Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90,sub

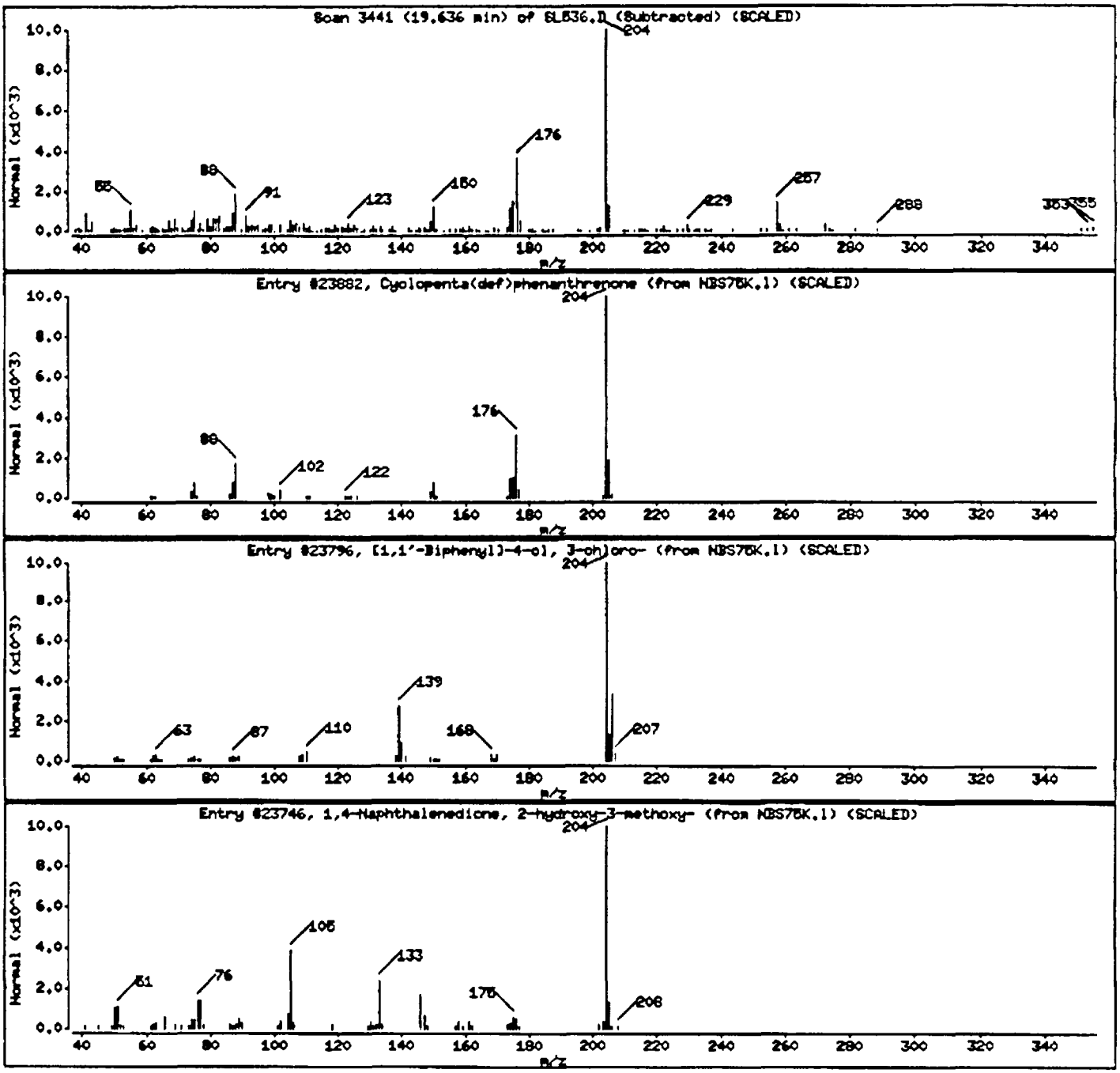
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopenta(def)phenanthrenone	5737-13-3	NBS75K.l	23882	91	C15H8O	204
[1,1'-Biphenyl]-4-ol, 3-chloro-	92-04-6	NBS75K.l	23796	43	C12H9ClO	204
1,4-Naphthalenedione, 2-hydroxy-3-methox	5257-83-0	NBS75K.l	23746	43	C11H8O4	204



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90,sub

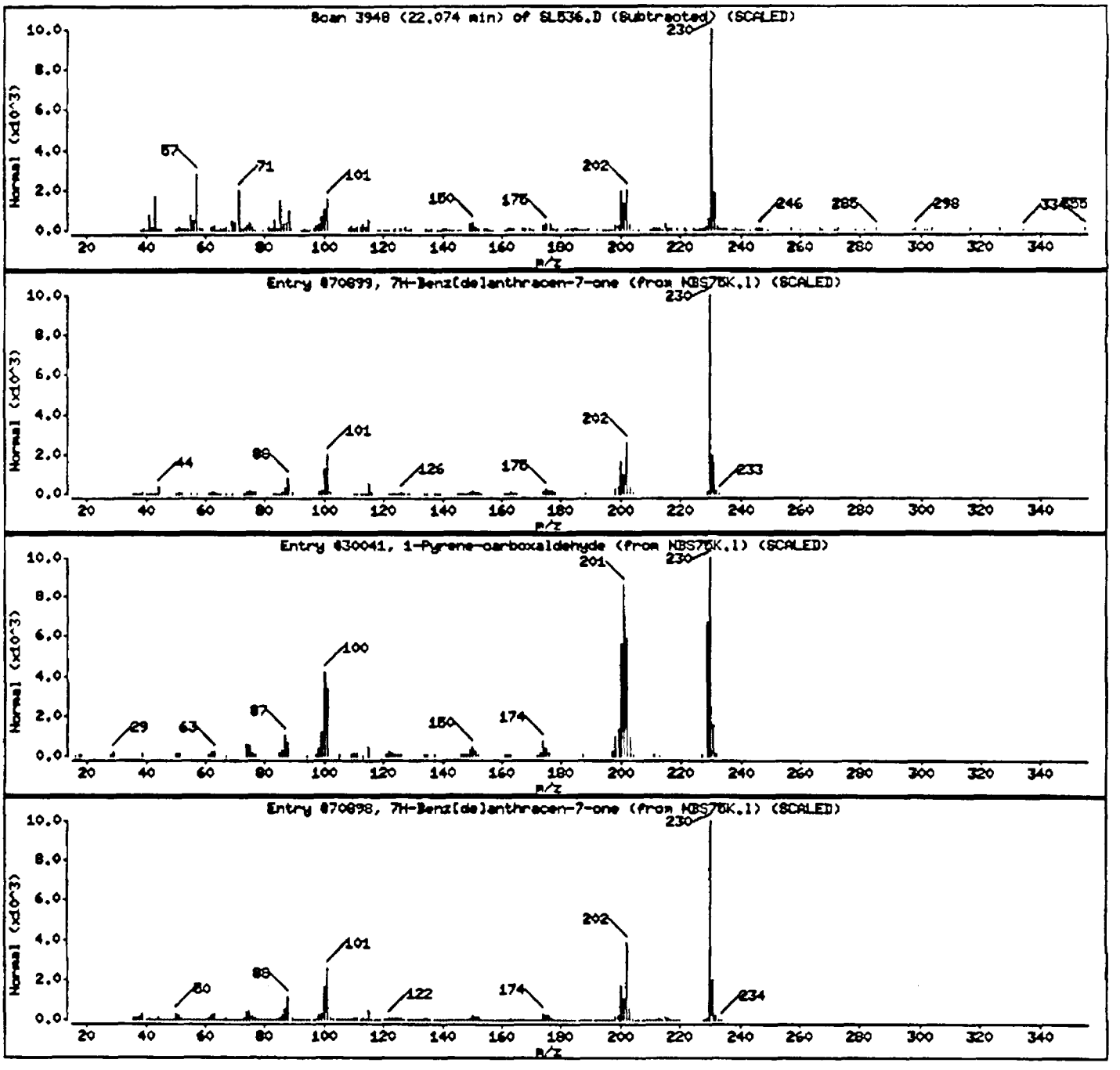
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
7H-Benz[de]anthracen-7-one	82-05-3	NBS75K.l	70899	76	C17H10O	230
1-Pyrene-carboxaldehyde	3029-19-4	NBS75K.l	30041	68	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NBS75K.l	70898	62	C17H10O	230



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,i-olp90,sub

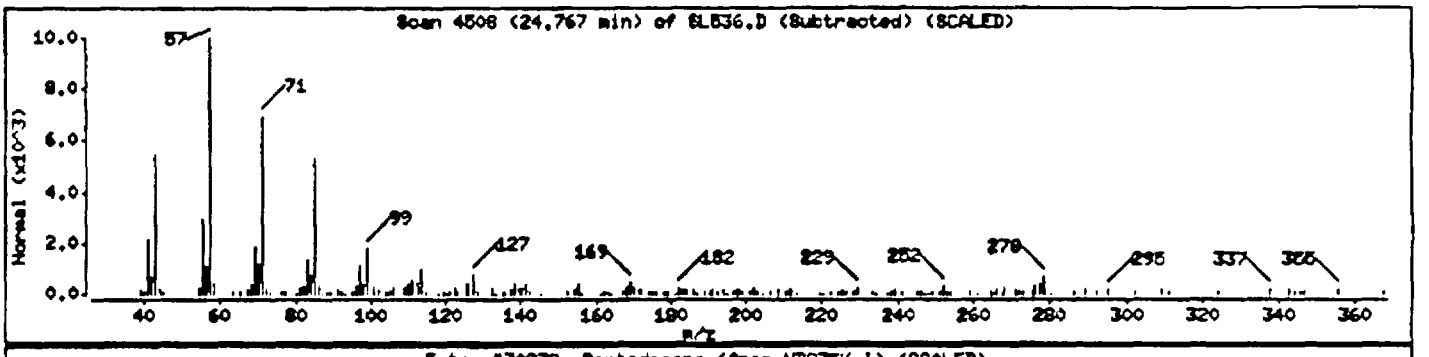
Volume Injected (uL): 2.0

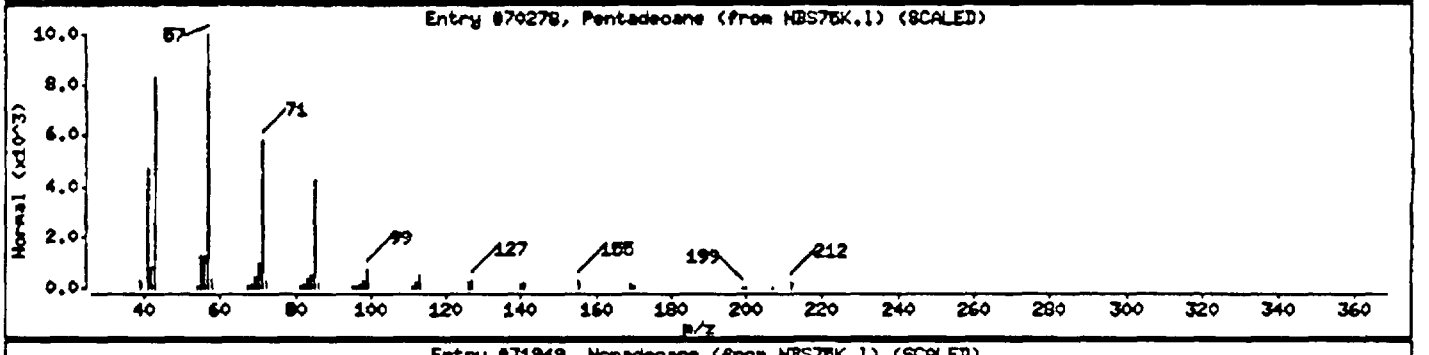
Operator: 001574

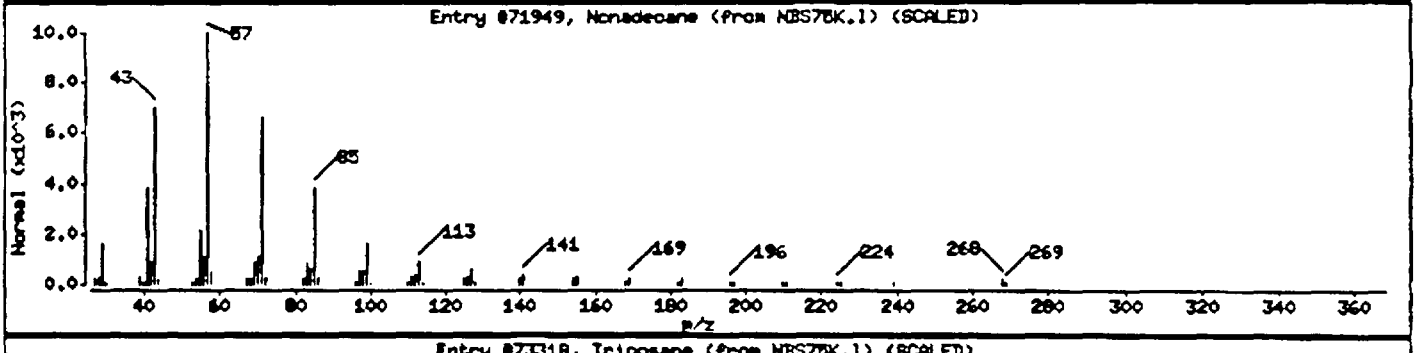
Column phase:

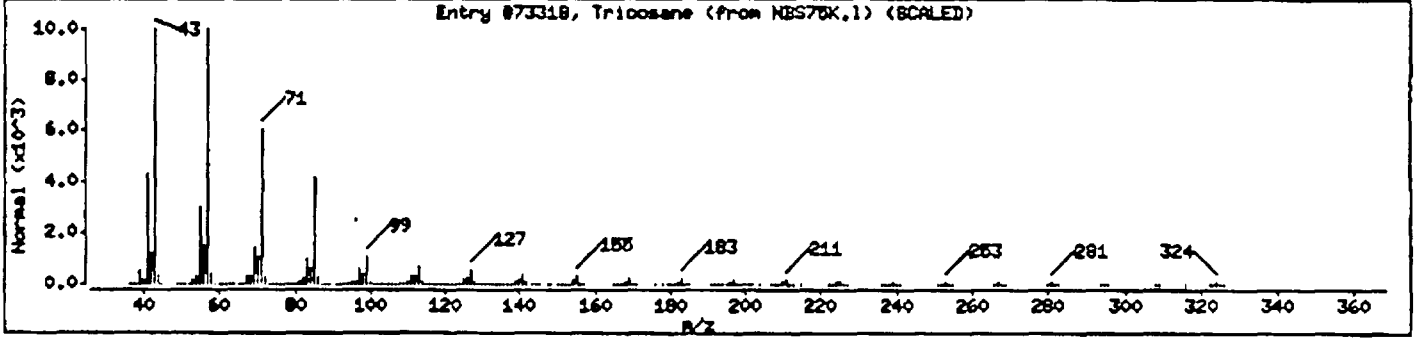
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70278	94	C15H32	212
Nonadecane	629-92-5	NBS75K.l	71949	93	C19H40	268
Tricosane	638-67-5	NBS75K.l	73318	93	C23H48	324









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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90.sub

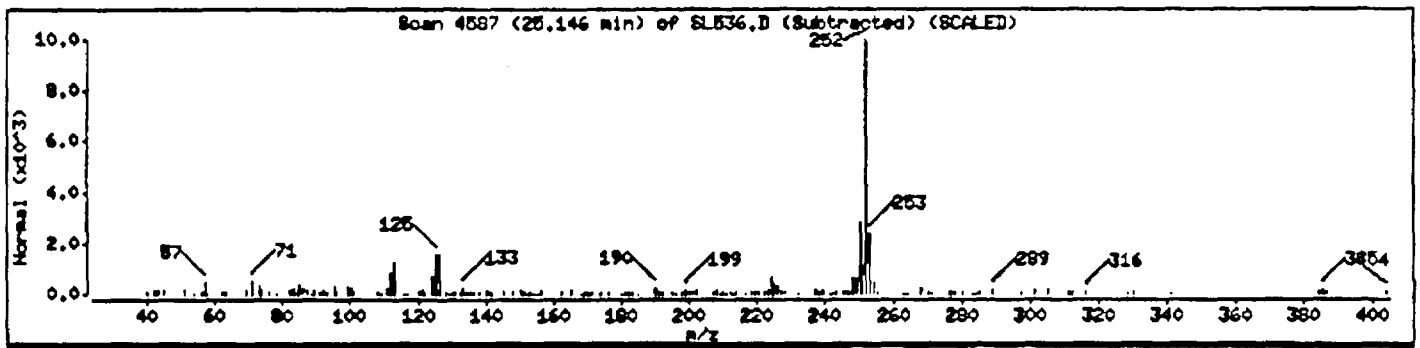
Volume Injected (uL): 2.0

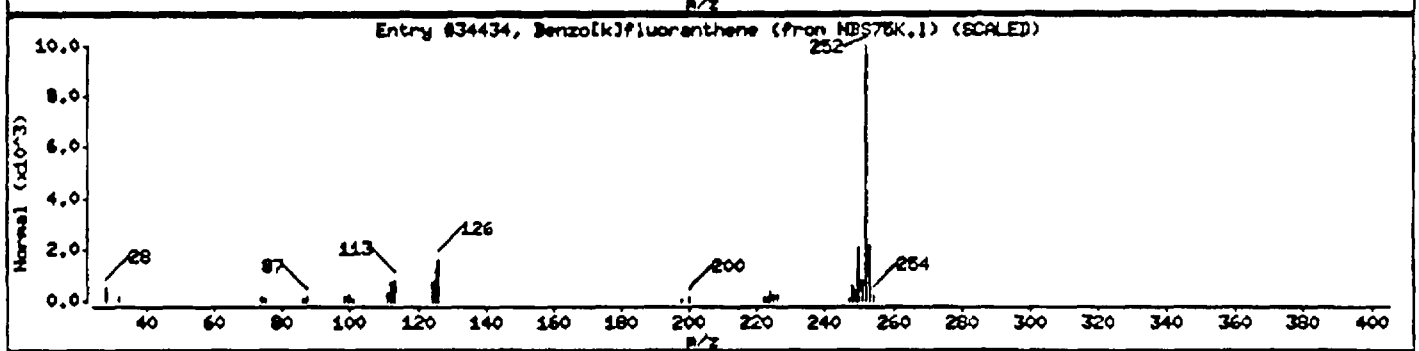
Operator: 001574

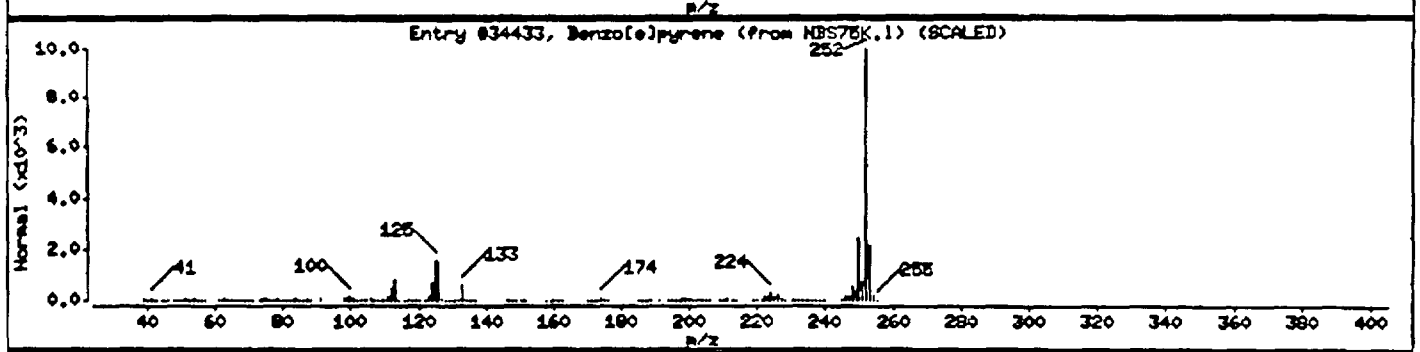
Column phase:

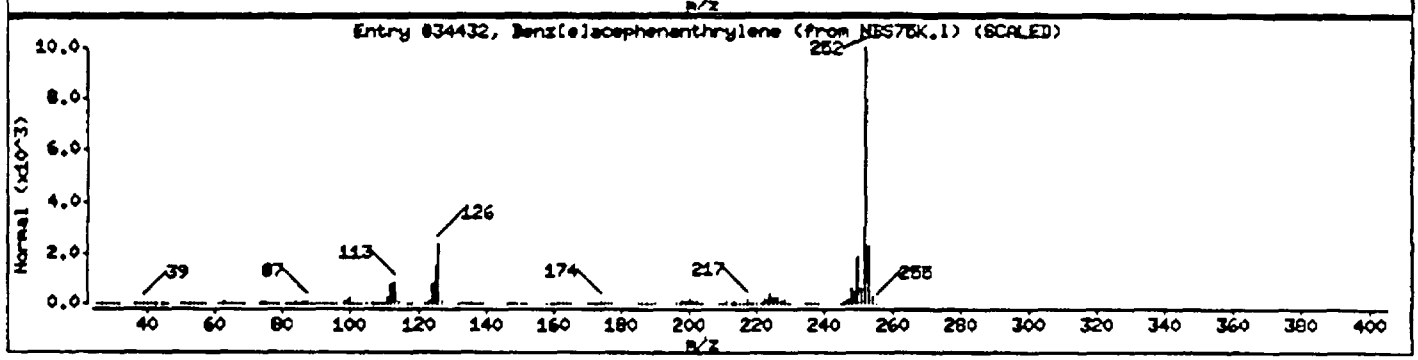
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[k]fluoranthene	207-08-9	NBS75K.1	34434	96	C20H12	252
Benzo[e]pyrene	192-97-2	NBS75K.1	34433	91	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NBS75K.1	34432	90	C20H12	252









Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90,sub

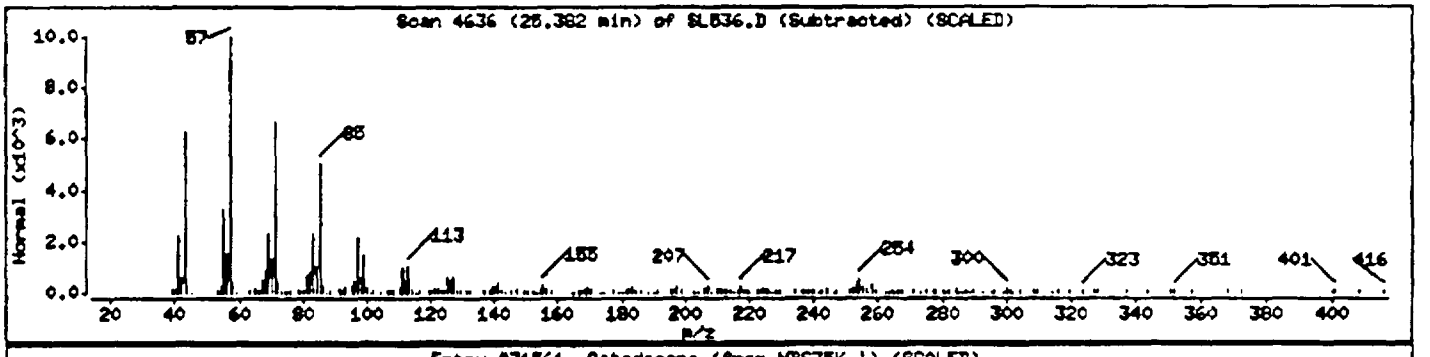
Volume Injected (uL): 2.0

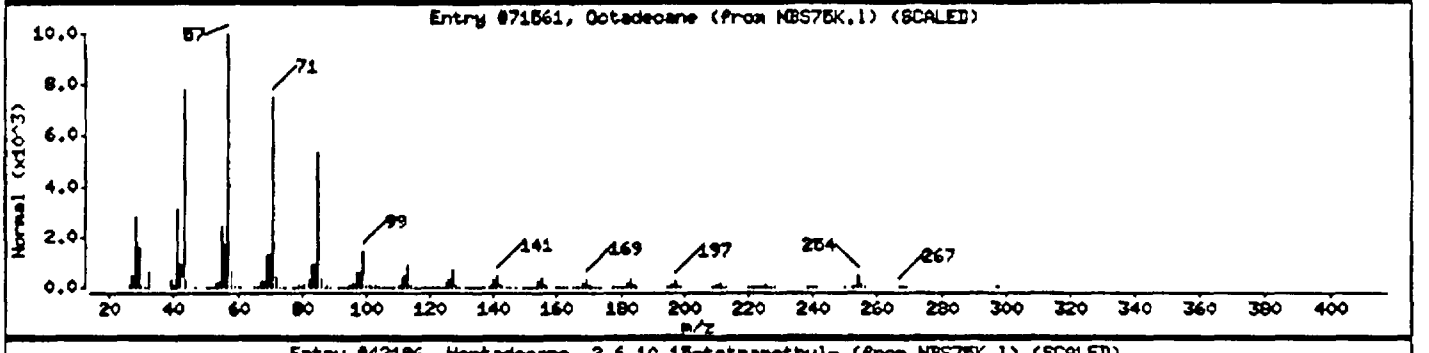
Operator: 001574

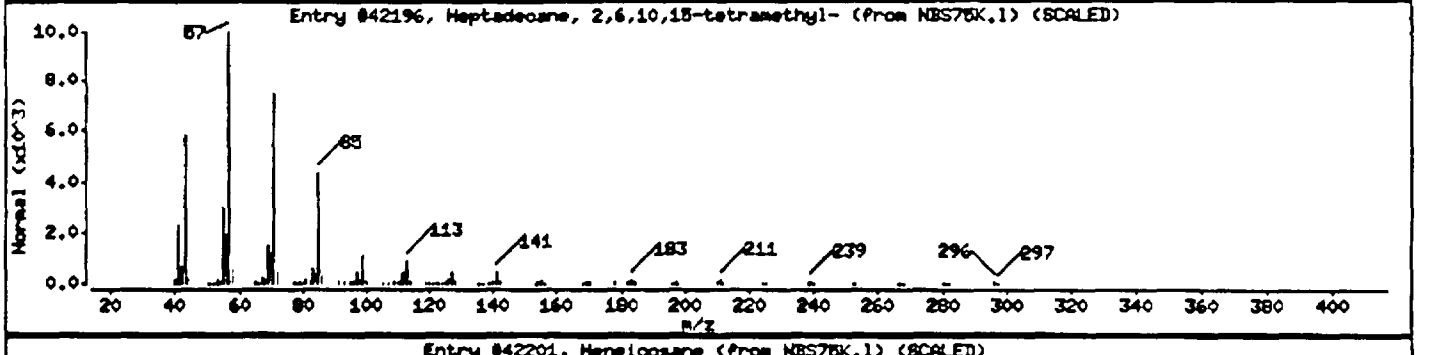
Column phase:

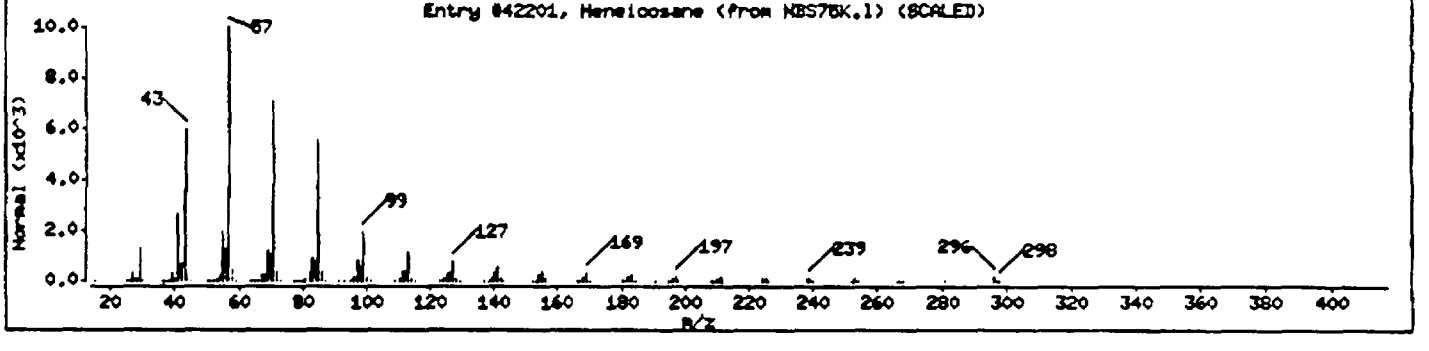
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	98	C18H38	254
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NBS75K.l	42196	96	C21H44	296
Heneicosane	629-94-7	NBS75K.l	42201	95	C21H44	296









Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90.sub

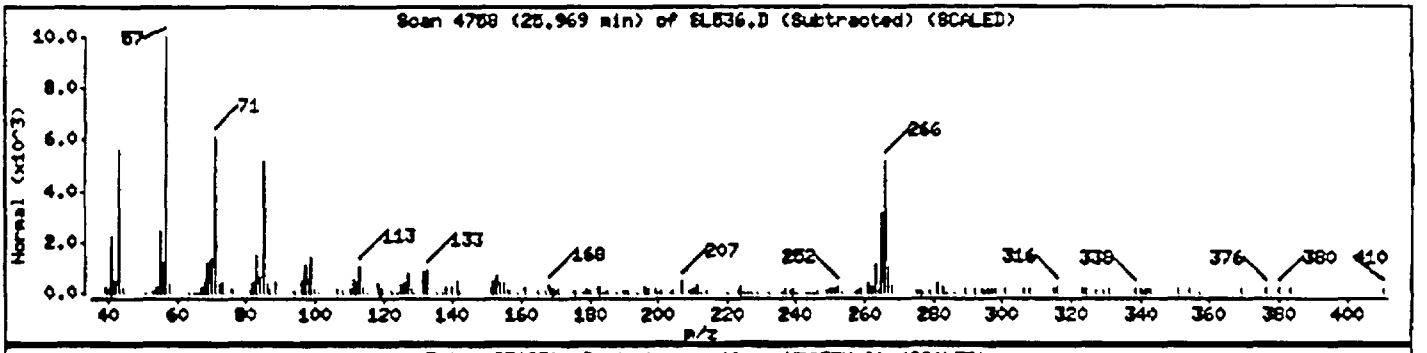
Volume Injected (uL): 2.0

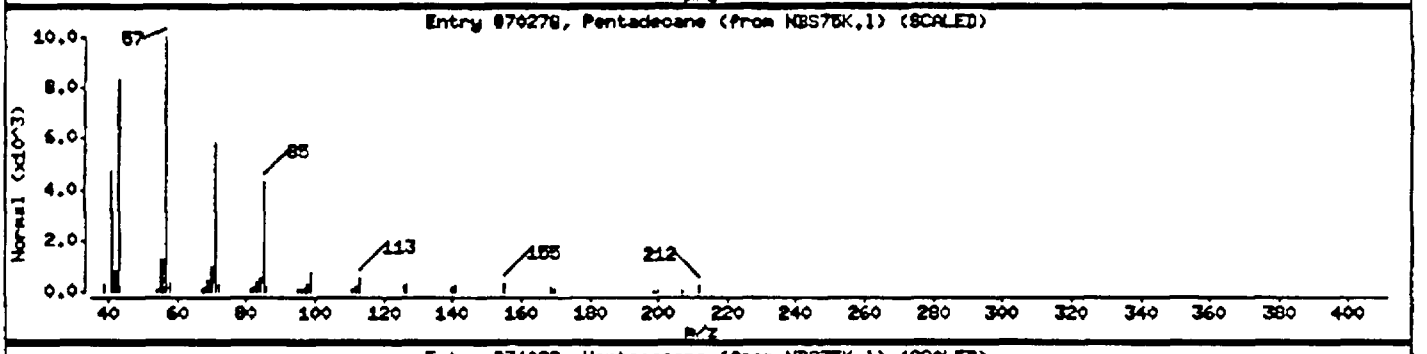
Operator: 001574

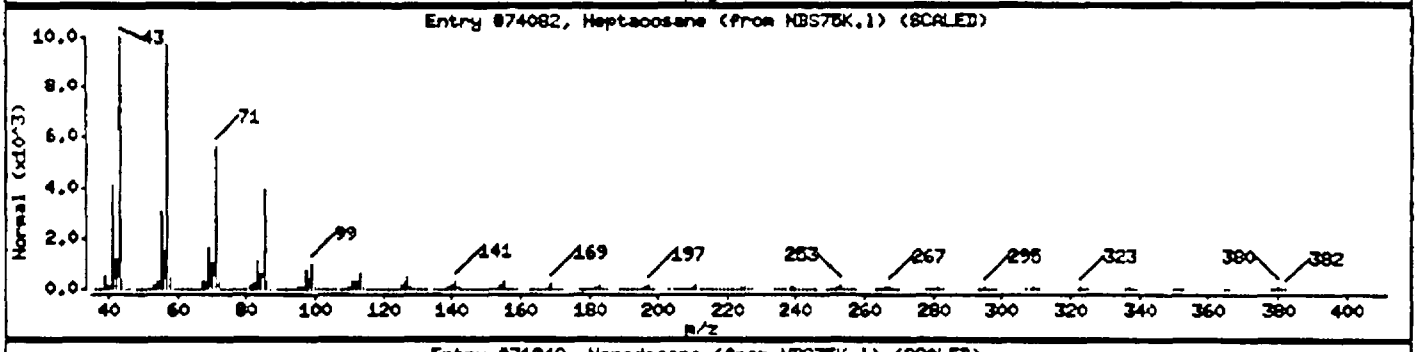
Column phase:

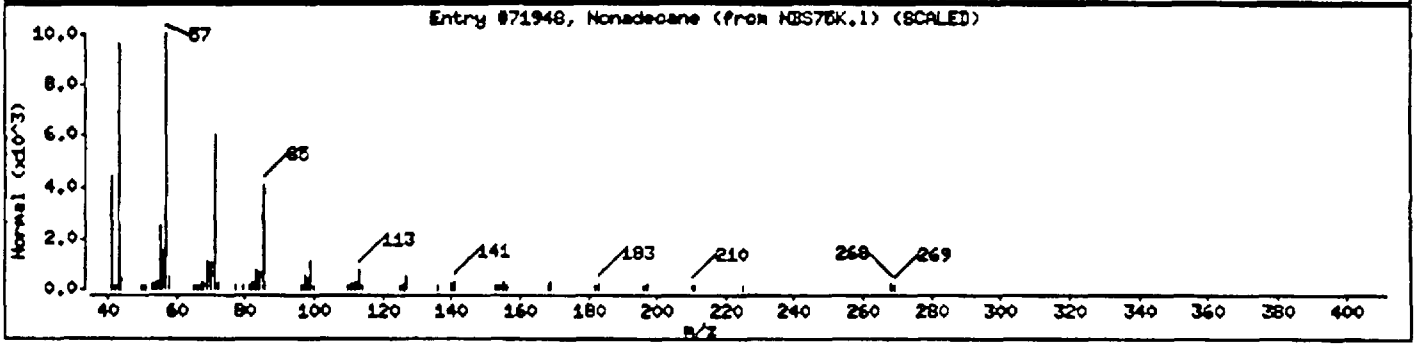
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70278	87	C15H32	212
Heptacosane	593-49-7	NBS75K.l	74082	86	C27H56	380
Nonadecane	629-92-5	NBS75K.l	71948	84	C19H40	268









Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,i-olp90.sub

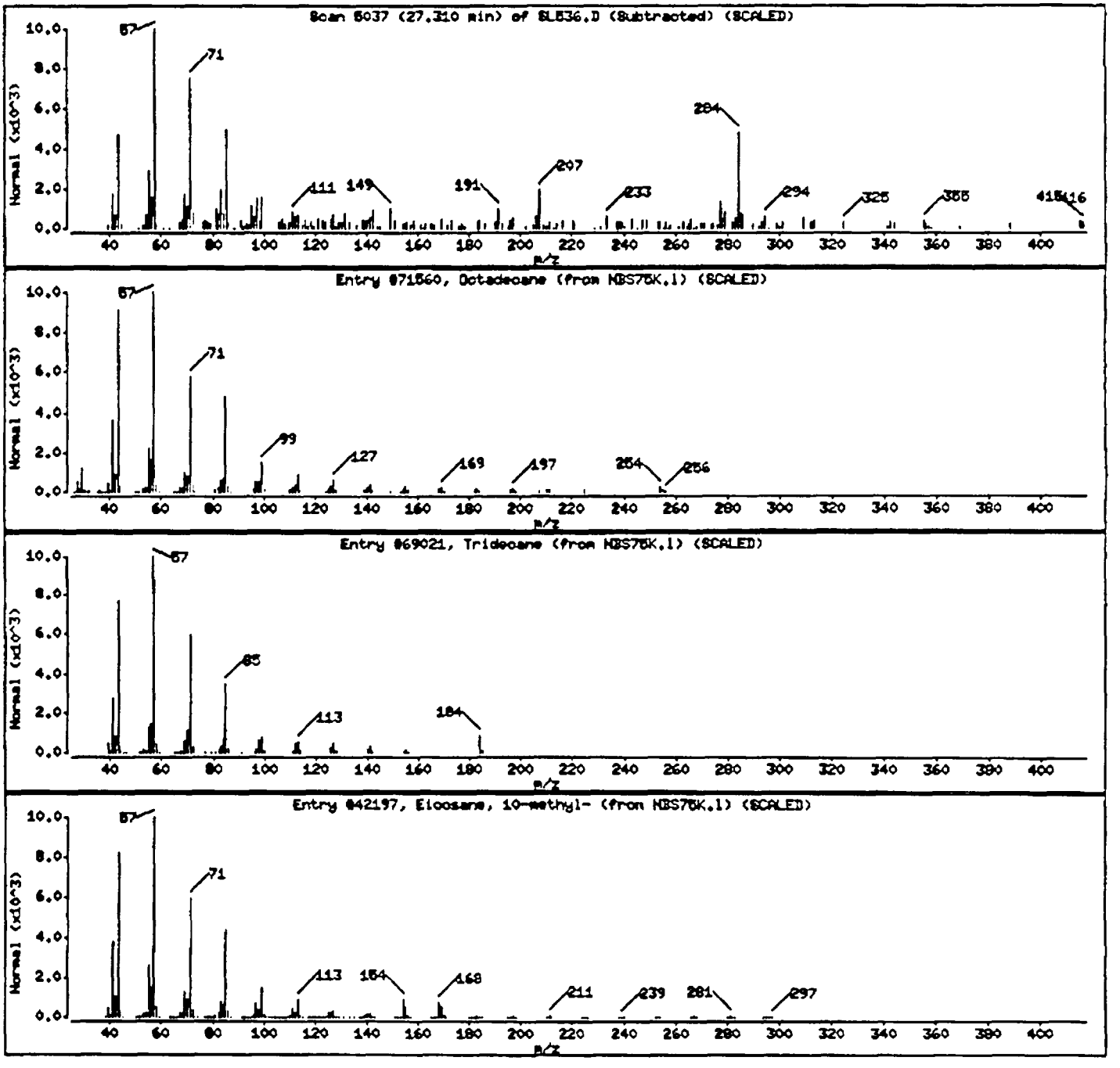
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71560	70	C18H38	254
Tridecane	629-50-5	NBS75K.l	69021	70	C13H28	184
Eicosane, 10-methyl-	54833-23-7	NBS75K.l	42197	70	C21H44	296



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,clp31,1-clp90.sub

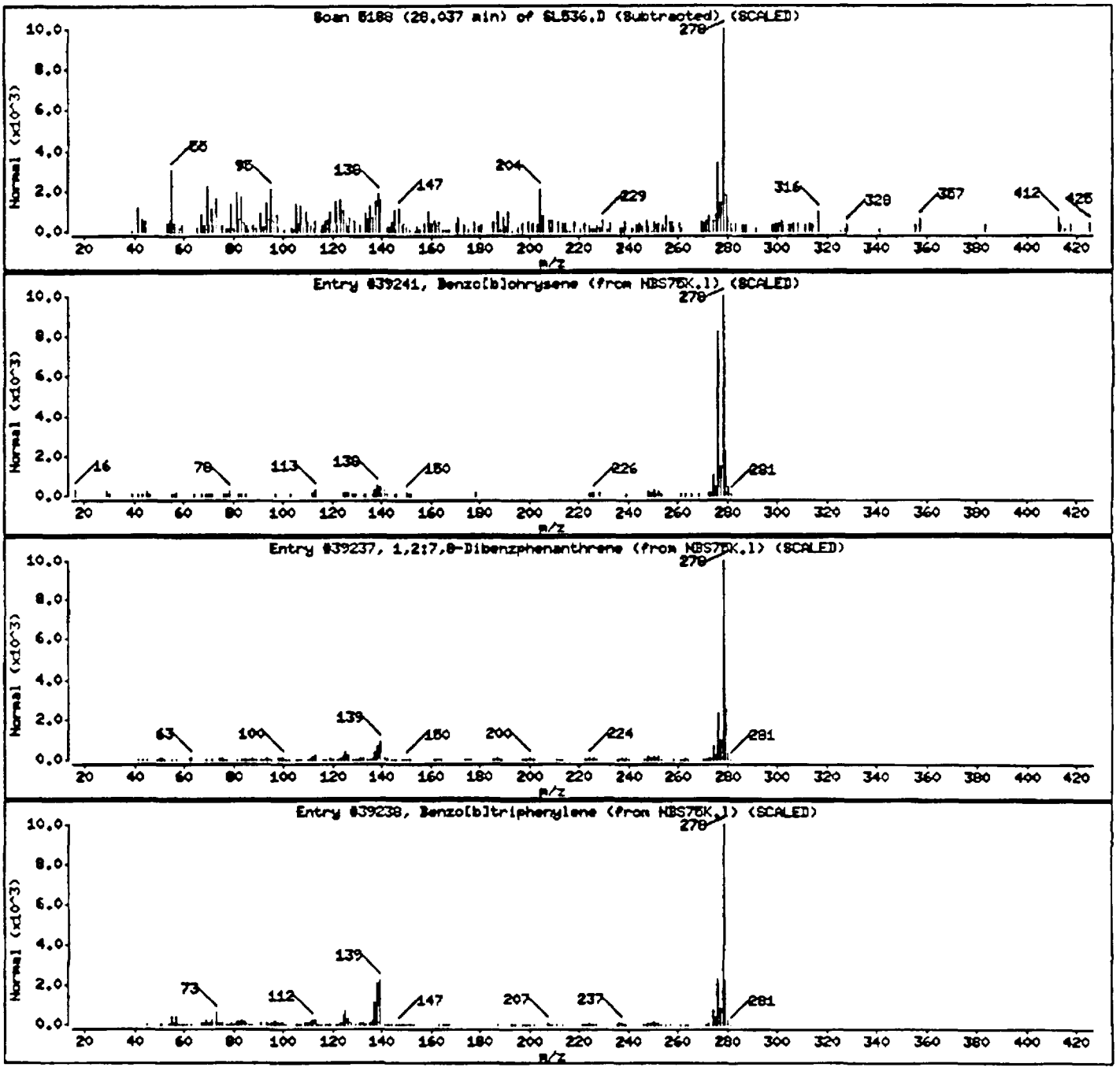
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[b]chrysene	214-17-5	NBS75K.l	39241	55	C22H14	278
1,2:7,8-Dibenzphenanthrene	0-00-0	NBS75K.l	39237	46	C22H14	278
Benzo[b]triphenylene	215-58-7	NBS75K.l	39238	45	C22H14	278



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrmq10u,00929a.b,olp31,1-olp90.sub

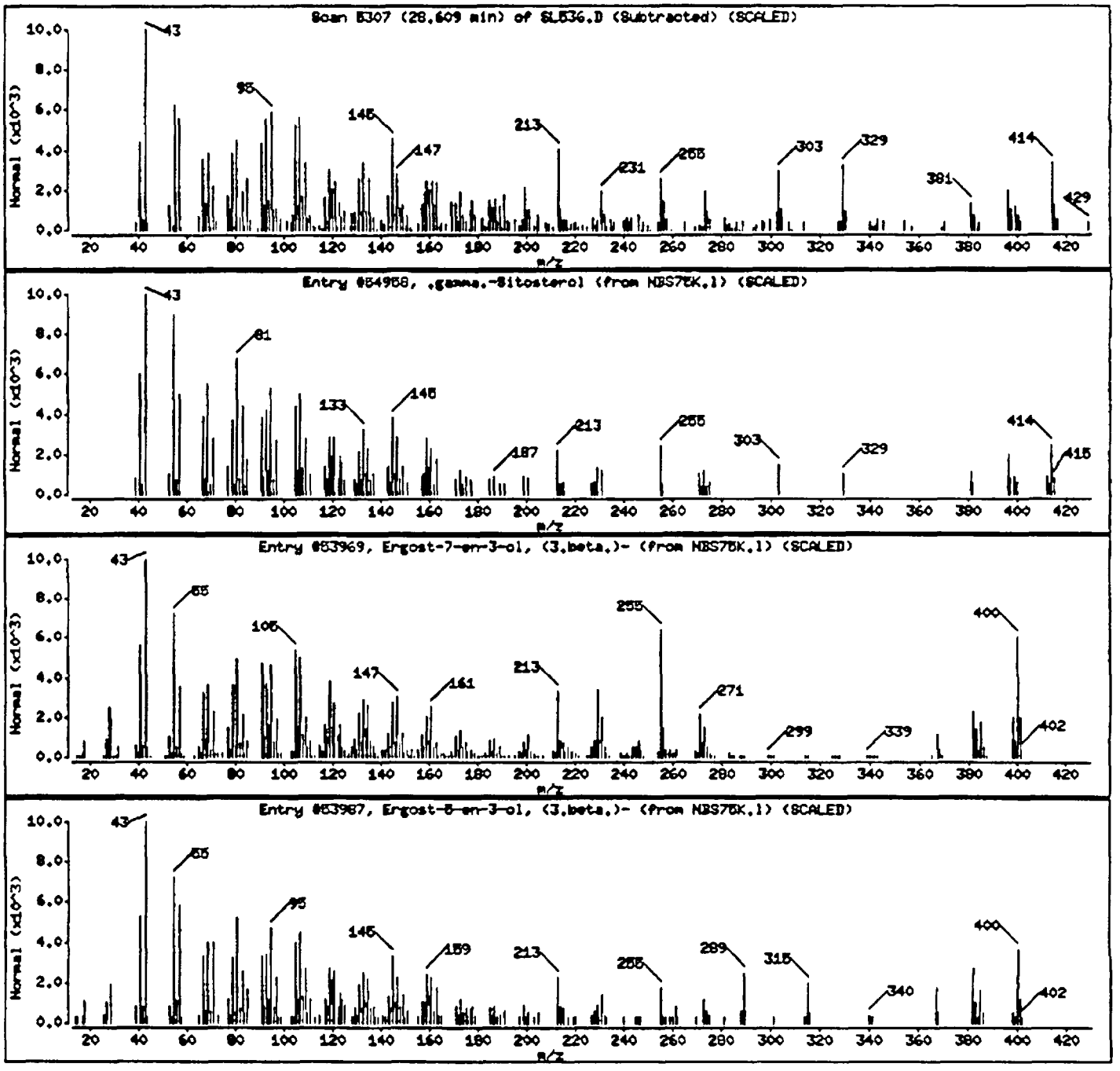
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54958	94	C29H500	414
Ergost-7-en-3-ol, (3.beta.)-	26047-31-4	NBS75K.l	53969	49	C28H480	400
Ergost-5-en-3-ol, (3.beta.)-	4651-81-8	NBS75K.l	53987	46	C28H480	400



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl) ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitrosodi-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethyl phthalate	480	U
7005-72-3	4-Chlorophenyl phenyl ether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine	480	U
101-55-3	4-Bromophenyl phenyl ether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	**Phenanthrene**	**220**	**J**
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butyl phthalate	480	U
206-44-0	**Fluoranthene**	**710**	
129-00-0	**Pyrene**	**350**	**J**
85-68-7	Butyl benzyl phthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	**Benzo(a)anthracene**	**410**	**J**
218-01-9	**Chrysene**	**420**	**J**

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	70	J
117-84-0	Di-n-octyl phthalate	480	U
205-99-2	Benzo(b)fluoranthene	440	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	54	J
193-39-5	Indeno(1,2,3-cd)pyrene	49	J
53-70-3	Dibenz(a,h)anthracene	480	U
191-24-2	Benzo(ghi)perylene	480	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

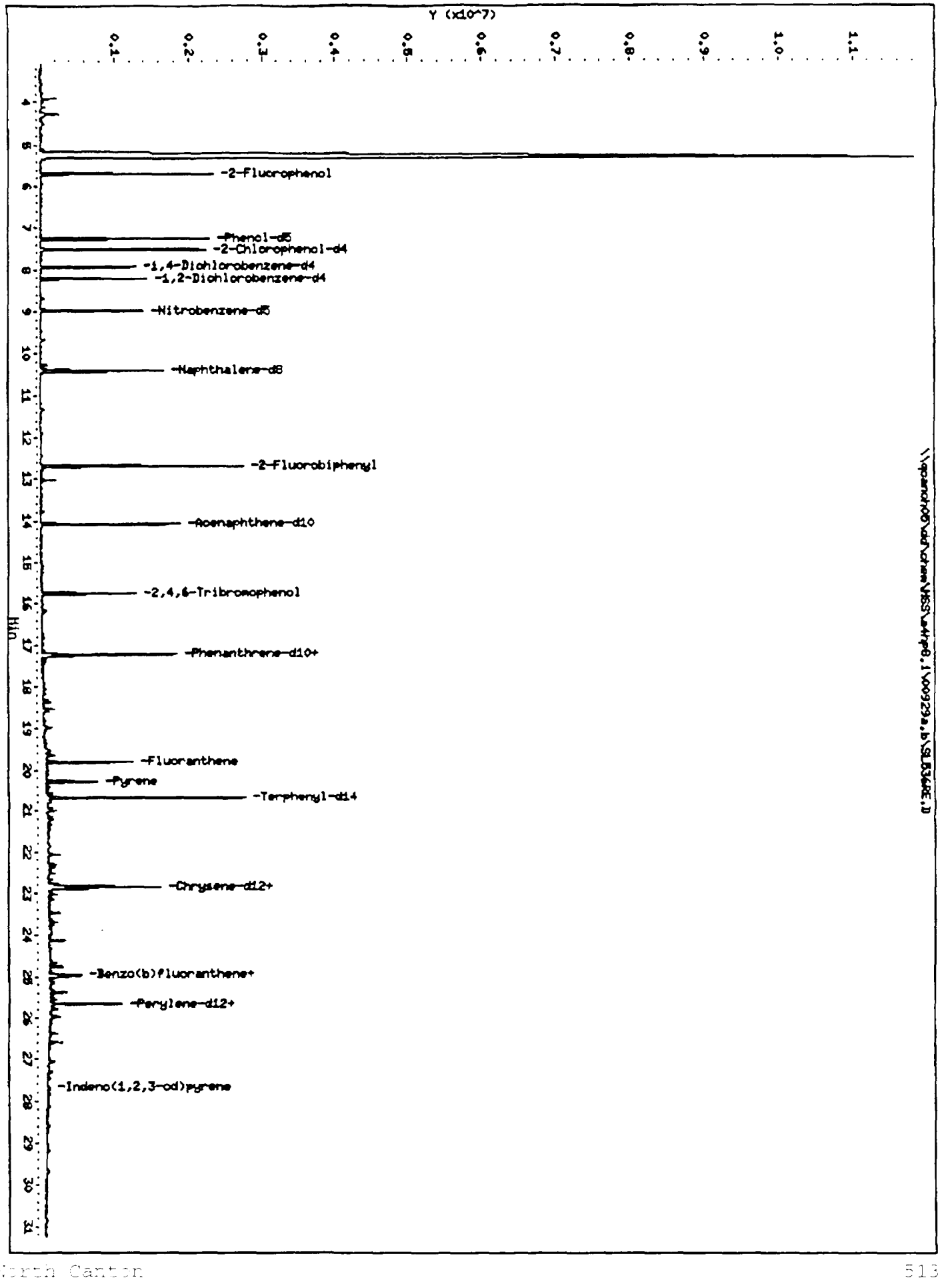
QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3159	32000	JA
	Unknown	13.024	100	J
	Unknown PAH	18.963	100	J
	Unknown	19.525	130	J
	Unknown	19.641	130	J
	Unknown Hydrocarbon	24.128	100	J
	Unknown	24.671	120	J
	Unknown Hydrocarbon	24.762	170	J
	Unknown PAH	25.147	110	J
	Unknown Hydrocarbon	25.378	260	J
	Unknown	25.777	170	J
	Unknown Hydrocarbon	25.969	250	J
	Unknown Hydrocarbon	26.388	130	J
	Unknown Hydrocarbon	26.599	190	J
	Unknown Hydrocarbon	27.061	130	J
	Unknown	28.609	96	J

FORM I - TIC


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
-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+
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12+
-Benzo(b)fluoranthene+
-Perylene-d12+
-Indeno(1,2,3-cd)pyrene

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D
Lab Smp Id: DJRNQ20U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 05:29
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq20u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.180	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	7.936	7.940	(1.000)	292827	40.0000	
* 2 Naphthalene-d8	136	10.413	10.426	(1.000)	1182211	40.0000	
* 3 Acenaphthene-d10	164	14.082	14.095	(1.000)	708142	40.0000	
* 4 Phenanthrene-d10	188	17.227	17.240	(1.000)	1144168	40.0000	
* 5 Chrysene-d12	240	22.853	22.866	(1.000)	812069	40.0000	
* 6 Perylene-d12	264	25.662	25.665	(1.000)	596049	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.					

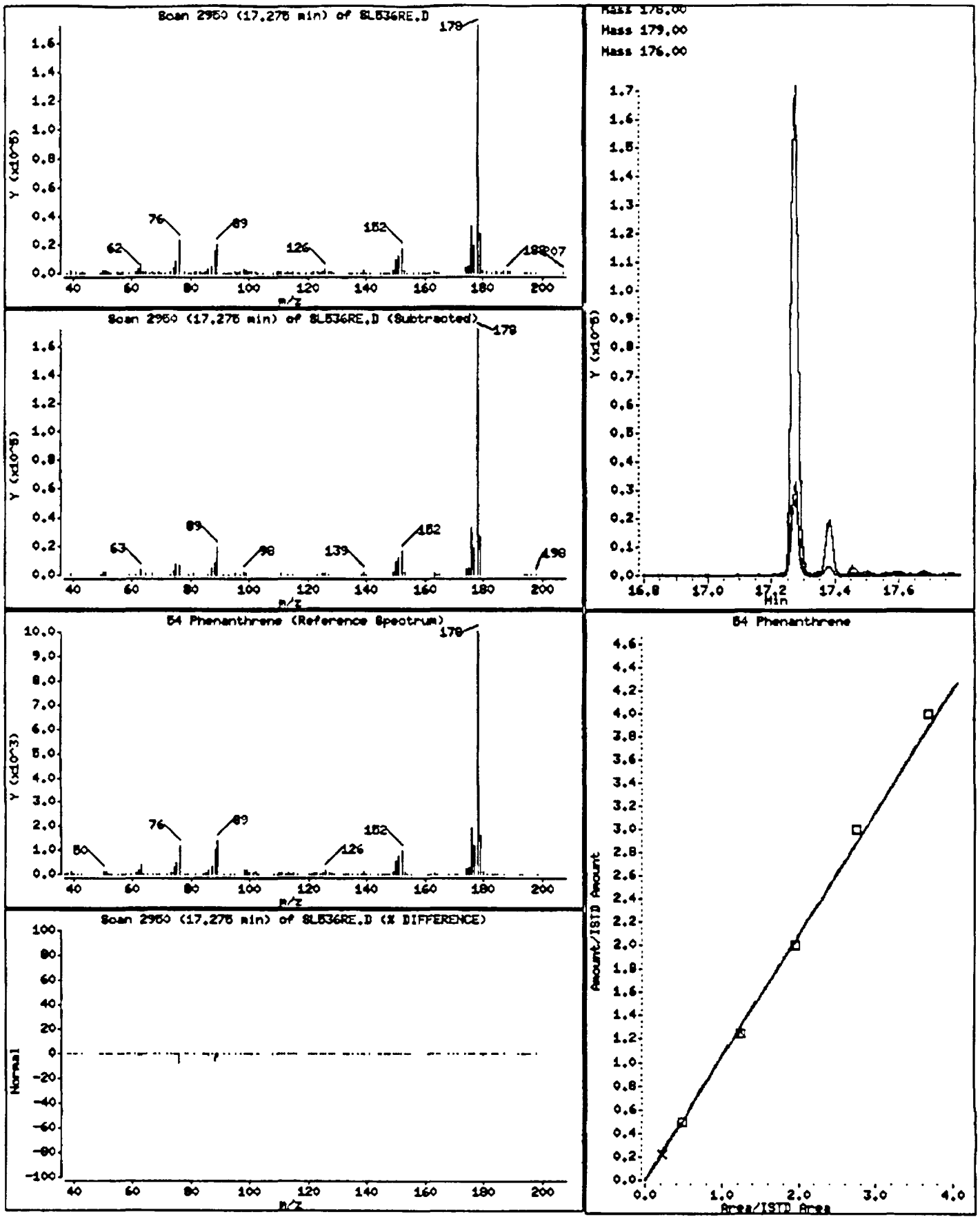
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	17.275	17.293	(1.003)	257406	9.02234	150(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.804	19.813	(1.150)	812394	29.5817	490
59 Pyrene	202	20.271	20.289	(0.887)	412378	14.4085	240(a)
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	22.834	22.842	(0.999)	375741	17.0797	280(aH)
63 Chrysene	228	22.906	22.919	(1.002)	374823	17.7111	290(a)
64 bis(2-ethylhexyl)Phthalate	149	23.031	23.039	(1.008)	44913	2.90270	48(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.964	24.977	(0.973)	379664	18.0692	300(a)
67 Benzo(k)fluoranthene	252	25.012	25.030	(0.975)	154893	7.39892	120(aH)
68 Benzo(a)pyrene	252	25.556	25.564	(0.996)	41648	2.24116	37(a)
69 Indeno(1,2,3-cd)pyrene	276	27.681	27.704	(1.079)	34111	2.05229	34(a)
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.989	8.998	(0.863)	759587	62.9818	1000
$ 73 2-Fluorobiphenyl	172	12.687	12.696	(0.901)	1372205	71.4166	1200
$ 74 Terphenyl-d14	244	20.680	20.683	(0.905)	1674293	84.9113	1400
$ 75 Phenol-d5	99	7.263	7.262	(0.915)	1350375	103.248	1700
$ 76 2-Fluorophenol	112	5.700	5.670	(0.718)	896130	92.3829	1500
$ 77 2,4,6-Tribromophenol	330	15.751	15.764	(0.914)	242579	92.9571	1500(Q)
$ 78 2-Chlorophenol-d4	132	7.518	7.517	(0.947)	900427	105.049	1700(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.220	8.223	(1.036)	328963	56.3719	930

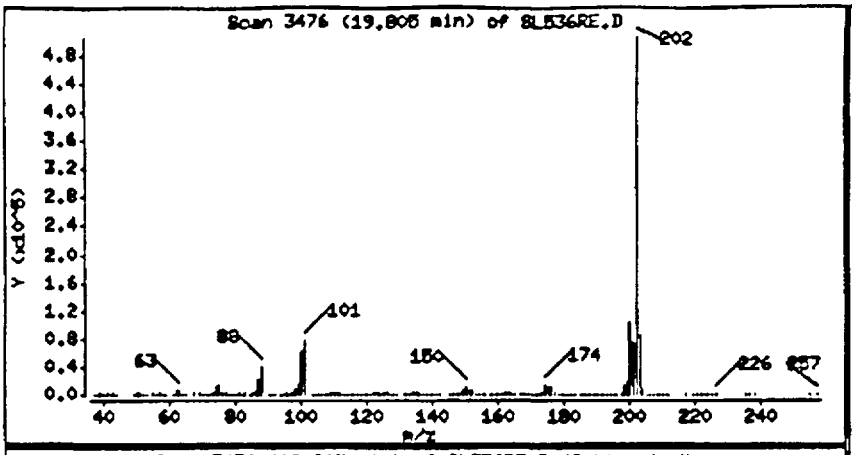
QC Flag Legend

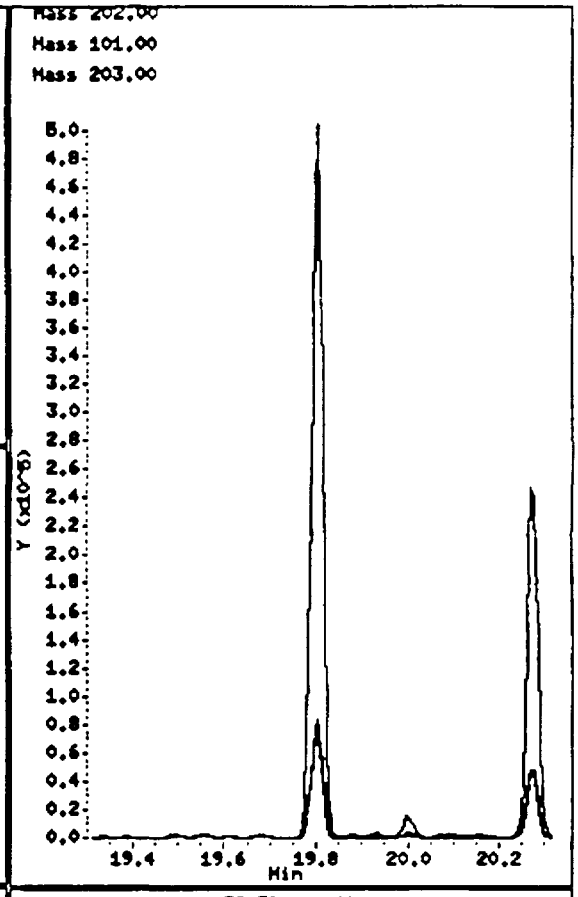
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

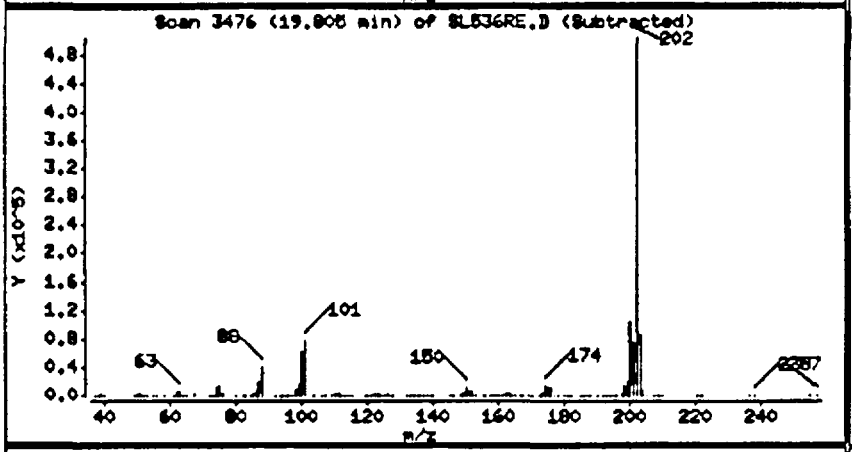
54 Phenanthrene

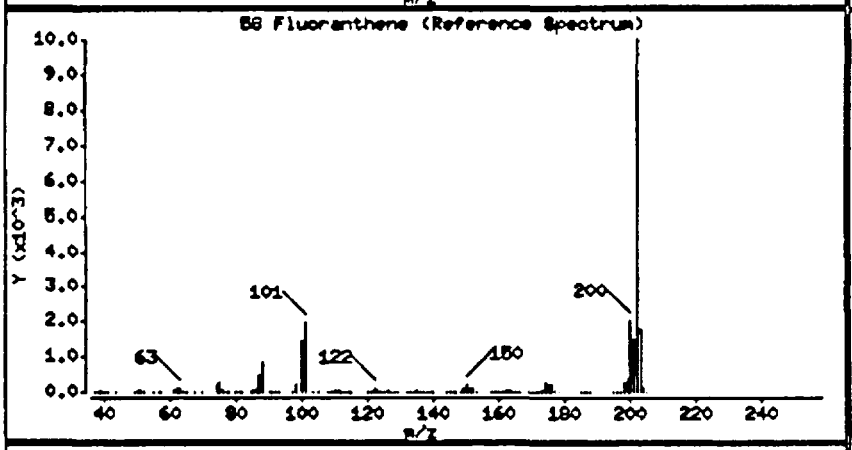


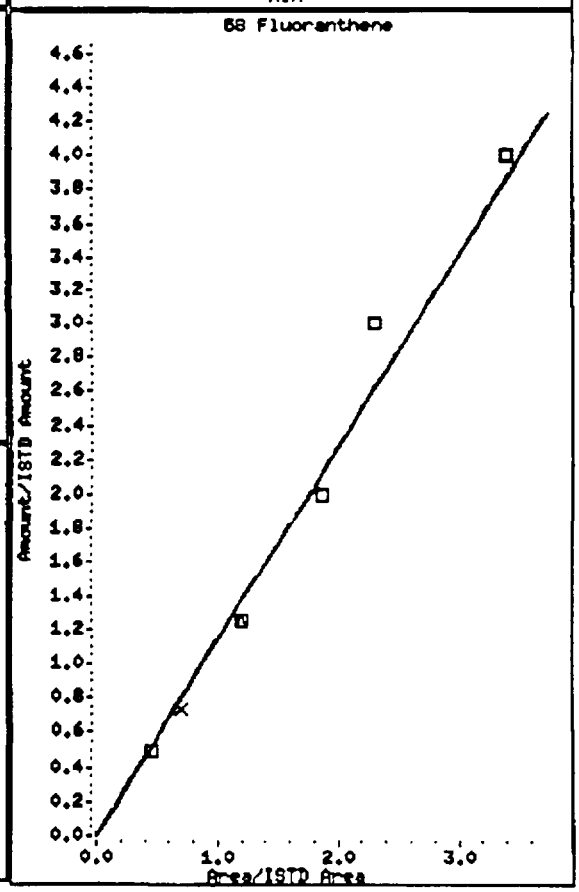
58 Fluoranthene

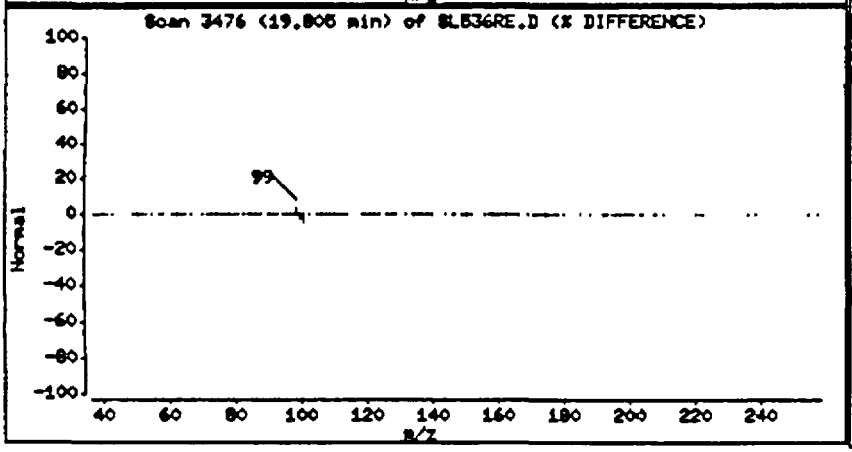




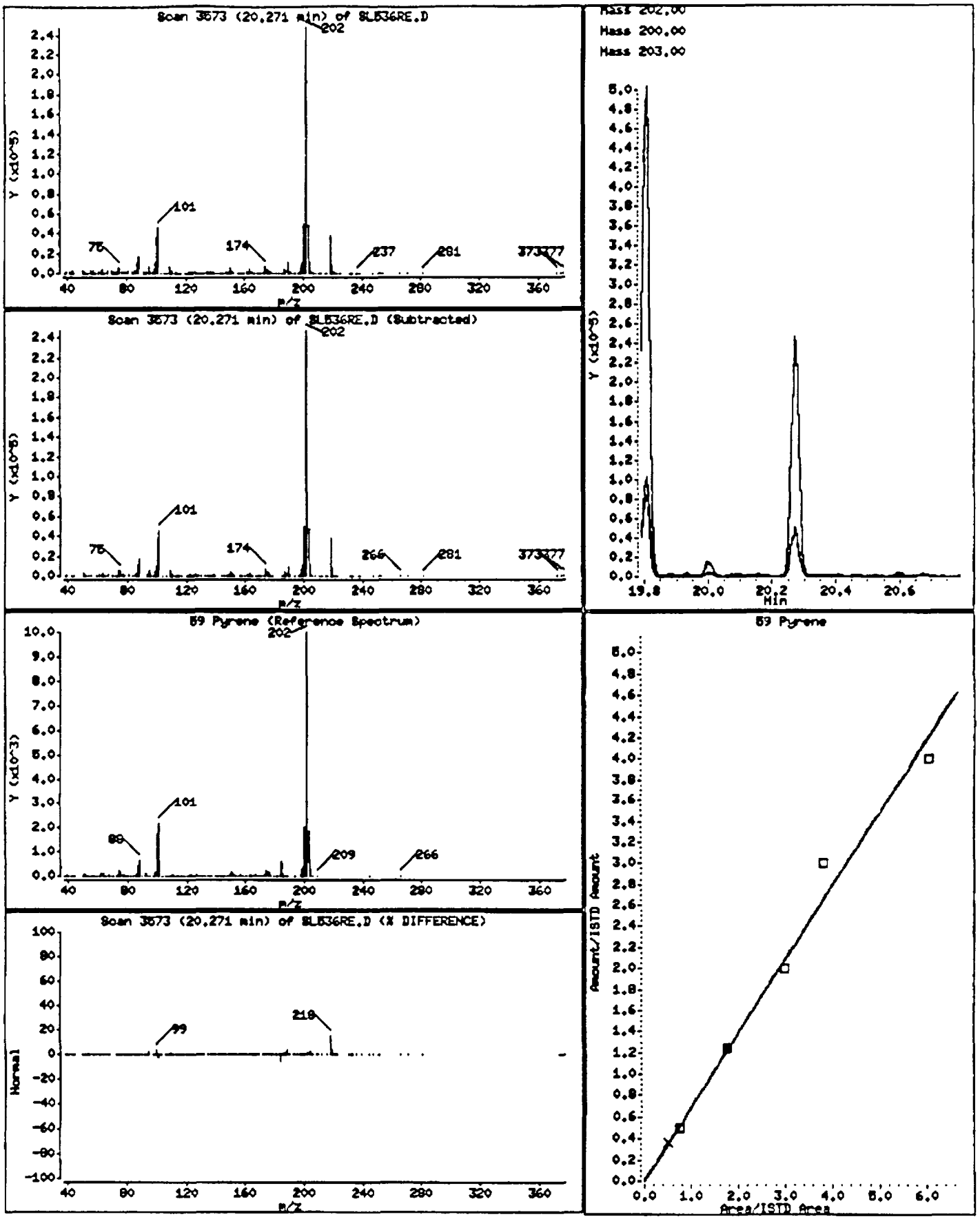




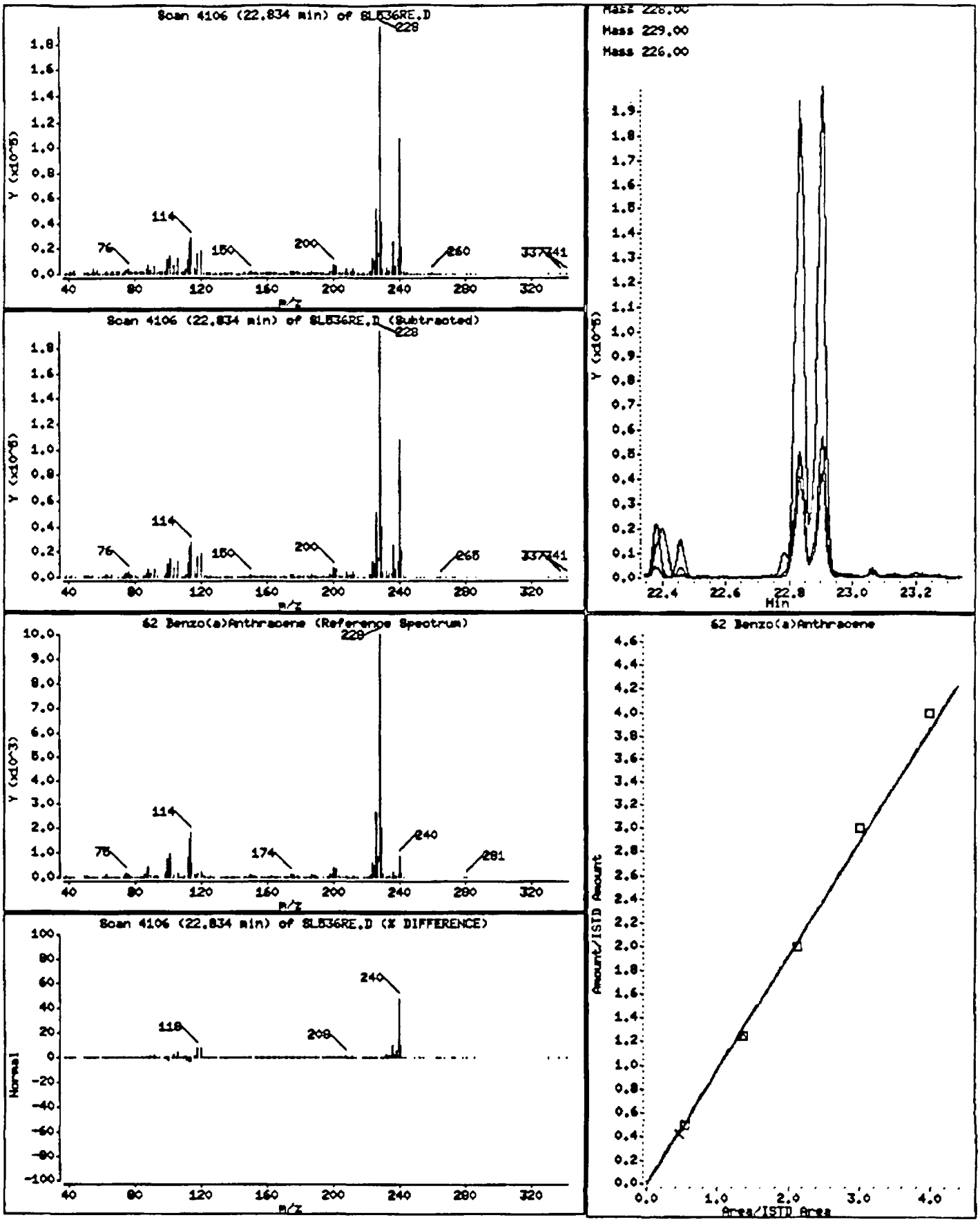




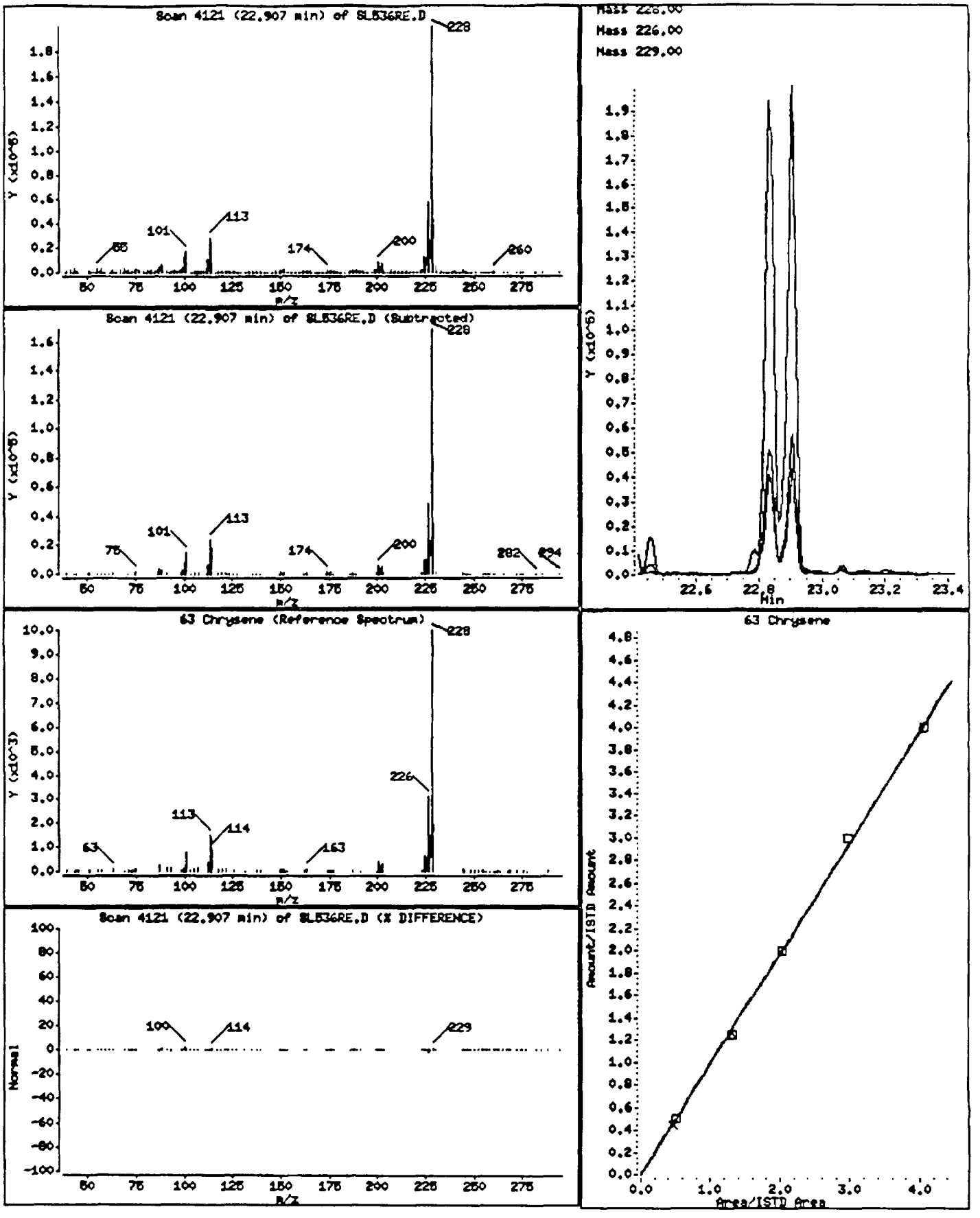
59 Pyrene


Scan 3673 (20.271 min) of SL536RE.D
202
101
75
174
237
281
373377
Y (x10^5)
m/z
Scan 3673 (20.271 min) of SL536RE.D (Subtracted)
202
101
75
174
266
281
373377
Y (x10^5)
m/z
59 Pyrene (Reference Spectrum)
202
101
89
209
266
Y (x10^3)
m/z
Scan 3673 (20.271 min) of SL536RE.D (% DIFFERENCE)
99
219
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^5)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

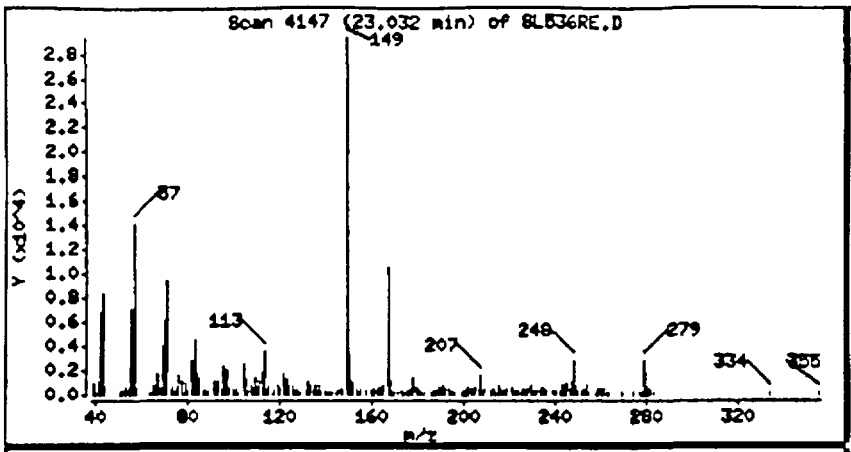
62 Benzo(a)Anthracene

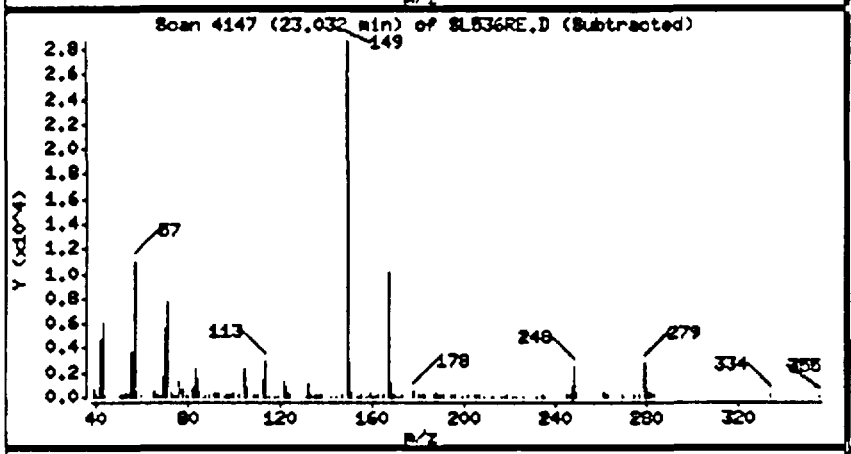


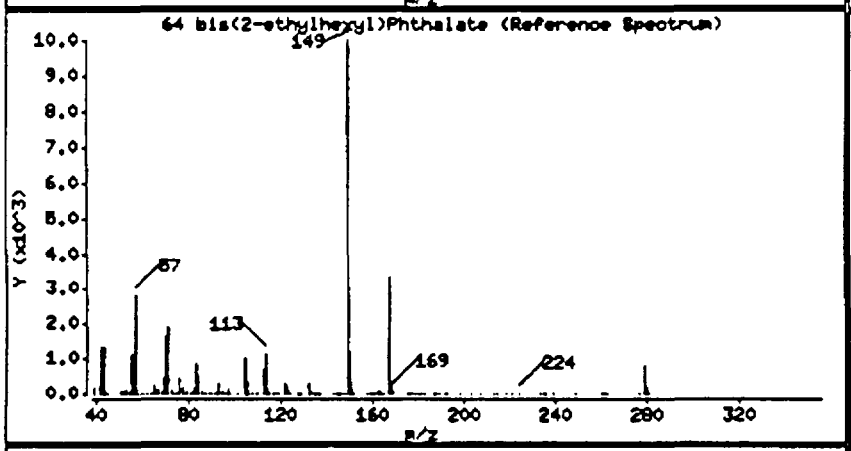
63 Chrysene

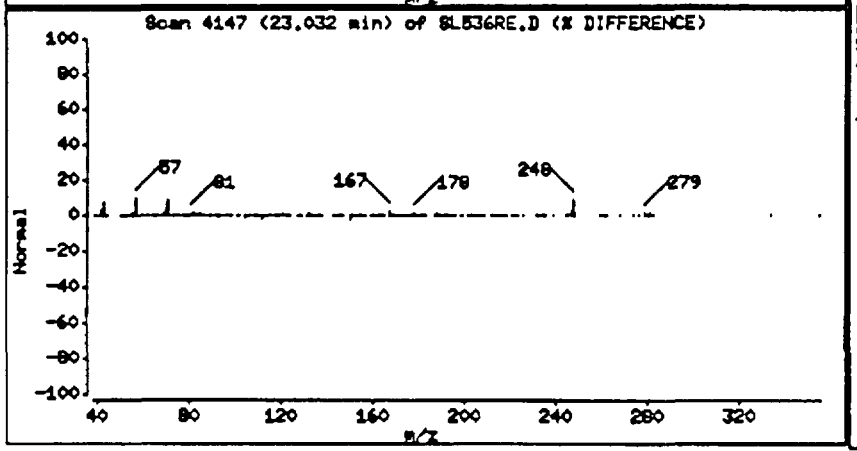

Scan 4121 (22.907 min) of SL536RE.D
Scan 4121 (22.907 min) of SL536RE.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4121 (22.907 min) of SL536RE.D (% DIFFERENCE)
Y (x10^-5)
Y (x10^-3)
Normal
m/z
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^-5)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

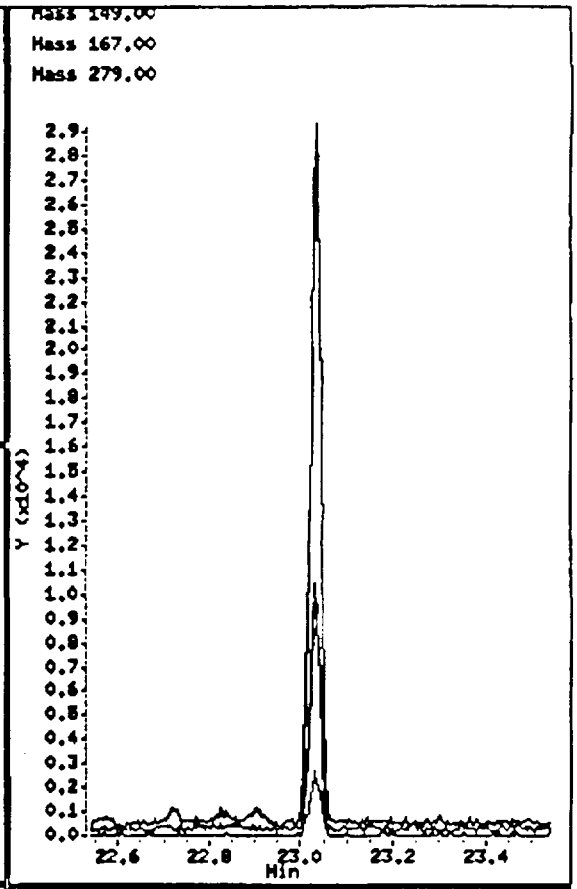
64 bis(2-ethylhexyl)Phthalate

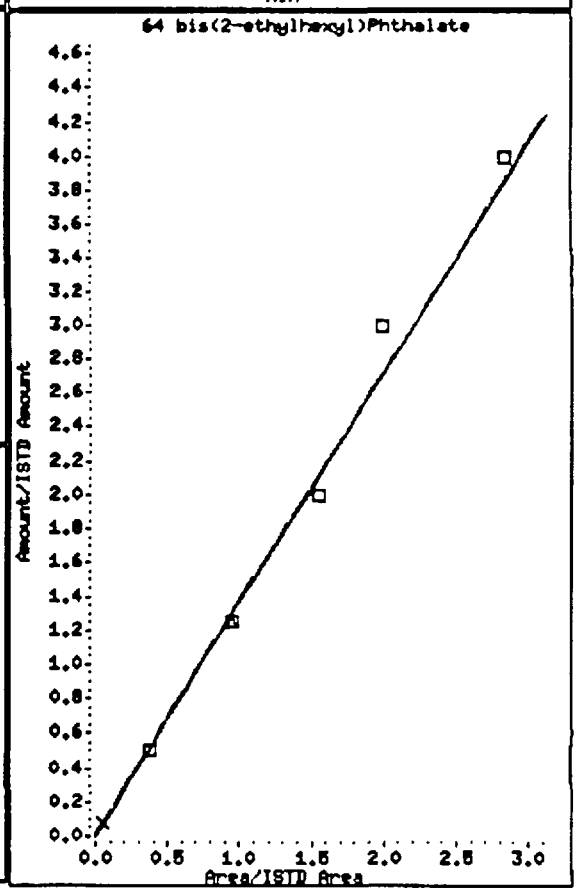




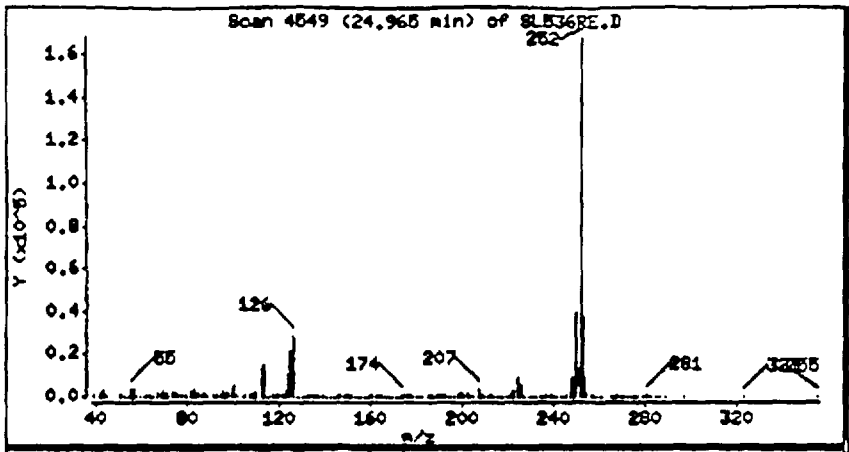


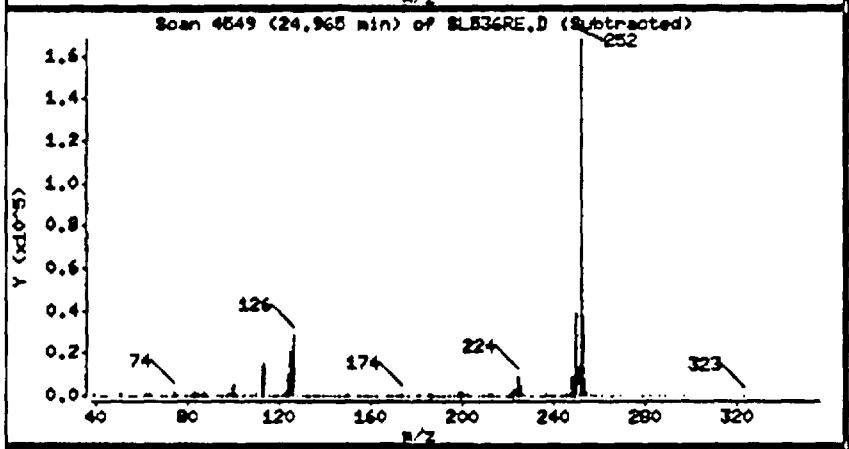


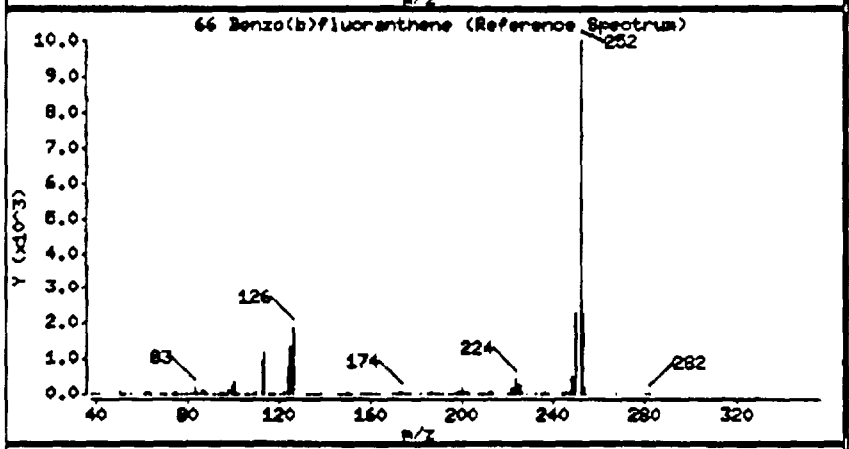


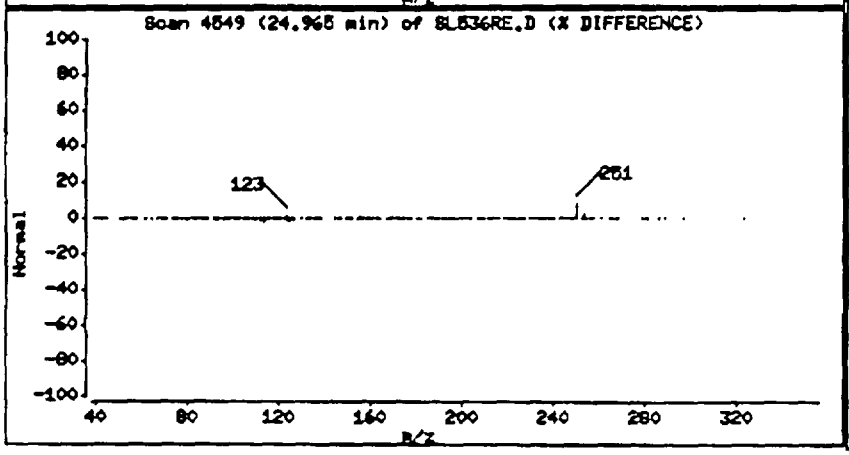


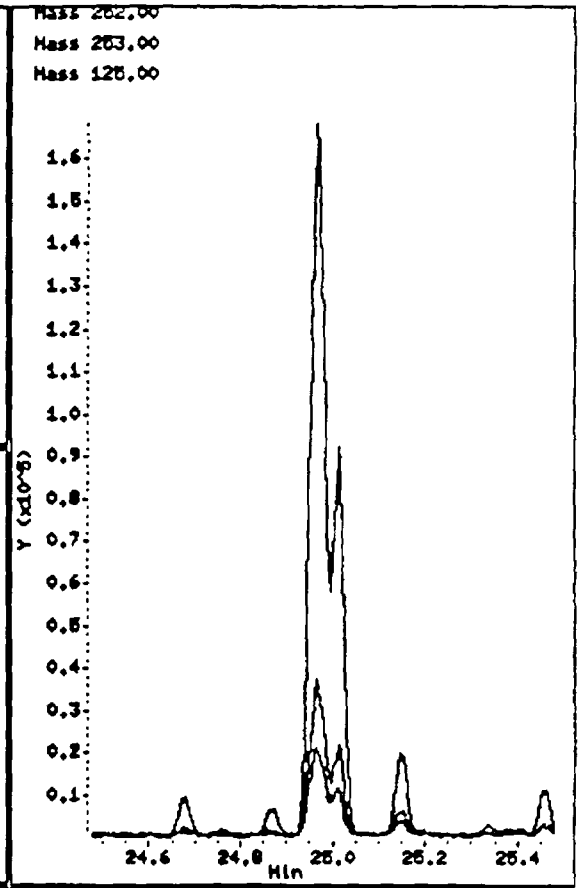
66 Benzo(b)fluoranthene

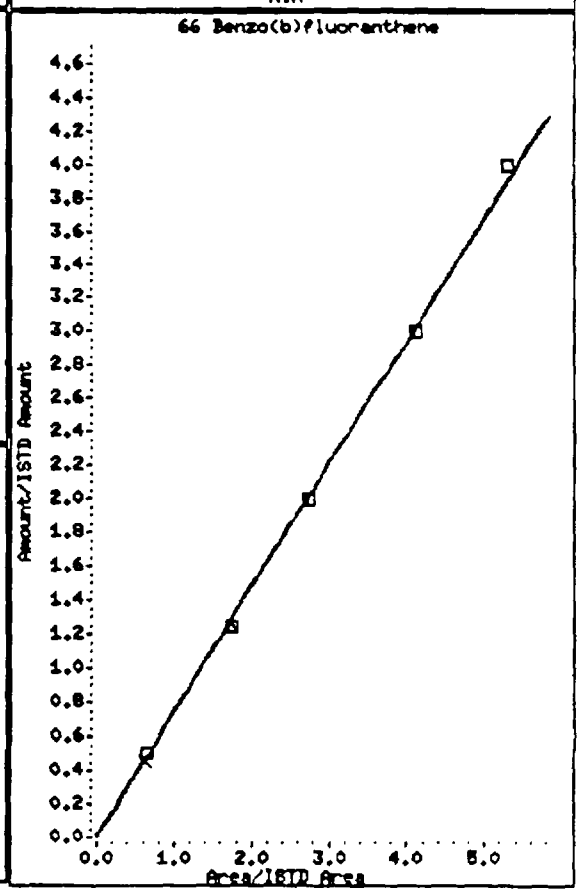




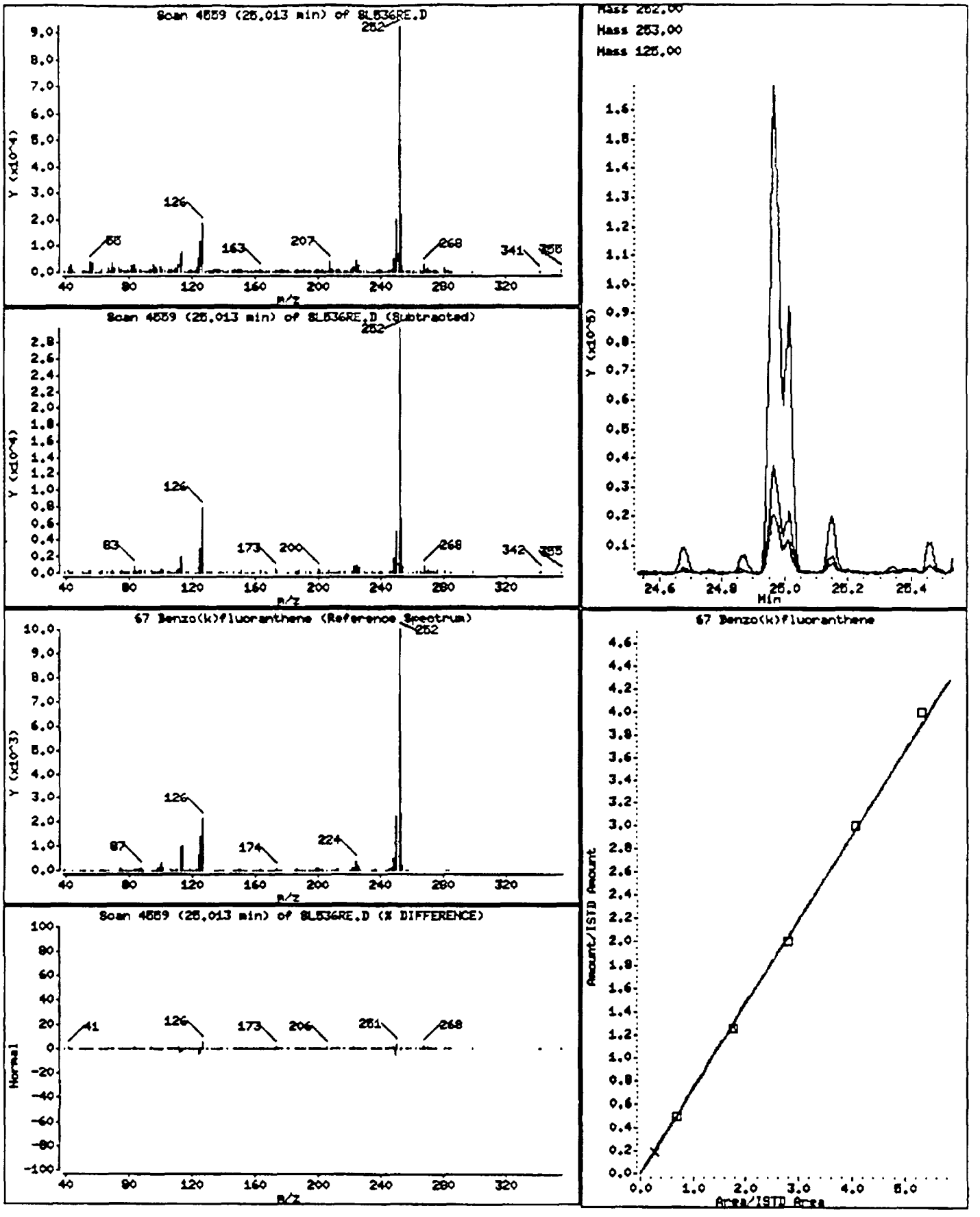




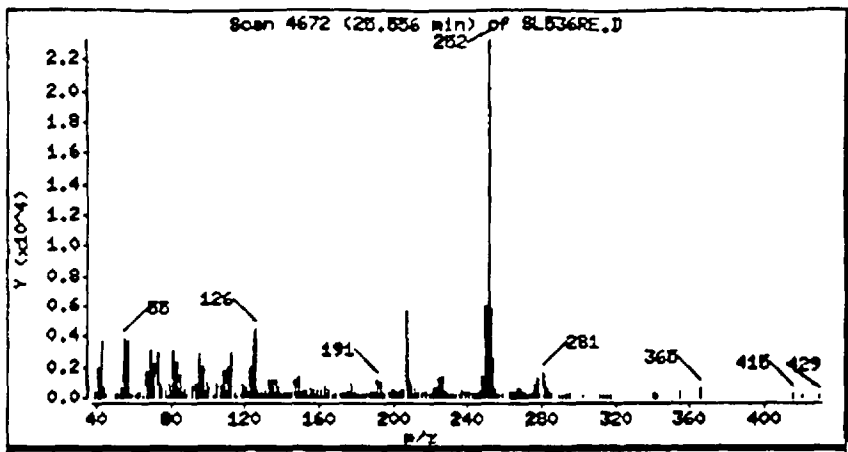


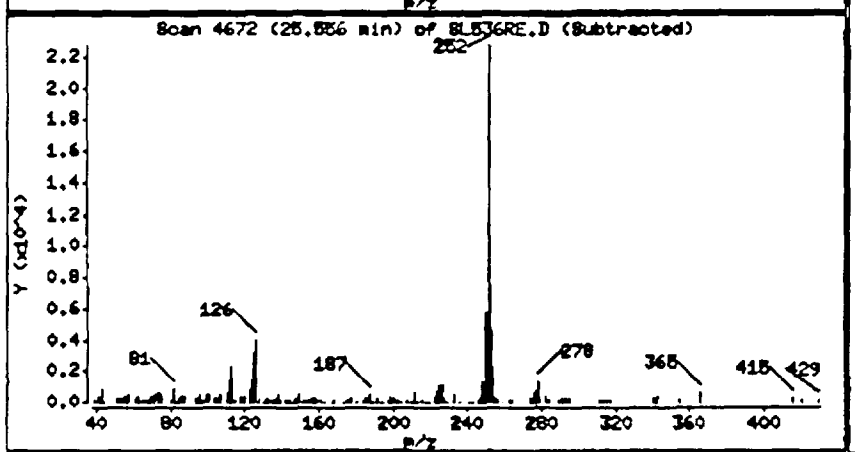


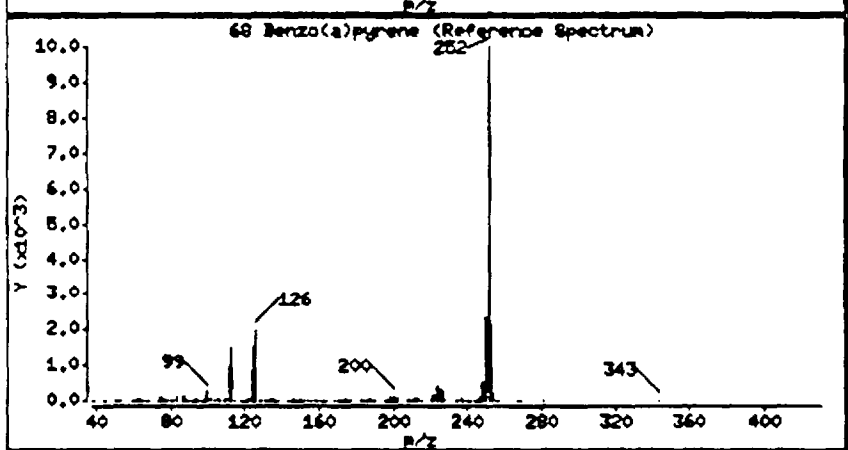
67 Benzo(k)fluoranthene

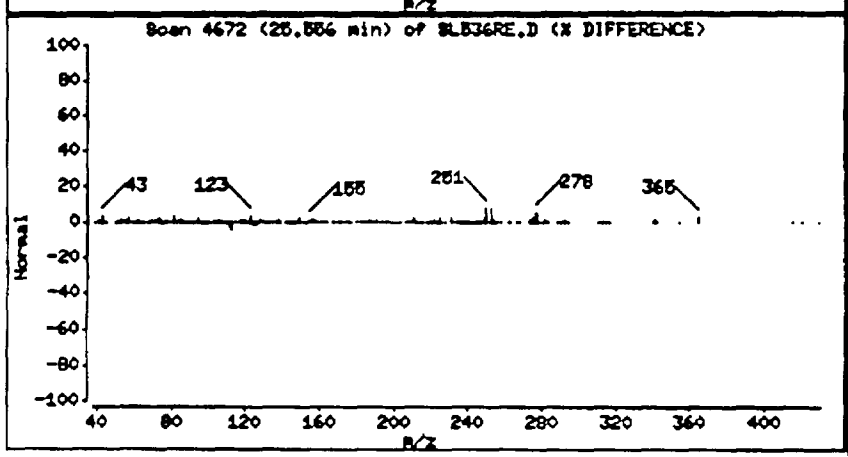


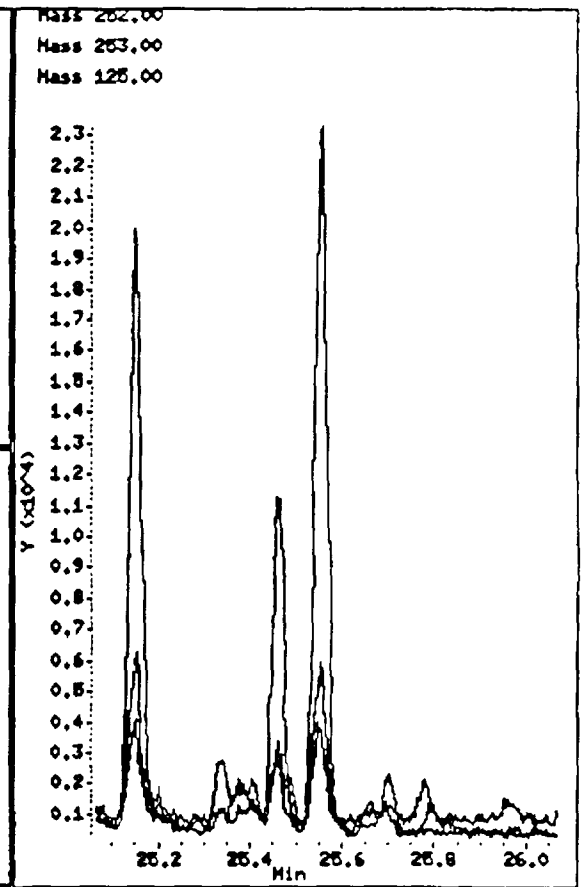
68 Benzo(a)pyrene

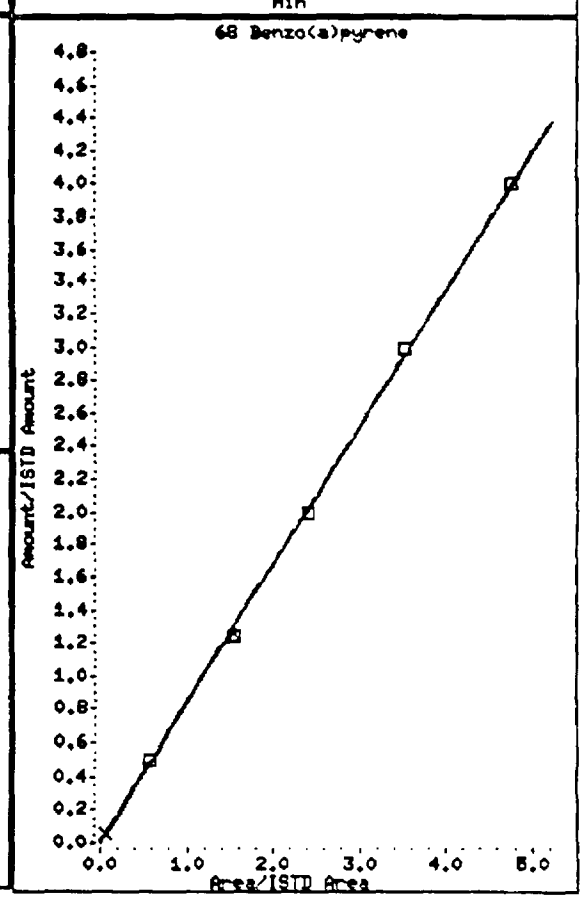




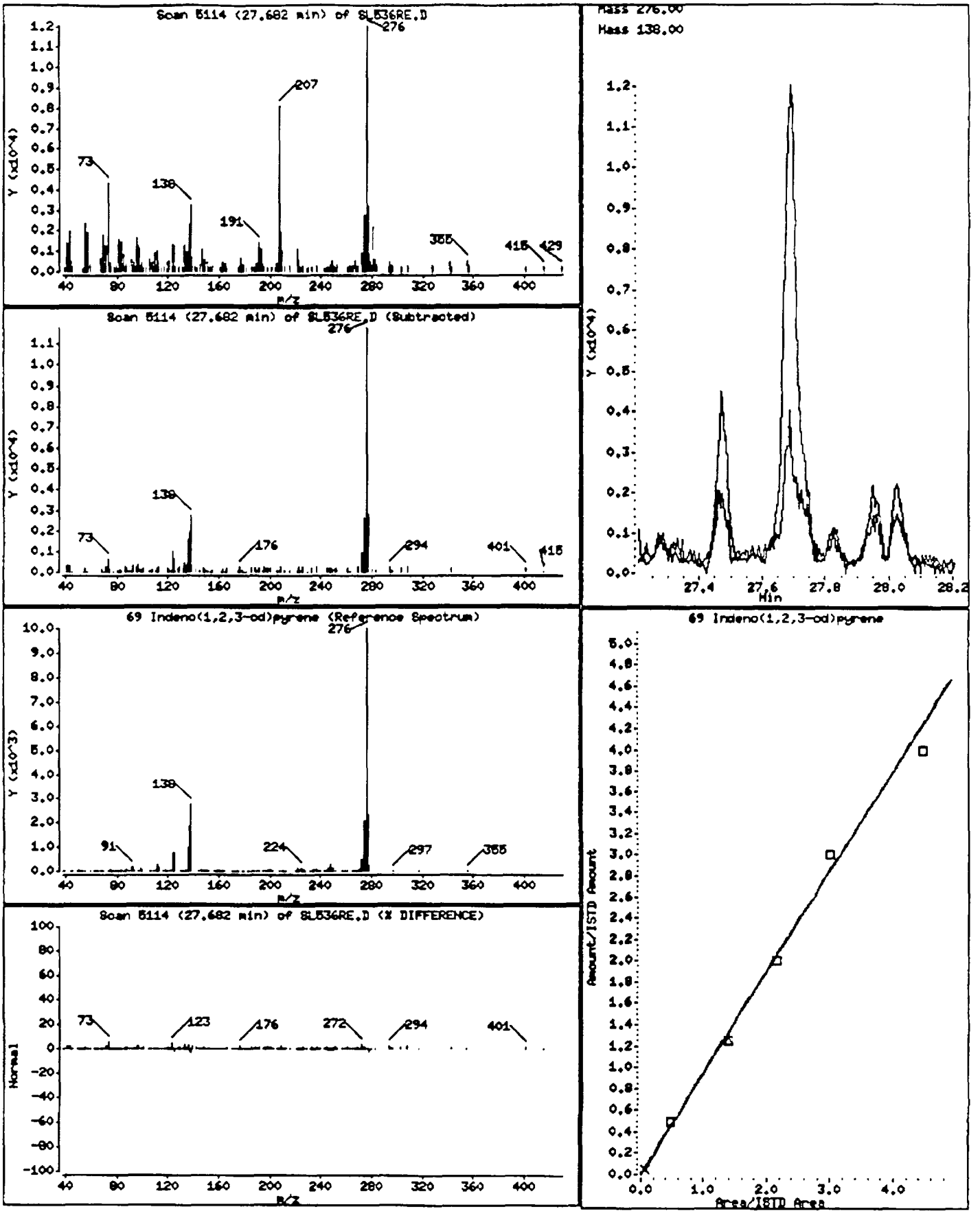








69 Indeno(1,2,3-cd)pyrene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D
Lab Smp Id: DJRNQ20U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 05:29
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq20u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.180	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.937	1925827	40.000
* 3 Acenaphthene-d10	14.082	2998722	40.000
* 4 Phenanthrene-d10	17.227	3108936	40.000
* 5 Chrysene-d12	22.854	3593427	40.000
* 6 Perylene-d12	25.662	1755146	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 Aldol Condensate				CAS #:			
5.316	63943812	1328.13201	22000	99		0	1
Unknown				CAS #:			
13.024	313982	4.18821084	69	0		0	3
Unknown PAH				CAS #:			
18.963	328783	4.23016749	70	99		0	4
Unknown				CAS #:			
19.526	429765	5.52942022	92	0		0	4
Unknown				CAS #:			
19.641	405576	5.21819882	86	0		0	4
Unknown Hydrocarbon				CAS #:			
24.128	378322	4.21126685	70	99		0	5
Unknown				CAS #:			
24.671	219430	5.00082688	83	0		0	6
Unknown Hydrocarbon				CAS #:			
24.763	320287	7.29937634	120	99		0	6
Unknown PAH				CAS #:			
25.147	208161	4.74402386	78	99		0	6
Unknown Hydrocarbon				CAS #:			
25.378	491404	11.1991604	180	99		0	6
Unknown				CAS #:			
25.777	323991	7.38380032	120	0		0	6
Unknown Hydrocarbon				CAS #:			
25.970	442810	10.0916933	170	99		0	6
Unknown Hydrocarbon				CAS #:			
26.388	241077	5.49417354	91	99		0	6
Unknown Hydrocarbon				CAS #:			
26.600	346909	7.90610586	130	99		0	6
Unknown Hydrocarbon				CAS #:			
27.061	243585	5.55132855	92	99		0	6

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.610	175592	4.00175174	66	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31,1-clp90.sub

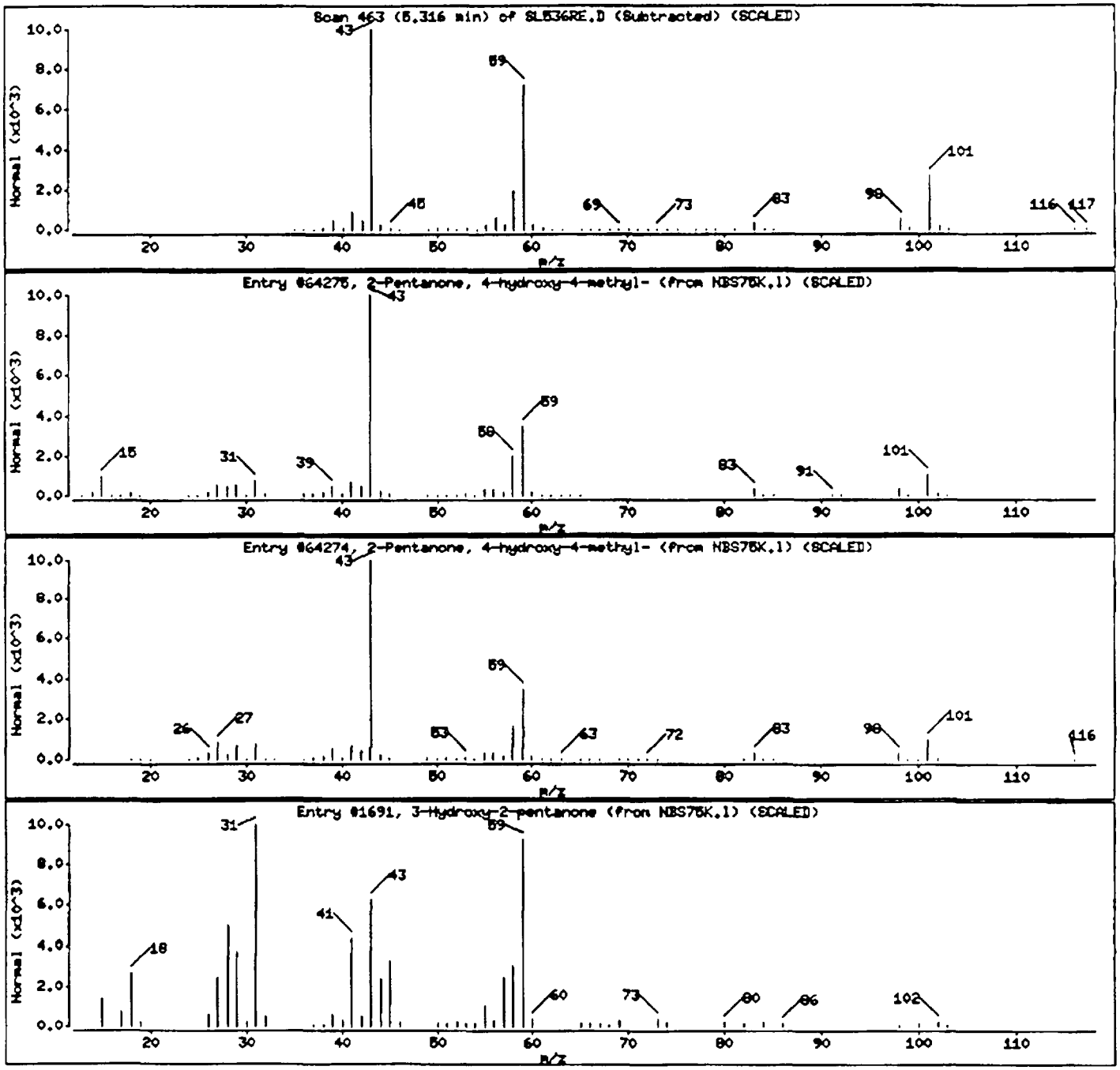
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	40	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	25	C5H10O2	102



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,i-olp90,sub

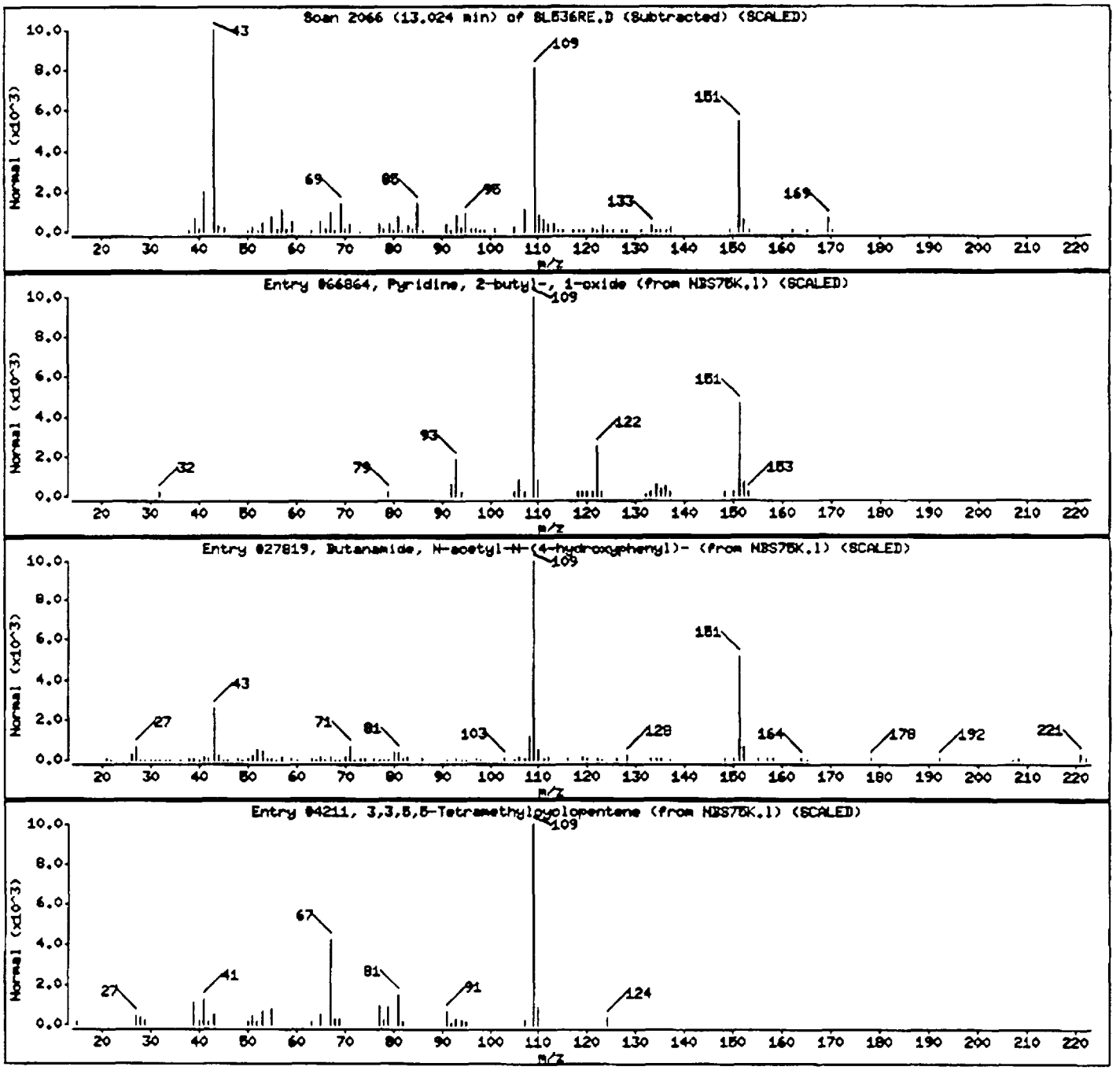
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pyridine, 2-butyl-, 1-oxide	31396-32-4	NBS75K.l	66864	59	C9H13NO	151
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.l	27819	39	C12H15NO3	221
3,3,5,5-Tetramethylcyclopentene	0-00-0	NBS75K.l	4211	38	C9H16	124



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

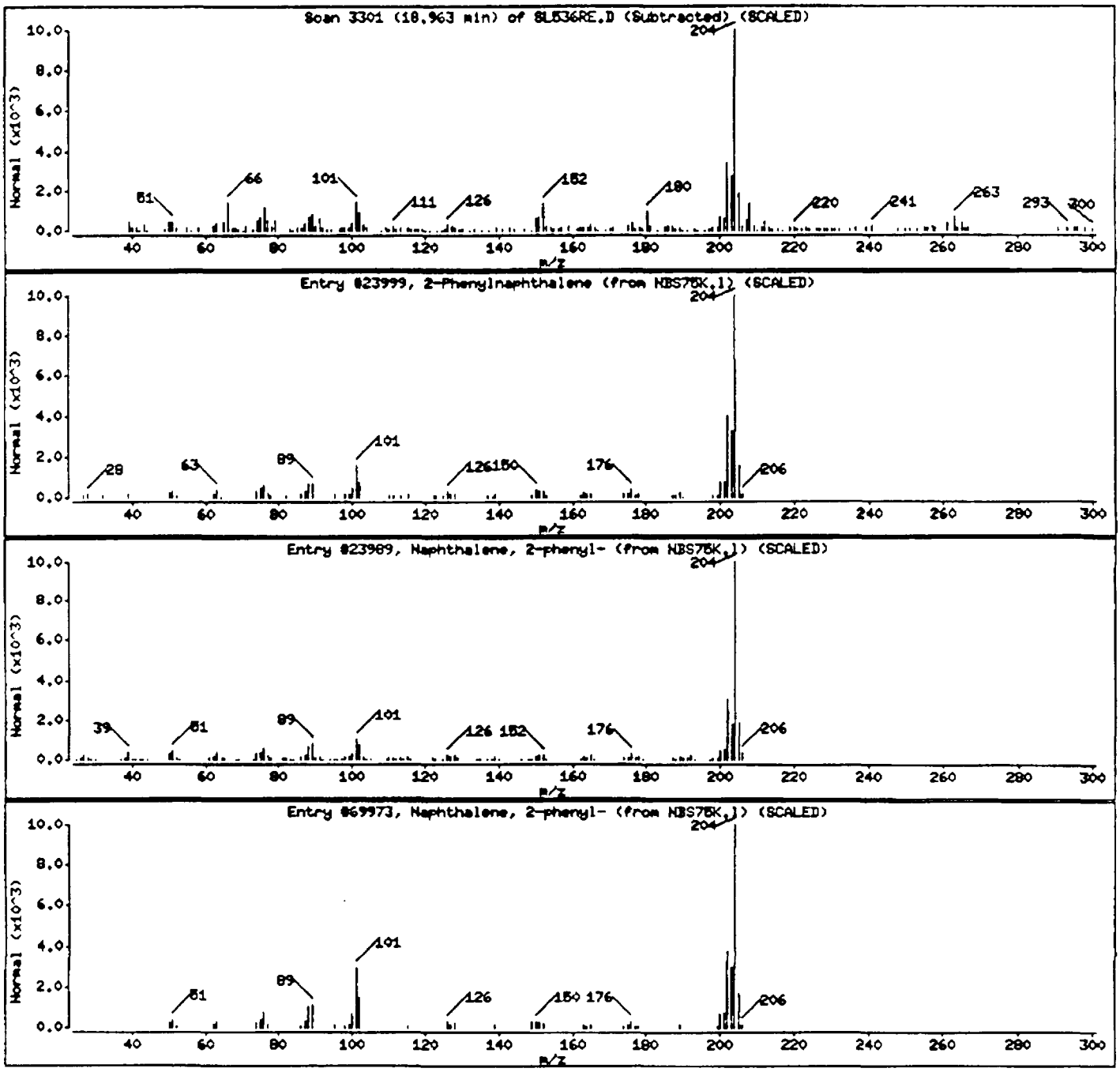
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
2-Phenylnaphthalene	35465-71-5	NBS75K.l	23999	91	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	23989	70	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	69973	64	C16H12	204



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

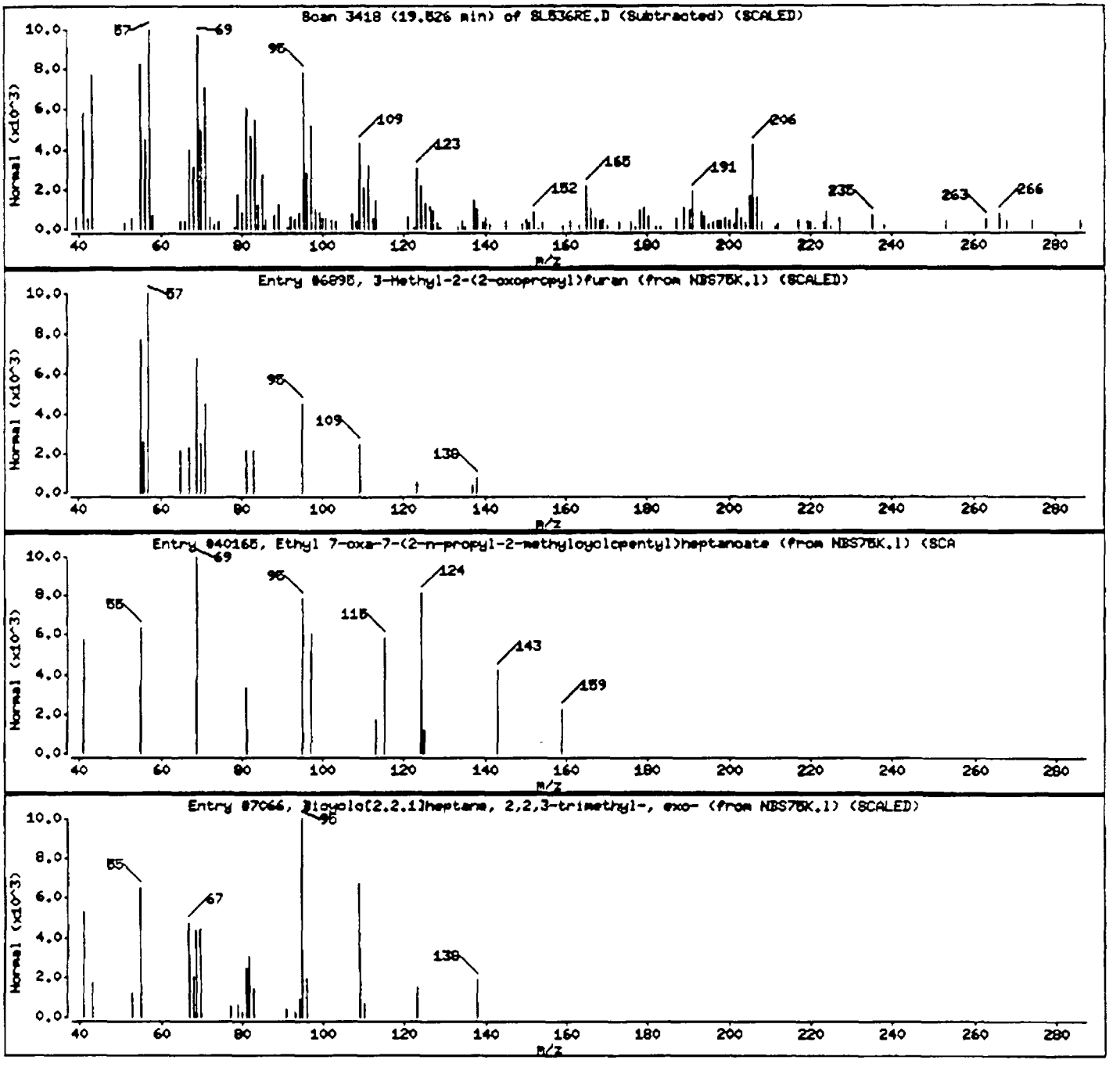
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Methyl-2-(2-oxopropyl)furan	0-00-0	NBS75K.l	6895	45	C8H10O2	138
Ethyl 7-oxa-7-(2-n-propyl-2-methyloyolop	0-00-0	NBS75K.l	40165	35	C17H32O3	284
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-,	20536-41-8	NBS75K.l	7066	25	C10H18	138



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31,1-clp90,sub

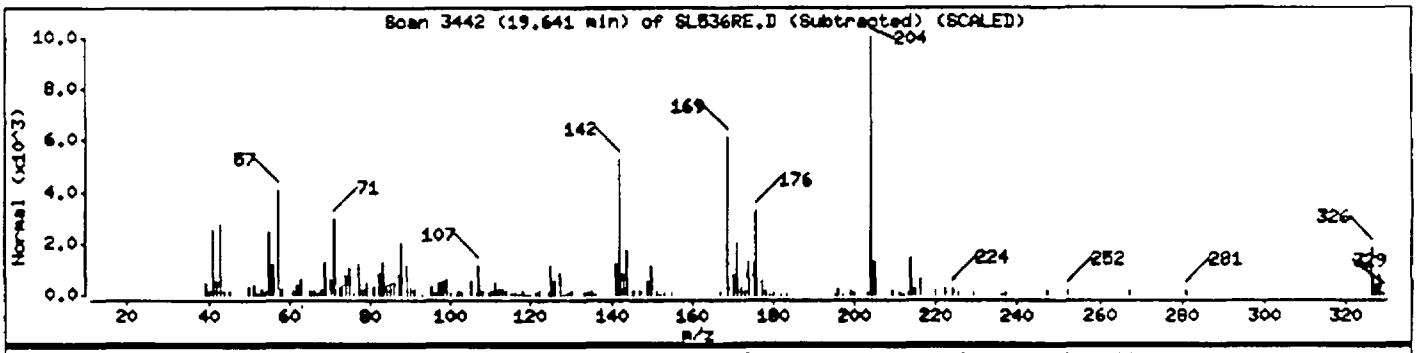
Volume Injected (uL): 2.0

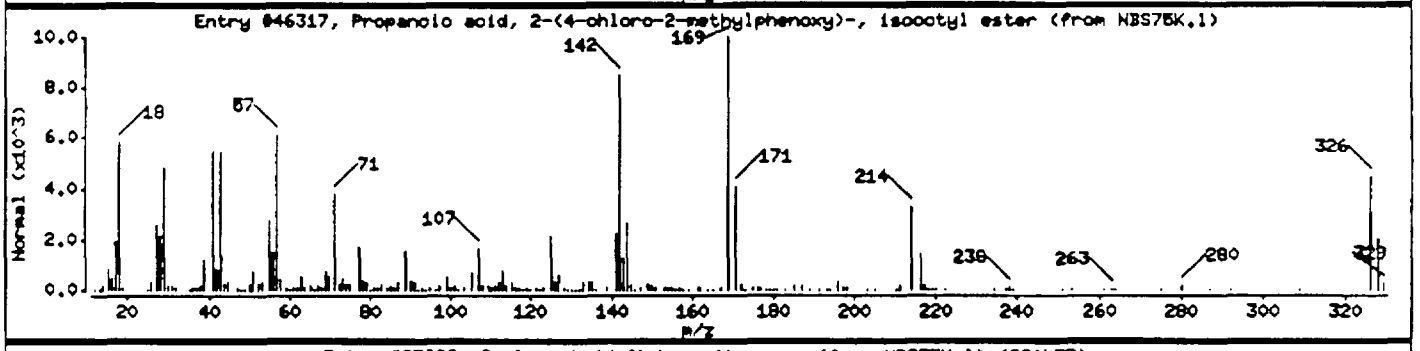
Operator: 001574

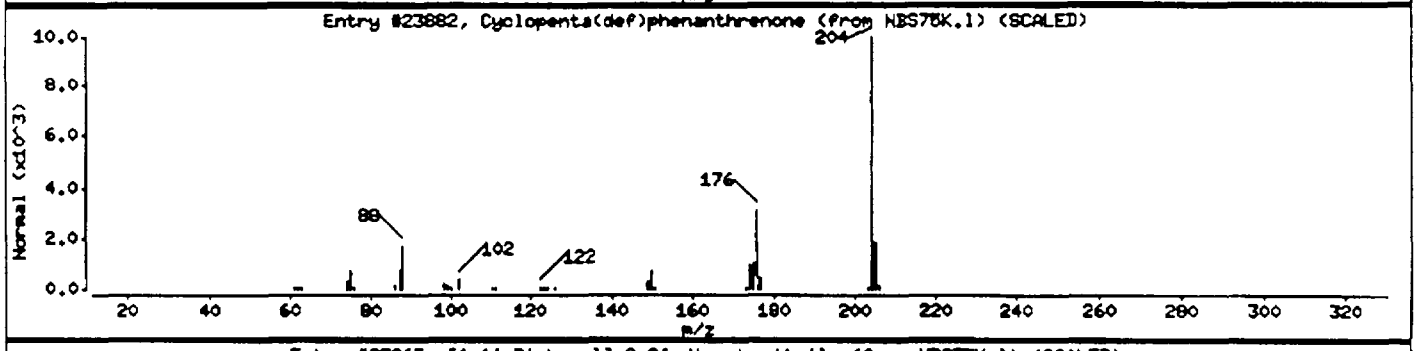
Column phase:

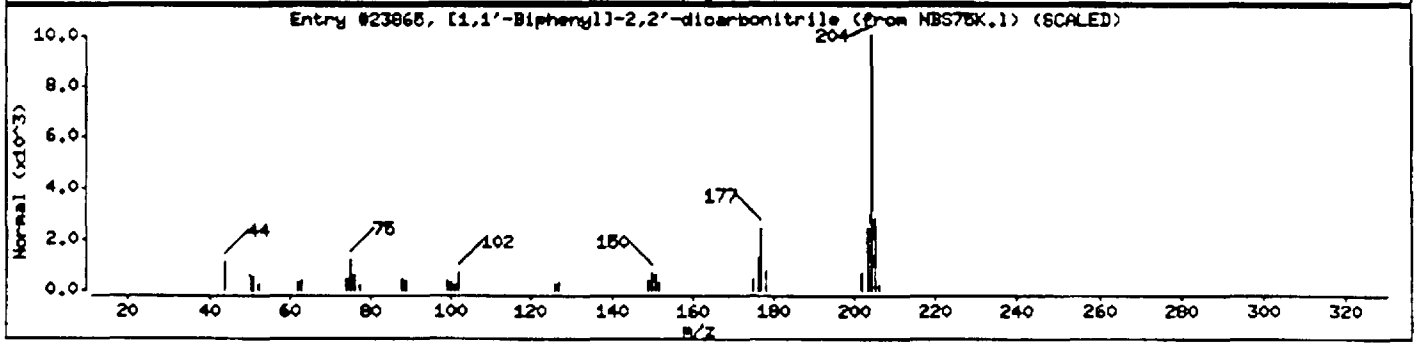
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-(4-chloro-2-methylphen	28473-03-2	NBS75K.l	46317	64	C18H27ClO3	326
Cyclopenta(def)phenanthrenone	5737-13-3	NBS75K.l	23882	46	C15H8O	204
[1,1'-Biphenyl]-2,2'-dicarbonitrile	4341-02-0	NBS75K.l	23865	22	C14H8N2	204









Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

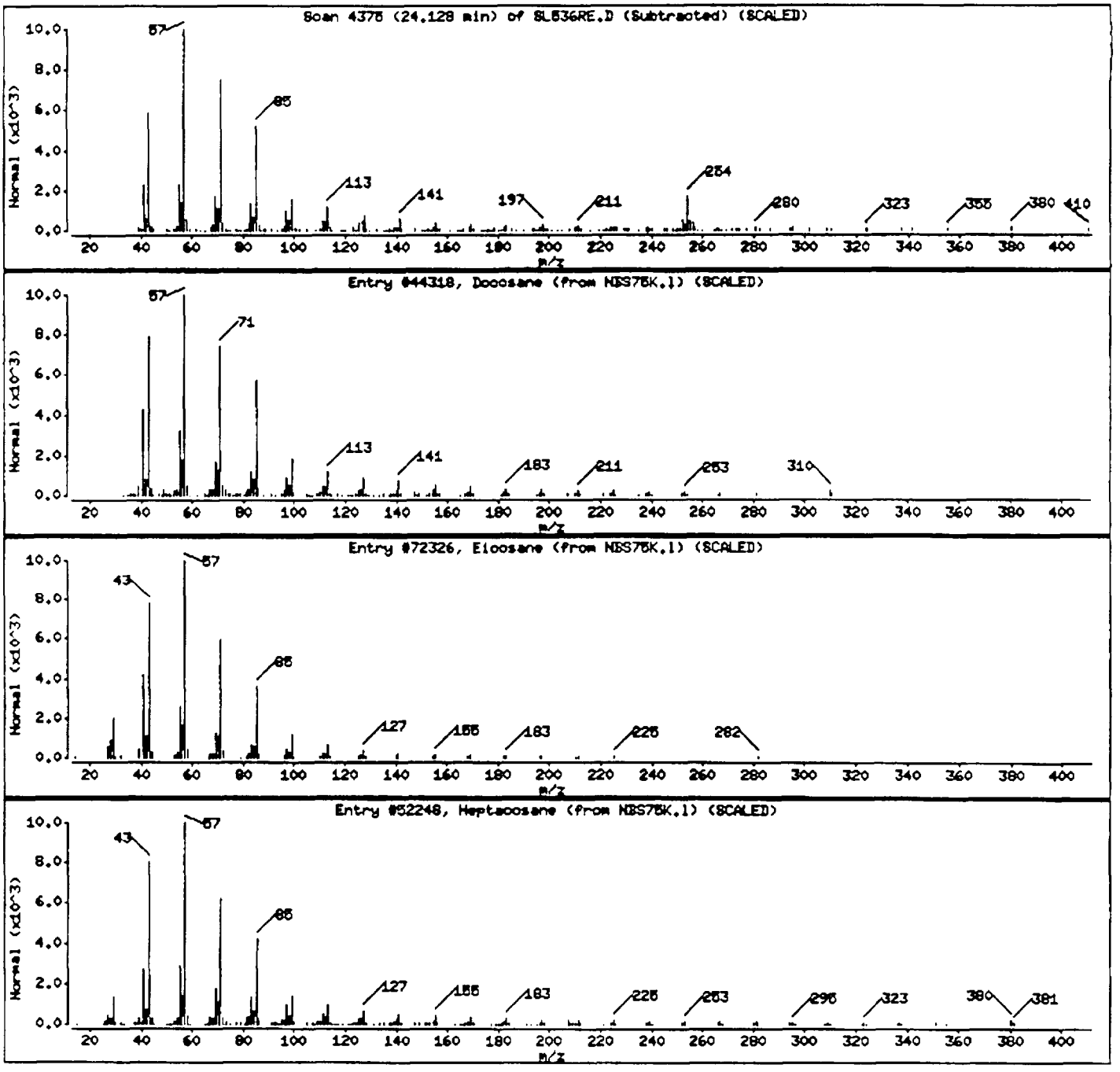
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Docosane	629-97-0	NBS75K.l	44318	99	C22H46	310
Eicosane	112-95-8	NBS75K.l	72326	97	C20H42	282
Heptacosane	593-49-7	NBS75K.l	52248	95	C27H56	380



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

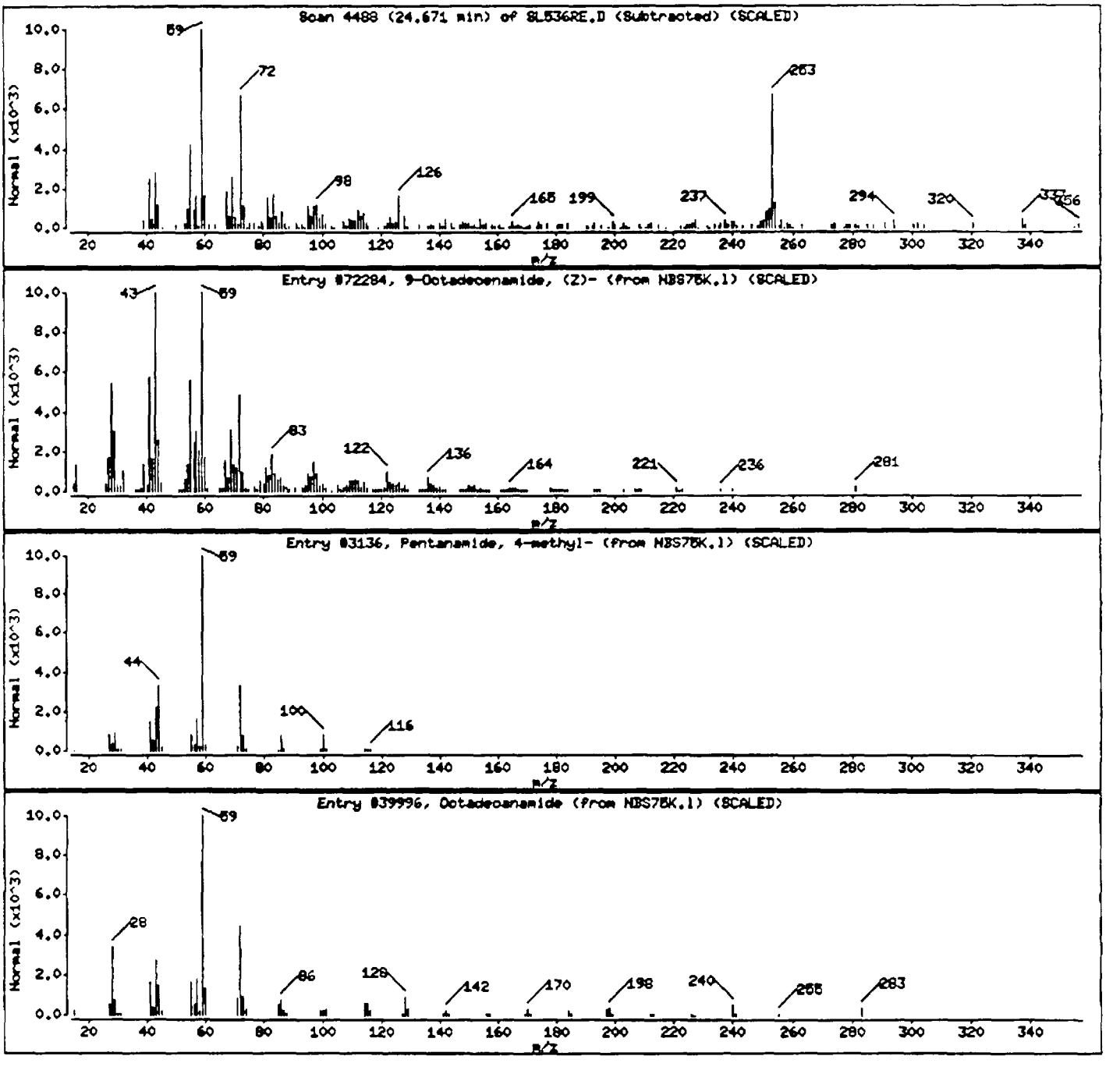
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
9-Octadecenamide, (Z)-	301-02-0	NBS75K.l	72284	37	C18H35NO	281
Pentanamide, 4-methyl-	1119-29-5	NBS75K.l	3136	37	C6H13NO	115
Octadecanamide	124-26-5	NBS75K.l	39996	37	C18H37NO	283



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,i-olp90,sub

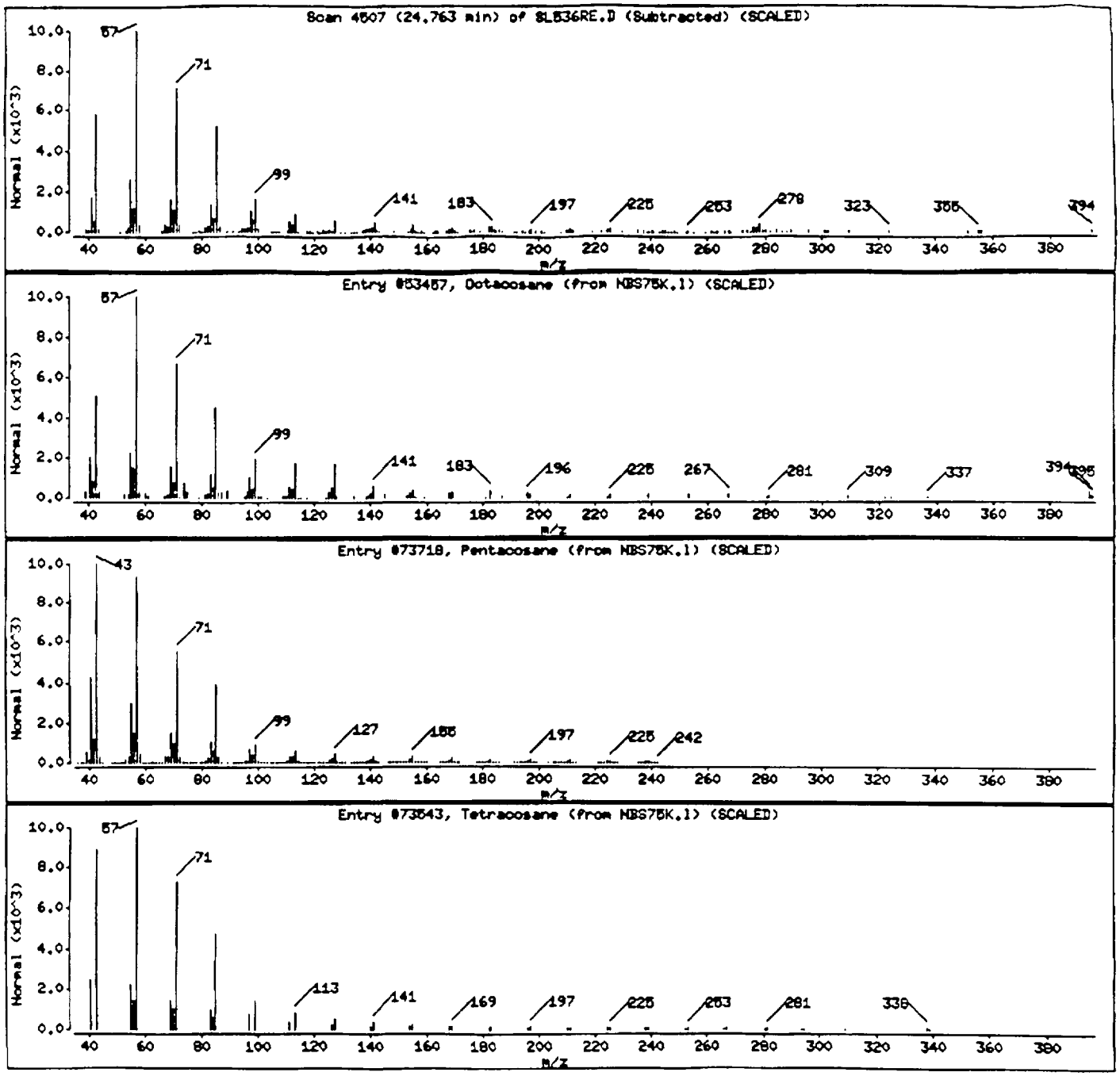
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octacosane	630-02-4	NBS75K.l	53457	93	C28H58	394
Pentacosane	629-99-2	NBS75K.l	73718	90	C25H52	352
Tetracosane	646-31-1	NBS75K.l	73543	90	C24H50	338



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

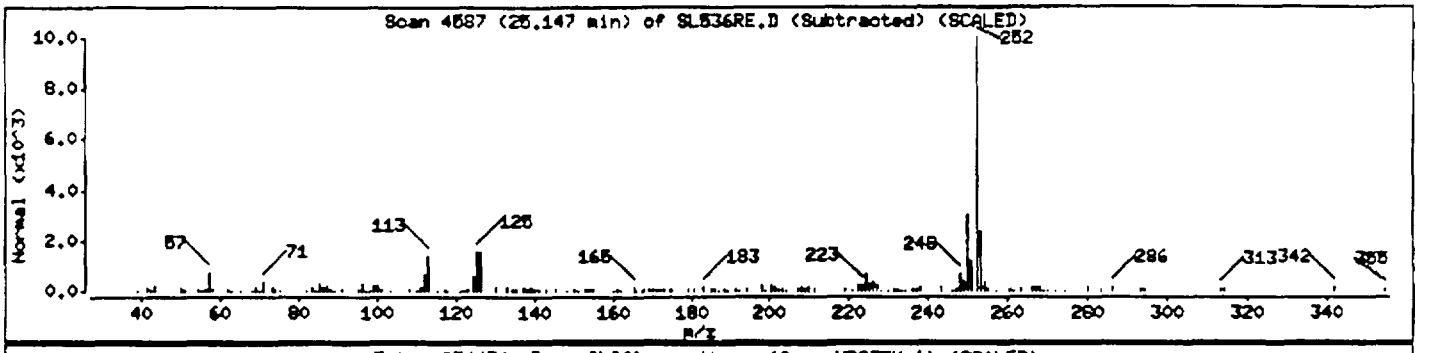
Volume Injected (uL): 2.0

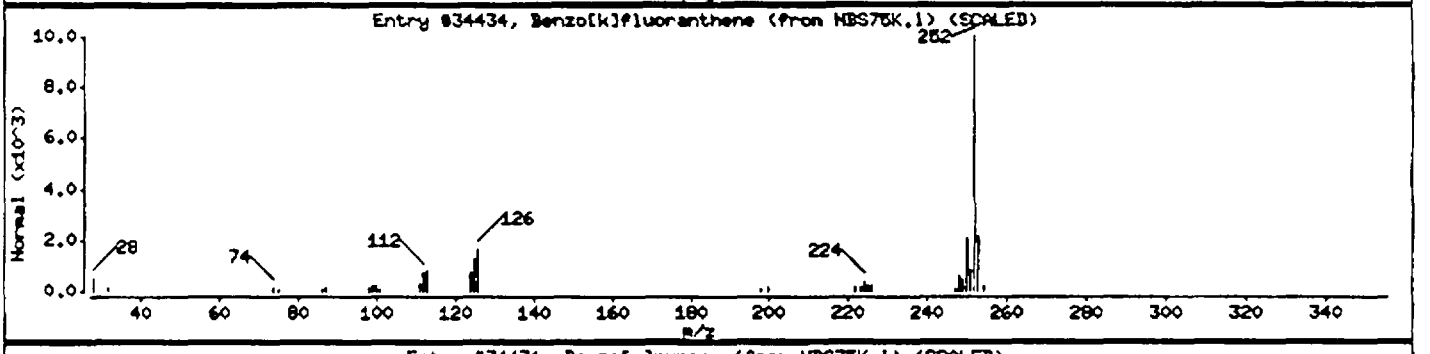
Operator: 001574

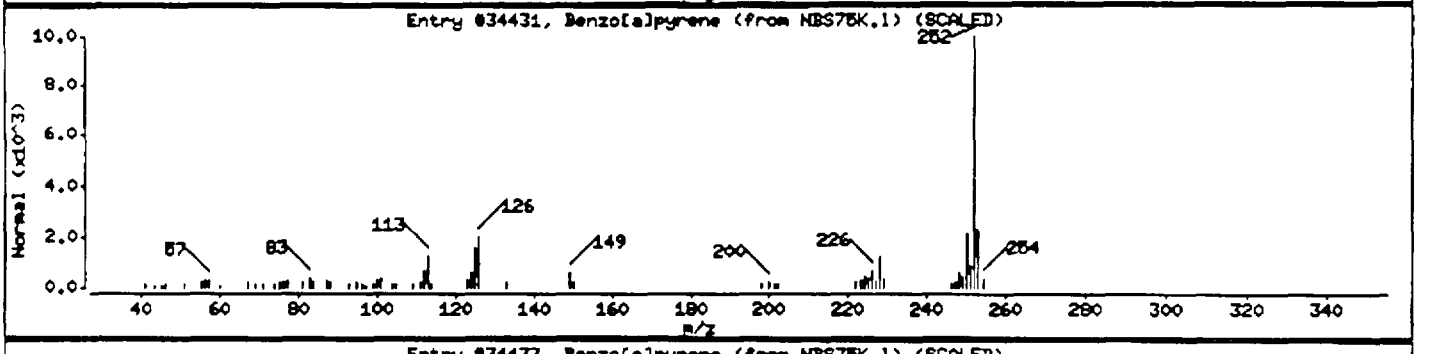
Column phase:

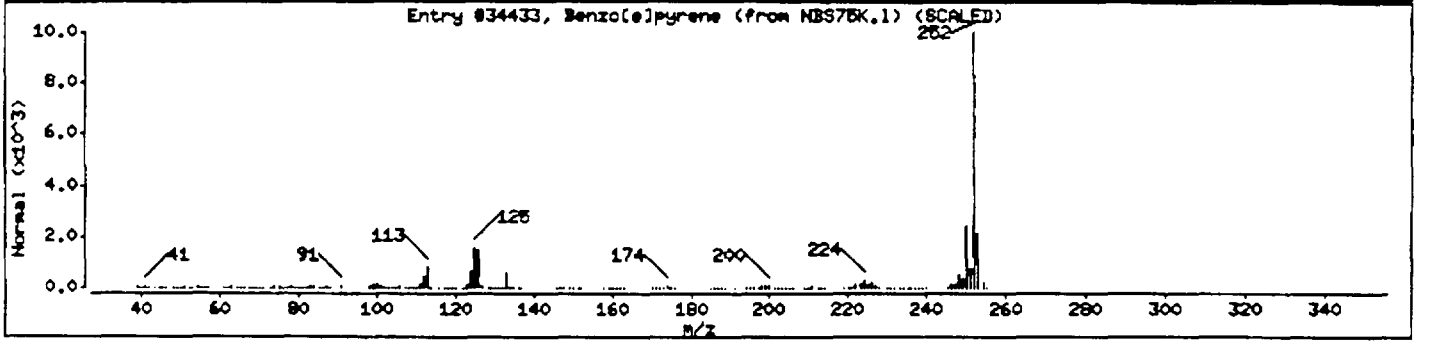
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[k]fluoranthene	207-08-9	NBS75K.1	34434	96	C20H12	252
Benzo[a]pyrene	50-32-8	NBS75K.1	34431	93	C20H12	252
Benzo[e]pyrene	192-97-2	NBS75K.1	34433	91	C20H12	252









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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31,1-clp90.sub

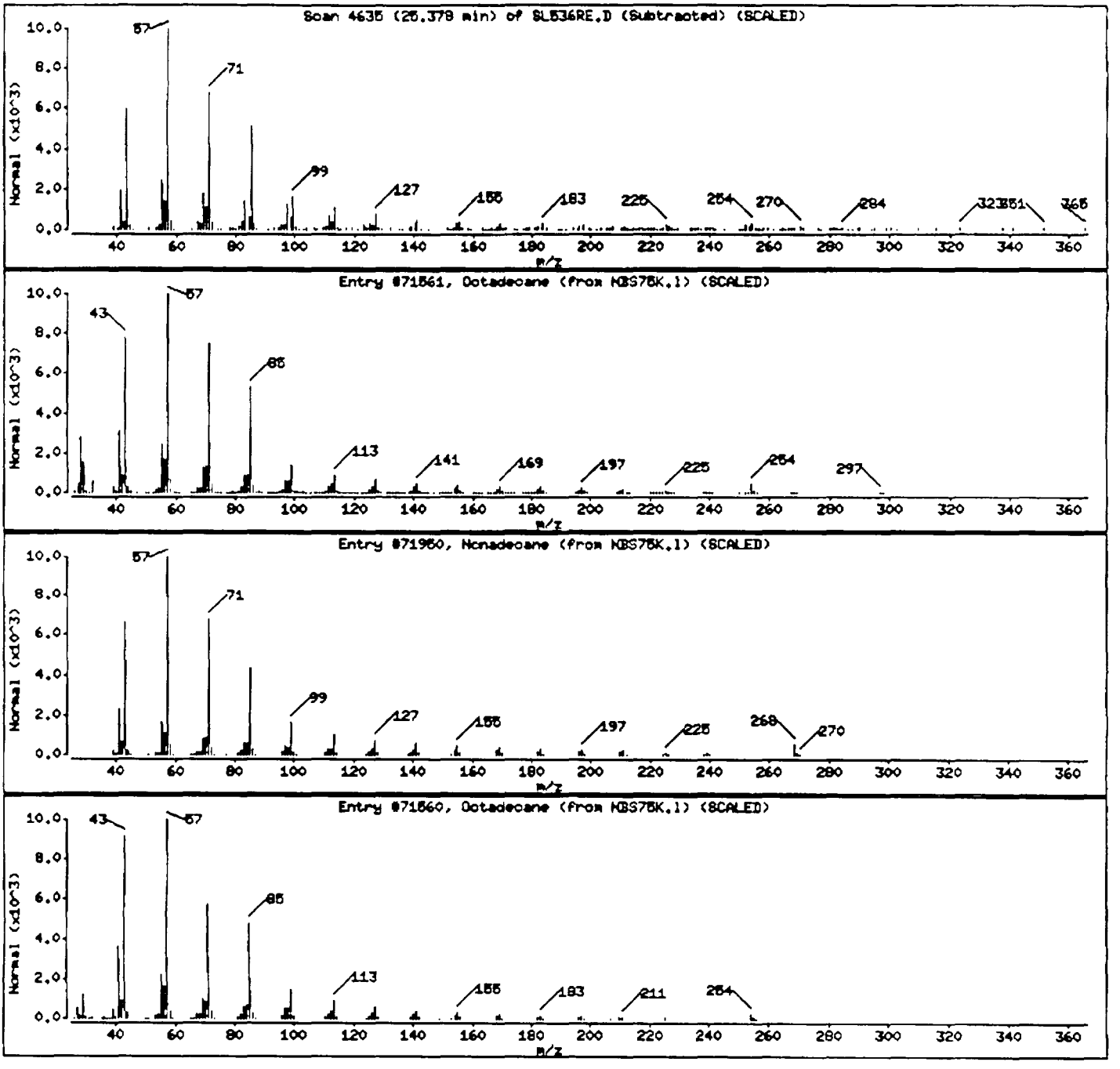
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	96	C18H38	254
Nonadecane	629-92-5	NBS75K.l	71950	95	C19H40	268
Octadecane	593-45-3	NBS75K.l	71560	94	C18H38	254



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

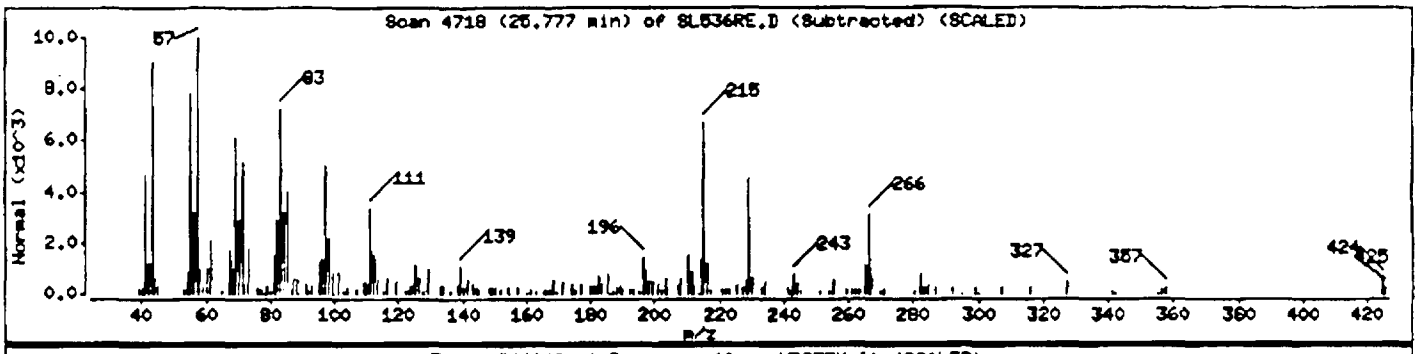
Volume Injected (uL): 2.0

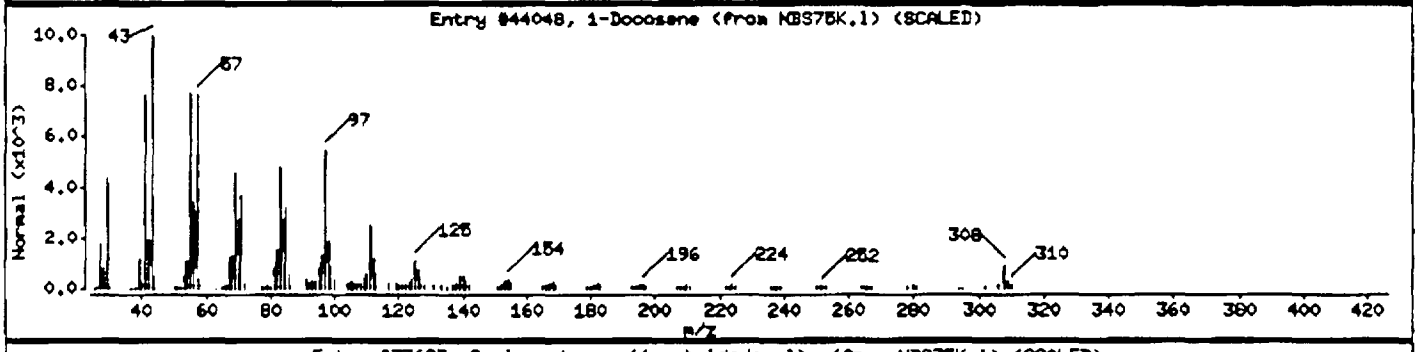
Operator: 001574

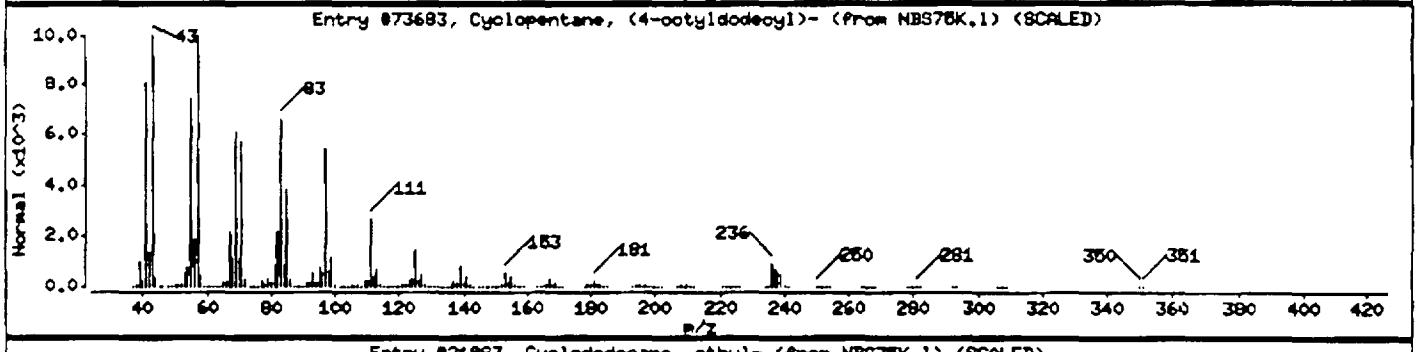
Column phase:

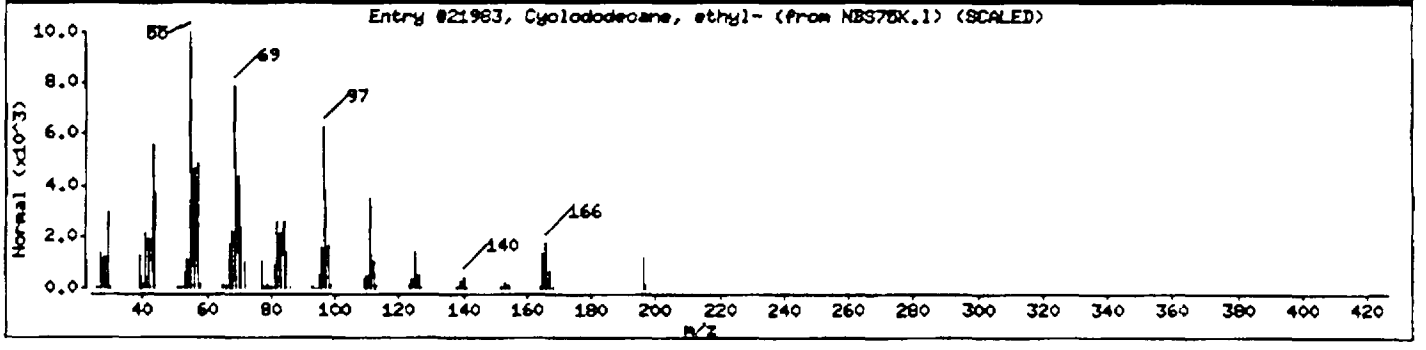
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Docosene	1599-67-3	NBS75K.l	44048	30	C22H44	308
Cyclopentane, (4-octyldodecyl)-	5638-09-5	NBS75K.l	73683	25	C25H50	350
Cyclododecane, ethyl-	28981-49-9	NBS75K.l	21983	25	C14H28	196









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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrmq20u,00929a,b,olp31,i-olp90,sub

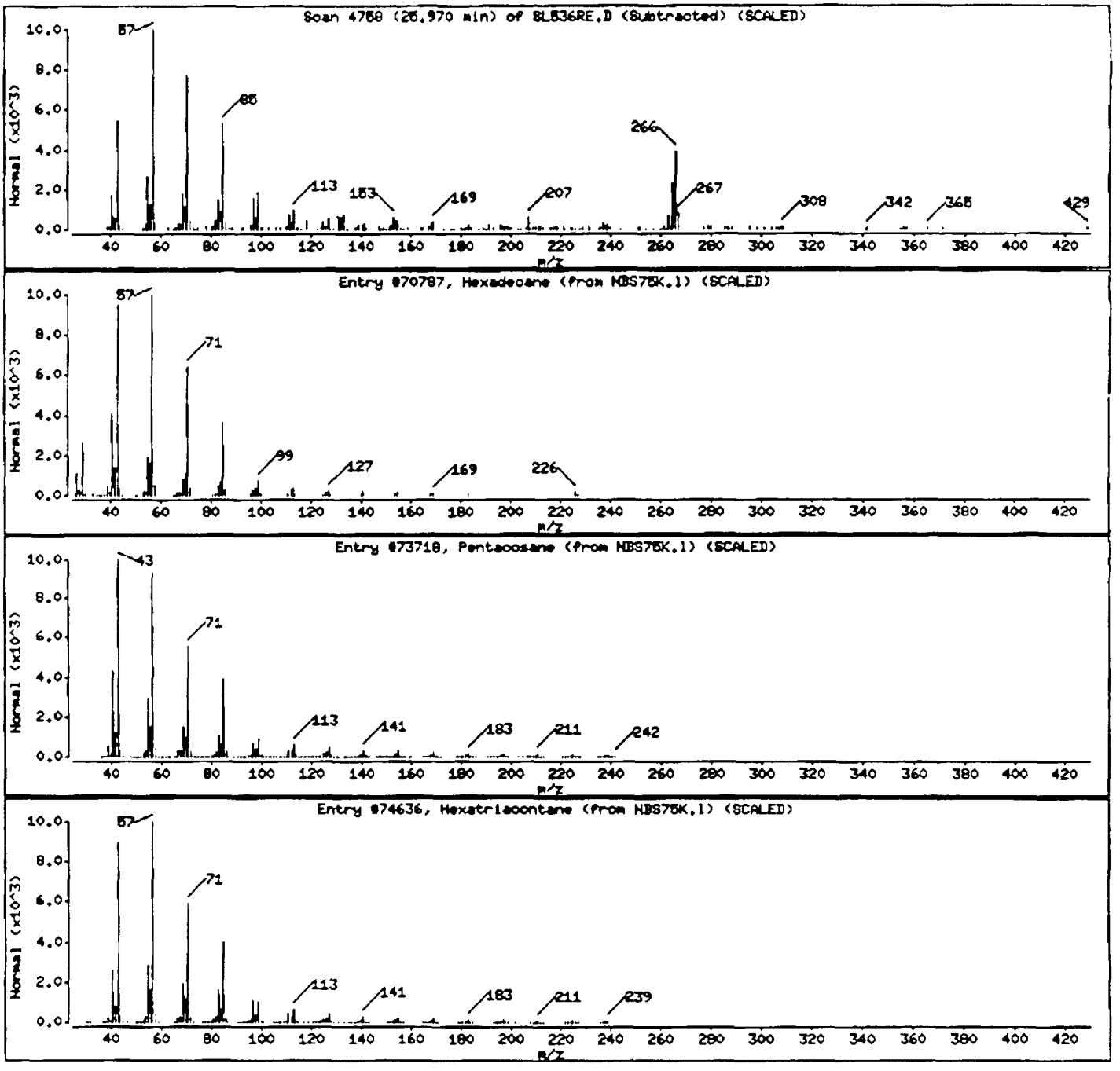
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.1	70787	92	C16H34	226
Pentacosane	629-99-2	NBS75K.1	73718	62	C25H52	352
Hexatriacontane	630-06-8	NBS75K.1	74636	62	C36H74	507



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

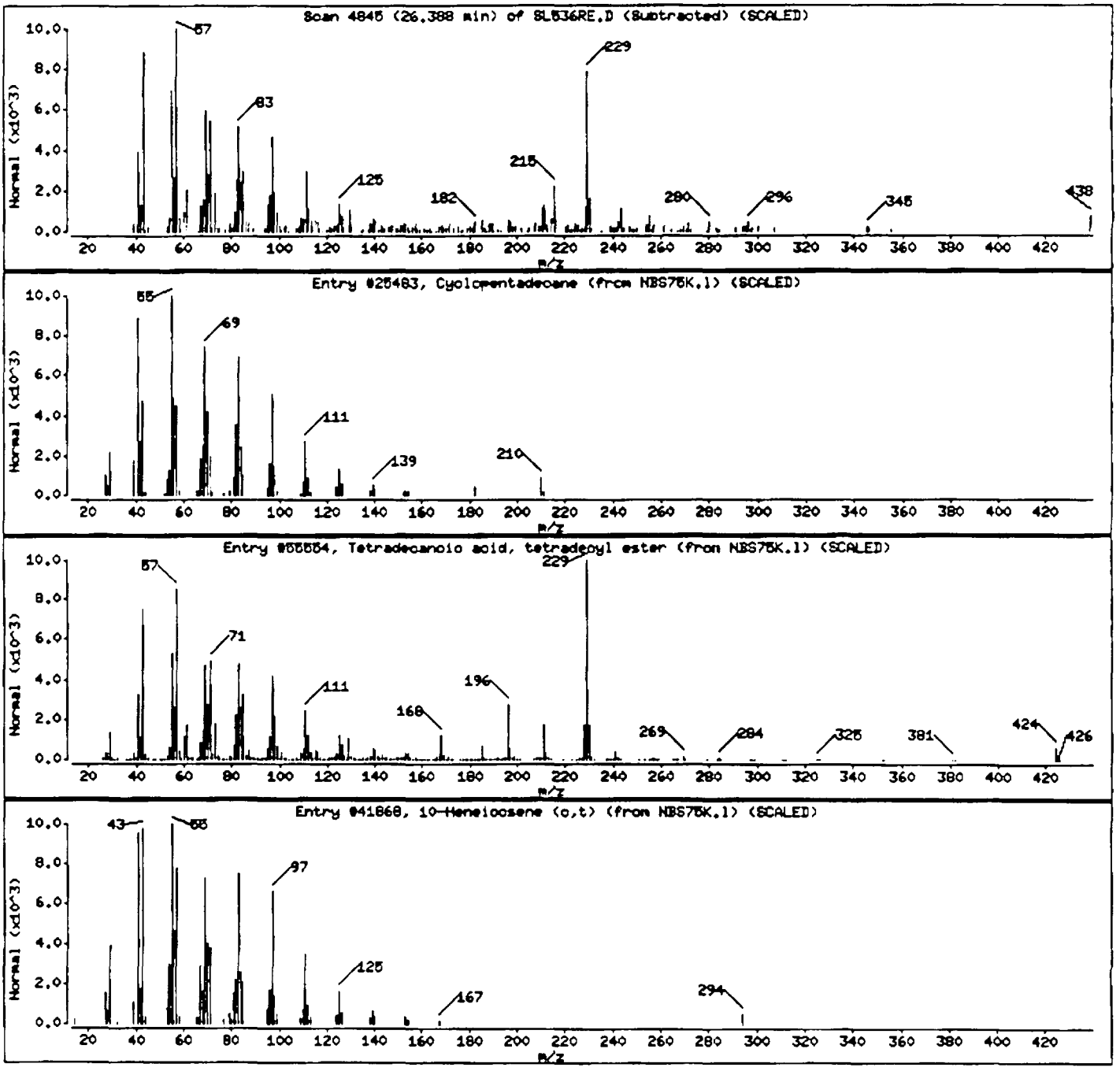
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Cyclopentadecane	295-48-7	NBS75K.l	25483	95	C15H30	210
Tetradecanoic acid, tetradecyl ester	3234-85-3	NBS75K.l	55554	83	C28H56O2	424
10-Heneicosene (c,t)	0-00-0	NBS75K.l	41868	51	C21H42	294



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

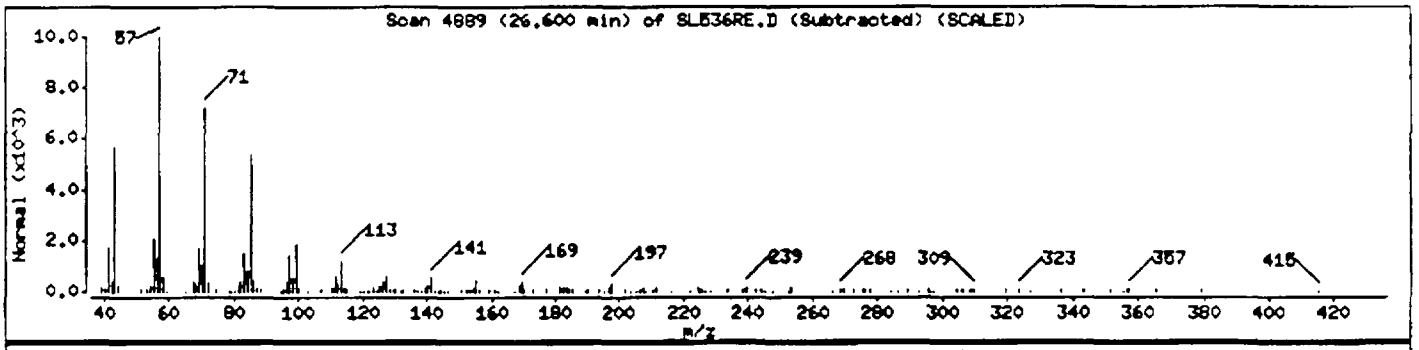
Volume Injected (uL): 2.0

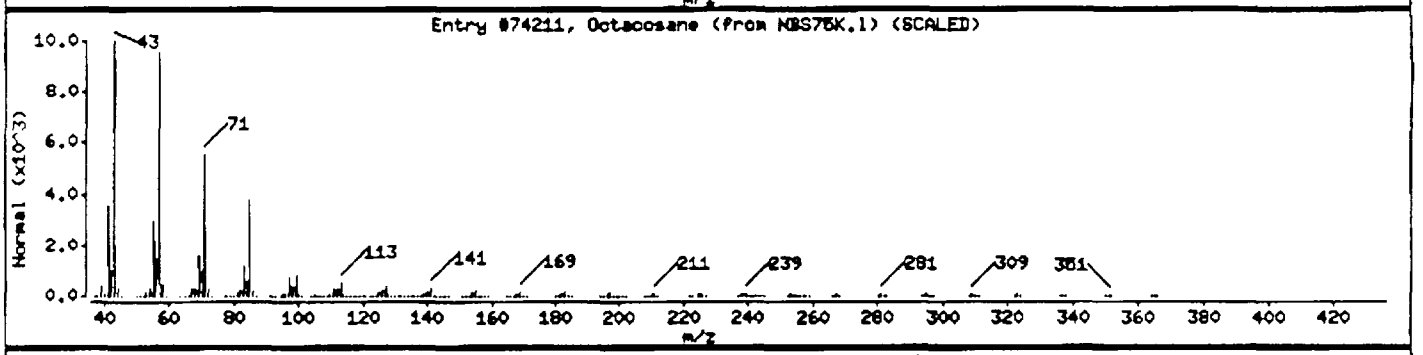
Operator: 001574

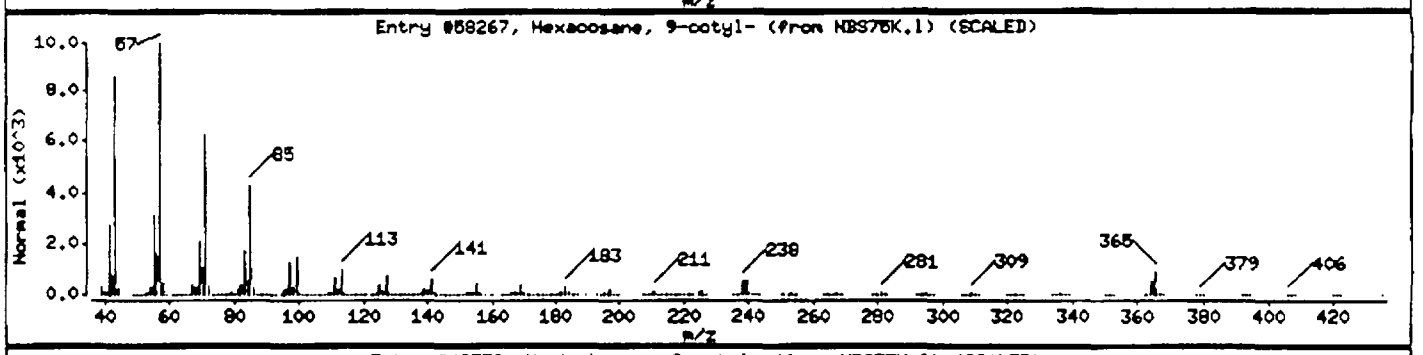
Column phase:

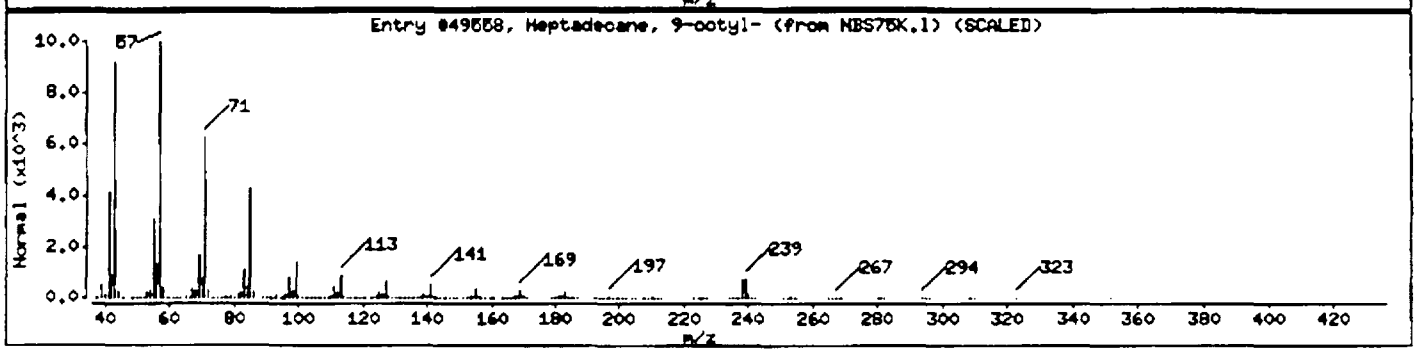
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octacosane	630-02-4	NBS75K.l	74211	91	C28H58	394
Hexacosane, 9-octyl-	55429-83-9	NBS75K.l	58267	91	C34H70	479
Heptadecane, 9-octyl-	7225-64-1	NBS75K.l	49558	91	C25H52	352









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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

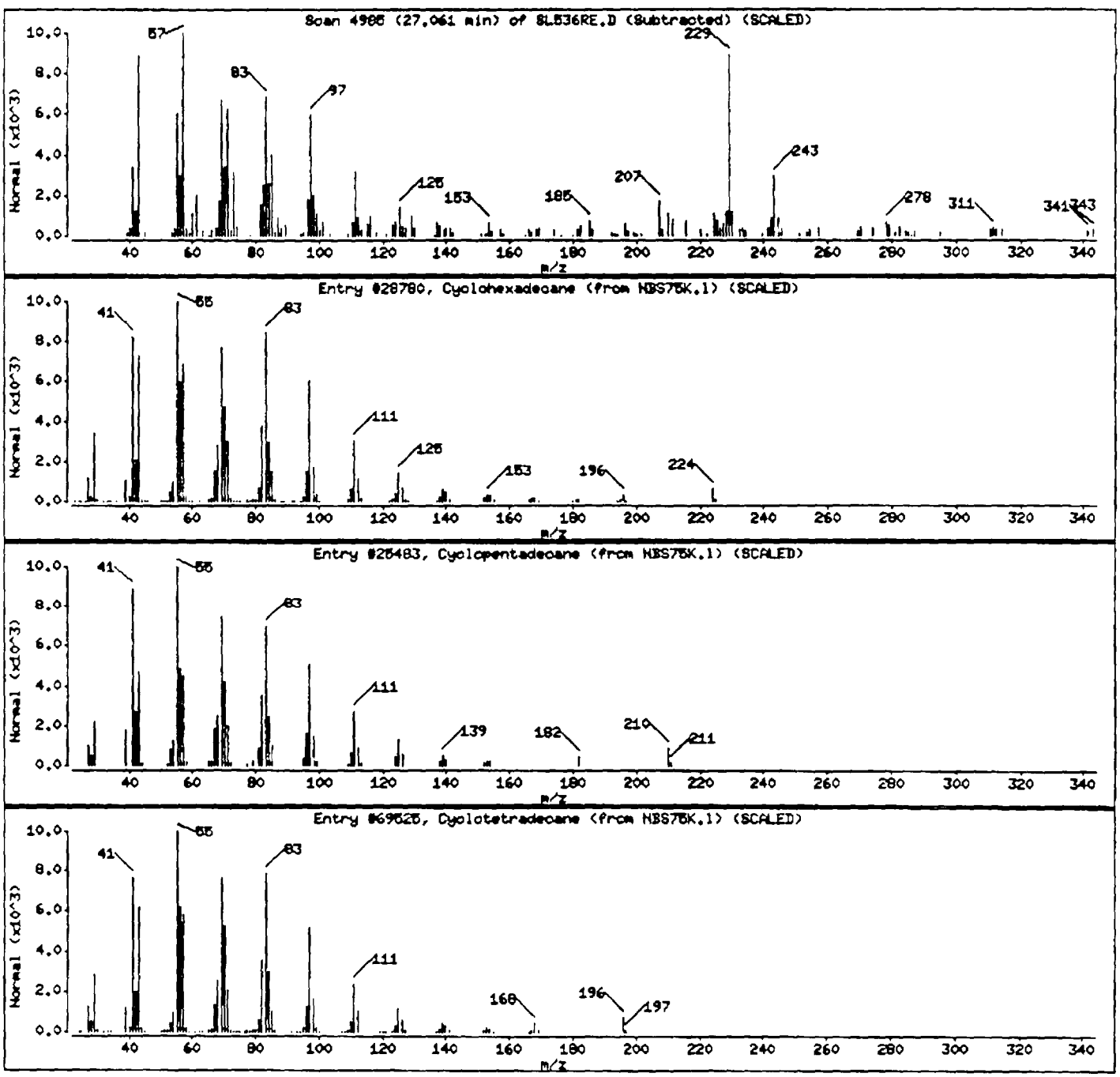
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Cyclohexadecane	296-65-8	NBS75K.1	28780	93	C16H32	224
Cyclopentadecane	296-48-7	NBS75K.1	25483	74	C15H30	210
Cyclotetradecane	296-17-0	NBS75K.1	69525	52	C14H28	196



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

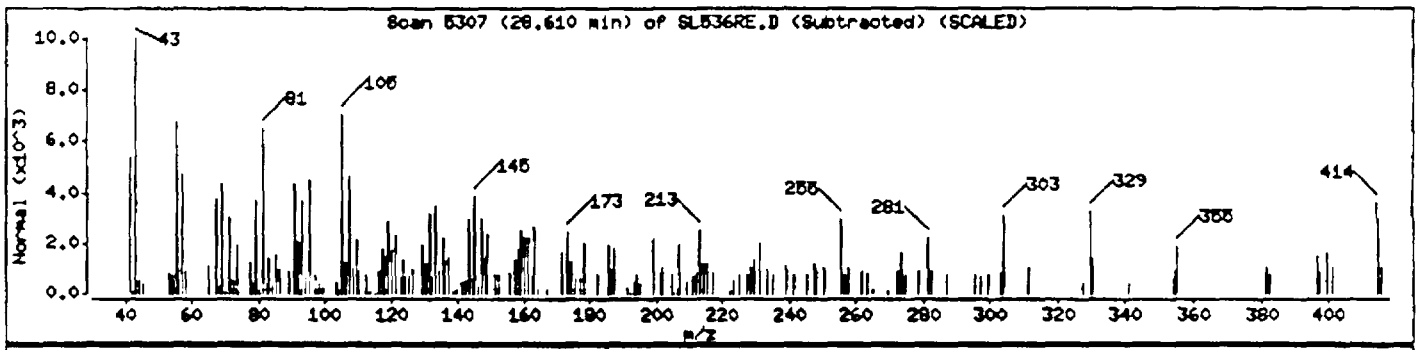
Volume Injected (uL): 2.0

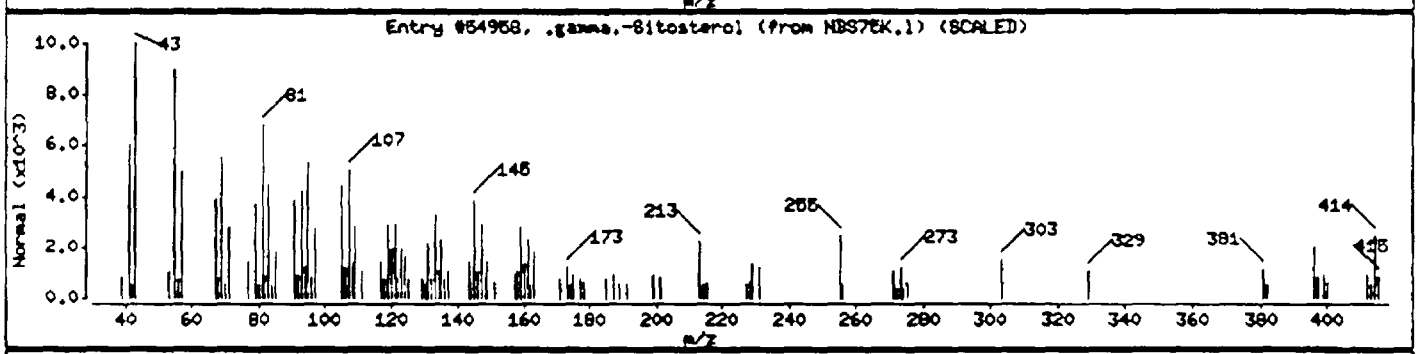
Operator: 001574

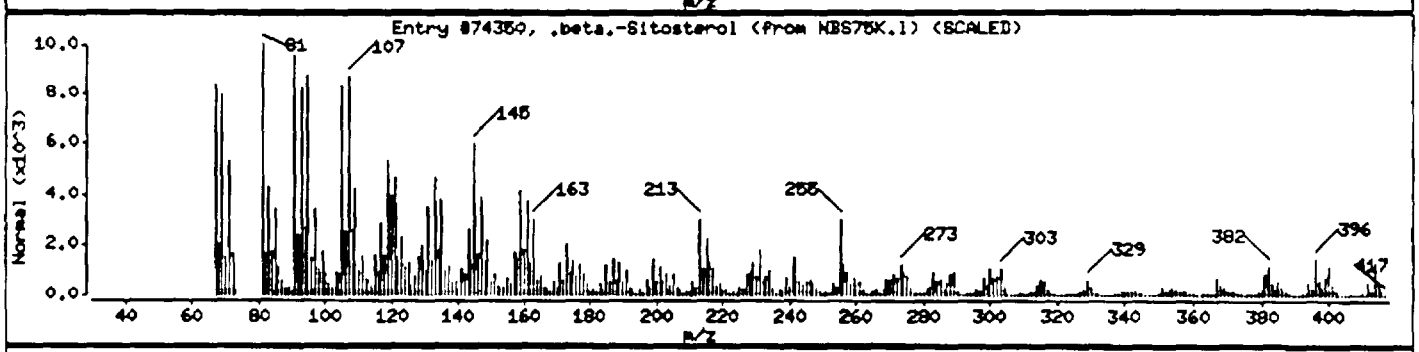
Column phase:

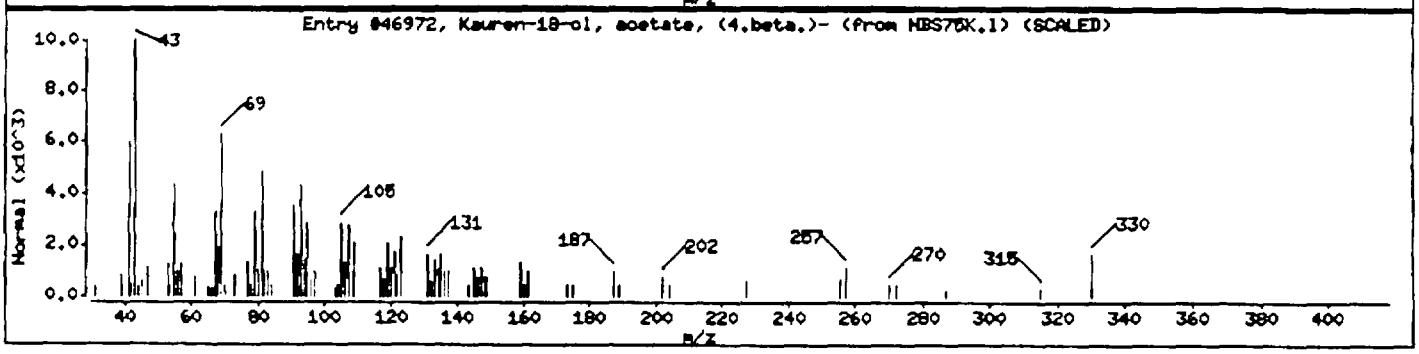
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.1	54958	64	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.1	74350	49	C29H500	414
Kauren-18-ol, acetate, (4.beta.)-	72150-74-4	NBS75K.1	46972	30	C22H3402	330









RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl) ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitrosodi-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethyl phthalate	430	U
7005-72-3	4-Chlorophenyl phenyl ether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl phenyl ether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	**Phenanthrene**	**66**	**J**
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butyl phthalate	430	U
206-44-0	**Fluoranthene**	**110**	**J**
129-00-0	**Pyrene**	**110**	**J**
85-68-7	Butyl benzyl phthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	**Benzo(a)anthracene**	**74**	**J**
218-01-9	**Chrysene**	**100**	**J**

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010J Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**4200**	**E**
117-84-0	Di-n-octyl phthalate	430	U
205-99-2	**Benzo(b)fluoranthene**	**120**	**J**
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(ghi)perylene	430	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

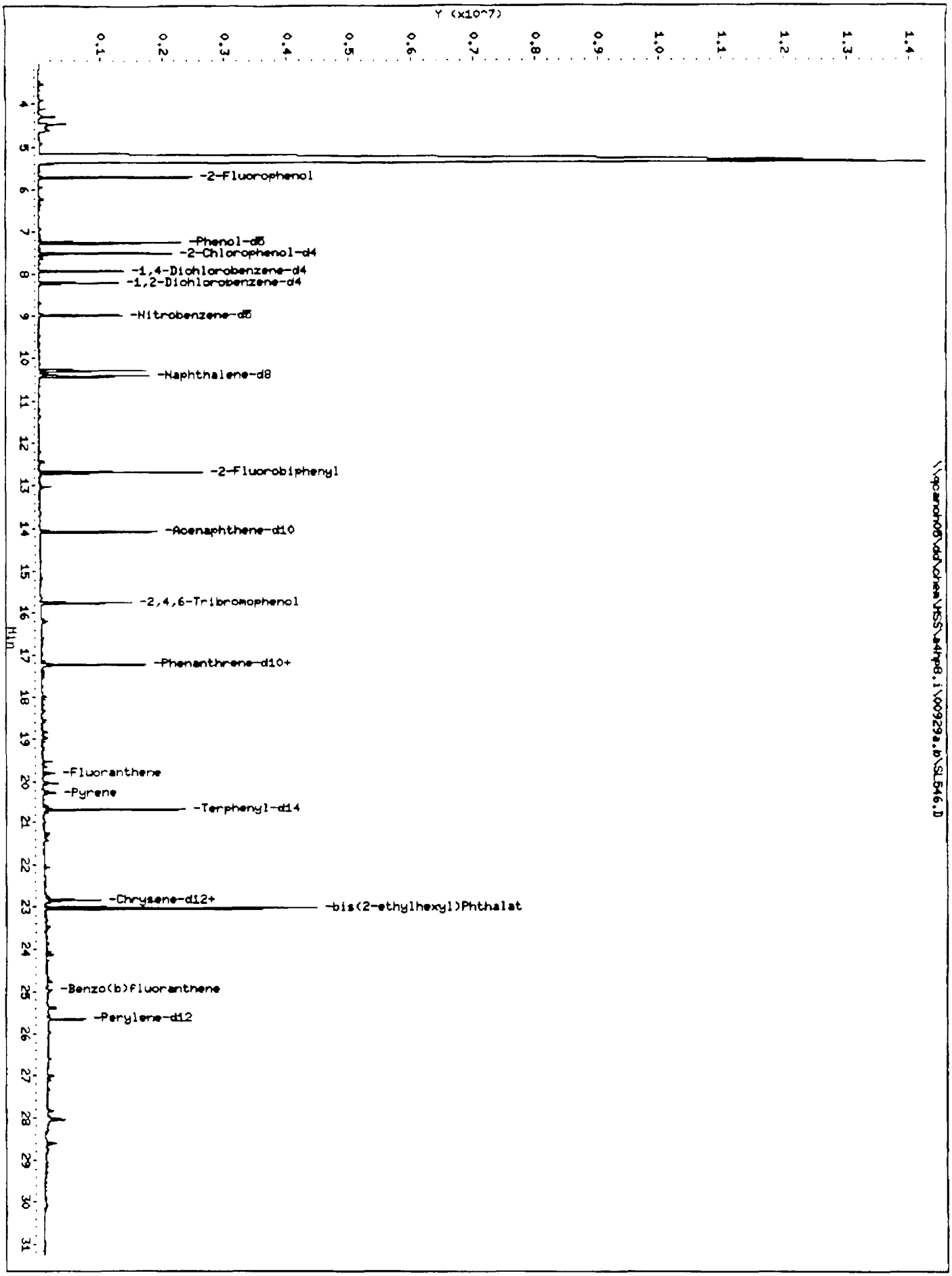
Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 24

QC Batch: 0249298

Client Sample Id: SL54-6"

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Hydrocarbon	16.202	92	J
	Unknown	18.962	92	J
	Unknown Aldol Condensate	5.3774	49000	JA
	Unknown	10.292	870	J
	Unknown	13.023	93	J
57-74-9	Chlordane	20.034	160	NJ
	Unknown	21.443	110	J
	Unknown Hydrocarbon	24.126	120	J
	Unknown Hydrocarbon	25.382	260	J
	Unknown	27.844	240	J
	Unknown	28.05	830	J
	Unknown	28.608	510	J
57-88-5	Cholesterol	27.007	180	NJ
	Unknown	27.103	130	J
	Unknown	27.324	120	J


Y (x10^7)
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
1.4
Min
-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+
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12+
-bis(2-ethylhexyl)Phthalat
-Benzo(b)fluoranthene
-Perylene-d12
\\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL546.D

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D
Lab Smp Id: DJRP010U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 03:31
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp010u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.100	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CN-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	305782	40.0000	
* 2 Naphthalene-d8	136	10.417	10.426	(1.000)	1238033	40.0000	
* 3 Acenaphthene-d10	164	14.081	14.095	(1.000)	706401	40.0000	
* 4 Phenanthrene-d10	188	17.226	17.240	(1.000)	1038911	40.0000	
* 5 Chrysene-d12	240	22.852	22.866	(1.000)	521019	40.0000	
* 6 Perylene-d12	264	25.656	25.665	(1.000)	371526	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.					

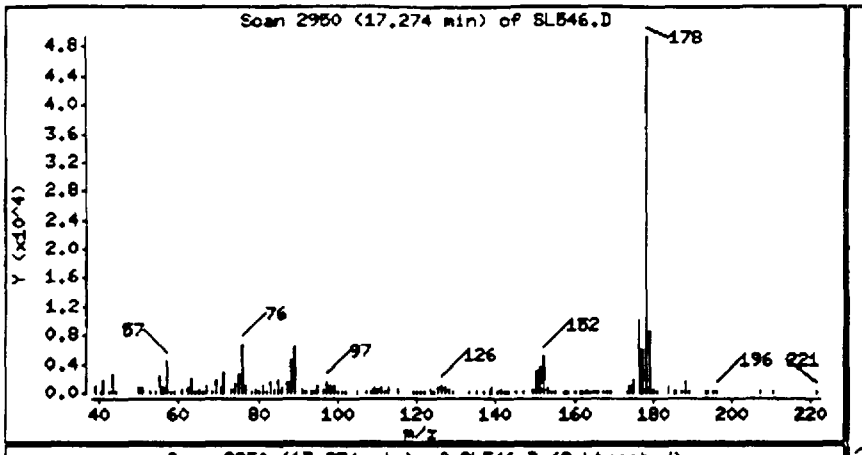
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	17.274	17.293	(1.003)	78133	3.01611	50(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.798	19.813	(1.149)	130404	5.22948	87(a)
59 Pyrene	202	20.270	20.289	(0.887)	93778	5.10698	85(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

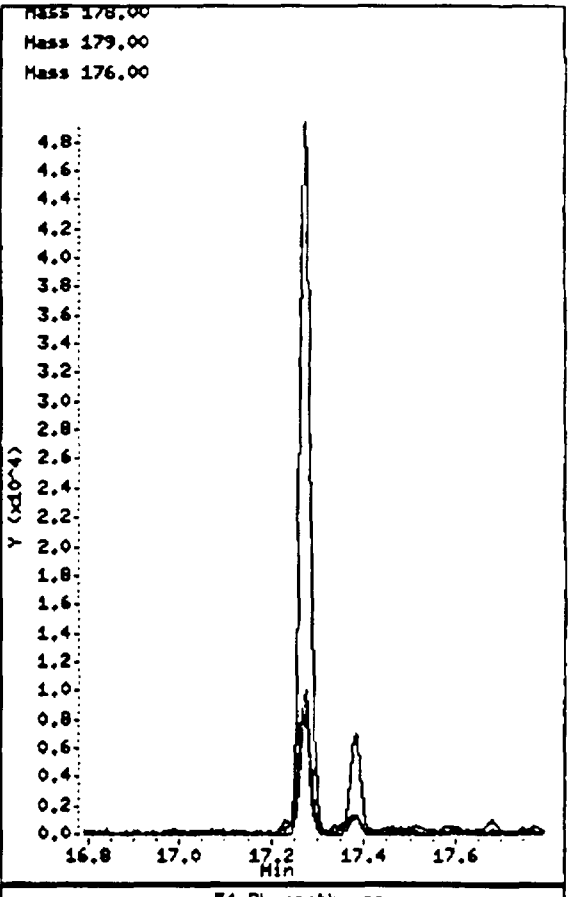
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	22.828	22.842	(0.999)	47940	3.39647	56(aH)
63 Chrysene	228	22.900	22.919	(1.002)	62295	4.58787	76(a)
64 bis(2-ethylhexyl)Phthalate	149	23.040	23.039	(1.008)	1926869	194.098	3200
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.958	24.977	(0.973)	72078	5.50345	91(a)
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	8.988	8.998	(0.863)	728883	57.7109	960
$ 73 2-Fluorobiphenyl	172	12.691	12.696	(0.901)	1336919	69.7516	1200
$ 74 Terphenyl-d14	244	20.679	20.683	(0.905)	1383613	109.367	1800
$ 75 Phenol-d5	99	7.267	7.262	(0.915)	1355580	99.2548	1600
$ 76 2-Fluorophenol	112	5.714	5.670	(0.720)	935315	92.3374	1500
$ 77 2,4,6-Tribromophenol	330	15.754	15.764	(0.915)	289455	122.158	2000(Q)
$ 78 2-Chlorophenol-d4	132	7.522	7.517	(0.947)	896005	100.104	1700(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.219	8.223	(1.035)	289218	47.4613	790

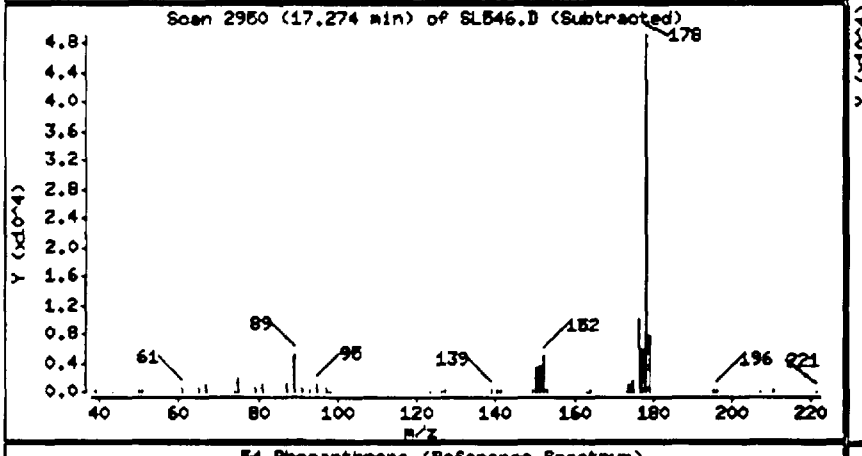
QC Flag Legend

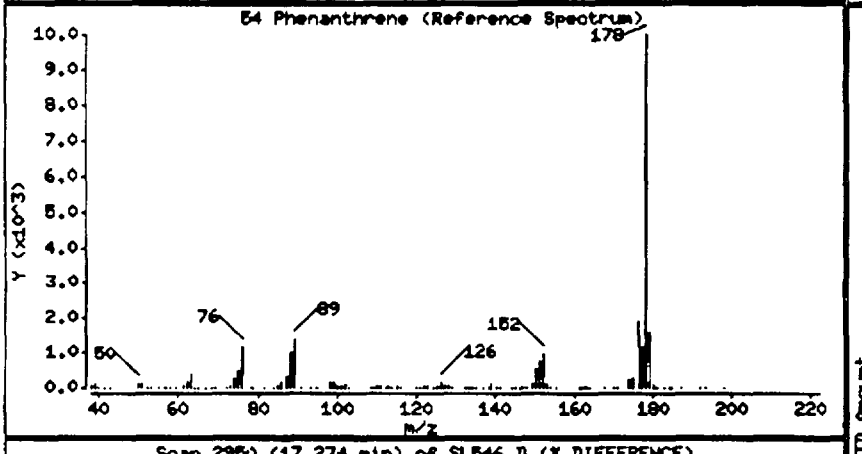
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

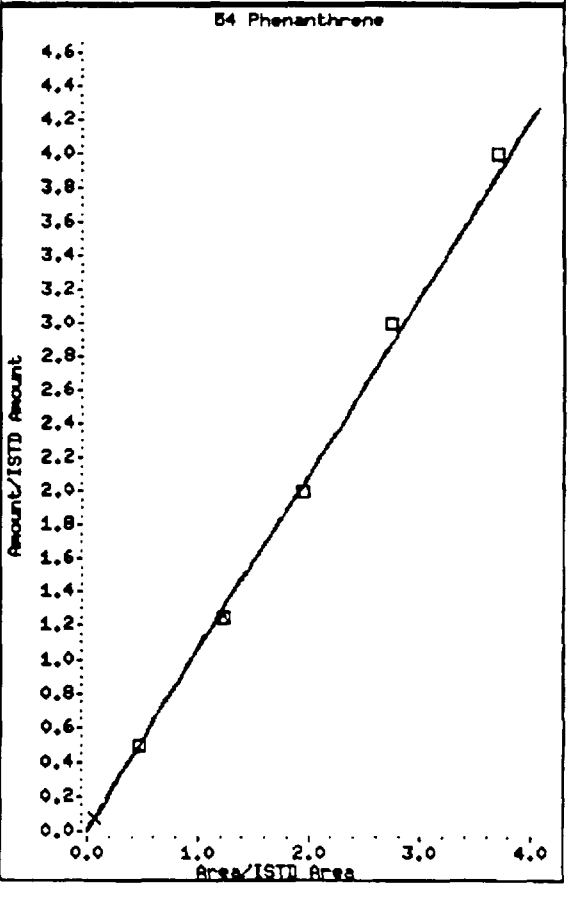
B4 Phenanthrene

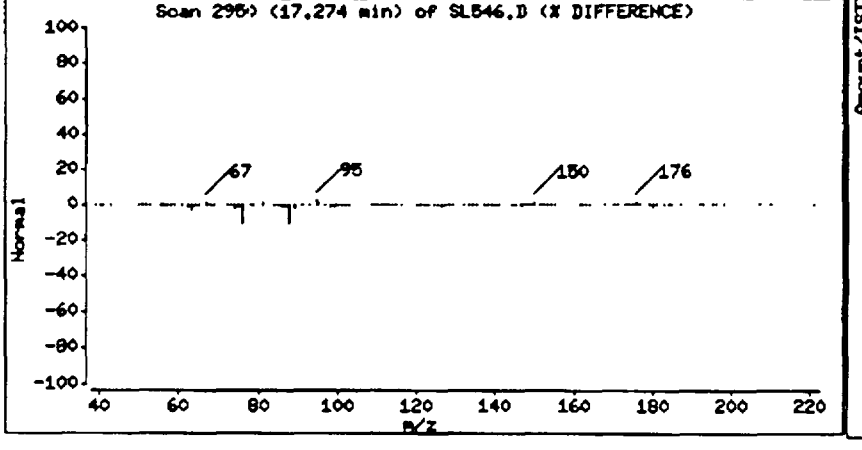




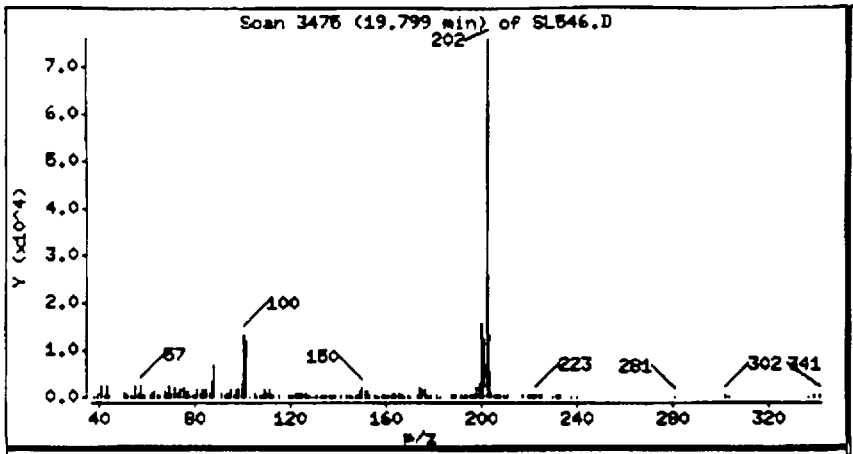


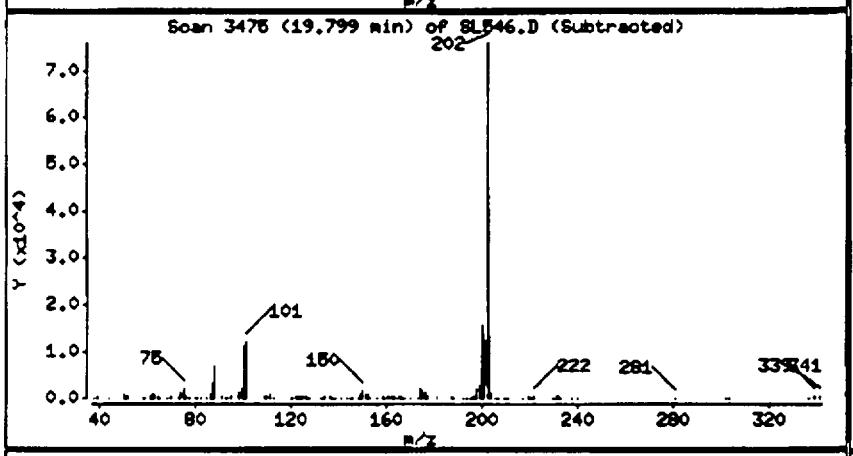


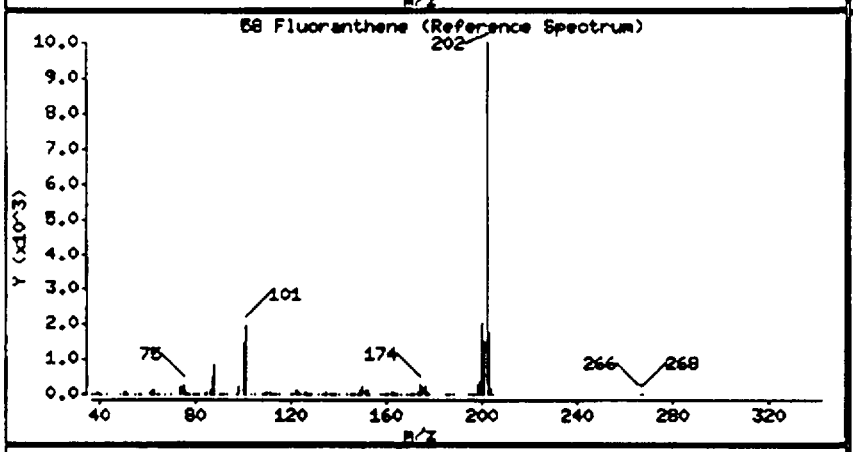


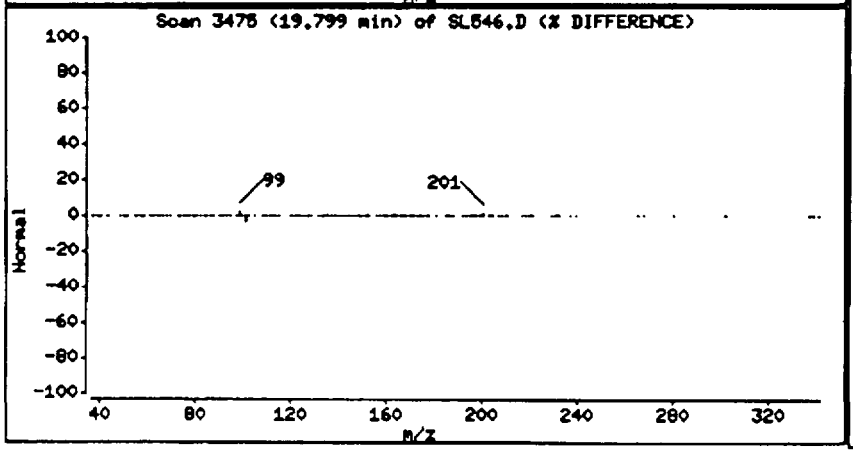


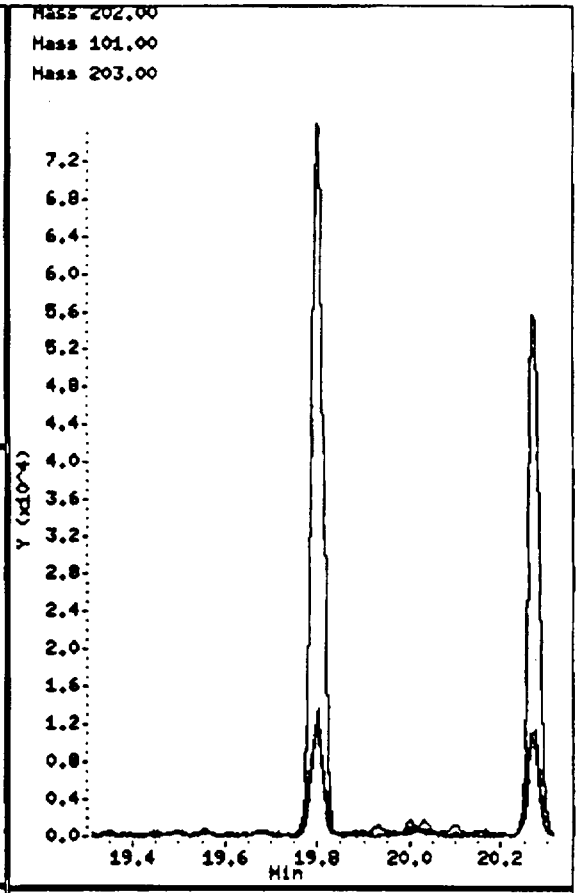
58 Fluoranthene

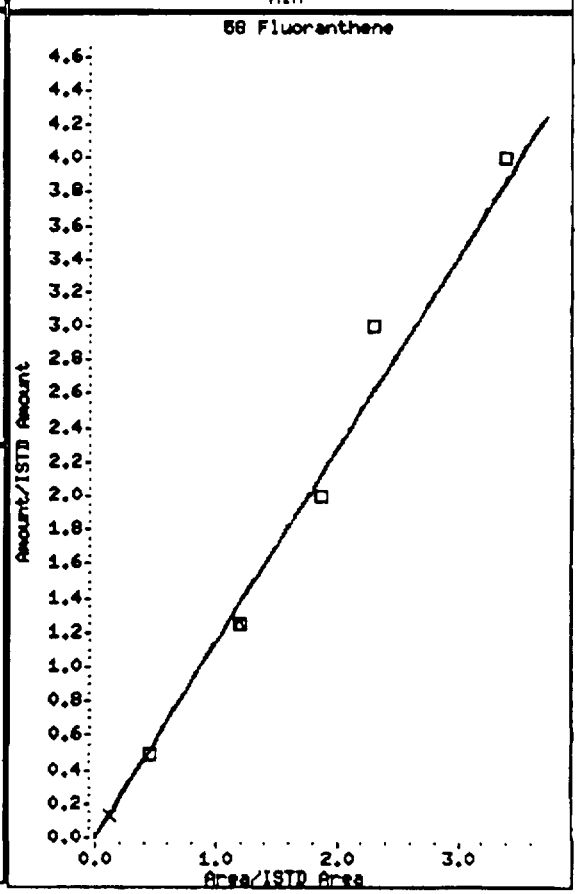




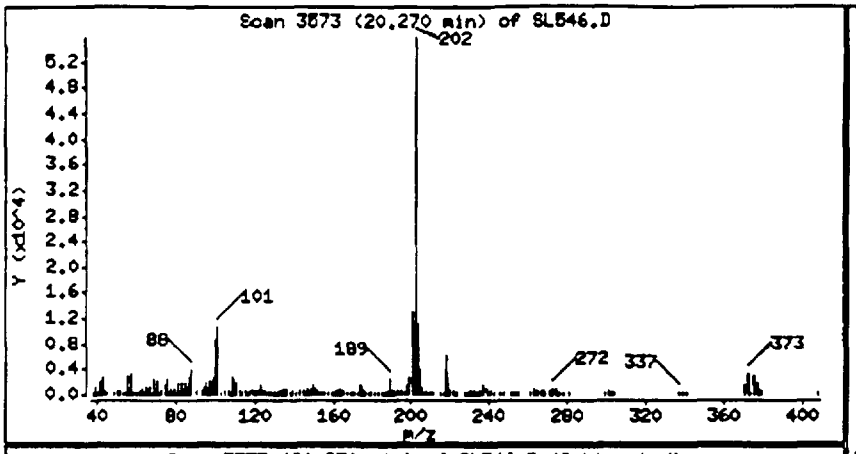


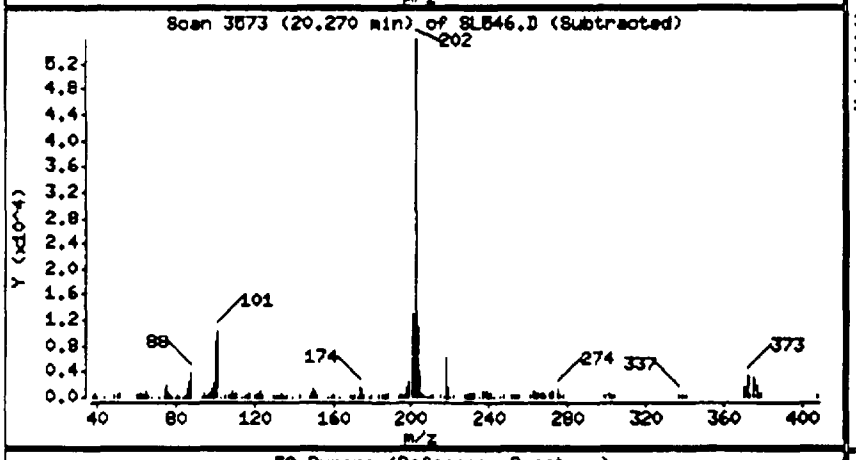


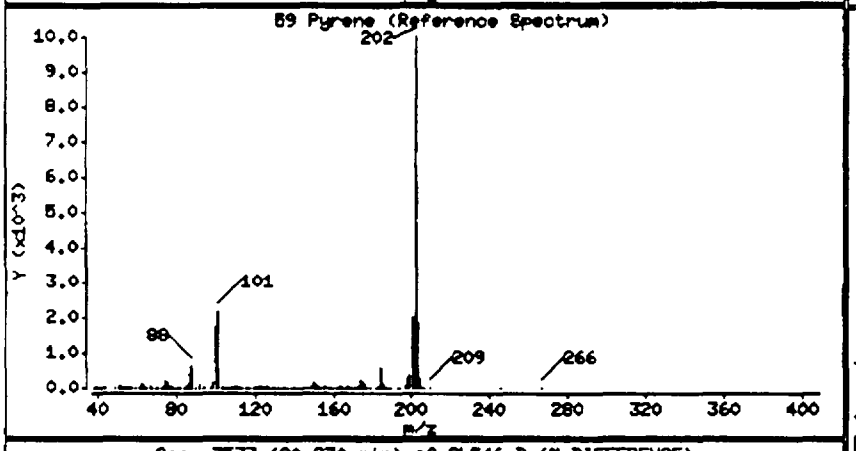


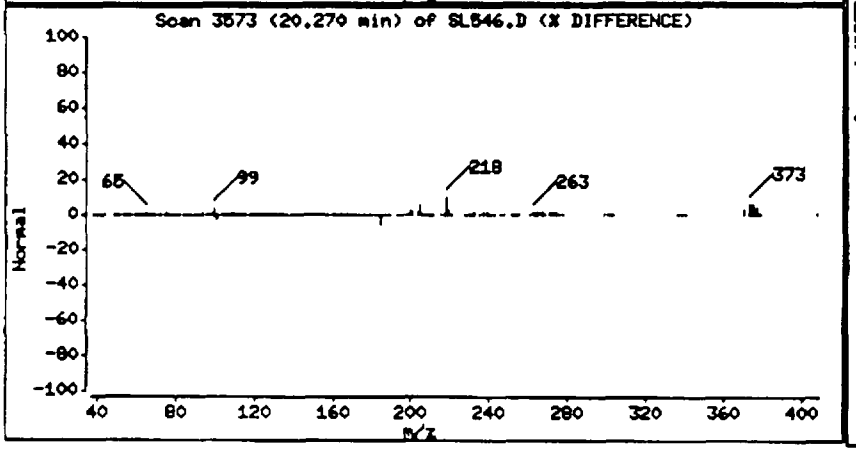


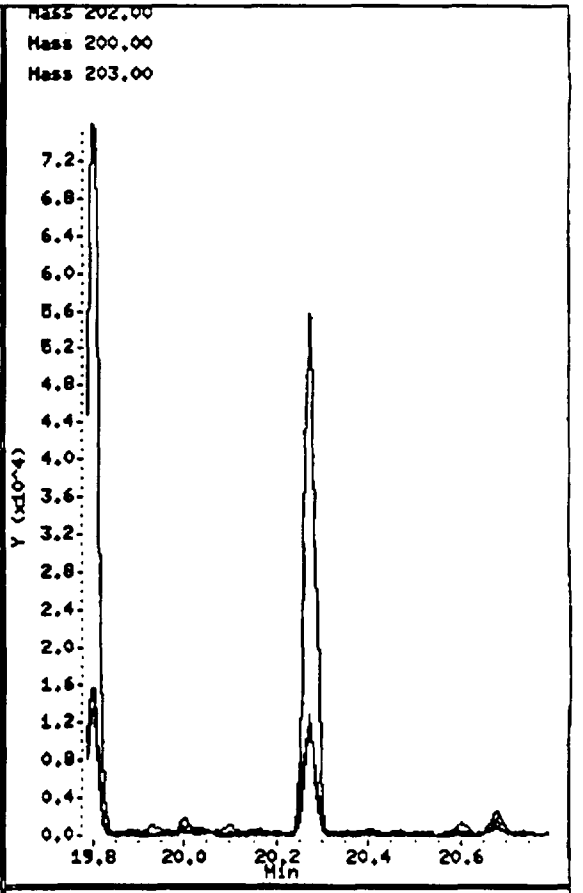
59 Pyrene

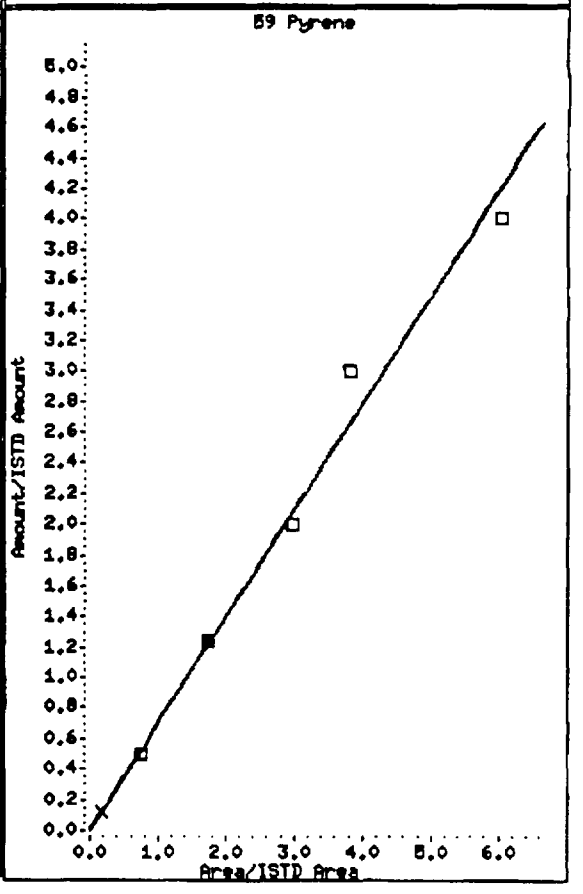

Scan 3573 (20.270 min) of SL546.D
202
101
88
189
272
337
373
Y (x10^4)
m/z


Scan 3573 (20.270 min) of SL546.D (Subtracted)
202
101
88
174
274
337
373
Y (x10^4)
m/z

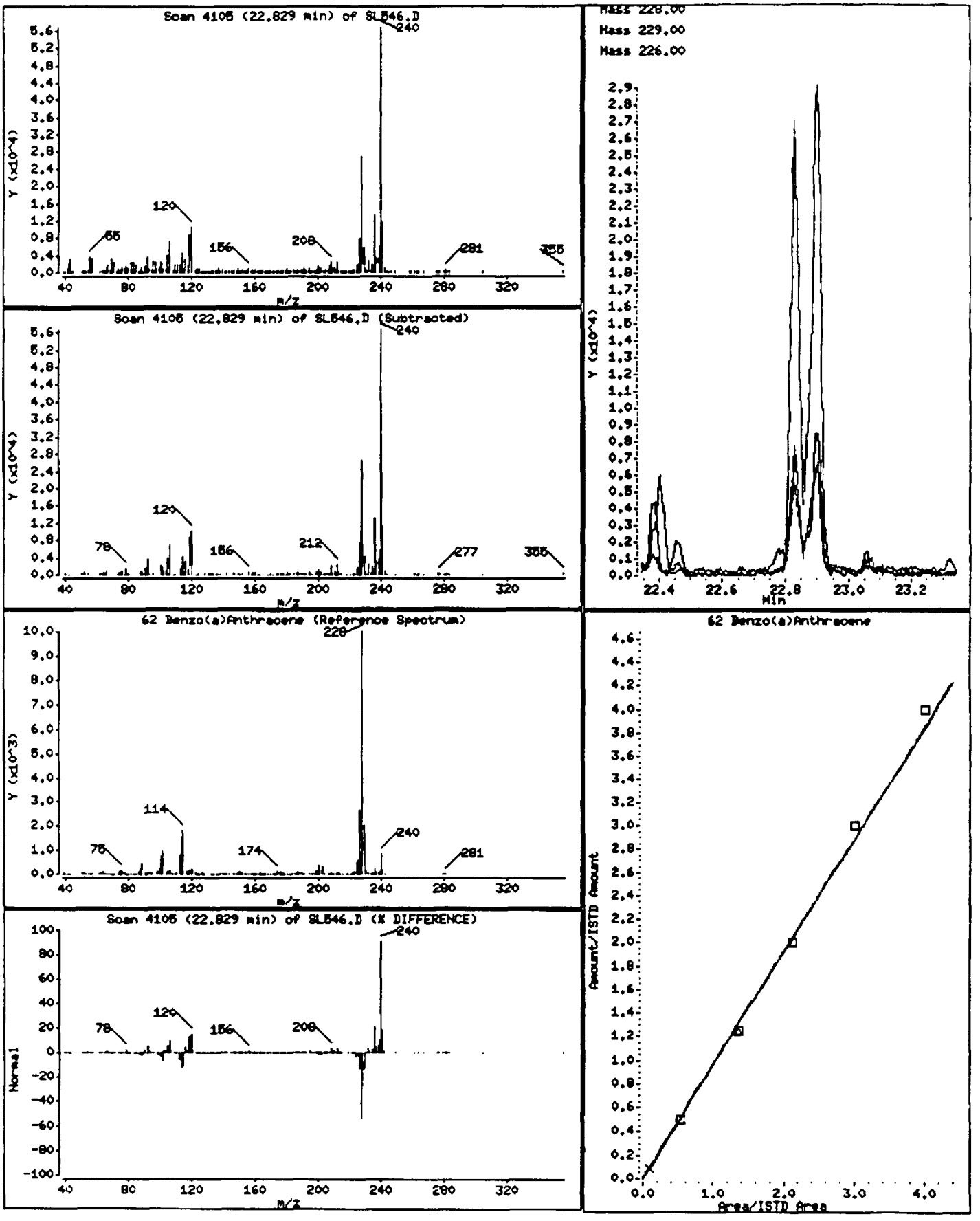

59 Pyrene (Reference Spectrum)
202
101
88
209
266
Y (x10^3)
m/z


Scan 3573 (20.270 min) of SL546.D (% DIFFERENCE)
65
99
218
263
373
Normal
m/z

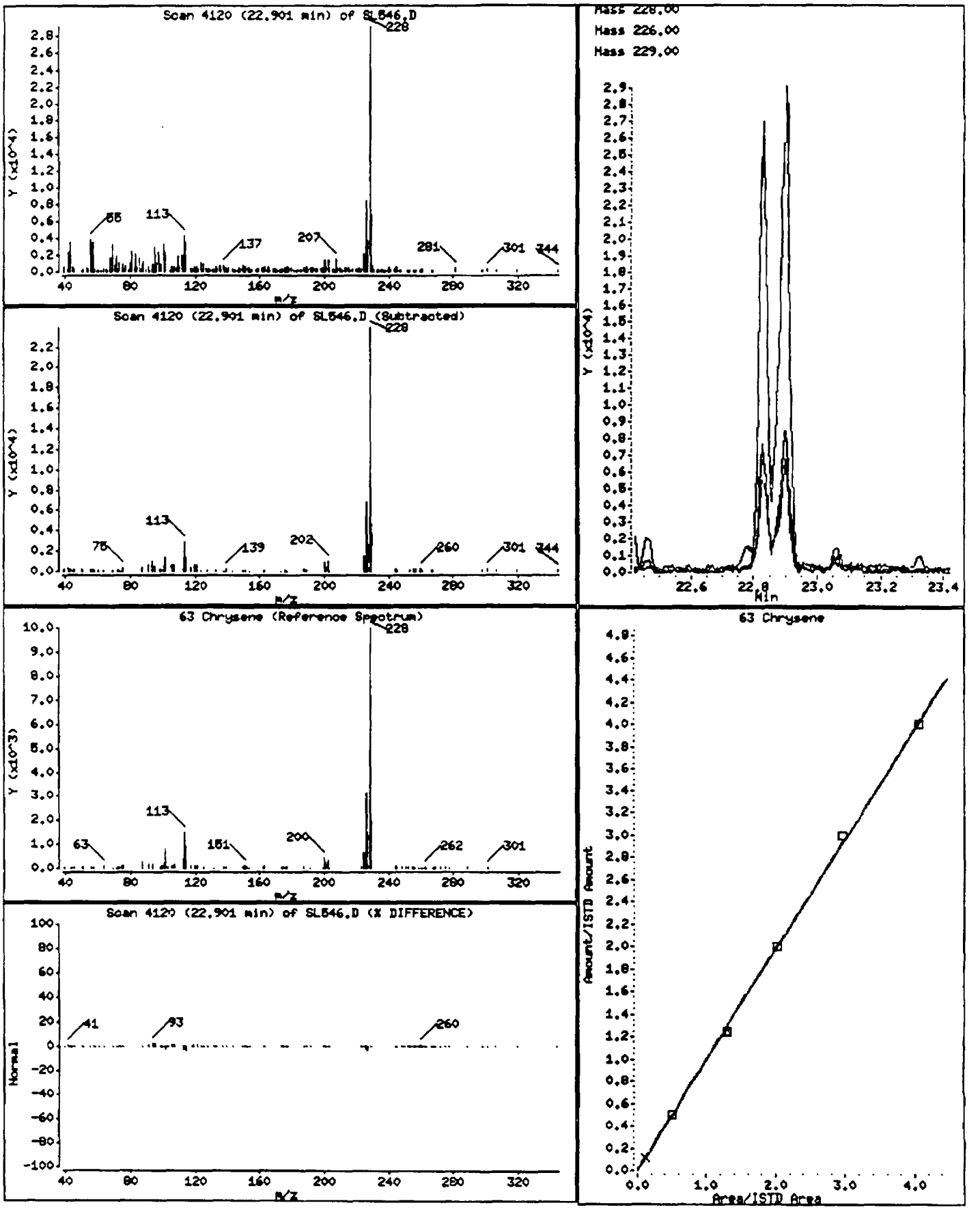

Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^4)
Min


59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

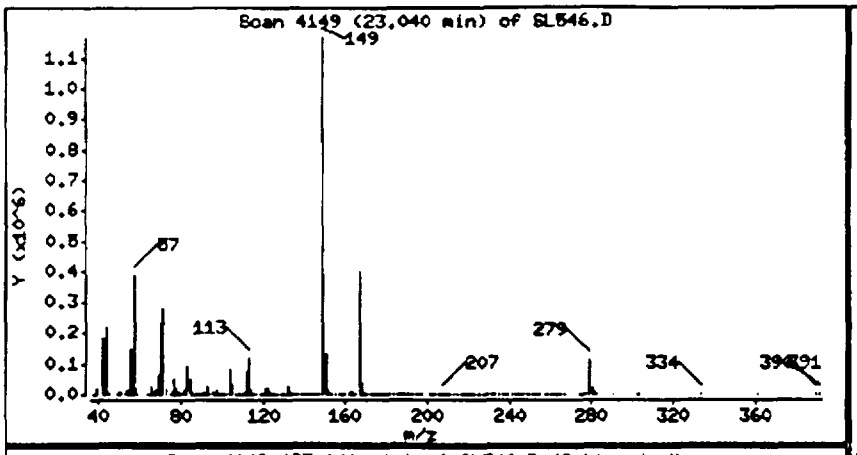
62 Benzo(a)Anthracene

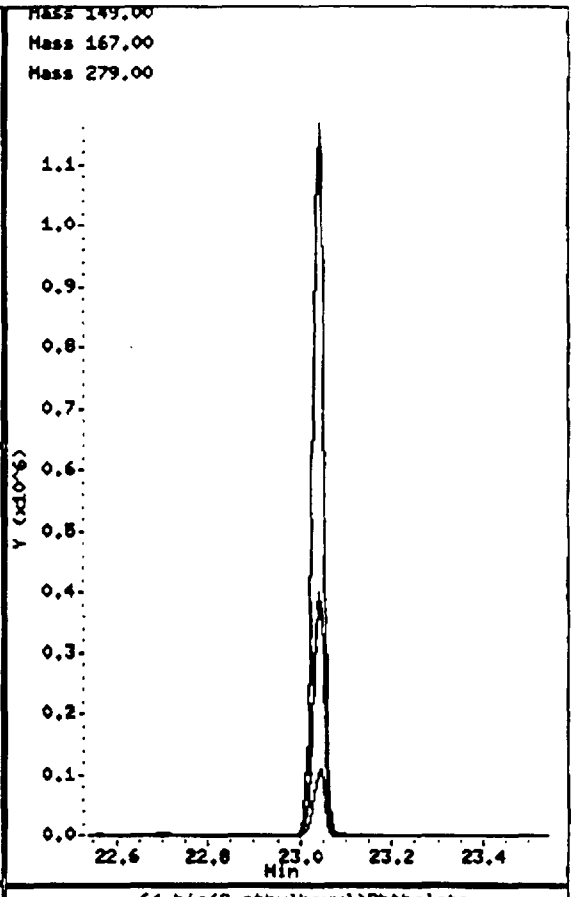


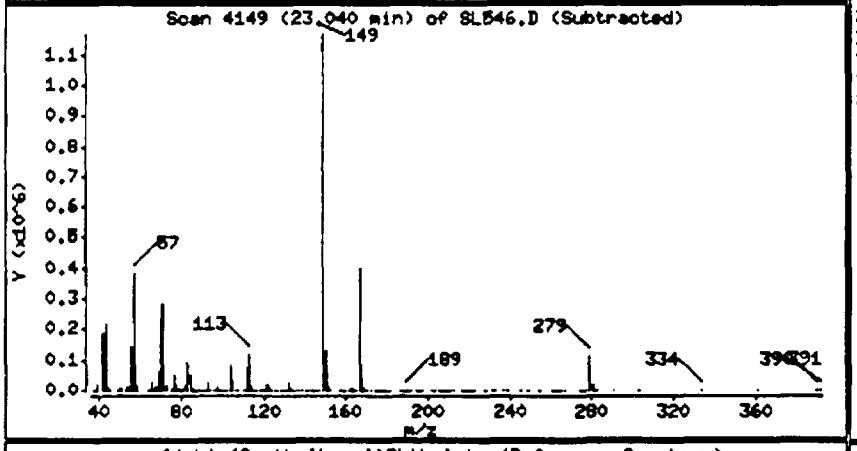
63 Chrysene

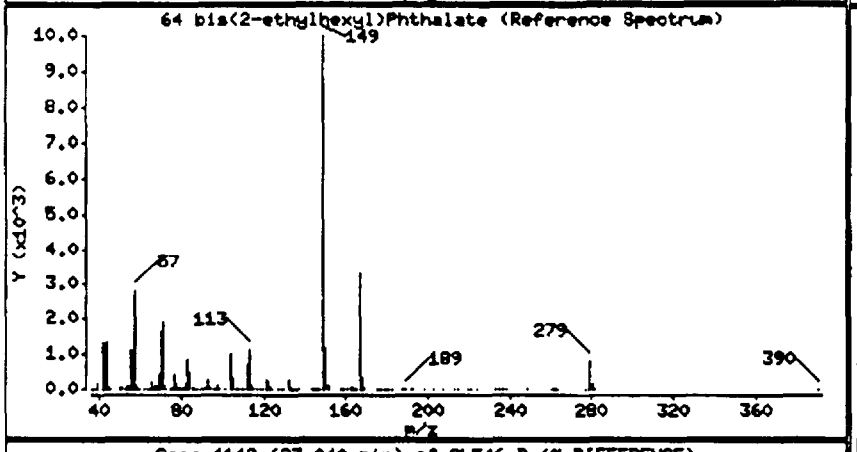

Scan 4120 (22.901 min) of SL546.D
228
55
113
137
207
281
301
344
Y (x10^4)
m/z
Scan 4120 (22.901 min) of SL546.D (Subtracted)
228
75
113
139
202
260
301
344
Y (x10^4)
m/z
63 Chrysene (Reference Spectrum)
228
63
113
151
200
262
301
Y (x10^3)
m/z
Scan 4120 (22.901 min) of SL546.D (% DIFFERENCE)
41
93
260
Normal
m/z
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^4)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

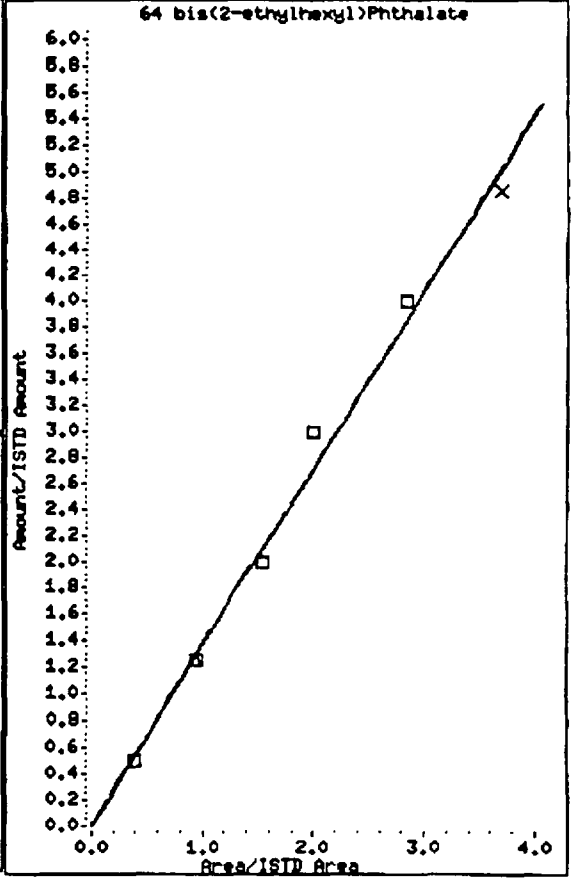
64 bis(2-ethylhexyl)Phthalate

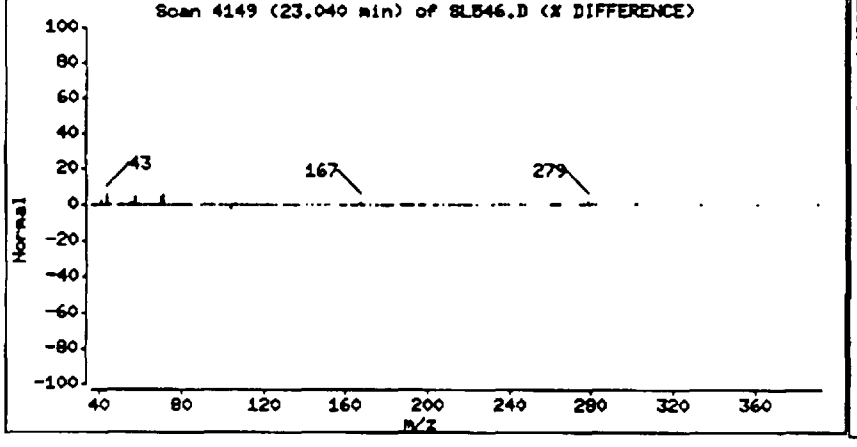




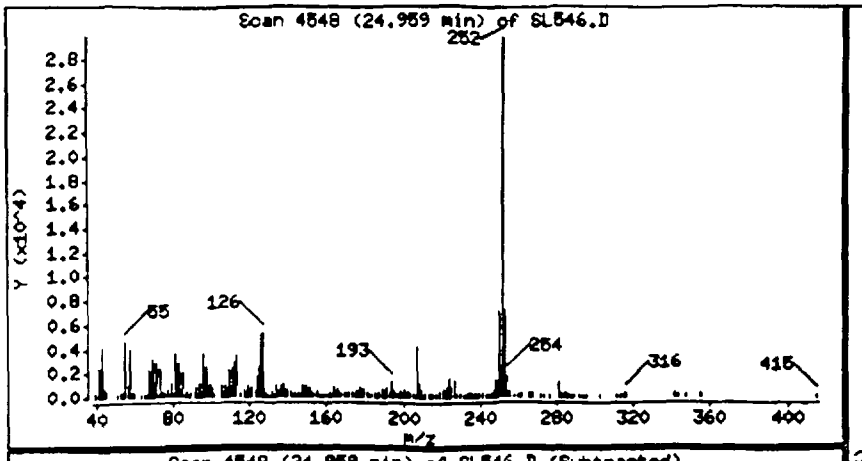


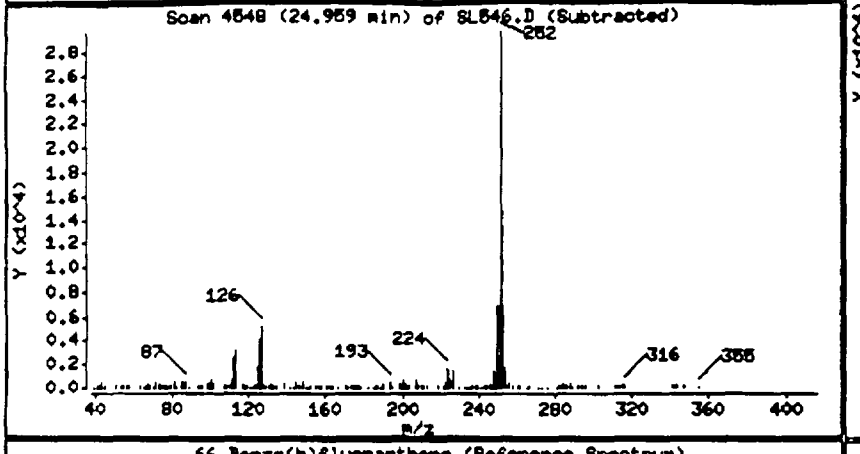


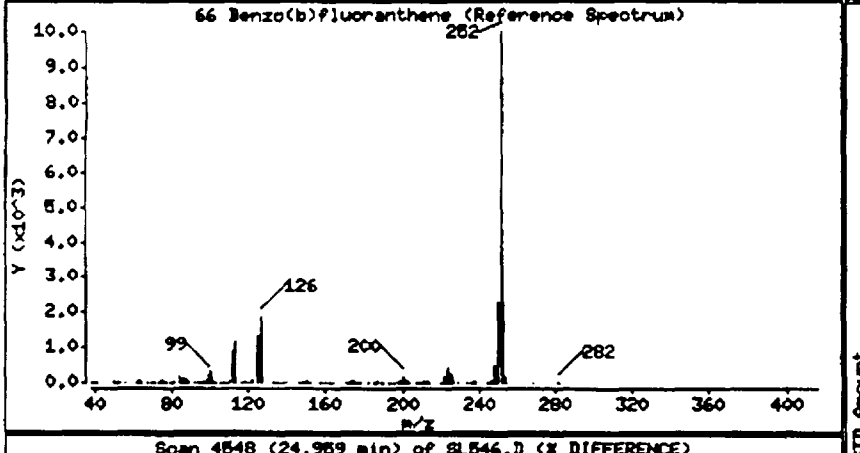


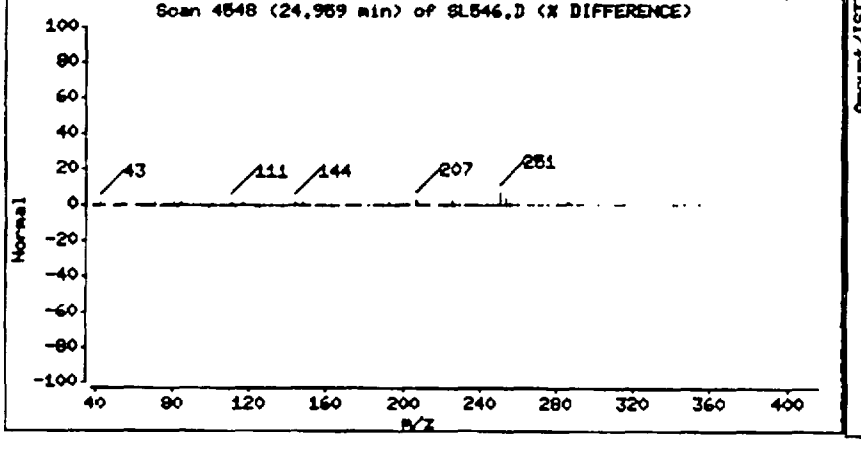


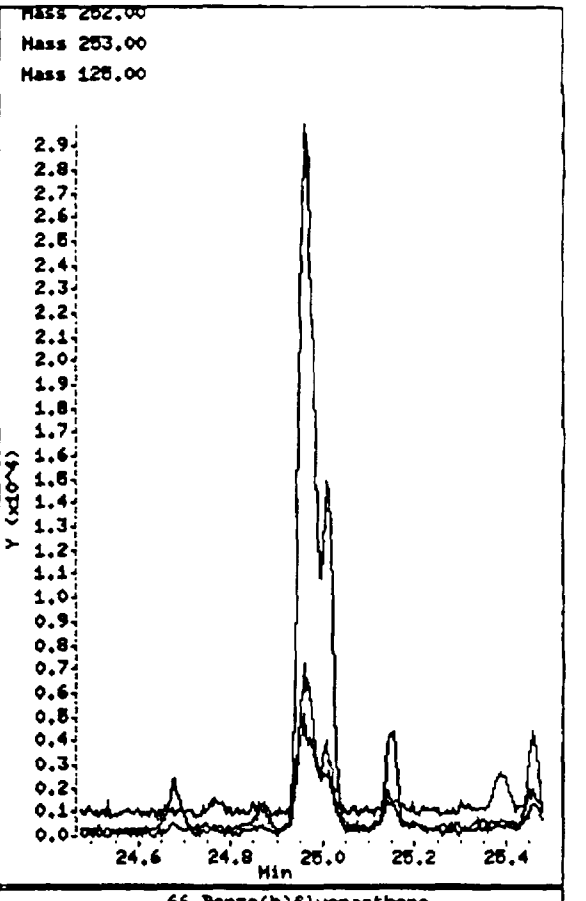
66 Benzo(b)fluoranthene

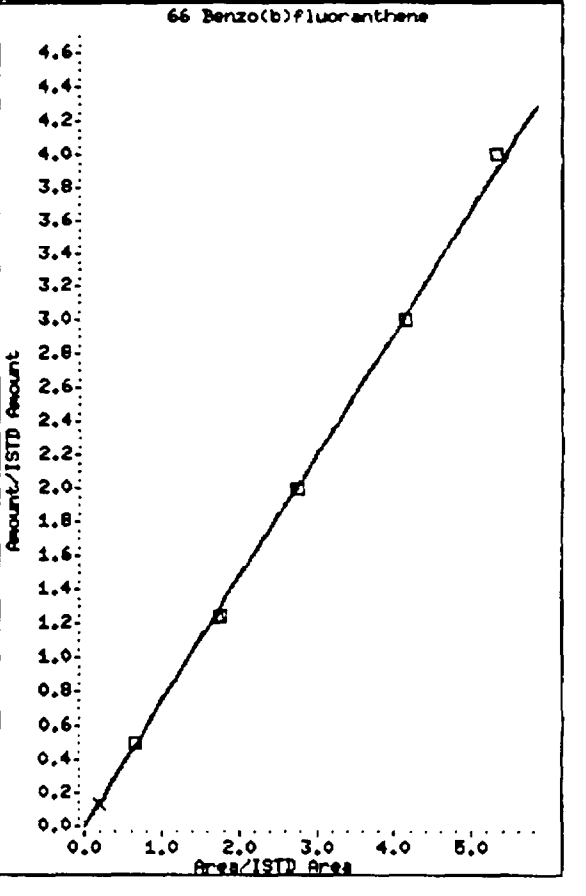












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D
Lab Smp Id: DJRP010U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 03:31
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp010u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.100	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.940	2032427	40.000
* 2 Naphthalene-d8	10.417	2686666	40.000
* 3 Acenaphthene-d10	14.081	3021262	40.000
* 4 Phenanthrene-d10	17.226	2894796	40.000
* 5 Chrysene-d12	22.853	1878000	40.000
* 6 Perylene-d12	25.656	1120677	40.000

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
5.377	1.125e+008	2214.14819	37000	99		0	1
Unknown				CAS #:			
10.292	2690063	40.0505757	660	0		0	2
Unknown				CAS #:			
13.023	322851	4.27438600	71	0		0	3
Unknown Hydrocarbon				CAS #:			
16.202	305182	4.21696928	70	99		0	4
Unknown				CAS #:			
18.962	305006	4.21454527	70	0		0	4
Chlordane				CAS #: 57-74-9			
20.035	521335	7.20375944	120	99	NBS75K.1	54342	4
Unknown				CAS #:			
21.444	225578	4.80465283	80	0		0	5
Unknown Hydrocarbon				CAS #:			
24.127	251643	5.35981277	89	99		0	5
Unknown Hydrocarbon				CAS #:			
25.382	343463	12.2591063	200	99		0	6
Cholesterol				CAS #: 57-88-5			
27.007	244969	8.74361245	140	95	NBS75K.1	74137	6
Unknown				CAS #:			
27.104	173817	6.20399988	100	0		0	6
Unknown				CAS #:			
27.325	156301	5.57879777	93	0		0	6
Unknown				CAS #:			
27.844	301493	10.7610784	180	0		0	6
Unknown				CAS #:			
28.051	1060513	37.8525689	630	0		0	6
Unknown				CAS #:			
28.609	655898	23.4107700	390	0		0	6

Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

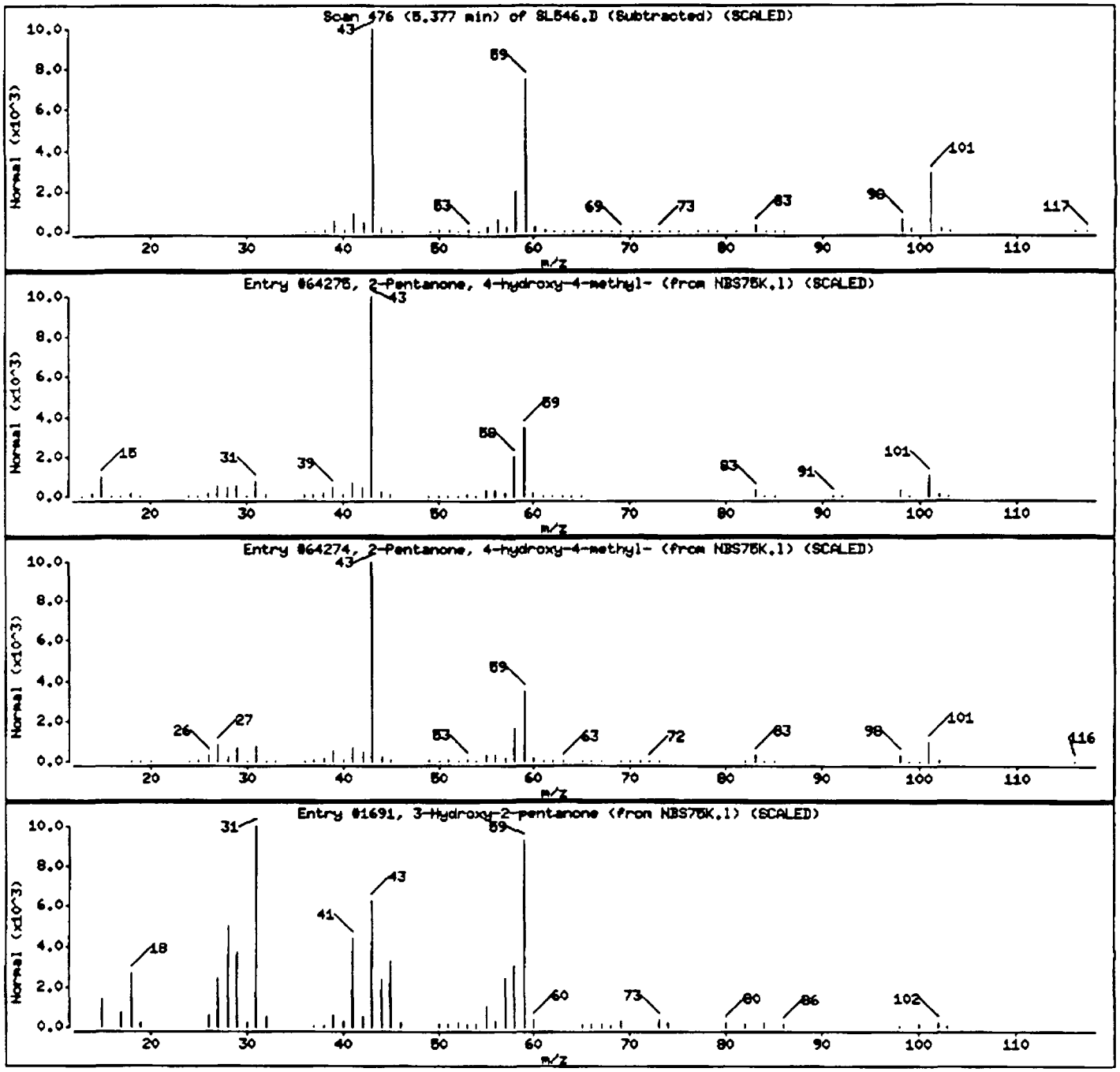
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	40	C5H10O2	102



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a,b,clp31,1-clp90,sub

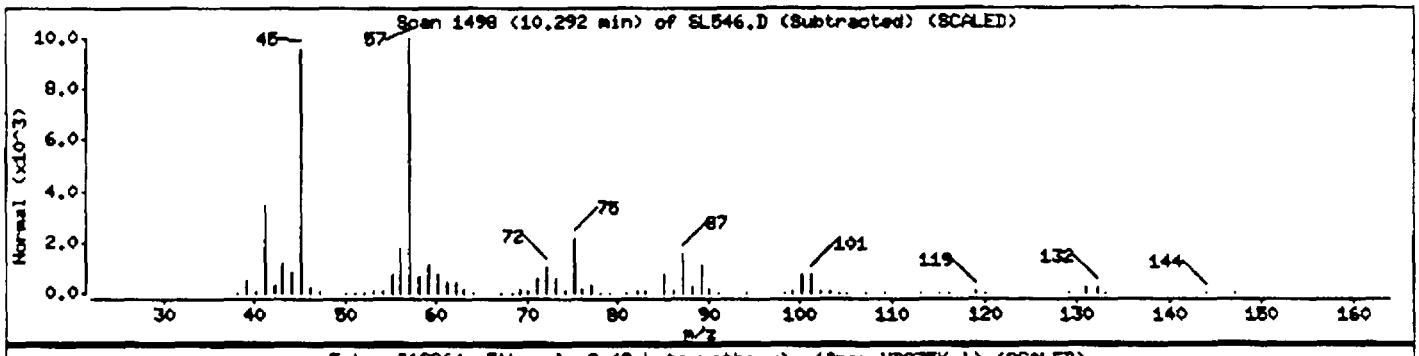
Volume Injected (uL): 2.0

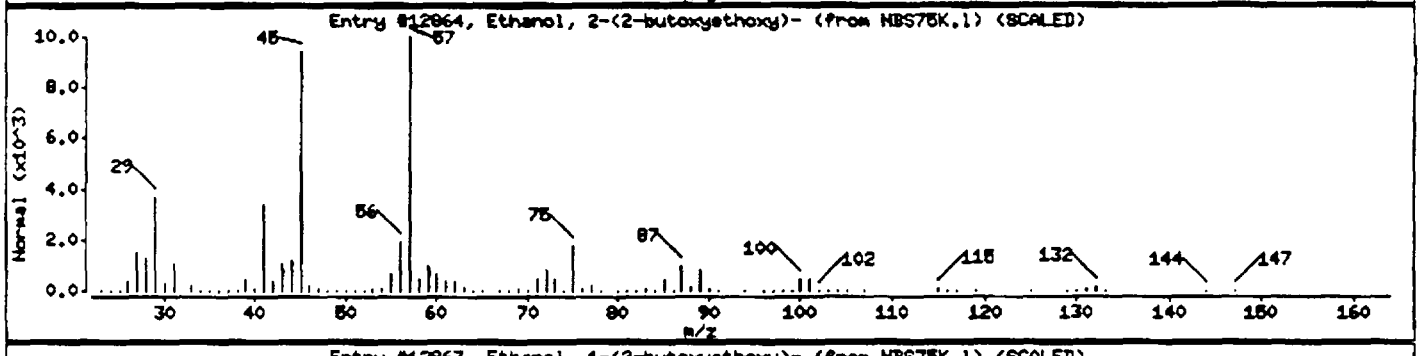
Operator: 001574

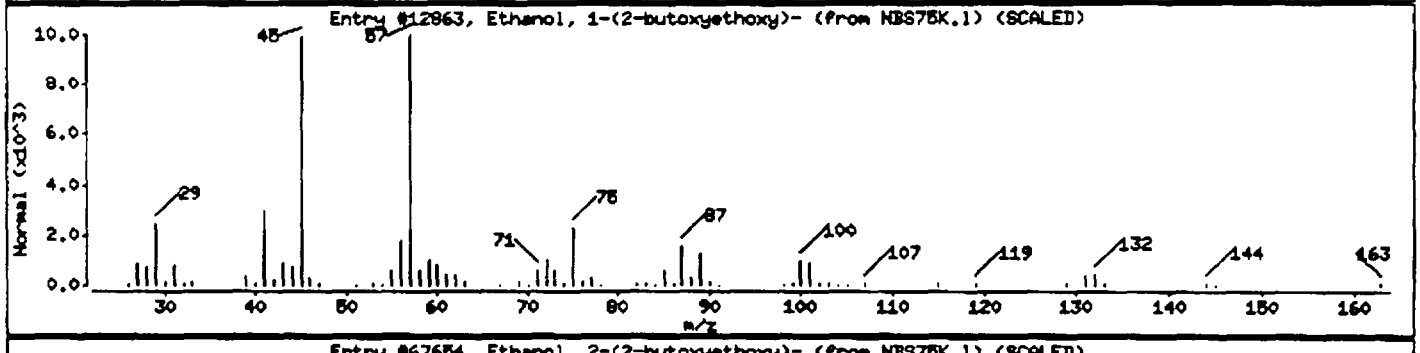
Column phase:

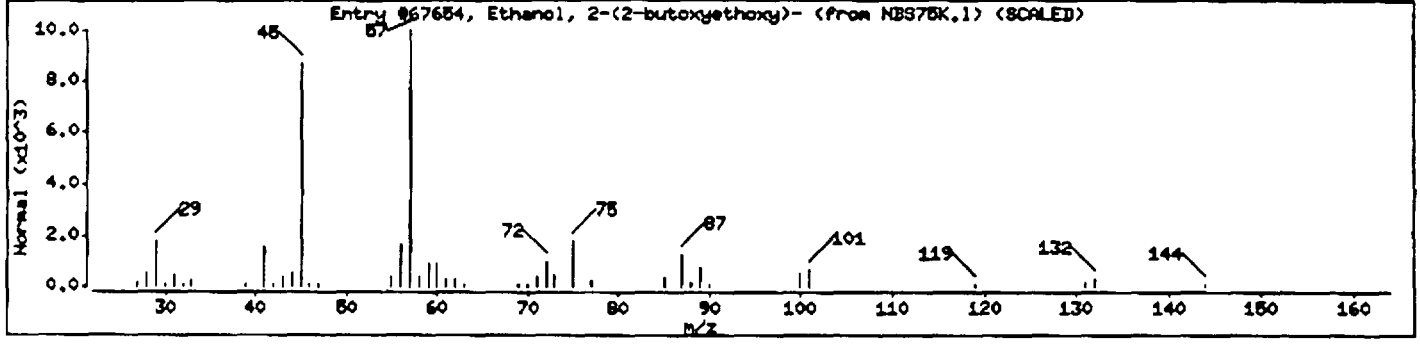
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C8H18O3	162









Data File: \\qcanoh06\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

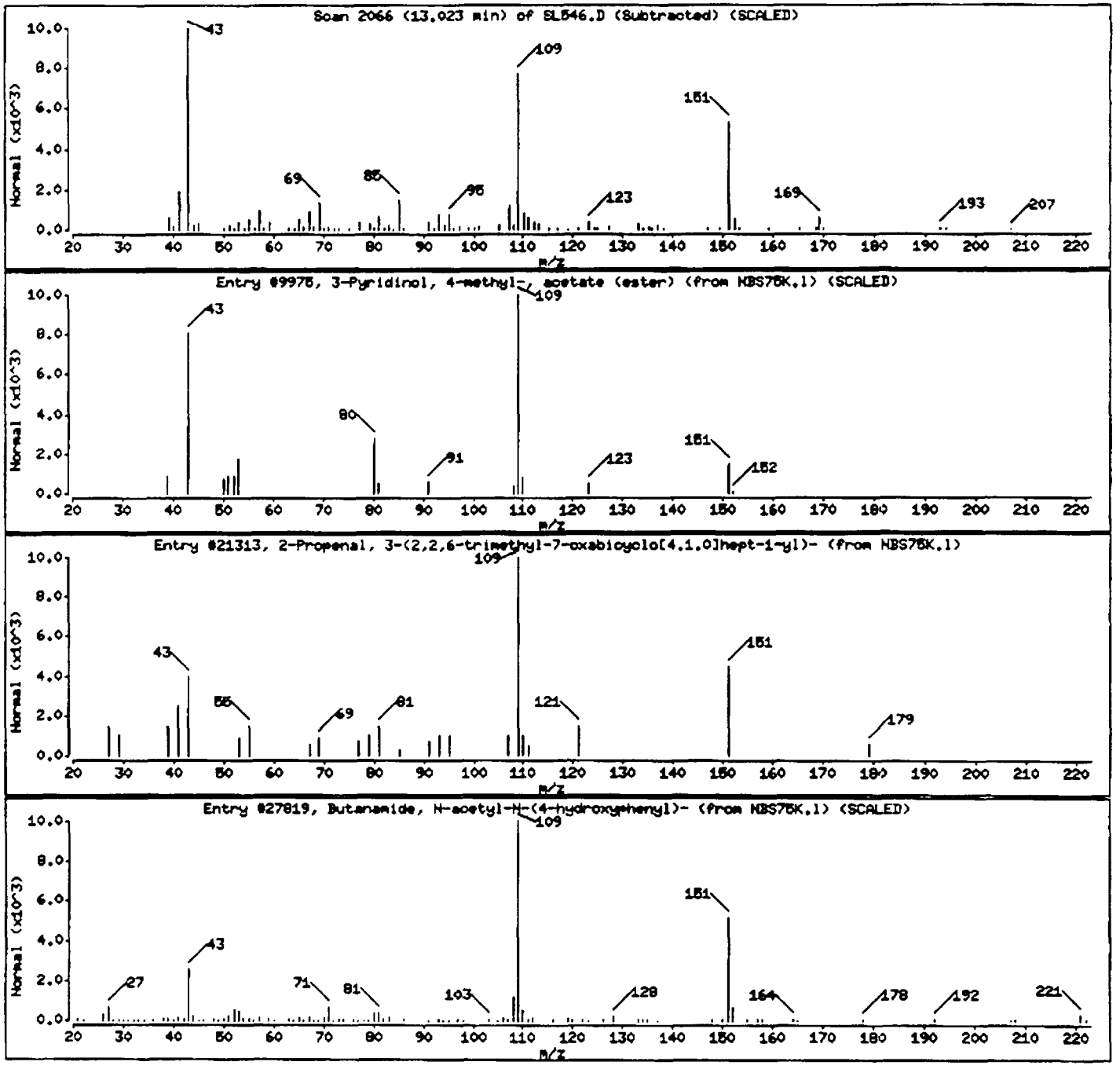
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Pyridinol, 4-methyl-, acetate (ester)	1006-96-8	NBS75K.l	9975	59	C8H9NO2	151
2-Propenal, 3-(2,2,6-trimethyl-7-oxabicy	55759-91-6	NBS75K.l	21313	56	C12H18O2	194
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.l	27819	48	C12H15NO3	221



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

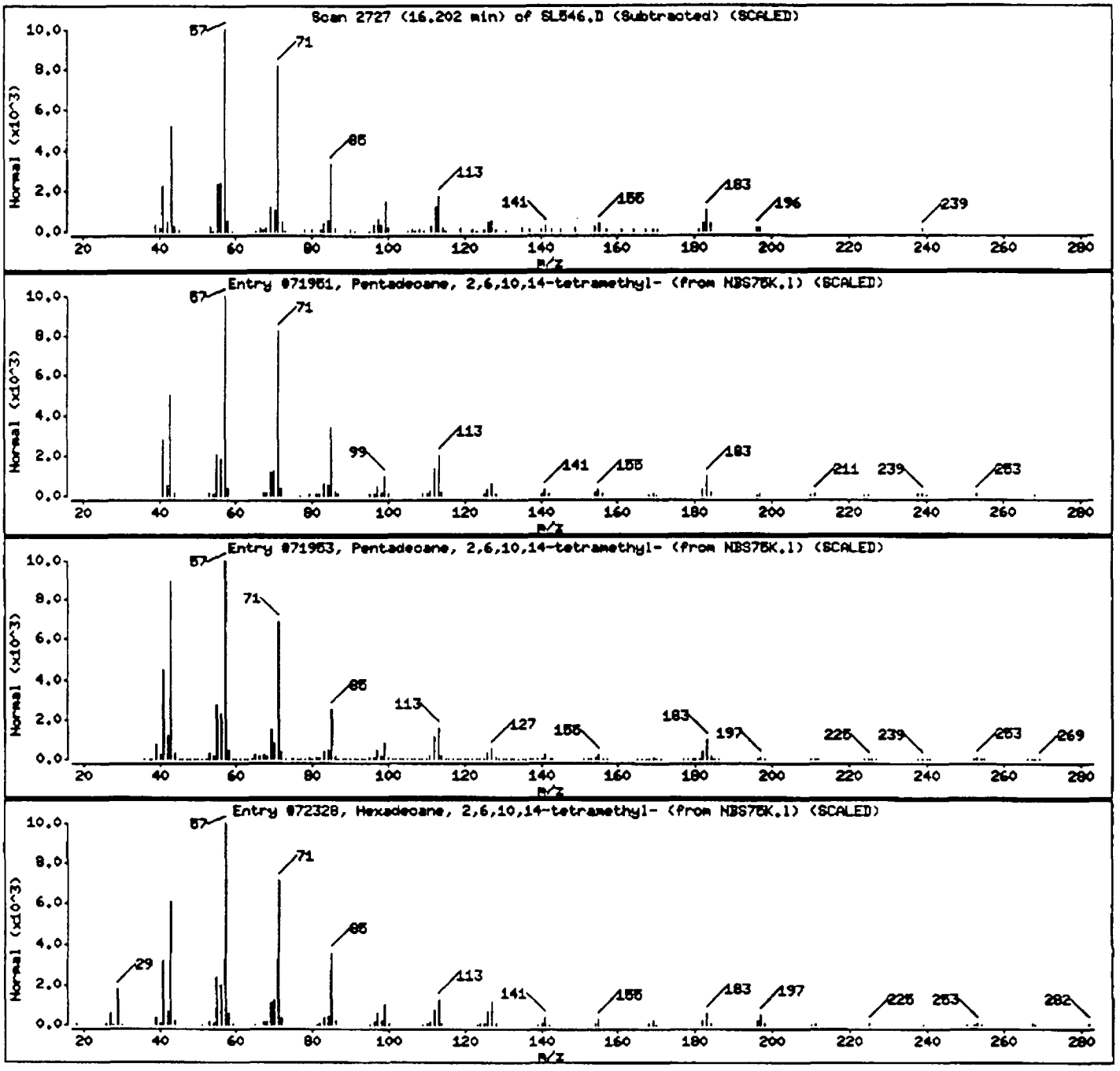
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71961	90	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71963	90	C19H40	268
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NBS75K.l	72328	83	C20H42	282



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

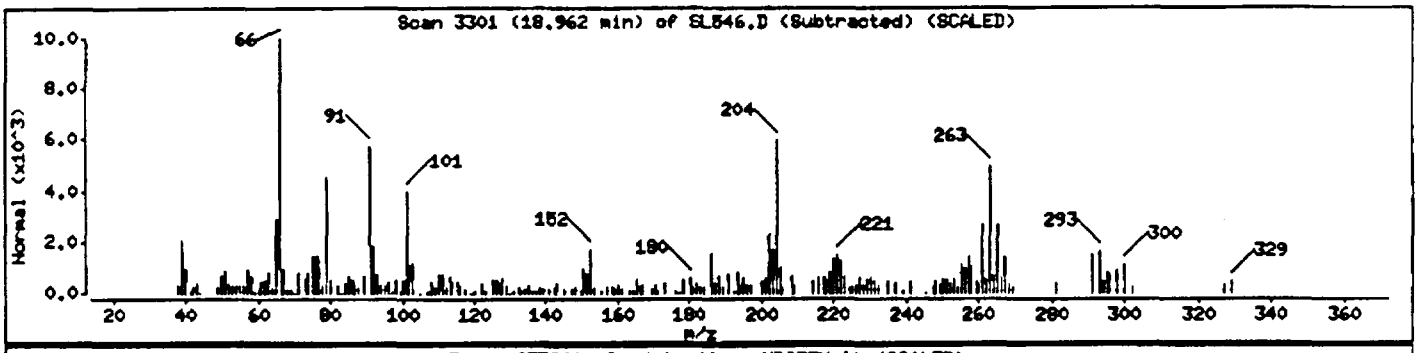
Volume Injected (uL): 2.0

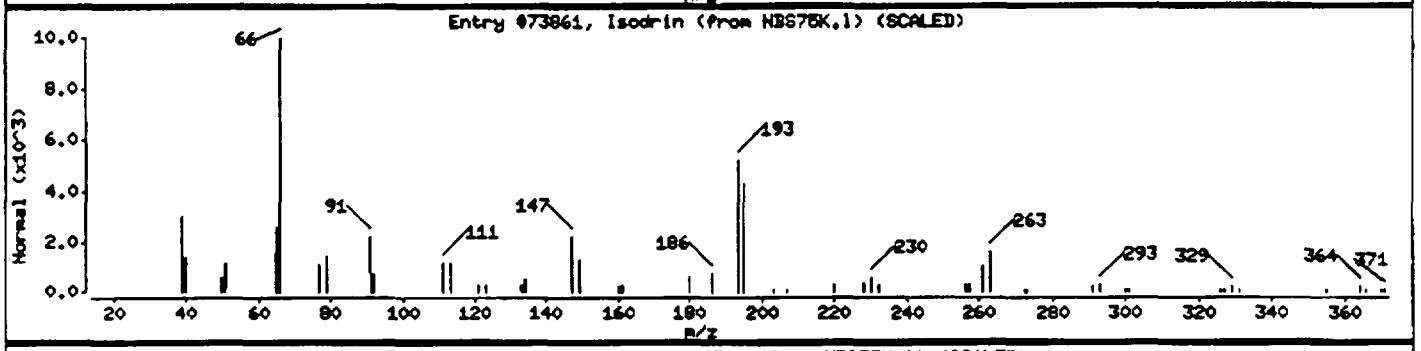
Operator: 001574

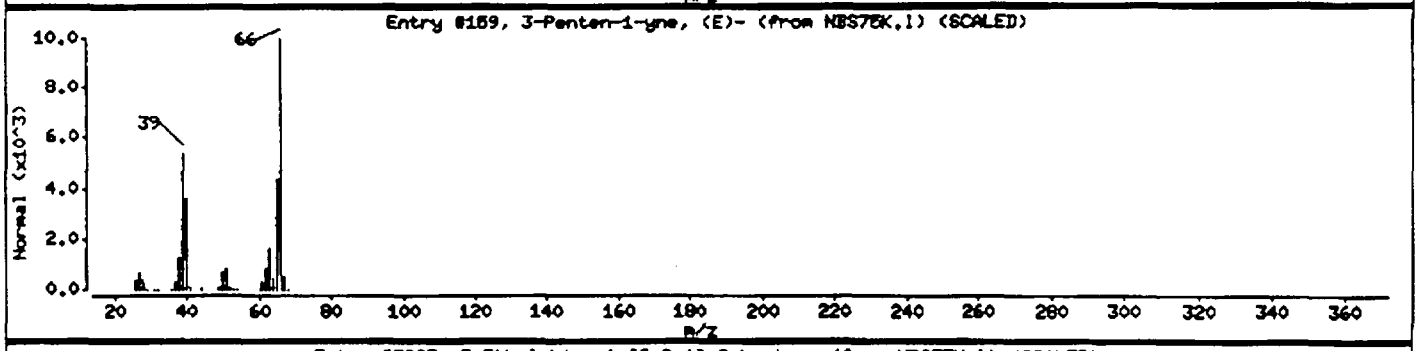
Column phase:

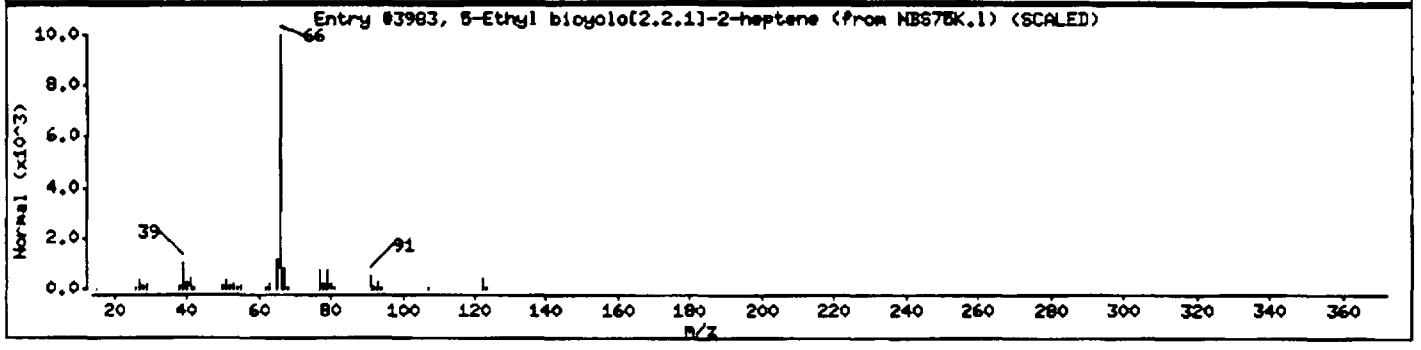
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isodrin	465-73-6	NBS75K.l	73861	59	C12H8Cl6	362
3-Penten-1-yne, (E)-	2004-69-5	NBS75K.l	159	49	C5H6	66
5-Ethyl bicyclo[2.2.1]-2-heptene	15403-89-1	NBS75K.l	3983	47	C9H14	122









Data File: \\qoanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

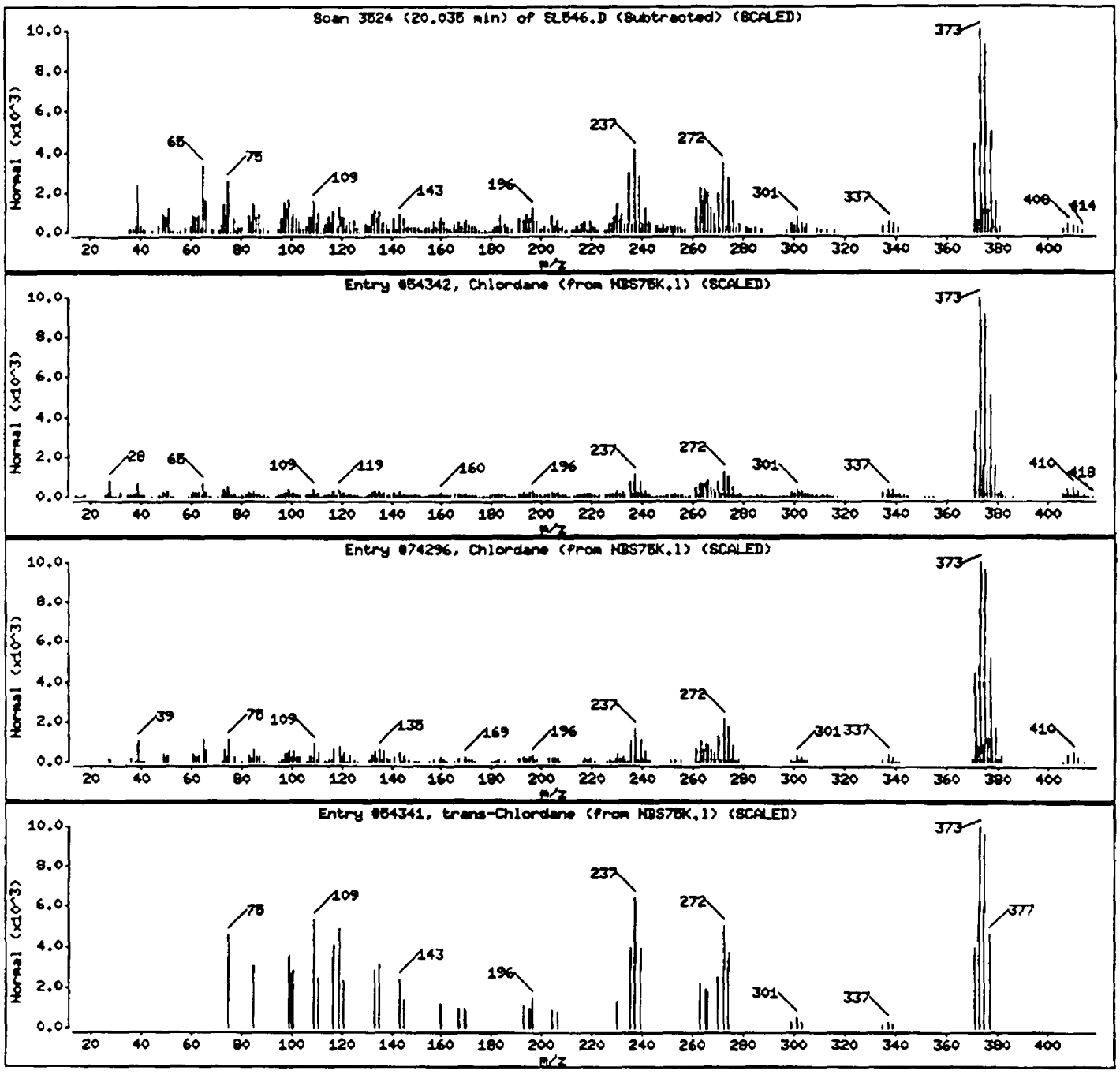
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.l	54342	99	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	74296	99	C10H6Cl8	406
trans-Chlordane	5103-74-2	NBS75K.l	54341	90	C10H6Cl8	406



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

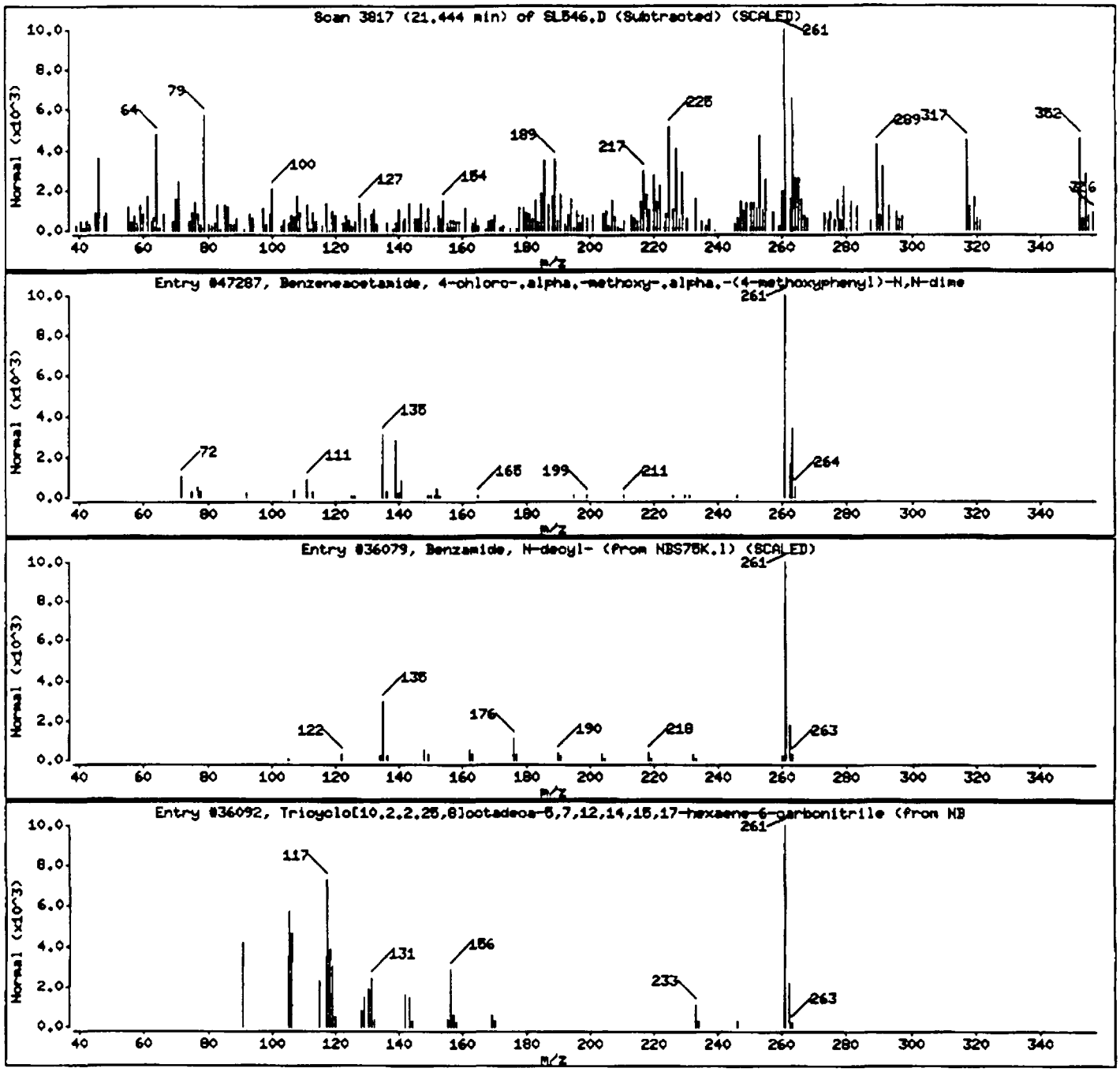
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzeneacetamide, 4-chloro-.alpha.-metho	63963-35-5	NBS75K.l	47287	14	C18H20ClNO3	333
Benzamide, N-decyl-	53044-19-2	NBS75K.l	36079	11	C17H27NO	261
Tricyclo[10.2.2.25,8]octadeca-5,7,12,14,	24770-03-4	NBS75K.l	36092	11	C19H19N	261



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

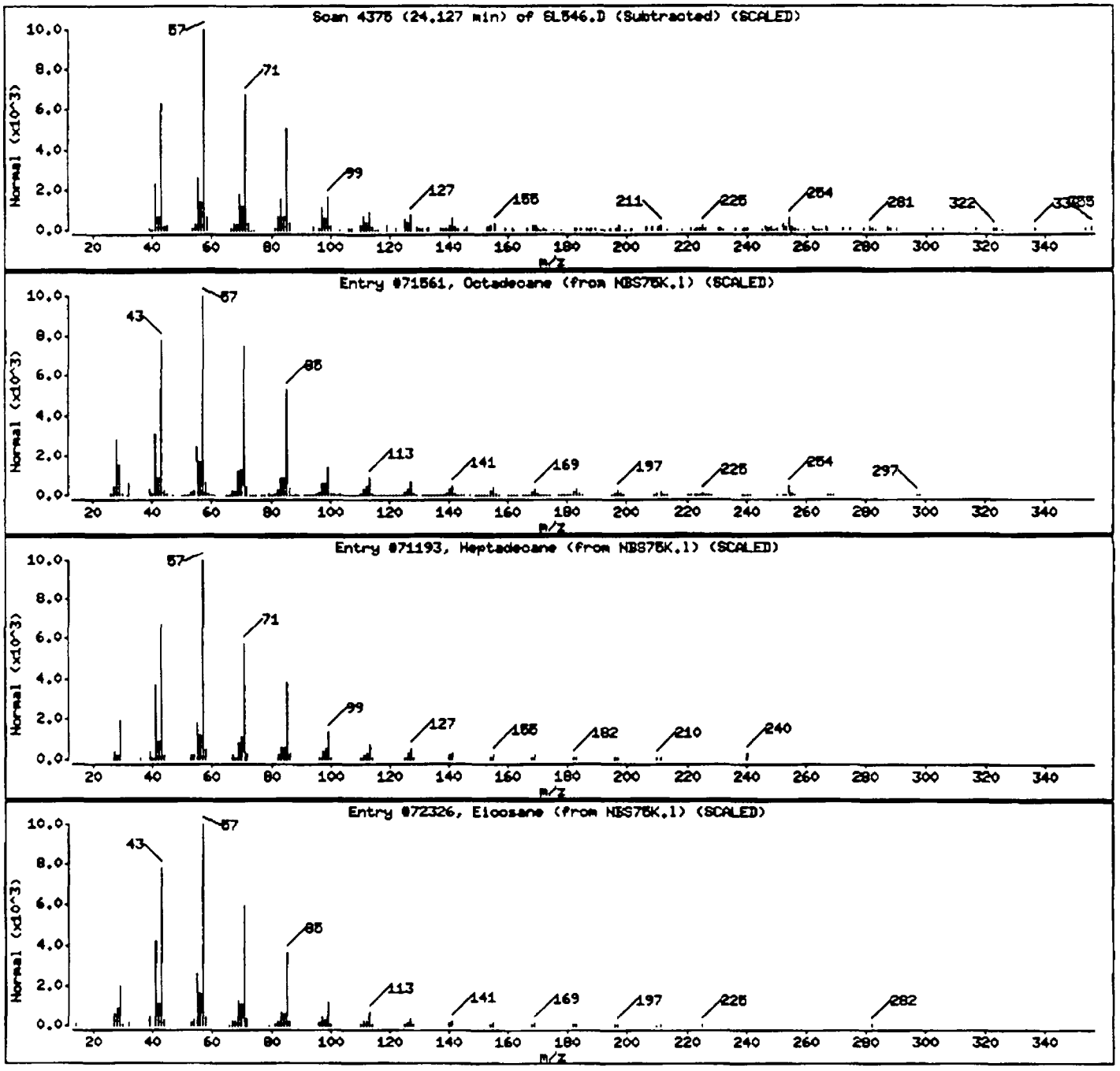
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	96	C18H38	254
Heptadecane	629-78-7	NBS75K.l	71193	95	C17H36	240
Eicosane	112-95-8	NBS75K.l	72326	91	C20H42	282



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

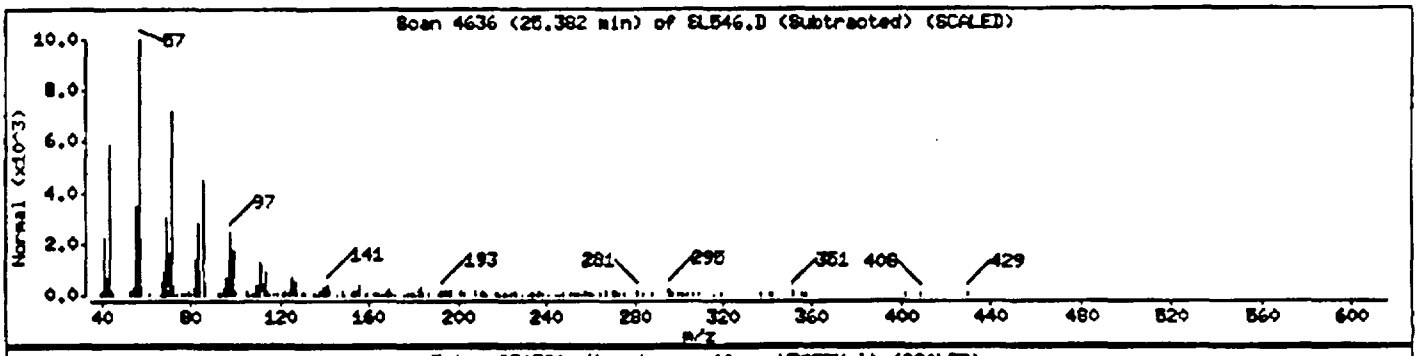
Volume Injected (uL): 2.0

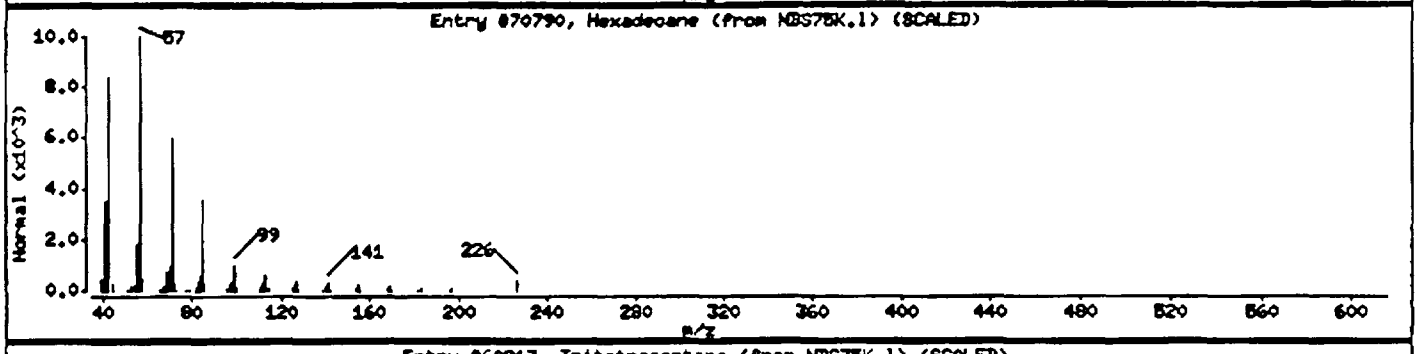
Operator: 001574

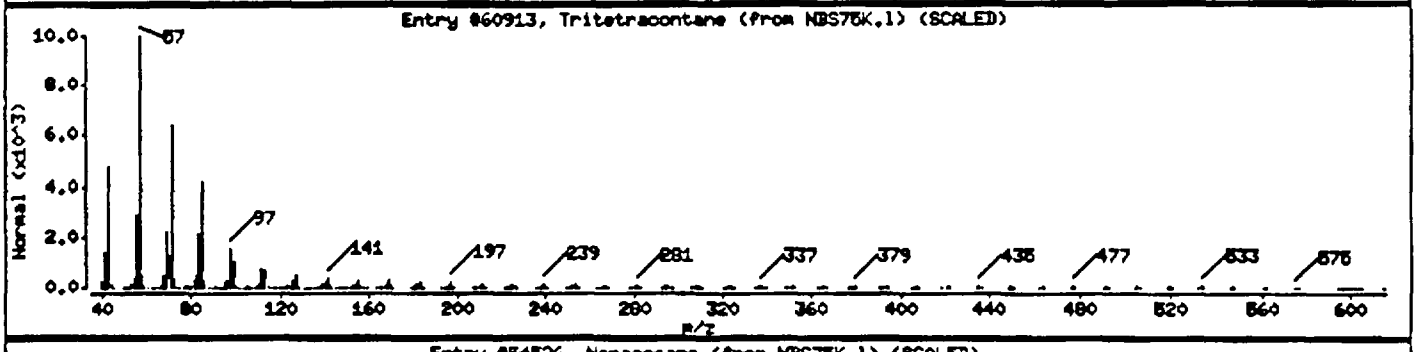
Column phase:

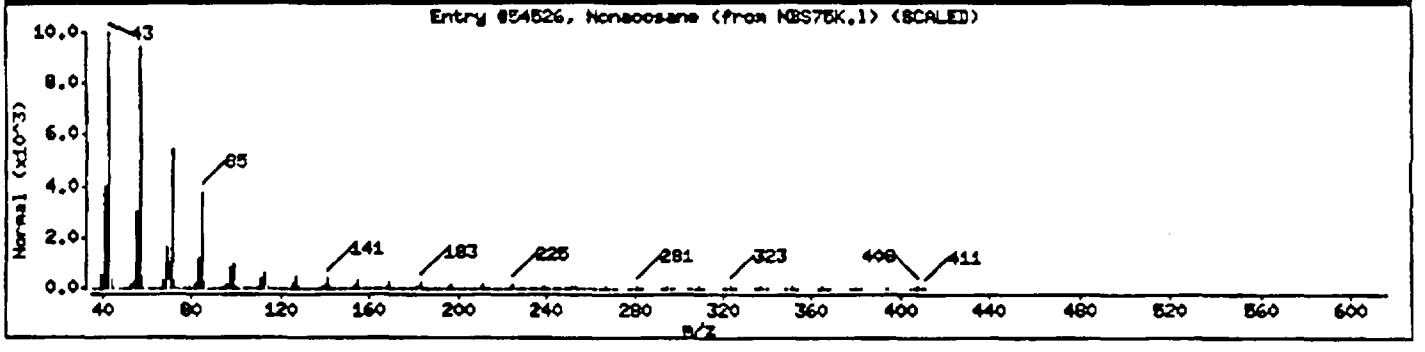
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.l	70790	91	C16H34	226
Tritetracontane	7098-21-7	NBS75K.l	60913	87	C43H88	606
Nonacosane	630-03-5	NBS75K.l	54526	81	C29H60	408









Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,i-olp90.sub

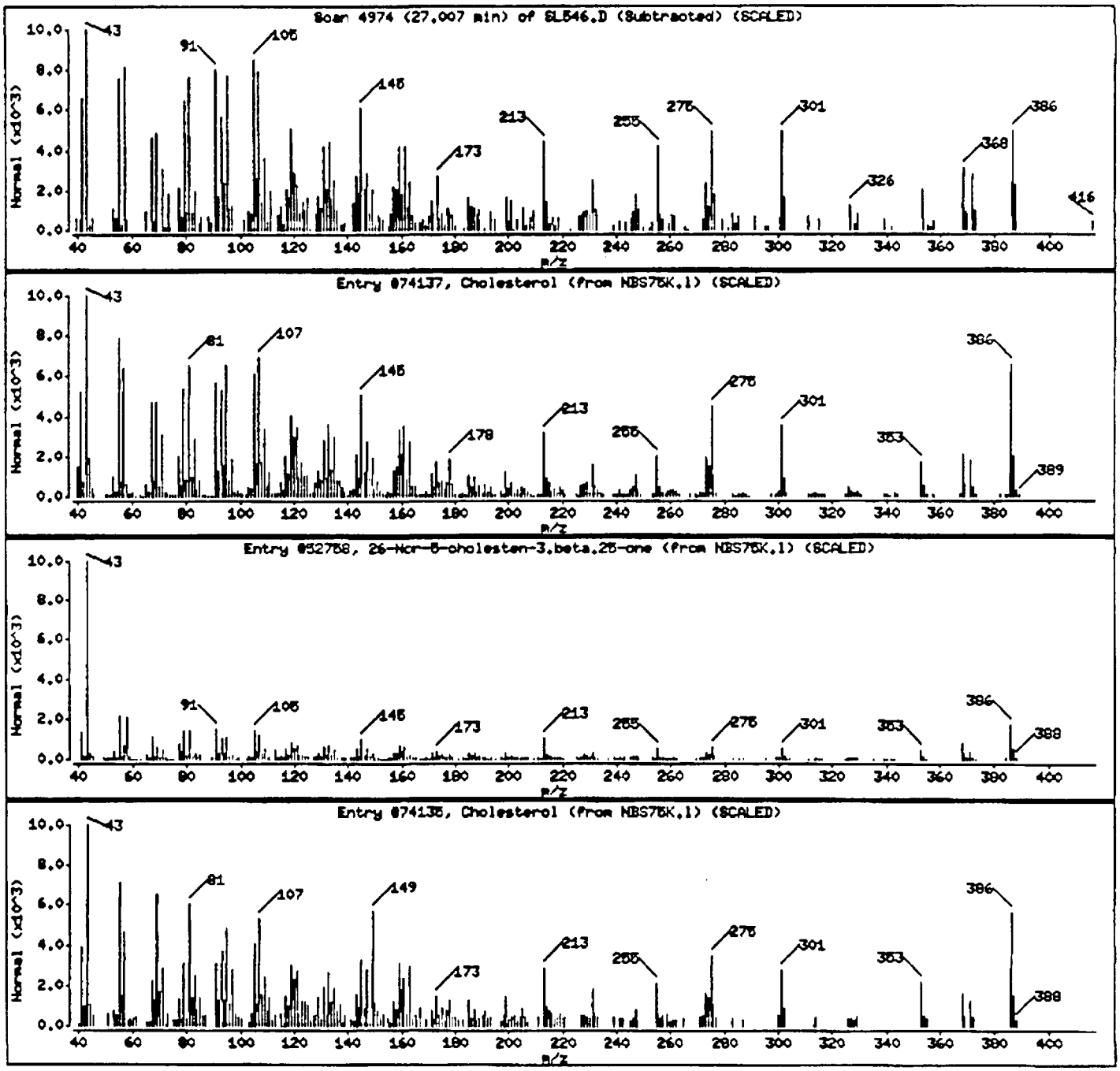
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.1	74137	96	C27H46O	386
26-Nor-5-cholesten-3.beta.25-one	0-00-0	NBS75K.1	52758	81	C26H42O2	386
Cholesterol	57-88-5	NBS75K.1	74135	81	C27H46O	386



Data File: \\qcanoh06\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

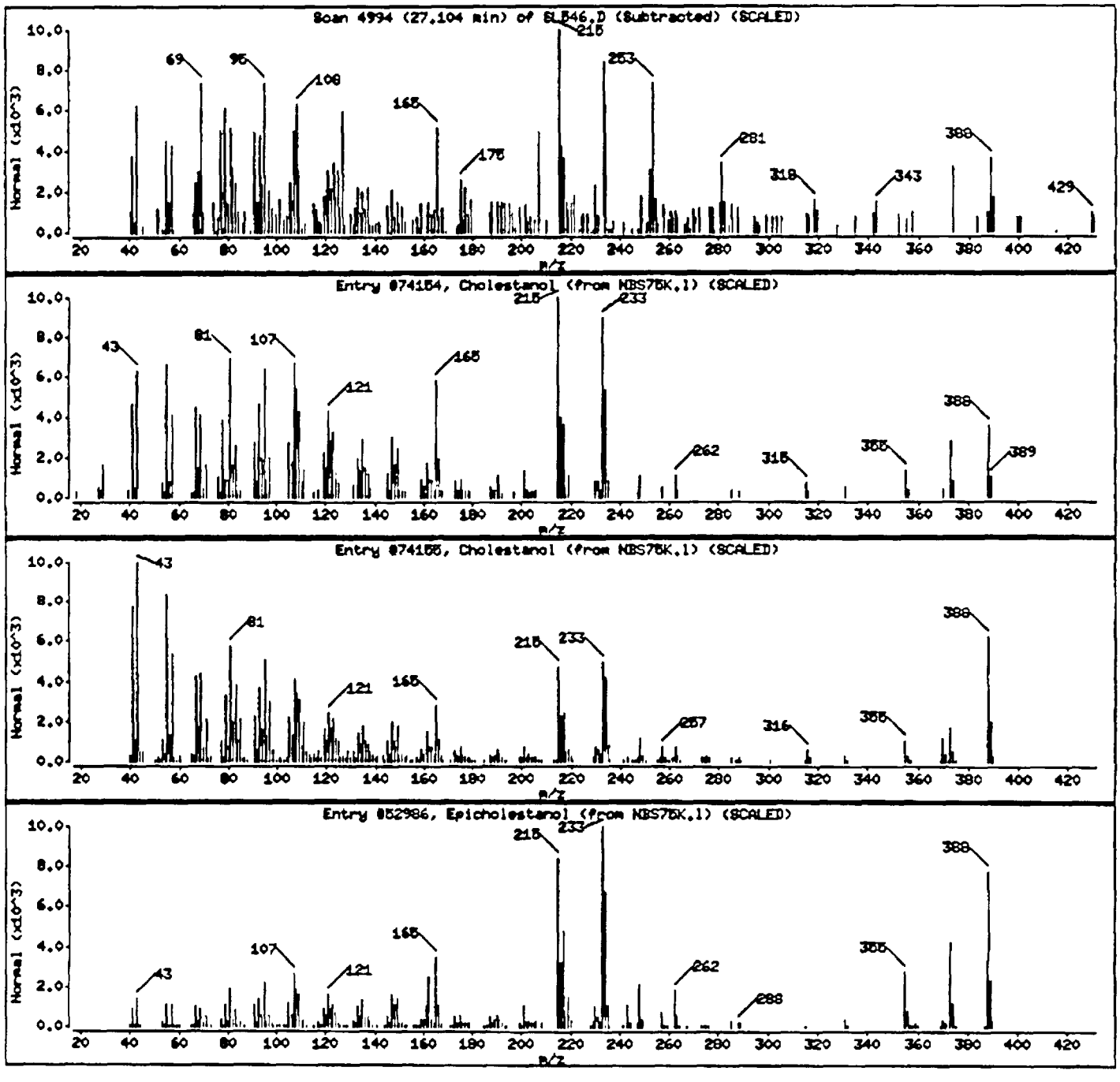
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestanol	80-97-7	NBS75K.l	74154	83	C27H480	388
Cholestanol	80-97-7	NBS75K.l	74155	68	C27H480	388
Epicholestanol	516-95-0	NBS75K.l	52986	58	C27H480	388



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

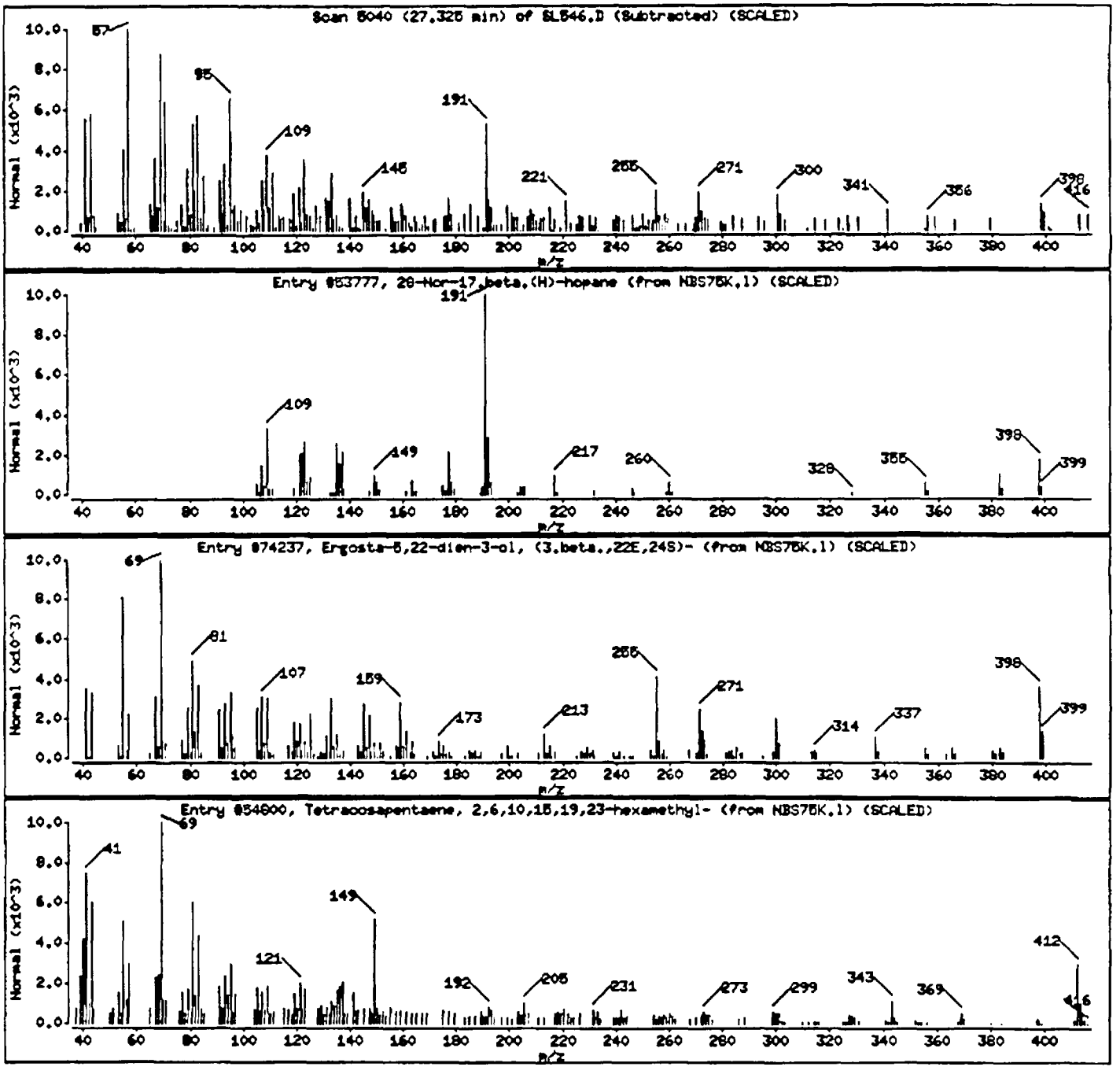
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
28-Nor-17.beta.(H)-hopane	36728-72-0	NBS75K.1	53777	46	C29H50	398
Ergosta-5,22-dien-3-ol, (3.beta.,22E,24S	17472-78-5	NBS75K.1	74237	43	C28H46O	398
Tetracosapentaene, 2,6,10,15,19,23-hexam	26266-08-0	NBS75K.1	54800	32	C30H52	412



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a,b,clp31,i-clp90,sub

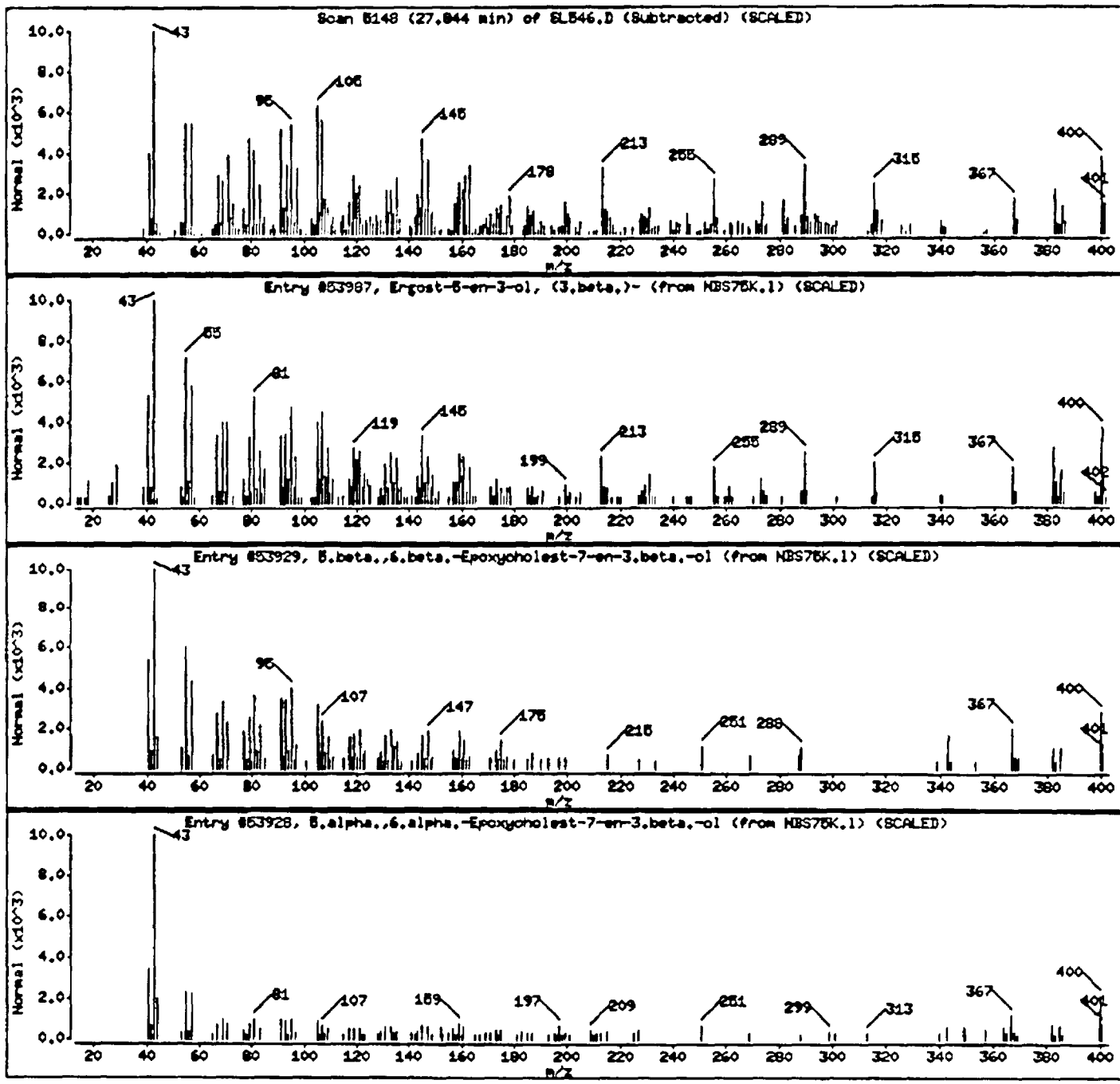
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergost-5-en-3-ol, (3,beta,)-	4651-51-8	NBS75K.l	53987	89	C28H48O	400
5,beta.,6,beta.-Epoxycholest-7-en-3,beta	0-00-0	NBS75K.l	53929	46	C27H44O2	400
5,alpha.,6,alpha.-Epoxycholest-7-en-3,be	0-00-0	NBS75K.l	53928	35	C27H44O2	400



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

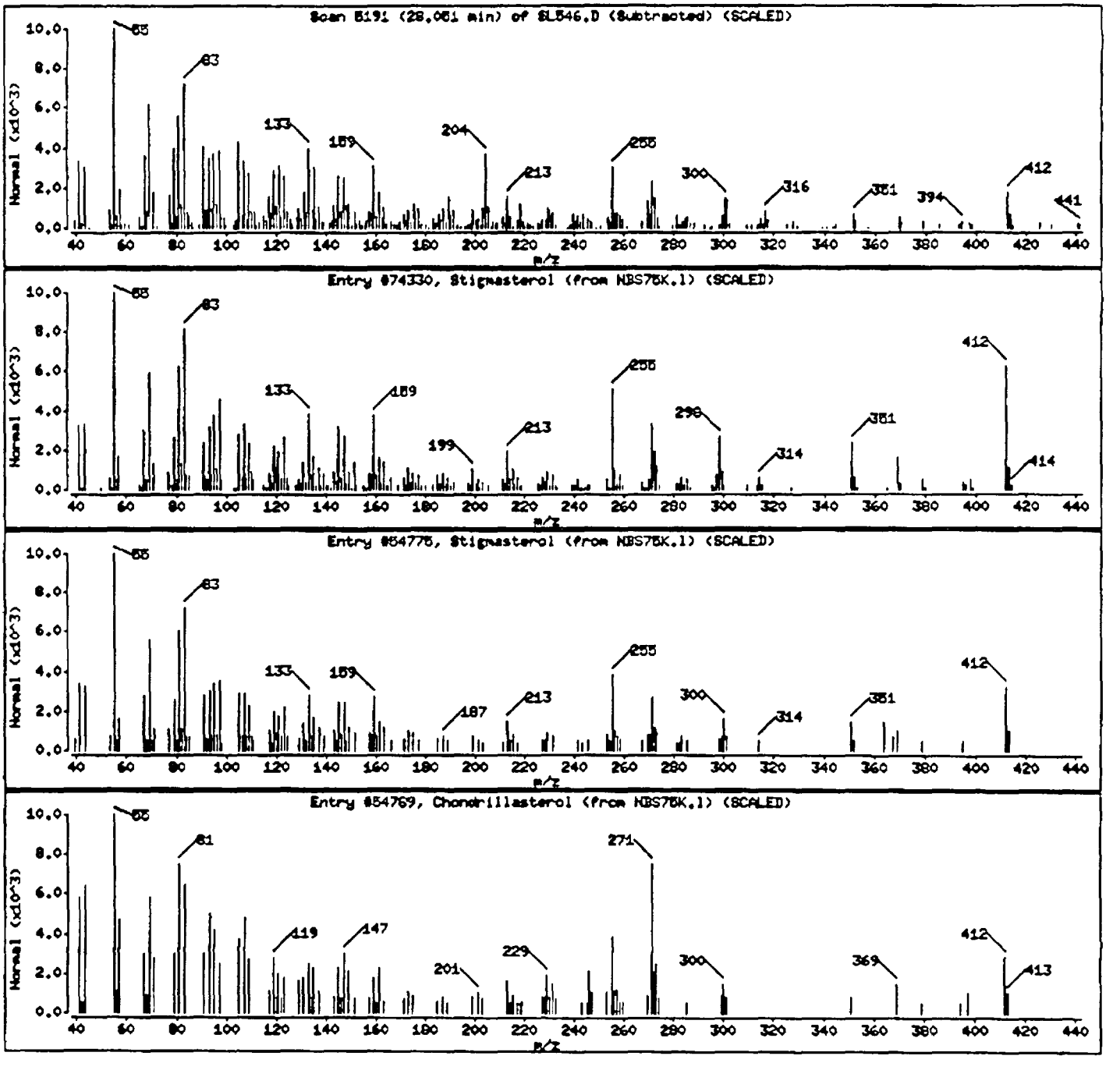
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Stigmasterol	83-48-7	NBS75K.l	74330	96	C29H480	412
Stigmasterol	83-48-7	NBS75K.l	54775	96	C29H480	412
Chondrillasterol	481-17-4	NBS75K.l	54769	47	C29H480	412



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,i-clp90.sub

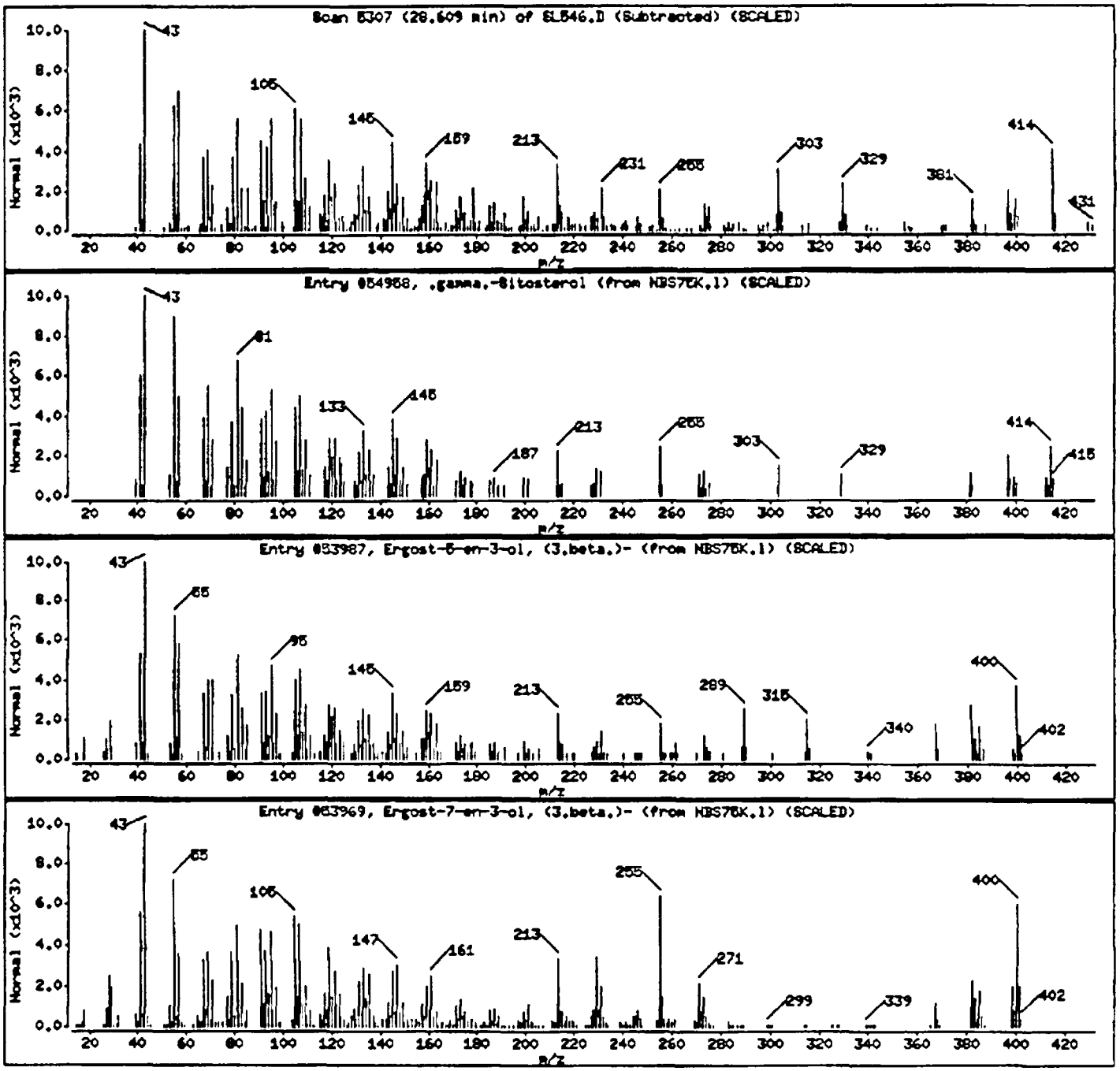
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54958	68	C29H500	414
Ergost-5-en-3-ol, (3.beta.)-	4651-51-8	NBS75K.l	53987	38	C28H480	400
Ergost-7-en-3-ol, (3.beta.)-	26047-31-4	NBS75K.l	53969	27	C28H480	400



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	870	U
111-44-4	bis(2-Chloroethyl) ether	870	U
95-57-8	2-Chlorophenol	870	U
541-73-1	1,3-Dichlorobenzene	870	U
106-46-7	1,4-Dichlorobenzene	870	U
95-50-1	1,2-Dichlorobenzene	870	U
95-48-7	2-Methylphenol	870	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	870	U
106-44-5	4-Methylphenol	870	U
621-64-7	N-Nitrosodi-n-propylamine	870	U
67-72-1	Hexachloroethane	870	U
98-95-3	Nitrobenzene	870	U
78-59-1	Isophorone	870	U
88-75-5	2-Nitrophenol	870	U
105-67-9	2,4-Dimethylphenol	870	U
111-91-1	bis(2-Chloroethoxy)methane	870	U
120-83-2	2,4-Dichlorophenol	870	U
120-82-1	1,2,4-Trichlorobenzene	870	U
91-20-3	Naphthalene	870	U
106-47-8	4-Chloroaniline	870	U
87-68-3	Hexachlorobutadiene	870	U
59-50-7	4-Chloro-3-methylphenol	870	U
91-57-6	2-Methylnaphthalene	870	U
77-47-4	Hexachlorocyclopentadiene	870	U
88-06-2	2,4,6-Trichlorophenol	870	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	870	U
88-74-4	2-Nitroaniline	2100	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	870	U
208-96-8	Acenaphthylene	870	U
606-20-2	2,6-Dinitrotoluene	870	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	870	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	870	U
121-14-2	2,4-Dinitrotoluene	870	U
84-66-2	Diethyl phthalate	870	U
7005-72-3	4-Chlorophenyl phenyl ether	870	U
86-73-7	Fluorene	870	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine	870	U
101-55-3	4-Bromophenyl phenyl ether	870	U
118-74-1	Hexachlorobenzene	870	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	870	U
120-12-7	Anthracene	870	U
86-74-8	Carbazole	870	U
84-74-2	Di-n-butyl phthalate	870	U
206-44-0	**Fluoranthene**	**97**	**J**
129-00-0	**Pyrene**	**93**	**J**
85-68-7	Butyl benzyl phthalate	870	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)anthracene	870	U
218-01-9	Chrysene	870	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**3800**	
117-84-0	Di-n-octyl phthalate	870	U
205-99-2	**Benzo(b)fluoranthene**	**89**	**J**
207-08-9	Benzo(k)fluoranthene	870	U
50-32-8	Benzo(a)pyrene	870	U
193-39-5	Indeno(1,2,3-cd)pyrene	870	U
53-70-3	Dibenz(a,h)anthracene	870	U
191-24-2	Benzo(ghi)perylene	870	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

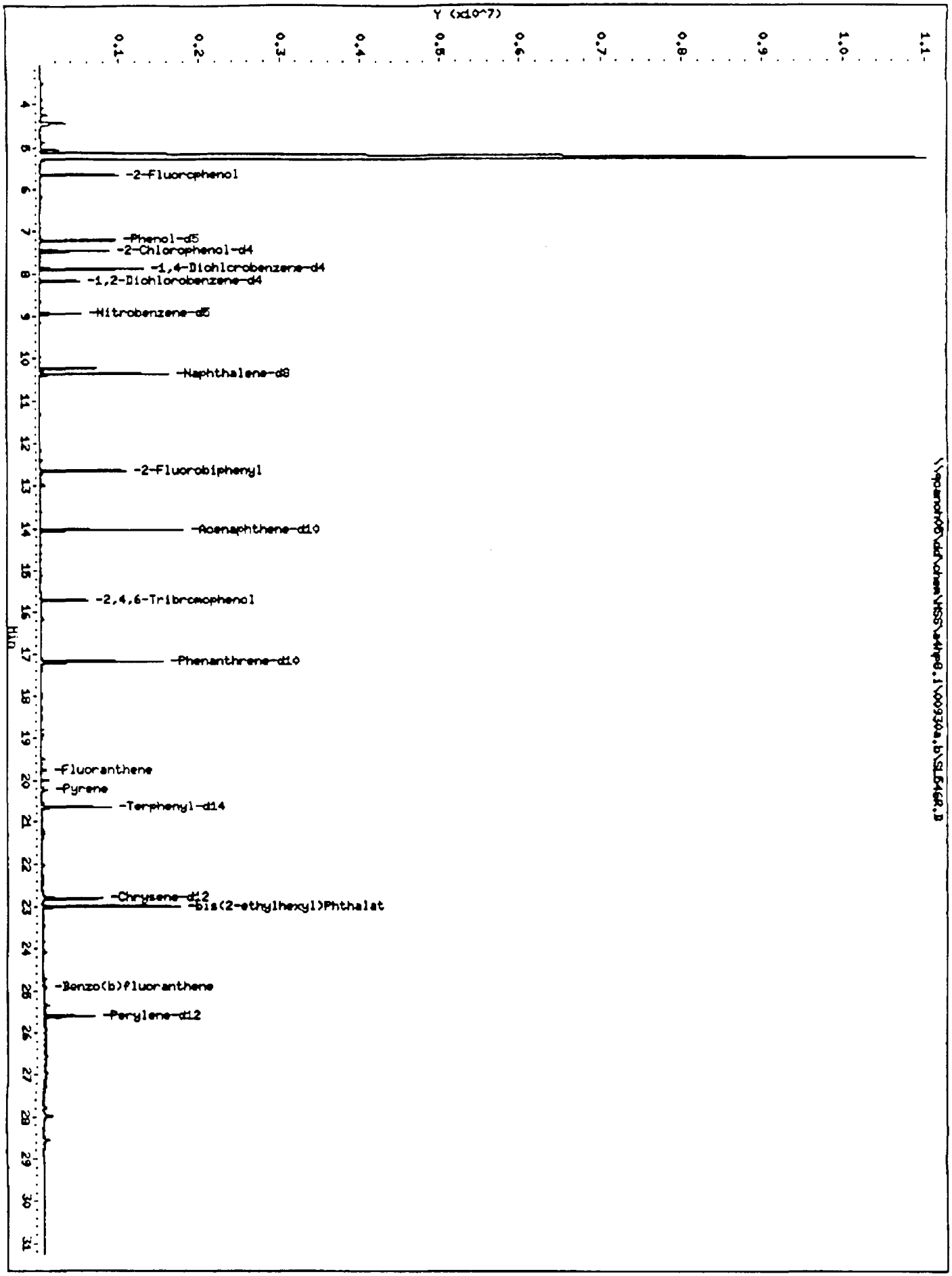
QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2726	50000	JA
	Unknown	10.244	710	J

FORM I - TIC


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
-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
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Benzo(b)fluoranthene
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D
Lab Smp Id: DJRP020U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 16:01
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp020u,00930a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00930a.b\clp31.m
Meth Date : 02-Oct-2000 07:48 ulmanm Quant Type: ISTD
Cal Date : 30-SEP-2000 12:39 Cal File: 8SML0930.D
Als bottle: 7
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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

Name	Value	Description
DF	2.000	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	30.100	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	7.898	7.900	(1.000)	277735	40.0000	
* 2 Naphthalene-d8	136	10.374	10.382	(1.000)	1098922	40.0000	
* 3 Acenaphthene-d10	164	14.039	14.046	(1.000)	627343	40.0000	
* 4 Phenanthrene-d10	188	17.184	17.191	(1.000)	896273	40.0000	
* 5 Chrysene-d12	240	22.805	22.817	(1.000)	433888	40.0000	
* 6 Perylene-d12	264	25.609	25.616	(1.000)	371222	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.					

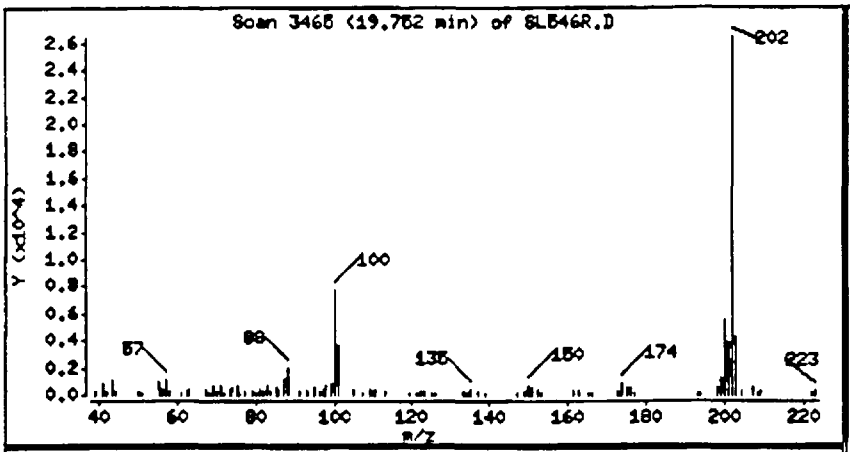
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	19.751	19.764	(1.149)	42852	2.21441	74(a)
59 Pyrene	202	20.227	20.235	(0.887)	31429	2.13397	71(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

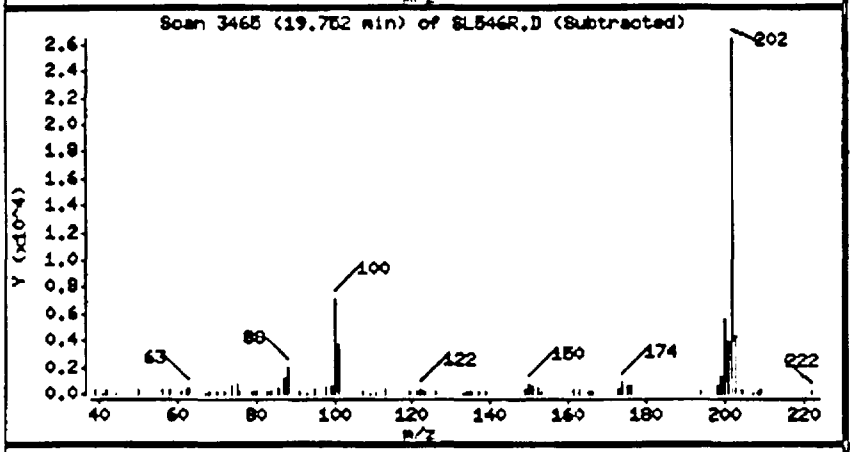
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	22.993	22.995	(1.008)	711337	87.5224	2900
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.911	24.924	(0.973)	27738	2.06031	68(a)
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	8.941	8.954	(0.862)	268527	24.2747	810
$ 73 2-Fluorobiphenyl	172	12.644	12.652	(0.901)	491229	28.3920	940
$ 74 Terphenyl-d14	244	20.627	20.634	(0.904)	475278	47.3380	1600
$ 75 Phenol-d5	99	7.215	7.222	(0.914)	497182	40.8549	1400
$ 76 2-Fluorophenol	112	5.662	5.635	(0.717)	343077	38.5650	1300
$ 77 2,4,6-Tribromophenol	330	15.702	15.715	(0.914)	98297	45.9715	1500
$ 78 2-Chlorophenol-d4	132	7.475	7.472	(0.946)	328859	41.1191	1400
$ 79 1,2-Dichlorobenzene-d4	152	8.177	8.179	(1.035)	105250	19.0541	630(a)

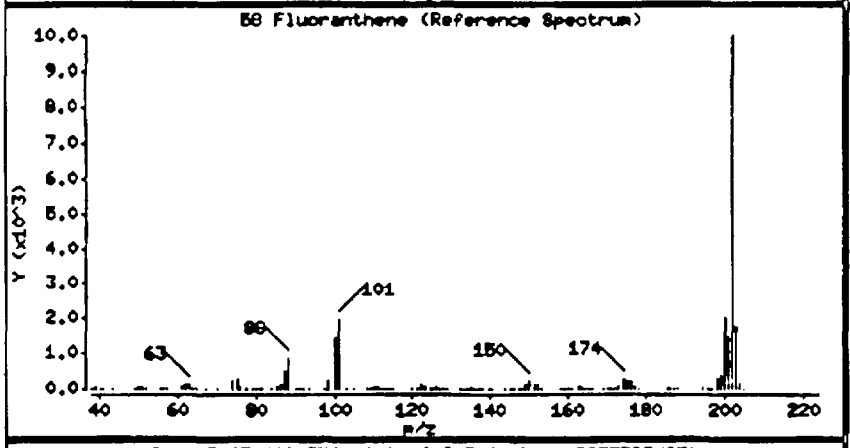
QC Flag Legend

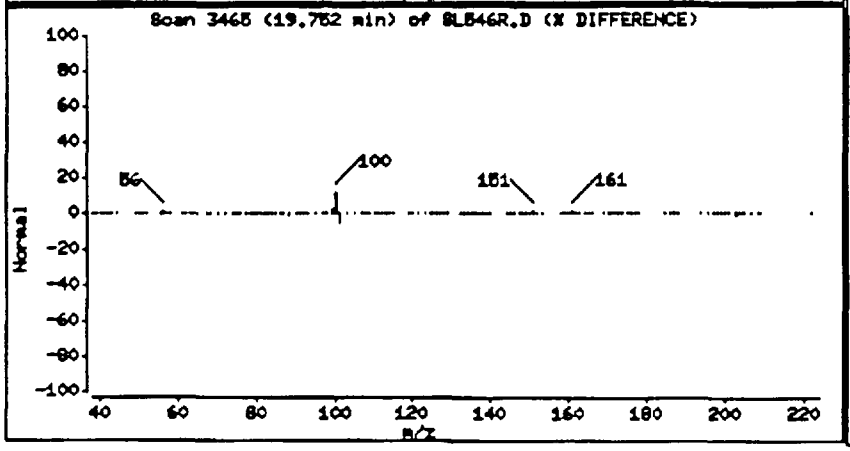
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

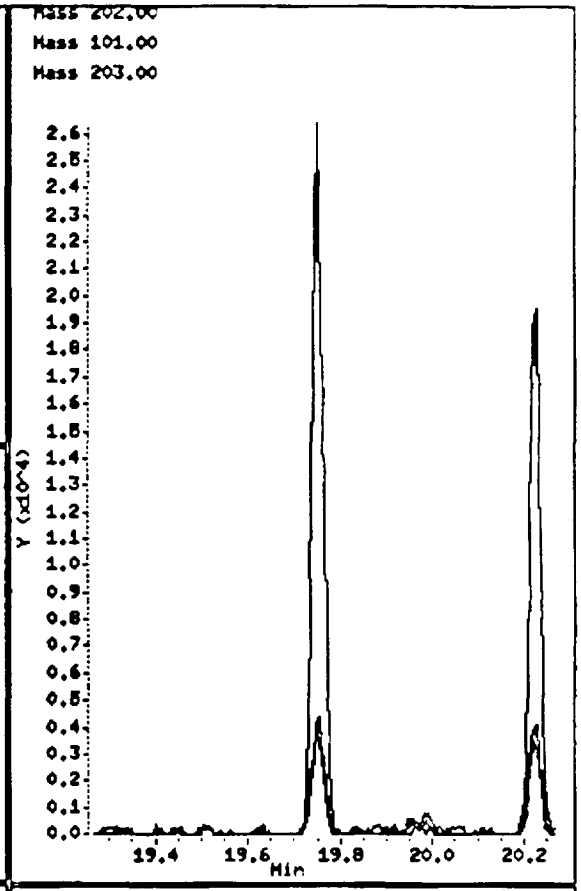
58 Fluoranthene

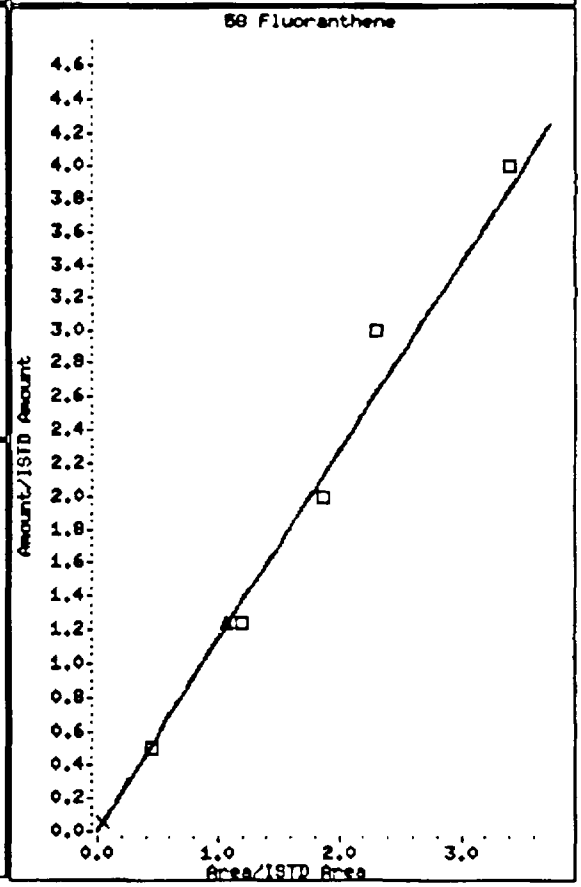




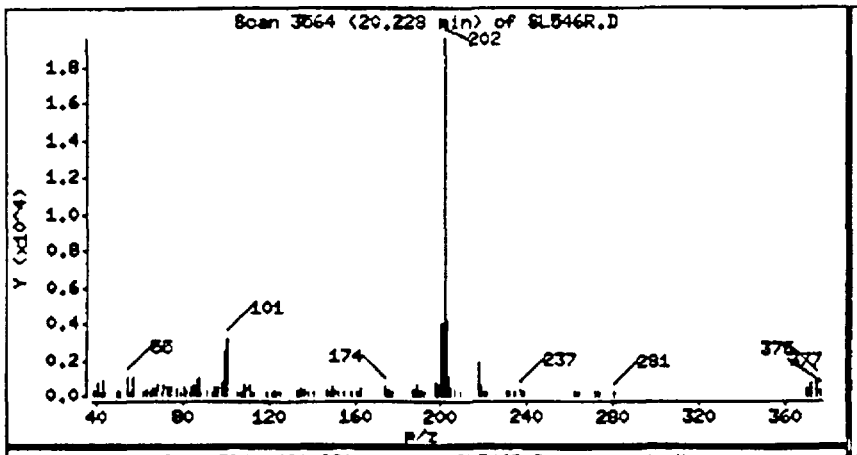








59 Pyrene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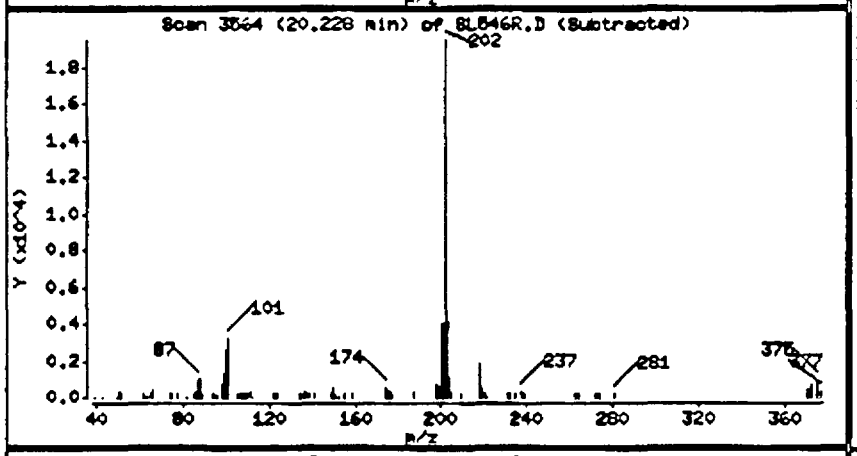
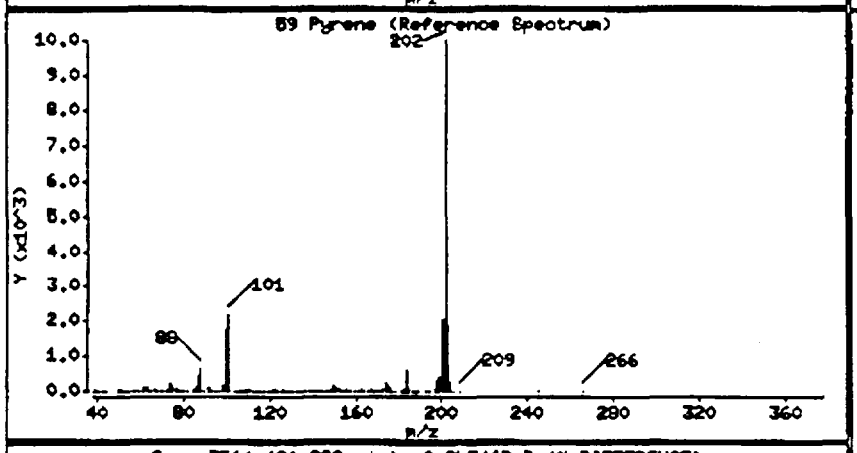
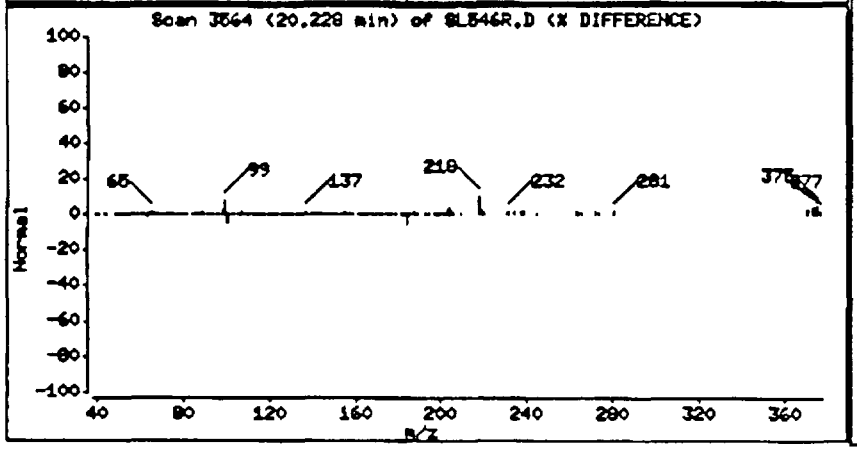
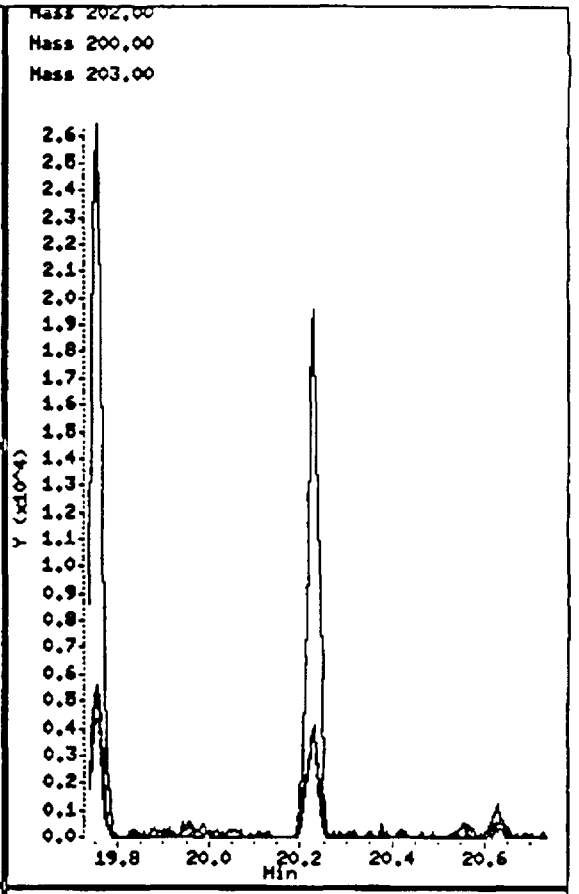
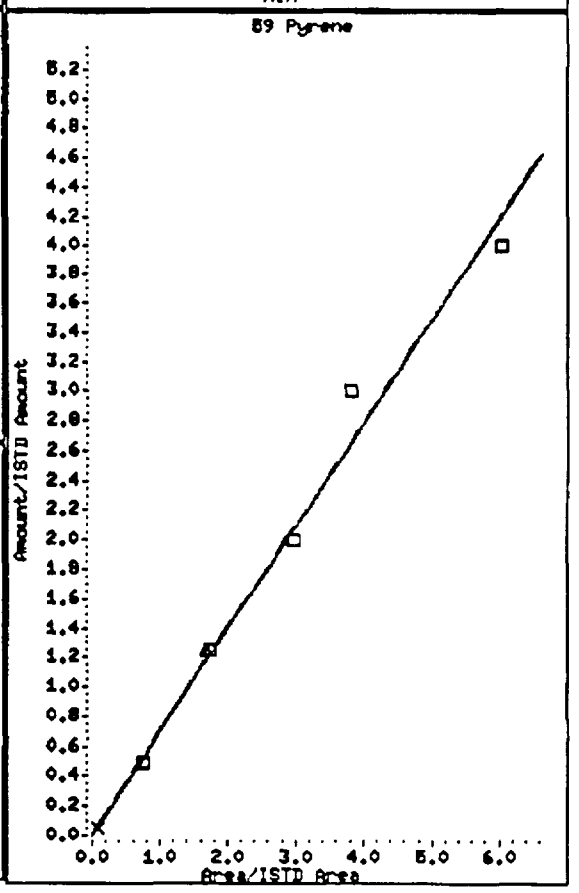
202
101
55
174
237
281
376
Y (x10^4)
m/z


Scan 3564 (20.228 min) of SL546R.D (Subtracted)
202
101
87
174
237
281
376
Y (x10^4)
m/z

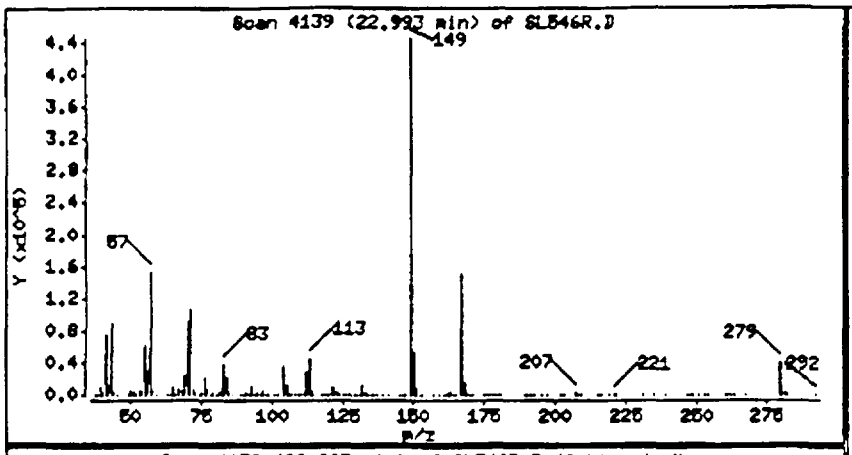

59 Pyrene (Reference Spectrum)
202
101
88
209
266
Y (x10^3)
m/z

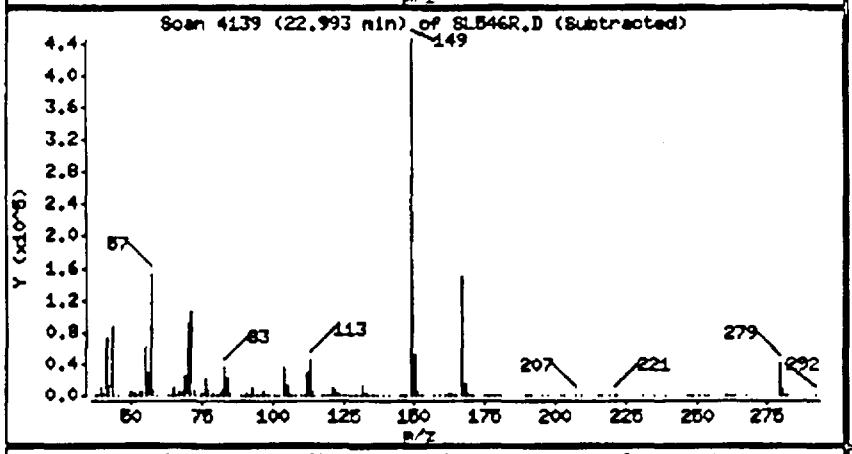

Scan 3564 (20.228 min) of SL546R.D (% DIFFERENCE)
65
99
137
218
232
281
376
377
Normal
m/z

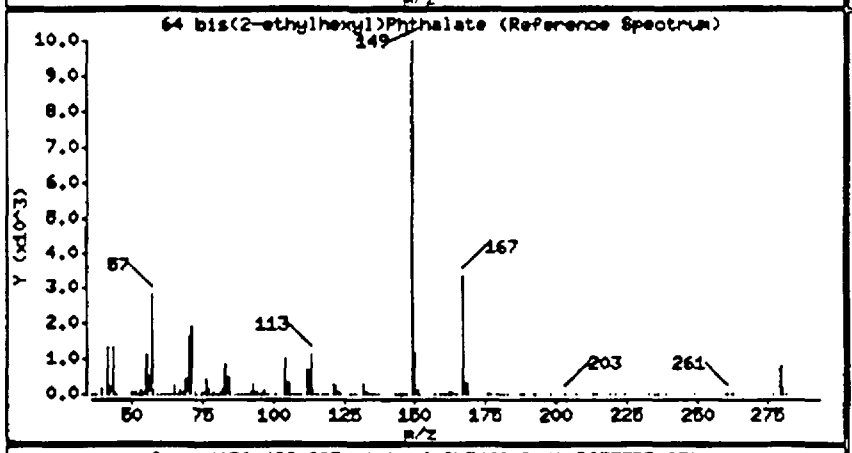

Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^4)
Min

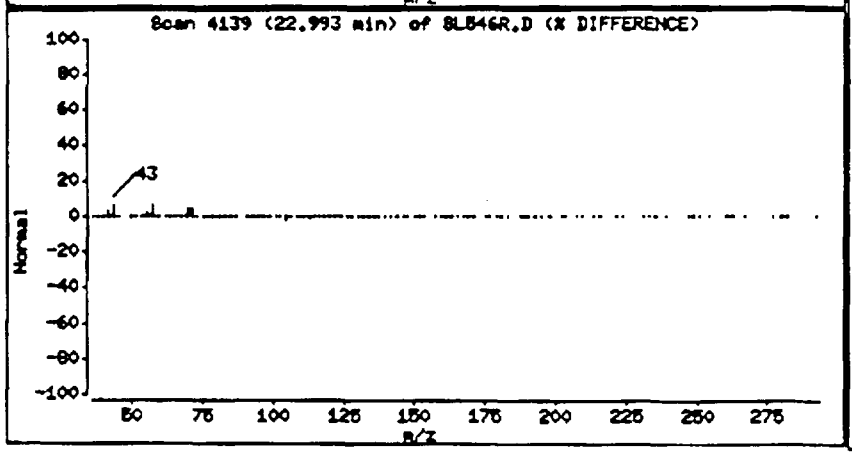

59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

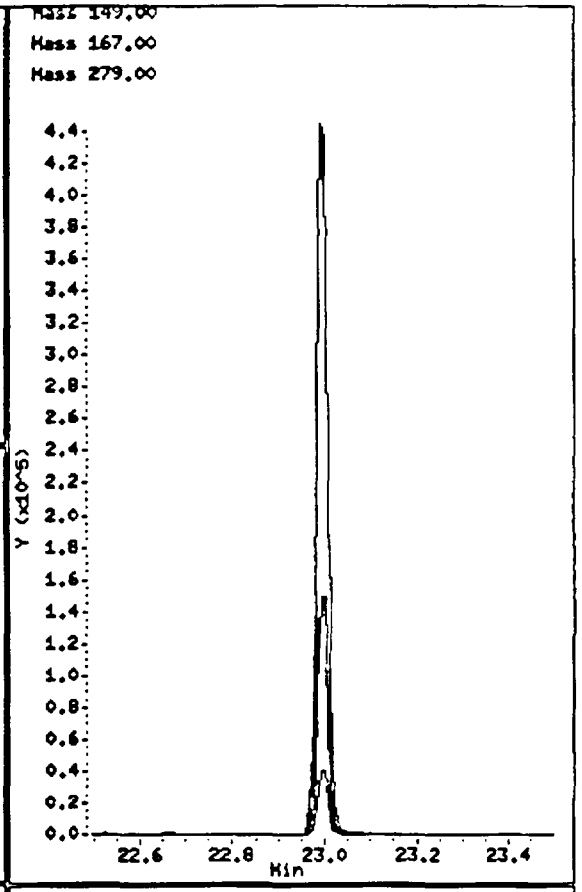
64 bis(2-ethylhexyl)Phthalate

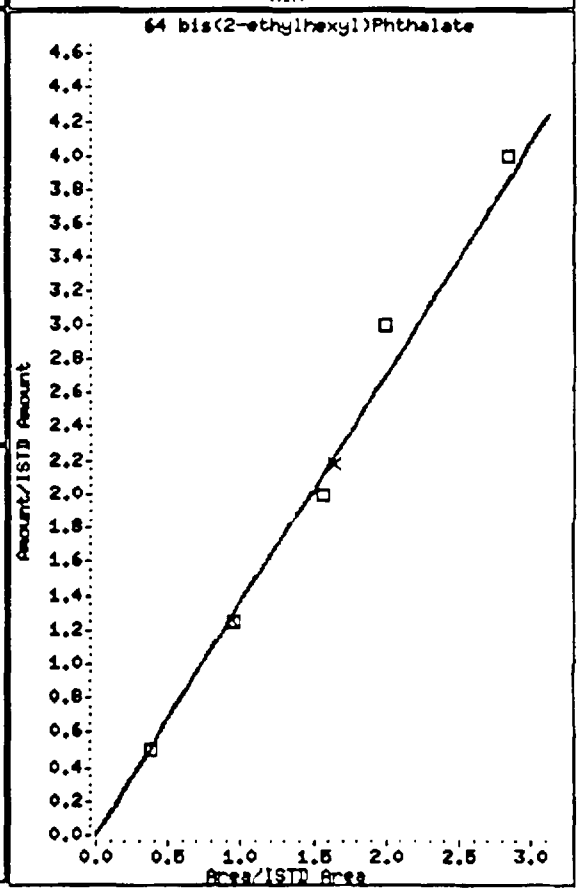




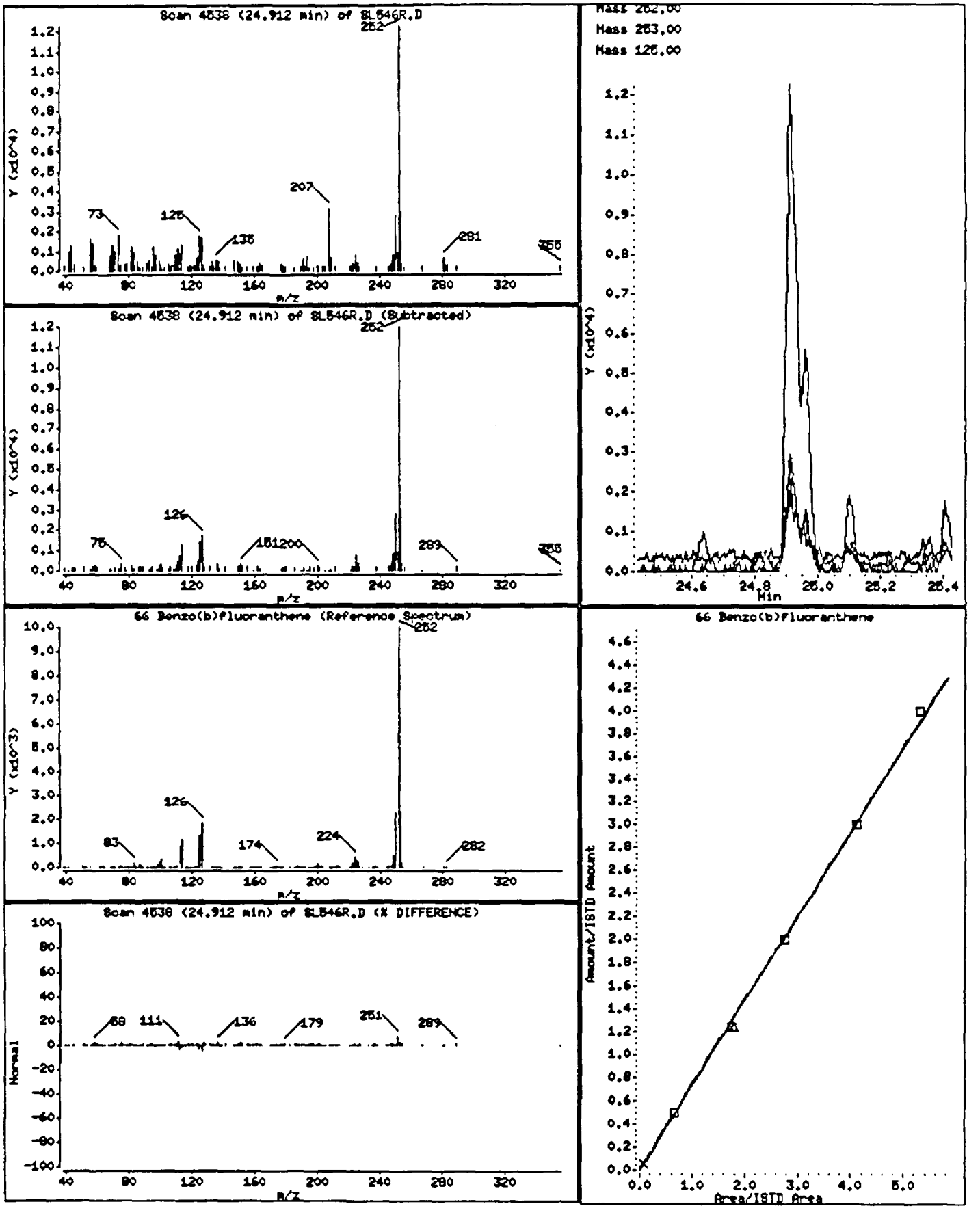








66 Benzo(b)fluoranthene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D
Lab Smp Id: DJRP020U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 16:01
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp020u,00930a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00930a.b\clp31.m
Meth Date : 02-Oct-2000 07:48 ulmanm Quant Type: ISTD
Cal Date : 30-SEP-2000 12:39 Cal File: 8SML0930.D
Als bottle: 7
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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

Name	Value	Description
DF	2.000	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	30.100	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.898	1853273	40.000
* 2 Naphthalene-d8	10.375	2407953	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
5.273	53448847	1153.60979	38000	99		0	1

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.245	988142	16.4146393	540	0		0	2

Data File: \\qoanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D

Date : 30-SEP-2000 16:01

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp020u,00930a.b,olp31,1-olp90.sub

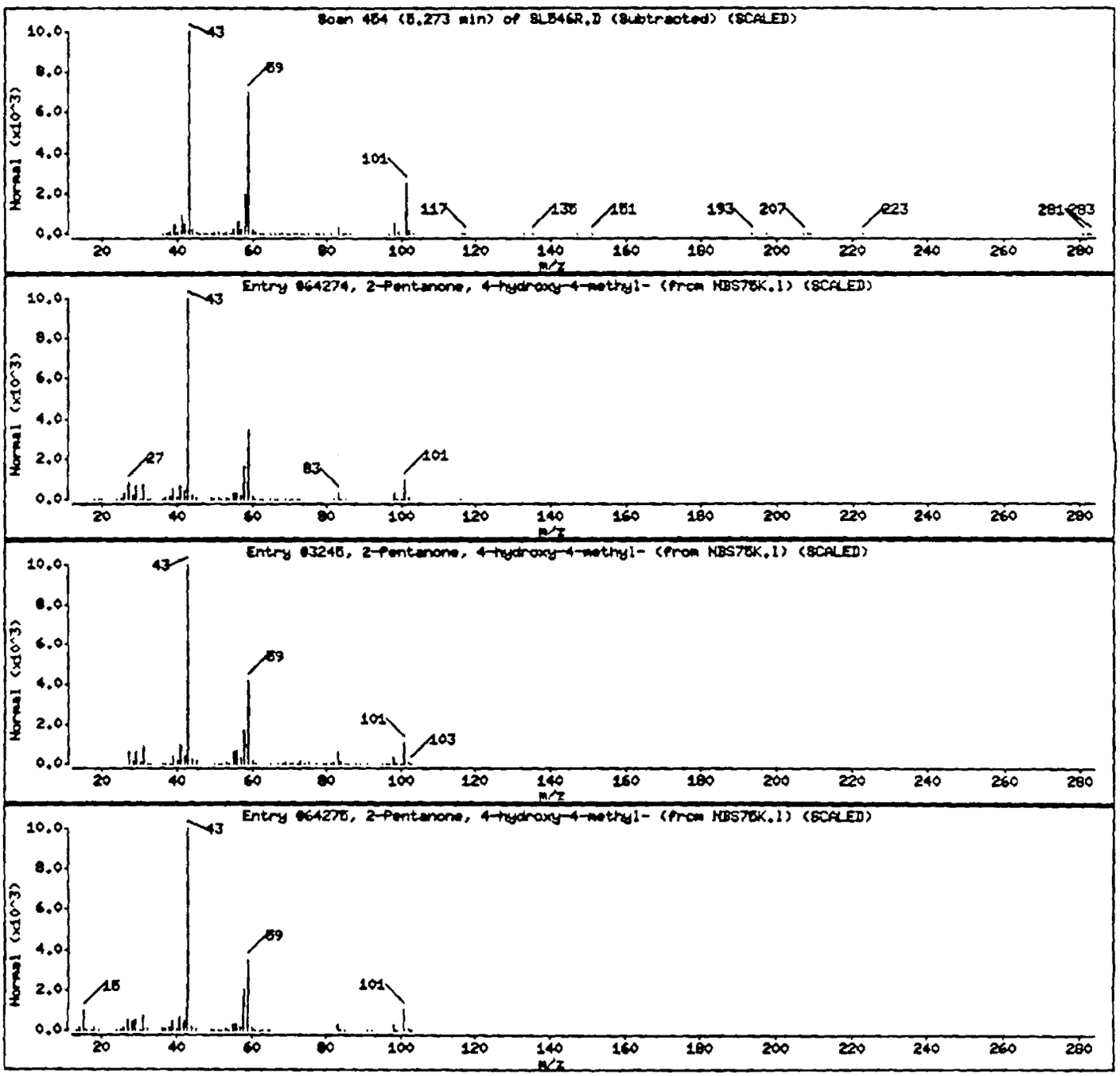
Volume Injected (uL): 2.0

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	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	47	C6H12O2	116



STL North Canton

Data File: \\ecanoh05\dd\chem\HSS\a4hp8.i\00930a.b\SL546R.D

Date : 30-SEP-2000 16:01

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp020u,00930a.b,olp31,1-olp90.sub

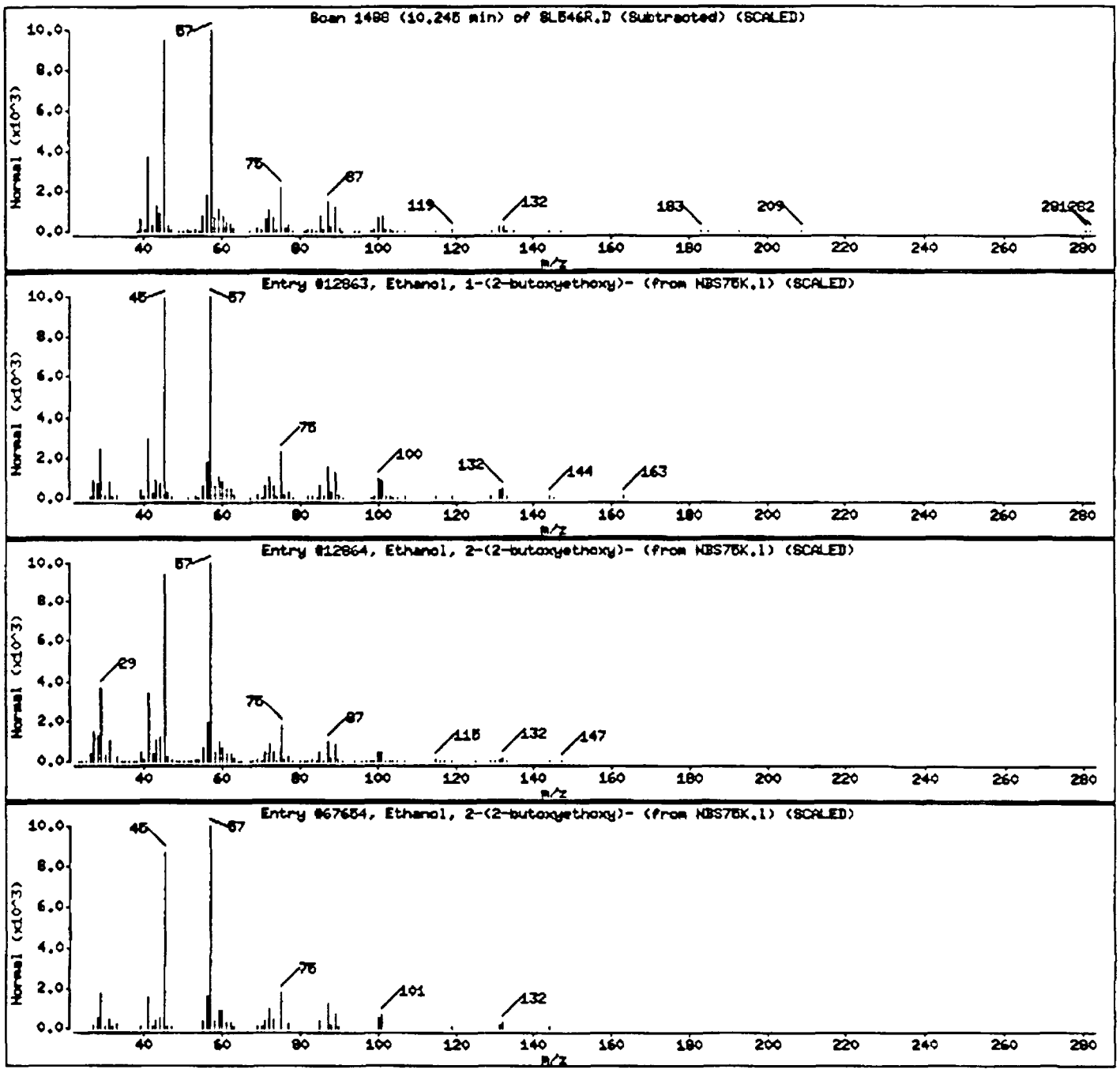
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C8H18O3	162



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitrosodi-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethyl phthalate	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	**Phenanthrene**	**60**	**J**
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	**Fluoranthene**	**100**	**J**
129-00-0	**Pyrene**	**52**	**J**
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	**Benzo(a)anthracene**	**50**	**J**
218-01-9	**Chrysene**	**67**	**J**

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**59**	**J**
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	**Benzo(b)fluoranthene**	**68**	**J**
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(ghi)perylene	380	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

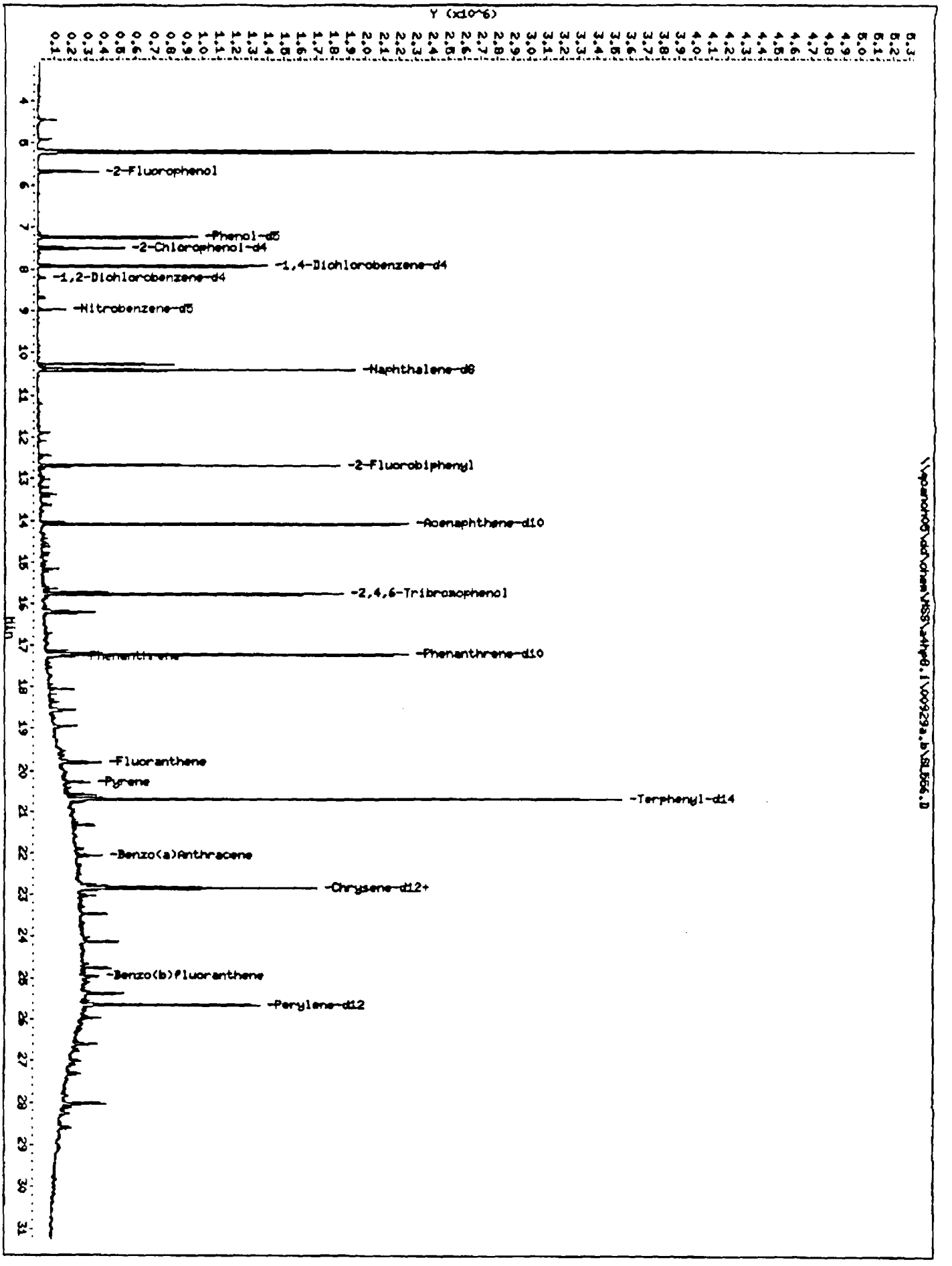
Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2227	4400	JA
	Unknown	10.286	310	J
	Unknown Hydrocarbon	16.201	160	J
	Unknown	18.547	97	J
	Unknown Hydrocarbon	20.572	85	J
	Unknown Hydrocarbon	22.789	100	J
	Unknown Hydrocarbon	23.472	88	J
	Unknown Hydrocarbon	24.126	110	J
	Unknown Hydrocarbon	24.765	130	J
	Unknown Hydrocarbon	25.381	260	J
	Unknown Hydrocarbon	25.972	89	J
	Unknown Hydrocarbon	26.602	140	J
	Unknown	26.766	110	J
57-88-5	Cholesterol	27.016	93	NJ
	Unknown Hydrocarbon	27.319	95	J
	Unknown	28.03	290	J
	Unknown	28.612	96	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-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Benzo(a)Anthracene
-Chrysene-d12+
-Benzo(b)fluoranthene
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D
Lab Smp Id: DJRP710U Client Smp ID: SL55-6"
Inj Date : 30-SEP-2000 01:33
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp710u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.200	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	7.934	7.940	(1.000)	337068	40.0000	
* 2 Naphthalene-d8	136	10.416	10.426	(1.000)	1369670	40.0000	
* 3 Acenaphthene-d10	164	14.080	14.095	(1.000)	821564	40.0000	
* 4 Phenanthrene-d10	188	17.230	17.240	(1.000)	1363117	40.0000	
* 5 Chrysene-d12	240	22.856	22.866	(1.000)	860839	40.0000	
* 6 Perylene-d12	264	25.660	25.665	(1.000)	671096	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.					

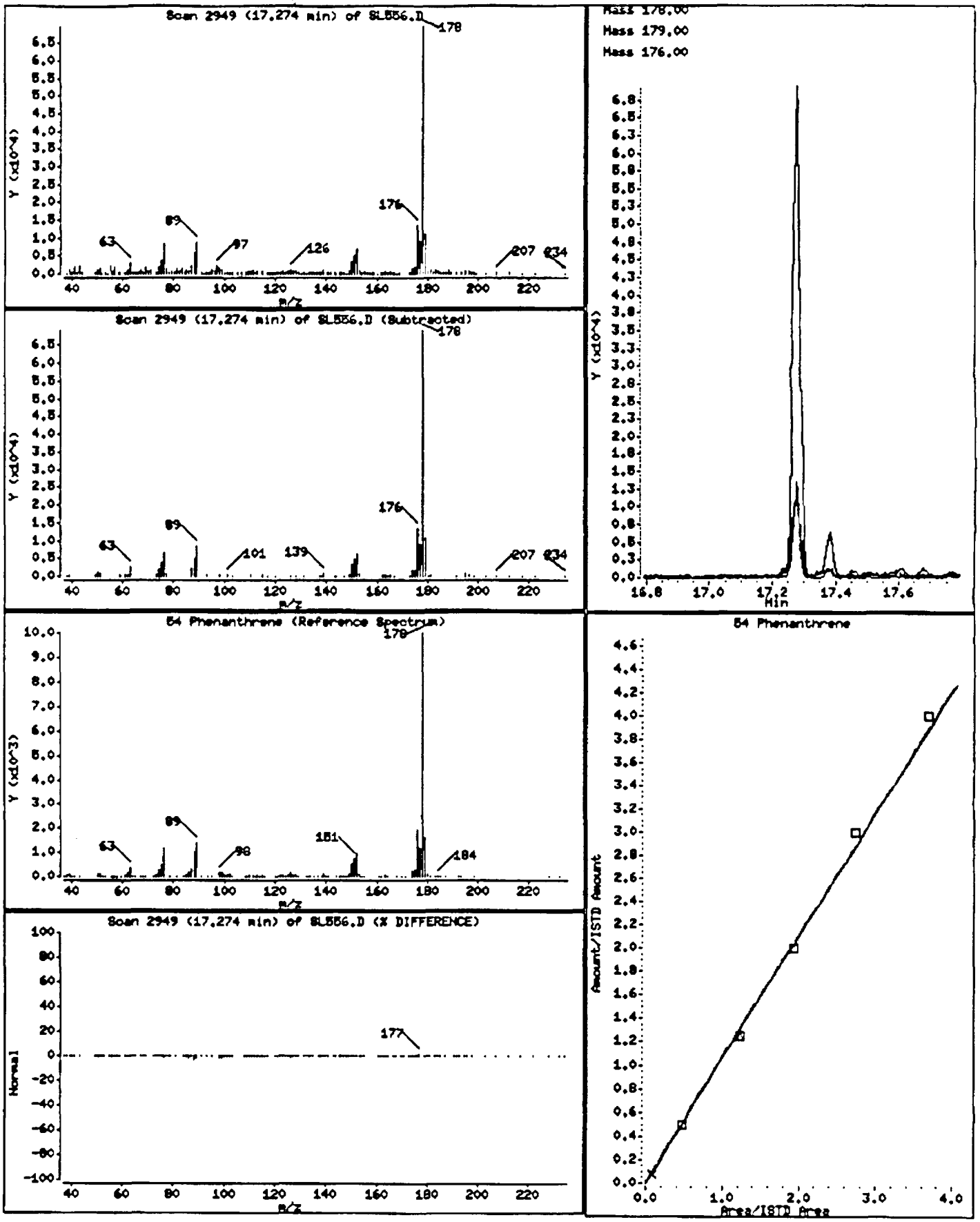
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	17.273	17.293	(1.002)	106042	3.11986	52(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.798	19.813	(1.149)	171684	5.24738	87(a)
59 Pyrene	202	20.274	20.289	(0.887)	82899	2.73240	45(a)
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	22.832	22.842	(0.999)	60947	2.61345	43(a)
63 Chrysene	228	22.904	22.919	(1.002)	79023	3.52244	58(a)
64 bis(2-ethylhexyl)Phthalate	149	23.029	23.039	(1.008)	50431	3.07467	51(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.962	24.977	(0.973)	83962	3.54911	59(a)
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	8.978	8.998	(0.862)	89758	6.42376	110(aR)
$ 73 2-Fluorobiphenyl	172	12.685	12.696	(0.901)	874670	39.2377	650
$ 74 Terphenyl-d14	244	20.683	20.683	(0.905)	2011227	96.2202	1600
$ 75 Phenol-d5	99	7.247	7.262	(0.913)	546211	36.2812	600
$ 76 2-Fluorophenol	112	5.669	5.670	(0.715)	172977	15.4918	260(aR)
$ 77 2,4,6-Tribromophenol	330	15.758	15.764	(0.915)	368769	118.615	2000(Q)
$ 78 2-Chlorophenol-d4	132	7.506	7.517	(0.946)	222127	22.5132	370(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.213	8.223	(1.035)	10276	1.52979	25(a)

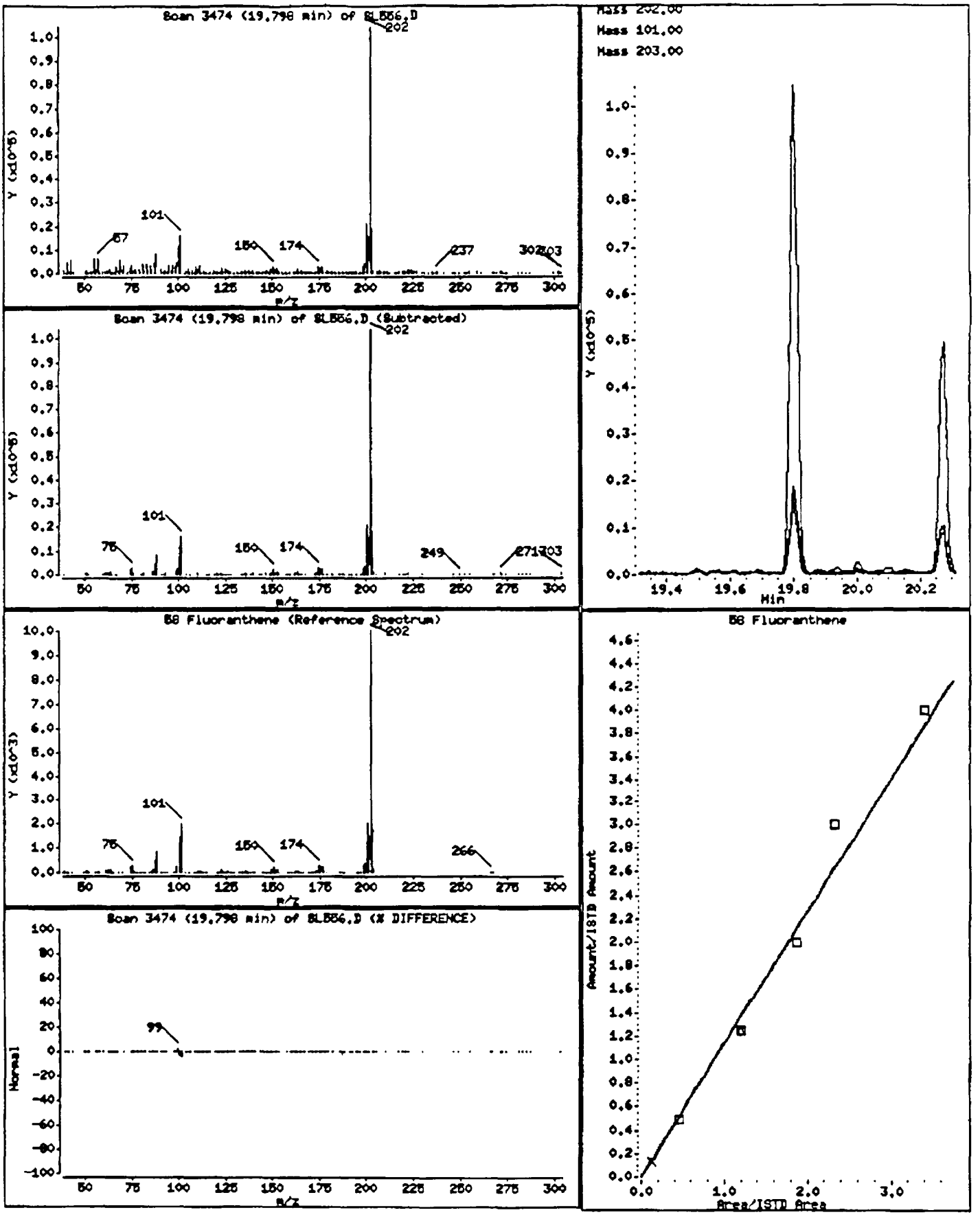
QC Flag Legend

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.

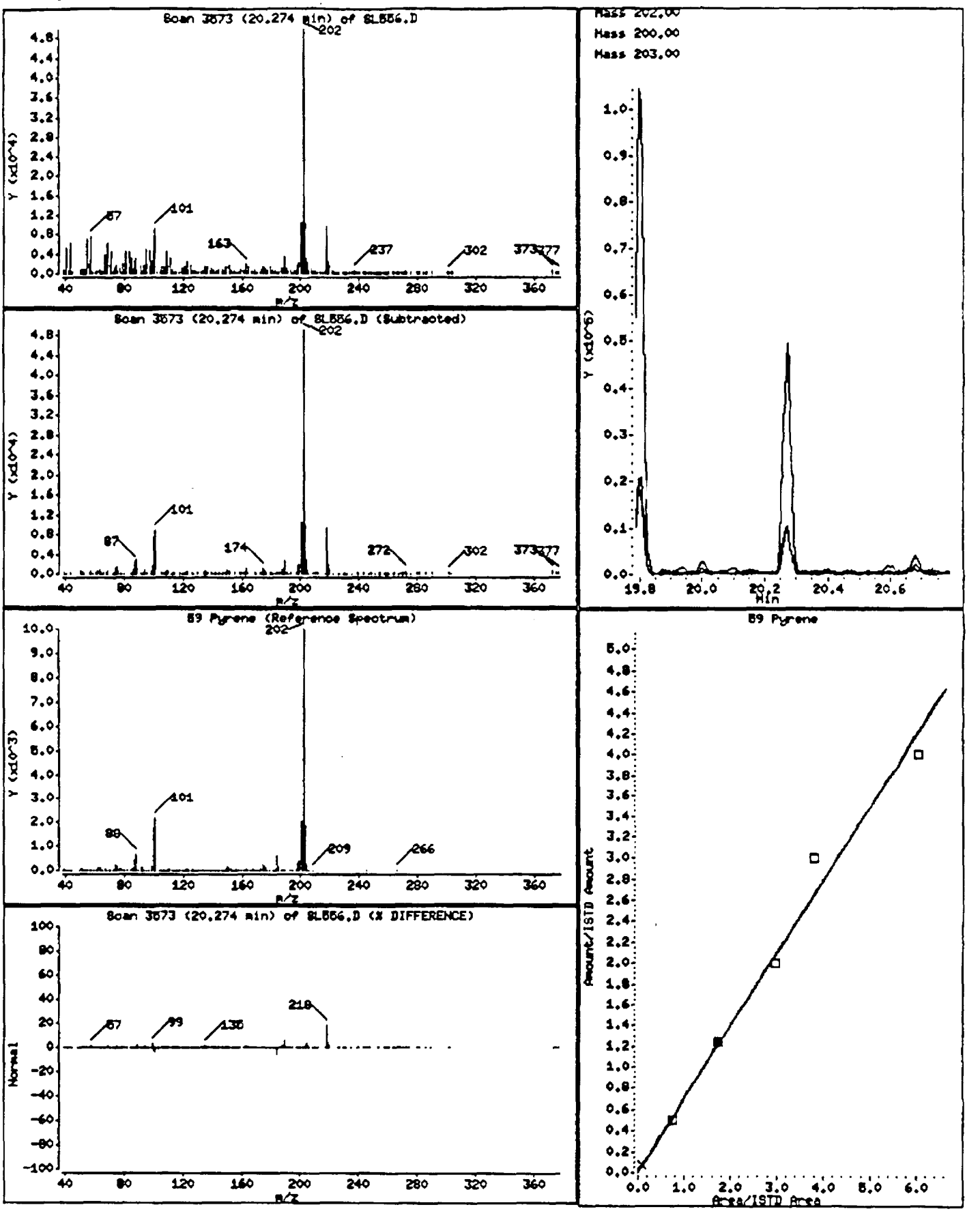
54 Phenanthrene



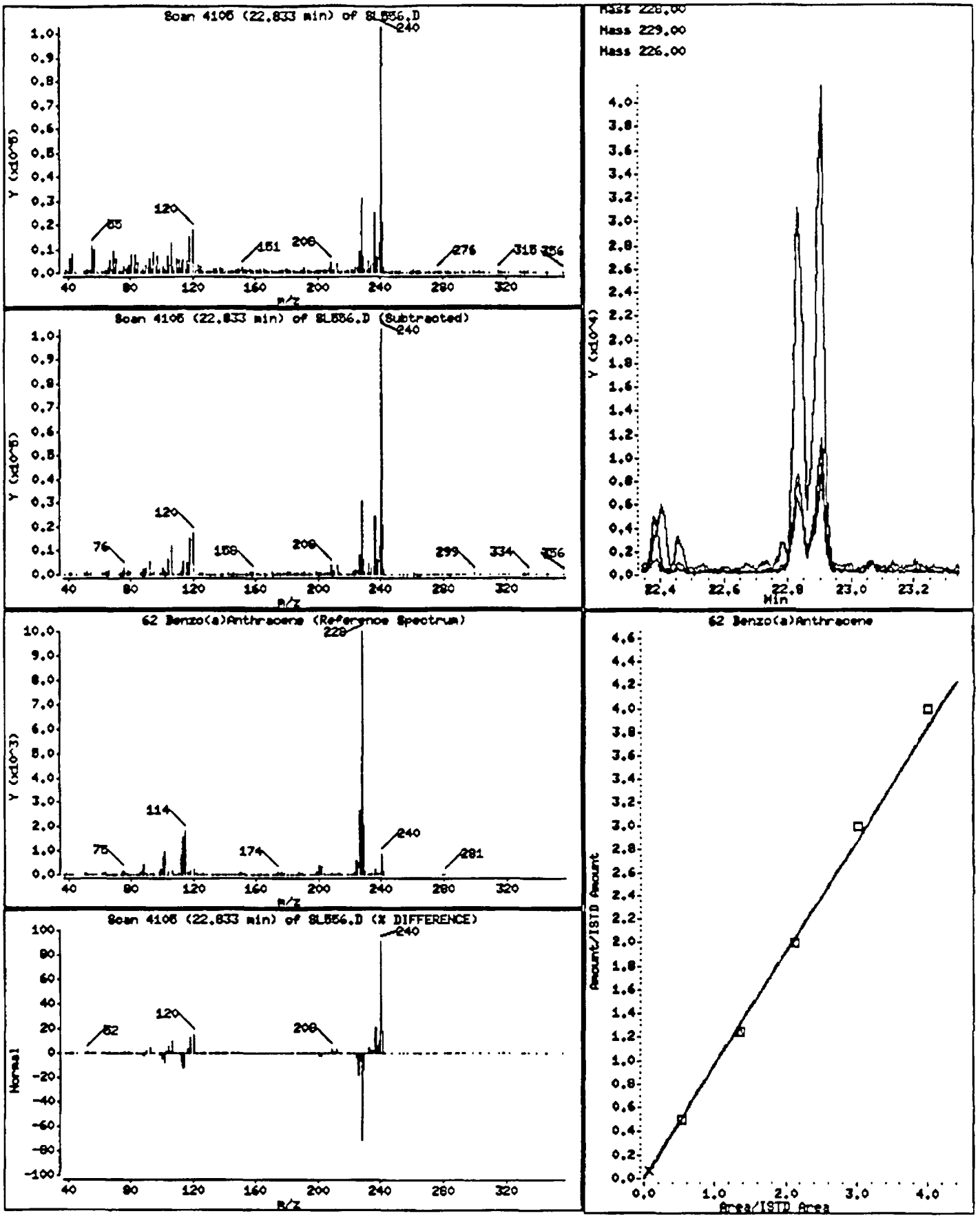
58 Fluoranthene



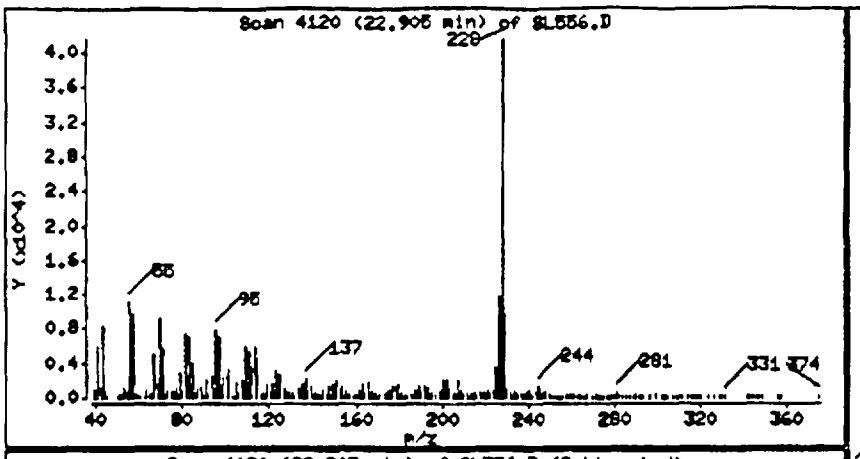
59 Pyrene

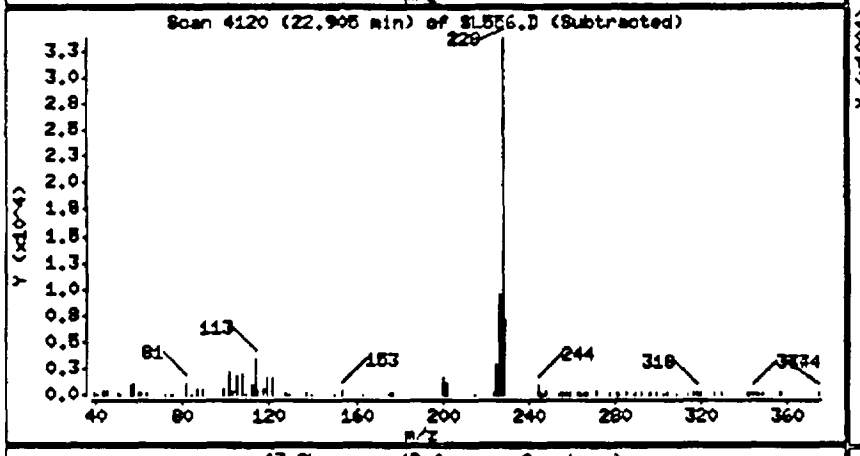

Scan 3673 (20.274 min) of SL556.D
Scan 3673 (20.274 min) of SL556.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3673 (20.274 min) of SL556.D (% DIFFERENCE)
Y (x10^4)
Y (x10^3)
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^6)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

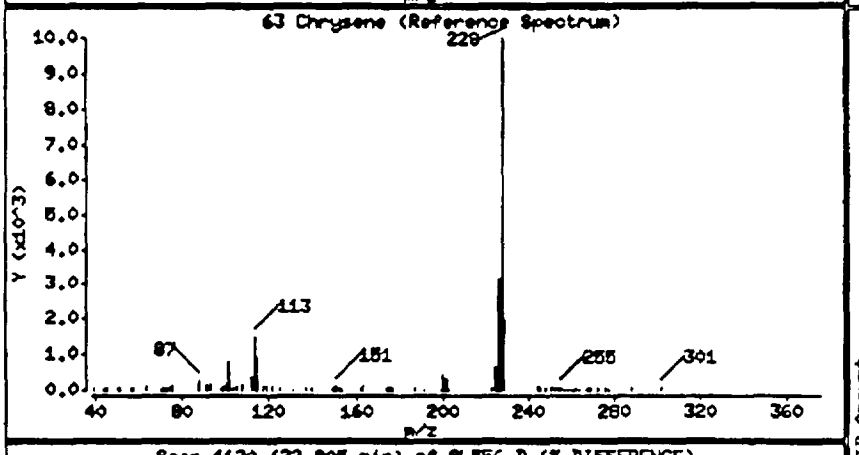
62 Benzo(a)Anthracene

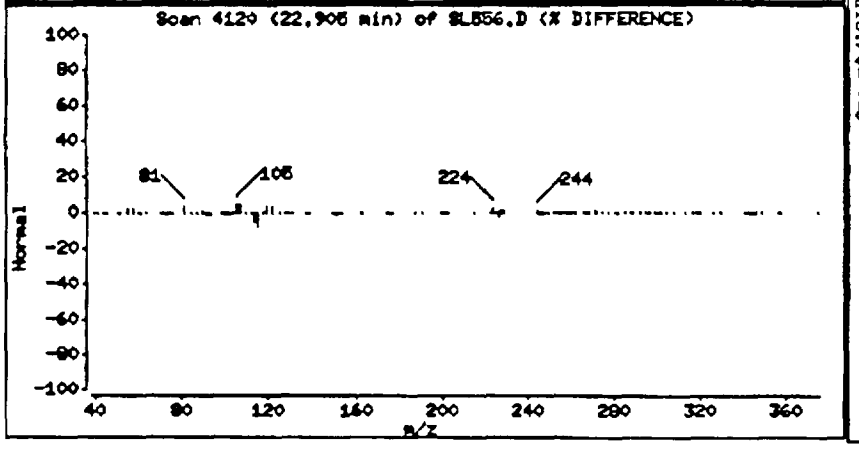


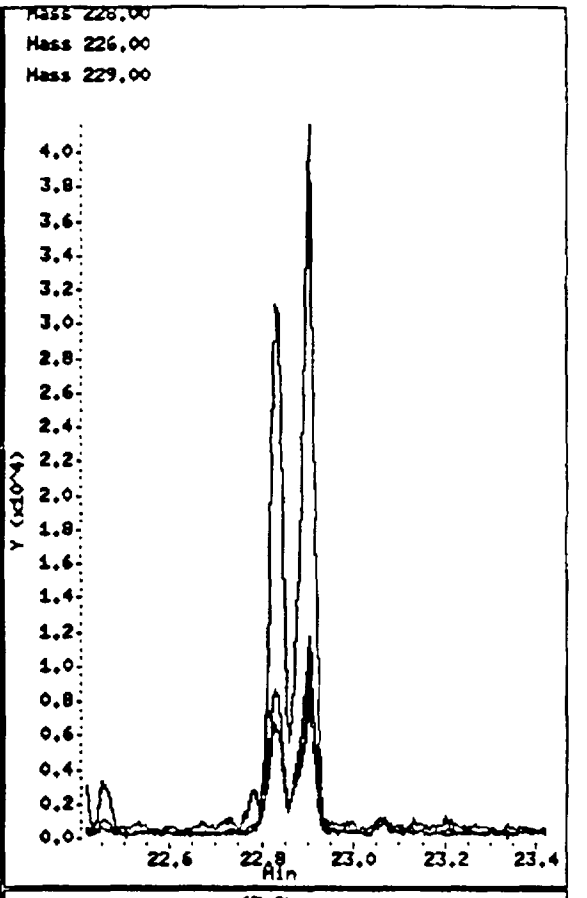
63 Chrysene

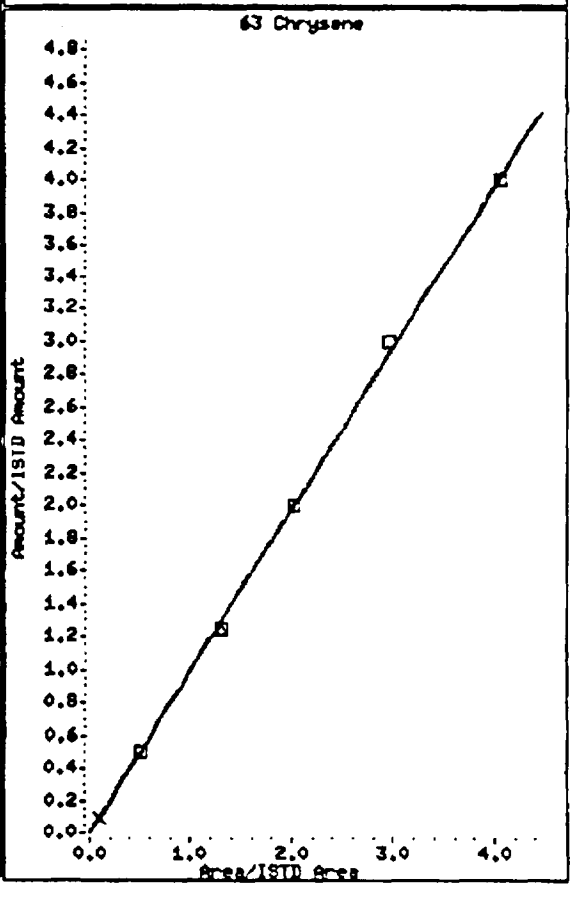

Scan 4120 (22.906 min) of SL556.D
228
55
95
137
244
281
331
374
Y (x10^4)
m/z


Scan 4120 (22.906 min) of SL556.D (Subtracted)
228
81
113
153
244
318
374
Y (x10^4)
m/z

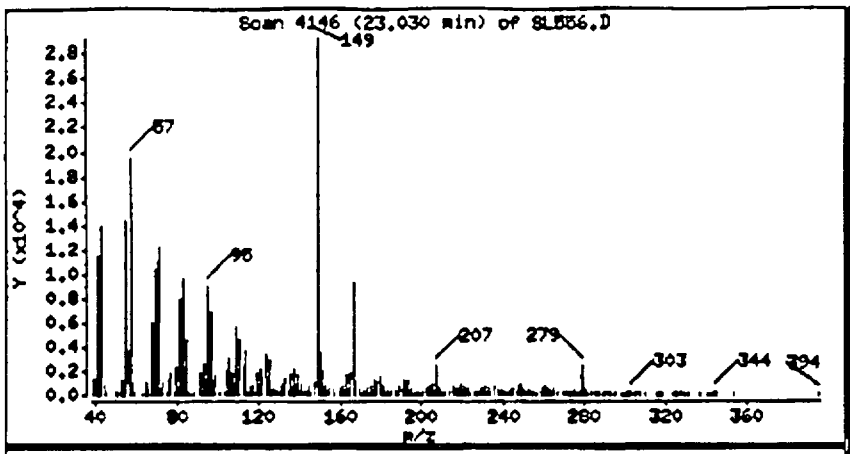

63 Chrysene (Reference Spectrum)
228
87
113
151
255
301
Y (x10^3)
m/z

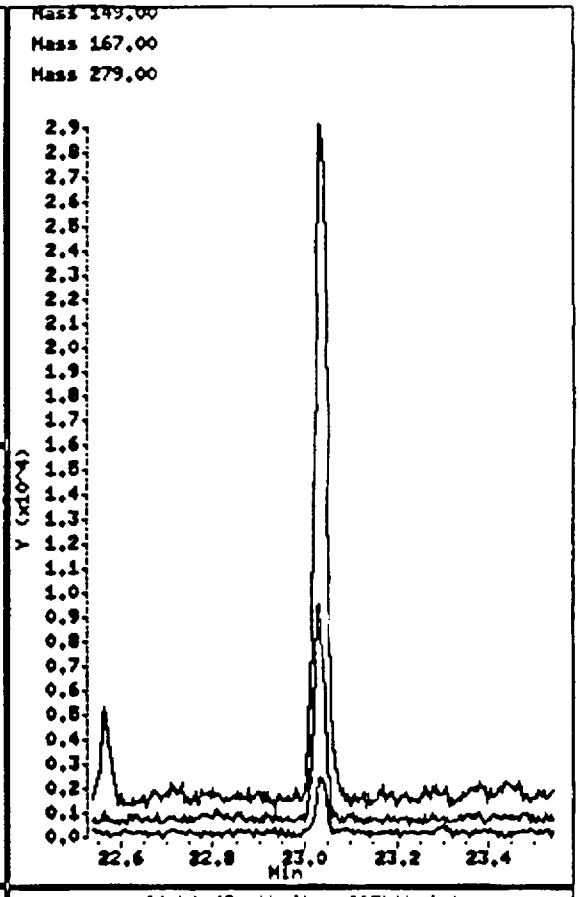

Scan 4120 (22.906 min) of SL556.D (% DIFFERENCE)
81
105
224
244
Normal
m/z

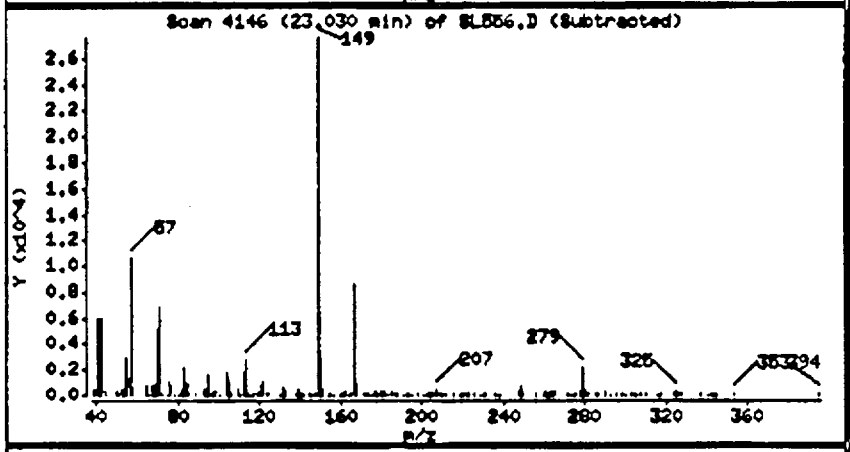

Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^4)
Min

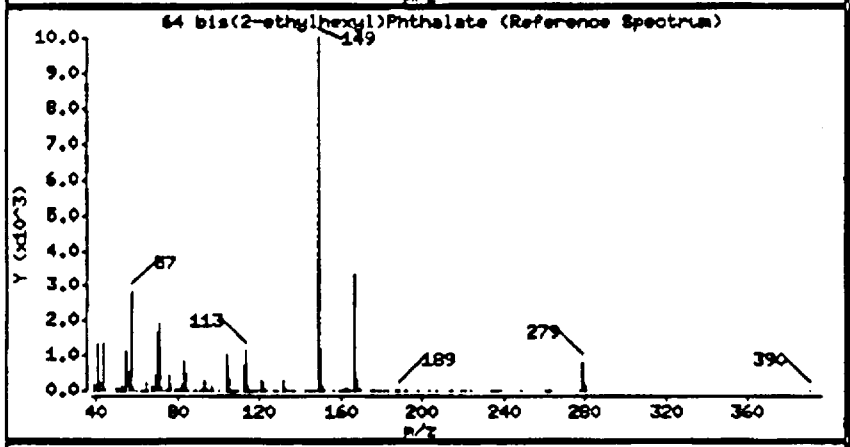

63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

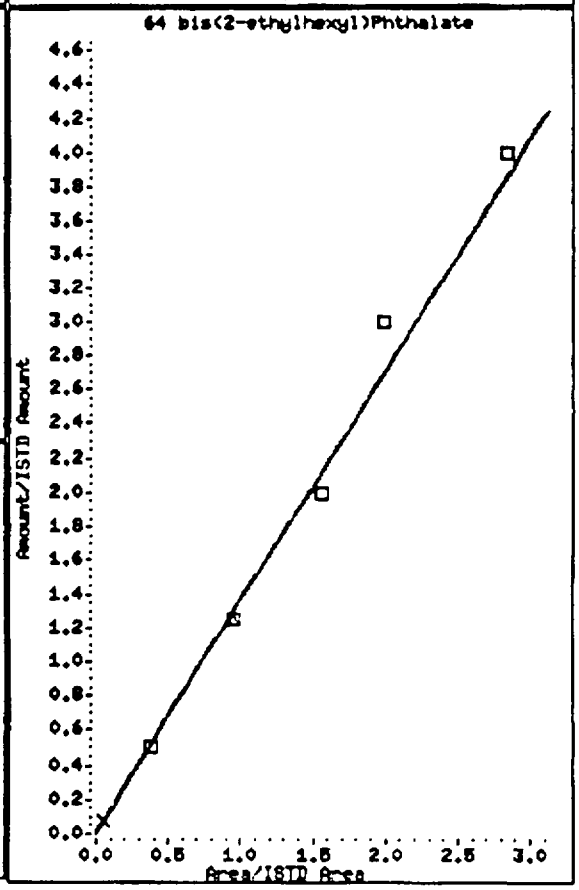
64 bis(2-ethylhexyl)Phthalate

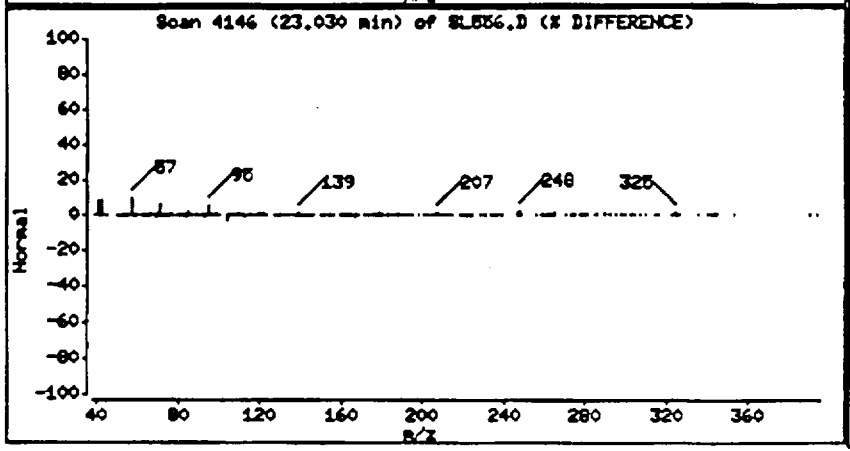




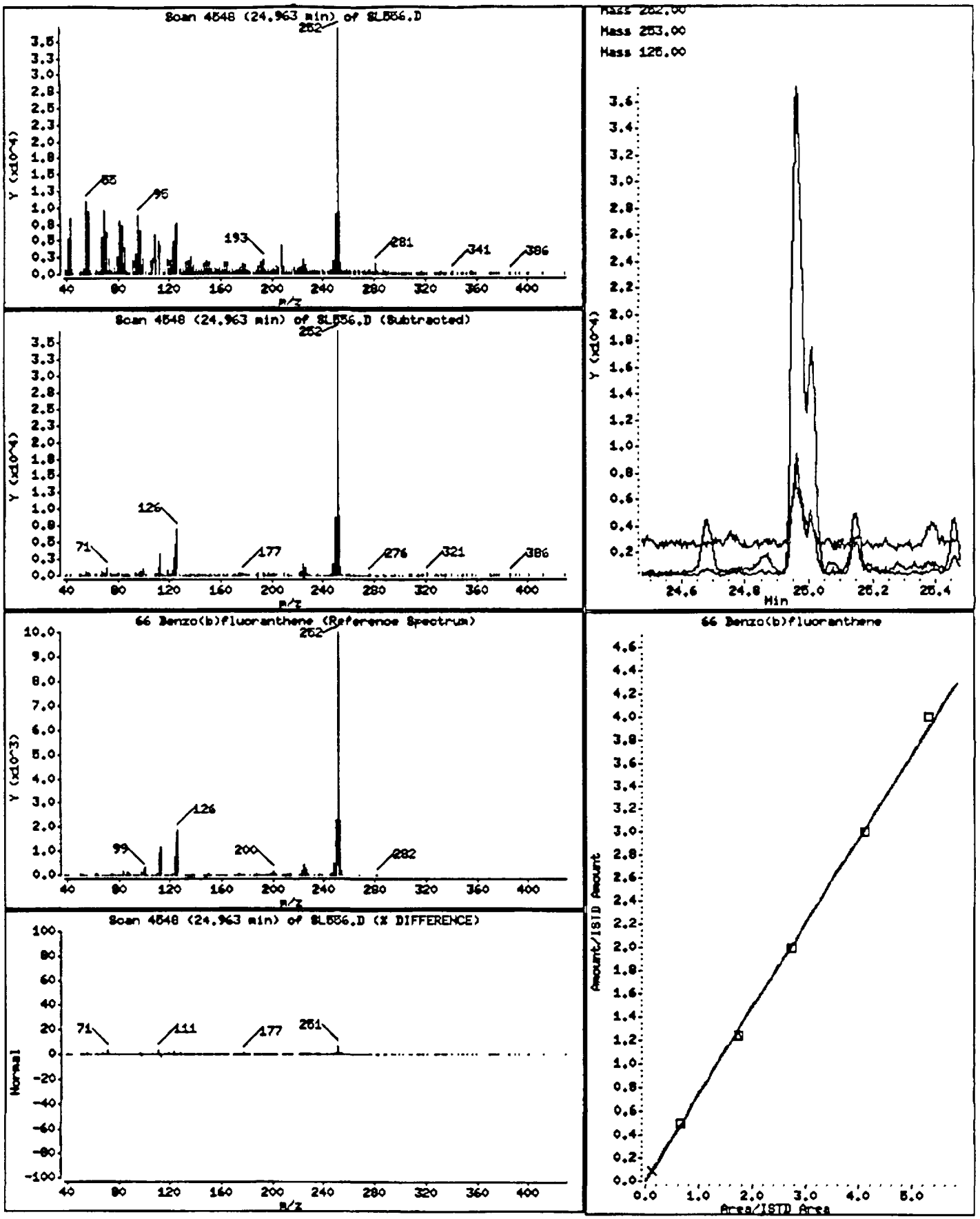








66 Benzo(b)fluoranthene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D
Lab Smp Id: DJRP710U Client Smp ID: SL55-6"
Inj Date : 30-SEP-2000 01:33
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp710u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.200	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.935	2179601	40.000
* 2 Naphthalene-d8	10.416	2957150	40.000
* 4 Phenanthrene-d10	17.230	3949344	40.000
* 5 Chrysene-d12	22.857	2842850	40.000
* 6 Perylene-d12	25.660	1946980	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 Aldol Condensate				CAS #:			
5.223	12610371	231.425313	3800	99		0	1
Unknown				CAS #:			
10.286	1204645	16.2946715	270	0		0	2
Unknown Hydrocarbon				CAS #:			
16.201	817997	8.28488984	140	99		0	4
Unknown				CAS #:			
18.548	501567	5.08000757	84	0		0	4
Unknown Hydrocarbon				CAS #:			
20.572	313571	4.41207014	73	99		0	5
Unknown Hydrocarbon				CAS #:			
22.789	368213	5.18089213	86	99		0	5
Unknown Hydrocarbon				CAS #:			
23.472	324854	4.57082675	76	99		0	5
Unknown Hydrocarbon				CAS #:			
24.126	401421	5.64814812	94	99		0	5
Unknown Hydrocarbon				CAS #:			
24.766	325778	6.69299851	110	99		0	6
Unknown Hydrocarbon				CAS #:			
25.381	633114	13.0070983	220	99		0	6
Unknown Hydrocarbon				CAS #:			
25.973	227608	4.67612738	77	99		0	6
Unknown Hydrocarbon				CAS #:			
26.603	365303	7.50501076	120	99		0	6
Unknown				CAS #:			
26.766	274032	5.62989174	93	0		0	6
Cholesterol				CAS #:	57-88-5		
27.016	236128	4.85116651	80	83	NBS75K.1	74137	6
Unknown Hydrocarbon				CAS #:			
27.319	241897	4.96969092	82	99		0	6

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.031	733895	15.0776092	250	0		0	6
Unknown				CAS #:			
28.613	243994	5.01276160	83	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,clp31,i-clp90.sub

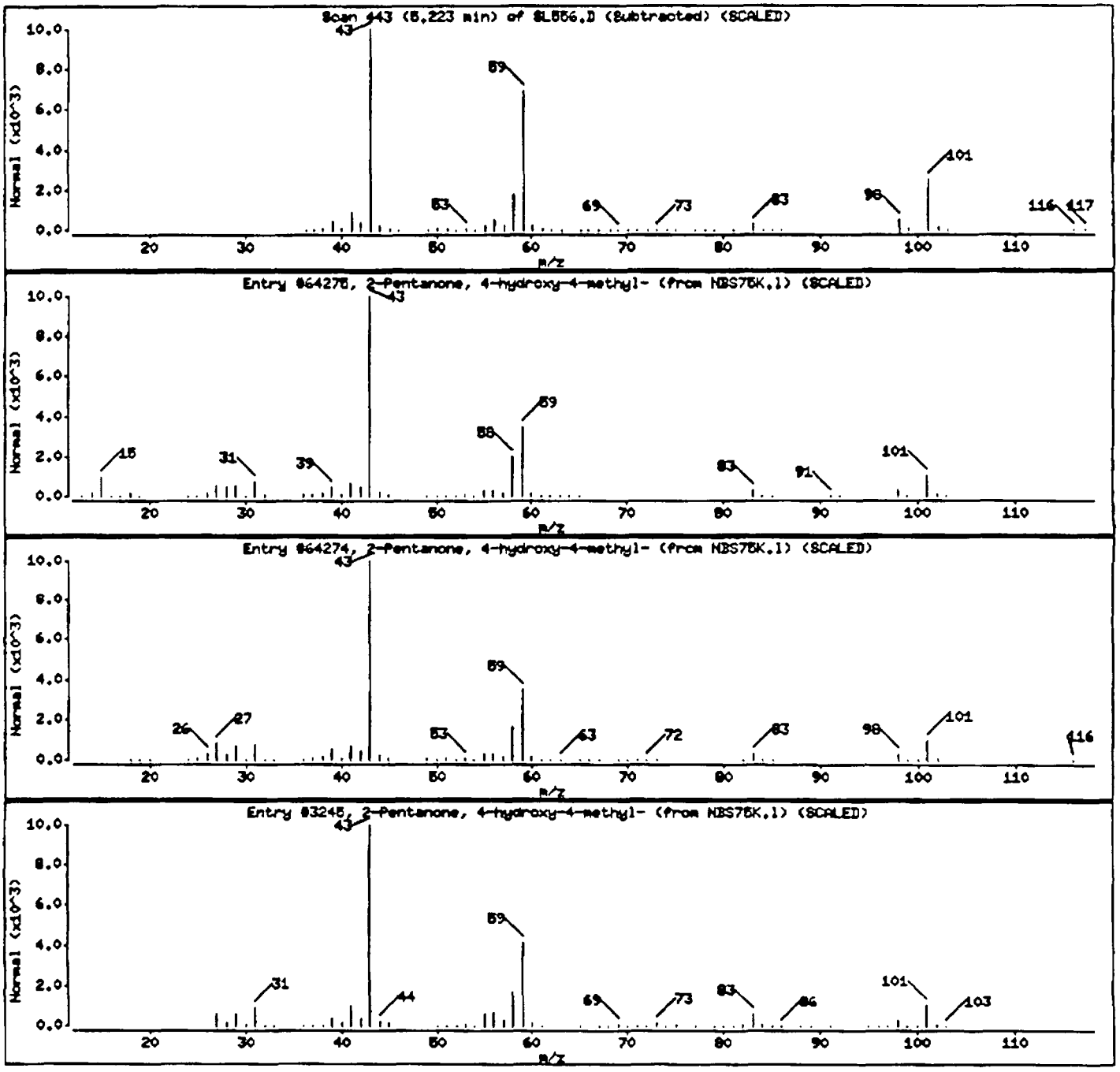
Volume Injected (uL): 2.0

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.1	64275	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	45	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	3245	33	C6H12O2	116



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,clp31,i-clp90.sub

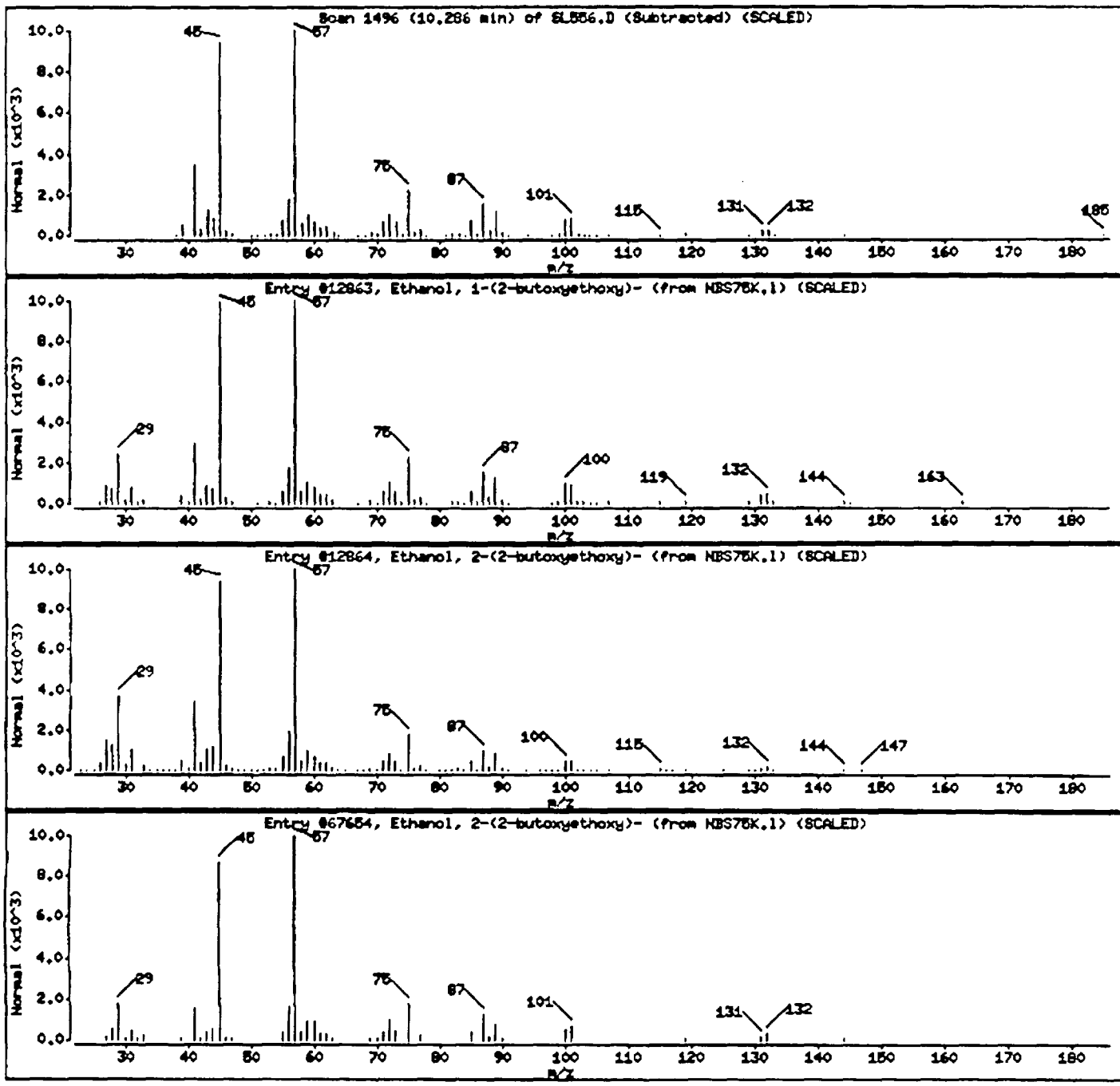
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	64446-78-5	NBS75K.1	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	83	C8H18O3	162



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

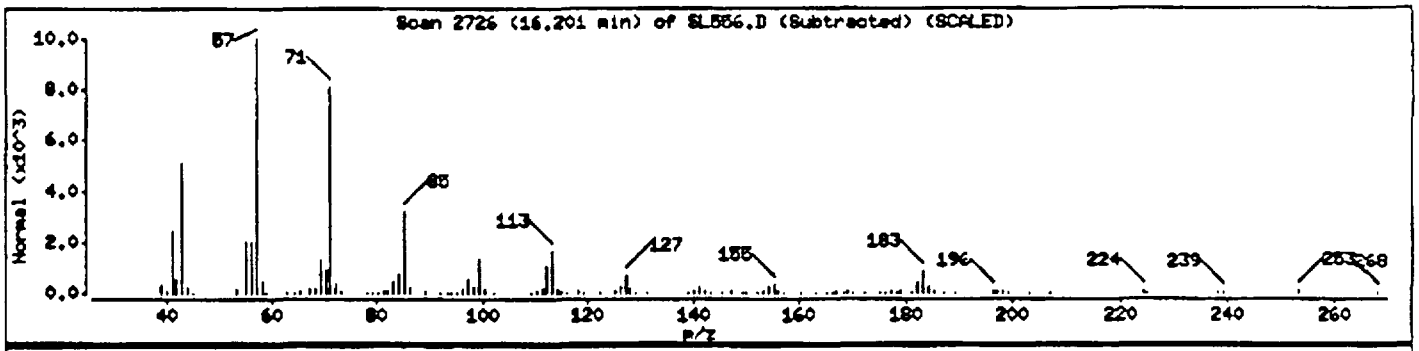
Volume Injected (uL): 2.0

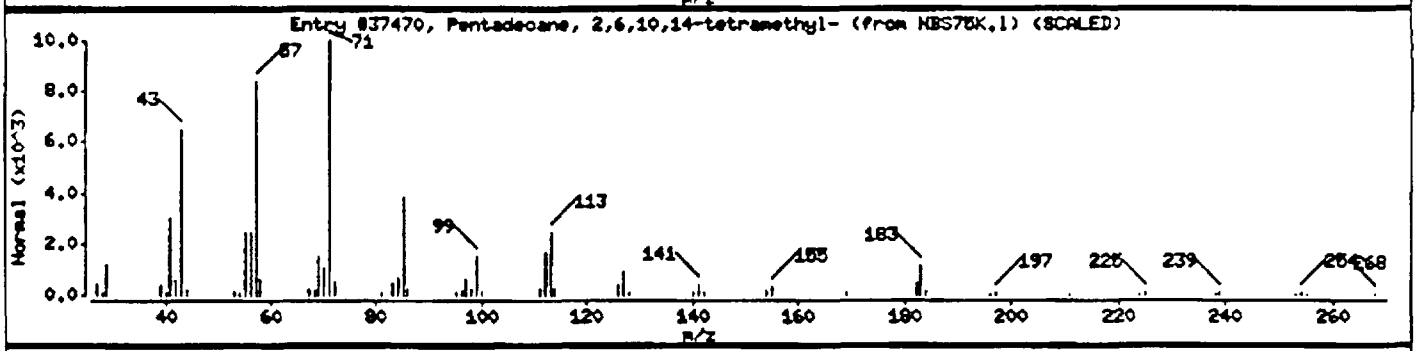
Operator: 001574

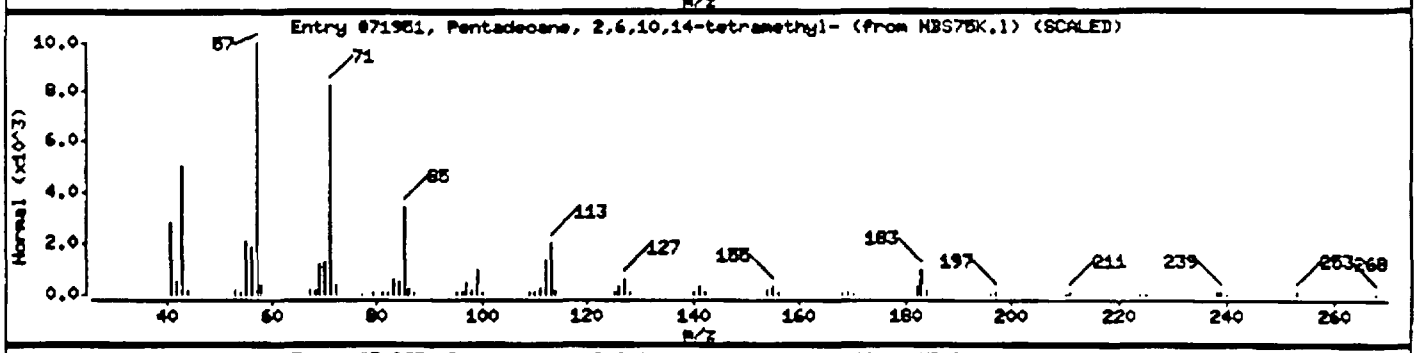
Column phase:

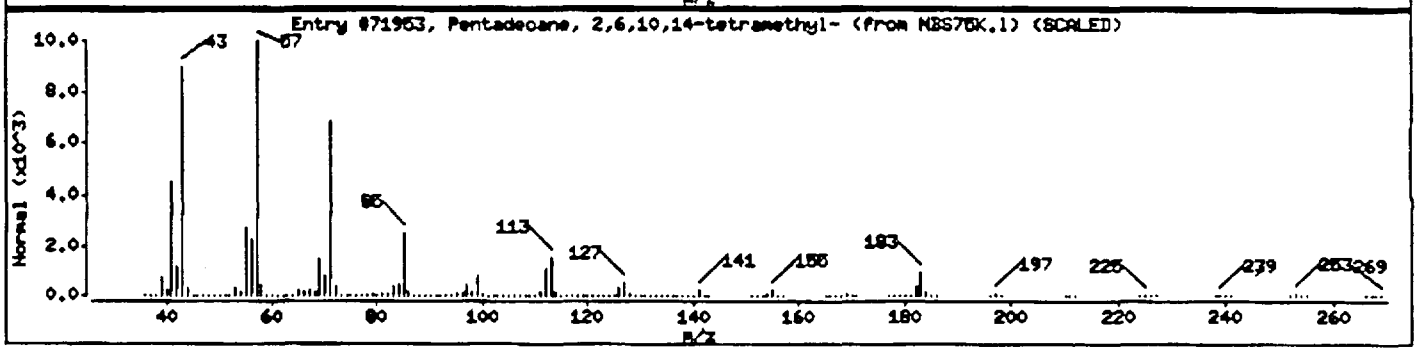
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.1	37470	99	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.1	71961	97	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.1	71963	95	C19H40	268









Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

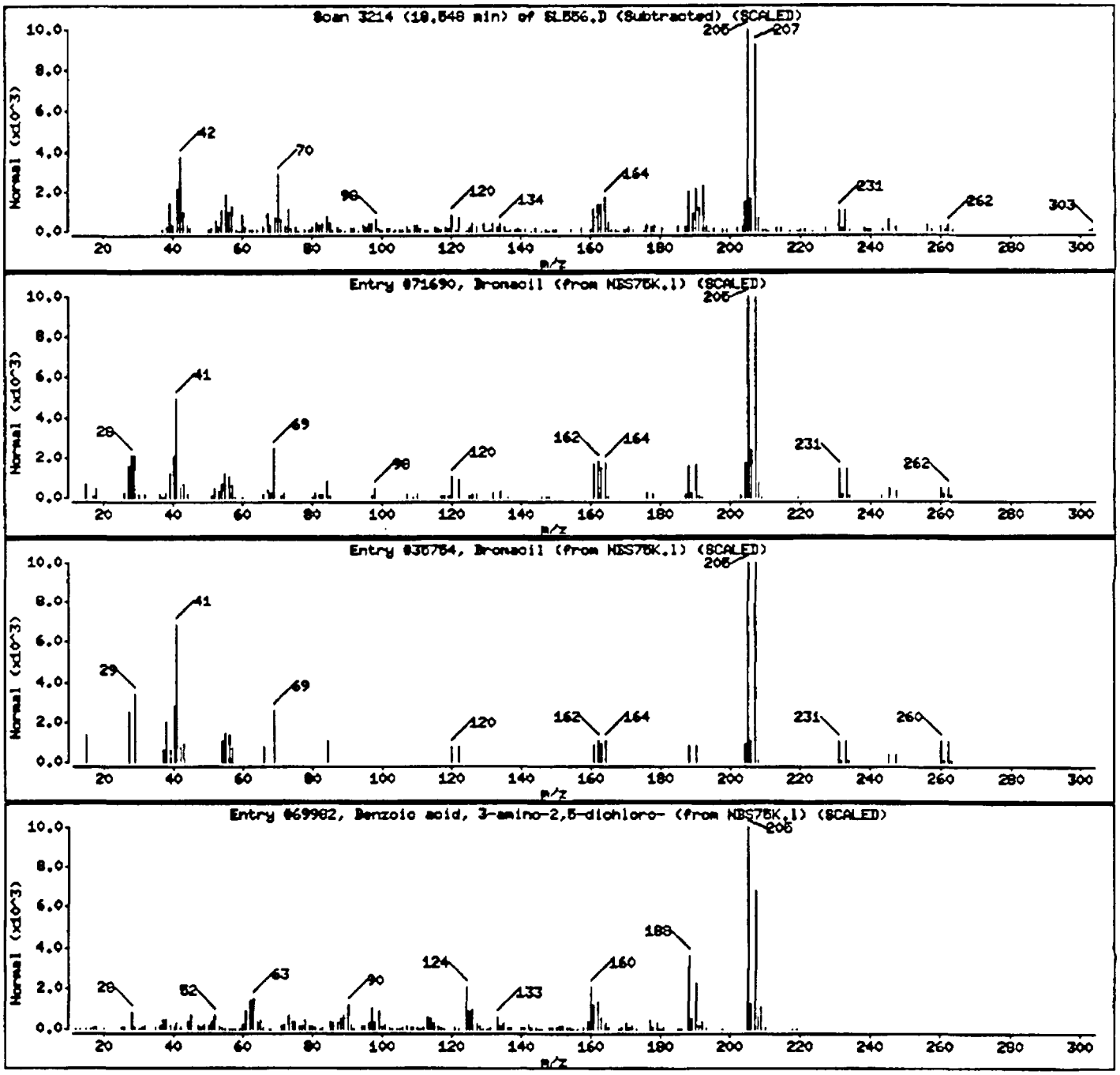
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bromacil	314-40-9	NBS75K.l	71690	97	C9H13BrN2O2	260
Bromacil	314-40-9	NBS75K.l	36754	76	C9H13BrN2O2	260
Benzoic acid, 3-amino-2,5-dichloro-	133-90-4	NBS75K.l	69982	68	C7H5Cl2NO2	205



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

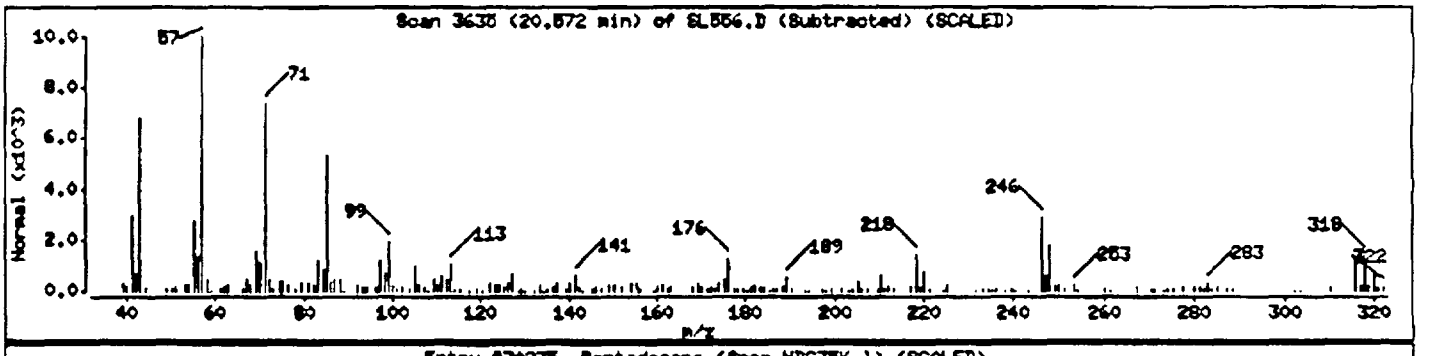
Volume Injected (uL): 2.0

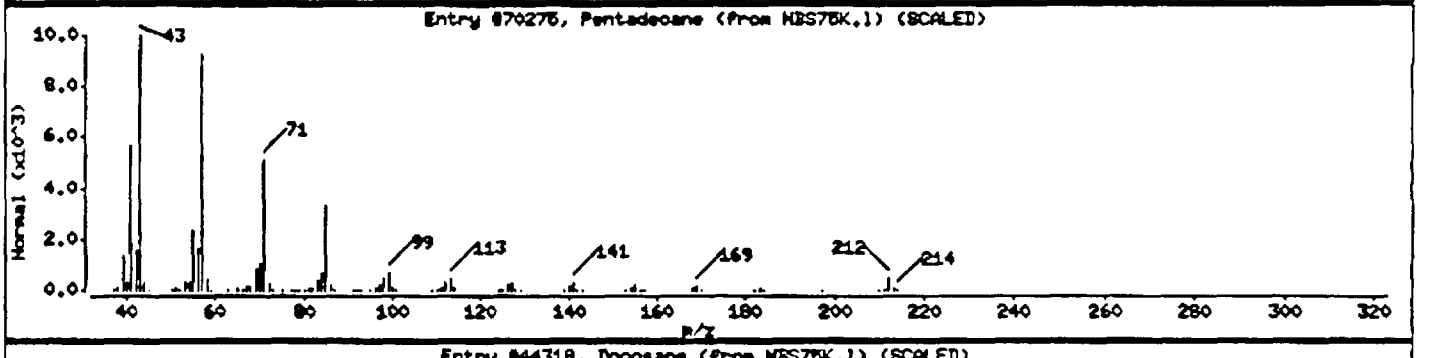
Operator: 001574

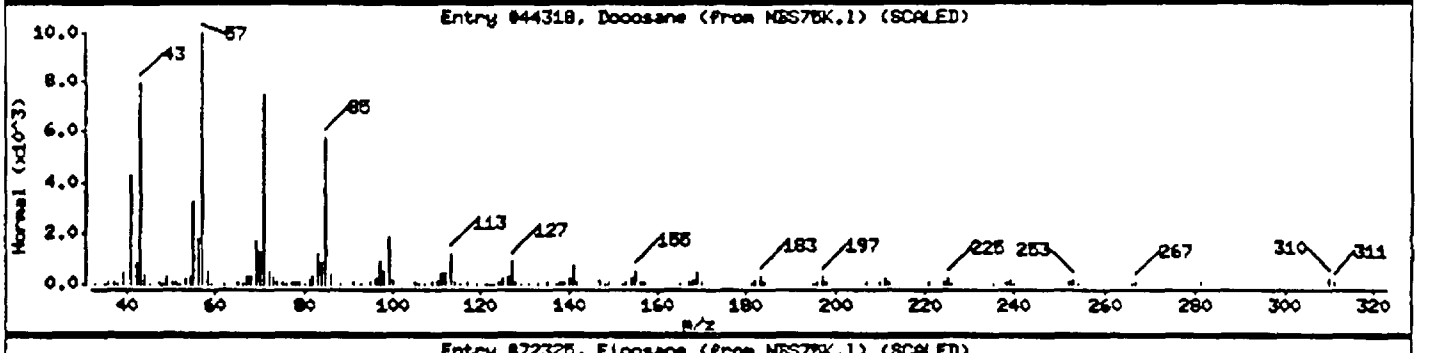
Column phase:

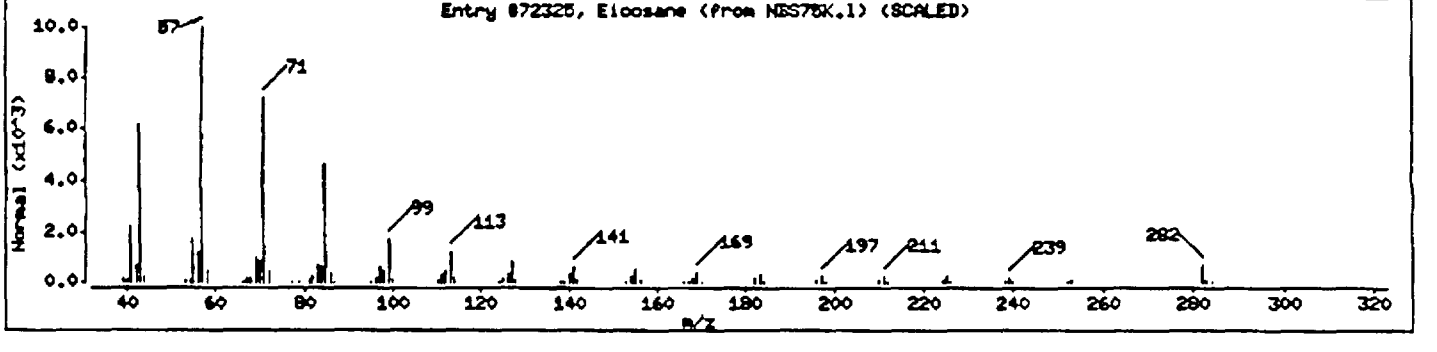
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70275	91	C15H32	212
Docosane	629-97-0	NBS75K.l	44318	91	C22H46	310
Eicosane	112-95-8	NBS75K.l	72325	78	C20H42	282









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Date : 30-SEP-2000 01:33

Client ID: SL55-6*

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

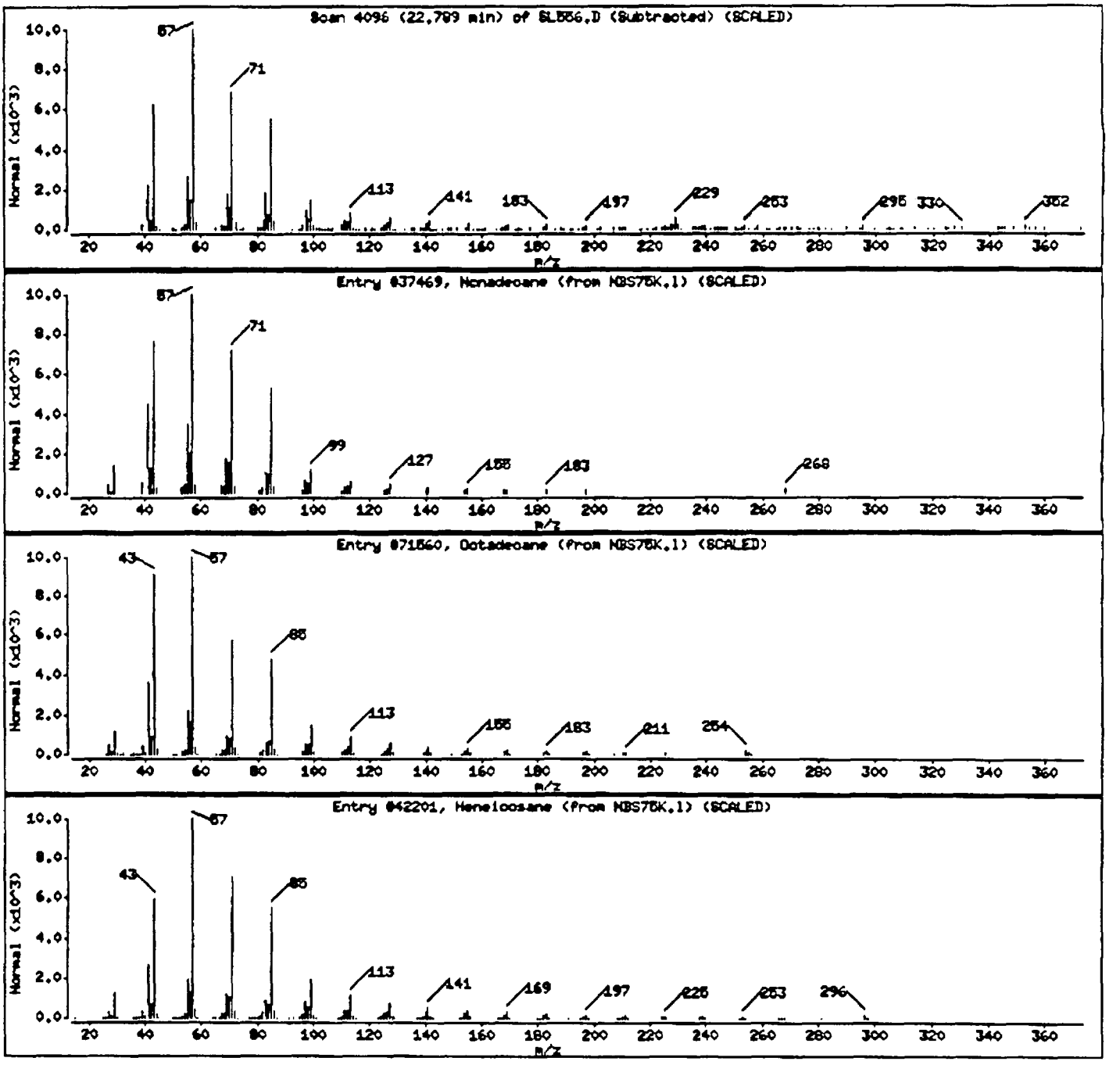
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane	629-92-5	NBS75K.l	37469	93	C19H40	268
Octadecane	593-45-3	NBS75K.l	71560	90	C18H38	254
Heneicosane	629-94-7	NBS75K.l	42201	90	C21H44	296



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

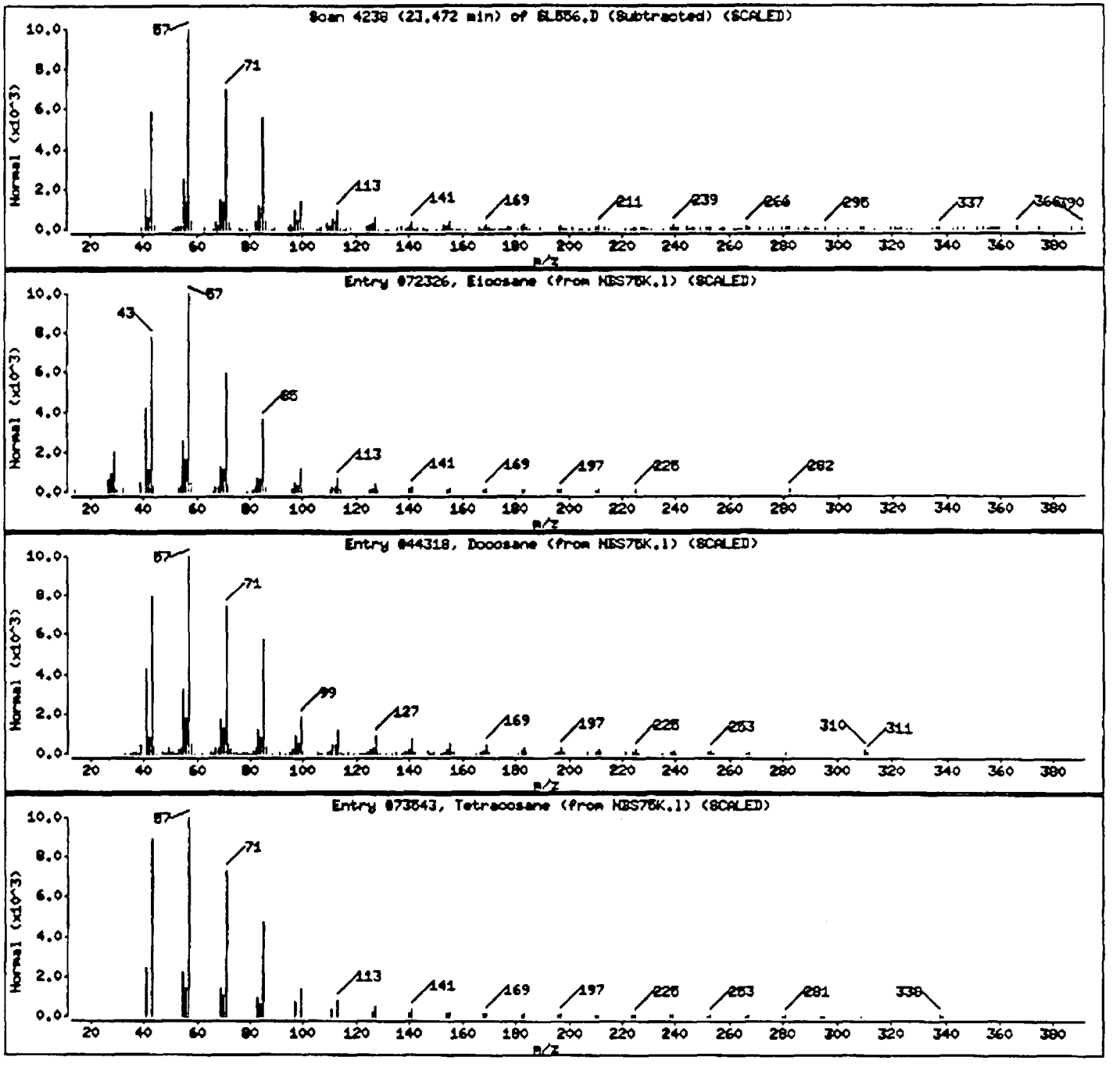
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.l	72326	96	C20H42	282
Docosane	629-97-0	NBS75K.l	44318	91	C22H46	310
Tetracosane	646-31-1	NBS75K.l	73543	91	C24H50	338



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,i-olp90,sub

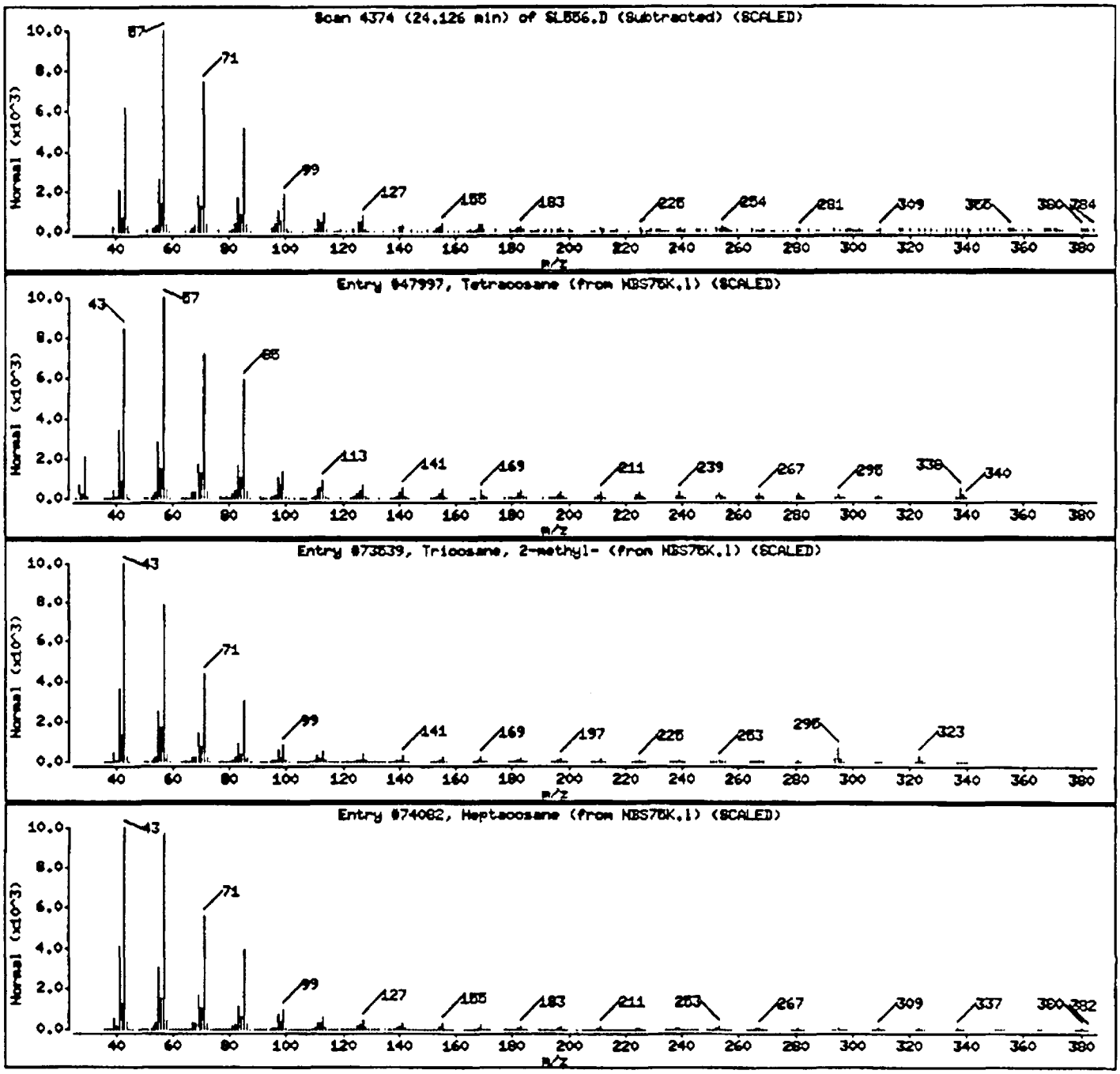
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tetracosane	646-31-1	NBS75K.l	47997	97	C24H50	338
Tricosane, 2-methyl-	1928-30-9	NBS75K.l	73539	94	C24H50	338
Heptacosane	593-49-7	NBS75K.l	74082	93	C27H56	380



Data File: \\epcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D

Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,clp31,1-clp90,sub

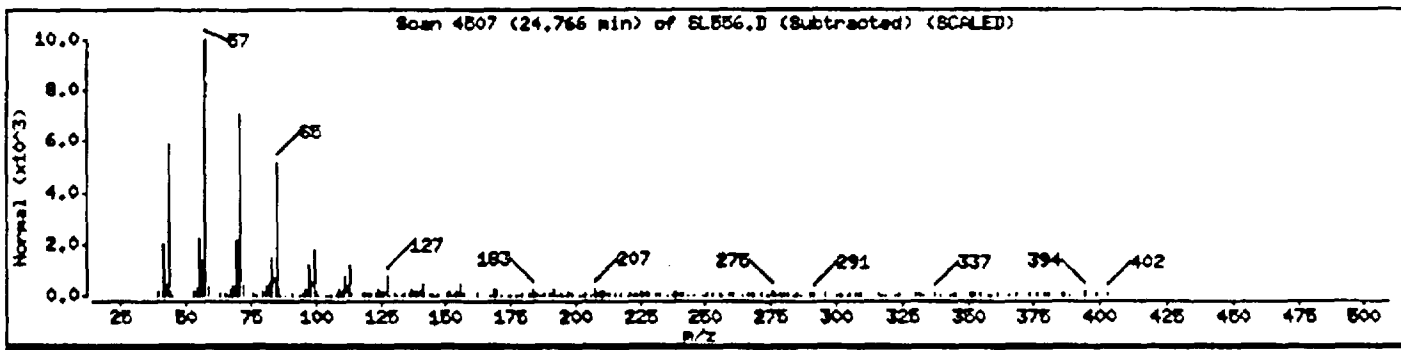
Volume Injected (uL): 2.0

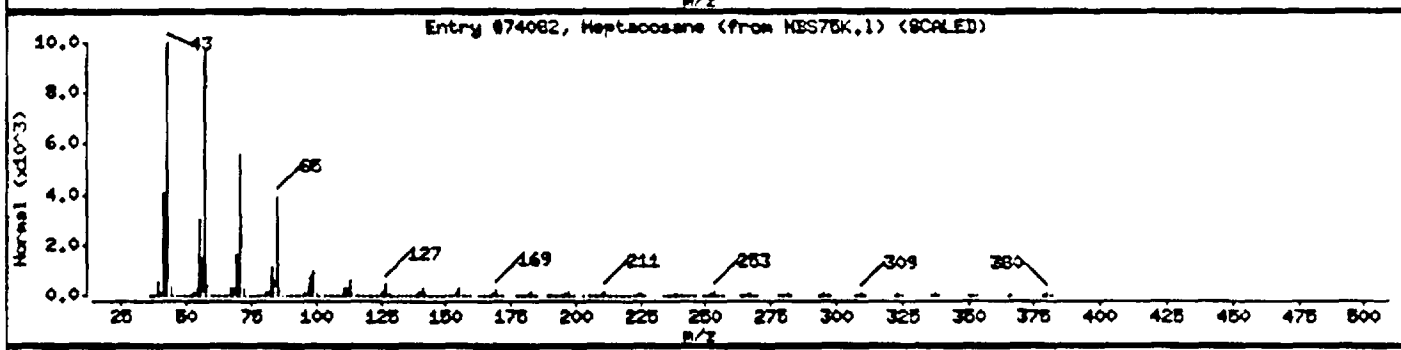
Operator: 001574

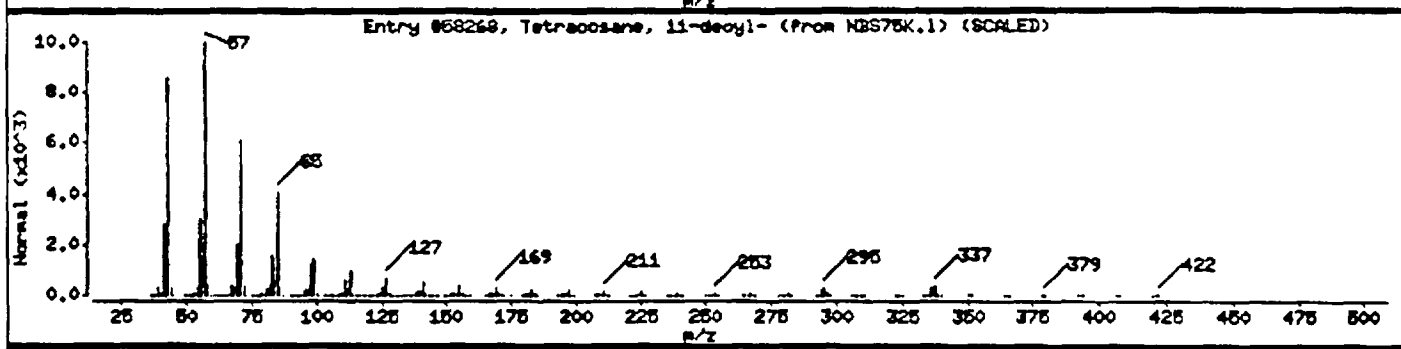
Column phase:

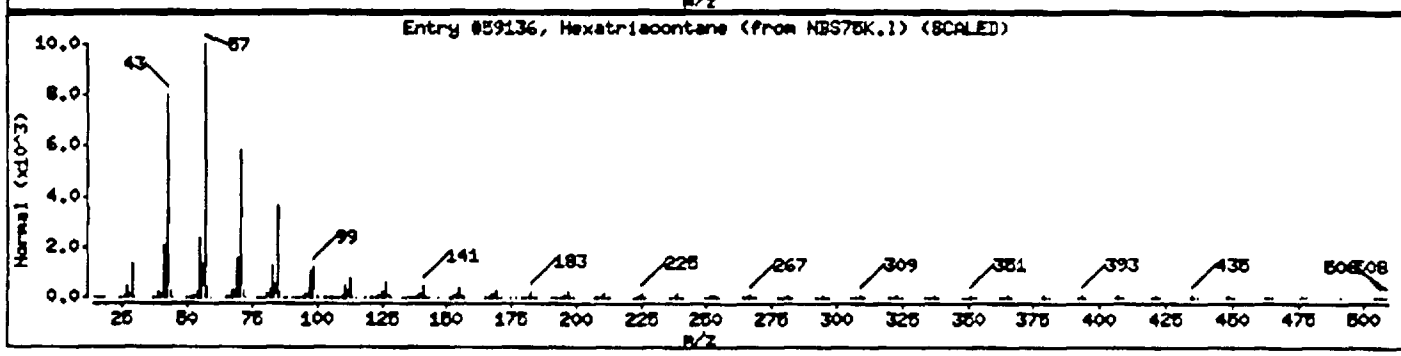
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.l	74082	95	C27H56	380
Tetracosane, 11-decyl-	55429-04-0	NBS75K.l	68268	90	C34H70	479
Hexatriacontane	630-06-8	NBS75K.l	59136	90	C36H74	507









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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,i-olp90.sub

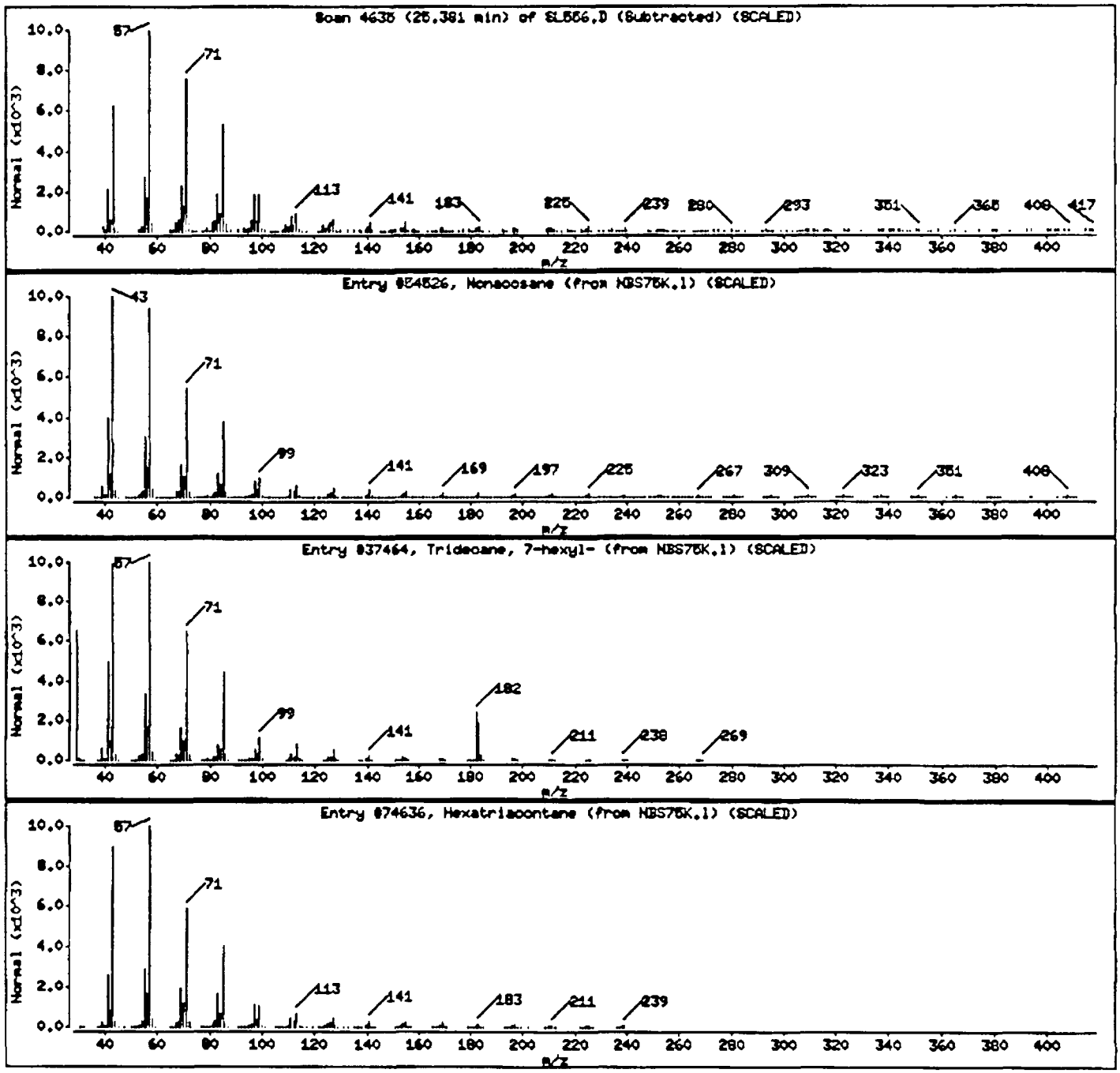
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.l	84526	95	C29H60	408
Tridecane, 7-hexyl-	7225-66-3	NBS75K.l	37464	93	C19H40	268
Hexatriacontane	630-06-8	NBS75K.l	74636	91	C36H74	507



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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90.sub

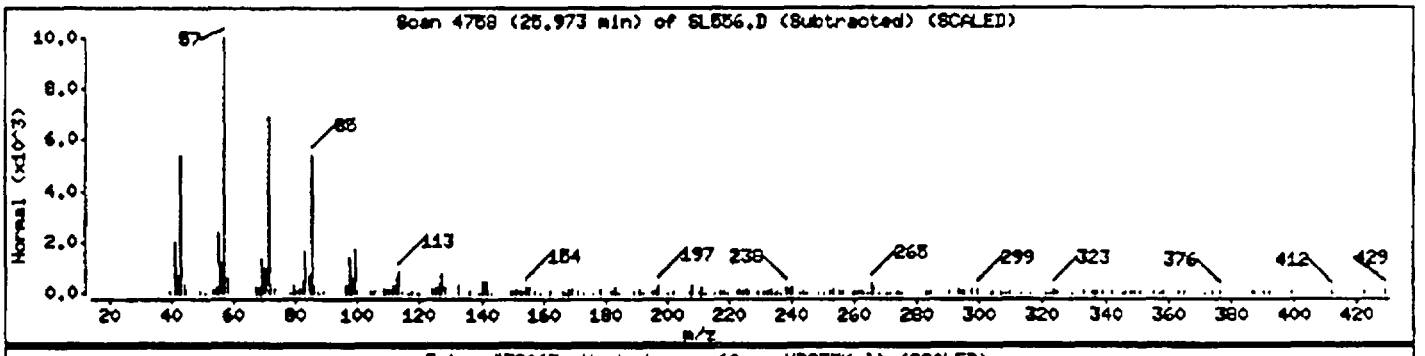
Volume Injected (uL): 2.0

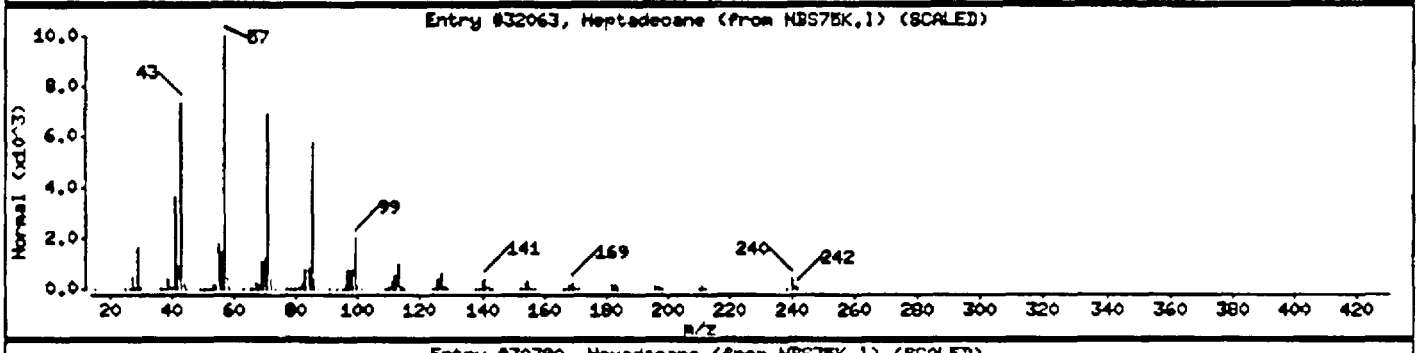
Operator: 001574

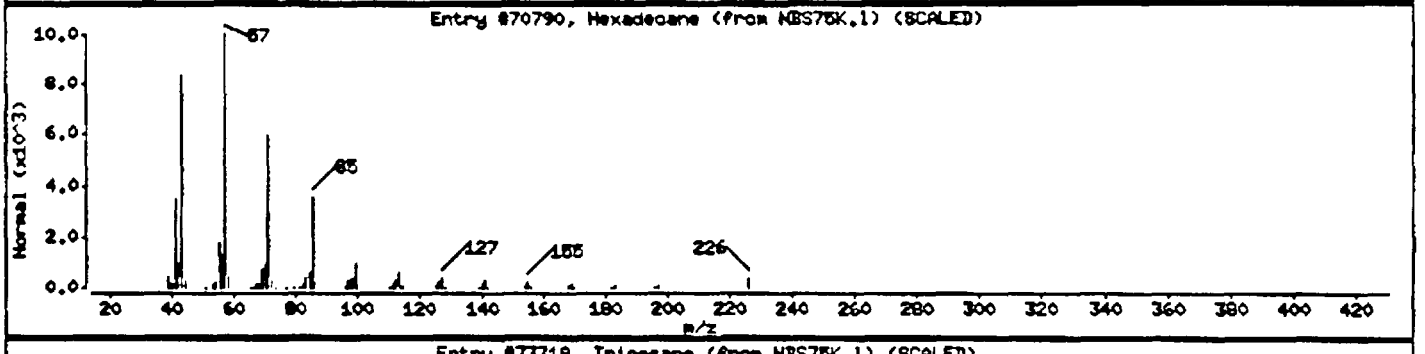
Column phase:

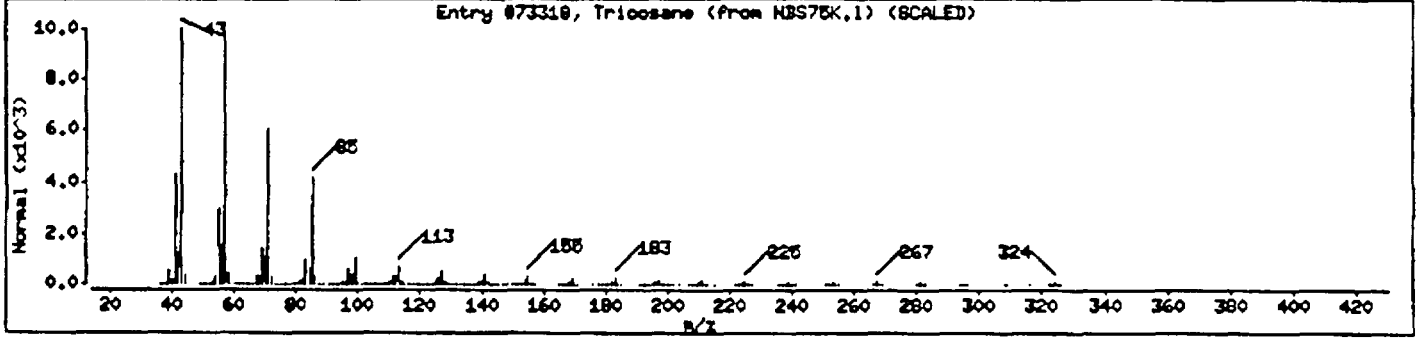
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.1	32063	95	C17H36	240
Hexadecane	544-76-3	NBS75K.1	70790	95	C16H34	226
Tricosane	638-67-5	NBS75K.1	73318	91	C23H48	324









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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90.sub

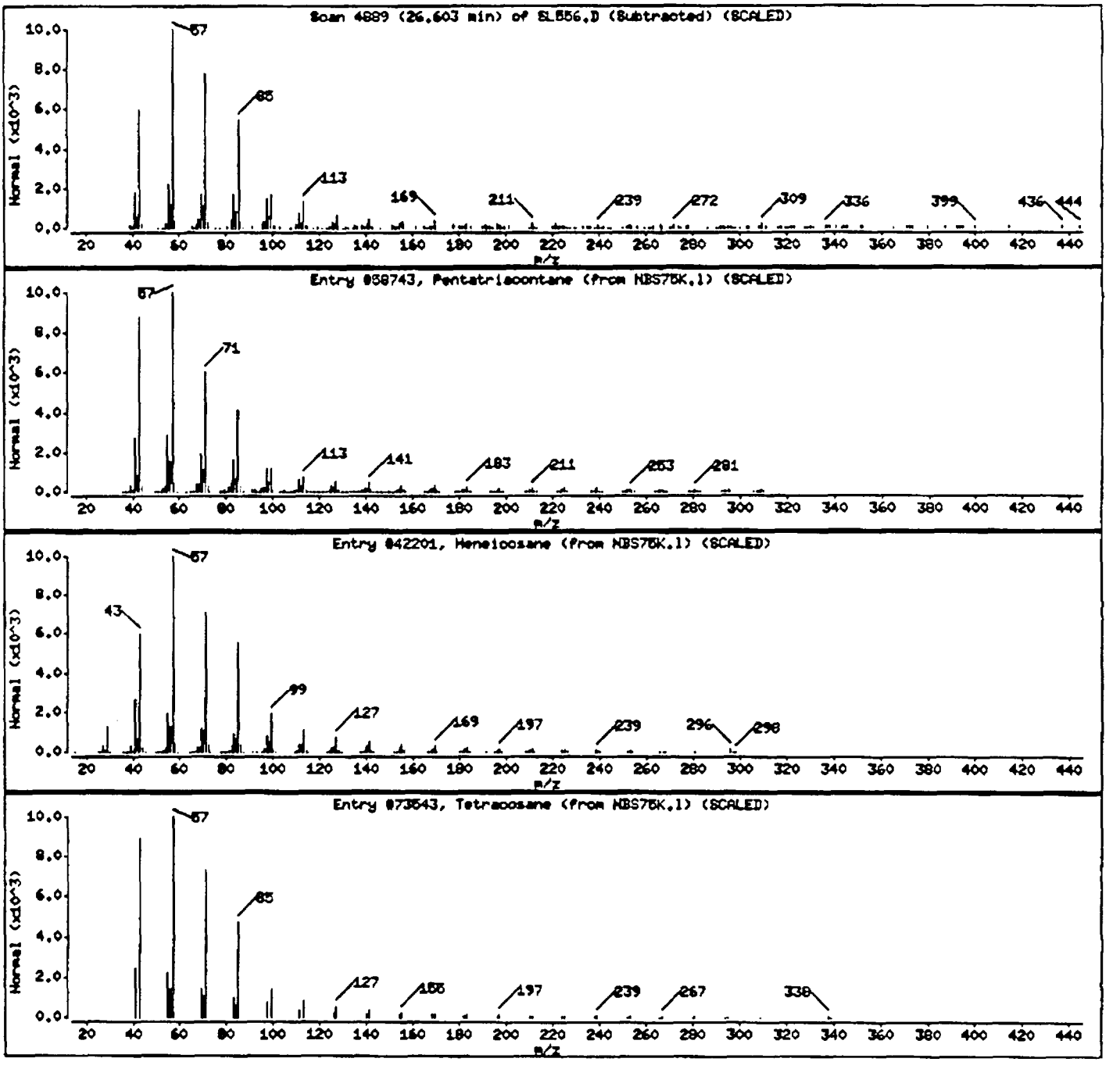
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentatriacontane	630-07-9	NBS75K.l	58743	91	C35H72	493
Heneicosane	629-94-7	NBS75K.l	42201	91	C21H44	296
Tetracosane	646-31-1	NBS75K.l	73543	91	C24H50	338



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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

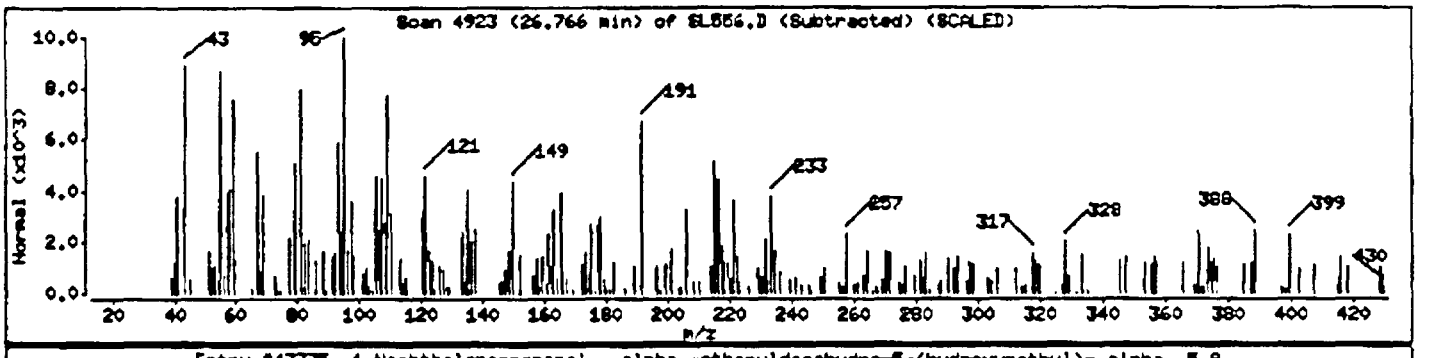
Volume Injected (uL): 2.0

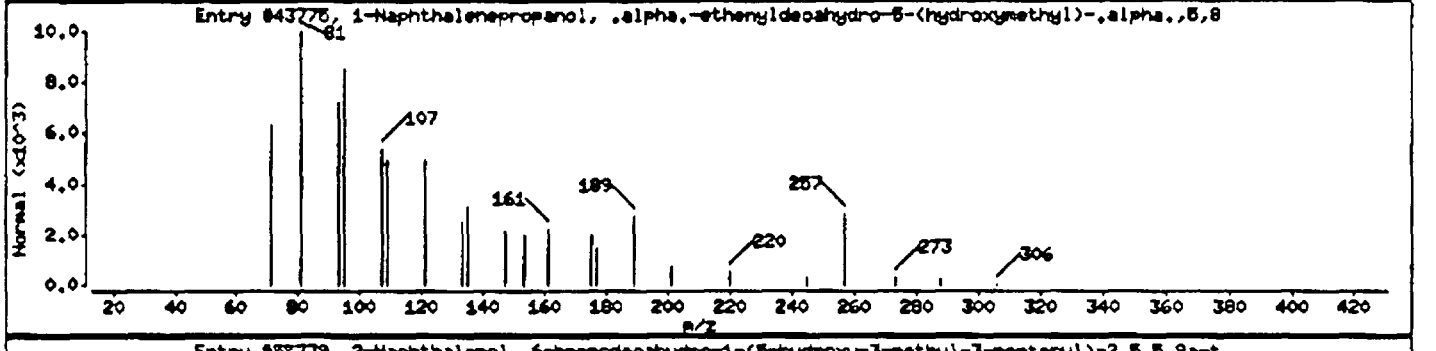
Operator: 001574

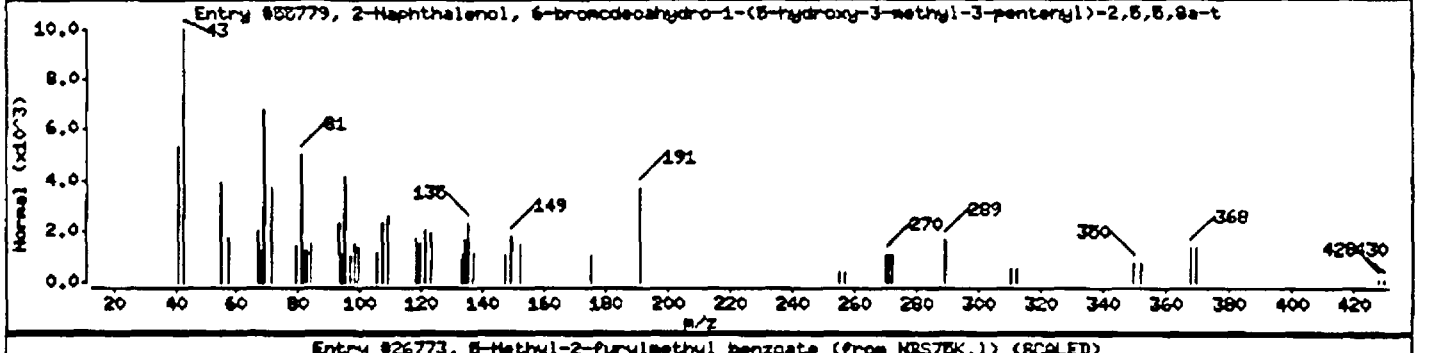
Column phase:

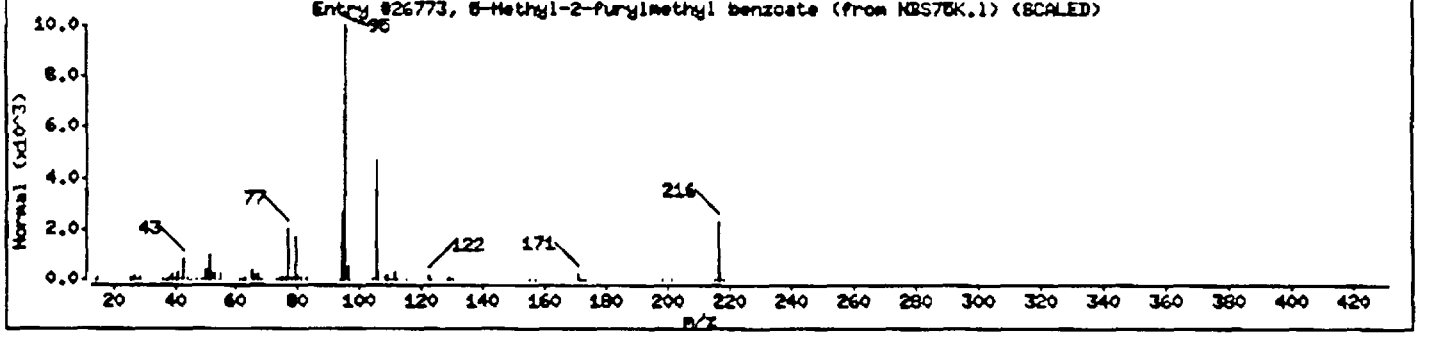
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Naphthalenepropanol, .alpha.-ethenylde	3650-30-4	NBS75K.l	43776	35	C20H3402	306
2-Naphthalenol, 6-bromodecahydro-1-(5-hy	56009-17-7	NBS75K.l	55779	22	C22H37BrO3	428
5-Methyl-2-furylmethyl benzoate	18801-77-9	NBS75K.l	26773	22	C13H1203	216









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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90.sub

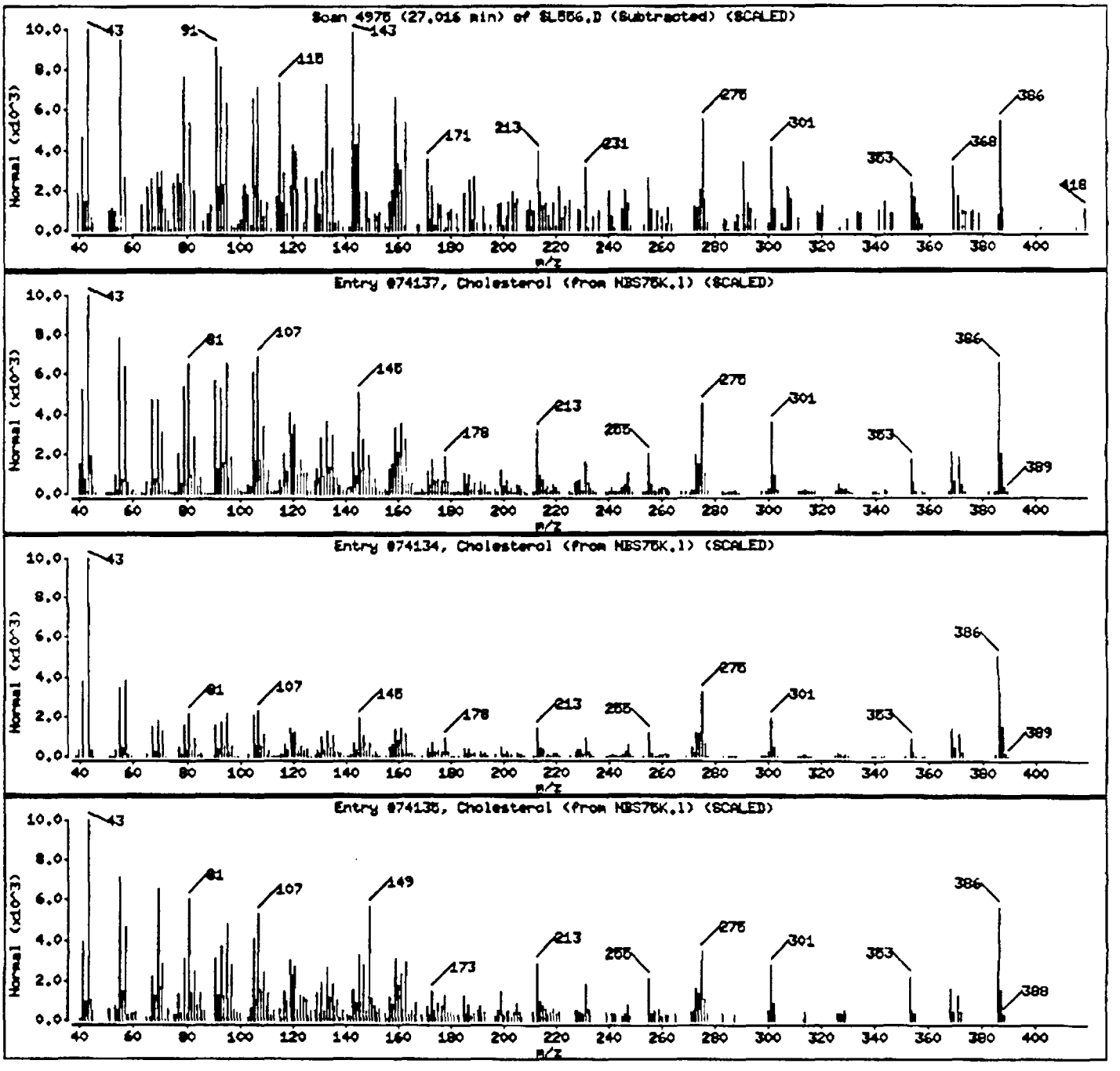
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.l	74137	83	C27H46O	386
Cholesterol	57-88-5	NBS75K.l	74134	59	C27H46O	386
Cholesterol	57-88-5	NBS75K.l	74135	48	C27H46O	386



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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,1-olp90,sub

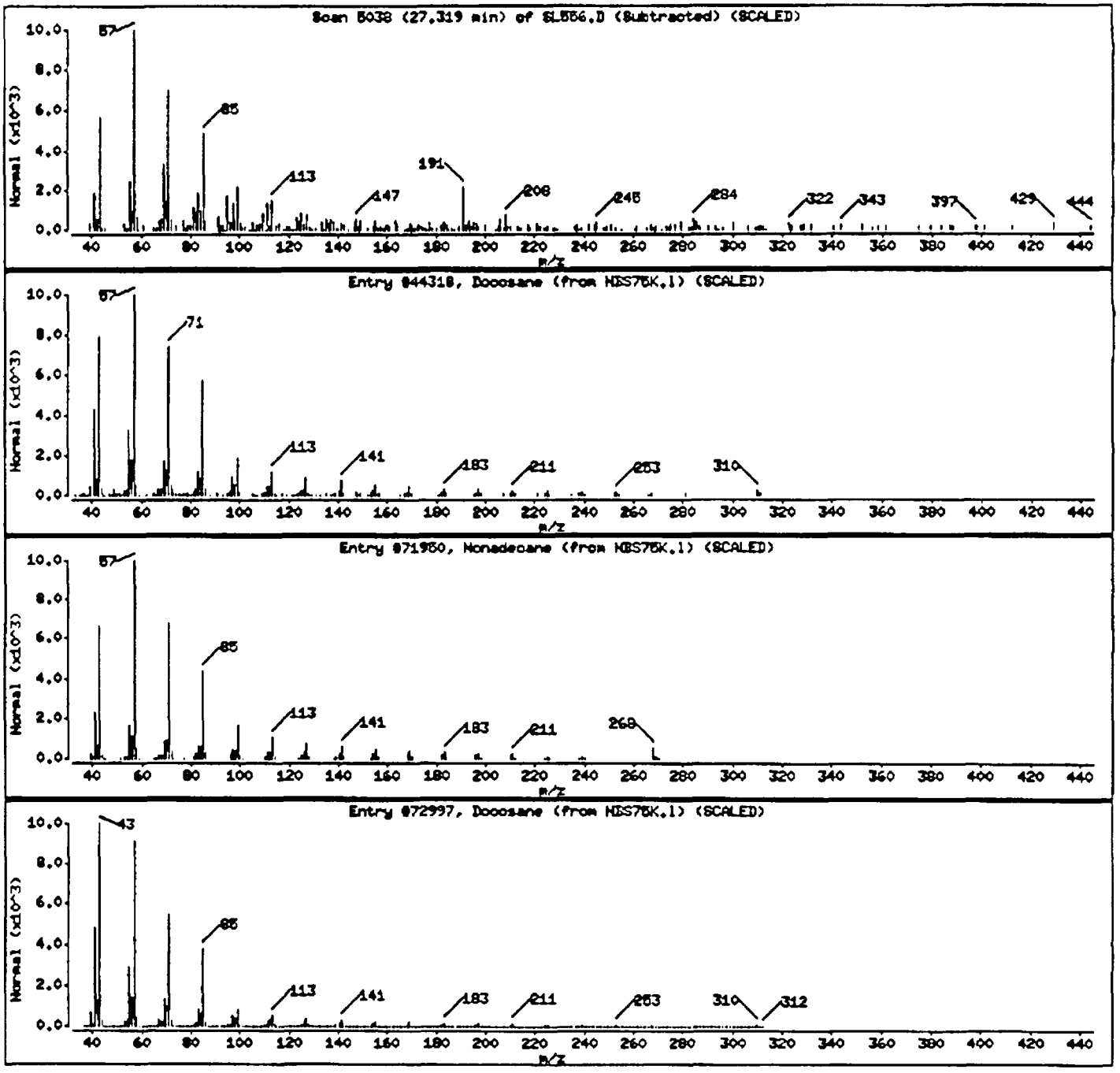
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Docosane	629-97-0	NBS75K.1	44318	86	C22H46	310
Nonadecane	629-92-5	NBS75K.1	71950	86	C19H40	268
Docosane	629-97-0	NBS75K.1	72997	83	C22H46	310



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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,i-olp90.sub

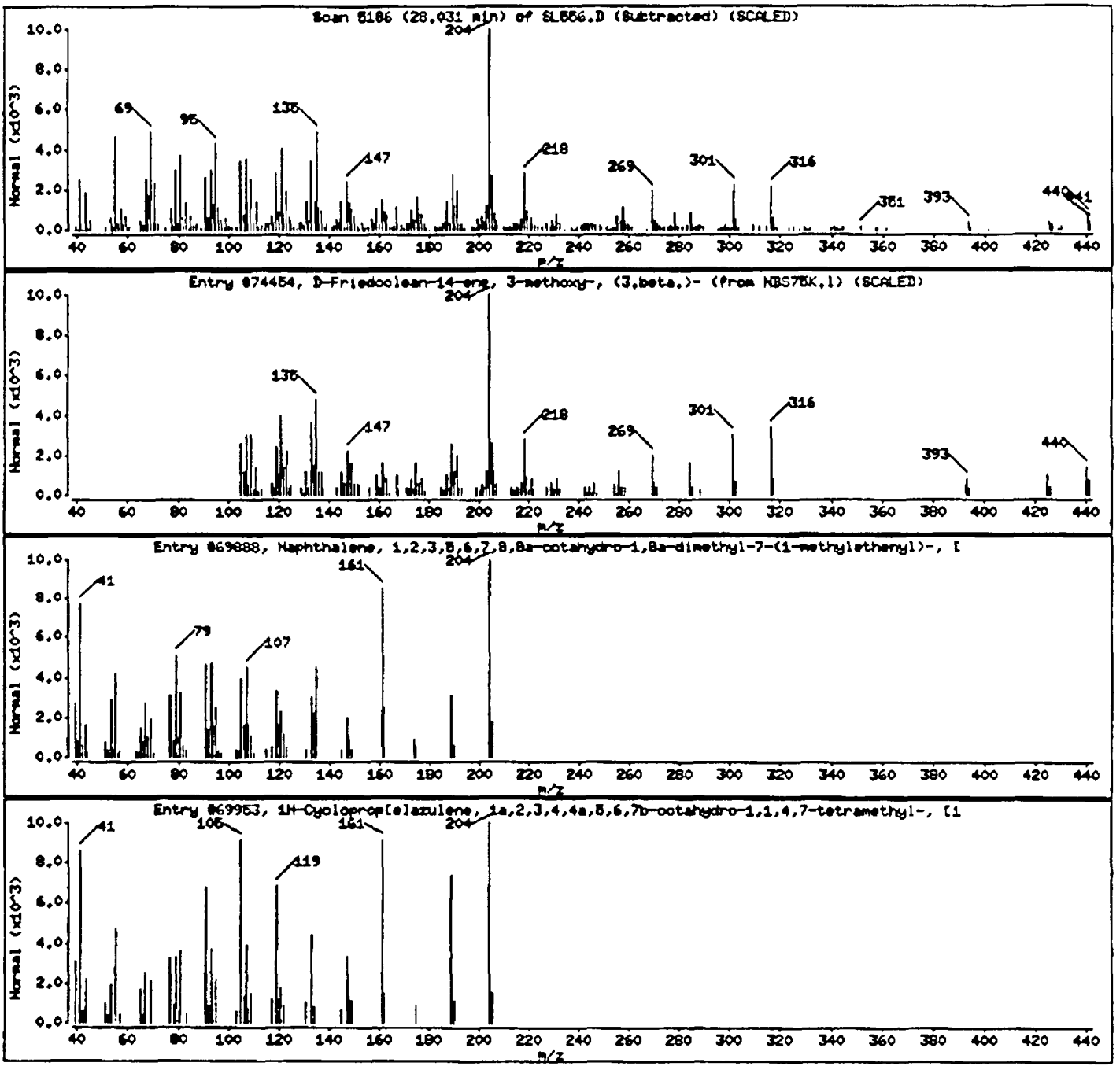
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3,bet	14021-23-9	NBS75K.l	74454	87	C31H520	440
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	37	C15H24	204
1H-Cyclopropl[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69953	27	C15H24	204



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Date : 30-SEP-2000 01:33

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp710u,00929a.b,olp31,i-olp90,sub

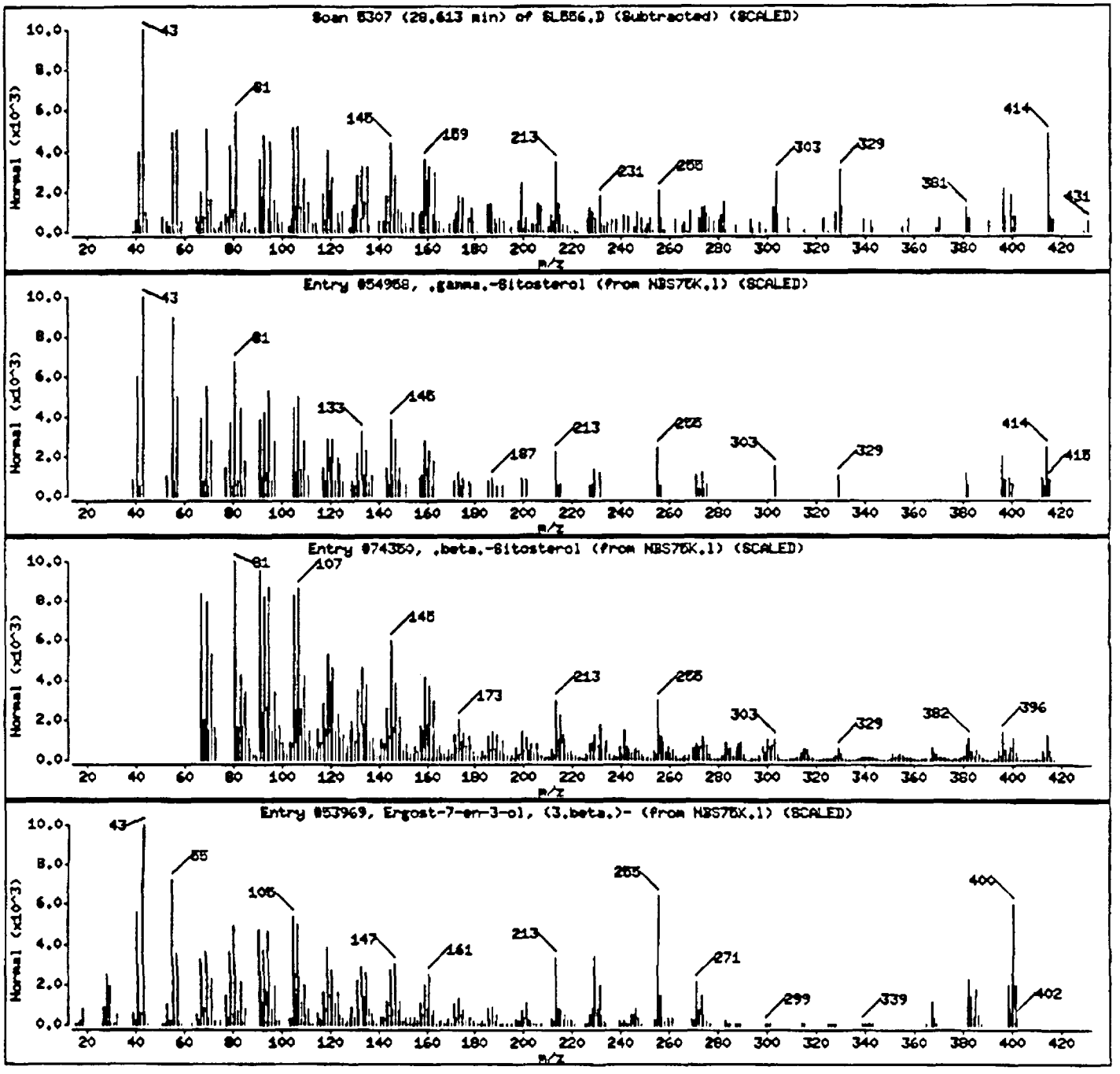
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54958	62	C29H50O	414
.beta.-Sitosterol	83-46-5	NBS75K.l	74350	55	C29H50O	414
Ergost-7-en-3-ol, (3.beta.)-	26047-31-4	NBS75K.l	53969	42	C28H48O	400



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRP720U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0271338

Client Sample Id: SL55-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitrosodi-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRP720U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0271338

Client Sample Id: SL55-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethyl phthalate	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	**Phenanthrene**	**63**	**J**
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	**Fluoranthene**	**97**	**J**
129-00-0	**Pyrene**	**160**	**J**
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	**Benzo(a)anthracene**	**43**	**J**
218-01-9	**Chrysene**	**71**	**J**

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRP720U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0271338

Client Sample Id: SL55-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**41**	**J**
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	**Benzo(b)fluoranthene**	**75**	**J**
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(ghi)perylene	380	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

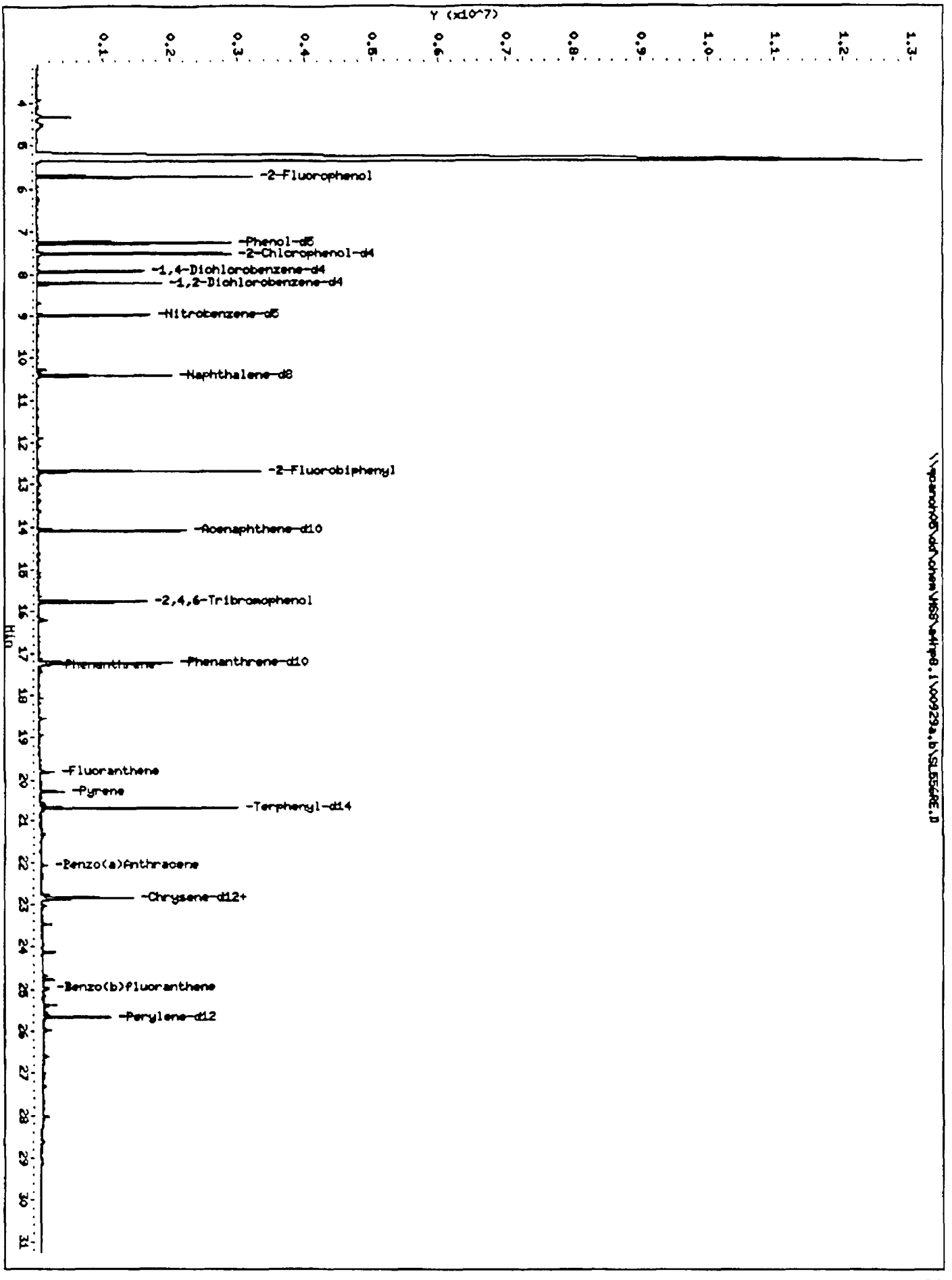
Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRP720U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0271338

Client Sample Id: SL55-6" -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3473	28000	JA
	Unknown Hydrocarbon	16.2	84	J
	Unknown Hydrocarbon	24.125	94	J
	Unknown Hydrocarbon	24.76	130	J
	Unknown Hydrocarbon	25.376	140	J
	Unknown Hydrocarbon	25.967	95	J
	Unknown	28.03	130	J


Y (x10^7)
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
-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
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Benzo(a)Anthracene
-Chrysene-d12+
-Benzo(b)fluoranthene
-Perylene-d12
Min

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556RE.D
Lab Smp Id: DJRP720U Client Smp ID: SL55-6"
Inj Date : 30-SEP-2000 06:08
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp720u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.030	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	7.939	7.940	(1.000)	369377	40.0000	
* 2 Naphthalene-d8	136	10.415	10.426	(1.000)	1475719	40.0000	
* 3 Acenaphthene-d10	164	14.080	14.095	(1.000)	849100	40.0000	
* 4 Phenanthrene-d10	188	17.229	17.240	(1.000)	1266947	40.0000	
* 5 Chrysene-d12	240	22.851	22.866	(1.000)	789039	40.0000	
* 6 Perylene-d12	264	25.659	25.665	(1.000)	623335	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.					

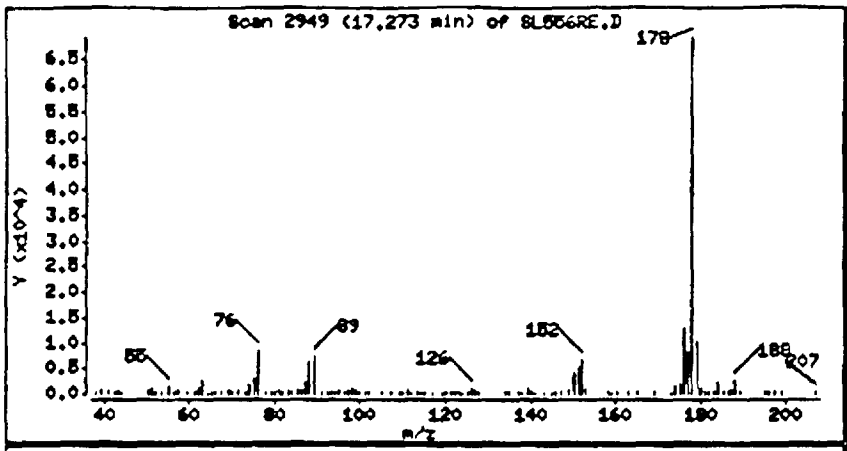
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	17.273	17.293	(1.002)	102237	3.23623	54(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.802	19.813	(1.149)	153799	5.05756	84(a)
59 Pyrene	202	20.273	20.289	(0.887)	237415	8.53741	140(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

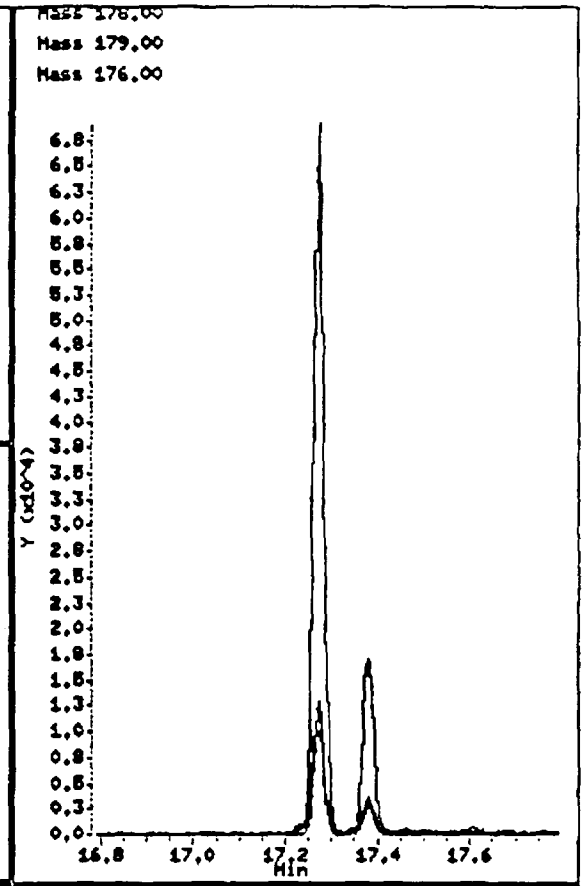
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	22.832	22.842	(0.999)	48052	2.24800	37(a)
63 Chrysene	228	22.899	22.919	(1.002)	75538	3.67349	61(aH)
64 bis(2-ethylhexyl)Phthalate	149	23.029	23.039	(1.008)	31763	2.11274	35(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.962	24.977	(0.973)	86314	3.92809	65(a)
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	8.987	8.998	(0.663)	993839	66.0153	1100
$ 73 2-Fluorobiphenyl	172	12.690	12.696	(0.901)	1756592	76.2452	1300
$ 74 Terphenyl-d14	244	20.682	20.683	(0.905)	1777147	92.7581	1500
$ 75 Phenol-d5	99	7.270	7.262	(0.916)	1842315	111.669	1800
$ 76 2-Fluorophenol	112	5.708	5.670	(0.719)	1275174	104.215	1700
$ 77 2,4,6-Tribromophenol	330	15.753	15.764	(0.914)	320278	110.838	1800(Q)
$ 78 2-Chlorophenol-d4	132	7.520	7.517	(0.947)	1234829	114.206	1900(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.218	8.223	(1.035)	433514	58.8925	980

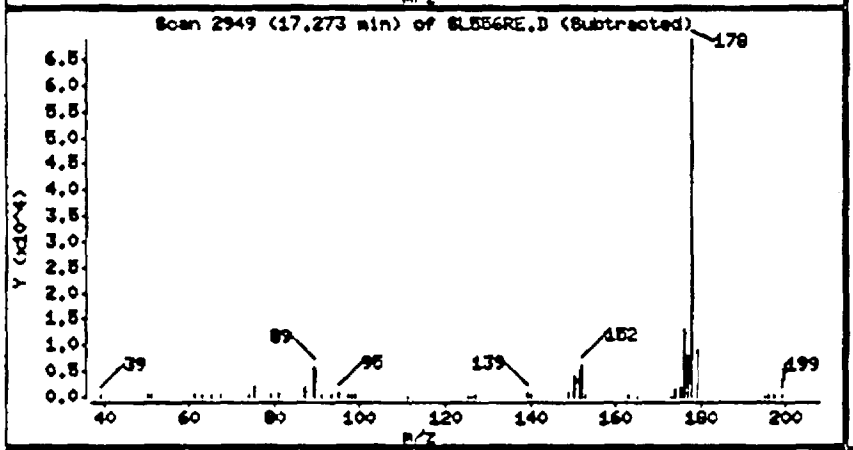
QC Flag Legend

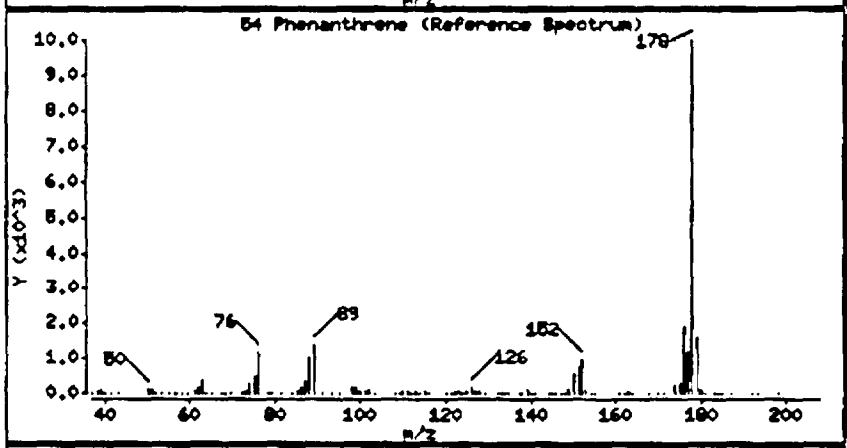
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

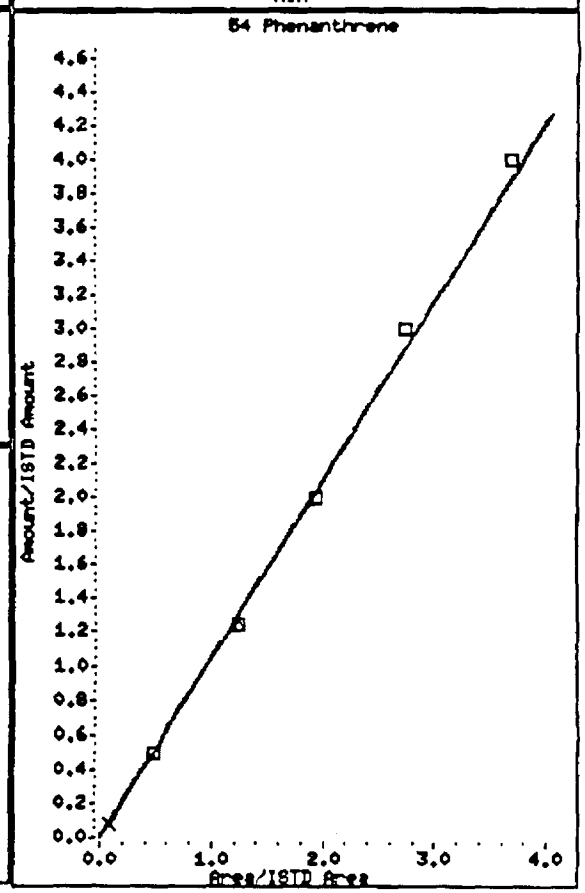
54 Phenanthrene

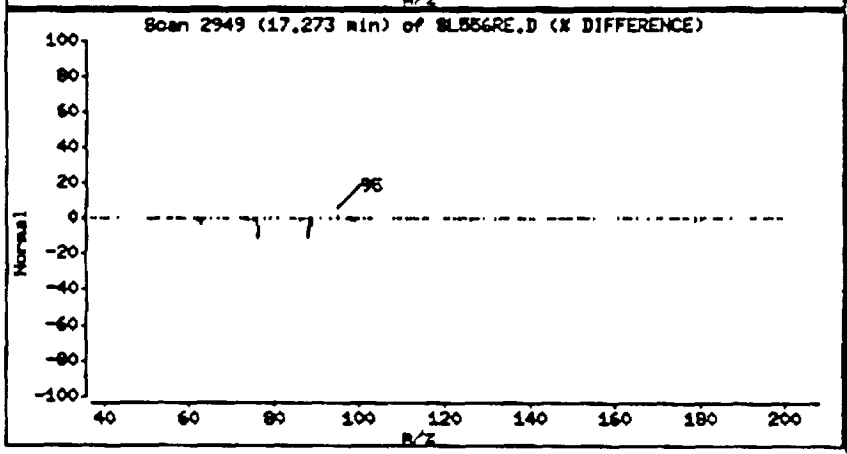




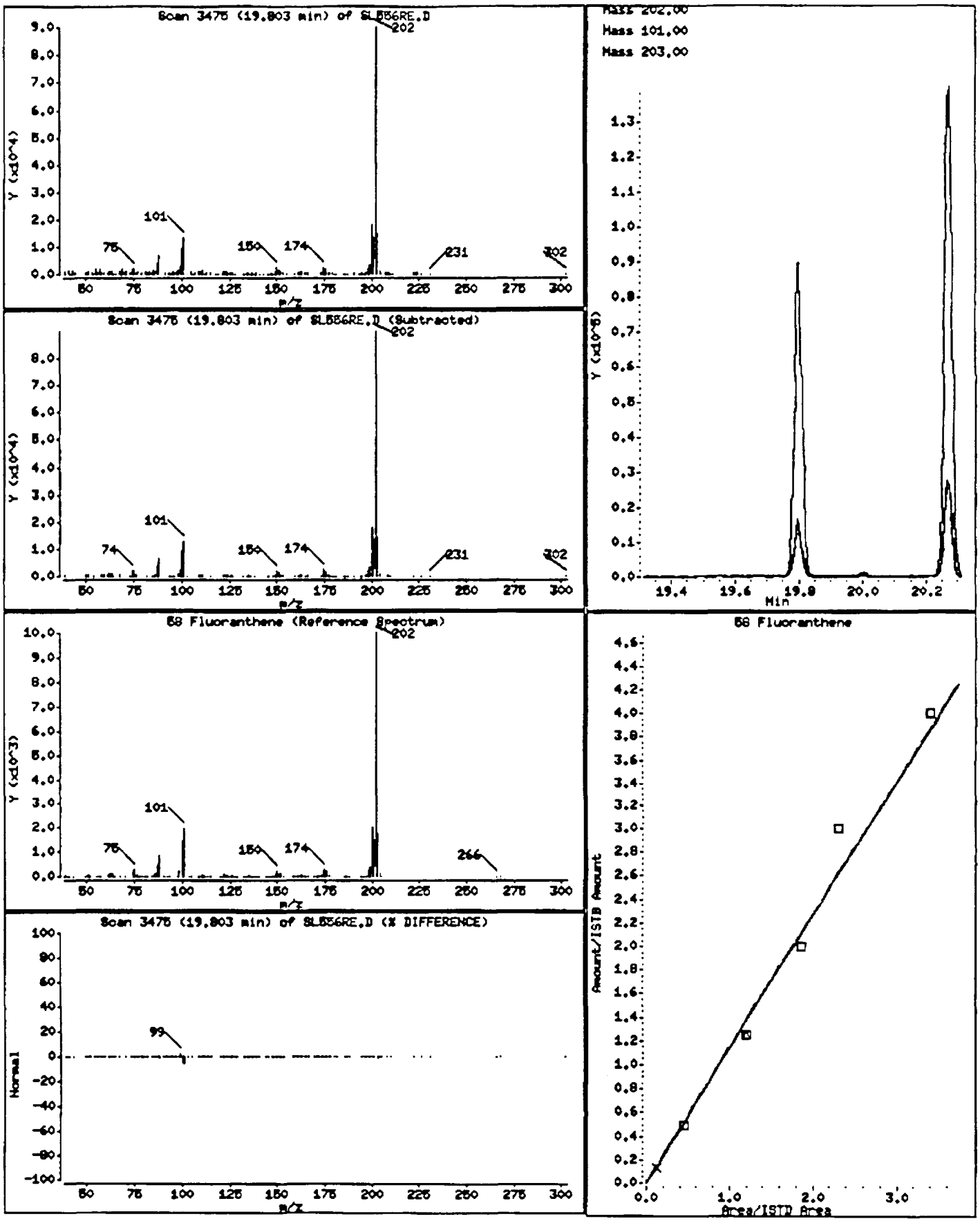




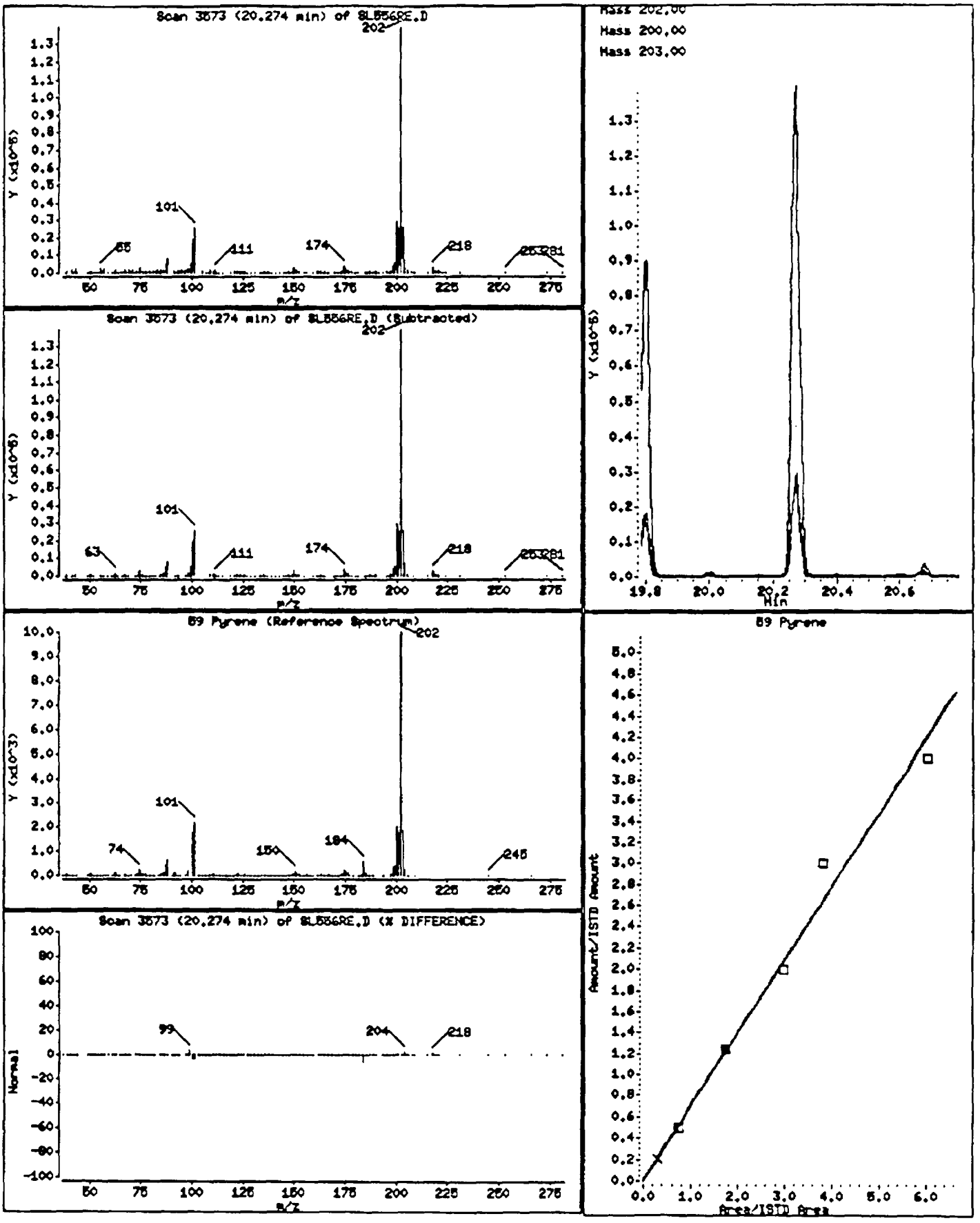




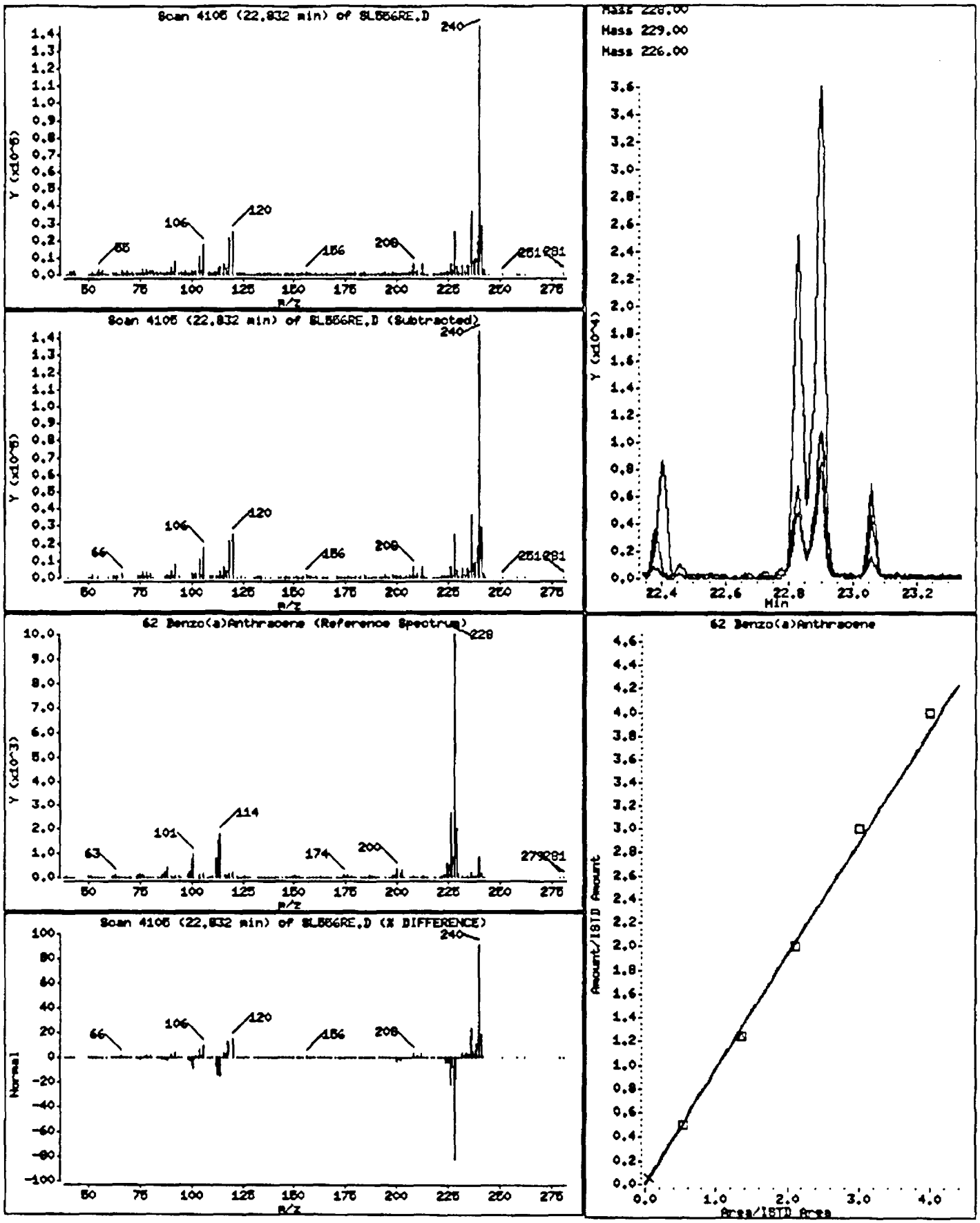
68 Fluoranthene



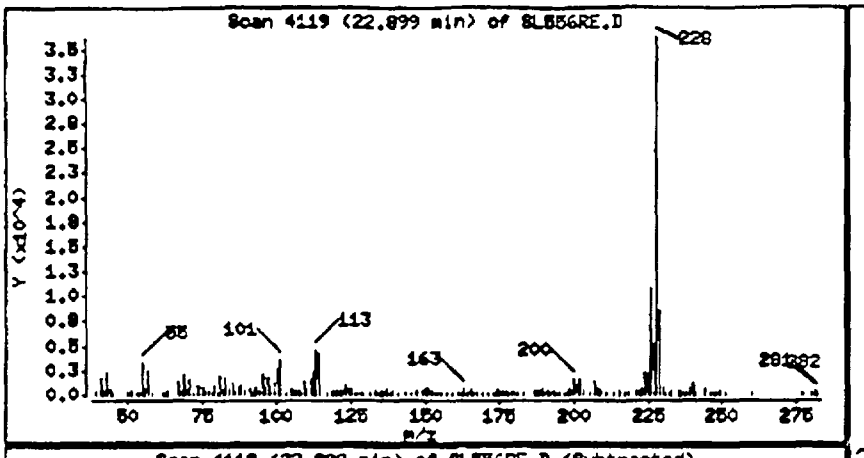
59 Pyrene

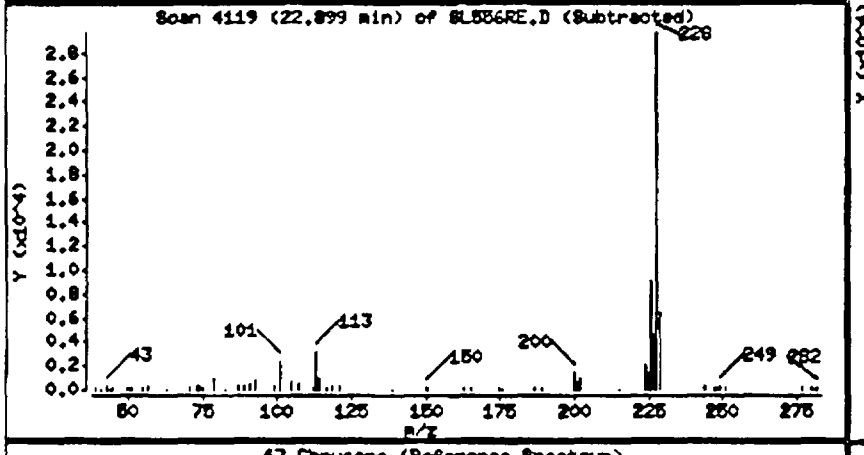

Scan 3573 (20.274 min) of SL556RE.D
Scan 3573 (20.274 min) of SL556RE.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3573 (20.274 min) of SL556RE.D (% DIFFERENCE)
Y (x10^6)
Y (x10^3)
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

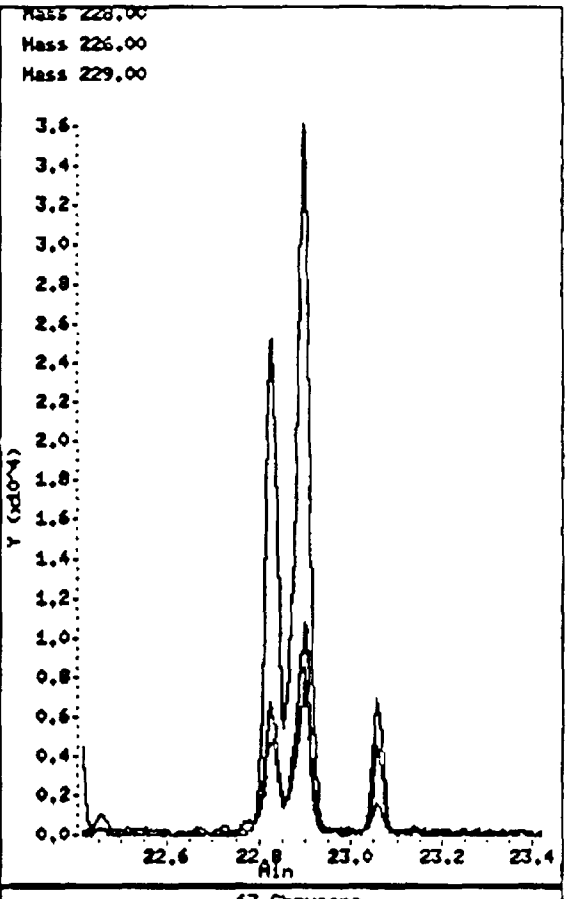
62 Benzo(a)Anthracene

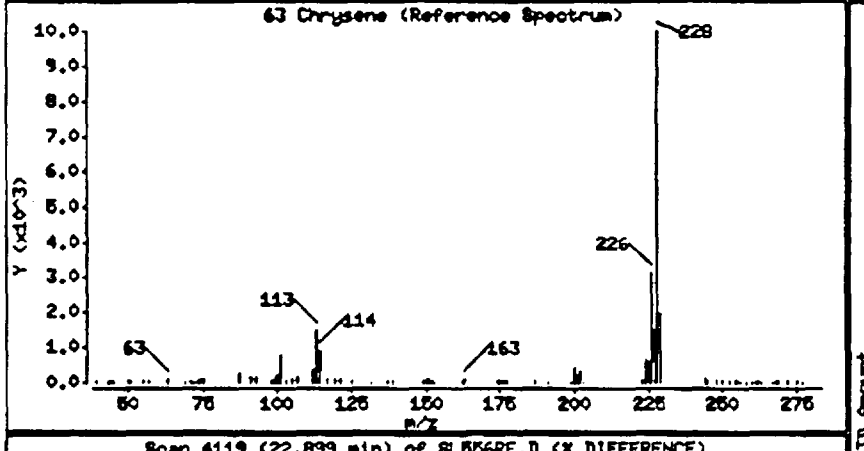


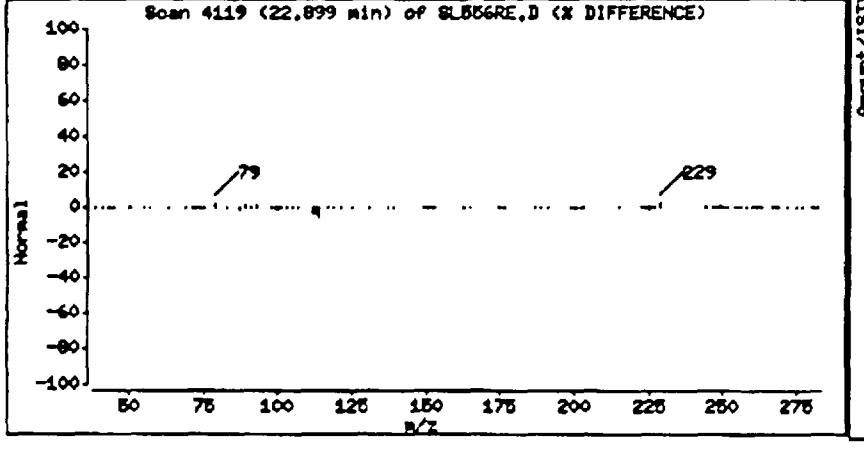
63 Chrysene

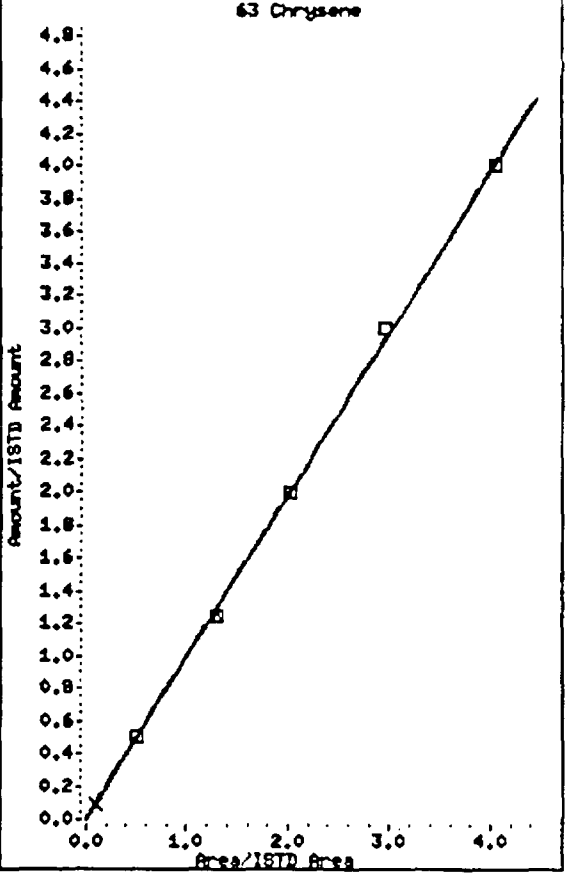

Scan 4119 (22.899 min) of SL556RE.D
Y (x10^4)
m/z
228
55
101
113
163
200
281 282


Scan 4119 (22.899 min) of SL556RE.D (Subtracted)
Y (x10^4)
m/z
228
43
101
113
150
200
249 282

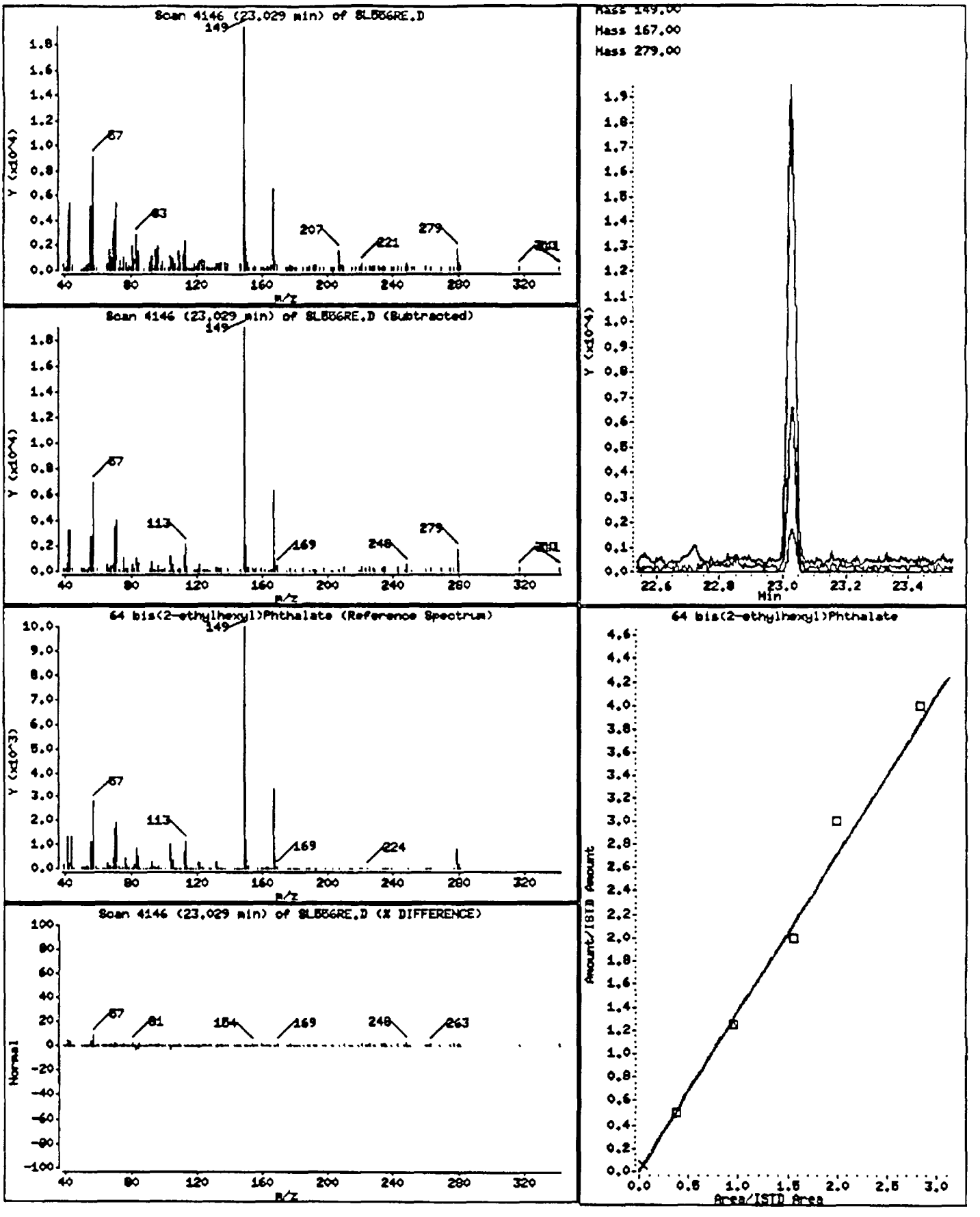

Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^4)
Min


63 Chrysene (Reference Spectrum)
Y (x10^3)
m/z
228
226
113
114
63
163

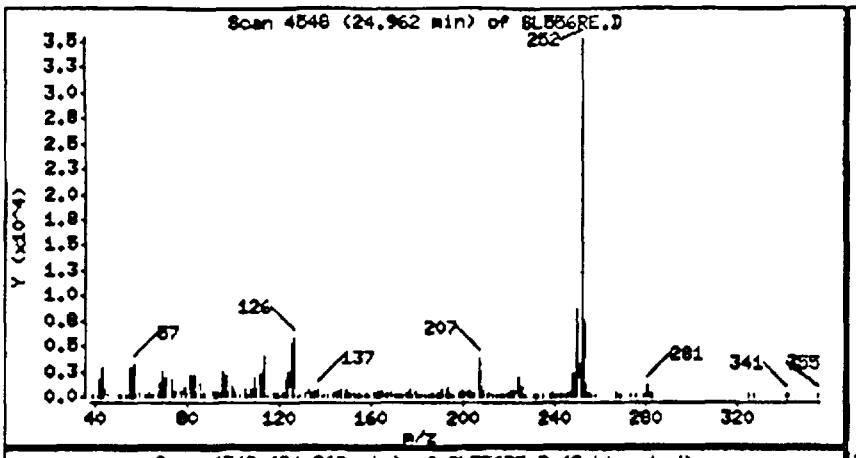

Scan 4119 (22.899 min) of SL556RE.D (% DIFFERENCE)
Normal
m/z
79
229

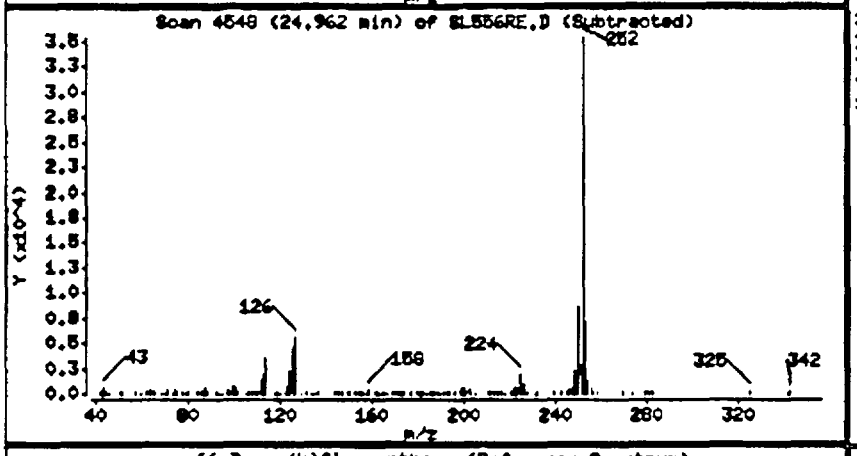

63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

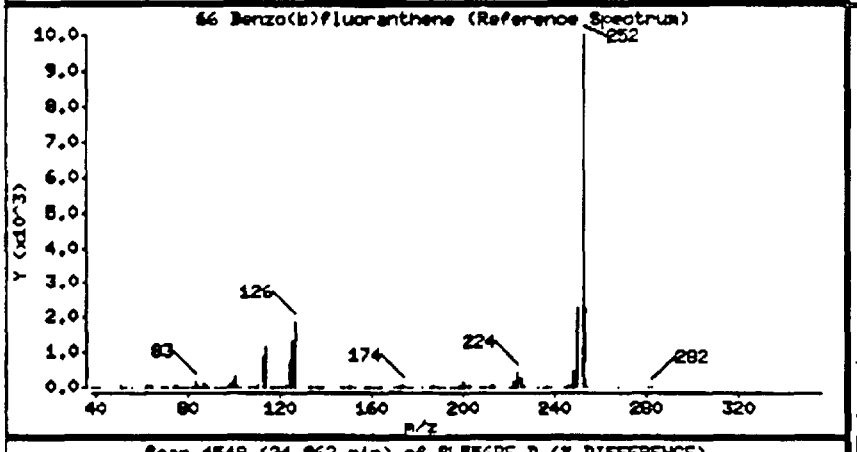
64 bis(2-ethylhexyl)Phthalate

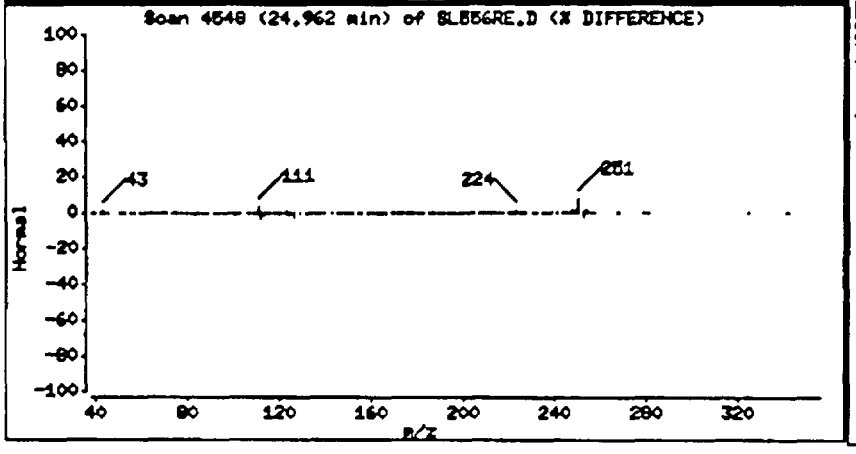


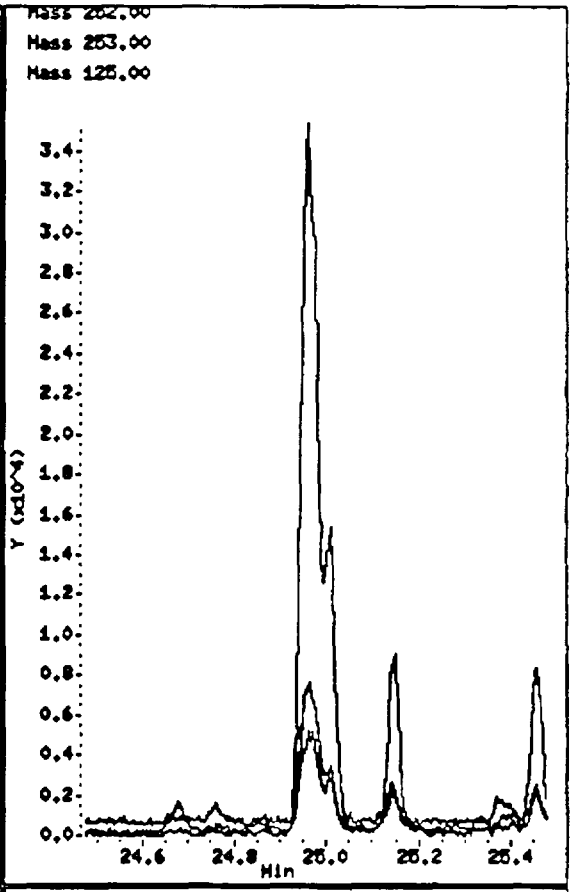
66 Benzo(b)fluoranthene

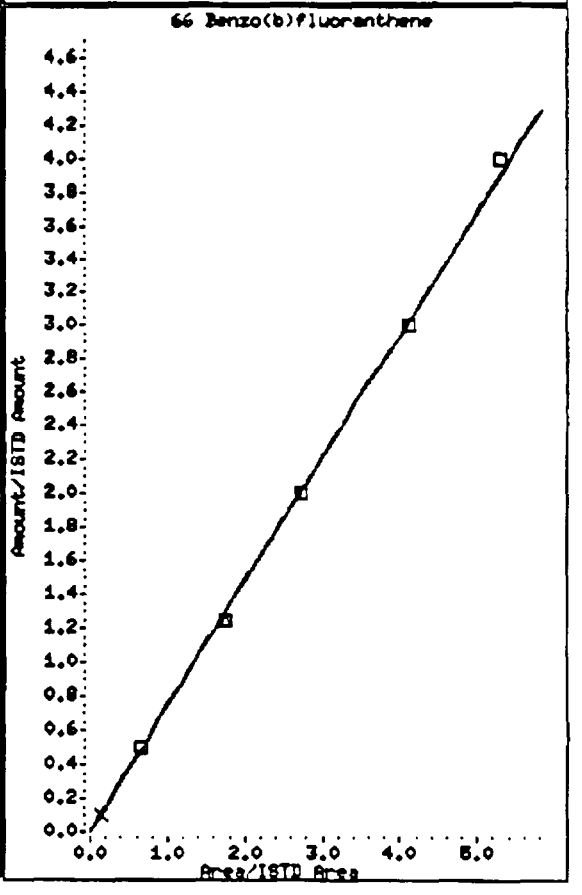












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556RE.D
Lab Smp Id: DJRP720U Client Smp ID: SL55-6"
Inj Date : 30-SEP-2000 06:08
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp720u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	30.030	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.939	2367711	40.000
* 4 Phenanthrene-d10	17.230	3506638	40.000
* 5 Chrysene-d12	22.851	2536422	40.000
* 6 Perylene-d12	25.660	1813553	40.000

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

RT	AREA	CONCENTRATIONS CN-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
5.347	86818193	1466.70253	24000	99		0	1
Unknown Hydrocarbon				CAS #:			
16.201	380682	4.34241065	72	99		0	4
Unknown Hydrocarbon				CAS #:			
24.126	309394	4.87921891	81	99		0	5
Unknown Hydrocarbon				CAS #:			
24.761	302805	6.67871208	110	99		0	6
Unknown Hydrocarbon				CAS #:			
25.376	315507	6.95887024	120	99		0	6
Unknown Hydrocarbon				CAS #:			
25.968	222149	4.89974504	82	99		0	6
Unknown				CAS #:			
28.030	301575	6.65158949	110	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556RE.D

Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90,sub

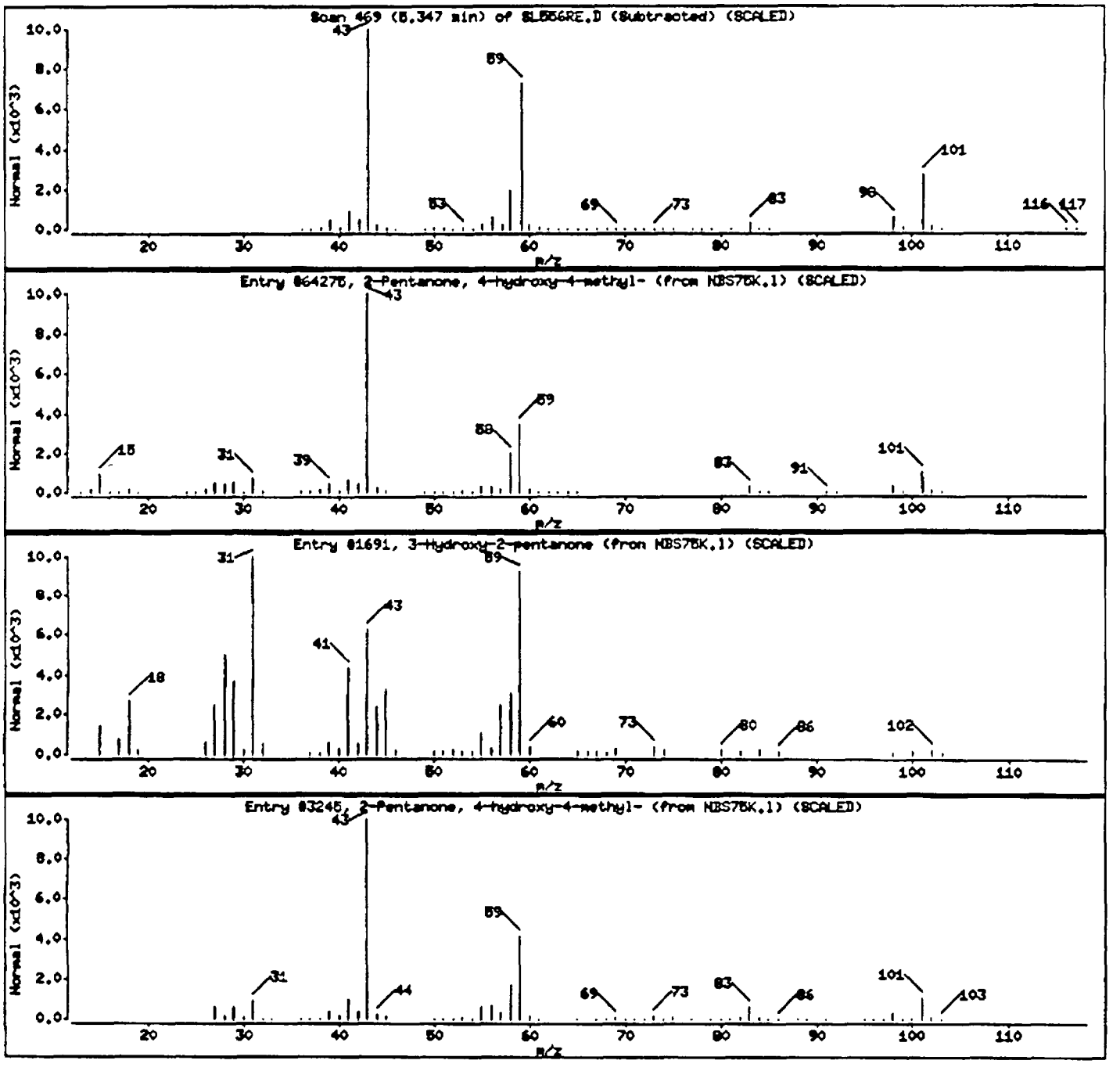
Volume Injected (uL): 2.0

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	64276	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	40	C5H10O2	102
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	39	C6H12O2	116



Data File: \\ecanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL556RE.D

Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90,sub

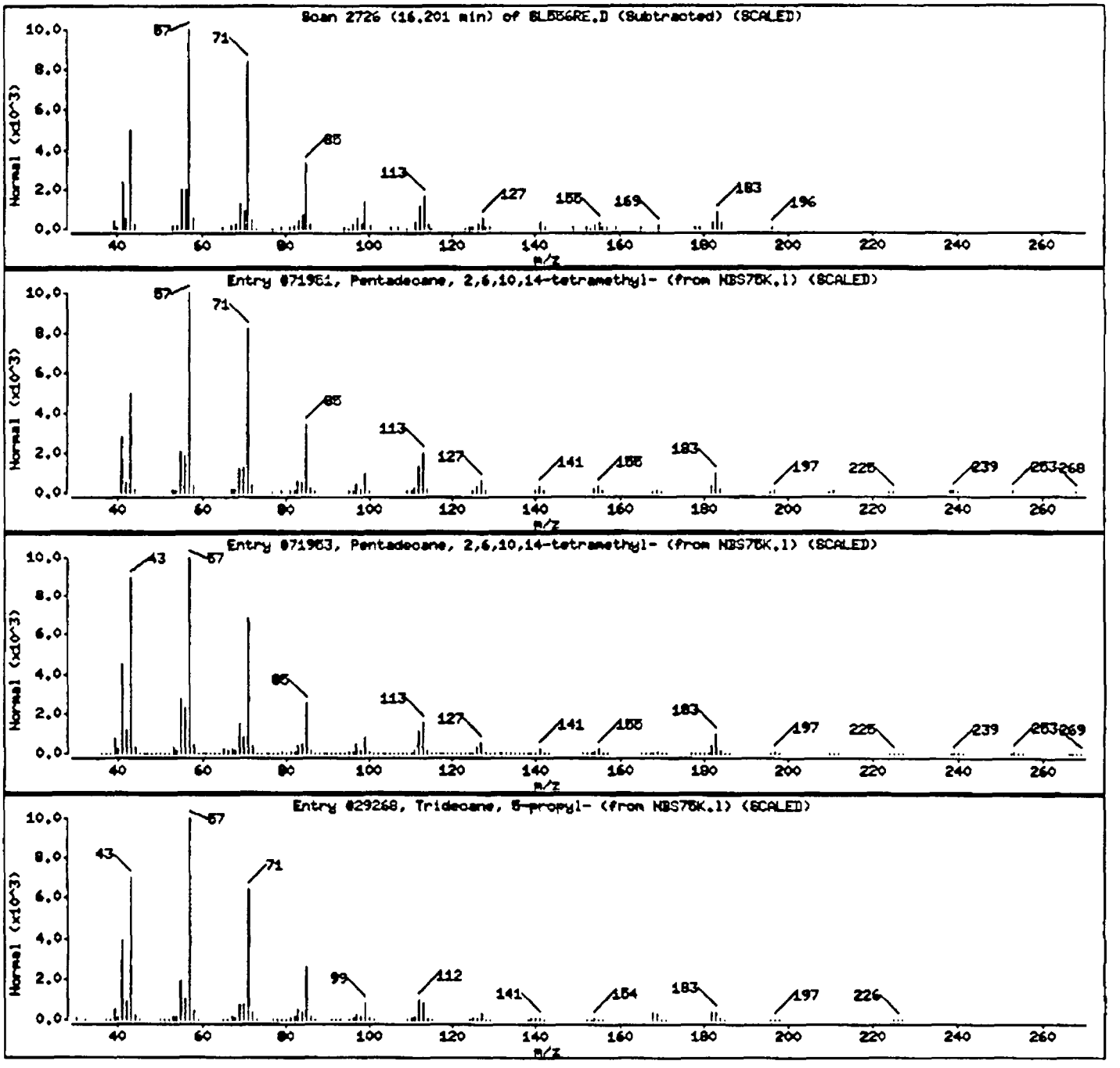
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71961	91	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71963	90	C19H40	268
Tridecane, 5-propyl-	55045-11-9	NBS75K.l	29268	86	C16H34	226



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Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90,sub

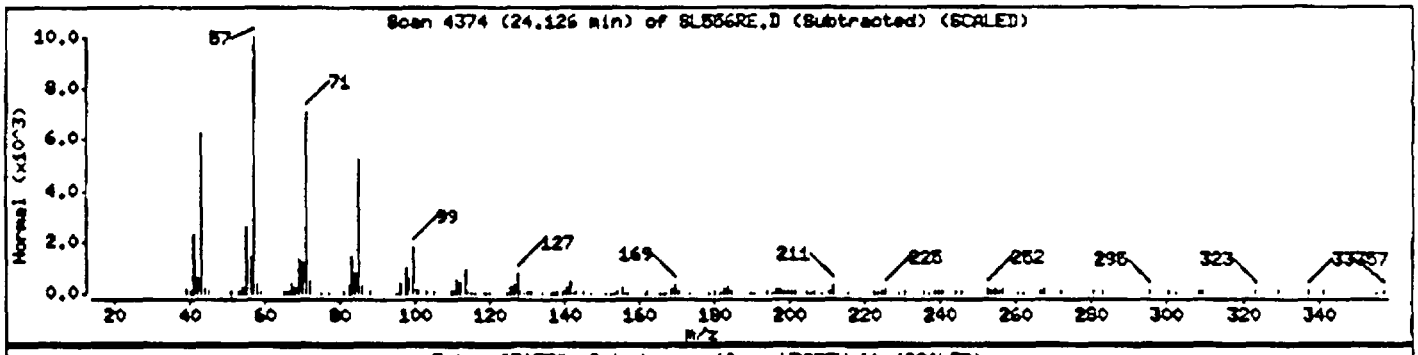
Volume Injected (uL): 2.0

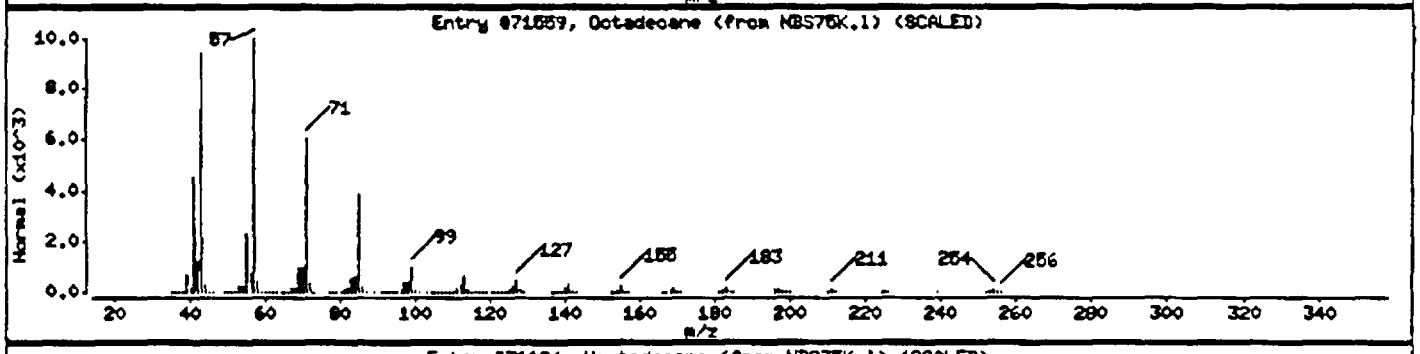
Operator: 001574

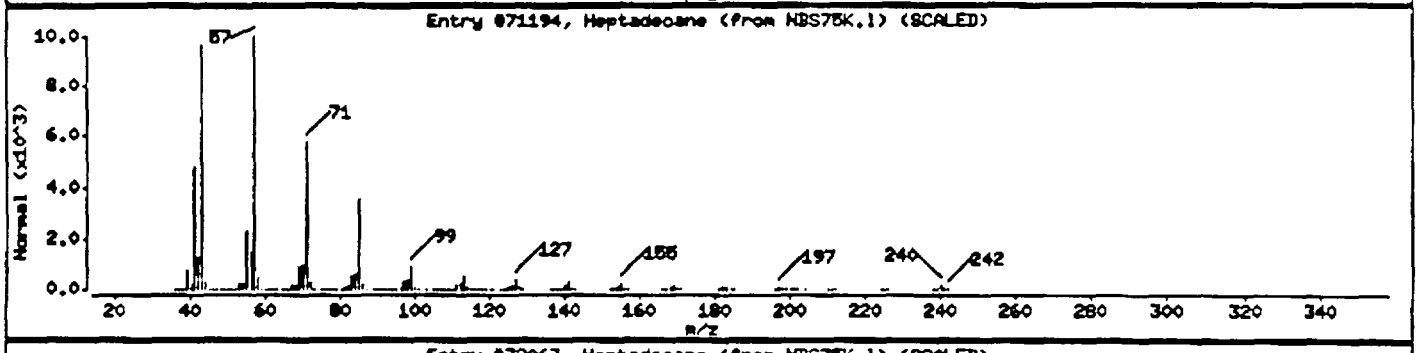
Column phase:

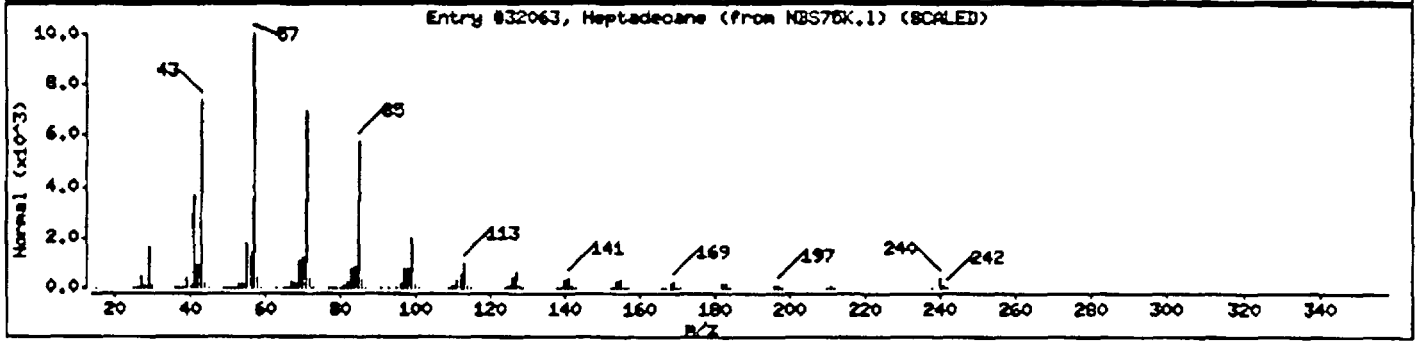
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71559	93	C18H38	254
Heptadecane	629-78-7	NBS75K.l	71194	91	C17H36	240
Heptadecane	629-78-7	NBS75K.l	32063	90	C17H36	240









Data File: \\qcanoh06\dd\chem\HSS\a4hp8.i\00929a.b\SL556RE.D

Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90.sub

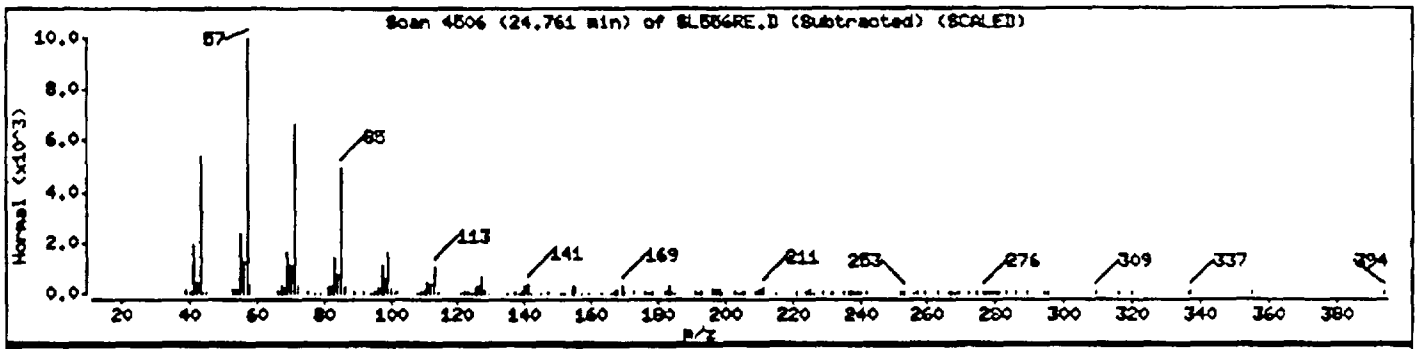
Volume Injected (uL): 2.0

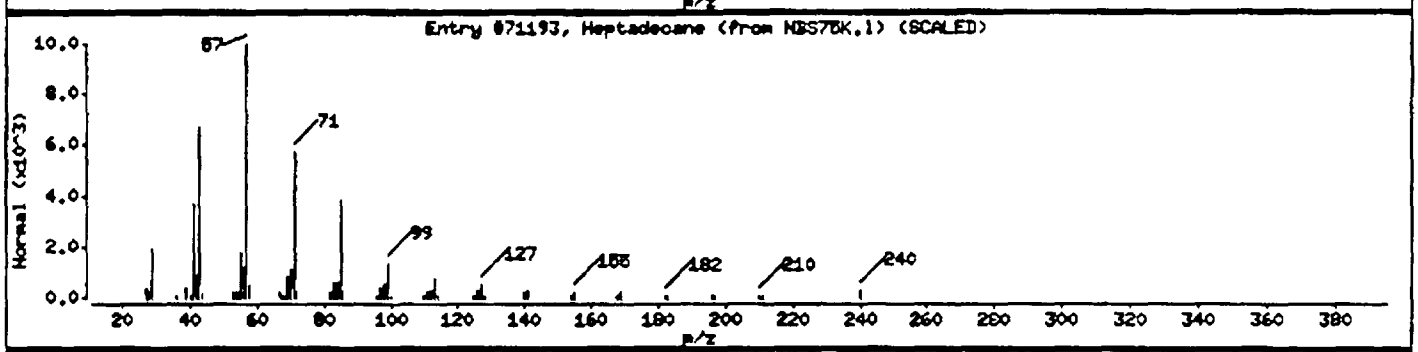
Operator: 001574

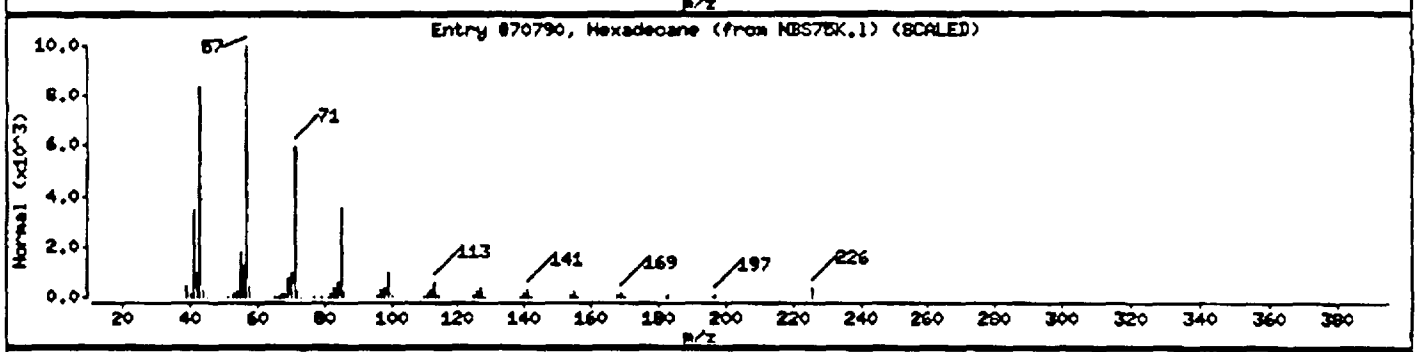
Column phase:

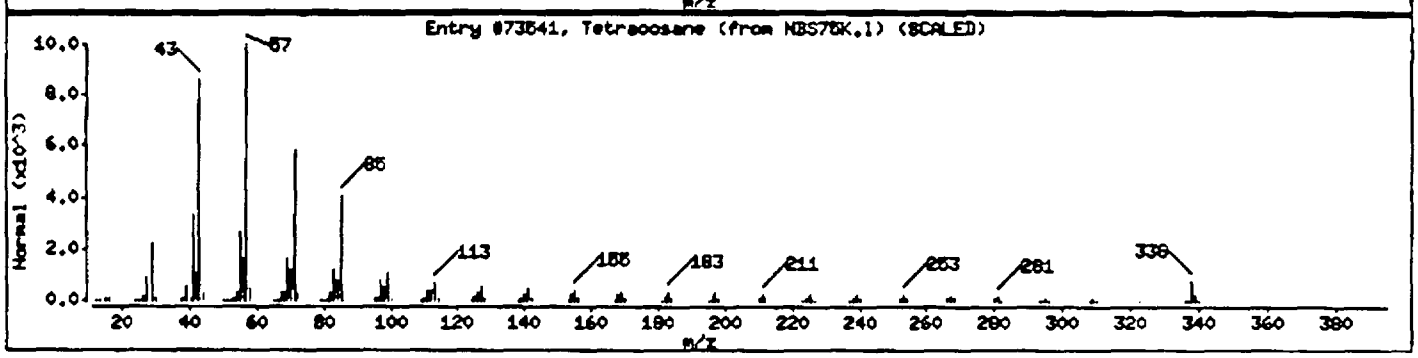
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.l	71193	95	C17H36	240
Hexadecane	544-76-3	NBS75K.l	70790	95	C16H34	226
Tetracosane	646-31-1	NBS75K.l	73541	91	C24H50	338









Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL556RE.D

Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90.sub

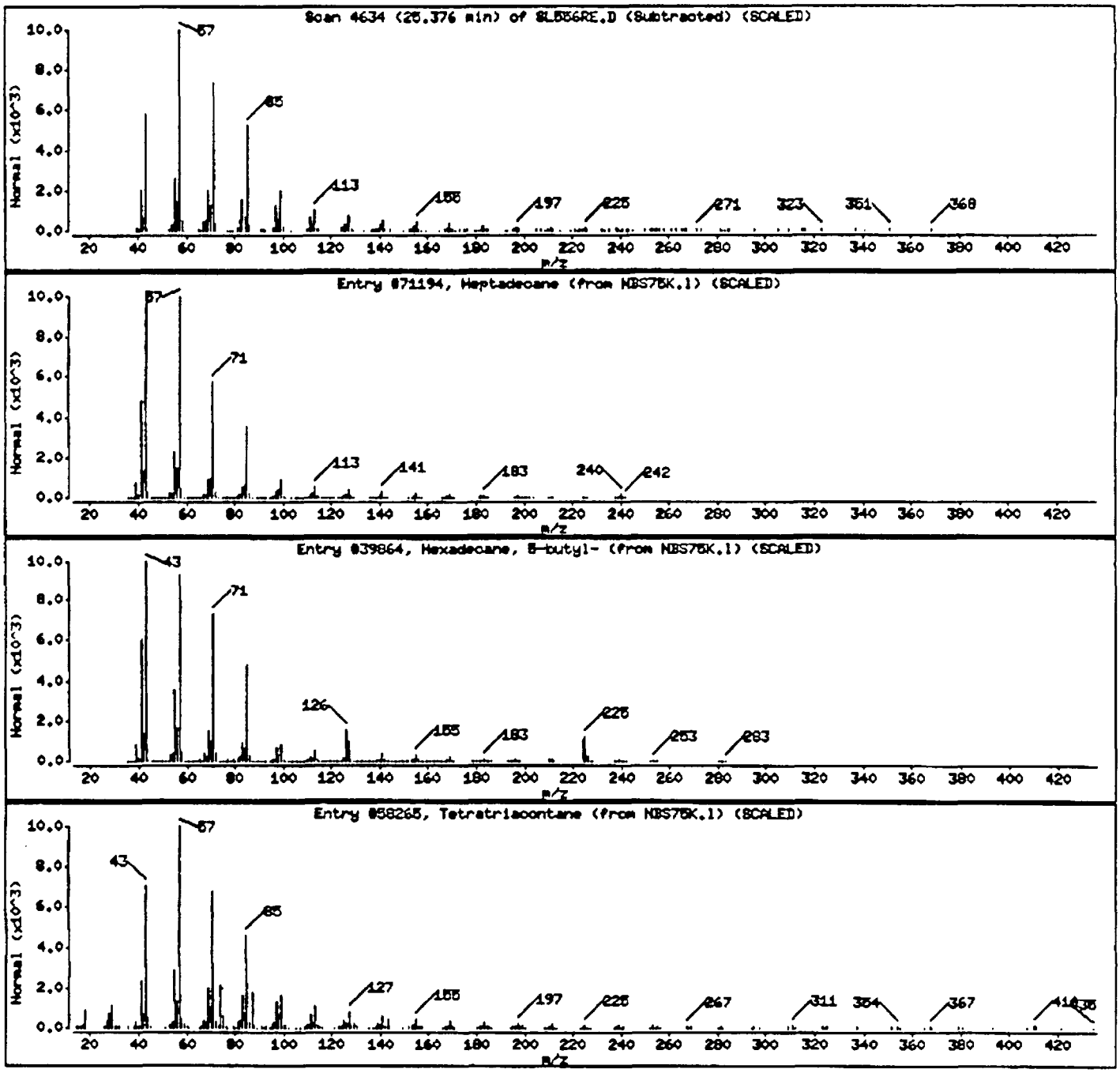
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.1	71194	96	C17H36	240
Hexadecane, 5-butyl-	6912-07-8	NBS75K.1	39864	91	C20H42	282
Tetratriacontane	14167-59-0	NBS75K.1	58265	91	C34H70	479



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Date : 30-SEP-2000 06:06

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90.sub

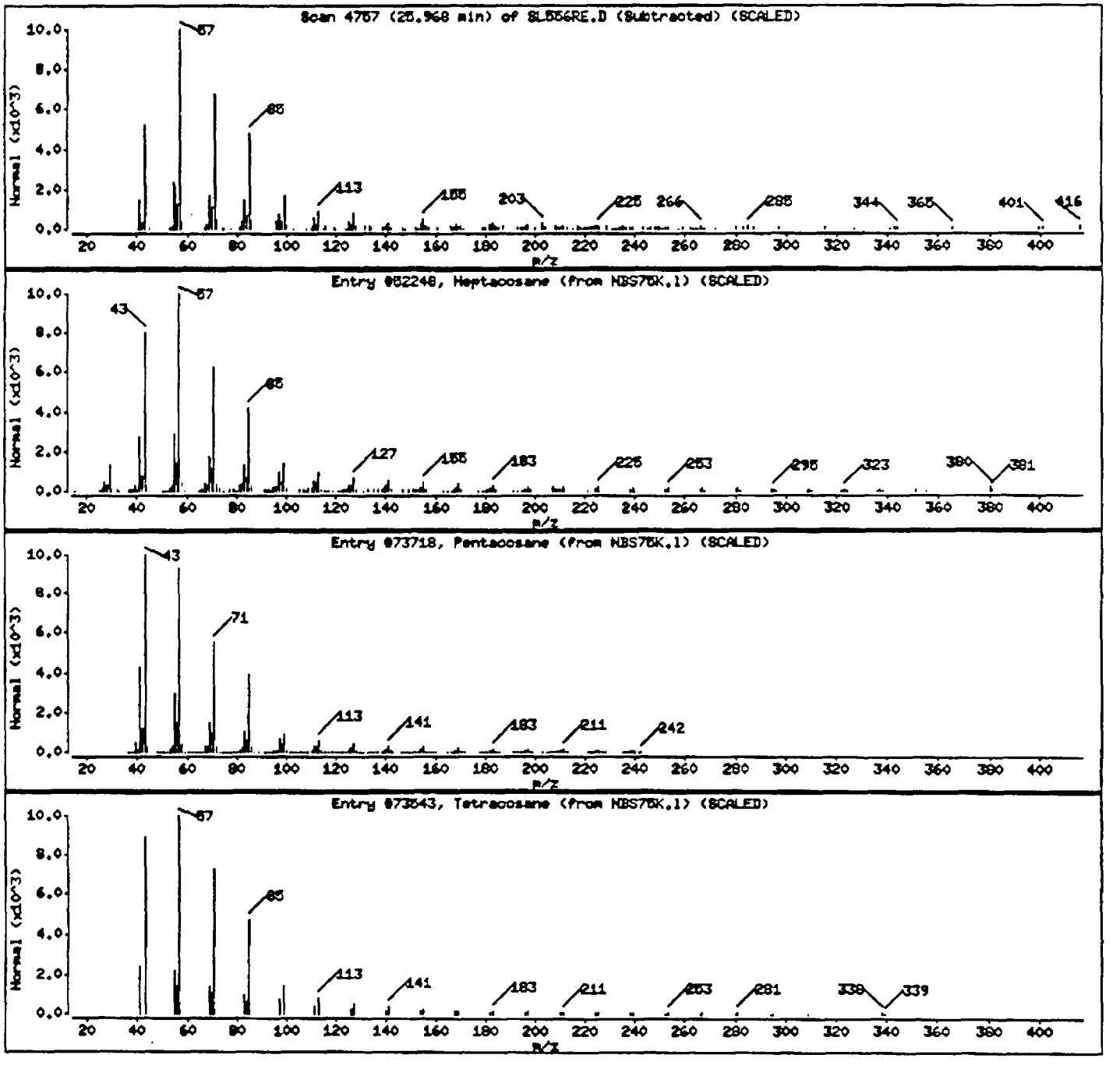
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.l	82248	87	C27H56	380
Pentacosane	629-99-2	NBS75K.l	73718	83	C25H52	352
Tetracosane	646-31-1	NBS75K.l	73543	83	C24H50	338



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Date : 30-SEP-2000 06:08

Client ID: SL55-6'

Instrument: a4hp8.i

Sample Info: djrp720u,00929a.b,olp31,1-olp90,sub

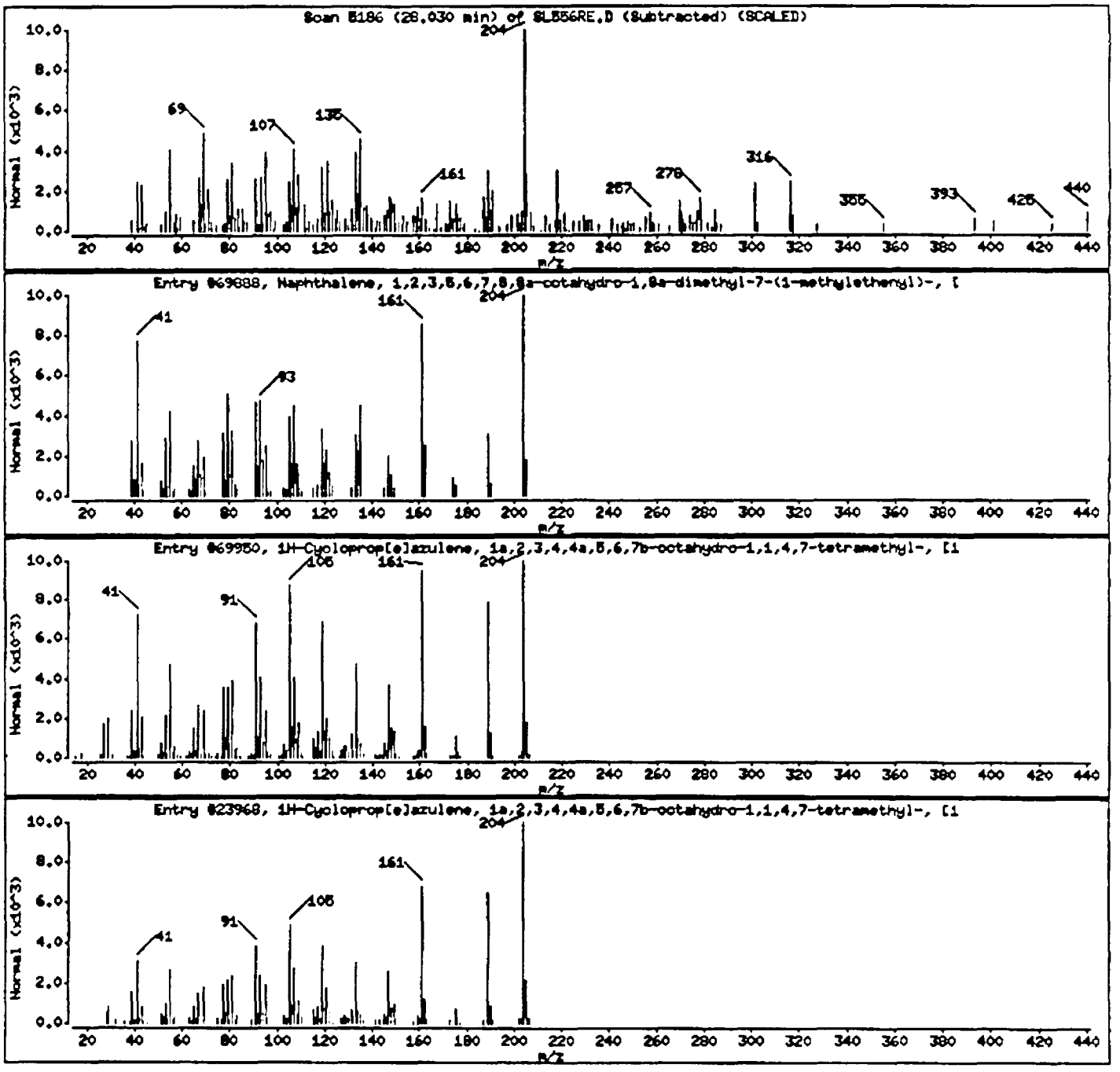
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	64	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69950	60	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	23968	55	C15H24	204



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.: I01248

Instrument ID: A4HP8 Calibration Date(s): 09/29/00 09/29/00

Calibration Time(s): 1735 2017

LAB FILE ID: RRF20 =8SL0929 RRF50 =8SML0929
RRF80 =8SM0929 RRF120=8SMH0929 RRF160=8SH0929

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol	*	1.849	1.921	1.839	1.812	1.881	1.860	2.3*
Bis(2-chloroethyl)ether	*	1.366	1.418	1.382	1.320	1.363	1.370	2.6*
2-Chlorophenol	*	1.227	1.294	1.254	1.200	1.230	1.241	2.8*
1,3-Dichlorobenzene	*	1.334	1.380	1.343	1.261	1.276	1.319	3.7*
1,4-Dichlorobenzene	*	1.354	1.386	1.349	1.262	1.283	1.327	3.9*
1,2-Dichlorobenzene	*	1.222	1.275	1.243	1.159	1.169	1.214	4.1*
2-Methylphenol	*	1.332	1.403	1.348	1.314	1.366	1.353	2.5*
2,2'-oxybis(1-Chloropropane)		1.628	1.699	1.658	1.593	1.662	1.648	2.4
N-Nitrosodinpropylamine	*	1.099	1.160	1.142	1.053	1.107	1.112	3.7*
4-Methylphenol	*	1.380	1.443	1.399	1.314	1.309	1.369	4.2*
Hexachloroethane	*	0.505	0.525	0.528	0.478	0.488	0.505	4.4*
Nitrobenzene	*	0.413	0.433	0.424	0.406	0.415	0.418	2.5*
Isophorone	*	0.716	0.762	0.755	0.700	0.692	0.725	4.4*
2-Nitrophenol	*	0.154	0.175	0.160	0.163	0.164	0.163	4.8*
2,4-Dimethylphenol	*	0.356	0.369	0.367	0.341	0.352	0.357	3.2*
Bis(2-chloroethoxy)methane	*	0.440	0.466	0.454	0.430	0.444	0.447	3.0*
2,4-Dichlorophenol	*	0.255	0.269	0.262	0.248	0.253	0.257	3.1*
1,2,4-Trichlorobenzene	*	0.270	0.278	0.274	0.256	0.261	0.268	3.4*
Naphthalene	*	0.953	0.989	0.965	0.897	0.907	0.942	4.2*
4-Chloroaniline		0.370	0.396	0.384	0.367	0.381	0.380	3.1
Hexachlorobutadiene		0.167	0.171	0.173	0.152	0.152	0.163	6.4
4-Chloro-3-Methylphenol	*	0.317	0.337	0.335	0.299	0.316	0.321	4.9*
2-Methylnaphthalene	*	0.587	0.615	0.606	0.551	0.568	0.585	4.5*
Hexachlorocyclopentadiene		0.330	0.336	0.356	0.314	0.320	0.331	5.0
2,4,6-Trichlorophenol	*	0.289	0.309	0.300	0.293	0.306	0.299	2.8*
2,4,5-Trichlorophenol	*	0.309	0.329	0.318	0.306	0.313	0.315	2.8*
2-Chloronaphthalene	*	0.908	0.937	0.920	0.875	0.863	0.901	3.4*
2-Nitroaniline		0.310	0.356	0.341	0.324	0.351	0.336	5.7
Dimethylphthalate		1.062	1.107	1.093	0.991	1.042	1.059	4.3
Acenaphthylene	*	1.468	1.536	1.516	1.414	1.446	1.476	3.4*
2,6-Dinitrotoluene	*	0.210	0.246	0.228	0.217	0.233	0.227	6.2*
3-Nitroaniline		0.220	0.269	0.248	0.229	0.262	0.246	8.4
Acenaphthene	*	0.924	0.954	0.935	0.866	0.884	0.913	4.0*
2,4-Dinitrophenol		0.074	0.132	0.115	0.121	0.152	0.119	23.9
4-Nitrophenol		0.122	0.143	0.152	0.112	0.143	0.134	12.3
Dibenzofuran	*	1.264	1.313	1.291	1.170	1.212	1.250	4.7*
2,4-Dinitrotoluene	*	0.278	0.320	0.302	0.259	0.302	0.292	8.2*

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date(s): 09/29/00 09/29/00

Calibration Time(s): 1735 2017

LAB FILE ID: RRF20 =8SL0929 RRF50 =8SML0929
RRF80 =8SM0929 RRF120=8SMH0929 RRF160=8SH0929

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate		0.984	1.022	1.040	0.852	0.924	0.964	8.0
4-Chlorophenyl-phenylether	*	0.533	0.559	0.550	0.492	0.505	0.528	5.4*
Fluorene	*	1.061	1.112	1.097	0.954	0.996	1.044	6.4*
4-Nitroaniline		0.203	0.253	0.238	0.192	0.246	0.226	12.1
4,6-Dinitro-2-methylphenol		0.084	0.122	0.110	0.120	0.131	0.113	16.2
N-Nitrosodiphenylamine (1)		0.469	0.484	0.466	0.504	0.473	0.479	3.3
4-Bromophenyl-phenylether	*	0.190	0.195	0.189	0.199	0.188	0.192	2.5*
Hexachlorobenzene	*	0.189	0.195	0.191	0.194	0.186	0.191	1.9*
Pentachlorophenol	*	0.107	0.126	0.130	0.122	0.133	0.124	8.2*
Phenanthrene	*	0.959	0.997	0.966	0.914	0.924	0.952	3.5*
Anthracene	*	0.923	0.964	0.941	0.886	0.908	0.924	3.2*
Carbazole		0.728	0.788	0.765	0.681	0.751	0.743	5.5
Di-n-Butylphthalate		1.024	1.056	1.034	0.879	0.931	0.985	7.7
Fluoranthene	*	0.900	0.960	0.932	0.765	0.851	0.882	8.7*
Pyrene	*	1.504	1.410	1.491	1.268	1.511	1.437	7.1*
Butylbenzylphthalate		0.552	0.532	0.548	0.463	0.506	0.520	7.1
3,3'-Dichlorobenzidine		0.328	0.371	0.347	0.352	0.340	0.348	4.6
Benzo(a)Anthracene	*	1.063	1.084	1.058	1.000	1.001	1.041	3.7*
Chrysene	*	1.000	1.042	1.013	0.987	1.015	1.011	2.0*
bis(2-ethylhexyl)Phthalate		0.771	0.762	0.778	0.665	0.711	0.737	6.6
Di-n-octylphthalate		1.733	1.654	1.764	1.627	1.466	1.649	7.1
Benzo(b)fluoranthene	*	1.326	1.410	1.367	1.375	1.330	1.362	2.6*
Benzo(k)fluoranthene	*	1.355	1.405	1.402	1.356	1.333	1.370	2.3*
Benzo(a)pyrene	*	1.164	1.247	1.205	1.179	1.193	1.198	2.6*
Indeno(1,2,3-cd)pyrene	*	0.966	1.115	1.078	1.006	1.120	1.057	6.5*
Dibenz(a,h)anthracene	*	0.973	1.092	1.068	0.991	1.086	1.042	5.4*
Benzo(g,h,i)perylene	*	0.959	1.074	1.055	0.968	1.048	1.021	5.2*
Nitrobenzene-d5		0.375	0.408	0.391	0.385	0.394	0.391	3.1*
2-Fluorobiphenyl	*	1.057	1.085	1.065	1.038	1.032	1.055	2.0*
Terphenyl-d14	*	1.025	0.971	1.011	0.870	1.028	0.981	6.7*
Phenol-d5	*	1.722	1.786	1.711	1.669	1.721	1.722	2.4*
2-Fluorophenol	*	1.290	1.325	1.266	1.230	1.261	1.274	2.8*
2,4,6-Tribromophenol		0.084	0.091	0.088	0.093	0.093	0.090	4.5
2-Chlorophenol-d4	*	1.128	1.171	1.130	1.096	1.121	1.129	2.4*
1,2-Dichlorobenzene-d4	*	0.781	0.797	0.788	0.705	0.704	0.755	6.2*

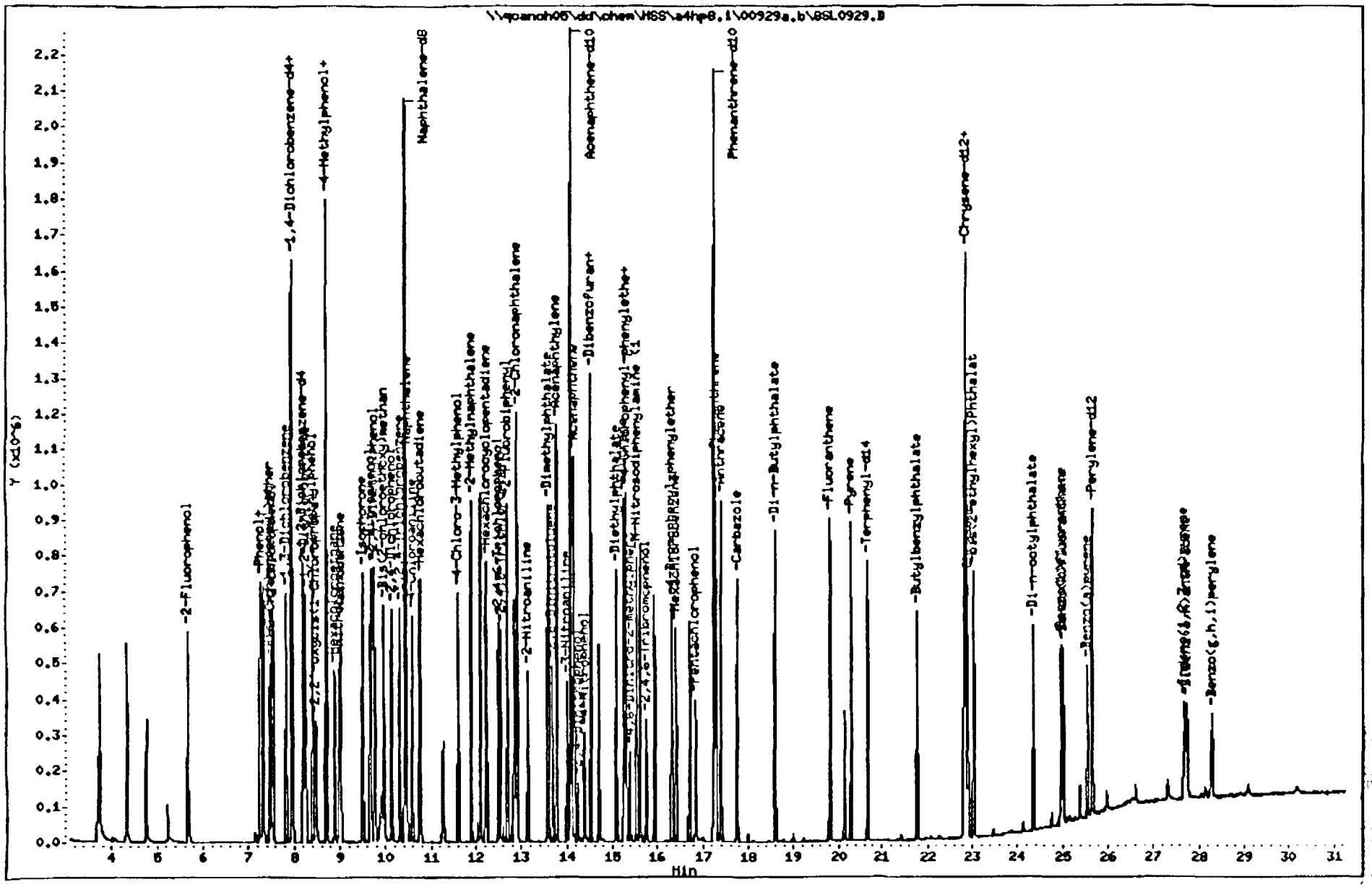
* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Data File: \\qpanoh05\dd\chem\HSS\a4hp8.i\00929a.b\BSL0929.D
Date : 29-SEP-2000 18:16
Client ID:
Sample Info: sstd020,00929a.b,olp31,1-olp90,sub

Column phase:

Instrument: a4hp8.i

Operator: 001574
Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SL0929.D
Lab Smp Id: sstd020
Inj Date : 29-SEP-2000 18:16
Operator : 001574 Inst ID: a4hp8.i
Smp Info : sstd020,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 09:02 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 18:16 Cal File: 8SL0929.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.941	7.941	(1.000)	370813	40.0000	
* 2 Naphthalene-d8	136	10.422	10.422	(1.000)	1441274	40.0000	
* 3 Acenaphthene-d10	164	14.091	14.091	(1.000)	873175	40.0000	
* 4 Phenanthrene-d10	188	17.236	17.236	(1.000)	1379202	40.0000	
* 5 Chrysene-d12	240	22.863	22.863	(1.000)	823469	40.0000	
* 6 Perylene-d12	264	25.666	25.666	(1.000)	507546	40.0000	
7 Phenol	94	7.272	7.272	(0.916)	342834	20.0000	20
8 Bis(2-chloroethyl)ether	93	7.460	7.460	(0.939)	253222	20.0000	20
9 2-Chlorophenol	128	7.542	7.542	(0.950)	227481	20.0000	20
10 1,3-Dichlorobenzene	146	7.830	7.830	(0.986)	247403	20.0000	20
11 1,4-Dichlorobenzene	146	7.970	7.970	(1.004)	251137	20.0000	20
12 1,2-Dichlorobenzene	146	8.249	8.249	(1.039)	226505	20.0000	20
13 2-Methylphenol	108	8.403	8.403	(1.058)	247034	20.0000	20
14 2,2'-oxybis(1-Chloropropane)	45	8.465	8.465	(1.066)	301926	20.0000	20(H)
15 4-Methylphenol	108	8.701	8.701	(1.096)	255817	20.0000	20
16 N-Nitrosodinpropylamine	70	8.720	8.720	(1.098)	203802	20.0000	20
17 Hexachloroethane	117	8.893	8.893	(1.120)	93582	20.0000	20
18 Nitrobenzene	77	9.028	9.028	(0.866)	297617	20.0000	20
19 Isophorone	82	9.509	9.509	(0.912)	515928	20.0000	19
20 2-Nitrophenol	139	9.658	9.658	(0.927)	110945	20.0000	20
21 2,4-Dimethylphenol	107	9.759	9.759	(0.936)	256901	20.0000	20
22 Bis(2-chloroethoxy)methane	93	9.965	9.965	(0.956)	316781	20.0000	20
23 2,4-Dichlorophenol	162	10.134	10.134	(0.972)	183665	20.0000	20
24 1,2,4-Trichlorobenzene	180	10.312	10.312	(0.989)	194685	20.0000	20
25 Naphthalene	128	10.466	10.466	(1.004)	687125	20.0000	20
26 4-Chloroaniline	127	10.581	10.581	(1.015)	267018	20.0000	20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.740	10.740	(1.030)	120566	20.0000	20
28 4-Chloro-3-Methylphenol	107	11.610	11.610	(1.114)	228412	20.0000	19
29 2-Methylnaphthalene	142	11.903	11.903	(1.142)	423309	20.0000	20
30 Hexachlorocyclopentadiene	237	12.240	12.240	(0.869)	144264	20.0000	19
31 2,4,6-Trichlorophenol	196	12.500	12.500	(0.887)	126049	20.0000	20
32 2,4,5-Trichlorophenol	196	12.562	12.562	(0.891)	134867	20.0000	20
33 2-Chloronaphthalene	162	12.913	12.913	(0.916)	396577	20.0000	20
34 2-Nitroaniline	65	13.139	13.139	(0.932)	135332	20.0000	19
35 Dimethylphthalate	163	13.582	13.582	(0.964)	463469	20.0000	20
36 Acenaphthylene	152	13.779	13.779	(0.978)	640844	20.0000	20
37 2,6-Dinitrotoluene	165	13.687	13.687	(0.971)	91671	20.0000	19
38 3-Nitroaniline	138	14.014	14.014	(0.995)	96214	20.0000	19
39 Acenaphthene	153	14.154	14.154	(1.004)	403302	20.0000	20
40 2,4-Dinitrophenol	184	14.240	14.240	(1.011)	32505	20.0000	16
41 4-Nitrophenol	109	14.385	14.385	(1.021)	53292	20.0000	18
42 Dibenzofuran	168	14.524	14.524	(1.031)	552079	20.0000	20
43 2,4-Dinitrotoluene	165	14.524	14.524	(1.031)	121358	20.0000	19
44 Diethylphthalate	149	15.087	15.087	(1.071)	429666	20.0000	19
45 4-Chlorophenyl-phenylether	204	15.284	15.284	(1.085)	232592	20.0000	20
46 Fluorene	166	15.250	15.250	(1.082)	463115	20.0000	20
47 4-Nitroaniline	138	15.298	15.298	(1.086)	88686	20.0000	18
48 4,6-Dinitro-2-methylphenol	198	15.380	15.380	(0.892)	57613	20.0000	17
49 N-Nitrosodiphenylamine (1)	169	15.539	15.539	(0.902)	323371	20.0000	20
50 4-Bromophenyl-phenylether	248	16.318	16.318	(0.947)	131274	20.0000	20
51 Hexachlorobenzene	284	16.409	16.409	(0.952)	130158	20.0000	20
53 Pentachlorophenol	266	16.832	16.832	(0.977)	73759	20.0000	18
54 Phenanthrene	178	17.284	17.284	(1.003)	661469	20.0000	20
55 Anthracene	178	17.390	17.390	(1.009)	636230	20.0000	20
56 Carbazole	167	17.751	17.751	(1.030)	501884	20.0000	20
57 Di-n-Butylphthalate	149	18.592	18.592	(1.079)	706552	20.0000	20
58 Fluoranthene	202	19.809	19.809	(1.149)	620357	20.0000	20
59 Pyrene	202	20.280	20.280	(0.887)	619334	20.0000	20
60 Butylbenzylphthalate	149	21.776	21.776	(0.952)	227289	20.0000	20
61 3,3'-Dichlorobenzidine	252	22.824	22.824	(0.998)	134874	20.0000	19
62 Benzo(a)Anthracene	228	22.839	22.839	(0.999)	437786	20.0000	20
63 Chrysene	228	22.911	22.911	(1.002)	411864	20.0000	20
64 bis(2-ethylhexyl)Phthalate	149	23.041	23.041	(1.008)	317615	20.0000	20
65 Di-n-octylphthalate	149	24.353	24.353	(0.949)	439812	20.0000	20
66 Benzo(b)fluoranthene	252	24.969	24.969	(0.973)	336389	20.0000	20
67 Benzo(k)fluoranthene	252	25.022	25.022	(0.975)	343761	20.0000	20
68 Benzo(a)pyrene	252	25.560	25.560	(0.996)	295458	20.0000	20
69 Indeno(1,2,3-cd)pyrene	276	27.695	27.695	(1.079)	245040	20.0000	19
70 Dibenz(a,h)anthracene	278	27.748	27.748	(1.081)	246878	20.0000	19
71 Benzo(g,h,i)perylene	276	28.282	28.282	(1.102)	243380	20.0000	19
$ 72 Nitrobenzene-d5	82	8.989	8.989	(0.863)	270583	20.0000	20
$ 73 2-Fluorobiphenyl	172	12.692	12.692	(0.901)	461602	20.0000	20
$ 74 Terphenyl-d14	244	20.675	20.675	(0.904)	422146	20.0000	20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
$ 75 Phenol-d5	99	7.248	7.248	(0.913)	319281	20.0000	20
$ 76 2-Fluorophenol	112	5.671	5.671	(0.714)	239214	20.0000	20
$ 77 2,4,6-Tribromophenol	330	15.755	15.755	(0.914)	57831	20.0000	20
$ 78 2-Chlorophenol-d4	132	7.513	7.513	(0.946)	209052	20.0000	20
$ 79 1,2-Dichlorobenzene-d4	152	8.220	8.220	(1.035)	144819	20.0000	20

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\wpanoh05\dd\chem\HSS\a4hp8.i\00929a.b\BSHL0929.D

Date : 29-SEP-2000 20:17

Client ID:

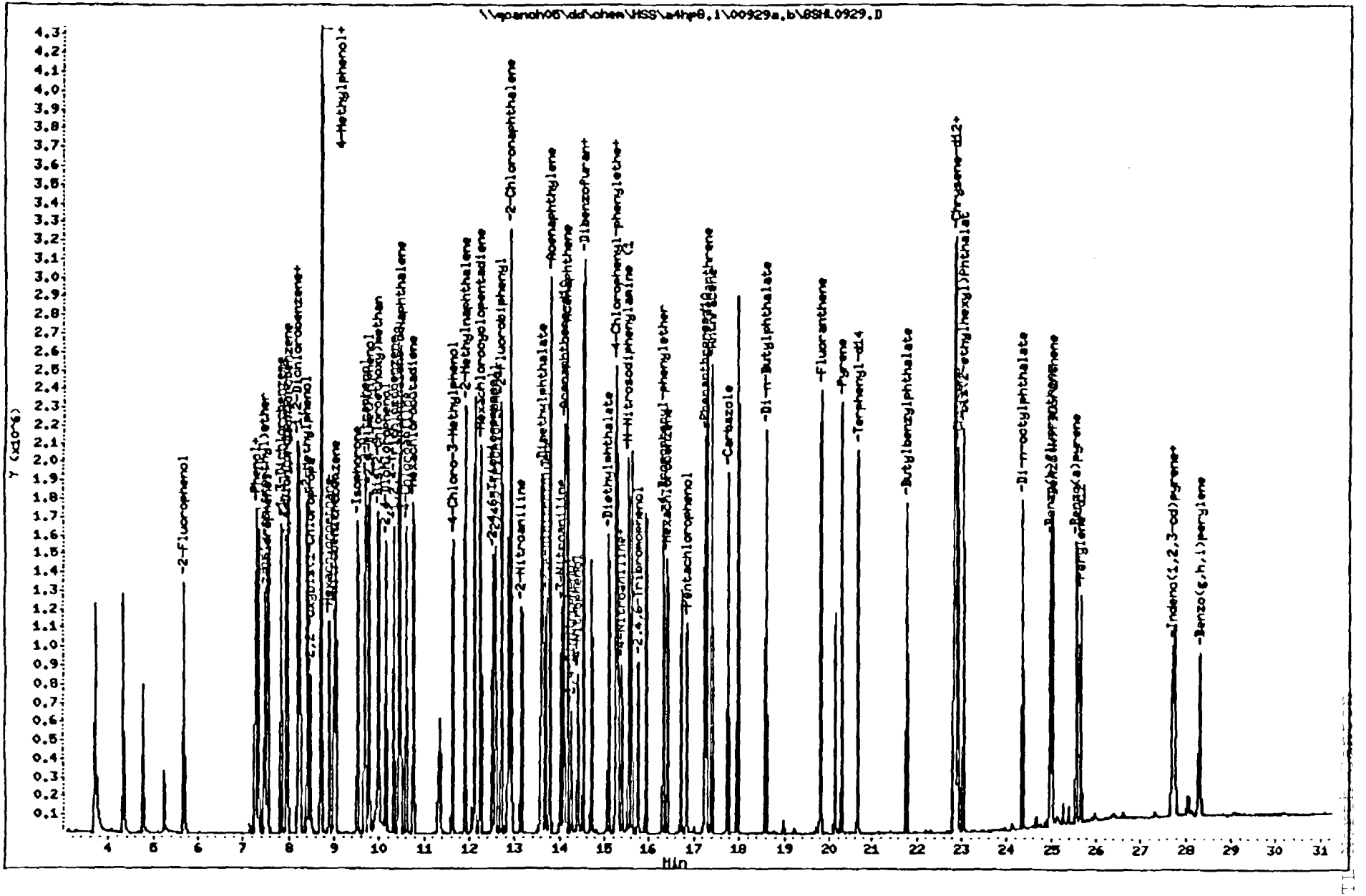
Sample Info: sstd060,00929a.b,olp31,1-olp90,sub

Column phase:

Instrument: a4hp8.i

Operator: 001874

Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SML0929.D
Lab Smp Id: sstd050
Inj Date : 29-SEP-2000 20:17
Operator : 001574 Inst ID: a4hp8.i
Smp Info : sstd050,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 09:14 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	365340	40.0000	
* 2 Naphthalene-d8	136	10.426	10.426	(1.000)	1435708	40.0000	
* 3 Acenaphthene-d10	164	14.095	14.095	(1.000)	887853	40.0000	
* 4 Phenanthrene-d10	188	17.240	17.240	(1.000)	1438411	40.0000	
* 5 Chrysene-d12	240	22.866	22.866	(1.000)	985714	40.0000	
* 6 Perylene-d12	264	25.665	25.665	(1.000)	672762	40.0000	
7 Phenol	94	7.286	7.286	(0.918)	877181	50.0000	52
8 Bis(2-chloroethyl)ether	93	7.469	7.469	(0.941)	647425	50.0000	52
9 2-Chlorophenol	128	7.545	7.545	(0.950)	590817	50.0000	52
10 1,3-Dichlorobenzene	146	7.834	7.834	(0.987)	630098	50.0000	52
11 1,4-Dichlorobenzene	146	7.973	7.973	(1.004)	633020	50.0000	52
12 1,2-Dichlorobenzene	146	8.252	8.252	(1.039)	582081	50.0000	52
13 2-Methylphenol	108	8.406	8.406	(1.059)	640774	50.0000	52
14 2,2'-oxybis(1-Chloropropane)	45	8.474	8.474	(1.067)	775726	50.0000	52
15 4-Methylphenol	108	8.714	8.714	(1.098)	658885	50.0000	53
16 N-Nitrosodinpropylamine	70	8.733	8.733	(1.100)	529749	50.0000	52
17 Hexachloroethane	117	8.892	8.892	(1.120)	239730	50.0000	52
18 Nitrobenzene	77	9.036	9.036	(0.867)	777387	50.0000	52
19 Isophorone	82	9.522	9.522	(0.913)	1367878	50.0000	52
20 2-Nitrophenol	139	9.661	9.661	(0.927)	314592	50.0000	54
21 2,4-Dimethylphenol	107	9.767	9.767	(0.937)	662674	50.0000	52
22 Bis(2-chloroethoxy)methane	93	9.974	9.974	(0.957)	835422	50.0000	52
23 2,4-Dichlorophenol	162	10.142	10.142	(0.973)	482603	50.0000	52
24 1,2,4-Trichlorobenzene	180	10.315	10.315	(0.989)	499874	50.0000	52
25 Naphthalene	128	10.469	10.469	(1.004)	1774198	50.0000	52
26 4-Chloroaniline	127	10.589	10.589	(1.016)	711540	50.0000	52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.738	10.738	(1.030)	306540	50.0000	52
28 4-Chloro-3-Methylphenol	107	11.623	11.623	(1.115)	604824	50.0000	52
29 2-Methylnaphthalene	142	11.902	11.902	(1.142)	1104145	50.0000	52
30 Hexachlorocyclopentadiene	237	12.239	12.239	(0.868)	373402	50.0000	51
31 2,4,6-Trichlorophenol	196	12.503	12.503	(0.887)	342920	50.0000	52
32 2,4,5-Trichlorophenol	196	12.571	12.571	(0.892)	364984	50.0000	52
33 2-Chloronaphthalene	162	12.922	12.922	(0.917)	1039575	50.0000	52
34 2-Nitroaniline	65	13.148	13.148	(0.933)	394802	50.0000	53
35 Dimethylphthalate	163	13.595	13.595	(0.965)	1228261	50.0000	52
36 Acenaphthylene	152	13.787	13.787	(0.978)	1704934	50.0000	52
37 2,6-Dinitrotoluene	165	13.701	13.701	(0.972)	272930	50.0000	54
38 3-Nitroaniline	138	14.028	14.028	(0.995)	298405	50.0000	55
39 Acenaphthene	153	14.162	14.162	(1.005)	1059024	50.0000	52
40 2,4-Dinitrophenol	184	14.249	14.249	(1.011)	146606	50.0000	56
41 4-Nitrophenol	109	14.403	14.403	(1.022)	158799	50.0000	53
42 Dibenzofuran	168	14.533	14.533	(1.031)	1456897	50.0000	52
43 2,4-Dinitrotoluene	165	14.537	14.537	(1.031)	355326	50.0000	55
44 Diethylphthalate	149	15.095	15.095	(1.071)	1134587	50.0000	53
45 4-Chlorophenyl-phenylether	204	15.288	15.288	(1.085)	620858	50.0000	53
46 Fluorene	166	15.259	15.259	(1.083)	1234425	50.0000	53
47 4-Nitroaniline	138	15.326	15.326	(1.087)	280695	50.0000	56
48 4,6-Dinitro-2-methylphenol	198	15.393	15.393	(0.893)	219214	50.0000	54
49 N-Nitrosodiphenylamine (1)	169	15.547	15.547	(0.902)	870302	50.0000	50
50 4-Bromophenyl-phenylether	248	16.322	16.322	(0.947)	350903	50.0000	51
51 Hexachlorobenzene	284	16.418	16.418	(0.952)	350342	50.0000	51
53 Pentachlorophenol	266	16.841	16.841	(0.977)	226571	50.0000	51
54 Phenanthrene	178	17.293	17.293	(1.003)	1793340	50.0000	52
55 Anthracene	178	17.399	17.399	(1.009)	1733747	50.0000	52
56 Carbazole	167	17.759	17.759	(1.030)	1415978	50.0000	53
57 Di-n-Butylphthalate	149	18.596	18.596	(1.079)	1899765	50.0000	54
58 Fluoranthene	202	19.813	19.813	(1.149)	1726264	50.0000	54
59 Pyrene	202	20.289	20.289	(0.887)	1737019	50.0000	49
60 Butylbenzylphthalate	149	21.775	21.775	(0.952)	655369	50.0000	51
61 3,3'-Dichlorobenzidine	252	22.828	22.828	(0.998)	456664	50.0000	53
62 Benzo(a)Anthracene	228	22.842	22.842	(0.999)	1335173	50.0000	52
63 Chrysene	228	22.919	22.919	(1.002)	1284426	50.0000	52
64 bis(2-ethylhexyl)Phthalate	149	23.039	23.039	(1.008)	939070	50.0000	52
65 Di-n-octylphthalate	149	24.352	24.352	(0.949)	1390936	50.0000	50
66 Benzo(b)fluoranthene	252	24.977	24.977	(0.973)	1185795	50.0000	52
67 Benzo(k)fluoranthene	252	25.030	25.030	(0.975)	1181443	50.0000	51
68 Benzo(a)pyrene	252	25.564	25.564	(0.996)	1048747	50.0000	52
69 Indeno(1,2,3-cd)pyrene	276	27.704	27.704	(1.079)	938007	50.0000	53
70 Dibenz(a,h)anthracene	278	27.757	27.757	(1.082)	918100	50.0000	52
71 Benzo(g,h,i)perylene	276	28.295	28.295	(1.102)	903423	50.0000	53
$ 72 Nitrobenzene-d5	82	8.998	8.998	(0.863)	732325	50.0000	52
$ 73 2-Fluorobiphenyl	172	12.696	12.696	(0.901)	1204510	50.0000	51
$ 74 Terphenyl-d14	244	20.683	20.683	(0.905)	1196724	50.0000	49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
$ 75 Phenol-d5	99	7.262	7.262	(0.915)	815885	50.0000	52
$ 76 2-Fluorophenol	112	5.670	5.670	(0.714)	605112	50.0000	52
$ 77 2,4,6-Tribromophenol	330	15.764	15.764	(0.914)	164034	50.0000	51
$ 78 2-Chlorophenol-d4	132	7.517	7.517	(0.947)	834705	50.0000	52
$ 79 1,2-Dichlorobenzene-d4	152	8.223	8.223	(1.036)	364033	50.0000	53

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Date : 29-SEP-2000 17:35

Client ID:

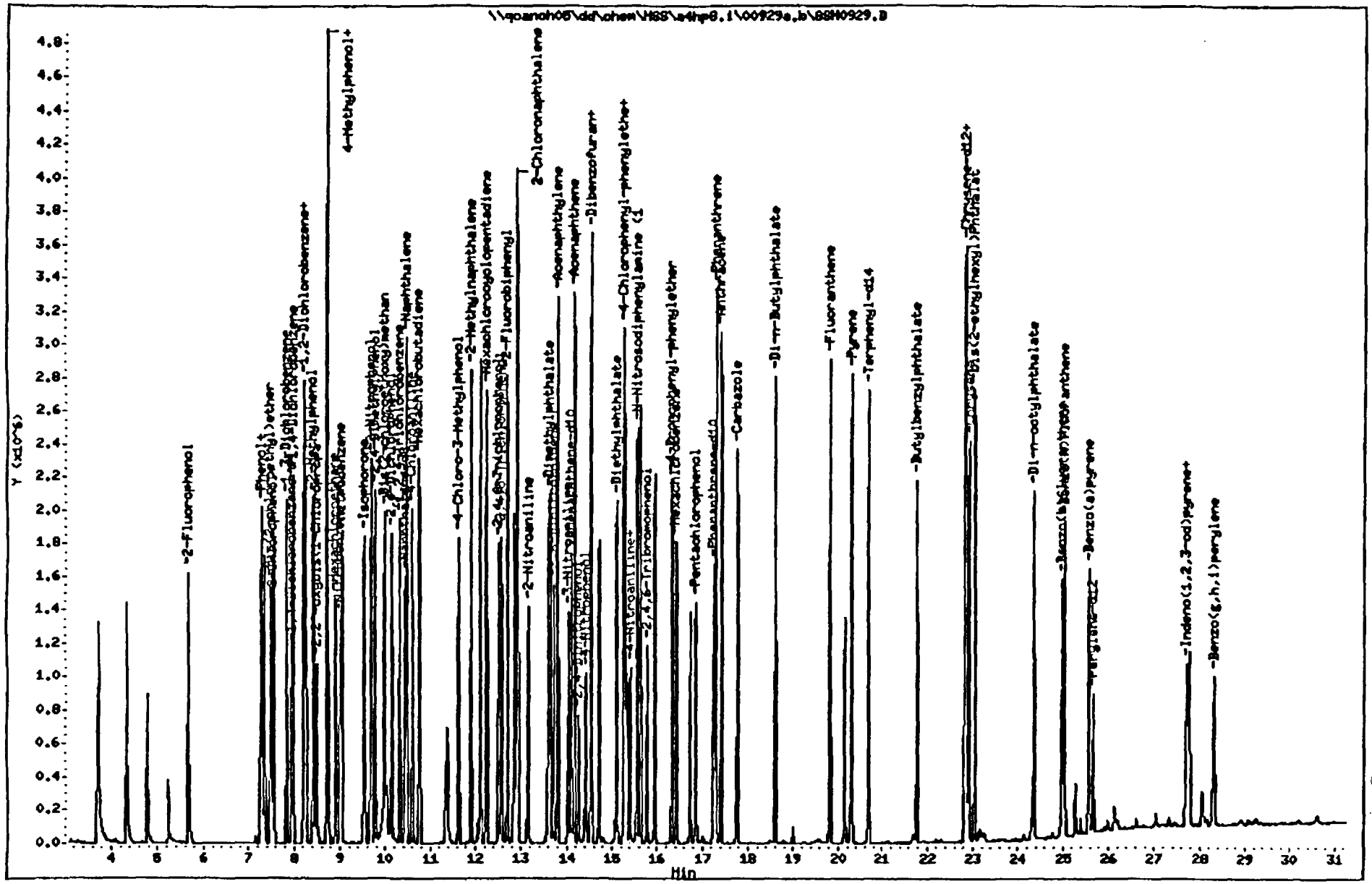
Sample Info: sstd080,00929a.b,olp31,1-olp90.sub

Column phase:

Instrument: a4hp8.i

Operator: 001574

Column diameter: 2.00



STL North Canton

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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SM0929.D
Lab Smp Id: sstd080
Inj Date : 29-SEP-2000 17:35
Operator : 001574 Inst ID: a4hp8.i
Smp Info : sstd080,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 08:59 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 17:35 Cal File: 8SM0929.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.943	7.943	(1.000)	281720	40.0000	
* 2 Naphthalene-d8	136	10.429	10.429	(1.000)	1111603	40.0000	
* 3 Acenaphthene-d10	164	14.098	14.098	(1.000)	697779	40.0000	
* 4 Phenanthrene-d10	188	17.243	17.243	(1.000)	1153883	40.0000	
* 5 Chrysene-d12	240	22.870	22.870	(1.000)	731488	40.0000	
* 6 Perylene-d12	264	25.668	25.668	(1.000)	460274	40.0000	
7 Phenol	94	7.294	7.294	(0.918)	1036101	80.0000	80
8 Bis(2-chloroethyl)ether	93	7.477	7.477	(0.941)	778426	80.0000	80
9 2-Chlorophenol	128	7.554	7.554	(0.951)	706676	80.0000	80
10 1,3-Dichlorobenzene	146	7.837	7.837	(0.987)	756894	80.0000	80
11 1,4-Dichlorobenzene	146	7.977	7.977	(1.004)	760298	80.0000	80
12 1,2-Dichlorobenzene	146	8.256	8.256	(1.039)	700364	80.0000	80
13 2-Methylphenol	108	8.414	8.414	(1.059)	759336	80.0000	80
14 2,2'-oxybis(1-Chloropropane)	45	8.482	8.482	(1.068)	934402	80.0000	80
15 4-Methylphenol	108	8.727	8.727	(1.099)	788136	80.0000	80
16 N-Nitrosodinpropylamine	70	8.741	8.741	(1.100)	643480	80.0000	80
17 Hexachloroethane	117	8.895	8.895	(1.120)	297739	80.0000	80
18 Nitrobenzene	77	9.044	9.044	(0.867)	943160	80.0000	80
19 Isophorone	82	9.530	9.530	(0.914)	1679018	80.0000	80
20 2-Nitrophenol	139	9.669	9.669	(0.927)	354634	80.0000	80
21 2,4-Dimethylphenol	107	9.775	9.775	(0.937)	815292	80.0000	80
22 Bis(2-chloroethoxy)methane	93	9.982	9.982	(0.957)	1009388	80.0000	80
23 2,4-Dichlorophenol	162	10.146	10.146	(0.973)	582336	80.0000	80
24 1,2,4-Trichlorobenzene	180	10.323	10.323	(0.990)	610000	80.0000	80
25 Naphthalene	128	10.473	10.473	(1.004)	2145519	80.0000	80
26 4-Chloroaniline	127	10.598	10.598	(1.016)	852651	80.0000	80

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.747	10.747	(1.030)	384690	80.0000	80
28 4-Chloro-3-Methylphenol	107	11.636	11.636	(1.116)	745505	80.0000	80
29 2-Methylnaphthalene	142	11.910	11.910	(1.142)	1346582	80.0000	80
30 Hexachlorocyclopentadiene	237	12.247	12.247	(0.869)	496981	80.0000	80
31 2,4,6-Trichlorophenol	196	12.511	12.511	(0.887)	418870	80.0000	80
32 2,4,5-Trichlorophenol	196	12.584	12.584	(0.893)	443637	80.0000	80
33 2-Chloronaphthalene	162	12.930	12.930	(0.917)	1284710	80.0000	80
34 2-Nitroaniline	65	13.161	13.161	(0.933)	476424	80.0000	80
35 Dimethylphthalate	163	13.608	13.608	(0.965)	1525731	80.0000	80
36 Acenaphthylene	152	13.795	13.795	(0.979)	2116274	80.0000	80
37 2,6-Dinitrotoluene	165	13.709	13.709	(0.972)	318986	80.0000	80
38 3-Nitroaniline	138	14.041	14.041	(0.996)	345915	80.0000	80
39 Acenaphthene	153	14.171	14.171	(1.005)	1304773	80.0000	80
40 2,4-Dinitrophenol	184	14.262	14.262	(1.012)	160628	80.0000	80
41 4-Nitrophenol	109	14.416	14.416	(1.023)	212872	80.0000	80
42 Dibenzofuran	168	14.541	14.541	(1.031)	1801528	80.0000	80
43 2,4-Dinitrotoluene	165	14.550	14.550	(1.032)	421430	80.0000	80
44 Diethylphthalate	149	15.103	15.103	(1.071)	1451283	80.0000	80
45 4-Chlorophenyl-phenylether	204	15.296	15.296	(1.085)	768226	80.0000	80
46 Fluorene	166	15.267	15.267	(1.083)	1530677	80.0000	80
47 4-Nitroaniline	138	15.339	15.339	(1.088)	332447	80.0000	80
48 4,6-Dinitro-2-methylphenol	198	15.406	15.406	(0.893)	254362	80.0000	80
49 N-Nitrosodiphenylamine (1)	169	15.555	15.555	(0.902)	1074566	80.0000	80
50 4-Bromophenyl-phenylether	248	16.330	16.330	(0.947)	435704	80.0000	80
51 Hexachlorobenzene	284	16.426	16.426	(0.953)	440591	80.0000	80
53 Pentachlorophenol	266	16.849	16.849	(0.977)	300491	80.0000	80
54 Phenanthrene	178	17.296	17.296	(1.003)	2230130	80.0000	80
55 Anthracene	178	17.407	17.407	(1.009)	2171880	80.0000	80
56 Carbazole	167	17.768	17.768	(1.030)	1764590	80.0000	80
57 Di-n-Butylphthalate	149	18.599	18.599	(1.079)	2387216	80.0000	80
58 Fluoranthene	202	19.821	19.821	(1.149)	2150555	80.0000	80
59 Pyrene	202	20.297	20.297	(0.888)	2180739	80.0000	80
60 Butylbenzylphthalate	149	21.783	21.783	(0.952)	801449	80.0000	80
61 3,3'-Dichlorobenzidine	252	22.831	22.831	(0.998)	508365	80.0000	80
62 Benzo(a)Anthracene	228	22.846	22.846	(0.999)	1548029	80.0000	80
63 Chrysene	228	22.927	22.927	(1.003)	1481560	80.0000	80
64 bis(2-ethylhexyl)Phthalate	149	23.043	23.043	(1.008)	1138654	80.0000	80
65 Di-n-octylphthalate	149	24.356	24.356	(0.949)	1623735	80.0000	80
66 Benzo(b)fluoranthene	252	24.981	24.981	(0.973)	1258788	80.0000	80
67 Benzo(k)fluoranthene	252	25.034	25.034	(0.975)	1290720	80.0000	80
68 Benzo(a)pyrene	252	25.572	25.572	(0.996)	1109407	80.0000	80
69 Indeno(1,2,3-cd)pyrene	276	27.712	27.712	(1.080)	991904	80.0000	80
70 Dibenz(a,h)anthracene	278	27.765	27.765	(1.082)	982697	80.0000	80
71 Benzo(g,h,i)perylene	276	28.304	28.304	(1.103)	971518	80.0000	80
$ 72 Nitrobenzene-d5	82	9.006	9.006	(0.864)	869536	80.0000	80
$ 73 2-Fluorobiphenyl	172	12.704	12.704	(0.901)	1485773	80.0000	80
$ 74 Terphenyl-d14	244	20.686	20.686	(0.905)	1478999	80.0000	80

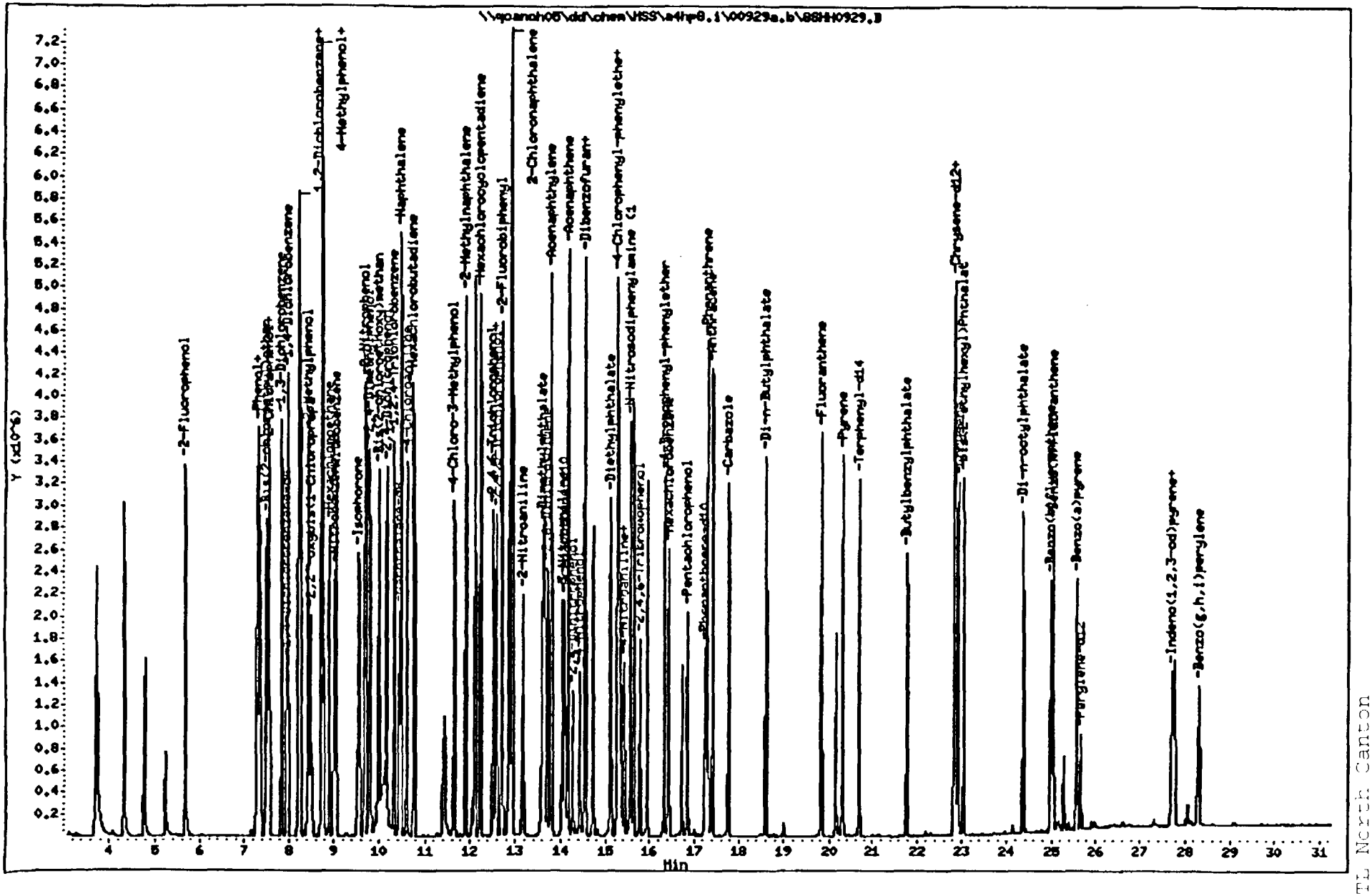
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	7.270	7.270	(0.915)	964142	80.0000	80
$ 76 2-Fluorophenol	112	5.673	5.673	(0.714)	713371	80.0000	80
$ 77 2,4,6-Tribromophenol	330	15.772	15.772	(0.915)	203182	80.0000	80
$ 78 2-Chlorophenol-d4	132	7.525	7.525	(0.947)	636998	80.0000	80
$ 79 1,2-Dichlorobenzene-d4	152	8.227	8.227	(1.036)	444294	80.0000	80

Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\BSHH0929.B
Date : 29-SEP-2000 19:37
Client ID:
Sample Info: zstd120,00929a.b,olp31,1-olp90.sub

Column phase:

Instrument: a4hp8.i

Operator: 001574
Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SMH0929.D
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Inj Date : 29-SEP-2000 19:37
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Misc Info :
Comment :
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Meth Date : 30-Sep-2000 09:10 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 19:37 Cal File: 8SMH0929.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: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.945	7.945	(1.000)	400709	40.0000	
* 2 Naphthalene-d8	136	10.436	10.436	(1.000)	1569428	40.0000	
* 3 Acenaphthene-d10	164	14.100	14.100	(1.000)	911826	40.0000	
* 4 Phenanthrene-d10	188	17.245	17.245	(1.000)	1203692	40.0000	
* 5 Chrysene-d12	240	22.871	22.871	(1.000)	729663	40.0000	
* 6 Perylene-d12	264	25.665	25.665	(1.000)	478307	40.0000	
7 Phenol	94	7.315	7.315	(0.921)	2178277	120.000	120
8 Bis(2-chloroethyl)ether	93	7.488	7.488	(0.943)	1586750	120.000	120
9 2-Chlorophenol	128	7.565	7.565	(0.952)	1442432	120.000	120
10 1,3-Dichlorobenzene	146	7.844	7.844	(0.987)	1515957	120.000	120
11 1,4-Dichlorobenzene	146	7.983	7.983	(1.005)	1517340	120.000	120
12 1,2-Dichlorobenzene	146	8.262	8.262	(1.040)	1392850	120.000	120
13 2-Methylphenol	108	8.426	8.426	(1.061)	1579550	120.000	120
14 2,2'-oxybis(1-Chloropropane)	45	8.488	8.488	(1.068)	1914690	120.000	120
15 4-Methylphenol	108	8.743	8.743	(1.100)	1579966	120.000	120
16 N-Nitrosodipropylamine	70	8.787	8.787	(1.106)	1265371	120.000	110(M) 2
17 Hexachloroethane	117	8.902	8.902	(1.120)	574983	120.000	110
18 Nitrobenzene	77	9.061	9.061	(0.868)	1912492	120.000	120
19 Isophorone	82	9.551	9.551	(0.915)	3296068	120.000	120
20 2-Nitrophenol	139	9.681	9.681	(0.928)	769713	120.000	120
21 2,4-Dimethylphenol	107	9.787	9.787	(0.938)	1605995	120.000	120
22 Bis(2-chloroethoxy)methane	93	9.994	9.994	(0.958)	2025182	120.000	120
23 2,4-Dichlorophenol	162	10.162	10.162	(0.974)	1168966	120.000	120
24 1,2,4-Trichlorobenzene	180	10.325	10.325	(0.989)	1207925	120.000	120
25 Naphthalene	128	10.484	10.484	(1.005)	4222072	120.000	120
26 4-Chloroaniline	127	10.609	10.609	(1.017)	1727214	120.000	120

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.748	10.748	(1.030)	715118	120.000	110
28 4-Chloro-3-Methylphenol	107	11.653	11.653	(1.117)	1406561	120.000	110
29 2-Methylnaphthalene	142	11.917	11.917	(1.142)	2593831	120.000	110
30 Hexachlorocyclopentadiene	237	12.249	12.249	(0.869)	857739	120.000	110
31 2,4,6-Trichlorophenol	196	12.518	12.518	(0.888)	802052	120.000	120
32 2,4,5-Trichlorophenol	196	12.595	12.595	(0.893)	838404	120.000	120(M)
33 2-Chloronaphthalene	162	12.941	12.941	(0.918)	2393849	120.000	120
34 2-Nitroaniline	65	13.167	13.167	(0.934)	886180	120.000	120
35 Dimethylphthalate	163	13.610	13.610	(0.965)	2709797	120.000	110
36 Acenaphthylene	152	13.802	13.802	(0.979)	3869127	120.000	120
37 2,6-Dinitrotoluene	165	13.725	13.725	(0.973)	594148	120.000	120
38 3-Nitroaniline	138	14.057	14.057	(0.997)	626386	120.000	110
39 Acenaphthene	153	14.177	14.177	(1.005)	2370111	120.000	120
40 2,4-Dinitrophenol	184	14.273	14.273	(1.012)	331569	120.000	120
41 4-Nitrophenol	109	14.432	14.432	(1.024)	307836	120.000	100
42 Dibenzofuran	168	14.543	14.543	(1.031)	3199913	120.000	110
43 2,4-Dinitrotoluene	165	14.562	14.562	(1.033)	707607	120.000	110
44 Diethylphthalate	149	15.115	15.115	(1.072)	2331795	120.000	110
45 4-Chlorophenyl-phenylether	204	15.302	15.302	(1.085)	1347235	120.000	110
46 Fluorene	166	15.274	15.274	(1.083)	2609003	120.000	110
47 4-Nitroaniline	138	15.355	15.355	(1.089)	524158	120.000	100
48 4,6-Dinitro-2-methylphenol	198	15.423	15.423	(0.894)	435469	120.000	130
49 N-Nitrosodiphenylamine (1)	169	15.562	15.562	(0.902)	1820594	120.000	130
50 4-Bromophenyl-phenylether	248	16.336	16.336	(0.947)	720244	120.000	120
51 Hexachlorobenzene	284	16.432	16.432	(0.953)	702424	120.000	120
53 Pentachlorophenol	266	16.851	16.851	(0.977)	441399	120.000	120
54 Phenanthrene	178	17.303	17.303	(1.003)	3300927	120.000	120
55 Anthracene	178	17.409	17.409	(1.009)	3201218	120.000	120
56 Carbazole	167	17.769	17.769	(1.030)	2457798	120.000	110
57 Di-n-Butylphthalate	149	18.601	18.601	(1.079)	3174688	120.000	110
58 Fluoranthene	202	19.823	19.823	(1.149)	2763290	120.000	110
59 Pyrene	202	20.299	20.299	(0.888)	2776442	120.000	100
60 Butylbenzylphthalate	149	21.780	21.780	(0.952)	1012983	120.000	110
61 3,3'-Dichlorobenzidine	252	22.838	22.838	(0.999)	770741	120.000	120
62 Benzo(a)Anthracene	228	22.852	22.852	(0.999)	2187974	120.000	120
63 Chrysene	228	22.929	22.929	(1.003)	2161564	120.000	120
64 bis(2-ethylhexyl)Phthalate	149	23.045	23.045	(1.008)	1455162	120.000	110
65 Di-n-octylphthalate	149	24.357	24.357	(0.949)	2335292	120.000	120
66 Benzo(b)fluoranthene	252	24.987	24.987	(0.974)	1973332	120.000	120
67 Benzo(k)fluoranthene	252	25.040	25.040	(0.976)	1946288	120.000	120
68 Benzo(a)pyrene	252	25.574	25.574	(0.996)	1691548	120.000	120
69 Indeno(1,2,3-cd)pyrene	276	27.724	27.724	(1.080)	1443626	120.000	120
70 Dibenz(a,h)anthracene	278	27.767	27.767	(1.082)	1421829	120.000	120
71 Benzo(g,h,i)perylene	276	28.310	28.310	(1.103)	1389021	120.000	120
$ 72 Nitrobenzene-d5	82	9.017	9.017	(0.864)	1812536	120.000	120
$ 73 2-Fluorobiphenyl	172	12.710	12.710	(0.901)	2838722	120.000	120
$ 74 Terphenyl-d14	244	20.688	20.688	(0.905)	1905704	120.000	110

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	7.286	7.286	(0.917)	2006380	120.000	120
$ 76 2-Fluorophenol	112	5.685	5.685	(0.716)	1478875	120.000	120
$ 77 2,4,6-Tribromophenol	330	15.778	15.778	(0.915)	337296	120.000	120
$ 78 2-Chlorophenol-d4	132	7.531	7.531	(0.948)	1317388	120.000	120
$ 79 1,2-Dichlorobenzene-d4	152	8.233	8.233	(1.036)	847987	120.000	110

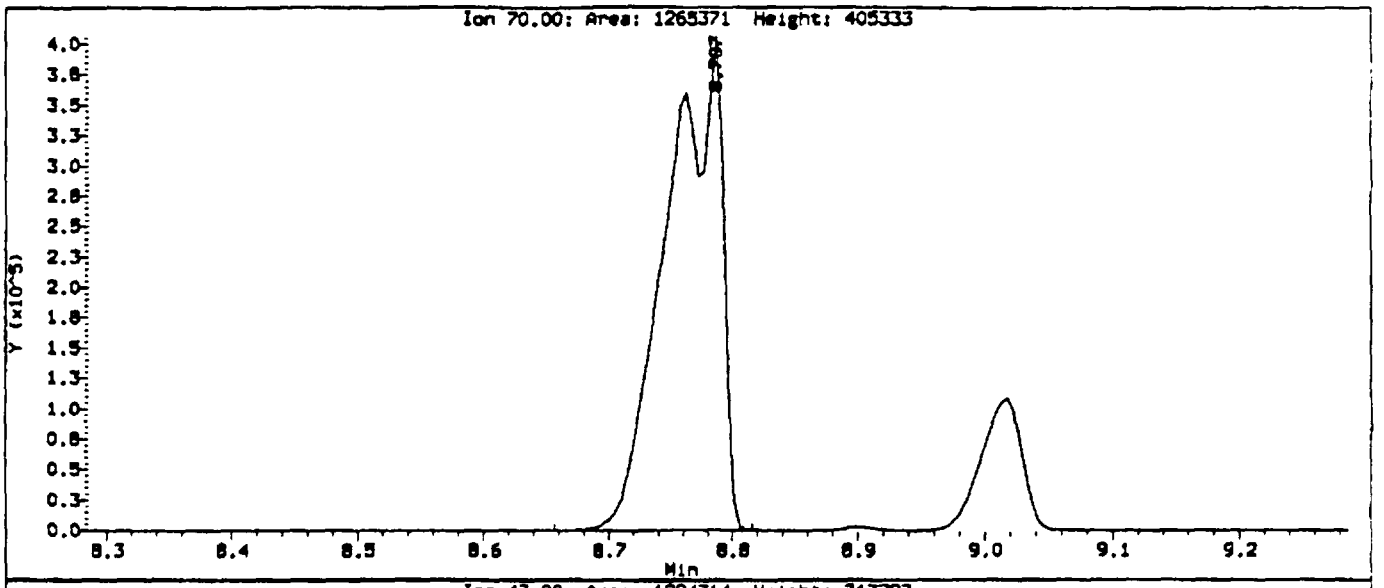
QC Flag Legend

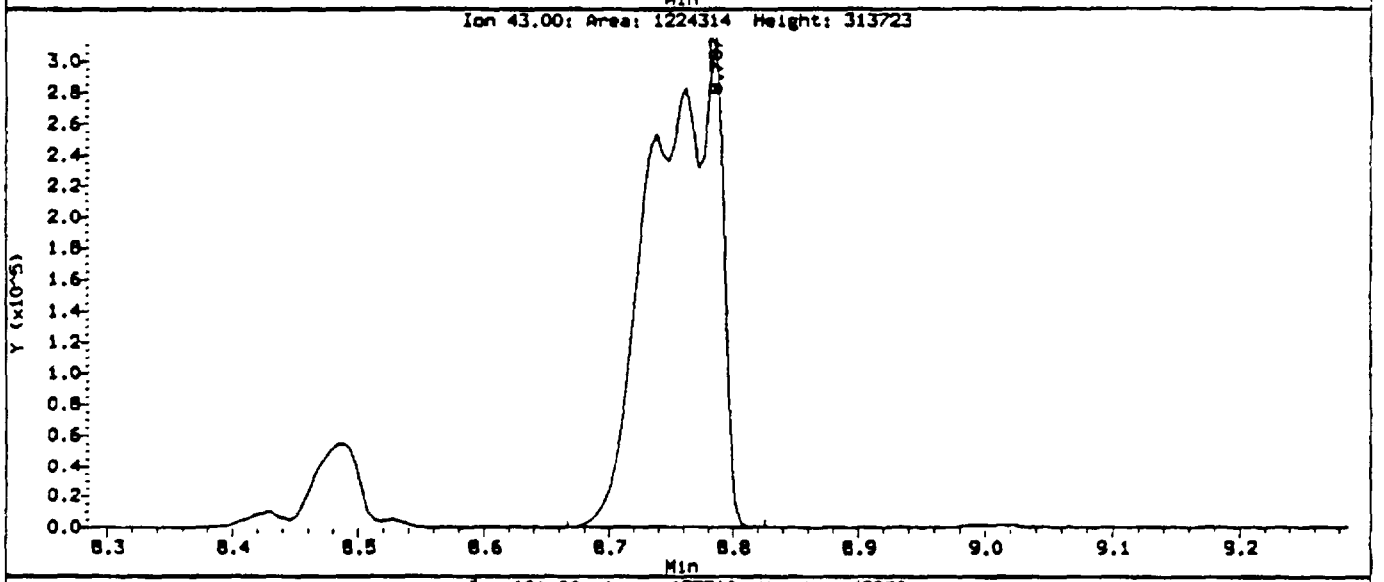
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

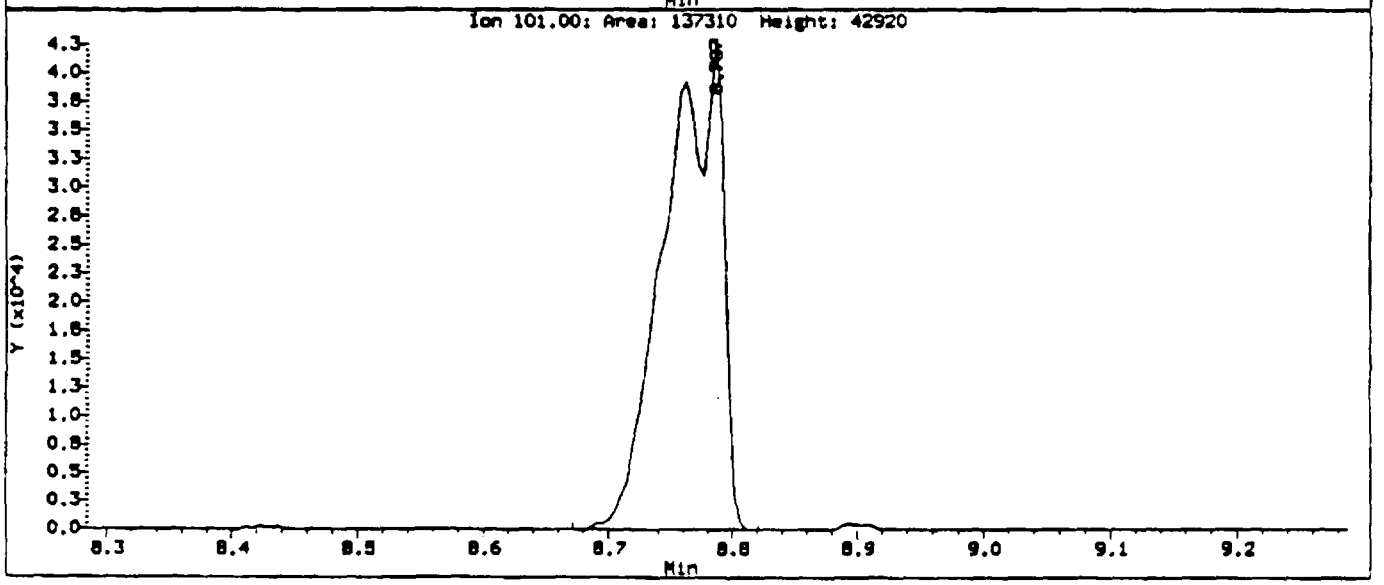
MANUAL EDIT CODES
1. PEAK NOT FOUND
2. POOR CHROMATOGRAPHY
3. WRONG ISOMER
4. LOWFIT
MANUALLY EDITED BY:
ANALYST: MU
DATE: 9-30-00

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\85M40929.D
Injection Date: 29-SEP-2000 19:37
Instrument: a4hp8.i
Client Sample ID:

Compound: N-Nitrosodinpropylamine
CAS Number: 621-64-7







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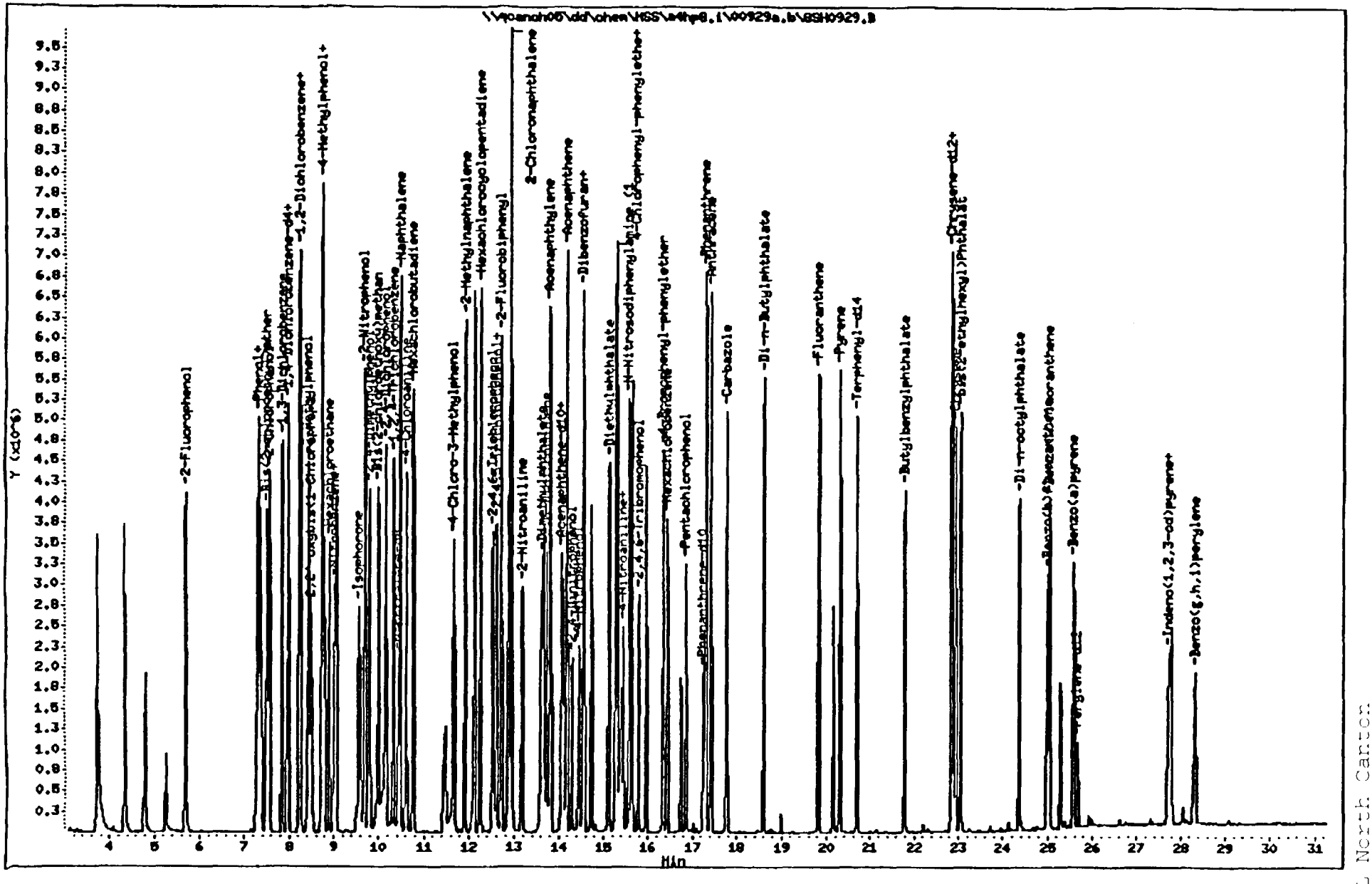
Date : 29-SEP-2000 18:56
Client ID:
Sample Info: sstd160,00929a,b,olp31,1-olp90,sub

Column phase:

Instrument: a4hp8.i

Operator: 001574
Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SH0929.D
Lab Smp Id: sstd160
Inj Date : 29-SEP-2000 18:56
Operator : 001574 Inst ID: a4hp8.i
Smp Info : sstd160,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 09:06 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 18:56 Cal File: 8SH0929.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.949	7.949	(1.000)	395563	40.0000	
* 2 Naphthalene-d8	136	10.440	10.440	(1.000)	1572994	40.0000	
* 3 Acenaphthene-d10	164	14.104	14.104	(1.000)	950567	40.0000	
* 4 Phenanthrene-d10	188	17.249	17.249	(1.000)	1478950	40.0000	
* 5 Chrysene-d12	240	22.885	22.885	(1.000)	834192	40.0000	
* 6 Perylene-d12	264	25.674	25.674	(1.000)	563717	40.0000	
7 Phenol	94	7.328	7.328	(0.922)	2976768	160.000	160
8 Bis(2-chloroethyl)ether	93	7.502	7.502	(0.944)	2156797	160.000	160
9 2-Chlorophenol	128	7.569	7.569	(0.952)	1945920	160.000	160
10 1,3-Dichlorobenzene	146	7.848	7.848	(0.987)	2018884	160.000	150
11 1,4-Dichlorobenzene	146	7.987	7.987	(1.005)	2029648	160.000	150
12 1,2-Dichlorobenzene	146	8.271	8.271	(1.041)	1849276	160.000	150
13 2-Methylphenol	108	8.434	8.434	(1.061)	2160770	160.000	160
14 2,2'-oxybis(1-Chloropropane)	45	8.492	8.492	(1.068)	2629414	160.000	160
15 4-Methylphenol	108	8.761	8.761	(1.102)	2071478	160.000	150
16 N-Nitrosodinpropylamine	70	8.805	8.805	(1.108)	1751767	160.000	160
17 Hexachloroethane	117	8.906	8.906	(1.120)	772749	160.000	150
18 Nitrobenzene	77	9.069	9.069	(0.869)	2611441	160.000	160
19 Isophorone	82	9.564	9.564	(0.916)	4355221	160.000	150(H)
20 2-Nitrophenol	139	9.694	9.694	(0.929)	1033120	160.000	160
21 2,4-Dimethylphenol	107	9.800	9.800	(0.939)	2216104	160.000	160
22 Bis(2-chloroethoxy)methane	93	10.002	10.002	(0.958)	2795738	160.000	160
23 2,4-Dichlorophenol	162	10.175	10.175	(0.975)	1591924	160.000	160
24 1,2,4-Trichlorobenzene	180	10.334	10.334	(0.990)	1640239	160.000	160
25 Naphthalene	128	10.493	10.493	(1.005)	5706235	160.000	150
26 4-Chloroaniline	127	10.622	10.622	(1.018)	2394918	160.000	160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.757	10.757	(1.030)	954980	160.000	150
28 4-Chloro-3-Methylphenol	107	11.676	11.676	(1.118)	1989637	160.000	160
29 2-Methylnaphthalene	142	11.926	11.926	(1.142)	3573556	160.000	150
30 Hexachlorocyclopentadiene	237	12.257	12.257	(0.869)	1217633	160.000	150
31 2,4,6-Trichlorophenol	196	12.532	12.532	(0.889)	1161809	160.000	160
32 2,4,5-Trichlorophenol	196	12.613	12.613	(0.894)	1191363	160.000	160(H)
33 2-Chloronaphthalene	162	12.950	12.950	(0.918)	3282192	160.000	150
34 2-Nitroaniline	65	13.186	13.186	(0.935)	1334218	160.000	170
35 Dimethylphthalate	163	13.618	13.618	(0.966)	3963700	160.000	160
36 Acenaphthylene	152	13.811	13.811	(0.979)	5497196	160.000	160
37 2,6-Dinitrotoluene	165	13.743	13.743	(0.974)	884889	160.000	170
38 3-Nitroaniline	138	14.080	14.080	(0.998)	994872	160.000	170
39 Acenaphthene	153	14.191	14.191	(1.006)	3361467	160.000	150
40 2,4-Dinitrophenol	184	14.292	14.292	(1.013)	576226	160.000	210(A)
41 4-Nitrophenol	109	14.460	14.460	(1.025)	542458	160.000	160
42 Dibenzofuran	168	14.556	14.556	(1.032)	4610174	160.000	150
43 2,4-Dinitrotoluene	165	14.585	14.585	(1.034)	1149894	160.000	160
44 Diethylphthalate	149	15.133	15.133	(1.073)	3514860	160.000	150
45 4-Chlorophenyl-phenylether	204	15.311	15.311	(1.086)	1921139	160.000	150
46 Fluorene	166	15.282	15.282	(1.084)	3789027	160.000	150
47 4-Nitroaniline	138	15.398	15.398	(1.092)	936780	160.000	170
48 4,6-Dinitro-2-methylphenol	198	15.450	15.450	(0.896)	777569	160.000	190
49 N-Nitrosodiphenylamine (1)	169	15.580	15.580	(0.903)	2798842	160.000	160
50 4-Bromophenyl-phenylether	248	16.350	16.350	(0.948)	1112024	160.000	160
51 Hexachlorobenzene	284	16.446	16.446	(0.953)	1102638	160.000	160
53 Pentachlorophenol	266	16.864	16.864	(0.978)	784437	160.000	170
54 Phenanthrene	178	17.316	17.316	(1.004)	5468859	160.000	160
55 Anthracene	178	17.427	17.427	(1.010)	5372744	160.000	160
56 Carbazole	167	17.783	17.783	(1.031)	4441259	160.000	160
57 Di-n-Butylphthalate	149	18.610	18.610	(1.079)	5510466	160.000	150
58 Fluoranthene	202	19.836	19.836	(1.150)	5033713	160.000	150
59 Pyrene	202	20.312	20.312	(0.888)	5043127	160.000	160
60 Butylbenzylphthalate	149	21.788	21.788	(0.952)	1687937	160.000	150
61 3,3'-Dichlorobenzidine	252	22.846	22.846	(0.998)	1133667	160.000	160
62 Benzo(a)Anthracene	228	22.861	22.861	(0.999)	3339739	160.000	150
63 Chrysene	228	22.947	22.947	(1.003)	3388032	160.000	160
64 bis(2-ethylhexyl)Phthalate	149	23.048	23.048	(1.007)	2373319	160.000	150
65 Di-n-octylphthalate	149	24.366	24.366	(0.949)	3305676	160.000	140
66 Benzo(b)fluoranthene	252	25.001	25.001	(0.974)	2999076	160.000	160
67 Benzo(k)fluoranthene	252	25.054	25.054	(0.976)	3005672	160.000	160
68 Benzo(a)pyrene	252	25.592	25.592	(0.997)	2690573	160.000	160
69 Indeno(1,2,3-cd)pyrene	276	27.742	27.742	(1.081)	2525524	160.000	170
70 Dibenz(a,h)anthracene	278	27.795	27.795	(1.083)	2450024	160.000	170
71 Benzo(g,h,i)perylene	276	28.338	28.338	(1.104)	2364054	160.000	160
$ 72 Nitrobenzene-d5	82	9.026	9.026	(0.865)	2477166	160.000	160
$ 73 2-Fluorobiphenyl	172	12.719	12.719	(0.902)	3924887	160.000	160
$ 74 Terphenyl-d14	244	20.697	20.697	(0.904)	3428897	160.000	160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	7.300	7.300	(0.918)	2722887	160.000	160
$ 76 2-Fluorophenol	112	5.689	5.689	(0.716)	1994717	160.000	160
$ 77 2,4,6-Tribromophenol	330	15.792	15.792	(0.916)	552893	160.000	170
$ 78 2-Chlorophenol-d4	132	7.540	7.540	(0.949)	1773189	160.000	160
$ 79 1,2-Dichlorobenzene-d4	152	8.237	8.237	(1.036)	1113936	160.000	150

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date: 09/29/00 Time: 2017

Lab File ID: 8SML0929 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.860	1.921	0.800	3.3	25.0
Bis(2-chloroethyl)ether	1.370	1.418	0.700	3.5	25.0
2-Chlorophenol	1.241	1.294	0.800	4.3	25.0
1,3-Dichlorobenzene	1.319	1.380	0.600	4.6	25.0
1,4-Dichlorobenzene	1.327	1.386	0.500	4.4	25.0
1,2-Dichlorobenzene	1.214	1.275	0.400	5.0	25.0
2-Methylphenol	1.353	1.403	0.700	3.7	25.0
2,2'-oxybis(1-Chloropropane)	1.648	1.699		3.1	
N-Nitrosodinpropylamine	1.112	1.160	0.500	4.3	25.0
4-Methylphenol	1.369	1.443	0.600	5.4	25.0
Hexachloroethane	0.505	0.525	0.300	4.0	25.0
Nitrobenzene	0.418	0.433	0.200	3.6	25.0
Isophorone	0.725	0.762	0.400	5.1	25.0
2-Nitrophenol	0.163	0.175	0.100	7.4	25.0
2,4-Dimethylphenol	0.357	0.369	0.200	3.4	25.0
Bis(2-chloroethoxy)methane	0.447	0.466	0.300	4.2	25.0
2,4-Dichlorophenol	0.257	0.269	0.200	4.7	25.0
1,2,4-Trichlorobenzene	0.268	0.278	0.200	3.7	25.0
Naphthalene	0.942	0.989	0.700	5.0	25.0
4-Chloroaniline	0.380	0.396		4.2	
Hexachlorobutadiene	0.163	0.171		4.9	
4-Chloro-3-Methylphenol	0.321	0.337	0.200	5.0	25.0
2-Methylnaphthalene	0.585	0.615	0.400	5.1	25.0
Hexachlorocyclopentadiene	0.331	0.336		1.5	
2,4,6-Trichlorophenol	0.299	0.309	0.200	3.3	25.0
2,4,5-Trichlorophenol	0.315	0.329	0.200	4.4	25.0
2-Chloronaphthalene	0.901	0.937	0.800	4.0	25.0
2-Nitroaniline	0.336	0.356		6.0	
Dimethylphthalate	1.059	1.107		4.5	
Acenaphthylene	1.476	1.536	0.900	4.1	25.0
2,6-Dinitrotoluene	0.227	0.246	0.200	8.4	25.0
3-Nitroaniline	0.246	0.269		9.3	
Acenaphthene	0.913	0.954	0.900	4.5	25.0
2,4-Dinitrophenol	0.119	0.132		10.9	
4-Nitrophenol	0.134	0.143		6.7	
Dibenzofuran	1.250	1.313	0.800	5.0	25.0
2,4-Dinitrotoluene	0.292	0.320	0.200	9.6	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.: I01248

Instrument ID: A4HP8 Calibration Date: 09/29/00 Time: 2017

Lab File ID: 8SML0929 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.964	1.022		6.0	
4-Chlorophenyl-phenylether	0.528	0.559	0.400	5.9	25.0
Fluorene	1.044	1.112	0.900	6.5	25.0
4-Nitroaniline	0.226	0.253		11.9	
4,6-Dinitro-2-methylphenol	0.113	0.122		8.0	
N-Nitrosodiphenylamine (1)	0.479	0.484		1.0	
4-Bromophenyl-phenylether	0.192	0.195	0.100	1.6	25.0
Hexachlorobenzene	0.191	0.195	0.100	2.1	25.0
Pentachlorophenol	0.124	0.126	0.050	1.6	25.0
Phenanthrene	0.952	0.997	0.700	4.7	25.0
Anthracene	0.924	0.964	0.700	4.3	25.0
Carbazole	0.743	0.788		6.0	
Di-n-Butylphthalate	0.985	1.056		7.2	
Fluoranthene	0.882	0.960	0.600	8.8	25.0
Pyrene	1.437	1.410	0.600	-1.9	25.0
Butylbenzylphthalate	0.520	0.532		2.3	
3,3'-Dichlorobenzidine	0.348	0.371		6.6	
Benzo(a)Anthracene	1.041	1.084	0.800	4.1	25.0
Chrysene	1.011	1.042	0.700	3.1	25.0
bis(2-ethylhexyl)Phthalate	0.737	0.762		3.4	
Di-n-octylphthalate	1.649	1.654		0.3	
Benzo(b)fluoranthene	1.362	1.410	0.700	3.5	25.0
Benzo(k)fluoranthene	1.370	1.405	0.700	2.6	25.0
Benzo(a)pyrene	1.198	1.247	0.700	4.1	25.0
Indeno(1,2,3-cd)pyrene	1.057	1.115	0.500	5.5	25.0
Dibenz(a,h)anthracene	1.042	1.092	0.400	4.8	25.0
Benzo(g,h,i)perylene	1.021	1.074	0.500	5.2	25.0
Nitrobenzene-d5	0.391	0.408	0.200	4.3	25.0
2-Fluorobiphenyl	1.055	1.085	0.700	2.8	25.0
Terphenyl-d14	0.981	0.971	0.500	-1.0	25.0
Phenol-d5	1.722	1.786	0.800	3.7	25.0
2-Fluorophenol	1.274	1.325	0.600	4.0	25.0
2,4,6-Tribromophenol	0.090	0.091		1.1	
2-Chlorophenol-d4	1.129	1.171	0.800	3.7	25.0
1,2-Dichlorobenzene-d4	0.755	0.797	0.400	5.6	25.0

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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date: 09/30/00 Time: 1239

Lab File ID: 8SML0930 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.860	1.907	0.800	2.5	25.0
Bis(2-chloroethyl)ether	1.370	1.398	0.700	2.0	25.0
2-Chlorophenol	1.241	1.274	0.800	2.6	25.0
1,3-Dichlorobenzene	1.319	1.370	0.600	3.9	25.0
1,4-Dichlorobenzene	1.327	1.387	0.500	4.5	25.0
1,2-Dichlorobenzene	1.214	1.272	0.400	4.8	25.0
2-Methylphenol	1.353	1.390	0.700	2.7	25.0
2,2'-oxybis(1-Chloropropane)	1.648	1.708		3.6	
N-Nitrosodinpropylamine	1.112	1.137	0.500	2.2	25.0
4-Methylphenol	1.369	1.441	0.600	5.2	25.0
Hexachloroethane	0.505	0.517	0.300	2.4	25.0
Nitrobenzene	0.418	0.428	0.200	2.4	25.0
Isophorone	0.725	0.737	0.400	1.6	25.0
2-Nitrophenol	0.163	0.175	0.100	7.4	25.0
2,4-Dimethylphenol	0.357	0.367	0.200	2.8	25.0
Bis(2-chloroethoxy)methane	0.447	0.464	0.300	3.8	25.0
2,4-Dichlorophenol	0.257	0.263	0.200	2.3	25.0
1,2,4-Trichlorobenzene	0.268	0.274	0.200	2.2	25.0
Naphthalene	0.942	0.986	0.700	4.7	25.0
4-Chloroaniline	0.380	0.394		3.7	
Hexachlorobutadiene	0.163	0.166		1.8	
4-Chloro-3-Methylphenol	0.321	0.323	0.200	0.6	25.0
2-Methylnaphthalene	0.585	0.605	0.400	3.4	25.0
Hexachlorocyclopentadiene	0.331	0.334		0.9	
2,4,6-Trichlorophenol	0.299	0.307	0.200	2.7	25.0
2,4,5-Trichlorophenol	0.315	0.324	0.200	2.8	25.0
2-Chloronaphthalene	0.901	0.950	0.800	5.4	25.0
2-Nitroaniline	0.336	0.349		3.9	
Dimethylphthalate	1.059	1.070		1.0	
Acenaphthylene	1.476	1.551	0.900	5.1	25.0
2,6-Dinitrotoluene	0.227	0.242	0.200	6.6	25.0
3-Nitroaniline	0.246	0.257		4.5	
Acenaphthene	0.913	0.956	0.900	4.7	25.0
2,4-Dinitrophenol	0.119	0.126		5.9	
4-Nitrophenol	0.134	0.126		-6.0	
Dibenzofuran	1.250	1.321	0.800	5.7	25.0
2,4-Dinitrotoluene	0.292	0.304	0.200	4.1	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1 OLM03.0

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date: 09/30/00 Time: 1239

Lab File ID: 8SML0930 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.964	0.970		0.6	
4-Chlorophenyl-phenylether	0.528	0.545	0.400	3.2	25.0
Fluorene	1.044	1.076	0.900	3.1	25.0
4-Nitroaniline	0.226	0.228		0.9	
4,6-Dinitro-2-methylphenol	0.113	0.126		11.5	
N-Nitrosodiphenylamine (1)	0.479	0.528		10.2	
4-Bromophenyl-phenylether	0.192	0.206	0.100	7.3	25.0
Hexachlorobenzene	0.191	0.202	0.100	5.8	25.0
Pentachlorophenol	0.124	0.124	0.050	0.0	25.0
Phenanthrene	0.952	0.996	0.700	4.6	25.0
Anthracene	0.924	0.966	0.700	4.5	25.0
Carbazole	0.743	0.758		2.0	
Di-n-Butylphthalate	0.985	1.004		1.9	
Fluoranthene	0.882	0.864	0.600	-2.0	25.0
Pyrene	1.437	1.358	0.600	-5.5	25.0
Butylbenzylphthalate	0.520	0.518		-0.4	
3,3'-Dichlorobenzidine	0.348	0.373		7.2	
Benzo(a)Anthracene	1.041	1.085	0.800	4.2	25.0
Chrysene	1.011	1.042	0.700	3.1	25.0
bis(2-ethylhexyl)Phthalate	0.737	0.749		1.6	
Di-n-octylphthalate	1.649	1.937		17.5	
Benzo(b)fluoranthene	1.362	1.451	0.700	6.5	25.0
Benzo(k)fluoranthene	1.370	1.504	0.700	9.8	25.0
Benzo(a)pyrene	1.198	1.249	0.700	4.2	25.0
Indeno(1,2,3-cd)pyrene	1.057	0.961	0.500	-9.1	25.0
Dibenz(a,h)anthracene	1.042	0.958	0.400	-8.1	25.0
Benzo(g,h,i)perylene	1.021	0.906	0.500	-11.3	25.0
Nitrobenzene-d5	0.391	0.403	0.200	3.1	25.0
2-Fluorobiphenyl	1.055	1.103	0.700	4.5	25.0
Terphenyl-d14	0.981	0.926	0.500	-5.6	25.0
Phenol-d5	1.722	1.753	0.800	1.8	25.0
2-Fluorophenol	1.274	1.281	0.600	0.5	25.0
2,4,6-Tribromophenol	0.090	0.095		5.6	
2-Chlorophenol-d4	1.129	1.152	0.800	2.0	25.0
1,2-Dichlorobenzene-d4	0.755	0.796	0.400	5.4	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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date: 10/16/00 Time: 1823

Lab File ID: 8SML1016 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol	1.860	1.792	0.800	-3.6	25.0
Bis(2-chloroethyl)ether	1.370	1.195	0.700	-12.8	25.0
2-Chlorophenol	1.241	1.100	0.800	-11.4	25.0
1,3-Dichlorobenzene	1.319	1.296	0.600	-1.7	25.0
1,4-Dichlorobenzene	1.327	1.313	0.500	-1.0	25.0
1,2-Dichlorobenzene	1.214	1.205	0.400	-0.7	25.0
2-Methylphenol	1.353	1.179	0.700	-12.9	25.0
2,2'-oxybis(1-Chloropropane)	1.648	1.040		-36.9	
N-Nitrosodinpropylamine	1.112	1.006	0.500	-9.5	25.0
4-Methylphenol	1.369	1.307	0.600	-4.5	25.0
Hexachloroethane	0.505	0.484	0.300	-4.2	25.0
Nitrobenzene	0.418	0.428	0.200	2.4	25.0
Isophorone	0.725	0.733	0.400	1.1	25.0
2-Nitrophenol	0.163	0.178	0.100	9.2	25.0
2,4-Dimethylphenol	0.357	0.385	0.200	7.8	25.0
Bis(2-chloroethoxy)methane	0.447	0.445	0.300	-0.4	25.0
2,4-Dichlorophenol	0.257	0.292	0.200	13.6	25.0
1,2,4-Trichlorobenzene	0.268	0.333	0.200	24.2	25.0
Naphthalene	0.942	0.969	0.700	2.9	25.0
4-Chloroaniline	0.380	0.375		-1.3	
Hexachlorobutadiene	0.163	0.252		54.6	
4-Chloro-3-Methylphenol	0.321	0.340	0.200	5.9	25.0
2-Methylnaphthalene	0.585	0.651	0.400	11.3	25.0
Hexachlorocyclopentadiene	0.331	0.448		35.3	
2,4,6-Trichlorophenol	0.299	0.372	0.200	24.4	25.0
2,4,5-Trichlorophenol	0.315	0.385	0.200	22.2	25.0
2-Chloronaphthalene	0.901	0.985	0.800	9.3	25.0
2-Nitroaniline	0.336	0.311		-7.4	
Dimethylphthalate	1.059	1.039		-1.9	
Acenaphthylene	1.476	1.564	0.900	6.0	25.0
2,6-Dinitrotoluene	0.227	0.237	0.200	4.4	25.0
3-Nitroaniline	0.246	0.208		-15.4	
Acenaphthene	0.913	0.970	0.900	6.2	25.0
2,4-Dinitrophenol	0.119	0.147		23.5	
4-Nitrophenol	0.134	0.132		-1.5	
Dibenzofuran	1.250	1.422	0.800	13.8	25.0
2,4-Dinitrotoluene	0.292	0.314	0.200	7.5	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1 OLM03.0

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A4HP8 Calibration Date: 10/16/00 Time: 1823

Lab File ID: 8SML1016 Init. Calib. Date(s): 09/29/00 09/29/00

Init. Calib. Times: 1735 2017

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	0.964	0.962		-0.2	
4-Chlorophenyl-phenylether	0.528	0.658	0.400	24.6	25.0
Fluorene	1.044	1.158	0.900	10.9	25.0
4-Nitroaniline	0.226	0.188		-16.8	
4,6-Dinitro-2-methylphenol	0.113	0.132		16.8	
N-Nitrosodiphenylamine (1)	0.479	0.485		1.2	
4-Bromophenyl-phenylether	0.192	0.209	0.100	8.8	25.0
Hexachlorobenzene	0.191	0.217	0.100	13.6	25.0
Pentachlorophenol	0.124	0.130	0.050	4.8	25.0
Phenanthrene	0.952	0.937	0.700	-1.6	25.0
Anthracene	0.924	0.900	0.700	-2.6	25.0
Carbazole	0.743	0.726		-2.3	
Di-n-Butylphthalate	0.985	0.956		-2.9	
Fluoranthene	0.882	1.055	0.600	19.6	25.0
Pyrene	1.437	1.114	0.600	-22.5	25.0
Butylbenzylphthalate	0.520	0.374		-28.1	
3,3'-Dichlorobenzidine	0.348	0.362		4.0	
Benzo(a)Anthracene	1.041	1.053	0.800	1.2	25.0
Chrysene	1.011	0.968	0.700	-4.2	25.0
bis(2-ethylhexyl)Phthalate	0.737	0.564		-23.5	
Di-n-octylphthalate	1.649	1.734		5.2	
Benzo(b)fluoranthene	1.362	1.559	0.700	14.5	25.0
Benzo(k)fluoranthene	1.370	1.585	0.700	15.7	25.0
Benzo(a)pyrene	1.198	1.273	0.700	6.3	25.0
Indeno(1,2,3-cd)pyrene	1.057	0.826	0.500	-21.8	25.0
Dibenz(a,h)anthracene	1.042	0.842	0.400	-19.2	25.0
Benzo(g,h,i)perylene	1.021	0.802	0.500	-21.4	25.0
Nitrobenzene-d5	0.391	0.412	0.200	5.4	25.0
2-Fluorobiphenyl	1.055	1.178	0.700	11.6	25.0
Terphenyl-d14	0.981	0.808	0.500	-17.6	25.0
Phenol-d5	1.722	1.406	0.800	-18.4	25.0
2-Fluorophenol	1.274	1.154	0.600	-9.4	25.0
2,4,6-Tribromophenol	0.090	0.088		-2.2	
2-Chlorophenol-d4	1.129	1.000	0.800	-11.4	25.0
1,2-Dichlorobenzene-d4	0.755	0.830	0.400	9.9	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: \\qpanoh05\dd\chem\HSS\a4hp8.i\00929a.b\8SHL0929.D

Date : 29-SEP-2000 20:17

Client ID:

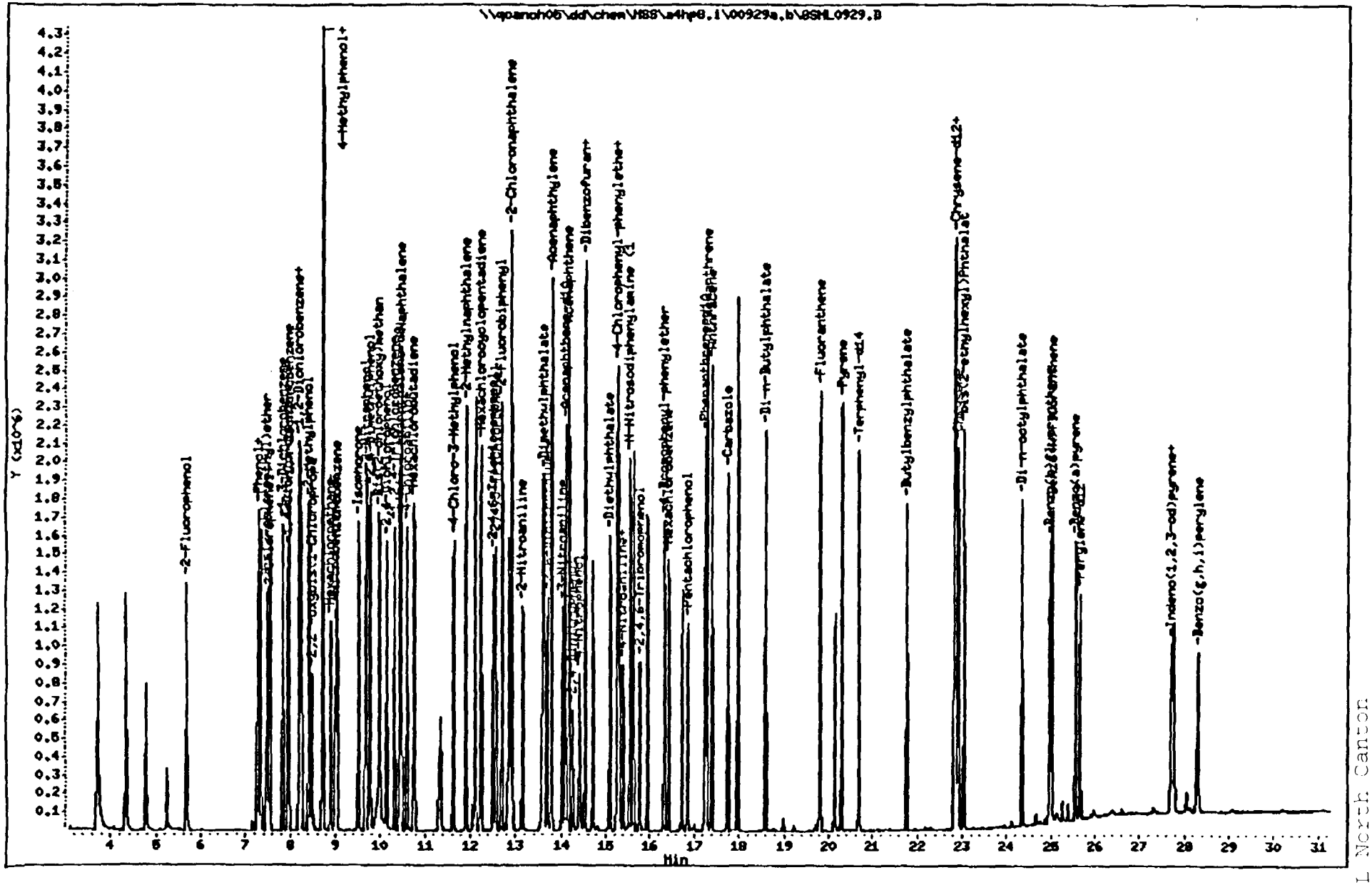
Sample Info: sstd060,00929a.b,olp31,i-olp90.sub

Column phase:

Instrument: a4hp8.i

Operator: 001574

Column diameter: 2.00



STL North Canton

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\8SML0929.D
Lab Smp Id: sstd050
Inj Date : 29-SEP-2000 20:17
Operator : 001574 Inst ID: a4hp8.i
Smp Info : sstd050,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 09:34 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	365340	40.0000	
* 2 Naphthalene-d8	136	10.426	10.426	(1.000)	1435708	40.0000	
* 3 Acenaphthene-d10	164	14.095	14.095	(1.000)	887853	40.0000	
* 4 Phenanthrene-d10	188	17.240	17.240	(1.000)	1438411	40.0000	
* 5 Chrysene-d12	240	22.866	22.866	(1.000)	985714	40.0000	
* 6 Perylene-d12	264	25.665	25.665	(1.000)	672762	40.0000	
7 Phenol	94	7.286	7.286	(0.918)	877181	50.0000	52
8 Bis(2-chloroethyl)ether	93	7.469	7.469	(0.941)	647425	50.0000	52
9 2-Chlorophenol	128	7.545	7.545	(0.950)	590817	50.0000	52
10 1,3-Dichlorobenzene	146	7.834	7.834	(0.987)	630098	50.0000	52
11 1,4-Dichlorobenzene	146	7.973	7.973	(1.004)	633020	50.0000	52
12 1,2-Dichlorobenzene	146	8.252	8.252	(1.039)	582081	50.0000	52
13 2-Methylphenol	108	8.406	8.406	(1.059)	640774	50.0000	52
14 2,2'-oxybis(1-Chloropropane)	45	8.474	8.474	(1.067)	775726	50.0000	52
15 4-Methylphenol	108	8.714	8.714	(1.098)	658885	50.0000	53
16 N-Nitrosodinpropylamine	70	8.733	8.733	(1.100)	529749	50.0000	52
17 Hexachloroethane	117	8.892	8.892	(1.120)	239730	50.0000	52
18 Nitrobenzene	77	9.036	9.036	(0.867)	777387	50.0000	52
19 Isophorone	82	9.522	9.522	(0.913)	1367878	50.0000	52
20 2-Nitrophenol	139	9.661	9.661	(0.927)	314592	50.0000	54
21 2,4-Dimethylphenol	107	9.767	9.767	(0.937)	662674	50.0000	52
22 Bis(2-chloroethoxy)methane	93	9.974	9.974	(0.957)	835422	50.0000	52
23 2,4-Dichlorophenol	162	10.142	10.142	(0.973)	482603	50.0000	52
24 1,2,4-Trichlorobenzene	180	10.315	10.315	(0.989)	499874	50.0000	52
25 Naphthalene	128	10.469	10.469	(1.004)	1774198	50.0000	52
26 4-Chloroaniline	127	10.589	10.589	(1.016)	711540	50.0000	52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.738	10.738	(1.030)	306540	50.0000	52
28 4-Chloro-3-Methylphenol	107	11.623	11.623	(1.115)	604824	50.0000	52
29 2-Methylnaphthalene	142	11.902	11.902	(1.142)	1104145	50.0000	52
30 Hexachlorocyclopentadiene	237	12.239	12.239	(0.868)	373402	50.0000	51
31 2,4,6-Trichlorophenol	196	12.503	12.503	(0.887)	342920	50.0000	52
32 2,4,5-Trichlorophenol	196	12.571	12.571	(0.892)	364984	50.0000	52
33 2-Chloronaphthalene	162	12.922	12.922	(0.917)	1039575	50.0000	52
34 2-Nitroaniline	65	13.148	13.148	(0.933)	394802	50.0000	53
35 Dimethylphthalate	163	13.595	13.595	(0.965)	1228261	50.0000	52
36 Acenaphthylene	152	13.787	13.787	(0.978)	1704934	50.0000	52
37 2,6-Dinitrotoluene	165	13.701	13.701	(0.972)	272930	50.0000	54
38 3-Nitroaniline	138	14.028	14.028	(0.995)	298405	50.0000	55
39 Acenaphthene	153	14.162	14.162	(1.005)	1059024	50.0000	52
40 2,4-Dinitrophenol	184	14.249	14.249	(1.011)	146606	50.0000	56
41 4-Nitrophenol	109	14.403	14.403	(1.022)	158799	50.0000	53
42 Dibenzofuran	168	14.533	14.533	(1.031)	1456897	50.0000	52
43 2,4-Dinitrotoluene	165	14.537	14.537	(1.031)	355326	50.0000	55
44 Diethylphthalate	149	15.095	15.095	(1.071)	1134587	50.0000	53
45 4-Chlorophenyl-phenylether	204	15.288	15.288	(1.085)	620858	50.0000	53
46 Fluorene	166	15.259	15.259	(1.083)	1234425	50.0000	53
47 4-Nitroaniline	138	15.326	15.326	(1.087)	280695	50.0000	56
48 4,6-Dinitro-2-methylphenol	198	15.393	15.393	(0.893)	219214	50.0000	54
49 N-Nitrosodiphenylamine (1)	169	15.547	15.547	(0.902)	870302	50.0000	50
50 4-Bromophenyl-phenylether	248	16.322	16.322	(0.947)	350903	50.0000	51
51 Hexachlorobenzene	284	16.418	16.418	(0.952)	350342	50.0000	51
53 Pentachlorophenol	266	16.841	16.841	(0.977)	226571	50.0000	51
54 Phenanthrene	178	17.293	17.293	(1.003)	1793340	50.0000	52
55 Anthracene	178	17.399	17.399	(1.009)	1733747	50.0000	52
56 Carbazole	167	17.759	17.759	(1.030)	1415978	50.0000	53
57 Di-n-Butylphthalate	149	18.596	18.596	(1.079)	1899765	50.0000	54
58 Fluoranthene	202	19.813	19.813	(1.149)	1726264	50.0000	54
59 Pyrene	202	20.289	20.289	(0.887)	1737019	50.0000	49
60 Butylbenzylphthalate	149	21.775	21.775	(0.952)	655369	50.0000	51
61 3,3'-Dichlorobenzidine	252	22.828	22.828	(0.998)	456664	50.0000	53
62 Benzo(a)Anthracene	228	22.842	22.842	(0.999)	1335173	50.0000	52
63 Chrysene	228	22.919	22.919	(1.002)	1284426	50.0000	52
64 bis(2-ethylhexyl)Phthalate	149	23.039	23.039	(1.008)	939070	50.0000	52
65 Di-n-octylphthalate	149	24.352	24.352	(0.949)	1390936	50.0000	50
66 Benzo(b)fluoranthene	252	24.977	24.977	(0.973)	1185795	50.0000	52
67 Benzo(k)fluoranthene	252	25.030	25.030	(0.975)	1181443	50.0000	51
68 Benzo(a)pyrene	252	25.564	25.564	(0.996)	1048747	50.0000	52
69 Indeno(1,2,3-cd)pyrene	276	27.704	27.704	(1.079)	938007	50.0000	53
70 Dibenz(a,h)anthracene	278	27.757	27.757	(1.082)	918100	50.0000	52
71 Benzo(g,h,i)perylene	276	28.295	28.295	(1.102)	903423	50.0000	53
$ 72 Nitrobenzene-d5	82	8.998	8.998	(0.863)	732325	50.0000	52
$ 73 2-Fluorobiphenyl	172	12.696	12.696	(0.901)	1204510	50.0000	51
$ 74 Terphenyl-d14	244	20.683	20.683	(0.905)	1196724	50.0000	49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	7.262	7.262	(0.915)	815885	50.0000	52
$ 76 2-Fluorophenol	112	5.670	5.670	(0.714)	605112	50.0000	52
$ 77 2,4,6-Tribromophenol	330	15.764	15.764	(0.914)	164034	50.0000	51
$ 78 2-Chlorophenol-d4	132	7.517	7.517	(0.947)	534705	50.0000	52
$ 79 1,2-Dichlorobenzene-d4	152	8.223	8.223	(1.036)	364033	50.0000	53

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Date : 30-SEP-2000 12:39

Client ID:

Sample Info: sstd060,00930a,b,olp31,1-olp90,sub

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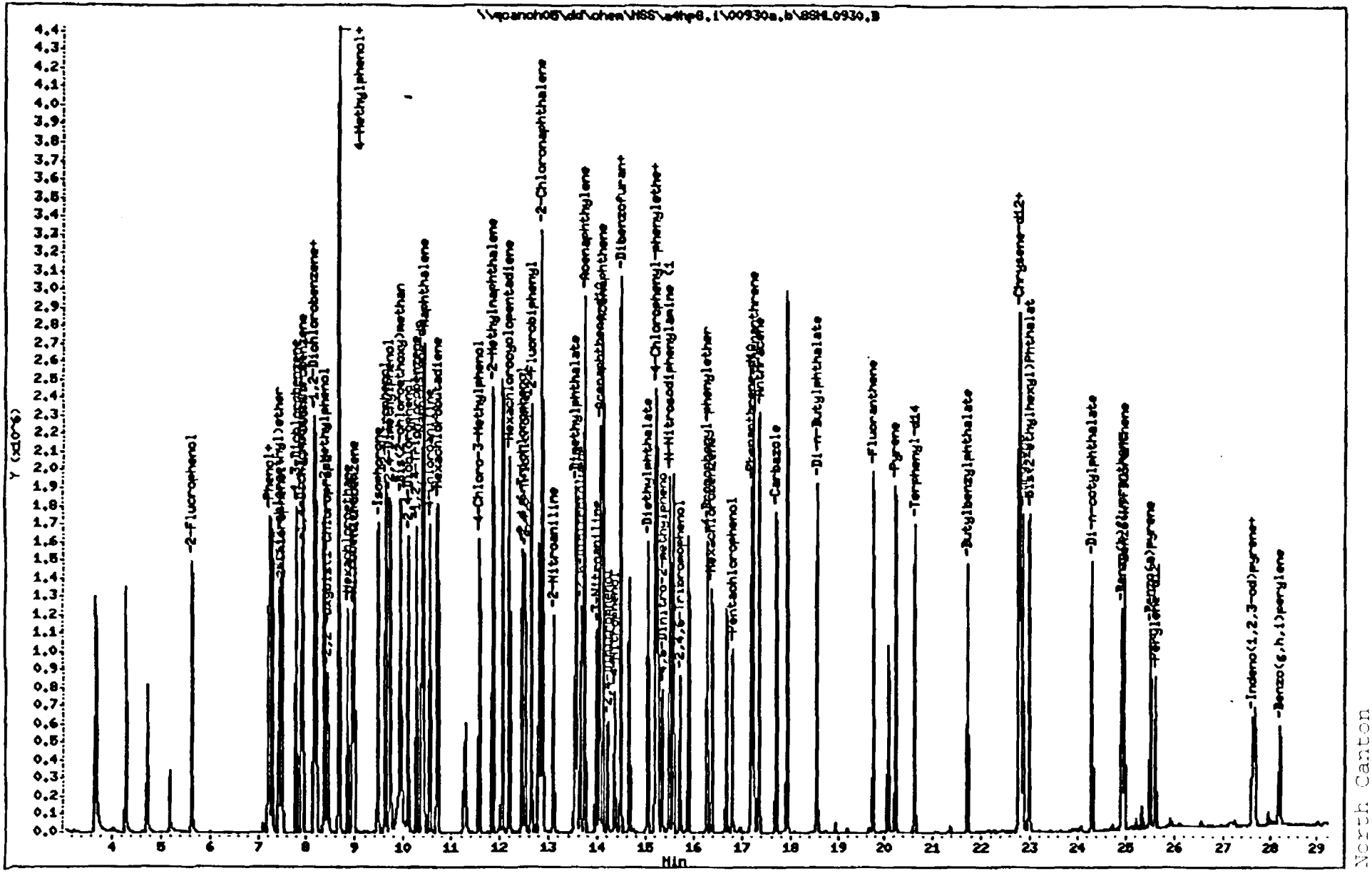
Instrument: a4hp8.i

Operator: 001574

Column diameter: 2.00



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Semivolatile REPORT CLP90

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Inj Date : 30-SEP-2000 12:39
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Misc Info :
Comment :
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Cal Date : 30-SEP-2000 12:39 Cal File: 8SML0930.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: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.900	7.900	(1.000)	380501	40.0000	
* 2 Naphthalene-d8	136	10.382	10.382	(1.000)	1509186	40.0000	
* 3 Acenaphthene-d10	164	14.046	14.046	(1.000)	901521	40.0000	
* 4 Phenanthrene-d10	188	17.191	17.191	(1.000)	1293243	40.0000	
* 5 Chrysene-d12	240	22.817	22.817	(1.000)	826437	40.0000	
* 6 Perylene-d12	264	25.616	25.616	(1.000)	484373	40.0000	
7 Phenol	94	7.251	7.251	(0.918)	906980	50.0000	51
8 Bis(2-chloroethyl)ether	93	7.429	7.429	(0.940)	665147	50.0000	51
9 2-Chlorophenol	128	7.506	7.506	(0.950)	606028	50.0000	51
10 1,3-Dichlorobenzene	146	7.790	7.790	(0.986)	651545	50.0000	52
11 1,4-Dichlorobenzene	146	7.929	7.929	(1.004)	659568	50.0000	52
12 1,2-Dichlorobenzene	146	8.208	8.208	(1.039)	605124	50.0000	52
13 2-Methylphenol	108	8.367	8.367	(1.059)	661135	50.0000	51
14 2,2'-oxybis(1-Chloropropane)	45	8.434	8.434	(1.068)	812593	50.0000	52
15 4-Methylphenol	108	8.675	8.675	(1.098)	685286	50.0000	53
16 N-Nitrosodinpropylamine	70	8.689	8.689	(1.100)	540643	50.0000	51
17 Hexachloroethane	117	8.853	8.853	(1.121)	245809	50.0000	51
18 Nitrobenzene	77	8.992	8.992	(0.866)	807686	50.0000	51
19 Isophorone	82	9.478	9.478	(0.913)	1389616	50.0000	51
20 2-Nitrophenol	139	9.617	9.617	(0.926)	330317	50.0000	54
21 2,4-Dimethylphenol	107	9.723	9.723	(0.937)	692140	50.0000	51
22 Bis(2-chloroethoxy)methane	93	9.935	9.935	(0.957)	874833	50.0000	52
23 2,4-Dichlorophenol	162	10.098	10.098	(0.973)	495910	50.0000	51
24 1,2,4-Trichlorobenzene	180	10.271	10.271	(0.989)	516474	50.0000	51
25 Naphthalene	128	10.425	10.425	(1.004)	1860549	50.0000	52
26 4-Chloroaniline	127	10.545	10.545	(1.016)	743804	50.0000	52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	10.694	10.694	(1.030)	313086	50.0000	51
28 4-Chloro-3-Methylphenol	107	11.579	11.579	(1.115)	608898	50.0000	50
29 2-Methylnaphthalene	142	11.858	11.858	(1.142)	1141223	50.0000	52
30 Hexachlorocyclopentadiene	237	12.195	12.195	(0.868)	375932	50.0000	50
31 2,4,6-Trichlorophenol	196	12.459	12.459	(0.887)	346162	50.0000	51
32 2,4,5-Trichlorophenol	196	12.526	12.526	(0.892)	365214	50.0000	51
33 2-Chloronaphthalene	162	12.878	12.878	(0.917)	1070796	50.0000	53
34 2-Nitroaniline	65	13.104	13.104	(0.933)	393016	50.0000	52
35 Dimethylphthalate	163	13.556	13.556	(0.965)	1206441	50.0000	50
36 Acenaphthylene	152	13.738	13.738	(0.978)	1747889	50.0000	52
37 2,6-Dinitrotoluene	165	13.657	13.657	(0.972)	272867	50.0000	53
38 3-Nitroaniline	138	13.984	13.984	(0.996)	289278	50.0000	52
39 Acenaphthene	153	14.118	14.118	(1.005)	1077586	50.0000	52
40 2,4-Dinitrophenol	184	14.205	14.205	(1.011)	142297	50.0000	53
41 4-Nitrophenol	109	14.359	14.359	(1.022)	141815	50.0000	47
42 Dibenzofuran	168	14.484	14.484	(1.031)	1488930	50.0000	53
43 2,4-Dinitrotoluene	165	14.493	14.493	(1.032)	343017	50.0000	52
44 Diethylphthalate	149	15.051	15.051	(1.072)	1092995	50.0000	50
45 4-Chlorophenyl-phenylether	204	15.243	15.243	(1.085)	614602	50.0000	52
46 Fluorene	166	15.210	15.210	(1.083)	1212515	50.0000	52
47 4-Nitroaniline	138	15.272	15.272	(1.087)	256415	50.0000	50
48 4,6-Dinitro-2-methylphenol	198	15.344	15.344	(0.893)	203209	50.0000	55
49 N-Nitrosodiphenylamine (1)	169	15.498	15.498	(0.902)	854107	50.0000	55
50 4-Bromophenyl-phenylether	248	16.277	16.277	(0.947)	332921	50.0000	54
51 Hexachlorobenzene	284	16.369	16.369	(0.952)	326484	50.0000	53
53 Pentachlorophenol	266	16.792	16.792	(0.977)	200030	50.0000	50
54 Phenanthrene	178	17.239	17.239	(1.003)	1610502	50.0000	52
55 Anthracene	178	17.350	17.350	(1.009)	1561159	50.0000	52
56 Carbazole	167	17.706	17.706	(1.030)	1225048	50.0000	51
57 Di-n-Butylphthalate	149	18.547	18.547	(1.079)	1623119	50.0000	51
58 Fluoranthene	202	19.764	19.764	(1.150)	1396122	50.0000	49
59 Pyrene	202	20.235	20.235	(0.887)	1402631	50.0000	47
60 Butylbenzylphthalate	149	21.731	21.731	(0.952)	535405	50.0000	50
61 3,3'-Dichlorobenzidine	252	22.779	22.779	(0.998)	385626	50.0000	54
62 Benzo(a)Anthracene	228	22.793	22.793	(0.999)	1120547	50.0000	52
63 Chrysene	228	22.870	22.870	(1.002)	1076620	50.0000	52
64 bis(2-ethylhexyl)Phthalate	149	22.995	22.995	(1.008)	774031	50.0000	51
65 Di-n-octylphthalate	149	24.308	24.308	(0.949)	1172776	50.0000	59
66 Benzo(b)fluoranthene	252	24.924	24.924	(0.973)	878333	50.0000	53
67 Benzo(k)fluoranthene	252	24.976	24.976	(0.975)	910407	50.0000	55
68 Benzo(a)pyrene	252	25.515	25.515	(0.996)	756504	50.0000	52
69 Indeno(1,2,3-cd)pyrene	276	27.631	27.631	(1.079)	581623	50.0000	45
70 Dibenz(a,h)anthracene	278	27.684	27.684	(1.081)	580071	50.0000	46
71 Benzo(g,h,i)perylene	276	28.213	28.213	(1.101)	548797	50.0000	44
$ 72 Nitrobenzene-d5	82	8.954	8.954	(0.862)	759590	50.0000	52
$ 73 2-Fluorobiphenyl	172	12.652	12.652	(0.901)	1243167	50.0000	52
$ 74 Terphenyl-d14	244	20.634	20.634	(0.904)	956180	50.0000	47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	7.222	7.222	(0.914)	833617	50.0000	51
$ 76 2-Fluorophenol	112	5.635	5.635	(0.713)	609387	50.0000	50
$ 77 2,4,6-Tribromophenol	330	15.715	15.715	(0.914)	154263	50.0000	53
$ 78 2-Chlorophenol-d4	132	7.472	7.472	(0.946)	847850	50.0000	51
$ 79 1,2-Dichlorobenzene-d4	152	8.179	8.179	(1.035)	378380	50.0000	53

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Page 1

Date : 16-OCT-2000 18:23

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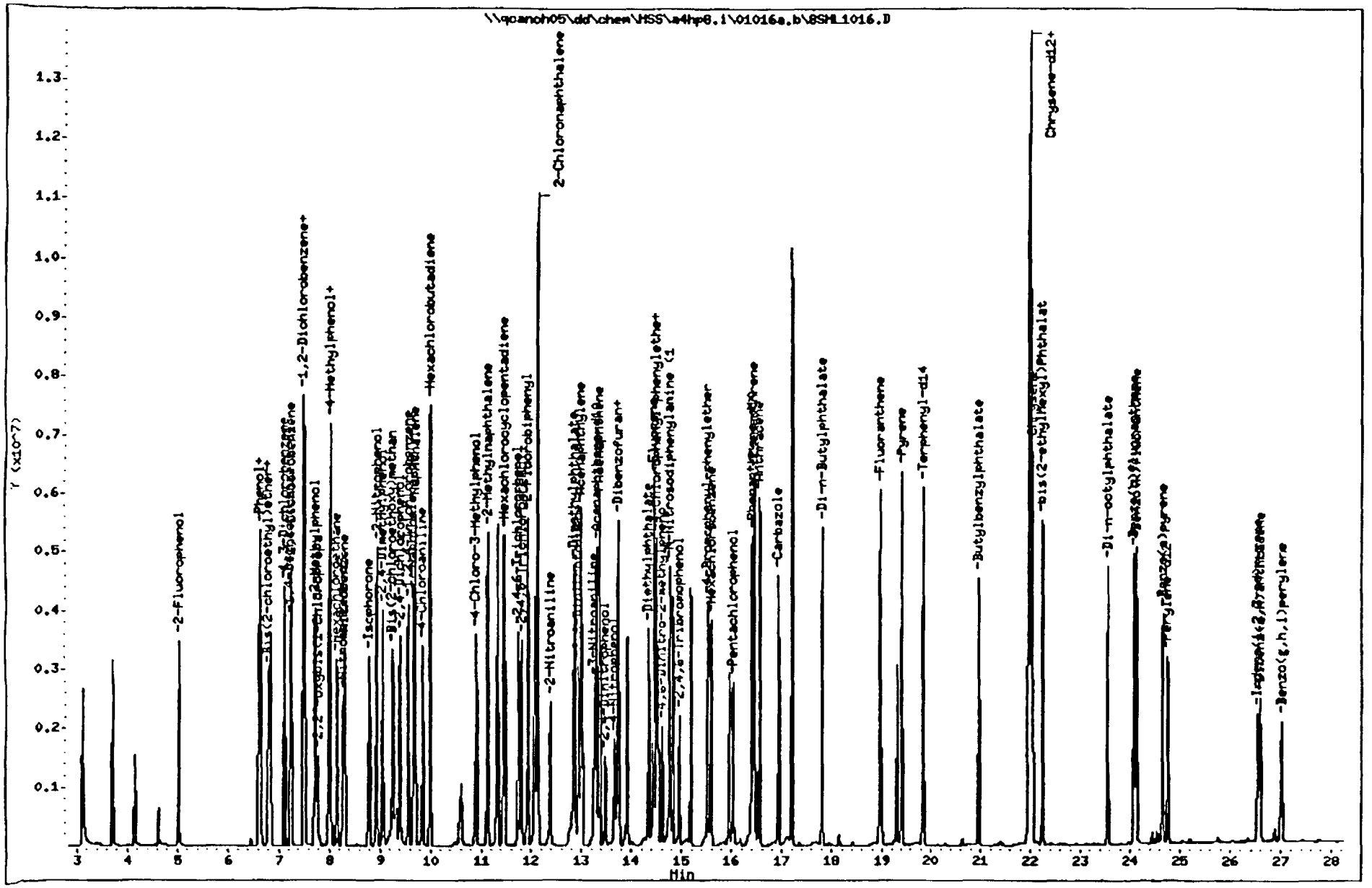
Instrument: a4hp8.i

Sample Info: sstd050,01016a.b,clp31,1-clp90.sub

Operator: 001574

Column phase:

Column diameter: 2.00



STL - North Canton

Semivolatile REPORT CLP90

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Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.227	7.227	(1.000)	912851	40.0000	
* 2 Naphthalene-d8	136	9.669	9.669	(1.000)	3208921	40.0000	
* 3 Acenaphthene-d10	164	13.299	13.299	(1.000)	2200851	40.0000	
* 4 Phenanthrene-d10	188	16.414	16.414	(1.000)	3707298	40.0000	
* 5 Chrysene-d12	240	21.996	21.996	(1.000)	3639876	40.0000	
* 6 Perylene-d12	264	24.766	24.766	(1.000)	1850918	40.0000	
7 Phenol	94	6.631	6.631	(0.918)	2044846	50.0000	48
8 Bis(2-chloroethyl)ether	93	6.789	6.789	(0.939)	1364113	50.0000	44
9 2-Chlorophenol	128	6.842	6.842	(0.947)	1255589	50.0000	44
10 1,3-Dichlorobenzene	146	7.116	7.116	(0.985)	1478410	50.0000	49
11 1,4-Dichlorobenzene	146	7.256	7.256	(1.004)	1498055	50.0000	49
12 1,2-Dichlorobenzene	146	7.525	7.525	(1.041)	1374876	50.0000	50
13 2-Methylphenol	108	7.727	7.727	(1.069)	1345397	50.0000	44
14 2,2'-oxybis(1-Chloropropane)	45	7.780	7.780	(1.076)	1186613	50.0000	32
15 4-Methylphenol	108	8.030	8.030	(1.111)	1491570	50.0000	48
16 N-Nitrosodinpropylamine	70	8.030	8.030	(1.111)	1147521	50.0000	45
17 Hexachloroethane	117	8.155	8.155	(1.128)	552168	50.0000	48
18 Nitrobenzene	77	8.309	8.309	(0.859)	1715652	50.0000	51
19 Isophorone	82	8.799	8.799	(0.910)	2941663	50.0000	50
20 2-Nitrophenol	139	8.929	8.929	(0.923)	713774	50.0000	54
21 2,4-Dimethylphenol	107	9.063	9.063	(0.937)	1543389	50.0000	54
22 Bis(2-chloroethoxy)methane	93	9.265	9.265	(0.958)	1784603	50.0000	50
23 2,4-Dichlorophenol	162	9.410	9.410	(0.973)	1169563	50.0000	57
24 1,2,4-Trichlorobenzene	180	9.568	9.568	(0.990)	1337288	50.0000	62
25 Naphthalene	128	9.713	9.713	(1.004)	3888566	50.0000	51
26 4-Chloroaniline	127	9.857	9.857	(1.019)	1502932	50.0000	49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
27 Hexachlorobutadiene	225	9.996	9.996	(1.034)	1012682	50.0000	77
28 4-Chloro-3-Methylphenol	107	10.910	10.910	(1.128)	1365488	50.0000	53
29 2-Methylnaphthalene	142	11.140	11.140	(1.152)	2612572	50.0000	56
30 Hexachlorocyclopentadiene	237	11.477	11.477	(0.863)	1232226	50.0000	68
31 2,4,6-Trichlorophenol	196	11.751	11.751	(0.884)	1025004	50.0000	62
32 2,4,5-Trichlorophenol	196	11.818	11.818	(0.889)	1060510	50.0000	61(H)
33 2-Chloronaphthalene	162	12.140	12.140	(0.913)	2709150	50.0000	55
34 2-Nitroaniline	65	12.386	12.386	(0.931)	855707	50.0000	46
35 Dimethylphthalate	163	12.857	12.857	(0.967)	2858809	50.0000	49
36 Acenaphthylene	152	12.996	12.996	(0.977)	4303284	50.0000	53
37 2,6-Dinitrotoluene	165	12.943	12.943	(0.973)	653313	50.0000	52
38 3-Nitroaniline	138	13.261	13.261	(0.997)	573033	50.0000	42
39 Acenaphthene	153	13.366	13.366	(1.005)	2669948	50.0000	53
40 2,4-Dinitrophenol	184	13.487	13.487	(1.014)	403946	50.0000	62
41 4-Nitrophenol	109	13.669	13.669	(1.028)	364564	50.0000	49
42 Dibenzofuran	168	13.737	13.737	(1.033)	3912677	50.0000	57
43 2,4-Dinitrotoluene	165	13.770	13.770	(1.035)	865072	50.0000	54
44 Diethylphthalate	149	14.347	14.347	(1.079)	2645722	50.0000	50
45 4-Chlorophenyl-phenylether	204	14.506	14.506	(1.091)	1809412	50.0000	62
46 Fluorene	166	14.453	14.453	(1.087)	3185143	50.0000	55
47 4-Nitroaniline	138	14.539	14.539	(1.093)	517883	50.0000	42
48 4,6-Dinitro-2-methylphenol	198	14.616	14.616	(0.890)	609872	50.0000	58
49 N-Nitrosodiphenylamine (1)	169	14.765	14.765	(0.900)	2249736	50.0000	51
50 4-Bromophenyl-phenylether	248	15.530	15.530	(0.946)	969559	50.0000	54
51 Hexachlorobenzene	284	15.602	15.602	(0.951)	1005609	50.0000	57
53 Pentachlorophenol	266	16.035	16.035	(0.977)	601332	50.0000	52
54 Phenanthrene	178	16.463	16.463	(1.003)	4341956	50.0000	49(H)
55 Anthracene	178	16.568	16.568	(1.009)	4172284	50.0000	49
56 Carbazole	167	16.943	16.943	(1.032)	3366784	50.0000	49
57 Di-n-Butylphthalate	149	17.823	17.823	(1.086)	4429622	50.0000	48
58 Fluoranthene	202	18.963	18.963	(1.155)	4890864	50.0000	60
59 Pyrene	202	19.424	19.424	(0.883)	5070521	50.0000	39
60 Butylbenzylphthalate	149	20.972	20.972	(0.953)	1704095	50.0000	36
61 3,3'-Dichlorobenzidine	252	21.987	21.987	(1.000)	1648208	50.0000	52
62 Benzo(a)Anthracene	228	21.977	21.977	(0.999)	4790200	50.0000	50(H)
63 Chrysene	228	22.049	22.049	(1.002)	4405039	50.0000	48
64 bis(2-ethylhexyl)Phthalate	149	22.251	22.251	(1.012)	2568787	50.0000	38
65 Di-n-octylphthalate	149	23.564	23.564	(0.951)	4011744	50.0000	52
66 Benzo(b)fluoranthene	252	24.088	24.088	(0.973)	3606200	50.0000	57
67 Benzo(k)fluoranthene	252	24.141	24.141	(0.975)	3667946	50.0000	58
68 Benzo(a)pyrene	252	24.665	24.665	(0.996)	2944768	50.0000	53
69 Indeno(1,2,3-cd)pyrene	276	26.549	26.549	(1.072)	1911319	50.0000	39
70 Dibenz(a,h)anthracene	278	26.602	26.602	(1.074)	1949173	50.0000	40
71 Benzo(g,h,i)perylene	276	27.020	27.020	(1.091)	1854971	50.0000	39
$ 72 Nitrobenzene-d5	82	8.270	8.270	(0.855)	1653219	50.0000	53
$ 73 2-Fluorobiphenyl	172	11.938	11.938	(0.898)	3240703	50.0000	56
$ 74 Terphenyl-d14	244	19.857	19.857	(0.903)	3678344	50.0000	41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
$ 75 Phenol-d5	99	6.602	6.602	(0.914)	1604686	50.0000	41
$ 76 2-Fluorophenol	112	5.025	5.025	(0.695)	1317323	50.0000	45
$ 77 2,4,6-Tribromophenol	330	14.958	14.958	(0.911)	408221	50.0000	49
$ 78 2-Chlorophenol-d4	132	6.813	6.813	(0.943)	1141595	50.0000	44
$ 79 1,2-Dichlorobenzene-d4	152	7.501	7.501	(1.038)	946740	50.0000	55

QC Flag Legend

H - Operator selected an alternate compound hit.

Committed To *Your* Success

RAW QC DATA

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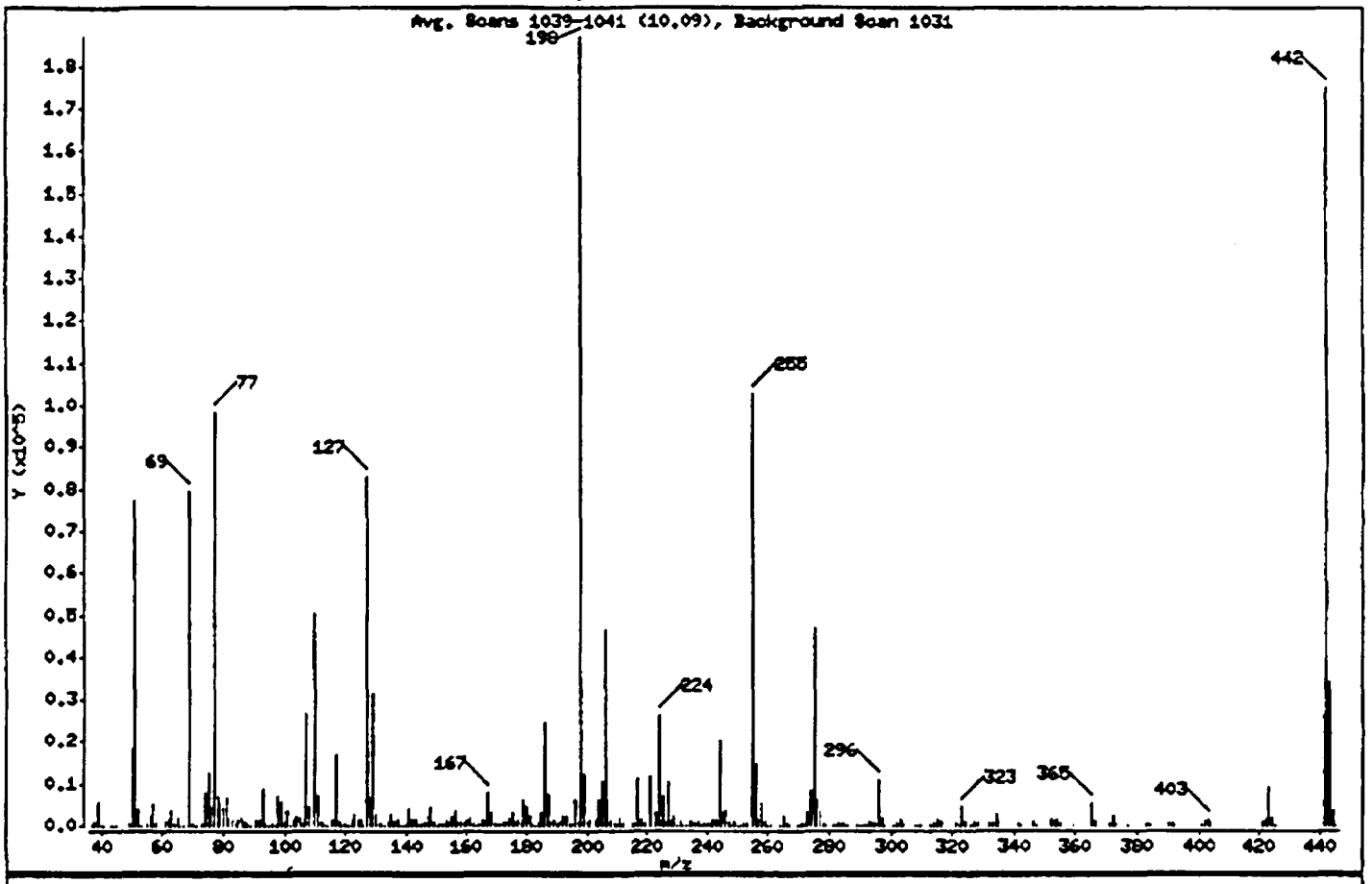
Operator:

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	41.37
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.50
70	Less than 2.00% of mass 69	0.23 (0.53)
127	25.00 - 75.00% of mass 198	44.36
197	Less than 1.00% of mass 198	0.38
199	5.00 - 9.00% of mass 198	6.41
275	10.00 - 30.00% of mass 198	25.06
365	Greater than 0.75% of mass 198	2.69
441	Present, but less than mass 443	14.11
442	40.00 - 110.00% of mass 198	93.45
443	15.00 - 24.00% of mass 442	18.07 (19.33)

Data File: \\QCANCH05\dd\chem\MSS\a4hp8.i\00929a.b\8DF0929.D

Date : 29-SEP-2000 17:11

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF0929.D
Spectrum: Avg. Scans 1039-1041 (10.09), Background Scan 1031
Location of Maximum: 198.00
Number of points: 293

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	310	123.00	2384	197.00	701	282.00	121
38.00	909	124.00	1114	198.00	186782	283.00	454
39.00	5665	125.00	1076	199.00	11972	284.00	257
40.00	203	126.00	103	200.00	926	285.00	608
41.00	97	127.00	82840	201.00	1074	286.00	57
43.00	172	128.00	6341	203.00	1225	289.00	135
44.00	107	129.00	31408	204.00	6212	290.00	58
45.00	106	130.00	2394	205.00	10336	291.00	52
49.00	588	131.00	443	206.00	46448	292.00	208
50.00	18600	132.00	386	207.00	5867	293.00	804
51.00	77256	133.00	117	208.00	1381	294.00	252
52.00	3916	134.00	774	209.00	428	295.00	262
53.00	203	135.00	2509	210.00	220	296.00	10849
55.00	334	136.00	1002	211.00	1862	297.00	1659
56.00	2220	137.00	1460	212.00	283	298.00	64
57.00	5317	138.00	133	215.00	510	301.00	136
58.00	297	139.00	143	216.00	608	302.00	231
61.00	996	140.00	389	217.00	11080	303.00	1382
62.00	1158	141.00	3899	218.00	1404	304.00	439
63.00	3357	142.00	1267	219.00	267	308.00	128
64.00	458	143.00	1086	221.00	11749	309.00	107
65.00	1550	144.00	269	223.00	2800	310.00	80
66.00	57	145.00	274	224.00	26104	313.00	121
67.00	120	146.00	668	225.00	6799	314.00	640
69.00	79360	147.00	2149	226.00	763	315.00	1139
70.00	424	148.00	4110	227.00	10123	316.00	787
71.00	67	149.00	855	228.00	1425	321.00	360
73.00	552	150.00	200	229.00	2186	322.00	54
74.00	7893	151.00	551	230.00	194	323.00	4423
75.00	12446	152.00	264	231.00	925	324.00	685
76.00	4324	153.00	1115	232.00	67	326.00	110
77.00	98504	154.00	941	233.00	178	327.00	675
78.00	6677	155.00	2272	234.00	668	328.00	429
79.00	5739	156.00	3520	235.00	805	332.00	296
80.00	4205	157.00	766	236.00	553	333.00	484

Data File: \\QCANCHO5\dd\chem\MSS\a4hp8.i\00929a.b\8DF0929.D

Page 4

Date : 29-SEP-2000 17:11

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF0929.D
Spectrum: Avg. Scans 1039-1041 (10.09), Background Scan 1031
Location of Maximum: 198.00
Number of points: 293

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	6438	158.00	823	237.00	782	334.00	2392
82.00	1818	159.00	627	238.00	115	335.00	717
83.00	1464	160.00	1300	239.00	432	341.00	438
84.00	235	161.00	1894	240.00	298	342.00	127
85.00	1171	162.00	601	241.00	506	346.00	900
86.00	1605	163.00	192	242.00	1335	347.00	173
87.00	919	164.00	257	243.00	1483	352.00	1173
88.00	255	165.00	1434	244.00	20296	353.00	870
89.00	139	166.00	1204	245.00	2887	354.00	1402
91.00	1434	167.00	7963	246.00	3462	355.00	291
92.00	1418	168.00	3204	247.00	688	359.00	81
93.00	8693	169.00	640	248.00	152	365.00	5016
94.00	891	170.00	273	249.00	850	366.00	707
95.00	155	171.00	395	250.00	71	371.00	331
96.00	572	172.00	755	251.00	172	372.00	2325
97.00	154	173.00	868	252.00	284	373.00	419
98.00	6673	174.00	1622	253.00	613	377.00	56
99.00	5395	175.00	3010	255.00	102424	383.00	506
100.00	839	176.00	939	256.00	14544	384.00	158
101.00	3590	177.00	1390	257.00	1164	390.00	328
102.00	206	178.00	568	258.00	5125	391.00	218
103.00	1302	179.00	6045	259.00	804	392.00	64
104.00	2204	180.00	4446	260.00	193	401.00	55
105.00	1790	181.00	2093	261.00	211	402.00	907
106.00	418	182.00	281	264.00	187	403.00	1295
107.00	26536	183.00	208	265.00	2097	404.00	551
108.00	4344	184.00	647	266.00	327	421.00	1045
110.00	50376	185.00	3096	267.00	50	422.00	1183
111.00	6955	186.00	24296	270.00	124	423.00	8981
112.00	812	187.00	7154	271.00	231	424.00	1845
113.00	295	188.00	710	272.00	408	425.00	159
114.00	73	189.00	1390	273.00	3154	441.00	26352
116.00	1349	190.00	236	274.00	8017	442.00	174528
117.00	16616	191.00	647	275.00	46800	443.00	33736
118.00	1050	192.00	1948	276.00	6212	444.00	3424

Data File: \\QCANCHO5\dd\chem\MSS\a4hp8.i\00929a.b\8DF0929.D

Date : 29-SEP-2000 17:11

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF0929.D
Spectrum: Avg. Scans 1039-1041 (10.09), Background Scan 1031
Location of Maximum: 198.00
Number of points: 293

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	148	193.00	2117	277.00	3536	445.00	69
120.00	284	194.00	869	278.00	854		
121.00	122	195.00	439	279.00	165		
122.00	1446	196.00	6034	281.00	87		

Data File: \\QCANOH05\dd\chem\HSS\a4hp8.i\00929a.b\8DF0929.D

Page 1

Date : 29-SEP-2000 17:11

Client ID:

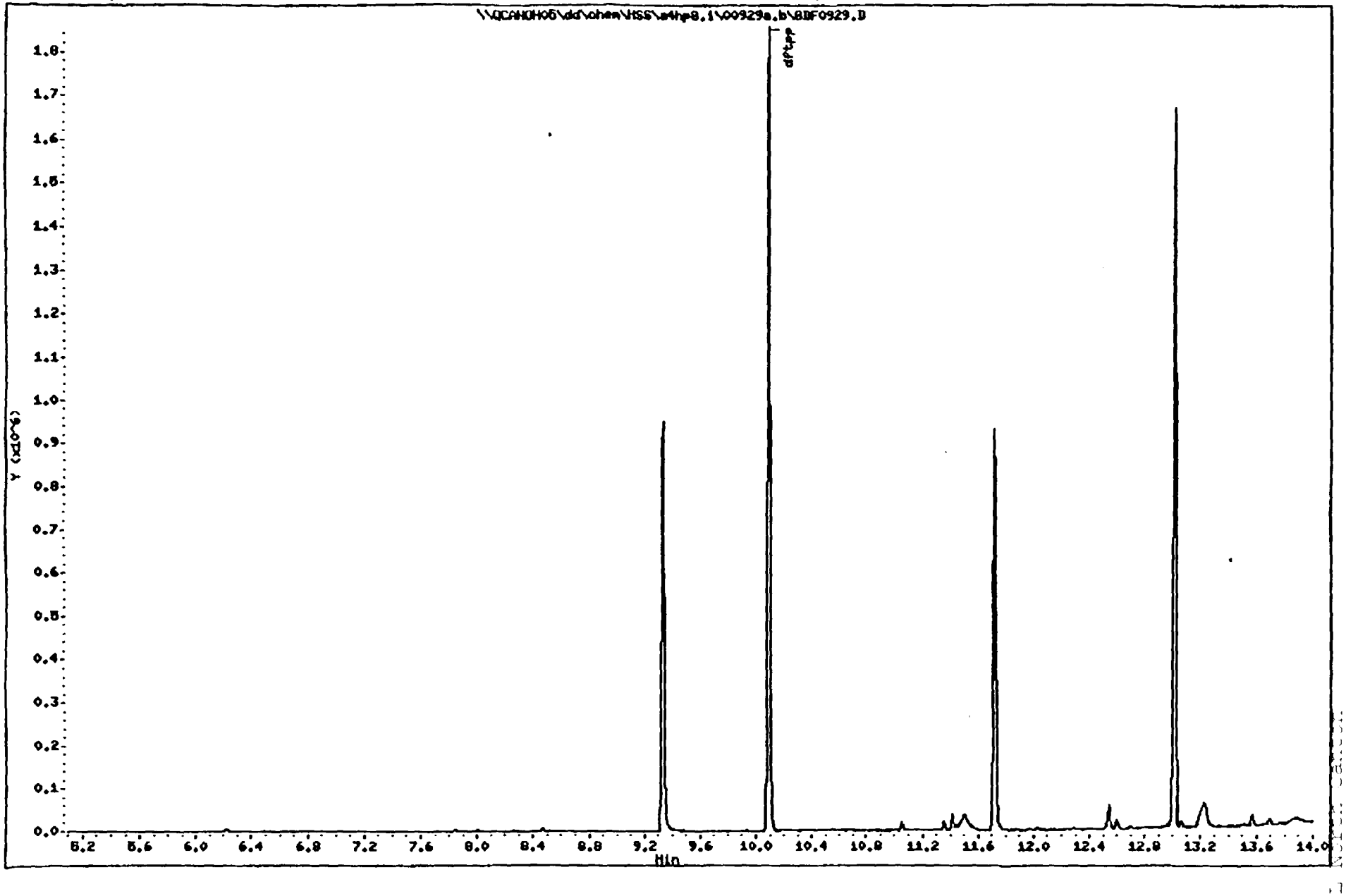
Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00



Data File: \\qoanoh06\dd\chem\HSS\a4hp8.i\00929b.b\8DF0929D.D

Date : 29-SEP-2000 20:17

Client ID:

Instrument: a4hp8.i

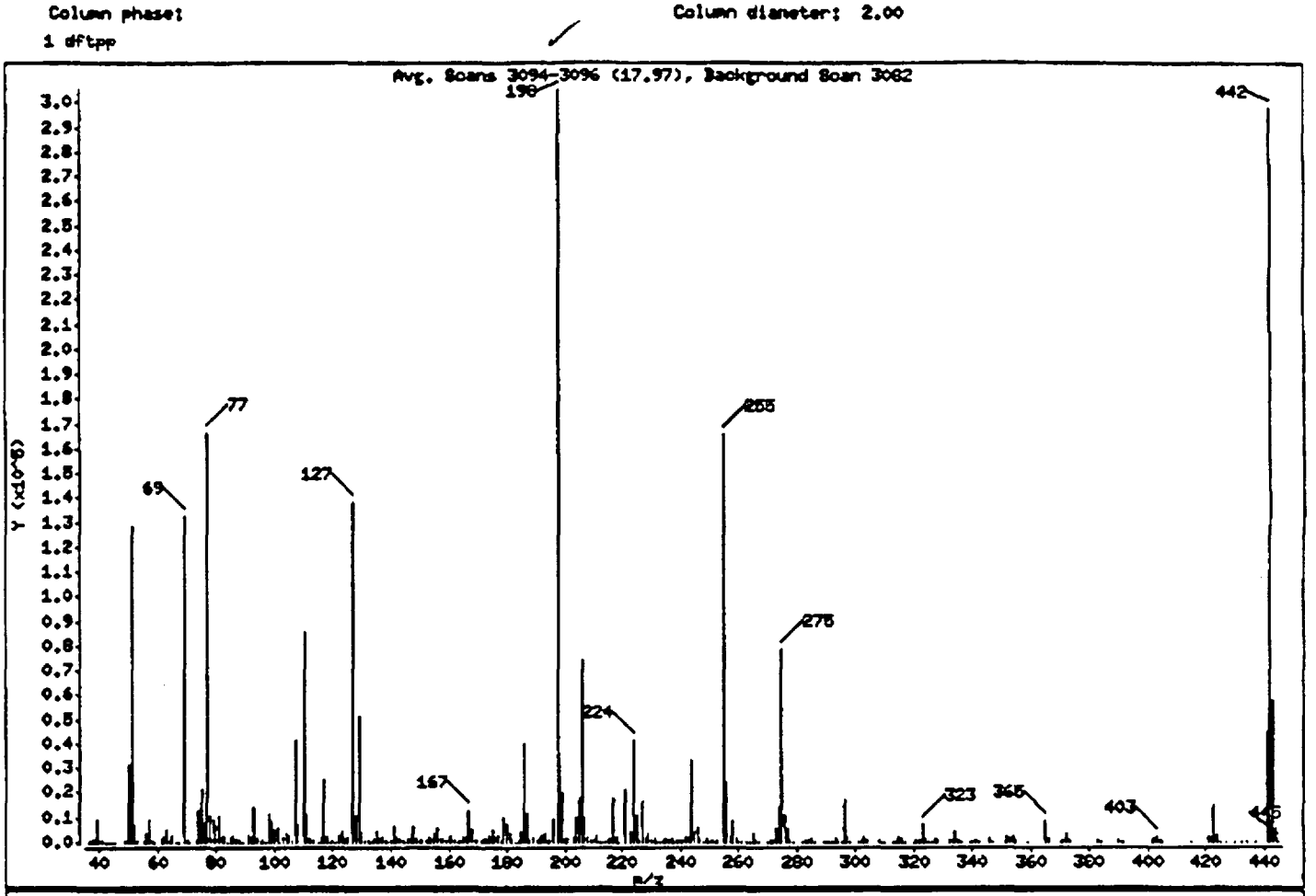
Sample Info: dftpp,00929a.b,dftpp390

Operator: 001874

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	42.03
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.45
70	Less than 2.00% of mass 69	0.27 (0.62)
127	25.00 - 75.00% of mass 198	45.30
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.47
275	10.00 - 30.00% of mass 198	25.82
365	Greater than 0.75% of mass 198	2.72
441	Present, but less than mass 443	14.63
442	40.00 - 110.00% of mass 198	97.73
443	15.00 - 24.00% of mass 442	18.74 (19.18)

Data File: \\wcanoh05\dd\ohem\MSS\a4hp8.i\00929b.b\8DF0929D.D

Page 3

Date : 29-SEP-2000 20:17

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator: 001874

Column phase:

Column diameter: 2.00

Data File: 8DF0929D.D

Spectrum: Avg. Scans 3094-3096 (17.97), Background Scan 3082

Location of Maximum: 198.00

Number of points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	205	124.00	1515	205.00	17408	293.00	1389
37.00	498	125.00	1754	206.00	74448	294.00	276
38.00	1592	127.00	138240	207.00	9592	295.00	201
39.00	9273	128.00	10613	208.00	2432	296.00	16872
40.00	441	129.00	81152	209.00	761	297.00	2241
41.00	497	130.00	4203	210.00	481	298.00	149
42.00	146	131.00	781	211.00	3053	301.00	280
43.00	144	132.00	813	212.00	243	302.00	437
44.00	145	133.00	333	213.00	215	303.00	2136
45.00	265	134.00	1473	214.00	63	304.00	673
49.00	663	135.00	4037	215.00	732	308.00	369
50.00	31800	136.00	1442	216.00	1511	309.00	126
51.00	128272	137.00	1813	217.00	17472	310.00	245
52.00	6767	138.00	408	218.00	2154	313.00	68
53.00	360	139.00	291	219.00	265	314.00	884
55.00	624	140.00	691	221.00	21192	315.00	2060
56.00	3805	141.00	5982	223.00	4469	316.00	1372
57.00	9204	142.00	2166	224.00	41520	317.00	224
58.00	354	143.00	1467	225.00	10487	320.00	104
59.00	85	144.00	456	226.00	886	321.00	735
61.00	1365	145.00	321	227.00	15945	322.00	375
62.00	1762	146.00	1111	228.00	2098	323.00	7083
63.00	5217	147.00	3279	229.00	3525	324.00	1140
64.00	731	148.00	6442	230.00	652	325.00	172
65.00	2905	149.00	1213	231.00	1639	326.00	55
66.00	217	150.00	424	232.00	256	327.00	1213
67.00	119	151.00	876	233.00	297	328.00	615
69.00	132544	152.00	665	234.00	969	332.00	465
70.00	821	153.00	1855	235.00	1250	333.00	590
71.00	135	154.00	1694	236.00	768	334.00	4147
73.00	898	155.00	3642	237.00	1259	335.00	988
74.00	12791	156.00	5876	238.00	181	336.00	65
75.00	20792	157.00	1284	239.00	537	339.00	64
76.00	7689	158.00	1225	240.00	847	340.00	51
77.00	166336	159.00	1006	241.00	910	341.00	768

Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929b.b\8DF0929D.D

Date : 29-SEP-2000 20:17

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator: 001574

Column phase:

Column diameter: 2.00

Data File: 8DF0929D.D

Spectrum: Avg. Scans 3094-3096 (17.97), Background Scan 3082

Location of Maximum: 198.00

Number of points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	10713	160.00	2087	242.00	2111	342.00	200
79.00	9419	161.00	2797	243.00	2236	346.00	1219
80.00	6945	162.00	844	244.00	33160	347.00	273
81.00	10292	163.00	288	245.00	4432	351.00	126
82.00	2546	164.00	351	246.00	5748	352.00	1803
83.00	2761	165.00	2223	247.00	1077	353.00	1577
84.00	332	166.00	2107	248.00	314	354.00	2209
85.00	1767	167.00	12969	249.00	1236	355.00	408
86.00	2991	168.00	5131	250.00	245	359.00	182
87.00	1400	169.00	925	251.00	412	365.00	8316
88.00	548	170.00	481	252.00	224	366.00	1217
89.00	195	171.00	615	253.00	842	370.00	160
91.00	2488	172.00	1177	255.00	165632	371.00	567
92.00	2352	173.00	1453	256.00	23872	372.00	3665
93.00	14217	174.00	2570	257.00	1883	373.00	844
94.00	1093	175.00	4921	258.00	8093	383.00	969
95.00	287	176.00	1782	259.00	1232	384.00	251
96.00	778	177.00	2512	260.00	288	390.00	452
97.00	136	178.00	825	261.00	263	391.00	350
98.00	11042	179.00	10019	263.00	129	392.00	294
99.00	8701	180.00	6773	264.00	235	401.00	261
100.00	5113	181.00	3258	265.00	3188	402.00	1400
101.00	5558	182.00	549	266.00	516	403.00	2190
102.00	335	183.00	285	267.00	90	404.00	751
103.00	2042	184.00	899	270.00	281	405.00	114
104.00	3368	185.00	4430	271.00	374	415.00	118
105.00	3148	186.00	39696	272.00	519	421.00	2083
106.00	820	187.00	10925	273.00	5271	422.00	1971
107.00	41528	188.00	992	274.00	14316	423.00	14969
108.00	6940	189.00	2366	275.00	78784	424.00	3043
110.00	85912	190.00	383	276.00	10360	425.00	279
111.00	11479	191.00	1103	277.00	5676	427.00	56
112.00	1271	192.00	2914	278.00	925	430.00	69
113.00	461	193.00	3393	279.00	189	432.00	50
115.00	80	194.00	724	282.00	111	434.00	116

Data File: \\wcanch05\dd\chem\MSS\a4hp8.i\00929b.b\8DF0929D.D

Date : 29-SEP-2000 20:17

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00929a.b,dftpp390

Operator: 001574

Column phase:

Column diameter: 2.00

Data File: 8DF0929D.D
Spectrum: Avg. Scans 3094-3096 (17.97), Background Scan 3082
Location of Maximum: 198.00
Number of points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2117	195.00	392	283.00	642	437.00	50
117.00	24984	196.00	9398	284.00	510	441.00	44656
118.00	1781	198.00	305152	285.00	1104	442.00	298240
119.00	251	199.00	19744	286.00	259	443.00	57192
120.00	553	200.00	1488	289.00	312	444.00	5763
121.00	204	201.00	1740	290.00	138	445.00	284
122.00	2525	203.00	2025	291.00	69		
123.00	4073	204.00	10080	292.00	288		

Data File: \\qoanoh05\dd\chem\HSS\a4hp8.i\00929b.b\8DF0929D.D

Page 1

Date : 29-SEP-2000 20:17

Client ID:

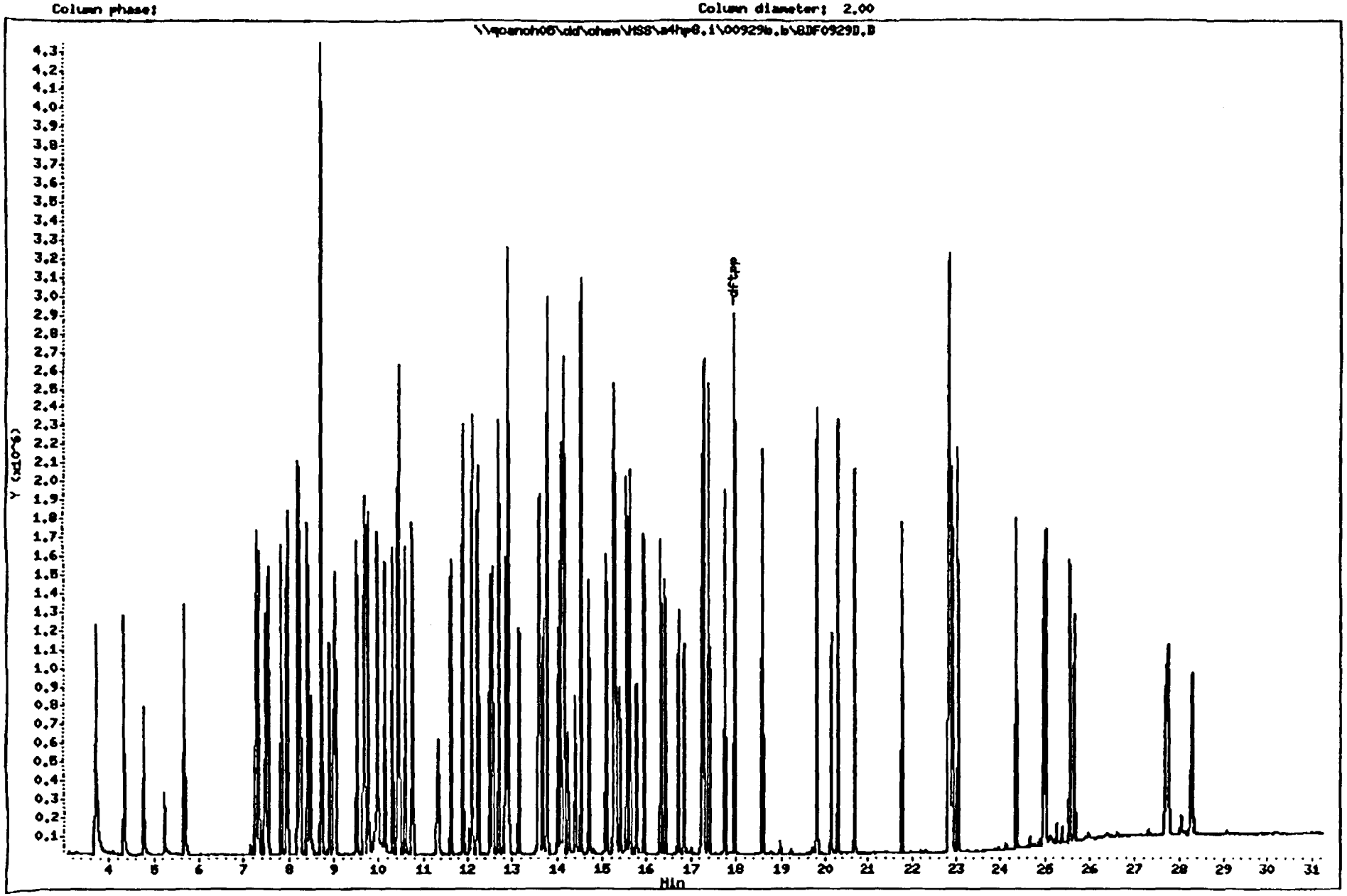
Instrument: a4hp8.i

Sample Info: dftpp,00929a,b,dftpp390

Operator: 001574

Column phase:

Column diameter: 2.00



STL North Canton

Data File: \\QCANCHO5\dd\chem\MSS\a4hp8.i\00930a.b\8DF0930B.D

Date : 30-SEP-2000 12:15

Client ID:

Instrument: a4hp8.i

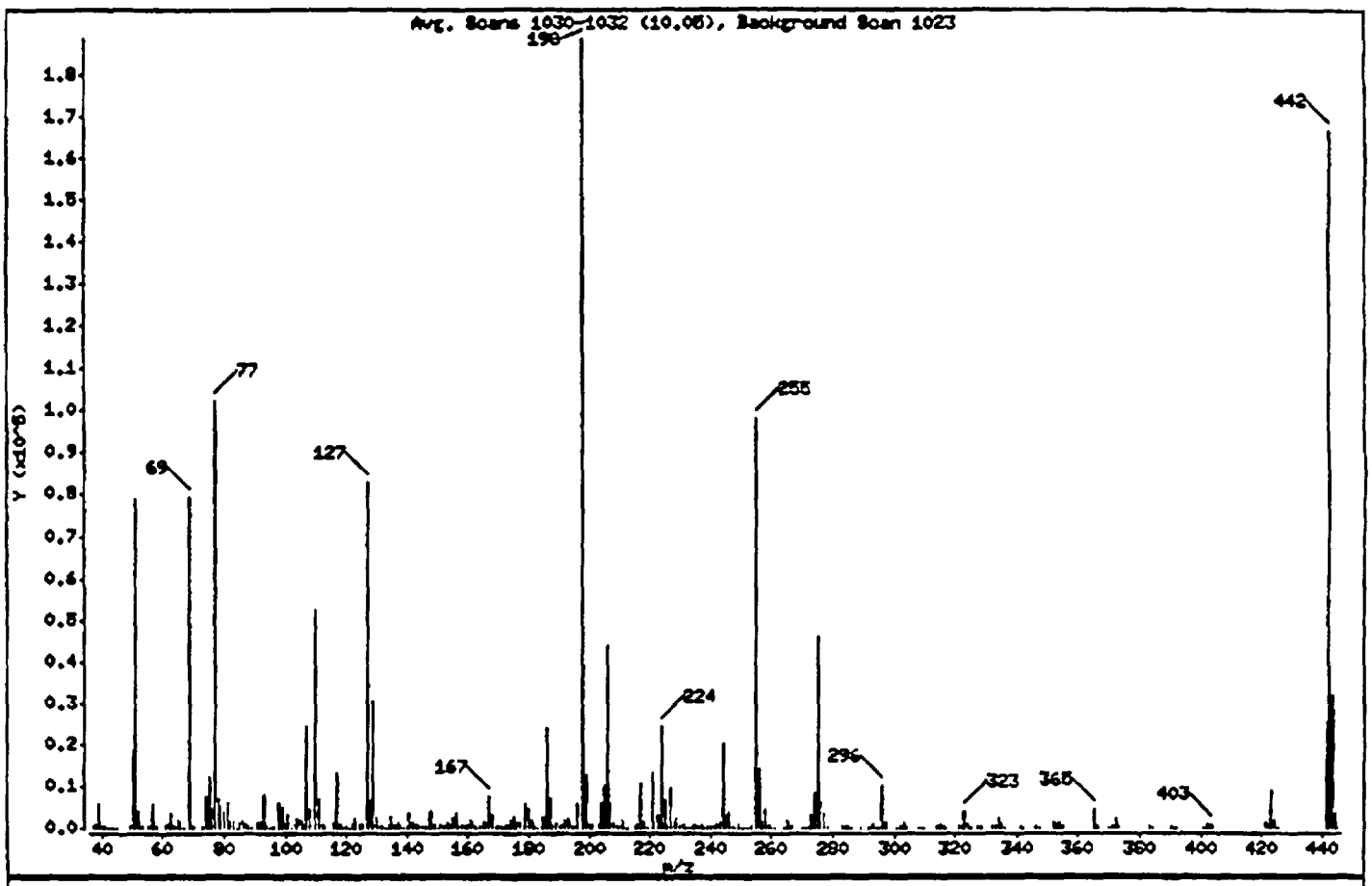
Sample Info: dftpp,00930a.b,dftpp390

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	41.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.06
70	Less than 2.00% of mass 69	0.22 (0.52)
127	25.00 - 75.00% of mass 198	43.85
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	24.28
365	Greater than 0.75% of mass 198	2.35
441	Present, but less than mass 443	13.43
442	40.00 - 110.00% of mass 198	88.21
443	15.00 - 24.00% of mass 442	16.83 (19.08)

Data File: \\QCANCH05\dd\chem\MSS\a4hp8.i\00930a.b\8DF0930B.D

Page 3

Date : 30-SEP-2000 12:15

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00930a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF0930B.D

Spectrum: Avg. Scans 1030-1032 (10.05), Background Scan 1023

Location of Maximum: 198.00

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	246	123.00	2143	196.00	5535	283.00	382
38.00	875	124.00	940	198.00	188608	284.00	324
39.00	5699	125.00	1078	199.00	12611	285.00	595
40.00	277	127.00	82712	200.00	958	286.00	167
41.00	258	128.00	6311	201.00	1050	289.00	114
42.00	64	129.00	30144	203.00	1013	291.00	50
43.00	113	130.00	2481	204.00	5818	292.00	194
44.00	77	131.00	543	205.00	10026	293.00	744
45.00	209	132.00	294	206.00	43800	294.00	201
49.00	382	133.00	170	207.00	5769	295.00	78
50.00	18632	134.00	887	208.00	1319	296.00	10035
51.00	70952	135.00	2541	209.00	474	297.00	1387
52.00	4072	136.00	1021	210.00	263	301.00	103
53.00	220	137.00	1212	211.00	1948	302.00	243
55.00	374	138.00	304	212.00	139	303.00	1335
56.00	2114	139.00	169	213.00	62	304.00	377
57.00	5474	140.00	338	215.00	418	308.00	119
58.00	280	141.00	3601	216.00	881	309.00	129
61.00	920	142.00	1283	217.00	10497	310.00	194
62.00	1133	143.00	872	218.00	1384	314.00	883
63.00	3381	144.00	301	219.00	167	315.00	1070
64.00	458	145.00	274	221.00	13158	316.00	649
65.00	1761	146.00	599	223.00	2839	317.00	122
66.00	104	147.00	2028	224.00	24320	321.00	386
67.00	62	148.00	3805	225.00	6539	322.00	264
69.00	79312	149.00	765	226.00	386	323.00	3931
70.00	416	150.00	206	227.00	9391	324.00	744
73.00	533	151.00	729	228.00	1355	325.00	89
74.00	7514	152.00	283	229.00	2127	327.00	629
75.00	12089	153.00	1084	230.00	277	328.00	322
76.00	4413	154.00	1060	231.00	919	332.00	262
77.00	102232	155.00	2108	232.00	157	333.00	348
78.00	6735	156.00	3408	233.00	120	334.00	2248
79.00	5356	157.00	638	234.00	622	335.00	677
80.00	4005	158.00	825	235.00	793	336.00	53

Data File: \\QCANDH05\dd\chem\MSS\a4hp8.i\00930a.b\8DF0930B.D

Page 4

Date : 30-SEP-2000 12:15

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,00930a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF0930B.D

Spectrum: Avg. Scans 1030-1032 (10.05), Background Scan 1023

Location of Maximum: 198.00

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	8857	159.00	885	236.00	462	341.00	880
82.00	1560	160.00	1043	237.00	799	342.00	122
83.00	1844	161.00	1891	238.00	73	346.00	642
84.00	167	162.00	827	239.00	324	347.00	100
85.00	1202	163.00	139	240.00	250	352.00	1180
86.00	1519	164.00	306	241.00	872	353.00	861
87.00	830	165.00	1417	242.00	1083	354.00	1339
88.00	385	166.00	1179	243.00	1309	355.00	220
89.00	205	167.00	7357	244.00	19920	365.00	4441
91.00	1403	168.00	3099	245.00	2808	366.00	606
92.00	1330	169.00	582	246.00	3459	370.00	83
93.00	7816	170.00	244	247.00	630	371.00	290
94.00	602	171.00	392	248.00	209	372.00	1958
95.00	155	172.00	546	249.00	808	373.00	556
96.00	505	173.00	801	250.00	188	383.00	502
98.00	6011	174.00	1674	251.00	144	384.00	142
99.00	4932	175.00	2708	252.00	171	390.00	289
100.00	803	176.00	1215	253.00	482	391.00	189
101.00	3097	177.00	1401	255.00	98192	392.00	115
102.00	189	178.00	558	256.00	13967	401.00	84
103.00	1063	179.00	5599	257.00	1135	402.00	827
104.00	1966	180.00	4152	258.00	4471	403.00	1053
105.00	1704	181.00	1701	259.00	840	404.00	505
106.00	728	182.00	312	260.00	90	421.00	1251
107.00	24352	183.00	131	261.00	138	422.00	975
108.00	4280	184.00	819	264.00	150	423.00	9460
110.00	52416	185.00	2703	265.00	1857	424.00	1739
111.00	6976	186.00	23992	266.00	301	425.00	111
112.00	803	187.00	6909	270.00	108	441.00	25328
113.00	264	188.00	681	271.00	172	442.00	166336
116.00	1213	189.00	1314	272.00	298	443.00	31736
117.00	13214	190.00	243	273.00	2989	444.00	3305
118.00	1016	191.00	657	274.00	8126	445.00	216
119.00	79	192.00	1762	275.00	45794		
120.00	350	193.00	1986	276.00	6286		

Data File: \\QCANCH05\dd\chem\MSS\a4hp8.i\00930a.b\BDF0930B.D Page 5

Date : 30-SEP-2000 12:15

Client ID: Instrument: a4hp8.i

Sample Info: dftpp,00930a.b,dftpp390

Operator:

Column phase: Column diameter: 2.00

Data File: BDF0930B.D

Spectrum: Avg. Scans 1030-1032 (10.05), Background Scan 1023

Location of Maximum: 198.00

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	83	194.00	470	277.00	3525		
122.00	1337	196.00	334	278.00	528		

Data File: \\QCANOH05\dd\chem\HSS\a4hp9.i\00930a.b\8DF0930B.D

Page 1

Date : 30-SEP-2000 12:15

Client ID:

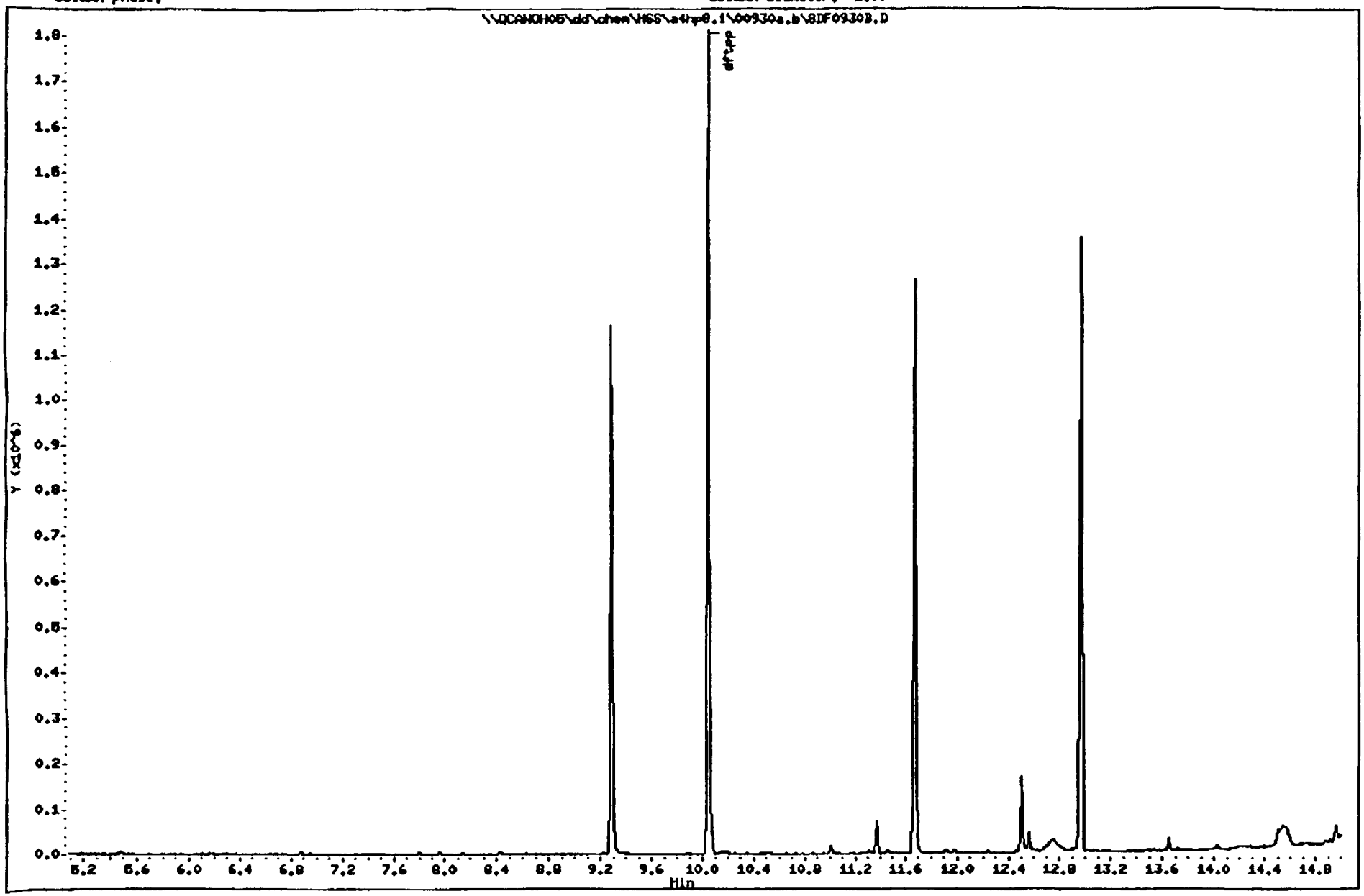
Instrument: a4hp9.i

Sample Info: dftpp,00930a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00



Data File: \\QCANOH05\dd\chem\HSS\a4hp8.i\01016a.b\8DF1016.D

Date : 16-OCT-2000 18:03

Client ID:

Instrument: a4hp8.i

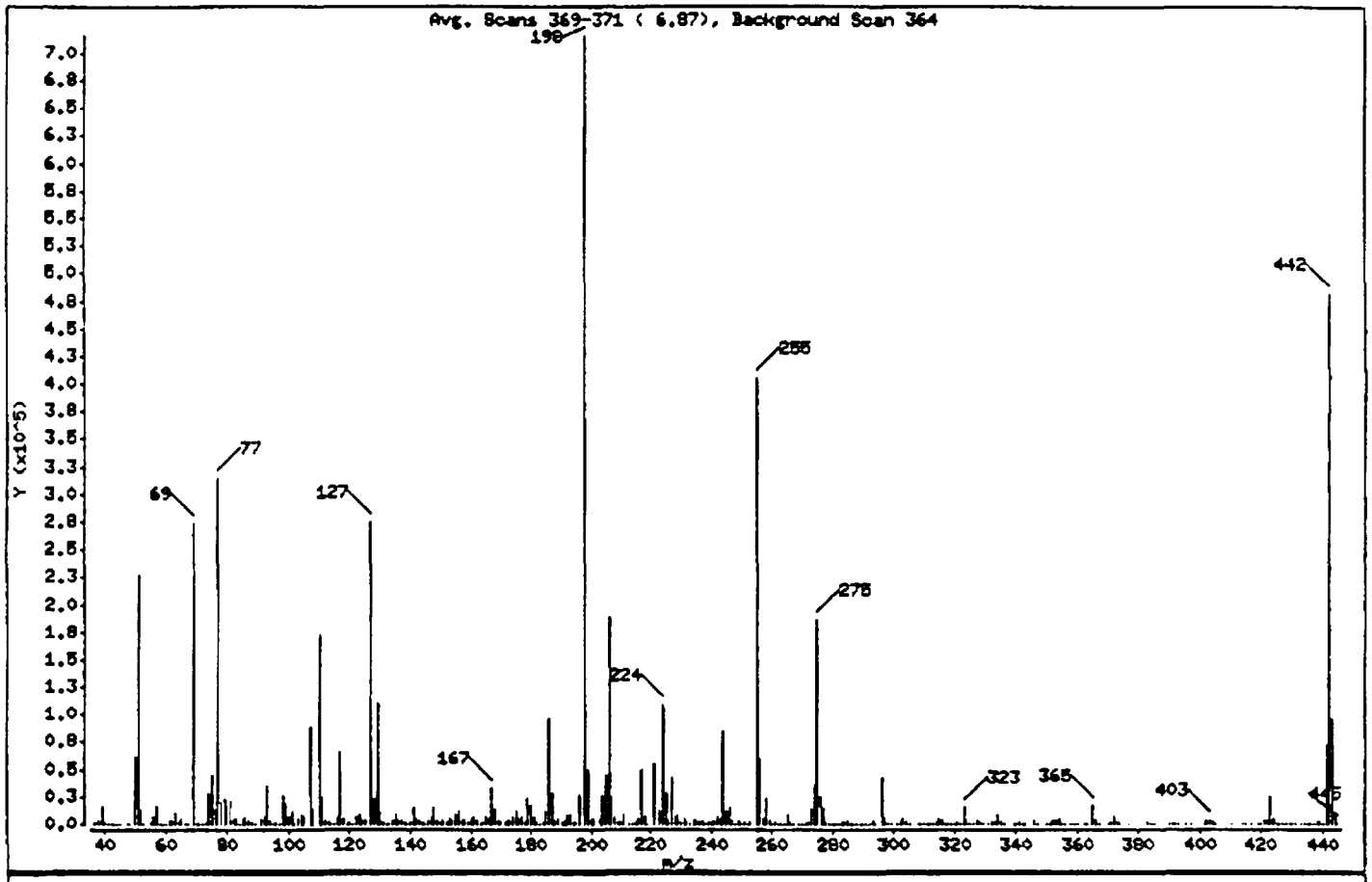
Sample Info: dftpp,01016a.b,dftpp390

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	31.77
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.15
70	Less than 2.00% of mass 69	0.08 (0.21)
127	25.00 - 75.00% of mass 198	38.39
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.79
275	10.00 - 30.00% of mass 198	25.94
365	Greater than 0.75% of mass 198	2.30
441	Present, but less than mass 443	10.19
442	40.00 - 110.00% of mass 198	67.10
443	15.00 - 24.00% of mass 442	13.33 (19.86)

Data File: \\QCANCH05\dd\chem\MSS\a4hp8.i\01016a.b\8DF1016.D

Date : 16-OCT-2000 18:03

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,01016a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF1016.D
Spectrum: Avg. Scans 369-371 (6.87), Background Scan 364
Location of Maximum: 198.00
Number of points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	282	133.00	786	227.00	42448	322.00	510
37.00	1126	134.00	3078	228.00	5888	323.00	14016
38.00	3200	135.00	8571	229.00	9809	324.00	2792
39.00	16920	136.00	3701	230.00	1255	325.00	347
40.00	851	137.00	3813	231.00	4214	326.00	317
41.00	590	138.00	888	232.00	883	327.00	2577
42.00	254	139.00	715	233.00	684	328.00	1427
43.00	167	140.00	1700	234.00	2829	329.00	193
44.00	163	141.00	15263	235.00	3119	331.00	130
45.00	501	142.00	5114	236.00	1848	332.00	884
47.00	19	143.00	3389	237.00	3232	333.00	1365
48.00	156	144.00	867	238.00	503	334.00	8336
50.00	61176	145.00	761	239.00	1723	335.00	2388
51.00	227584	146.00	2795	240.00	1375	336.00	289
52.00	11267	147.00	7371	241.00	2683	339.00	160
53.00	588	148.00	15356	242.00	6068	340.00	212
55.00	1646	149.00	2958	243.00	5747	341.00	1596
56.00	7100	150.00	955	244.00	85480	342.00	425
57.00	16293	151.00	3474	245.00	11986	343.00	51
58.00	685	152.00	1446	246.00	15474	346.00	2702
59.00	281	153.00	4903	247.00	3176	347.00	650
60.00	248	154.00	3543	248.00	771	350.00	185
61.00	3452	155.00	7626	249.00	3039	351.00	198
62.00	3943	156.00	11788	250.00	651	352.00	3969
63.00	9979	157.00	2845	251.00	850	353.00	2869
64.00	1390	158.00	3333	252.00	614	354.00	4433
65.00	5083	159.00	2095	253.00	2014	355.00	667
66.00	256	160.00	4425	255.00	404864	356.00	182
67.00	420	161.00	6895	256.00	59816	358.00	136
69.00	273280	162.00	2472	257.00	4904	359.00	435
70.00	564	163.00	532	258.00	22624	360.00	118
71.00	268	164.00	922	259.00	3646	362.00	51
72.00	197	165.00	5846	260.00	672	363.00	58
73.00	1326	166.00	4298	261.00	865	365.00	16488
74.00	28464	167.00	32144	262.00	83	366.00	2498

Date : 16-OCT-2000 18:03

Client ID: Instrument: a4hp8.i

Sample Info: dftpp,01016a.b,dftpp390

Operator:

Column phase: Column diameter: 2.00

Data File: 8DF1016.D
Spectrum: Avg. Scans 369-371 (6.87), Background Scan 364
Location of Maximum: 198.00
Number of points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	44112	168.00	12619	263.00	235	367.00	337
76.00	13200	169.00	2472	264.00	821	370.00	508
77.00	314560	170.00	1314	265.00	8155	371.00	1224
78.00	20472	171.00	1585	266.00	912	372.00	6960
79.00	22864	172.00	3133	267.00	187	373.00	1581
80.00	15705	173.00	3350	269.00	185	374.00	292
81.00	21392	174.00	6533	270.00	389	377.00	162
82.00	5516	175.00	12112	271.00	788	383.00	1432
83.00	5391	176.00	4200	272.00	879	384.00	458
84.00	552	177.00	6352	273.00	12494	385.00	200
85.00	4363	178.00	2105	274.00	33976	390.00	791
86.00	6471	179.00	22696	275.00	185792	391.00	675
87.00	3065	180.00	15875	276.00	24976	392.00	438
88.00	1059	181.00	7127	277.00	14605	393.00	61
89.00	613	182.00	1391	278.00	2306	395.00	208
91.00	5392	183.00	430	279.00	641	397.00	64
92.00	6589	184.00	2022	280.00	113	401.00	480
93.00	34024	185.00	11860	281.00	232	402.00	2567
94.00	2496	186.00	97288	282.00	382	403.00	3539
95.00	672	187.00	28384	283.00	1645	404.00	1190
96.00	1545	188.00	2999	284.00	1053	405.00	141
97.00	90	189.00	5743	285.00	2890	410.00	75
98.00	25872	190.00	1064	286.00	587	414.00	60
99.00	18544	191.00	3189	287.00	56	415.00	109
100.00	5909	192.00	7475	288.00	70	417.00	60
101.00	11584	193.00	8474	289.00	604	419.00	116
102.00	542	194.00	2131	290.00	442	420.00	52
103.00	4287	195.00	860	291.00	348	421.00	3166
104.00	7909	196.00	26464	292.00	671	422.00	3334
105.00	6370	198.00	716352	293.00	3099	423.00	24208
107.00	88976	199.00	48632	294.00	789	424.00	4644
108.00	13190	200.00	4158	296.00	43384	425.00	434
110.00	173248	201.00	4348	297.00	5589	426.00	65
111.00	25000	203.00	4979	298.00	501	427.00	63
112.00	3038	204.00	26584	299.00	65	428.00	67

Data File: \\QCANOH05\dd\chem\MSS\a4hp8.i\01016a.b\8DF1016.D

Date : 16-OCT-2000 18:03

Client ID:

Instrument: a4hp8.i

Sample Info: dftpp,01016a.b,dftpp390

Operator:

Column phase:

Column diameter: 2.00

Data File: 8DF1016.D
Spectrum: Avg. Scans 369-371 (6.87), Background Scan 364
Location of Maximum: 198.00
Number of points: 353

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	936	205.00	43760	301.00	783	429.00	51
114.00	334	206.00	189952	302.00	1030	430.00	162
115.00	594	207.00	25264	303.00	5143	431.00	216
116.00	5993	208.00	6211	304.00	1466	433.00	189
117.00	65648	209.00	1703	305.00	230	434.00	286
118.00	4620	210.00	1111	308.00	636	435.00	500
119.00	722	211.00	7636	309.00	465	436.00	535
120.00	1255	213.00	681	310.00	686	437.00	742
121.00	455	214.00	280	311.00	145	438.00	1815
122.00	5831	215.00	2151	312.00	221	439.00	1571
123.00	7918	216.00	4446	313.00	514	440.00	442
124.00	3971	217.00	48920	314.00	2110	441.00	73032
125.00	3307	218.00	6743	315.00	5305	442.00	480640
127.00	275008	219.00	597	316.00	2807	443.00	95464
128.00	22304	221.00	55120	317.00	698	444.00	9663
129.00	110240	223.00	11819	318.00	104	445.00	459
130.00	9950	224.00	109000	319.00	125		
131.00	1640	225.00	27328	320.00	72		
132.00	801	226.00	2029	321.00	1473		

Data File: \\QCANOH05\dd\chem\HSS\a4hp8.i\01016a.b\8DF1016.D

Date : 16-OCT-2000 18:03

Client ID:

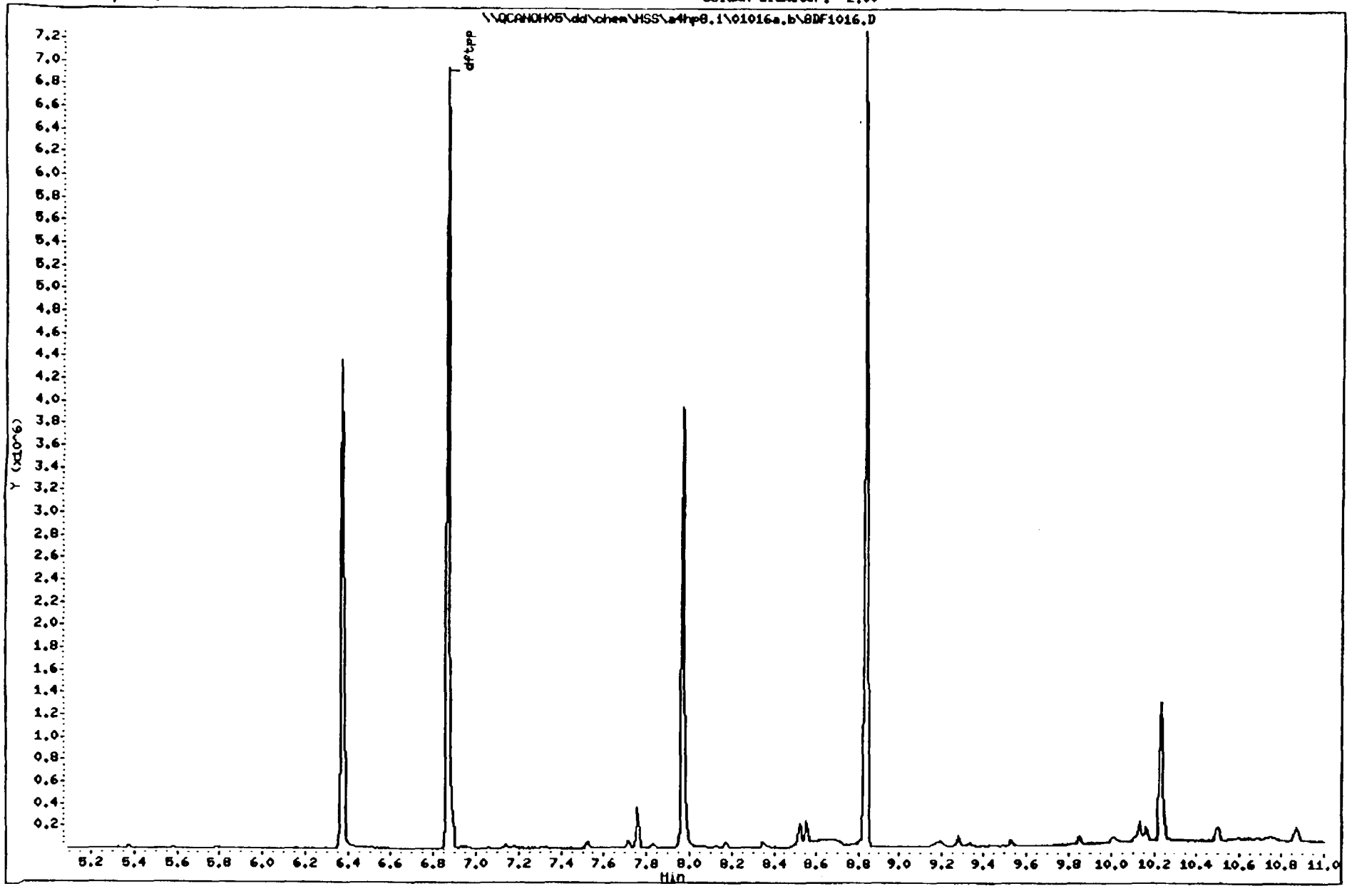
Sample Info: dftpp,01016a.b,dftpp390

Column phase:

Instrument: a4hp8.i

Operator:

Column diameter: 2.00



RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I050000 298
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DJVT3101 Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0249298

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

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I050000 298
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DJVT3101 Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0249298

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: I01248

Matrix: (soil/water) SOLID Lab Sample ID: A0I050000 298
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DJVT3101 Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %: NA

QC Batch: 0249298

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	330	U
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:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I050000 298
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

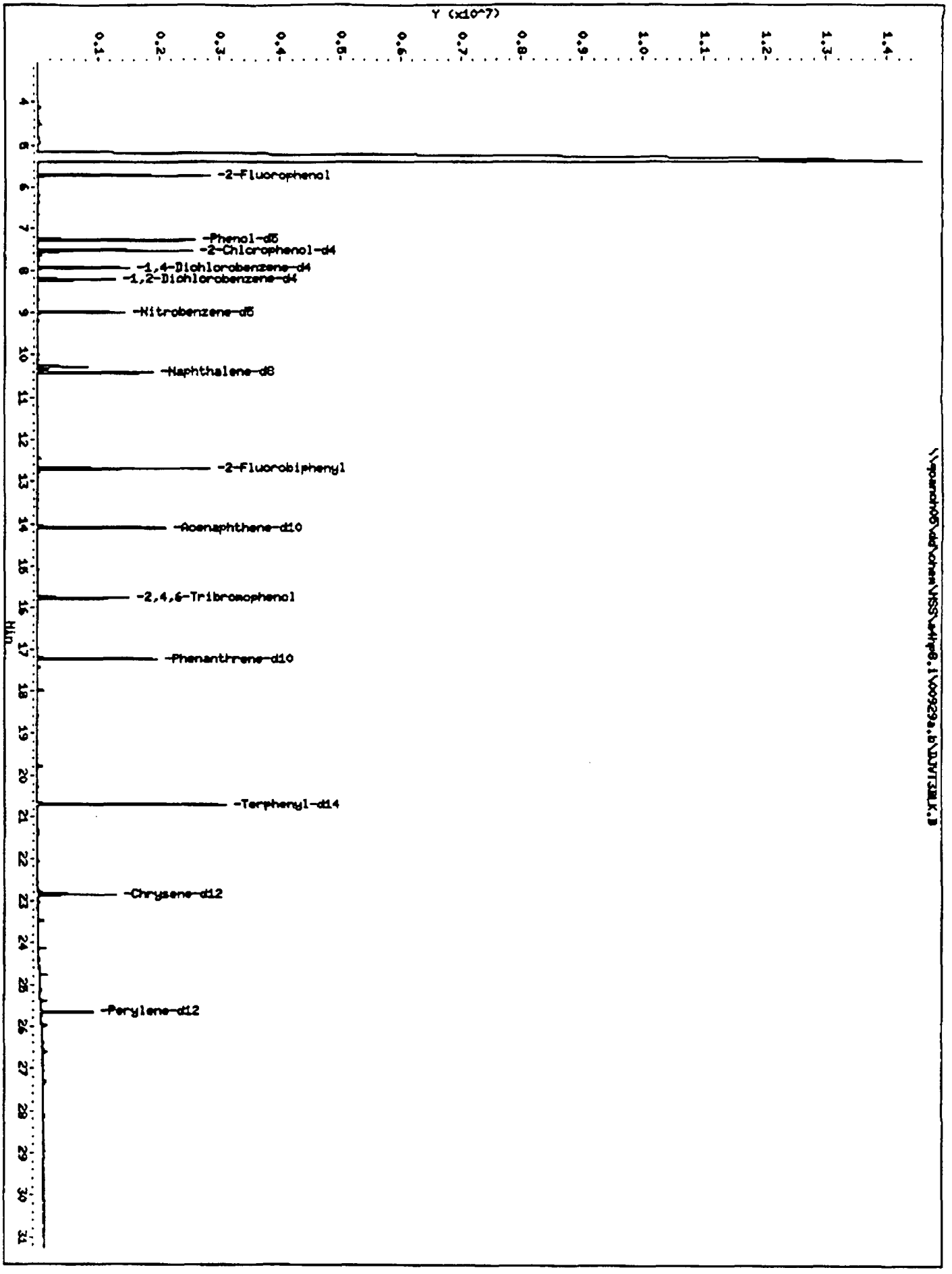
Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DJVT3101 Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0249298

Client Sample Id: INTRA-LAB BLANK

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.4019	39000	JA
	Unknown	10.287	280	J
	Unknown Hydrocarbon	24.767	89	J
	Unknown Hydrocarbon	25.377	81	J
	Unknown Hydrocarbon	25.974	71	J


Y (x10^7)
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
1.4
Min
-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
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DJVT3BLK.D
Lab Smp Id: DJVT3101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-SEP-2000 20:57
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djvt3101,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 7 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.941	7.940	(1.000)	346346	40.0000	
* 2 Naphthalene-d8	136	10.422	10.426	(1.000)	1361352	40.0000	
* 3 Acenaphthene-d10	164	14.086	14.095	(1.000)	790174	40.0000	
* 4 Phenanthrene-d10	188	17.231	17.240	(1.000)	1214563	40.0000	
* 5 Chrysene-d12	240	22.853	22.866	(1.000)	742140	40.0000	
* 6 Perylene-d12	264	25.656	25.665	(1.000)	546875	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	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	8.994	8.998	(0.863)	780235	56.1807	940
$	73 2-Fluorobiphenyl	172	12.692	12.696	(0.901)	1432695	66.8239	1100
$	74 Terphenyl-d14	244	20.684	20.683	(0.905)	1866409	103.573	1700
$	75 Phenol-d5	99	7.272	7.262	(0.916)	1519104	98.2009	1600
$	76 2-Fluorophenol	112	5.724	5.670	(0.721)	1078921	94.0396	1600
$	77 2,4,6-Tribromophenol	330	15.755	15.764	(0.914)	284057	102.543	1700(Q)
$	78 2-Chlorophenol-d4	132	7.527	7.517	(0.948)	1029508	101.548	1700(Q)
$	79 1,2-Dichlorobenzene-d4	152	8.224	8.223	(1.036)	284334	41.1951	690

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DJVT3BLK.D
Lab Smp Id: DJVT3101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-SEP-2000 20:57
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djvt3101,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 7 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.941	2229132	40.000
* 2 Naphthalene-d8	10.422	2906565	40.000
* 6 Perylene-d12	25.657	1543519	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.402	1.292e+008	2317.64172	39000	99		0	1

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.288	1210456	16.6582340	280	0		0	2
Unknown Hydrocarbon				CAS #:			
24.767	206362	5.34783181	89	99		0	6
Unknown Hydrocarbon				CAS #:			
25.378	188219	4.87765943	81	99		0	6
Unknown Hydrocarbon				CAS #:			
25.974	165495	4.28877131	71	99		0	6

Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\DJVT3BLK.D

Date : 29-SEP-2000 20:57

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: djvt3101,00929a.b,clp31,1-clp90.sub

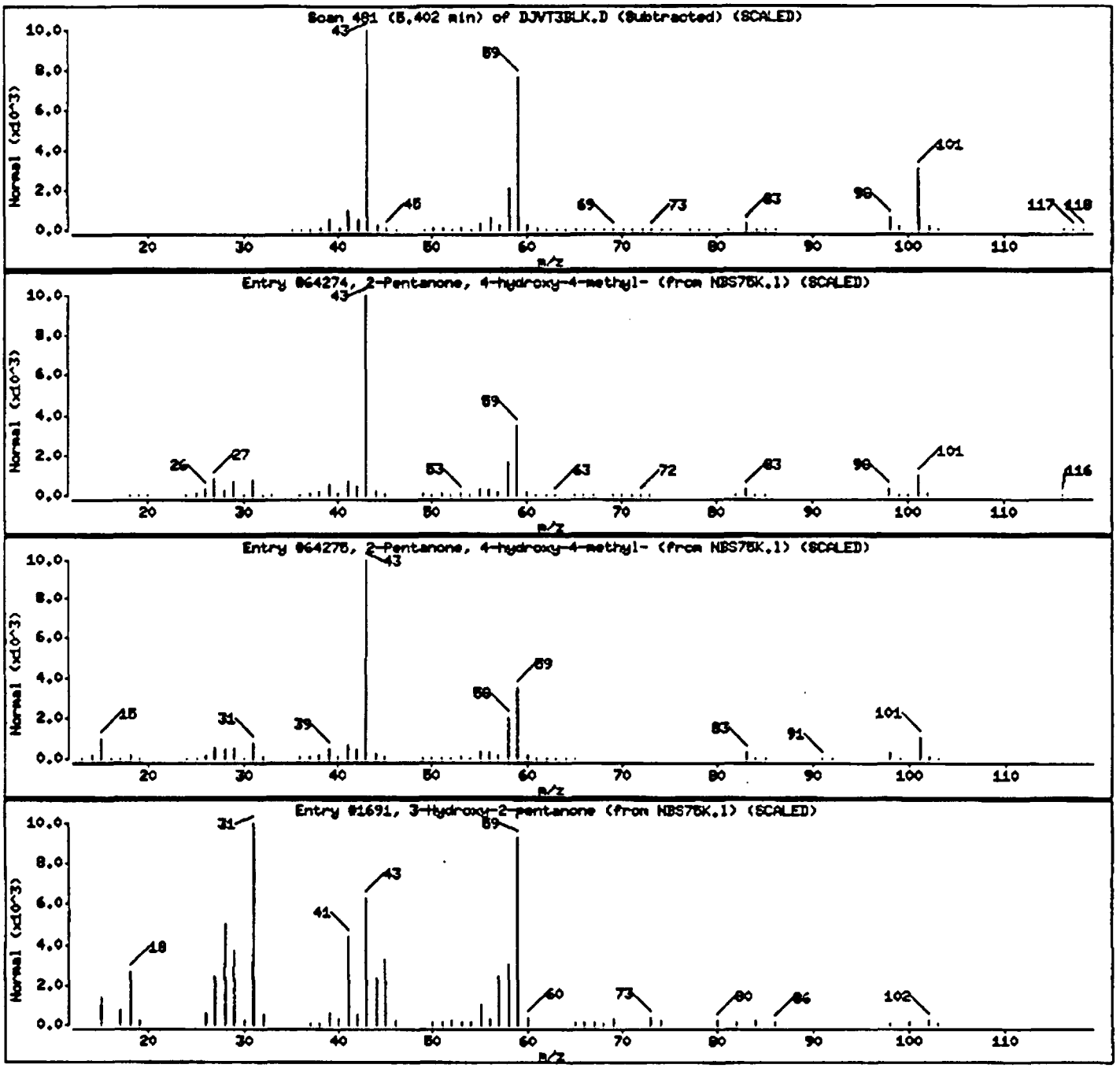
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.1	1691	33	C5H10O2	102



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Date : 29-SEP-2000 20:57

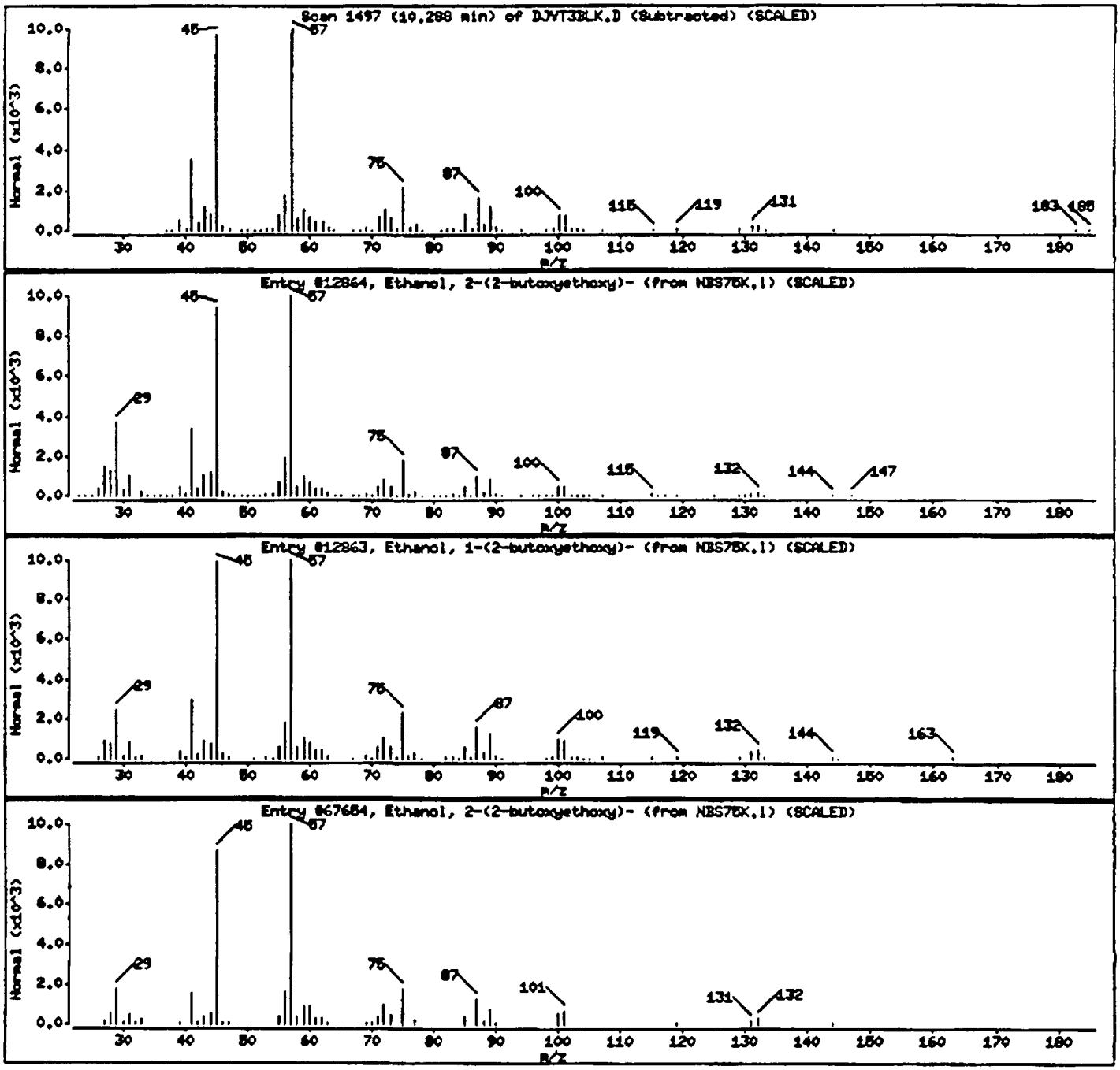
Client ID: INTRA-LAB BLANK Instrument: a4hp8.i

Sample Info: djvt3101,00929a.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						
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C8H18O3	162



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Date : 29-SEP-2000 20:57

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: djvt3101,00929a.b,olp31,i-olp90.sub

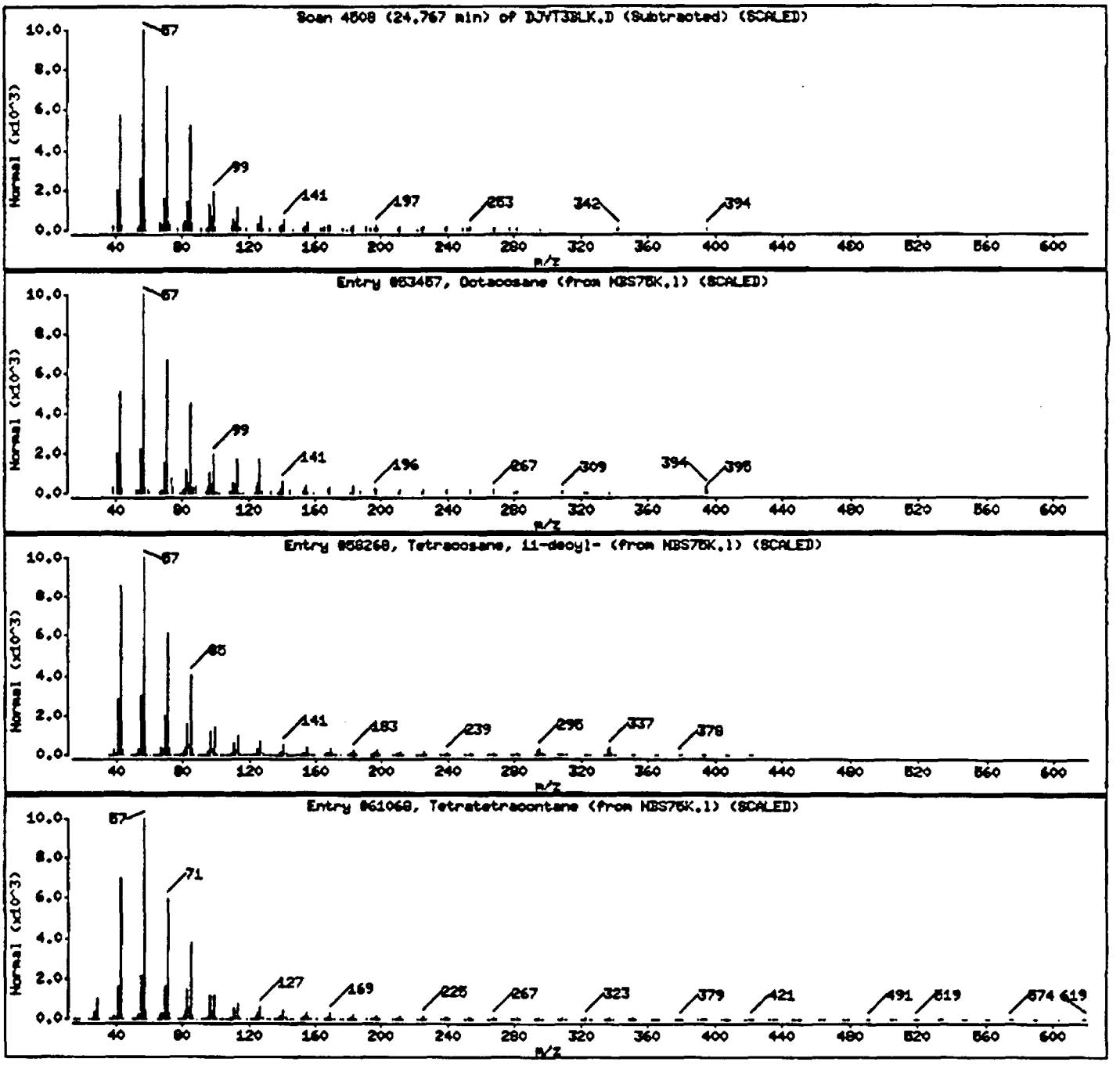
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octacosane	630-02-4	NBS75K.l	53457	93	C28H58	394
Tetracosane, 11-decyl-	55429-84-0	NBS75K.l	58268	91	C34H70	479
Tetratetracontane	7098-22-8	NBS75K.l	61068	91	C44H90	619



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Date : 29-SEP-2000 20:57

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: djvt3101,00929a.b,clp31,1-clp90,sub

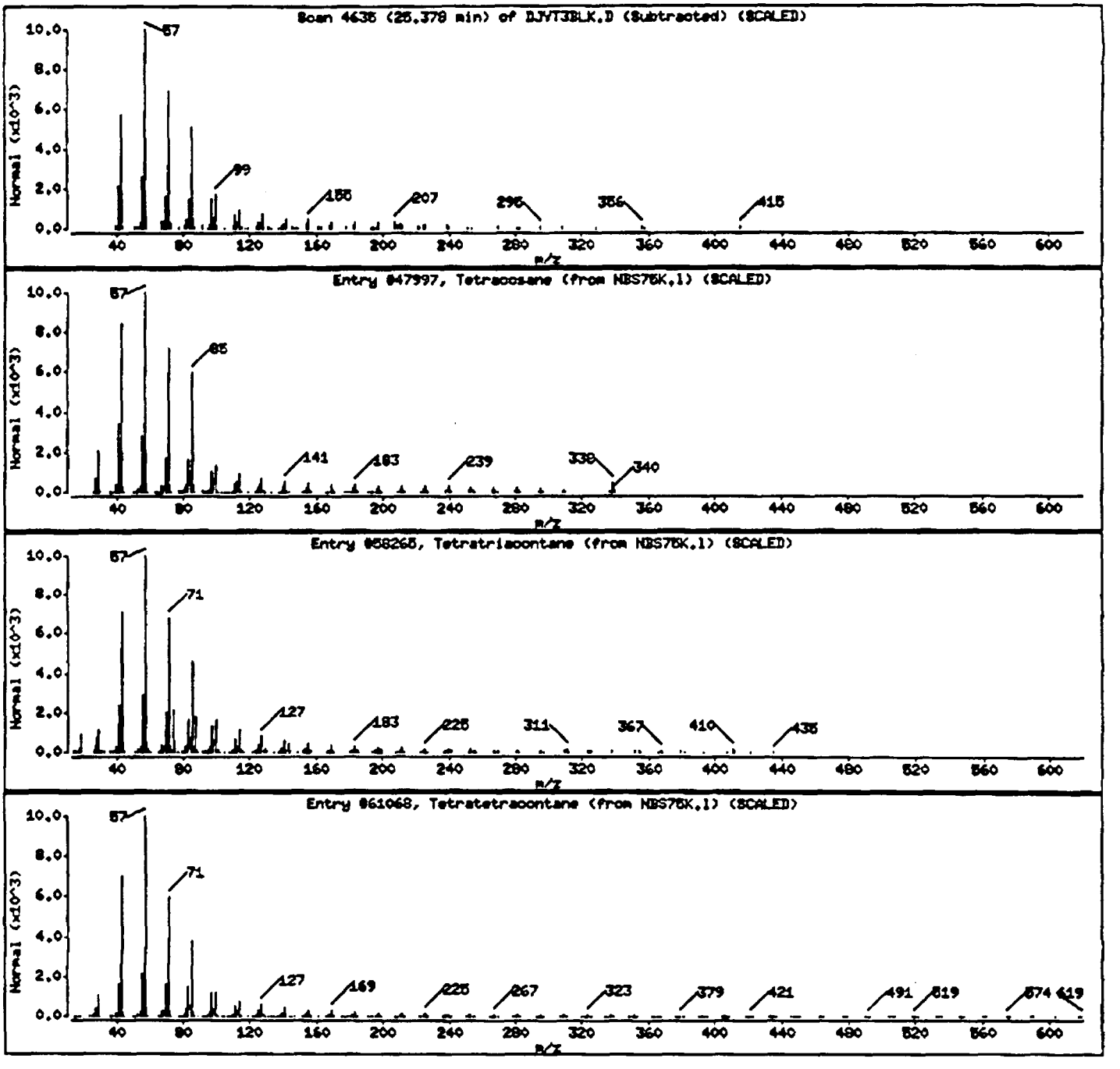
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tetracosane	646-31-1	NBS75K.1	47997	91	C24H50	338
Tetratriacontane	14167-59-0	NBS75K.1	58265	90	C34H70	479
Tetratetracontane	7098-22-8	NBS75K.1	61068	90	C44H90	619



Data File: \\epcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DJVT3BLK.D

Date : 29-SEP-2000 20:57

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: djvt3:01,00929a.b,olp31,i-olp90.sub

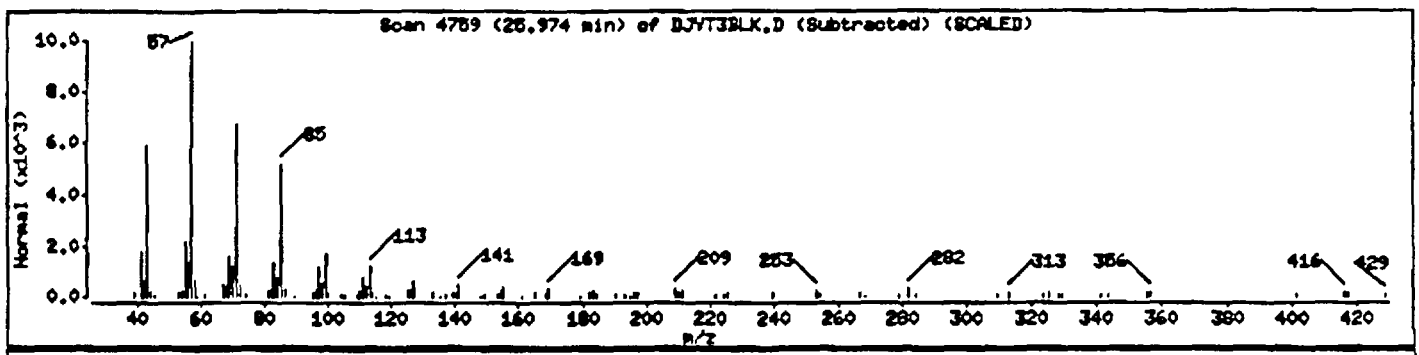
Volume Injected (uL): 2.0

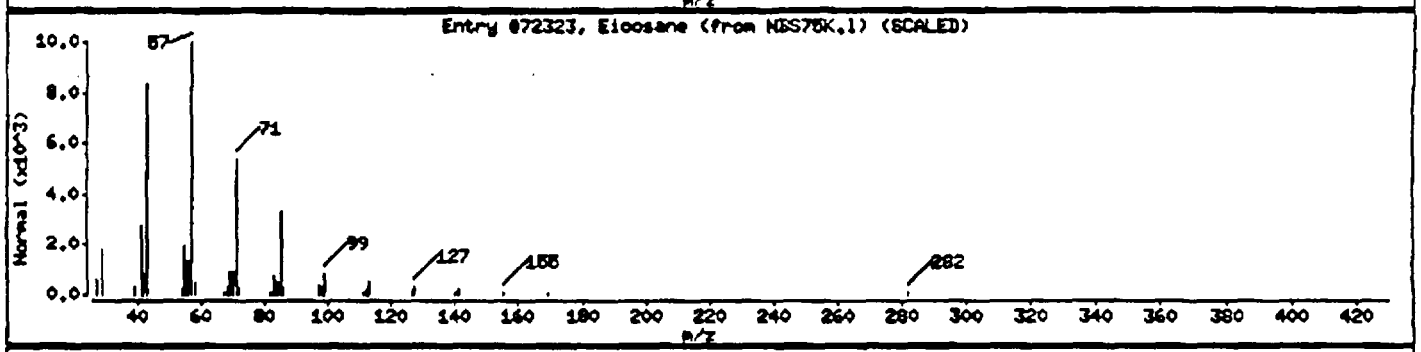
Operator: 001574

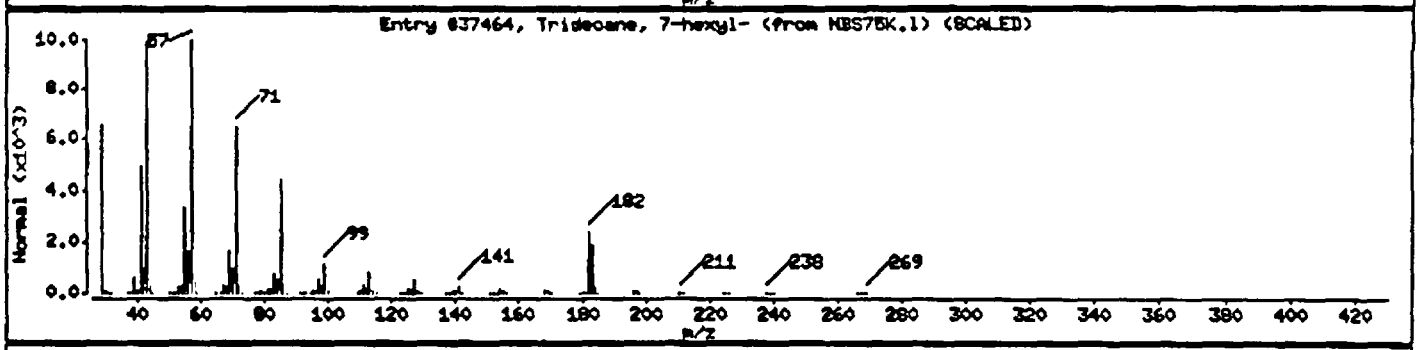
Column phase:

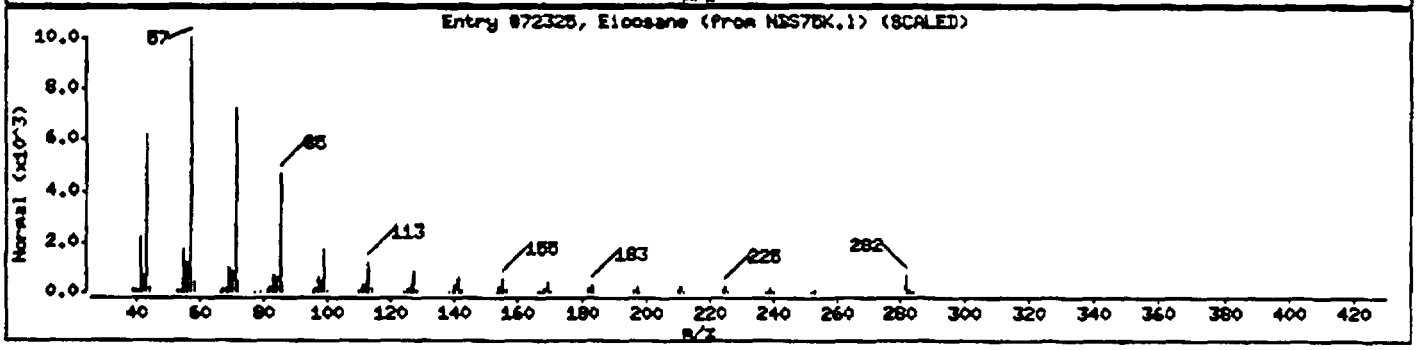
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.l	72323	97	C20H42	282
Tridecane, 7-hexyl-	7225-66-3	NBS75K.l	37464	93	C19H40	268
Eicosane	112-95-8	NBS75K.l	72325	93	C20H42	282









RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I270000 338
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DL4QA101 Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0271338

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:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I270000 338
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DL4QA101 Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0271338

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:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I270000 338
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DL4QA101 Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

QC Batch: 0271338

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	330	U
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:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0I270000 338
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DL4QA101 Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:NA

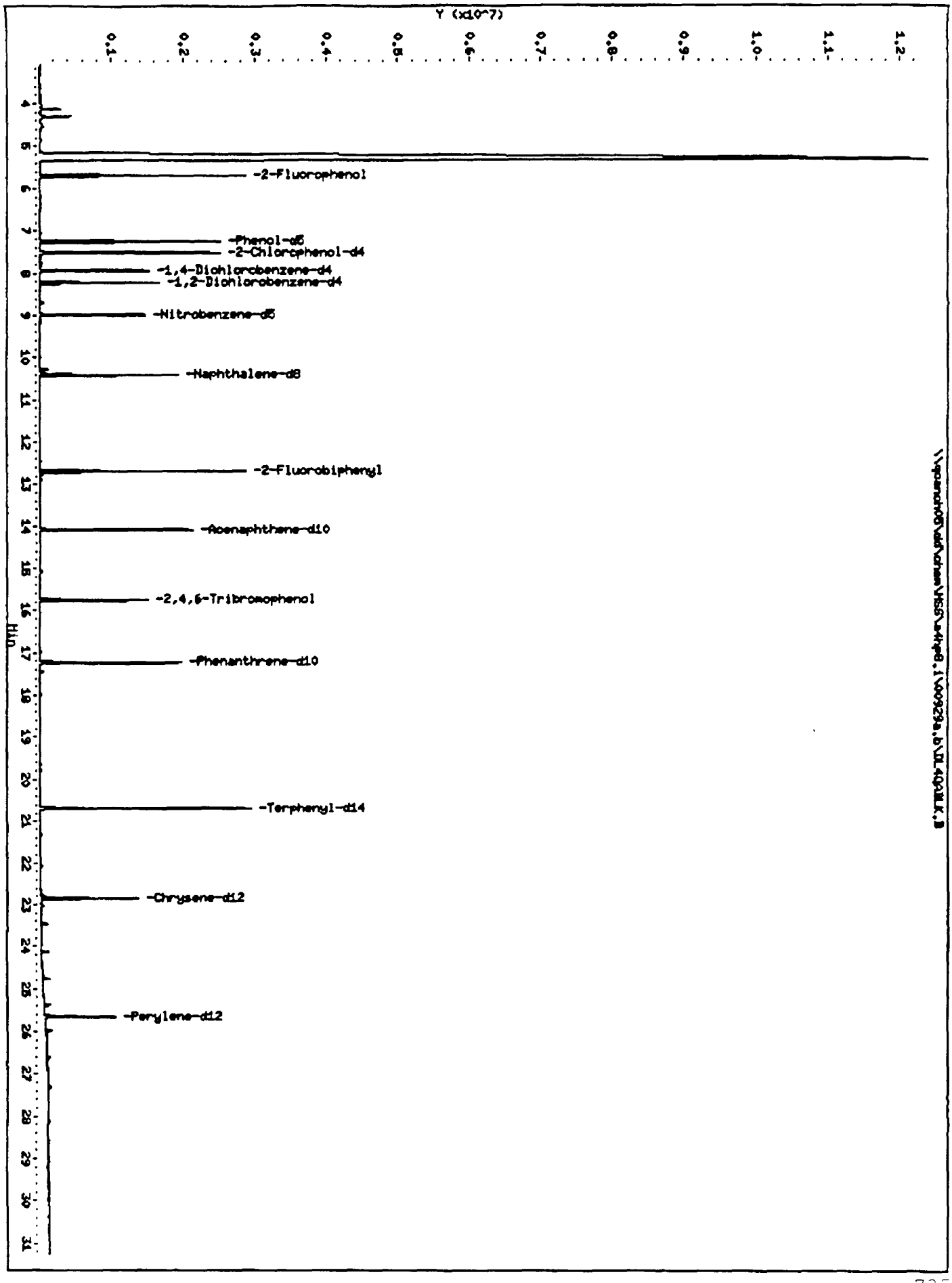
QC Batch: 0271338

Client Sample Id: INTRA-LAB BLANK

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	4.135	120	J
	Unknown	4.308	240	J
	Unknown Aldol Condensate	5.337	23000	JA

FORM I - TIC


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Min
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30
31
-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
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DL4QABLK.D
Lab Smp Id: DL4QA101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-SEP-2000 21:36
Operator : 001574 Inst ID: a4hp8.i
Smp Info : dl4qa101,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 8 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.938	7.940	(1.000)	348210	40.0000	
* 2 Naphthalene-d8	136	10.415	10.426	(1.000)	1369672	40.0000	
* 3 Acenaphthene-d10	164	14.084	14.095	(1.000)	792873	40.0000	
* 4 Phenanthrene-d10	188	17.229	17.240	(1.000)	1232361	40.0000	
* 5 Chrysene-d12	240	22.855	22.866	(1.000)	799073	40.0000	
* 6 Perylene-d12	264	25.659	25.665	(1.000)	621591	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	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	8.991	8.998	(0.863)	823944	58.9676	980
$ 73 2-Fluorobiphenyl	172	12.689	12.696	(0.901)	1442343	67.0449	1100
$ 74 Terphenyl-d14	244	20.682	20.683	(0.905)	1879614	96.8744	1600
$ 75 Phenol-d5	99	7.265	7.262	(0.915)	1524318	98.0105	1600
$ 76 2-Fluorophenol	112	5.707	5.670	(0.719)	1086864	94.2248	1600
$ 77 2,4,6-Tribromophenol	330	15.757	15.764	(0.915)	289279	102.920	1700(Q)
$ 78 2-Chlorophenol-d4	132	7.520	7.517	(0.947)	1037508	101.790	1700(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.222	8.223	(1.036)	380782	54.8734	910

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DL4QABLK.D
Lab Smp Id: DL4QA101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 29-SEP-2000 21:36
Operator : 001574 Inst ID: a4hp8.i
Smp Info : dl4qa101,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 8 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.939	2246093	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.135	410072	7.30284988	120	0		0	1
Unknown				CAS #:			
4.308	795576	14.1681756	240	0		0	1

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
---	---	---	---	---	---	---	---
Unknown Aldol Condensate				CAS #:			
5.337	76878648	1369.10890	23000	99		0	1

Data File: \\wpanch05\dd\chem\MSS\a4hp8.i\00929a.b\DL4QABLK.D

Date : 29-SEP-2000 21:36

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: dl4qa101,00929a.b,olp31,1-olp90.sub

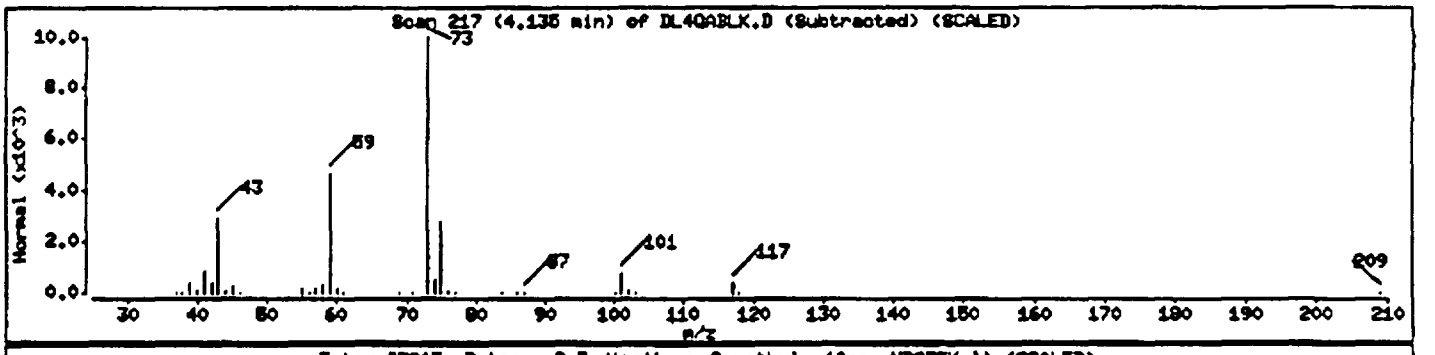
Volume Injected (uL): 2.0

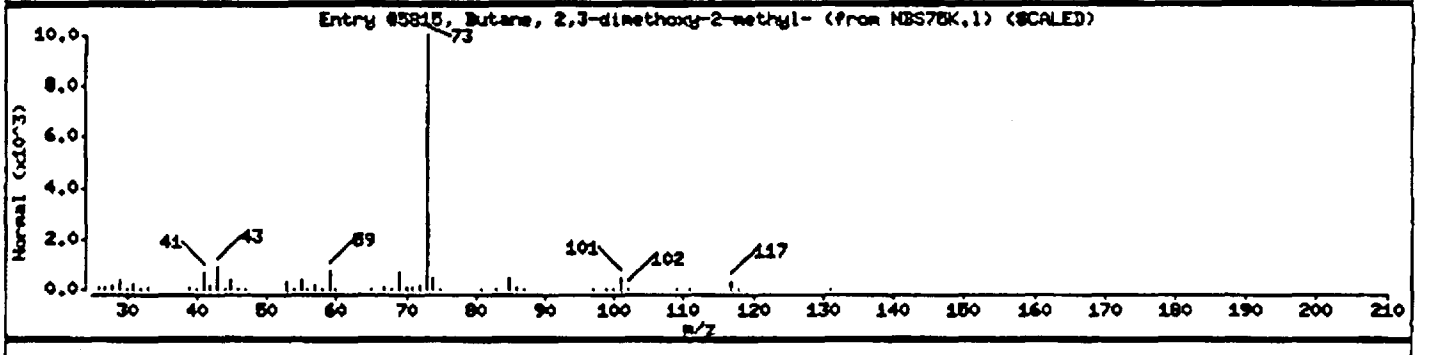
Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butane, 2,3-dimethoxy-2-methyl-	74421-00-4	NBS75K.l	5815	17	C7H16O2	132





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Date : 29-SEP-2000 21:36

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: dl4qa101,00929a.b,olp31,1-olp90,sub

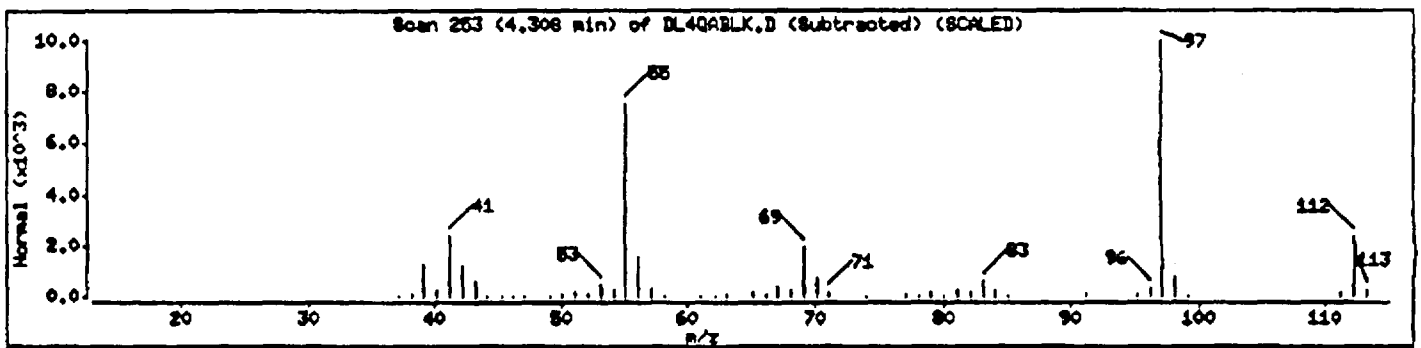
Volume Injected (uL): 2.0

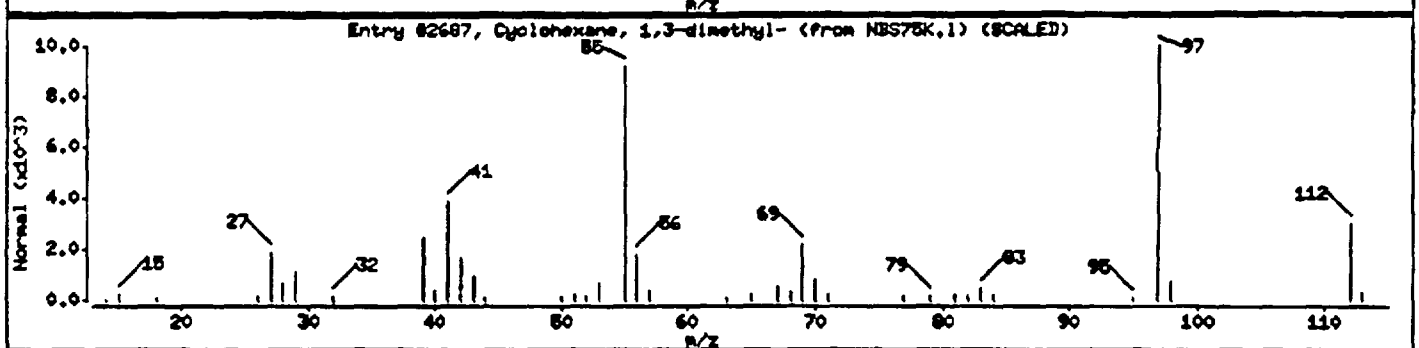
Operator: 001874

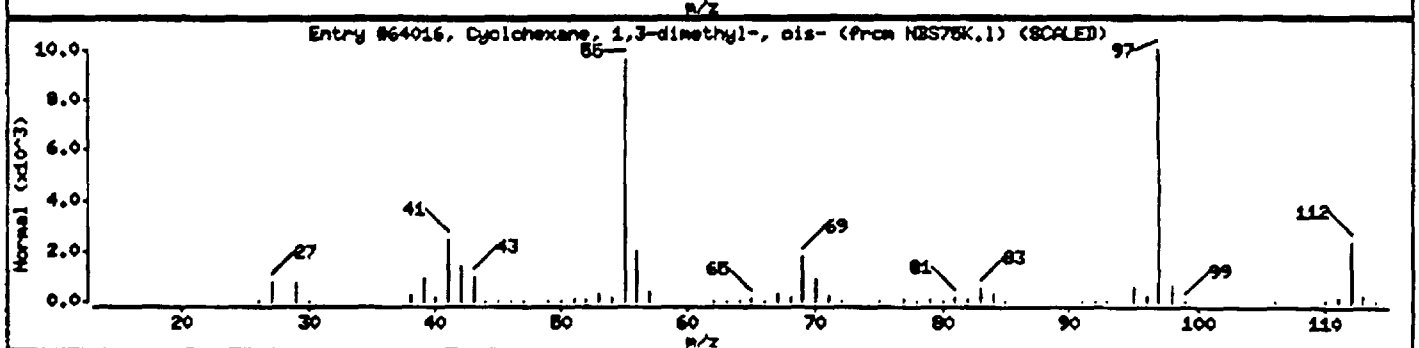
Column phase:

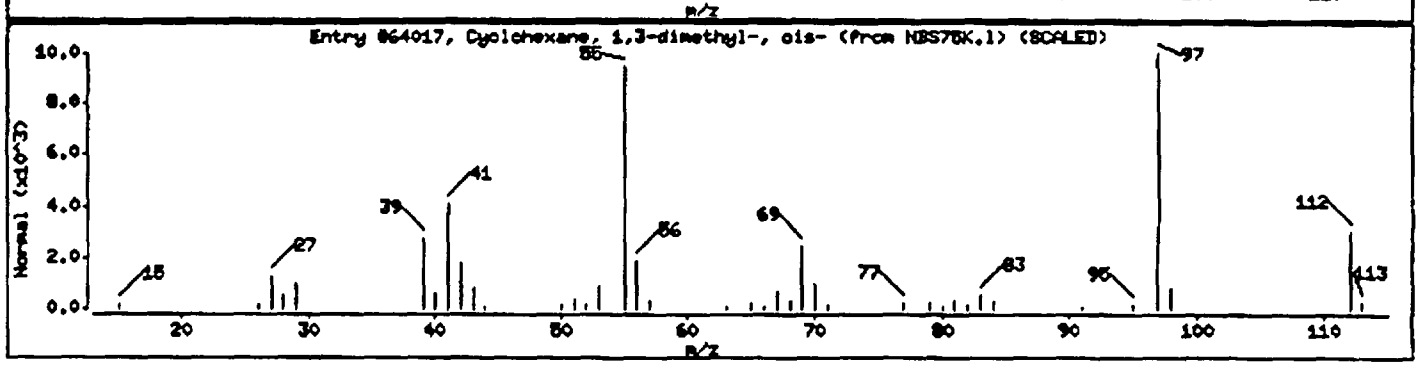
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,3-dimethyl-	591-21-9	NBS75K.l	2687	95	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	64016	94	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	64017	91	C8H16	112









Data File: \\wpanoh05\dd\chem\MSS\a4hp8.i\00929a.b\DL4QABLK.D

Date : 29-SEP-2000 21:36

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: dl4qa101,00929a.b,clp31,i-clp90,sub

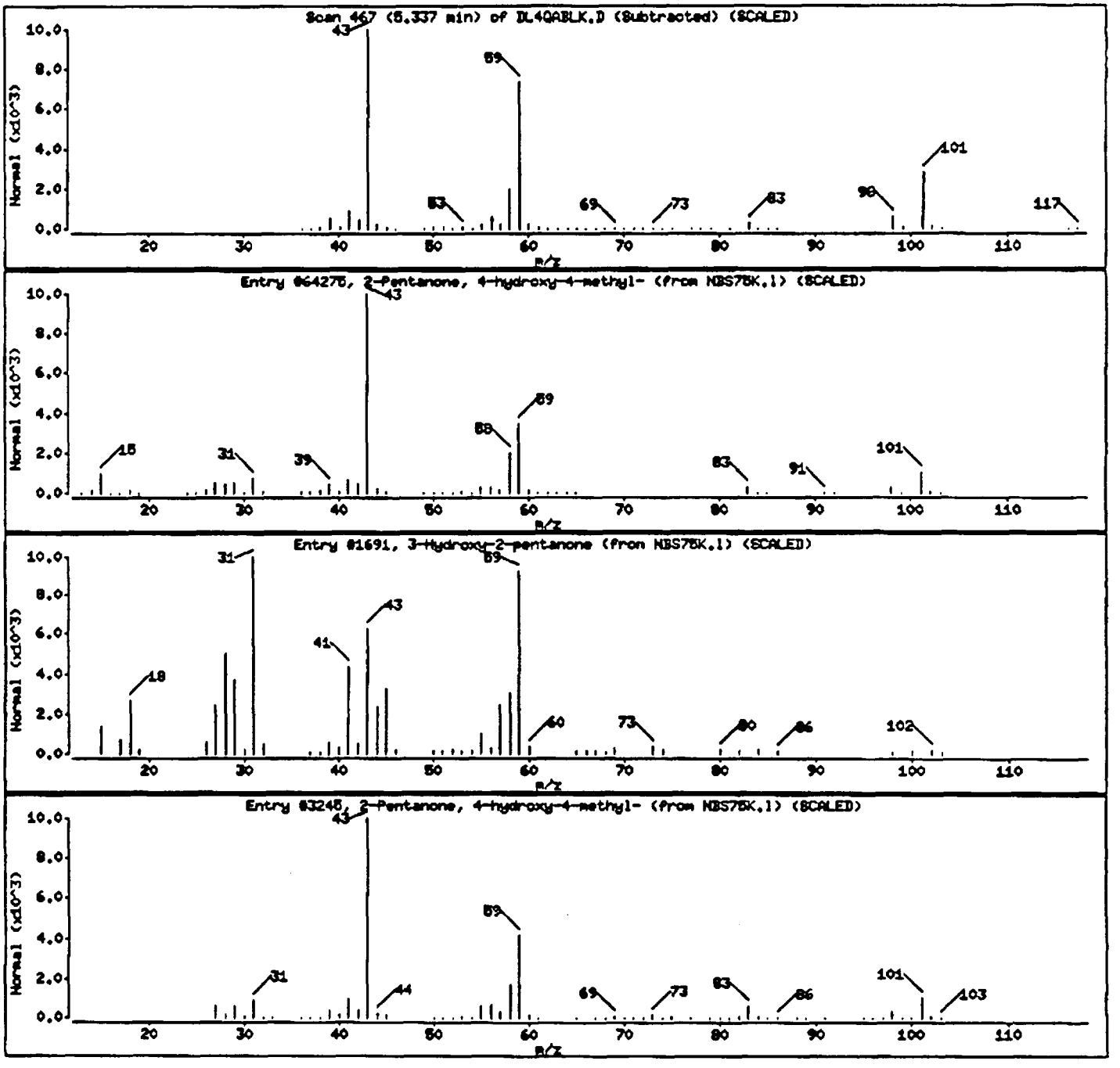
Volume Injected (uL): 2.0

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	64275	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	40	C5H10O2	102
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	39	C6H12O2	116



RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0J040000 194
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DLH2C101 Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:NA

QC Batch: 0278194

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	610	U
111-44-4	bis(2-Chloroethyl) ether	610	U
95-57-8	2-Chlorophenol	610	U
541-73-1	1,3-Dichlorobenzene	610	U
106-46-7	1,4-Dichlorobenzene	610	U
95-50-1	1,2-Dichlorobenzene	610	U
95-48-7	2-Methylphenol	610	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	610	U
106-44-5	4-Methylphenol	610	U
621-64-7	N-Nitrosodi-n-propylamine	610	U
67-72-1	Hexachloroethane	610	U
98-95-3	Nitrobenzene	610	U
78-59-1	Isophorone	610	U
88-75-5	2-Nitrophenol	610	U
105-67-9	2,4-Dimethylphenol	610	U
111-91-1	bis(2-Chloroethoxy)methane	610	U
120-83-2	2,4-Dichlorophenol	610	U
120-82-1	1,2,4-Trichlorobenzene	610	U
91-20-3	Naphthalene	610	U
106-47-8	4-Chloroaniline	610	U
87-68-3	Hexachlorobutadiene	610	U
59-50-7	4-Chloro-3-methylphenol	610	U
91-57-6	2-Methylnaphthalene	610	U
77-47-4	Hexachlorocyclopentadiene	610	U
88-06-2	2,4,6-Trichlorophenol	610	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	610	U
88-74-4	2-Nitroaniline	1500	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0J040000 194
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DLH2C101 Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:NA

QC Batch: 0278194

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	610	U
208-96-8	Acenaphthylene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	610	U
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethyl phthalate	610	U
7005-72-3	4-Chlorophenyl phenyl ether	610	U
86-73-7	Fluorene	610	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine	610	U
101-55-3	4-Bromophenyl phenyl ether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	610	U
120-12-7	Anthracene	610	U
86-74-8	Carbazole	610	U
84-74-2	Di-n-butyl phthalate	610	U
206-44-0	Fluoranthene	610	U
129-00-0	Pyrene	610	U
85-68-7	Butyl benzyl phthalate	610	U
91-94-1	3,3'-Dichlorobenzidine	610	U
56-55-3	Benzo(a)anthracene	610	U
218-01-9	Chrysene	610	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0J040000 194
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DLH2C101 Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:NA

QC Batch: 0278194

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	610	U
117-84-0	Di-n-octyl phthalate	610	U
205-99-2	Benzo(b)fluoranthene	610	U
207-08-9	Benzo(k)fluoranthene	610	U
50-32-8	Benzo(a)pyrene	610	U
193-39-5	Indeno(1,2,3-cd)pyrene	610	U
53-70-3	Dibenz(a,h)anthracene	610	U
191-24-2	Benzo(ghi)perylene	610	U

RMT

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SOLID Lab Sample ID:A0J040000 194
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30 / g Date Received: 09/01/00
Work Order: DLH2C101 Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:NA

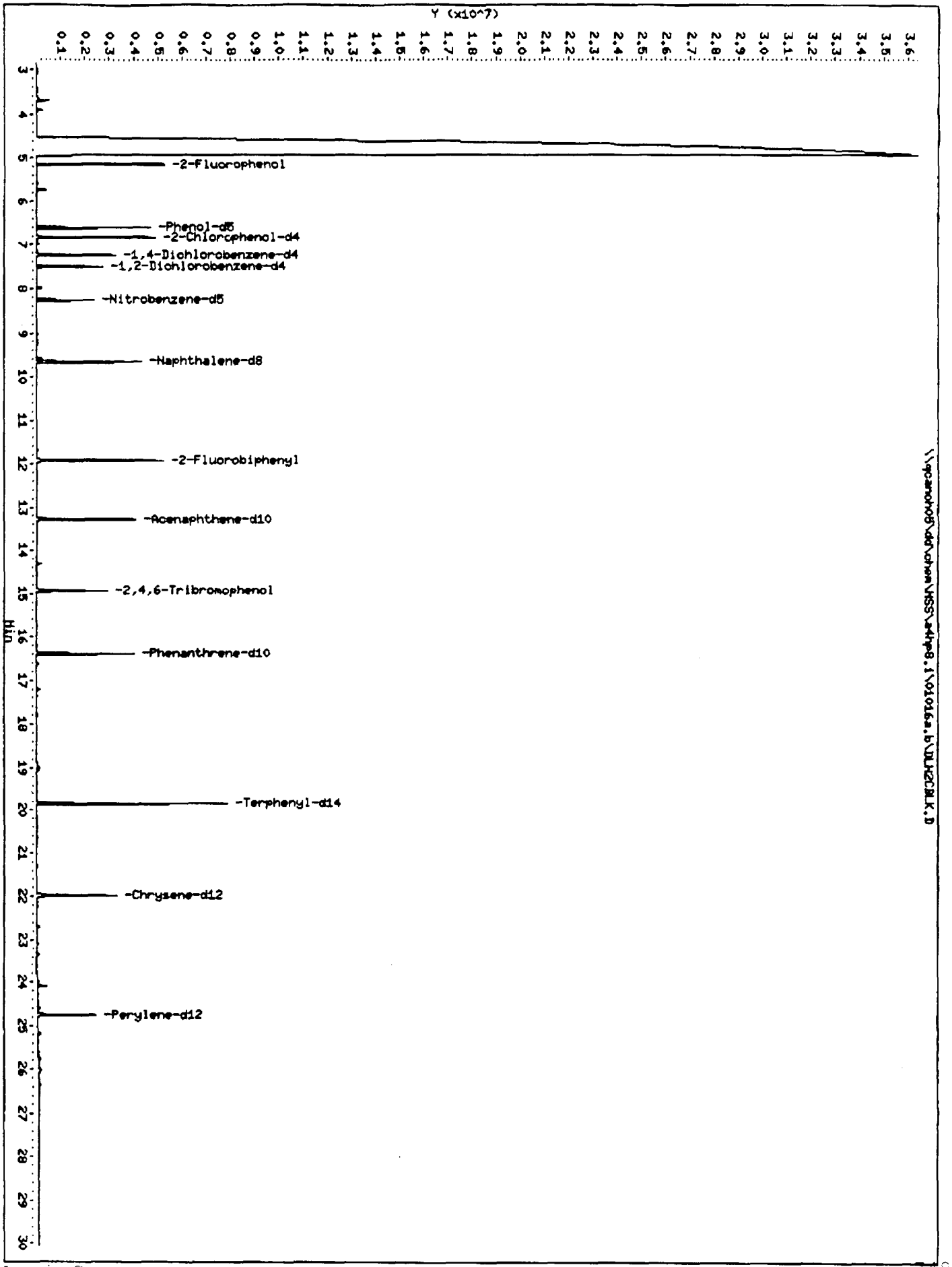
QC Batch: 0278194

Client Sample Id: INTRA-LAB BLANK

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	4.926	86000	JA
	Unknown	5.729	76	J
	Unknown	24.089	110	J

FORM I - TIC


Y (x10^7)
Min
-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
-Perylene-d12
\\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\DLH2CBLK.D

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\DLH2CBLK.D
Lab Smp Id: DLH2C101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 16-OCT-2000 19:06
Operator : 001574 Inst ID: a4hp8.i
Smp Info : dlh2c101,01016a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\01016a.b\clp31.m
Meth Date : 17-Oct-2000 07:45 ulmanm Quant Type: ISTD
Cal Date : 16-OCT-2000 18:23 Cal File: 8SML1016.D
Als bottle: 3 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.233	7.227	(1.000)	768073	40.0000	
* 2 Naphthalene-d8	136	9.661	9.669	(1.000)	2624383	40.0000	
* 3 Acenaphthene-d10	164	13.291	13.299	(1.000)	1635245	40.0000	
* 4 Phenanthrene-d10	188	16.406	16.414	(1.000)	2784760	40.0000	
* 5 Chrysene-d12	240	21.983	21.996	(1.000)	2110200	40.0000	
* 6 Perylene-d12	264	24.762	24.766	(1.000)	1566510	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	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	8.262	8.270	(0.855)	1448567	53.5686	890
$ 73 2-Fluorobiphenyl	172	11.930	11.938	(0.898)	2897205	60.1614	1000
$ 74 Terphenyl-d14	244	19.858	19.857	(0.903)	5184480	121.559	2000
$ 75 Phenol-d5	99	6.618	6.602	(0.915)	2418947	89.5785	1500
$ 76 2-Fluorophenol	112	5.151	5.025	(0.712)	1723422	77.7440	1300
$ 77 2,4,6-Tribromophenol	330	14.949	14.958	(0.911)	616537	100.532	1700
$ 78 2-Chlorophenol-d4	132	6.829	6.813	(0.944)	1823760	94.9343	1600
$ 79 1,2-Dichlorobenzene-d4	152	7.502	7.501	(1.037)	643798	40.4098	670

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\DLH2CBLK.D
Lab Smp Id: DLH2C101 Client Smp ID: INTRA-LAB BLANK
Inj Date : 16-OCT-2000 19:06
Operator : 001574 Inst ID: a4hp8.i
Smp Info : dlh2c101,01016a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\01016a.b\clp31.m
Meth Date : 17-Oct-2000 07:45 ulmanm Quant Type: ISTD
Cal Date : 16-OCT-2000 18:23 Cal File: 8SML1016.D
Als bottle: 3 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

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	7.233	4772108	40.000
* 6 Perylene-d12	24.762	4278387	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
4.926	6.126e+008	5134.52922	86000	99		0	1

RT	AREA	CONCENTRATIONS ON-COL (NG)	FINAL (ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
5.729	543993	4.55977107	76	0		0	1
Unknown				CAS #:			
24.089	730449	6.82919988	110	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\DLH2CBLK.D

Date : 16-OCT-2000 19:06

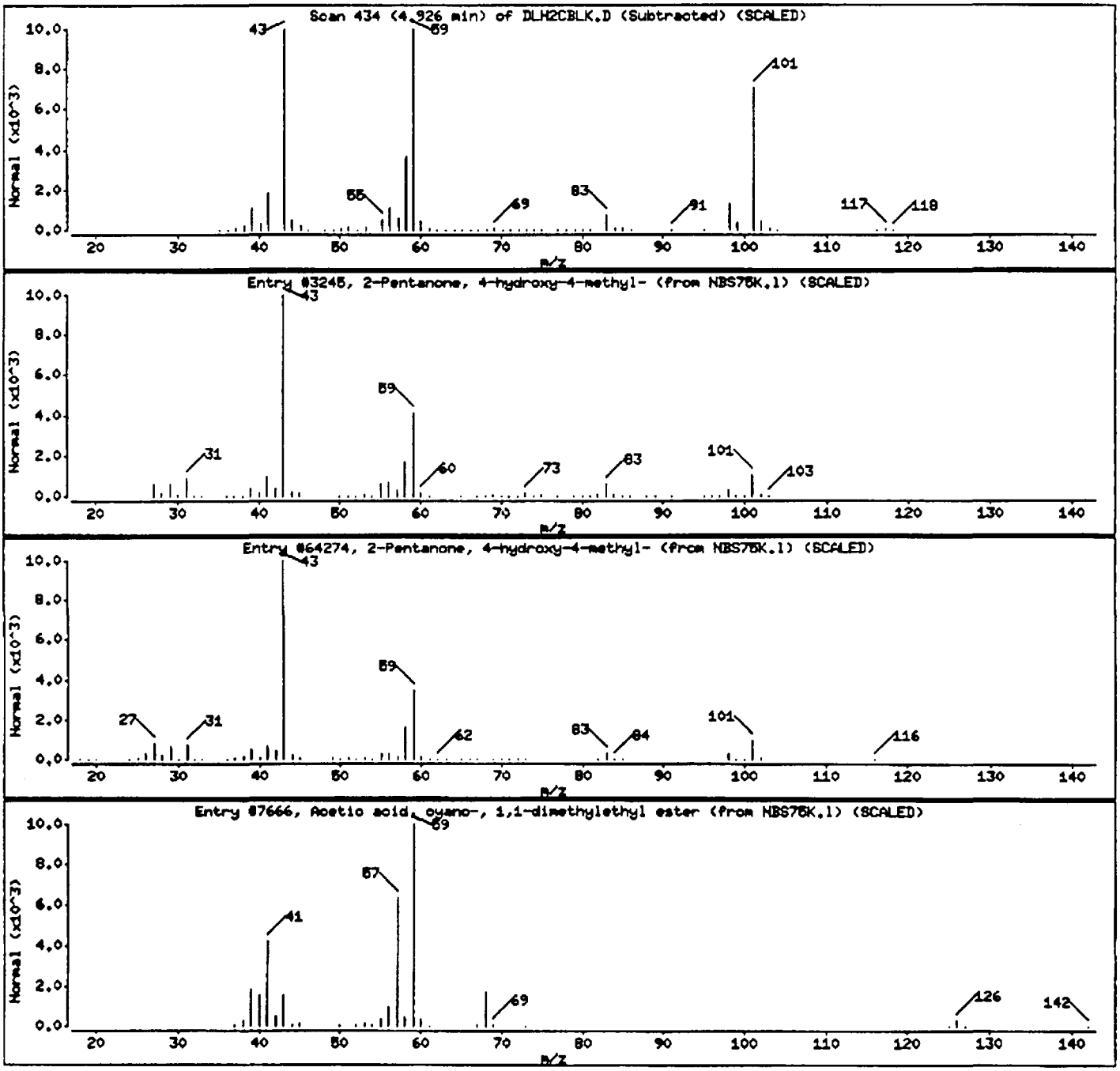
Client ID: INTRA-LAB BLANK Instrument: a4hp8.i

Sample Info: dlh2c101,01016a.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	3245	78	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	45	C6H12O2	116
Acetic acid, cyano-, 1,1-dimethylethyl e	1116-98-9	NBS75K.l	7666	32	C7H11NO2	141



Data File: \\vcanoh05\dd\chem\HSS\a4hp8.i\01016a.b\DLH2CBLK.D

Date : 16-OCT-2000 19:06

Client ID: INTRA-LAB BLANK

Instrument: a4hp8.i

Sample Info: dlh2c101,01016a.b,olp31,1-olp90.sub

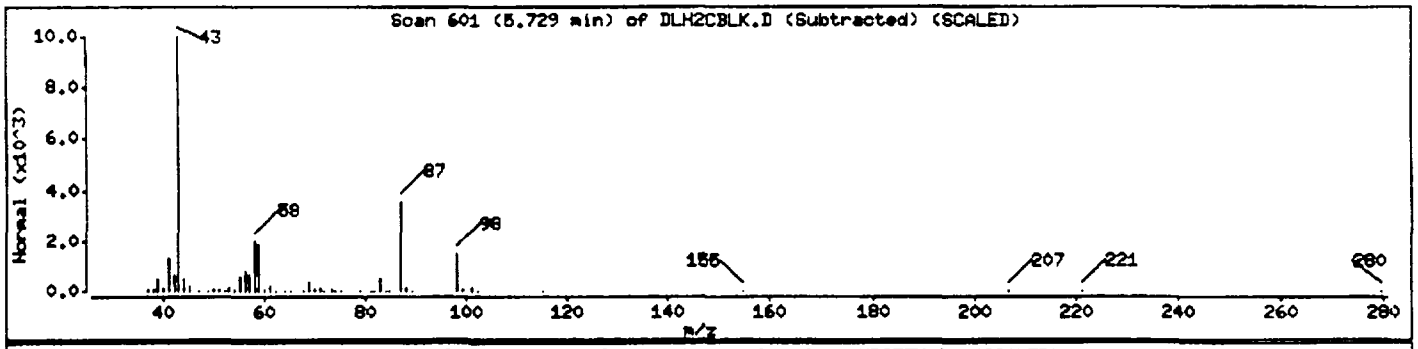
Volume Injected (uL): 2.0

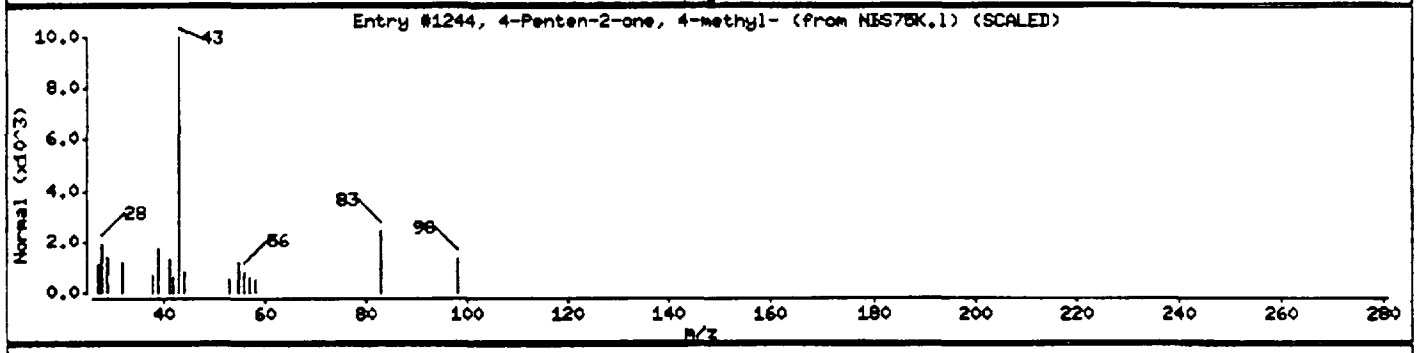
Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Penten-2-one, 4-methyl-	3744-02-3	NBS75K.l	1244	10	C6H10O	98





Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\DLH2CBLK.D

Date : 16-OCT-2001 19:06

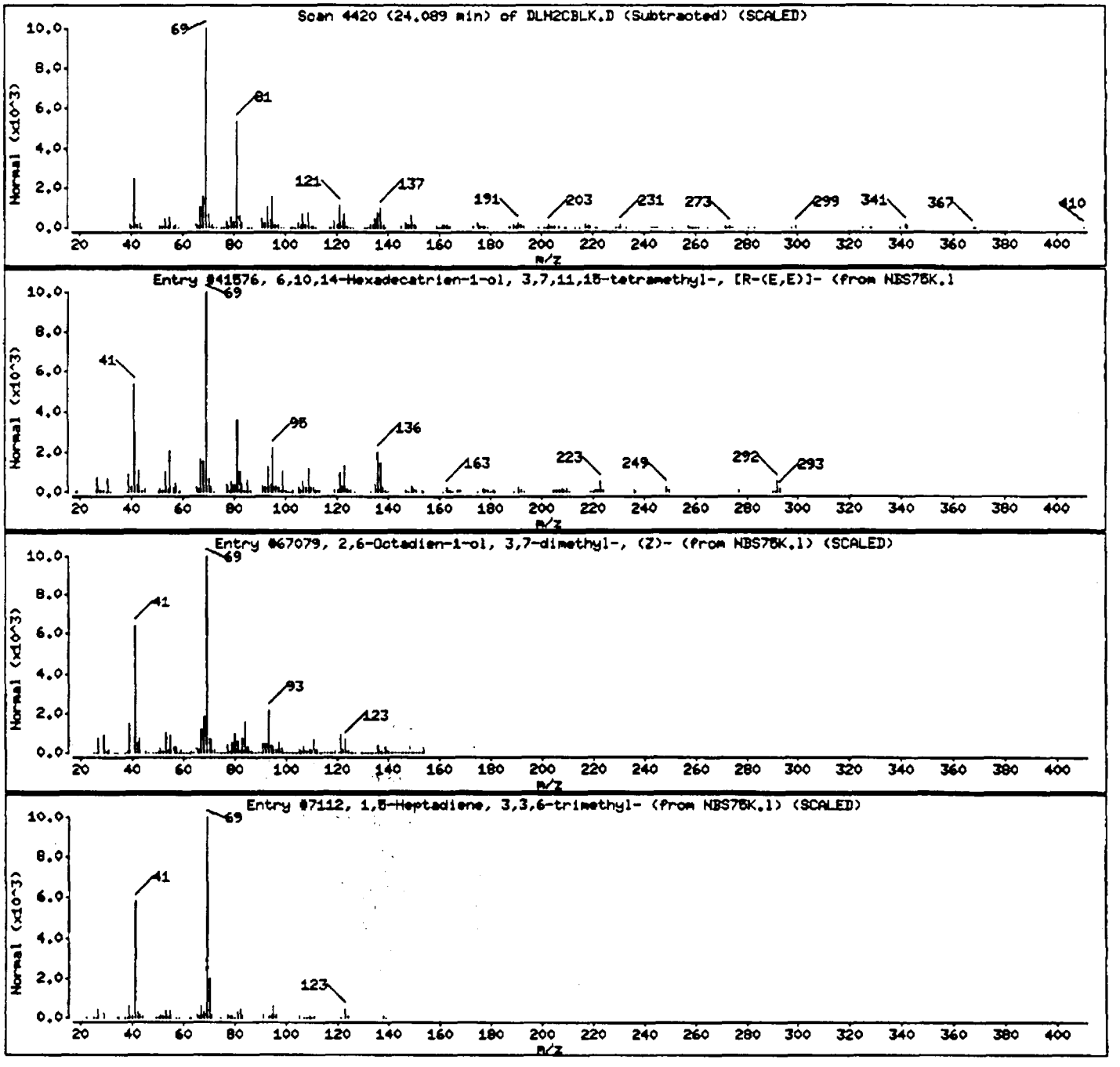
Client ID: INTRA-LAB BLANK Instrument: a4hp8.i

Sample Info: dlh2o101,01016a.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						
6,10,14-Hexadecatrien-1-ol, 3,7,11,15-te	36237-66-8	NBS75K.l	41576	86	C20H36O	292
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	106-25-2	NBS75K.l	67079	83	C10H18O	154
1,5-Heptadiene, 3,3,6-trimethyl-	35387-63-4	NBS75K.l	7112	80	C10H18	138



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MISCELLANEOUS DATA

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP8

DATE: 9-29-00
CASE:
SDG NO:

COLUMN TYPE: DB5-625
LENGTH: 30m
ID: 0.32 mm

ANALYSIS
40 deg. C for 1.5 min.
to 310 deg. C @ 11.5 deg. C/min
hold for 5.4 min.

FILM THICKNESS: 0.3 MICRONS F.D.= 3.0 E.T.= 31.25 I.S.# 1324 TUNE: DFTPP.U

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0929	SV 2351	50NG DFTPP STD	–	OK	(17:11)	MU
8SM0929	SV 2327	80NG CLP STD	–	OK	Cal Std Checked by:	
8SL0929	SV 2325	20NG CLP STD	–	OK		
8SH0929	SV 2329	160NG CLP STD	–	OK	CLP 3.1	
8SMH0929	SV 2328	120NG CLP STD	–	OK	I.Co.1	
8SML0929	SV 2326	50NG CLP STD	–	OK		

MU
9-29-00

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Pg. 039

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP8

DATE: 9-29-00
CASE:
SDG NO: I 01248

COLUMN TYPE: DBS.625

ANALYSIS 40 deg. C for 1.5 min.

LENGTH: 30 m

to 320 deg. C @ 11.5 deg. C/min

ID: 0.32 mm

hold for 5.4 min.

FILM THICKNESS: 0.5 MICRONS F.D.= 3.0 E.T.= 31.25 I.S.# 2308 TUNE: DFTPP.U

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0929D	SV2326	50NG DFTPP STD	—	OK	(20:17)	MU
8SML0929	SV2326	50NG CLP STD	—	OK	Cal Std Checked by: [illegible]	
DJVT3BLK	DJVT3101	9-6 30g → 0.5ml	St	OK	CLP3.1	
DL4QABLK	DL4QA101	9-27 30g → 0.5ml	"	OK		
SL504	DJRND10U	9-6 30g → 0.5ml	"	OK		
SL514	DJRNK10U	9-6 30g → 0.5ml	"	OKREXT	SS<10%	
SL526	DJRNM10U	9-6 30g → 0.5ml	"	OK		
SL524	DJRNN10U	9-6 30g → 0.5ml	"	OK		
SL536	DJRNQ10U	9-6 30g → 0.5ml	"	OKREXT	SS<10%	
SL556	DJRP710U	9-6 30g → 0.5ml	"	OKREXT	SS<10%	
SL506	DJRN410U	9-6 30g → 0.5ml	"	OK		
SL516	DJRNG10U	9-6 30g → 0.5ml	"	OKREXT	SS<10%	
SL546	DJRP010U	9-6 30g → 0.5ml	"	OKRetON	50/100	
SL516RE	DJRNG20U	9-27 30g → 0.5ml	"	OKREXT	poor correlation	
SL514RE	DJRNK20U	9-27 30g → 0.5ml	"	OK		
SL536RE	DJRNQ20U	9-27 30g → 0.5ml	"	OK		
SL556RE	DJRP720U	9-27 30g → 0.5ml	"	OK		
				MU 9-29-00		

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Pg. 040

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP8

DATE: 9-30-00
CASE:
SDG NO: I02148

COLUMN
TYPE: DB5.625

ANALYSIS
40 deg. C for 1.5 min.

LENGTH: 30m

to 320 deg. C @ 11.5 deg. C/min

ID: 0.32mm

hold for 5.40 min.

FILM THICKNESS: 0.5 MICRONS F.D.= 3.0 E.T.= 31.25 I.S.# 2331 TUNE: DFTPP.U

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0930B	SV 2351	50NG DFTPP STD	—	OK	(12:15)	MU
8SML0930	SV 2326	50NG CLP STD	—	OK	Cal Std Checked by: [illegible]	
SL546R	DJRP020U	9-6 30g → 0.5ml	50/100	OK	QP 3.1	

MU
9-30-00

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Pg. 042

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8

DATE: 10-16-00
CASE:
SDG NO: I 01248

COLUMN
TYPE: DB5.625

ANALYSIS
40 deg. C for 1.5 min.

LENGTH: 30m

to 320 deg. C @ 11.5 deg. C/min

ID: 0.32 mm

hold for 4.2 min.

FILM THICKNESS: 0.5 MICRONS F.D.= 2.75 E.T.= 30.0 I.S.# 2365 TUNE: DFTPP.U

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF1016	SV2351	50NG DFTPP STD	–	OK	(18 03)	MU
8SML1016	SV2326	50NG CLP STD	–	OK	Cal Std Checked by: [illegible]	
DLH2CBLK	DLH2C101	10-4 30g → 0.5ml	St	OK	CLP 3.1	
SL516RE	DJRNG30U	10-4 16.3g → 0.5ml	"	OK		

MU
10-16-00

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Pg-062

10/17/00 08:29:36 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
A01010248	1		DJRN410U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	2		DJRND10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/29/00	Mark Ulman
A01010248	3		DJRNG10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	3		DJRNG20U	MSSCLP31	9/27/00	Nathan Pietras	9/28/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	3		DJRNG30U	MSSCLP31	10/04/00	Eric Miller	10/10/00	Doug Klingenburg	10/16/00	Mark Ulman
A01010248	4		DJRNK10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/29/00	Mark Ulman
A01010248	4		DJRNK20U	MSSCLP31	9/27/00	Nathan Pietras	9/28/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	5		DJRNM10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/29/00	Mark Ulman
A01010248	6		DJRNN10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	7		DJRNQ10U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	7		DJRNQ20U	MSSCLP31	9/27/00	Nathan Pietras	9/28/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	8		DJRP010U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	8		DJRP020U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	9		DJRP710U	MSSCLP31	9/06/00	Eric Miller	9/10/00	Doug Klingenburg	9/30/00	Mark Ulman
A01010248	9		DJRP720U	MSSCLP31	9/27/00	Nathan Pietras	9/28/00	Doug Klingenburg	9/30/00	Mark Ulman

*** END OF REPORT ***

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PESTICIDE DATA

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QC SUMMARY DATA

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

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	13*	11*	59	60			2
02	SL55-6DL	0D	22D	0D	108			0
03	SL55-6	18D	19D	94	81			0
04	SL54-6DL	0D	15D	0D	80			0
05	SL54-6	22D	14D	82	71			0
06	SL50-6DL	0D	0D	0D	119			0
07	SL50-6	0D	19D	0D	192D			0
08	SL53-6DL	26D	16D	189D	91			0
09	SL53-6	26D	14D	151D	74			0
10	SL52-4	19D	17D	75	526D			0
11	SL51-6DL	24D	14D	83	60			0
12	SL51-6	22D	14D	96	76			0
13	SL50-4	18D	15D	88	88			0
14	SL52-6DL	24D	17D	93	79			0
15	SL52-6	22*	15*	89	78			2
16	SL51-4	19*	17*	72	77			2
17	PBLANK2	87	82	91	87			0
18	SL54-6RE	82	80	93	88			0
19	SL50-6REDL	0D	125	0D	0D			0
20	SL50-6RE	103	95	0D	145			0
21	SL53-6REDL	87	165D	208D	191D			0
22	SL53-6RE	89	82	220D	101			0
23	SL52-4RE	182D	5D	179D	0D			0
24	SL52-6REDL	207D	336D	162D	1			0
25	SL52-6RE	267D	4D	144	5D			0
26	SL51-4RE	171D	2D	181D	1D			0
27	SL51-6RE	233D	0D	175D	33D			0
28	SL51-6REDL	0D	154D	0D	322D			0
29	SL50-4RE	191D	164D	212D	190D			0
30	SL55-6RE	171D	155D	189D	209D			0

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLANK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab Sample ID: DJVRW101 Lab File ID: 006F0601

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

Sulfur Cleanup (Y/N) N Date Extracted: 09/06/00

Date Analyzed (1): 09/21/00 Date Analyzed (2): 09/21/00

Time Analyzed (1): 0228 Time Analyzed (2): 0228

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

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	SL55-6DL	DJRP7101	09/21/00	09/21/00
02	SL55-6	DJRP7101	09/21/00	09/21/00
03	SL54-6DL	DJRP0101	09/21/00	09/21/00
04	SL54-6	DJRP0101	09/21/00	09/21/00
05	SL50-6DL	DJRN4101	09/21/00	09/21/00
06	SL50-6	DJRN4101	09/21/00	09/21/00
07	SL53-6DL	DJRNQ101	09/21/00	09/21/00
08	SL53-6	DJRNQ101	09/21/00	09/21/00
09	SL52-4	DJRNN101	09/21/00	09/21/00
10	SL51-6DL	DJRNG101	09/21/00	09/21/00
11	SL51-6	DJRNG101	09/21/00	09/21/00
12	SL50-4	DJRND101	09/21/00	09/21/00
13	SL52-6DL	DJRNM101	09/21/00	09/21/00
14	SL52-6	DJRNM101	09/21/00	09/21/00
15	SL51-4	DJRNK101	09/21/00	09/21/00
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLANK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab Sample ID: DKQ3E101 Lab File ID: 023F2101

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

Sulfur Cleanup (Y/N) N Date Extracted: 09/21/00

Date Analyzed (1): 10/04/00 Date Analyzed (2): 10/04/00

Time Analyzed (1): 0203 Time Analyzed (2): 0203

Instrument ID (1): A2HP4 Instrument ID (2): A2HP4

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	SL54-6RE	DJRP0201	10/04/00	10/04/00
02	SL50-6REDL	DJRN4201	10/04/00	10/04/00
03	SL50-6RE	DJRN4201	10/04/00	10/04/00
04	SL53-6REDL	DJRNQ201	10/04/00	10/04/00
05	SL53-6RE	DJRNQ201	10/04/00	10/04/00
06	SL52-4RE	DJRNN201	10/13/00	10/13/00
07	SL52-6REDL	DJRNM201	10/13/00	10/13/00
08	SL52-6RE	DJRNM201	10/13/00	10/13/00
09	SL51-4RE	DJRNK201	10/13/00	10/13/00
10	SL51-6RE	DJRNG201	10/13/00	10/13/00
11	SL51-6REDL	DJRNG201	10/17/00	10/17/00
12	SL50-4RE	DJRND201	10/17/00	10/17/00
13	SL55-6RE	DJRP7201	10/17/00	10/17/00
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

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SAMPLE DATA

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-4

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRND101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 021F2101

% Moisture: 22 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	54	
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	430	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

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/021f2101.d
Lab Smp Id: DJRND101 Client Smp ID: SL50-4
Inj Date : 21-SEP-2000 10:33
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRND101,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 21
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.07000	Weight of sample extracted (g)
M	22.29300	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	181087	0.00146	3.1	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	613942	0.00509	11	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	3937155	0.02607	56	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	727979	0.00708	15	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/021f2101.d

Date : 21-SEP-2000 10:33

Client ID: SL50-4

Sample Info: DJRND101,5

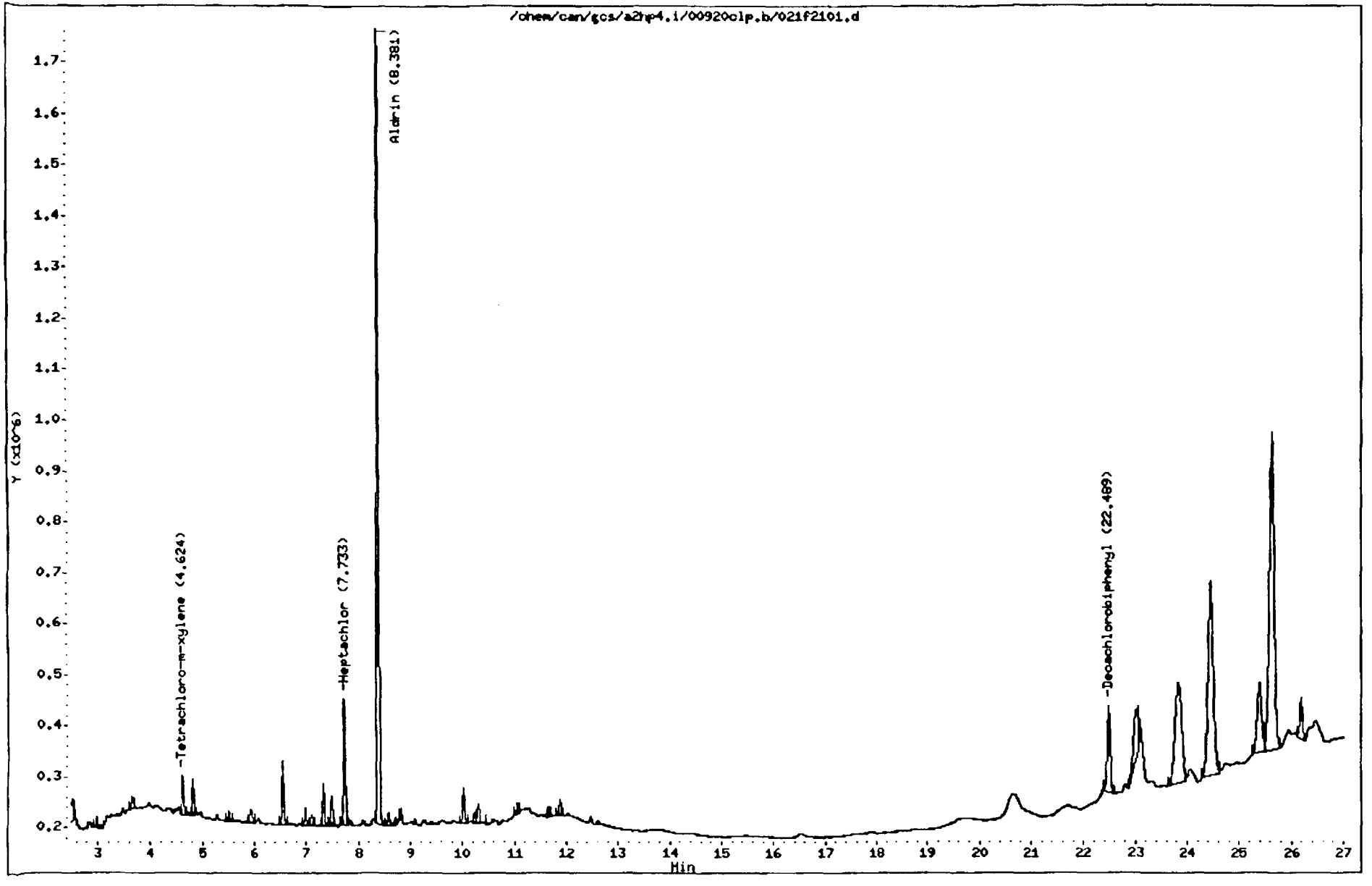
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/021f2101.d
Lab Smp Id: DJRND101 Client Smp ID: SL50-4
Inj Date : 21-SEP-2000 10:33
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRND101,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 21
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.07000	Weigth of sample extracted (g)
M	22.29300	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	165541	0.00123	2.6	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	4111139	0.02550	54	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	665178	0.00704	15	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/021f2101.d

Page 2

Date : 21-SEP-2000 10:33

Client ID: SL50-4

Instrument: a2hp4.i

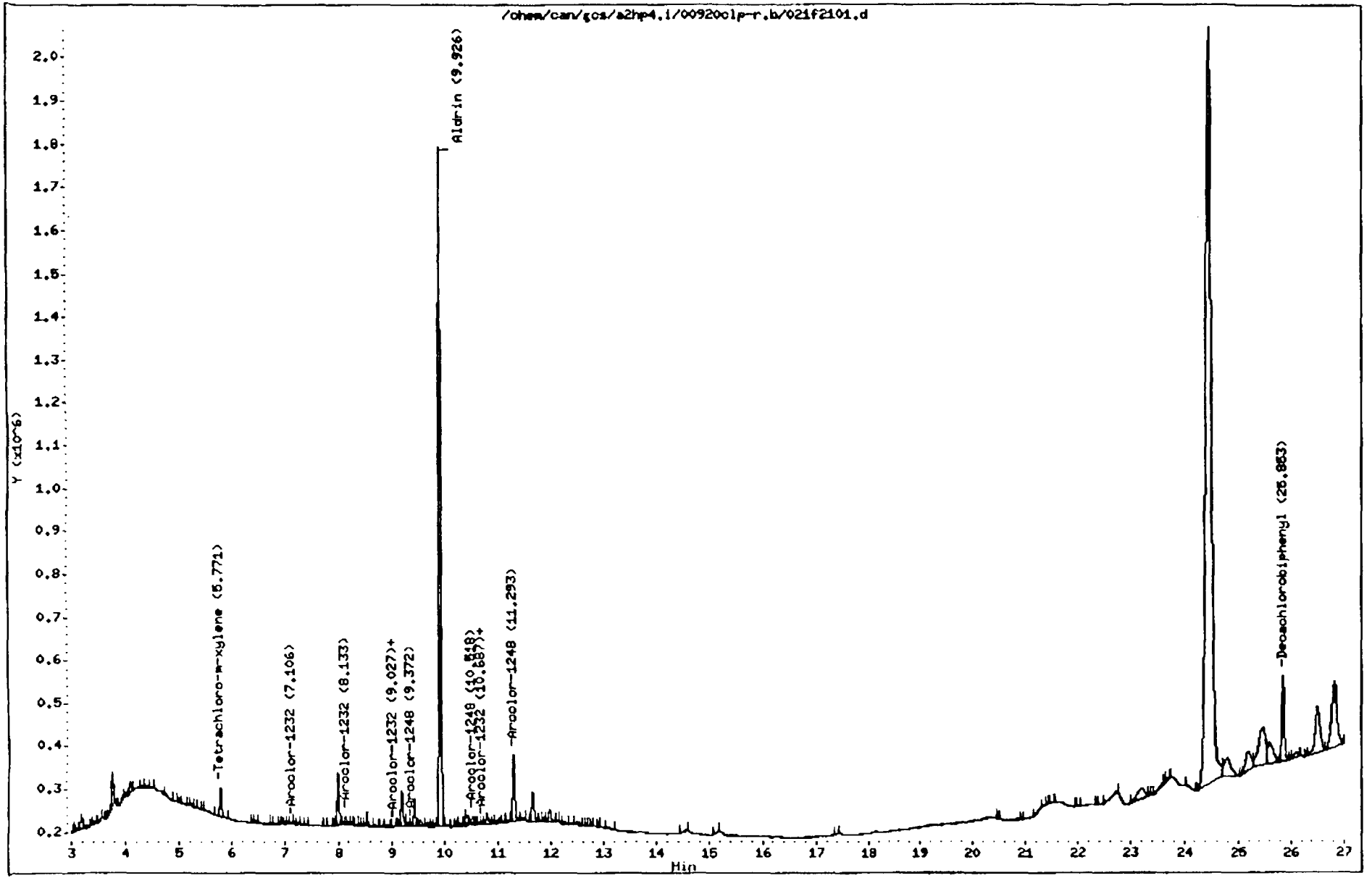
Sample Info: DJRND101,5

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-4RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRND201

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 007F0701

% Moisture: 22 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted: 09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/17/00

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/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	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	1.1	U
7421-93-4	Endrin aldehyde	4.3	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	43	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a-r.b/007f0701.d
Lab Smp Id: DJRND201 Client Smp ID: SL50-4RE
Inj Date : 17-OCT-2000 21:53
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRND201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a-r.b/clp30b.m
Meth Date : 24-Oct-2000 01:27 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.18000	Weigth of sample extracted (g)
M	22.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	4885233	0.03291	14	80.00- 120.00	100.00(R)
6 Aroclor-1232					CAS #: 11141-16-5		
6.487	6.627	-0.140	35194	0.01069	4.6	80.00- 120.00	100.00(a)
7.442	7.582	-0.140	672513	0.26999	120	57.10- 97.10	1910.87
8.454	8.594	-0.140	109428	0.02633	11	108.65- 148.65	310.93
10.024	10.164	-0.140	111408	0.06906	29	29.93- 69.93	316.55
Average of Peak Concentrations =					40		
5 Aroclor-1242					CAS #: 53469-21-9		
6.486	6.626	-0.140	35194	0.01528	6.5	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242 (continued)							
7.443	7.583	-0.140	672513	0.17284	74	148.93- 188.93	1910.87
8.454	8.594	-0.140	109428	0.01504	6.4	295.91- 335.91	310.93
9.770	9.910	-0.140	54166	0.02132	9.1	90.32- 130.32	153.91
10.668	10.808	-0.140	221218	0.07498	32	108.09- 148.09	628.57
Average of Peak Concentrations =					26		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.550	10.690	-0.140	782449	0.00495	2.1	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
12.975	13.115	-0.140	103039	0.000901	0.38	80.00- 120.00	100.00(a)
28 Endrin ketone					CAS #: 53494-70-5		
15.266	15.406	-0.140	2271952	0.01600	6.8	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	4085917	0.03794	16	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/007f0701.d

Date : 17-OCT-2000 21:53

Client ID: SL50-4RE

Sample Info: DJRND201

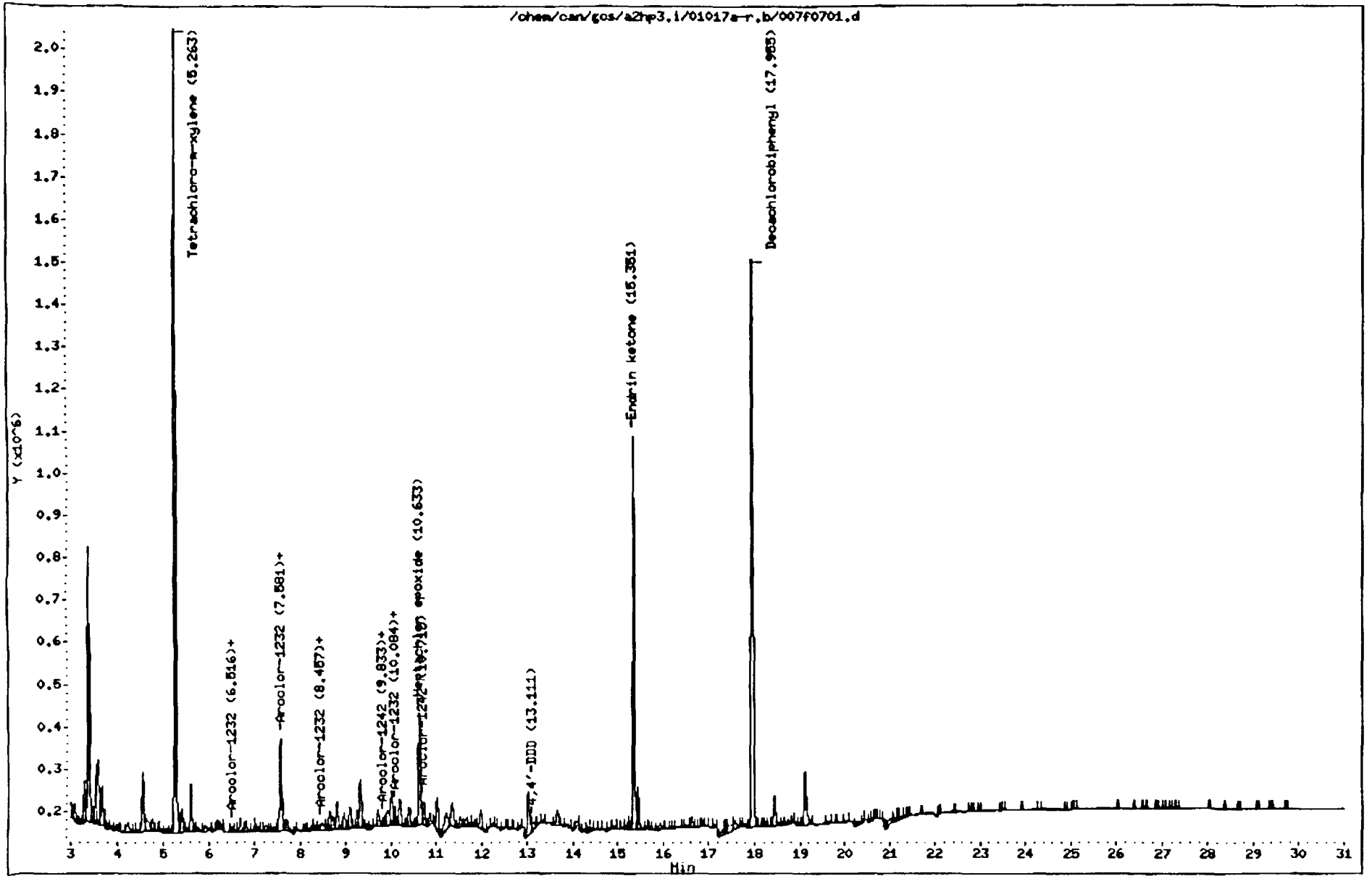
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a.b/007f0701.d
Lab Smp Id: DJRND201 Client Smp ID: SL50-4RE
Inj Date : 17-OCT-2000 21:53
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRND201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a.b/clp30a.m
Meth Date : 24-Oct-2000 01:08 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.18000	Weight of sample extracted (g)
M	22.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	6928097	0.03815	16	80.00- 120.00	100.00(R)
10 Aldrin					CAS #: 309-00-2		
7.793	7.893	-0.100	617512	0.00294	1.2	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	6376576	0.04243	18	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01017a.b/007f0701.d

Date : 17-OCT-2000 21:53

Client ID: SL50-4RE

Sample Info: DJRND201

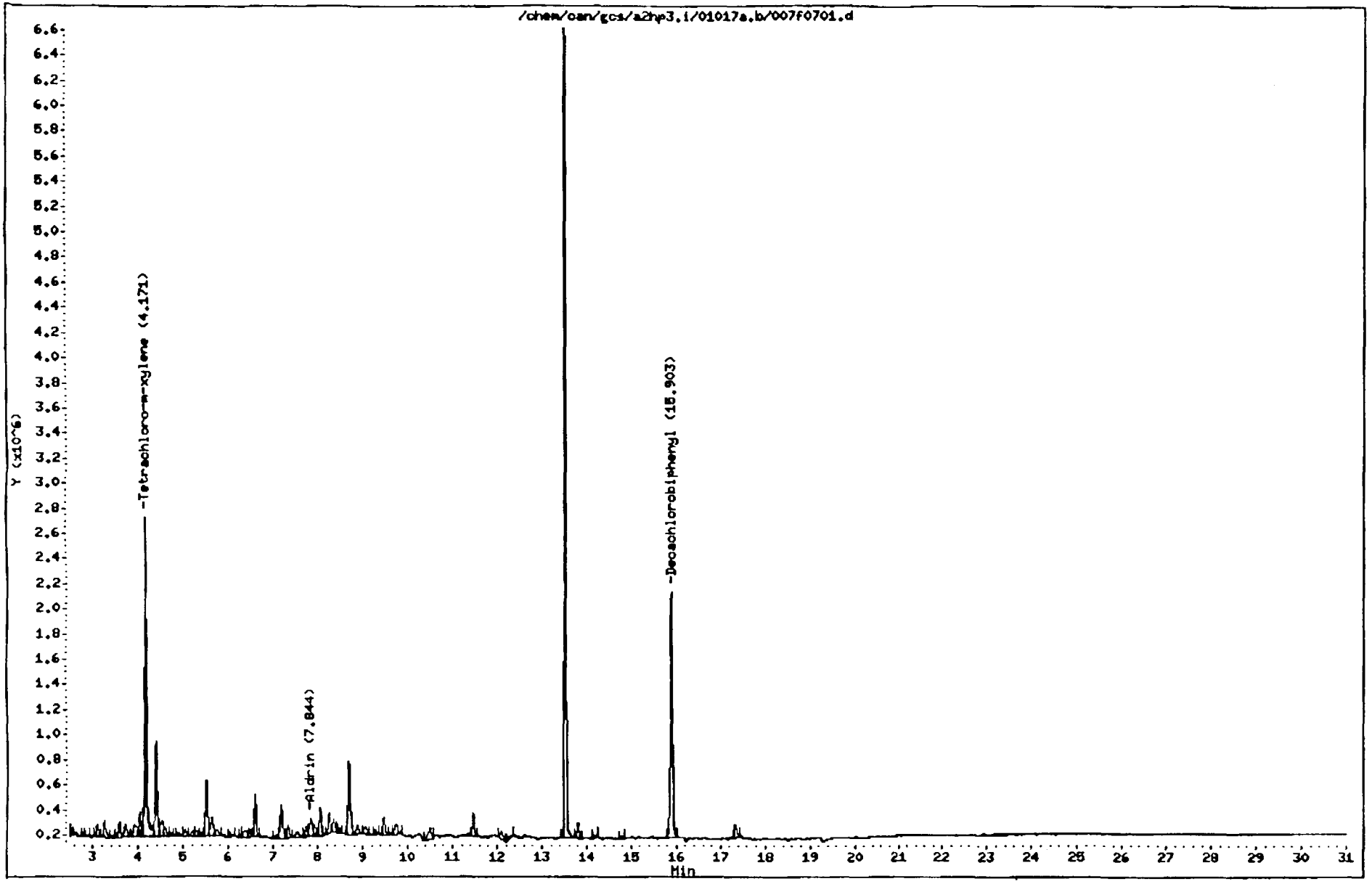
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRN4101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 012F1201

% Moisture: 24 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	160	J
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	970	C
309-00-2	Aldrin	15000	C
1024-57-3	Heptachlor epoxide	120	JP
959-98-8	Endosulfan I	220	U
60-57-1	Dieldrin	1900	C
72-55-9	4,4'-DDE	420	JC
72-20-8	Endrin	440	U
33213-65-9	Endosulfan II	440	U
72-54-8	4,4'-DDD	3200	C
1031-07-8	Endosulfan sulfate	440	U
50-29-3	4,4'-DDT	1800	C
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	1900	PC
5103-74-2	gamma-Chlordane	4600	C
8001-35-2	Toxaphene	22000	U
12674-11-2	Aroclor-1016	4400	U
11104-28-2	Aroclor-1221	8800	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

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/012f1201.d
Lab Smp Id: DJRN4101 Client Smp ID: SL50-6
Inj Date : 21-SEP-2000 05:42
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4101,100
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 12
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	100.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.15000	Weight of sample extracted (g)
M	24.23500	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	636034	0.00357	160	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	2663598	0.02208	970	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	50488491	0.33433	15000	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.279	7.379	-0.100	739762	0.00468	200	80.00- 120.00	100.00(a)

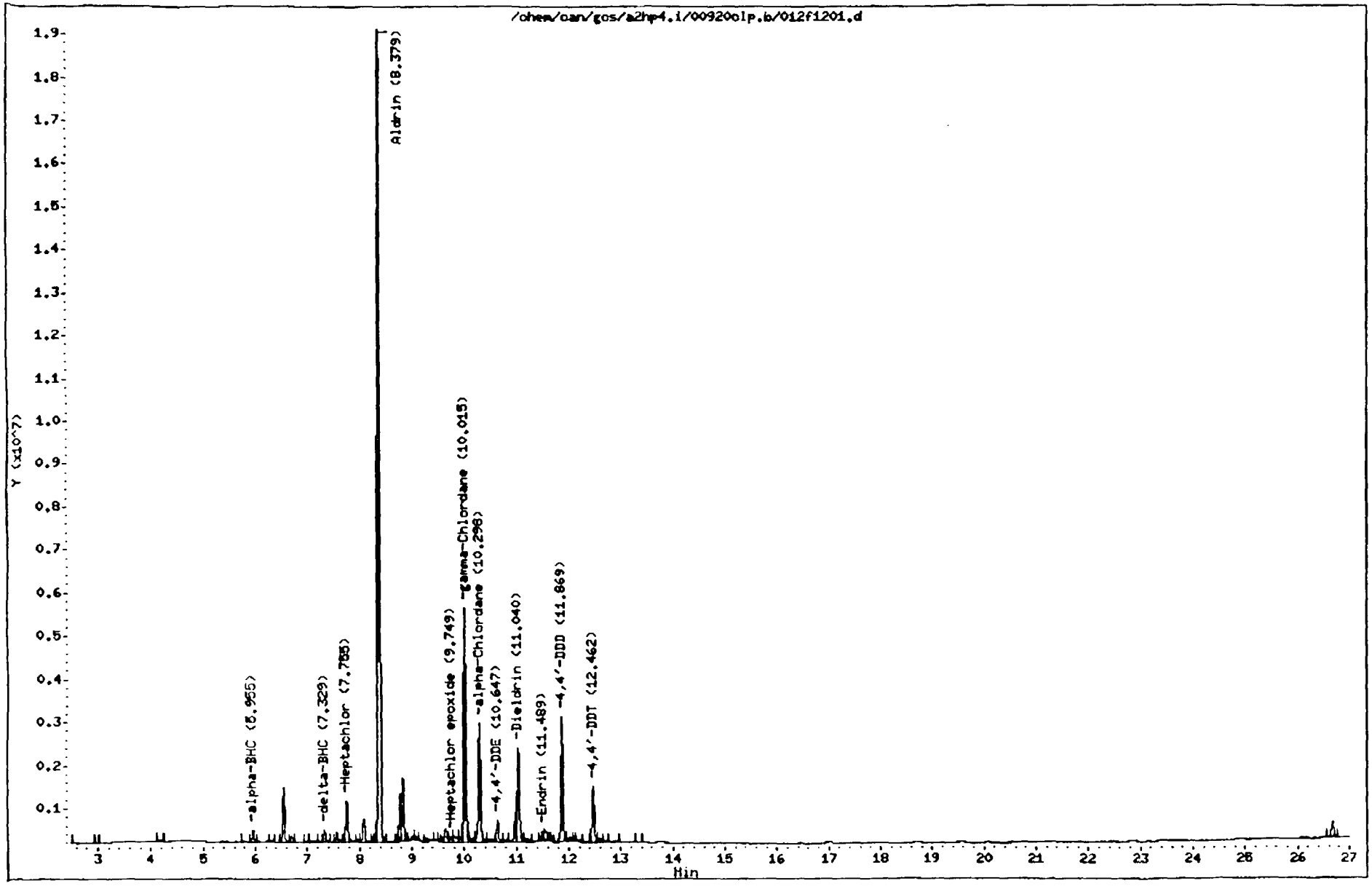
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	342738	0.00266	120	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	14409399	0.10445	4600	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	8267225	0.06105	2700	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	1362862	0.00973	420	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	6094143	0.04586	2000	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	631007	0.00628	270	80.00- 120.00	100.00(a)
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	7611088	0.07489	3300	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	4087142	0.04238	1800	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/a2hp4.i/00920clp.b/012f1201.d
Date : 21-SEP-2000 06:42
Client ID: SL50-6
Sample Info: DJRN4101,100
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/012f1201.d
Lab Smp Id: DJRN4101 Client Smp ID: SL50-6
Inj Date : 21-SEP-2000 05:42
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4101,100
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 12
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	100.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.15000	Weigth of sample extracted (g)
M	24.23500	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	10632	<0.0	3.4	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
7.344	7.444	-0.100	681184	0.00364	160	80.00- 120.00	100.00(a)
6 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	407480	0.00262	110	80.00- 120.00	100.00(a)
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	3194991	0.02531	1100	80.00- 120.00	100.00

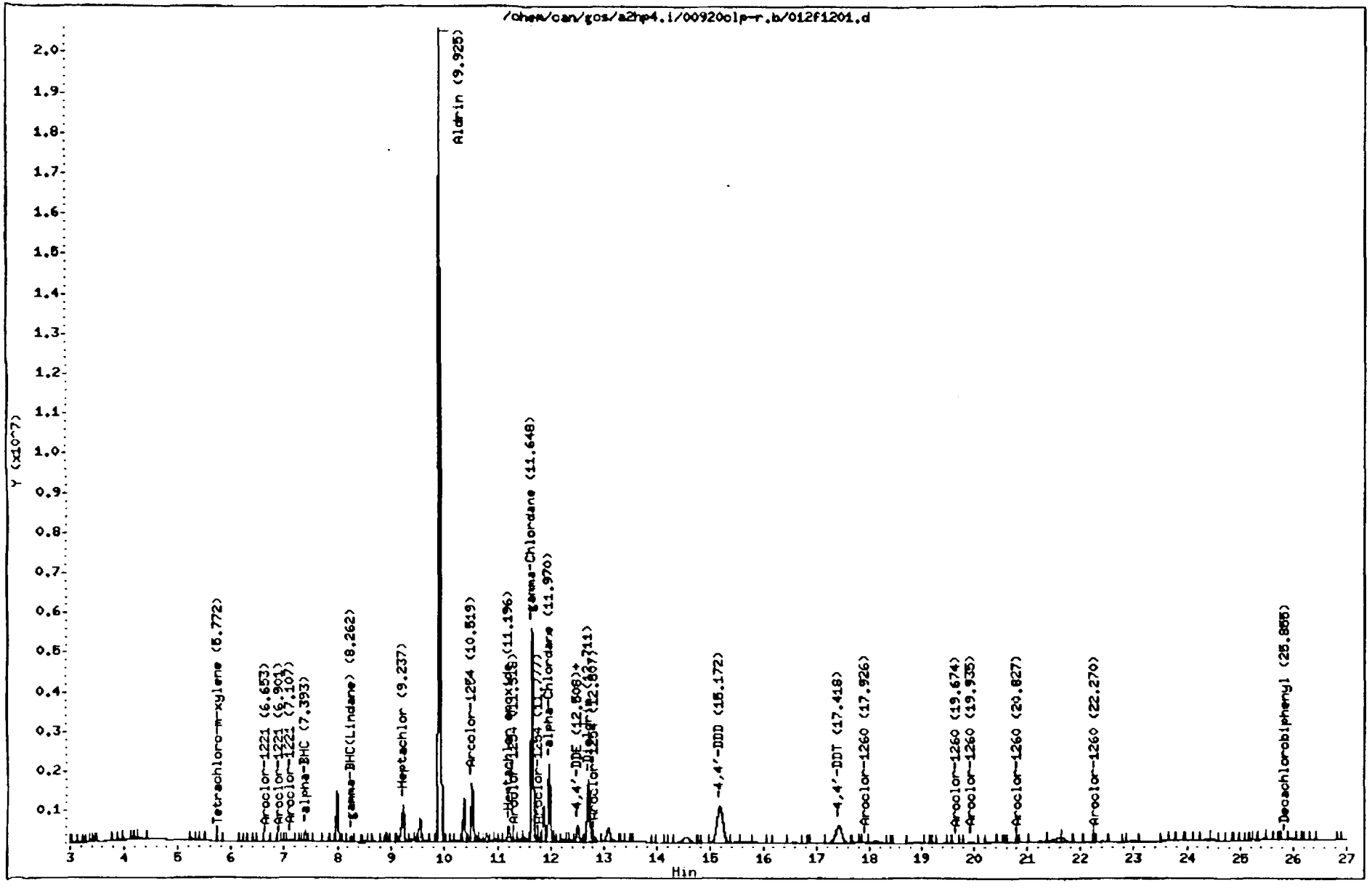
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
16 Aroclor-1254					CAS #: 11097-69-1		
10.433	10.573	-0.140	3898527	25.2022	1100000	80.00- 120.00	100.00
11.259	11.399	-0.140	121144	0.02601	1100	2991.09-3031.09	3.11
11.682	11.822	-0.140	89419	0.01624	710	3540.17-3580.17	2.29
12.422	12.562	-0.140	1479259	0.38898	17000	2438.29-2478.29	37.94
12.739	12.879	-0.140	563886	0.07705	3400	4710.89-4750.89	14.46
Average of Peak Concentrations =					220000		
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	54685491	0.33925	15000	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	1385580	0.01033	450	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	14703933	0.10631	4600	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	6018567	0.04376	1900	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	5774001	0.04255	1900	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	1479259	0.01036	450	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	7280750	0.07334	3200	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	3768421	0.04173	1800	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	72674	0.000769	34	80.00- 120.00	100.00(R)

QC Flag Legend

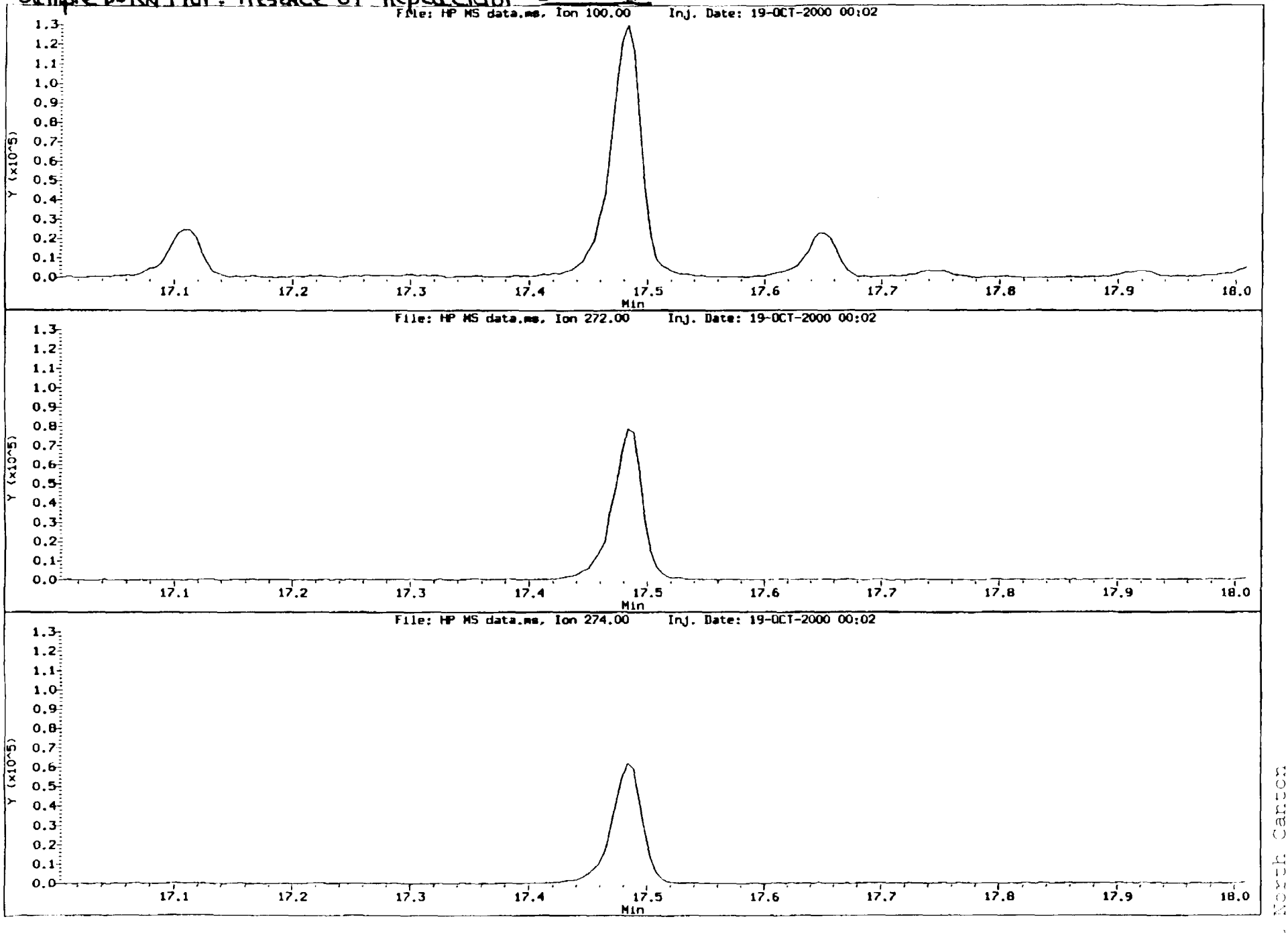
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/can/gcs/a2hp4.i/00920olp-r.b/012f1201.d
Date : 21-SEP-2000 05:42
Client ID: SL50-6
Sample Info: DJRN4101,100
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53

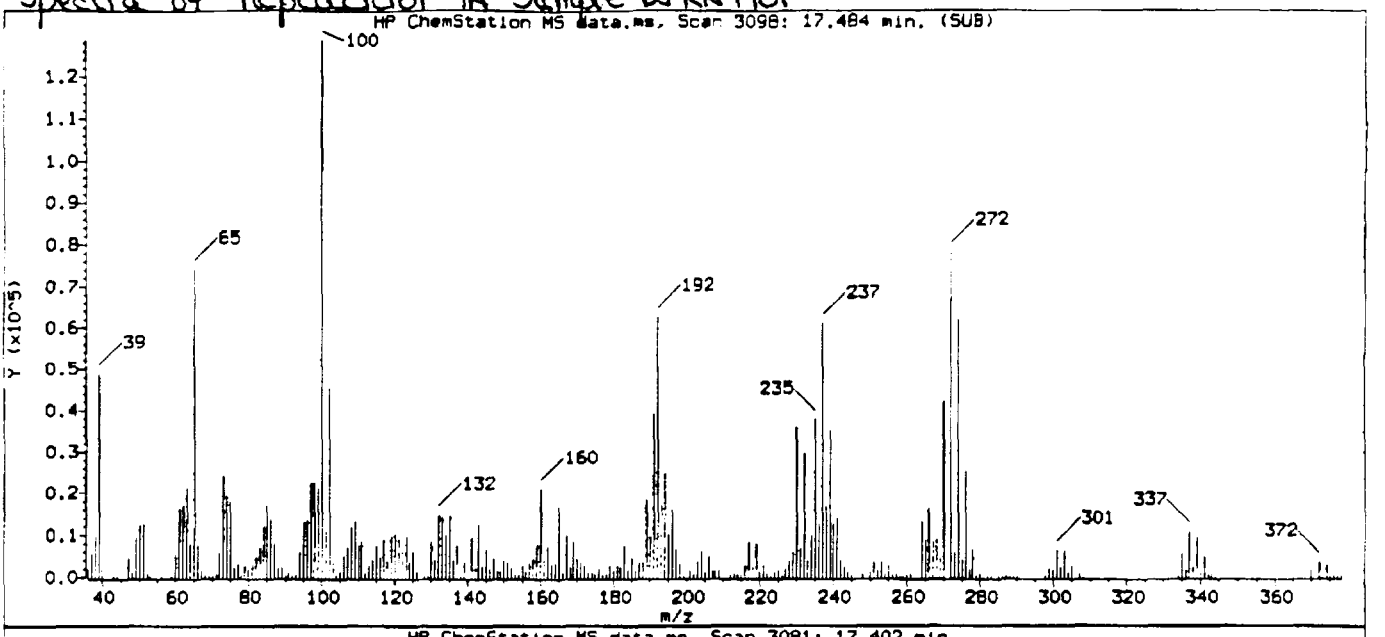


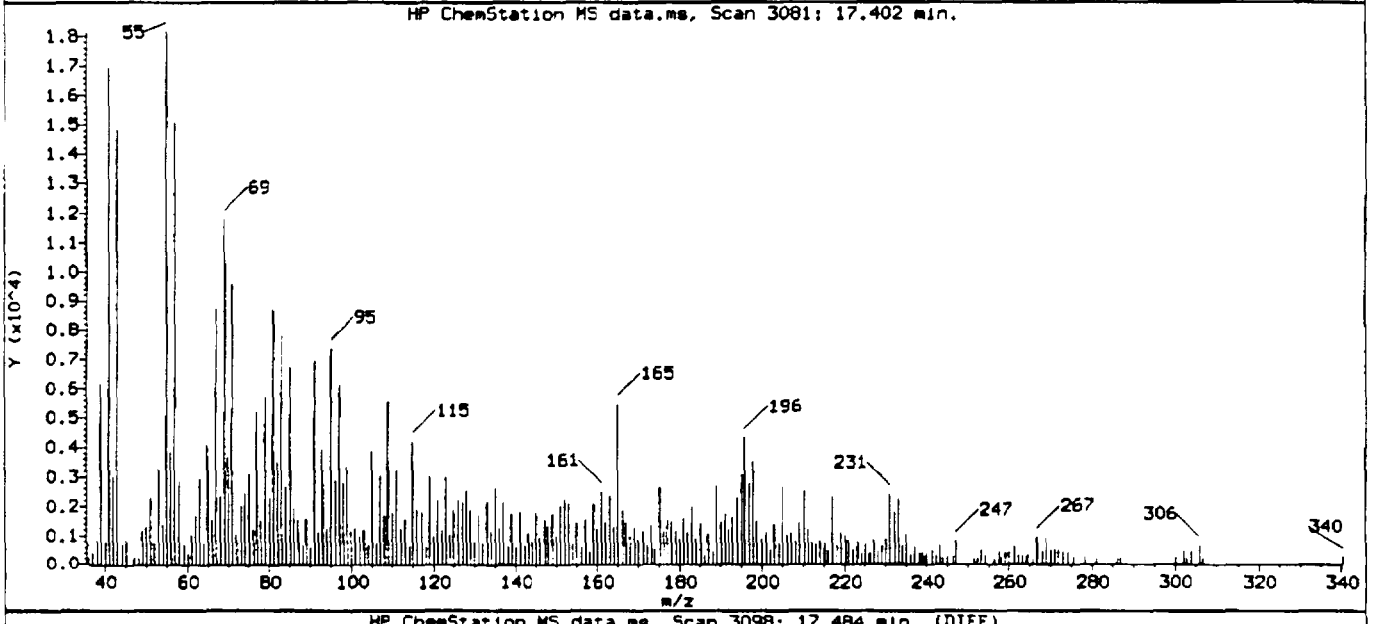
Sample DJRN4 101 : Presence of heptachlor Confirmed.

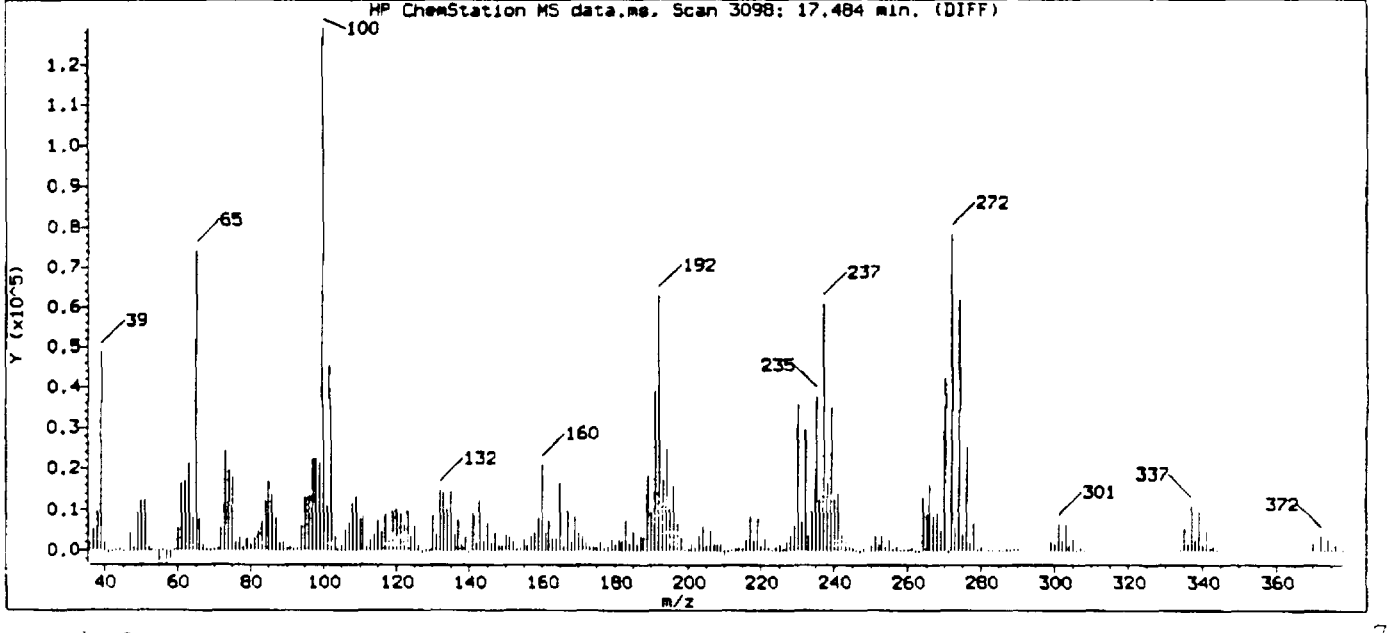


STL North Canton

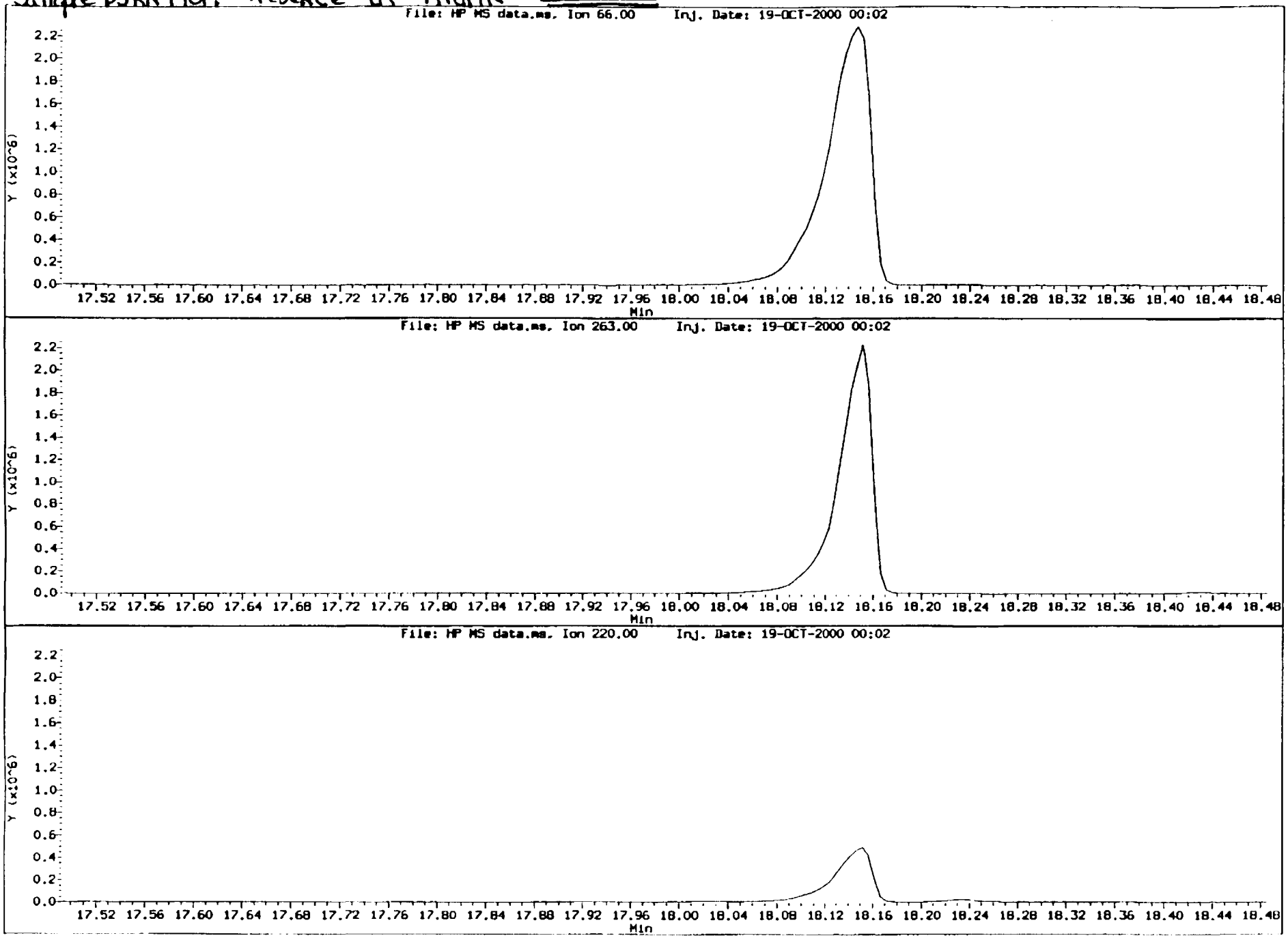
Spectra of heptachlor in Sample DJRN4101



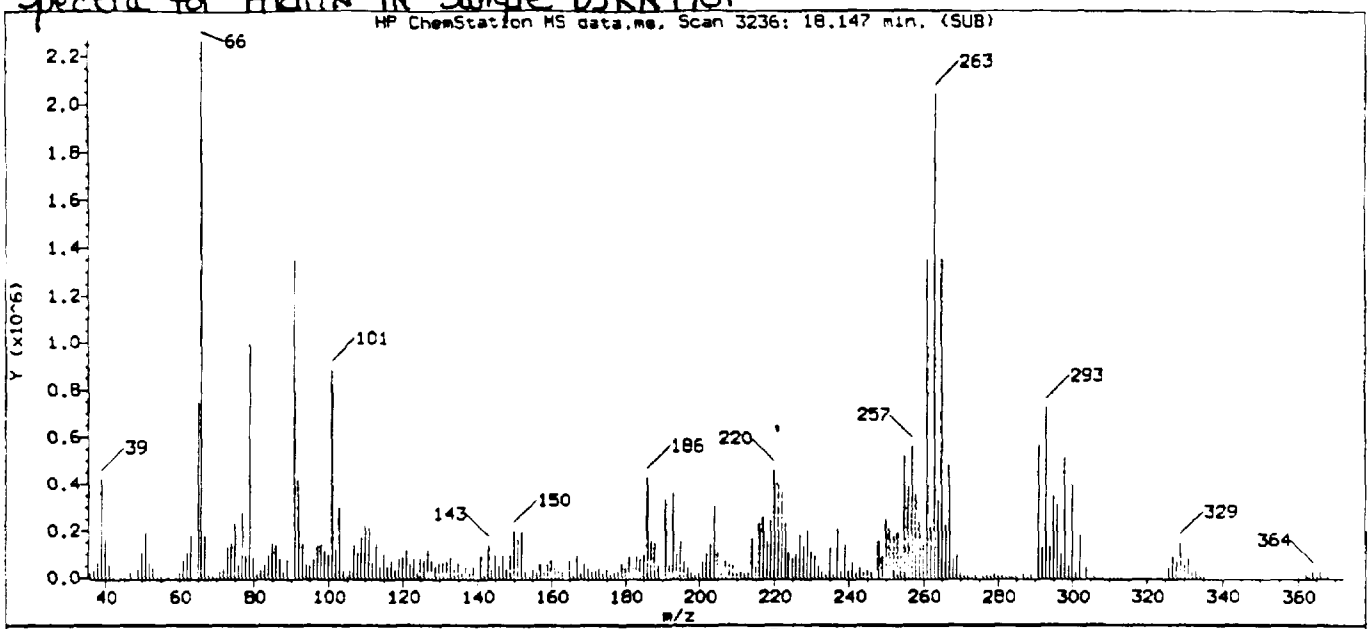


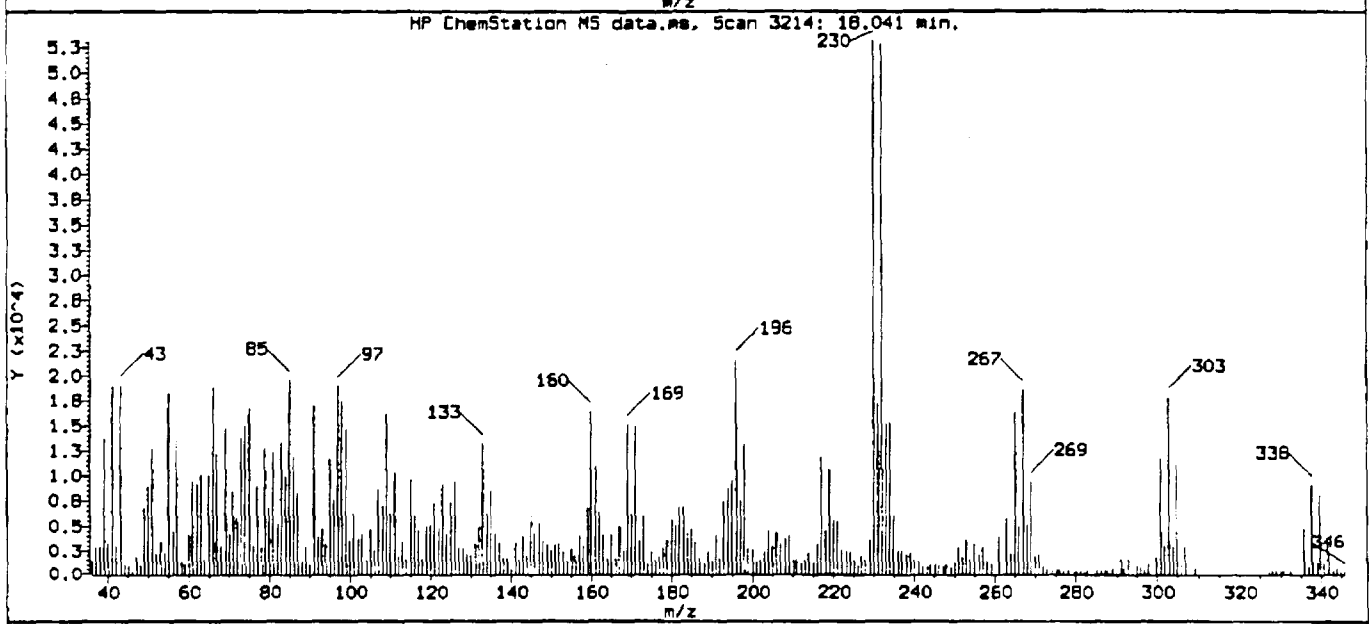


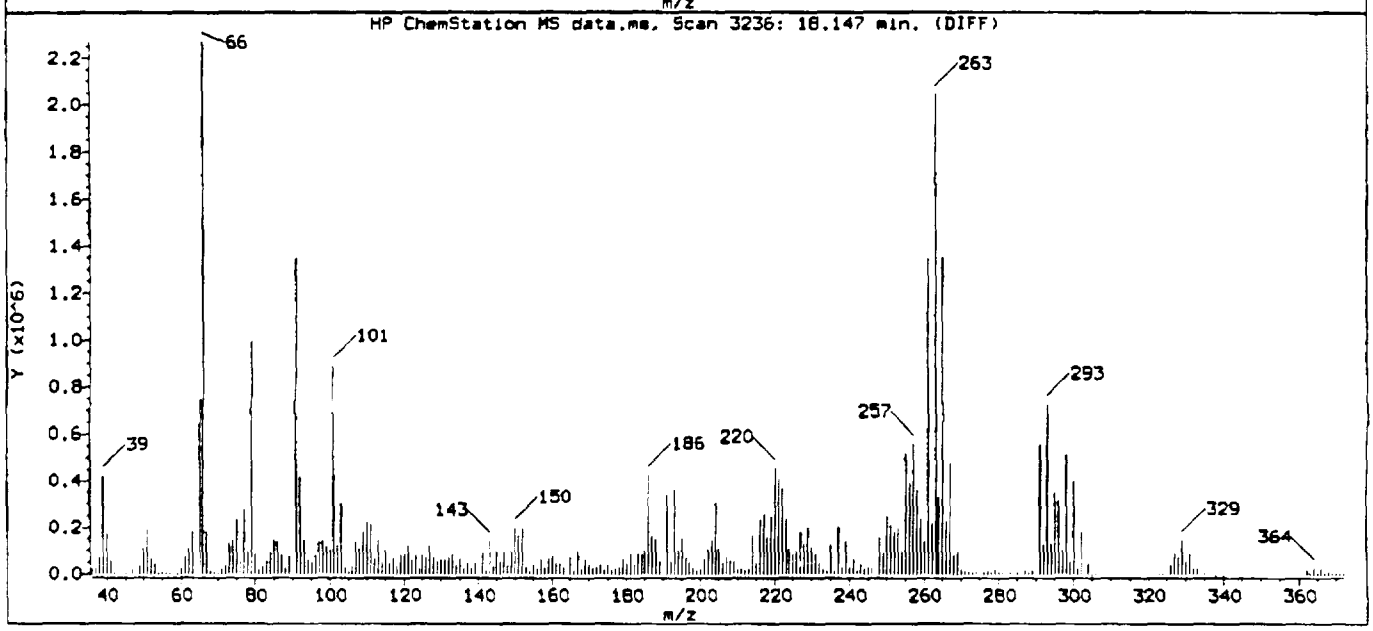
Sample DJRN4101: Presence of Aldrin Confirmed.



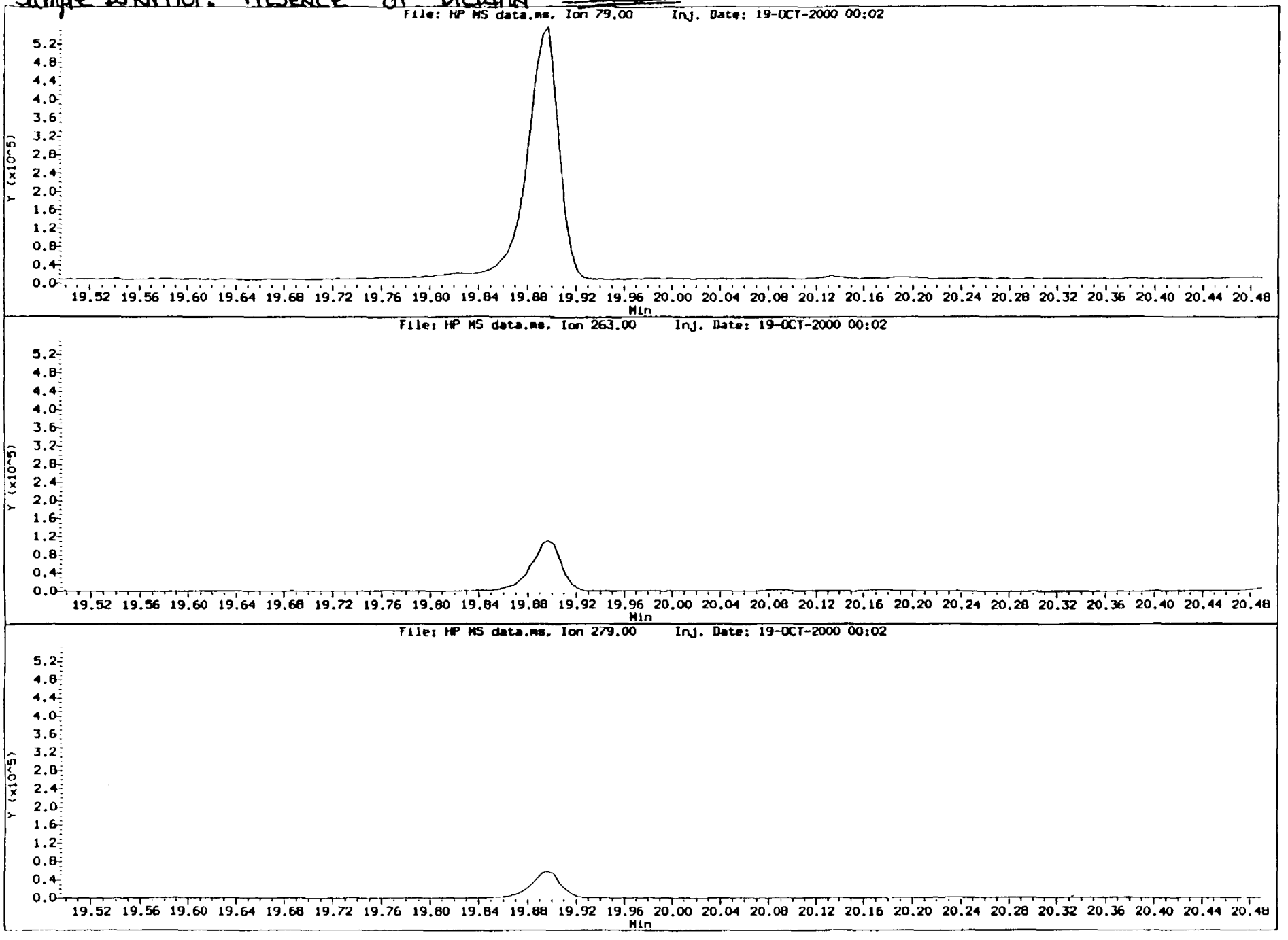
Spectra for Aldrin in Sample DJRN4101



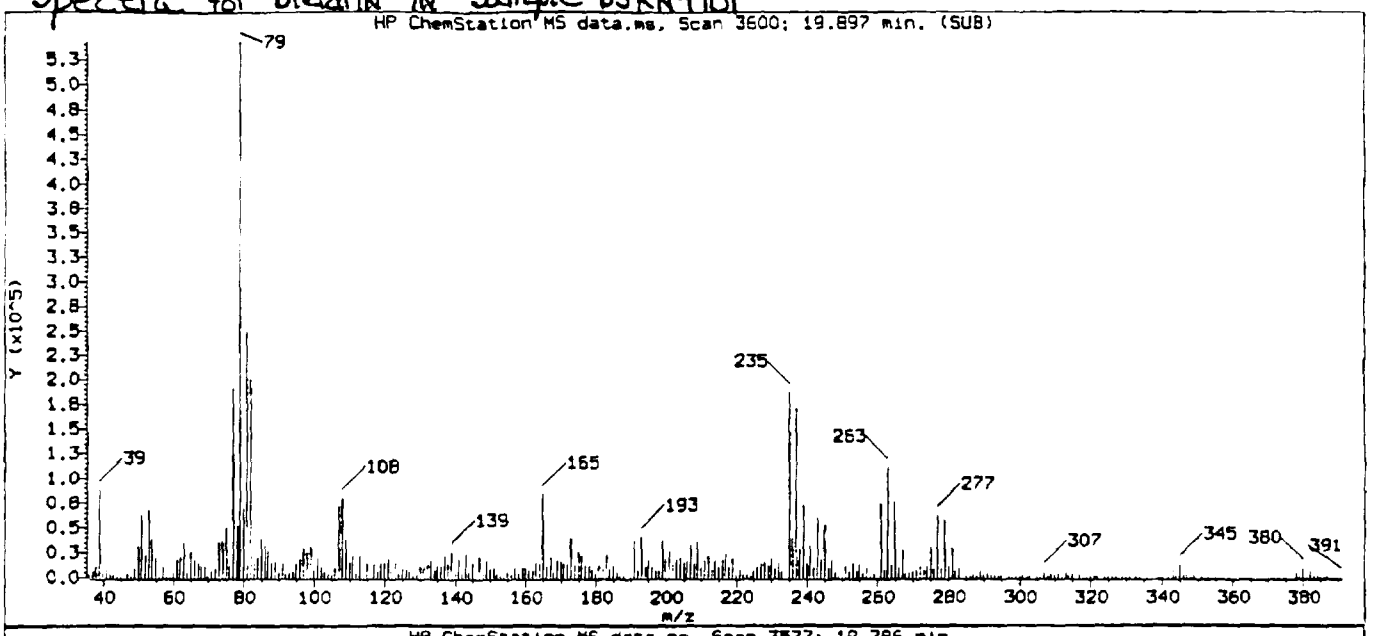


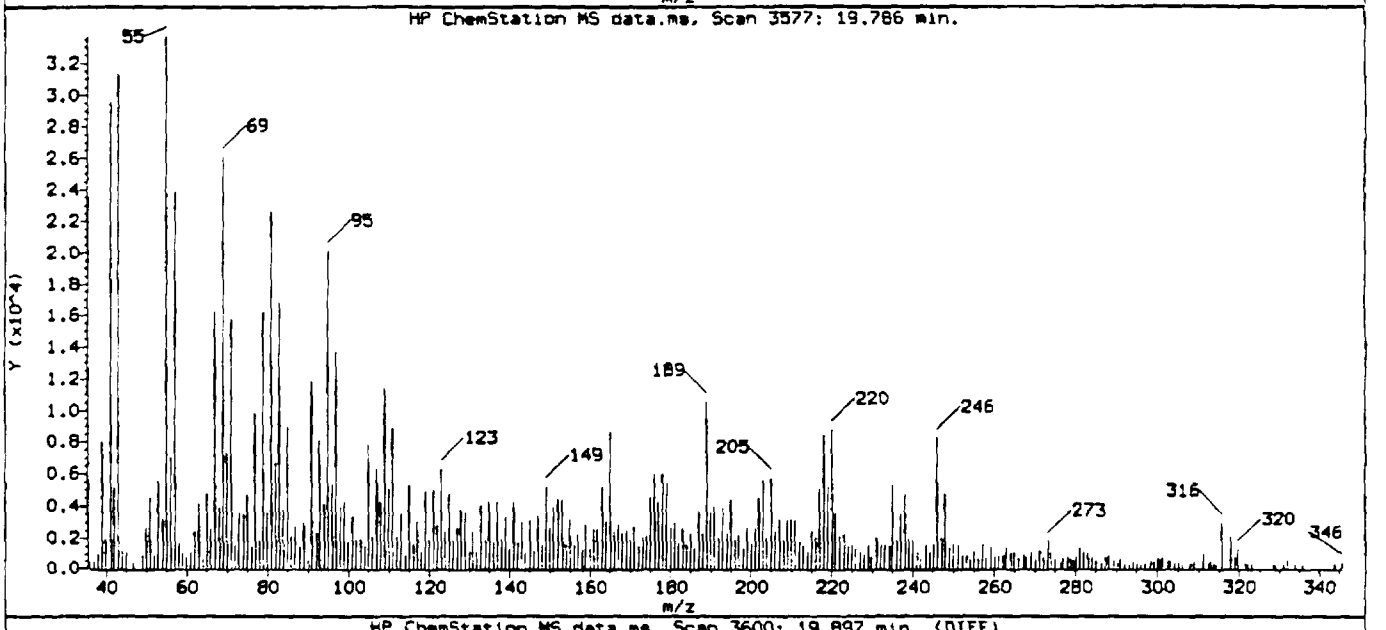


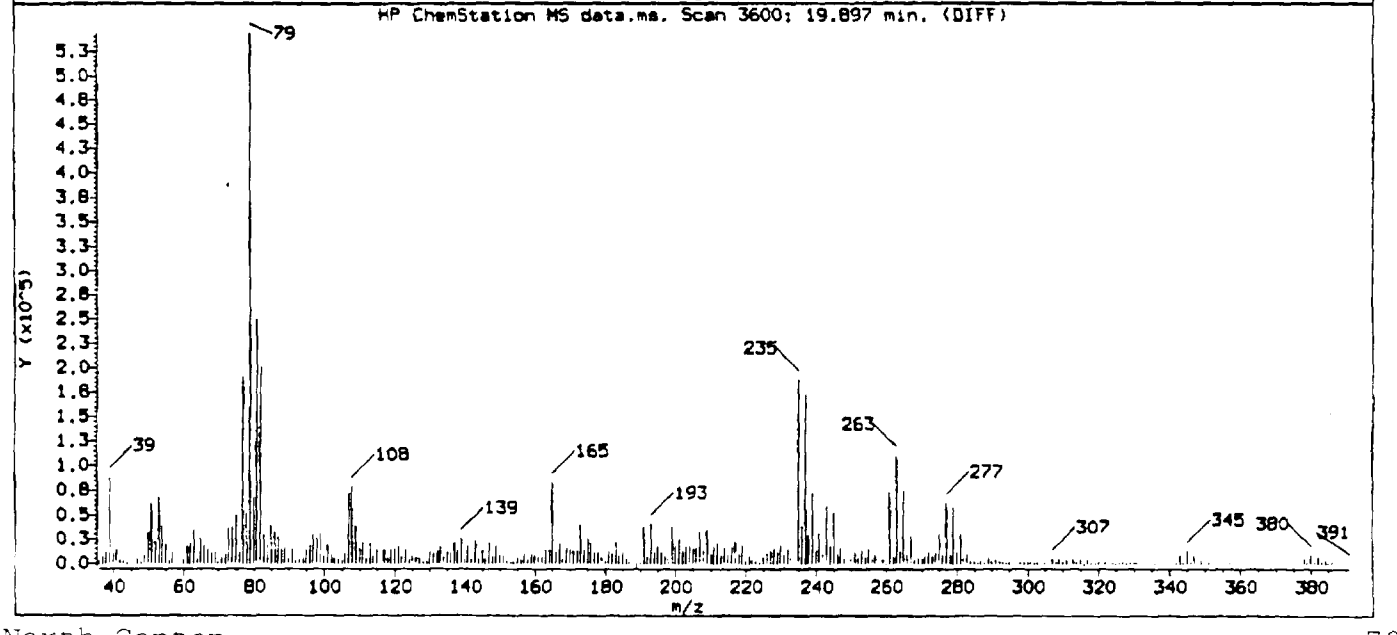
Sample DJRN4101: Presence of Dieldrin Confirmed



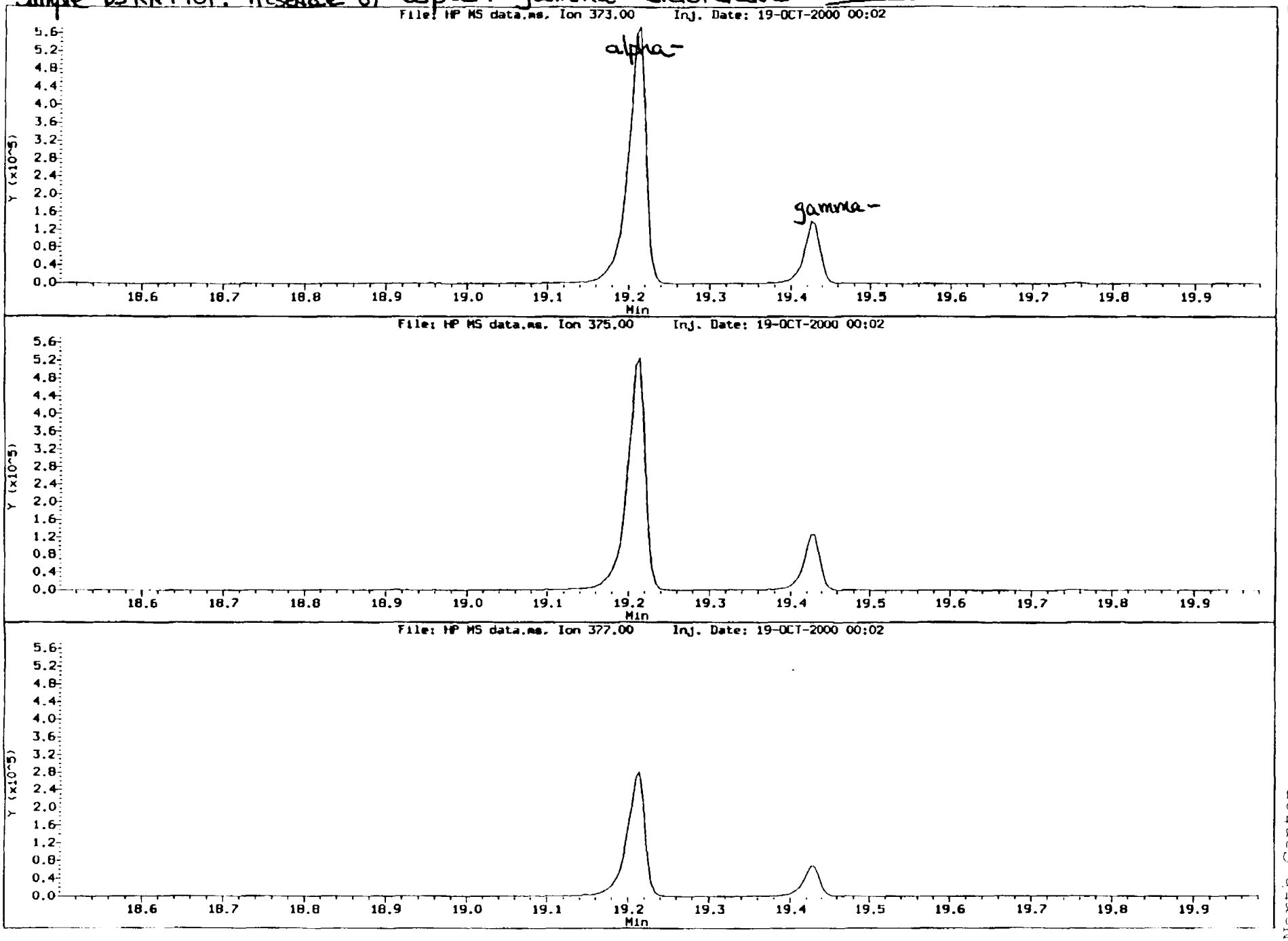
Spectra for Dieldrin in Sample DJRN4101



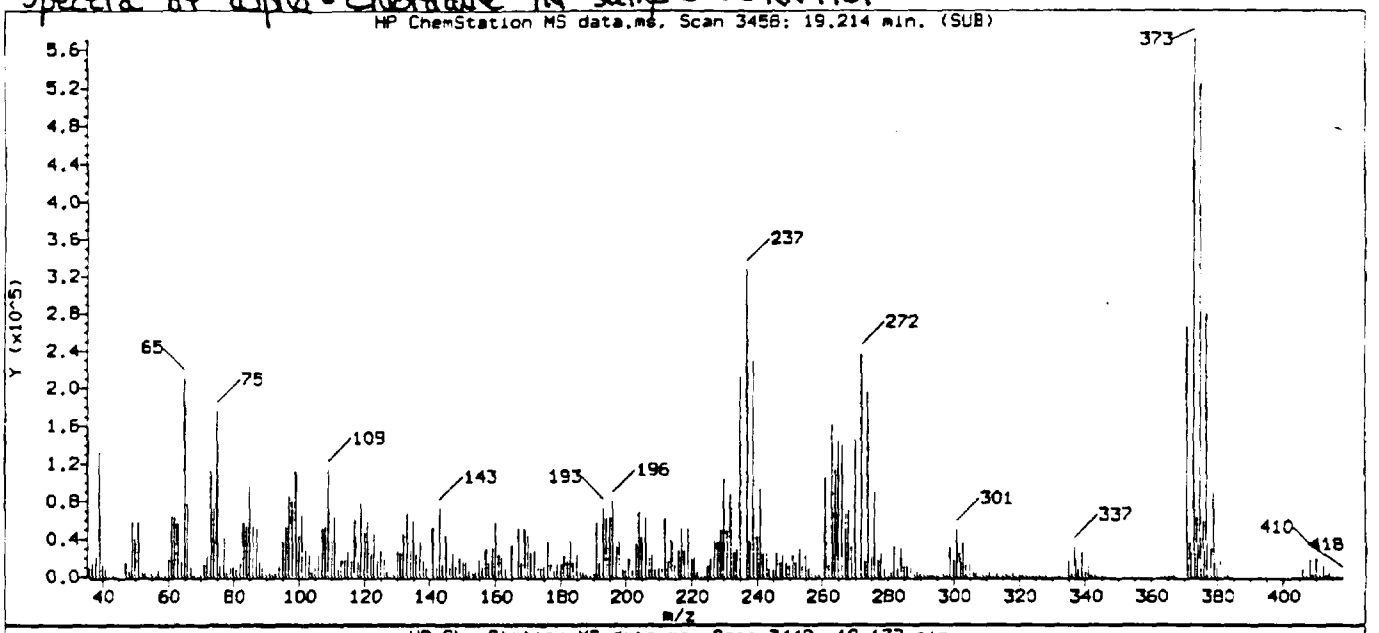


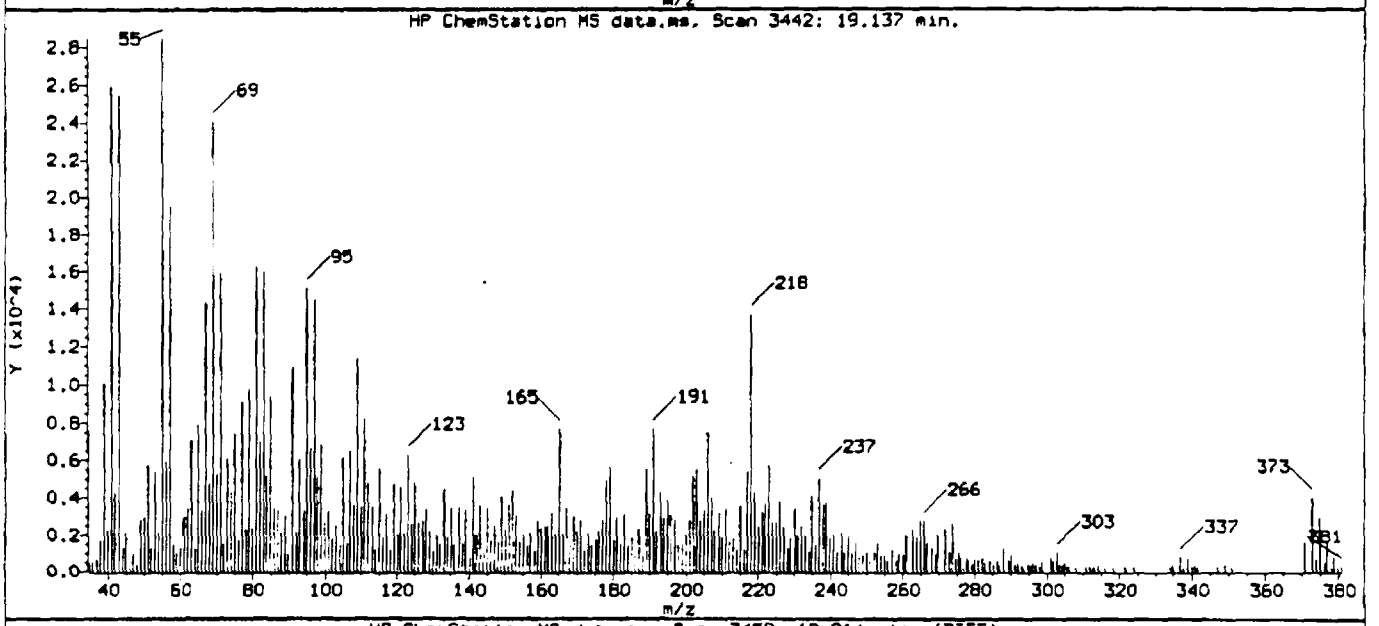


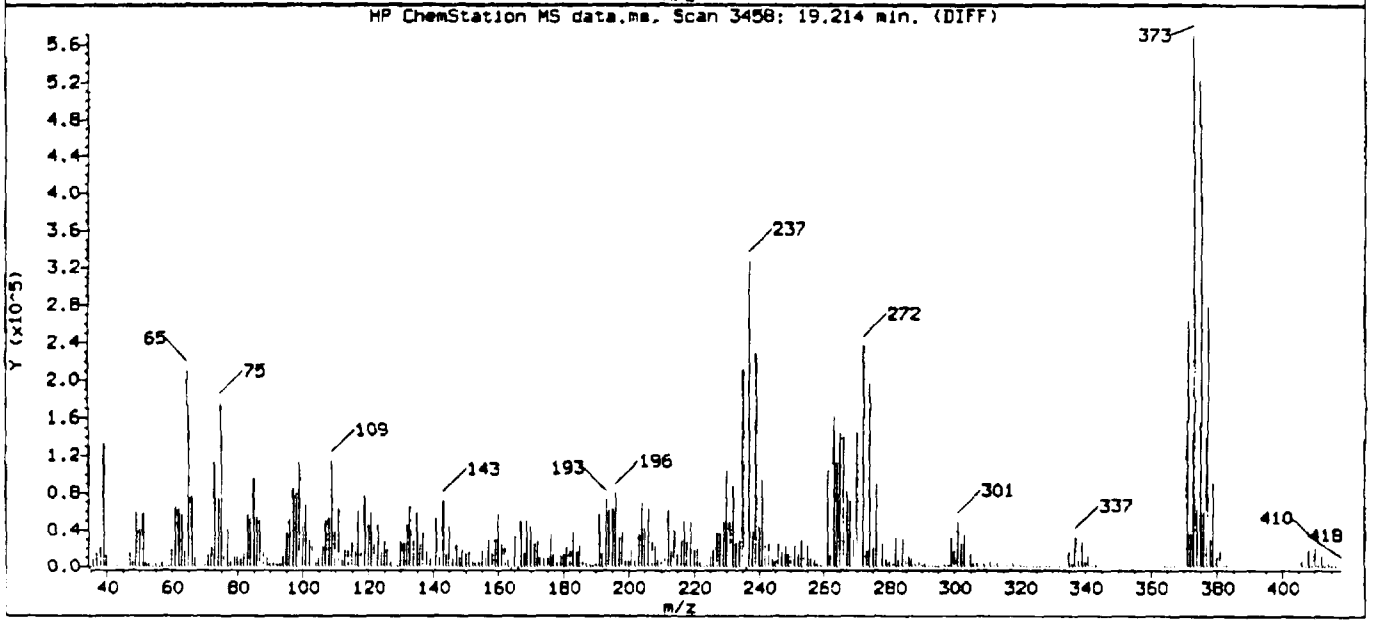
Sample DJRH4 101: Presence of alpha + gamma - chlordane Confirmed



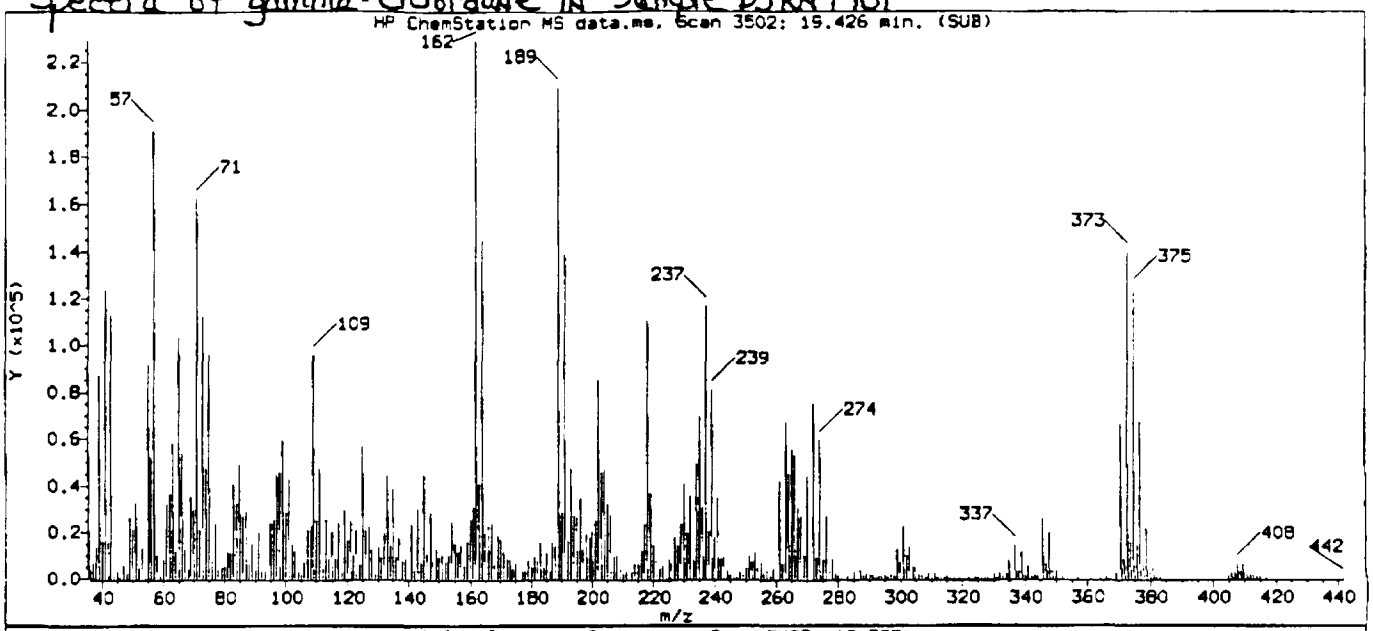
Spectra of alpha-chlordane in sample DJRN4101

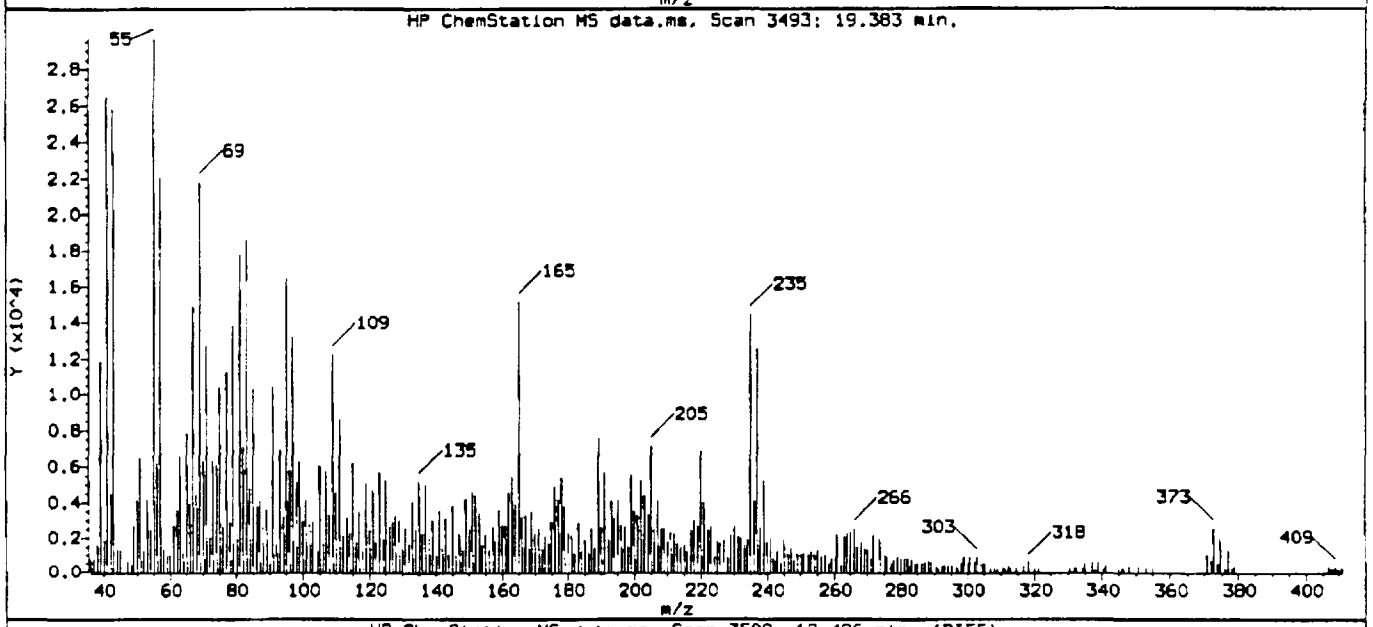


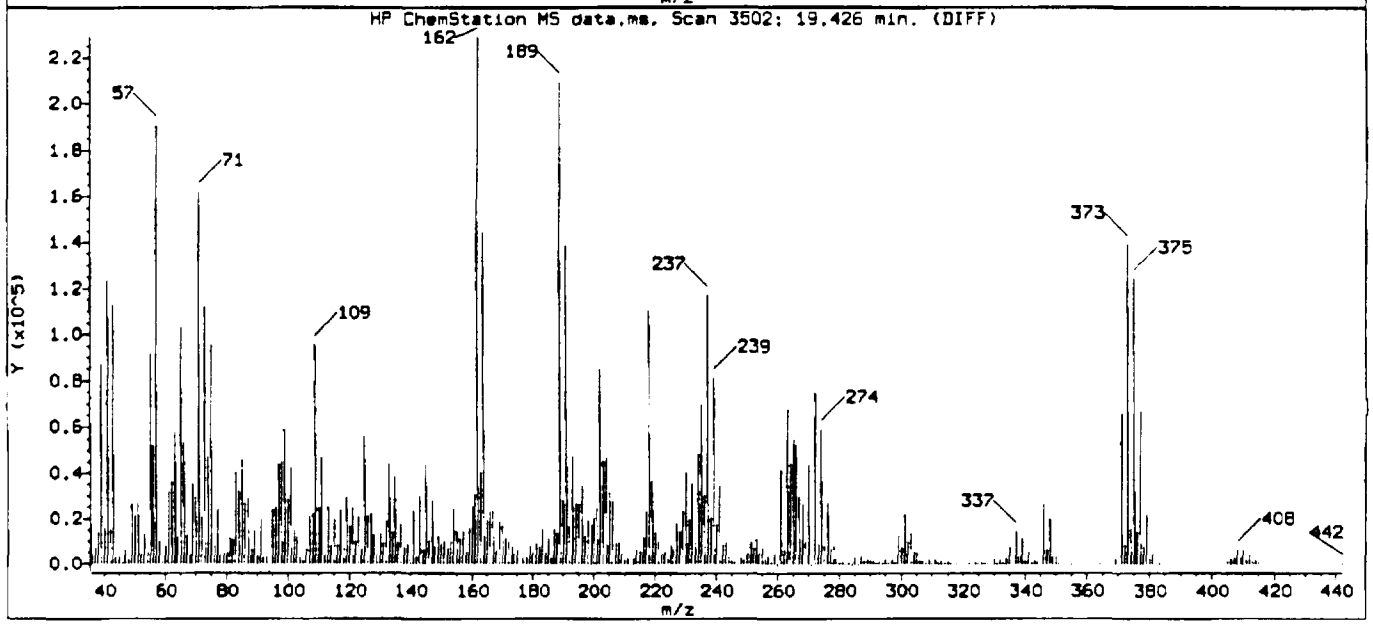




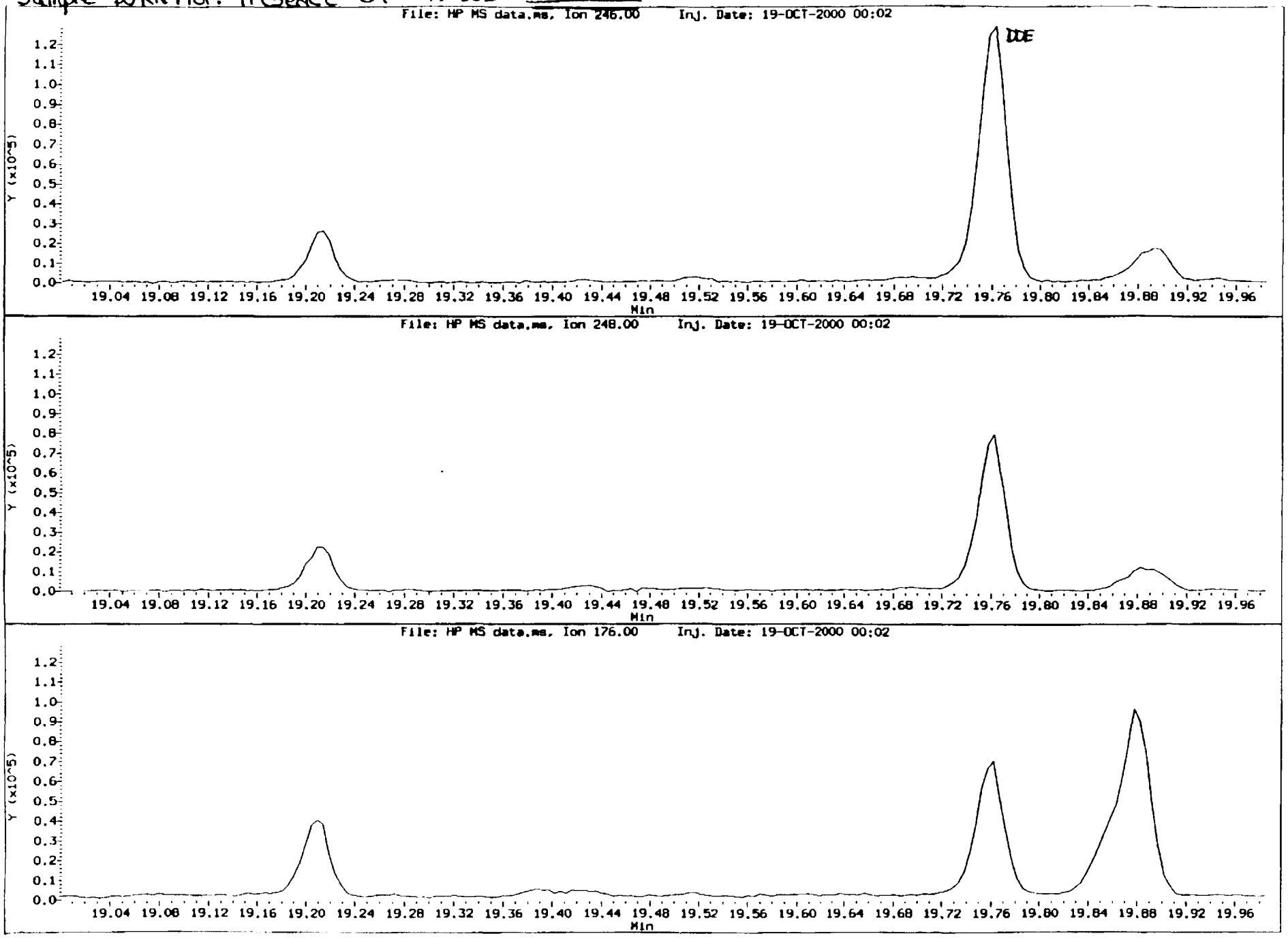
Spectra of gamma-chlordane in Sample DJRN4 101



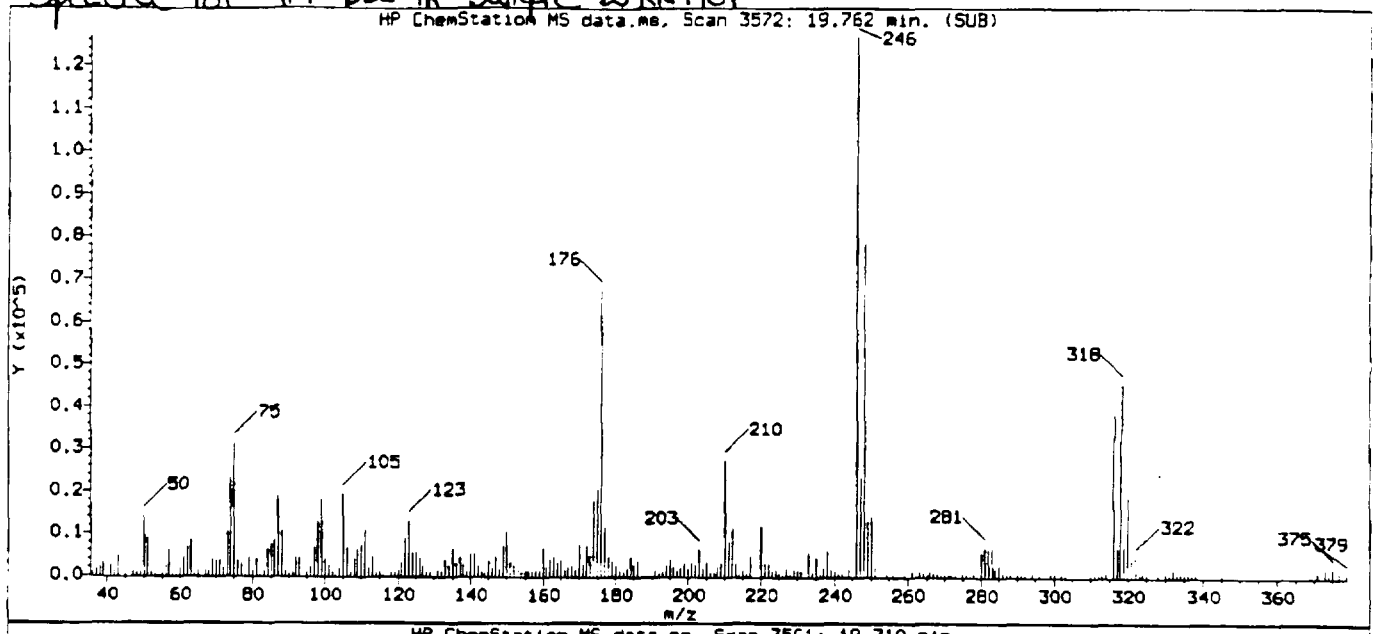


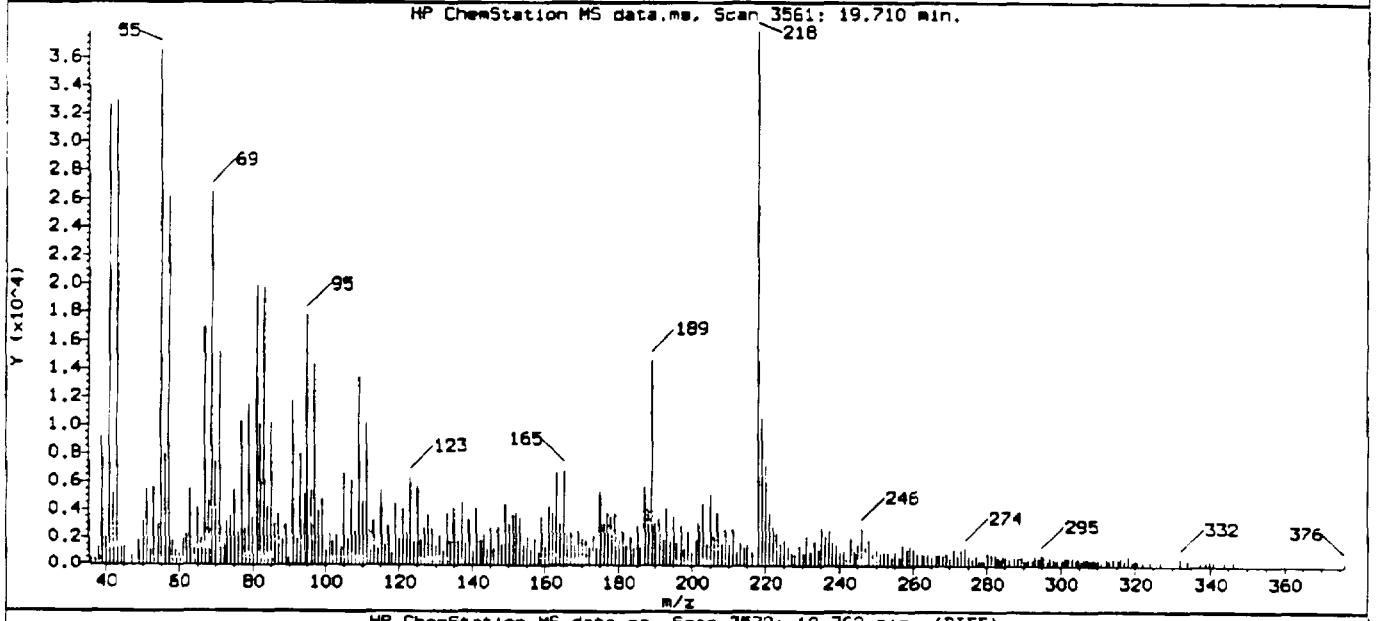


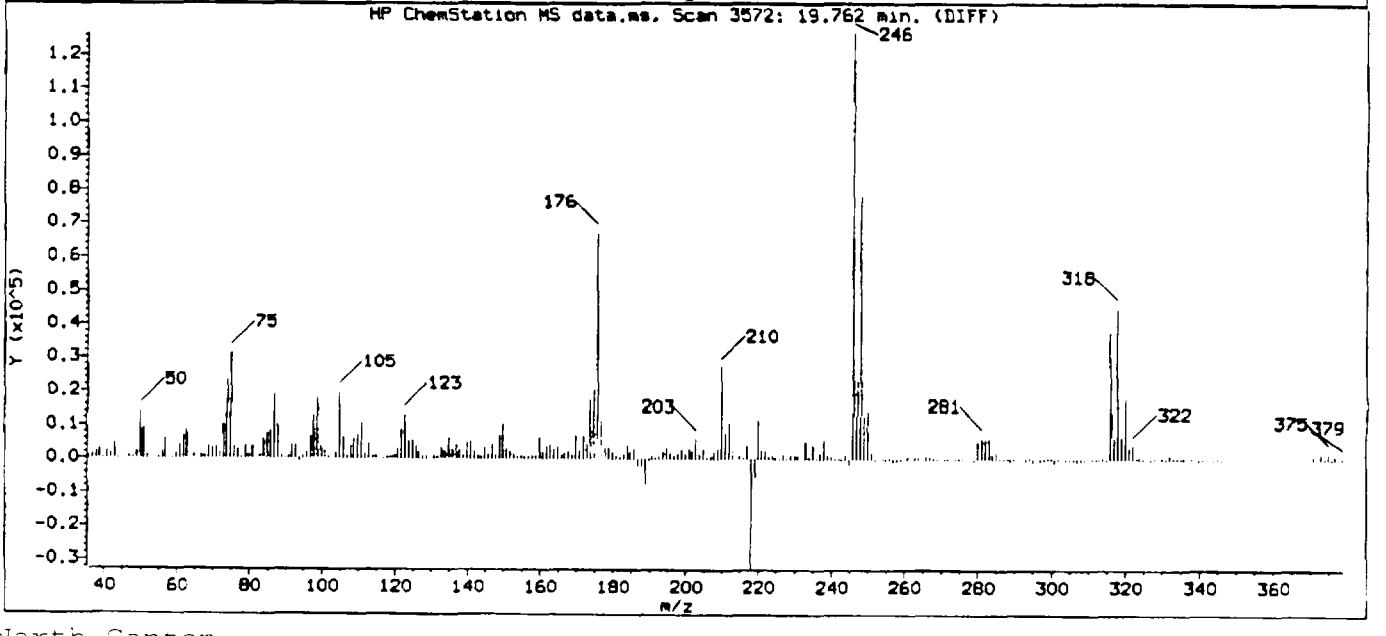
Sample DJRN4101: Presence of 4,4'-DDE Confirmed.



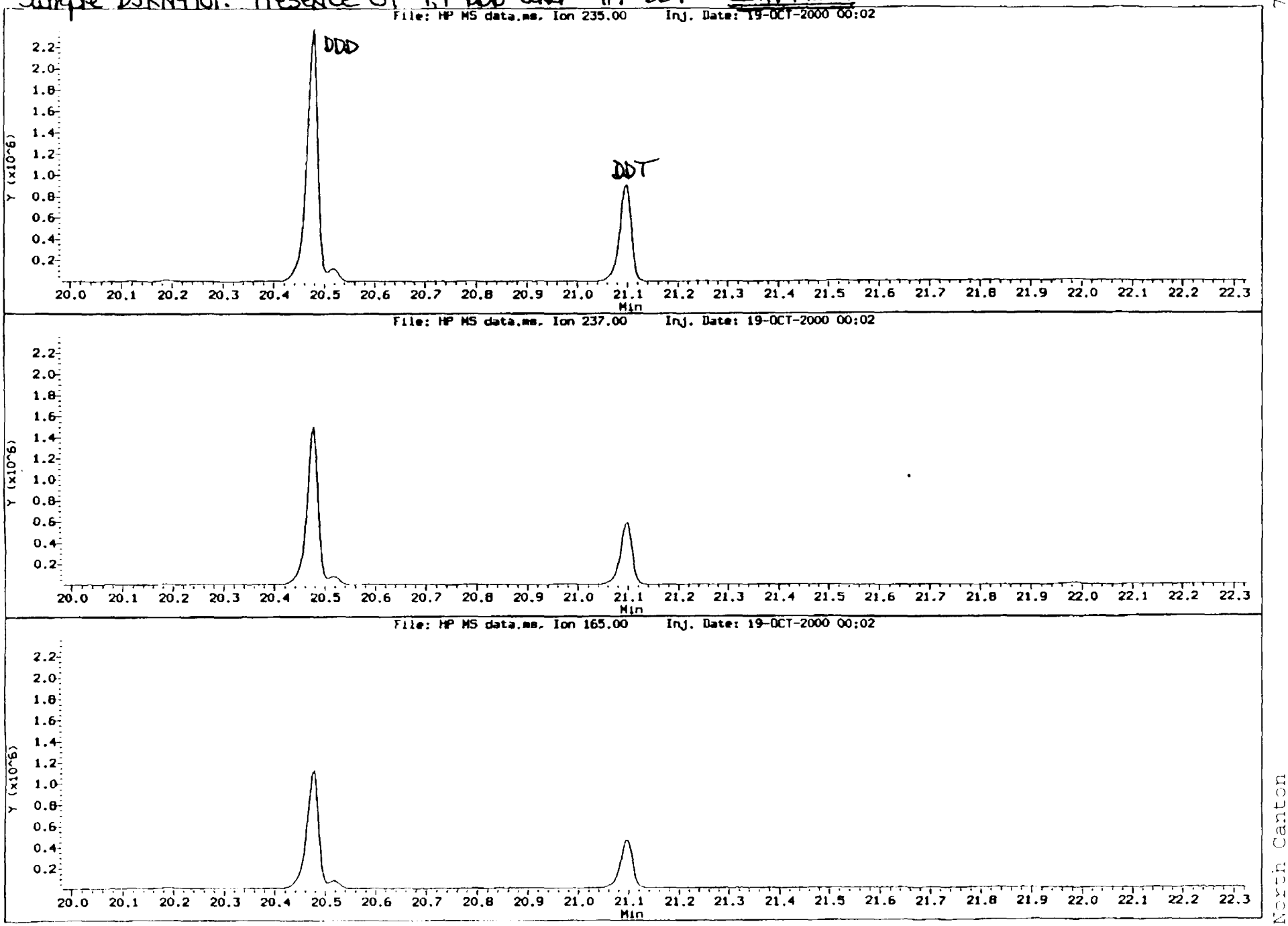
Spectra for 4,4'-DDE in Sample DJRN4101



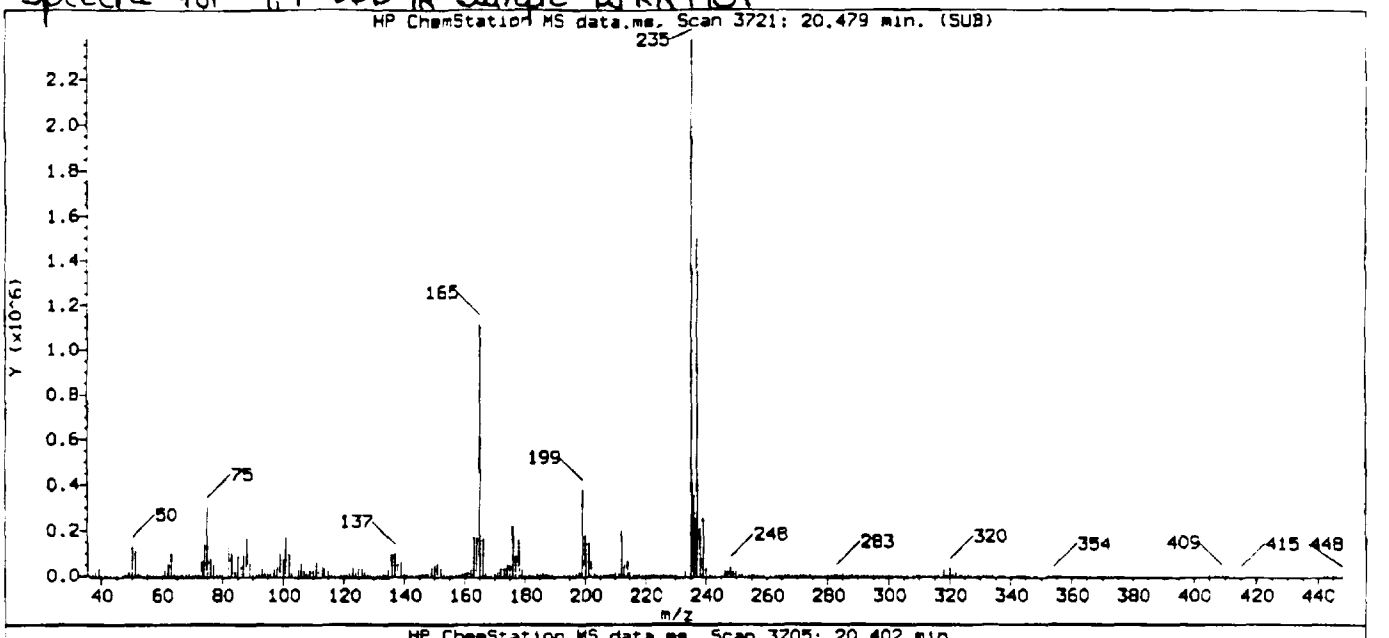


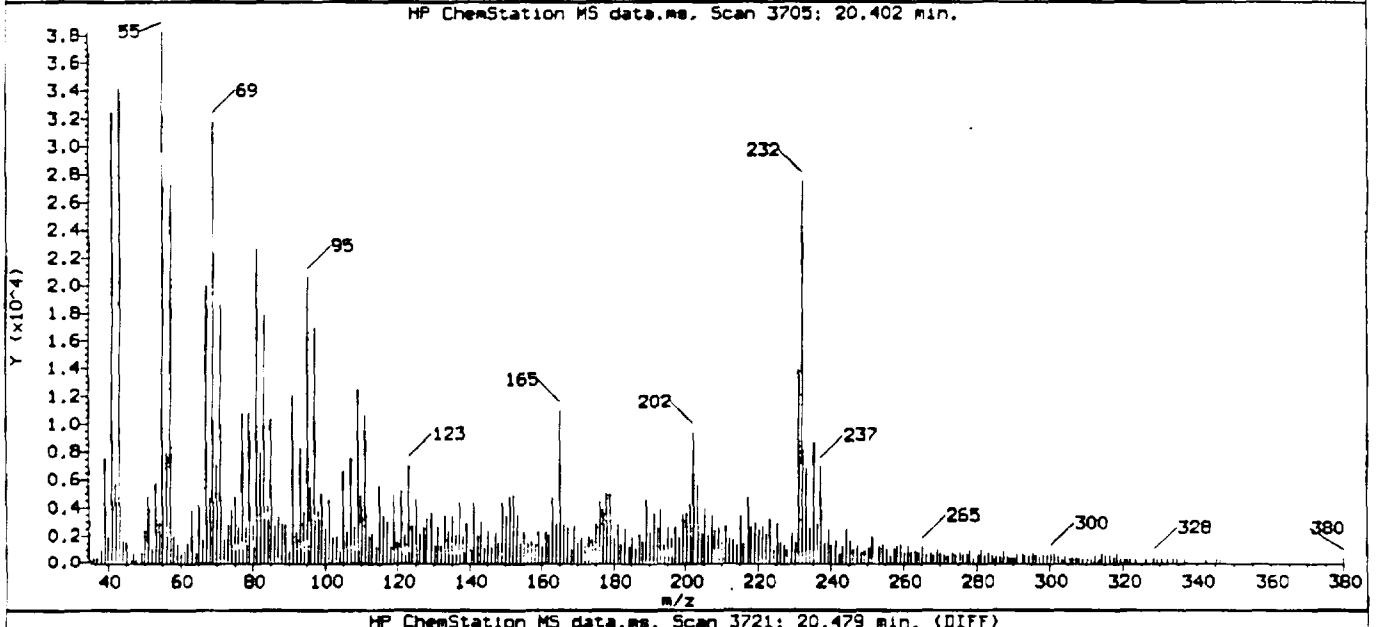


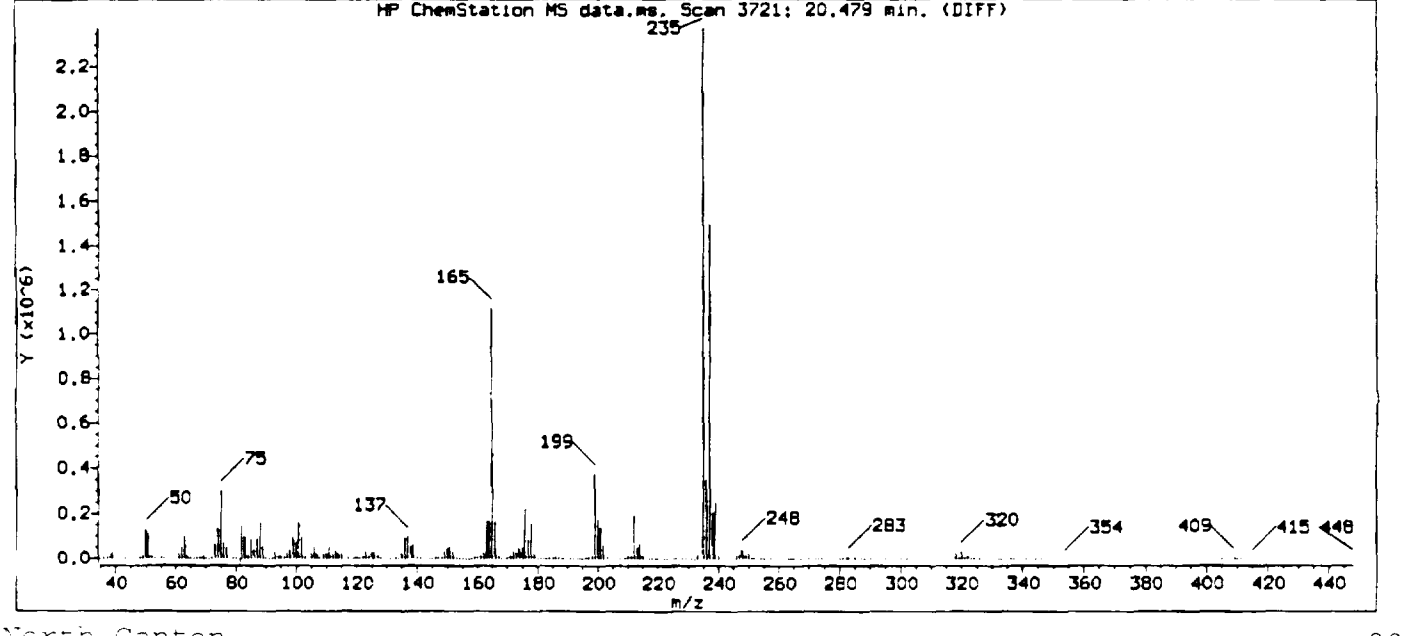
Sample DJRN4101: Presence of 4,4'-DDD and 4,4'-DDT confirmed.



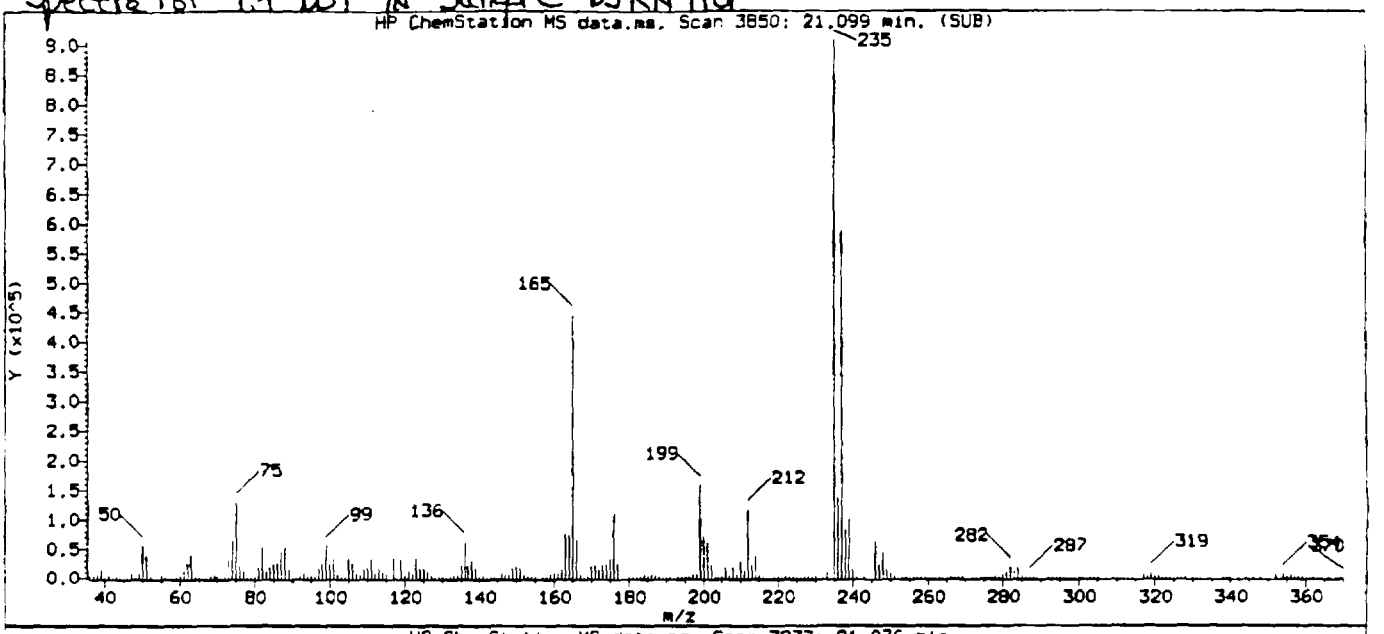
Spectra for 4,4'-DDD in sample DJRN4101

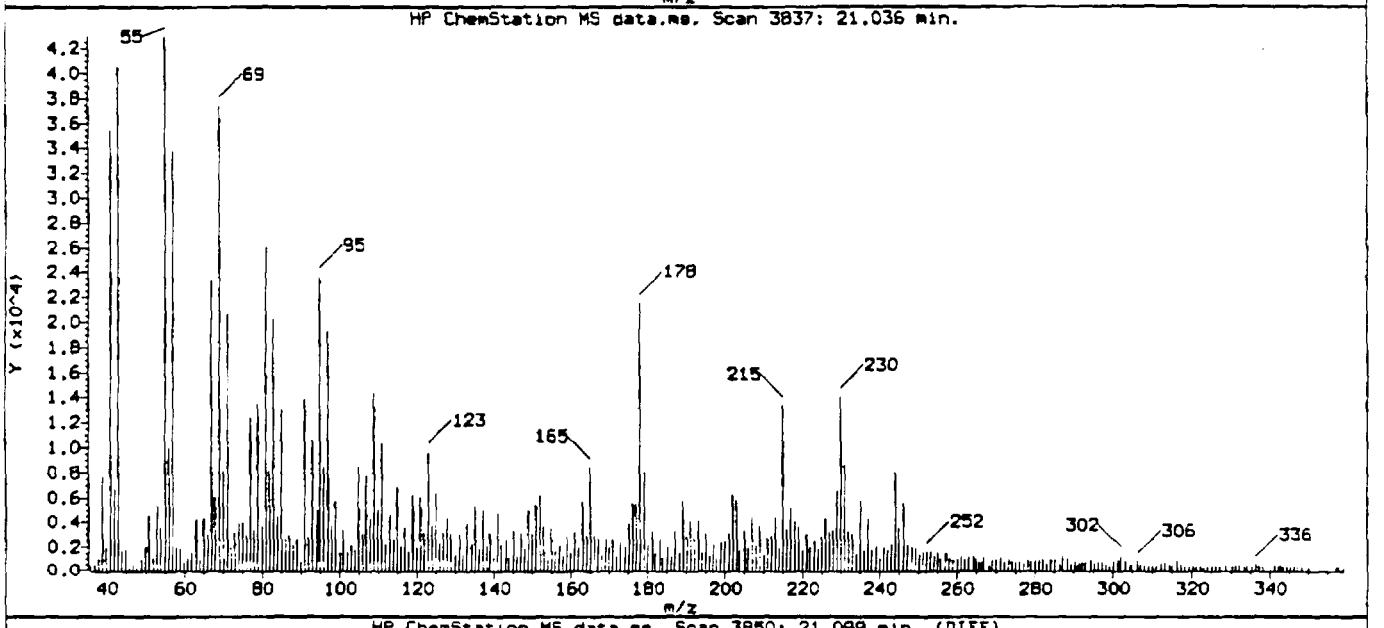


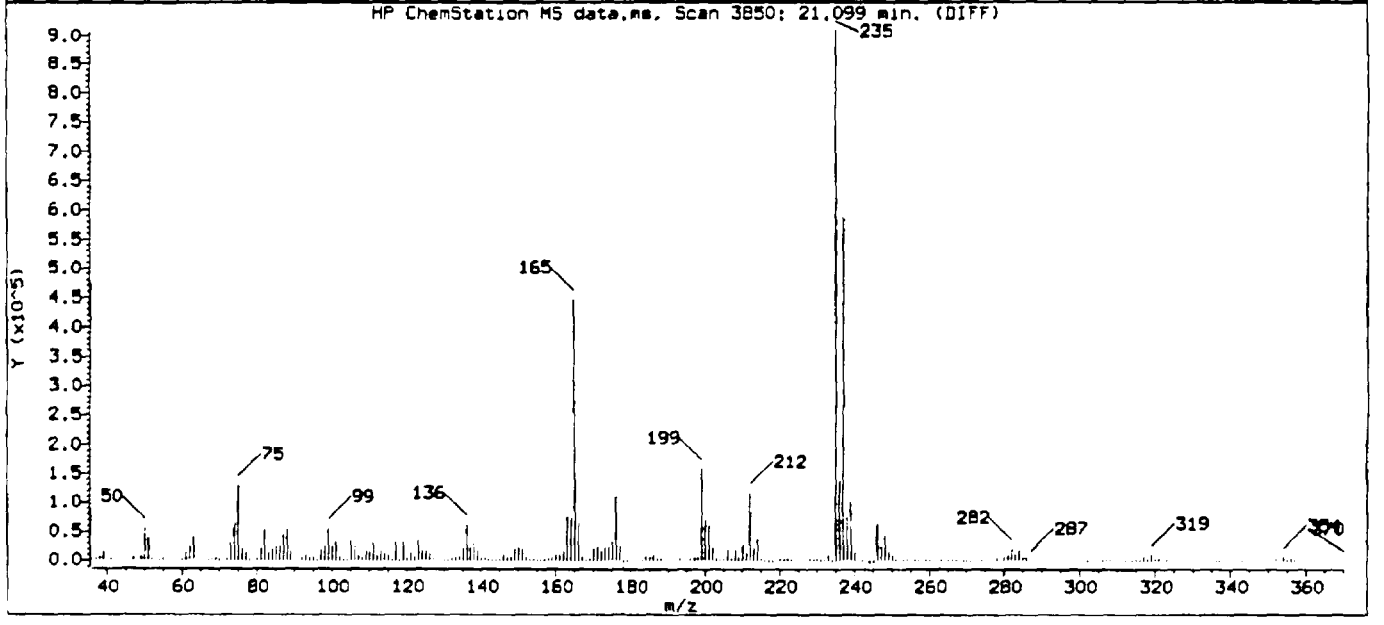




Spectra for 4,4'-DDT in Sample DJRN410







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRN4301

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 011F1101

% Moisture: 24 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

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	2200	U
319-85-7	beta-BHC	2200	U
319-86-8	delta-BHC	2200	U
58-89-9	gamma-BHC(Lindane)	2200	U
76-44-8	Heptachlor	2200	U
309-00-2	Aldrin	14000	DC
1024-57-3	Heptachlor epoxide	2200	U
959-98-8	Endosulfan I	2200	U
60-57-1	Dieldrin	4400	U
72-55-9	4,4'-DDE	4400	U
72-20-8	Endrin	4400	U
33213-65-9	Endosulfan II	4400	U
72-54-8	4,4'-DDD	2700	DJC
1031-07-8	Endosulfan sulfate	4400	U
50-29-3	4,4'-DDT	4400	U
72-43-5	Methoxychlor	22000	U
53494-70-5	Endrin ketone	1100	U
7421-93-4	Endrin aldehyde	4400	U
5103-71-9	alpha-Chlordane	1800	DJPC
5103-74-2	gamma-Chlordane	4100	DC
8001-35-2	Toxaphene	220000	U
12674-11-2	Aroclor-1016	44000	U
11104-28-2	Aroclor-1221	88000	U
11141-16-5	Aroclor-1232	44000	U
53469-21-9	Aroclor-1242	44000	U
12672-29-6	Aroclor-1248	44000	U
11097-69-1	Aroclor-1254	44000	U
11096-82-5	Aroclor-1260	44000	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/011f1101.d
Lab Smp Id: DJRN4101 Client Smp ID: SL50-6DL
Inj Date : 21-SEP-2000 05:10
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4101,1000
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 11
Dil Factor: 1000.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1000.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.15000	Weight of sample extracted (g)
M	24.23500	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	4898503	0.03244	14000	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	1285939	0.00932	4100	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	750704	0.00554	2400	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	636773	0.00627	2700	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/a2hp4.i/00920clp.b/011f1101.d

Page 3

Date : 21-SEP-2000 06:10

Client ID: SL50-6DL

Instrument: a2hp4.i

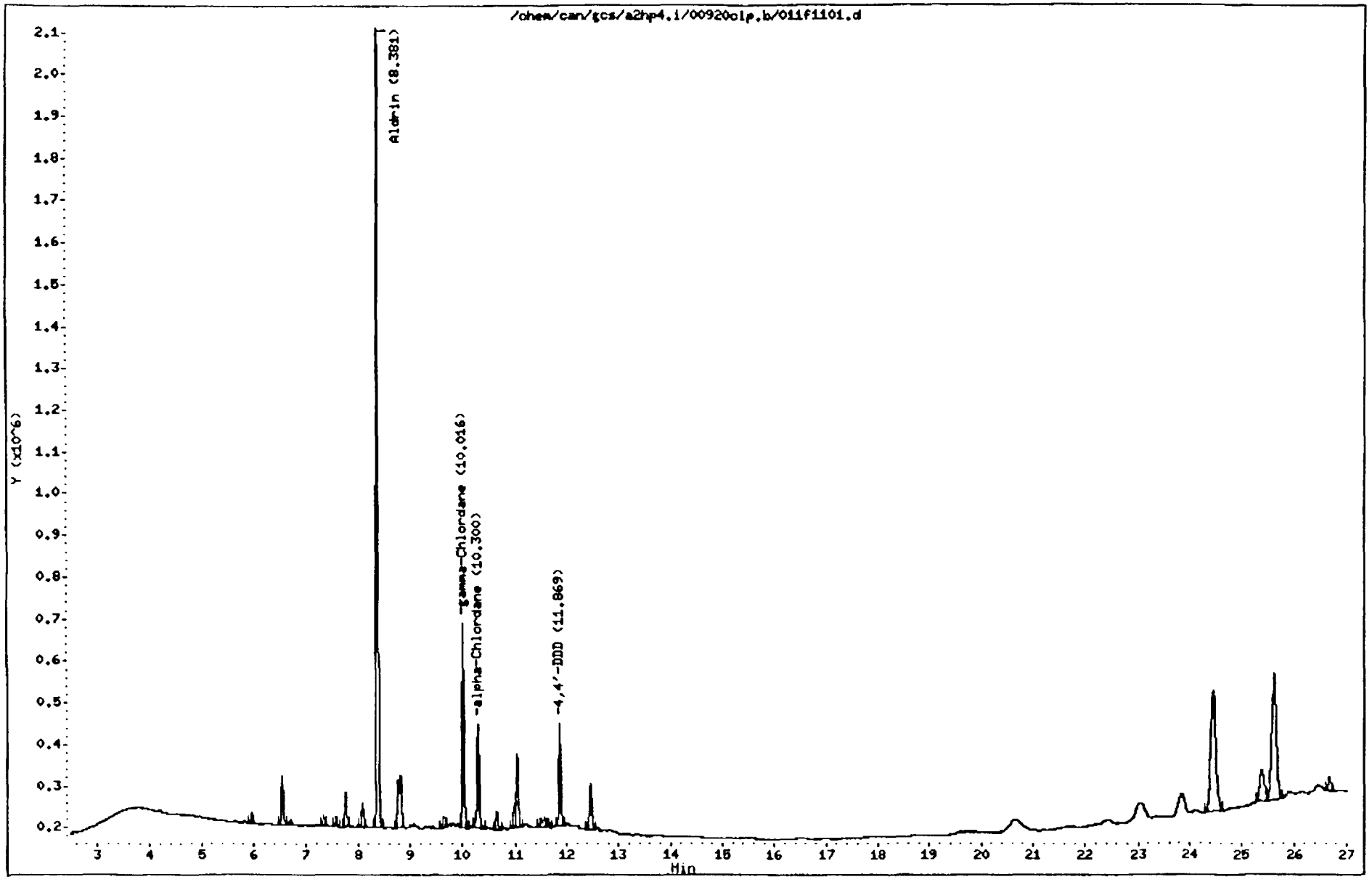
Sample Info: DJRN4101,1000

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



805

STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/011f1101.d
Lab Smp Id: DJRN4101 Client Smp ID: SL50-6DL
Inj Date : 21-SEP-2000 05:10
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4101,1000
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 11
Dil Factor: 1000.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1000.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.15000	Weigth of sample extracted (g)
M	24.23500	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
16 Aroclor-1254					CAS #: 11097-69-1		
10.433	10.573	-0.140	340749	2.20279	960000	80.00- 120.00	100.00
11.259	11.399	-0.140	12705	0.00273	1200	2991.09-3031.09	3.73
11.682	11.822	-0.140	2473	0.000449	200	3540.17-3580.17	0.73
12.422	12.562	-0.140	135304	0.03558	16000	2438.29-2478.29	39.71
12.739	12.879	-0.140	56042	0.00766	3400	4710.89-4750.89	16.45
Average of Peak Concentrations =					200000		
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	5151035	0.03196	14000	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	1318711	0.00953	4200	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	551587	0.00401	1800	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	654529	0.00659	2900	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	4503	<0.0	21	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/a2hp4.i/00920clp-r.b/011f1101.d

Date : 21-SEP-2000 05:10

Client ID: SL50-6DL

Sample Info: DJRN4101,1000

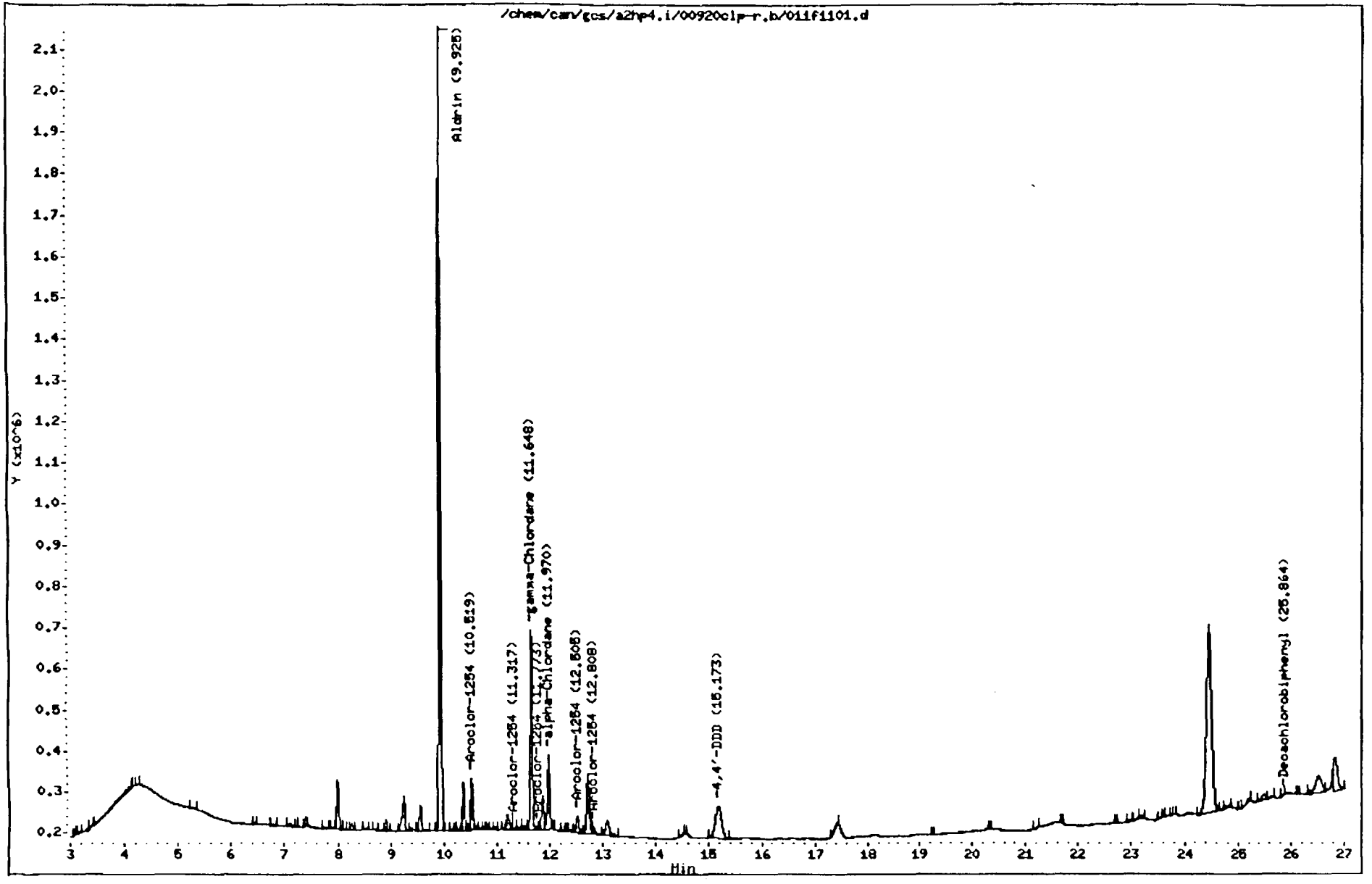
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRN4201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 029F2701

% Moisture: 21 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/04/00

Injection Volume: 1.0(uL) Dilution Factor: 100.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	150	J
319-85-7	beta-BHC	210	U
319-86-8	delta-BHC	210	U
58-89-9	gamma-BHC(Lindane)	130	J
76-44-8	Heptachlor	1000	PC
309-00-2	Aldrin	7400	C
1024-57-3	Heptachlor epoxide	210	U
959-98-8	Endosulfan I	210	U
60-57-1	Dieldrin	1900	P
72-55-9	4,4'-DDE	300	JPC
72-20-8	Endrin	420	U
33213-65-9	Endosulfan II	420	U
72-54-8	4,4'-DDD	2300	C
1031-07-8	Endosulfan sulfate	420	U
50-29-3	4,4'-DDT	1400	C
72-43-5	Methoxychlor	2100	U
53494-70-5	Endrin ketone	100	U
7421-93-4	Endrin aldehyde	420	U
5103-71-9	alpha-Chlordane	2000	PCB
5103-74-2	gamma-Chlordane	4100	CB
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor-1016	4200	U
11104-28-2	Aroclor-1221	8400	U
11141-16-5	Aroclor-1232	4200	U
53469-21-9	Aroclor-1242	4200	U
12672-29-6	Aroclor-1248	4200	U
11097-69-1	Aroclor-1254	4200	U
11096-82-5	Aroclor-1260	4200	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/029f2701.d
Lab Smp Id: DJRN4201 Client Smp ID: SL50-6RE
Inj Date : 04-OCT-2000 05:17
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4201,100
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic.b/clp30a.m
Meth Date : 13-Oct-2000 10:45 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 23:22 Cal File: 018f1601.d
Als bottle: 29
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	100.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.03000	Weight of sample extracted (g)
M	20.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	55726	0.000412	17	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.839	5.939	-0.100	696404	0.00362	150	80.00- 120.00	100.00(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.580	6.680	-0.100	481938	0.00305	130	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	34882123	0.25897	11000	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.257	8.357	-0.100	29290433	0.17575	7400	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.210	7.310	-0.100	2690026	0.01550	650	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	14853062	0.09813	4100	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	9149847	0.06103	2600	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.504	10.644	-0.140	1118209	0.00729	300	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.896	11.036	-0.140	8445285	0.05659	2400	80.00- 120.00	100.00
22 Toxaphene					CAS #: 8001-35-2		
10.914	11.054	-0.140	8445285	7.27678	300000	80.00- 120.00	100.00
11.428	11.568	-0.140	439517	0.19952	8400	169.81- 209.81	5.20
12.042	12.182	-0.140	179999	0.07339	3100	191.34- 231.34	2.13
12.736	12.876	-0.140	167837	0.06898	2900	189.66- 229.66	1.99
Average of Peak Concentrations =					80000		
24 4,4'-DDD					CAS #: 72-54-8		
11.728	11.868	-0.140	6042273	0.05478	2300	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.307	12.447	-0.140	3759720	0.03520	1500	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp4.i/010041c.b/029f2701.d

Date : 04-OCT-2000 05:17

Client ID: SL50-6RE

Sample Info: DJRH4201,100

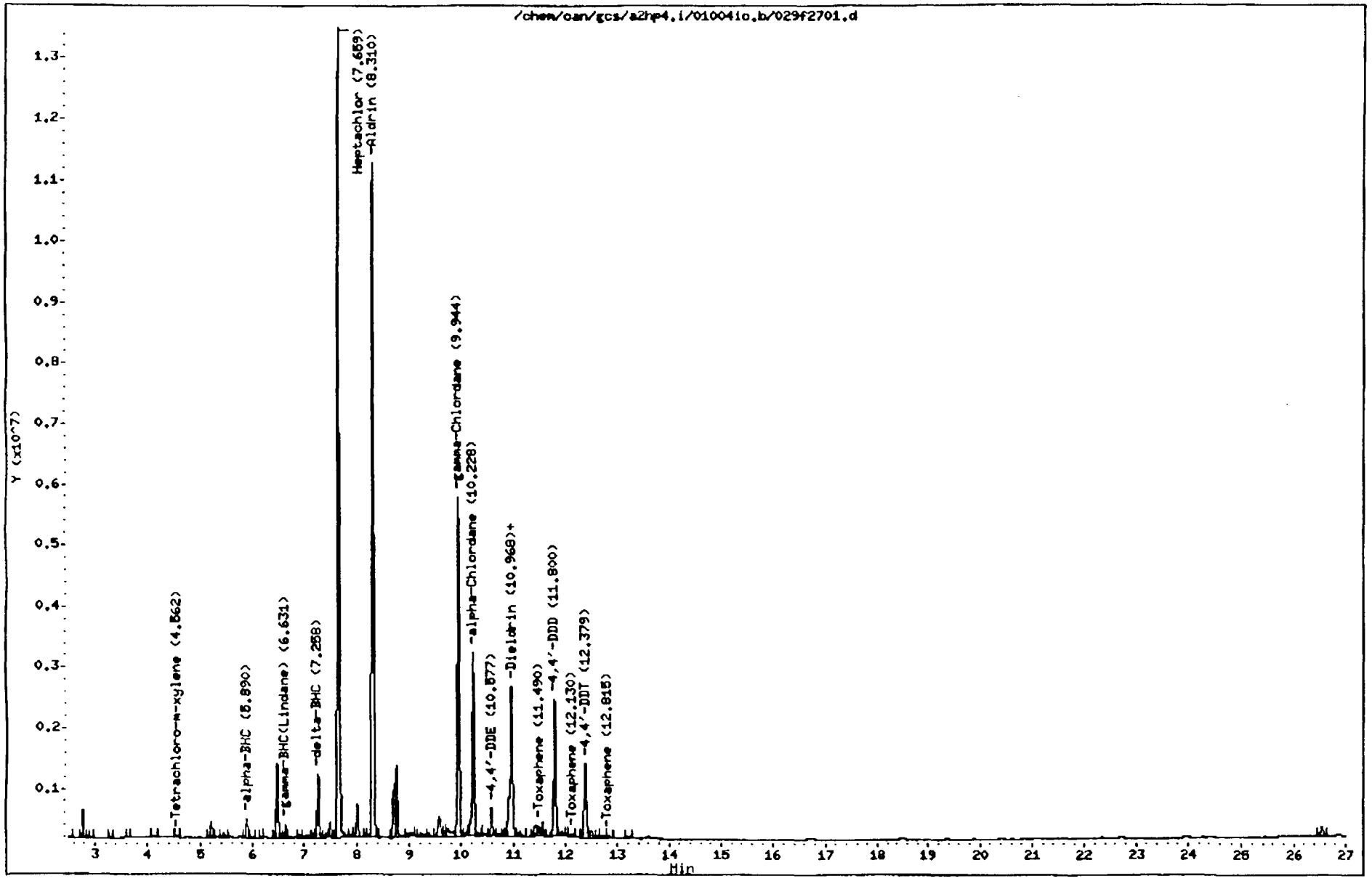
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/029f2701.d
Lab Smp Id: DJRN4201 Client Smp ID: SL50-6RE
Inj Date : 04-OCT-2000 05:17
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4201,100
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic-r.b/clp30b.m
Meth Date : 13-Oct-2000 10:46 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 22:17 Cal File: 016f1401.d
Als bottle: 29
Dil Factor: 100.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	100.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.03000	Weigth of sample extracted (g)
M	20.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	53780	0.00037	16	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.562	6.702	-0.140	19178	0.10010	4200	80.00- 120.00	100.00
6.799	6.939	-0.140	205027	0.20153	8400	510.98- 550.98	1069.05
6.939	7.079	-0.140	2001821	0.52360	22000	1975.46-2015.46	10437.88
Average of Peak Concentrations =					12000		
3 alpha-BHC					CAS #: 319-84-6		
7.261	7.361	-0.100	723837	0.00362	150	80.00- 120.00	100.00(m)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
7 beta-BHC					CAS #: 319-85-7		
8.402	8.502	-0.100	191230	0.00254	110	80.00- 120.00	100.00(m)
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.129	8.229	-0.100	596103	0.00362	150	80.00- 120.00	100.00(m)
11 Heptachlor					CAS #: 76-44-8		
9.100	9.200	-0.100	3400531	0.02516	1000	80.00- 120.00	100.00
16 Aroclor-1254					CAS #: 11097-69-1		
9.716	9.856	-0.140	31759463	11.6024	490000	80.00- 120.00	100.00
10.274	10.414	-0.140	2370990	1.38133	58000	42.71- 82.71	7.47
11.172	11.312	-0.140	28017505	5.64623	240000	161.28- 201.28	88.22
11.592	11.732	-0.140	83454	0.01400	590	197.69- 237.69	0.26
12.613	12.753	-0.140	385528	0.04750	2000	276.51- 316.51	1.21
Average of Peak Concentrations =					160000		
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	31759463	0.18106	7600	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.080	11.220	-0.140	1297546	0.00879	370	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	15506911	0.10252	4300	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	7081196	0.04696	2000	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.518	12.658	-0.140	6671150	0.04501	1900	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.330	12.470	-0.140	1513250	0.00975	410	80.00- 120.00	100.00(m)
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	5649777	0.05467	2300	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.009	17.149	-0.140	3289907	0.03389	1400	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	54785	0.00058	24	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/a2hp4.i/01004ic-r.b/029f2701.d

Date : 04-OCT-2000 05:17

Client ID: SL50-6RE

Sample Info: DJRH4201,100

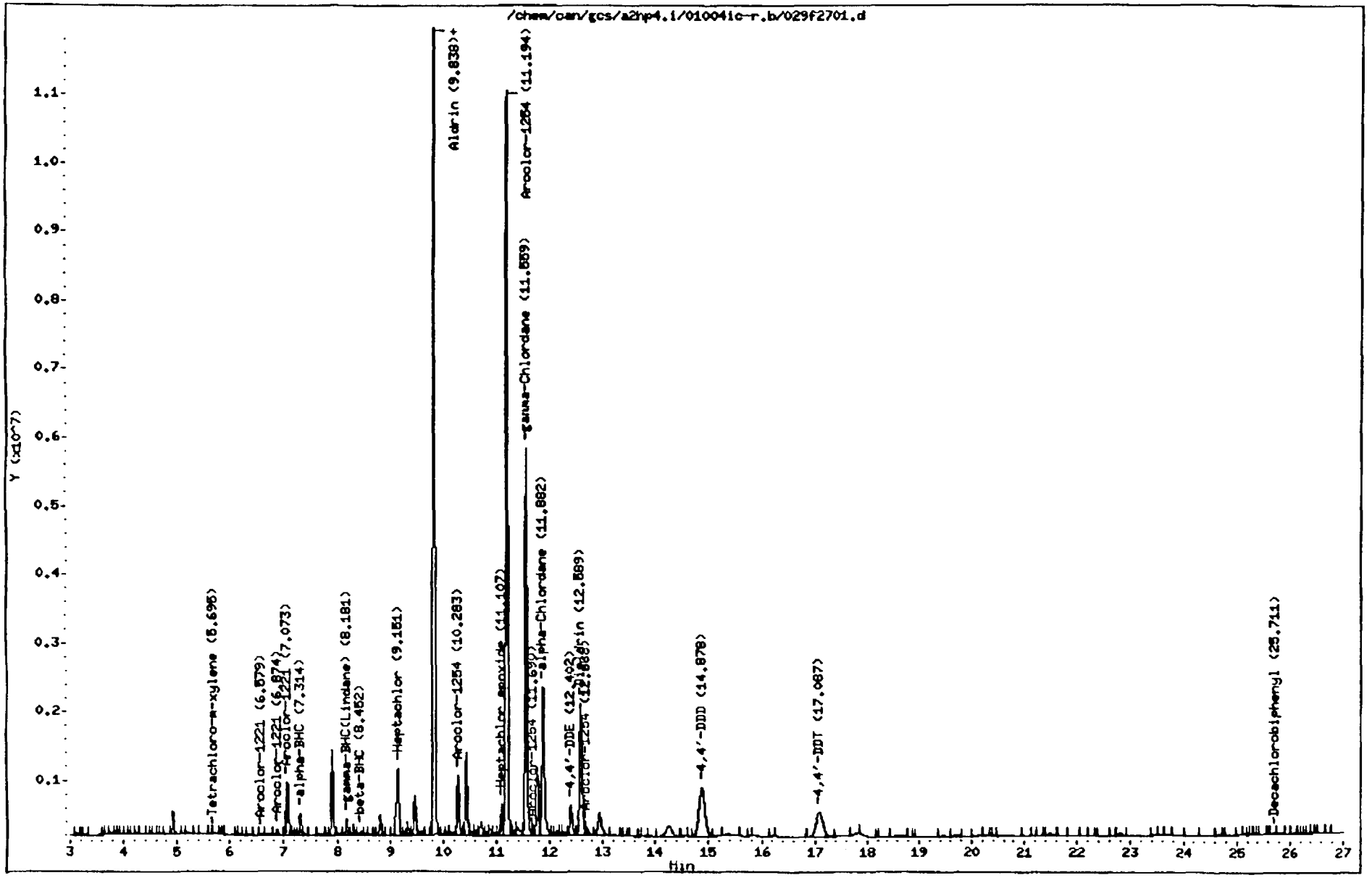
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL50-6REDL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRN4401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 028F2601

% Moisture: 21 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/04/00

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2100	U
319-85-7	beta-BHC	2100	U
319-86-8	delta-BHC	2100	U
58-89-9	gamma-BHC(Lindane)	2100	U
76-44-8	Heptachlor	2100	U
309-00-2	Aldrin	6900	DC
1024-57-3	Heptachlor epoxide	2100	U
959-98-8	Endosulfan I	2100	U
60-57-1	Dieldrin	4200	U
72-55-9	4,4'-DDE	4200	U
72-20-8	Endrin	4200	U
33213-65-9	Endosulfan II	4200	U
72-54-8	4,4'-DDD	4200	U
1031-07-8	Endosulfan sulfate	4200	U
50-29-3	4,4'-DDT	4200	U
72-43-5	Methoxychlor	21000	U
53494-70-5	Endrin ketone	1000	U
7421-93-4	Endrin aldehyde	4200	U
5103-71-9	alpha-Chlordane	1800	DJPBC
5103-74-2	gamma-Chlordane	3700	DBC
8001-35-2	Toxaphene	210000	U
12674-11-2	Aroclor-1016	42000	U
11104-28-2	Aroclor-1221	84000	U
11141-16-5	Aroclor-1232	42000	U
53469-21-9	Aroclor-1242	42000	U
12672-29-6	Aroclor-1248	42000	U
11097-69-1	Aroclor-1254	42000	U
11096-82-5	Aroclor-1260	42000	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/028f2601.d
Lab Smp Id: DJRN4201 Client Smp ID: SL50-6REDL
Inj Date : 04-OCT-2000 04:45
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4201,1000
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic.b/clp30a.m
Meth Date : 13-Oct-2000 10:45 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 23:22 Cal File: 018f1601.d
Als bottle: 28
Dil Factor: 1000.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

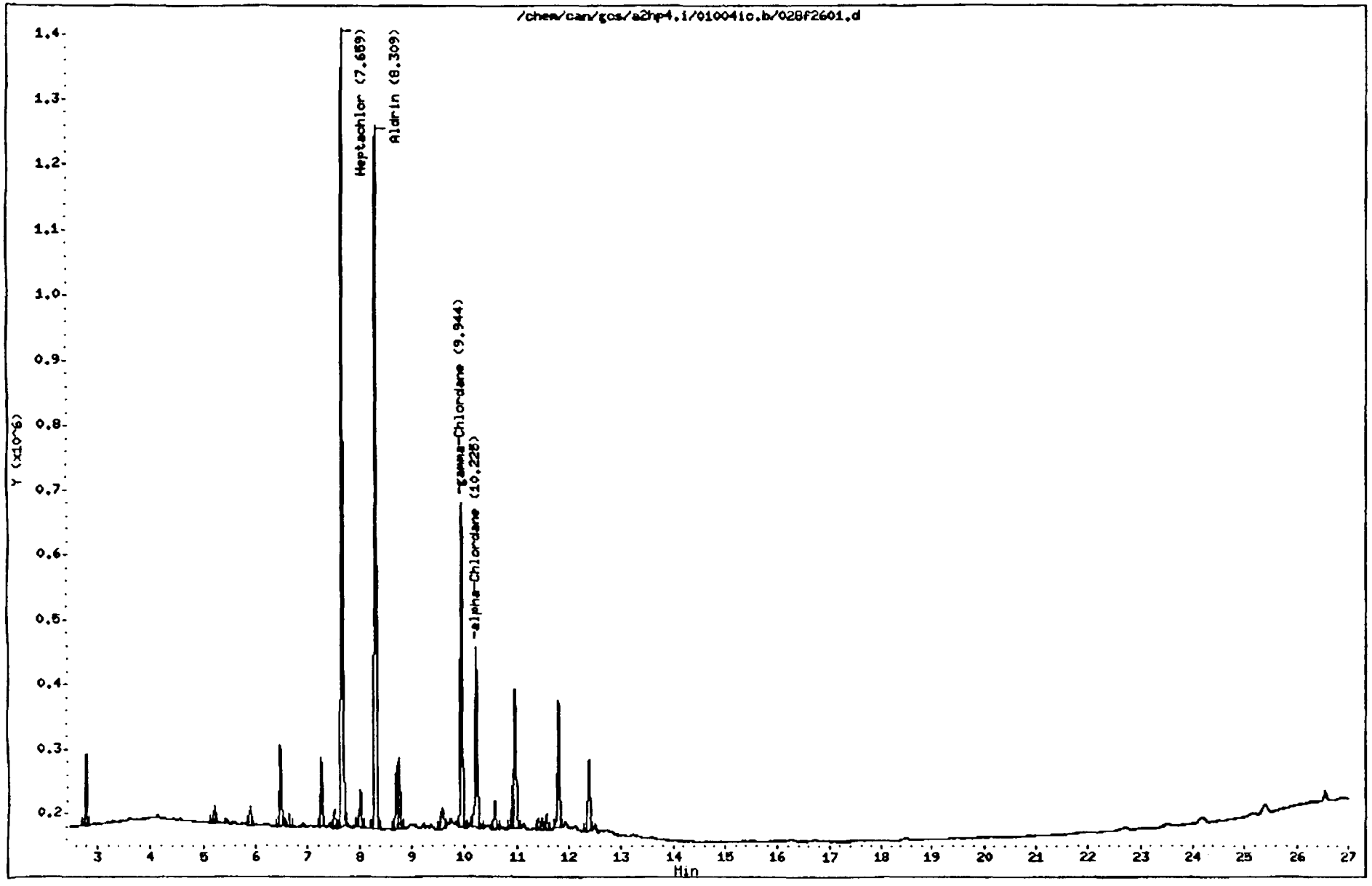
Name	Value	Description
DF	1000.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.03000	Weight of sample extracted (g)
M	20.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	3170300	0.02354	3900	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.257	8.357	-0.100	2761530	0.01657	6900	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	1334910	0.00882	3700	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	874413	0.00583	2400	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/010041c.b/028f2601.d
Date : 04-OCT-2000 04:45
Client ID: SL50-6REDL
Sample Info: DJRN4201,1000
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/028f2601.d
Lab Smp Id: DJRN4201 Client Smp ID: SL50-6REDL
Inj Date : 04-OCT-2000 04:45
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRN4201,1000
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic-r.b/clp30b.m
Meth Date : 13-Oct-2000 10:46 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 22:17 Cal File: 016f1401.d
Als bottle: 28
Dil Factor: 1000.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1000.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.03000	Weigth of sample extracted (g)
M	20.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	7320	<0.0	21	80.00- 120.00	100.00
16 Aroclor-1254					CAS #: 11097-69-1		
9.716	9.856	-0.140	2945494	1.07605	450000	80.00- 120.00	100.00
10.274	10.414	-0.140	264318	0.15399	64000	42.71- 82.71	8.97
11.172	11.312	-0.140	2178663	0.43906	180000	161.28- 201.28	73.97
11.592	11.732	-0.140	1422	0.000239	100	197.69- 237.69	0.05
12.613	12.753	-0.140	34796	0.00429	1800	276.51- 316.51	1.18
Average of Peak Concentrations =					140000		
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	2945494	0.01679	7000	80.00- 120.00	100.00

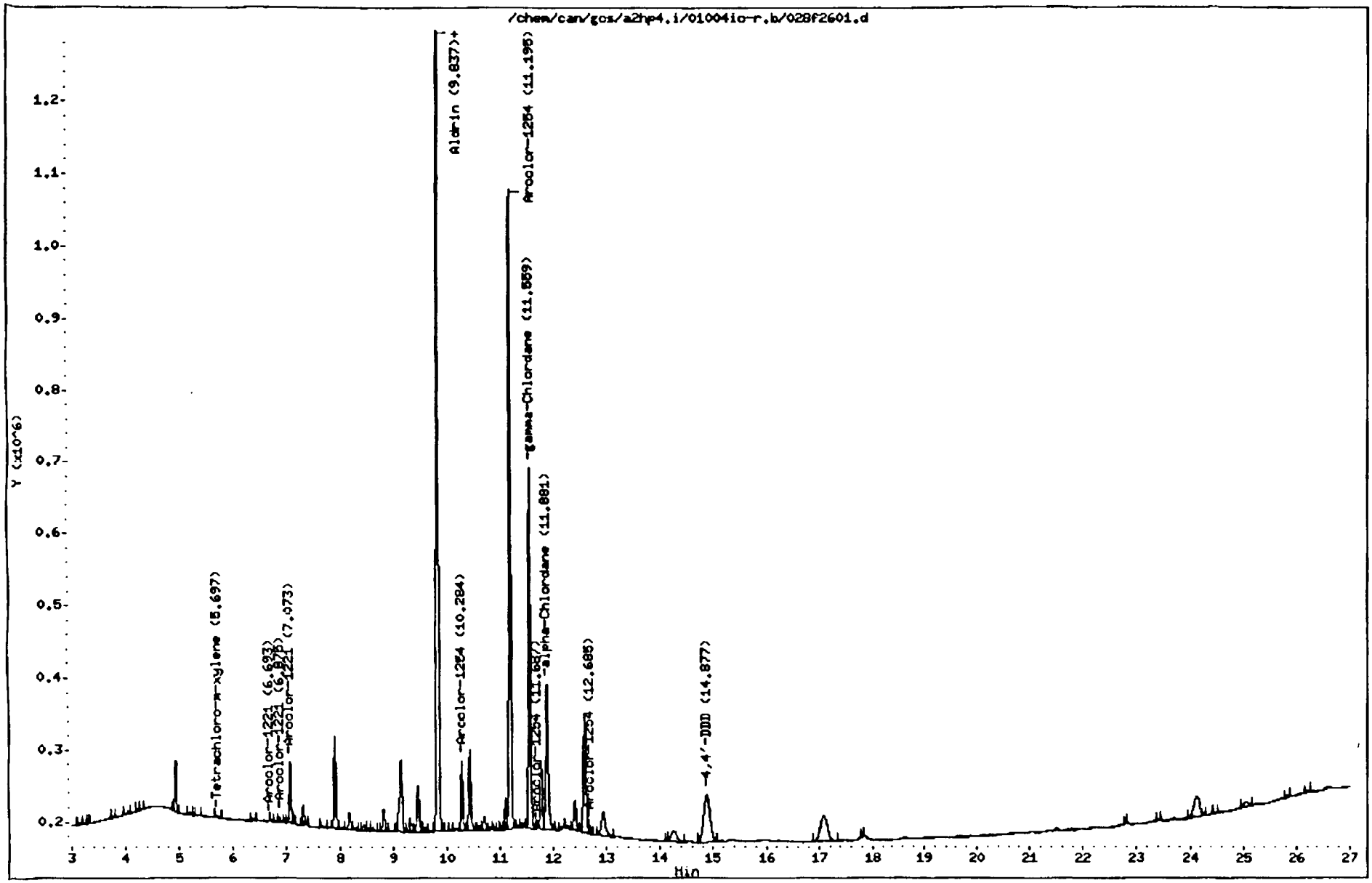
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	1359242	0.00899	3800	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	657225	0.00436	1800	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	537596	0.00520	2200	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/a2hp4.i/01004ic-r.b/028f2601.d
Date : 04-OCT-2000 04:45
Client ID: SL50-6REDL
Sample Info: DJRN4201,1000
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL51-4

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNK101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 031F3101

% Moisture: 27 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted: 09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	6.4	P
309-00-2	Aldrin	6.8	
1024-57-3	Heptachlor epoxide	1.2	JP
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.2	J
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.0	J
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	1.1	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	17	
5103-74-2	gamma-Chlordane	10	P
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/031f3101.d
Lab Smp Id: DJRNK101 Client Smp ID: SL51-4
Inj Date : 21-SEP-2000 15:56
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNK101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weight of sample extracted (g)
M	26.99800	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	969559	0.00779	3.6	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	573908	0.00322	1.5	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	2326893	0.01929	8.8	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	2242205	0.01485	6.8	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	346357	0.00269	1.2	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	3080245	0.02233	10	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	5274240	0.03895	18	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	3591466	0.02702	12	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	944794	0.00930	4.2	80.00- 120.00	100.00(a)
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	925182	0.00959	4.4	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2947445	0.02866	13	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/a2hp4.i/00920olp.b/031f3101.d

Date : 21-SEP-2000 15:56

Client ID: SL51-4

Sample Info: DJRNK101

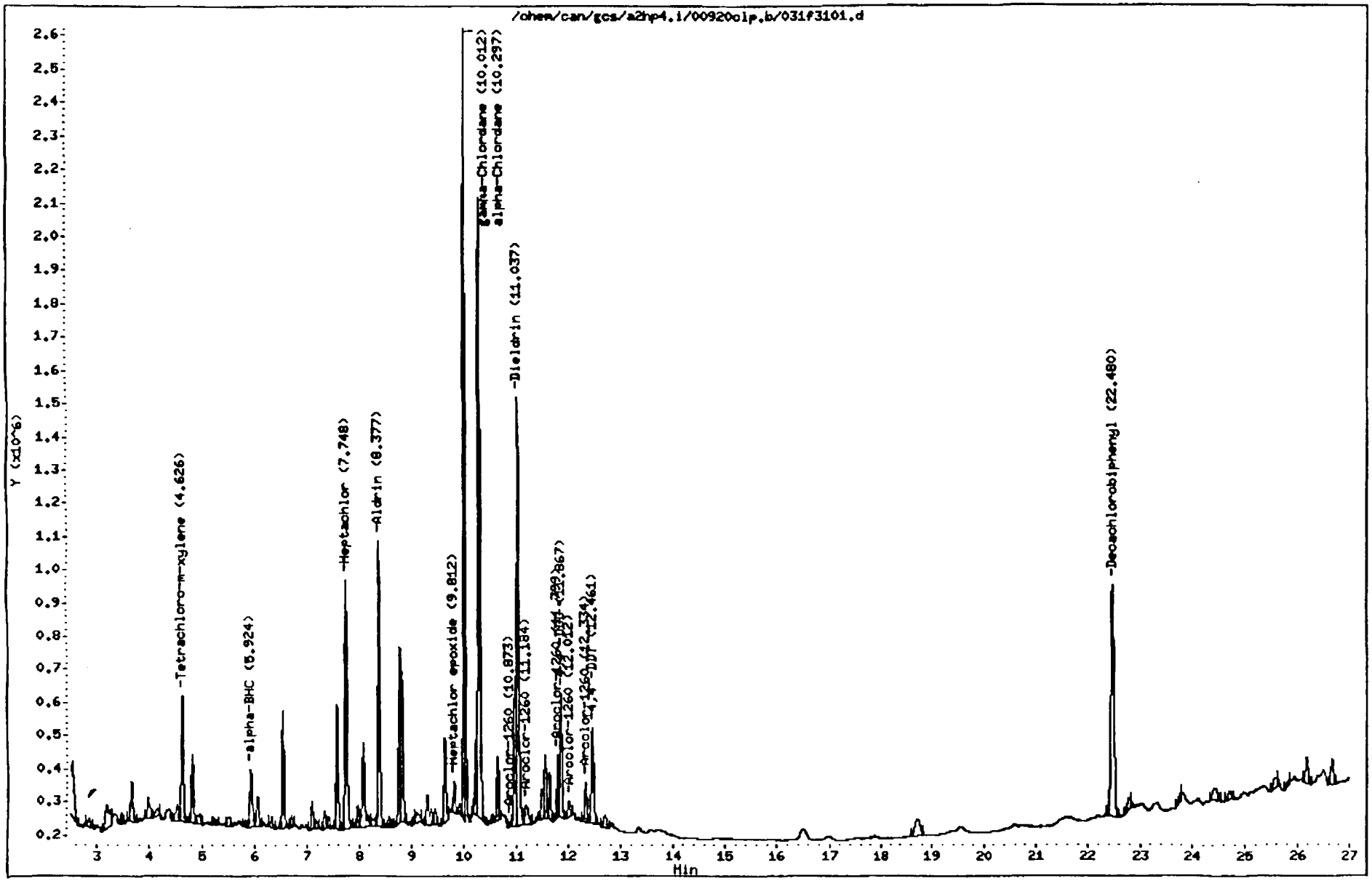
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/031f3101.d
Lab Smp Id: DJRNK101 Client Smp ID: SL51-4
Inj Date : 21-SEP-2000 15:56
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNK101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weigth of sample extracted (g)
M	26.99800	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	907219	0.00674	3.1	80.00- 120.00	100.00
4 Aroclor-1016					CAS #: 12674-11-2		
7.018	7.158	-0.140	94304	0.03849	18	80.00- 120.00	100.00
7.992	8.132	-0.140	204165	0.04019	18	187.31- 227.31	216.50
9.024	9.164	-0.140	13380	0.00138	0.63	374.62- 414.62	14.19
9.322	9.462	-0.140	119913	0.02923	13	147.45- 187.45	127.16
10.258	10.398	-0.140	1603277	109.588	50000	0.00- 20.60	1700.11
Average of Peak Concentrations =					10000		
10 Aroclor-1248					CAS #: 12672-29-6		
9.019	9.159	-0.140	13380	0.00265	1.2	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aroclor-1248 (continued)							
9.320	9.460	-0.140	119913	0.06046	28	19.30- 59.30	896.18
10.439	10.579	-0.140	1253217	0.77182	350	12.18- 52.18	9365.96
10.618	10.758	-0.140	166157	0.03406	16	76.66- 116.66	1241.78
11.268	11.408	-0.140	155704	0.02980	14	83.54- 123.54	1163.66
Average of Peak Concentrations =					82		
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	1763097	0.01396	6.4	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	2421897	0.01502	6.8	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	876854	0.00653	3.0	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	6227805	0.04503	20	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	5205092	0.03785	17	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	3439028	0.02534	12	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	747040	0.00523	2.4	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	1139666	0.01148	5.2	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	784853	0.00869	4.0	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2906188	0.03075	14	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/a2hp4.i/00920clp-r.b/031f3101.d

Page 3

Date : 21-SEP-2000 15:56

Client ID: SL51-4

Instrument: a2hp4.i

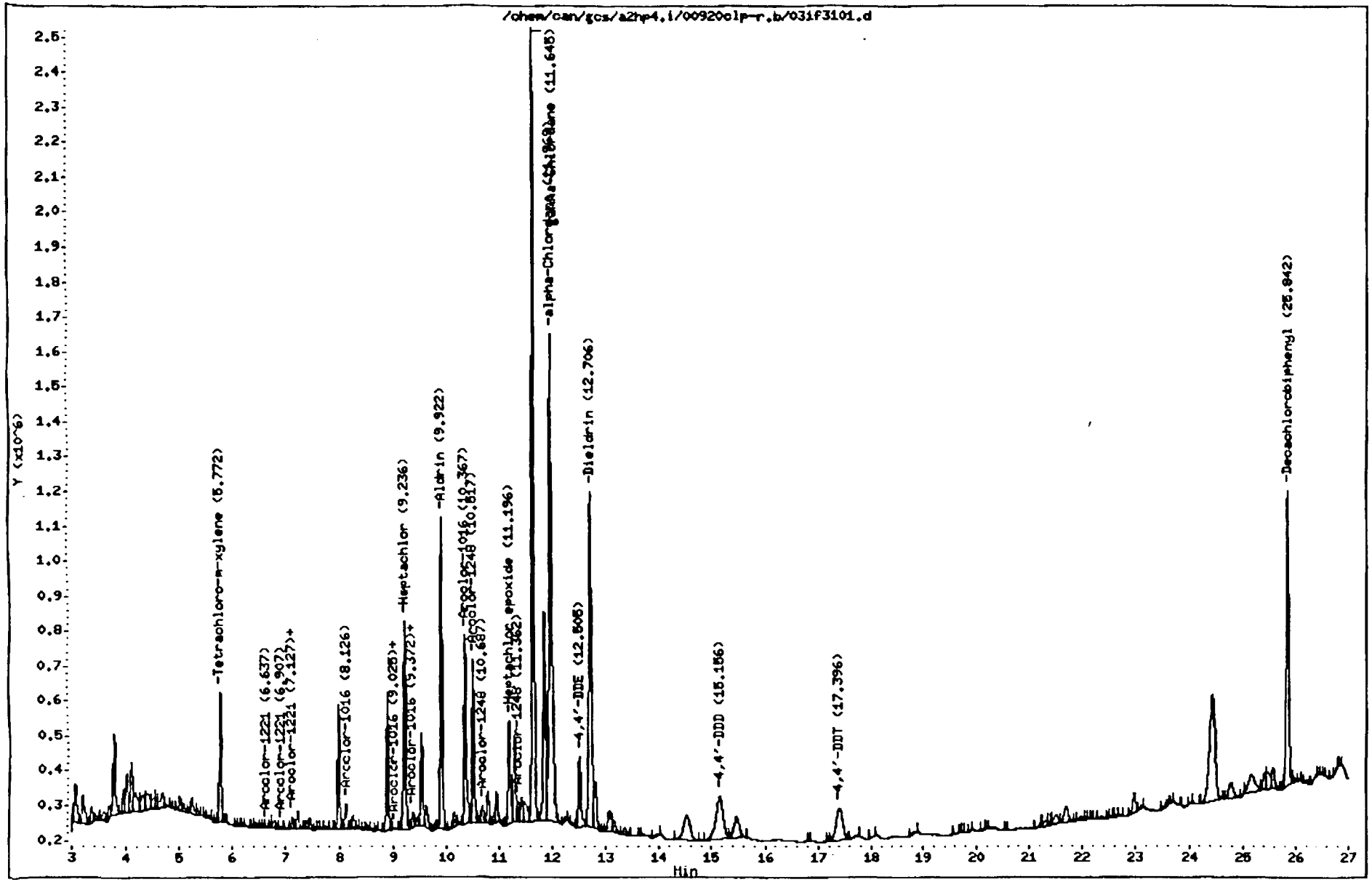
Sample Info: DJRNK101

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL51-4RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNK201

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 044F4401

% Moisture: 27 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/00

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/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	1.1	U
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	1.4	JPB
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/044f4401.d
Lab Smp Id: DJRNK201 Client Smp ID: SL51-4RE
Inj Date : 13-OCT-2000 17:14
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNK201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 27-Oct-2000 11:29 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	27.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	6414672	0.03415	15	80.00- 120.00	100.00(R)
9 Heptachlor					CAS #: 76-44-8		
7.182	7.282	-0.100	11151969	0.04959	22	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	670189	0.00300	1.4	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	1399868	0.00678	3.1	80.00- 120.00	100.00

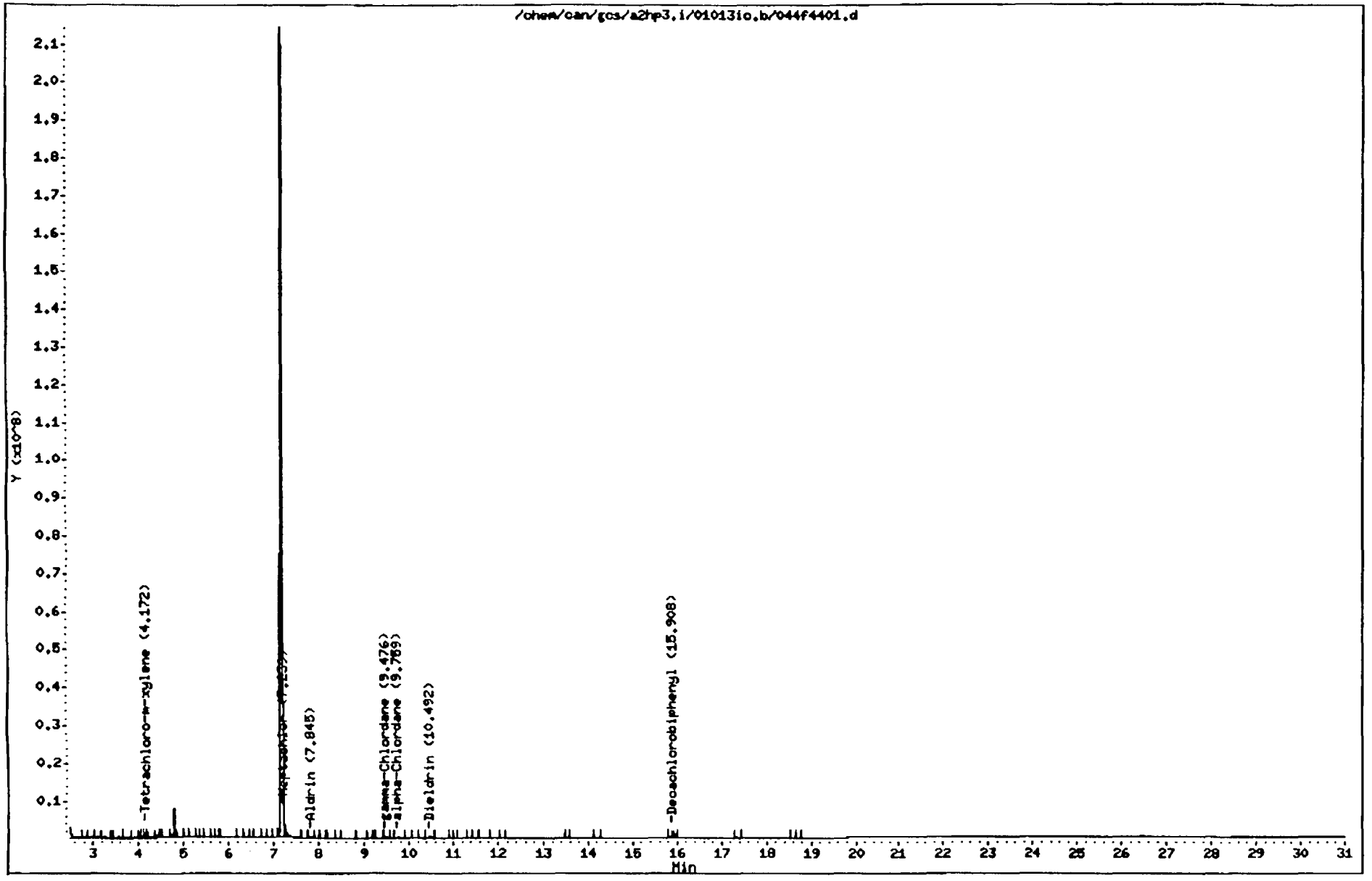
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
9.691	9.831	-0.140	966826	0.00489	2.2	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	1434412	0.00692	3.1	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	5687816	0.03617	16	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01013io.b/044f4401.d
Date : 13-OCT-2000 17:14
Client ID: SL51-4RE
Sample Info: DJRNK201
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/044f4401.d
Lab Smp Id: DJRNK201 Client Smp ID: SL51-4RE
Inj Date : 13-OCT-2000 17:14
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNK201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 27-Oct-2000 11:32 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weigth of sample extracted (g)
M	27.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	46731	0.000329	0.15	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.017	6.157	-0.140	1163405	0.69611	320	80.00- 120.00	100.00
6.352	6.492	-0.140	79990	0.07030	32	48.08- 88.08	6.88
6.488	6.628	-0.140	651328	0.15949	72	224.38- 264.38	55.96
Average of Peak Concentrations =					140		
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	651328	0.19856	90	80.00- 120.00	100.00
7.443	7.583	-0.140	111238	0.04443	20	56.33- 96.33	17.08

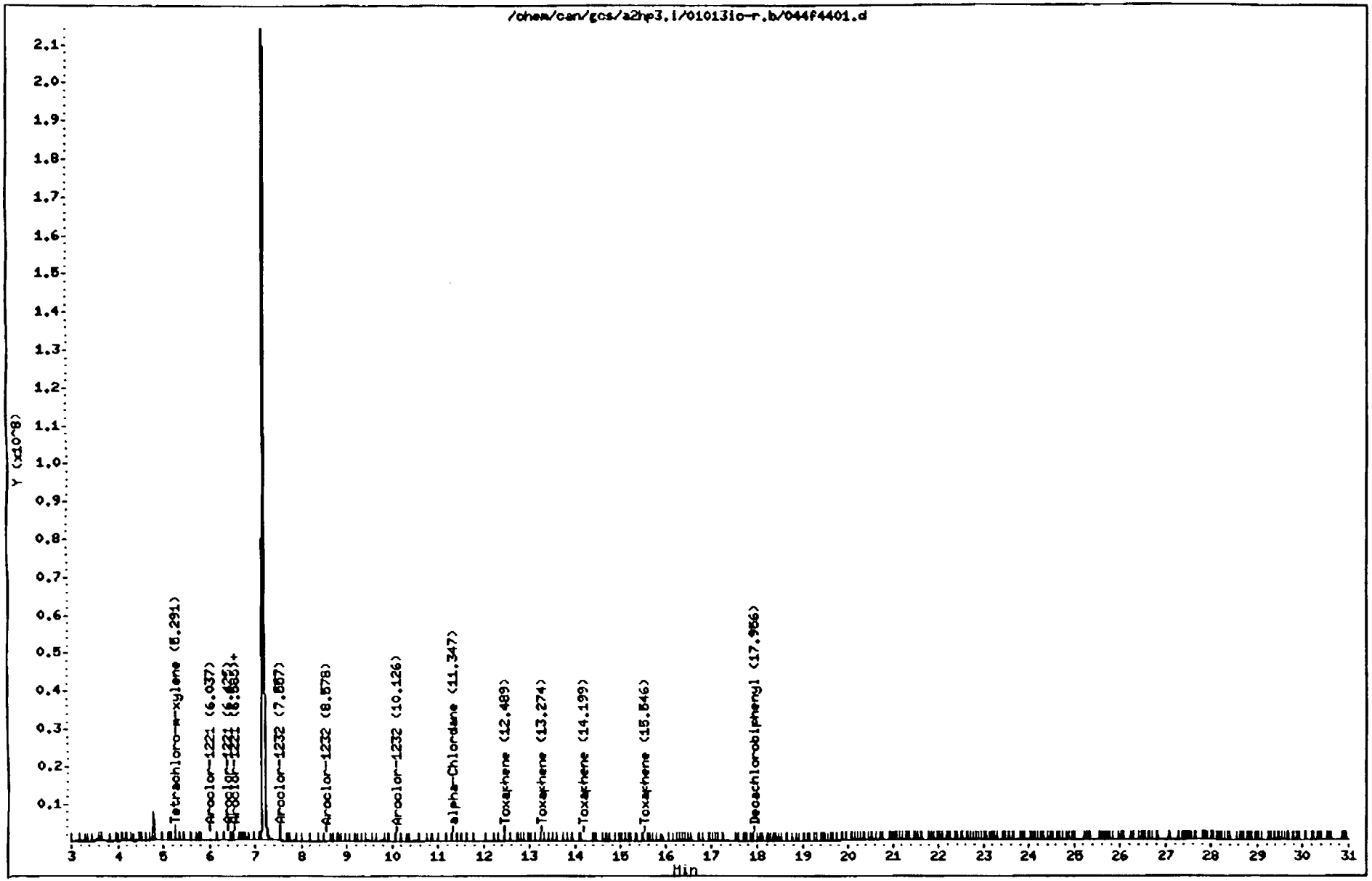
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (pg)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232 (continued)							
8.456	8.596	-0.140	61171	0.01345	6.1	118.67- 158.67	9.39
10.024	10.164	-0.140	248935	0.16124	73	27.07- 67.07	38.22
Average of Peak Concentrations =					47		
17 alpha-Chlordane					CAS #: 5103-71-9		
11.279	11.419	-0.140	489753	0.00318	1.4	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	25922	0.000235	0.11	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/a2hp3.i/010131c-r.b/044f4401.d
Date : 13-OCT-2000 17:14
Client ID: SL51-4RE
Sample Info: DJRNK201
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.

SL51-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNG101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 020F2001

% Moisture: 62 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted: 09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 2.0

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	9.6	P
319-85-7	beta-BHC	6.1	JP
319-86-8	delta-BHC	21	P
58-89-9	gamma-BHC(Lindane)	24	
76-44-8	Heptachlor	76	
309-00-2	Aldrin	210	
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	20	
60-57-1	Dieldrin	220	
72-55-9	4,4'-DDE	110	P
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	330	C
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	73	
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	17	U
5103-71-9	alpha-Chlordane	420	PC
5103-74-2	gamma-Chlordane	1000	C
8001-35-2	Toxaphene	870	U
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/020f2001.d
Lab Smp Id: DJRNG101 Client Smp ID: SL51-6
Inj Date : 21-SEP-2000 10:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNG101,2
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 20
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weight of sample extracted (g)
M	61.91700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	539861	0.00434	7.6	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	1409111	0.00791	14	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	2079367	0.01414	25	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	5276505	0.04375	76	80.00- 120.00	100.00

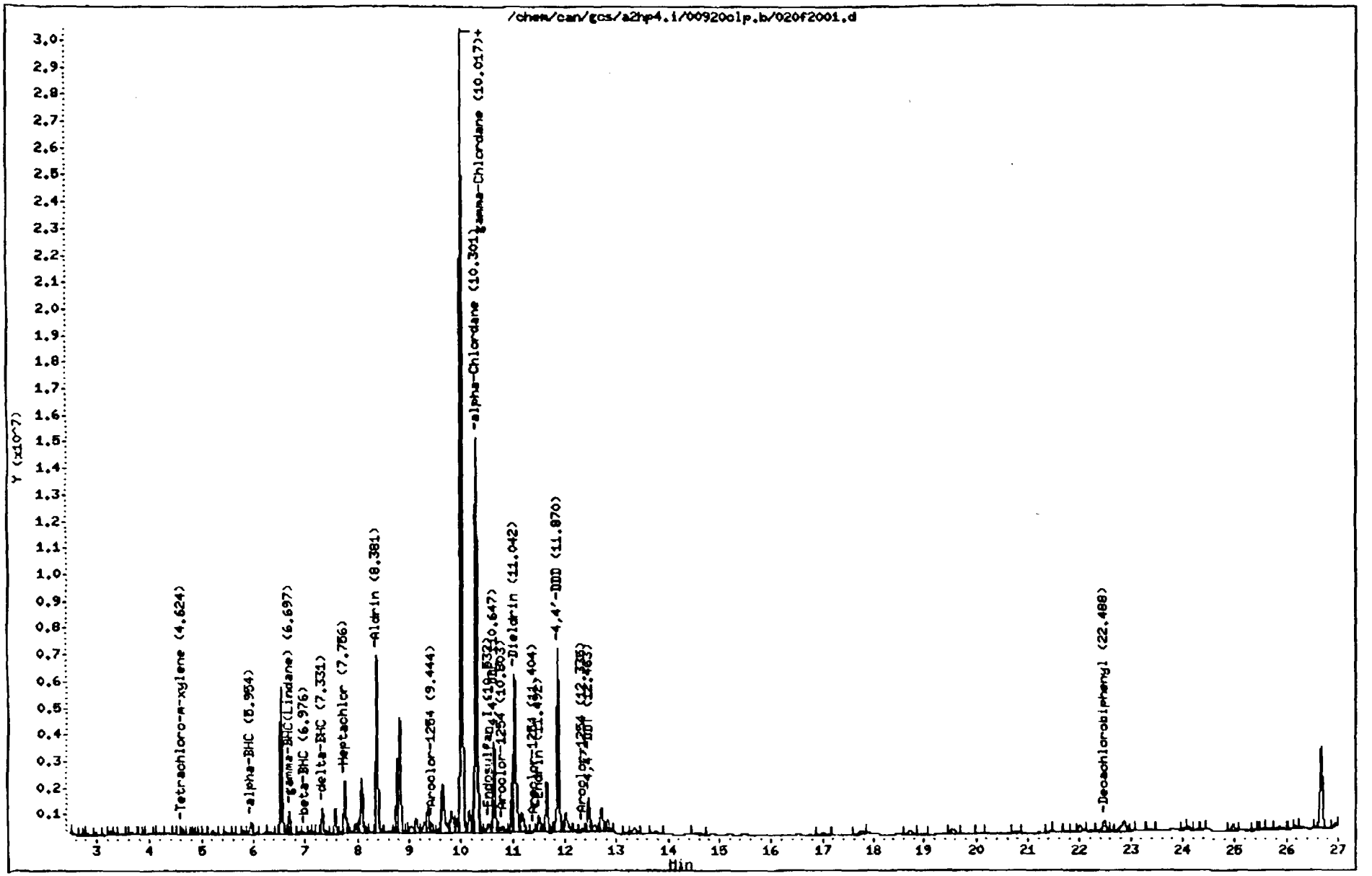
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	17885992	0.11844	210	80.00- 120.00	100.00
11 Aroclor-1254					CAS #: 11097-69-1		
9.370	9.510	-0.140	1018046	0.22531	390	80.00- 120.00	100.00
9.930	10.070	-0.140	80662565	12.0641	21000	127.97- 167.97	7923.27
10.733	10.873	-0.140	990048	0.13900	240	137.63- 177.63	97.25
11.307	11.447	-0.140	235309	0.04681	82	91.25- 131.25	23.11
12.267	12.407	-0.140	367186	0.05234	91	135.27- 175.27	36.07
Average of Peak Concentrations =					4400		
12 beta-BHC					CAS #: 319-85-7		
6.923	7.023	-0.100	222100	0.00349	6.1	80.00- 120.00	100.00(a)
13 delta-BHC					CAS #: 319-86-8		
7.279	7.379	-0.100	2537230	0.01604	28	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.459	10.599	-0.140	1437651	0.01218	21	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	80662565	0.58471	1000	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	43160844	0.31872	560	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	8877272	0.06337	110	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	18006765	0.13550	240	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	1819345	0.01810	32	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	19370457	0.19060	330	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	4054017	0.04204	73	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	1974203	0.01920	34	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/a2hp4.i/00920olp.b/020f2001.d
Date : 21-SEP-2000 10:00
Client ID: SL51-6
Sample Info: DJRNG101,2
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/020f2001.d
Lab Smp Id: DJRNG101 Client Smp ID: SL51-6
Inj Date : 21-SEP-2000 10:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNG101,2
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 20
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weigth of sample extracted (g)
M	61.91700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	369429	0.00274	4.8	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.533	6.673	-0.140	87603	0.06151	110	80.00- 120.00	100.00(a)
6.880	7.020	-0.140	118473	0.12831	220	44.83- 84.83	135.24
7.018	7.158	-0.140	641797	0.18376	320	225.24- 265.24	732.62
Average of Peak Concentrations =					220		
3 alpha-BHC					CAS #: 319-84-6		
7.344	7.444	-0.100	1023659	0.00547	9.6	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
7.018	7.158	-0.140	641797	0.26193	460	80.00- 120.00	100.00
7.992	8.132	-0.140	496522	0.09775	170	187.31- 227.31	77.36
9.024	9.164	-0.140	172475	0.01784	31	374.62- 414.62	26.87
9.322	9.462	-0.140	1812350	0.44173	770	147.45- 187.45	282.39
10.258	10.398	-0.140	8696987	594.463	1000000	0.00- 20.60	1355.10
Average of Peak Concentrations =					210000		
7 beta-BHC					CAS #: 319-85-7		
8.485	8.585	-0.100	410499	0.00608	11	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	2104686	0.01351	24	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
9.141	9.241	-0.100	1995829	0.01212	21	80.00- 120.00	100.00
10 Aroclor-1248					CAS #: 12672-29-6		
9.019	9.159	-0.140	172475	0.03418	60	80.00- 120.00	100.00
9.320	9.460	-0.140	1812350	0.91383	1600	19.30- 59.30	1050.79
10.439	10.579	-0.140	12354343	7.60867	13000	12.18- 52.18	7162.97
10.618	10.758	-0.140	1174573	0.24073	420	76.66- 116.66	681.01
11.268	11.408	-0.140	2100347	0.40198	700	83.54- 123.54	1217.77
Average of Peak Concentrations =					3200		
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	5576596	0.04417	77	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	20100898	0.12470	220	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	8968844	0.06684	120	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	87673755	0.63386	1100	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.968	12.108	-0.140	1321004	0.01122	20	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	33299863	0.24214	420	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	17034256	0.12552	220	80.00- 120.00	100.00

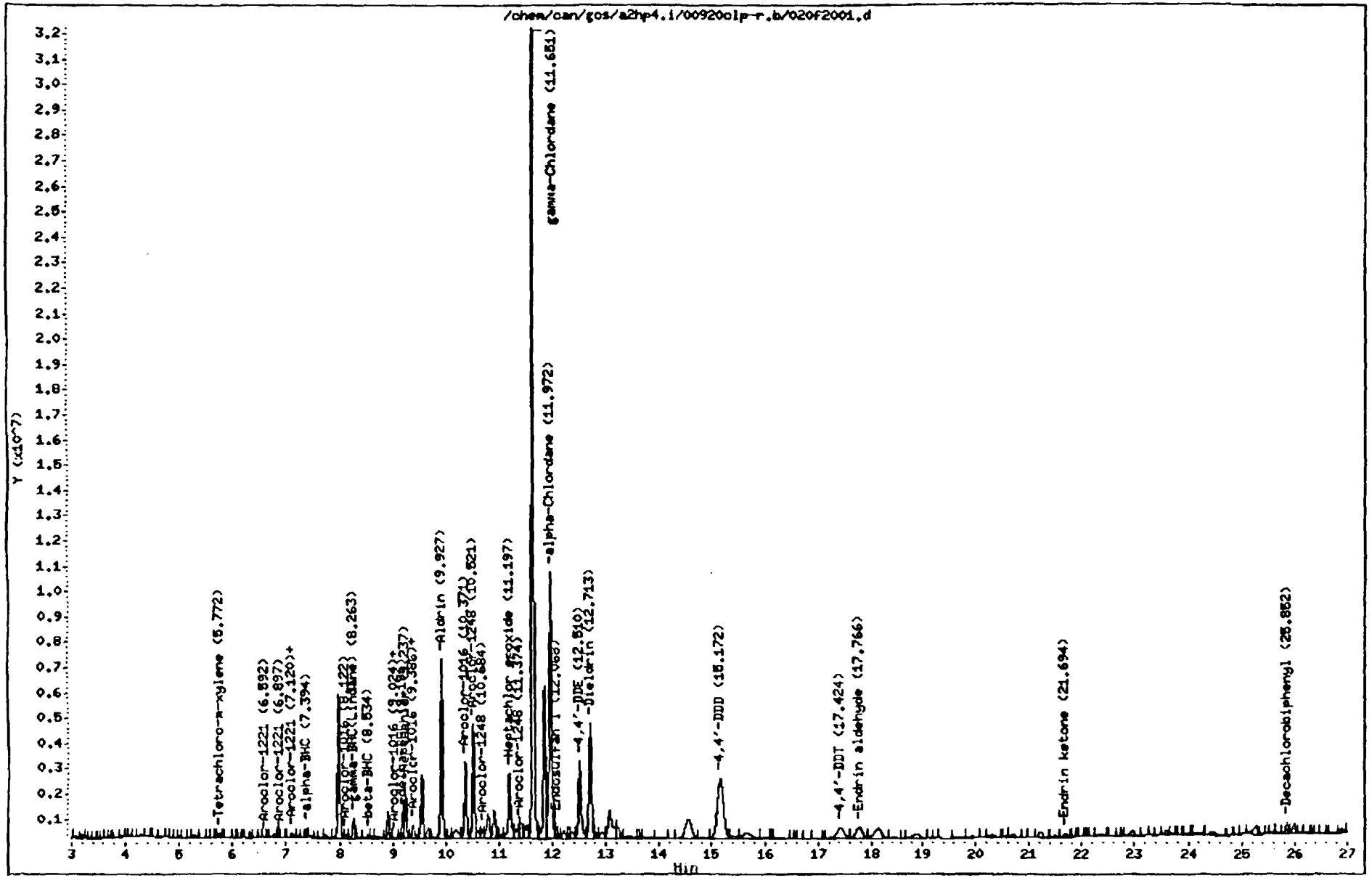
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	11143031	0.07804	140	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	19458797	0.19601	340	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.738	17.878	-0.140	3586005	0.04069	71	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	4147039	0.04592	80	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.622	21.762	-0.140	726156	0.00626	11	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	1427422	0.01510	26	80.00- 120.00	100.00

QC Flag Legend

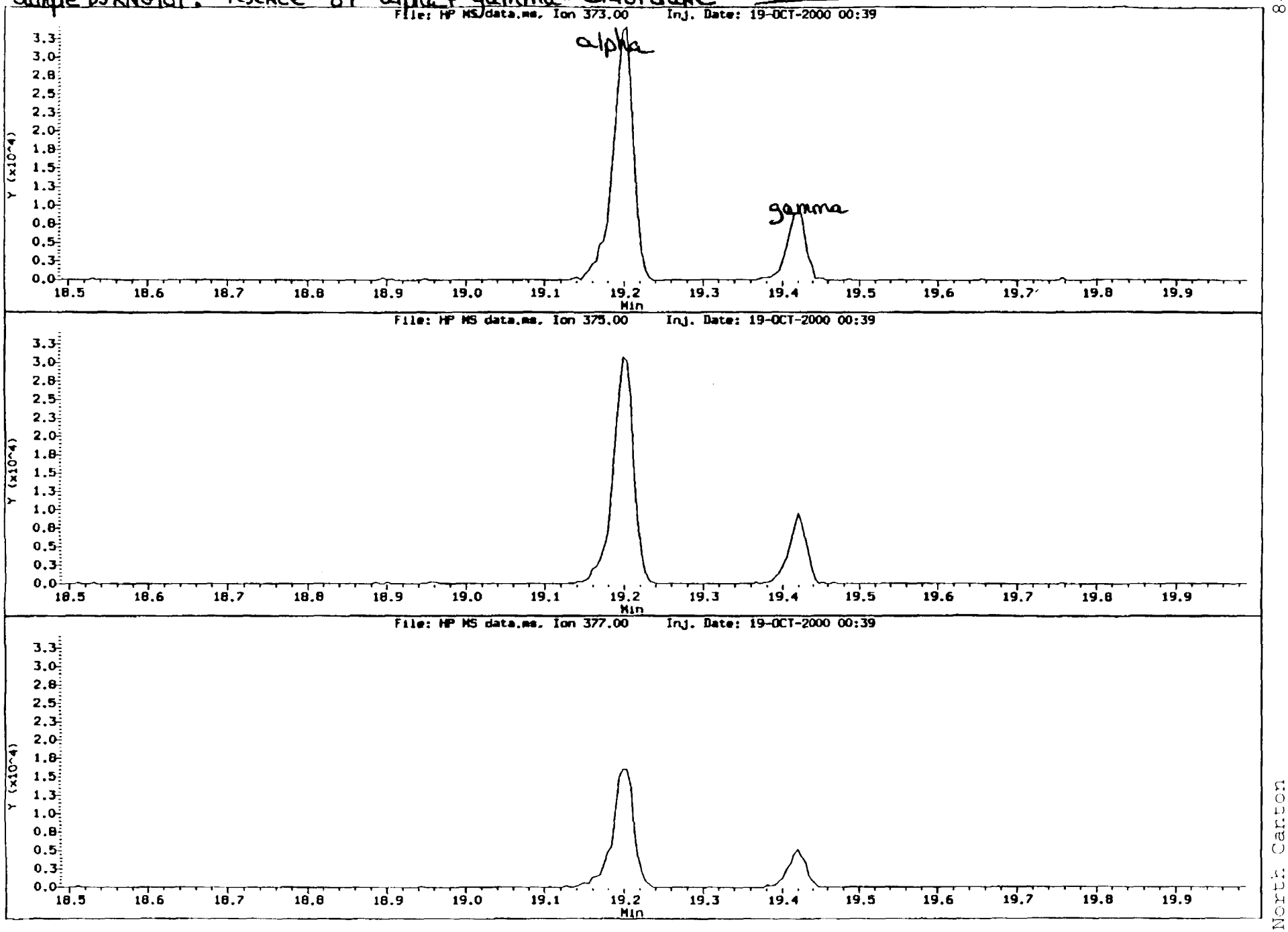
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/020f2001.d
Date : 21-SEP-2000 10:00
Client ID: SL61-6
Sample Info: DJRNC101,2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

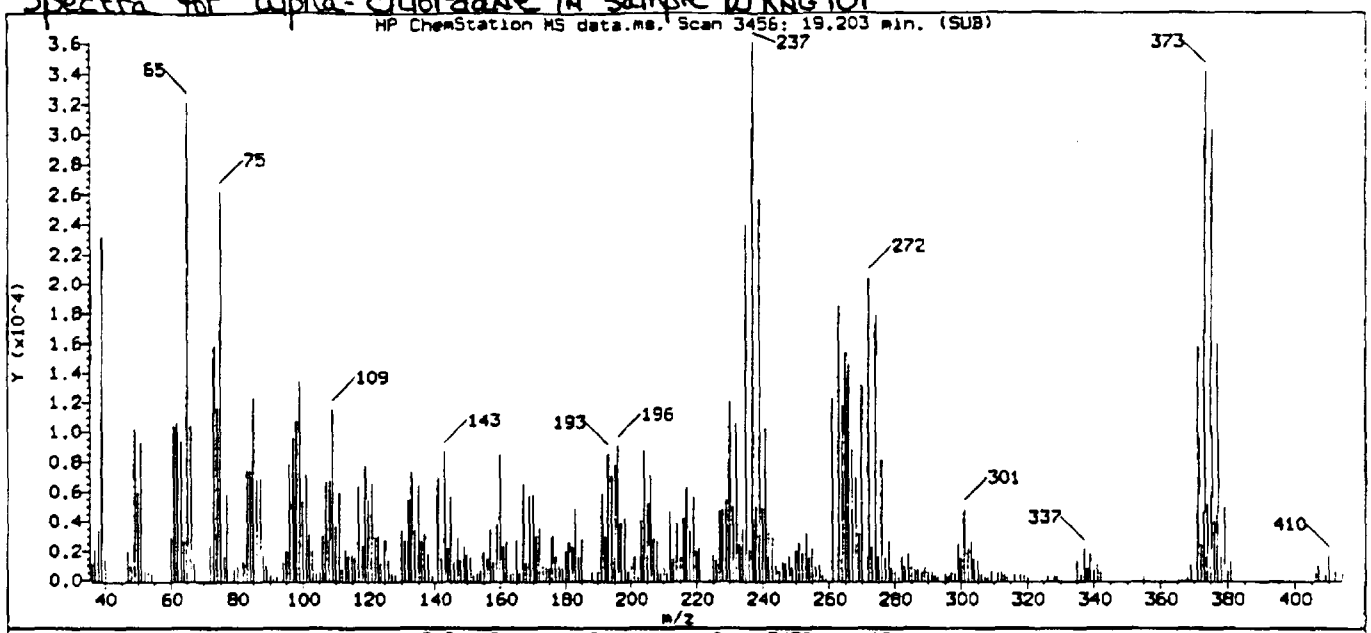
Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53

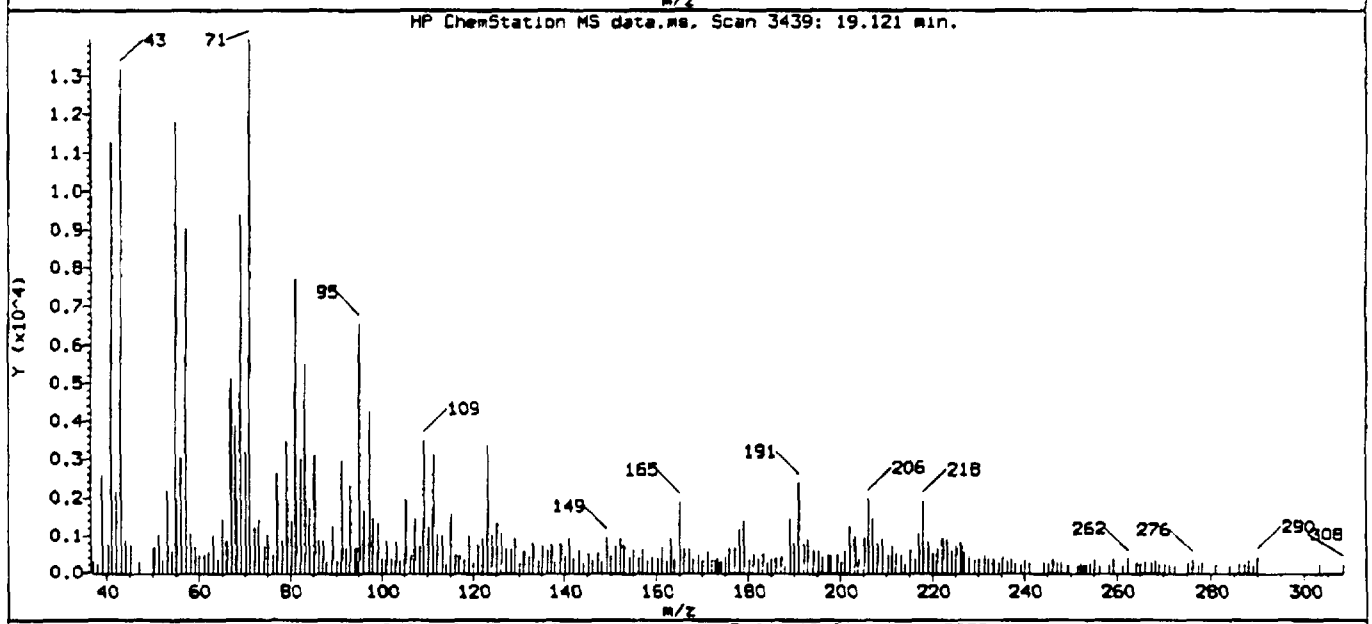


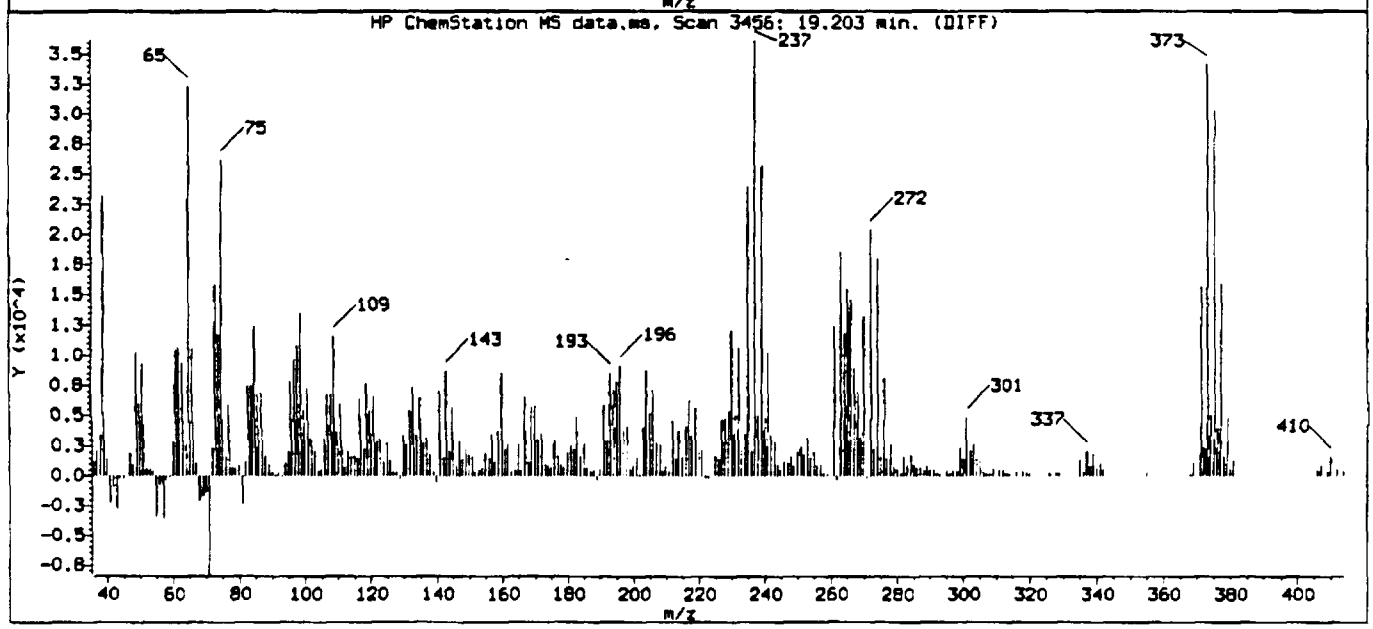
Sample DJRNG101: Presence of alpha + gamma-chlordane Confirmed.



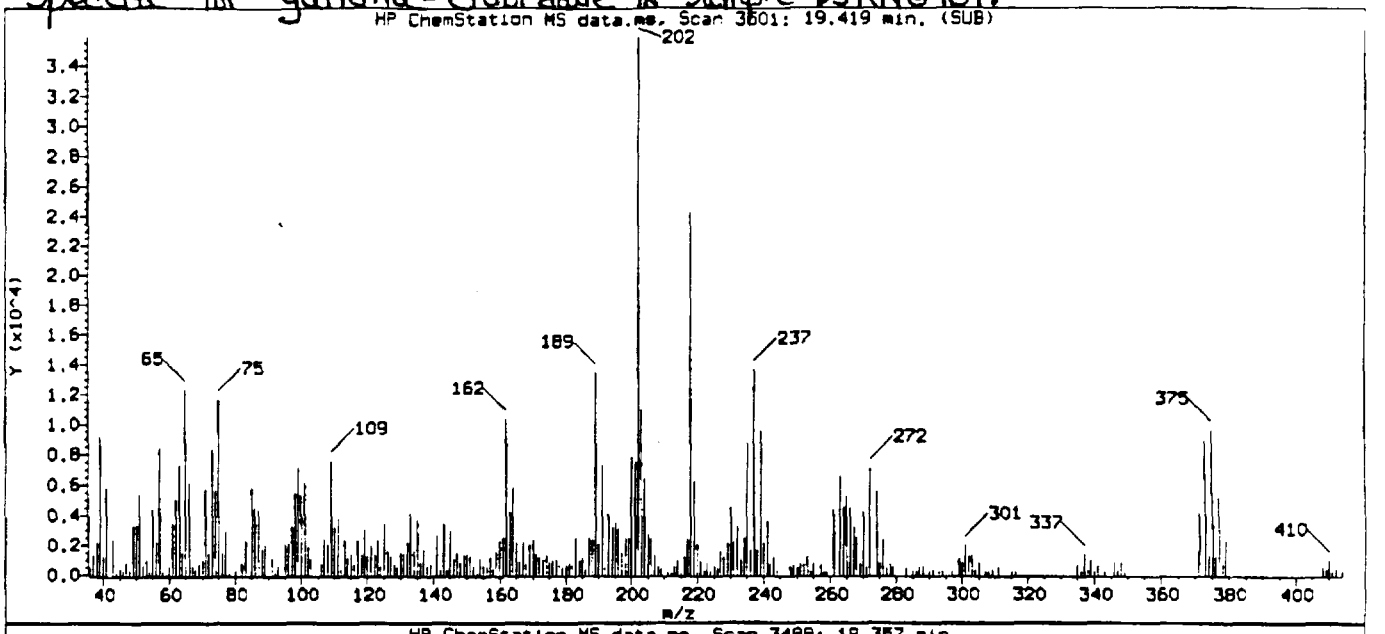
Spectra for alpha-chlordane in sample DJRNG101

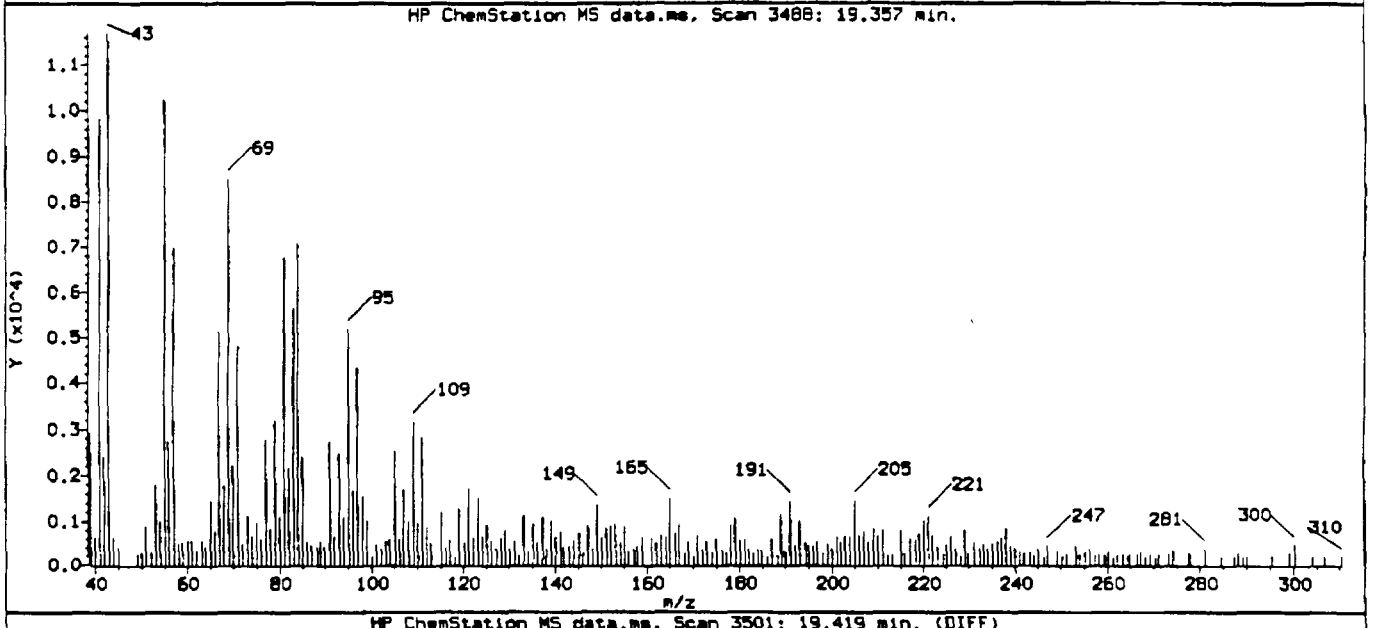


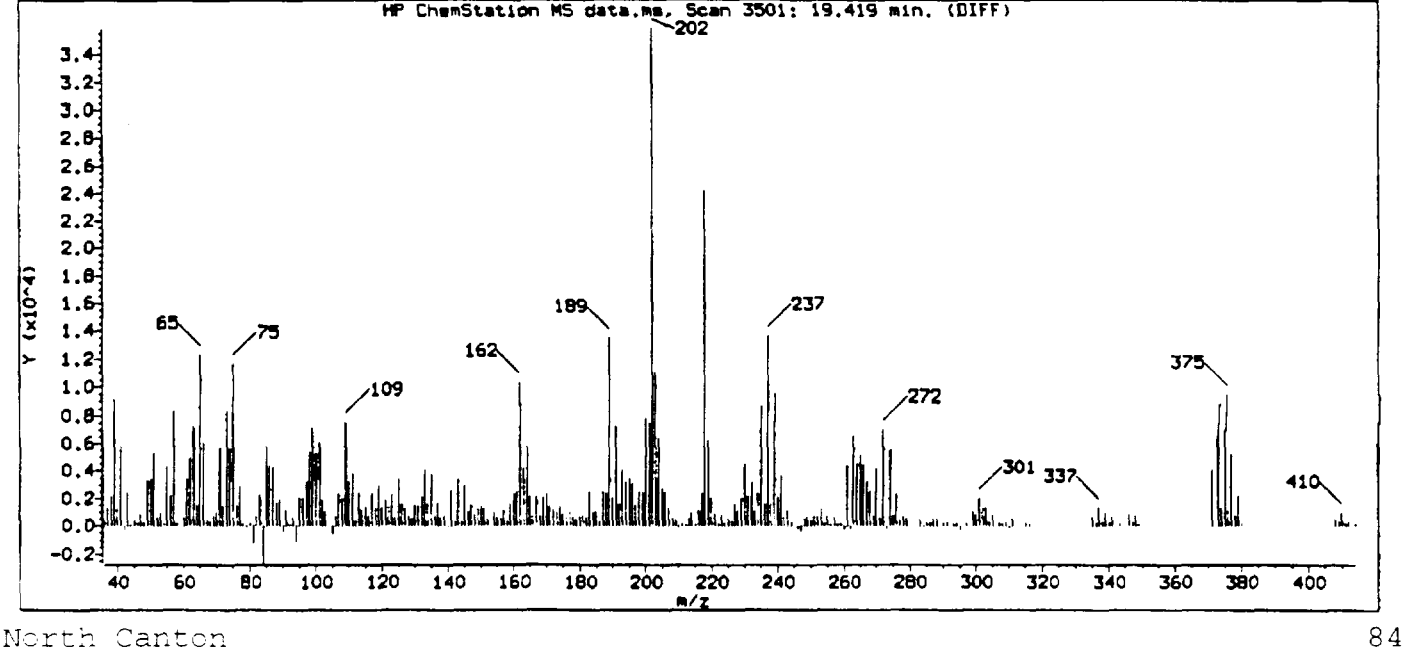




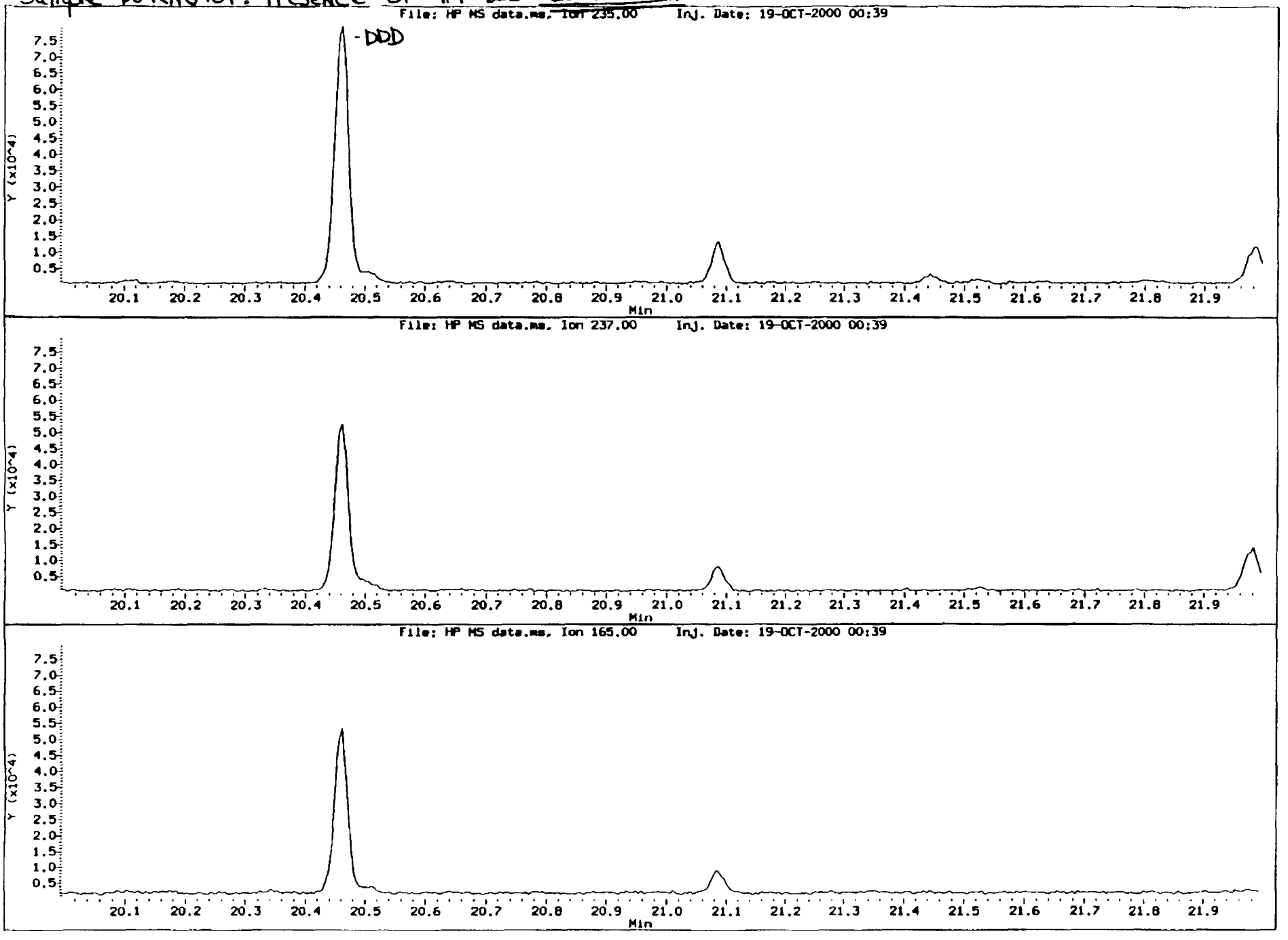
Spectra for gamma-chlordane in Sample DJRNG101.





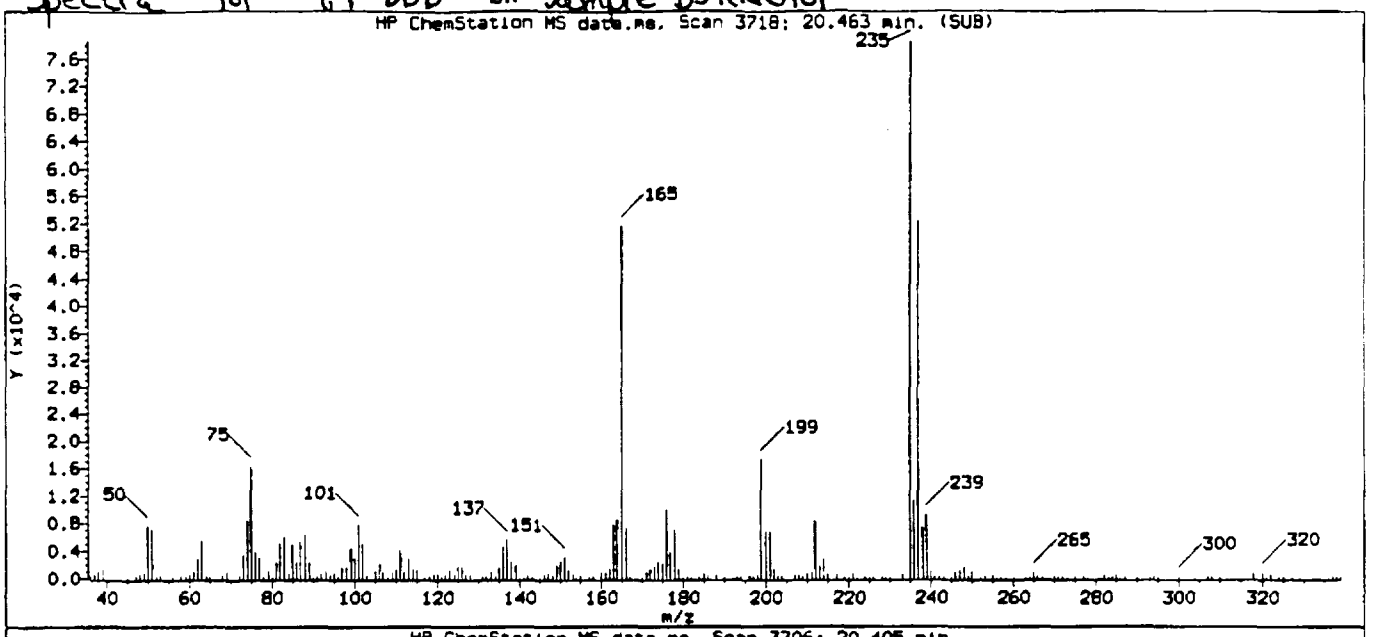


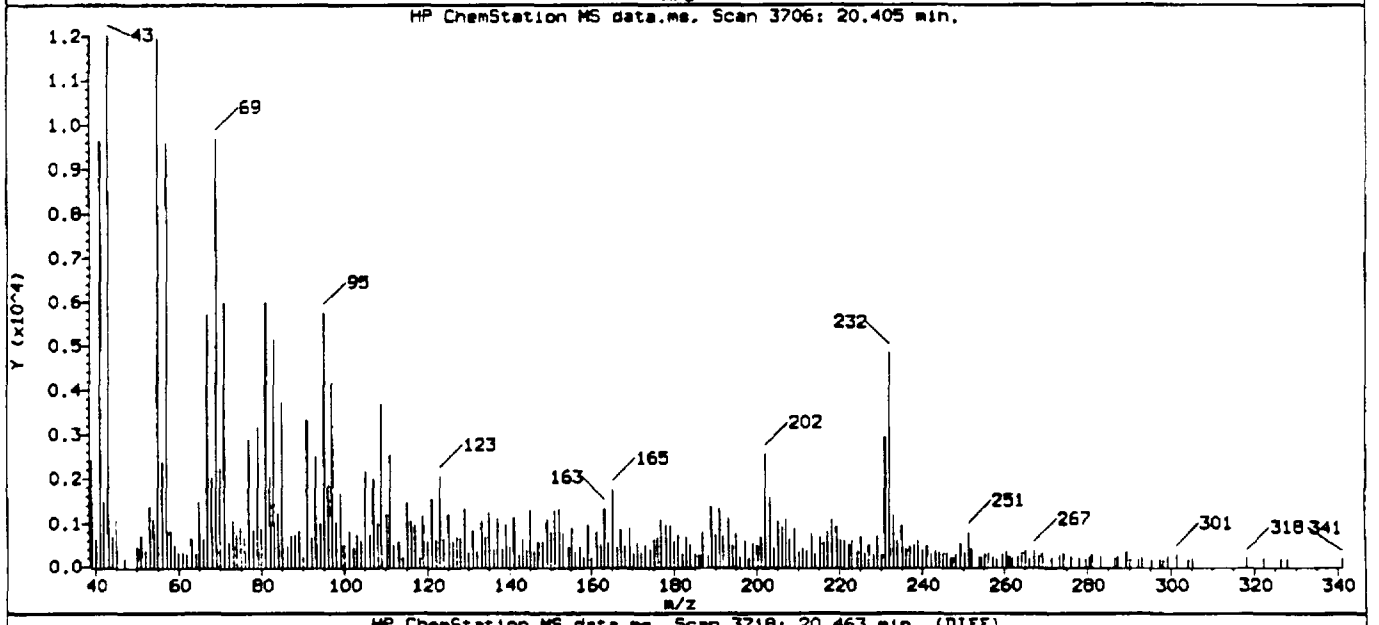
Sample DJRHG101: Presence of 4,4'-DDD Confirmed.

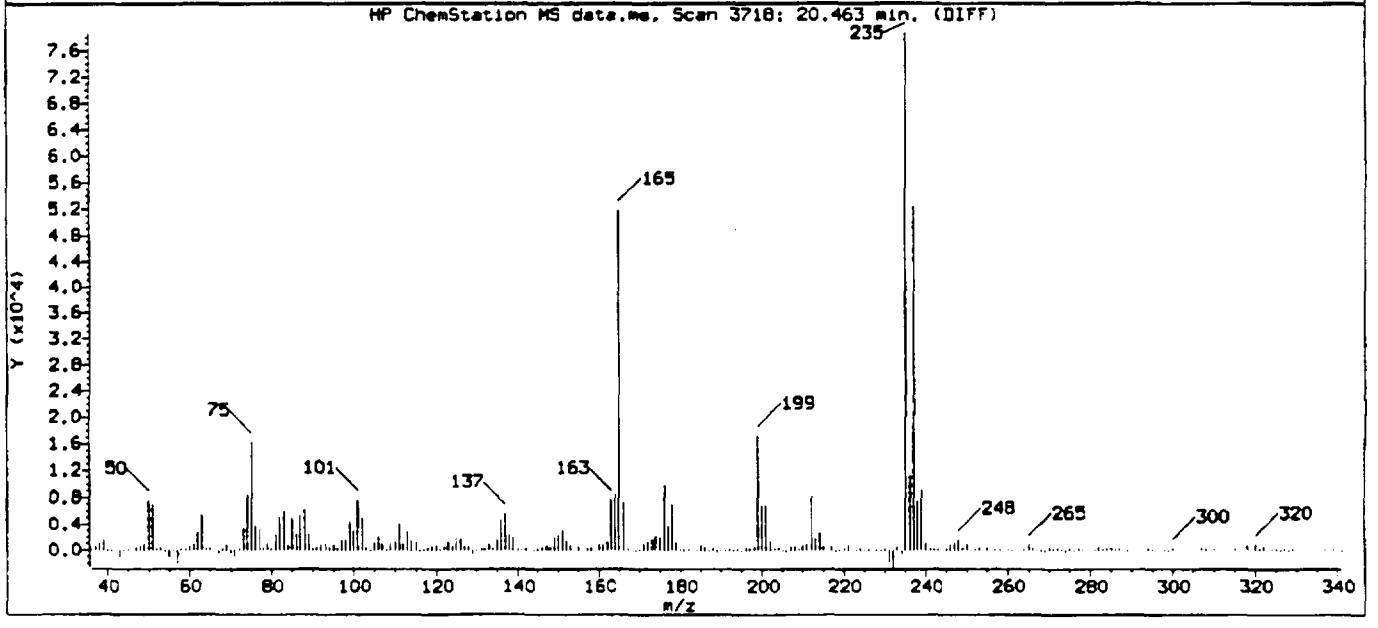


STL North Canton

Spectra for 4,4'-DDD in Sample DJRNG101







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL51-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNG301

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 019F1901

% Moisture: 62 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	87	U
319-85-7	beta-BHC	87	U
319-86-8	delta-BHC	87	U
58-89-9	gamma-BHC(Lindane)	87	U
76-44-8	Heptachlor	87	U
309-00-2	Aldrin	210	D
1024-57-3	Heptachlor epoxide	87	U
959-98-8	Endosulfan I	87	U
60-57-1	Dieldrin	190	D
72-55-9	4,4'-DDE	91	DJP
72-20-8	Endrin	170	U
33213-65-9	Endosulfan II	170	U
72-54-8	4,4'-DDD	260	D
1031-07-8	Endosulfan sulfate	170	U
50-29-3	4,4'-DDT	170	U
72-43-5	Methoxychlor	870	U
53494-70-5	Endrin ketone	44	U
7421-93-4	Endrin aldehyde	170	U
5103-71-9	alpha-Chlordane	390	DPC
5103-74-2	gamma-Chlordane	990	DC
8001-35-2	Toxaphene	8700	U
12674-11-2	Aroclor-1016	1700	U
11104-28-2	Aroclor-1221	3500	U
11141-16-5	Aroclor-1232	1700	U
53469-21-9	Aroclor-1242	1700	U
12672-29-6	Aroclor-1248	1700	U
11097-69-1	Aroclor-1254	1700	U
11096-82-5	Aroclor-1260	1700	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/019f1901.d
Lab Smp Id: DJRNG101 Client Smp ID: SL51-6DL
Inj Date : 21-SEP-2000 09:28
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNG101,20
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 19
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	20.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weight of sample extracted (g)
M	61.91700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	59138	0.000475	8.3	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	529258	0.00433	77	80.00- 120.00	100.00(a)
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	1821016	0.01206	210	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	7801579	0.05655	990	80.00- 120.00	100.00

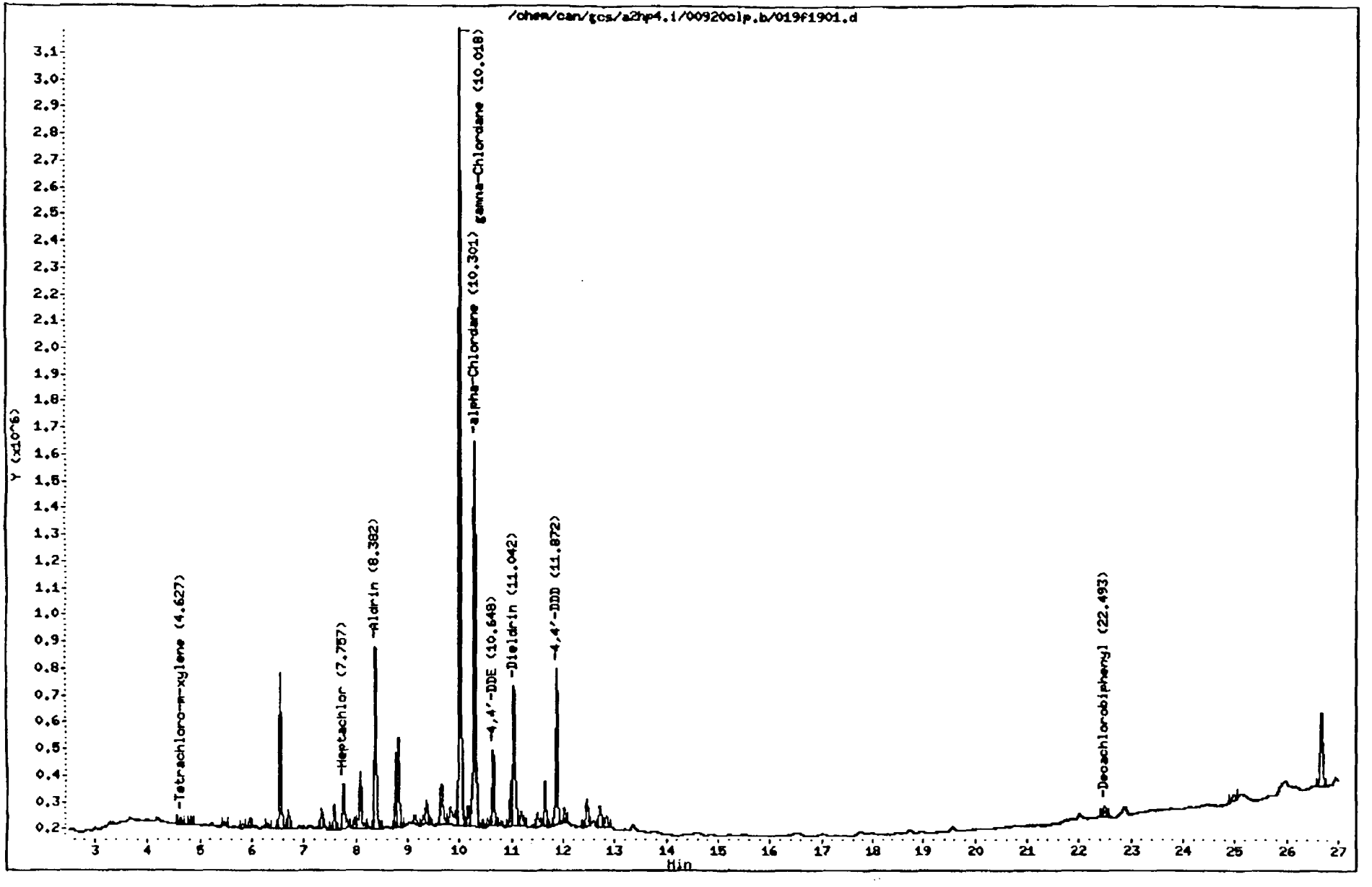
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	4383242	0.03237	560	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	728800	0.00520	91	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	1574202	0.01185	210	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	1613209	0.01587	280	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	171184	0.00166	29	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/a2hp4.i/00920clp.b/019f1901.d
Date : 21-SEP-2000 09:28
Client ID: SL51-6DL
Sample Info: DJRNG101,20
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/019f1901.d
Lab Smp Id: DJRNG101 Client Smp ID: SL51-6DL
Inj Date : 21-SEP-2000 09:28
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNG101,20
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 19
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	20.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weigth of sample extracted (g)
M	61.91700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	37042	0.000275	4.8	80.00- 120.00	100.00
4 Aroclor-1016					CAS #: 12674-11-2		
7.018	7.158	-0.140	69277	0.02827	490	80.00- 120.00	100.00
7.992	8.132	-0.140	41200	0.00811	140	187.31- 227.31	59.47
9.024	9.164	-0.140	9829	0.00102	18	374.62- 414.62	14.19
9.322	9.462	-0.140	167684	0.04087	710	147.45- 187.45	242.05
10.258	10.398	-0.140	898769	61.4333	1100000	0.00- 20.60	1297.35
Average of Peak Concentrations =					220000		
10 Aroclor-1248					CAS #: 12672-29-6		
9.019	9.159	-0.140	9829	0.00195	34	80.00- 120.00	100.00

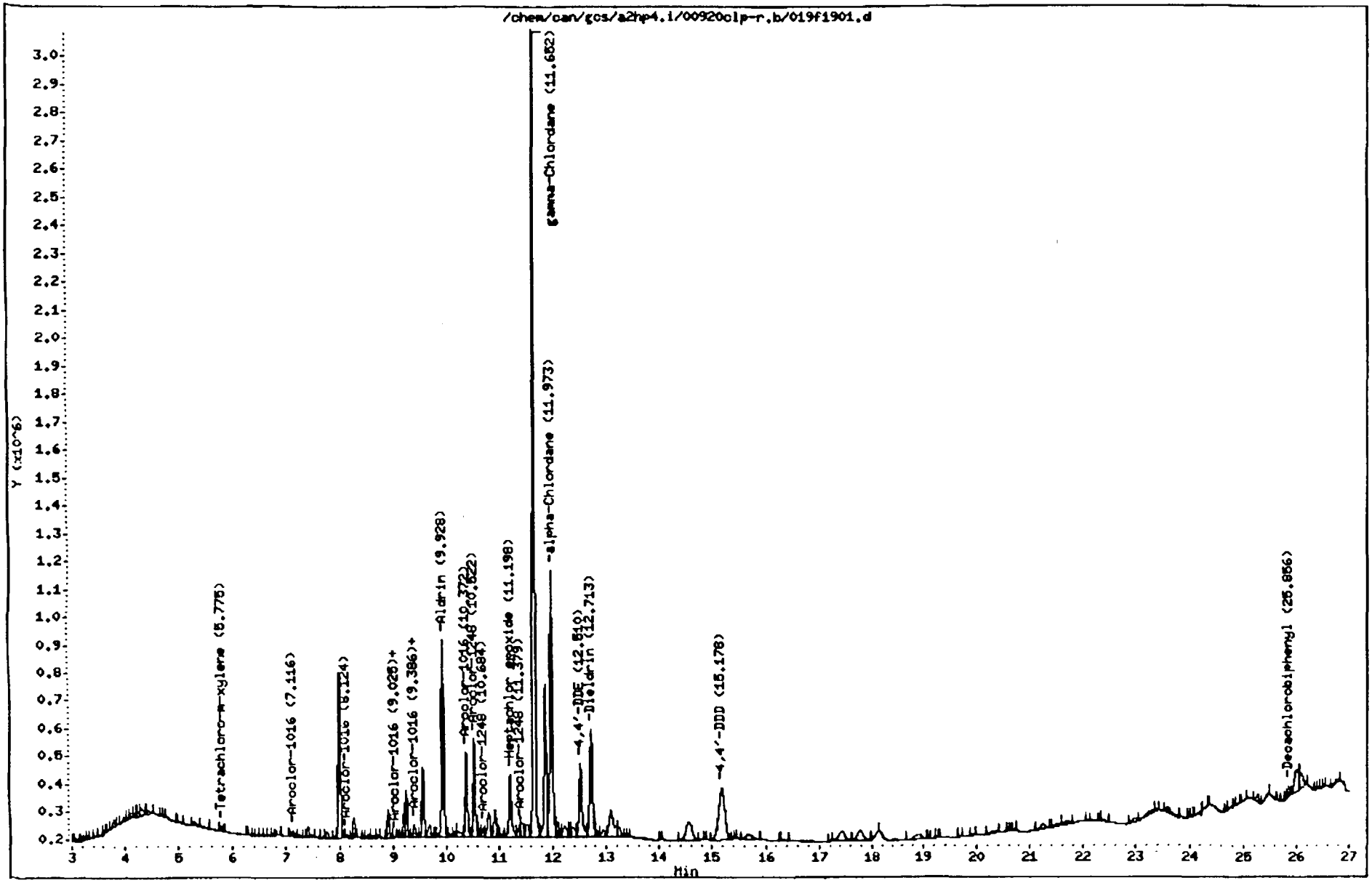
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aroclor-1248 (continued)							
9.320	9.460	-0.140	167684	0.08455	1500	19.30- 59.30	1705.88
10.439	10.579	-0.140	967376	0.59578	10000	12.18- 52.18	9841.26
10.618	10.758	-0.140	109147	0.02238	390	76.66- 116.66	1110.38
11.268	11.408	-0.140	155071	0.02968	520	83.54- 123.54	1577.56
Average of Peak Concentrations =					2600		
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	2029110	0.01259	220	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	785169	0.00585	100	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	7935721	0.05737	1000	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	3048802	0.02217	390	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	1470890	0.01084	190	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	1053138	0.00738	130	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	1469280	0.01480	260	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	114237	0.00121	21	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/a2hp4.i/00920clp-r.b/019f1901.d
Date : 21-SEP-2000 09:28
Client ID: SL51-6DL
Sample Info: DJRNG101,20
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL51-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNG201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 046F4601

% Moisture: 62 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/00

Injection Volume: 1.0(uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	81	P
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC(Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	89	P
1024-57-3	Heptachlor epoxide	59	P
959-98-8	Endosulfan I	50	P
60-57-1	Dieldrin	110	P
72-55-9	4,4'-DDE	230	P
72-20-8	Endrin	16	JP
33213-65-9	Endosulfan II	12	P
72-54-8	4,4'-DDD	7.4	JP
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	74	P
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	17	U
5103-71-9	alpha-Chlordane	860	PCB
5103-74-2	gamma-Chlordane	10	PB
8001-35-2	Toxaphene	870	U
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/046f4601.d
Lab Smp Id: DJRNG201 Client Smp ID: SL51-6RE
Inj Date : 13-OCT-2000 18:29
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNG201,2
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 27-Oct-2000 11:29 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 46
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.01000	Weight of sample extracted (g)
M	61.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	4383133	0.02333	41	80.00- 120.00	100.00(R)
5 alpha-BHC					CAS #: 319-84-6		
5.418	5.518	-0.100	13071911	0.04636	81	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.145	6.245	-0.100	25913864	0.10300	180	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.182	7.282	-0.100	25545362	0.11360	200	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	127631439	0.57219	1000	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.422	6.522	-0.100	8017603	0.07729	140	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
6.769	6.869	-0.100	26229434	0.10853	190	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.139	9.279	-0.140	14125789	0.06947	120	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
9.914	10.054	-0.140	5401984	0.02841	50	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	274696866	1.32972	2300	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
9.691	9.831	-0.140	172529008	0.87323	1500	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.058	10.198	-0.140	26284782	0.13381	230	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	90751437	0.43781	760	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
10.863	11.003	-0.140	10000802	0.06113	110	80.00- 120.00	100.00
23 Endosulfan II					CAS #: 33213-65-9		
11.335	11.475	-0.140	9095665	0.04926	86	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.279	11.419	-0.140	75307791	0.49196	860	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.834	11.974	-0.140	31155831	0.20357	360	80.00- 120.00	100.00
26 Endrin aldehyde					CAS #: 7421-93-4		
12.223	12.363	-0.140	1893092	0.01315	23	80.00- 120.00	100.00
29 Endrin ketone					CAS #: 53494-70-5		
13.590	13.730	-0.140	2274615	0.01204	21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	2753443	0.01751	31	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/oan/gcs/a2hp3.i/01013ic.b/046f4601.d

Page 4

Date : 13-OCT-2000 18:29

Client ID: SL51-6RE

Instrument: a2hp3.i

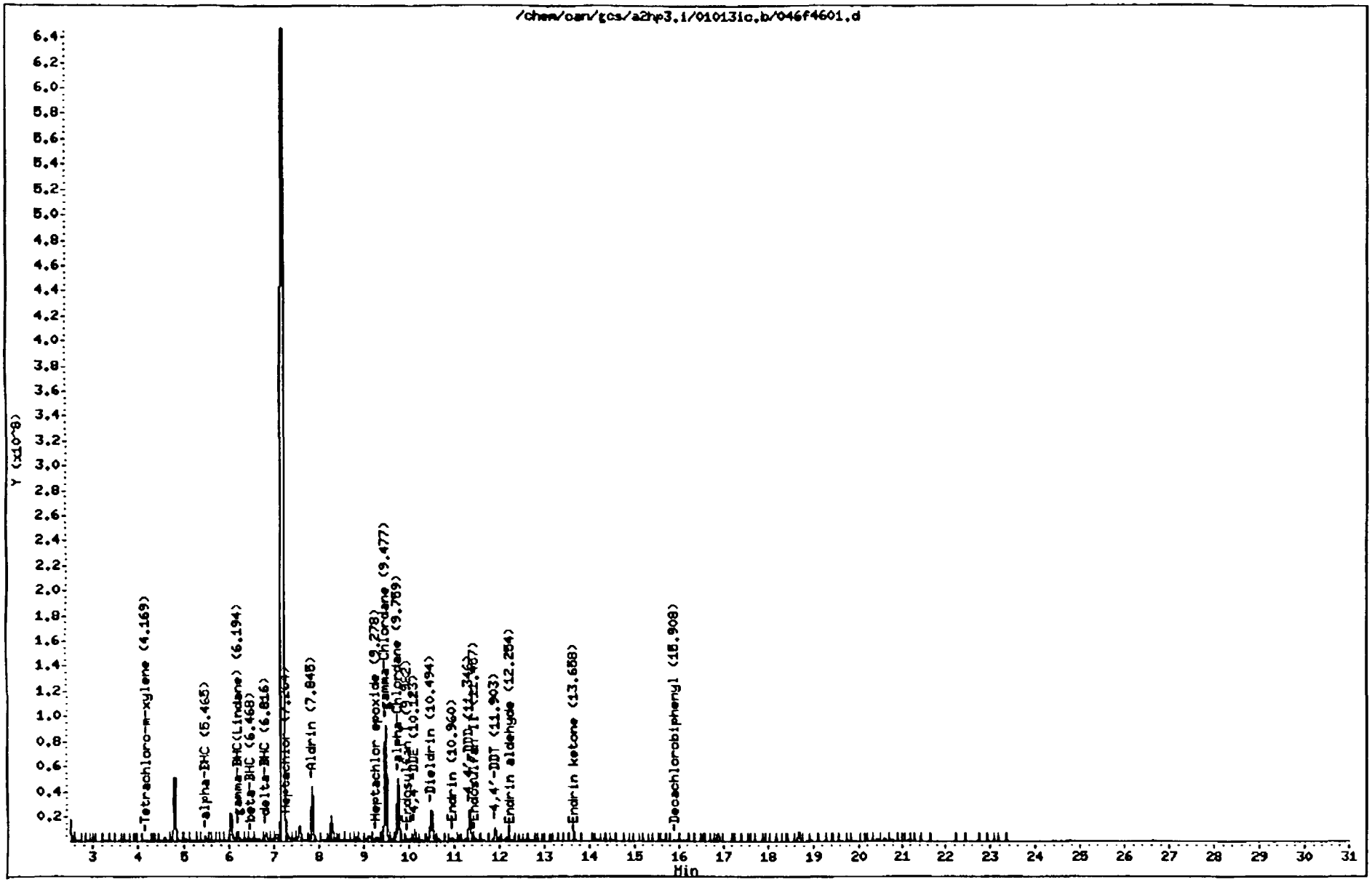
Sample Info: DJRNG201,2

Volume Injected (uL): 1.0

Operator: 001754

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



862

STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/046f4601.d
Lab Smp Id: DJRNG201 Client Smp ID: SL51-6RE
Inj Date : 13-OCT-2000 18:29
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNG201,2
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 27-Oct-2000 11:32 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 46
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.01000	Weigth of sample extracted (g)
M	61.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
6.017	6.157	-0.140	62118282	37.1676	65000	80.00- 120.00	100.00
6.352	6.492	-0.140	492744	0.43304	760	48.08- 88.08	0.79
6.488	6.628	-0.140	3103406	0.75994	1300	224.35- 264.35	5.00
Average of Peak Concentrations =					22000		
3 alpha-BHC					CAS #: 319-84-6		
6.802	6.902	-0.100	14298834	0.06900	120	80.00- 120.00	100.00
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	3103406	0.94607	1600	80.00- 120.00	100.00
7.443	7.583	-0.140	34133952	13.6328	24000	56.33- 96.33	1099.89

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (pg)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232 (continued)							
8.456	8.596	-0.140	2364885	0.51989	910	118.67- 158.67	76.20
10.024	10.164	-0.140	26153916	16.9403	30000	27.07- 67.07	842.75
Average of Peak Concentrations =					14000		
4 Aroclor-1016					CAS #: 12674-11-2		
6.490	6.630	-0.140	3103406	1.09895	1900	80.00- 120.00	100.00
7.444	7.584	-0.140	34133952	6.23893	11000	173.74- 213.74	1099.89
8.457	8.597	-0.140	2364885	0.22221	390	356.86- 396.86	76.20
9.773	9.913	-0.140	369824	0.10459	180	105.22- 145.21	11.92
10.026	10.166	-0.140	26153916	7.08942	12000	110.64- 150.64	842.75
Average of Peak Concentrations =					5200		
12 Aldrin					CAS #: 309-00-2		
9.272	9.372	-0.100	8657722	0.05101	89	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.557	10.697	-0.140	5319722	0.03357	59	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
10.960	11.100	-0.140	947873	0.00590	10	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.338	11.478	-0.140	8209625	0.05540	97	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.279	11.419	-0.140	75376698	0.48892	860	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
11.916	12.056	-0.140	10174200	0.06254	110	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
11.791	11.931	-0.140	32129625	0.20734	360	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.518	12.658	-0.140	1184907	0.00895	16	80.00- 120.00	100.00(a)
21 Endosulfan II					CAS #: 33213-65-9		
12.978	13.118	-0.140	947172	0.00661	12	80.00- 120.00	100.00
22 Aroclor-1260					CAS #: 11096-82-5		
11.078	11.218	-0.140	13795987	5.07144	6900	80.00- 120.00	100.00
12.087	12.227	-0.140	12730620	4.30819	7500	88.63- 128.63	92.28
12.859	12.999	-0.140	409388	0.05501	96	253.57- 293.57	2.97
13.563	13.703	-0.140	4758086	0.42365	740	392.86- 432.86	34.49
15.580	15.720	-0.140	3852793	0.42885	750	310.25- 350.25	27.93
Average of Peak Concentrations =					3600		

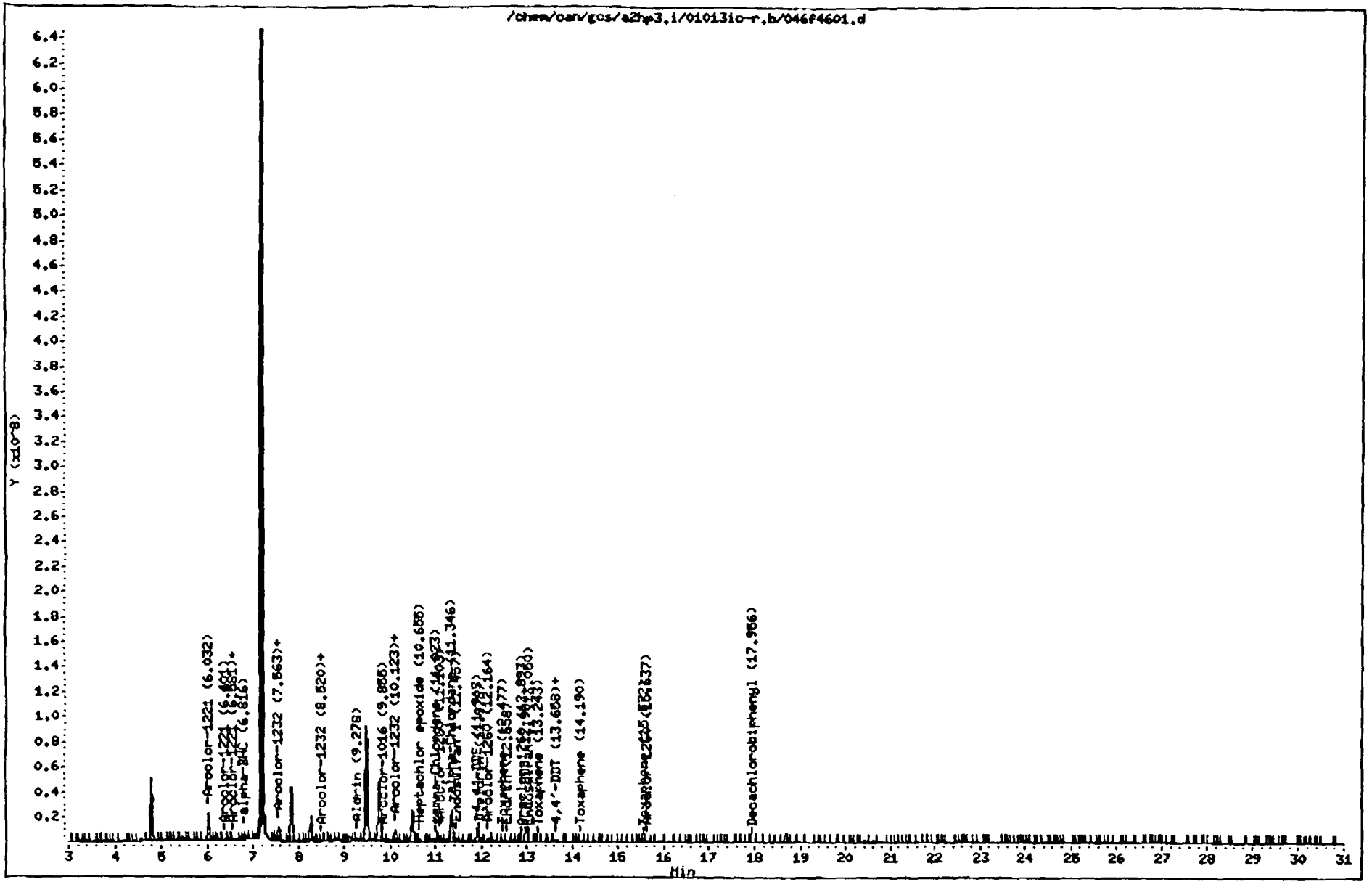
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
27 Toxaphene					CAS #: 8001-35-2		
12.446	12.586	-0.140	2383555	0.58846	1000	80.00- 120.00	100.00(m)
13.162	13.302	-0.140	333706	0.06250	110	111.82- 151.82	14.00
14.150	14.290	-0.140	3756502	0.69238	1200	113.95- 153.95	157.60
15.480	15.620	-0.140	515289	0.14801	260	65.95- 105.95	21.62
Average of Peak Concentrations =					650		
23 4,4'-DDD					CAS #: 72-54-8		
12.977	13.117	-0.140	505389	0.00421	7.4	80.00- 120.00	100.00(m)
26 4,4'-DDT					CAS #: 50-29-3		
13.591	13.731	-0.140	4758086	0.04242	74	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	360138	0.00327	5.7	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/a2hp3.i/010131o-r.b/046f4601.d
Date : 13-OCT-2000 18:29
Client ID: SL51-6RE
Sample Info: DJRHC201,2
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.

SL51-6REDL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNG401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 006F0601

% Moisture: 62 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/17/00

Injection Volume: 1.0(uL) Dilution Factor: 200.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	870	U
319-85-7	beta-BHC	870	U
319-86-8	delta-BHC	870	U
58-89-9	gamma-BHC(Lindane)	870	U
76-44-8	Heptachlor	870	U
309-00-2	Aldrin	1500	DC
1024-57-3	Heptachlor epoxide	870	U
959-98-8	Endosulfan I	870	U
60-57-1	Dieldrin	1700	U
72-55-9	4,4'-DDE	1700	U
72-20-8	Endrin	1700	U
33213-65-9	Endosulfan II	1700	U
72-54-8	4,4'-DDD	1700	U
1031-07-8	Endosulfan sulfate	1700	U
50-29-3	4,4'-DDT	1700	U
72-43-5	Methoxychlor	8700	U
53494-70-5	Endrin ketone	440	U
7421-93-4	Endrin aldehyde	1700	U
5103-71-9	alpha-Chlordane	1600	DPCB
5103-74-2	gamma-Chlordane	3400	DCB
8001-35-2	Toxaphene	87000	U
12674-11-2	Aroclor-1016	17000	U
11104-28-2	Aroclor-1221	35000	U
11141-16-5	Aroclor-1232	17000	U
53469-21-9	Aroclor-1242	17000	U
12672-29-6	Aroclor-1248	17000	U
11097-69-1	Aroclor-1254	17000	U
11096-82-5	Aroclor-1260	17000	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a-r.b/006f0601.d
Lab Smp Id: DJRNG201 Client Smp ID: SL51-6REDL
Inj Date : 17-OCT-2000 21:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNG201,200
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a-r.b/clp30b.m
Meth Date : 24-Oct-2000 01:27 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 6
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	200.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.01000	Weigth of sample extracted (g)
M	61.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	23795	0.000154	27	80.00- 120.00	100.00(R)
10 Aroclor-1248					CAS #: 12672-29-6		
8.451	8.591	-0.140	14226	0.00276	480	80.00- 120.00	100.00(a)
9.222	9.362	-0.140	1473832	0.44227	77000	44.75- 84.75	10359.62
10.023	10.163	-0.140	49655	0.00972	1700	79.23- 119.23	349.03
10.668	10.808	-0.140	17843	0.00300	520	95.58- 135.58	125.42
12.007	12.147	-0.140	12532	0.00436	760	35.79- 75.79	88.09
Average of Peak Concentrations =					16000		
12 Aldrin					CAS #: 309-00-2		
9.267	9.367	-0.100	1473832	0.00867	1500	80.00- 120.00	100.00

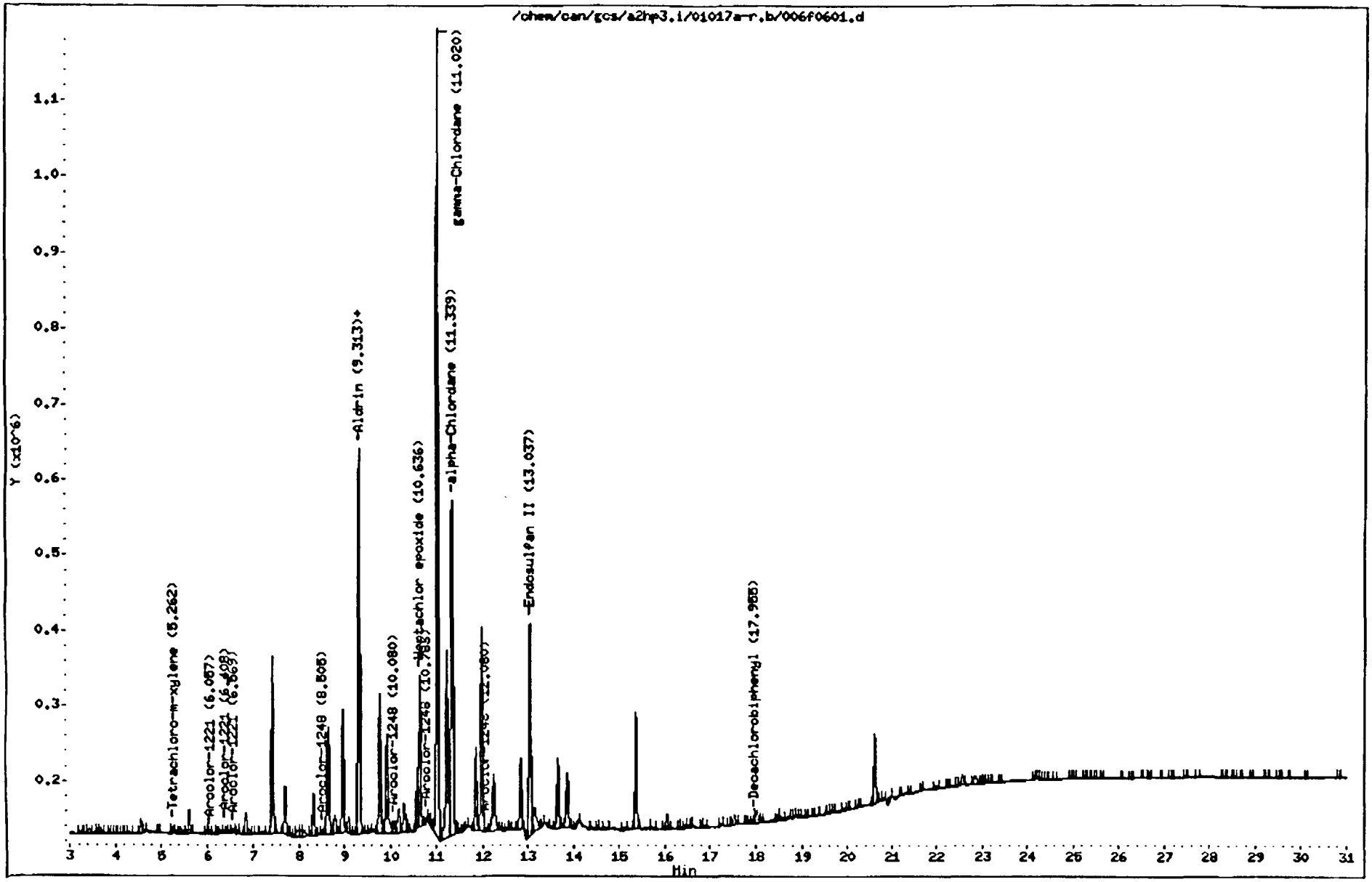
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.550	10.690	-0.140	542812	0.00343	600	80.00- 120.00	100.00(a)
14 gamma-Chlordane					CAS #: 5103-74-2		
10.953	11.093	-0.140	3075903	0.01919	3400	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.273	11.413	-0.140	1440966	0.00936	1600	80.00- 120.00	100.00
21 Endosulfan II					CAS #: 33213-65-9		
12.971	13.111	-0.140	847732	0.00602	1000	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	34711	0.000322	56	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/006f0601.d
Date : 17-OCT-2000 21:16
Client ID: SL51-6REDL
Sample Info: DJRNC201,200
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

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



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a.b/006f0601.d
Lab Smp Id: DJRNG201 Client Smp ID: SL51-6REDL
Inj Date : 17-OCT-2000 21:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNG201,200
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a.b/clp30a.m
Meth Date : 24-Oct-2000 01:08 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 6
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	200.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.01000	Weight of sample extracted (g)
M	61.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
9 Heptachlor					CAS #: 76-44-8		
7.180	7.280	-0.100	16328026	0.07505	13000	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
7.793	7.893	-0.100	1872306	0.00892	1600	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.405	9.545	-0.140	4212569	0.02165	3800	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
9.690	9.830	-0.140	2635957	0.01413	2500	80.00- 120.00	100.00

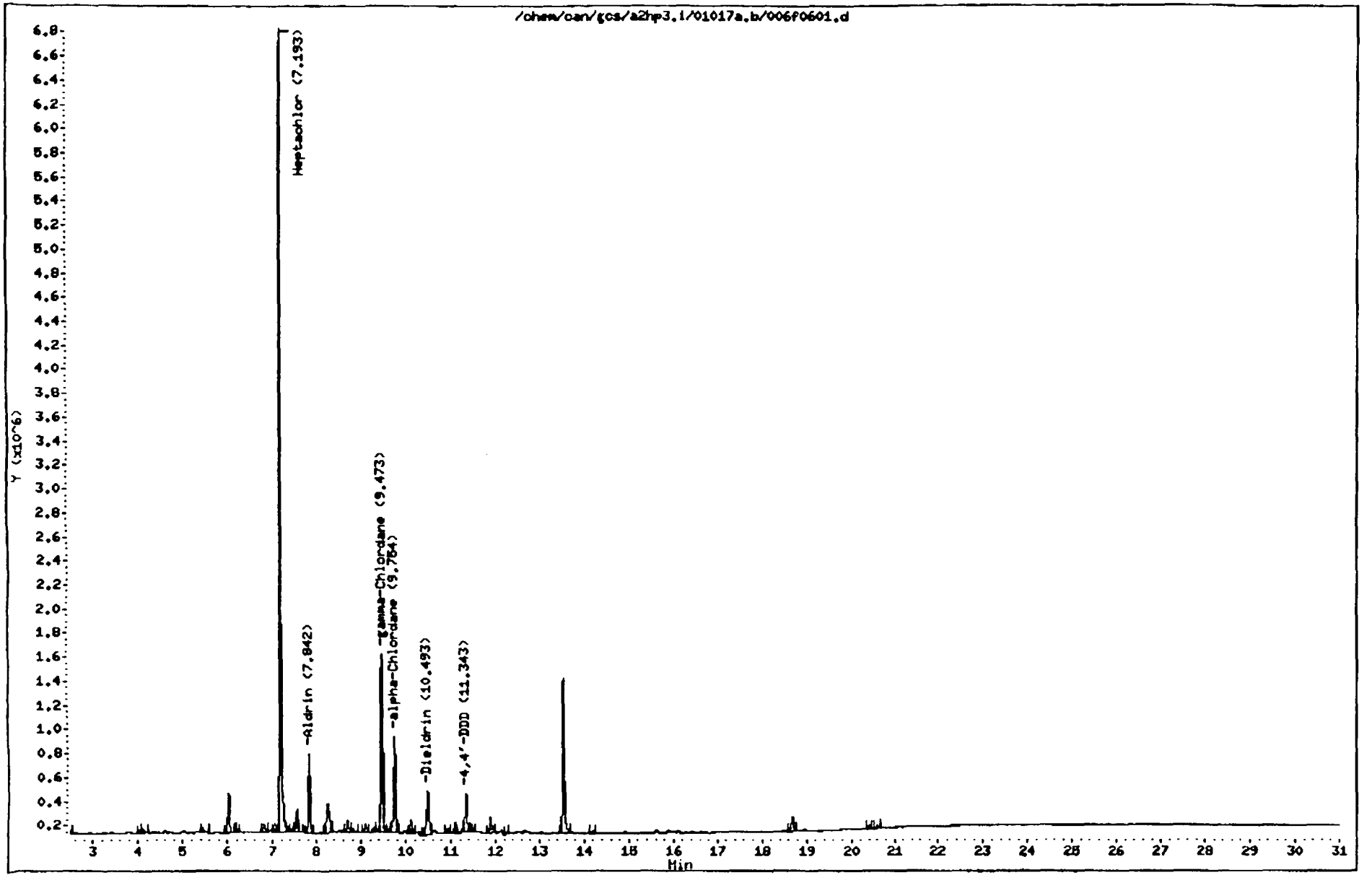
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.425	10.565	-0.140	1451561	0.00746	1300	80.00- 120.00	100.00(a)
24 4,4'-DDD					CAS #: 72-54-8		
11.286	11.426	-0.140	945583	0.00697	1200	80.00- 120.00	100.00(a)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01017a.b/006f0601.d
Date : 17-OCT-2000 21:16
Client ID: SL51-6REDL
Sample Info: DJRHG201,200
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.

SL52-4

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNN101

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 015F1501

% Moisture: 21 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted: 09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC(Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	10	U
7421-93-4	Endrin aldehyde	42	U
5103-71-9	alpha-Chlordane	21	U
5103-74-2	gamma-Chlordane	21	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	840	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/015f1501.d
Lab Smp Id: DJRNN101 Client Smp ID: SL52-4
Inj Date : 21-SEP-2000 07:19
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNN101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.18000	Weight of sample extracted (g)
M	21.08700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	96455	0.000775	3.2	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	379563	0.00315	13	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	307228	0.00299	12	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/a2hp4.i/00920clp.b/015f1501.d

Page 3

Date : 21-SEP-2000 07:19

Client ID: SL52-4

Instrument: a2hp4.i

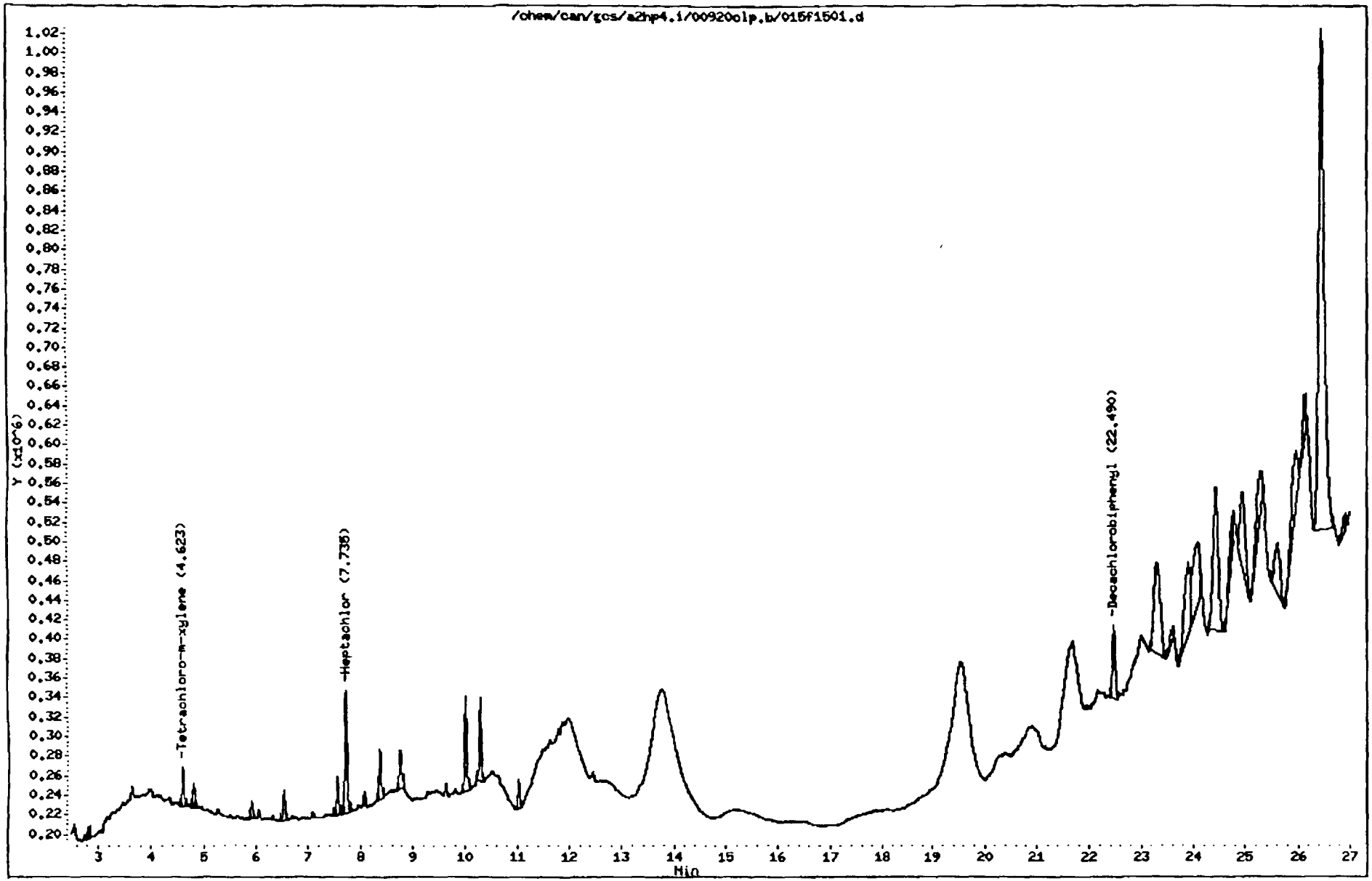
Sample Info: DJRNH101,10

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



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STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/015f1501.d
Lab Smp Id: DJRNN101 Client Smp ID: SL52-4
Inj Date : 21-SEP-2000 07:19
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNN101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.18000	Weigth of sample extracted (g)
M	21.08700	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	91858	0.000682	2.9	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	1989546	0.02105	88	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/015f1501.d

Page 2

Date : 21-SEP-2000 07:19

Client ID: SL52-4

Instrument: a2hp4.i

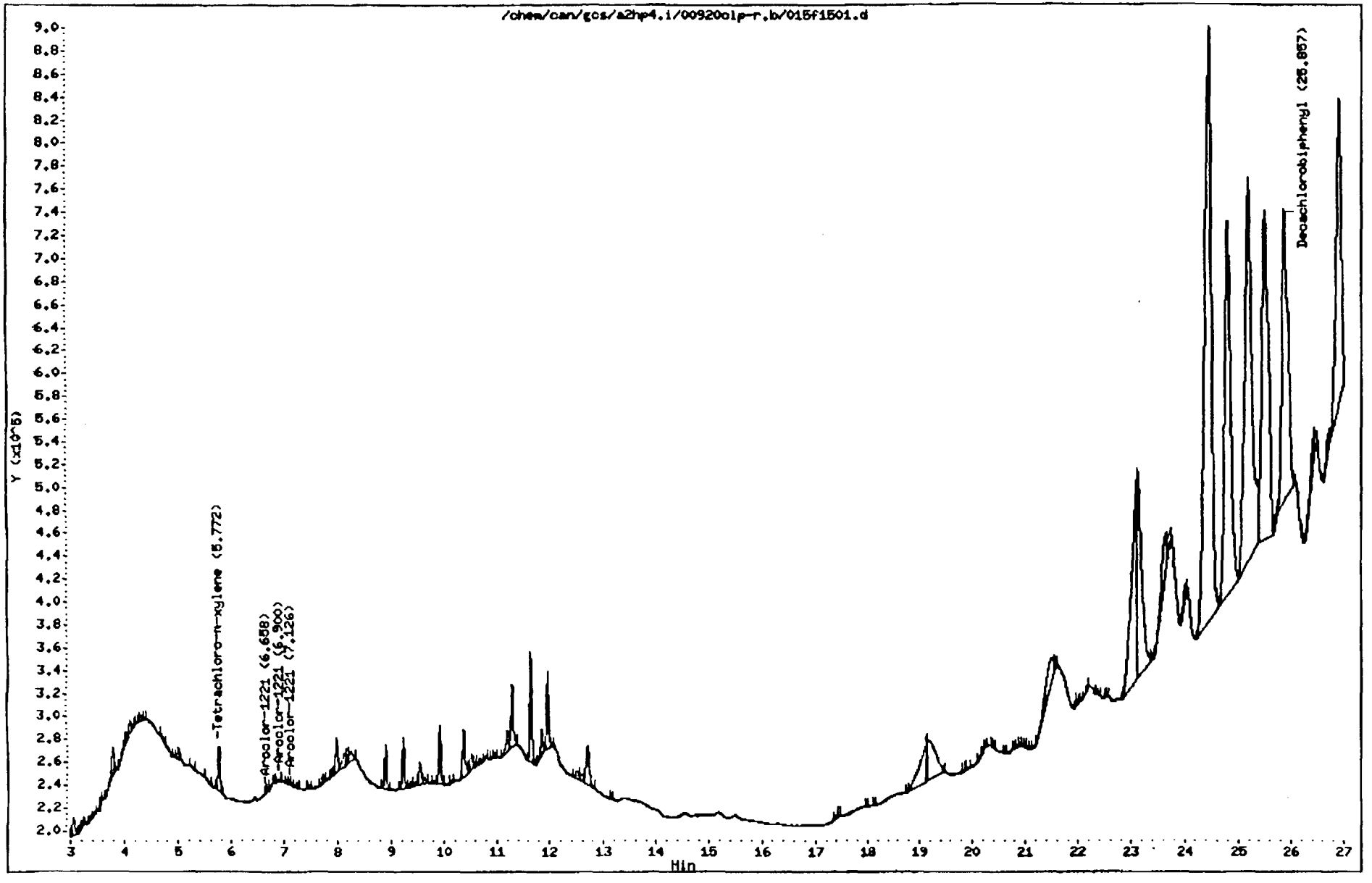
Sample Info: DJRNN101,10

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL52-4RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNN201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 041F4101

% Moisture: 21 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/00

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/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	2.1	U
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

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/041f4101.d
Lab Smp Id: DJRNN201 Client Smp ID: SL52-4RE
Inj Date : 13-OCT-2000 15:23
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNN201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 27-Oct-2000 11:29 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	21.10000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	6831694	0.03637	15	80.00- 120.00	100.00(R)
9 Heptachlor					CAS #: 76-44-8		
7.282	7.282	-0.100	67455280	0.29997	130	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	1290052	0.00578	2.4	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	1160823	0.00562	2.4	80.00- 120.00	100.00

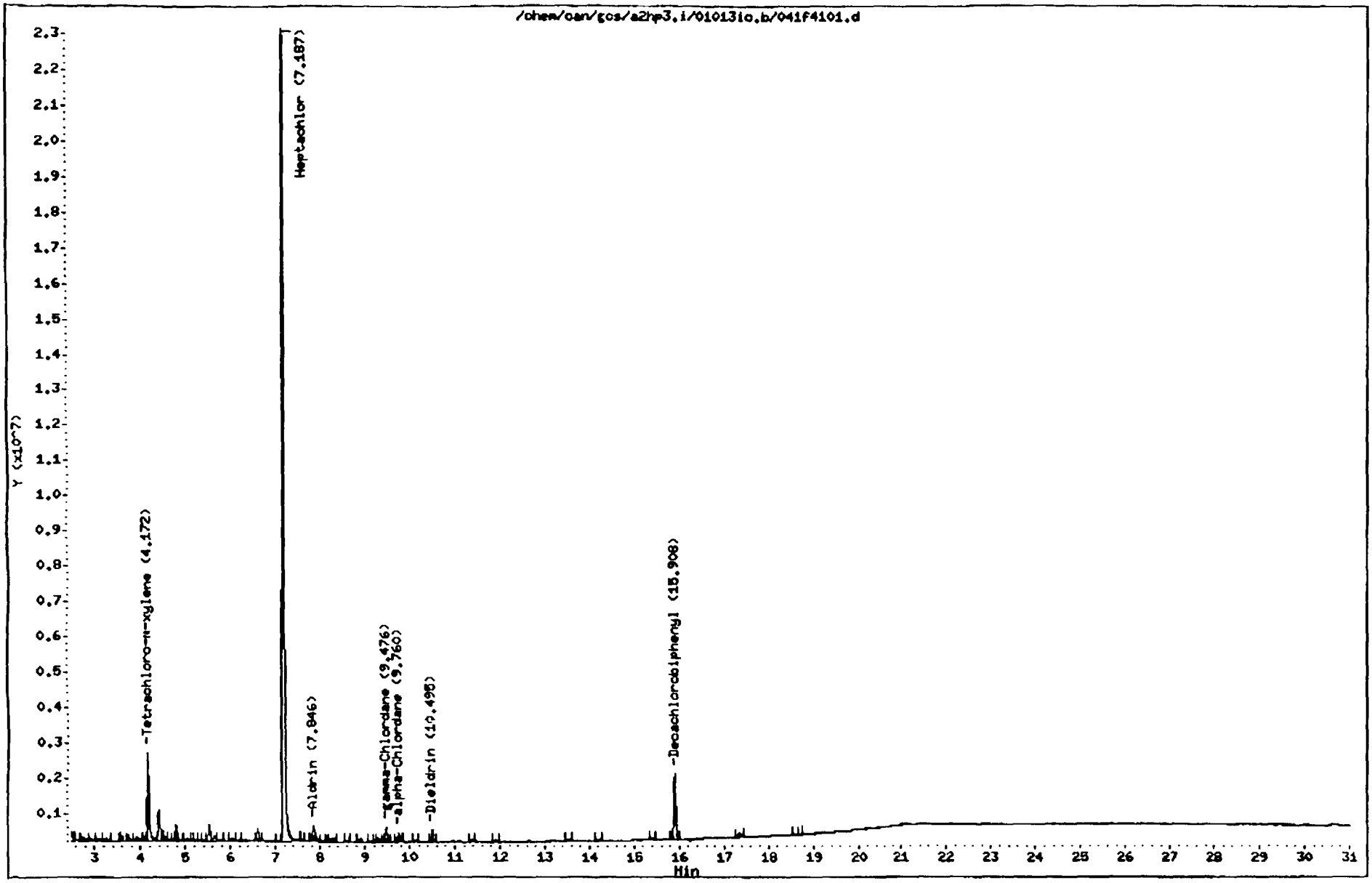
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
9.691	9.831	-0.140	801801	0.00406	1.7	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	1051700	0.00507	2.1	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	5638311	0.03586	15	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp3.i/01013ic.b/041f4101.d
Date : 13-OCT-2000 18:23
Client ID: SL52-4RE
Sample Info: DJRN4201
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/041f4101.d
Lab Smp Id: DJRNN201 Client Smp ID: SL52-4RE
Inj Date : 13-OCT-2000 15:23
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNN201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 27-Oct-2000 11:32 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	21.10000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	137552	0.000967	0.41	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.017	6.157	-0.140	271950	0.16272	69	80.00- 120.00	100.00(a)
6.352	6.492	-0.140	4067	0.00357	1.5	48.08- 88.08	1.50
6.488	6.628	-0.140	975595	0.23890	100	224.35- 264.35	358.74
Average of Peak Concentrations =					57		
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	975595	0.29741	120	80.00- 120.00	100.00
7.443	7.583	-0.140	95595	0.03818	16	56.33- 96.33	9.80

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232 (continued)							
8.456	8.596	-0.140	3629	0.000798	0.34	118.67- 158.67	0.37
10.024	10.164	-0.140	103678	0.06715	28	27.07- 67.07	10.63
Average of Peak Concentrations =					43		
4 Aroclor-1016					CAS #: 12674-11-2		
6.490	6.630	-0.140	975595	0.34547	140	80.00- 120.00	100.00(a)
7.444	7.584	-0.140	95595	0.01747	7.4	173.74- 213.74	9.80
8.457	8.597	-0.140	3629	0.000341	0.14	356.86- 396.86	0.37
9.773	9.913	-0.140	96171	0.02720	11	105.21- 145.21	9.86
10.026	10.166	-0.140	103678	0.02810	12	110.64- 150.64	10.63
Average of Peak Concentrations =					35		
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2902	<0.0	0.011	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/a2hp3.i/010131c-r.b/041f4101.d

Page 3

Date : 13-OCT-2000 15:23

Client ID: SL52-4RE

Instrument: a2hp3.i

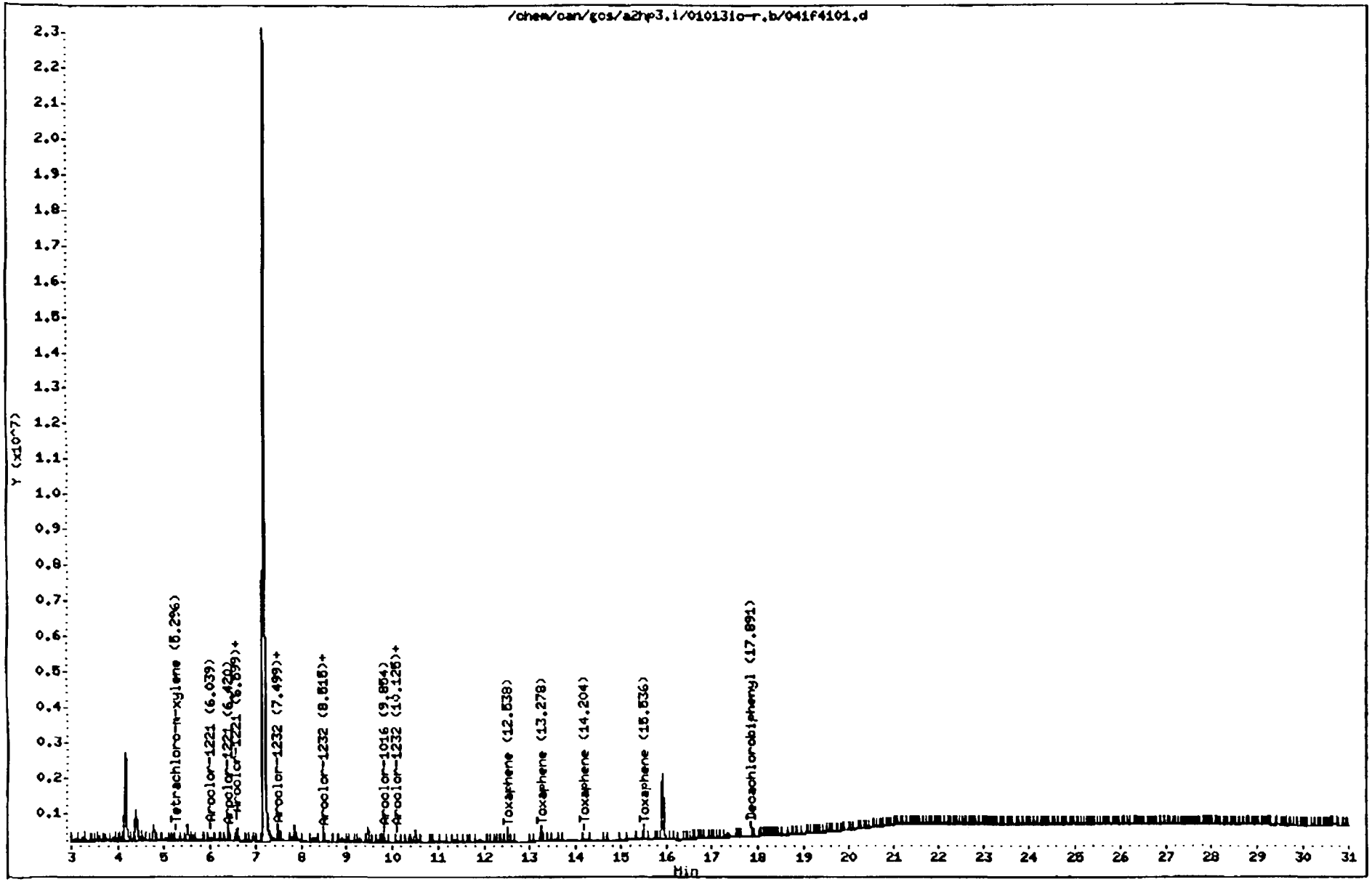
Sample Info: DJRNN201

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.

SL52-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNM101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 030F3001

% Moisture: 35 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC(Lindane)	1.9	JP
76-44-8	Heptachlor	84	
309-00-2	Aldrin	170	
1024-57-3	Heptachlor epoxide	5.2	P
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	160	
72-55-9	4,4'-DDE	14	
72-20-8	Endrin	5.1	U
33213-65-9	Endosulfan II	5.1	U
72-54-8	4,4'-DDD	42	
1031-07-8	Endosulfan sulfate	5.1	U
50-29-3	4,4'-DDT	300	
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	4.7	P
7421-93-4	Endrin aldehyde	5.1	U
5103-71-9	alpha-Chlordane	67	P
5103-74-2	gamma-Chlordane	160	
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/030f3001.d
Lab Smp Id: DJRNM101 Client Smp ID: SL52-6
Inj Date : 21-SEP-2000 15:23
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNM101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weight of sample extracted (g)
M	34.65000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	1117018	0.00898	4.6	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	520312	0.00292	1.5	80.00- 120.00	100.00(a)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	809280	0.00550	2.8	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	20157536	0.16713	85	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	51580552	0.34156	170	80.00- 120.00	100.00
11 Aroclor-1254					CAS #: 11097-69-1		
9.370	9.510	-0.140	496132	0.10980	56	80.00- 120.00	100.00
9.930	10.070	-0.140	42276523	6.32297	3200	127.97- 167.97	8521.21
10.733	10.873	-0.140	206865	0.02904	15	137.63- 177.63	41.70
11.307	11.447	-0.140	176814	0.03518	18	91.25- 131.25	35.64
12.267	12.407	-0.140	328408	0.04681	24	135.27- 175.27	66.19
Average of Peak Concentrations =					670		
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	2506437	0.01946	9.9	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.459	10.599	-0.140	654156	0.00554	2.8	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	42276523	0.30646	160	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	25030835	0.18484	94	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	4429295	0.03162	16	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	43378034	0.32641	170	80.00- 120.00	100.00
20 Aroclor-1260					CAS #: 11096-82-5		
10.838	10.978	-0.140	723189	0.29017	150	80.00- 120.00	100.00
11.121	11.261	-0.140	1252029	0.22251	110	205.77- 245.77	173.13
11.696	11.836	-0.140	987566	0.10031	51	375.02- 415.02	136.56
11.946	12.086	-0.140	1574926	0.46973	240	114.53- 154.53	217.78
12.266	12.406	-0.140	328408	0.03313	17	377.79- 417.79	45.41
Average of Peak Concentrations =					110		
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	5043882	0.05017	26	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	8473462	0.08338	42	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	56787662	0.58891	300	80.00- 120.00	100.00

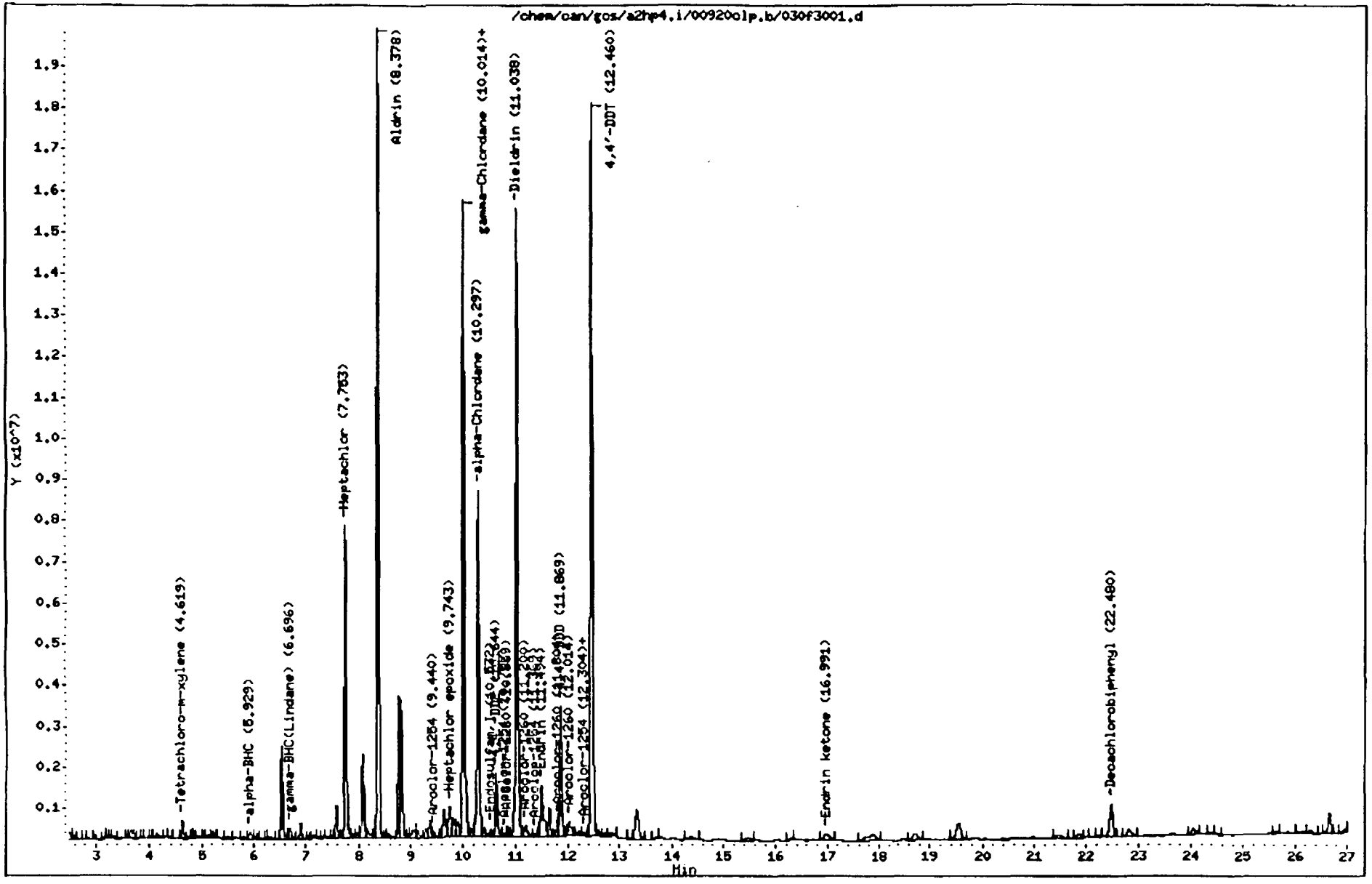
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
29 Endrin ketone					CAS #: 53494-70-5		
16.931	17.071	-0.140	1110479	0.00923	4.7	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	3665121	0.03564	18	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/030f3001.d
Date : 21-SEP-2000 15:23
Client ID: SL52-6
Sample Info: DJRNM101
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/030f3001.d
Lab Smp Id: DJRNM101 Client Smp ID: SL52-6
Inj Date : 21-SEP-2000 15:23
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNM101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weigth of sample extracted (g)
M	34.65000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	831490	0.00617	3.1	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	578425	0.00371	1.9	80.00- 120.00	100.00(a)
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	20919458	0.16569	84	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	57869900	0.35900	180	80.00- 120.00	100.00

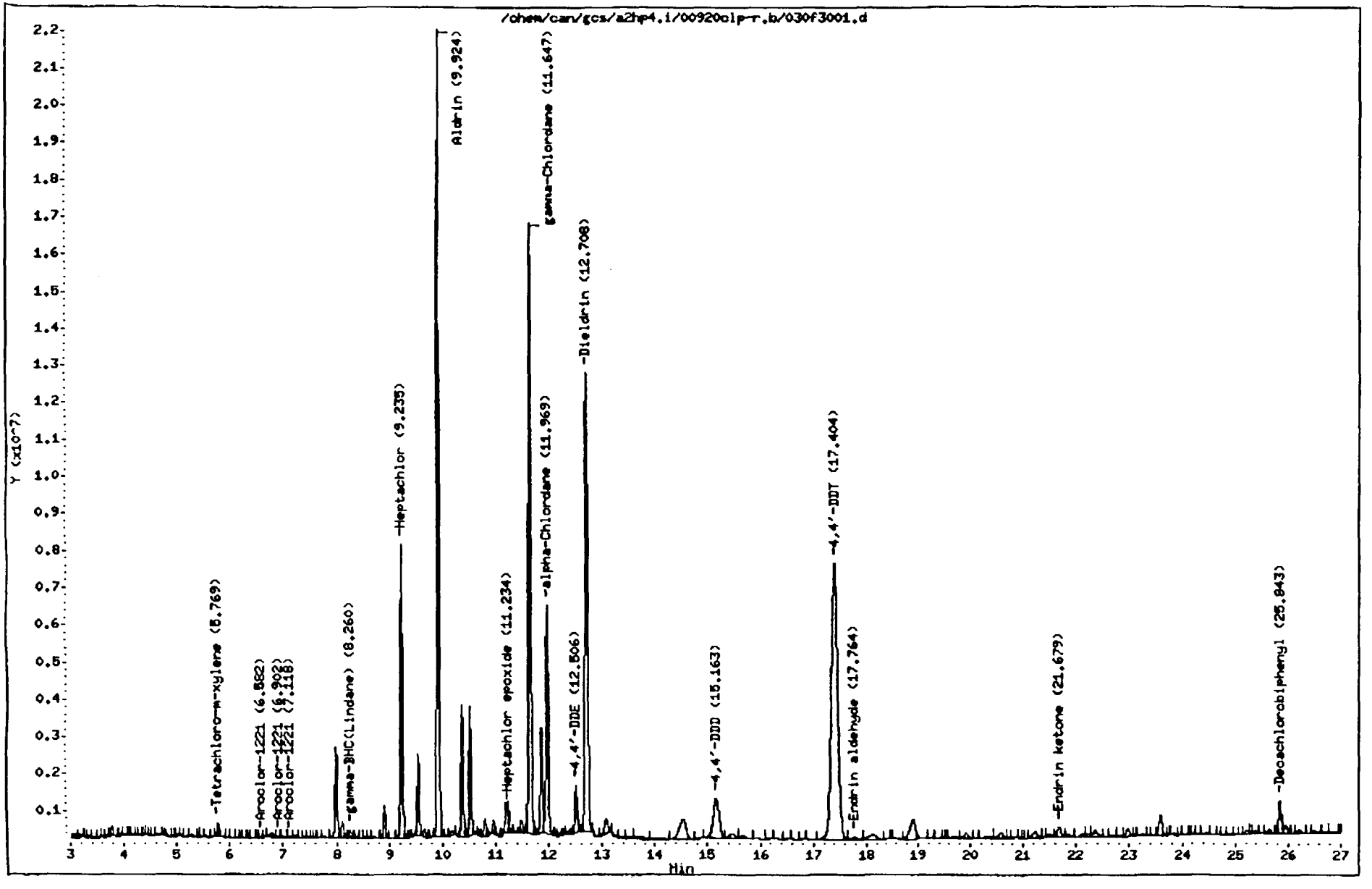
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	1373523	0.01024	5.2	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	45003032	0.32536	160	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	18058457	0.13131	67	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	44129919	0.32519	160	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	3793811	0.02657	14	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	8744048	0.06808	45	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.738	17.878	-0.140	589292	0.00669	3.4	80.00- 120.00	100.00(a)
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	62904647	0.69657	350	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.622	21.762	-0.140	1444087	0.01245	6.3	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2964952	0.03137	16	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/a2hp4.i/00920olp-r.b/030f3001.d
Date : 21-SEP-2000 15:23
Client ID: SL52-6
Sample Info: BJR9H101
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL52-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNM301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 029F2901

% Moisture: 35 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	25	U
319-85-7	beta-BHC	25	U
319-86-8	delta-BHC	25	U
58-89-9	gamma-BHC(Lindane)	25	U
76-44-8	Heptachlor	76	D
309-00-2	Aldrin	180	D
1024-57-3	Heptachlor epoxide	25	U
959-98-8	Endosulfan I	25	U
60-57-1	Dieldrin	150	D
72-55-9	4,4'-DDE	51	U
72-20-8	Endrin	51	U
33213-65-9	Endosulfan II	51	U
72-54-8	4,4'-DDD	37	DJ
1031-07-8	Endosulfan sulfate	51	U
50-29-3	4,4'-DDT	290	D
72-43-5	Methoxychlor	250	U
53494-70-5	Endrin ketone	13	U
7421-93-4	Endrin aldehyde	51	U
5103-71-9	alpha-Chlordane	65	DP
5103-74-2	gamma-Chlordane	150	D
8001-35-2	Toxaphene	2500	U
12674-11-2	Aroclor-1016	510	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	510	U
53469-21-9	Aroclor-1242	510	U
12672-29-6	Aroclor-1248	510	U
11097-69-1	Aroclor-1254	510	U
11096-82-5	Aroclor-1260	510	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/029f2901.d
Lab Smp Id: DJRNM101 Client Smp ID: SL52-6DL
Inj Date : 21-SEP-2000 14:51
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNM101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 29
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weight of sample extracted (g)
M	34.65000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	121329	0.000975	5.0	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	1888684	0.01566	80	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	5338841	0.03535	180	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	4134061	0.02997	150	80.00- 120.00	100.00

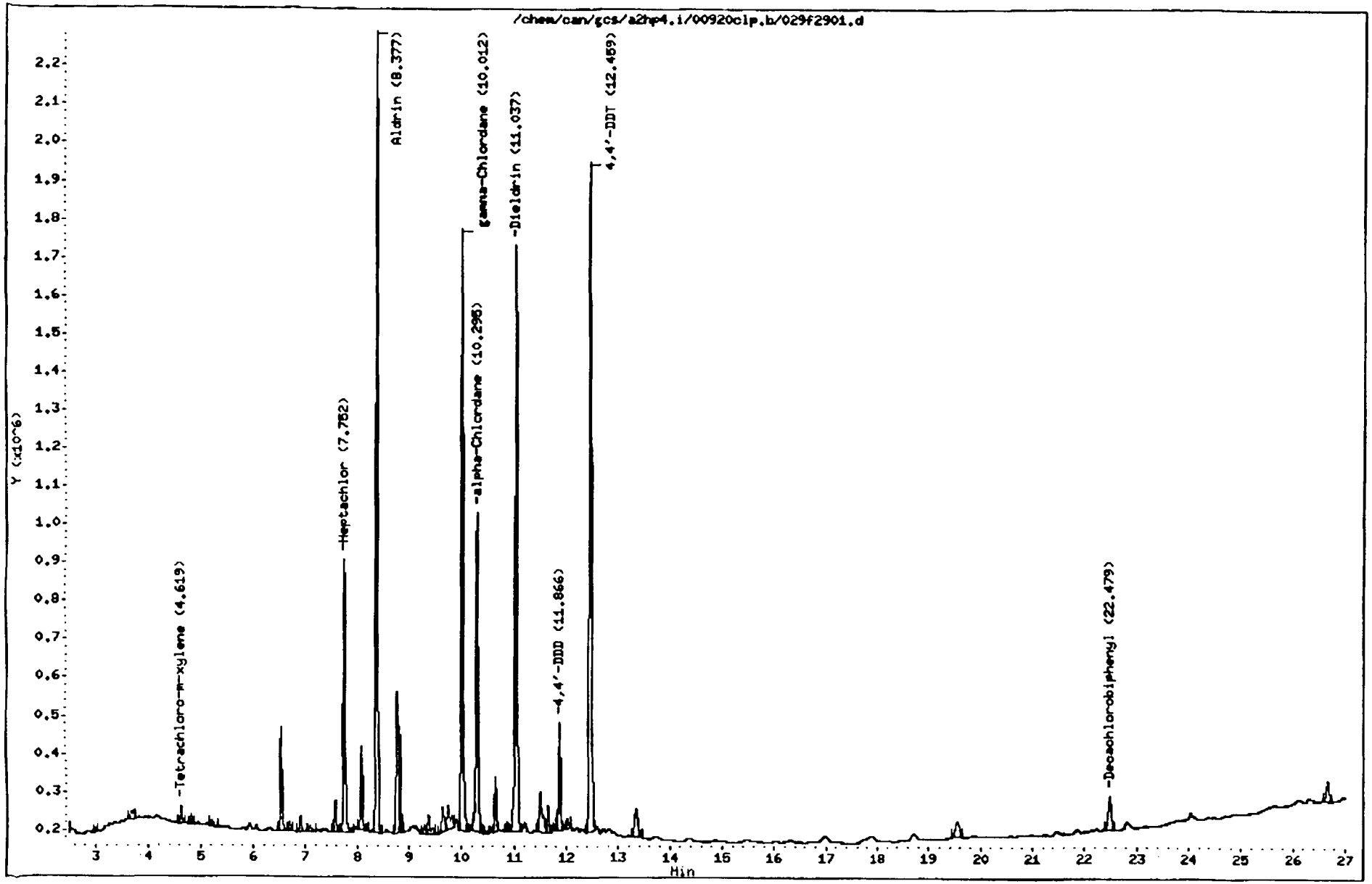
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	2491191	0.01840	94	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	4228484	0.03182	160	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	732202	0.00720	37	80.00- 120.00	100.00(a)
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	5420323	0.05621	290	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	381985	0.00371	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/a2hp4.i/00920clp.b/029f2901.d
Date : 21-SEP-2000 14:51
Client ID: SL52-6DL
Sample Info: DJRNM101,10
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/029f2901.d
Lab Smp Id: DJRNM101 Client Smp ID: SL52-6DL
Inj Date : 21-SEP-2000 14:51
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNM101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 29
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weigth of sample extracted (g)
M	34.65000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	88793	0.000659	3.4	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	1871696	0.01482	76	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	5689672	0.03530	180	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	4290728	0.03102	160	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	1745076	0.01269	65	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	4128374	0.03042	150	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	751538	0.00757	38	80.00- 120.00	100.00(a)
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	5203627	0.05762	290	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	298375	0.00316	16	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/a2hp4.i/00920clp-r.b/029f2901.d

Page 3

Date : 21-SEP-2000 14:51

Client ID: SL52-6DL

Instrument: a2hp4.i

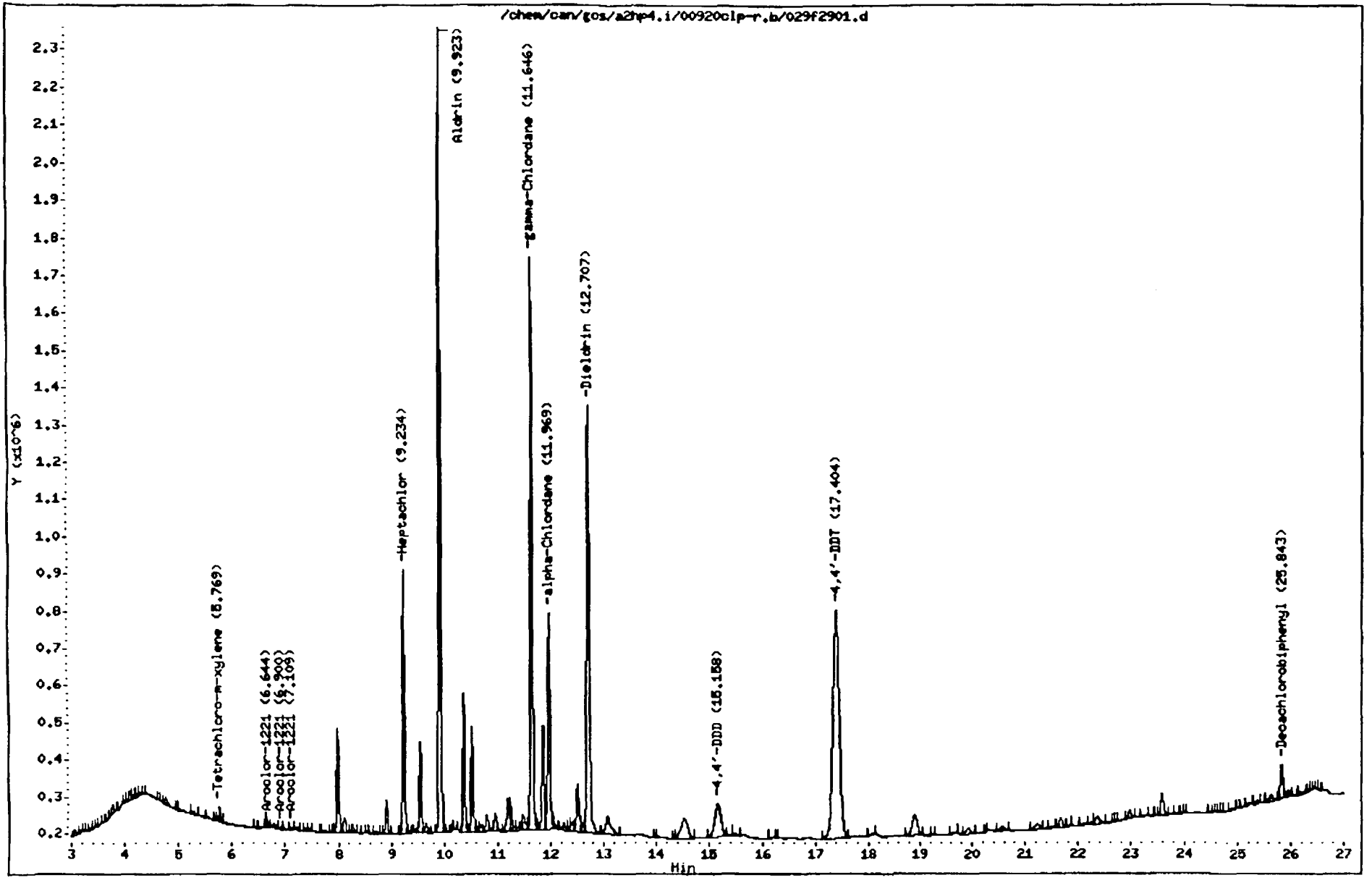
Sample Info: DJRHM101,10

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL52-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNM201

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 043F4301

% Moisture: 35 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/00

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/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC(Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.2	J
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	5.1	U
72-55-9	4,4'-DDE	8.7	P
72-20-8	Endrin	5.1	U
33213-65-9	Endosulfan II	5.1	U
72-54-8	4,4'-DDD	5.1	U
1031-07-8	Endosulfan sulfate	5.1	U
50-29-3	4,4'-DDT	5.2	P
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	1.3	U
7421-93-4	Endrin aldehyde	5.1	U
5103-71-9	alpha-Chlordane	20	PB
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/043f4301.d
Lab Smp Id: DJRNM201 Client Smp ID: SL52-6RE
Inj Date : 13-OCT-2000 16:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNM201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 27-Oct-2000 11:29 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	34.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	10037249	0.05343	27	80.00- 120.00	100.00(R)
5 alpha-BHC					CAS #: 319-84-6		
5.418	5.518	-0.100	3786011	0.01343	6.8	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.145	6.245	-0.100	12667665	0.05035	26	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.182	7.282	-0.100	3175014159	14.1189	7200	80.00- 120.00	100.00

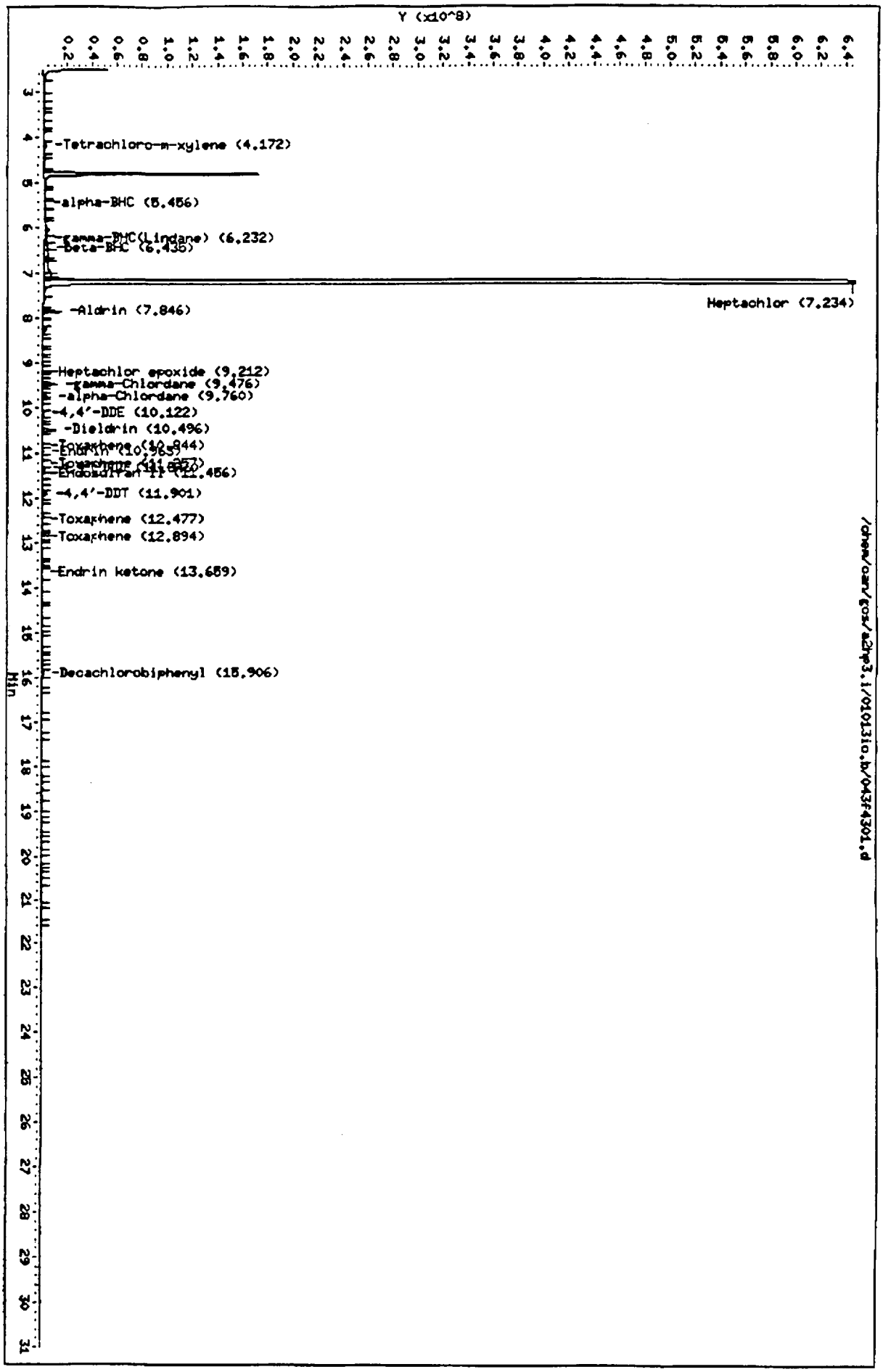
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	43300176	0.19412	98	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.422	6.522	-0.100	21311849	0.20544	100	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.139	9.279	-0.140	951024	0.00468	2.4	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	33564402	0.16247	82	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
9.691	9.831	-0.140	18943069	0.09588	48	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.058	10.198	-0.140	3366954	0.01714	8.7	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	32872560	0.15859	80	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
10.863	11.003	-0.140	2433787	0.01488	7.5	80.00- 120.00	100.00
23 Endosulfan II					CAS #: 33213-65-9		
11.335	11.475	-0.140	1068489	0.00579	2.9	80.00- 120.00	100.00(a)
24 4,4'-DDD					CAS #: 72-54-8		
11.279	11.419	-0.140	6781271	0.04430	22	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.834	11.974	-0.140	12969781	0.08474	43	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
13.590	13.730	-0.140	1148487	0.00608	3.1	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	4519384	0.02874	14	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp3.i/010131c.b/043f4301.d
Date : 13-OCT-2000 16:37
Client ID: SL52-6RE
Sample Info: DJRN4201
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



Page 3

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/043f4301.d
Lab Smp Id: DJRNM201 Client Smp ID: SL52-6RE
Inj Date : 13-OCT-2000 16:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNM201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 27-Oct-2000 11:32 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weigth of sample extracted (g)
M	34.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	99854	0.000702	0.36	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.017	6.157	-0.140	12446121	7.44697	3800	80.00- 120.00	100.00
6.352	6.492	-0.140	3466589	3.04656	1500	48.08- 88.08	27.85
6.488	6.628	-0.140	5065053	1.24029	630	224.35- 264.35	40.70
Average of Peak Concentrations =					2000		
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	5065053	1.54407	780	80.00- 120.00	100.00
7.443	7.583	-0.140	4254134	1.69906	860	56.33- 96.33	83.99

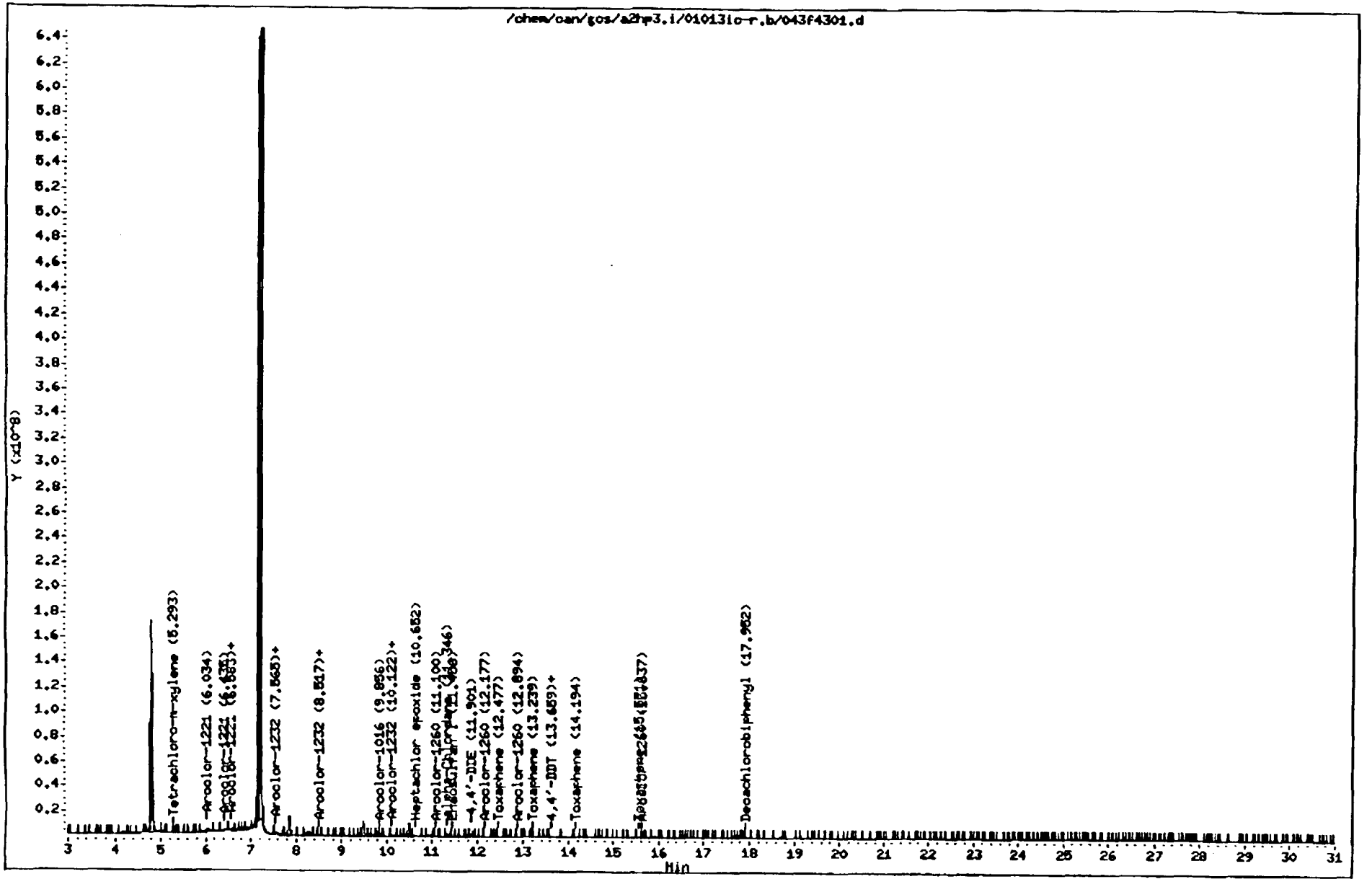
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232 (continued)							
8.456	8.596	-0.140	210124	0.04619	23	118.67- 158.67	4.15
10.024	10.164	-0.140	3366954	2.18083	1100	27.07- 67.07	66.47
Average of Peak Concentrations =					690		
4 Aroclor-1016					CAS #: 12674-11-2		
6.490	6.630	-0.140	5065053	1.79359	910	80.00- 120.00	100.00
7.444	7.584	-0.140	4254134	0.77756	390	173.74- 213.74	83.99
8.457	8.597	-0.140	210124	0.01974	10	356.86- 396.86	4.15
9.773	9.913	-0.140	215297	0.06089	31	105.21- 145.21	4.25
10.026	10.166	-0.140	3366954	0.91266	460	110.64- 150.64	66.47
Average of Peak Concentrations =					360		
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.557	10.697	-0.140	679524	0.00429	2.2	80.00- 120.00	100.00(a)
15 Endosulfan I					CAS #: 959-98-8		
11.338	11.478	-0.140	478495	0.00323	1.6	80.00- 120.00	100.00(a)
17 alpha-Chlordane					CAS #: 5103-71-9		
11.279	11.419	-0.140	6103391	0.03959	20	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
11.791	11.931	-0.140	11137287	0.07187	36	80.00- 120.00	100.00
22 Aroclor-1260					CAS #: 11096-82-5		
11.078	11.218	-0.140	954484	0.35087	180	80.00- 120.00	100.00
12.087	12.227	-0.140	260505	0.08816	45	88.63- 128.63	27.29
12.859	12.999	-0.140	391522	0.03917	20	253.57- 293.57	30.54
13.563	13.703	-0.140	1148688	0.10228	52	392.86- 432.86	120.35
15.580	15.720	-0.140	68952	0.00767	3.9	310.25- 350.25	7.22
Average of Peak Concentrations =					60		
26 4,4'-DDT					CAS #: 50-29-3		
13.591	13.731	-0.140	1148688	0.01024	5.2	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	117584	0.00107	0.54	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp3.i/010131o-r.b/043f4301.d
Date : 13-OCT-2000 16:37
Client ID: SL52-6RE
Sample Info: DJRNM201
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.

SL52-6REDL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNM401

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 042F4201

% Moisture: 35 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/00

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	25	U
319-85-7	beta-BHC	25	U
319-86-8	delta-BHC	25	U
58-89-9	gamma-BHC(Lindane)	25	U
76-44-8	Heptachlor	25	U
309-00-2	Aldrin	25	U
1024-57-3	Heptachlor epoxide	25	U
959-98-8	Endosulfan I	25	U
60-57-1	Dieldrin	51	U
72-55-9	4,4'-DDE	51	U
72-20-8	Endrin	51	U
33213-65-9	Endosulfan II	51	U
72-54-8	4,4'-DDD	51	U
1031-07-8	Endosulfan sulfate	51	U
50-29-3	4,4'-DDT	51	U
72-43-5	Methoxychlor	250	U
53494-70-5	Endrin ketone	13	U
7421-93-4	Endrin aldehyde	51	U
5103-71-9	alpha-Chlordane	21	DJPC
5103-74-2	gamma-Chlordane	25	U
8001-35-2	Toxaphene	2500	U
12674-11-2	Aroclor-1016	510	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	510	U
53469-21-9	Aroclor-1242	510	U
12672-29-6	Aroclor-1248	510	U
11097-69-1	Aroclor-1254	510	U
11096-82-5	Aroclor-1260	510	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/042f4201.d
Lab Smp Id: DJRNM201 Client Smp ID: SL52-6REDL
Inj Date : 13-OCT-2000 16:00
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNM201,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 27-Oct-2000 11:29 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 42
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	34.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	777908	0.00414	21	80.00- 120.00	100.00(R)
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.145	6.245	-0.100	3865088	0.01536	78	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.182	7.282	-0.100	20747466	0.09226	470	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	4376360	0.01962	99	80.00- 120.00	100.00

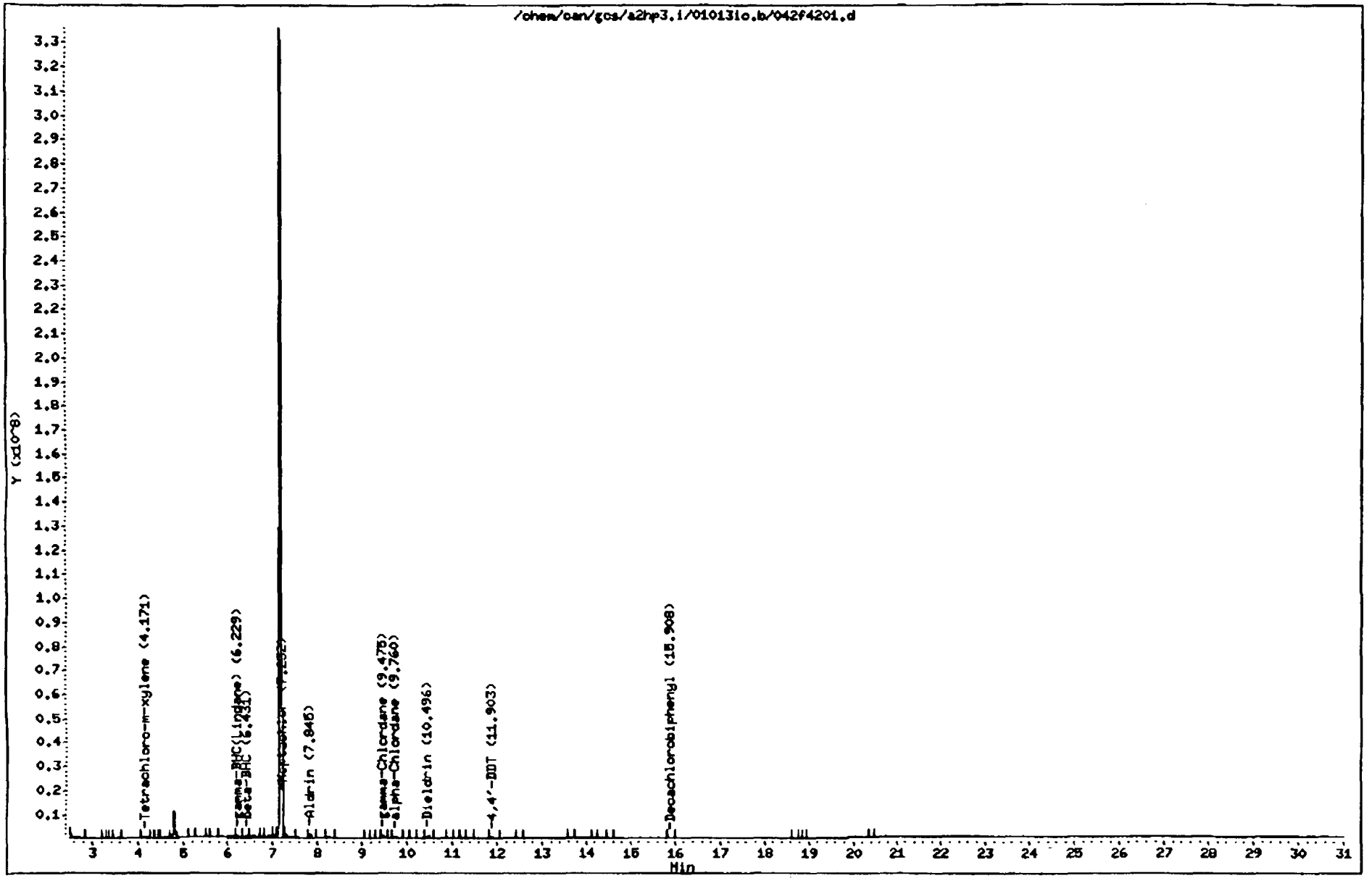
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
12 beta-BHC					CAS #: 319-85-7		
6.422	6.522	-0.100	4851212	0.04676	240	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	3310559	0.01603	81	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
9.691	9.831	-0.140	2019609	0.01022	52	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	3228138	0.01557	79	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.834	11.974	-0.140	1295732	0.00847	43	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	509978	0.00324	16	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/010131c.b/042f4201.d
Date : 13-OCT-2000 16:00
Client ID: SL52-6REDL
Sample Info: DJRNH201,10
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/042f4201.d
Lab Smp Id: DJRNM201 Client Smp ID: SL52-6REDL
Inj Date : 13-OCT-2000 16:00
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRNM201,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 27-Oct-2000 11:32 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 42
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weigth of sample extracted (g)
M	34.60000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	956698	0.00673	34	80.00- 120.00	100.00(R)
2 Aroclor-1221					CAS #: 11104-28-2		
6.017	6.157	-0.140	13149733	7.86797	40000	80.00- 120.00	100.00
6.352	6.492	-0.140	6209280	5.45693	28000	48.08- 88.08	47.22
6.488	6.628	-0.140	6102061	1.49422	7600	224.35- 264.35	46.40
Average of Peak Concentrations =					25000		
3 alpha-BHC					CAS #: 319-84-6		
6.802	6.902	-0.100	1517277	0.00732	37	80.00- 120.00	100.00

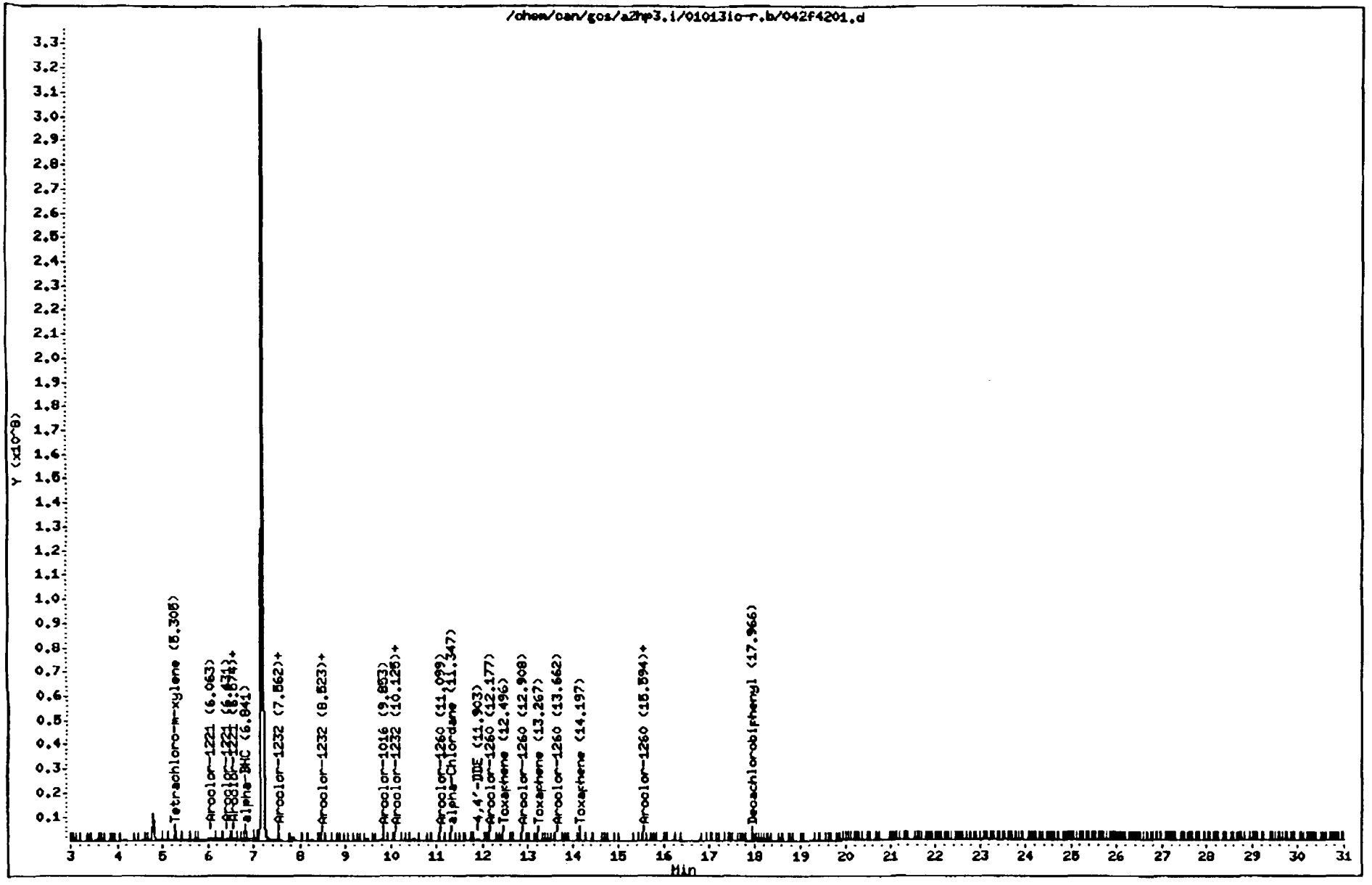
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	6102061	1.86020	9400	80.00- 120.00	100.00
7.443	7.583	-0.140	1534324	0.61280	3100	56.33- 96.33	25.14
8.456	8.596	-0.140	21894	0.00481	24	118.67- 158.67	0.36
10.024	10.164	-0.140	317464	0.20563	1000	27.07- 67.07	5.20
Average of Peak Concentrations =					3400		
4 Aroclor-1016					CAS #: 12674-11-2		
6.490	6.630	-0.140	6102061	2.16080	11000	80.00- 120.00	100.00
7.444	7.584	-0.140	1534324	0.28044	1400	173.74- 213.74	25.14
8.457	8.597	-0.140	21894	0.00206	10	356.86- 396.86	0.36
9.773	9.913	-0.140	43753	0.01237	63	105.21- 145.21	0.72
10.026	10.166	-0.140	317464	0.08605	440	110.64- 150.64	5.20
Average of Peak Concentrations =					2600		
17 alpha-Chlordane					CAS #: 5103-71-9		
11.279	11.419	-0.140	635428	0.00412	21	80.00- 120.00	100.00(a)
19 4,4'-DDE					CAS #: 72-55-9		
11.791	11.931	-0.140	1303452	0.00841	43	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	1890	<0.0	0.087	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/010131o-r.b/042f4201.d
Date : 13-OCT-2000 16:00
Client ID: SL52-6REIL
Sample Info: DJRNM201,10
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.

SL53-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNQ101

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 014F1401

% Moisture: 31 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	1.3	JP
319-85-7	beta-BHC	10	
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC(Lindane)	1.2	JP
76-44-8	Heptachlor	19	
309-00-2	Aldrin	160	
1024-57-3	Heptachlor epoxide	27	P
959-98-8	Endosulfan I	4.2	P
60-57-1	Dieldrin	300	
72-55-9	4,4'-DDE	78	
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	90	
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	41	
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	5.8	P
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	97	
5103-74-2	gamma-Chlordane	200	
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/014f1401.d
Lab Smp Id: DJRNQ101 Client Smp ID: SL53-6
Inj Date : 21-SEP-2000 06:47
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	31.28600	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	1389532	0.01036	5.0	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	1112801	0.00624	3.0	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	627329	0.00427	2.0	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	5610011	0.04651	22	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	51061691	0.33813	160	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.923	7.023	-0.100	1322495	0.02077	10	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.279	7.379	-0.100	1084761	0.00686	3.3	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	12295197	0.09546	46	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.459	10.599	-0.140	1479627	0.01254	6.0	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	56596053	0.41026	200	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	28589639	0.21112	100	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	22717454	0.16218	78	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	82668271	0.62206	300	80.00- 120.00	100.00
20 Aroclor-1260					CAS #: 11096-82-5		
10.838	10.978	-0.140	4250657	1.70552	820	80.00- 120.00	100.00
11.121	11.261	-0.140	4490791	0.79811	380	205.77- 245.77	105.65
11.696	11.836	-0.140	890980	0.09050	44	375.02- 415.02	20.96
11.946	12.086	-0.140	2237686	0.66740	320	114.53- 154.53	52.64
12.266	12.406	-0.140	1499300	0.15123	73	377.79- 417.79	35.27
Average of Peak Concentrations =					330		
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	13169186	0.13098	63	80.00- 120.00	100.00
22 Toxaphene					CAS #: 8001-35-2		
10.990	11.130	-0.140	82668271	91.3092	44000	80.00- 120.00	100.00
11.661	11.801	-0.140	890980	0.67843	330	125.06- 165.06	1.08
12.016	12.156	-0.140	3501318	1.36380	660	263.57- 303.57	4.24
13.332	13.472	-0.140	16751895	5.25034	2500	332.41- 372.41	20.26
Average of Peak Concentrations =					12000		
23 Endosulfan II					CAS #: 33213-65-9		
11.883	12.023	-0.140	1191206	0.01032	5.0	80.00- 120.00	100.00

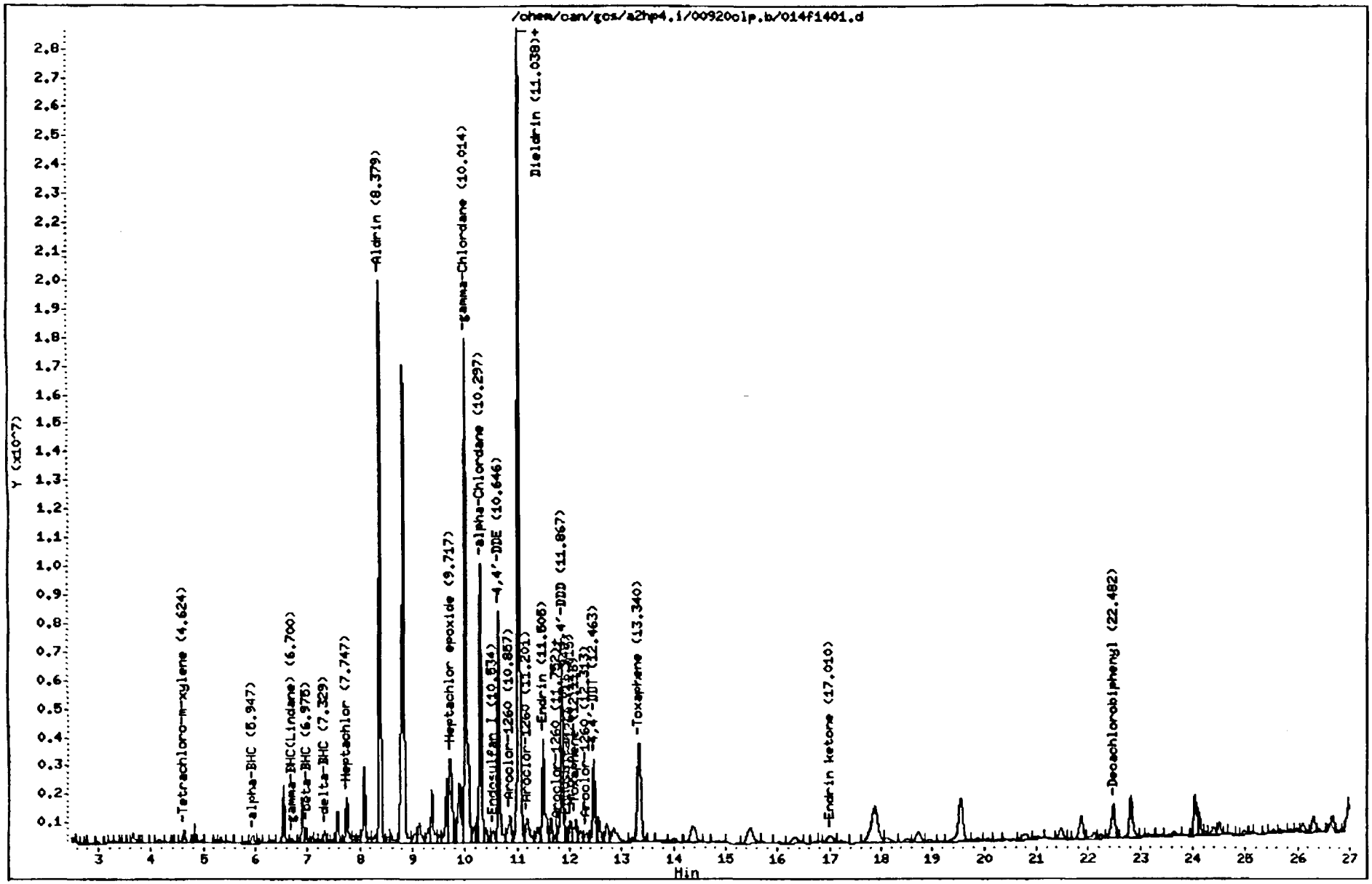
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	18930504	0.18627	90	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	9891539	0.10258	49	80.00- 120.00	100.00
29 Endrin ketone					CAS #: 53494-70-5		
16.931	17.071	-0.140	2028338	0.01685	8.1	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	6201742	0.06031	29	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/00920olp.b/014f1401.d
Date : 21-SEP-2000 06:47
Client ID: SL53-6
Sample Info: DJRNQ101
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/014f1401.d
Lab Smp Id: DJRNQ101 Client Smp ID: SL53-6
Inj Date : 21-SEP-2000 06:47
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ101
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weigth of sample extracted (g)
M	31.28600	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	789903	0.00586	2.8	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.533	6.673	-0.140	117585	0.08257	40	80.00- 120.00	100.00
6.880	7.020	-0.140	654614	0.70899	340	44.83- 84.83	556.72
7.018	7.158	-0.140	524585	0.15020	72	225.24- 265.24	446.13
Average of Peak Concentrations =					150		
3 alpha-BHC					CAS #: 319-84-6		
7.344	7.444	-0.100	503837	0.00269	1.3	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
7 beta-BHC					CAS #: 319-85-7		
8.485	8.585	-0.100	1698921	0.02516	12	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	406404	0.00261	1.2	80.00- 120.00	100.00(a)
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	4931103	0.03906	19	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	57884264	0.35909	170	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	7527957	0.05610	27	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	57402734	0.41501	200	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.968	12.108	-0.140	1017441	0.00864	4.2	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	27786833	0.20206	97	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	88279018	0.65052	310	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	24395869	0.17085	82	80.00- 120.00	100.00
22 Aroclor-1260					CAS #: 11096-82-5		
17.919	18.058	-0.139	3132579	0.66038	320	80.00- 120.00	100.00
19.571	19.711	-0.140	914462	0.17847	86	88.02- 128.02	29.19
19.913	20.053	-0.140	4808471	2.05076	990	29.43- 69.43	153.50
20.774	20.914	-0.140	376049	0.03390	16	213.82- 253.82	12.00
22.186	22.326	-0.140	259554	0.03788	18	124.44- 164.44	8.29
Average of Peak Concentrations =					280		
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	20066074	0.20213	97	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	7704836	0.08532	41	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.622	21.762	-0.140	1389773	0.01198	5.8	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2812496	0.02976	14	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/a2hp4.i/00920clp-r.b/014f1401.d

Date : 21-SEP-2000 06:47

Client ID: SL53-6

Sample Info: DJRNQ101

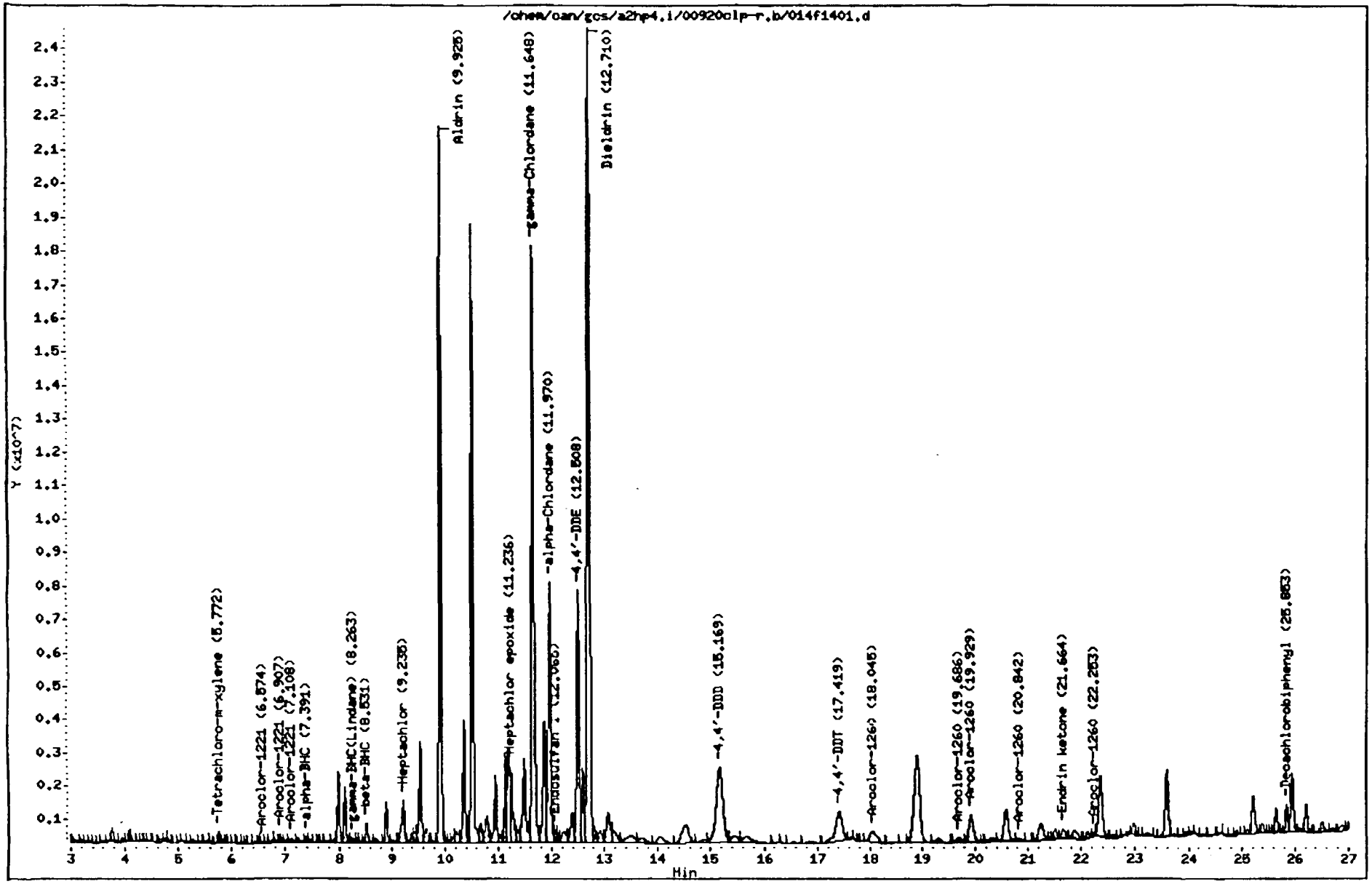
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL53-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNQ301

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 013F1301

% Moisture: 31 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC(Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	160	D
1024-57-3	Heptachlor epoxide	18	DJP
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	260	D
72-55-9	4,4'-DDE	66	D
72-20-8	Endrin	48	U
33213-65-9	Endosulfan II	48	U
72-54-8	4,4'-DDD	76	D
1031-07-8	Endosulfan sulfate	48	U
50-29-3	4,4'-DDT	40	DJ
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	12	U
7421-93-4	Endrin aldehyde	48	U
5103-71-9	alpha-Chlordane	82	D
5103-74-2	gamma-Chlordane	170	D
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	480	U
11104-28-2	Aroclor-1221	960	U
11141-16-5	Aroclor-1232	480	U
53469-21-9	Aroclor-1242	480	U
12672-29-6	Aroclor-1248	480	U
11097-69-1	Aroclor-1254	480	U
11096-82-5	Aroclor-1260	480	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/013f1301.d
Lab Smp Id: DJRNQ101 Client Smp ID: SL53-6DL
Inj Date : 21-SEP-2000 06:14
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 13
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	31.28600	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	128080	0.00103	5.0	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	491220	0.00407	20	80.00- 120.00	100.00(a)
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	5065214	0.03356	160	80.00- 120.00	100.00
11 Aroclor-1254					CAS #: 11097-69-1		
9.370	9.510	-0.140	384233	0.08504	410	80.00- 120.00	100.00
9.930	10.070	-0.140	5435376	0.81293	3900	127.97- 167.97	1414.60

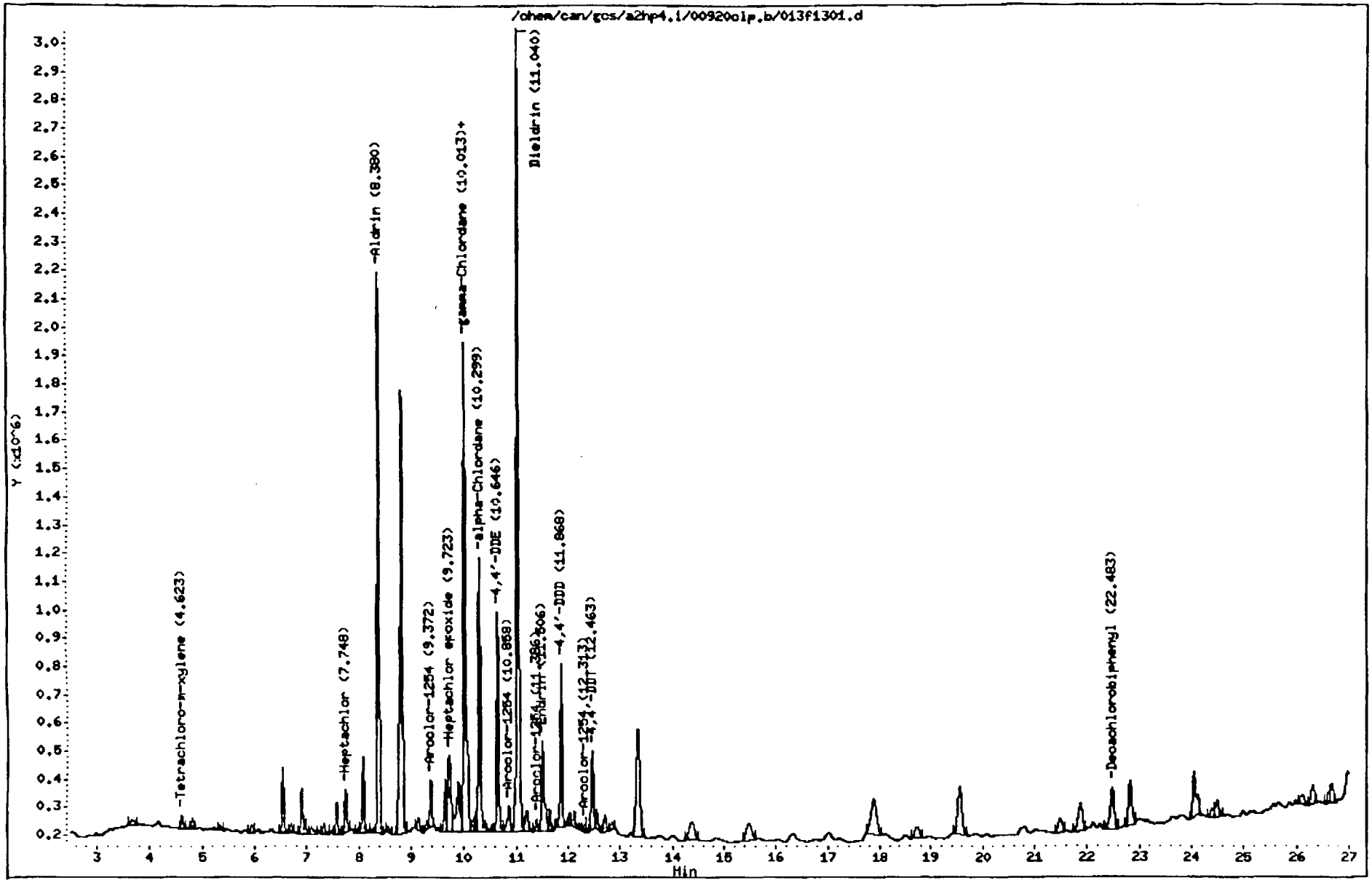
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
11 Aroclor-1254 (continued)							
10.733	10.873	-0.140	337106	0.04733	230	137.63- 177.63	87.74
11.307	11.447	-0.140	145561	0.02896	140	91.25- 131.25	37.88
12.267	12.407	-0.140	59813	0.00853	41	135.27- 175.27	15.57
Average of Peak Concentrations =					950		
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	1072040	0.00832	40	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	5435376	0.03940	190	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	2858950	0.02111	100	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	2024961	0.01446	70	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	7979719	0.06005	290	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	1180285	0.01174	56	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	1601766	0.01576	76	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	865876	0.00898	43	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	778469	0.00757	36	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/013f1301.d
Date : 21-SEP-2000 06:14
Client ID: SL53-6DL
Sample Info: DJRNQ101,10
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/013f1301.d
Lab Smp Id: DJRNQ101 Client Smp ID: SL53-6DL
Inj Date : 21-SEP-2000 06:14
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ101,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 13
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.19000	Weigth of sample extracted (g)
M	31.28600	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	84459	0.000627	3.0	80.00- 120.00	100.00
10 Aroclor-1248					CAS #: 12672-29-6		
9.019	9.159	-0.140	9568	0.00190	9.1	80.00- 120.00	100.00
9.320	9.460	-0.140	61258	0.03089	150	19.30- 59.30	640.24
10.439	10.579	-0.140	4236488	2.60912	12000	12.18- 52.18	44277.45
10.618	10.758	-0.140	95659	0.01961	94	76.66- 116.66	999.78
11.268	11.408	-0.140	20903	0.00400	19	83.54- 123.54	218.47
Average of Peak Concentrations =					2600		
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	5436300	0.03372	160	80.00- 120.00	100.00

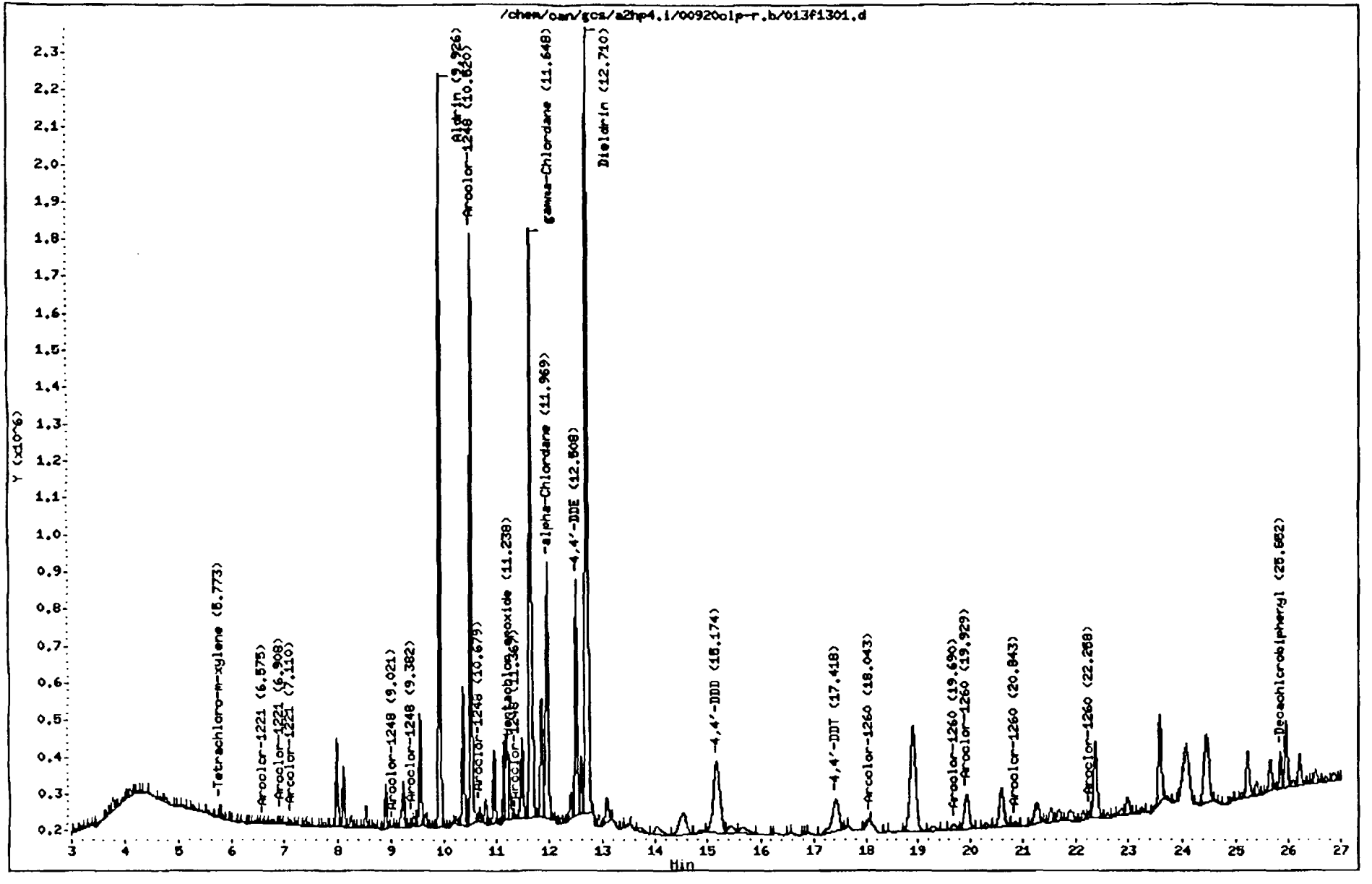
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	504554	0.00376	18	80.00- 120.00	100.00(a)
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	4961318	0.03587	170	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	2351096	0.01710	82	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	7347278	0.05414	260	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	1941872	0.01360	66	80.00- 120.00	100.00
22 Aroclor-1260					CAS #: 11096-82-5		
17.919	18.058	-0.139	41548	0.00876	42	80.00- 120.00	100.00(a)
19.571	19.711	-0.140	100169	0.01935	94	88.02- 128.02	241.09
19.913	20.053	-0.140	562465	0.23989	1200	29.43- 69.43	1353.76
20.774	20.914	-0.140	67640	0.00610	29	213.82- 253.82	162.80
22.186	22.326	-0.140	55274	0.00807	39	124.44- 164.44	133.04
Average of Peak Concentrations =					270		
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	1700010	0.01712	82	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	758675	0.00840	40	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	342609	0.00363	17	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/a2hp4.i/00920clp-r.b/013f1301.d
Date : 21-SEP-2000 06:14
Client ID: SL53-6DL
Sample Info: DJRNQ101,10
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL53-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNQ201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 031F2901

% Moisture: 31 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/04/00

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/KG	Q
319-84-6	alpha-BHC	1.4	JP
319-85-7	beta-BHC	7.1	P
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC(Lindane)	2.4	U
76-44-8	Heptachlor	18	P
309-00-2	Aldrin	140	
1024-57-3	Heptachlor epoxide	26	P
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	250	
72-55-9	4,4'-DDE	61	
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	77	
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	40	
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	6.1	P
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	74	
5103-74-2	gamma-Chlordane	160	
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/031f2901.d
Lab Smp Id: DJRNQ201 Client Smp ID: SL53-6RE
Inj Date : 04-OCT-2000 06:22
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic.b/clp30a.m
Meth Date : 13-Oct-2000 10:45 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 23:22 Cal File: 018f1601.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weight of sample extracted (g)
M	31.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	4830717	0.03567	17	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.839	5.939	-0.100	1773205	0.00922	4.5	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.580	6.680	-0.100	515954	0.00327	1.6	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	1099782750	8.16509	4000	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.257	8.357	-0.100	47816793	0.28692	140	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.857	6.957	-0.100	1065762	0.01476	7.1	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.210	7.310	-0.100	738866	0.00426	2.1	80.00- 120.00	100.00(a)
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.601	9.741	-0.140	7592678	0.05301	26	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.383	10.523	-0.140	520829	0.00406	2.0	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	49650002	0.32803	160	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	27314719	0.18218	88	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.504	10.644	-0.140	19328089	0.12609	61	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.896	11.036	-0.140	76447288	0.51227	250	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.334	11.474	-0.140	11408459	0.09936	48	80.00- 120.00	100.00
22 Toxaphene					CAS #: 8001-35-2		
10.914	11.054	-0.140	76447288	65.8699	32000	80.00- 120.00	100.00
11.428	11.568	-0.140	2904042	1.31827	640	169.81- 209.81	3.80
12.042	12.182	-0.140	1084039	0.44196	210	191.34- 231.34	1.42
12.736	12.876	-0.140	3268563	1.34329	650	189.66- 229.66	4.28
Average of Peak Concentrations =					8400		
23 Endosulfan II					CAS #: 33213-65-9		
11.809	11.949	-0.140	657068	0.00521	2.5	80.00- 120.00	100.00(a)
24 4,4'-DDD					CAS #: 72-54-8		
11.728	11.868	-0.140	17631247	0.15986	77	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.307	12.447	-0.140	8918895	0.08349	40	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
29 Endrin ketone					CAS #: 53494-70-5		
16.642	16.782	-0.140	1522974	0.01254	6.1	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	8678288	0.08791	42	80.00- 120.00	100.00(R)

QC Flag Legend

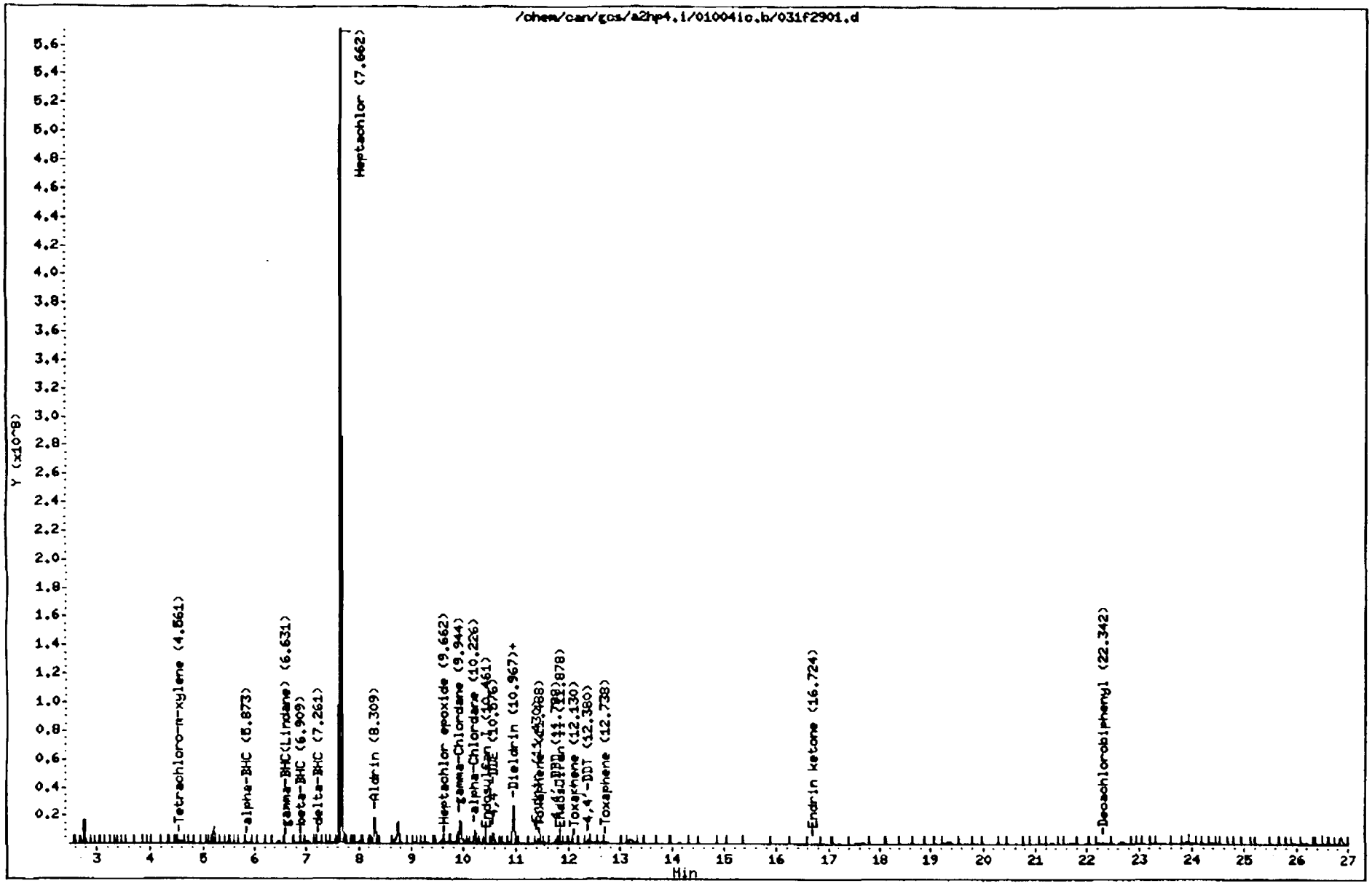
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/can/gcs/a2hp4.i/01004ic.b/031f2901.d
Date : 04-OCT-2000 06:22
Client ID: SL53-6RE
Sample Info: DJRNQ201
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Page 4

Instrument: a2hp4.i

Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/031f2901.d
Lab Smp Id: DJRNQ201 Client Smp ID: SL53-6RE
Inj Date : 04-OCT-2000 06:22
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ201
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic-r.b/clp30b.m
Meth Date : 13-Oct-2000 10:46 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 22:17 Cal File: 016f1401.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weigth of sample extracted (g)
M	31.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	4827536	0.03321	16	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.562	6.702	-0.140	93997	0.49061	240	80.00- 120.00	100.00
6.799	6.939	-0.140	201696	0.19826	96	510.98- 850.98	214.58
6.939	7.079	-0.140	346401	0.09061	44	1975.46-2015.46	368.52
Average of Peak Concentrations =					120		
3 alpha-BHC					CAS #: 319-84-6		
7.261	7.361	-0.100	560695	0.00281	1.4	80.00- 120.00	100.00(m)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1232					CAS #: 11141-16-5		
6.939	7.079	-0.140	346401	0.11536	56	80.00- 120.00	100.00
7.909	8.049	-0.140	7896274	3.44240	1700	56.39- 96.39	2279.52
8.943	9.082	-0.139	189801	0.04362	21	124.90- 164.90	54.79
11.178	11.318	-0.140	1153375367	785.207	380000	28.92- 68.92	332959.23
Average of Peak Concentrations =					96000		
5 Aroclor-1242					CAS #: 53469-21-9		
6.938	7.078	-0.140	346401	0.15979	77	80.00- 120.00	100.00
7.909	8.049	-0.140	7896274	2.04990	990	157.69- 197.69	2279.52
8.938	9.078	-0.140	189801	0.02528	12	326.33- 366.33	54.79
9.237	9.377	-0.140	90829	0.02799	14	129.69- 169.69	26.22
10.529	10.669	-0.140	763155	0.25868	120	116.09- 156.09	220.31
Average of Peak Concentrations =					240		
7 beta-BHC					CAS #: 319-85-7		
8.402	8.502	-0.100	1563163	0.02077	10	80.00- 120.00	100.00
10 Aroclor-1248					CAS #: 12672-29-6		
7.907	8.047	-0.140	7896274	3.70118	1800	80.00- 120.00	100.00
8.934	9.074	-0.140	189801	0.03505	17	233.81- 273.81	2.40
10.273	10.413	-0.140	9411346	1.96601	950	204.38- 244.38	119.19
10.528	10.668	-0.140	763155	0.14339	69	229.47- 269.47	9.66
12.612	12.752	-0.140	1645602	0.51831	250	128.82- 168.82	20.84
Average of Peak Concentrations =					620		
11 Heptachlor					CAS #: 76-44-8		
9.100	9.200	-0.100	4993802	0.03694	18	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	55585432	0.31689	150	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.080	11.220	-0.140	385940635	2.61327	1300	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	52096452	0.34443	170	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	23163109	0.15362	74	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.518	12.658	-0.140	81486384	0.54973	270	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.330	12.470	-0.140	21051776	0.13559	66	80.00- 120.00	100.00

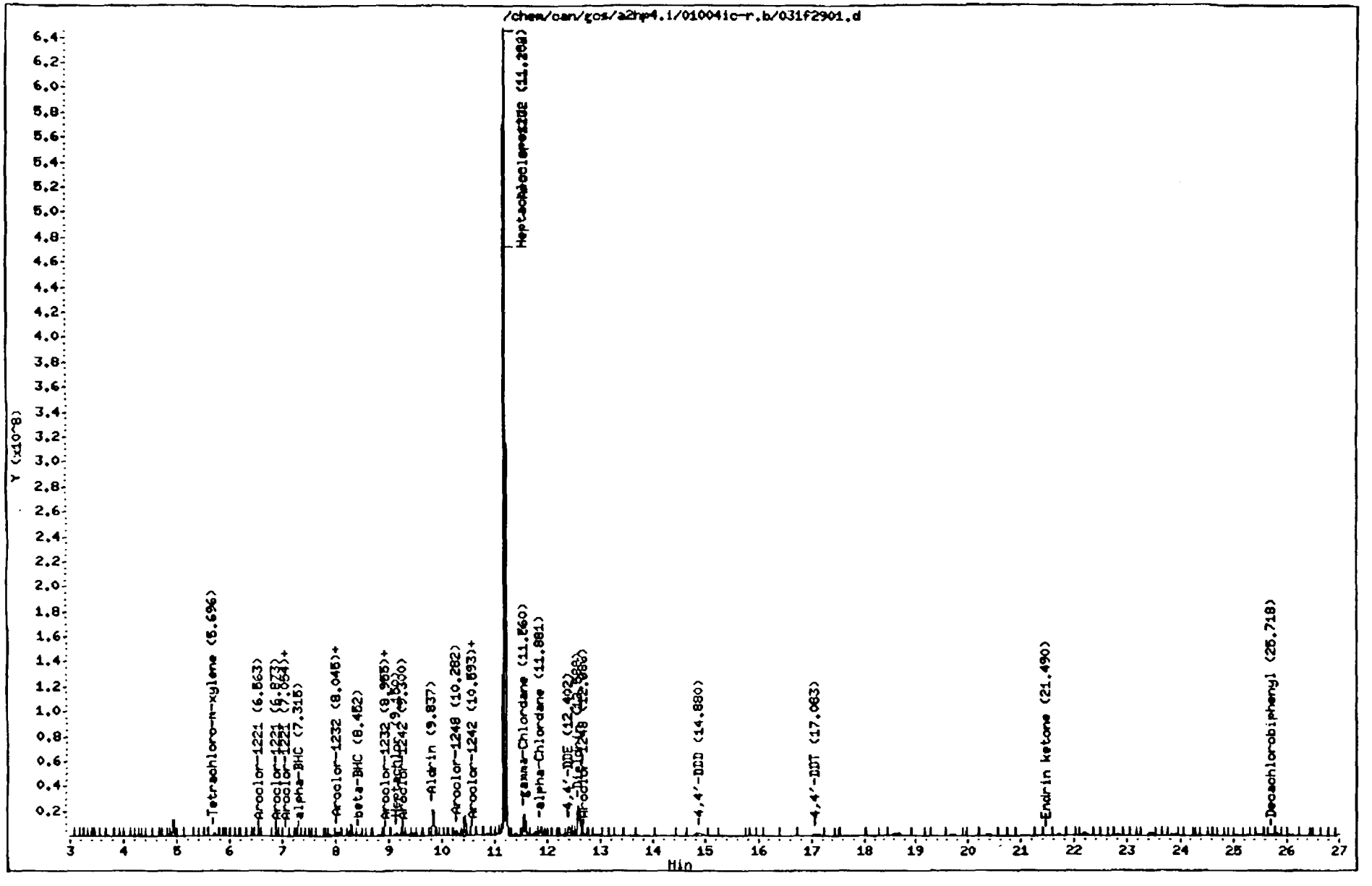
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Xg)	TARGET RANGE	RATIO
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	19059469	0.18441	89	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.009	17.149	-0.140	9670883	0.09963	46	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.431	21.571	-0.140	2082522	0.01827	8.8	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	3818846	0.04045	20	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/a2hp4.i/01004ic-r.b/031f2901.d
Date : 04-OCT-2000 06:22
Client ID: SL53-6RE
Sample Info: DJRN0201
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL53-6REDL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRNQ401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 030F2801

% Moisture: 31 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/04/00

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC(Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	140	D
1024-57-3	Heptachlor epoxide	18	DJP
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	240	D
72-55-9	4,4'-DDE	58	D
72-20-8	Endrin	48	U
33213-65-9	Endosulfan II	48	U
72-54-8	4,4'-DDD	67	D
1031-07-8	Endosulfan sulfate	48	U
50-29-3	4,4'-DDT	41	DJ
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	12	U
7421-93-4	Endrin aldehyde	48	U
5103-71-9	alpha-Chlordane	71	DB
5103-74-2	gamma-Chlordane	150	DB
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	480	U
11104-28-2	Aroclor-1221	970	U
11141-16-5	Aroclor-1232	480	U
53469-21-9	Aroclor-1242	480	U
12672-29-6	Aroclor-1248	480	U
11097-69-1	Aroclor-1254	480	U
11096-82-5	Aroclor-1260	480	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/030f2801.d
Lab Smp Id: DJRNQ201 Client Smp ID: SL53-6REDL
Inj Date : 04-OCT-2000 05:49
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ201,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic.b/clp30a.m
Meth Date : 13-Oct-2000 10:45 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 23:22 Cal File: 018f1601.d
Als bottle: 30
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weight of sample extracted (g)
M	31.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	470789	0.00348	17	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	127996752	0.95028	4600	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.257	8.357	-0.100	4701335	0.02821	140	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.601	9.741	-0.140	548865	0.00383	18	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	4699359	0.03105	150	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	2546537	0.01698	82	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.504	10.644	-0.140	1828056	0.01193	58	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.896	11.036	-0.140	7752309	0.05195	250	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.334	11.474	-0.140	1319515	0.01149	56	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.728	11.868	-0.140	1532558	0.01390	67	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.307	12.447	-0.140	908598	0.00851	41	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	821052	0.00832	40	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/01004ic.b/030f2801.d

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Date : 04-OCT-2000 06:49

Client ID: SL53-6REDL

Instrument: a2hp4.i

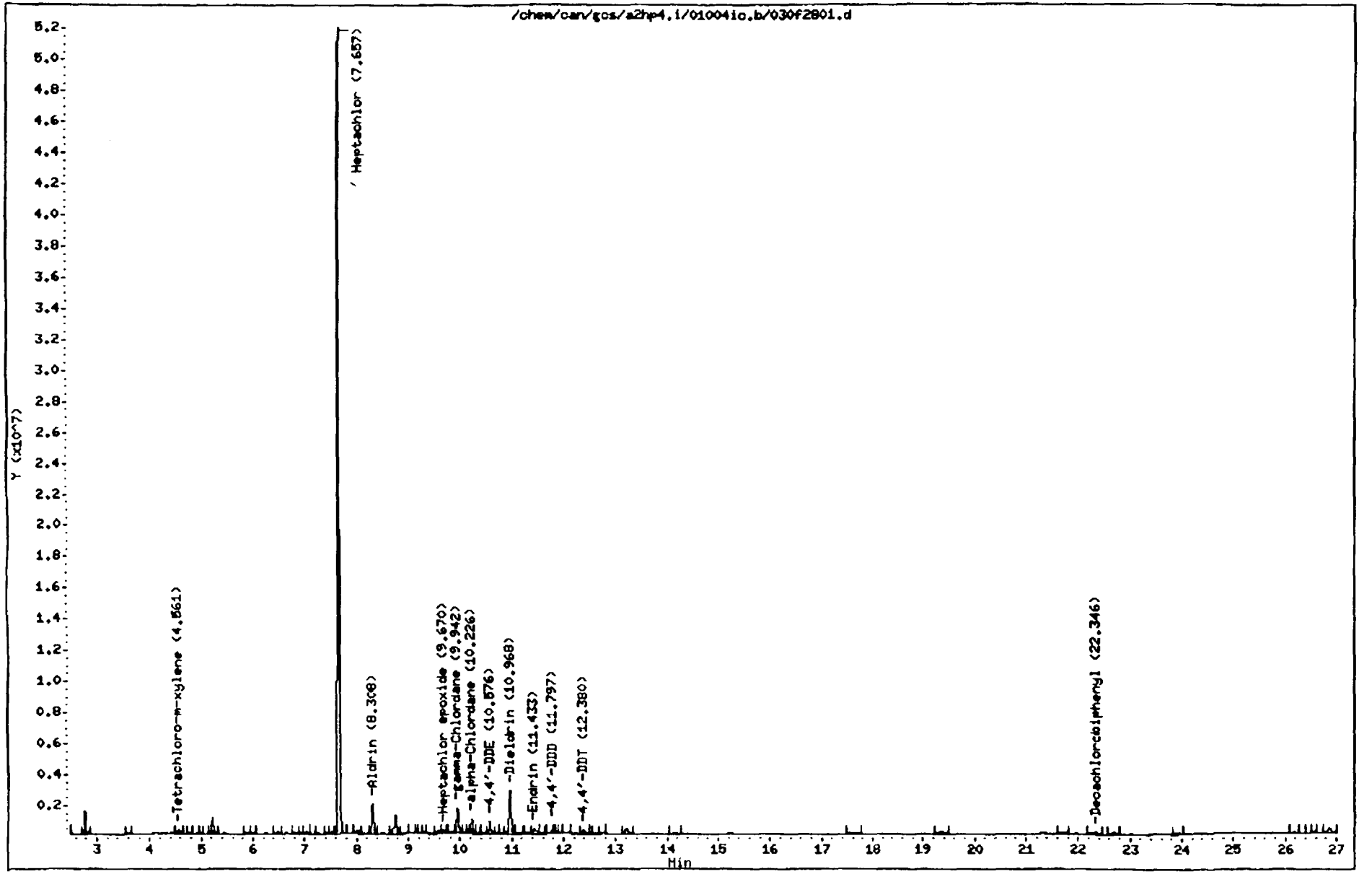
Sample Info: DJRHQ201,10

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/030f2801.d
Lab Smp Id: DJRNQ201 Client Smp ID: SL53-6REDL
Inj Date : 04-OCT-2000 05:49
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRNQ201,10
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic-r.b/clp30b.m
Meth Date : 13-Oct-2000 10:46 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 22:17 Cal File: 016f1401.d
Als bottle: 30
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weigth of sample extracted (g)
M	31.30000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	471012	0.00324	16	80.00- 120.00	100.00(R)
6 Aroclor-1232					CAS #: 11141-16-5		
6.939	7.079	-0.140	43393	0.01445	70	80.00- 120.00	100.00
7.909	8.049	-0.140	607449	0.26482	1300	56.39- 96.39	1399.87
8.943	9.082	-0.139	21718	0.00499	24	124.90- 164.90	50.05
11.178	11.318	-0.140	119156486	81.1206	390000	28.92- 68.92	274597.14
Average of Peak Concentrations =					99000		
10 Aroclor-1248					CAS #: 12672-29-6		
7.907	8.047	-0.140	607449	0.28473	1400	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aroclor-1248 (continued)							
8.934	9.074	-0.140	21718	0.00401	19	233.81- 273.81	3.58
10.273	10.413	-0.140	955954	0.19970	970	204.38- 244.38	157.37
10.528	10.668	-0.140	146347	0.02750	130	229.47- 269.47	24.09
12.612	12.752	-0.140	200214	0.06306	300	128.82- 168.82	32.96
Average of Peak Concentrations =					560		
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	5138151	0.02929	140	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.080	11.220	-0.140	1083509	0.00734	36	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	4849935	0.03207	160	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	2204237	0.01462	71	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.518	12.658	-0.140	7448527	0.05025	240	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.330	12.470	-0.140	1933751	0.01245	60	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	1588188	0.01537	74	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.009	17.149	-0.140	821567	0.00646	41	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	360614	0.00382	18	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/01004ic-r.b/030f2801.d

Page 3

Date : 04-OCT-2000 05:49

Client ID: SL53-6REDL

Instrument: a2hp4.i

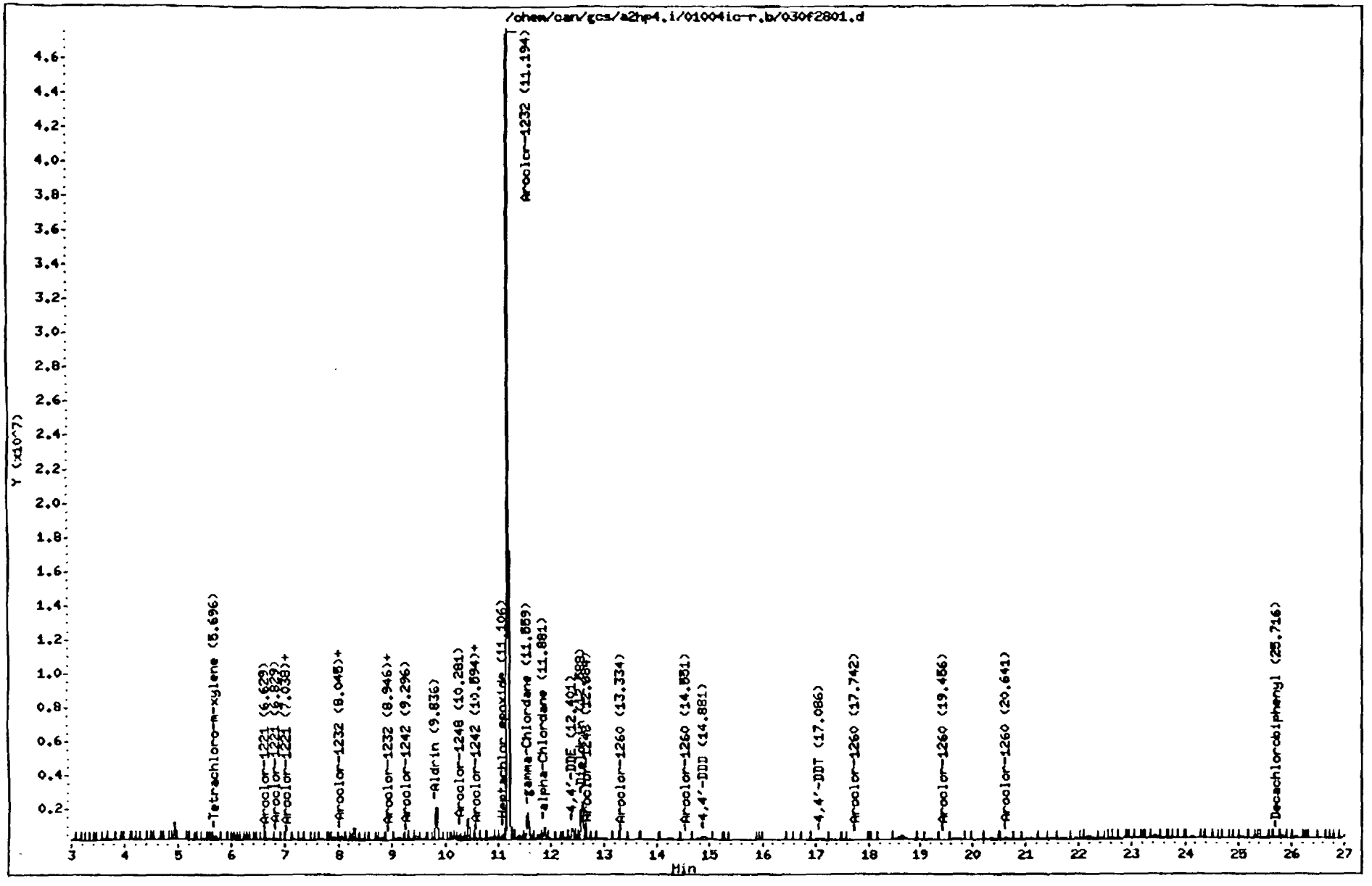
Sample Info: DJRNQ201,10

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL54-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP0101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 010F1001

% Moisture: 24 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	10	J
319-86-8	delta-BHC	20	
58-89-9	gamma-BHC(Lindane)	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	82	
1024-57-3	Heptachlor epoxide	15	P
959-98-8	Endosulfan I	9.0	J
60-57-1	Dieldrin	110	
72-55-9	4,4'-DDE	33	P
72-20-8	Endrin	22	U
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	130	
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	48	
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	22	U
5103-71-9	alpha-Chlordane	210	PB
5103-74-2	gamma-Chlordane	450	CB
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	440	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/010f1001.d
Lab Smp Id: DJRP0101 Client Smp ID: SL54-6
Inj Date : 21-SEP-2000 04:37
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0101,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 10
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weight of sample extracted (g)
M	23.93900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	219219	0.00176	3.8	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	3940978	0.02438	53	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	3646114	0.03739	82	80.00- 120.00	100.00
11 Aroclor-1254					CAS #: 11097-69-1		
9.370	9.510	-0.140	472364	0.10454	230	80.00- 120.00	100.00
9.930	10.070	-0.140	28286917	4.23065	9200	127.97- 167.97	5988.37

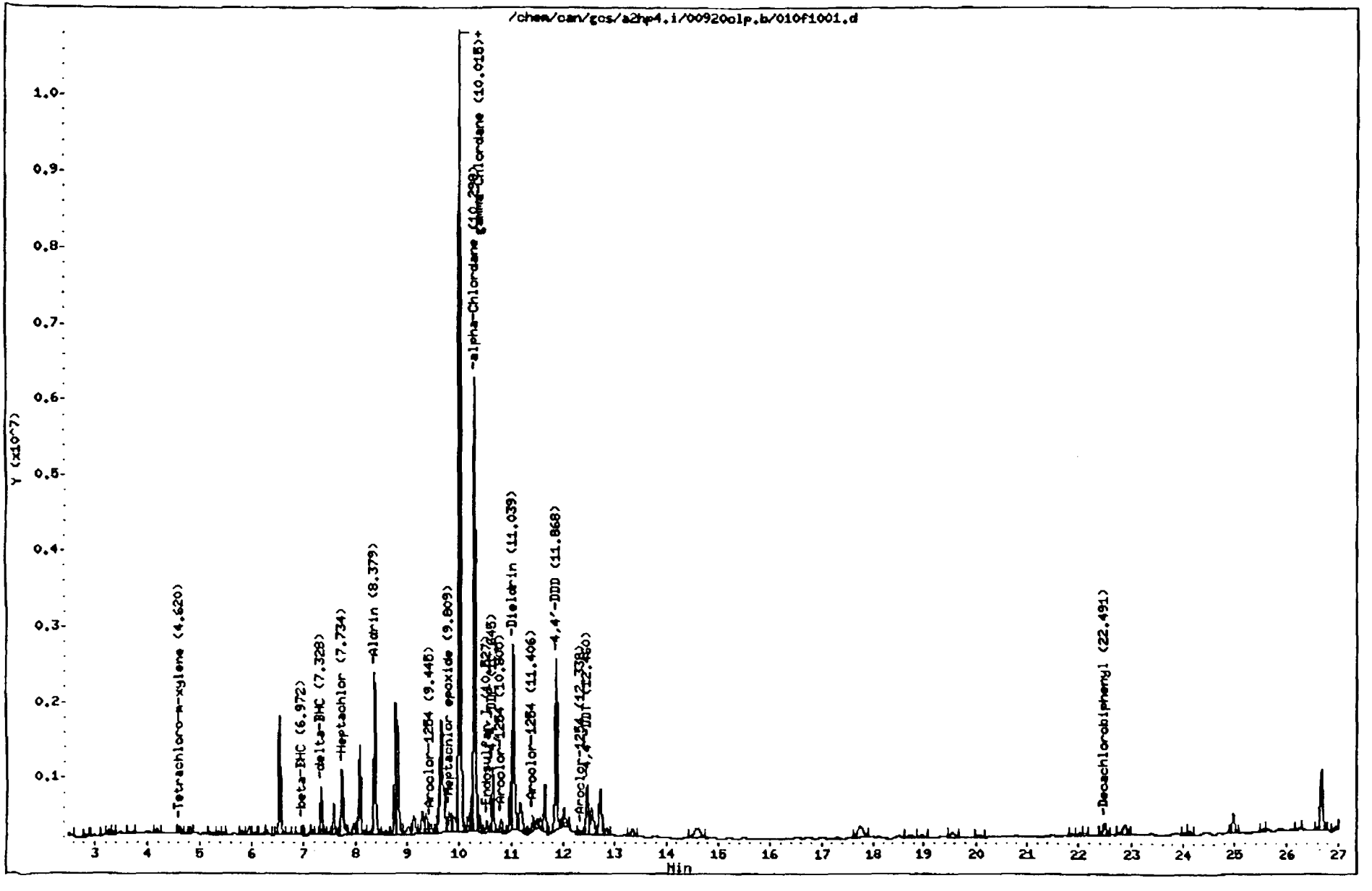
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
11 Aroclor-1254 (continued)							
10.733	10.873	-0.140	617352	0.08668	190	137.63- 177.63	130.69
11.307	11.447	-0.140	472875	0.09407	200	91.25- 131.25	100.11
12.267	12.407	-0.140	156046	0.02224	49	135.27- 175.27	33.04
Average of Peak Concentrations =					2000		
12 beta-BHC					CAS #: 319-85-7		
6.923	7.023	-0.100	304522	0.00478	10	80.00- 120.00	100.00(a)
13 delta-BHC					CAS #: 319-86-8		
7.279	7.379	-0.100	1418547	0.00897	20	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	907882	0.00705	15	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.459	10.599	-0.140	484425	0.00410	9.0	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	28286917	0.20505	450	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	17160194	0.12672	280	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	2130094	0.01521	33	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	7134703	0.05369	120	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	6165316	0.06066	130	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	2137080	0.02216	48	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	677628	0.00659	14	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/a2hp4.i/00920olp.b/010f1001.d
Date : 21-SEP-2000 04:37
Client ID: SL54-6
Sample Info: DJRP0101,5
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/010f1001.d
Lab Smp Id: DJRP0101 Client Smp ID: SL54-6
Inj Date : 21-SEP-2000 04:37
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0101,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 10
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weigth of sample extracted (g)
M	23.93900	% Moisture

Cpnd Variable Local Compound Variable

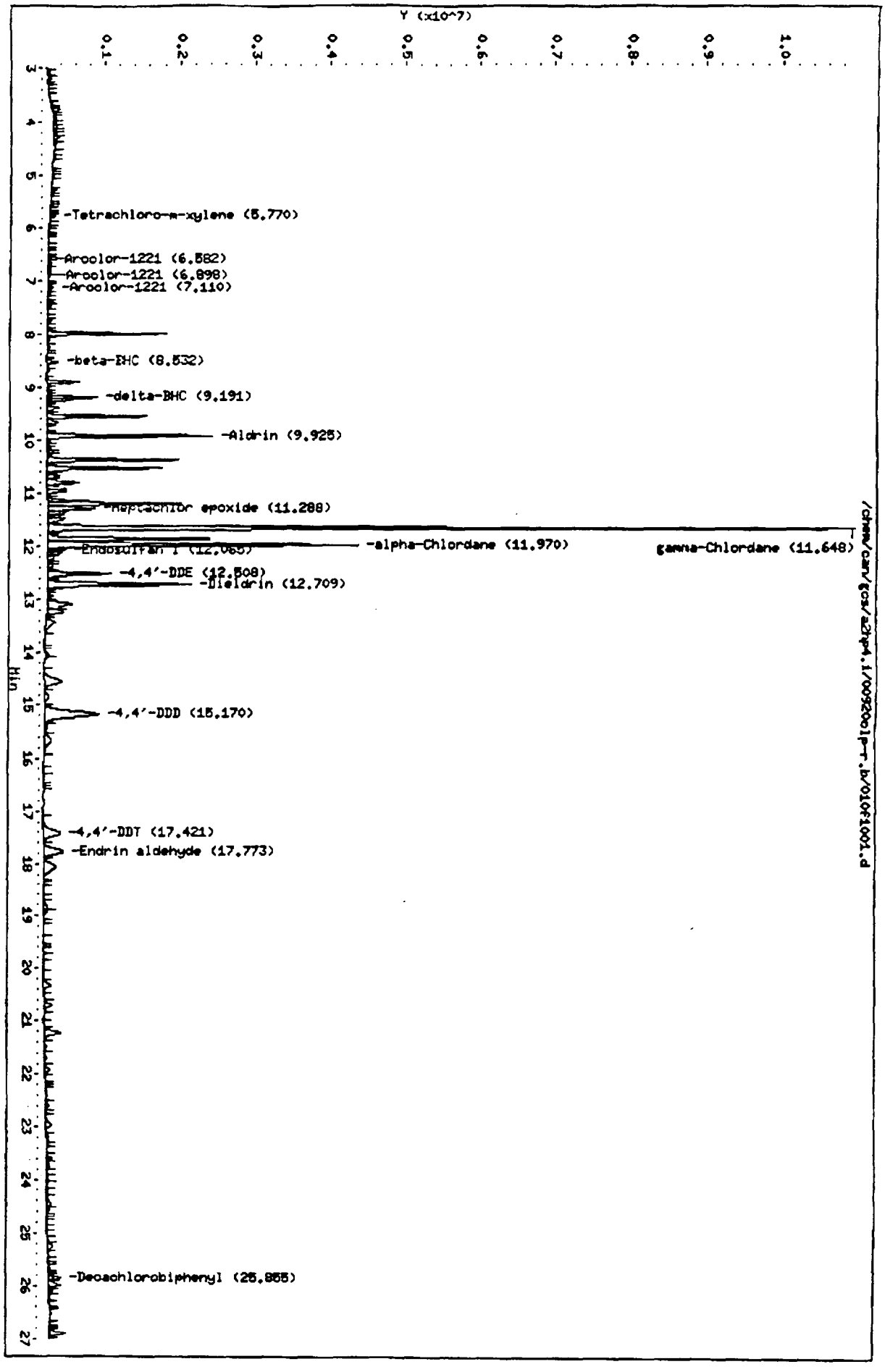
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	153860	0.00114	2.5	80.00- 120.00	100.00
7 beta-BHC					CAS #: 319-85-7		
8.485	8.585	-0.100	380626	0.00564	12	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
9.141	9.241	-0.100	1682811	0.01022	22	80.00- 120.00	100.00
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	6096728	0.03782	83	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	2094137	0.01561	34	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	29358185	0.21225	460	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.968	12.108	-0.140	606706	0.00515	11	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	13090325	0.09519	210	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	6880656	0.05070	110	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	3057306	0.02141	47	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	6002662	0.06047	130	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.738	17.878	-0.140	2109787	0.02394	52	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	2260345	0.02503	55	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	535700	0.00567	12	80.00- 120.00	100.00

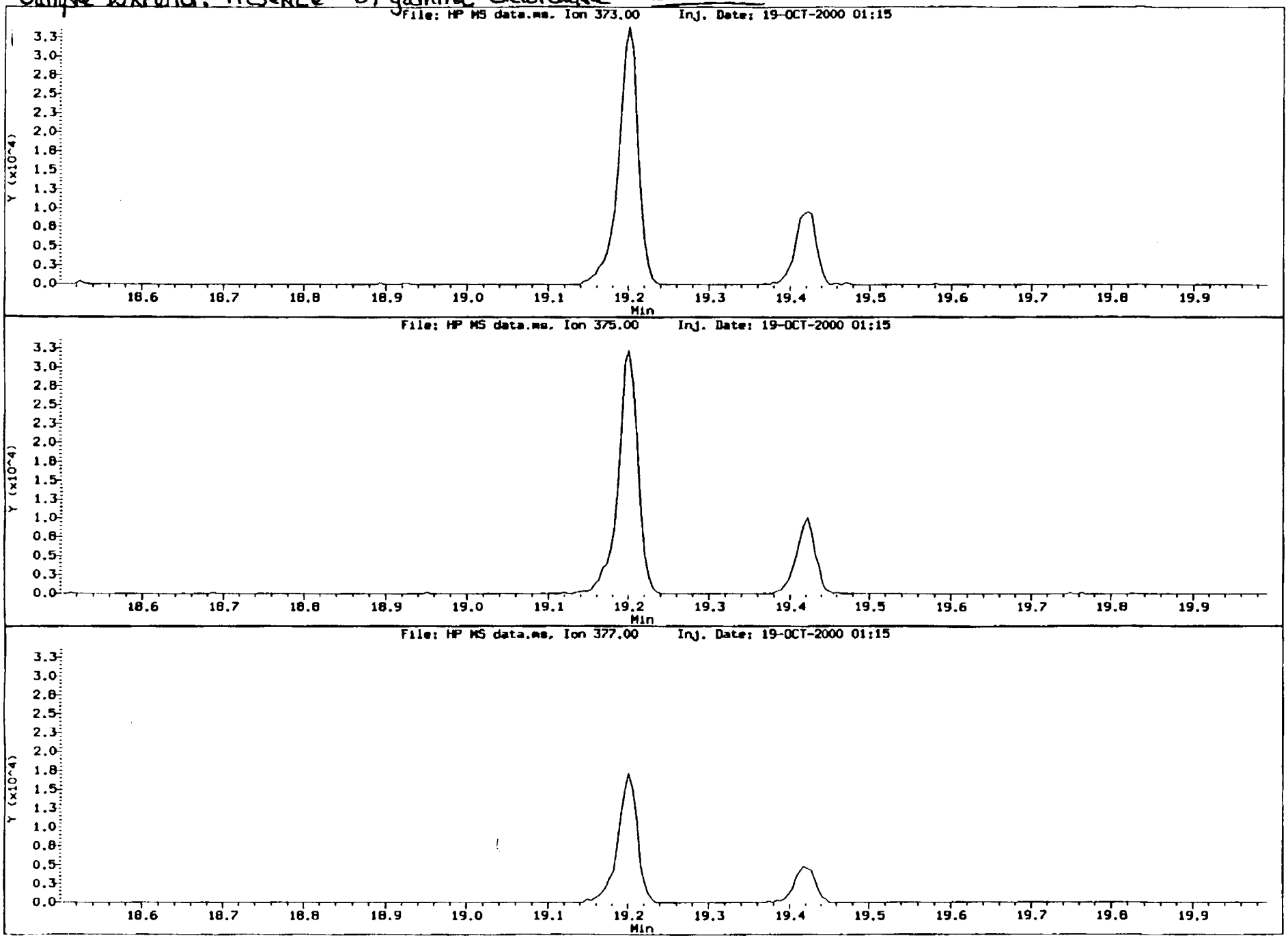
Data File: /chem/cam/gcs/a2hp4.i/009200lp-r.b/010f1001.d
Date : 21-SEP-2000 04:37
Client ID: SL54-6
Sample Info: DJRP0101,5
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53

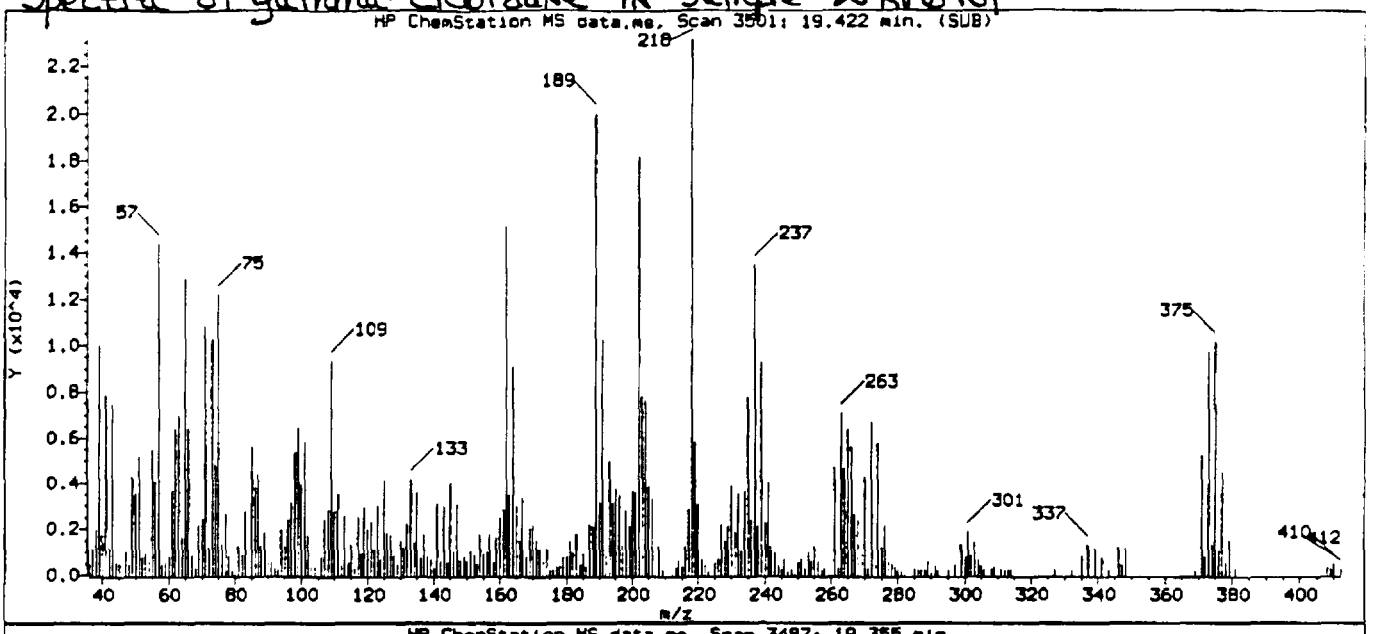
Page 3

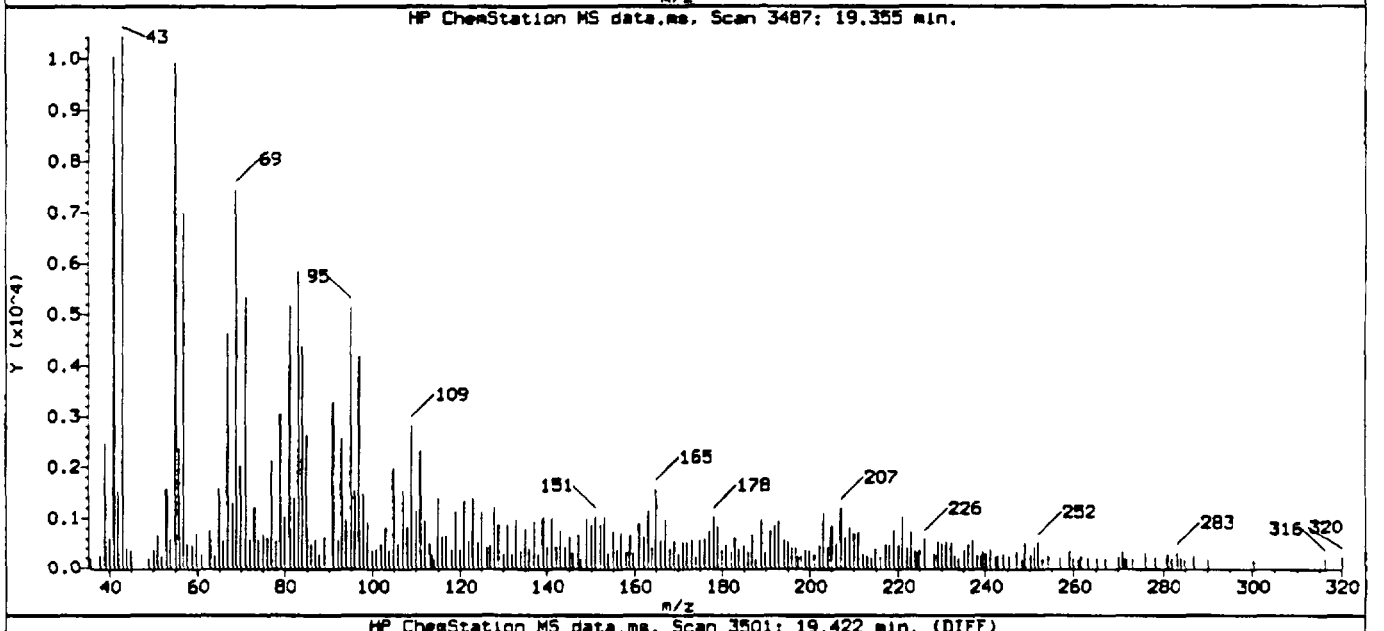


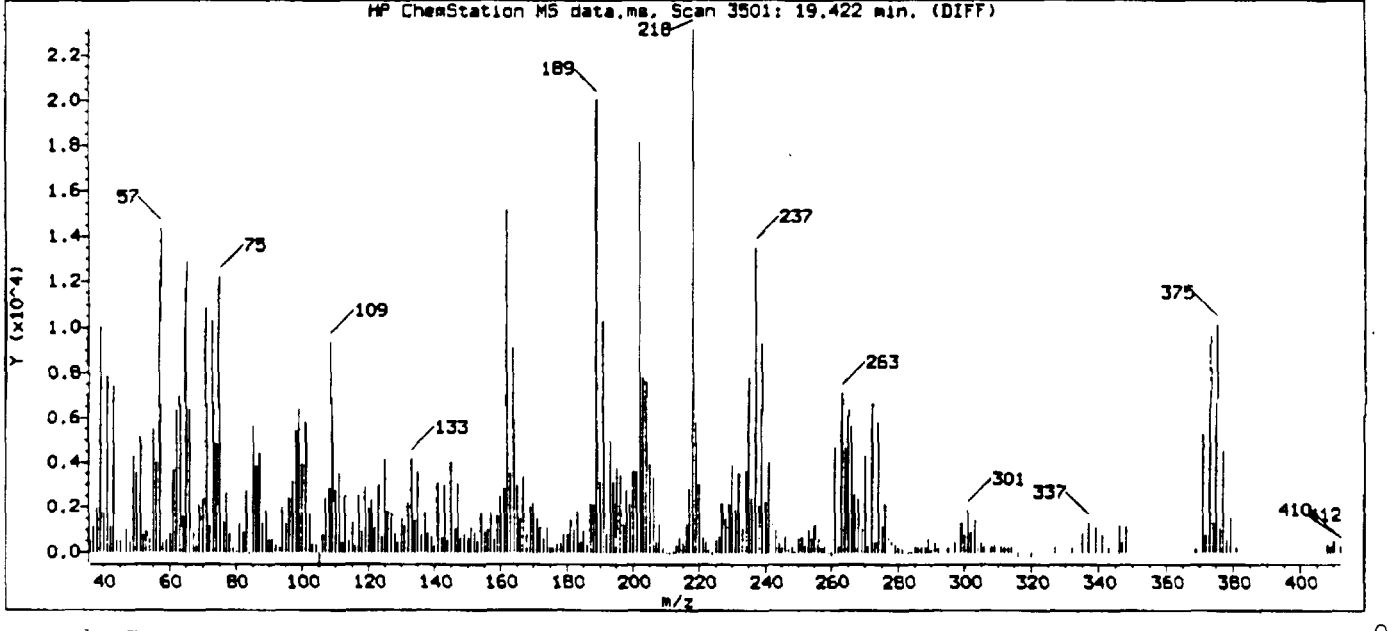
Sample DJRPØ1Ø1: Presence of gamma-chlordane Confirmed.



Spectra of gamma-chlordane in Sample DJRP0101







1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL54-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP0301

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 009F0901

% Moisture: 24 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	110	U
319-85-7	beta-BHC	110	U
319-86-8	delta-BHC	110	U
58-89-9	gamma-BHC(Lindane)	110	U
76-44-8	Heptachlor	110	U
309-00-2	Aldrin	78	DJ
1024-57-3	Heptachlor epoxide	110	U
959-98-8	Endosulfan I	110	U
60-57-1	Dieldrin	220	U
72-55-9	4,4'-DDE	220	U
72-20-8	Endrin	220	U
33213-65-9	Endosulfan II	220	U
72-54-8	4,4'-DDD	120	DJ
1031-07-8	Endosulfan sulfate	220	U
50-29-3	4,4'-DDT	220	U
72-43-5	Methoxychlor	1100	U
53494-70-5	Endrin ketone	55	U
7421-93-4	Endrin aldehyde	220	U
5103-71-9	alpha-Chlordane	210	DP
5103-74-2	gamma-Chlordane	440	DC
8001-35-2	Toxaphene	11000	U
12674-11-2	Aroclor-1016	2200	U
11104-28-2	Aroclor-1221	4400	U
11141-16-5	Aroclor-1232	2200	U
53469-21-9	Aroclor-1242	2200	U
12672-29-6	Aroclor-1248	2200	U
11097-69-1	Aroclor-1254	2200	U
11096-82-5	Aroclor-1260	2200	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/009f0901.d
Lab Smp Id: DJRP0101 Client Smp ID: SL54-6DL
Inj Date : 21-SEP-2000 04:05
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0101,50
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 9
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weight of sample extracted (g)
M	23.93900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	301878	0.00250	55	80.00- 120.00	100.00(a)
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	537466	0.00356	78	80.00- 120.00	100.00(a)
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	2768280	0.02007	440	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	1728131	0.01276	280	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	750041	0.00564	120	80.00- 120.00	100.00(a)
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	605183	0.00595	130	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/a2hp4.i/00920olp.b/009f0901.d

Date : 21-SEP-2000 04:05

Client ID: SL54-6DL

Sample Info: BJRP0101,50

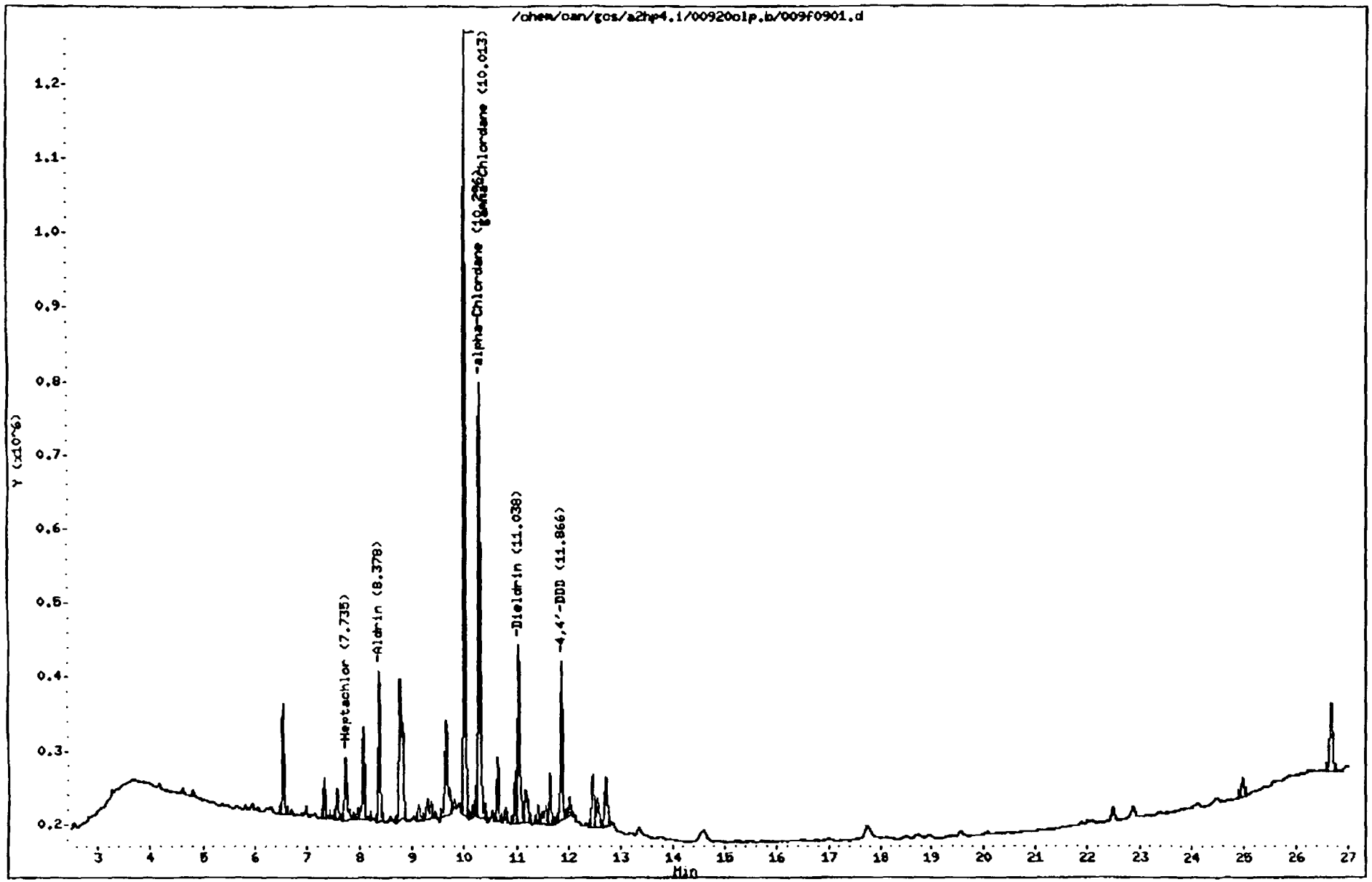
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/009f0901.d
Lab Smp Id: DJRP0101 Client Smp ID: SL54-6DL
Inj Date : 21-SEP-2000 04:05
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0101,50
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 9
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.05000	Weigth of sample extracted (g)
M	23.93900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	16178	0.00012	2.6	80.00- 120.00	100.00
16 Aroclor-1254					CAS #: 11097-69-1		
10.433	10.573	-0.140	370853	2.39740	52000	80.00- 120.00	100.00
11.259	11.399	-0.140	79463	0.01706	370	2991.09-3031.09	21.43
11.682	11.822	-0.140	17039	0.00309	68	3540.17-3580.17	4.59
12.422	12.562	-0.140	305976	0.08046	1800	2438.29-2478.29	82.51
12.739	12.879	-0.140	37359	0.00510	110	4710.89-4750.89	10.07
Average of Peak Concentrations =					11000		
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	587392	0.00364	80	80.00- 120.00	100.00(a)

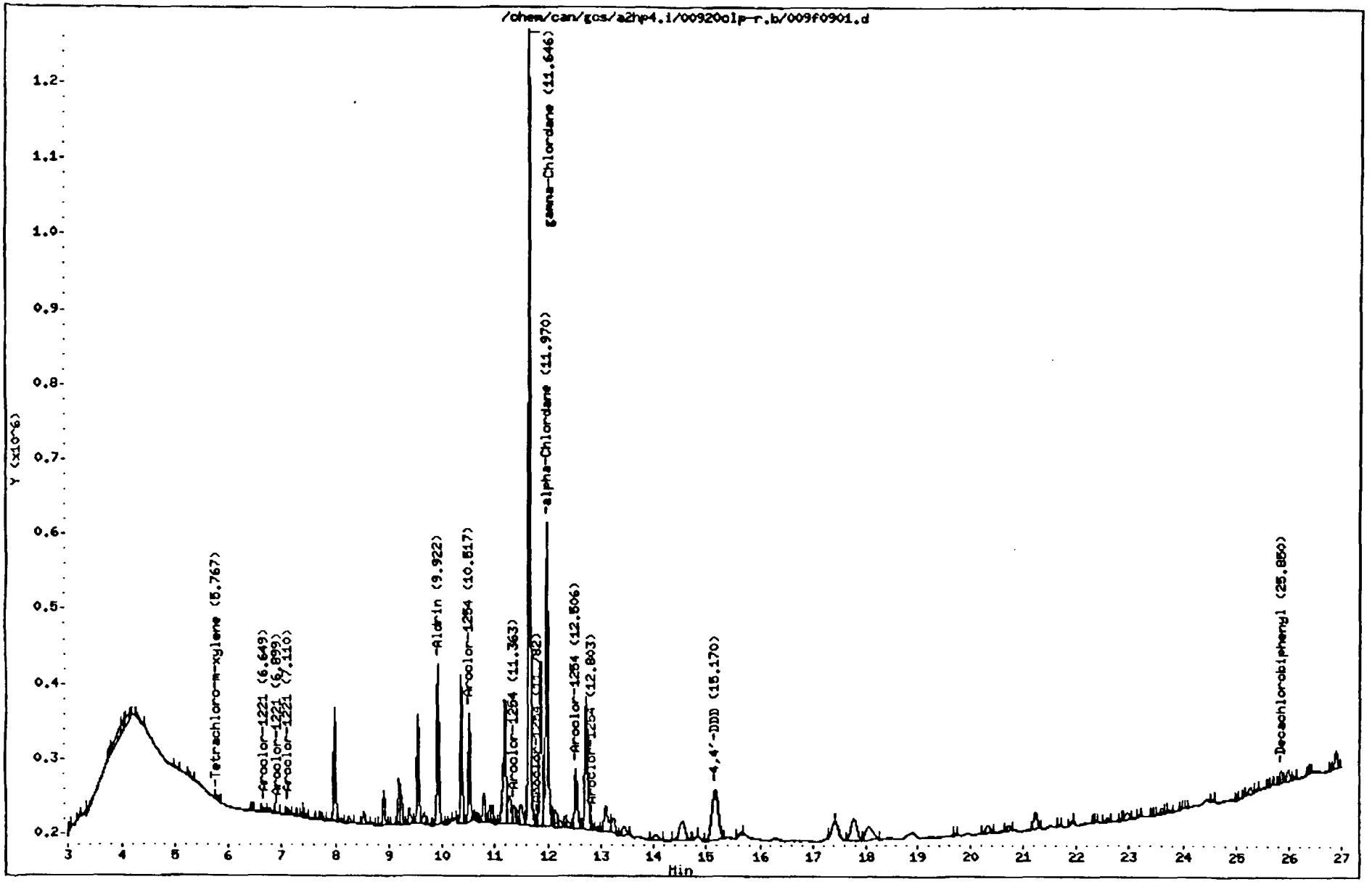
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	2887290	0.02087	460	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	1304418	0.00949	210	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	555628	0.00560	120	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	60254	0.000638	14	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/a2hp4.i/00920olp-r.b/009f0901.d
Date : 21-SEP-2000 04:05
Client ID: SL54-6DL
Sample Info: DJRP0101,50
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



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STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL54-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP0201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 027F2501

% Moisture: 24 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/04/00

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N 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	8.5	J
1024-57-3	Heptachlor epoxide	13	P
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	31	
72-55-9	4,4'-DDE	15	J
72-20-8	Endrin	22	U
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	27	
1031-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	22	U
5103-71-9	alpha-Chlordane	27	B
5103-74-2	gamma-Chlordane	43	B
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	440	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/027f2501.d
Lab Smp Id: DJRP0201 Client Smp ID: SL54-6RE
Inj Date : 04-OCT-2000 04:13
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0201,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic.b/clp30a.m
Meth Date : 13-Oct-2000 10:45 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 23:22 Cal File: 018f1601.d
Als bottle: 27
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	23.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	887746	0.00656	14	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	33007057	0.24505	540	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.257	8.357	-0.100	644539	0.00387	8.5	80.00- 120.00	100.00(a)
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.601	9.741	-0.140	839585	0.00586	13	80.00- 120.00	100.00

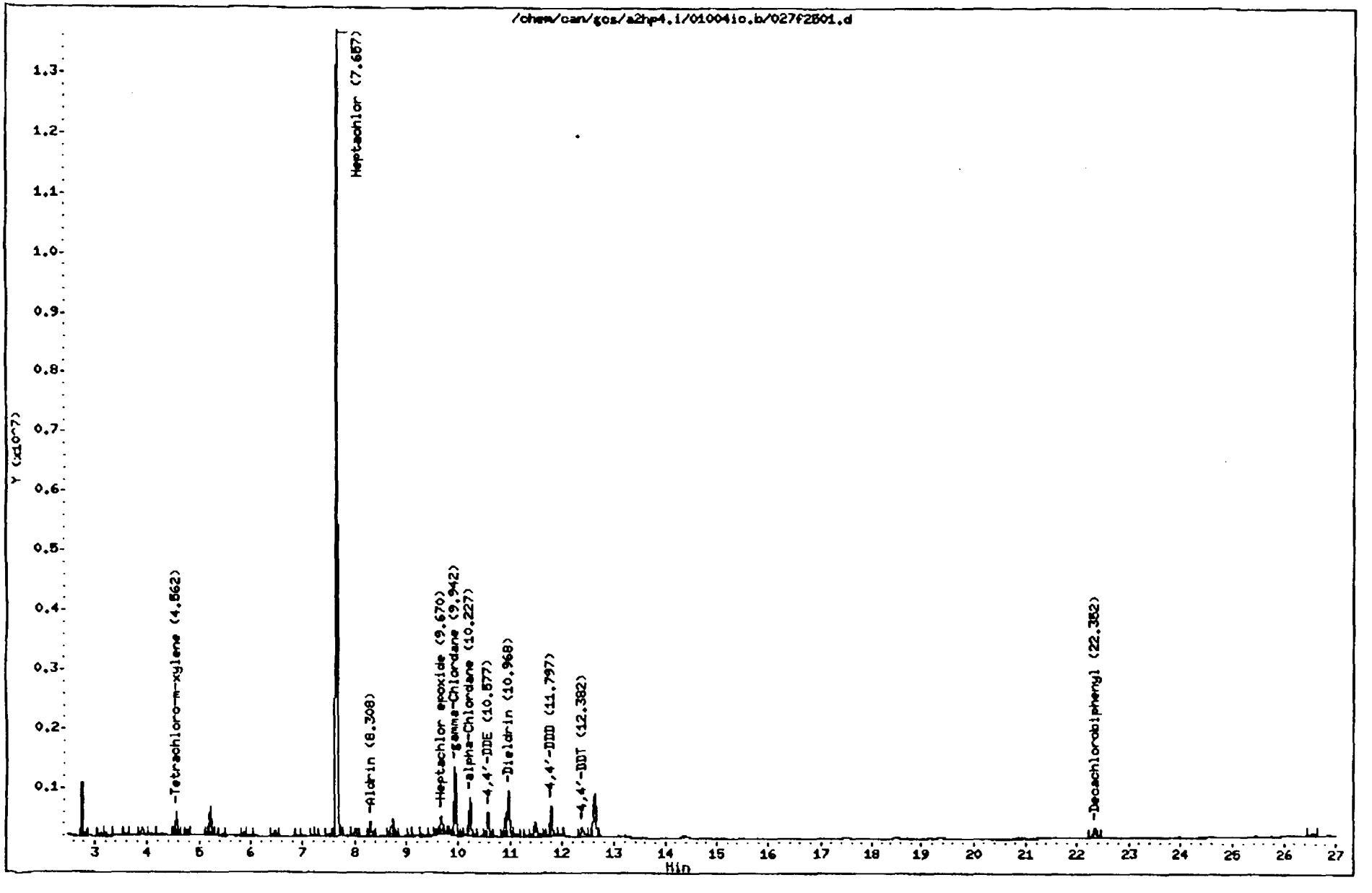
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	2992520	0.01977	43	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	1868220	0.01246	27	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.504	10.644	-0.140	1041381	0.00679	15	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.896	11.036	-0.140	2252646	0.01509	33	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.728	11.868	-0.140	1363421	0.01236	27	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.307	12.447	-0.140	624287	0.00584	13	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	737812	0.00747	16	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/a2hp4.i/0100410.b/027f2501.d
Date : 04-OCT-2000 04:13
Client ID: SL54-6RE
Sample Info: DJRP0201,5
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/027f2501.d
Lab Smp Id: DJRP0201 Client Smp ID: SL54-6RE
Inj Date : 04-OCT-2000 04:13
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP0201,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/01004ic-r.b/clp30b.m
Meth Date : 13-Oct-2000 10:46 dempstes Quant Type: ESTD
Cal Date : 03-OCT-2000 22:17 Cal File: 016f1401.d
Als bottle: 27
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	23.90000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	905032	0.00623	14	80.00- 120.00	100.00
16 Aroclor-1254					CAS #: 11097-69-1		
9.716	9.856	-0.140	741826	0.27101	590	80.00- 120.00	100.00
10.274	10.414	-0.140	576837	0.33606	740	42.71- 82.71	77.76
11.172	11.312	-0.140	199691	0.04024	88	161.28- 201.28	26.92
11.592	11.732	-0.140	53392	0.00896	20	197.69- 237.69	7.20
12.613	12.753	-0.140	695336	0.08567	190	276.51- 316.51	93.73
Average of Peak Concentrations =					320		
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	741826	0.00423	9.3	80.00- 120.00	100.00(a)

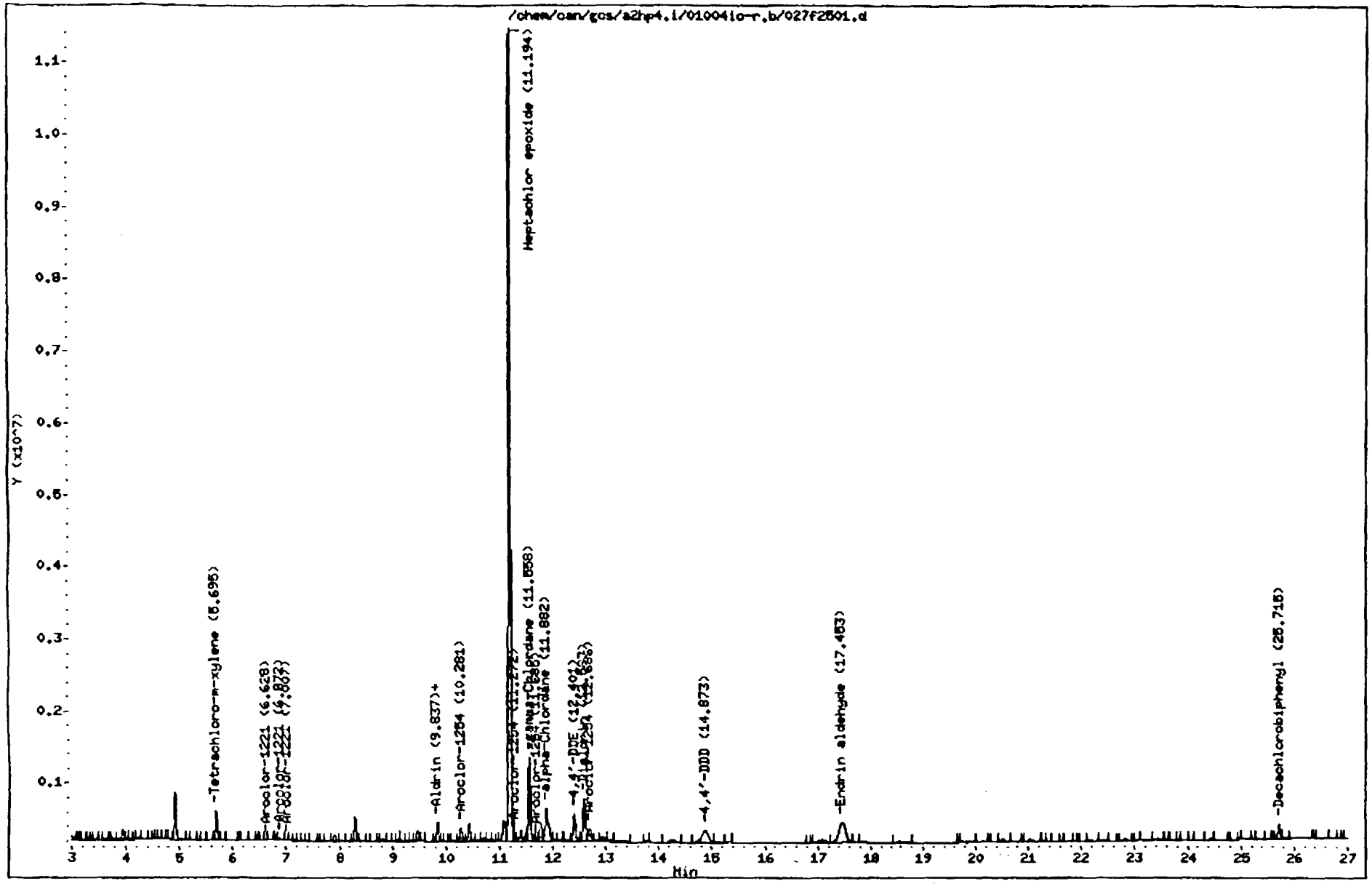
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.080	11.220	-0.140	28860565	0.19542	430	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	3390461	0.02242	49	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	2056433	0.01364	30	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.518	12.658	-0.140	2092255	0.01411	31	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.330	12.470	-0.140	1287850	0.00829	18	80.00- 120.00	100.00(a)
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	1360748	0.01317	29	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.418	17.558	-0.140	2444051	0.02613	57	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	662439	0.00702	15	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp4.i/01004io-r.b/027f2501.d
Date : 04-OCT-2000 04:13
Client ID: SL54-6RE
Sample Info: DJRP0201,5
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL55-6

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP7101

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 008F0801

% Moisture: 14 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

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	39	U
319-85-7	beta-BHC	39	U
319-86-8	delta-BHC	39	U
58-89-9	gamma-BHC(Lindane)	2900	C
76-44-8	Heptachlor	39	U
309-00-2	Aldrin	39	U
1024-57-3	Heptachlor epoxide	39	U
959-98-8	Endosulfan I	39	U
60-57-1	Dieldrin	54	J
72-55-9	4,4'-DDE	77	U
72-20-8	Endrin	77	U
33213-65-9	Endosulfan II	77	U
72-54-8	4,4'-DDD	77	U
1031-07-8	Endosulfan sulfate	77	U
50-29-3	4,4'-DDT	54	J
72-43-5	Methoxychlor	390	U
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	77	U
5103-71-9	alpha-Chlordane	39	U
5103-74-2	gamma-Chlordane	42	
8001-35-2	Toxaphene	3900	U
12674-11-2	Aroclor-1016	770	U
11104-28-2	Aroclor-1221	1500	U
11141-16-5	Aroclor-1232	770	U
53469-21-9	Aroclor-1242	770	U
12672-29-6	Aroclor-1248	770	U
11097-69-1	Aroclor-1254	770	U
11096-82-5	Aroclor-1260	770	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/008f0801.d
Lab Smp Id: DJRP7101 Client Smp ID: SL55-6
Inj Date : 21-SEP-2000 03:33
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP7101,20
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 8
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	20.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weight of sample extracted (g)
M	13.84900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	45741	0.000368	2.8	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	54439076	0.37071	2900	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	506725	0.00420	32	80.00- 120.00	100.00(a)
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	1361488	0.01057	82	80.00- 120.00	100.00

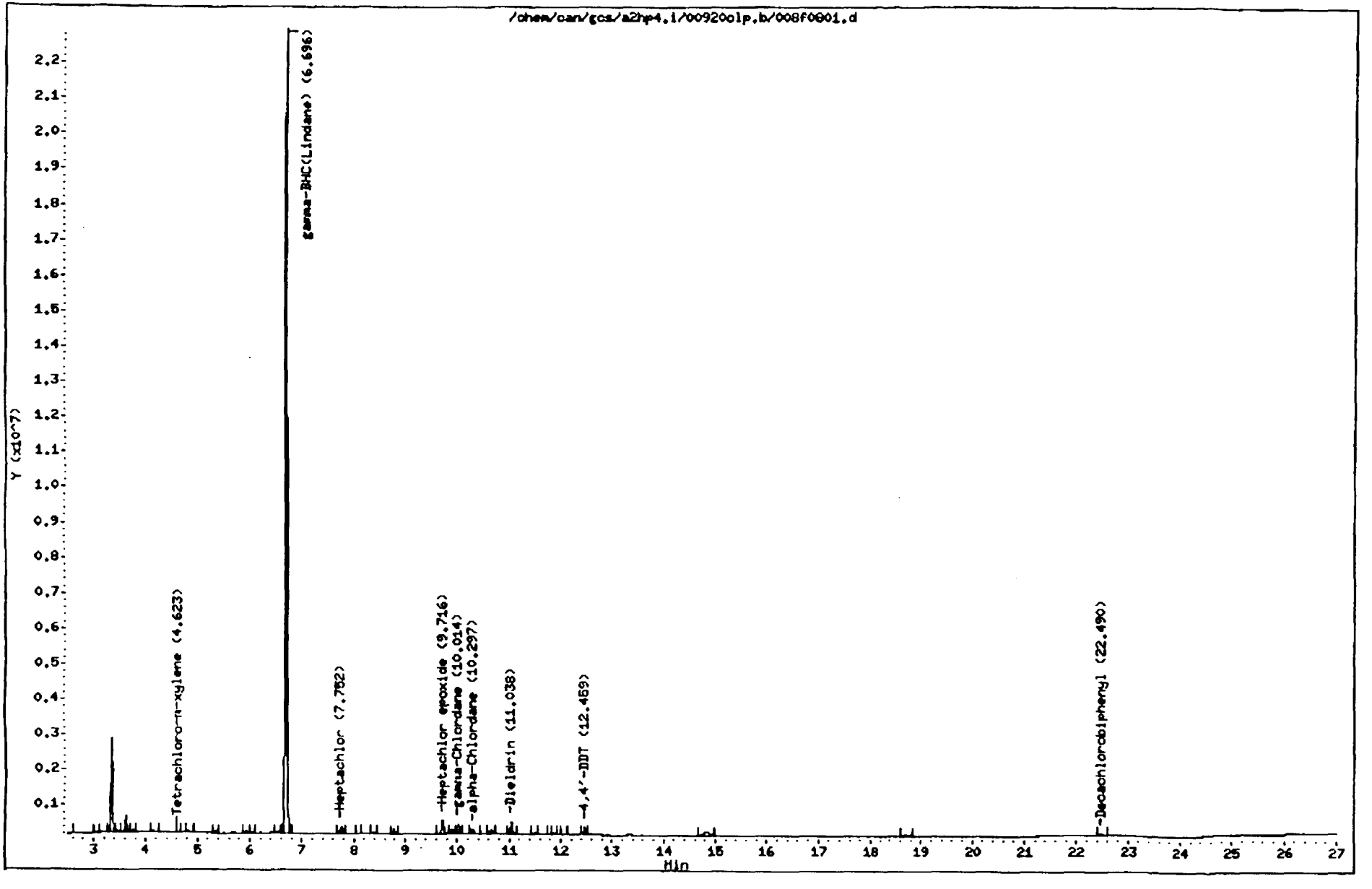
	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
	16 gamma-Chlordane					CAS #: 5103-74-2		
	9.945	10.085	-0.140	749917	0.00544	42	80.00- 120.00	100.00
	17 alpha-Chlordane					CAS #: 5103-71-9		
	10.229	10.369	-0.140	407795	0.00301	23	80.00- 120.00	100.00(a)
	19 Dieldrin					CAS #: 60-57-1		
	10.971	11.111	-0.140	955807	0.00719	56	80.00- 120.00	100.00(a)
	25 4,4'-DDT					CAS #: 50-29-3		
	12.393	12.533	-0.140	677902	0.00703	54	80.00- 120.00	100.00(a)
$	30 Decachlorobiphenyl					CAS #: 2051-24-3		
	22.392	22.592	-0.200	192456	0.00187	14	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp4.i/00920olp.b/008f0801.d
Date : 21-SEP-2000 03:33
Client ID: SL55-6
Sample Info: DJRP7101,20
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/008f0801.d
Lab Smp Id: DJRP7101 Client Smp ID: SL55-6
Inj Date : 21-SEP-2000 03:33
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP7101,20
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 8
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	20.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weigth of sample extracted (g)
M	13.84900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	49958	0.000371	2.9	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	58023694	0.37259	2900	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	808349	0.00564	45	80.00- 120.00	100.00
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	956921	0.00705	54	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	136648	0.00138	11	80.00- 120.00	100.00(a)
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	689801	0.00764	59	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	153575	0.00163	12	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/a2hp4.i/00920olp-r.b/008f0801.d

Page 3

Date : 21-SEP-2000 03:33

Client ID: SL55-6

Instrument: a2hp4.i

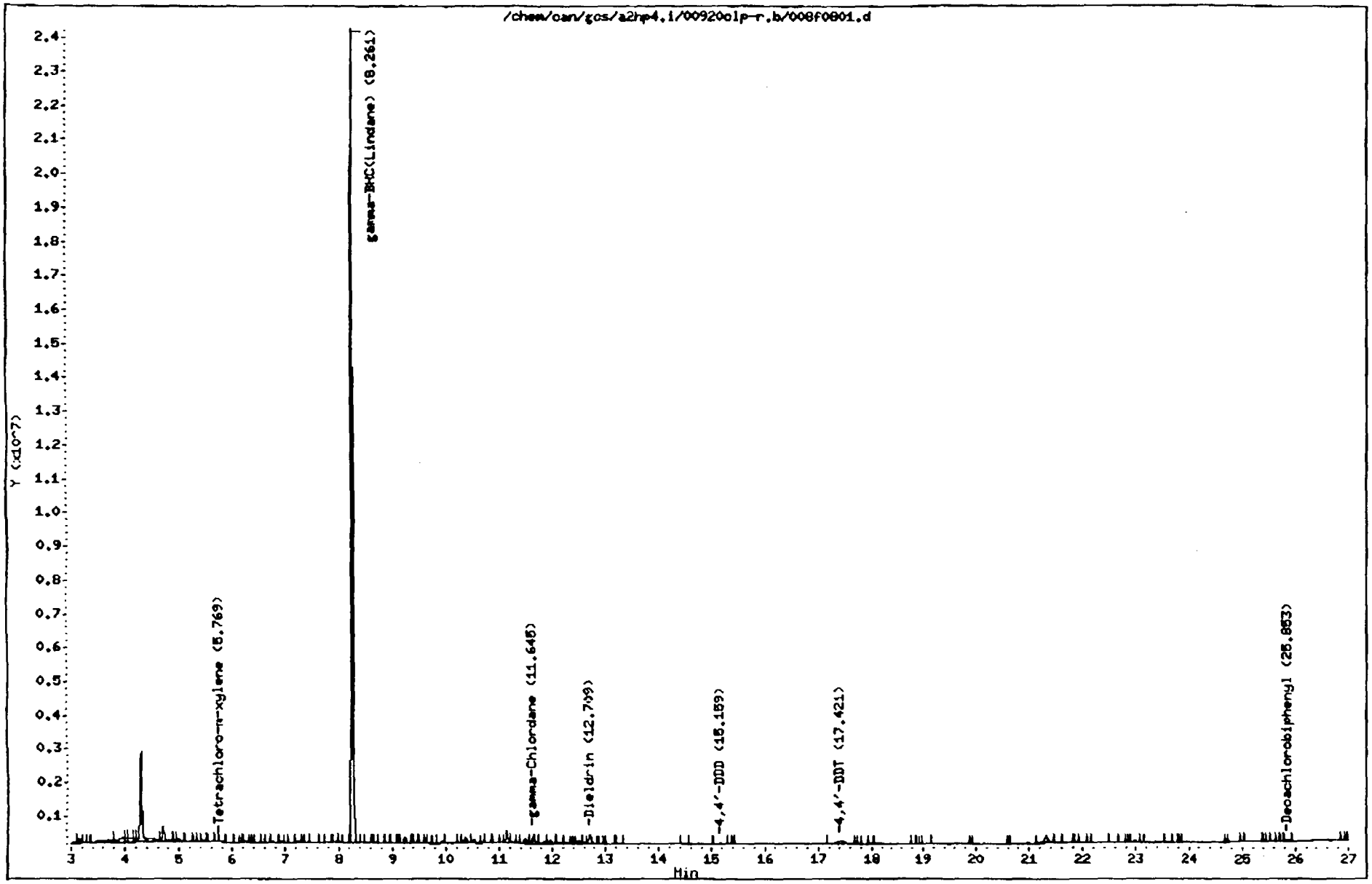
Sample Info: DJRP7101,20

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL55-6DL

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP7301

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 007FC701

% Moisture: 14 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/06/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 200.0

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	390	U
319-85-7	beta-BHC	390	U
319-86-8	delta-BHC	390	U
58-89-9	gamma-BHC(Lindane)	2800	DC
76-44-8	Heptachlor	390	U
309-00-2	Aldrin	390	U
1024-57-3	Heptachlor epoxide	390	U
959-98-8	Endosulfan I	390	U
60-57-1	Dieldrin	770	U
72-55-9	4,4'-DDE	770	U
72-20-8	Endrin	770	U
33213-65-9	Endosulfan II	770	U
72-54-8	4,4'-DDD	770	U
1031-07-8	Endosulfan sulfate	770	U
50-29-3	4,4'-DDT	770	U
72-43-5	Methoxychlor	3900	U
53494-70-5	Endrin ketone	190	U
7421-93-4	Endrin aldehyde	770	U
5103-71-9	alpha-Chlordane	390	U
5103-74-2	gamma-Chlordane	390	U
8001-35-2	Toxaphene	39000	U
12674-11-2	Aroclor-1016	7700	U
11104-28-2	Aroclor-1221	15000	U
11141-16-5	Aroclor-1232	7700	U
53469-21-9	Aroclor-1242	7700	U
12672-29-6	Aroclor-1248	7700	U
11097-69-1	Aroclor-1254	7700	U
11096-82-5	Aroclor-1260	7700	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/007f0701.d
Lab Smp Id: DJRP7101 Client Smp ID: SL55-6DL
Inj Date : 21-SEP-2000 03:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP7101,200
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp.b/clp30a.m
Meth Date : 21-Oct-2000 08:27 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 7
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	200.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weight of sample extracted (g)
M	13.84900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	5424495	0.03690	2800	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/007f0701.d

Page 2

Date : 21-SEP-2000 03:00

Client ID: SL55-6DL

Instrument: a2hp4.i

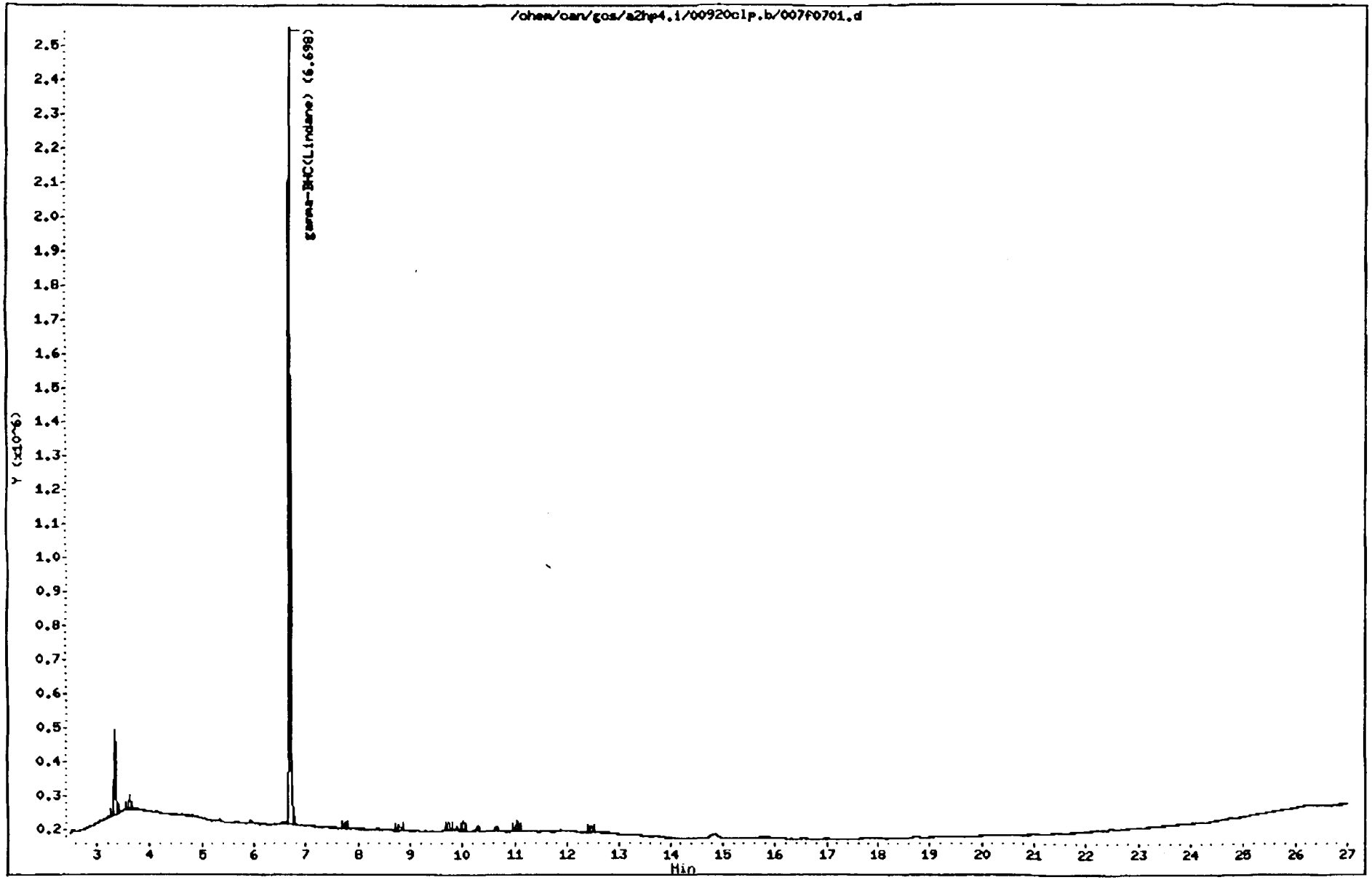
Sample Info: DJRP7101,200

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/007f0701.d
Lab Smp Id: DJRP7101 Client Smp ID: SL55-6DL
Inj Date : 21-SEP-2000 03:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJRP7101,200
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920clp-r.b/clp30b.m
Meth Date : 04-Oct-2000 09:19 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 7
Dil Factor: 200.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	200.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.06000	Weigth of sample extracted (g)
M	13.84900	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	5962	<0.0	3.4	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	5665442	0.03638	2800	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	20431	0.000216	17	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/007f0701.d

Date : 21-SEP-2000 03:00

Client ID: SL55-6DL

Sample Info: DJRP7101,200

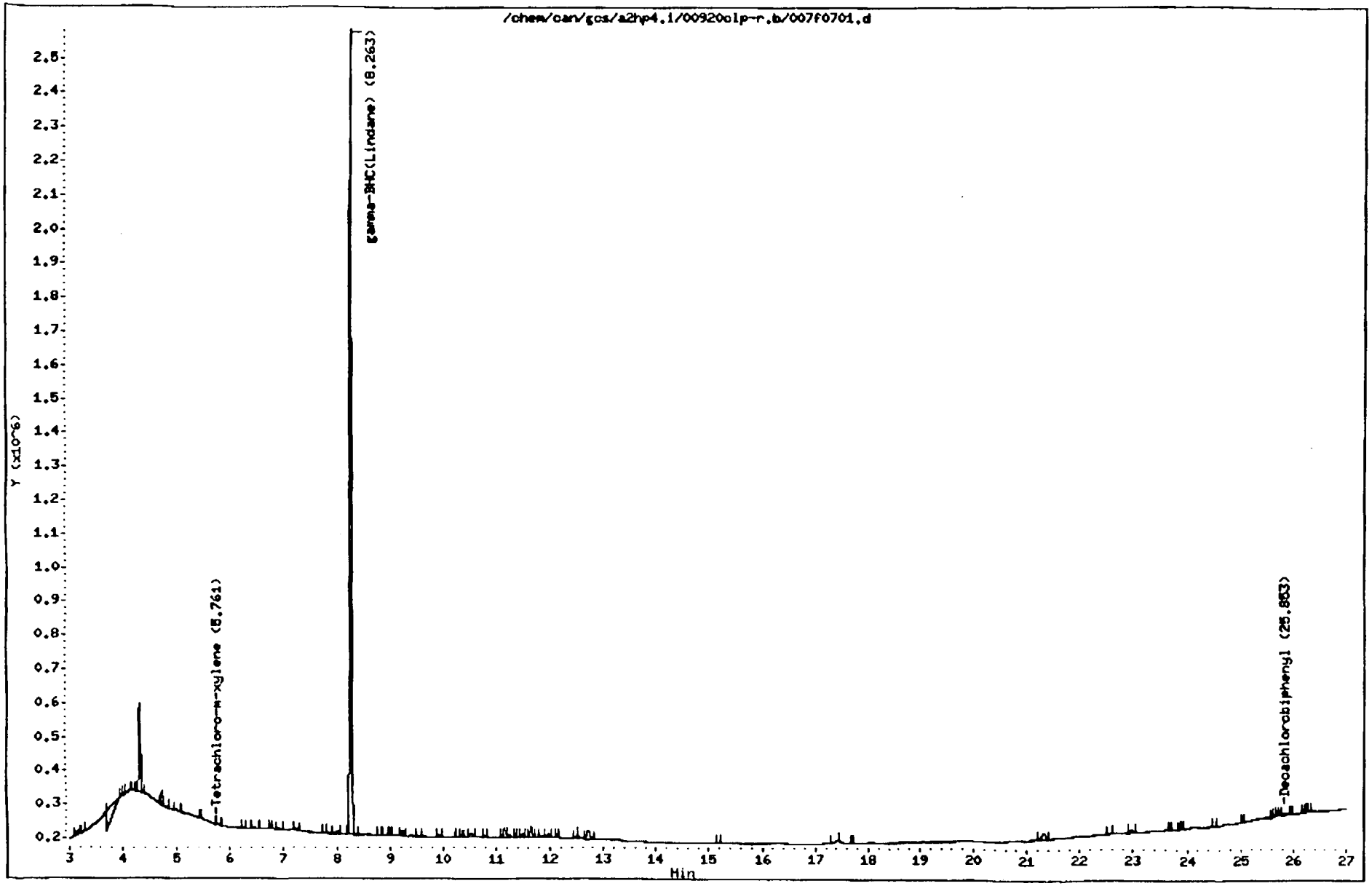
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL55-6RE

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Matrix: (soil/water) SOIL Lab Sample ID: DJRP7201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 008F0801

% Moisture: 14 decanted: (Y/N) N Date Received: 09/01/00

Extraction: (SepF/Cont/Sonc) SW3550 Date Extracted:09/21/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/17/00

Injection Volume: 1.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.6	U
319-85-7	beta-BHC	9.6	U
319-86-8	delta-BHC	9.6	U
58-89-9	gamma-BHC(Lindane)	9.6	U
76-44-8	Heptachlor	9.6	U
309-00-2	Aldrin	9.6	U
1024-57-3	Heptachlor epoxide	9.6	U
959-98-8	Endosulfan I	9.6	U
60-57-1	Dieldrin	54	
72-55-9	4,4'-DDE	12	J
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	J
72-43-5	Methoxychlor	96	U
53494-70-5	Endrin ketone	4.8	U
7421-93-4	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	8.9	JPB
5103-74-2	gamma-Chlordane	20	B
8001-35-2	Toxaphene	960	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	390	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a-r.b/008f0801.d
Lab Smp Id: DJRP7201 Client Smp ID: SL55-6RE
Inj Date : 17-OCT-2000 22:30
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRP7201,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a-r.b/clp30b.m
Meth Date : 24-Oct-2000 01:27 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 8
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weigth of sample extracted (g)
M	13.80000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	906363	0.00611	12	80.00- 120.00	100.00(R)
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.550	10.690	-0.140	1389659	0.00879	17	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
10.953	11.093	-0.140	1631918	0.01018	20	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
11.273	11.413	-0.140	712519	0.00463	8.9	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.911	12.051	-0.140	4506676	0.02784	54	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
11.789	11.929	-0.140	923102	0.00608	12	80.00- 120.00	100.00(a)
21 Endosulfan II					CAS #: 33213-65-9		
12.971	13.111	-0.140	722376	0.00513	9.9	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.975	13.115	-0.140	183546	0.00161	3.1	80.00- 120.00	100.00(a)
26 4,4'-DDT					CAS #: 50-29-3		
13.586	13.726	-0.140	1032463	0.00996	19	80.00- 120.00	100.00(a)
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	899703	0.00835	16	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/oan/gcs/a2hp3.i/01017a-r.b/008f0801.d

Date : 17-OCT-2000 22:30

Client ID: SL55-6RE

Sample Info: DJRP7201,5

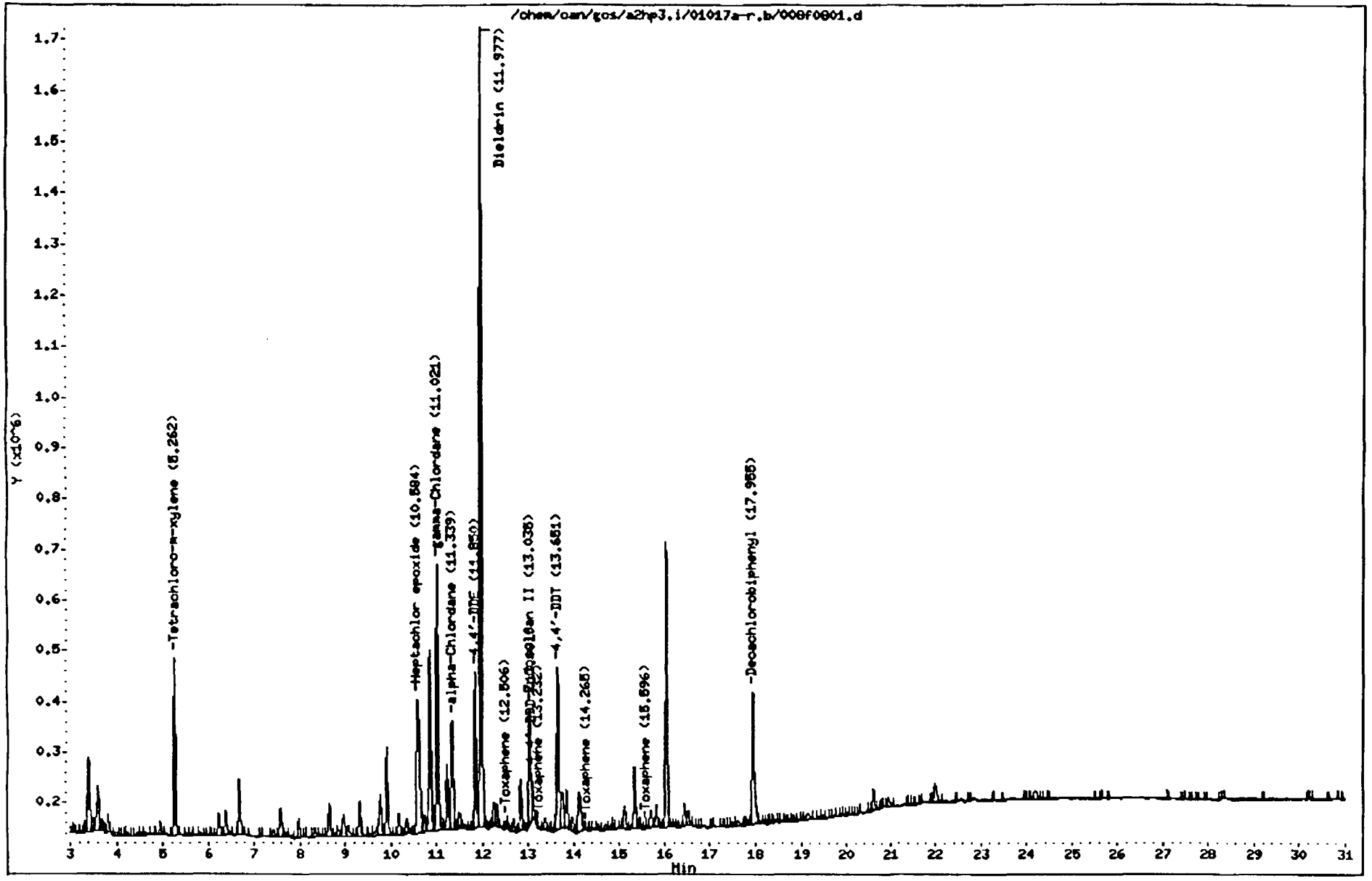
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a.b/008f0801.d
Lab Smp Id: DJRP7201 Client Smp ID: SL55-6RE
Inj Date : 17-OCT-2000 22:30
Operator : 001754 Inst ID: a2hp3.i
Smp Info : DJRP7201,5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01017a.b/clp30a.m
Meth Date : 24-Oct-2000 01:08 kusterr Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 8
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.04000	Weight of sample extracted (g)
M	13.80000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	1239844	0.00683	13	80.00- 120.00	100.00(E)
9 Heptachlor					CAS #: 76-44-8		
7.180	7.280	-0.100	1641138	0.00754	14	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.405	9.545	-0.140	2077845	0.01068	21	80.00- 120.00	100.00
17 alpha-Chlordane					CAS #: 5103-71-9		
9.690	9.830	-0.140	1451577	0.00778	15	80.00- 120.00	100.00

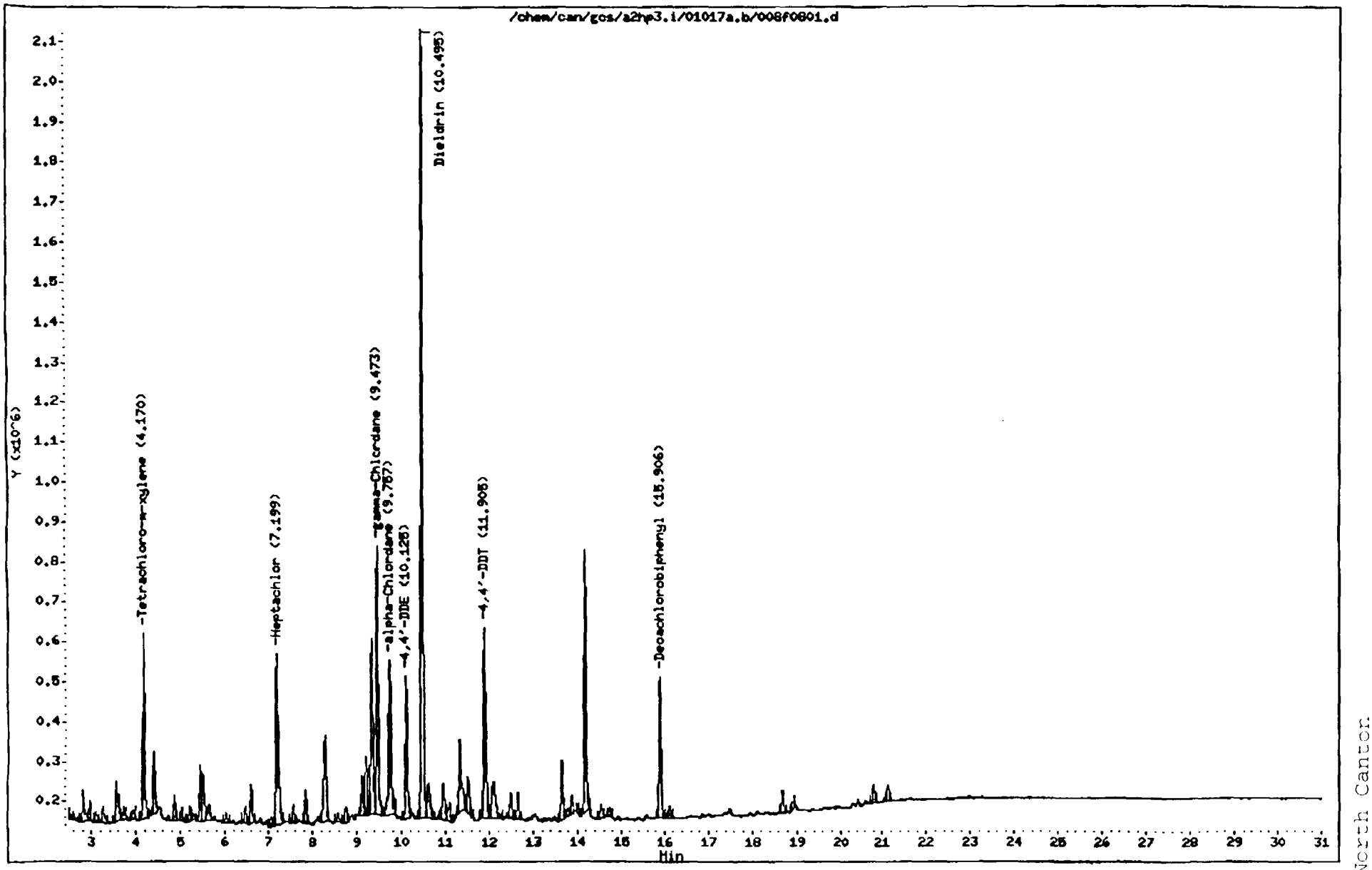
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
18 4,4'-DDE					CAS #: 72-55-9		
10.062	10.202	-0.140	1101118	0.00621	12	80.00- 120.00	100.00(a)
19 Dieldrin					CAS #: 60-57-1		
10.425	10.565	-0.140	5834862	0.02998	58	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.837	11.977	-0.140	1659697	0.01203	23	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	1137831	0.00757	15	80.00- 120.00	100.00(R)

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp3.i/01017a.b/008f0801.d
Date : 17-OCT-2000 22:30
Client ID: SL55-6RE
Sample Info: DJRP7201,5
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A2HP4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 09/20/00 09/20/

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.96	5.96	5.96	5.96	5.91	6.01
beta-BHC	6.97	6.97	6.97	6.97	6.92	7.02
delta-BHC	7.33	7.33	7.33	7.33	7.28	7.38
gamma-BHC(Lindane)	6.70	6.70	6.70	6.70	6.65	6.75
Heptachlor	7.75	7.76	7.75	7.75	7.70	7.80
Aldrin	8.38	8.38	8.38	8.38	8.33	8.43
Heptachlor epoxide	9.74	9.74	9.74	9.74	9.67	9.81
Endosulfan I	10.53	10.53	10.53	10.53	10.46	10.60
Dieldrin	11.04	11.04	11.04	11.04	10.97	11.11
4,4'-DDE	10.65	10.64	10.65	10.65	10.58	10.72
Endrin	11.48	11.48	11.48	11.48	11.41	11.55
Endosulfan II	11.95	11.95	11.95	11.95	11.88	12.02
4,4'-DDD	11.87	11.87	11.87	11.87	11.80	11.94
Endosulfan sulfate	15.26	15.26	15.26	15.26	15.19	15.33
4,4'-DDT	12.46	12.46	12.46	12.46	12.39	12.53
Methoxychlor	14.84	14.83	14.83	14.83	14.76	14.90
Endrin ketone	17.00	17.00	17.00	17.00	16.93	17.07
Endrin aldehyde	13.03	13.03	13.03	13.03	12.96	13.10
alpha-Chlordane	10.30	10.30	10.30	10.30	10.23	10.37
gamma-Chlordane	10.01	10.02	10.01	10.01	9.94	10.08
Tetrachloro-m-xylene	4.62	4.62	4.62	4.62	4.57	4.67
Decachlorobiphenyl	22.49	22.49	22.49	22.49	22.39	22.59

* 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: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A2HP4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 09/20/00 09/2

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	7.39	7.39	7.39	7.39	7.34	7.44
beta-BHC	8.53	8.54	8.53	8.53	8.48	8.58
delta-BHC	9.19	9.19	9.19	9.19	9.14	9.24
gamma-BHC(Lindane)	8.26	8.26	8.26	8.26	8.21	8.31
Heptachlor	9.24	9.24	9.24	9.24	9.19	9.29
Aldrin	9.92	9.92	9.92	9.92	9.87	9.97
Heptachlor epoxide	11.24	11.24	11.24	11.24	11.17	11.31
Endosulfan I	12.04	12.04	12.04	12.04	11.97	12.11
Dieldrin	12.71	12.71	12.71	12.71	12.64	12.78
4,4'-DDE	12.51	12.51	12.51	12.51	12.44	12.58
Endrin	13.81	13.81	13.81	13.81	13.74	13.88
Endosulfan II	15.23	15.23	15.23	15.23	15.16	15.30
4,4'-DDD	15.17	15.17	15.17	15.17	15.10	15.24
Endosulfan sulfate	19.45	19.44	19.44	19.44	19.37	19.51
4,4'-DDT	17.42	17.42	17.42	17.42	17.35	17.49
Methoxychlor	21.32	21.32	21.32	21.32	21.25	21.39
Endrin ketone	21.69	21.69	21.69	21.69	21.62	21.76
Endrin aldehyde	17.81	17.81	17.81	17.81	17.74	17.88
alpha-Chlordane	11.97	11.97	11.97	11.97	11.90	12.04
gamma-Chlordane	11.65	11.65	11.65	11.65	11.58	11.72
Tetrachloro-m-xylene	5.77	5.77	5.77	5.77	5.72	5.82
Decachlorobiphenyl	25.85	25.85	25.85	25.85	25.75	25.95

* 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.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A2HP4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 10/03/00 10/03/

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.89	5.89	5.89	5.89	5.84	5.94
beta-BHC	6.91	6.91	6.91	6.91	6.86	6.96
delta-BHC	7.26	7.26	7.26	7.26	7.21	7.31
gamma-BHC(Lindane)	6.63	6.63	6.63	6.63	6.58	6.68
Heptachlor	7.68	7.68	7.68	7.68	7.63	7.73
Aldrin	8.31	8.31	8.31	8.31	8.26	8.36
Heptachlor epoxide	9.67	9.67	9.67	9.67	9.60	9.74
Endosulfan I	10.45	10.45	10.45	10.45	10.38	10.52
Dieldrin	10.97	10.96	10.97	10.97	10.90	11.04
4,4'-DDE	10.58	10.57	10.57	10.57	10.50	10.64
Endrin	11.40	11.40	11.40	11.40	11.33	11.47
Endosulfan II	11.88	11.88	11.88	11.88	11.81	11.95
4,4'-DDD	11.80	11.80	11.80	11.80	11.73	11.87
Endosulfan sulfate	15.01	15.01	15.00	15.01	14.94	15.08
4,4'-DDT	12.38	12.38	12.38	12.38	12.31	12.45
Methoxychlor	14.60	14.60	14.60	14.60	14.53	14.67
Endrin ketone	16.72	16.71	16.71	16.71	16.64	16.78
Endrin aldehyde	12.91	12.91	12.91	12.91	12.84	12.98
alpha-Chlordane	10.23	10.23	10.23	10.23	10.16	10.30
gamma-Chlordane	9.94	9.94	9.94	9.94	9.87	10.01
Tetrachloro-m-xylene	4.56	4.56	4.56	4.56	4.51	4.61
Decachlorobiphenyl	22.35	22.35	22.35	22.35	22.25	22.45

* 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.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A2HP4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLP2 PESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 10/03/00 10/0

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	7.31	7.31	7.31	7.31	7.26	7.36
beta-BHC	8.45	8.45	8.45	8.45	8.40	8.50
delta-BHC	9.11	9.11	9.11	9.11	9.06	9.16
gamma-BHC(Lindane)	8.18	8.18	8.18	8.18	8.13	8.23
Heptachlor	9.15	9.15	9.15	9.15	9.10	9.20
Aldrin	9.84	9.84	9.84	9.84	9.79	9.89
Heptachlor epoxide	11.15	11.15	11.15	11.15	11.08	11.22
Endosulfan I	11.94	11.94	11.95	11.94	11.87	12.01
Dieldrin	12.59	12.59	12.59	12.59	12.52	12.66
4,4'-DDE	12.40	12.40	12.40	12.40	12.33	12.47
Endrin	13.59	13.59	13.59	13.59	13.52	13.66
Endosulfan II	14.93	14.92	14.92	14.92	14.85	14.99
4,4'-DDD	14.87	14.87	14.87	14.87	14.80	14.94
Endosulfan sulfate	19.20	19.20	19.20	19.20	19.13	19.27
4,4'-DDT	17.07	17.08	17.08	17.08	17.01	17.15
Methoxychlor	21.13	21.13	21.14	21.14	21.07	21.21
Endrin ketone	21.50	21.50	21.50	21.50	21.43	21.57
Endrin aldehyde	17.48	17.49	17.49	17.49	17.42	17.56
alpha-Chlordane	11.88	11.88	11.88	11.88	11.81	11.95
gamma-Chlordane	11.56	11.56	11.56	11.56	11.49	11.63
Tetrachloro-m-xylene	5.70	5.69	5.69	5.69	5.64	5.74
Decachlorobiphenyl	25.71	25.71	25.71	25.71	25.61	25.81

* 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.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

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: 10/12/00 10/13/

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.47	5.47	5.47	5.47	5.42	5.52
beta-BHC	6.47	6.47	6.47	6.47	6.42	6.52
delta-BHC	6.82	6.82	6.82	6.82	6.77	6.87
gamma-BHC(Lindane)	6.20	6.20	6.19	6.20	6.15	6.25
Heptachlor	7.23	7.23	7.23	7.23	7.18	7.28
Aldrin	7.85	7.84	7.85	7.85	7.80	7.90
Heptachlor epoxide	9.21	9.21	9.21	9.21	9.14	9.28
Endosulfan I	9.99	9.98	9.98	9.98	9.91	10.05
Dieldrin	10.50	10.50	10.50	10.50	10.43	10.57
4,4'-DDE	10.13	10.13	10.13	10.13	10.06	10.20
Endrin	10.93	10.93	10.93	10.93	10.86	11.00
Endosulfan II	11.41	11.40	11.40	11.40	11.33	11.47
4,4'-DDD	11.35	11.35	11.35	11.35	11.28	11.42
Endosulfan sulfate	13.17	13.16	13.16	13.16	13.09	13.23
4,4'-DDT	11.91	11.90	11.90	11.90	11.83	11.97
Methoxychlor	13.05	13.05	13.05	13.05	12.98	13.12
Endrin ketone	13.66	13.66	13.66	13.66	13.59	13.73
Endrin aldehyde	12.29	12.29	12.29	12.29	12.22	12.36
alpha-Chlordane	9.76	9.76	9.76	9.76	9.69	9.83
gamma-Chlordane	9.48	9.48	9.48	9.48	9.41	9.55
Tetrachloro-m-xylene	4.17	4.17	4.17	4.17	4.12	4.22
Decachlorobiphenyl	15.91	15.91	15.91	15.91	15.81	16.01

* 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.

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6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

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: 10/10/00 10/1

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	6.85	6.85	6.85	6.85	6.80	6.90
beta-BHC	7.98	7.98	7.98	7.98	7.93	8.03
delta-BHC	8.62	8.62	8.62	8.62	8.57	8.67
gamma-BHC(Lindane)	7.70	7.70	7.70	7.70	7.65	7.75
Heptachlor	8.65	8.65	8.65	8.65	8.60	8.70
Aldrin	9.32	9.32	9.32	9.32	9.27	9.37
Heptachlor epoxide	10.63	10.63	10.63	10.63	10.56	10.70
Endosulfan I	11.41	11.41	11.41	11.41	11.34	11.48
Dieldrin	11.99	11.99	11.99	11.99	11.92	12.06
4,4'-DDE	11.86	11.86	11.86	11.86	11.79	11.93
Endrin	12.59	12.59	12.59	12.59	12.52	12.66
Endosulfan II	13.05	13.05	13.05	13.05	12.98	13.12
4,4'-DDD	13.05	13.05	13.05	13.05	12.98	13.12
Endosulfan sulfate	14.33	14.33	14.33	14.33	14.26	14.40
4,4'-DDT	13.66	13.66	13.66	13.66	13.59	13.73
Methoxychlor	15.16	15.16	15.16	15.16	15.09	15.23
Endrin ketone	15.34	15.34	15.34	15.34	15.27	15.41
Endrin aldehyde	13.77	13.77	13.77	13.77	13.70	13.84
alpha-Chlordane	11.35	11.35	11.35	11.35	11.28	11.42
gamma-Chlordane	11.03	11.03	11.03	11.03	10.96	11.10
Tetrachloro-m-xylene	5.27	5.27	5.27	5.27	5.22	5.32
Decachlorobiphenyl	17.97	17.97	17.97	17.97	17.87	18.07

* 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.

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6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

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: 10/16/00 10/17/

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.47	5.47	5.47	5.47	5.42	5.52
beta-BHC	6.47	6.47	6.47	6.47	6.42	6.52
delta-BHC	6.82	6.82	6.82	6.82	6.77	6.87
gamma-BHC(Lindane)	6.19	6.19	6.19	6.19	6.14	6.24
Heptachlor	7.23	7.23	7.23	7.23	7.18	7.28
Aldrin	7.84	7.84	7.84	7.84	7.79	7.89
Heptachlor epoxide	9.21	9.21	9.21	9.21	9.14	9.28
Endosulfan I	9.98	9.98	9.98	9.98	9.91	10.05
Dieldrin	10.50	10.49	10.50	10.50	10.43	10.57
4,4'-DDE	10.13	10.13	10.13	10.13	10.06	10.20
Endrin	10.93	10.93	10.93	10.93	10.86	11.00
Endosulfan II	11.41	11.40	11.40	11.40	11.33	11.47
4,4'-DDD	11.36	11.36	11.35	11.36	11.29	11.43
Endosulfan sulfate	13.16	13.16	13.16	13.16	13.09	13.23
4,4'-DDT	11.91	11.91	11.90	11.91	11.84	11.98
Methoxychlor	13.06	13.06	13.05	13.06	12.99	13.13
Endrin ketone	13.66	13.66	13.66	13.66	13.59	13.73
Endrin aldehyde	12.30	12.29	12.29	12.29	12.22	12.36
alpha-Chlordane	9.76	9.76	9.76	9.76	9.69	9.83
gamma-Chlordane	9.48	9.47	9.48	9.48	9.41	9.55
Tetrachloro-m-xylene	4.17	4.17	4.17	4.17	4.12	4.22
Decachlorobiphenyl	15.91	15.91	15.91	15.91	15.81	16.01

* 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.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

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: 10/16/00 10/1

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	6.85	6.85	6.85	6.85	6.80	6.90
beta-BHC	7.98	7.98	7.98	7.98	7.93	8.03
delta-BHC	8.62	8.62	8.62	8.62	8.57	8.67
gamma-BHC(Lindane)	7.70	7.70	7.70	7.70	7.65	7.75
Heptachlor	8.65	8.64	8.65	8.65	8.60	8.70
Aldrin	9.32	9.32	9.32	9.32	9.27	9.37
Heptachlor epoxide	10.62	10.62	10.62	10.62	10.55	10.69
Endosulfan I	11.40	11.40	11.40	11.40	11.33	11.47
Dieldrin	11.98	11.98	11.98	11.98	11.91	12.05
4,4'-DDE	11.86	11.86	11.86	11.86	11.79	11.93
Endrin	12.58	12.58	12.58	12.58	12.51	12.65
Endosulfan II	13.04	13.04	13.04	13.04	12.97	13.11
4,4'-DDD	13.05	13.05	13.04	13.05	12.98	13.12
Endosulfan sulfate	14.33	14.33	14.33	14.33	14.26	14.40
4,4'-DDT	13.66	13.66	13.65	13.66	13.59	13.73
Methoxychlor	15.16	15.16	15.15	15.16	15.09	15.23
Endrin ketone	15.34	15.34	15.33	15.34	15.27	15.41
Endrin aldehyde	13.77	13.77	13.77	13.77	13.70	13.84
alpha-Chlordane	11.34	11.34	11.34	11.34	11.27	11.41
gamma-Chlordane	11.02	11.02	11.02	11.02	10.95	11.09
Tetrachloro-m-xylene	5.27	5.26	5.27	5.27	5.22	5.32
Decachlorobiphenyl	17.96	17.96	17.96	17.96	17.86	18.06

* 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.

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6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A2HP4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-CLPPESTICIDES ID: 0.53 (mm) Date(s) Analyzed: 09/20/00 09/20/

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	162031400	178232600	197906875	179390291.7	10.0
beta-BHC	61118000	63685450	57571588	60791679.3	5.0
delta-BHC	129981400	158200600	152698225	146960075.0	10.2
gamma-BHC(Lindane)	141417600	147012500	162127838	150185979.3	7.1
Heptachlor	128601800	120609450	126326675	125179308.3	3.3
Aldrin	136364400	151012750	145577750	144318300.0	5.1
Heptachlor epoxide	117045000	128803400	117814925	121221108.3	5.4
Endosulfan I	112181000	118030000	120910975	117040658.3	3.8
Dieldrin	124998200	132895300	138242731	132045410.3	5.0
4,4'-DDE	121402800	140076875	128216156	129898610.3	7.3
Endrin	97520600	100540000	104443175	100834591.7	3.4
Endosulfan II	102293600	115473650	97884644	105217298.0	8.7
4,4'-DDD	93874100	101630250	107325850	100943400.0	6.7
Endosulfan sulfate	93221500	107205225	92563456	97663393.7	8.5
4,4'-DDT	94989900	96429075	103692850	98370608.3	4.7
Methoxychlor	51820420	48335120	46364628	48840056.0	5.6
Endrin ketone	102751900	120364075	103542456	108886143.7	9.1
Endrin aldehyde	75901200	86134575	71243731	77759835.3	9.8
alpha-Chlordane	126445200	135419100	126180100	129348133.3	4.1
gamma-Chlordane	124674600	137952650	129675025	130767425.0	5.1
Tetrachloro-m-xylene	120180000	124423250	114590575	119731275.0	4.1
Decachlorobiphenyl	101206000	102825475	87641469	97224314.7	8.6

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