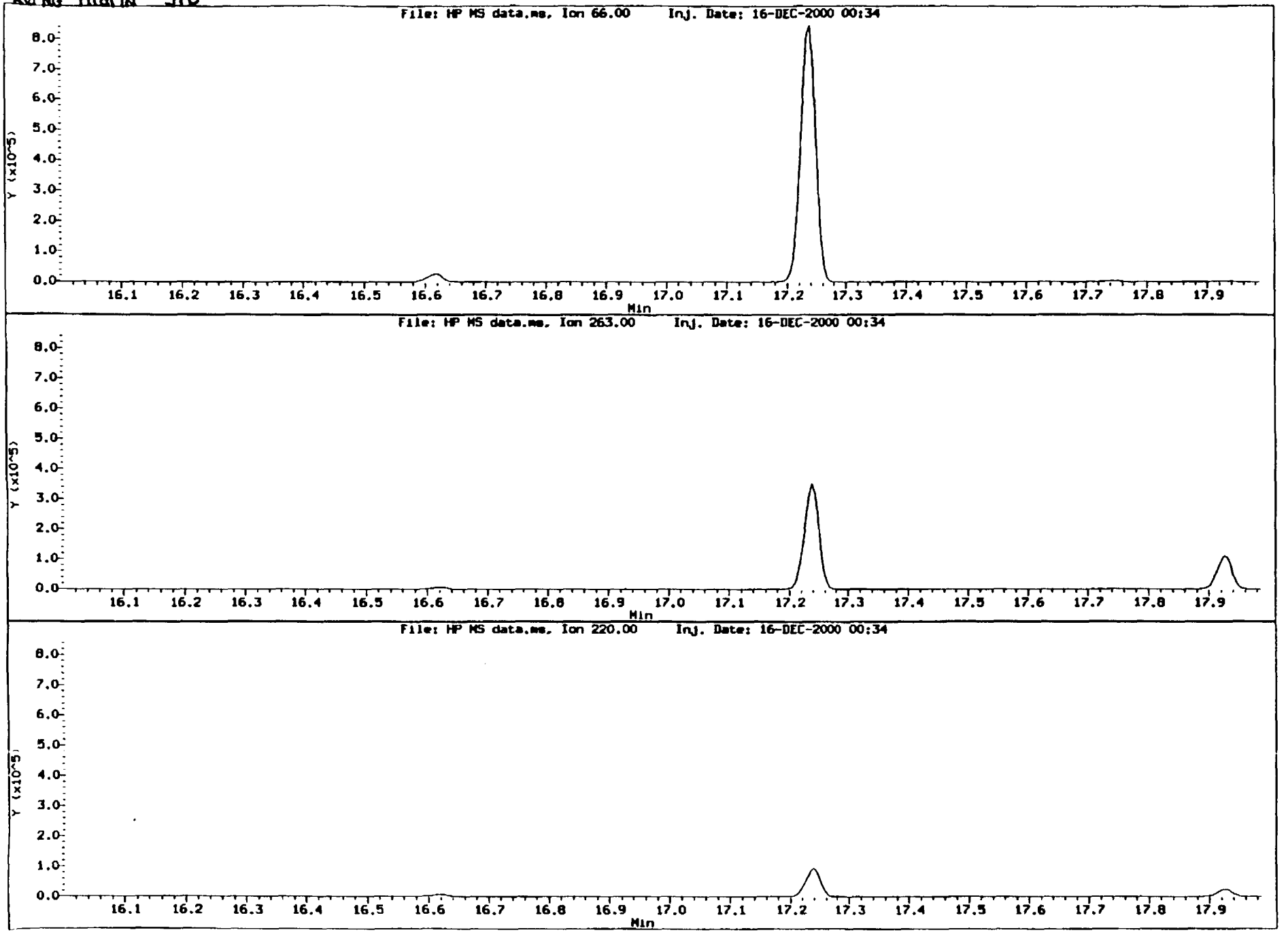






20 NG Aldrin STD



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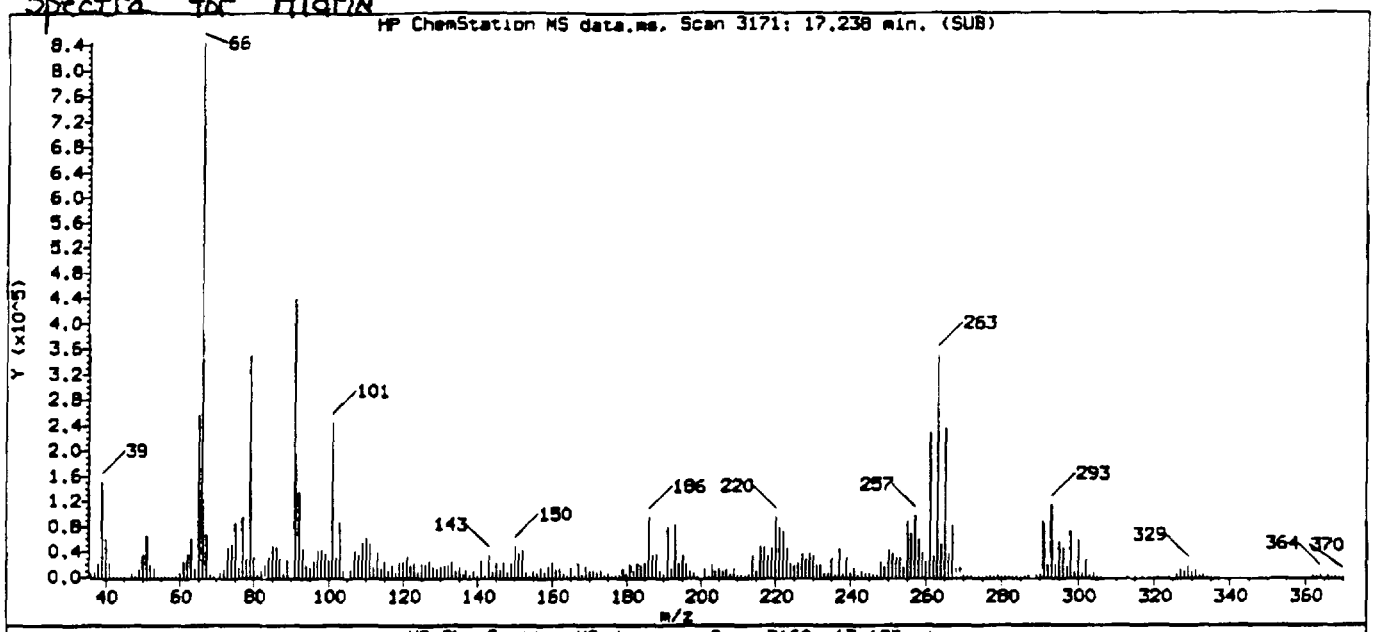

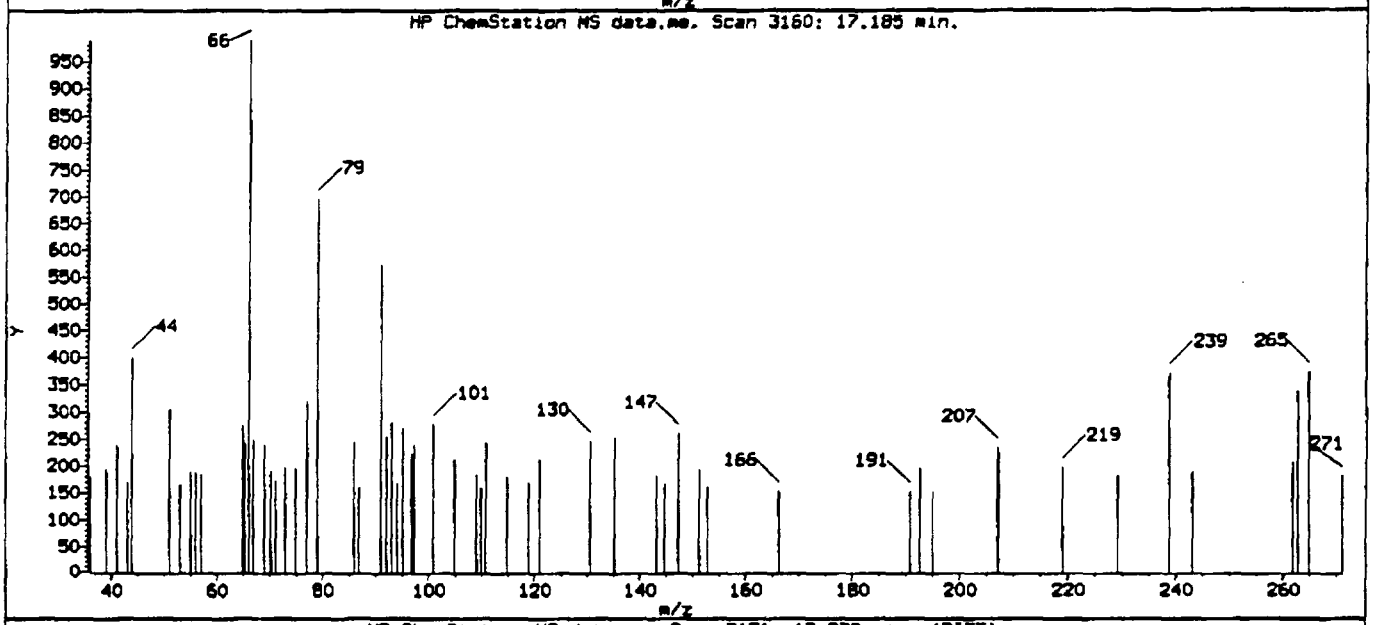

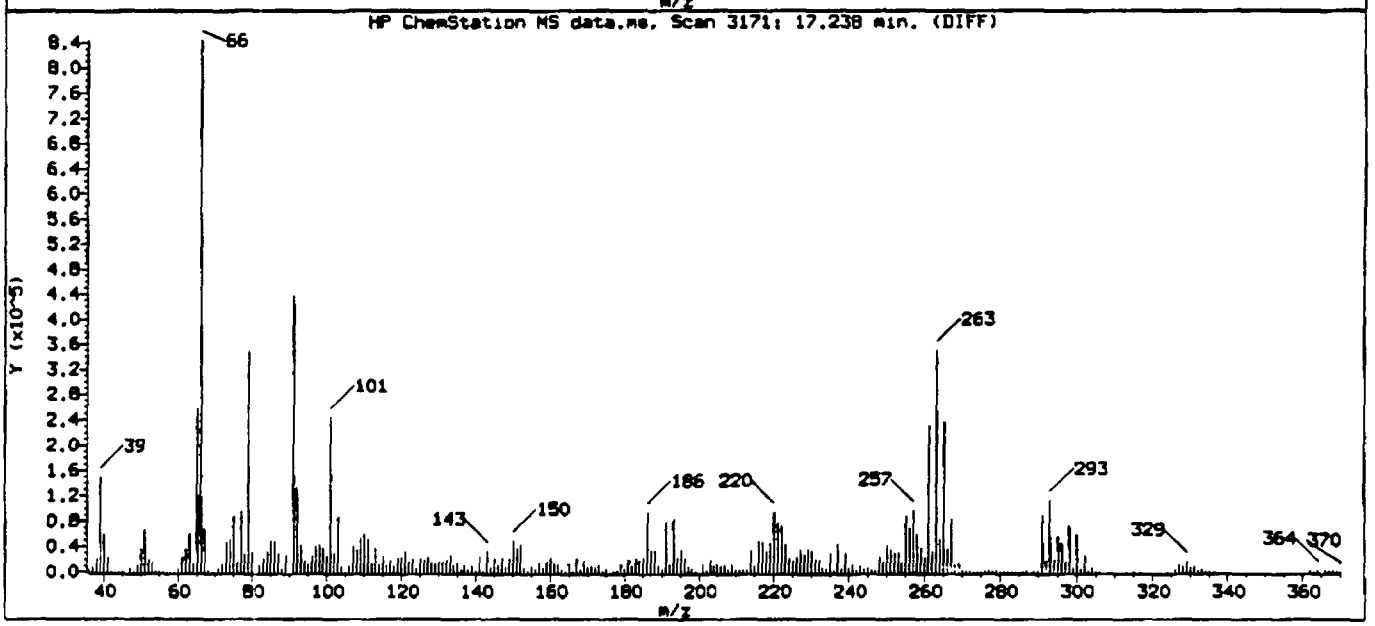

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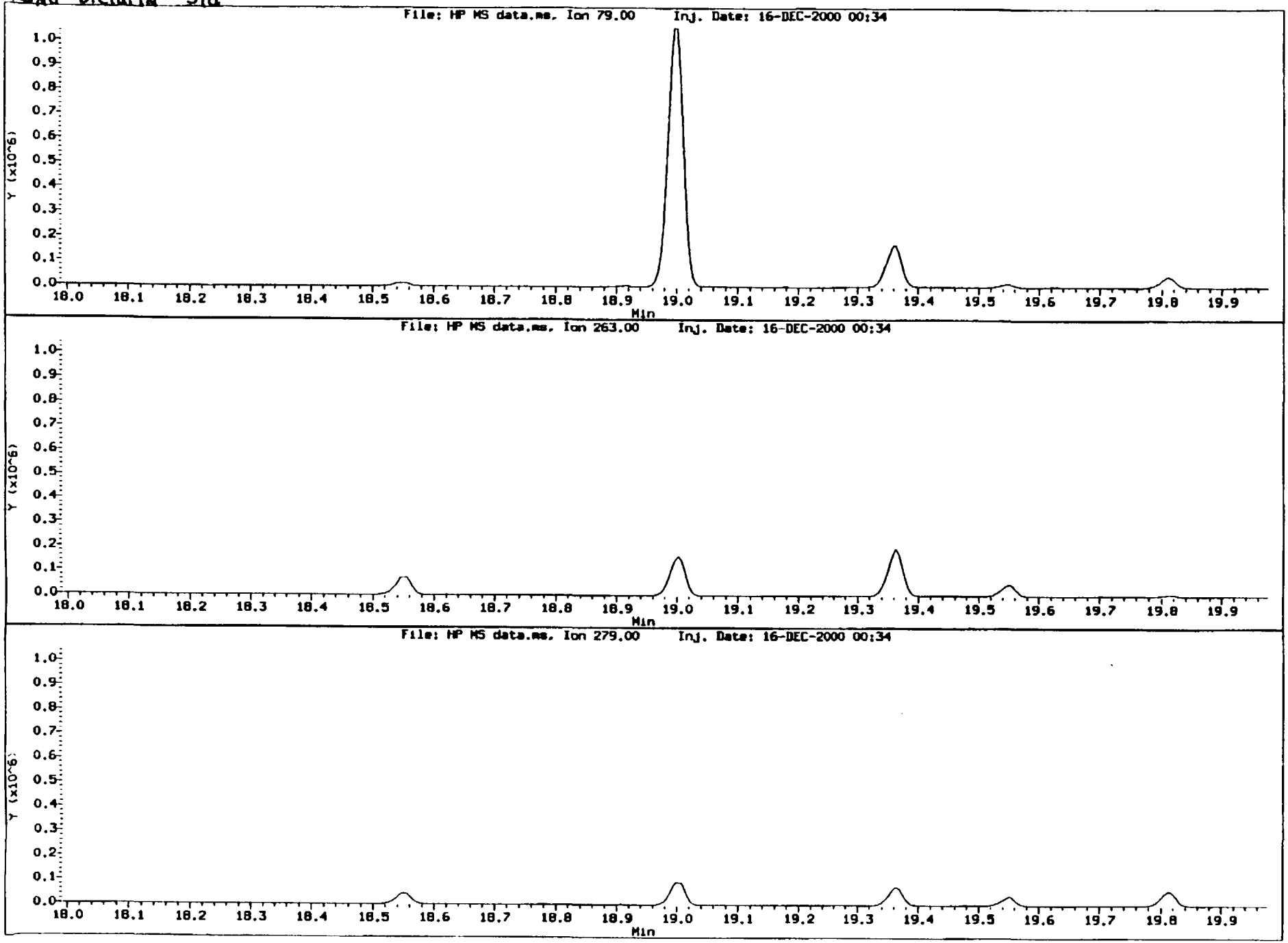

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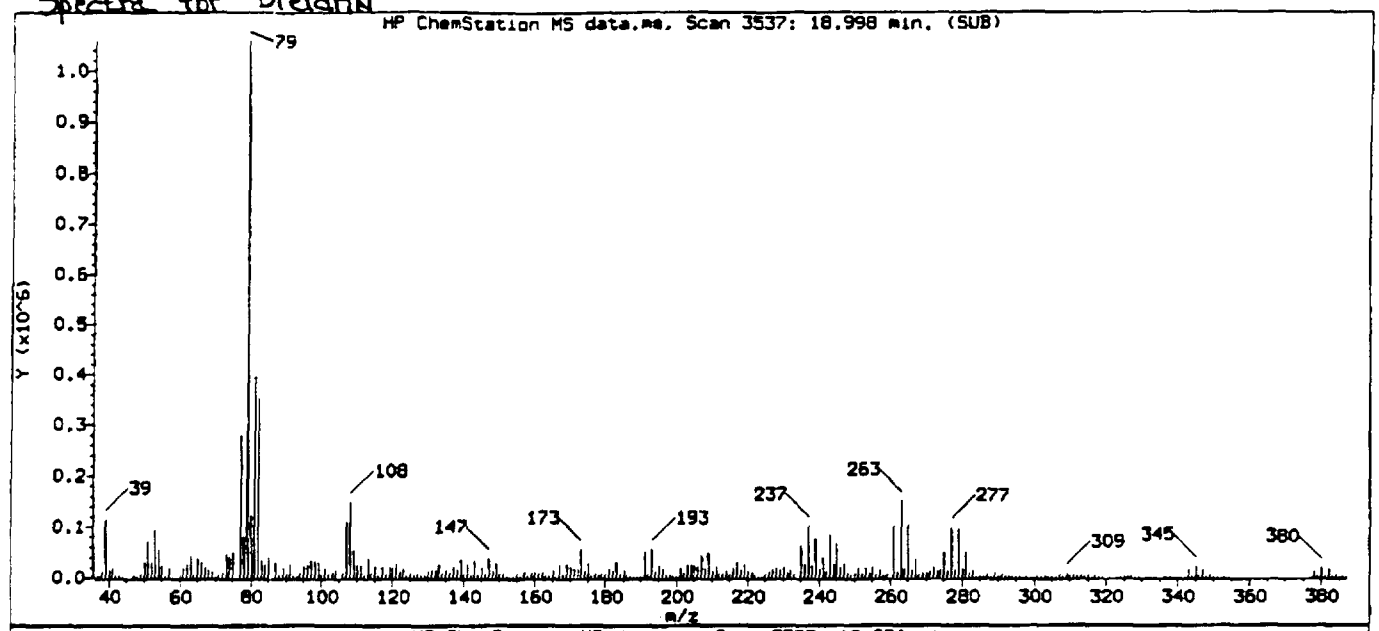
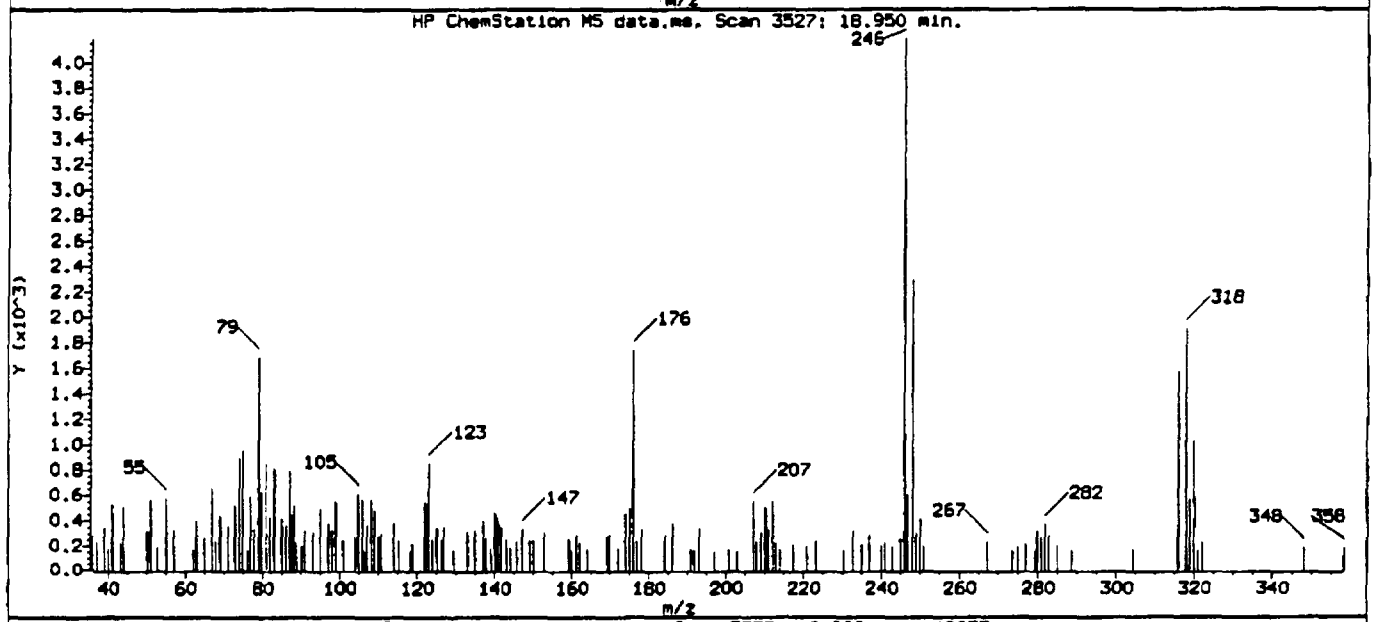
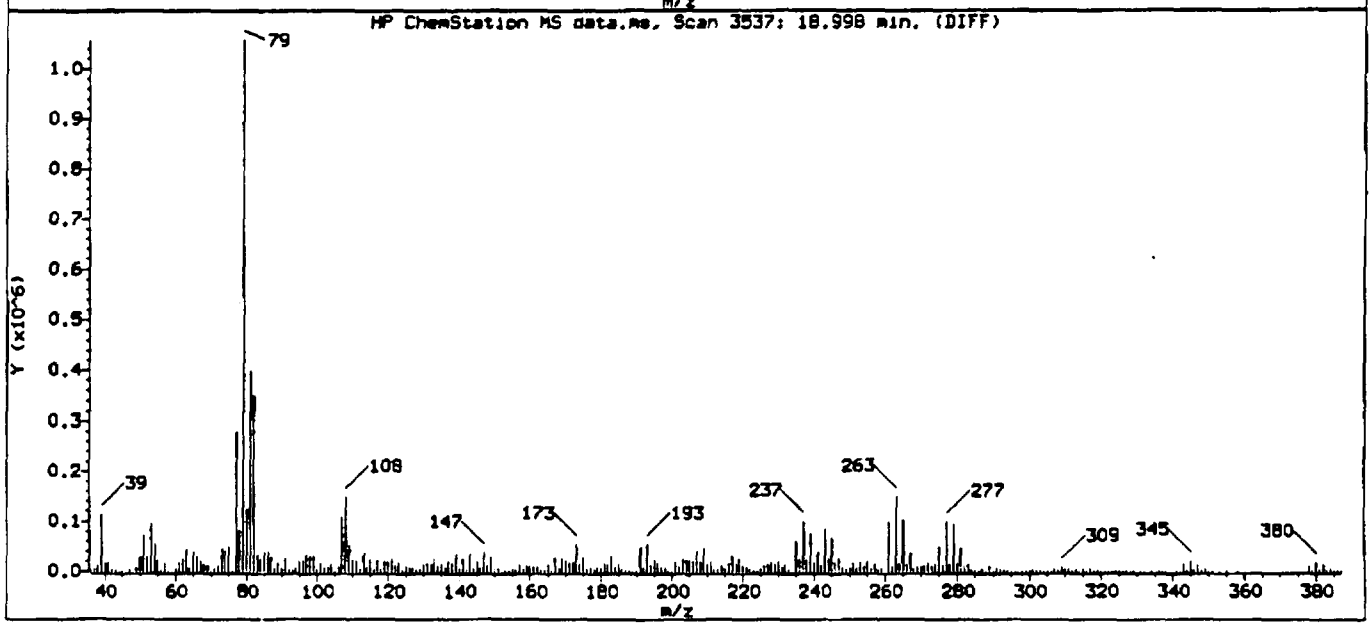
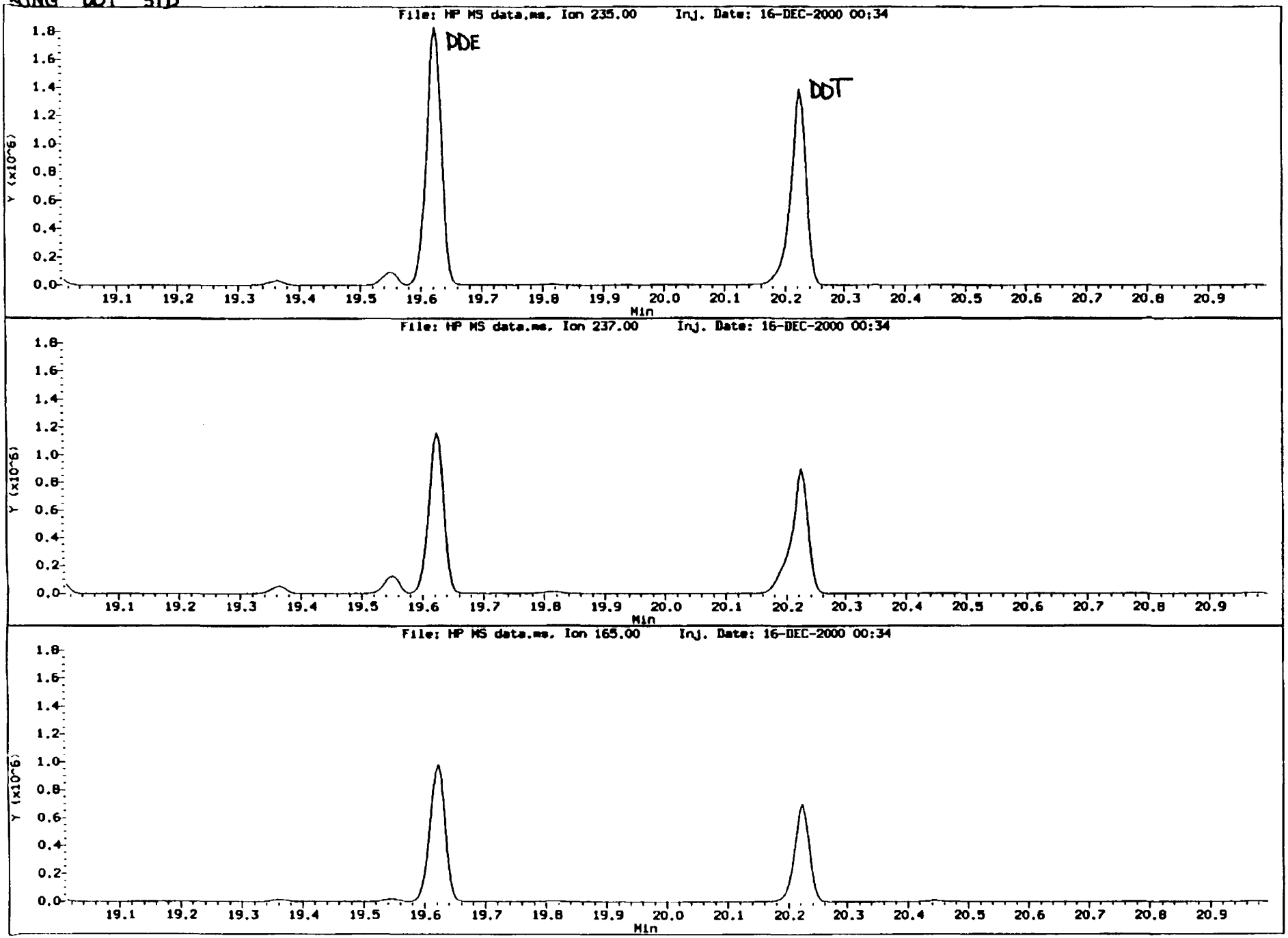






20NG DDT- STD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DDE
DDT
Y (x10^6)
Min
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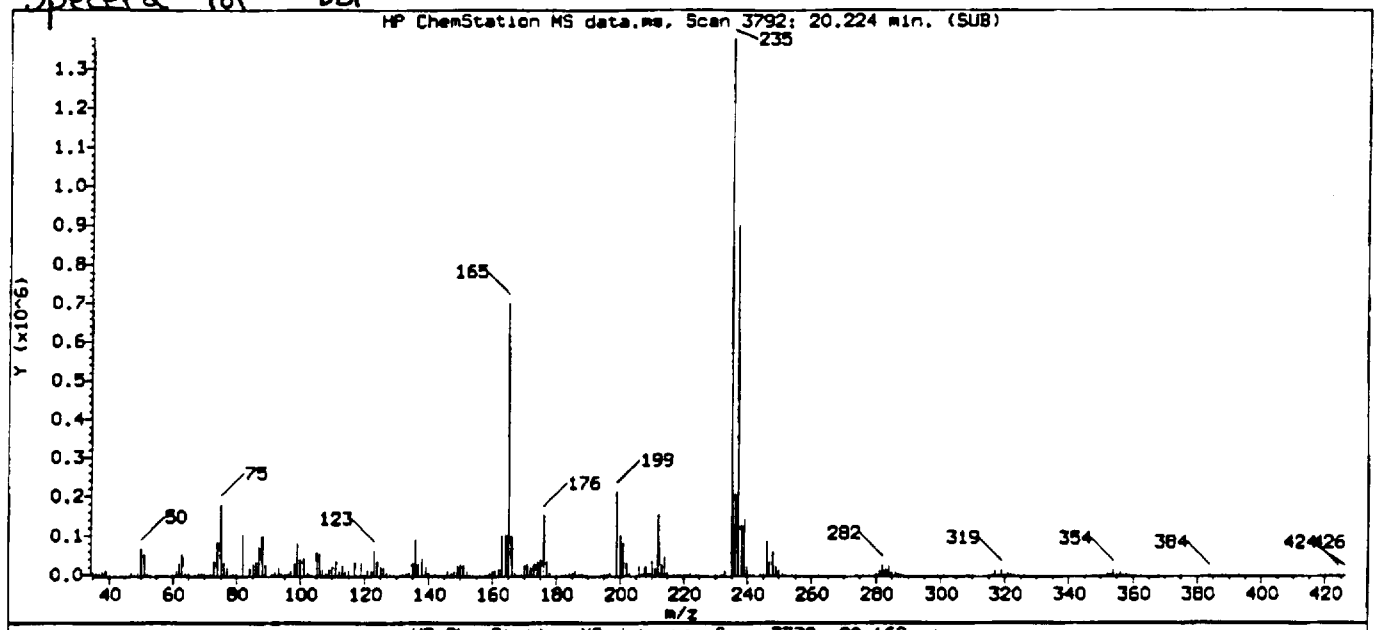
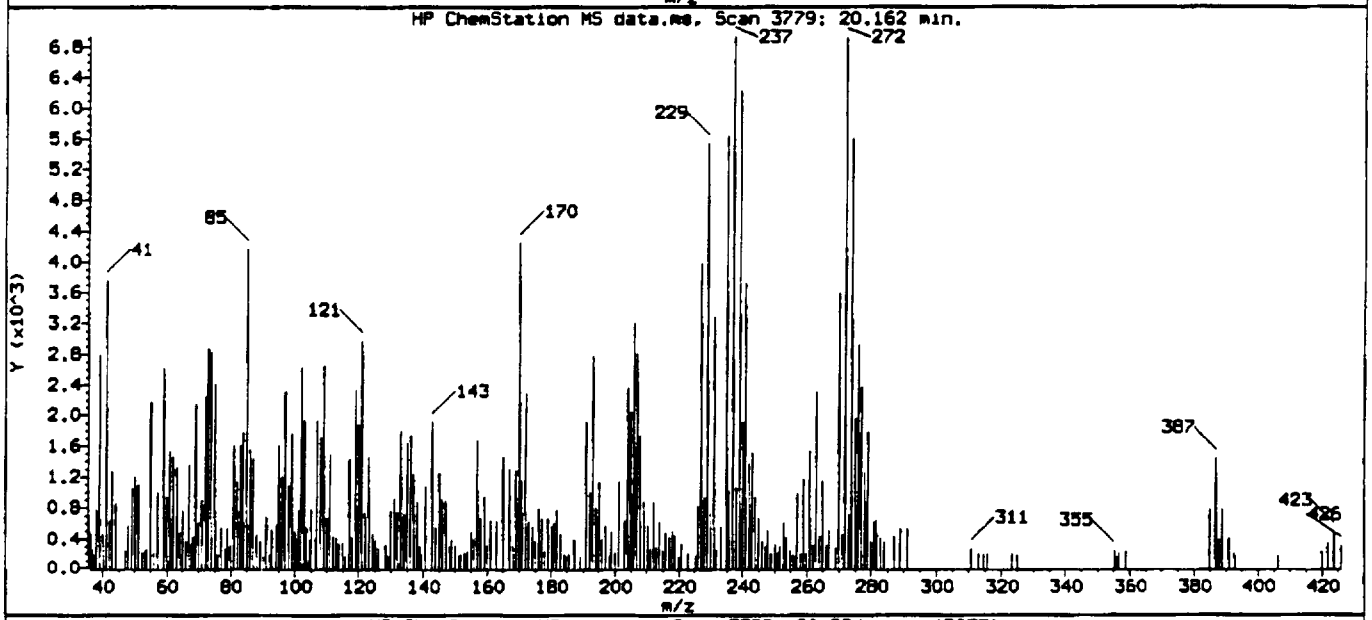
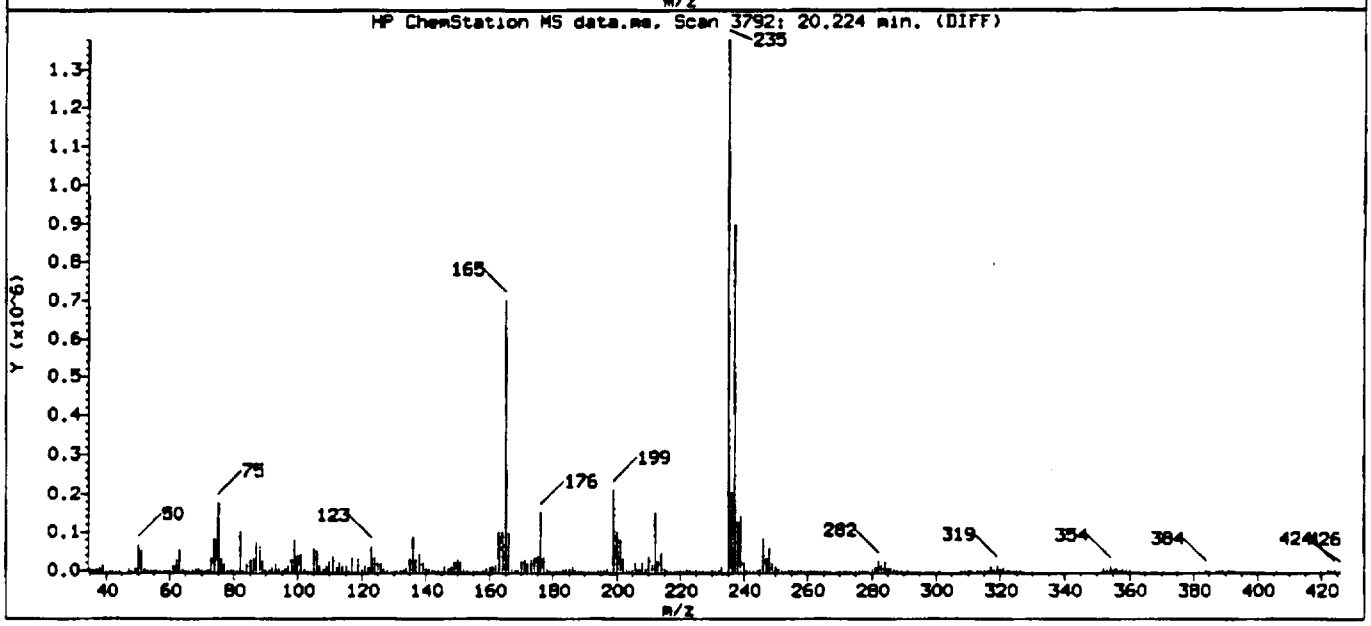
Min

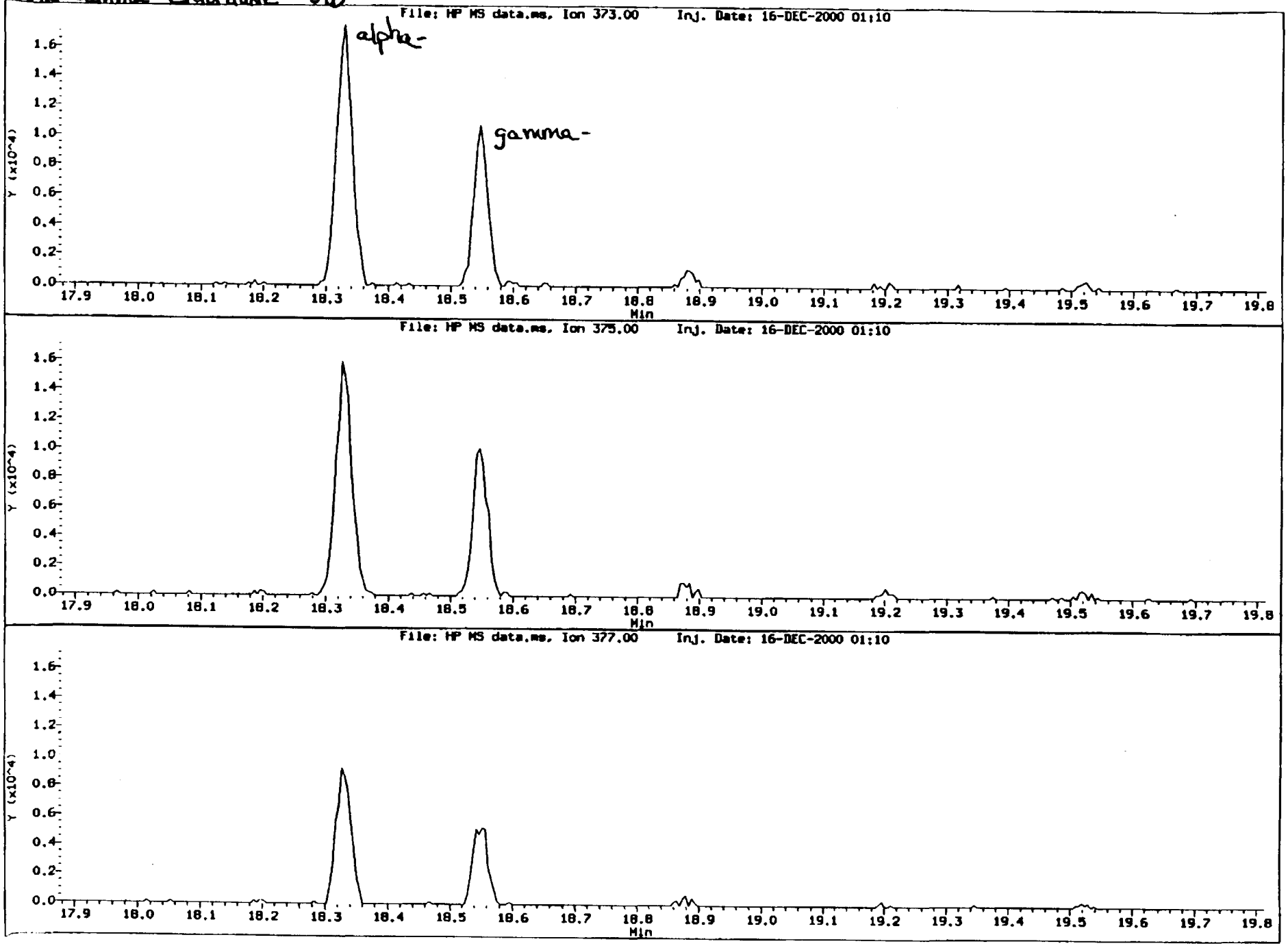
Spectra for DDT



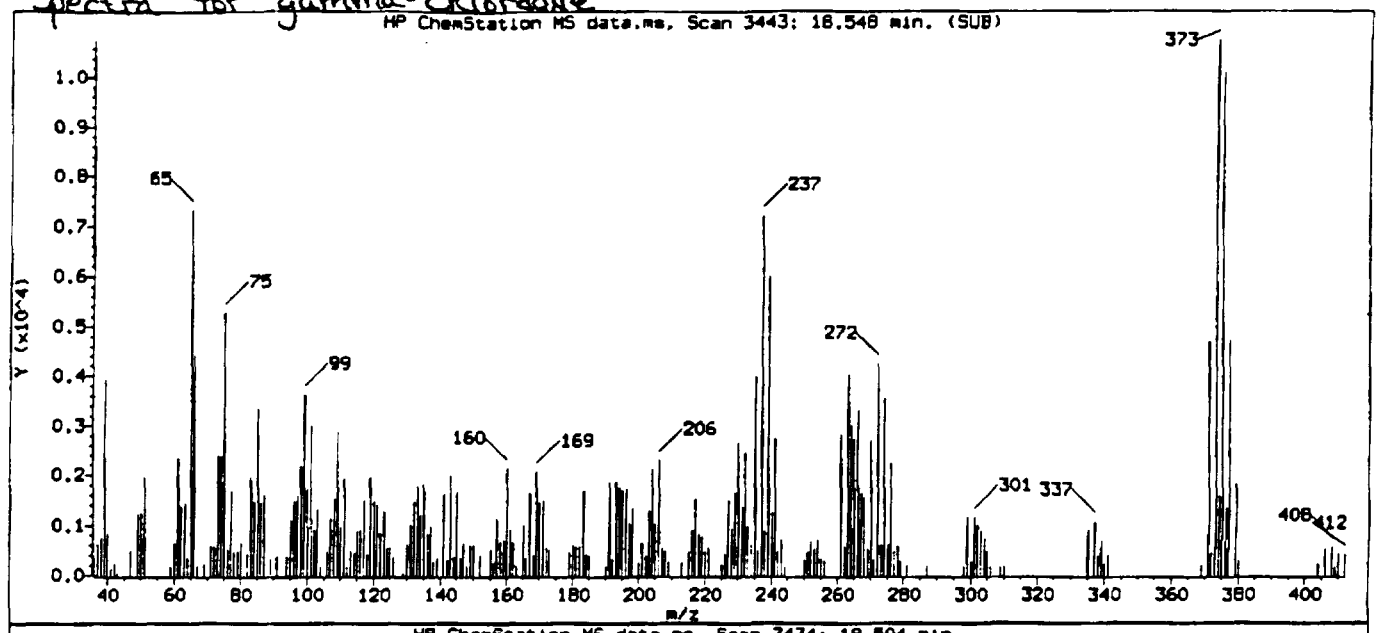


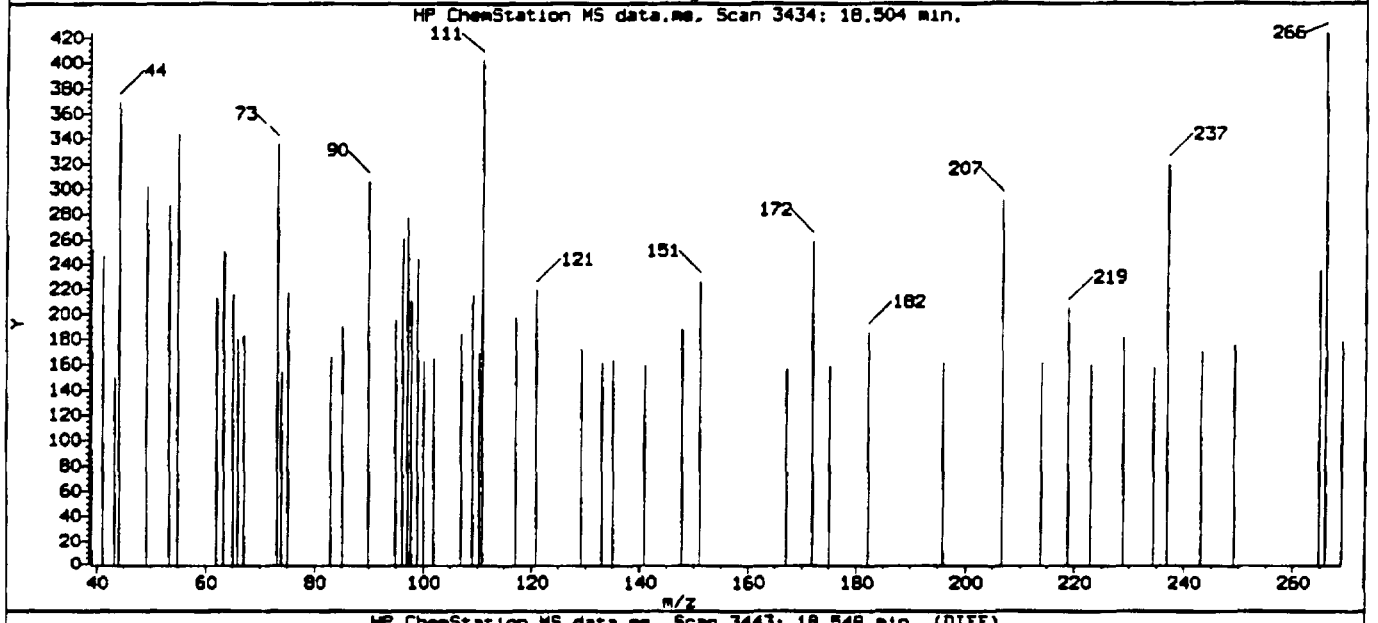


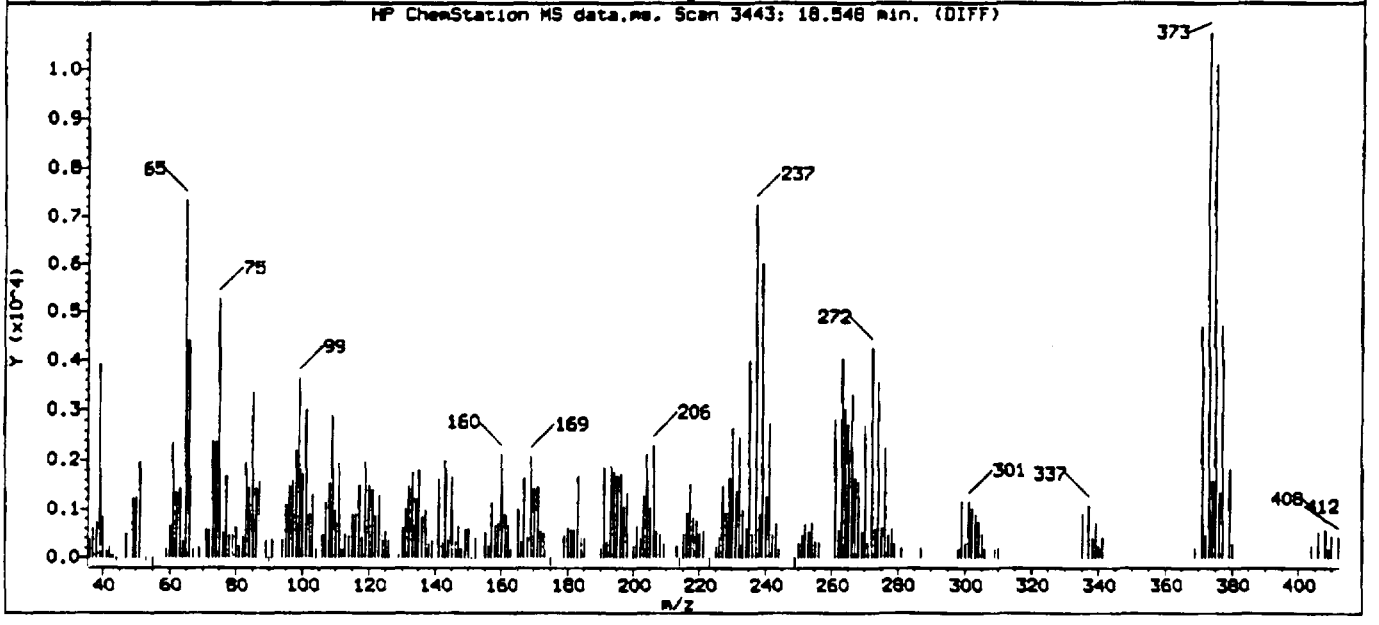
20 NG Gamma-Chlordane STD



Spectra for gamma-chlordane







Committed To *Your* Success

RAW QC DATA

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLANK1

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPHT71AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 005F0401

% Moisture: 0 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	2.1	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.82	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\005F0401.D
Lab Smp Id: DPHT71AA Client Smp ID: PBLANK1
Inj Date : 28-NOV-2000 16:34
Operator : 001754 Inst ID: a2hp3.i
Smp Info : dpht71aa
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	5000.000	final volume
Vi	1.000	injection volume
Vo	30.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	2604652	0.01572	5.2		
4 Aroclor-1232					CAS #: 11141-16-5		
4.894	4.952	(-0.058)	296475	0.07041	23	80.00- 120.00	100.00
5.703	5.759	(-0.056)	47852	0.01869	6.2	40.82- 80.82	16.14
7.017	7.051	(-0.034)	696120	0.33817	110	28.89- 68.89	234.80
7.900	7.940	(-0.040)	59456	0.02798	9.3	30.47- 70.47	20.05
Average of Peak Concentrations =					37		
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	1356635	0.00691	2.3		
25 4,4'-DDT					CAS #: 50-29-3		
11.714	11.720	(-0.006)	103949	<0.0	0.27		(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
15.698	15.700	(-0.002)	2233114	0.01923	6.4		

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\005F0401.D

Date : 28-NOV-2000 16:34

Client ID: PBLANK1

Sample Info: dpht71aa

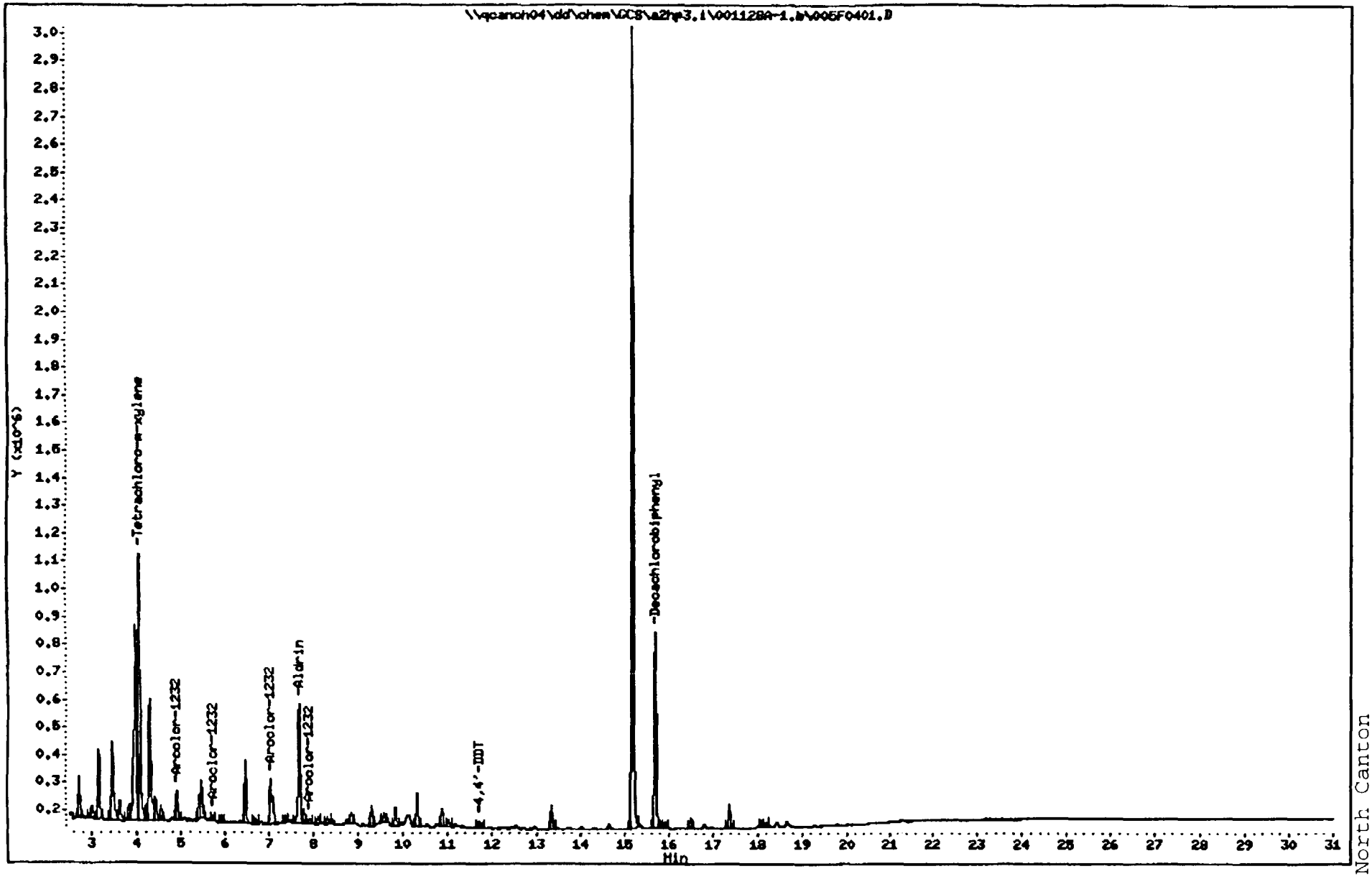
Volume Injected (uL): 1.0

Column phase: pestolpI

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\005F0401.D
Lab Smp Id: DPHT71AA Client Smp ID: PBLANK1
Inj Date : 28-NOV-2000 16:34
Operator : 001754 Inst ID: a2hp3.i
Smp Info : dpht71aa
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weigth of sample extracted (g)
M	0.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.172	5.170	(0.002)	2084627	0.01475	4.9		
12 Aldrin					CAS #: 309-00-2		
9.241	9.240	(0.001)	1051518	0.00635	2.1		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.922	17.920	(0.002)	1713593	0.01924	6.4		

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\006F0401.D

Page 2

Date : 28-NOV-2000 16:34

Client ID: PBLANK1

Instrument: a2hp3.i

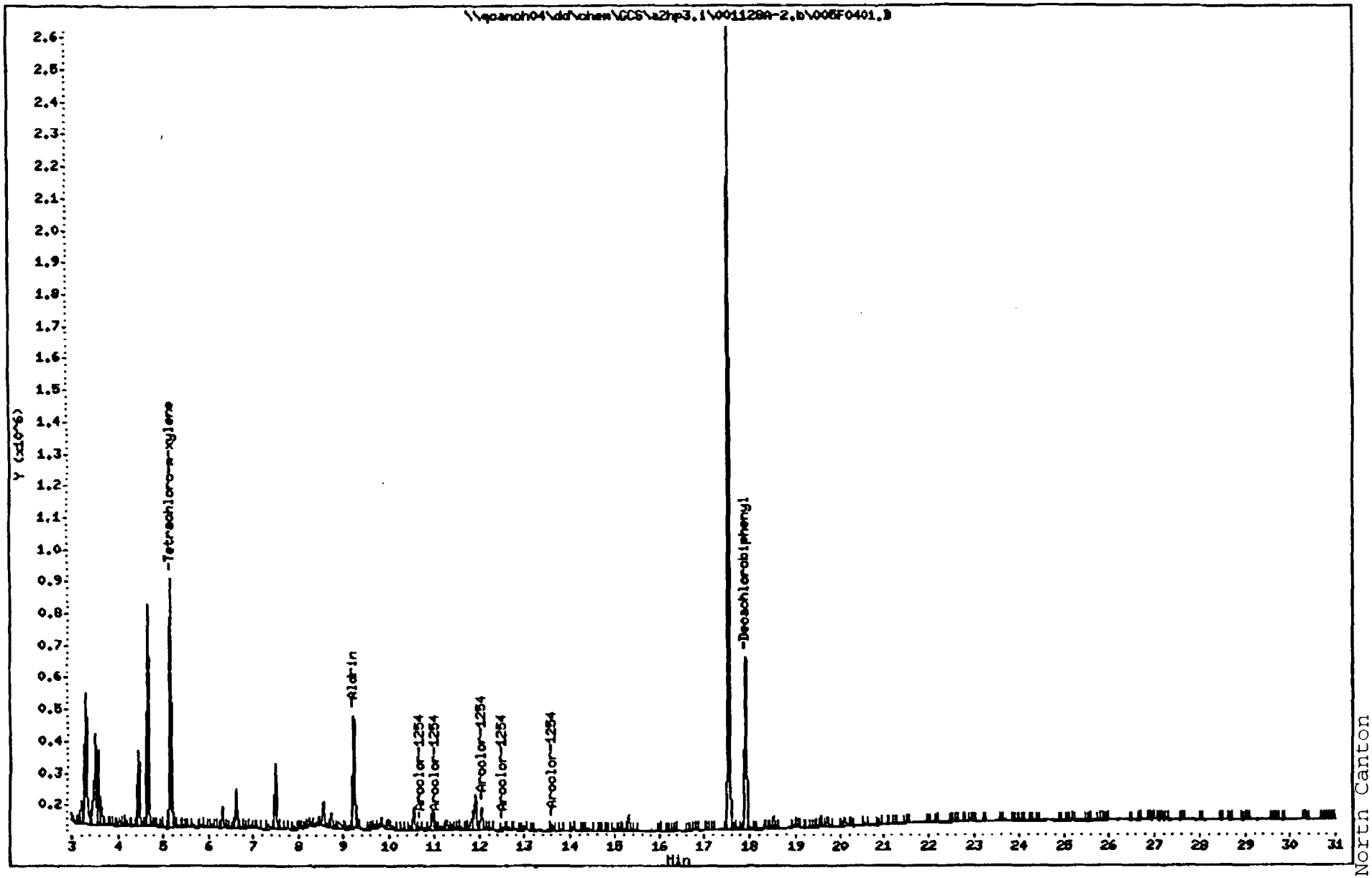
Sample Info: dpht71aa

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

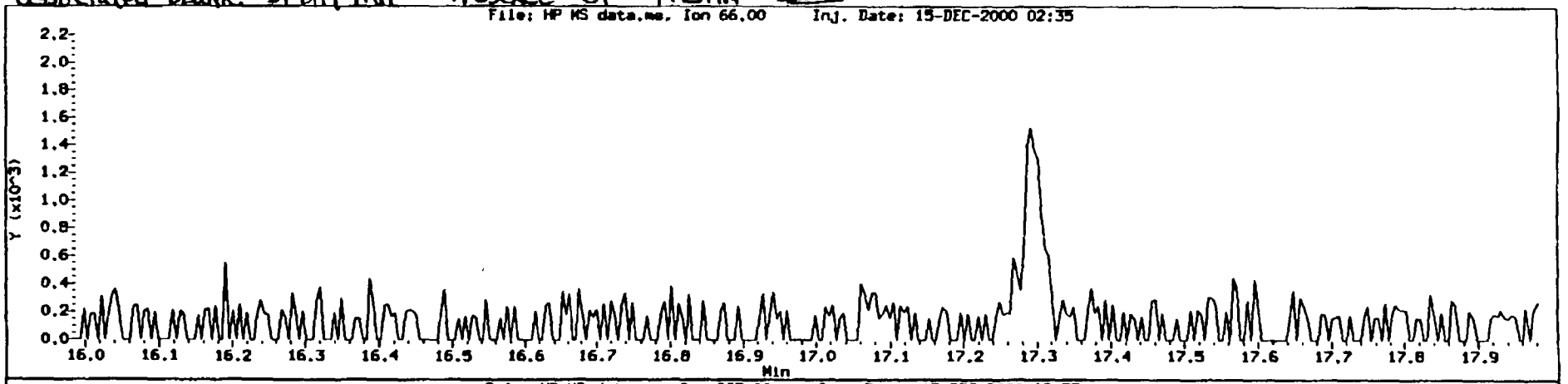
Column diameter: 0.53

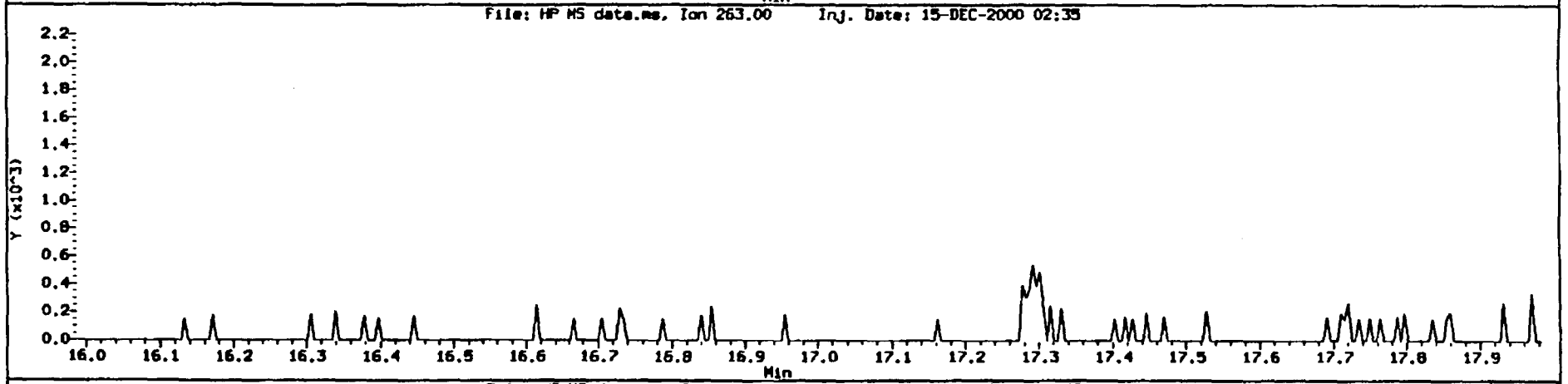


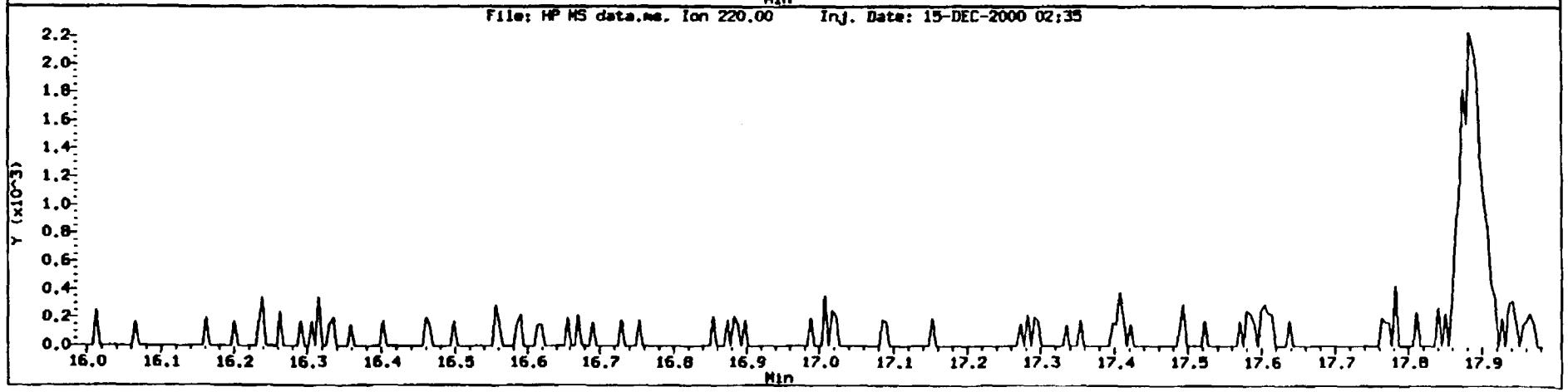
1008

STL North Canton

Associated Blank: DP~~BH9~~HT7 1AA MW 12-15-00 Presence of Aldrin Not Detected.







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLANK2

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPKDE1AA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 011F1001

% Moisture: 0 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.83	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\011F1001.D
Lab Smp Id: DPKDE1AA Client Smp ID: PBLANK2
Inj Date : 28-NOV-2000 20:17
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPKDE1AA
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

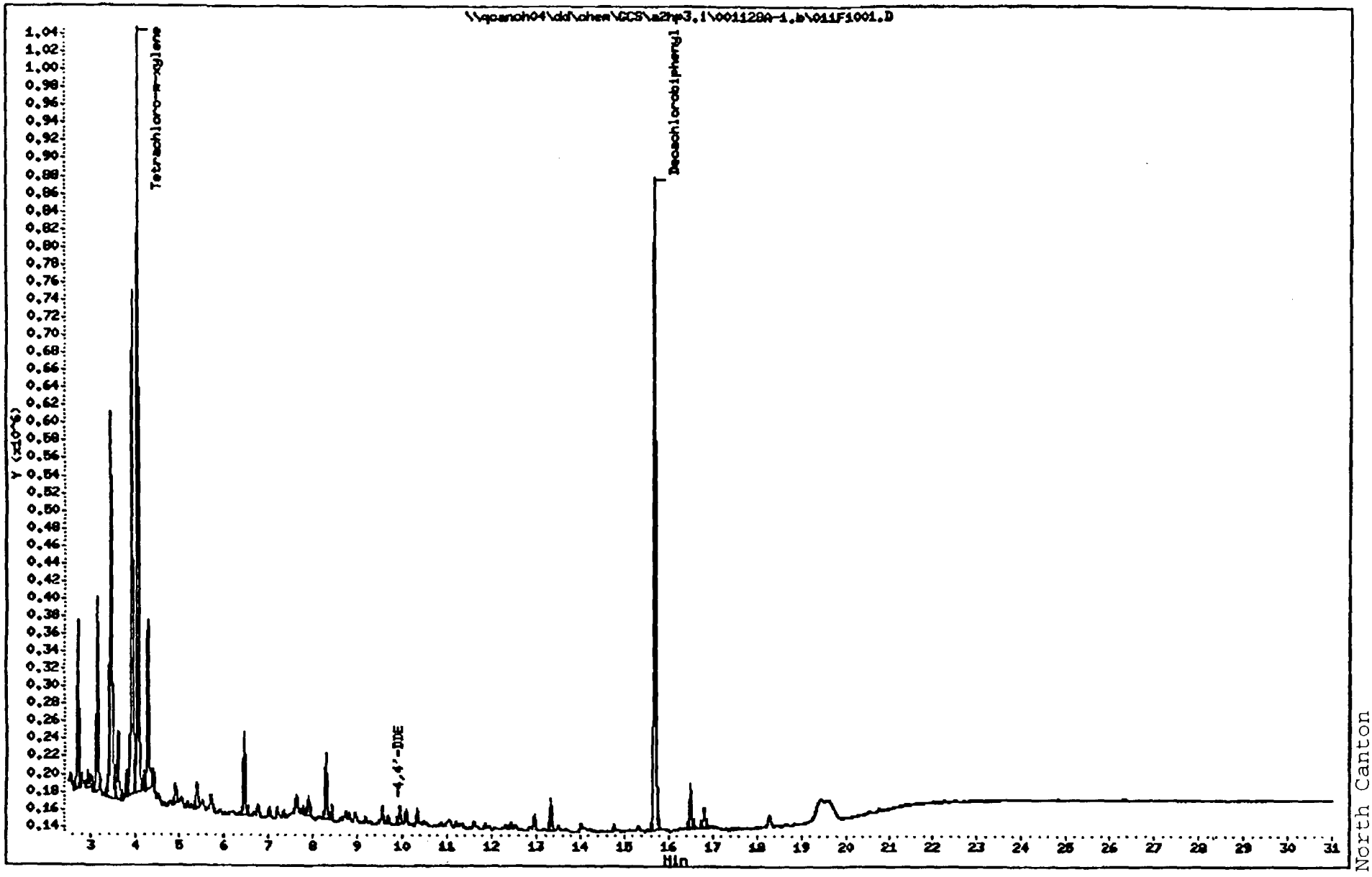
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.045	4.042	(0.003)	2175616	0.01313	4.4			
18 4,4'-DDE					CAS #: 72-55-9			
9.948	9.949	(-0.001)	66054	<0.0	0.13			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.697	15.700	(-0.003)	2347036	0.02022	6.7			

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\011F1001.D
Date : 28-NOV-2000 20:17
Client ID: PBLANK2
Sample Info: DPKDE1AA
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\011F1001.D
Lab Smp Id: DPKDE1AA Client Smp ID: PBLANK2
Inj Date : 28-NOV-2000 20:17
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPKDE1AA
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

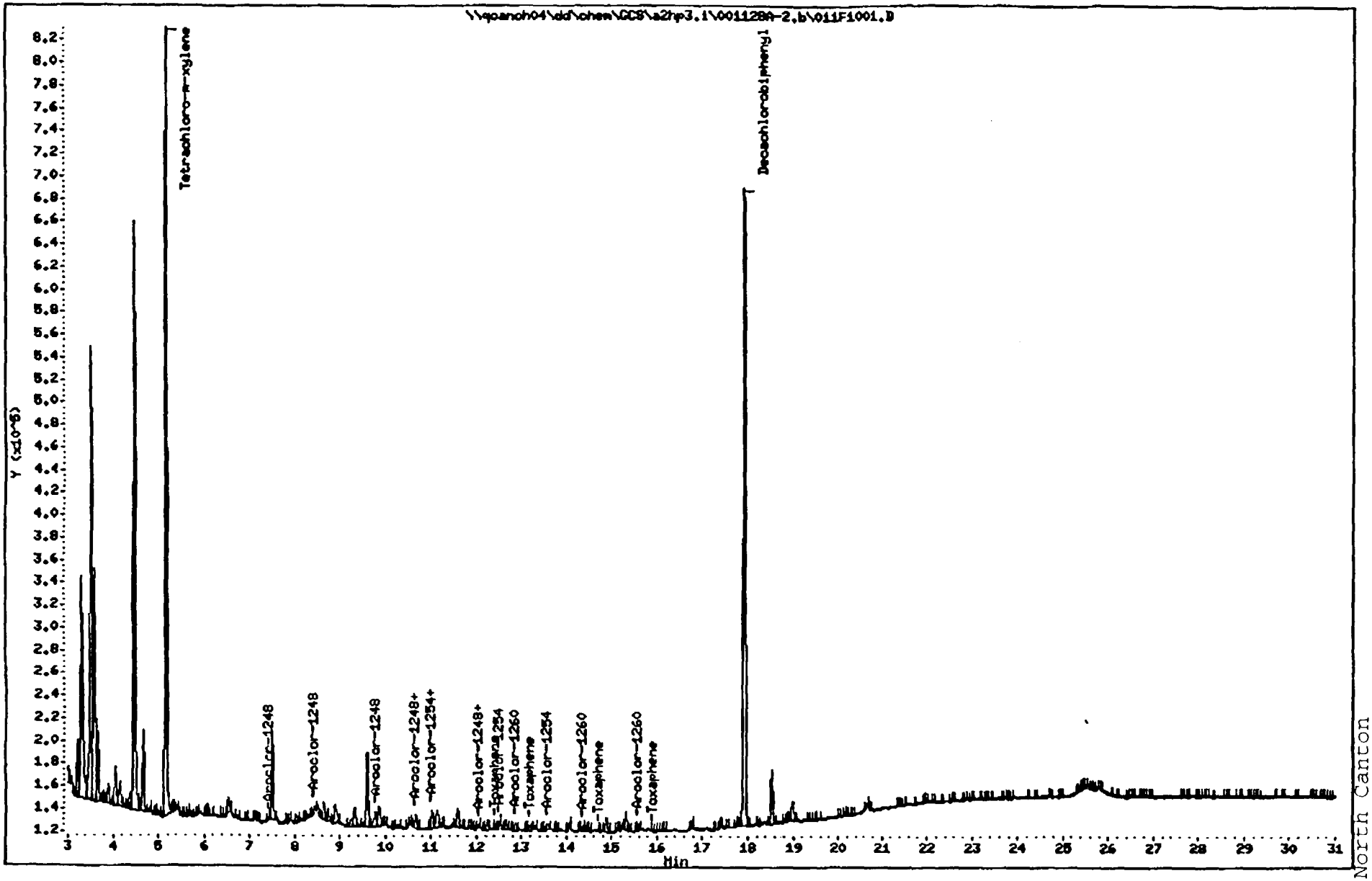
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weigth of sample extracted (g)
M	0.000	% Moisture

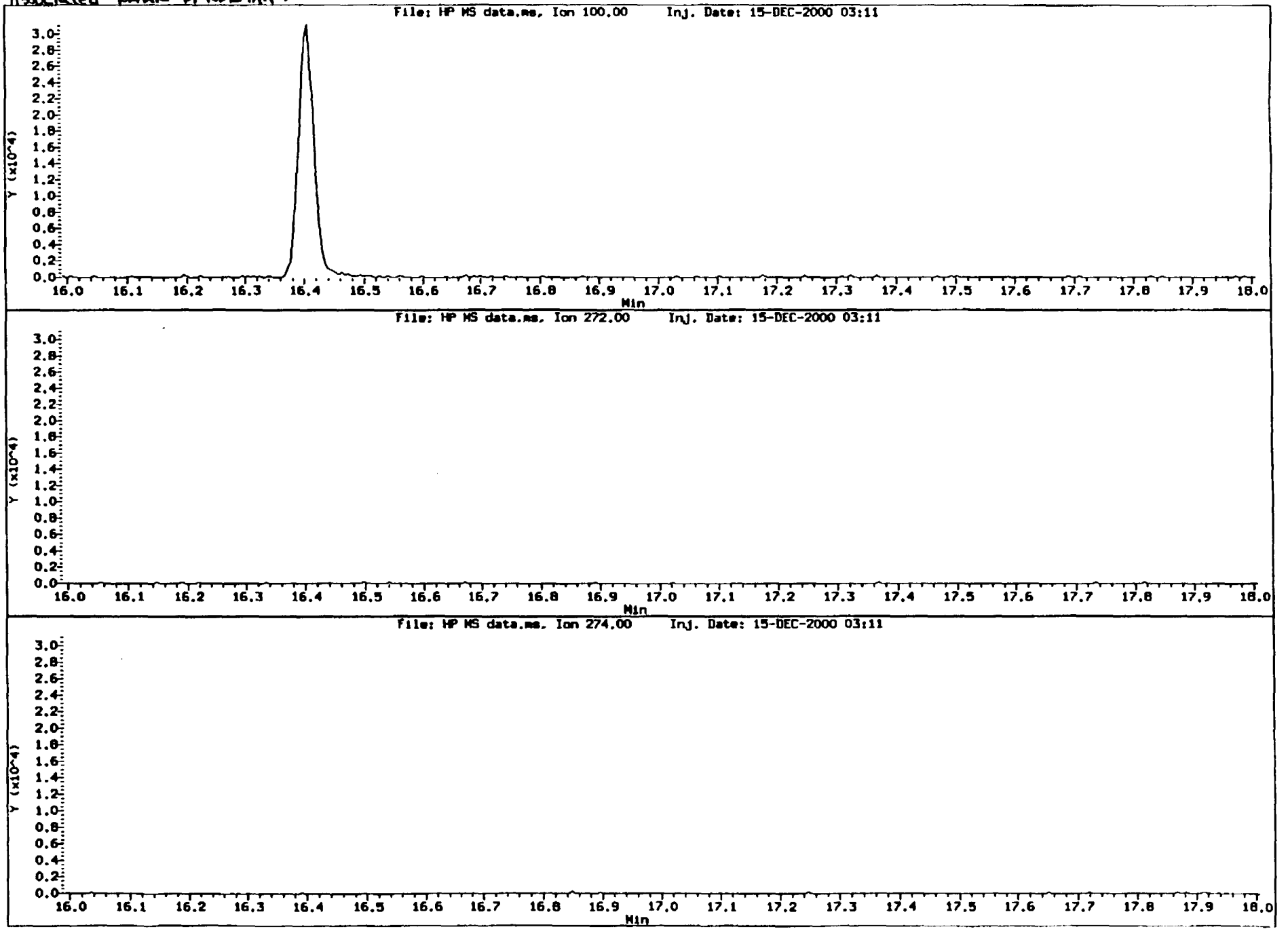
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	1842887	0.01304	4.3		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.920	17.920	(0.000)	1785213	0.02005	6.7		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\011F1001.D
Date : 28-NOV-2000 20:17
Client ID: PBLANK2
Sample Info: DPKDE1AA
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

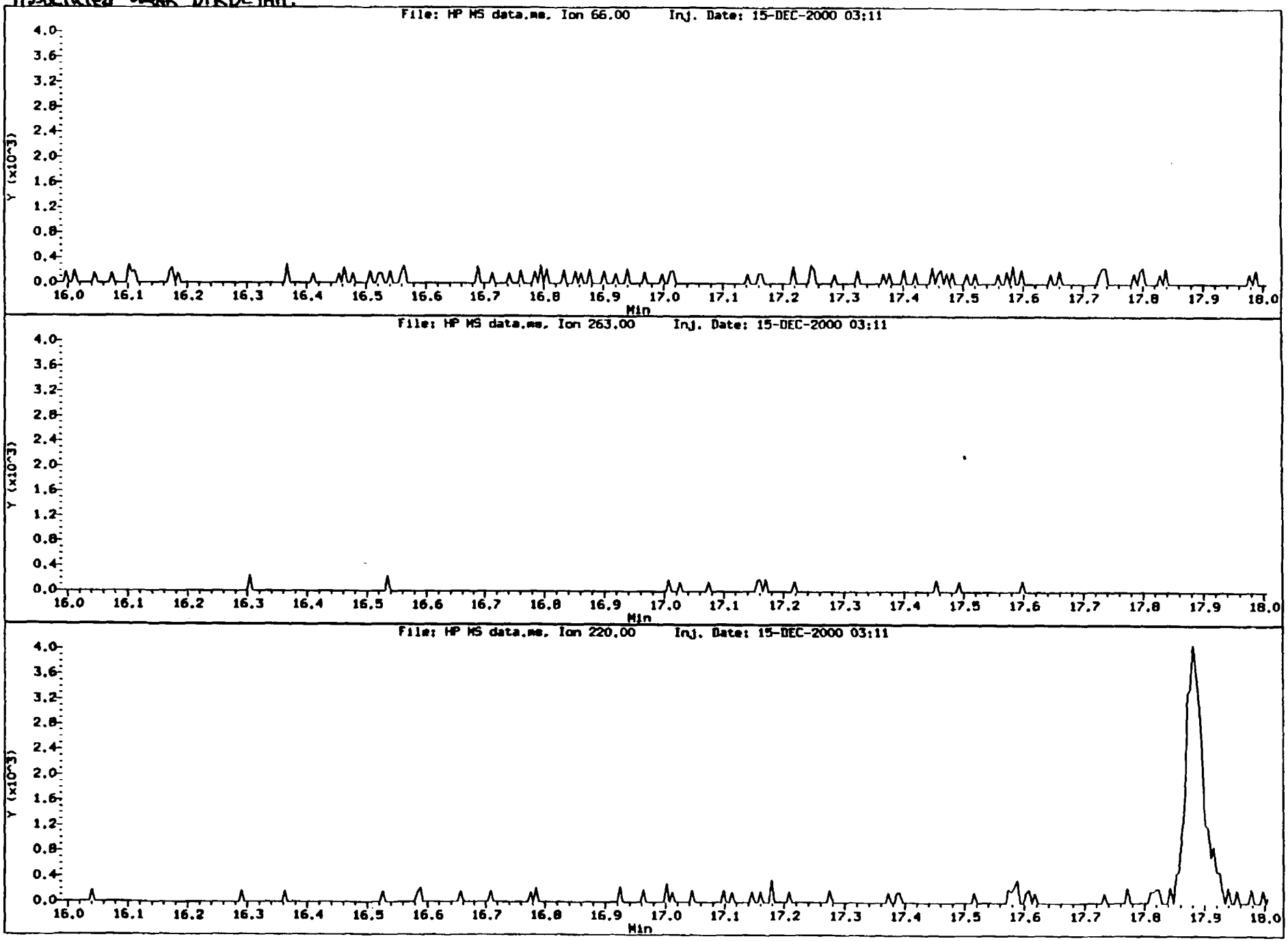
Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



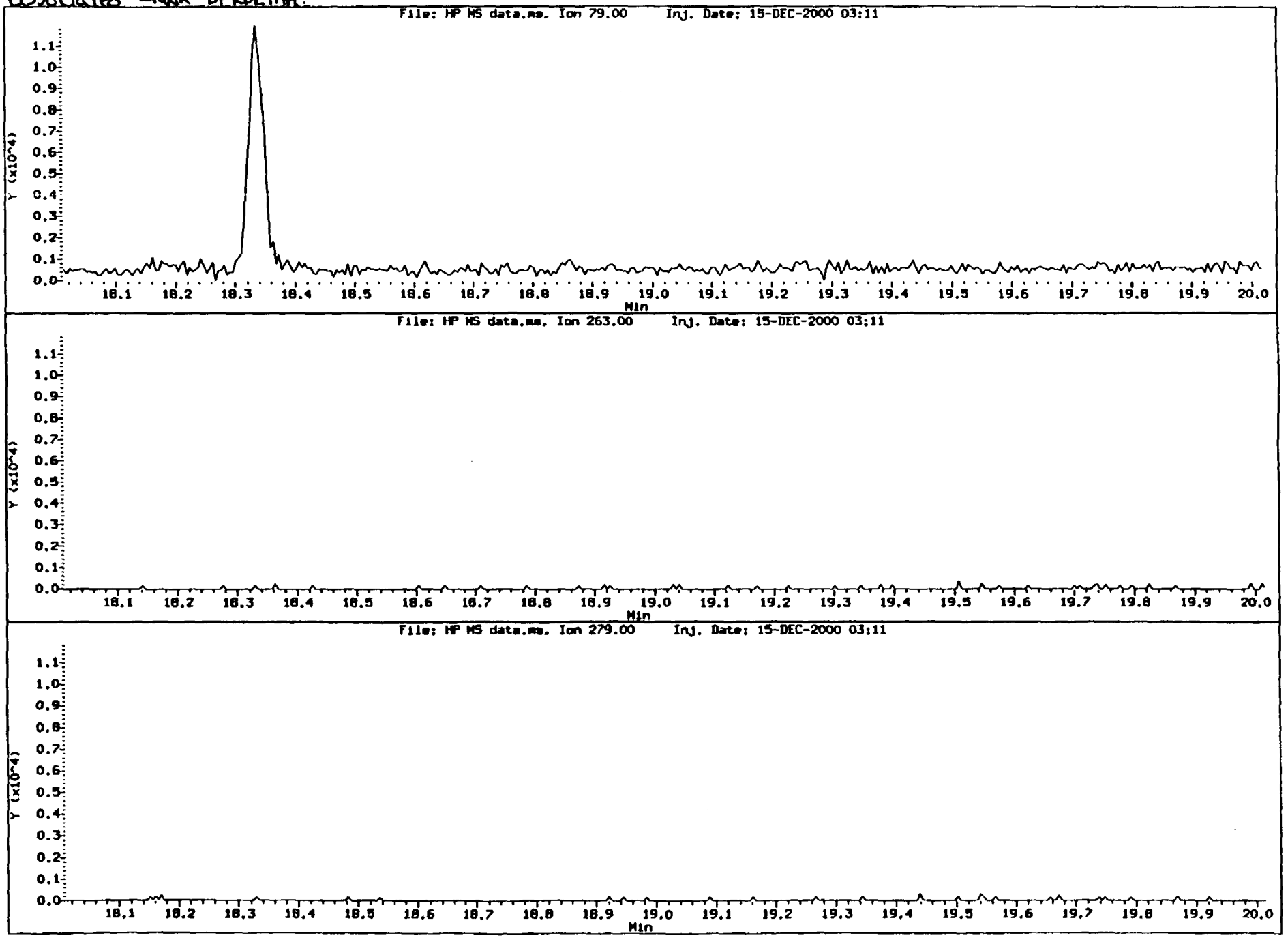
Associated BLANK DPKDE1AA : Presence of Heptachlor Not Detected



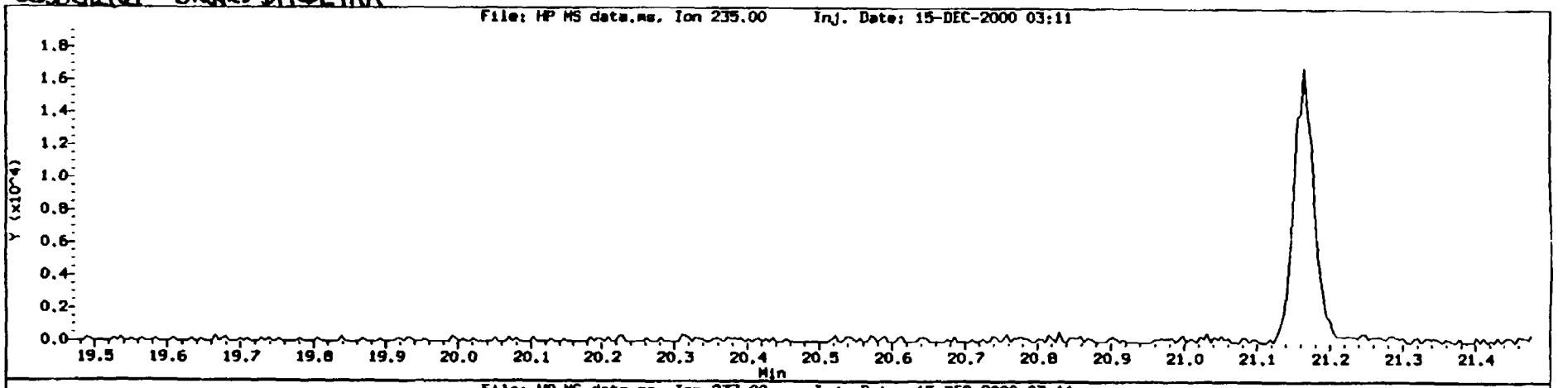
Associated Blank DPKDE1AA: Presense of Aldrin Not Detected.

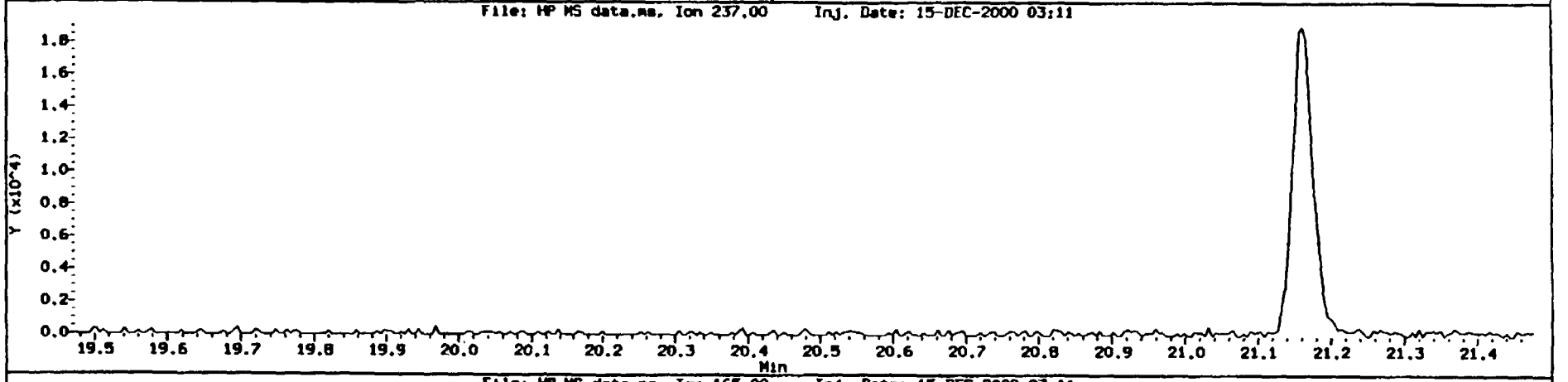


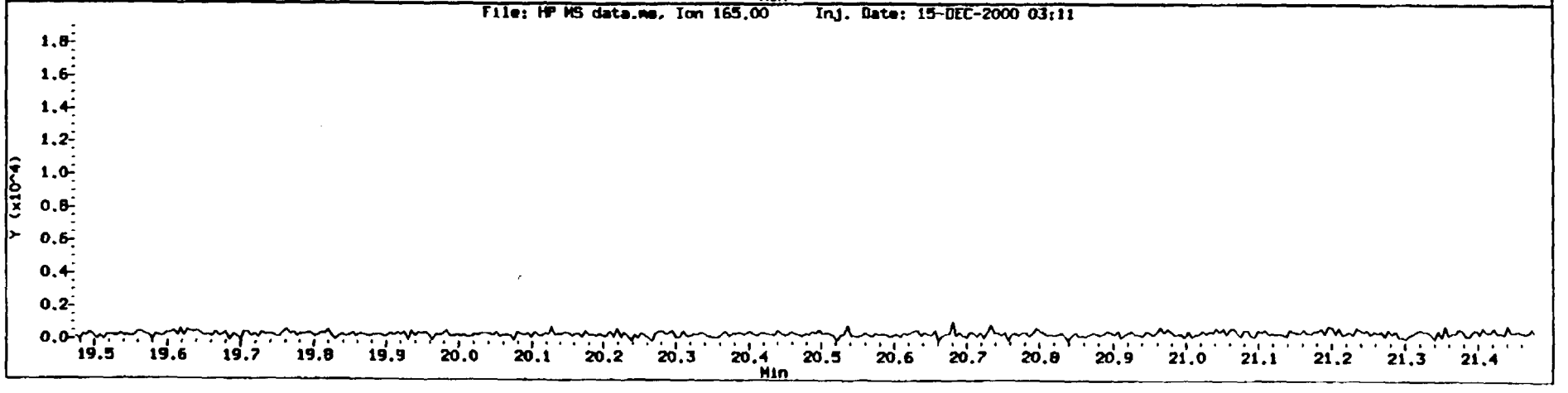
Associated Blank DPKDE1AA: Presense of Dieldrin Not Detected



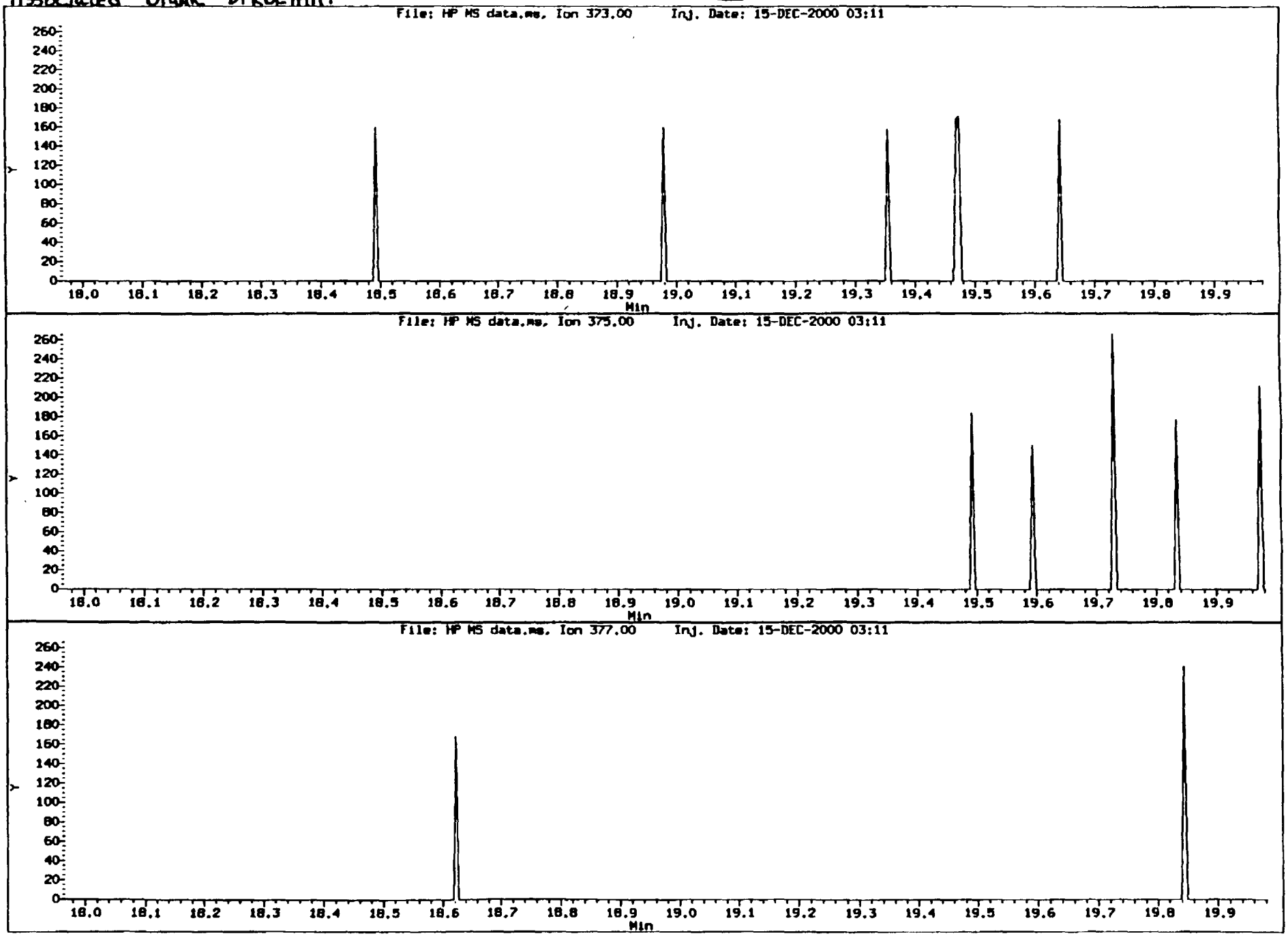
Associated Blank: DPKDE1AA Presense of 4,4-DDT Not Detected.







Associated Blank DPKDE1AA: Presense of Gamma-Chlordane Not Detected.



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\019F1901.D
Lab Smp Id: C622 Client Smp ID: PIBLK1
Inj Date : 28-NOV-2000 01:00
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK1
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:54 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

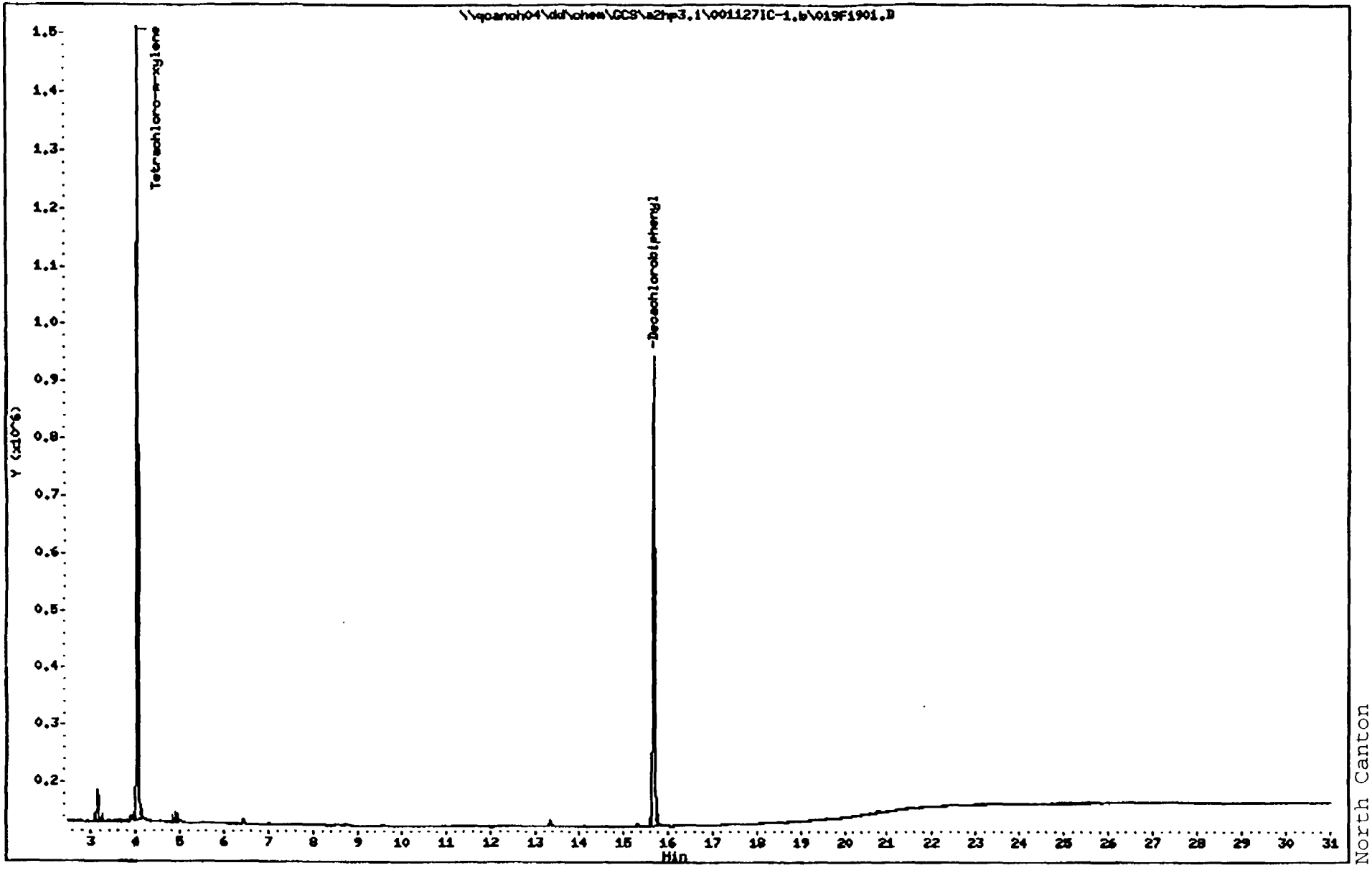
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3272748	0.01975	0.20		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	2567668	0.02212	0.22		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-1.b\019F1901.D
Date : 28-NOV-2000 01:00
Client ID: PIBLK1
Sample Info: C622,,PIBLK1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\019F1901.D
Lab Smp Id: C622 Client Smp ID: PIBLK1
Inj Date : 28-NOV-2000 01:00
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK1
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001127IC-2.b\CLP30b.m
Meth Date : 06-Dec-2000 12:49 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

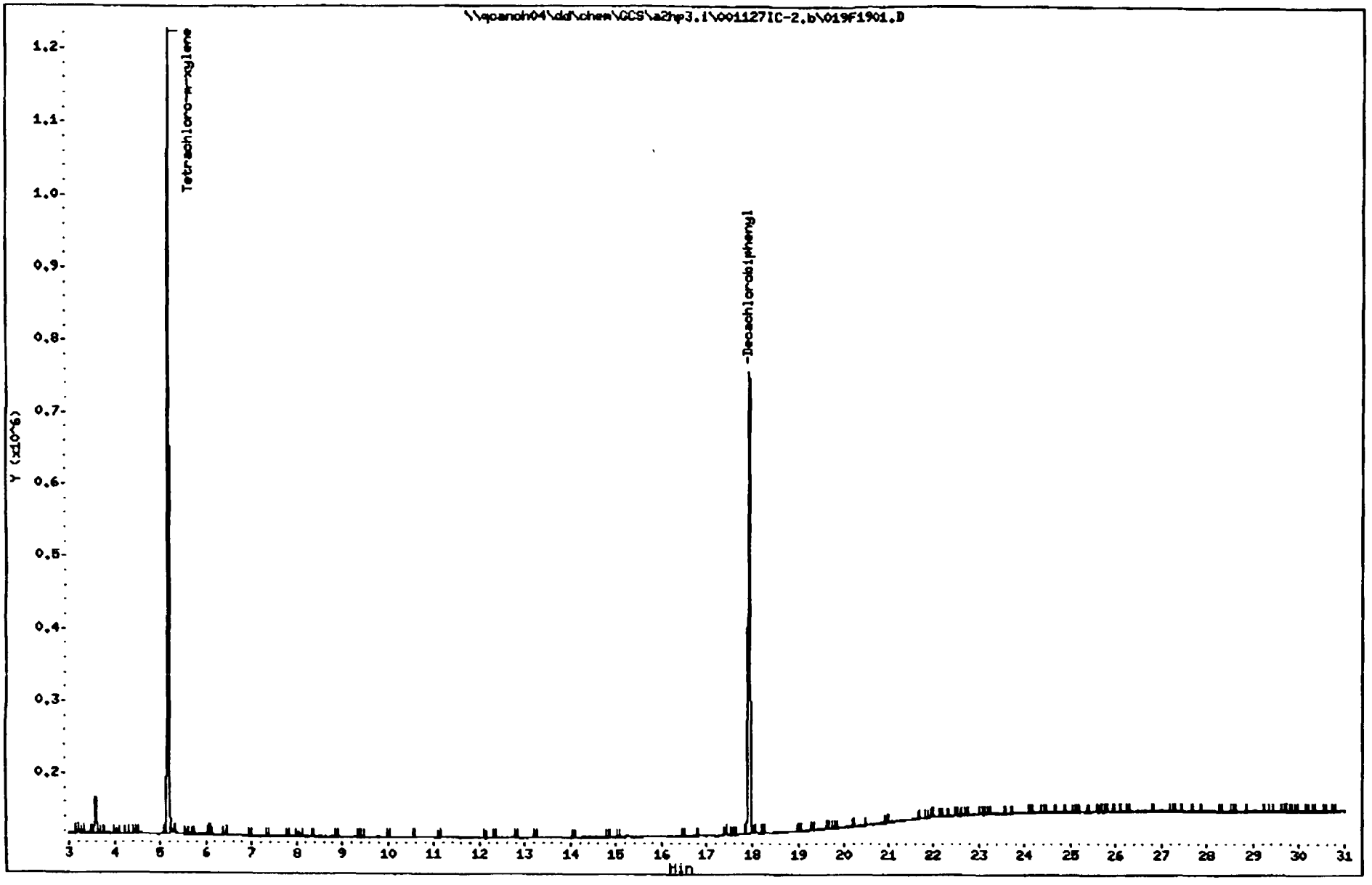
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	2859665	0.02024	0.20		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.921	17.920	(0.001)	2039397	0.02290	0.23		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001127IC-2.b\019F1901.D
Date : 28-NOV-2000 01:00
Client ID: PIBLK1
Sample Info: C622,,PIBLK1
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001784
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 002F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted: 05/12/93

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\002F0101.D
Lab Smp Id: C622 Client Smp ID: PIBLK2
Inj Date : 28-NOV-2000 14:42
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK2
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 2 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

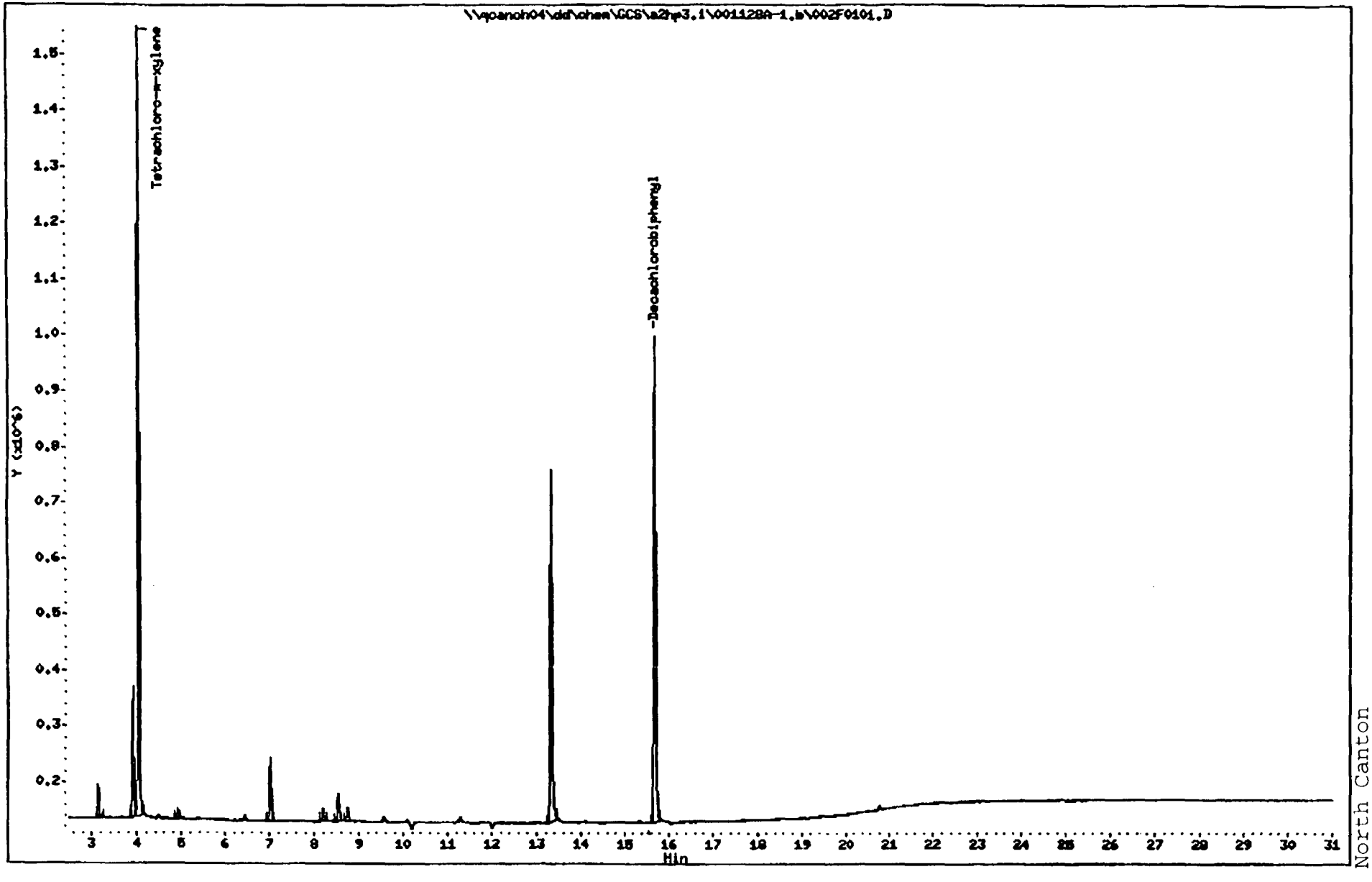
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.044	4.042	(0.002)	3375827	0.02038	0.20		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	2741376	0.02361	0.24		

Data File: \\qpanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\002F0101.D
Date : 28-NOV-2000 14:42
Client ID: PIBLK2
Sample Info: C622,,PIBLK2
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 002F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.087	
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

Not confirmed

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\002F0101.D
Lab Smp Id: C622 Client Smp ID: PIBLK2
Inj Date : 28-NOV-2000 14:42
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK2
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 2 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.170	5.170	(0.000)	2797822	0.01980	0.20		
28 Endrin ketone						CAS #: 53494-70-5	
15.311	15.290	(0.021)	1078185	0.00868	0.087		
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3	
17.921	17.920	(0.001)	2055745	0.02309	0.23		

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-2.b\002F0101.D

Date : 29-NOV-2000 14:42

Client ID: PIBLK2

Sample Info: C622,,PIBLK2

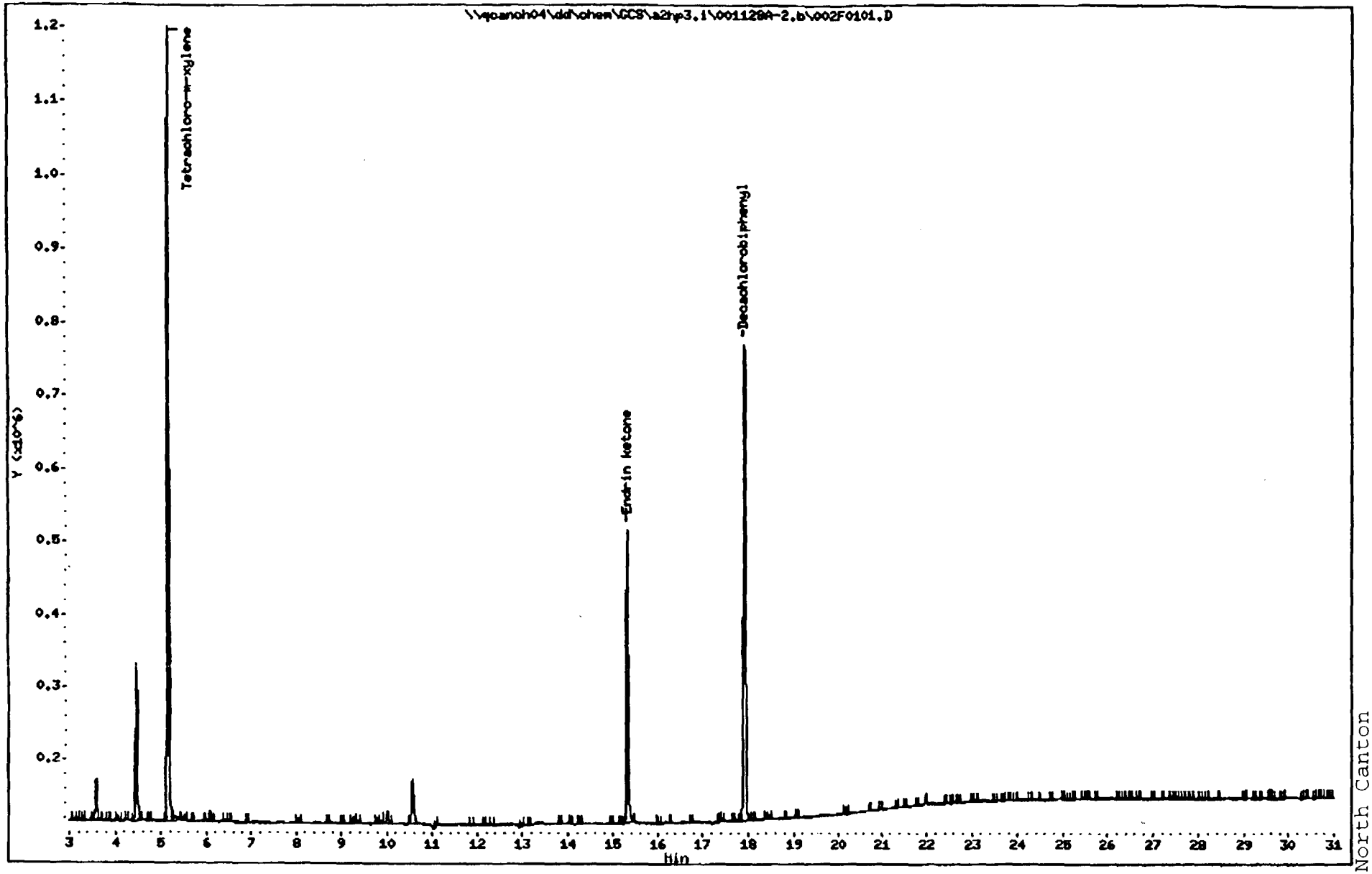
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001764

Column diameter: 0.53



STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1801

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:05/12/93

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\019F1801.D
Lab Smp Id: C622 Client Smp ID: PIBLK3
Inj Date : 29-NOV-2000 01:15
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK3
Misc Info : ALL.SUB,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.SUB
Target Version: 4.04 Sample Matrix: WATER

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

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3491844	0.02108	0.21		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	2698834	0.02325	0.23		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\019F1801.D

Page 2

Date : 29-NOV-2000 01:15

Client ID: PIBLK3

Instrument: a2hp3.i

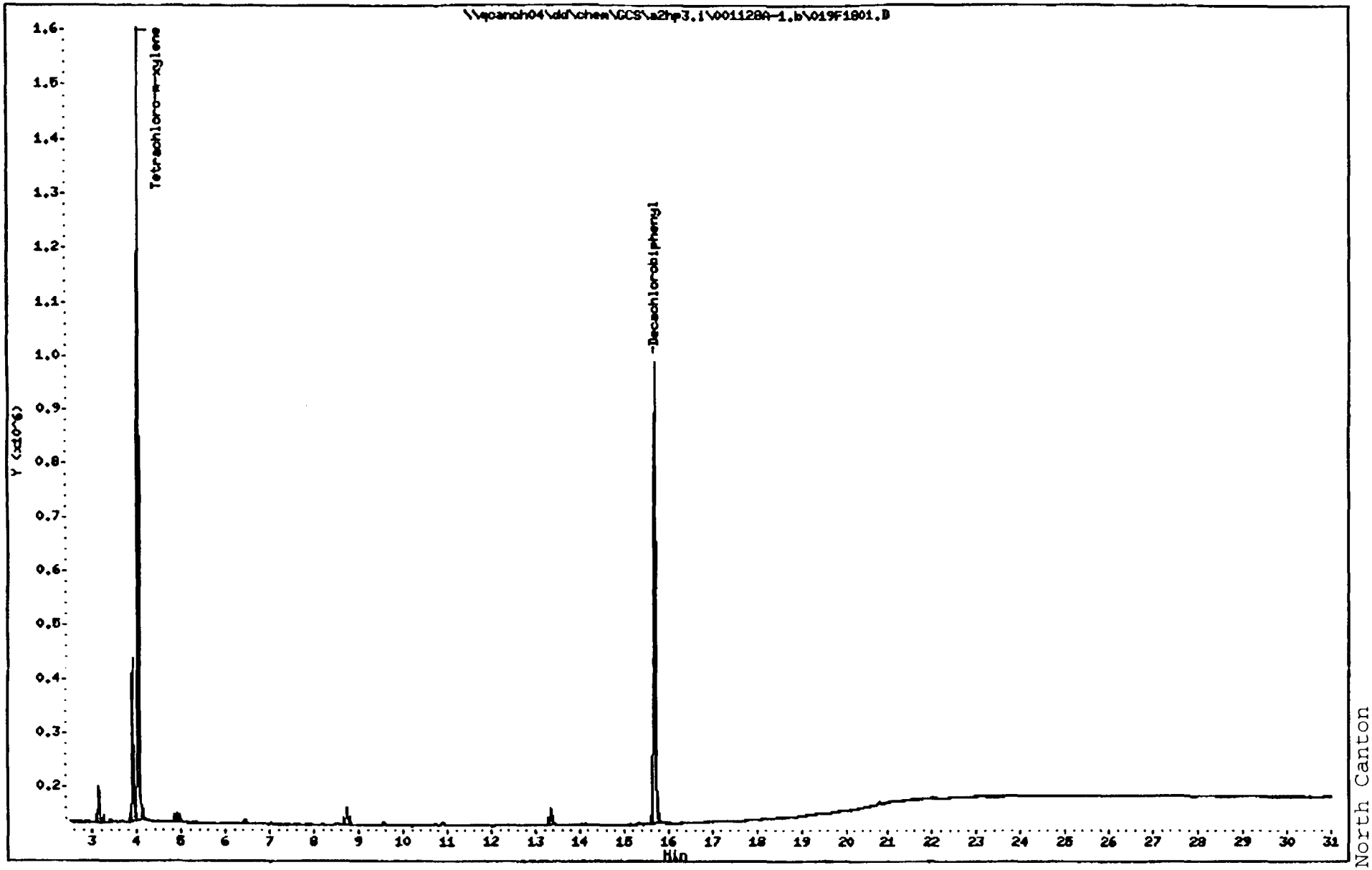
Sample Info: C622,,PIBLK3

Volume Injected (uL): 1.0

Operator: 001754

Column phase: pestolpl

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1801

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\019F1801.D
Lab Smp Id: C622 Client Smp ID: PIBLK3
Inj Date : 29-NOV-2000 01:15
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK3
Misc Info : ALL.SUB,,3,INSTBLANK
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

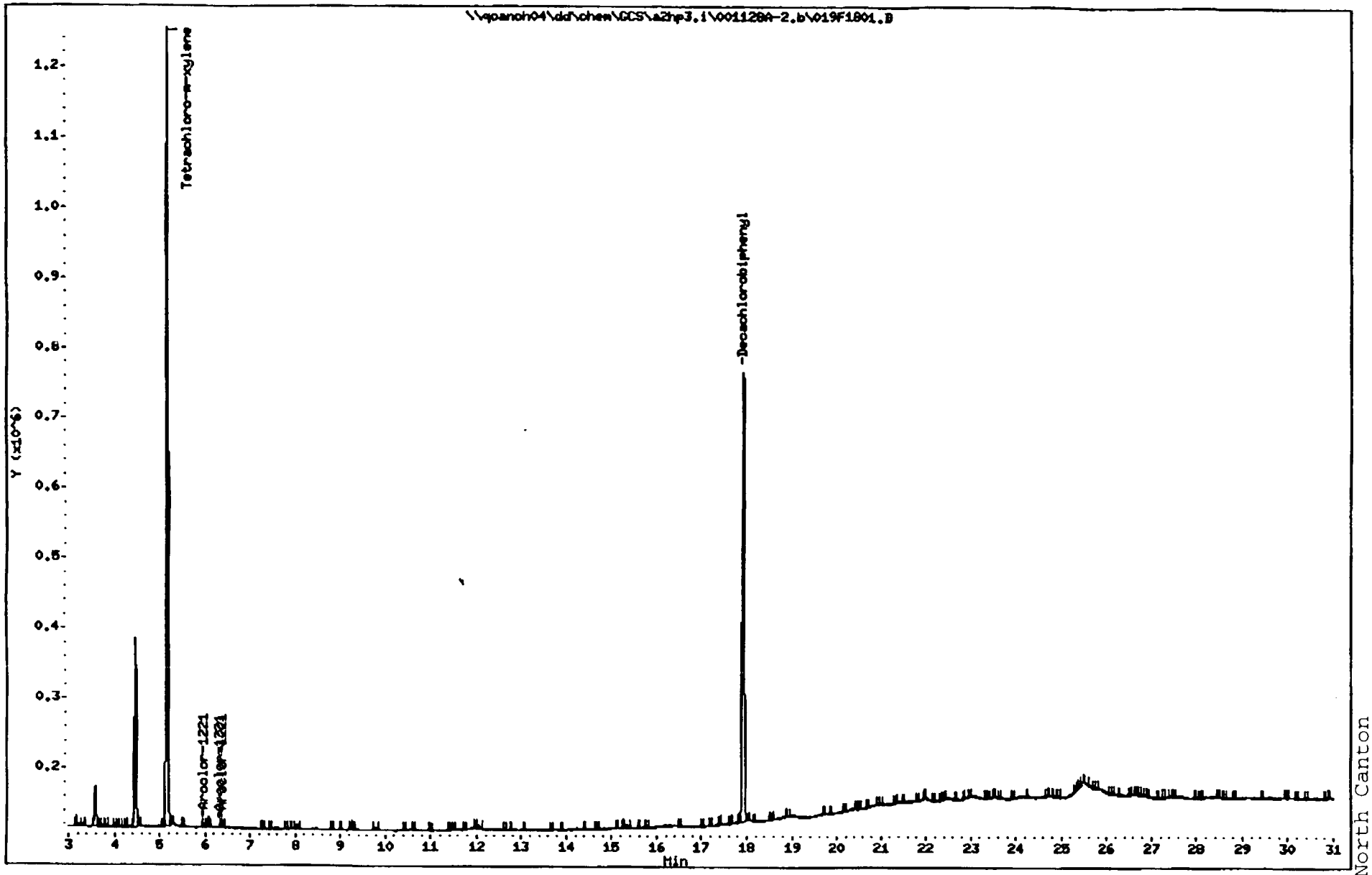
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.170	5.170	(0.000)	2917235	0.02065	0.21		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.922	17.920	(0.002)	2023676	0.02273	0.23		

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\019F1801.D
Date : 29-NOV-2000 01:15
Client ID: PIBLK3
Sample Info: C622,,PIBLK3
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK4

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 029F2801

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:05/12/93

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\029F2801.D
Lab Smp Id: C622 Client Smp ID: PIBLK4
Inj Date : 29-NOV-2000 07:27
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK4
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER

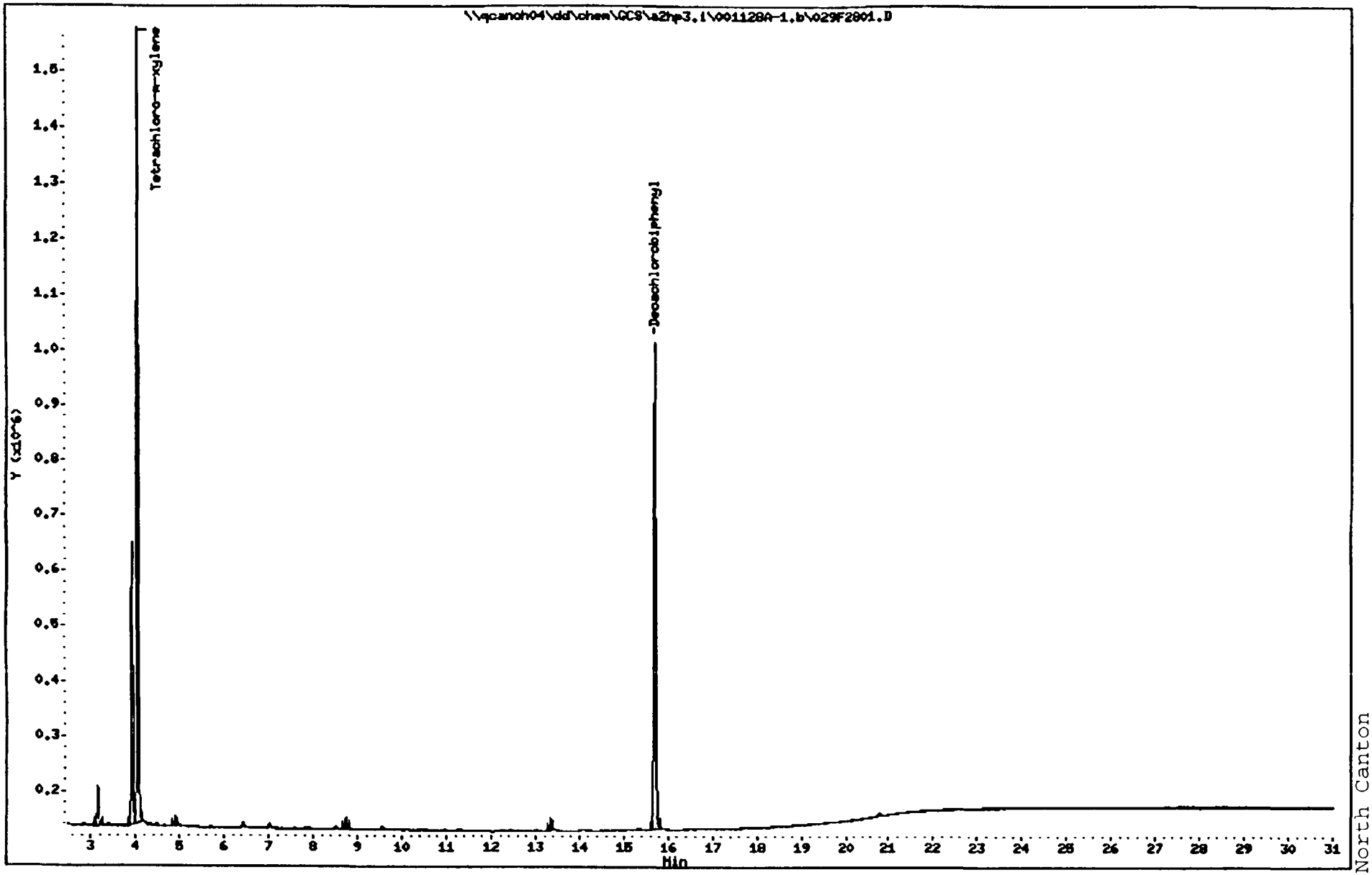
Concentration Formula: Amt * DF * Vt*Vi/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	final volume
Vi	1.000	injection volume
Vo	1000.000	initial volume

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.047	4.042	(0.005)	3585776	0.02164	0.22		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.698	15.700	(-0.002)	2821538	0.02430	0.24		

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\029F2801.D
Date : 29-NOV-2000 07:27
Client ID: PIBLK4
Sample Info: C622,,PIBLK4
Volume Injected (uL): 1.0
Column phase: pestolpI

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK4

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 029F2801

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\029F2801.D
Lab Smp Id: C622 Client Smp ID: PIBLK4
Inj Date : 29-NOV-2000 07:27
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK4
Misc Info : ALL.sub,,3,INSTBLANK
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 29 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.172	5.170	(0.002)	2957416	0.02093	0.21		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.921	17.920	(0.001)	2114218	0.02374	0.24		

Data File: \\wpanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\029F2801.D

Date : 29-NOV-2000 07:27

Client ID: PIBLK4

Sample Info: C622,,PIBLK4

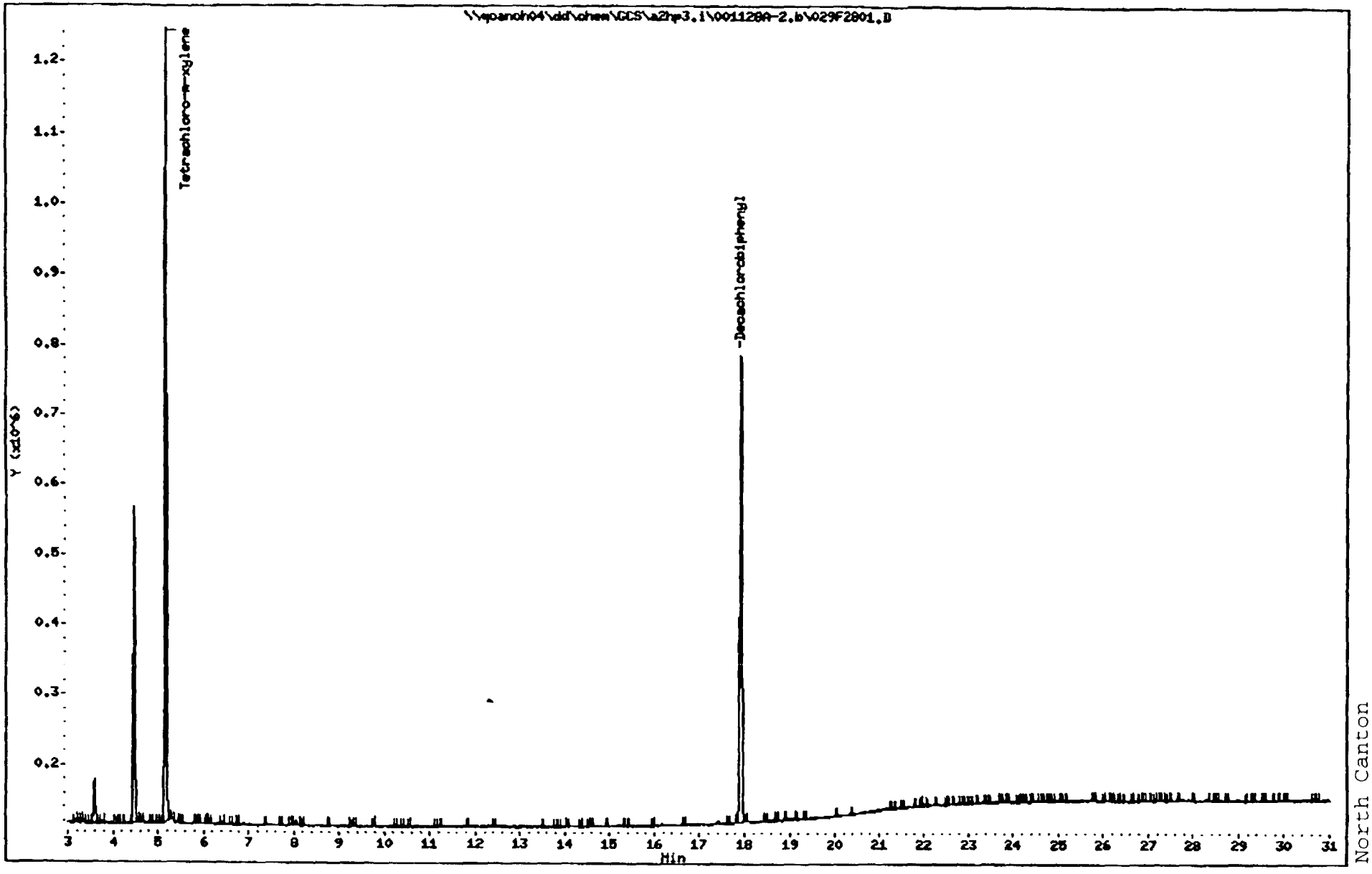
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK5

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: , SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 004F0401

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\004F0401.D
Lab Smp Id: C622 Client Smp ID: PIBLK5
Inj Date : 29-NOV-2000 17:01
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK5
Misc Info : ALL.SUB,,3,INSTBLANK
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001129A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 13:26 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 4 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.SUB
Target Version: 4.04 Sample Matrix: WATER

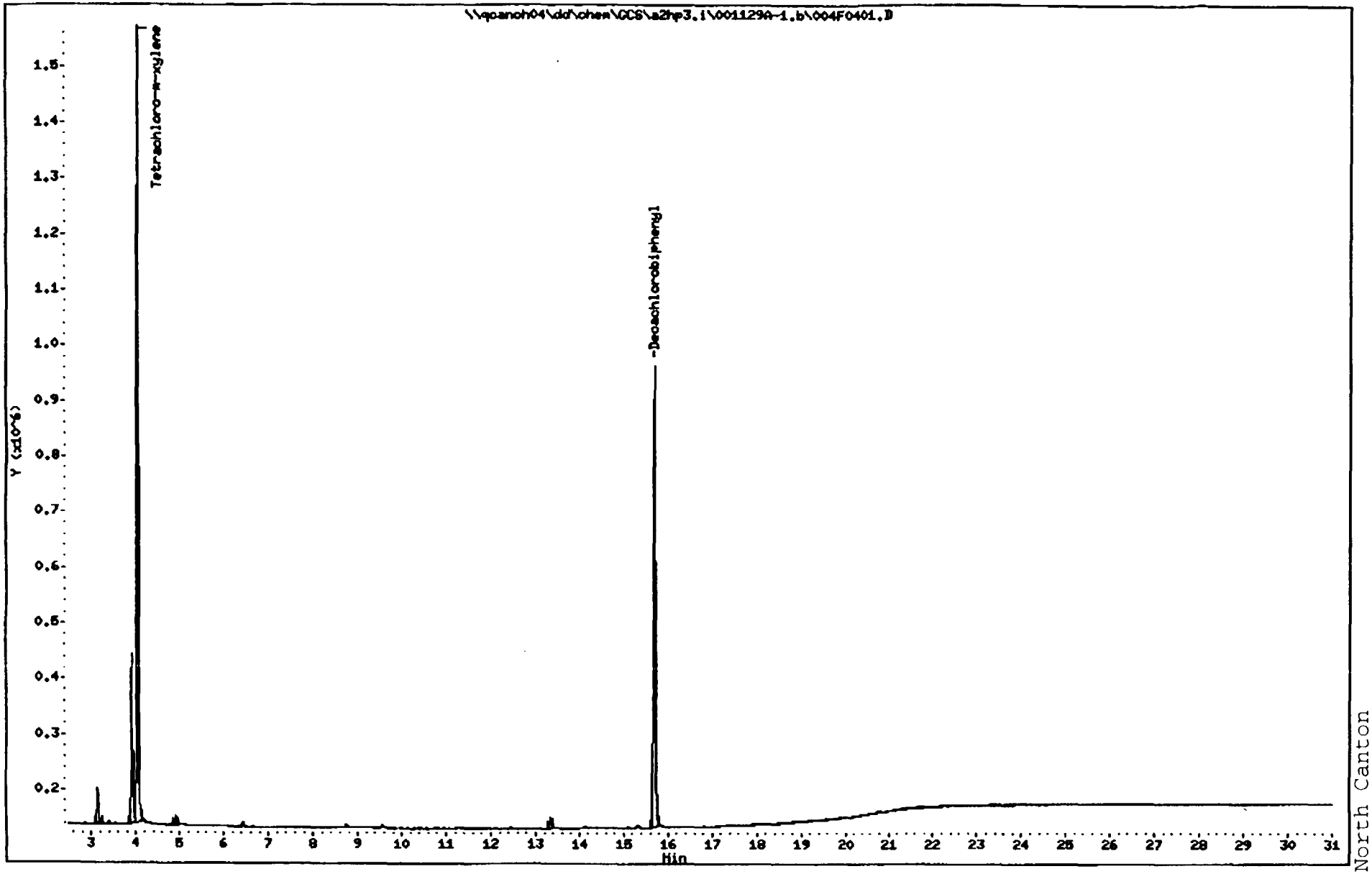
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.043	4.042	(0.001)	3434698	0.02073	0.21		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.696	15.700	(-0.004)	2692067	0.02319	0.23		

Data File: \\qoanoh04\dd\chem\GCS\a2hp3.i\001129A-1.b\004F0401.D
Date : 29-NOV-2000 17:01
Client ID: PIBLK5
Sample Info: C622,,PIBLK5
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK5

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) WATER Lab Sample ID: C622

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 004F0401

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 11/29/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\004F0401.D
Lab Smp Id: C622 Client Smp ID: PIBLK5
Inj Date : 29-NOV-2000 17:01
Operator : 001754 Inst ID: a2hp3.i
Smp Info : C622,,PIBLK5
Misc Info : ALL.SUB,,3,INSTBLANK
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001129A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:27 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 4 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.SUB
Target Version: 4.04 Sample Matrix: WATER
Processing Host: CANPGCSV02

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

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.168	5.170	(-0.002)	2828047	0.02002	0.20		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.919	17.920	(-0.001)	2003458	0.02250	0.22		

Data File: \\qoanoh04\dd\ohem\GCS\a2hp3.i\001129A-2.b\004F0401.D

Page 2

Date : 29-NOV-2000 17:01

Client ID: PIBLK5

Instrument: a2hp3.i

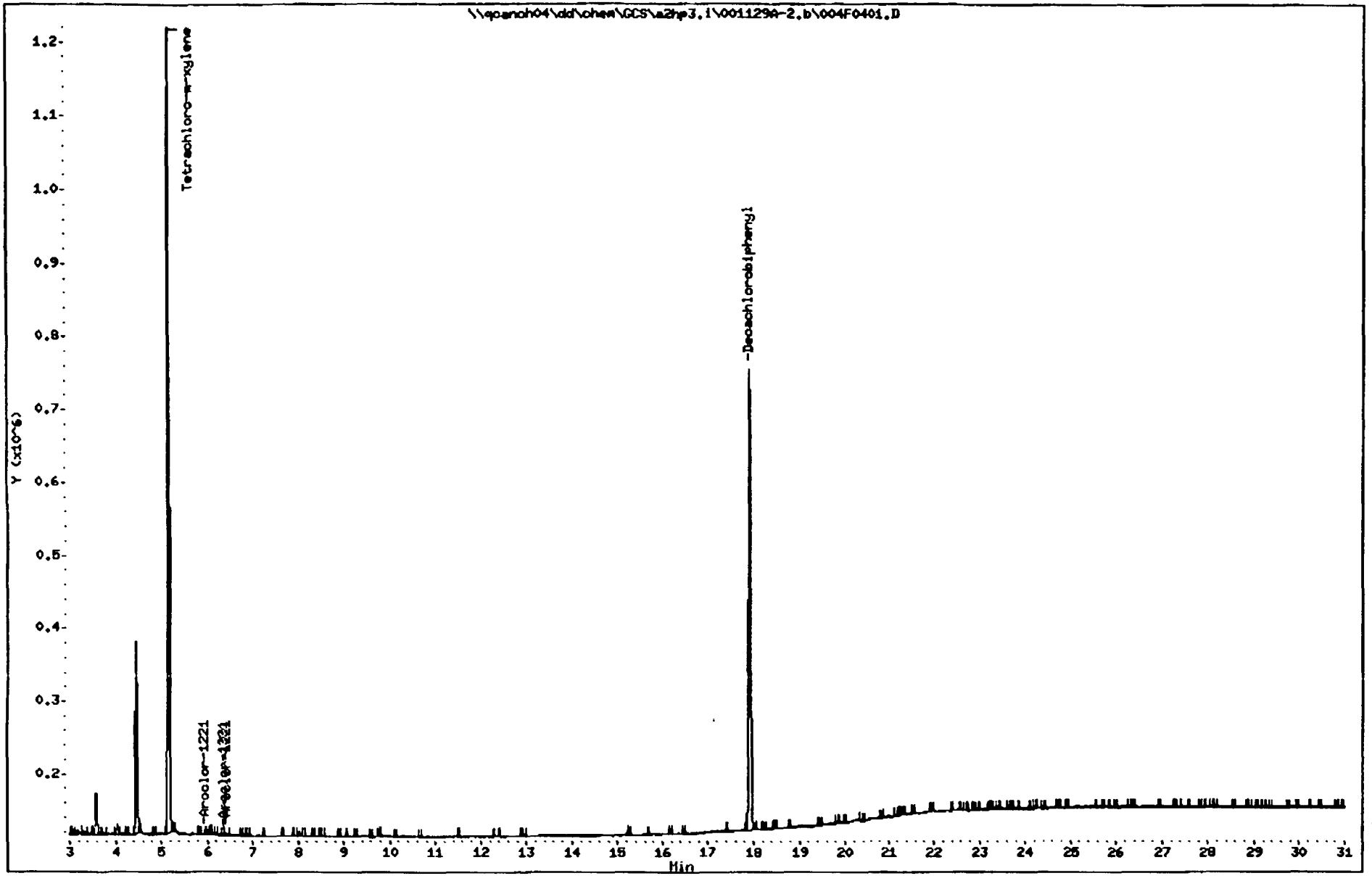
Sample Info: C622,,PIBLK5

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1050

STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-81MS

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPDH91AG

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 009F0801

% Moisture: 24 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	13	
76-44-8	Heptachlor	15	
309-00-2	Aldrin	140	B
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	34	
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	30	
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	32	
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	3.5	
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	1.8	J
5103-74-2	gamma-Chlordane	1.3	J
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\009F0801.D
Lab Smp Id: DPDH91AG Client Smp ID: SL-81MS
Inj Date : 28-NOV-2000 19:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AG
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.045	4.042	(0.003)	1948017	0.01176	5.1			(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9			
6.045	6.042	(0.003)	7419511	0.03169	14			
9 Heptachlor					CAS #: 76-44-8			
7.073	7.071	(0.002)	7258363	0.03455	15			
10 Aldrin					CAS #: 309-00-2			
7.680	7.679	(0.001)	66705715	0.33962	150			(R)

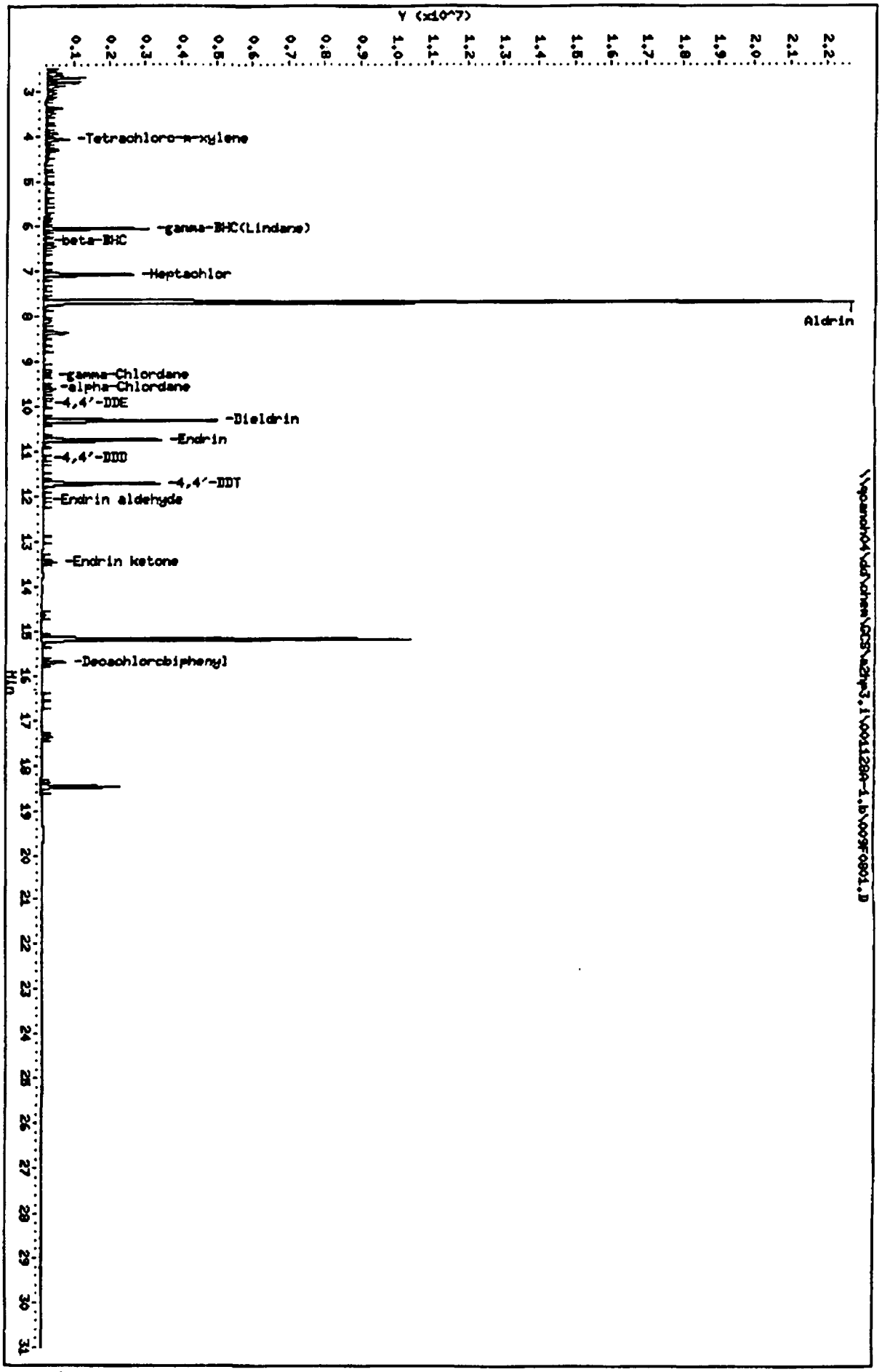
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
12 beta-BHC					CAS #: 319-85-7			
6.311	6.319	(-0.008)	76385	<0.0	0.36			(a)
16 gamma-Chlordane					CAS #: 5103-74-2			
9.300	9.299	(0.001)	537358	0.00303	1.3			(a)
17 alpha-Chlordane					CAS #: 5103-71-9			
9.566	9.582	(-0.016)	766748	0.00447	2.0			(a)
18 4,4'-DDE					CAS #: 72-55-9			
9.947	9.949	(-0.002)	252916	0.00154	0.67			(a)
19 Dieldrin					CAS #: 60-57-1			
10.314	10.310	(0.004)	14363066	0.08005	35			
21 Endrin					CAS #: 72-20-8			
10.746	10.743	(0.003)	9749652	0.07260	32			
24 4,4'-DDD					CAS #: 72-54-8			
11.164	11.166	(-0.002)	309416	0.00245	1.1			(a)
25 4,4'-DDT					CAS #: 50-29-3			
11.717	11.720	(-0.003)	10319899	0.07981	35			
26 Endrin aldehyde					CAS #: 7421-93-4			
12.099	12.100	(-0.001)	94292	<0.0	0.40			(a)
29 Endrin ketone					CAS #: 53494-70-5			
13.454	13.453	(0.001)	1137717	0.00810	3.5			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.698	15.700	(-0.002)	1959390	0.01688	7.4			

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\0011280-1.b\009F0801.D
Date : 29-NOV-2000 19:03
Client ID: SL-81W8
Sample Info: DPBH91AC
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



\\qcanch04\dd\chem\GCS\a2hp3.i\0011280-1.b\009F0801.D

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\009F0801.D
Lab Smp Id: DPDH91AG Client Smp ID: SL-81MS
Inj Date : 28-NOV-2000 19:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AG
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.090	Weigth of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.171	5.170	(0.001)	1394735	0.00987	4.3			(R)
8 gamma-BHC(Lindane)					CAS #: 58-89-9			
7.620	7.619	(0.001)	6073771	0.03025	13			
11 Heptachlor					CAS #: 76-44-8			
8.569	8.569	(0.000)	6297070	0.03521	15			
16 Aroclor-1254					CAS #: 11097-69-1			
10.686	10.660	(0.026)	158544	0.03313	14	80.00- 120.00	100.00	
11.048	11.080	(-0.032)	15943	0.00284	1.2	97.51- 137.51	10.06	

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
16 Aroclor-1254 (continued)								
12.034	12.010	(0.024)	42171	0.00579	2.5	132.22- 172.22	26.60	
12.522	12.490	(0.032)	8372354	1.72028	750	81.70- 121.70	5280.78	
13.607	13.580	(0.027)	8366407	0.96756	420	160.68- 200.68	5277.03	
		Average of Peak Concentrations =			240			
12 Aldrin					CAS #: 309-00-2			
9.242	9.240	(0.002)	55162333	0.33307	140			(R)
14 gamma-Chlordane					CAS #: 5103-74-2			
10.960	10.960	(0.000)	546273	0.00354	1.5			(a)
17 alpha-Chlordane					CAS #: 5103-71-9			
11.278	11.280	(-0.002)	625494	0.00424	1.8			(a)
18 Dieldrin					CAS #: 60-57-1			
11.919	11.920	(-0.001)	11976987	0.07889	34			
20 Endrin					CAS #: 72-20-8			
12.522	12.520	(0.002)	8372354	0.06998	30			
26 4,4'-DDT					CAS #: 50-29-3			
13.607	13.610	(-0.003)	8366407	0.07434	32			
28 Endrin ketone					CAS #: 53494-70-5			
15.288	15.290	(-0.002)	1074515	0.00865	3.8			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.921	17.920	(0.001)	1545014	0.01735	7.6			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\009F0801.D

Page 3

Date : 28-NOV-2000 19:03

Client ID: SL-81MS

Instrument: a2hp3.i

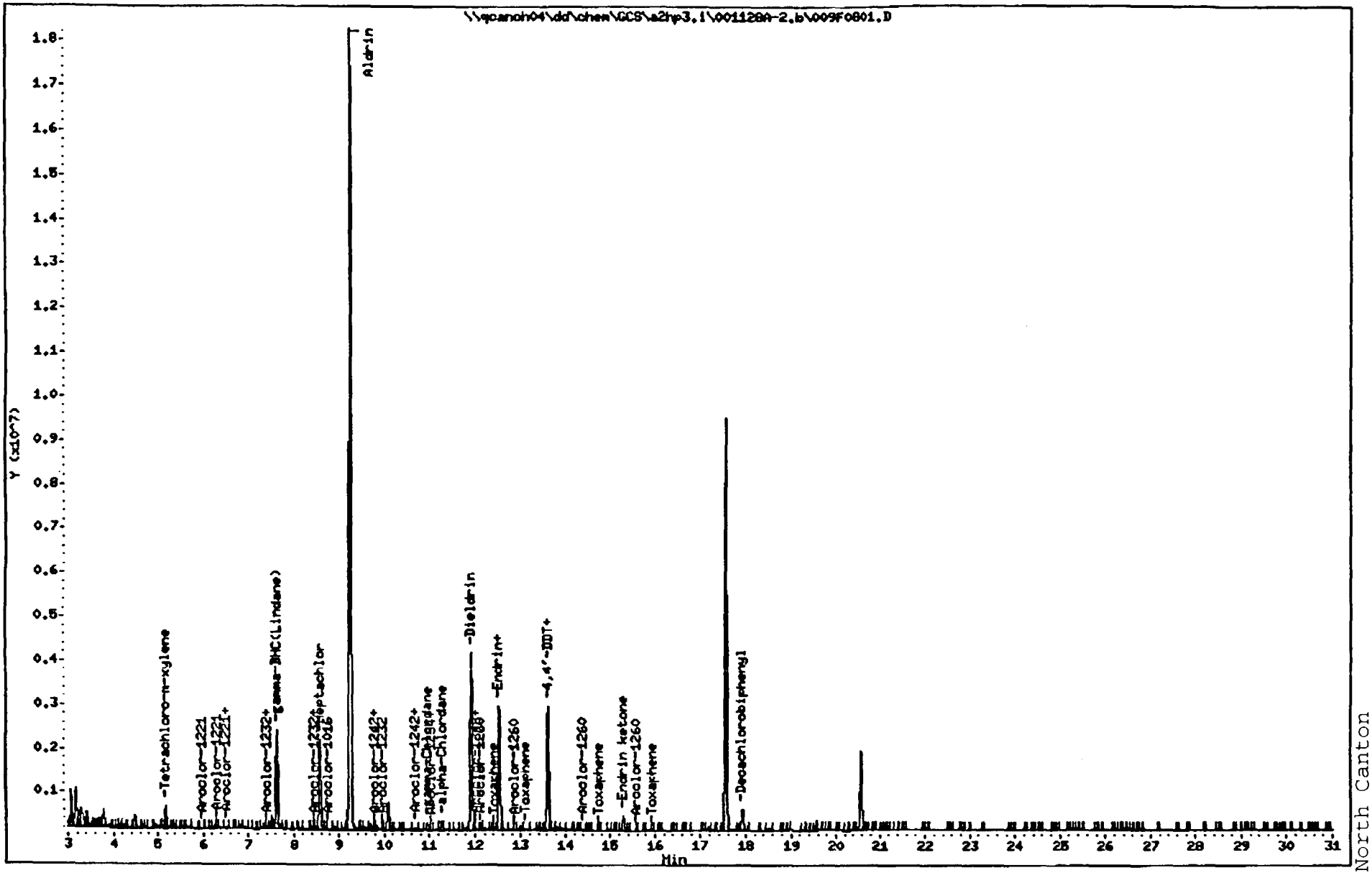
Sample Info: DPDH91AC

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-81MSD

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPDH91AH

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 010F0901

% Moisture: 24 decanted: (Y/N) N Date Received: 11/04/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/08/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	15	
76-44-8	Heptachlor	17	
309-00-2	Aldrin	200	B
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	40	
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	35	
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	35	
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.0	
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	1.2	J
5103-74-2	gamma-Chlordane	1.8	J
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

FORM I PEST OLM03.0

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\010F0901.D
Lab Smp Id: DPDH91AH Client Smp ID: SL-81MSD
Inj Date : 28-NOV-2000 19:40
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AH
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	2364213	0.01427	6.2		
4 Aroclor-1232					CAS #: 11141-16-5		
4.944	4.952	(-0.008)	142240	0.03378	15	80.00- 120.00	100.00
5.730	5.759	(-0.029)	750865	0.29321	130	40.82- 80.82	527.89
7.072	7.051	(0.021)	8193472	3.98035	1700	28.89- 68.89	5760.31
7.897	7.940	(-0.043)	116540	0.05485	24	30.47- 70.47	81.93
Average of Peak Concentrations =					470		
3 Aroclor-1016					CAS #: 12674-11-2		
4.944	4.952	(-0.008)	142240	0.04182	18	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
3 Aroclor-1016 (continued)								
5.730	5.759	(-0.029)	750865	0.12319	54	159.19- 199.19	527.89	
6.709	6.771	(-0.062)	249000	0.02203	9.6	312.34- 352.34	175.06	
7.072	7.051	(0.021)	8193472	1.68143	740	123.26- 163.26	5760.31	
7.897	7.941	(-0.044)	116540	0.02246	9.8	132.51- 172.51	81.93	
Average of Peak Concentrations =					170			
5 alpha-BHC					CAS #: 319-84-6			
5.271	5.321	(-0.050)	101992	<0.0	0.17			(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9			
6.046	6.042	(0.004)	8410104	0.03592	16			
9 Heptachlor					CAS #: 76-44-8			
7.072	7.071	(0.001)	8193472	0.03900	17			
10 Aldrin					CAS #: 309-00-2			
7.680	7.679	(0.001)	90894168	0.46277	200			(R)
12 beta-BHC					CAS #: 319-85-7			
6.342	6.319	(0.023)	210562	0.00224	0.98			(a)
16 gamma-Chlordane					CAS #: 5103-74-2			
9.300	9.299	(0.001)	742020	0.00418	1.8			(a)
17 alpha-Chlordane					CAS #: 5103-71-9			
9.577	9.582	(-0.005)	524869	0.00306	1.3			(a)
18 4,4'-DDE					CAS #: 72-55-9			
9.946	9.949	(-0.003)	343267	0.00209	0.92			(a)
19 Dieldrin					CAS #: 60-57-1			
10.313	10.310	(0.003)	16664762	0.09286	41			
21 Endrin					CAS #: 72-20-8			
10.745	10.743	(0.002)	11180369	0.08326	36			
24 4,4'-DDD					CAS #: 72-54-8			
11.161	11.166	(-0.005)	448332	0.00355	1.6			(a)
25 4,4'-DDT					CAS #: 50-29-3			
11.716	11.720	(-0.004)	11343635	0.08772	38			
26 Endrin aldehyde					CAS #: 7421-93-4			
12.099	12.100	(-0.001)	107952	0.00104	0.45			(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
29 Endrin ketone					CAS #: 53494-70-5		
13.453	13.453	(0.000)	1281403	0.00912	4.0		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.696	15.700	(-0.004)	2366580	0.02038	8.9		

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\GCS\a2hp3.i\001128A-1.b\010F0901.D

Page 4

Date : 28-NOV-2000 19:40

Client ID: SL-81MSD

Instrument: a2hp3.i

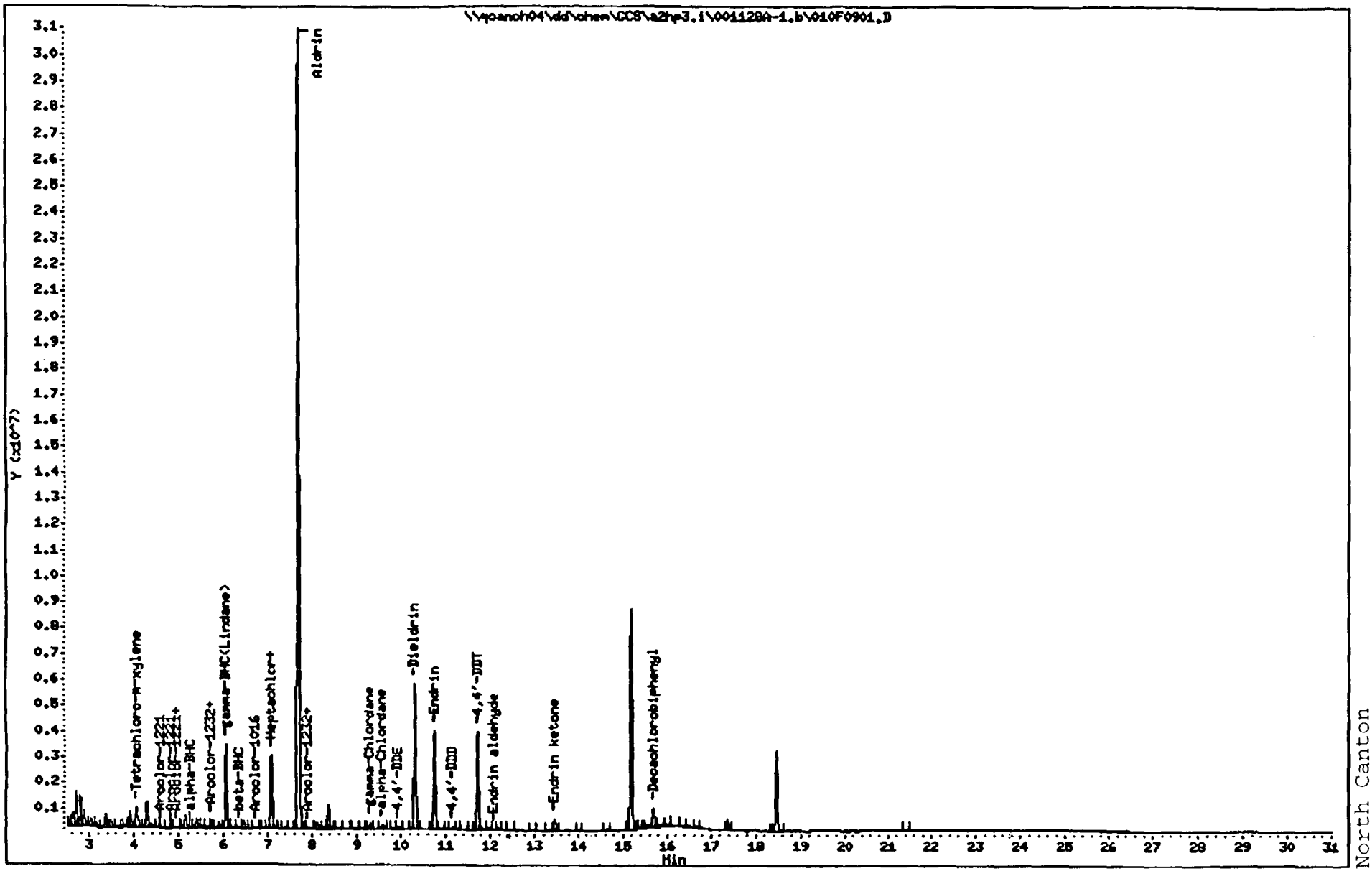
Sample Info: DPDH91AH

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\010F0901.D
Lab Smp Id: DPDH91AH Client Smp ID: SL-81MSD
Inj Date : 28-NOV-2000 19:40
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPDH91AH
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.010	Weigth of sample extracted (g)
M	23.800	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.171	5.170	(0.001)	1645357	0.01165	5.1		(R)
5 Aroclor-1242					CAS #: 53469-21-9		
6.531	6.469	(0.062)	168676	0.07273	32	80.00- 120.00	100.00(a)
7.422	7.429	(-0.007)	29953	0.00713	3.1	161.24- 201.24	17.76
8.456	8.448	(0.008)	76080	0.00941	4.1	328.76- 368.76	45.10
9.701	9.768	(-0.067)	561316	0.20149	88	100.12- 140.12	332.78
10.681	10.670	(0.011)	136094	0.04566	20	108.52- 148.52	80.68
Average of Peak Concentrations =					29		
4 Aroclor-1016					CAS #: 12674-11-2		
6.531	6.468	(0.063)	168676	0.05752	25	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
4 Aroclor-1016 (continued)								
7.422	7.429	(-0.007)	29953	0.00565	2.5	160.84- 200.84	17.76	
8.456	8.441	(0.015)	76080	0.00750	3.3	325.96- 365.96	45.10	
8.751	8.739	(0.012)	94051	0.02183	9.5	126.90- 166.90	55.76	
9.701	9.768	(-0.067)	561316	0.16510	72	95.93- 135.93	332.78	
		Average of Peak Concentrations =			22			
8 gamma-BHC(Lindane)					CAS #: 58-89-9			
7.620	7.619	(0.001)	6794597	0.03384	15			
11 Heptachlor					CAS #: 76-44-8			
8.569	8.569	(0.000)	7095155	0.03967	17			
16 Aroclor-1254					CAS #: 11097-69-1			
10.681	10.660	(0.021)	136094	0.02844	12	80.00- 120.00	100.00	
11.059	11.080	(-0.021)	34510	0.00614	2.7	97.51- 137.51	25.36	
12.044	12.010	(0.034)	176150	0.02418	10	132.22- 172.22	129.43	
12.521	12.490	(0.031)	9550854	1.96243	860	81.70- 121.70	7017.84	
13.606	13.580	(0.026)	8931514	1.03292	450	160.68- 200.68	6562.75	
		Average of Peak Concentrations =			270			
12 Aldrin					CAS #: 309-00-2			
9.241	9.240	(0.001)	75314016	0.45474	200			(R)
14 gamma-Chlordane					CAS #: 5103-74-2			
10.961	10.960	(0.001)	654334	0.00425	1.8			(a)
17 alpha-Chlordane					CAS #: 5103-71-9			
11.278	11.280	(-0.002)	403525	0.00273	1.2			(a)
18 Dieldrin					CAS #: 60-57-1			
11.920	11.920	(0.000)	13875290	0.09139	40			
20 Endrin					CAS #: 72-20-8			
12.521	12.520	(0.001)	9550854	0.07983	35			
26 4,4'-DDT					CAS #: 50-29-3			
13.606	13.610	(-0.004)	8931514	0.07936	35			
28 Endrin ketone					CAS #: 53494-70-5			
15.287	15.290	(-0.003)	1182488	0.00952	4.2			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.921	17.920	(0.001)	1647456	0.01850	8.1			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\010F0901.D

Date : 28-NOV-2000 19:40

Client ID: SL-01HSD

Sample Info: DPIH91AH

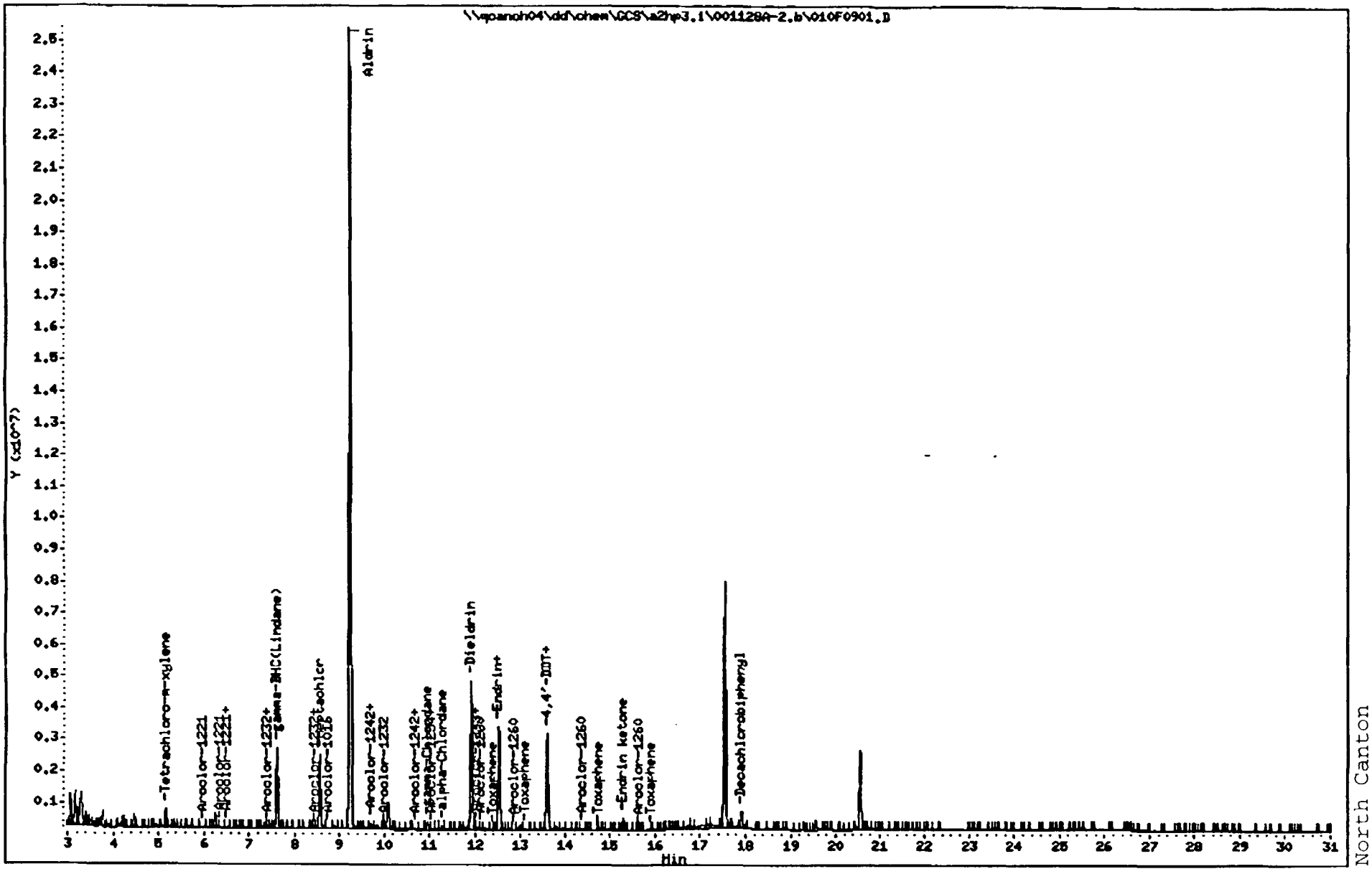
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-82-9.0MS

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJFJ1AC

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 013F1201

% Moisture: 21 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	16	
76-44-8	Heptachlor	17	
309-00-2	Aldrin	19	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	34	
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	33	
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	35	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	3.8	
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\013F1201.D
Lab Smp Id: DPJFJ1AC Client Smp ID: SL-82-9.0MS
Inj Date : 28-NOV-2000 21:32
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AC
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	4178455	0.03522	11		
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.045	6.042	(0.003)	9338988	0.03988	17		
9 Heptachlor					CAS #: 76-44-8		
7.071	7.071	(0.000)	8778556	0.04178	18		
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	8898421	0.04530	19		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
18 4,4'-DDE					CAS #: 72-55-9			
9.937	9.949	(-0.012)	387665	0.00236	0.99			(a)
19 Dieldrin					CAS #: 60-57-1			
10.312	10.310	(0.002)	14861938	0.08283	35			
21 Endrin					CAS #: 72-20-8			
10.745	10.743	(0.002)	10876460	0.08100	34			
25 4,4'-DDT					CAS #: 50-29-3			
11.715	11.720	(-0.005)	10795744	0.08349	35			
26 Endrin aldehyde					CAS #: 7421-93-4			
12.100	12.100	(0.000)	102563	<0.0	0.42			(a)
29 Endrin ketone					CAS #: 53494-70-5			
13.455	13.453	(0.002)	1270606	0.00905	3.8			
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
15.697	15.700	(-0.003)	4302401	0.03706	16			

QC Flag Legend

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

Data File: \\qoanoh04\dd\ohem\CCS\a2hp3.i\001128A-1.b\013F1201.D

Date : 28-NOV-2000 21:32

Client ID: SL-02-9.0MS

Sample Info: DPJFJ1AC

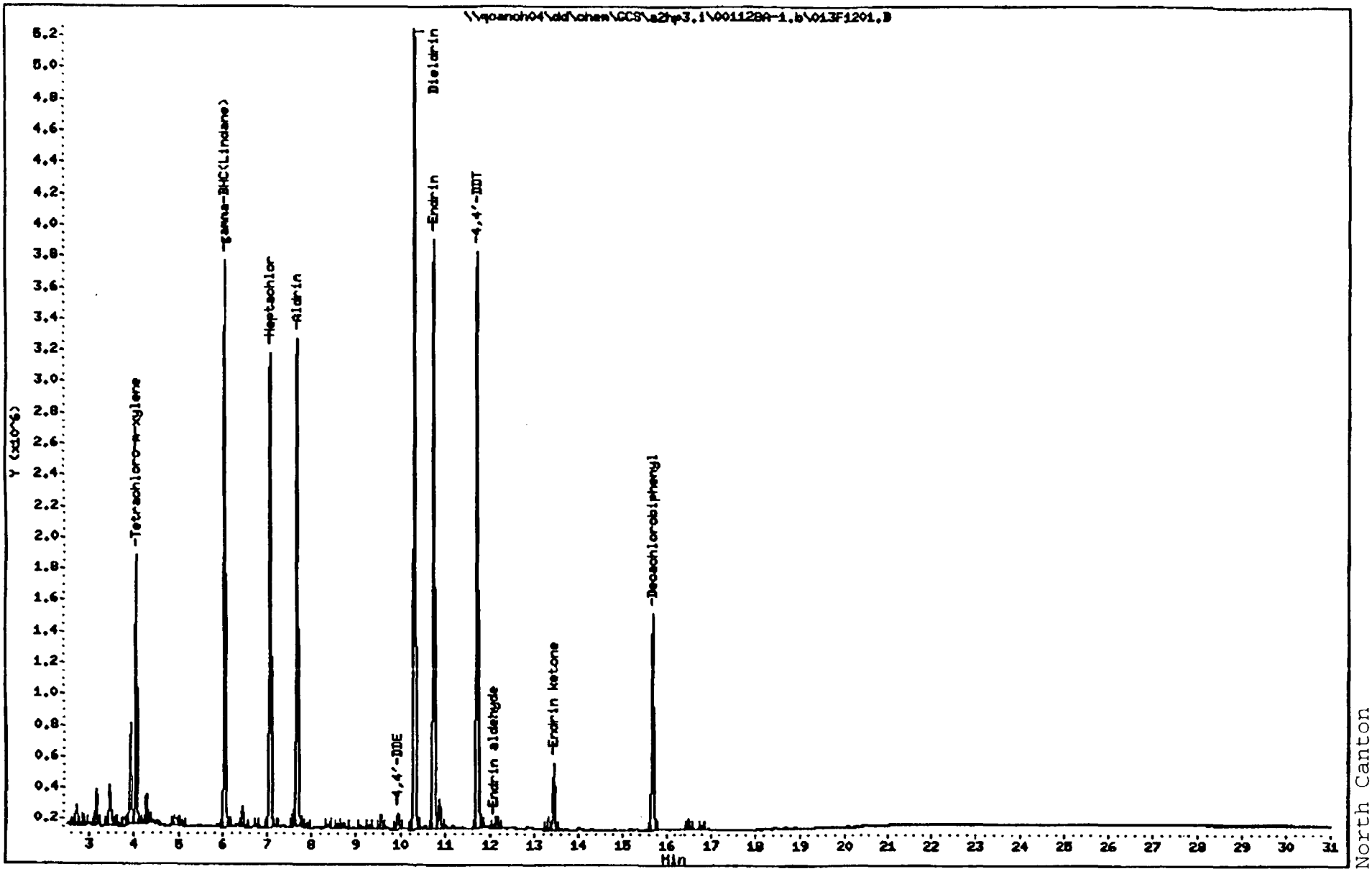
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\013F1201.D
Lab Smp Id: DPJFJ1AC Client Smp ID: SL-82-9.0MS
Inj Date : 28-NOV-2000 21:32
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AC
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.040	Weigth of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.170	5.170	(0.000)	3549289	0.02512	10		
8 gamma-BHC(Lindane)						CAS #: 58-89-9	
7.619	7.619	(0.000)	7730417	0.03850	16		
11 Heptachlor						CAS #: 76-44-8	
8.568	8.569	(-0.001)	7362393	0.04117	17		
12 Aldrin						CAS #: 309-00-2	
9.240	9.240	(0.000)	7356864	0.04442	19		

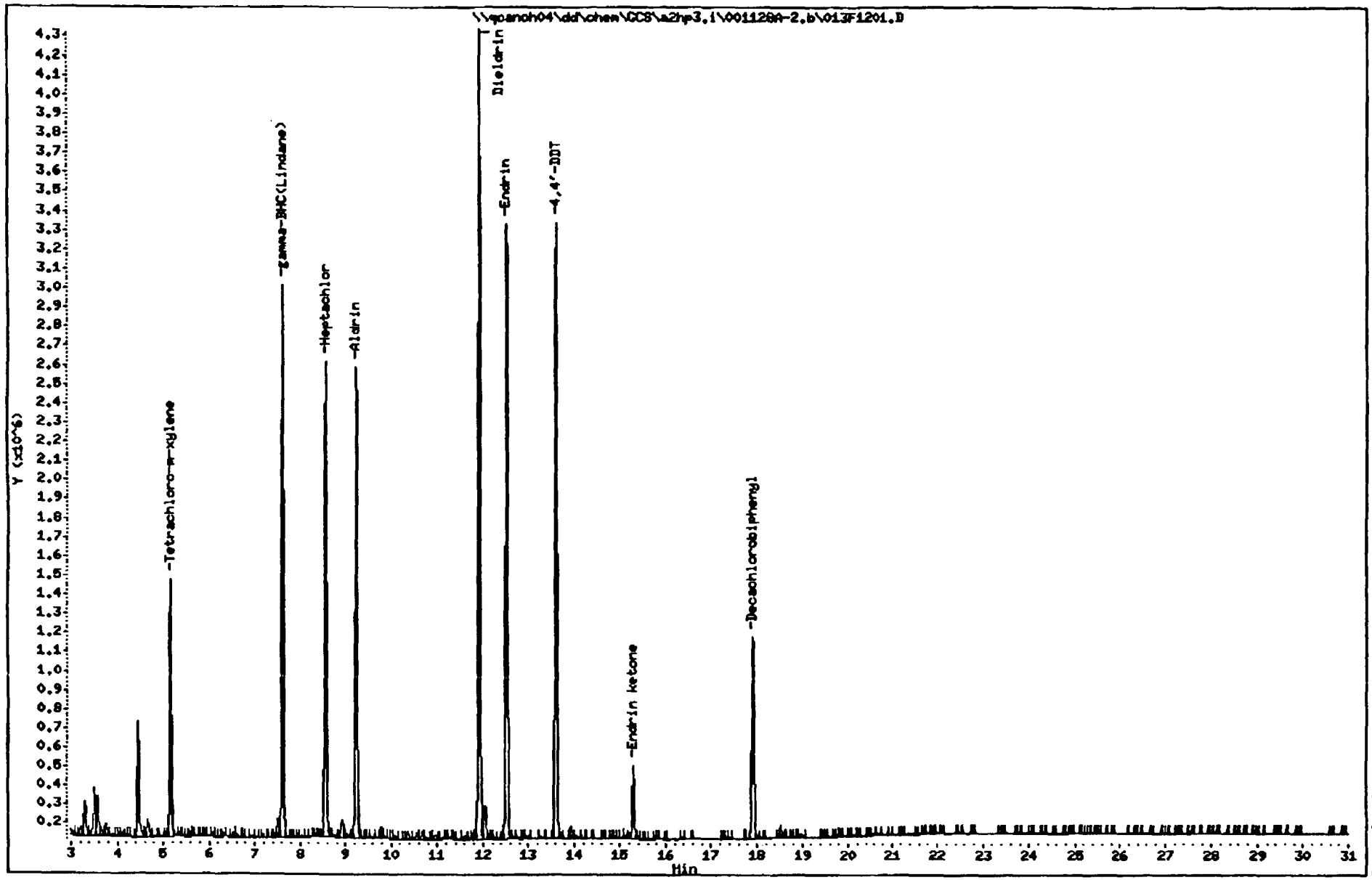
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
18 Dieldrin					CAS #: 60-57-1			
11.920	11.920	(0.000)	12446420	0.08198	34			
20 Endrin					CAS #: 72-20-8			
12.521	12.520	(0.001)	9491510	0.07934	33			
26 4,4'-DDT					CAS #: 50-29-3			
13.606	13.610	(-0.004)	9382032	0.08336	35			
28 Endrin ketone					CAS #: 53494-70-5			
15.287	15.290	(-0.003)	1204634	0.00970	4.1			(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3			
17.921	17.920	(0.001)	3271201	0.03673	15			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\013F1201.D
Date : 28-NOV-2000 21:32
Client ID: SL-82-9.OHS
Sample Info: DPJFJ1AC
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001754
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-82-9.0MSD

Lab Name: STL-NORTH CANTON Contract:

Lab Code: Case No.: SAS No.: SDG No.: 0K04153

Matrix: (soil/water) SOIL Lab Sample ID: DPJFJ1AD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 014F1301

% Moisture: 21 decanted: (Y/N) N Date Received: 11/08/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:11/09/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 11/28/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC(Lindane)	15	
76-44-8	Heptachlor	16	
309-00-2	Aldrin	23	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	33	
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	31	
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	32	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	3.4	
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-1.b\014F1301.D
Lab Smp Id: DPJFJ1AD Client Smp ID: SL-82-9.0MSD
Inj Date : 28-NOV-2000 22:09
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AD
Misc Info :
Comment :
Method : \\QCANOH04\DD\chem\GCS\a2hp3.i\001128A-1.b\CLP30A.m
Meth Date : 04-Dec-2000 12:56 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.045	4.042	(0.003)	3686041	0.02225	9.4		
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.044	6.042	(0.002)	8499300	0.03630	15		
9 Heptachlor					CAS #: 76-44-8		
7.072	7.071	(0.001)	8030712	0.03823	16		
10 Aldrin					CAS #: 309-00-2		
7.680	7.679	(0.001)	10800614	0.05499	23		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
12 beta-BHC						CAS #: 319-85-7		
6.309	6.319	(-0.010)	201703	0.00215	0.90			(a)
18 4,4'-DDE						CAS #: 72-55-9		
9.942	9.949	(-0.007)	378106	0.00231	0.97			(a)
19 Dieldrin						CAS #: 60-57-1		
10.313	10.310	(0.003)	14137857	0.07880	33			
21 Endrin						CAS #: 72-20-8		
10.745	10.743	(0.002)	9985223	0.07436	31			
24 4,4'-DDD						CAS #: 72-54-8		
11.163	11.166	(-0.003)	190554	0.00151	0.63			(a)
25 4,4'-DDT						CAS #: 50-29-3		
11.715	11.720	(-0.005)	9886438	0.07645	32			
26 Endrin aldehyde						CAS #: 7421-93-4		
12.094	12.100	(-0.006)	124968	0.00120	0.51			(a)
29 Endrin ketone						CAS #: 53494-70-5		
13.455	13.453	(0.002)	1143682	0.00814	3.4			
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
15.696	15.700	(-0.004)	3851745	0.03318	14			

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\CCS\a2hp3.i\001128A-1.b\014F1301.D

Date : 28-NOV-2000 22:09

Client ID: SL-82-9.0MSD

Sample Info: DPJFJ1AD

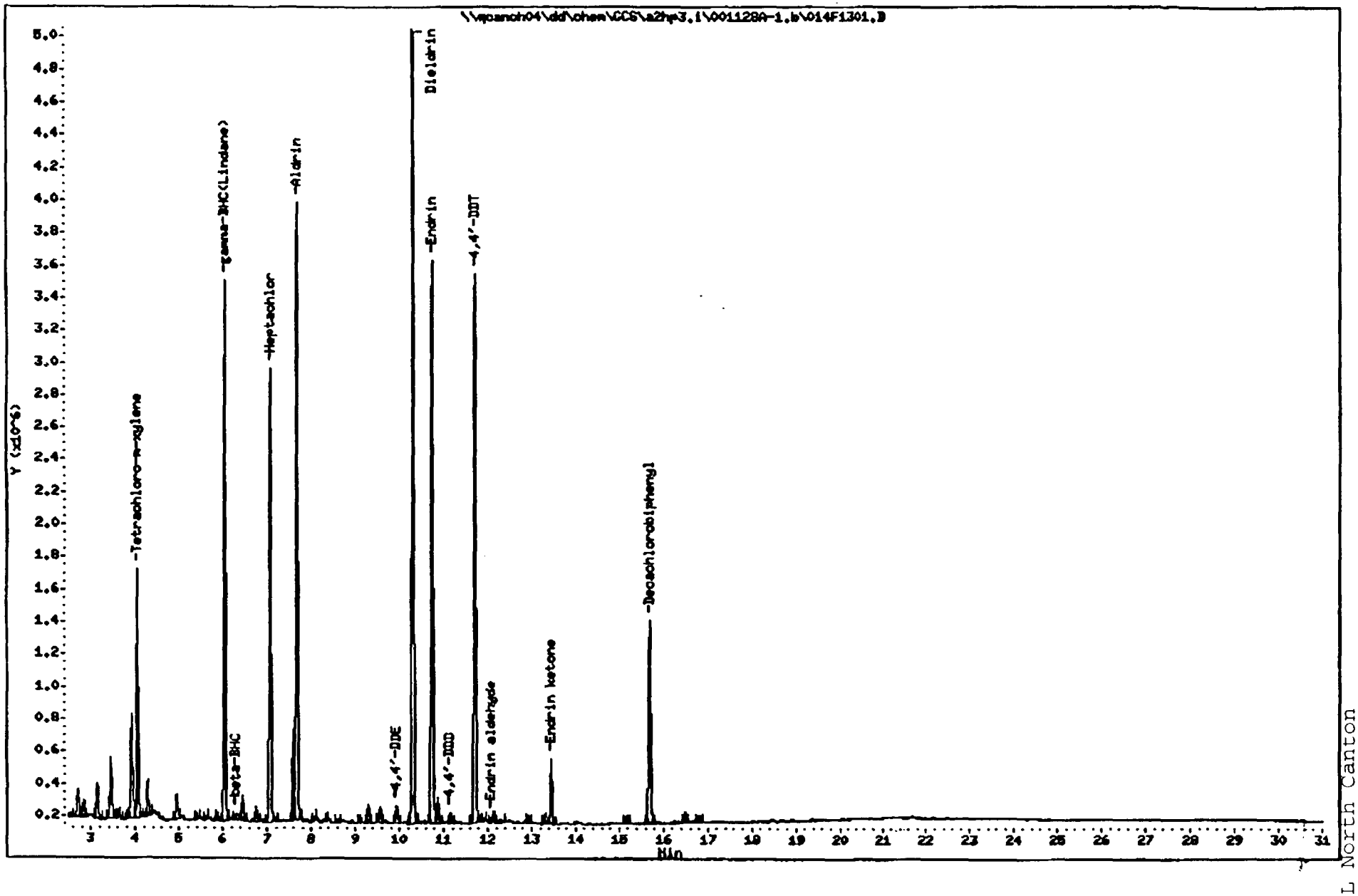
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



STL - North Canton

Data file : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\014F1301.D
Lab Smp Id: DPJFJ1AD Client Smp ID: SL-82-9.0MSD
Inj Date : 28-NOV-2000 22:09
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DPJFJ1AD
Misc Info :
Comment :
Method : \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\CLP30b.m
Meth Date : 04-Dec-2000 13:17 dempsters Quant Type: ESTD
Cal Date : 28-NOV-2000 00:23 Cal File: 018F1801.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: SOIL
Processing Host: CANPGCSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weigth of sample extracted (g)
M	20.700	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.171	5.170	(0.001)	3246555	0.02298	9.6		
8 gamma-BHC(Lindane)						CAS #: 58-89-9	
7.620	7.619	(0.001)	7056664	0.03514	15		
11 Heptachlor						CAS #: 76-44-8	
8.569	8.569	(0.000)	6961100	0.03892	16		
12 Aldrin						CAS #: 309-00-2	
9.241	9.240	(0.001)	9005210	0.05437	23		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
18 Dieldrin						CAS #: 60-57-1		
11.919	11.920	(-0.001)	12000316	0.07904	33			
20 Endrin						CAS #: 72-20-8		
12.522	12.520	(0.002)	8873718	0.07417	31			
26 4,4'-DDT						CAS #: 50-29-3		
13.607	13.610	(-0.003)	8865061	0.07877	33			
28 Endrin ketone						CAS #: 53494-70-5		
15.287	15.290	(-0.003)	1136948	0.00915	3.8			(a)
$ 30 Decachlorobiphenyl						CAS #: 2051-24-3		
17.920	17.920	(0.000)	3002063	0.03371	14			

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\GCS\a2hp3.i\001128A-2.b\014F1301.D

Page 3

Date : 28-NOV-2000 22:09

Client ID: SL-82-9.0HSD

Instrument: a2hp3.i

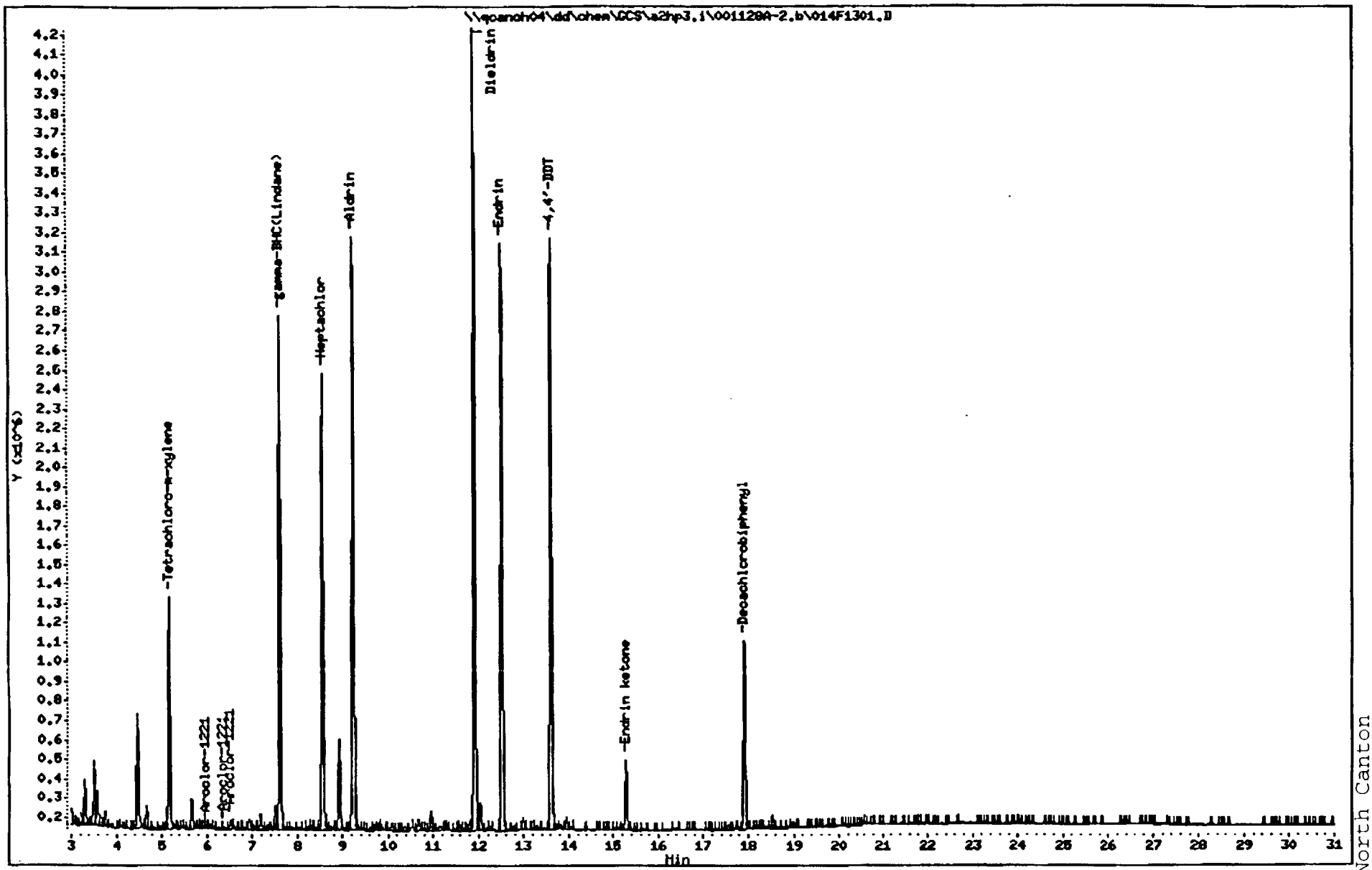
Sample Info: DPJFJ1AD

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1080

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MISCELLANEOUS DATA

Sequence: C:\HPCHEM\3\SEQUENCE\001128A.S

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	pi	CLP30A	1	Sample	11-28-00	
2	2	C622,,PIBLK	CLP30A	1	Sample		
3	3	C659,,PEM3	CLP30A	1	Sample		
4	4	C659,,PEM	CLP30A	1	Sample		
5	5	dpbt71aa	CLP30A	1	Sample		
6	6	DPDH31AA,5	CLP30A	1	Sample		
7	7	DPDH91AA,10 RR 1:20	CLP30A	1	Sample		
8	8	DPDH91AA	CLP30A	1	Sample		
9	9	DPDH91AG	CLP30A	1	Sample		
10	10	DPDH91AH	CLP30A	1	Sample		
11	11	DPKDE1AA	CLP30A	1	Sample		
12	12	DPJFJ1AA	CLP30A	1	Sample		
13	13	DPJFJ1AC	CLP30A	1	Sample		
14	14	DPJFJ1AD	CLP30A	1	Sample		
15	15	DPJF31AA	CLP30A	1	Sample		
16	16	DPJF51AA,100 DL	CLP30A	1	Sample		
17	17	DPJF51AA,10	CLP30A	1	Sample	11-29-00	
18	18	PI	CLP30A	1	Sample		
19	19	C622,,PIBLK3	CLP30A	1	Sample		
20	20	C656,,INDAM2,	CLP30A	1	Sample		
21	21	C657,,INDBM2	CLP30A	1	Sample		
22	22	AM	CLP30A	1	Sample		
23	23	BM	CLP30A	1	Sample		
24	24	PCBCK 11-27	CLP30A	1	Sample		
25	25	PESTCK 11-27 fail	CLP30A	1	Sample		
26	26	PESTCK 11-10 RR	CLP30A	1	Sample		
27	27	PCBCK 11-14	CLP30A	1	Sample		
28	28	PI	CLP30A	1	Sample		
29	29	C622,,PIBLK4	CLP30A	1	Sample		
30	30	C659,,PEM4	CLP30A	1	Sample		
31	31	PEM	CLP30A	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence: C:\HPCHEM\3\SEQUENCE\001129A.S

Sequence Parameters:

Operator:	001754
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\3\DATA\
Data Subdirectory:	001129A
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

P3

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	PI	CLP30A	1	Sample		
2	2	~~DPDH91AA,20~~ DL	CLP30A	1	Sample		
3	3	PESTCK 11-10	CLP30A	1	Sample		
4	4	~~C622,,PIBLK5~~	CLP30A	1	Sample		
5	5	C656,,INDAM3, pass	CLP30A	1	Sample		
6	6	C657,,INDBM3,	CLP30A	1	Sample		
7	7	AM	CLP30A	1	Sample		
8	8	BM pass	CLP30A	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

QUANTERRA® ENVIRONMENTAL SERVICES

Sample Control Record

Client: 64186 Case Number/SDG: OK04153 Storage Location: P/P Refrig

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DPH171AA	[illegible]	11-28-00		✓	Prep for analysis	11-28-00
2. DPDH31AA						
3. DPDH91AA						
4. DPDH91AG						
5. DPDH91AH						
6. DPKDE1AA						
7. DPJFJ1AA						
8. DPJFJ1AC						
9. DPJFJ1AD						
10. DPJF31AA						
11. DPJFS1AA						
12. DPJF-S1						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

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