43000

Data File: /chem/can/gcs/a2hp3.i/010131o.b/012f1201.d

Date : 12-OCT-2000 21:23

Client ID: TOXAH1

Sample Info: TOXAH1

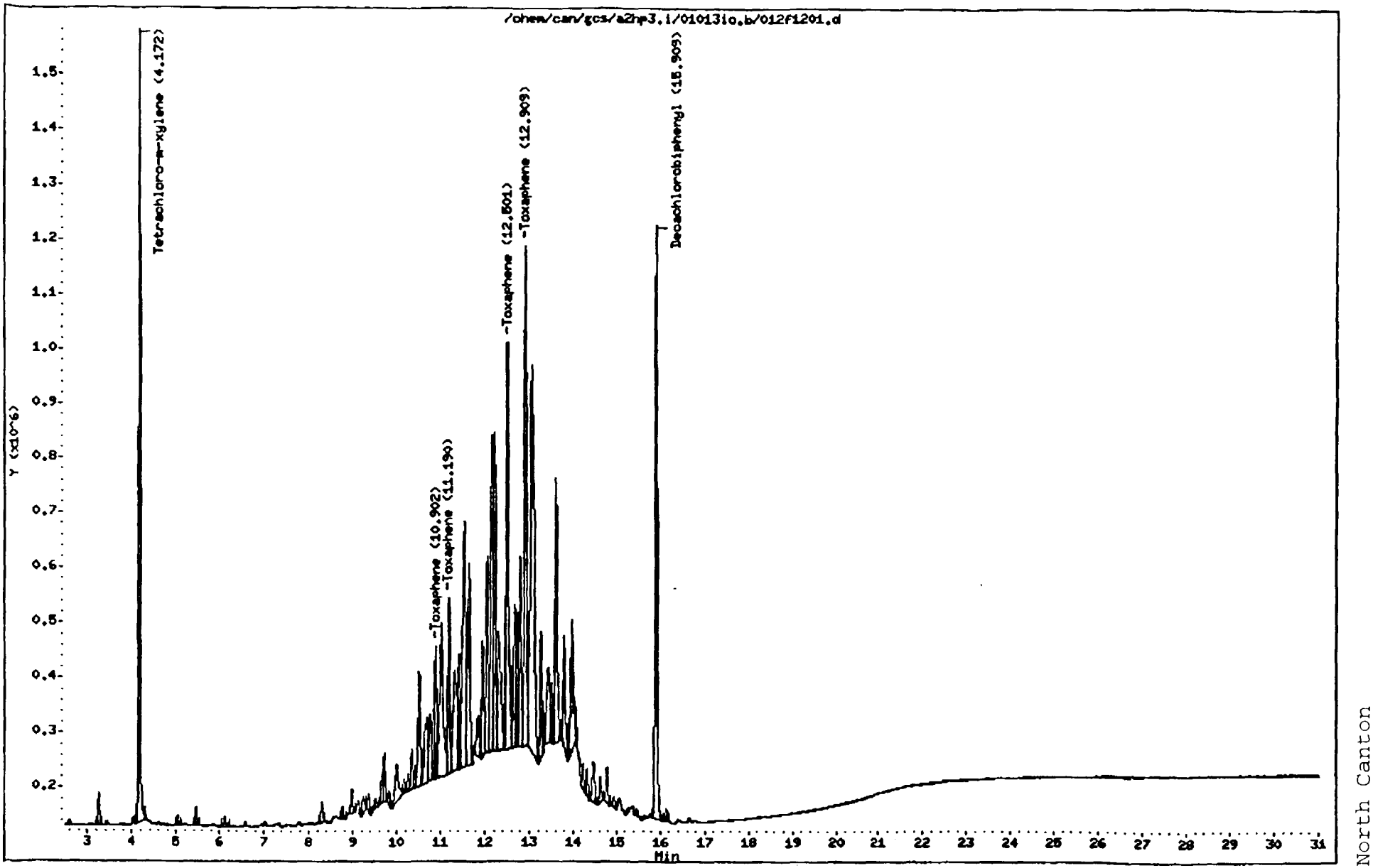
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1450

STL North Canton

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/006f0601.d
Lab Smp Id: C576 Client Smp ID: AR16601
Inj Date : 12-OCT-2000 17:39
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR16601
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 6-AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

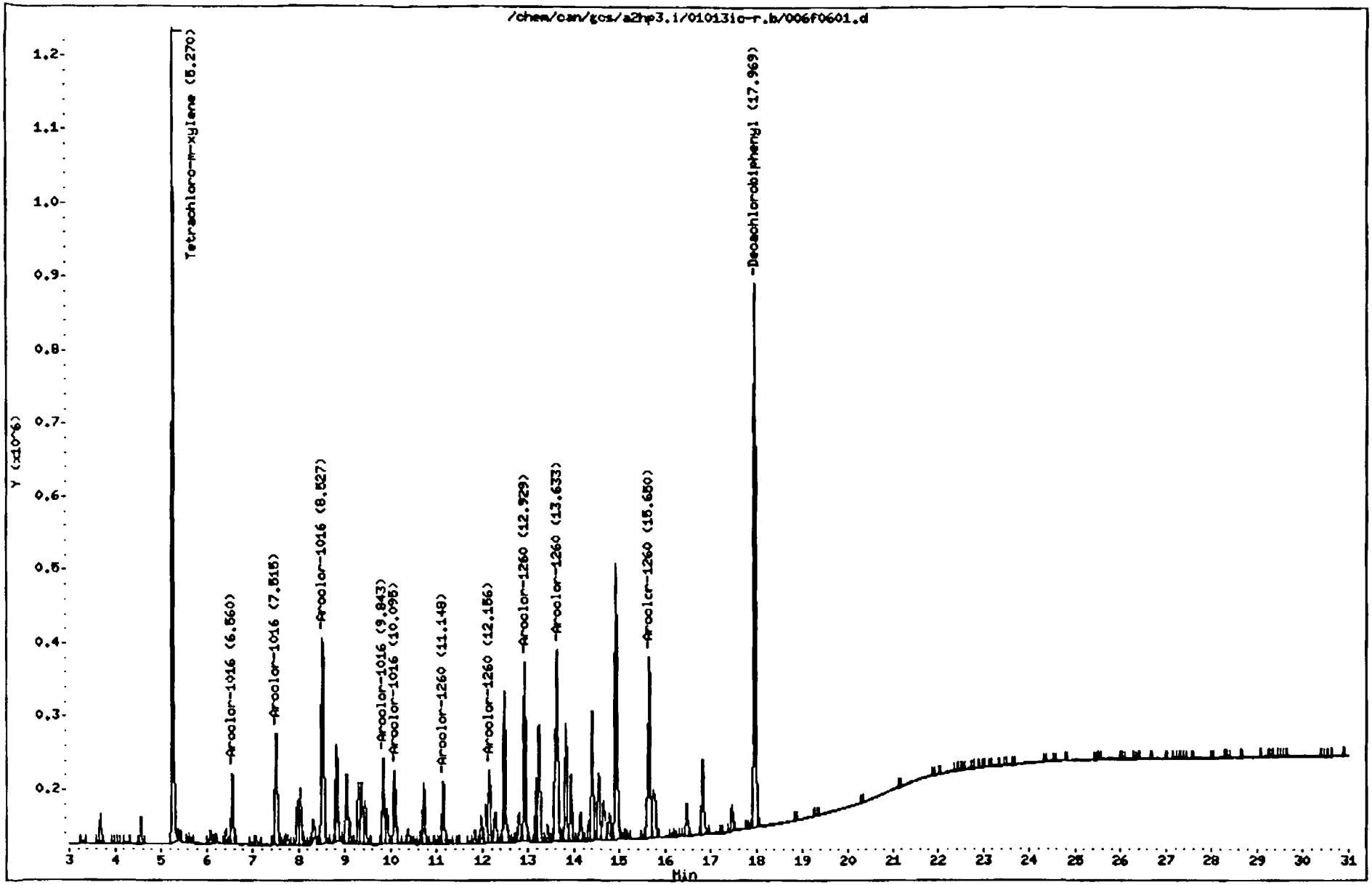
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.490	6.630	-0.140	282398	0.10000	0.10	80.00- 120.00	100.00
7.444	7.584	-0.140	547112	0.10000	0.10	173.74- 213.74	193.74
8.457	8.597	-0.140	1064253	0.10000	0.10	356.86- 396.86	376.86
9.773	9.913	-0.140	353587	0.10000	0.10	105.21- 145.21	125.21
10.026	10.166	-0.140	368915	0.10000	0.10	110.64- 150.64	130.64
Average of Peak Amounts =					0.1		
22 Aroclor-1260					CAS #: 11096-82-5		
11.078	11.218	-0.140	272033	0.10000	0.10	80.00- 120.00	100.00
12.087	12.227	-0.140	295498	0.10000	0.10	88.63- 128.63	108.63
12.859	12.999	-0.140	744204	0.10000	0.10	253.57- 293.57	273.57
13.563	13.703	-0.140	1123125	0.10000	0.10	392.86- 432.86	412.86

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
22 Aroclor-1260 (continued)							
15.580	15.720	-0.140	898398	0.10000	0.10	310.25- 350.25	330.25
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2842955	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2285220	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/006f0601.d
Date : 12-OCT-2000 17:39
Client ID: AR16601
Sample Info: AR16601
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/01013ic-r.b/007f0701.d
Lab Smp Id: C515 Client Smp ID: AR12211
Inj Date : 12-OCT-2000 18:17
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12211
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1221.sub
Target Version: 3.50 Sample Matrix: WATER

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

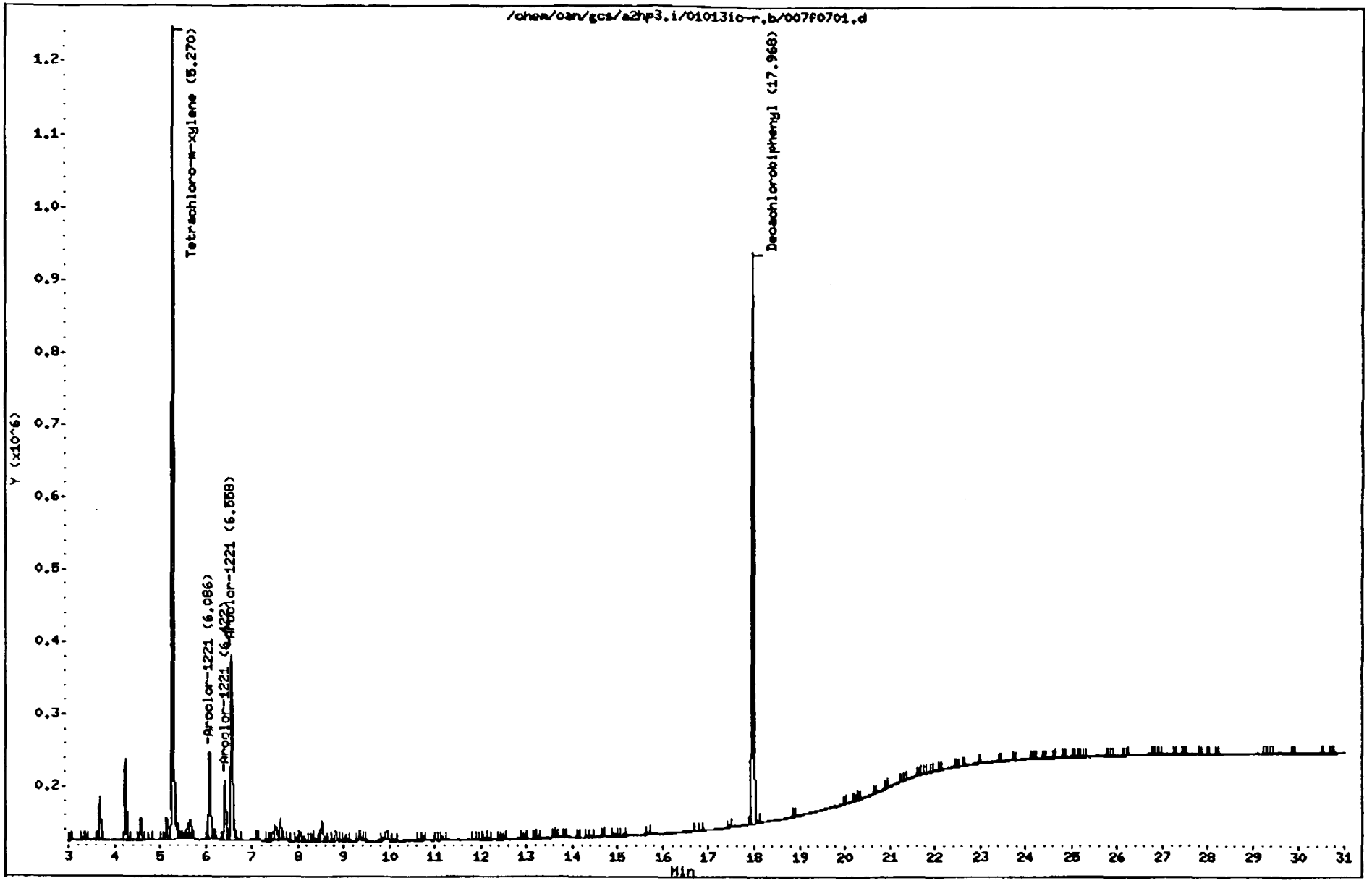
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
6.817	6.157	-0.140	334260	0.20000	0.20	80.00- 120.00	100.00
6.352	6.492	-0.140	227574	0.20000	0.20	48.08- 88.08	68.08
6.488	6.628	-0.140	816755	0.20000	0.20	224.35- 264.35	244.35
Average of Peak Amounts =					0.2		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2904555	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2443832	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/007f0701.d
Date : 12-OCT-2000 18:17
Client ID: AR12211
Sample Info: AR12211
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/01013ic-r.b/008f0801.d
Lab Smp Id: C520 Client Smp ID: AR12321
Inj Date : 12-OCT-2000 18:54
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12321
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1232.sub
Target Version: 3.50 Sample Matrix: WATER

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

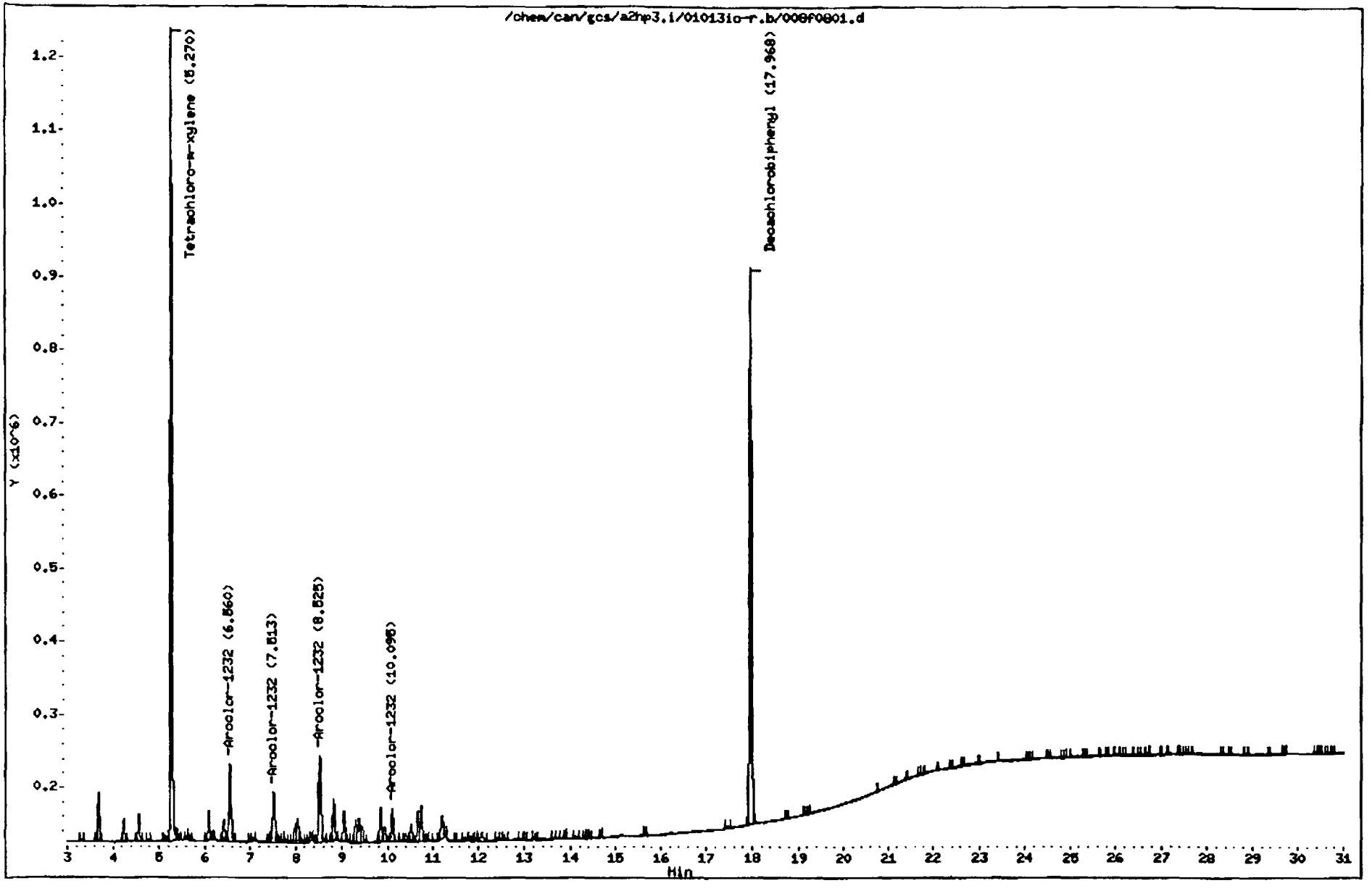
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1232					CAS #: 11141-16-5		
6.490	6.630	-0.140	328033	0.10000	0.10	80.00- 120.00	100.00
7.443	7.583	-0.140	250381	0.10000	0.10	56.33- 96.33	76.33
8.456	8.596	-0.140	454886	0.10000	0.10	118.67- 158.67	138.67
10.024	10.164	-0.140	154389	0.10000	0.10	27.07- 67.07	47.07
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2872918	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2336744	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131o-r.b/008f0801.d
Date : 12-OCT-2000 18:54
Client ID: AR12321
Sample Info: AR12321
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/01013ic-r.b/009f0901.d
Lab Smp Id: C521 Client Smp ID: AR12421
Inj Date : 12-OCT-2000 19:31
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12421
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1242.sub
Target Version: 3.50 Sample Matrix: WATER

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

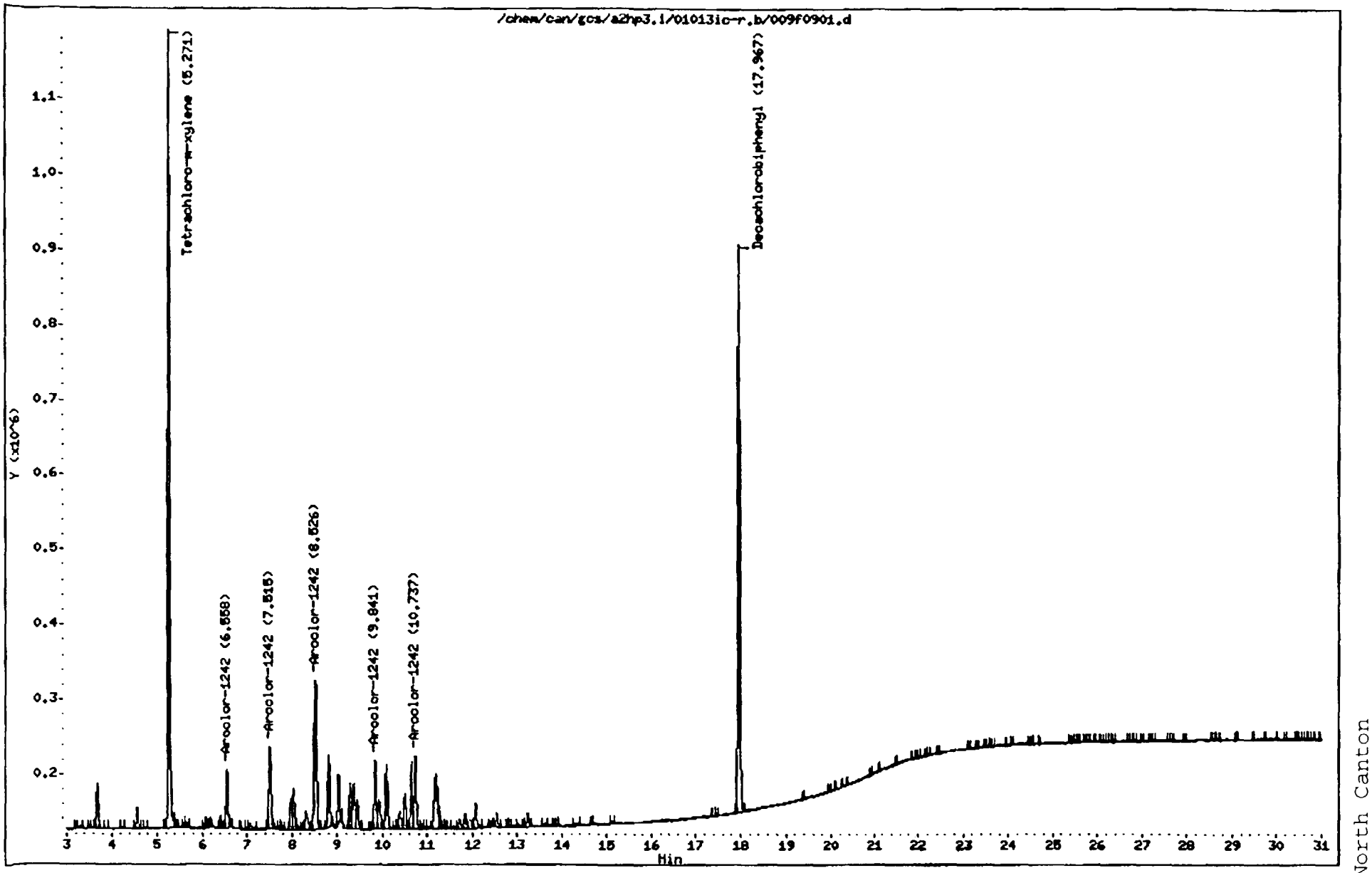
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ Aroclor-1242					CAS #: 53469-21-9		
6.488	6.628	-0.140	234341	0.10000	0.10	80.00- 120.00	100.00
7.444	7.584	-0.140	385960	0.10000	0.10	144.70- 184.70	164.70
8.456	8.596	-0.140	754937	0.10000	0.10	302.15- 342.15	322.15
9.771	9.911	-0.140	270428	0.10000	0.10	95.40- 135.40	115.40
10.667	10.807	-0.140	312512	0.10000	0.10	113.36- 153.36	133.36
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2743233	0.00500	0.019	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2320589	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/009f0901.d
Date : 12-OCT-2000 19:31
Client ID: AR12421
Sample Info: AR12421
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/01013ic-r.b/010f1001.d
Lab Smp Id: C522 Client Smp ID: AR12481
Inj Date : 12-OCT-2000 20:08
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12481
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-AR1248.sub
Target Version: 3.50 Sample Matrix: WATER

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

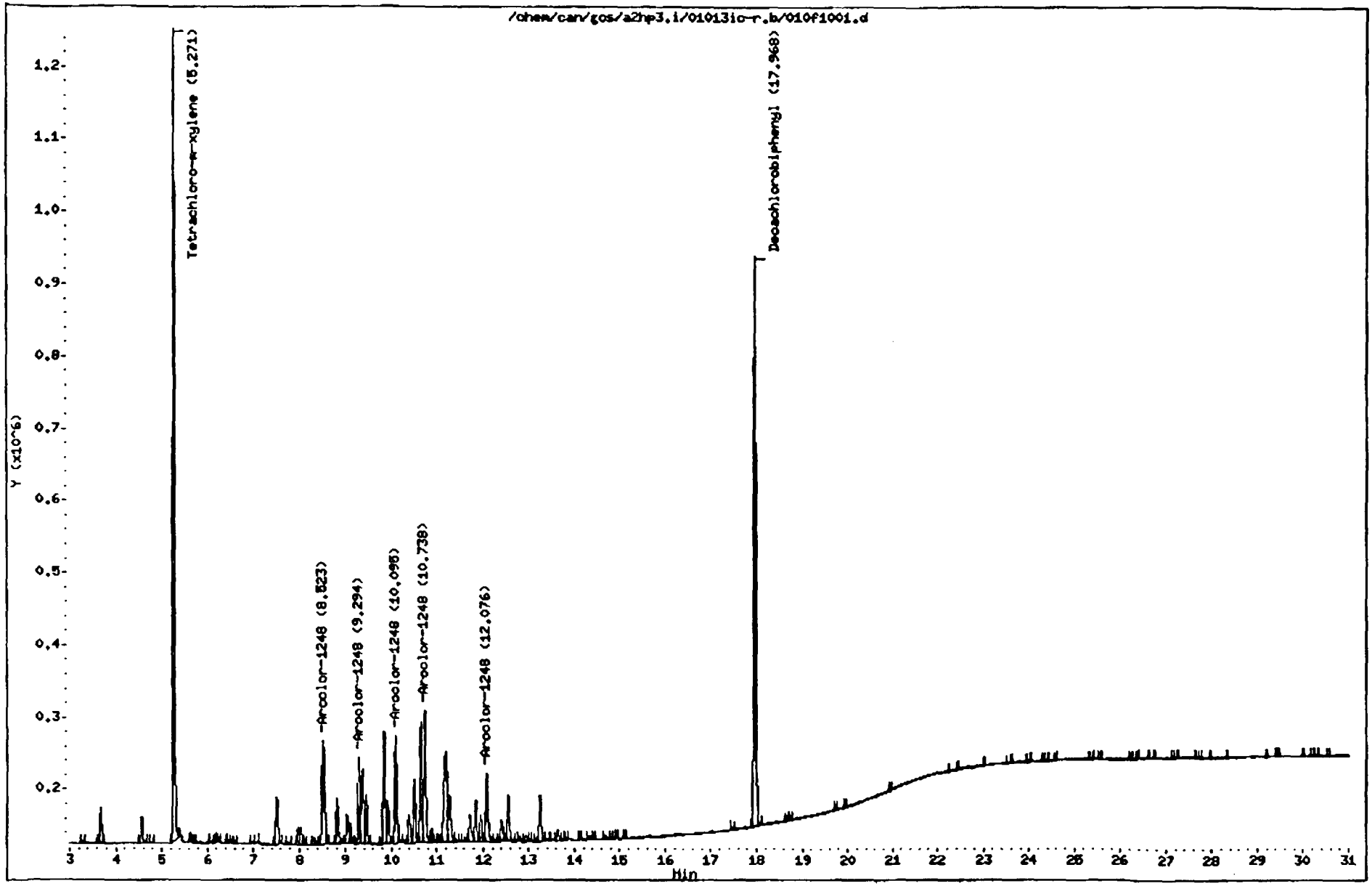
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
10 Aroclor-1248					CAS #: 12672-29-6		
8.452	8.592	-0.140	540945	0.10000	0.10	80.00- 120.00	100.00
9.224	9.364	-0.140	359121	0.10000	0.10	46.39- 86.39	66.39
10.025	10.165	-0.140	514270	0.10000	0.10	75.07- 115.07	95.07
10.668	10.808	-0.140	586114	0.10000	0.10	88.35- 128.35	108.35
12.006	12.146	-0.140	309498	0.10000	0.10	37.21- 77.21	57.21
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2856391	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2615171	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131c-r.b/010f1001.d
Date : 12-OCT-2000 20:08
Client ID: AR12481
Sample Info: AR12481
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/01013ic-r.b/011f1101.d
Lab Smp Id: C523 Client Smp ID: AR12541
Inj Date : 12-OCT-2000 20:46
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12541
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-AR1254.sub
Target Version: 3.50 Sample Matrix: WATER

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

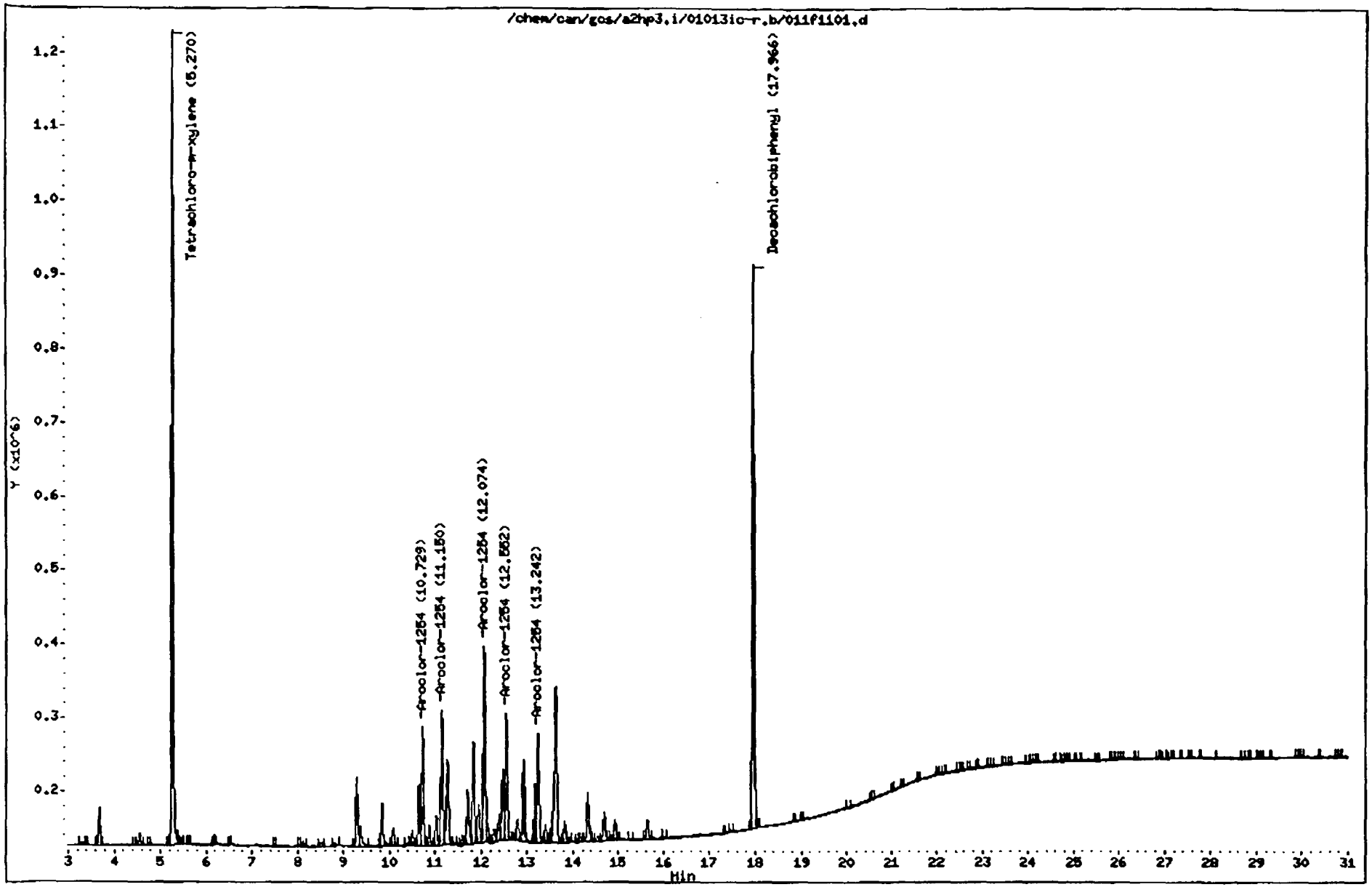
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
16 Aroclor-1254					CAS #: 11097-69-1		
10.659	10.799	-0.140	505466	0.10000	0.10	80.00- 120.00	100.00
11.080	11.220	-0.140	585004	0.10000	0.10	95.74- 135.74	115.74
12.004	12.144	-0.140	804213	0.10000	0.10	139.10- 179.10	159.10
12.482	12.622	-0.140	542054	0.10000	0.10	87.24- 127.24	107.24
13.172	13.312	-0.140	489388	0.10000	0.10	76.82- 116.82	96.82
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2840419	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.666	18.066	-0.200	2350030	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/011f1101.d
Date : 12-OCT-2000 20:46
Client ID: AR12541
Sample Info: AR12541
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/01013ic-r.b/012f1201.d
Lab Smp Id: C513 Client Smp ID: TOXAH1
Inj Date : 12-OCT-2000 21:23
Operator : 001754 Inst ID: a2hp3.i
Smp Info : TOXAH1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 12-OCT-2000 22:37 Cal File: 014f1401.d
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER

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

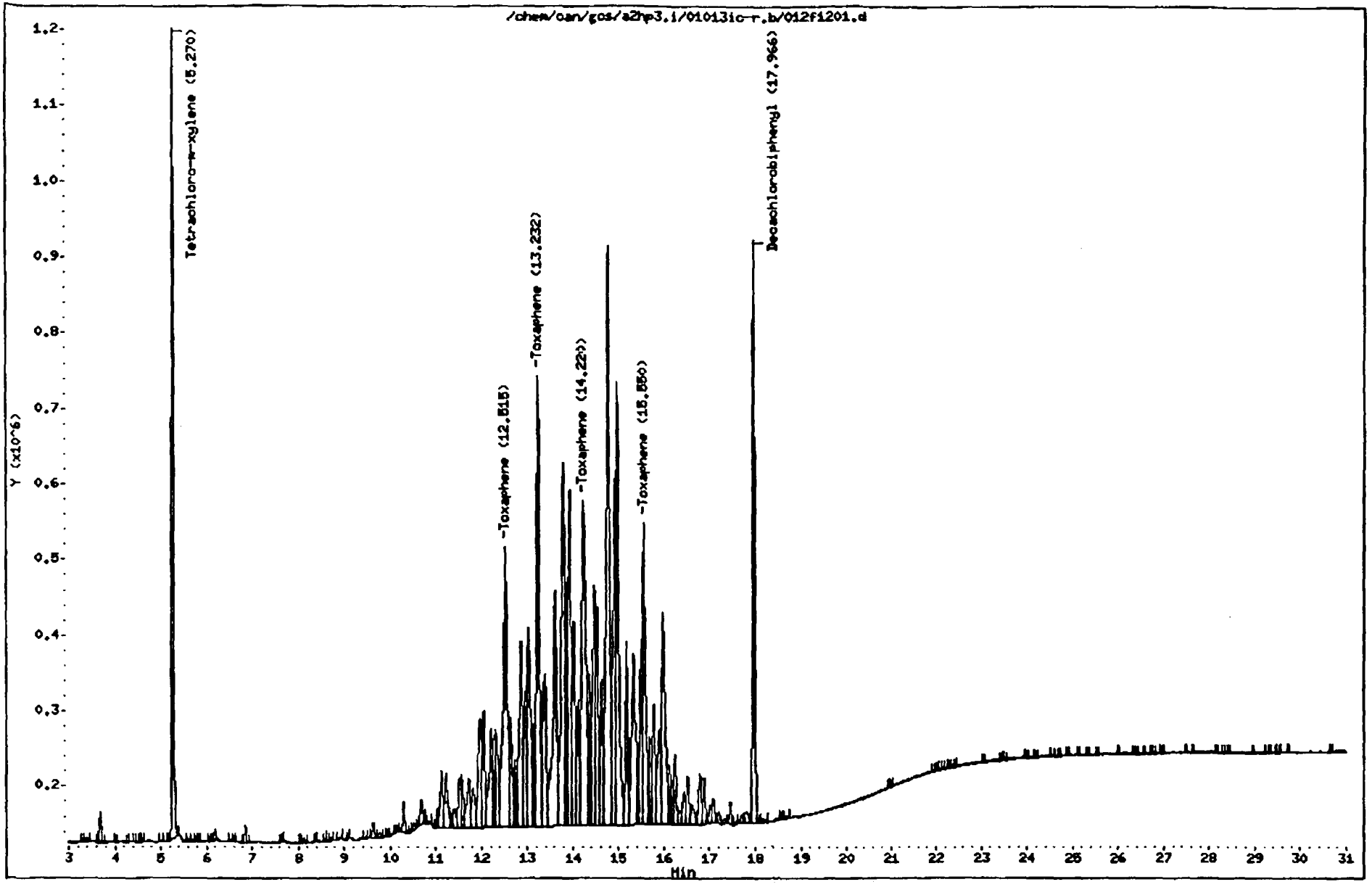
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
27 Toxaphene					CAS #: 8001-35-2		
12.446	12.586	-0.140	2025246	0.50000	0.50	80.00- 120.00	100.00
13.162	13.302	-0.140	2669661	0.50000	0.50	111.82- 151.82	131.82
14.150	14.290	-0.140	2712760	0.50000	0.50	113.95- 153.95	133.95
15.480	15.620	-0.140	1740686	0.50000	0.50	65.95- 105.95	85.95
Average of Peak Amounts =					0.5		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2741758	0.00500	0.013	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2407216	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/012f1201.d
Date : 12-OCT-2000 21:23
Client ID: TOXAH1
Sample Info: TOXAH1
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/01016c.b/006f0601.d
Lab Smp Id: C576 Client Smp ID: AR16601
Inj Date : 16-OCT-2000 16:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR16601
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 6-AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

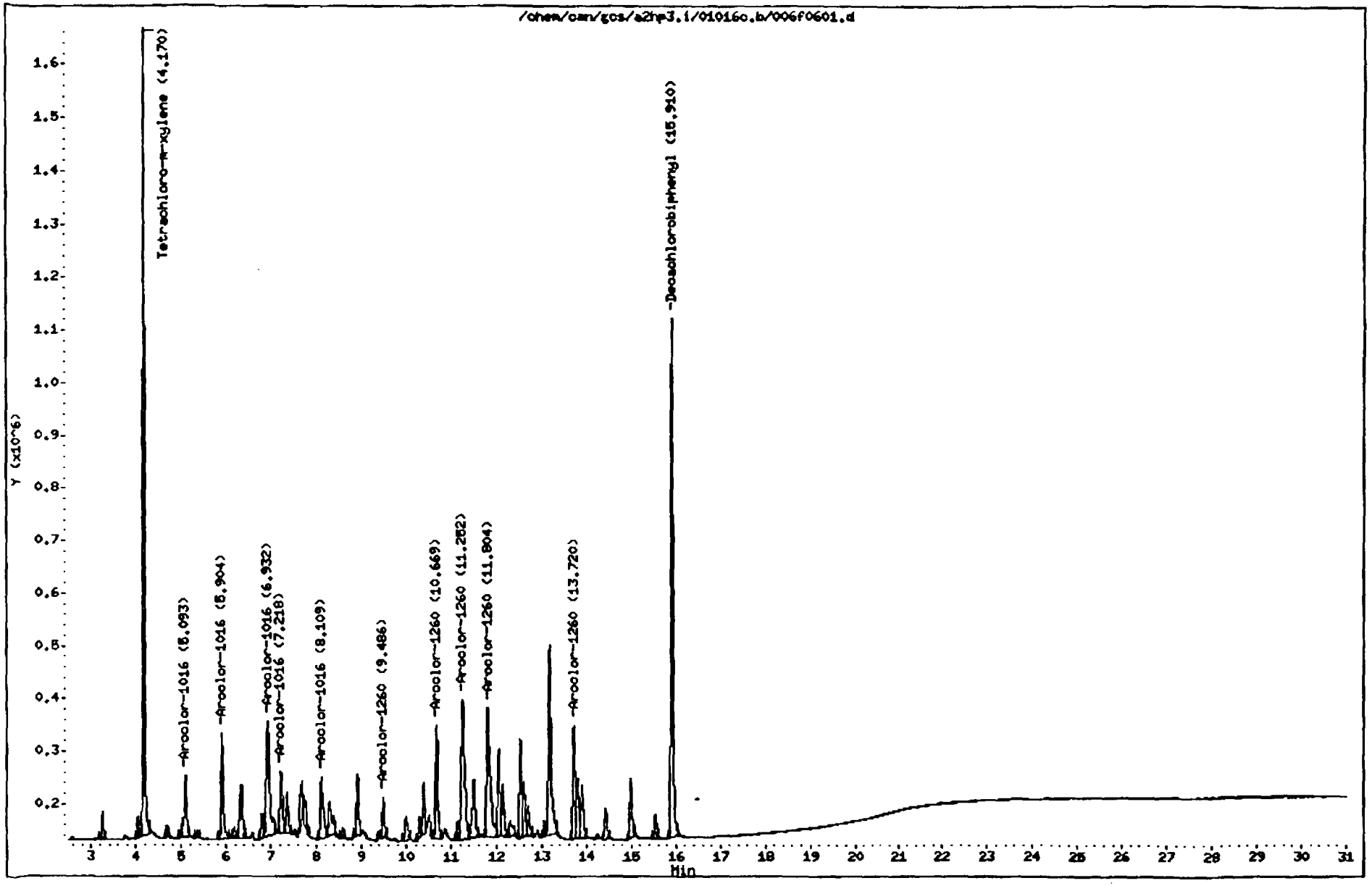
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1016					CAS #: 12674-11-2		
5.023	5.163	-0.140	389666	0.10000	0.10	80.00- 120.00	100.00
5.834	5.974	-0.140	712858	0.10000	0.10	162.94- 202.94	182.94
6.861	7.001	-0.140	1234831	0.10000	0.10	296.89- 336.89	316.89
7.145	7.285	-0.140	470238	0.10000	0.10	100.68- 140.68	120.68
8.038	8.178	-0.140	519108	0.10000	0.10	113.22- 153.22	133.22
Average of Peak Amounts =					0.1		
20 Aroclor-1260					CAS #: 11096-82-5		
9.413	9.553	-0.140	258118	0.10000	0.10	80.00- 120.00	100.00
10.597	10.737	-0.140	752055	0.10000	0.10	271.36- 311.36	291.36
11.176	11.316	-0.140	1407135	0.10000	0.10	525.15- 565.15	545.15
11.727	11.867	-0.140	1379058	0.10000	0.10	514.27- 554.27	534.27

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
20 Aroclor-1260 (continued)							
13.641	13.781	-0.140	769319	0.10000	0.10	278.05- 318.05	298.05
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3769977	0.00500	0.021	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3285993	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/006f0601.d
Date : 16-OCT-2000 16:37
Client ID: AR16601
Sample Info: AR16601
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/01016c.b/007f0701.d
Lab Smp Id: C515 Client Smp ID: AR12211
Inj Date : 16-OCT-2000 17:14
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12211
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1221.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.601	4.741	-0.140	442896	0.20000	0.20	80.00- 120.00	100.00
4.936	5.076	-0.140	286156	0.20000	0.20	44.61- 84.61	64.61
5.023	5.163	-0.140	1044248	0.20000	0.20	215.78- 255.78	235.78
Average of Peak Amounts =					0.2		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	4005565	0.00500	0.022	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3435890	0.01000	0.023	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/007f0701.d

Date : 16-OCT-2000 17:14

Client ID: AR12211

Sample Info: AR12211

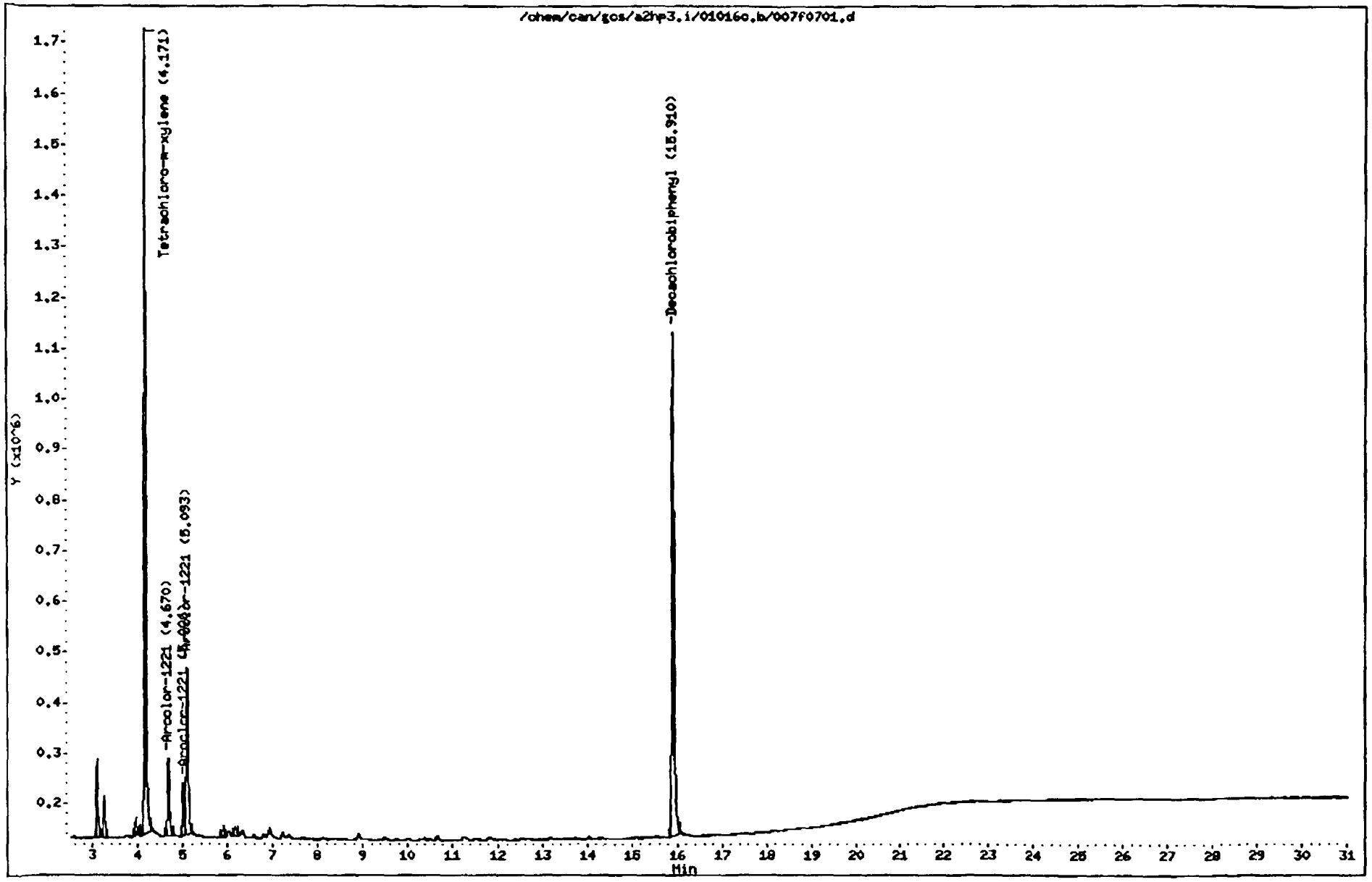
Volume Injected (uL): 1.0

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/01016c.b/008f0801.d
Lab Smp Id: C520 Client Smp ID: AR12321
Inj Date : 16-OCT-2000 17:52
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12321
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1232.sub
Target Version: 3.50 Sample Matrix: WATER

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

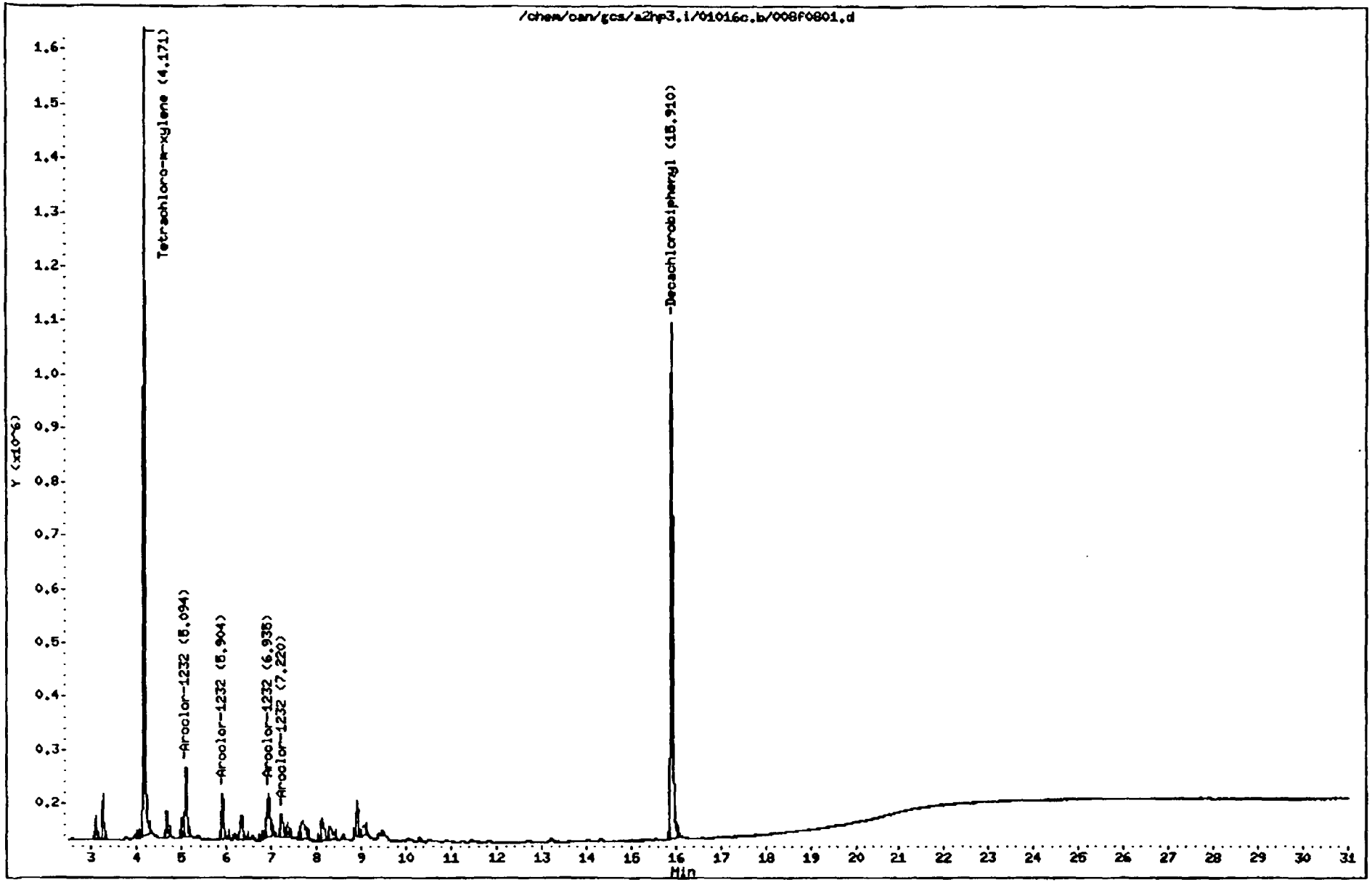
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1232					CAS #: 11141-16-5		
5.024	5.164	-0.140	413187	0.10000	0.10	80.00- 120.00	100.00
5.834	5.974	-0.140	298000	0.10000	0.10	52.12- 92.12	72.12
6.862	7.002	-0.140	427684	0.10000	0.10	83.51- 123.51	103.51
7.146	7.286	-0.140	182037	0.10000	0.10	24.06- 64.06	44.06
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3728992	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3238775	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c.b/008f0801.d
Date : 16-OCT-2000 17:52
Client ID: AR12321
Sample Info: AR12321
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/01016c.b/009f0901.d
Lab Smp Id: C521 Client Smp ID: AR12421
Inj Date : 16-OCT-2000 18:29
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12421
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1242.sub
Target Version: 3.50 Sample Matrix: WATER

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

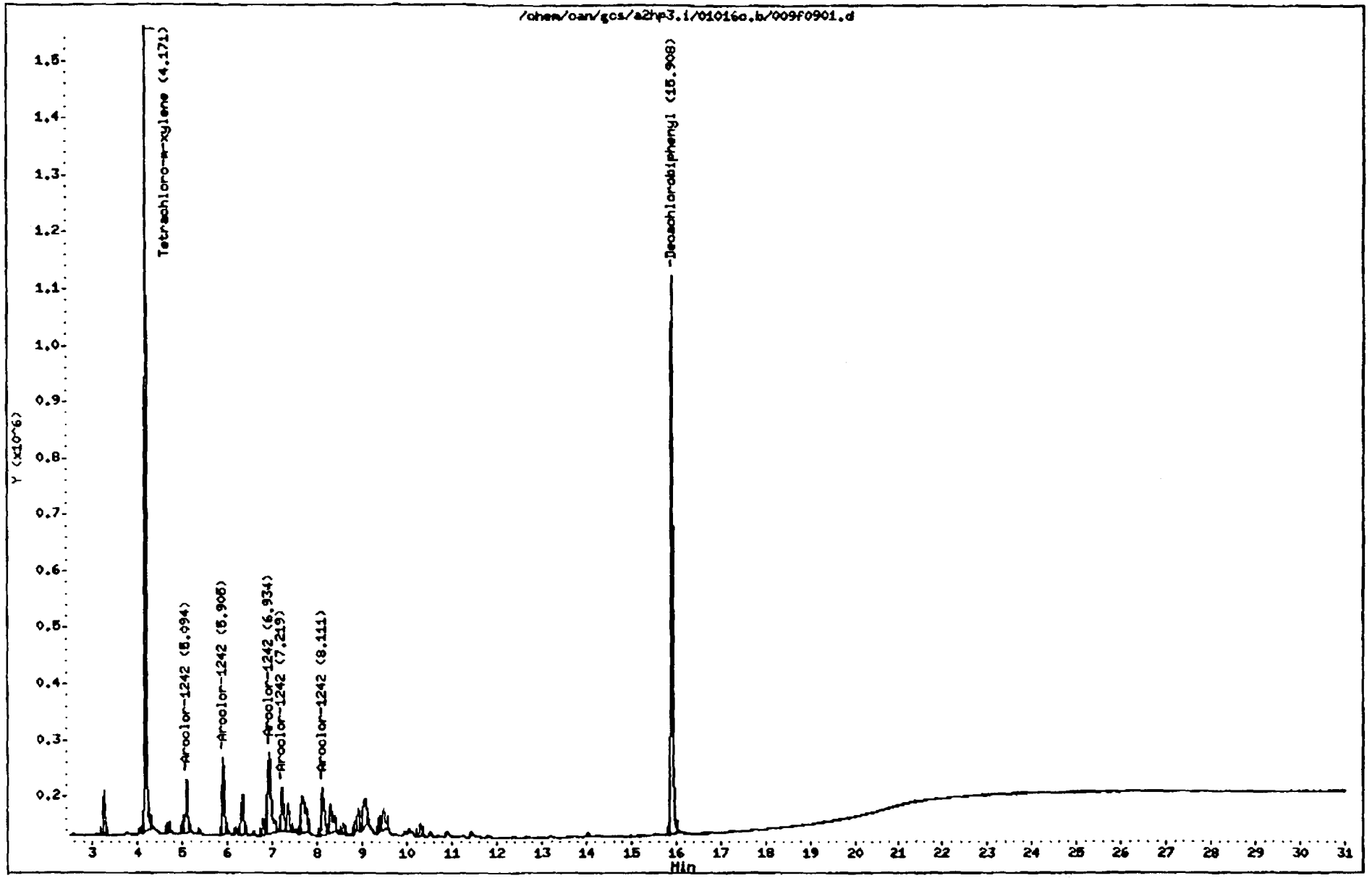
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1242					CAS #: 53469-21-9		
5.024	5.164	-0.140	320428	0.10000	0.10	80.00- 120.00	100.00
5.835	5.975	-0.140	449150	0.10000	0.10	120.17- 160.17	140.17
6.862	7.002	-0.140	847728	0.10000	0.10	244.56- 284.56	264.56
7.145	7.285	-0.140	319082	0.10000	0.10	79.58- 119.58	99.58
8.039	8.179	-0.140	373369	0.10000	0.10	96.52- 136.52	116.52
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3494017	0.00500	0.019	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3192220	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/009f0901.d
Date : 16-OCT-2000 18:29
Client ID: AR12421
Sample Info: AR12421
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/01016c.b/010f1001.d
Lab Smp Id: C522 Client Smp ID: AR12481
Inj Date : 16-OCT-2000 19:06
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12481
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-AR1248.sub
Target Version: 3.50 Sample Matrix: WATER

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

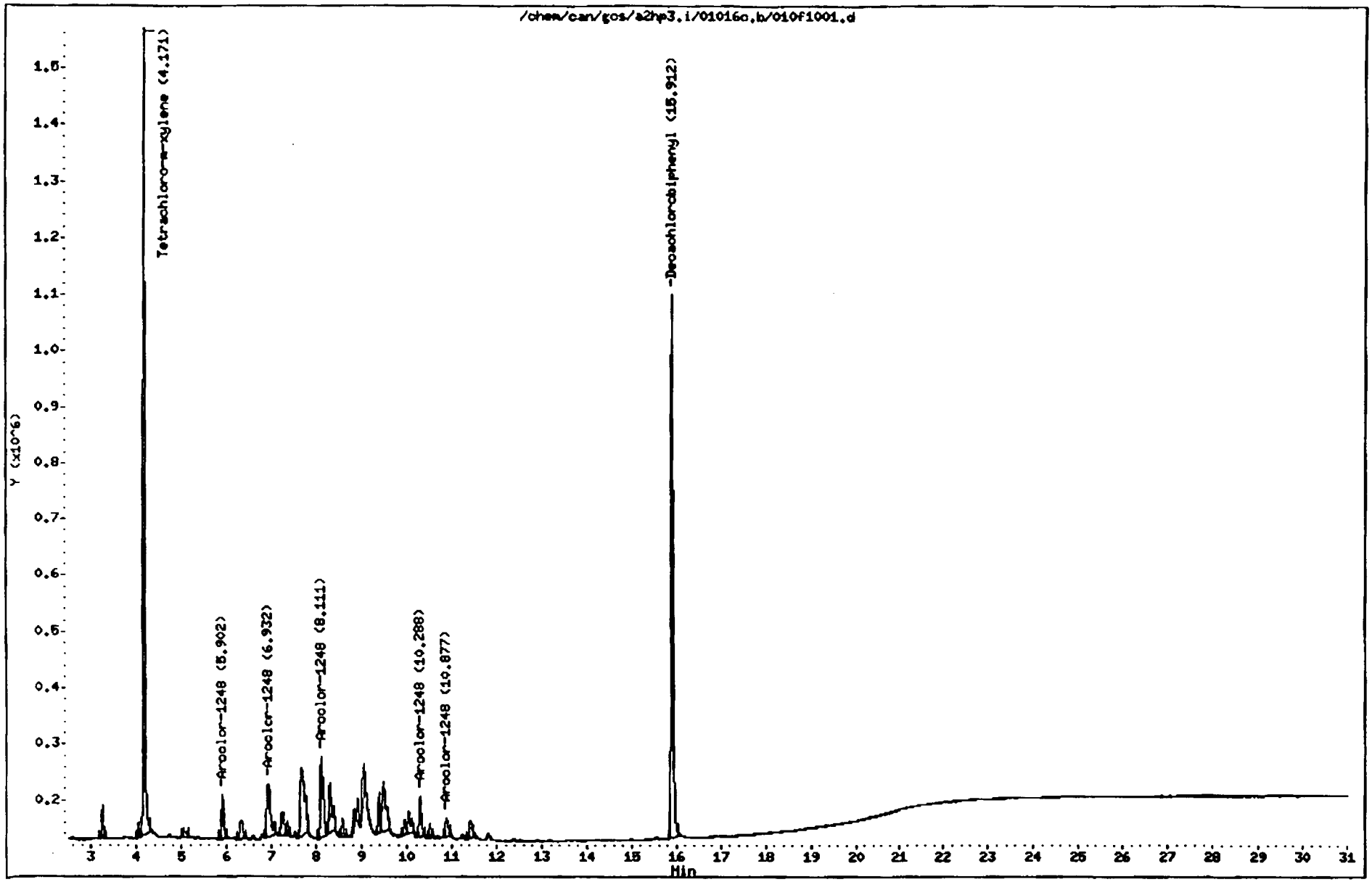
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ Aroclor-1248					CAS #: 12672-29-6		
5.832	5.972	-0.140	253725	0.10000	0.10	80.00- 120.00	100.00
6.858	6.998	-0.140	571701	0.10000	0.10	205.32- 245.32	225.32
8.038	8.178	-0.140	630595	0.10000	0.10	228.53- 268.53	248.53
10.213	10.353	-0.140	268150	0.10000	0.10	85.69- 125.69	105.69
10.792	10.932	-0.140	137507	0.10000	0.10	34.20- 74.20	54.20
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3541160	0.00500	0.019	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3224919	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/010f1001.d
Date : 16-OCT-2000 19:06
Client ID: AR12481
Sample Info: AR12481
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/01016c.b/011f1101.d
Lab Smp Id: C523 Client Smp ID: AR12541
Inj Date : 16-OCT-2000 19:43
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12541
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-AR1254.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
11 Aroclor-1254					CAS #: 11097-69-1		
7.585	7.725	-0.140	370688	0.10000	0.10	80.00- 120.00	100.00
8.848	8.988	-0.140	445925	0.10000	0.10	100.30- 140.30	120.30
9.413	9.553	-0.140	733166	0.10000	0.10	177.79- 217.79	197.79
10.212	10.352	-0.140	747034	0.10000	0.10	181.53- 221.53	201.53
11.730	11.870	-0.140	907037	0.10000	0.10	224.69- 264.69	244.69
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3573641	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3217788	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/oan/gcs/a2hp3.i/010160.b/011f1101.d

Date : 16-OCT-2000 19:43

Client ID: AR12541

Sample Info: AR12541

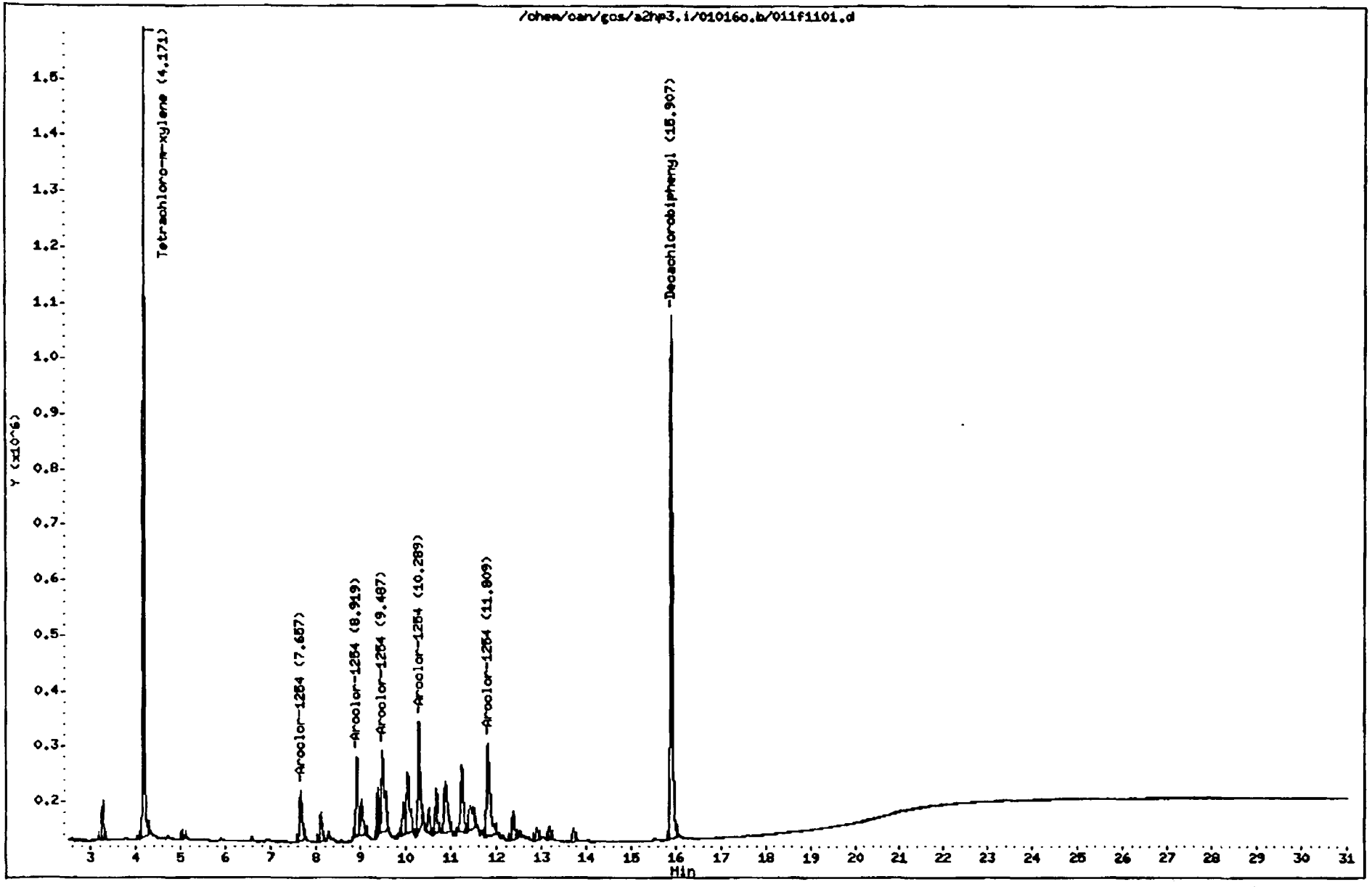
Volume Injected (uL): 1.0

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/01016c.b/012f1201.d
Lab Smp Id: C513 Client Smp ID: TOXAH1
Inj Date : 16-OCT-2000 20:21
Operator : 001754 Inst ID: a2hp3.i
Smp Info : TOXAH1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 21:35 Cal File: 014f1401.d
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 11-TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
22 Toxaphene					CAS #: 8001-35-2		
10.832	10.972	-0.140	735904	0.50000	0.50	80.00- 120.00	100.00
11.119	11.259	-0.140	973115	0.50000	0.50	112.23- 152.23	132.23
12.430	12.570	-0.140	2651503	0.50000	0.50	340.31- 380.31	360.31
12.838	12.978	-0.140	3010175	0.50000	0.50	389.04- 429.04	409.04
Average of Peak Amounts =					0.5		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3642841	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3371216	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/012f1201.d

Date : 16-OCT-2000 20:21

Client ID: TOXAH1

Sample Info: TOXAH1

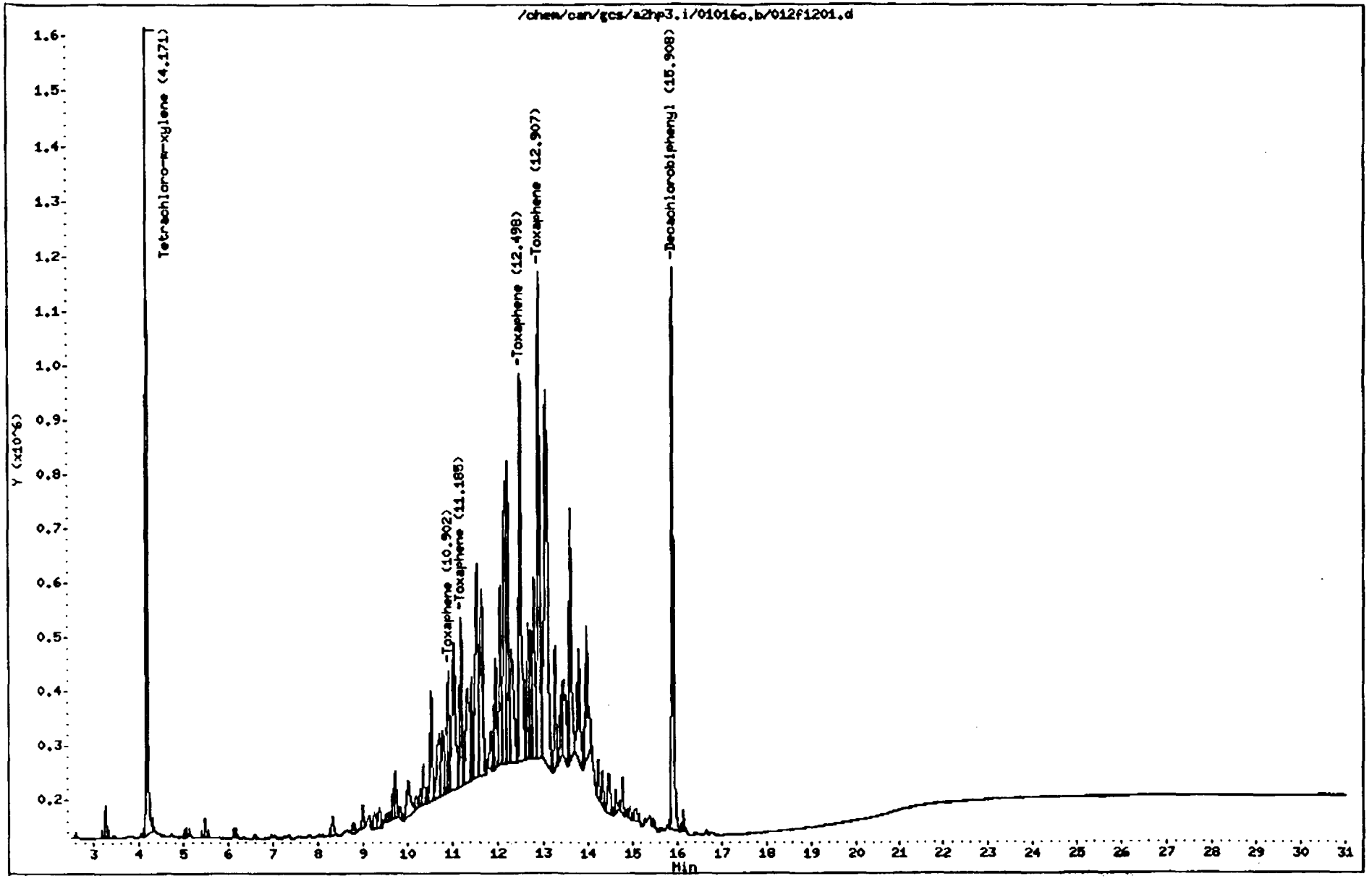
Volume Injected (uL): 1.0

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/01016c-r.b/006f0601.d
Lab Smp Id: C576 Client Smp ID: AR16601
Inj Date : 16-OCT-2000 16:37
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR16601
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 6-AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

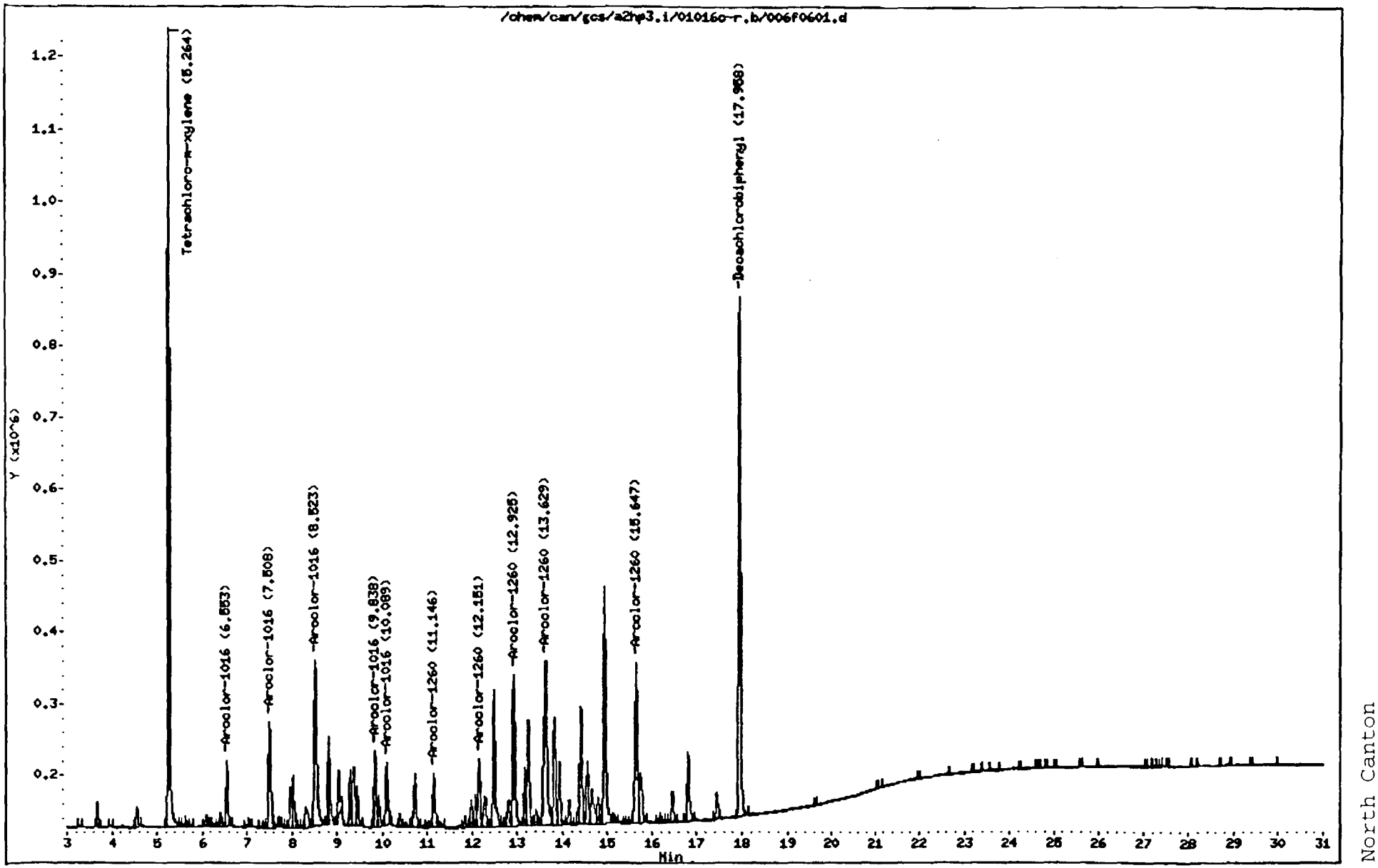
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.487	6.627	-0.140	272594	0.10000	0.10	80.00- 120.00	100.00
7.442	7.582	-0.140	546801	0.10000	0.10	180.59- 220.59	200.59
8.455	8.595	-0.140	997412	0.10000	0.10	345.90- 385.90	365.90
9.771	9.911	-0.140	331009	0.10000	0.10	101.43- 141.43	121.43
10.023	10.163	-0.140	331069	0.10000	0.10	101.45- 141.45	121.45
Average of Peak Amounts =					0.1		
22 Aroclor-1260					CAS #: 11096-82-5		
11.077	11.217	-0.140	263125	0.10000	0.10	80.00- 120.00	100.00
12.084	12.224	-0.140	316500	0.10000	0.10	100.29- 140.29	120.29
12.858	12.998	-0.140	774801	0.10000	0.10	274.46- 314.46	294.46
13.562	13.702	-0.140	1143798	0.10000	0.10	414.70- 454.70	434.70

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
22 Aroclor-1260 (continued)							
15.579	15.719	-0.140	874303	0.10000	0.10	312.28- 352.28	332.28
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2941537	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2314707	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160-r.b/006F0601.d
Date : 16-OCT-2000 16:37
Client ID: AR16601
Sample Info: AR16601
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/01016c-r.b/007f0701.d
Lab Smp Id: C515 Client Smp ID: AR12211
Inj Date : 16-OCT-2000 17:14
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12211
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-AR1221.sub
Target Version: 3.50 Sample Matrix: WATER

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

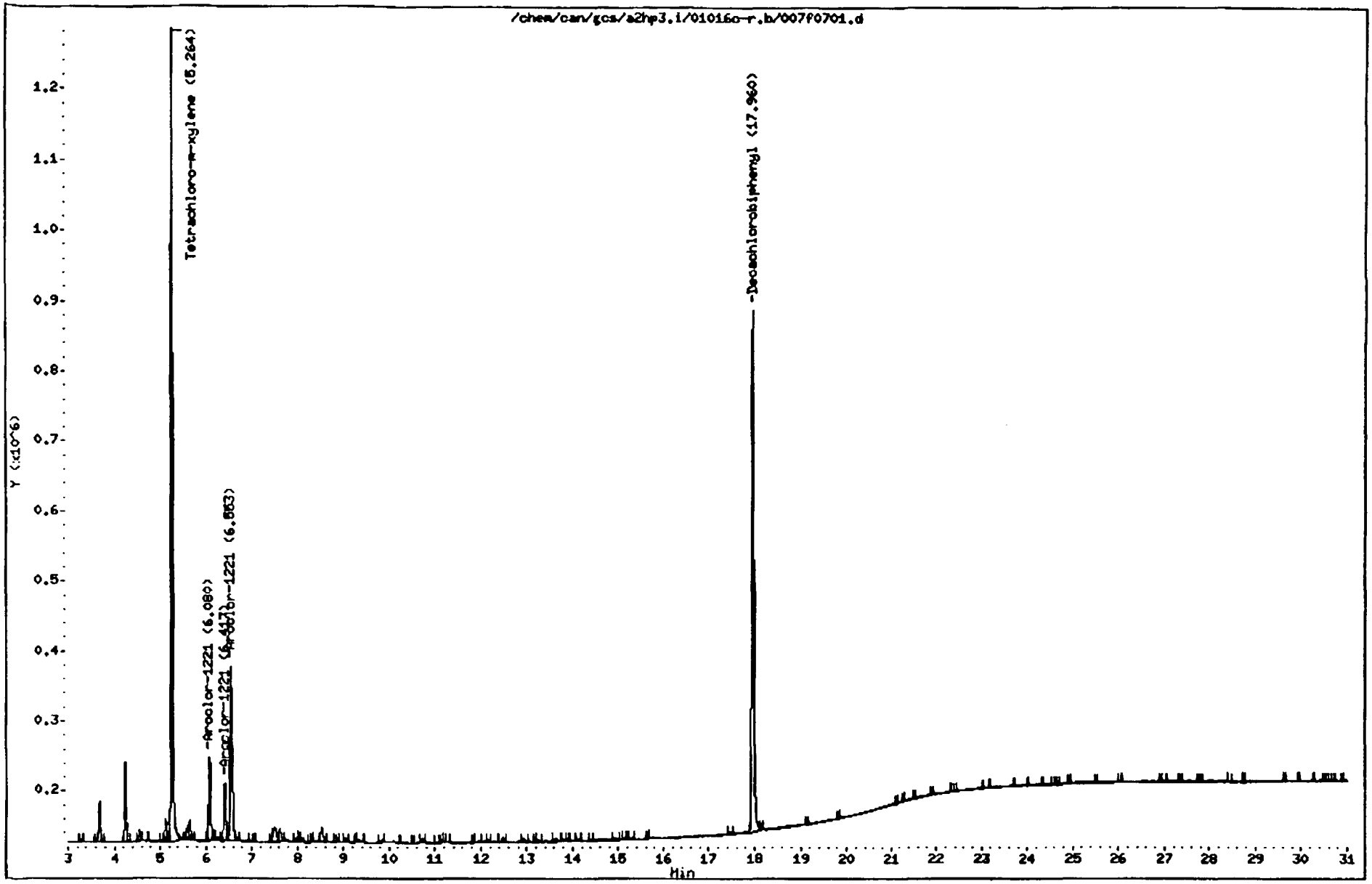
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
6.014	6.154	-0.140	341879	0.20000	0.20	80.00- 120.00	100.00
6.351	6.491	-0.140	230759	0.20000	0.20	47.50- 87.50	67.50
6.486	6.626	-0.140	827815	0.20000	0.20	222.14- 262.14	242.14
Average of Peak Amounts =					0.2		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	3072147	0.00500	0.021	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2435952	0.01000	0.023	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/007f0701.d
Date : 16-OCT-2000 17:14
Client ID: AR12211
Sample Info: AR12211
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/01016c-r.b/008f0801.d
Lab Smp Id: C520 Client Smp ID: AR12321
Inj Date : 16-OCT-2000 17:52
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12321
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2-AR1232.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1232					CAS #: 11141-16-5		
6.487	6.627	-0.140	323083	0.10000	0.10	80.00- 120.00	100.00
7.442	7.582	-0.140	249090	0.10000	0.10	57.10- 97.10	77.10
8.454	8.594	-0.140	415631	0.10000	0.10	108.65- 148.65	128.65
10.024	10.164	-0.140	161319	0.10000	0.10	29.93- 69.93	49.93
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2956899	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2309079	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/008f0801.d

Date : 16-OCT-2000 17:52

Client ID: AR12321

Sample Info: AR12321

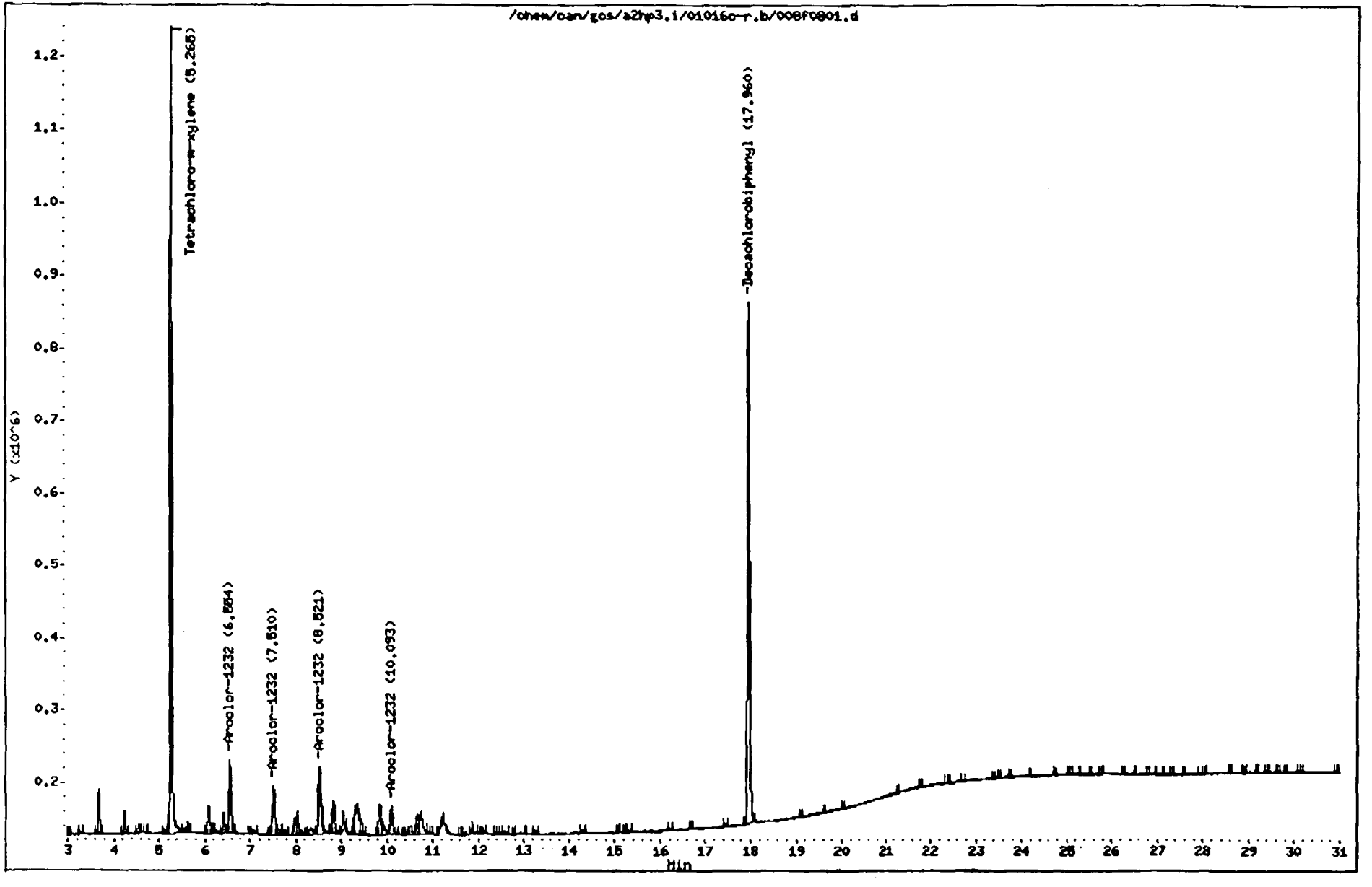
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001764

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01016c-r.b/009f0901.d
Lab Smp Id: C521 Client Smp ID: AR12421
Inj Date : 16-OCT-2000 18:29
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12421
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-AR1242.sub
Target Version: 3.50 Sample Matrix: WATER

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

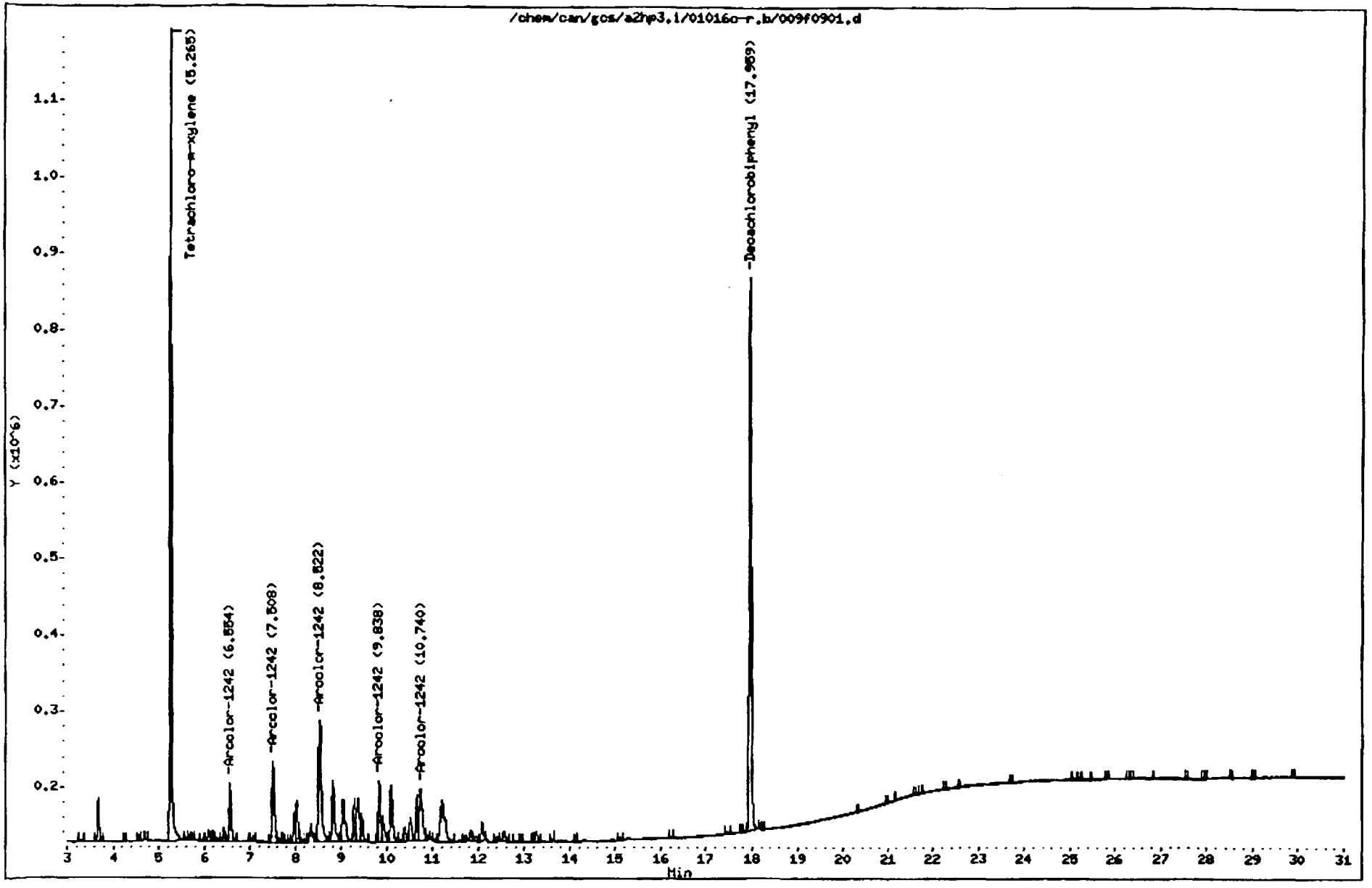
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ Aroclor-1242					CAS #: 53469-21-9		
6.486	6.626	-0.140	230339	0.10000	0.10	80.00- 120.00	100.00
7.443	7.583	-0.140	389104	0.10000	0.10	148.93- 188.93	168.93
8.454	8.594	-0.140	727672	0.10000	0.10	295.91- 335.91	315.91
9.770	9.910	-0.140	254100	0.10000	0.10	90.32- 130.32	110.32
10.668	10.808	-0.140	295040	0.10000	0.10	108.09- 148.09	128.09
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2825792	0.00500	0.019	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2314467	0.01000	0.021	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/009f0901.d
Date : 16-OCT-2000 18:29
Client ID: AR12421
Sample Info: AR12421
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/01016c-r.b/010f1001.d
Lab Smp Id: C522 Client Smp ID: AR12481
Inj Date : 16-OCT-2000 19:06
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12481
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 4-AR1248.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aroclor-1248					CAS #: 12672-29-6		
8.451	8.591	-0.140	514667	0.10000	0.10	80.00- 120.00	100.00
9.222	9.362	-0.140	333239	0.10000	0.10	44.75- 84.75	64.75
10.023	10.163	-0.140	510726	0.10000	0.10	79.23- 119.23	99.23
10.668	10.808	-0.140	594828	0.10000	0.10	95.58- 135.58	115.58
12.007	12.147	-0.140	287156	0.10000	0.10	35.79- 75.79	55.79
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2872937	0.00500	0.019	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2330544	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/010f1001.d

Date : 16-OCT-2000 19:06

Client ID: AR12481

Sample Info: AR12481

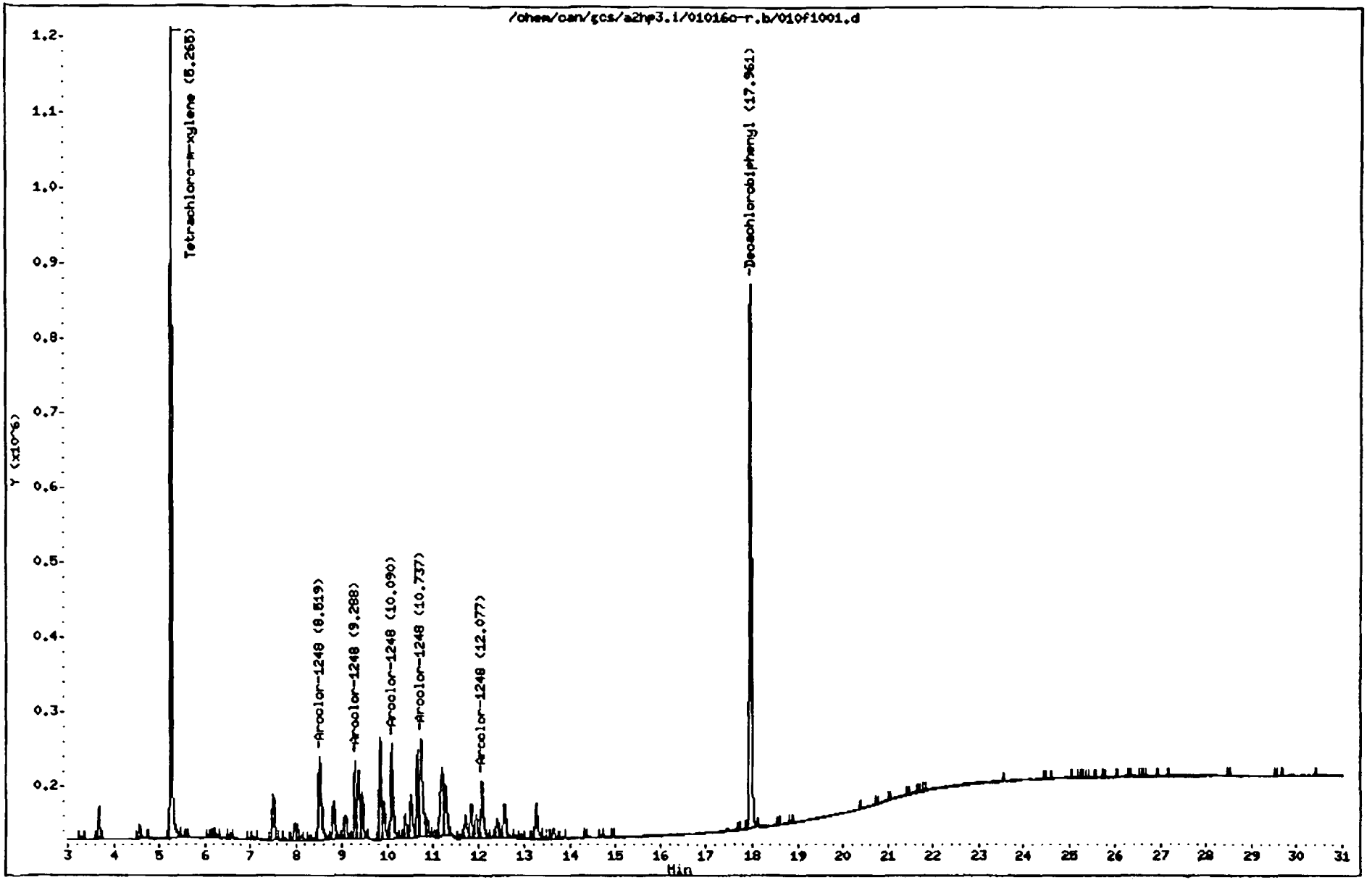
Volume Injected (uL): 1.0

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/01016c-r.b/011f1101.d
Lab Smp Id: C523 Client Smp ID: AR12541
Inj Date : 16-OCT-2000 19:43
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AR12541
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-AR1254.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
16 Aroclor-1254					CAS #: 11097-69-1		
10.657	10.797	-0.140	536487	0.10000	0.10	80.00- 120.00	100.00
11.079	11.219	-0.140	526403	0.10000	0.10	78.12- 118.12	98.12
12.005	12.145	-0.140	899935	0.10000	0.10	147.75- 187.75	167.75
12.484	12.624	-0.140	585723	0.10000	0.10	89.18- 129.18	109.18
13.174	13.314	-0.140	459697	0.10000	0.10	65.69- 105.69	85.69
Average of Peak Amounts =					0.1		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2901228	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2345729	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/011f1101.d

Date : 16-OCT-2000 19:43

Client ID: AR12541

Sample Info: AR12541

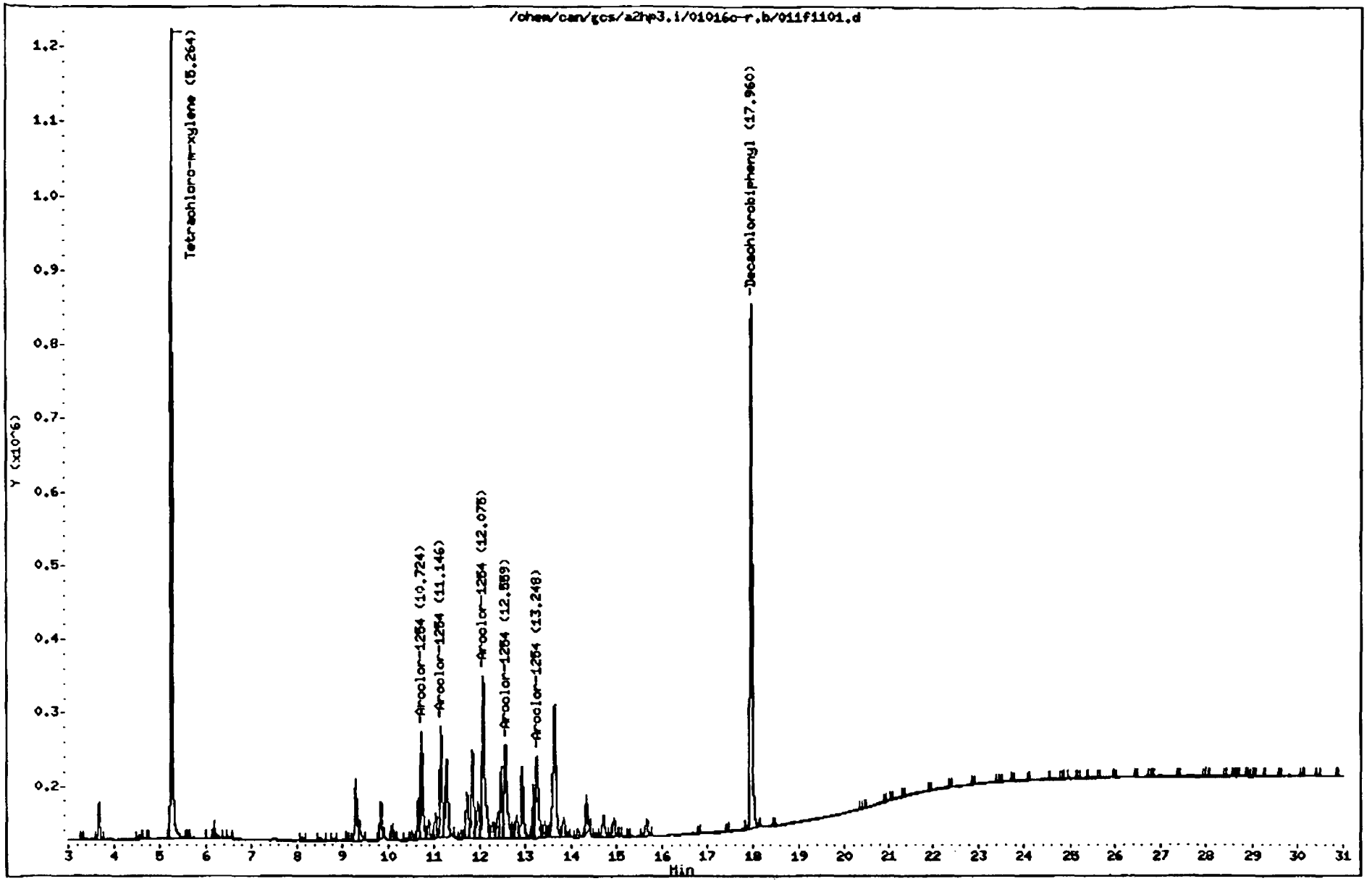
Volume Injected (uL): 1.0

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/01016c-r.b/012f1201.d
Lab Smp Id: C513 Client Smp ID: TOXAH1
Inj Date : 16-OCT-2000 20:21
Operator : 001754 Inst ID: a2hp3.i
Smp Info : TOXAH1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 16-OCT-2000 20:21 Cal File: 012f1201.d
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-TOXAPH.sub
Target Version: 3.50 Sample Matrix: WATER

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

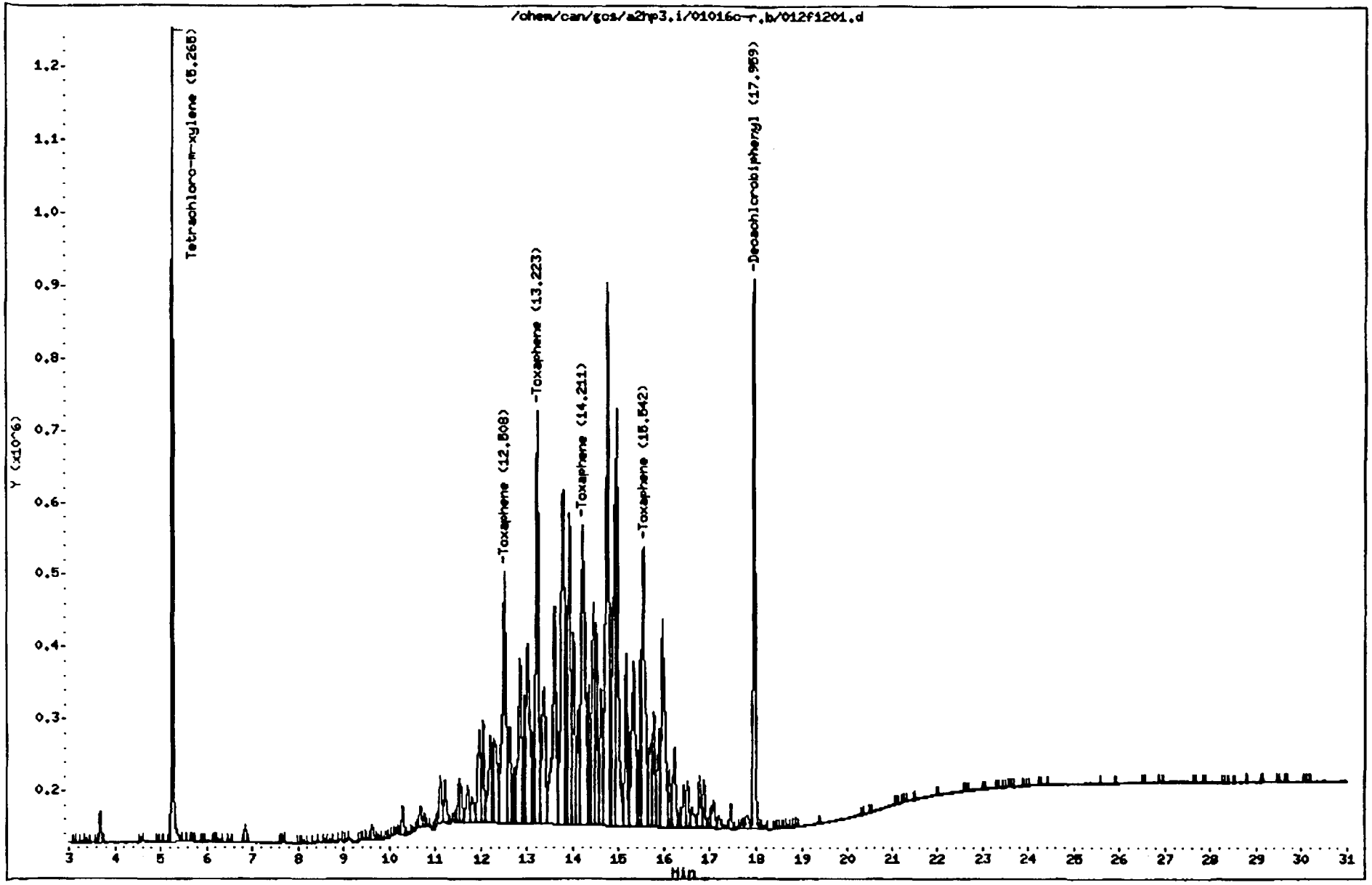
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
27 Toxaphene					CAS #: 8001-35-2		
12.443	12.583	-0.140	1911301	0.50000	0.50	80.00- 120.00	100.00
13.159	13.299	-0.140	2414597	0.50000	0.50	106.33- 146.33	126.33
14.147	14.287	-0.140	2623097	0.50000	0.50	117.24- 157.24	137.24
15.477	15.617	-0.140	1780751	0.50000	0.50	73.17- 113.17	93.17
Average of Peak Amounts =					0.5		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2964981	0.00500	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2412386	0.01000	0.022	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01016c-r.b/012f1201.d
Date : 16-OCT-2000 20:21
Client ID: TOXAH1
Sample Info: TOXAH1
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/a2hp4.i/00920clp.b/025f2501.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 21-SEP-2000 12:42
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDAM2 C618
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: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	2600412	0.02000	0.021	80.00- 120.00	100.00(M)
5 alpha-BHC					CAS #: 319-84-6		
5.907	6.007	-0.100	4071094	0.02000	0.023	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.649	6.749	-0.100	3473133	0.02000	0.024	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	2535069	0.02000	0.021	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.499	10.599	-0.140	2583240	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.971	11.111	-0.140	5833170	0.04000	0.044	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.410	11.550	-0.140	4107969	0.04000	0.041	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.800	11.940	-0.140	4178993	0.04000	0.041	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.393	12.533	-0.140	3779487	0.04000	0.039	80.00- 120.00	100.00
28 Methoxychlor					CAS #: 72-43-5		
14.760	14.900	-0.140	9243747	0.20000	0.19	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	3974949	0.04000	0.039	80.00- 120.00	100.00

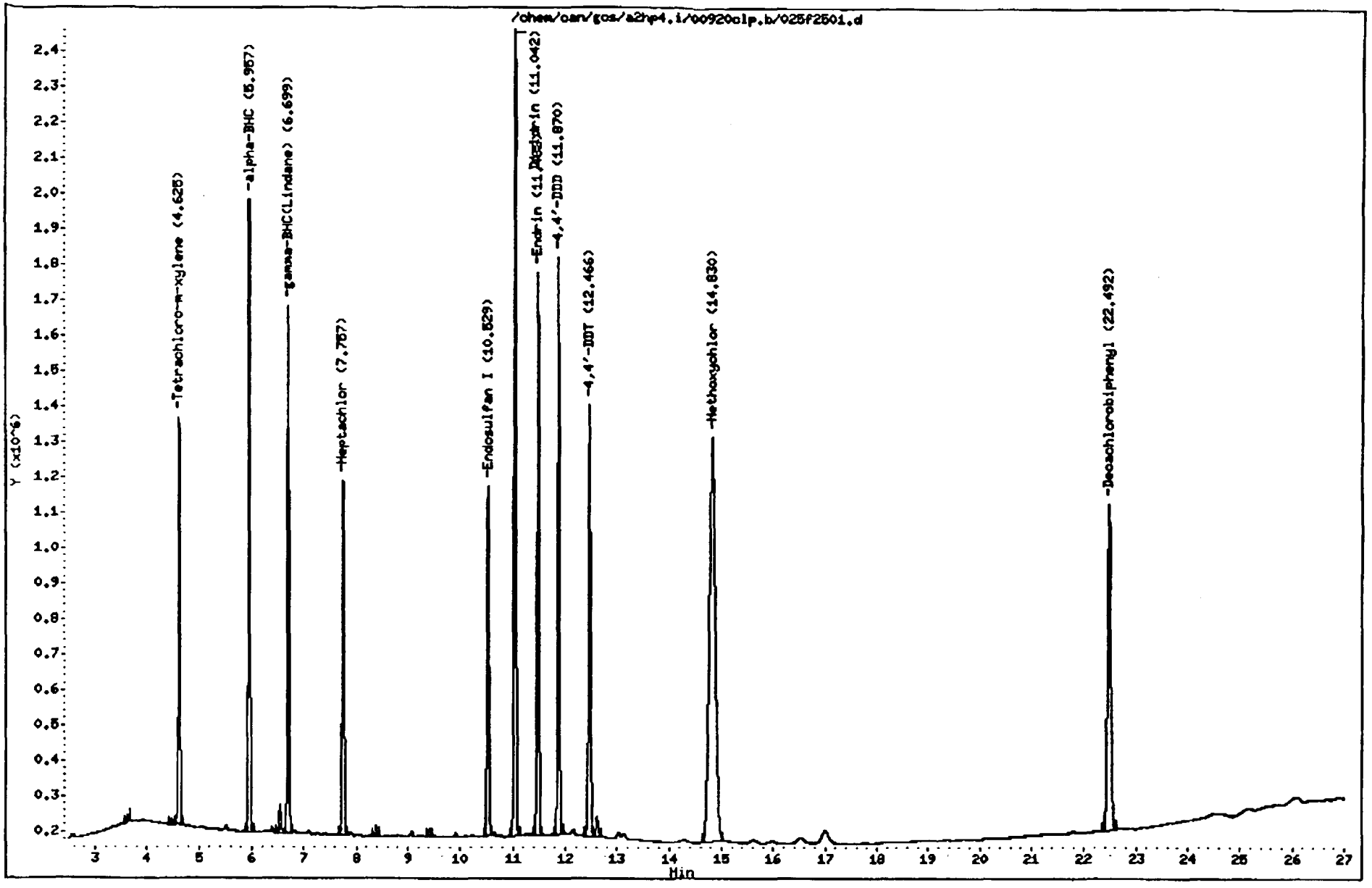
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/can/gcs/a2hp4.i/00920olp.b/025f2501.d
Date : 21-SEP-2000 12:42
Client ID: INDAM2
Sample Info: INDAM2 C618
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.b/026f2601.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 21-SEP-2000 13:14
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDBM2 C619
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: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

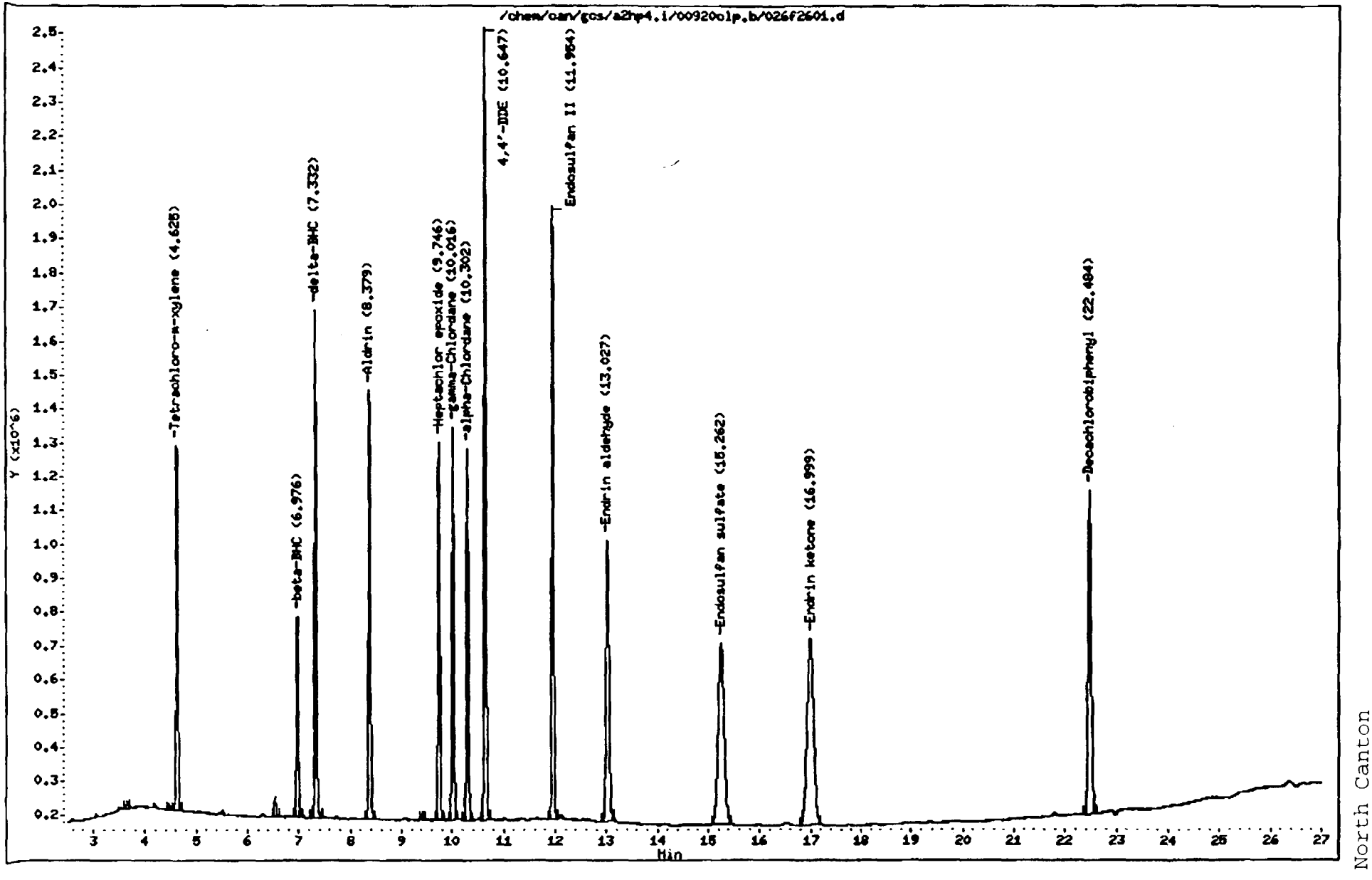
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.329	8.429	-0.100	3284773	0.02000	0.022	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.923	7.023	-0.100	1410798	0.02000	0.022	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.279	7.379	-0.100	3541535	0.02000	0.022	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.673	9.813	-0.140	2855619	0.02000	0.022	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.945	10.085	-0.140	2998321	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
10.229	10.369	-0.140	2901726	0.02000	0.021	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.575	10.715	-0.140	5910795	0.04000	0.042	80.00- 120.00	100.00
23 Endosulfan II					CAS #: 33213-65-9		
11.883	12.023	-0.140	4764083	0.04000	0.041	80.00- 120.00	100.00
26 Endrin aldehyde					CAS #: 7421-93-4		
12.958	13.098	-0.140	3404824	0.04000	0.040	80.00- 120.00	100.00
27 Endosulfan sulfate					CAS #: 1031-07-8		
15.190	15.330	-0.140	4403714	0.04000	0.041	80.00- 120.00	100.00
29 Endrin ketone					CAS #: 53494-70-5		
16.931	17.071	-0.140	4835914	0.04000	0.040	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	2561442	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	4104006	0.04000	0.040	80.00- 120.00	100.00

Data File: /chem/oan/gcs/a2hp4.i/00920olp.b/026f2601.d
Date : 21-SEP-2000 13:14
Client ID: INDBM2
Sample Info: INDBM2 C619
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/025f2501.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 21-SEP-2000 12:42
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDAM2 C618
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: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

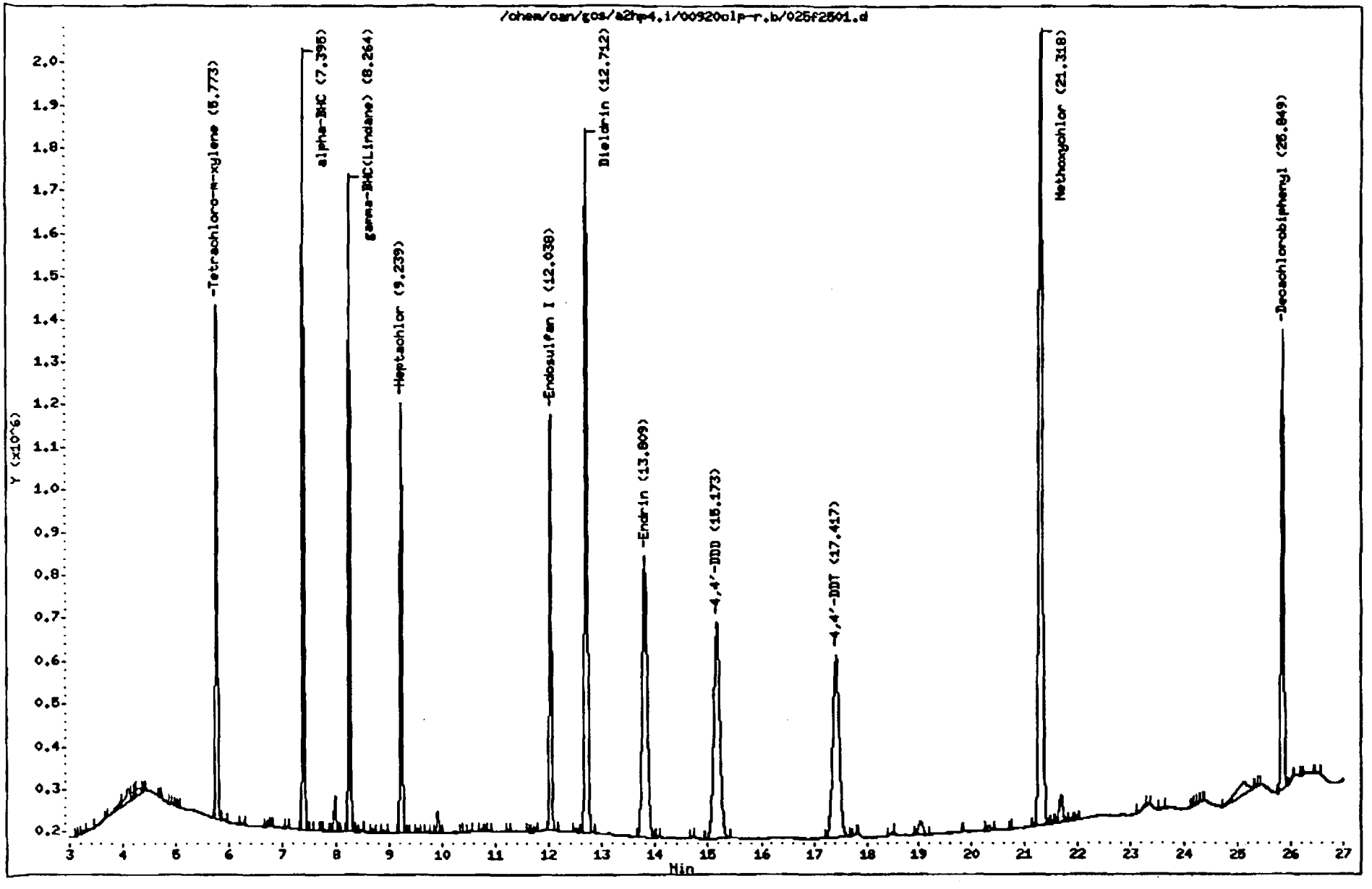
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	2633169	0.02000	0.021	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
7.344	7.444	-0.100	4242328	0.02000	0.023	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.213	8.313	-0.100	3644001	0.02000	0.023	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
9.188	9.288	-0.100	2603079	0.02000	0.021	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.968	12.108	-0.140	2611339	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
12.641	12.781	-0.140	5865265	0.04000	0.043	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
13.738	13.878	-0.140	6125627	0.04000	0.041	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
15.099	15.239	-0.140	4063447	0.04000	0.041	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.350	17.490	-0.140	3624989	0.04000	0.040	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
21.247	21.387	-0.140	8538963	0.20000	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	3600861	0.04000	0.038	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/026f2501.d
Date : 21-SEP-2000 12:42
Client ID: INDAH2
Sample Info: INDAH2 C618
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

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/026f2601.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 21-SEP-2000 13:14
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDBM2 C619
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: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

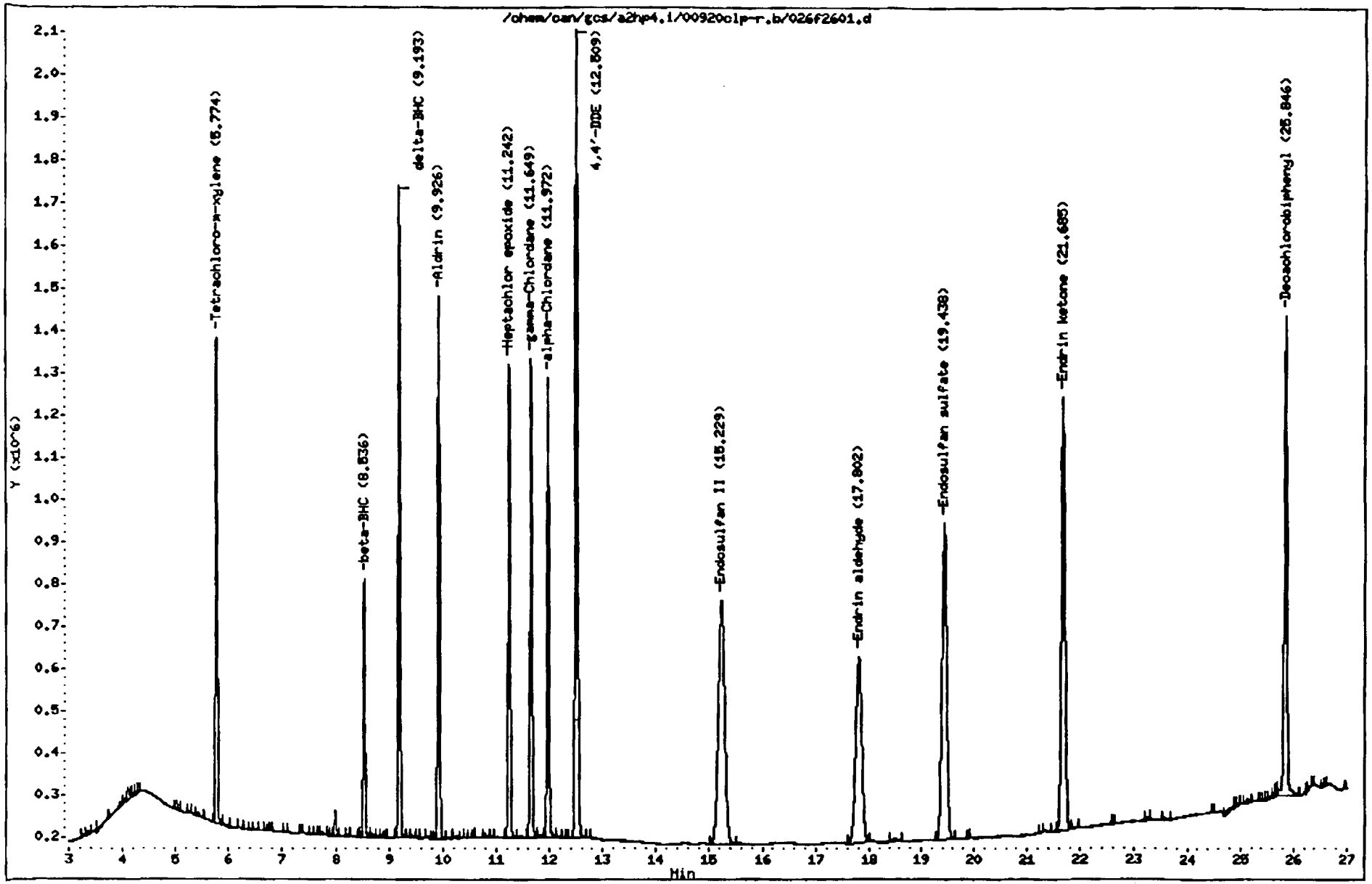
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (pg)	AMOUNTS ON-COL (pg)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.873	9.973	-0.100	3468674	0.02000	0.022	80.00- 120.00	100.00
7 beta-BHC					CAS #: 319-85-7		
8.485	8.585	-0.100	1484174	0.02000	0.022	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
9.141	9.241	-0.100	3644930	0.02000	0.022	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	2932482	0.02000	0.022	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.578	11.718	-0.140	3011218	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.900	12.040	-0.140	2942349	0.02000	0.021	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.437	12.577	-0.140	5988372	0.04000	0.042	80.00- 120.00	100.00
21 Endosulfan II					CAS #: 33213-65-9		
15.160	15.300	-0.140	4804281	0.04000	0.041	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.738	17.878	-0.140	3521303	0.04000	0.040	80.00- 120.00	100.00
25 Endosulfan sulfate					CAS #: 1031-07-8		
19.374	19.514	-0.140	4500842	0.04000	0.041	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.622	21.762	-0.140	4645439	0.04000	0.040	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	2763855	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	4017843	0.04000	0.042	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/026f2601.d
Date : 21-SEP-2000 13:14
Client ID: INDBM2
Sample Info: INDBM2 C619
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

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



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/036f3401.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 04-OCT-2000 09:03
Operator : 1808 Inst ID: a2hp4.i
Smp Info : AM
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: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

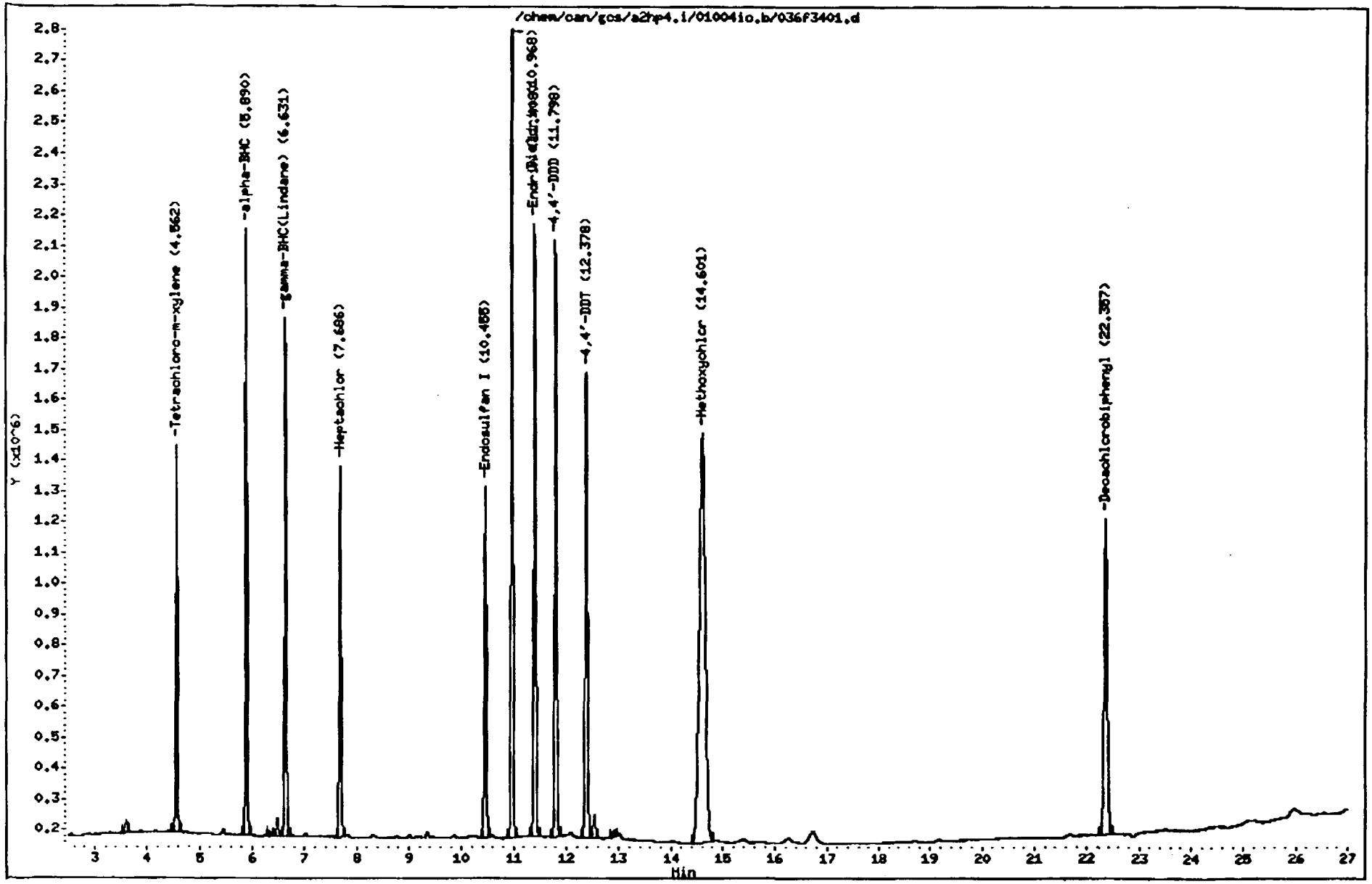
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	2722806	0.02000	0.020	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.839	5.939	-0.100	4408785	0.02000	0.023	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.580	6.680	-0.100	3889942	0.02000	0.025	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	2995735	0.02000	0.022	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.383	10.523	-0.140	3021417	0.02000	0.024	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.896	11.036	-0.140	6777668	0.04000	0.045	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.334	11.474	-0.140	5255835	0.04000	0.046	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.728	11.868	-0.140	4954141	0.04000	0.045	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
12.307	12.447	-0.140	4513686	0.04000	0.042	80.00- 120.00	100.00
28 Methoxychlor					CAS #: 72-43-5		
14.529	14.669	-0.140	10665925	0.20000	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	4359235	0.04000	0.044	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/01004io.b/036f3401.d
Date : 04-OCT-2000 09:03
Client ID: INDAM2
Sample Info: AM
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.b/035f3301.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 04-OCT-2000 08:31
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDBM2 C619
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: 35 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

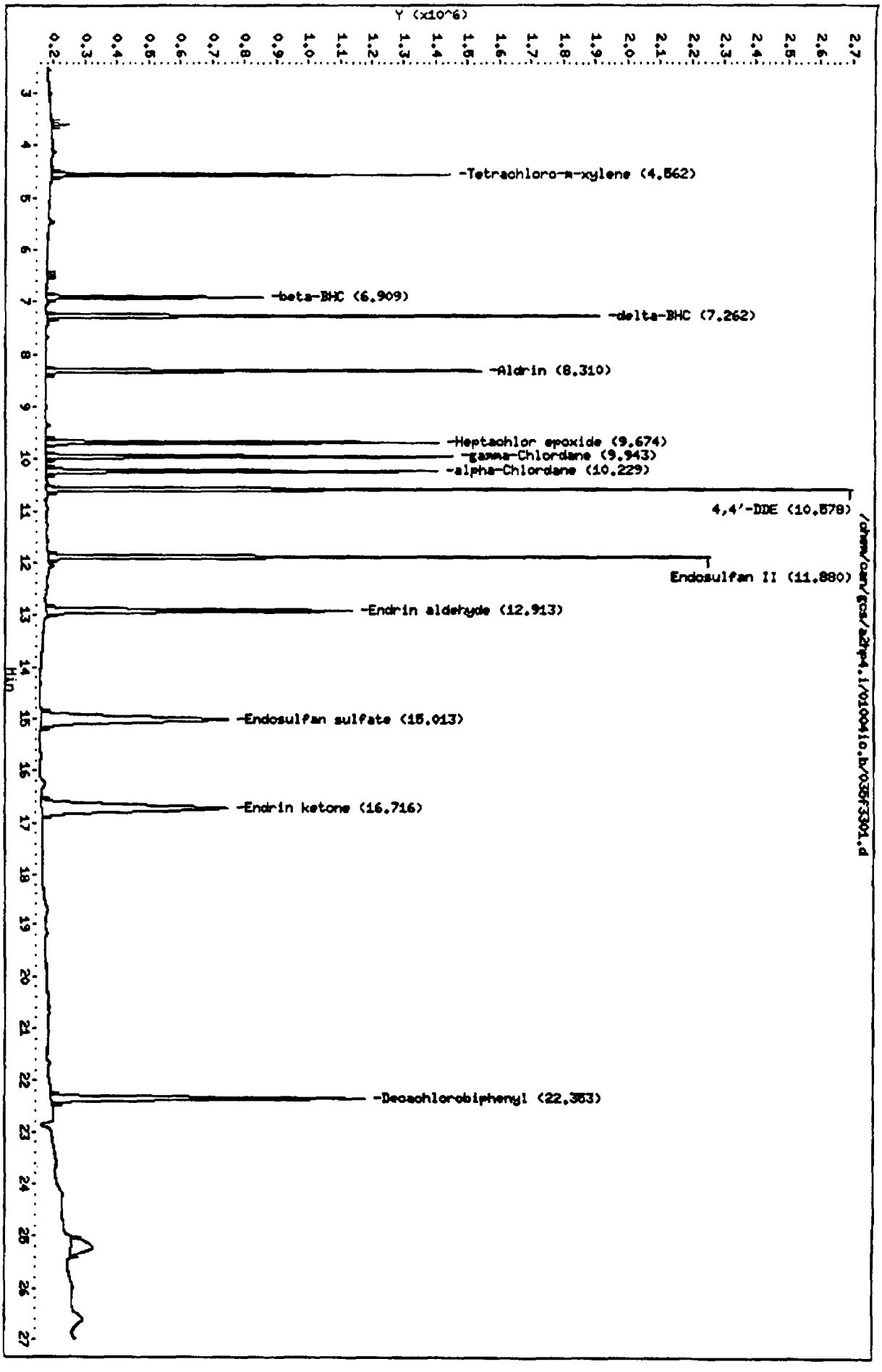
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
8.357	8.357	-0.100	3554836	0.02000	0.021	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.857	6.957	-0.100	1615315	0.02000	0.022	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
7.210	7.310	-0.100	3993766	0.02000	0.023	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.601	9.741	-0.140	3218248	0.02000	0.022	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	3348059	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	3212072	0.02000	0.021	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.504	10.644	-0.140	6463534	0.04000	0.042	80.00- 120.00	100.00
23 Endosulfan II					CAS #: 33213-65-9		
11.809	11.949	-0.140	5469935	0.04000	0.043	80.00- 120.00	100.00
26 Endrin aldehyde					CAS #: 7421-93-4		
12.841	12.981	-0.140	3759832	0.04000	0.040	80.00- 120.00	100.00
27 Endosulfan sulfate					CAS #: 1031-07-8		
14.937	15.077	-0.140	4770830	0.04000	0.043	80.00- 120.00	100.00
29 Endrin ketone					CAS #: 53494-70-5		
16.642	16.782	-0.140	5111543	0.04000	0.042	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	2709180	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	4207968	0.04000	0.043	80.00- 120.00	100.00

Data File: /chem/cam/gcs/a2hp4.i/0100410.b/035f3301.d
Date : 04-OCT-2000 08:31
Client ID: INDBH2
Sample Info: INDBH2 C619
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



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SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/036f3401.d
Lab Smp Id: c619 Client Smp ID: INDAM2
Inj Date : 04-OCT-2000 09:03
Operator : 1808 Inst ID: a2hp4.i
Smp Info : AM
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 23:22 Cal File: 018f1601.d
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	2933031	0.02000	0.020	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
7.261	7.362	-0.101	4612570	0.02000	0.023	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
8.129	8.229	-0.100	4073953	0.02000	0.025	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
9.100	9.200	-0.100	3031758	0.02000	0.022	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.875	12.015	-0.140	3045182	0.02000	0.024	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
12.517	12.657	-0.140	6794303	0.04000	0.046	80.00- 120.00	100.00(M)
20 Endrin					CAS #: 72-20-8		
13.521	13.661	-0.140	5392737	0.04000	0.046	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
14.803	14.943	-0.140	4724591	0.04000	0.046	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
17.009	17.149	-0.140	4202533	0.04000	0.043	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
21.065	21.205	-0.140	9666789	0.20000	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.612	25.812	-0.200	3970478	0.04000	0.042	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/can/gcs/a2hp4.i/010041o-r.b/036f3401.d

Date : 04-OCT-2000 09:03

Client ID: INDAM2

Sample Info: AM

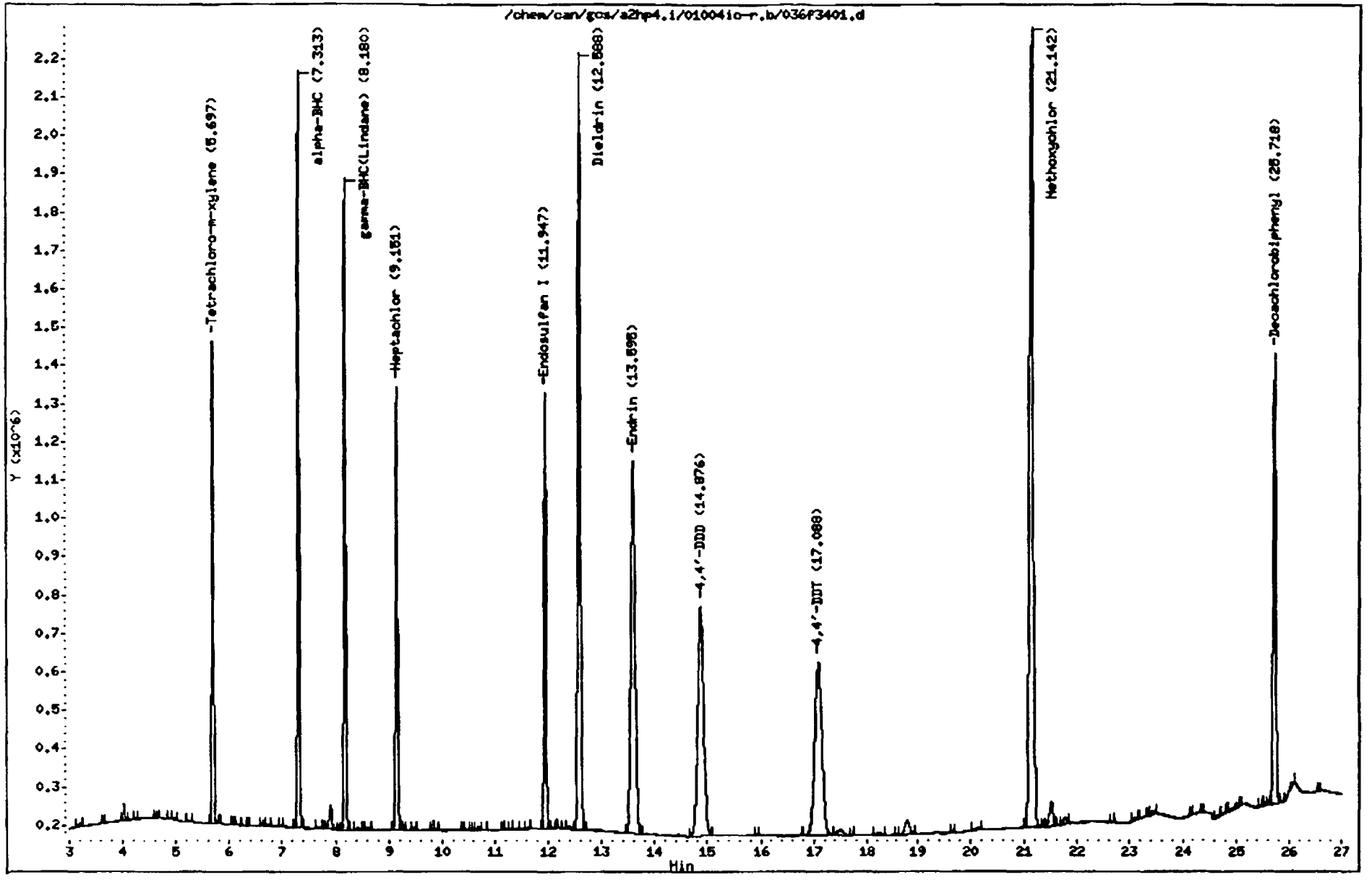
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

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/01004ic-r.b/035f3301.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 04-OCT-2000 08:31
Operator : 1808 Inst ID: a2hp4.i
Smp Info : INDBM2 C619
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 23:22 Cal File: 018f1601.d
Als bottle: 35 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

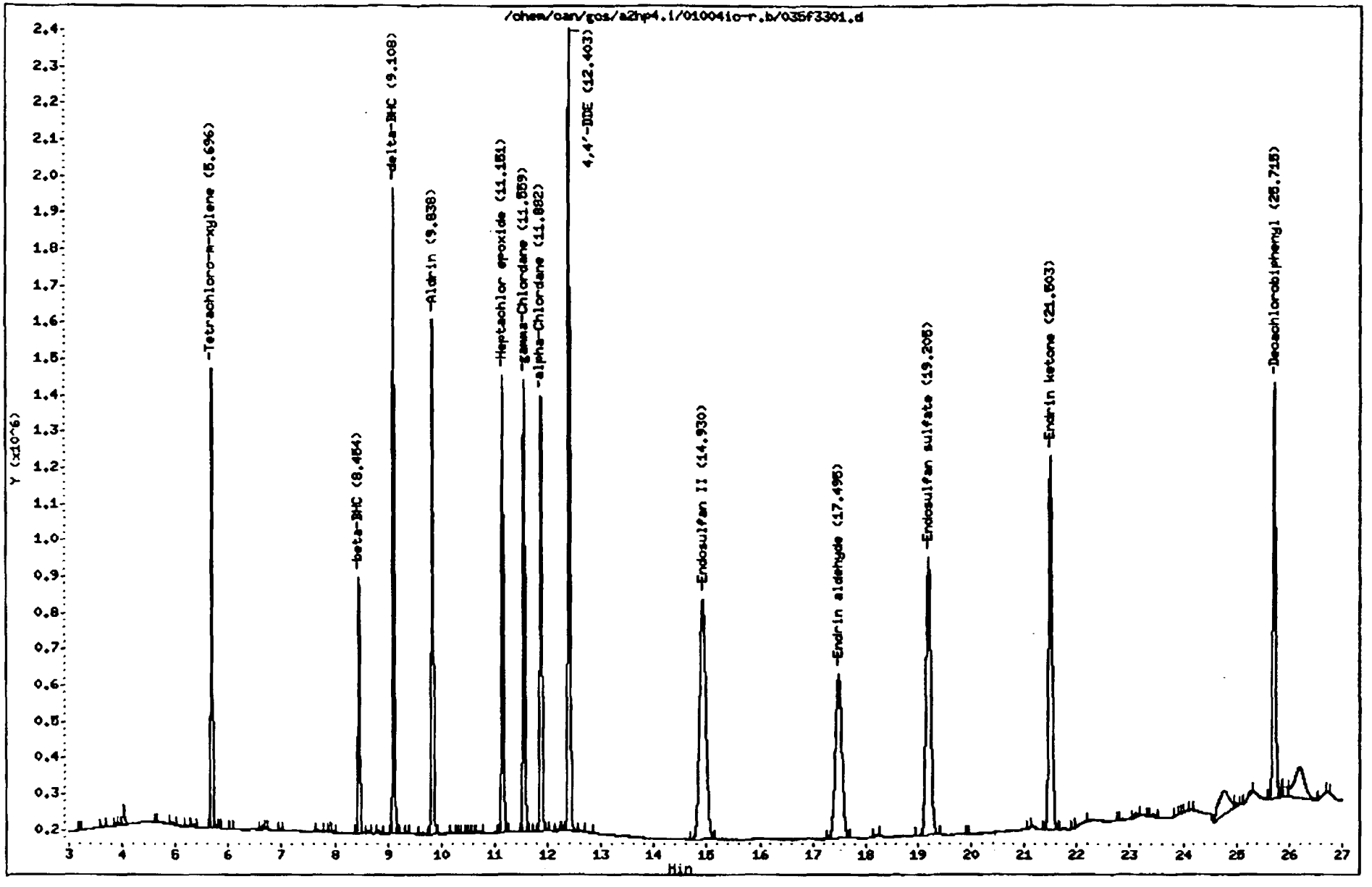
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.786	9.886	-0.100	3769854	0.02000	0.021	80.00- 120.00	100.00
7 beta-BHC					CAS #: 319-85-7		
8.402	8.502	-0.100	1699271	0.02000	0.022	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
9.057	9.157	-0.100	4160407	0.02000	0.023	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.080	11.220	-0.140	3328432	0.02000	0.022	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	3332622	0.02000	0.022	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	3240876	0.02000	0.021	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
12.330	12.470	-0.140	6533266	0.04000	0.042	80.00- 120.00	100.00
21 Endosulfan II					CAS #: 33213-65-9		
14.854	14.994	-0.140	5461331	0.04000	0.044	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
17.418	17.558	-0.140	3844146	0.04000	0.041	80.00- 120.00	100.00
25 Endosulfan sulfate					CAS #: 1031-07-8		
19.131	19.271	-0.140	4835213	0.04000	0.043	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
21.431	21.571	-0.140	4788998	0.04000	0.042	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	2918542	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.612	25.812	-0.200	3932791	0.04000	0.044	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/01004ic-r.b/035f3301.d
Date : 04-OCT-2000 08:31
Client ID: INDBM2
Sample Info: INDBM2 C619
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i
Operator: 1908
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/037f3701.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 13-OCT-2000 12:54
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDAM2
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: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

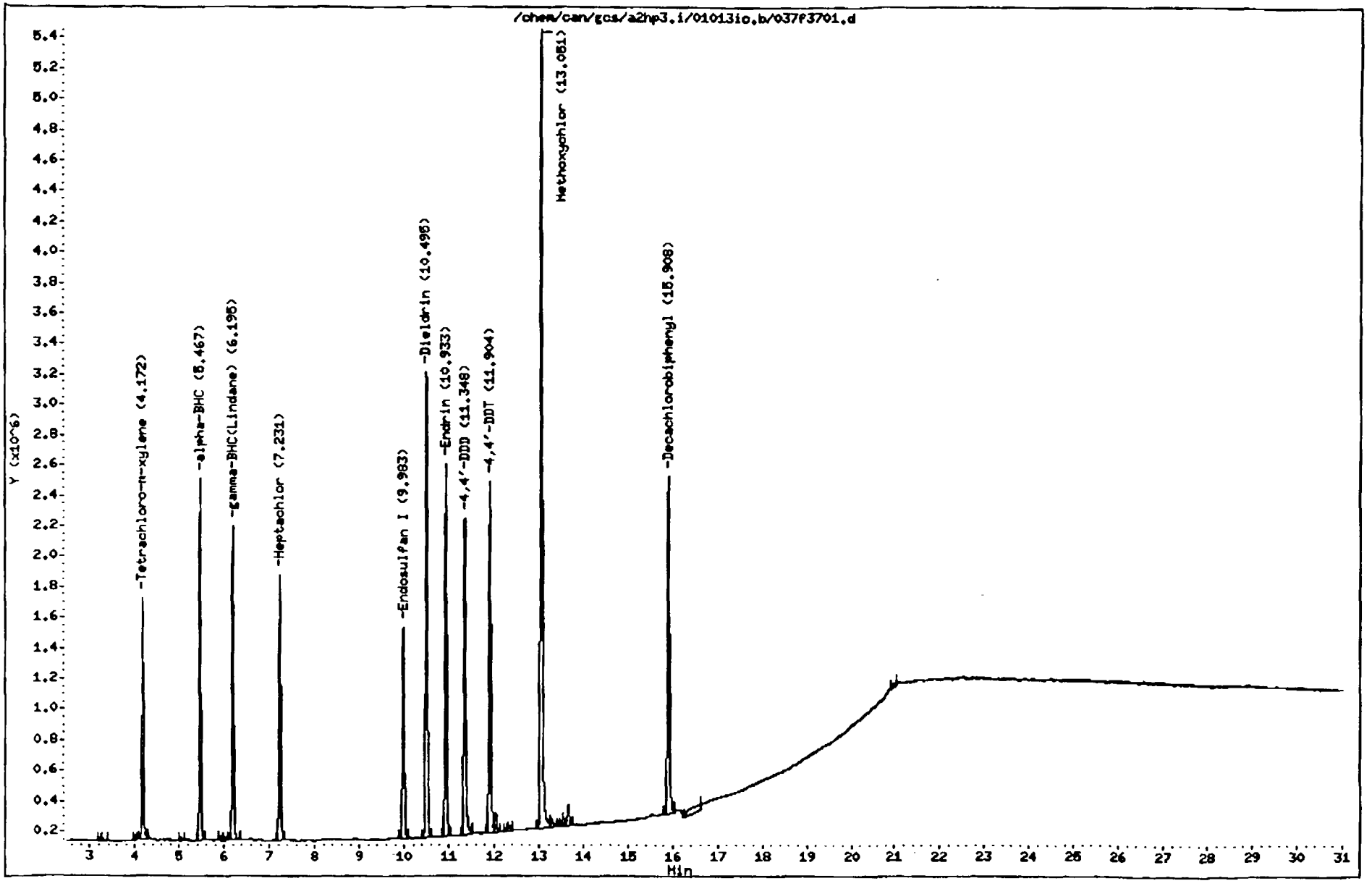
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	3830516	0.02000	0.020	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.418	5.518	-0.100	5905857	0.02000	0.021	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.145	6.245	-0.100	5287823	0.02000	0.021	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.182	7.282	-0.100	4838787	0.02000	0.022	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
9.914	10.054	-0.140	3959633	0.02000	0.021	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.427	10.567	-0.140	8674707	0.04000	0.042	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
10.863	11.003	-0.140	6927431	0.04000	0.042	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.279	11.419	-0.140	6461264	0.04000	0.042	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.834	11.974	-0.140	6869188	0.04000	0.045	80.00- 120.00	100.00
28 Methoxychlor					CAS #: 72-43-5		
12.981	13.121	-0.140	16699318	0.20000	0.22	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	6858551	0.04000	0.044	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic.b/037f3701.d
Date : 13-OCT-2000 12:54
Client ID: INDAH2
Sample Info: INDAH2
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.b/038f3801.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 13-OCT-2000 13:31
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDBM2
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: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

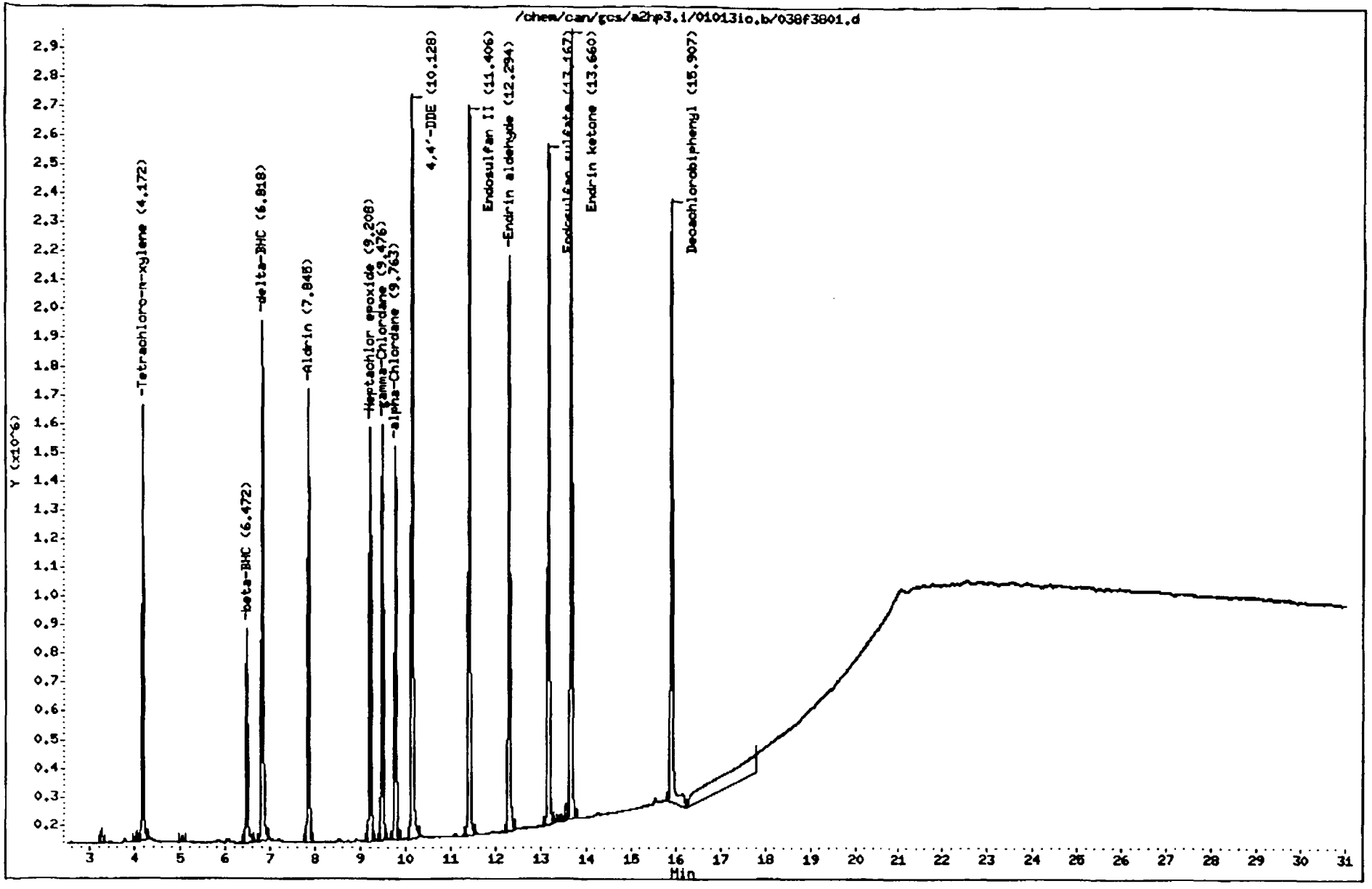
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.795	7.895	-0.100	4460386	0.02000	0.020	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.422	6.522	-0.100	2149785	0.02000	0.021	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
6.769	6.869	-0.100	4998816	0.02000	0.021	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.139	9.279	-0.140	4087163	0.02000	0.020	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.407	9.547	-0.140	4163327	0.02000	0.020	80.00- 120.00	100.00

	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
	17 alpha-Chlordane					CAS #: 5103-71-9		
	9.691	9.831	-0.140	3968361	0.02000	0.020	80.00- 120.00	100.00
	18 4,4'-DDE					CAS #: 72-55-9		
	10.058	10.198	-0.140	7939690	0.04000	0.040	80.00- 120.00	100.00
	23 Endosulfan II					CAS #: 33213-65-9		
	11.335	11.475	-0.140	7474740	0.04000	0.040	80.00- 120.00	100.00
	26 Endrin aldehyde					CAS #: 7421-93-4		
	12.223	12.363	-0.140	5957332	0.04000	0.041	80.00- 120.00	100.00
	27 Endosulfan sulfate					CAS #: 1031-07-8		
	13.095	13.235	-0.140	6900037	0.04000	0.042	80.00- 120.00	100.00
	29 Endrin ketone					CAS #: 53494-70-5		
	13.590	13.730	-0.140	7937719	0.04000	0.042	80.00- 120.00	100.00
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	4.122	4.222	-0.100	3696338	0.02000	0.020	80.00- 120.00	100.00
$	30 Decachlorobiphenyl					CAS #: 2051-24-3		
	15.808	16.008	-0.200	7006980	0.04000	0.044	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131o.b/038f3801.d
Date : 13-OCT-2000 13:31
Client ID: INDBH2
Sample Info: INDBH2
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/037f3701.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 13-OCT-2000 12:54
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDAM2
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: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

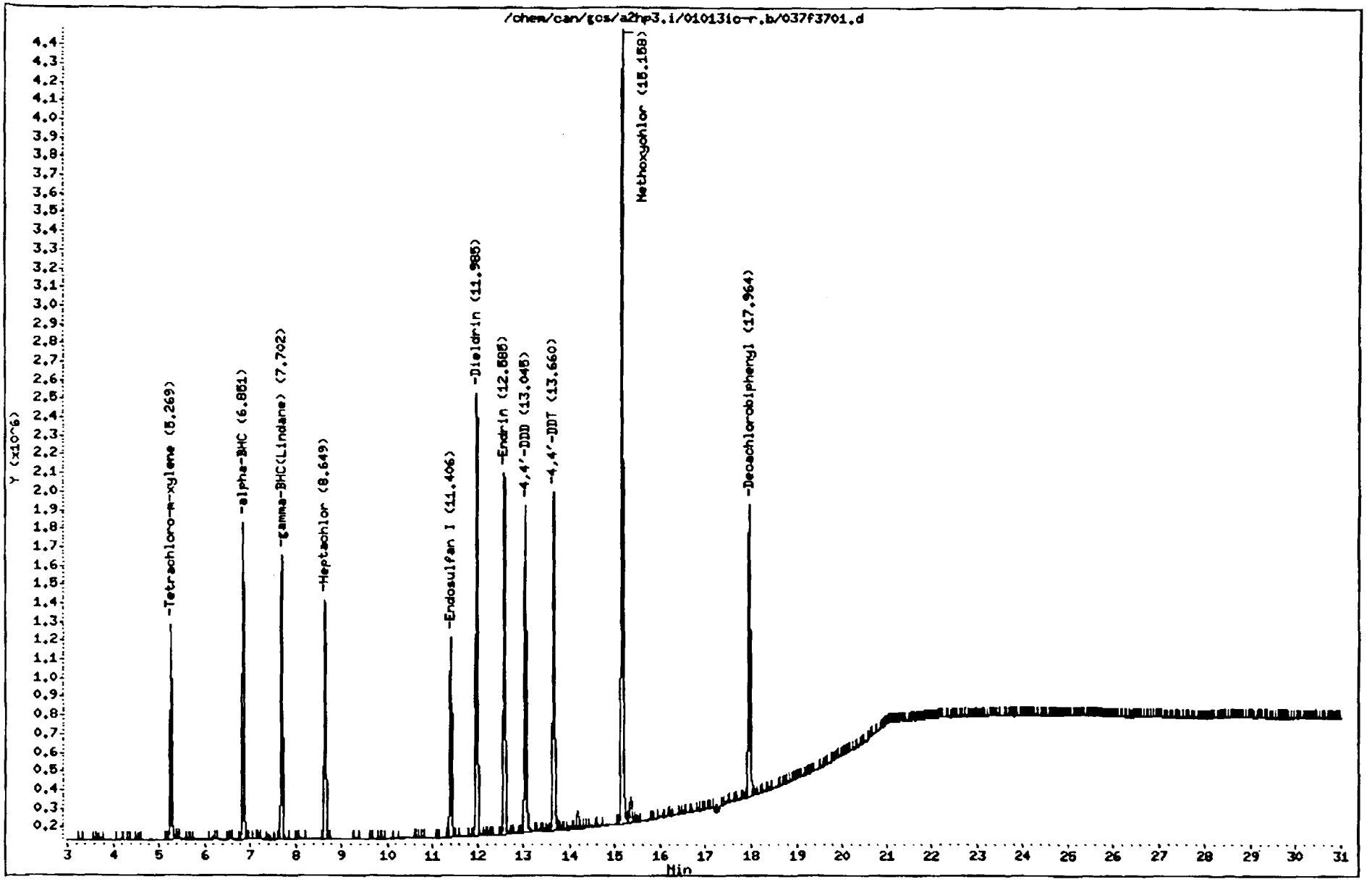
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2933293	0.02000	0.021	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
6.802	6.902	-0.100	4323744	0.02000	0.021	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.653	7.753	-0.100	3948825	0.02000	0.021	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.601	8.701	-0.100	3617766	0.02000	0.022	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.338	11.478	-0.140	3088346	0.02000	0.021	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.916	12.056	-0.140	6798250	0.04000	0.042	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.518	12.658	-0.140	5582386	0.04000	0.042	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.977	13.117	-0.140	5128910	0.04000	0.043	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
13.591	13.731	-0.140	5261109	0.04000	0.047	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
15.089	15.229	-0.140	12553393	0.20000	0.23	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	4729100	0.04000	0.043	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131c-r.b/037f3701.d
Date : 13-OCT-2000 12:54
Client ID: INDAM2
Sample Info: INDAM2
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/01013ic-r.b/038f3801.d
Lab Smp Id: C619 Client Smp ID: INDBM2
Inj Date : 13-OCT-2000 13:31
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDBM2
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: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

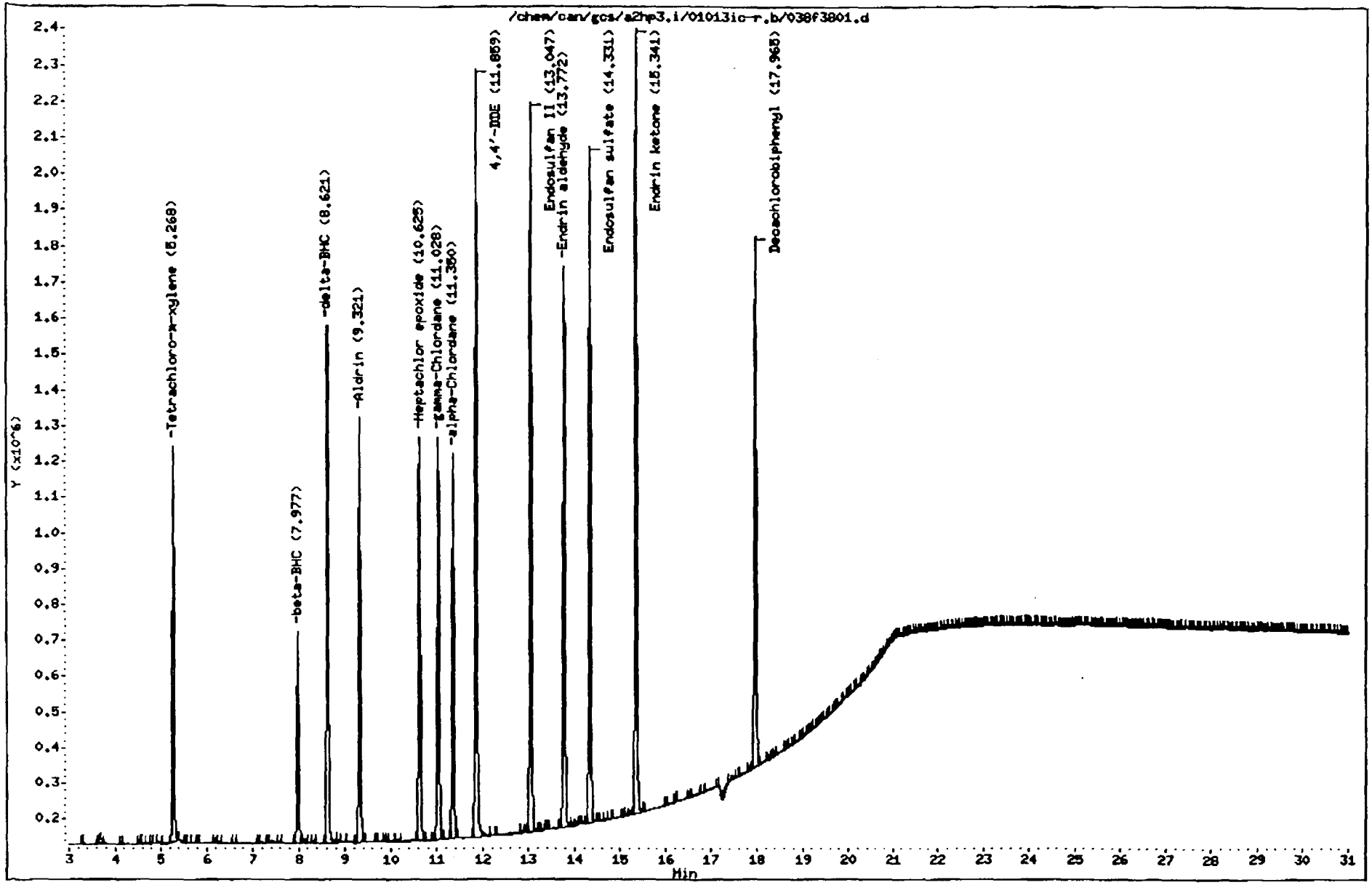
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.272	9.372	-0.100	3436877	0.02000	0.020	80.00- 120.00	100.00
7 beta-BHC					CAS #: 319-85-7		
7.929	8.029	-0.100	1624202	0.02000	0.020	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
8.572	8.672	-0.100	3895466	0.02000	0.021	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.557	10.697	-0.140	3220908	0.02000	0.020	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
10.960	11.100	-0.140	3257776	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.379	11.419	-0.140	3117227	0.02000	0.020	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
11.791	11.931	-0.140	6359477	0.04000	0.041	80.00- 120.00	100.00
21 Endosulfan II					CAS #: 33213-65-9		
12.978	13.118	-0.140	5826094	0.04000	0.041	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
13.702	13.842	-0.140	4578349	0.04000	0.040	80.00- 120.00	100.00
25 Endosulfan sulfate					CAS #: 1031-07-8		
14.262	14.402	-0.140	5393811	0.04000	0.042	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
15.271	15.411	-0.140	6397749	0.04000	0.044	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2829478	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	4458710	0.04000	0.040	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/038f3801.d
Date : 13-OCT-2000 13:31
Client ID: INDBM2
Sample Info: INDBM2
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/025f2501.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 18-OCT-2000 09:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : AM
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: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

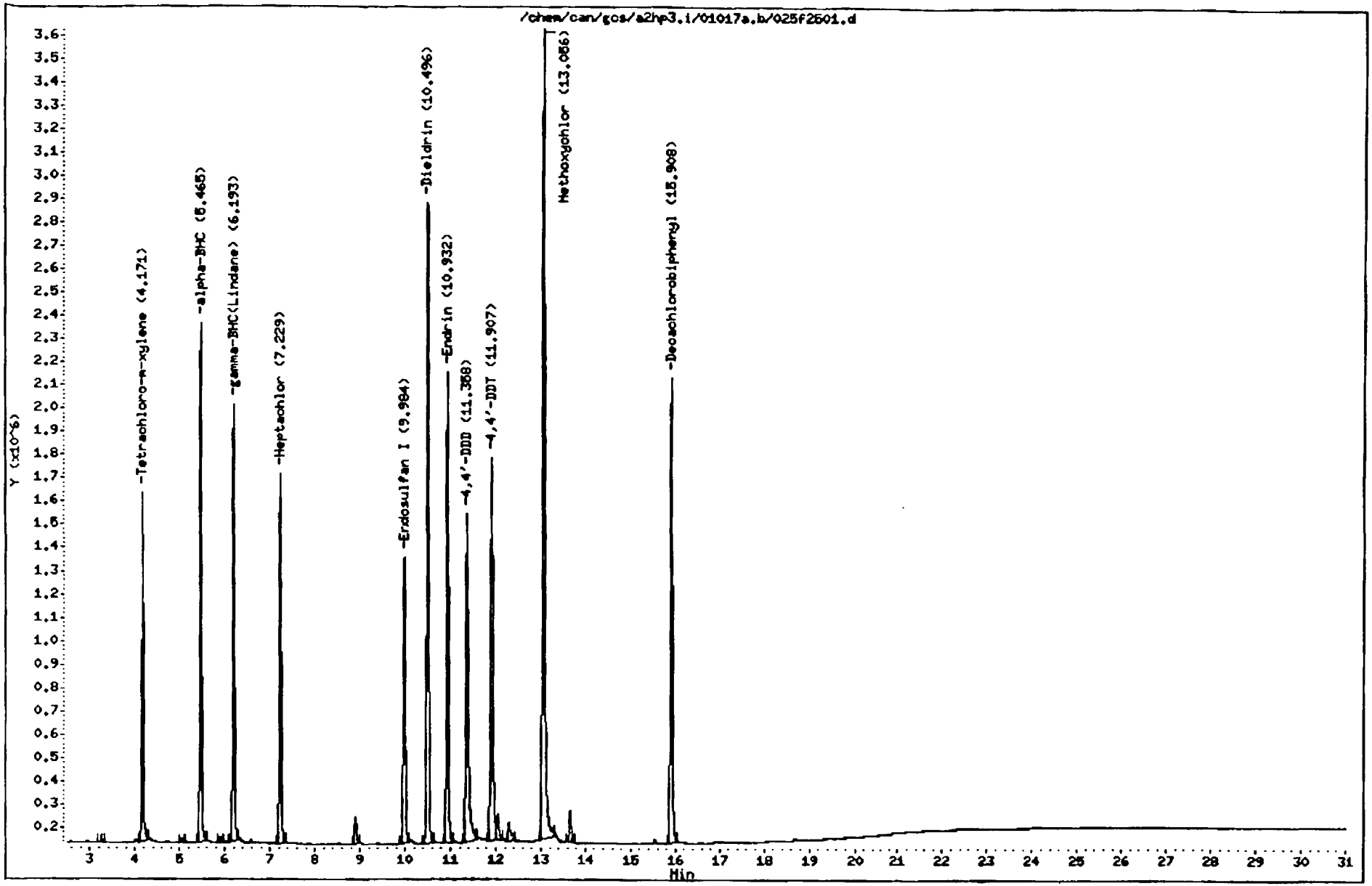
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3748721	0.02000	0.021	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.416	5.516	-0.100	3691802	0.02000	0.021	80.00- 120.00	100.00
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.143	6.243	-0.100	4985249	0.02000	0.021	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.180	7.280	-0.100	4491299	0.02000	0.021	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
9.913	10.053	-0.140	3686472	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
19 Dieldrin					CAS #: 60-57-1		
10.425	10.565	-0.140	8007742	0.04000	0.041	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
10.862	11.002	-0.140	5903979	0.04000	0.040	80.00- 120.00	100.00
24 4,4'-DDD					CAS #: 72-54-8		
11.286	11.426	-0.140	5592929	0.04000	0.041	80.00- 120.00	100.00
25 4,4'-DDT					CAS #: 50-29-3		
11.837	11.977	-0.140	5444093	0.04000	0.039	80.00- 120.00	100.00
28 Methoxychlor					CAS #: 72-43-5		
12.985	13.125	-0.140	12434726	0.20000	0.19	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	6386447	0.04000	0.042	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a.b/025f2501.d
Date : 18-OCT-2000 09:03
Client ID: INDAM2
Sample Info: AM
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/01017a.b/024f2401.d
Lab Smp Id: INDBM2 C619 Client Smp ID: INDBM2
Inj Date : 18-OCT-2000 08:26
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDBM2 C619
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: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 9-INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

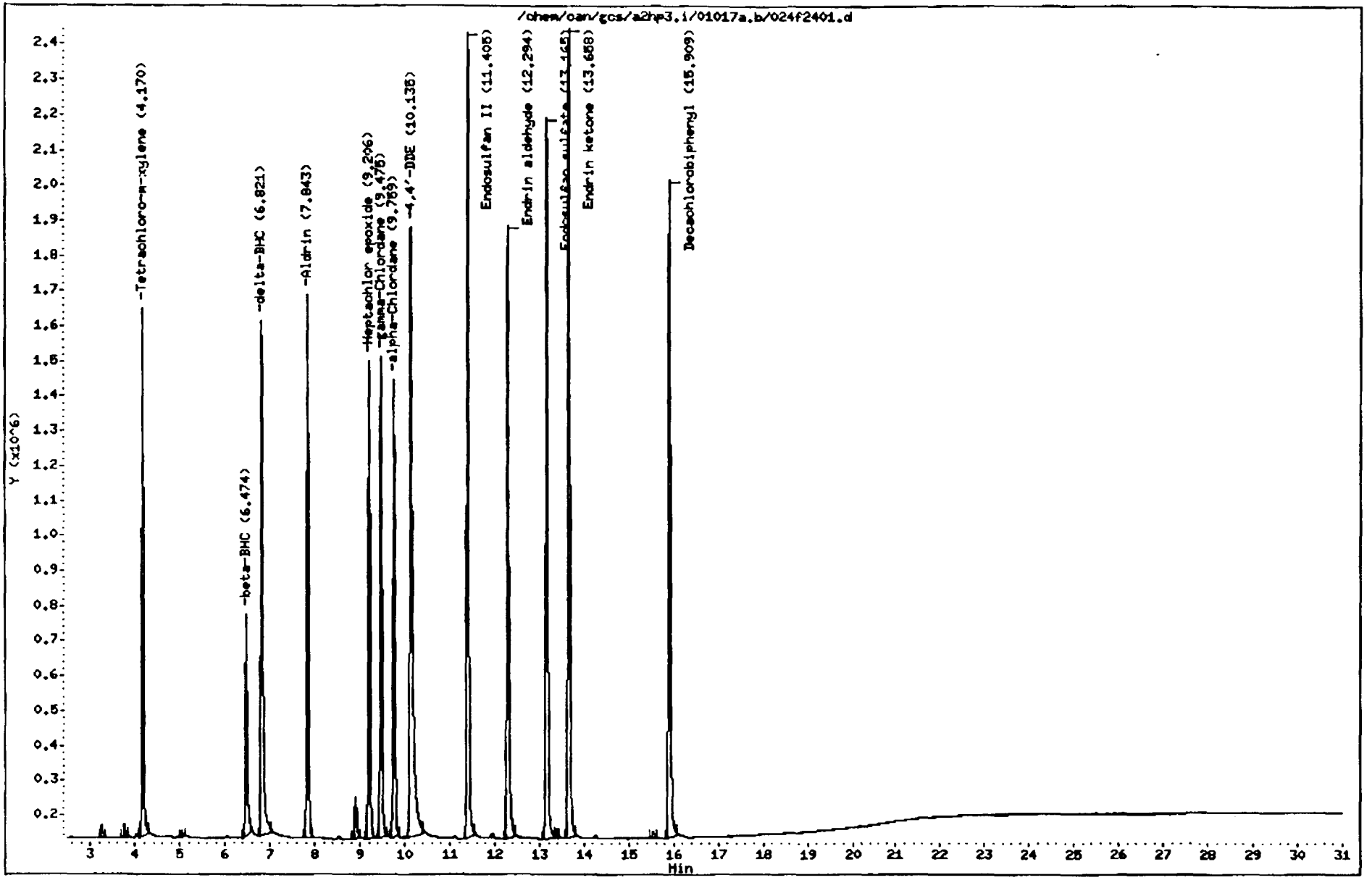
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aldrin					CAS #: 309-00-2		
7.793	7.893	-0.100	4433872	0.02000	0.021	80.00- 120.00	100.00
12 beta-BHC					CAS #: 319-85-7		
6.423	6.523	-0.100	1984101	0.02000	0.021	80.00- 120.00	100.00
13 delta-BHC					CAS #: 319-86-8		
6.770	6.870	-0.100	4745387	0.02000	0.022	80.00- 120.00	100.00
14 Heptachlor epoxide					CAS #: 1024-57-3		
9.137	9.277	-0.140	3979519	0.02000	0.021	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.405	9.545	-0.140	4081674	0.02000	0.021	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
9.690	9.830	-0.140	3892368	0.02000	0.021	80.00- 120.00	100.00
18 4,4'-DDE					CAS #: 72-55-9		
10.062	10.202	-0.140	7314787	0.04000	0.041	80.00- 120.00	100.00
23 Endosulfan II					CAS #: 33213-65-9		
11.334	11.474	-0.140	7049797	0.04000	0.041	80.00- 120.00	100.00
26 Endrin aldehyde					CAS #: 7421-93-4		
12.225	12.365	-0.140	5551361	0.04000	0.041	80.00- 120.00	100.00
27 Endosulfan sulfate					CAS #: 1031-07-8		
13.093	13.233	-0.140	5363580	0.04000	0.040	80.00- 120.00	100.00
29 Endrin ketone					CAS #: 53494-70-5		
13.589	13.729	-0.140	7094166	0.04000	0.041	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3754904	0.02000	0.021	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	6167643	0.04000	0.041	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a.b/024f2401.d
Date : 18-OCT-2000 08:26
Client ID: INDBM2
Sample Info: INDBM2 C619
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/01017a-r.b/025f2501.d
Lab Smp Id: C618 Client Smp ID: INDAM2
Inj Date : 18-OCT-2000 09:03
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDAM2
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: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8-INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

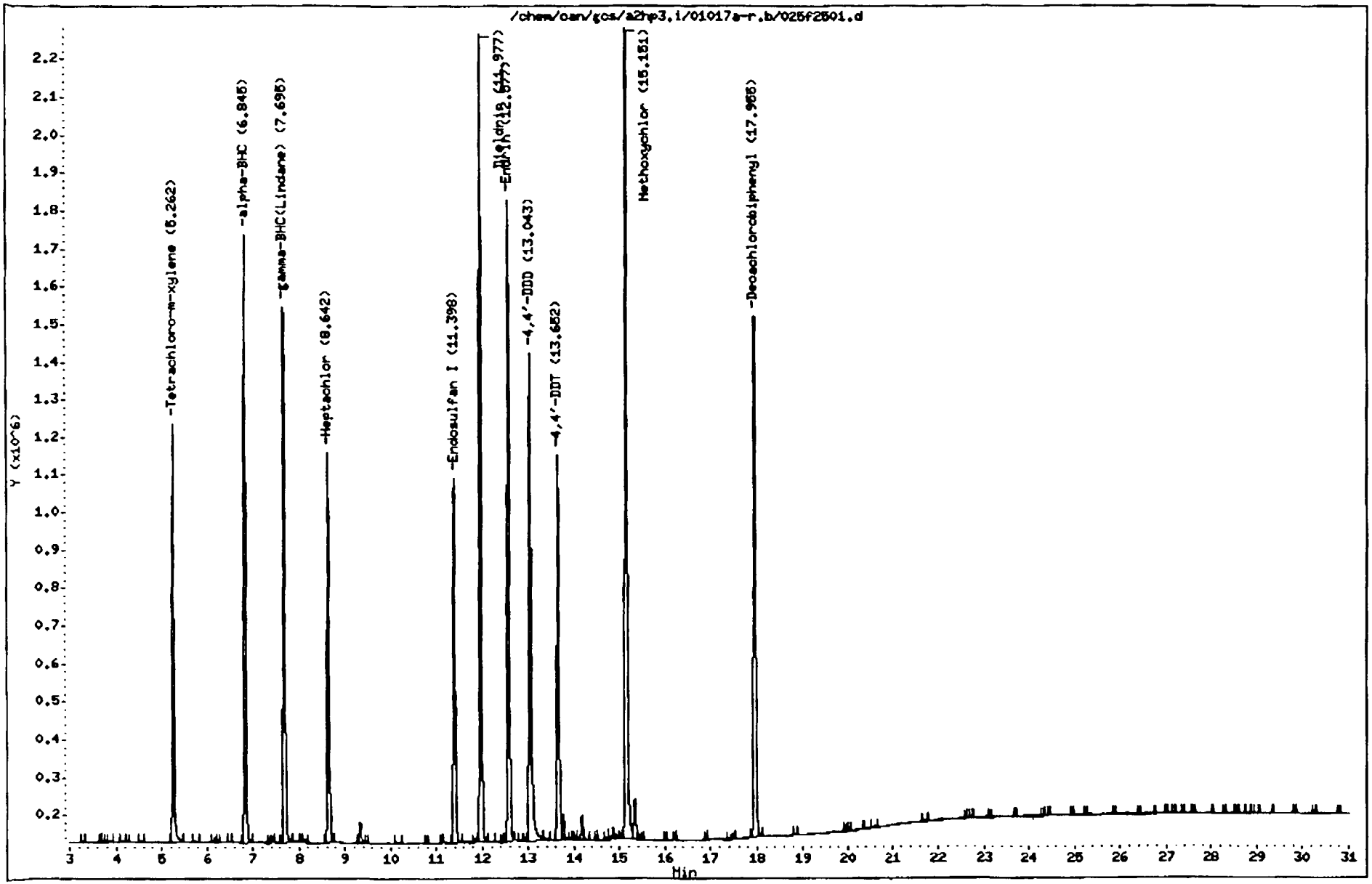
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2925145	0.02000	0.020	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
6.797	6.897	-0.100	4186988	0.02000	0.020	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.648	7.748	-0.100	3769671	0.02000	0.020	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.596	8.696	-0.100	2969450	0.02000	0.018	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
11.331	11.471	-0.140	2844536	0.02000	0.019	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.911	12.051	-0.140	6234904	0.04000	0.038	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.511	12.651	-0.140	4862912	0.04000	0.038	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.975	13.115	-0.140	4357956	0.04000	0.038	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
13.586	13.726	-0.140	3127602	0.04000	0.030	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
15.085	15.225	-0.140	5769510	0.20000	0.14	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	4345312	0.04000	0.040	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/026f2501.d
Date : 18-OCT-2000 09:03
Client ID: INDAH2
Sample Info: INDAH2
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-r.b/024f2401.d
Lab Smp Id: INDBM2 C619 Client Smp ID: INDBM2
Inj Date : 18-OCT-2000 08:26
Operator : 001754 Inst ID: a2hp3.i
Smp Info : INDBM2 C619
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: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 9-INDB.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

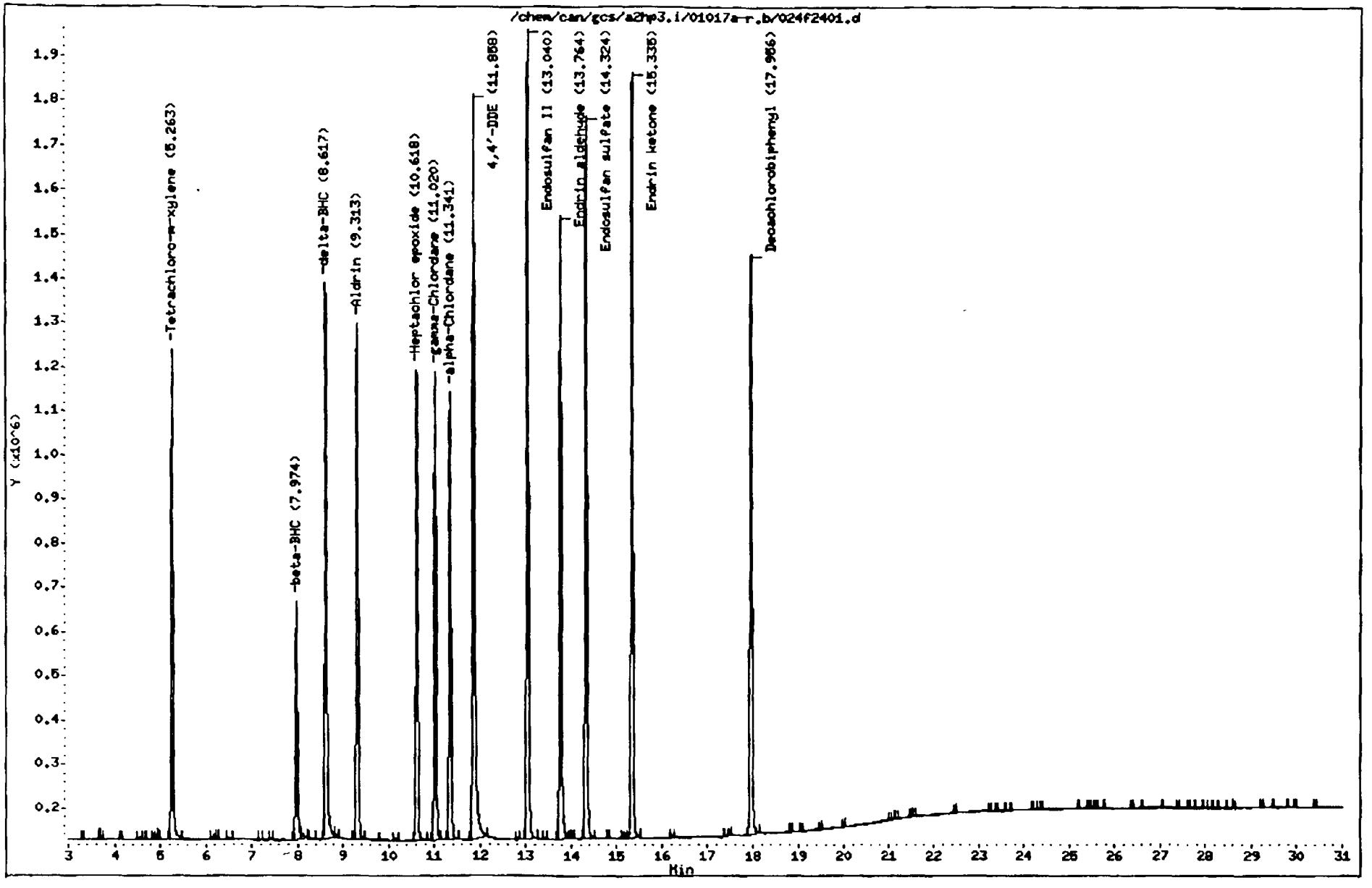
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
12 Aldrin					CAS #: 309-00-2		
9.267	9.367	-0.100	3436526	0.02000	0.020	80.00- 120.00	100.00
7 beta-BHC					CAS #: 319-85-7		
7.927	8.027	-0.100	1599957	0.02000	0.020	80.00- 120.00	100.00
9 delta-BHC					CAS #: 319-86-8		
8.569	8.669	-0.100	3705332	0.02000	0.020	80.00- 120.00	100.00
13 Heptachlor epoxide					CAS #: 1024-57-3		
10.590	10.690	-0.140	3088768	0.02000	0.020	80.00- 120.00	100.00
14 gamma-Chlordane					CAS #: 5103-74-2		
10.953	11.093	-0.140	3126173	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
11.273	11.413	-0.140	3008574	0.02000	0.020	80.00- 120.00	100.00
19 4,4'-DDE					CAS #: 72-55-9		
11.789	11.929	-0.140	5865648	0.04000	0.039	80.00- 120.00	100.00
21 Endosulfan II					CAS #: 33213-65-9		
12.971	13.111	-0.140	5388245	0.04000	0.038	80.00- 120.00	100.00
24 Endrin aldehyde					CAS #: 7421-93-4		
13.696	13.836	-0.140	4292060	0.04000	0.038	80.00- 120.00	100.00
25 Endosulfan sulfate					CAS #: 1031-07-8		
14.257	14.397	-0.140	4858161	0.04000	0.038	80.00- 120.00	100.00
28 Endrin ketone					CAS #: 53494-70-5		
15.266	15.406	-0.140	5123156	0.04000	0.036	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2934075	0.02000	0.020	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	4201137	0.04000	0.039	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/024f2401.d
Date : 18-OCT-2000 08:26
Client ID: INDBM2
Sample Info: INDBM2 C619
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i
Operator: 001784
Column diameter: 0.53



QUANTERRA-NORTH CANTON

Data file : /chem/can/gcs/a2hp1.i/f1339467.b/057f5701.d
Lab Smp Id: FLOR4 Client Smp ID: FLOR LOT 339467
Inj Date : 16-SEP-1999 21:06
Operator : Kuster Inst ID: a2hp1.i
Smp Info : FLOR4
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp1.i/f1339467.b/clp18b.m
Meth Date : 11-Nov-1999 12:25 dempstes Quant Type: ESTD
Cal Date : 24-MAR-1999 02:24 Cal File: 003r0101.d
Als bottle: 57 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flor.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #:		
4.886	4.986	-0.100	36659238	0.00863	8.6	80.00- 120.00	100.00
31 2,4,5-Trichlorophenol					CAS #:		
2.434	2.534	-0.100	8908368	0.00118	1.2	80.00- 120.00	100.00(a)
3 alpha-BHC					CAS #: 319-84-6		
6.450	6.550	-0.100	54426896	0.00881	8.8	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.294	7.394	-0.100	43947499	0.00811	8.1	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.243	8.343	-0.100	40035737	0.00899	9.0	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp1.i/f1339467.b/064f5401.d

Date : 16-SEP-1999 19:28

Client ID:

Sample Info: TCP 0.01

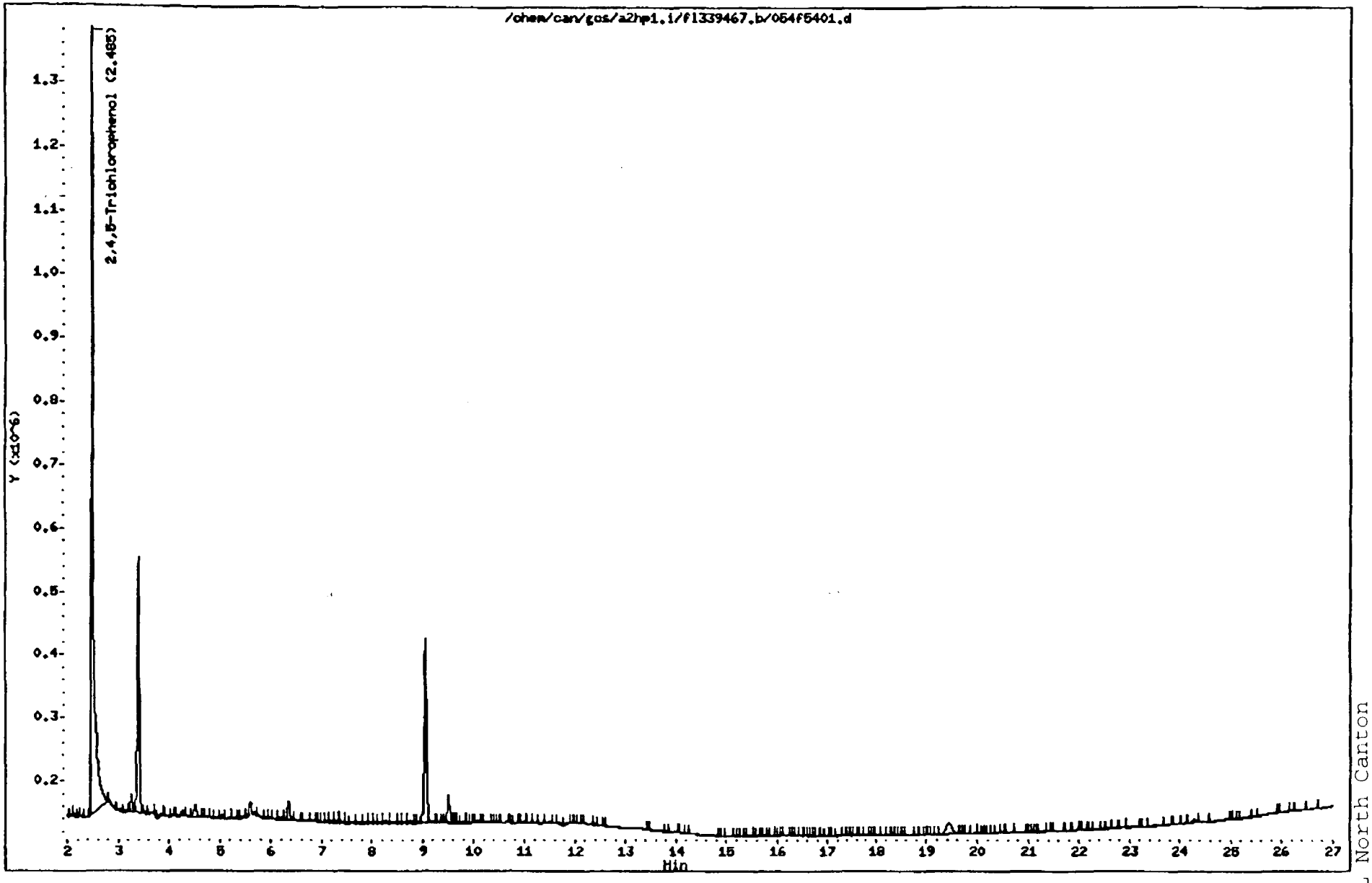
Volume Injected (uL): 1.0

Column phase: RTx-5

Instrument: a2hp1.i

Operator: Kuster

Column diameter: 0.53



QUANTERRA-NORTH CANTON

Data file : /chem/can/gcs/a2hp1.i/f1339467.b/048f4801.d
Lab Smp Id: AM Client Smp ID: INDAM
Inj Date : 16-SEP-1999 16:13
Operator : Kuster Inst ID: a2hp1.i
Smp Info : AM
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp1.i/f1339467.b/clp18b.m
Meth Date : 11-Nov-1999 12:25 dempstes Quant Type: ESTD
Cal Date : 16-FEB-1999 11:07 Cal File: 016r0101.d
Als bottle: 48 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

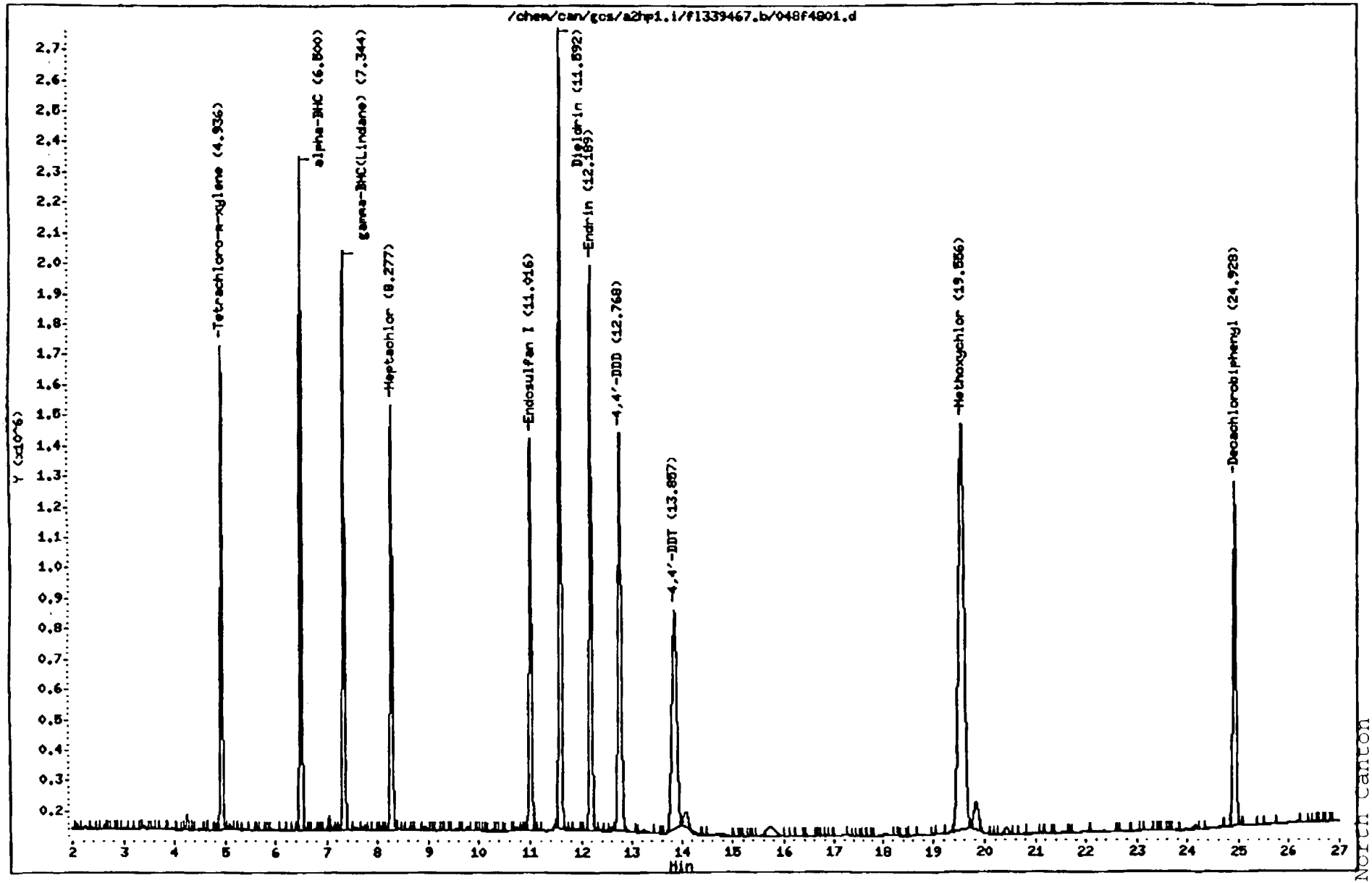
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #:		
4.886	4.986	-0.100	84956975	0.02000	0.020	80.00- 120.00	100.00
3 alpha-BHC					CAS #: 319-84-6		
6.450	6.550	-0.100	123552416	0.02000	0.020	80.00- 120.00	100.00
8 gamma-BHC(Lindane)					CAS #: 58-89-9		
7.294	7.394	-0.100	108377557	0.02000	0.020	80.00- 120.00	100.00
11 Heptachlor					CAS #: 76-44-8		
8.243	8.343	-0.100	89060868	0.02000	0.020	80.00- 120.00	100.00
15 Endosulfan I					CAS #: 959-98-8		
10.946	11.086	-0.140	83447430	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
18 Dieldrin					CAS #: 60-57-1		
11.522	11.662	-0.140	166081367	0.04000	0.040	80.00- 120.00	100.00
20 Endrin					CAS #: 72-20-8		
12.119	12.259	-0.140	122477379	0.04000	0.040	80.00- 120.00	100.00
23 4,4'-DDD					CAS #: 72-54-8		
12.698	12.838	-0.140	114176606	0.04000	0.040	80.00- 120.00	100.00
26 4,4'-DDT					CAS #: 50-29-3		
13.787	13.927	-0.140	99182820	0.04000	0.040	80.00- 120.00	100.00
29 Methoxychlor					CAS #: 72-43-5		
19.486	19.626	-0.140	208337027	0.20000	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
24.828	25.028	-0.200	90862563	0.04000	0.040	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp1.i/f1339467.b/048f4801.d
Date : 16-SEP-1999 16:13
Client ID: INDAH
Sample Info: AH
Volume Injected (uL): 1.0
Column phase: RTx-5

Instrument: a2hp1.i
Operator: Kuster
Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00906ic.b/022f2201.d
Lab Smp Id: GPCPEST 9/5
Inj Date : 07-SEP-2000 01:49
Operator : 1808 Inst ID: a2hp4.i
Smp Info : GPCPEST 9/5
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00906ic.b/clp30a.m
Meth Date : 31-Oct-2000 08:21 csadmin Quant Type: ESTD
Cal Date : 06-SEP-2000 23:40 Cal File: 018f1801.d
Als bottle: 22 QC Sample: GPCCAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: GPC.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

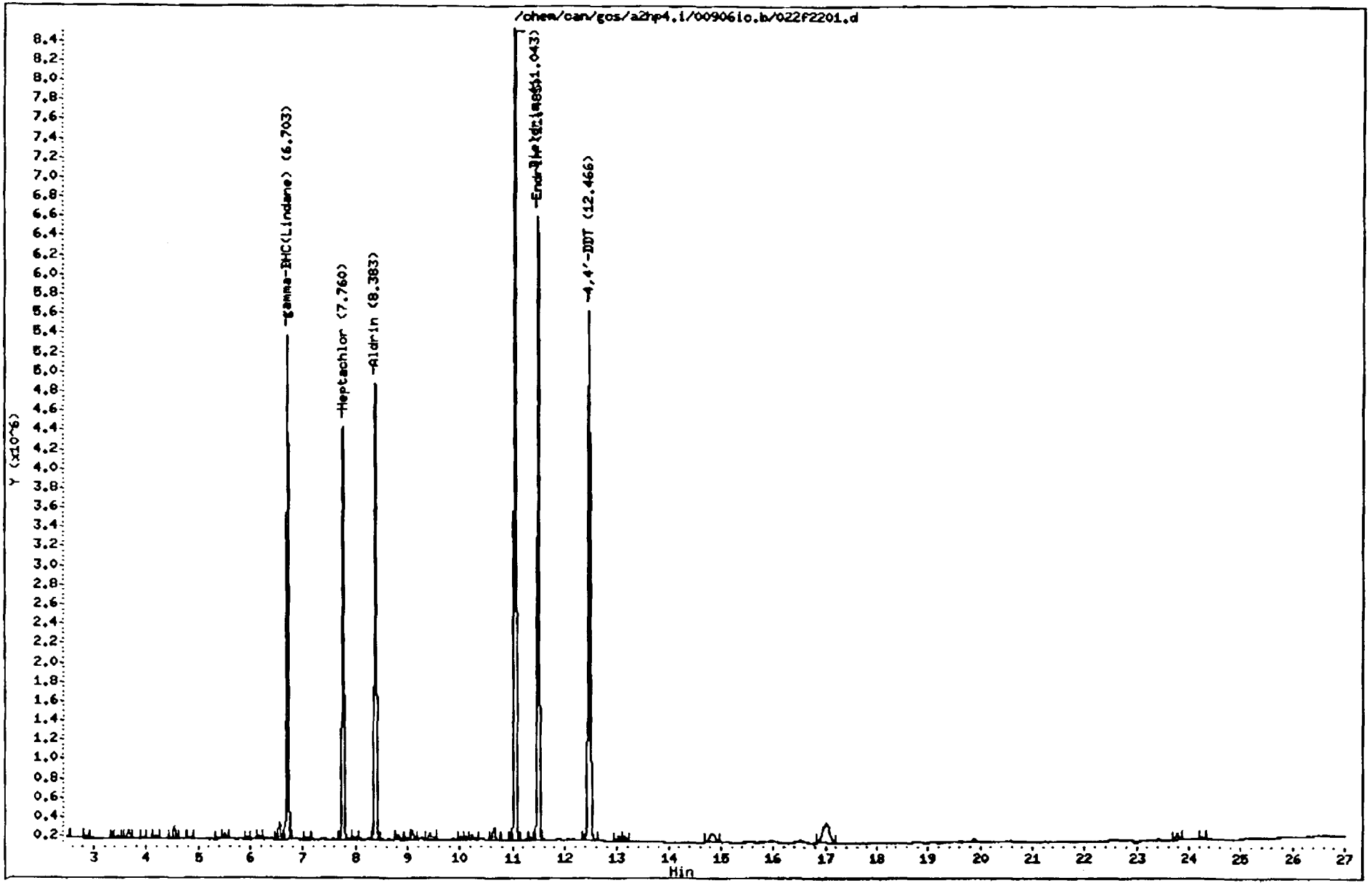
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
7 gamma-BHC(Lindane)					CAS #: 58-89-9		
6.653	6.753	-0.100	12350800	0.08744	0.44	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.710	7.810	-0.100	11105924	0.08985	0.45	80.00- 120.00	100.00
10 Aldrin					CAS #: 309-00-2		
8.333	8.433	-0.100	12335065	0.09205	0.46	80.00- 120.00	100.00
19 Dieldrin					CAS #: 60-57-1		
10.974	11.114	-0.140	22139619	0.17636	0.88	80.00- 120.00	100.00
21 Endrin					CAS #: 72-20-8		
11.415	11.555	-0.140	16979215	0.17359	0.87	80.00- 120.00	100.00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
25 4,4'-DDT					CAS #: 50-29-3		
12.398	12.538	-0.140	17107039	0.18124	0.91	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/009061c.b/022f2201.d
Date : 07-SEP-2000 01:49
Client ID:
Sample Info: GPCPEST 9/5
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/00911clp.b/037f3701.d
Lab Smp Id: GPCPCB
Inj Date : 12-SEP-2000 05:47
Operator : 1808 Inst ID: a2hp4.i
Smp Info : GPCPCB
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00911clp.b/clp30a.m
Meth Date : 05-Oct-2000 09:09 dempstes Quant Type: ESTD
Cal Date : 06-SEP-2000 23:40 Cal File: 018f1801.d
Als bottle: 37
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 6-AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
3 Aroclor-1016					CAS #: 12674-11-2		
5.504	5.644	-0.140	3313391	1.31214	13	80.00- 120.00	100.00
6.331	6.471	-0.140	6524121	1.43315	14	160.28- 200.28	196.90
7.372	7.512	-0.140	14370529	1.75533	18	304.20- 344.20	433.71
7.657	7.797	-0.140	6073970	1.64199	16	126.49- 166.49	183.32
7.789	7.929	-0.140	3735729	1.73344	17	65.34- 105.34	112.75
Average of Peak Concentrations =					16		
20 Aroclor-1260					CAS #: 11096-82-5		
10.840	10.980	-0.140	4010040	1.61990	16	80.00- 120.00	100.00
11.126	11.266	-0.140	8789102	1.64819	16	195.42- 235.42	219.18
11.700	11.840	-0.140	13584414	1.45579	14	356.95- 396.95	338.76
11.952	12.092	-0.140	5906029	1.76613	18	115.09- 155.09	147.28

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
20 Aroclor-1260 (continued)							
12.268	12.408	-0.140	16099080	1.70451	17	361.54- 401.54	401.47
Average of Peak Concentrations =					16		

$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

4.578	4.678	-0.100	447774	0.00365	0.036	80.00- 120.00	100.00

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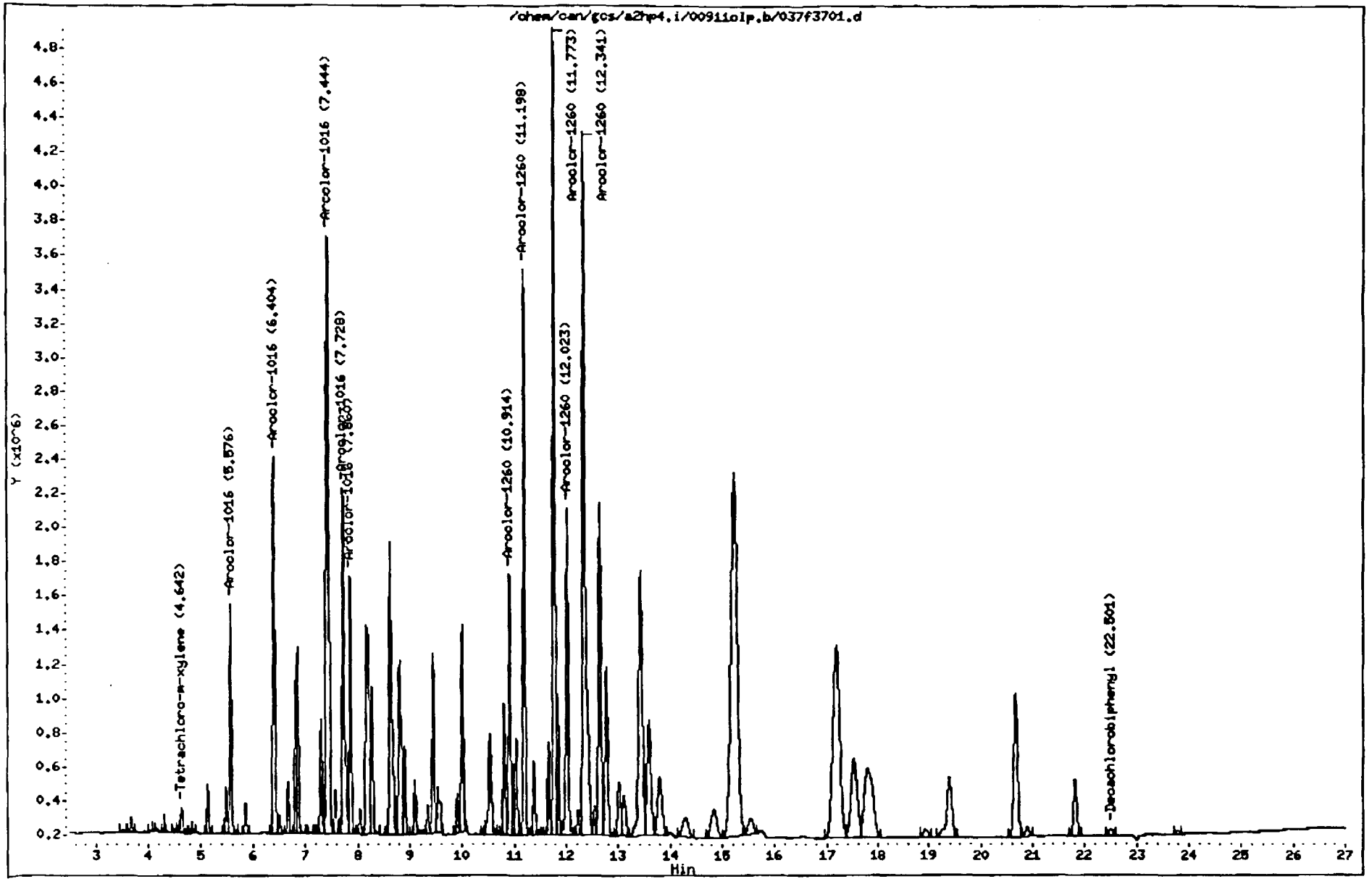
30 Decachlorobiphenyl CAS #: 2051-24-3

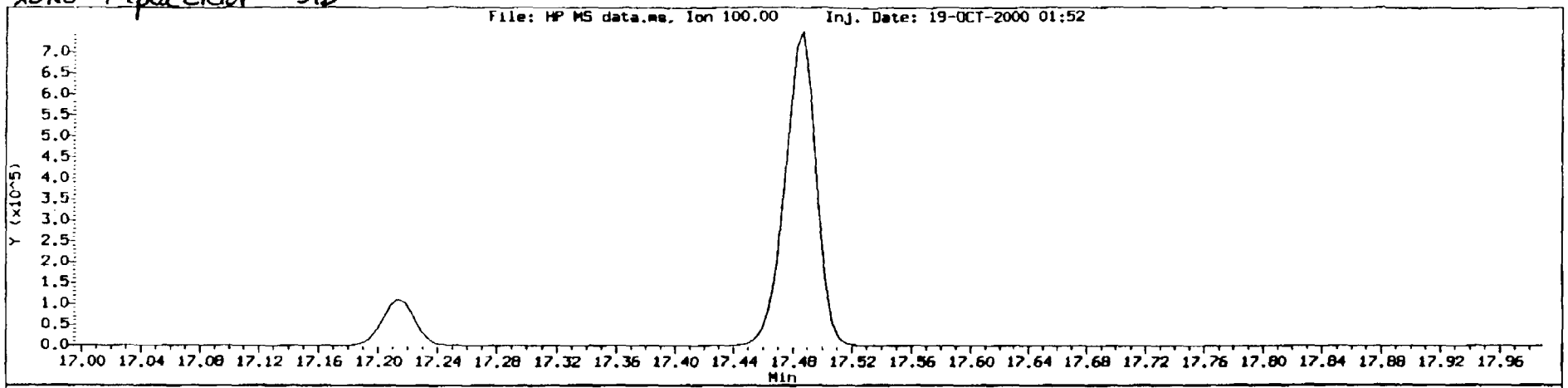
22.392	22.592	-0.200	167843	0.00166	0.017	80.00- 120.00	100.00

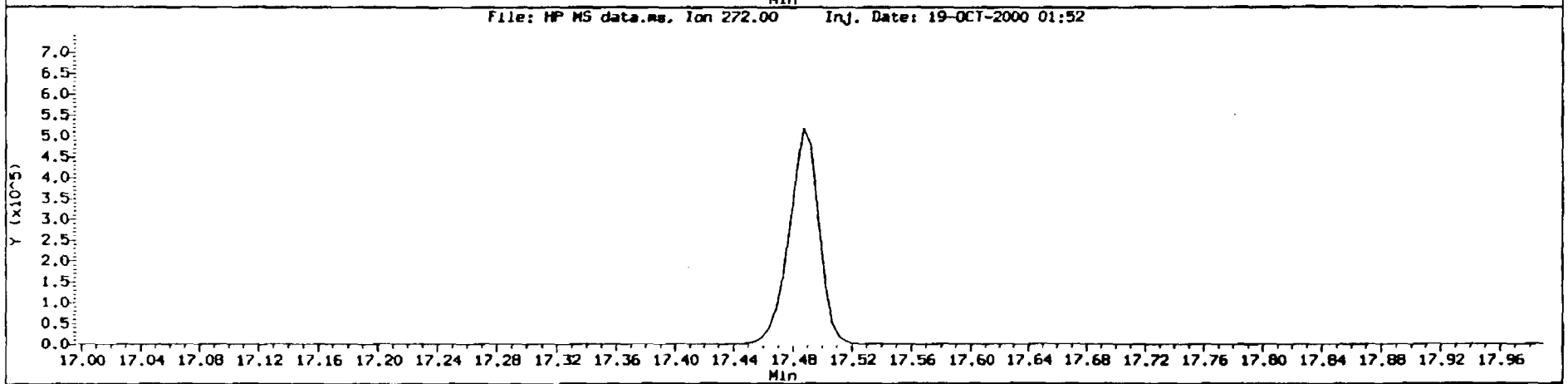
Data File: /chem/can/gcs/a2hp4.i/00911olp.b/037f3701.d
Date : 12-SEP-2000 05:47
Client ID:
Sample Info: GPCPCB
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

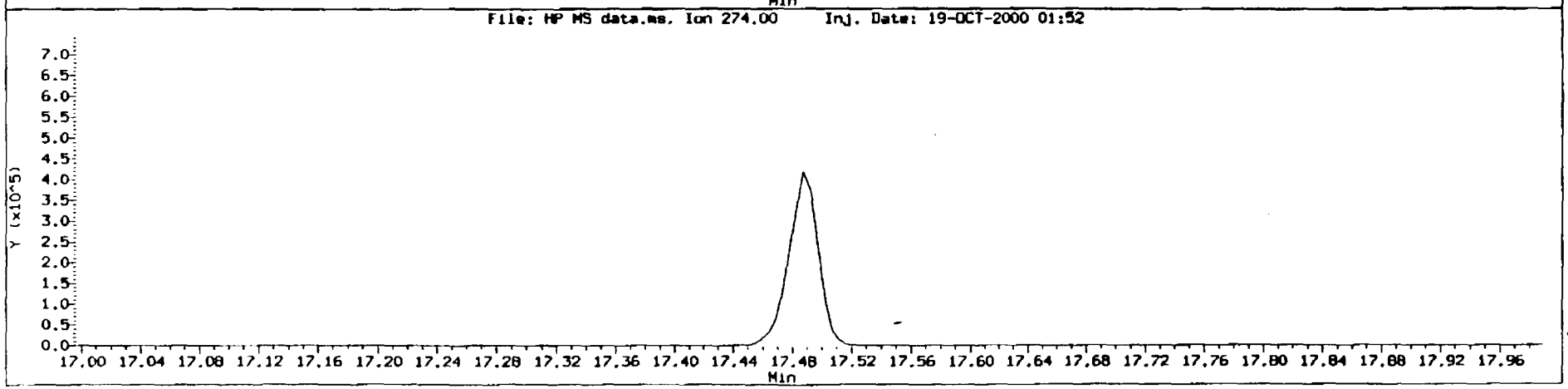
Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



20NG Heptachlor STD

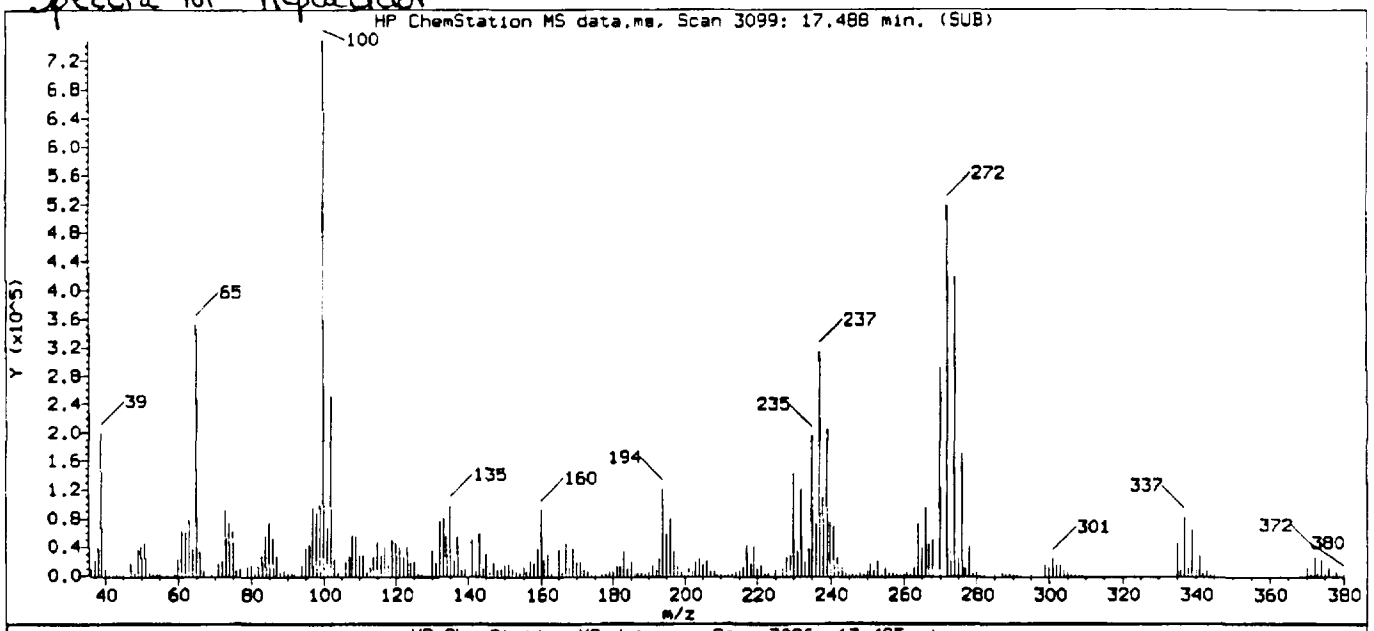


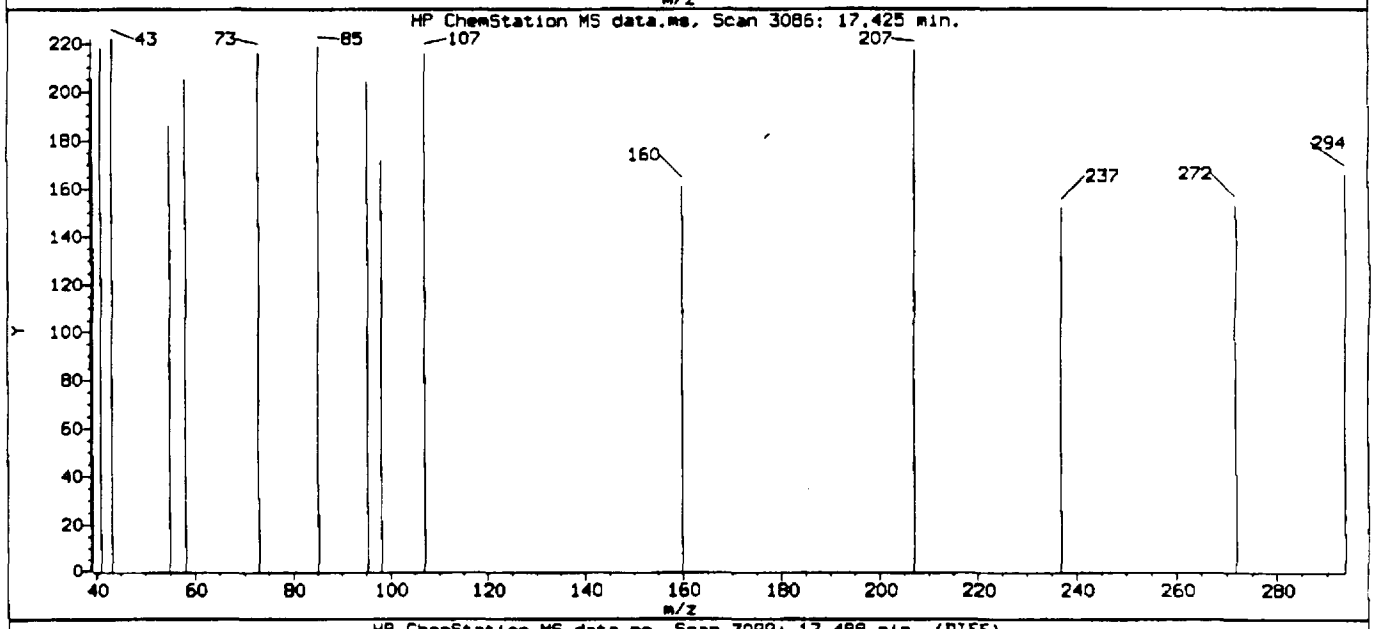


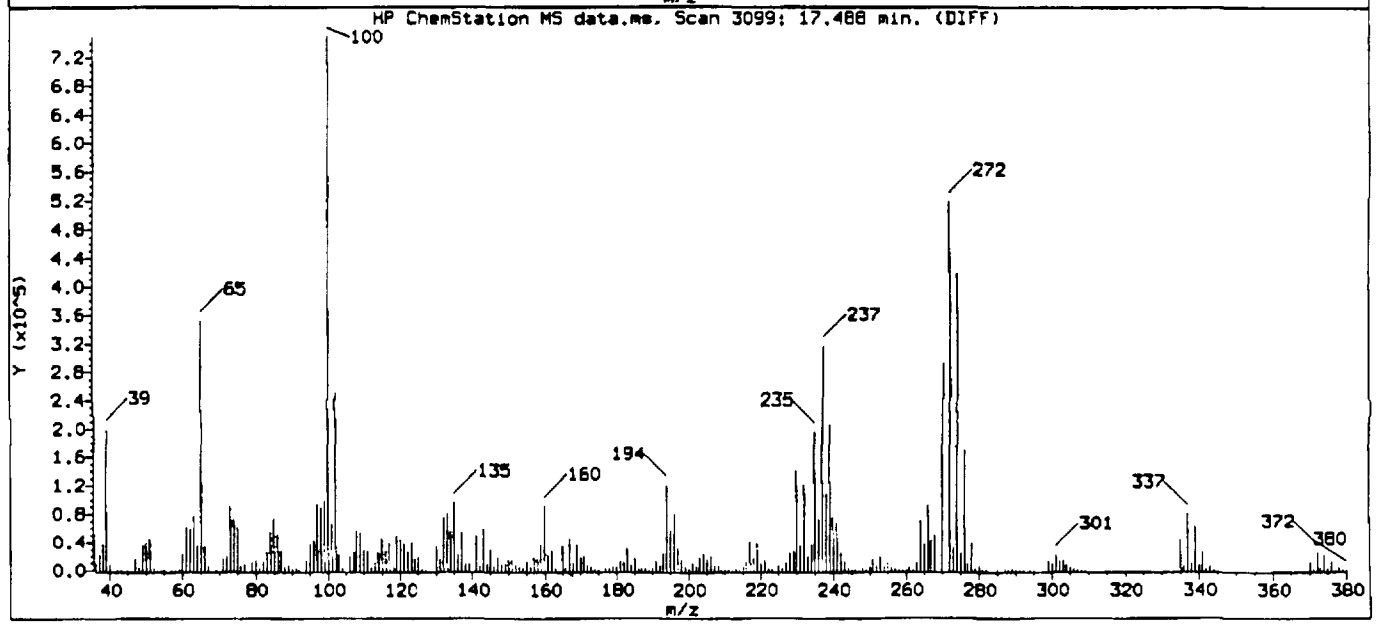


STL North Canton

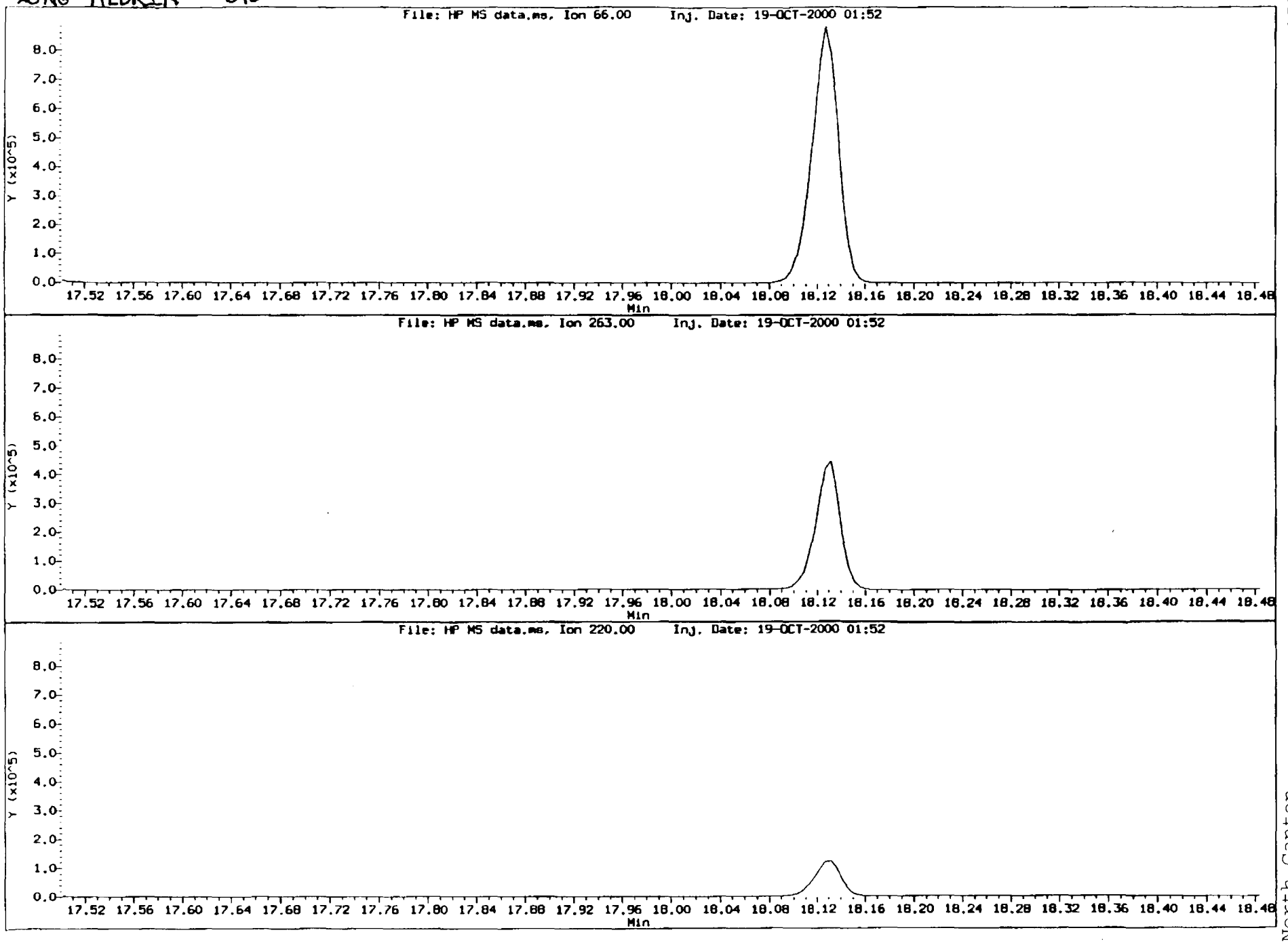
Spectra for Heptachlor



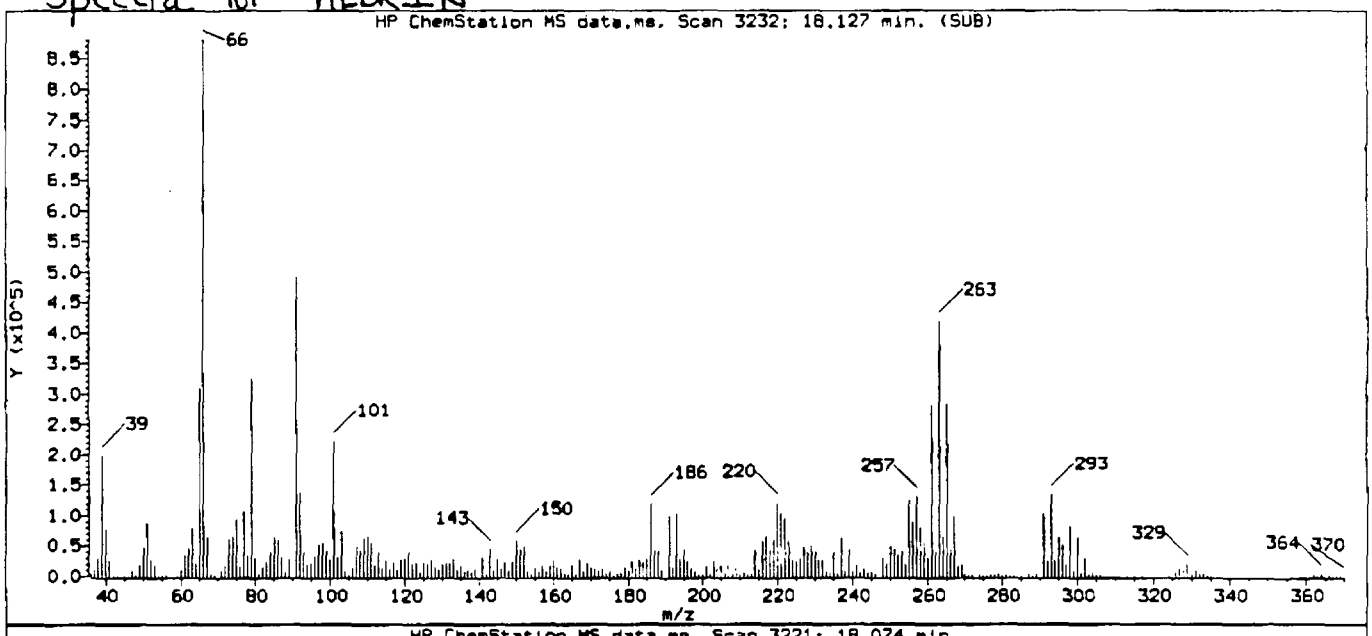


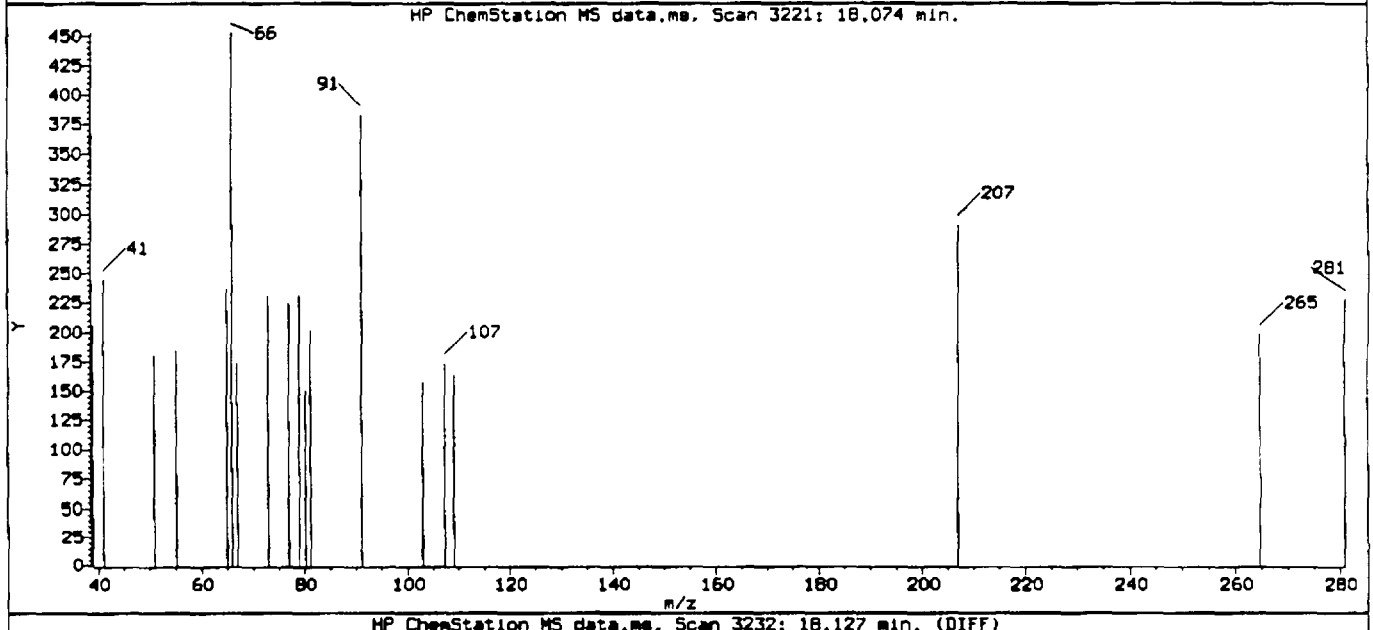


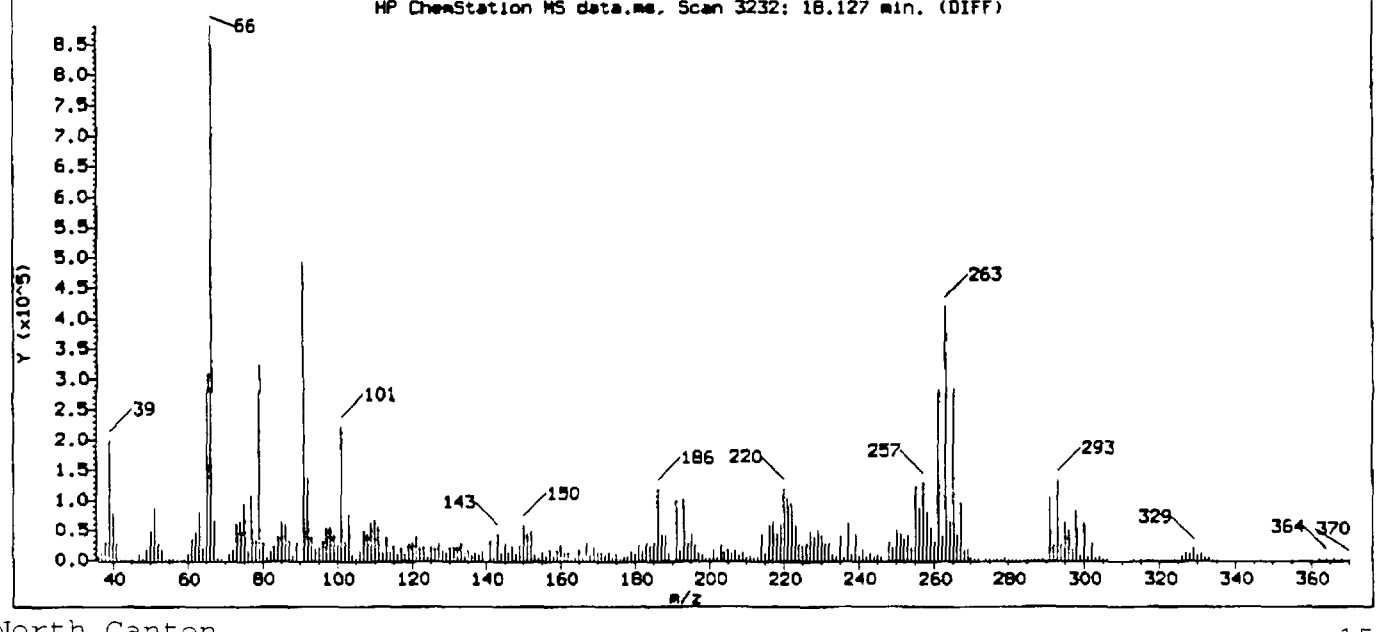
20NG ALDRIN STD



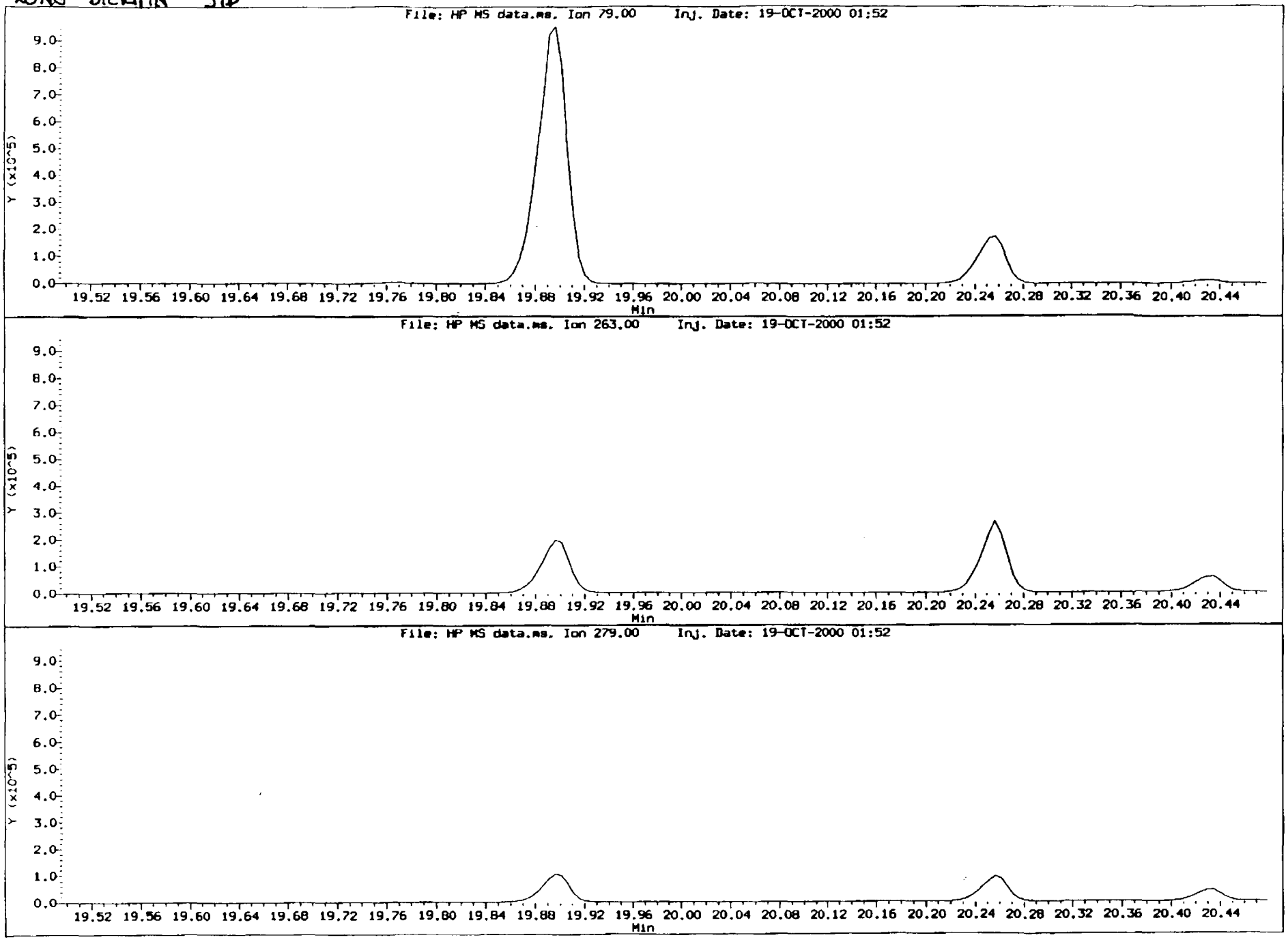
Spectra for ALDRIN



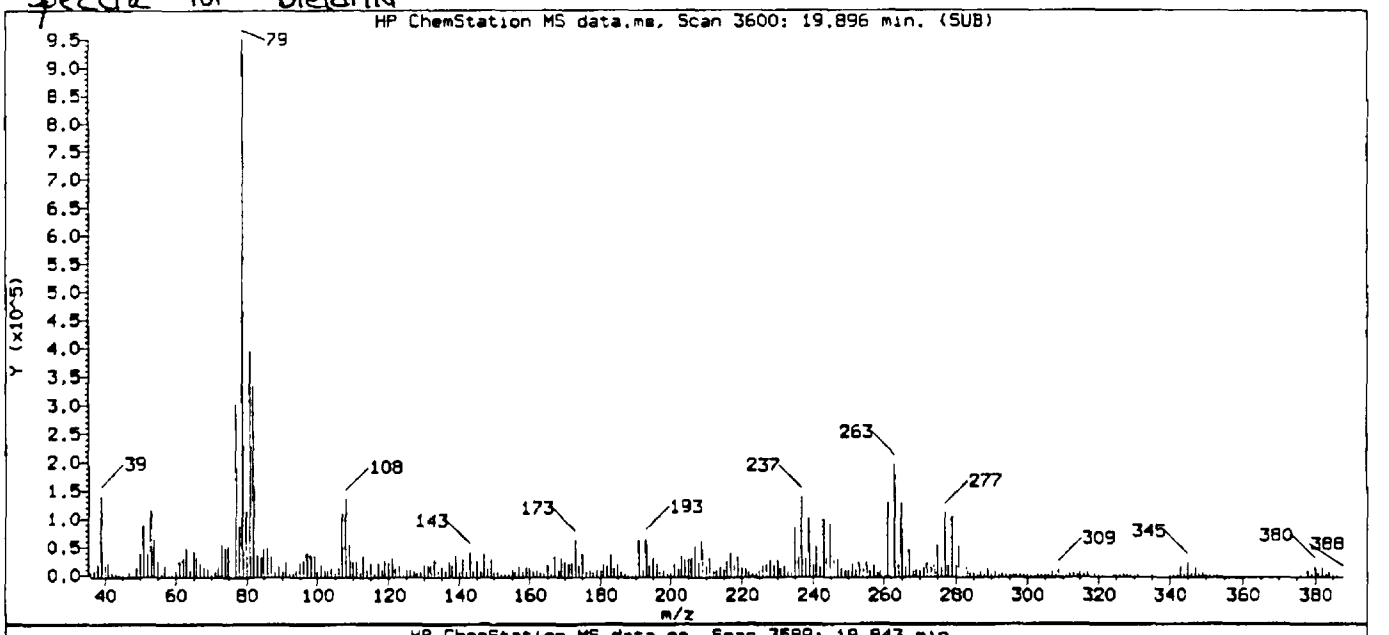


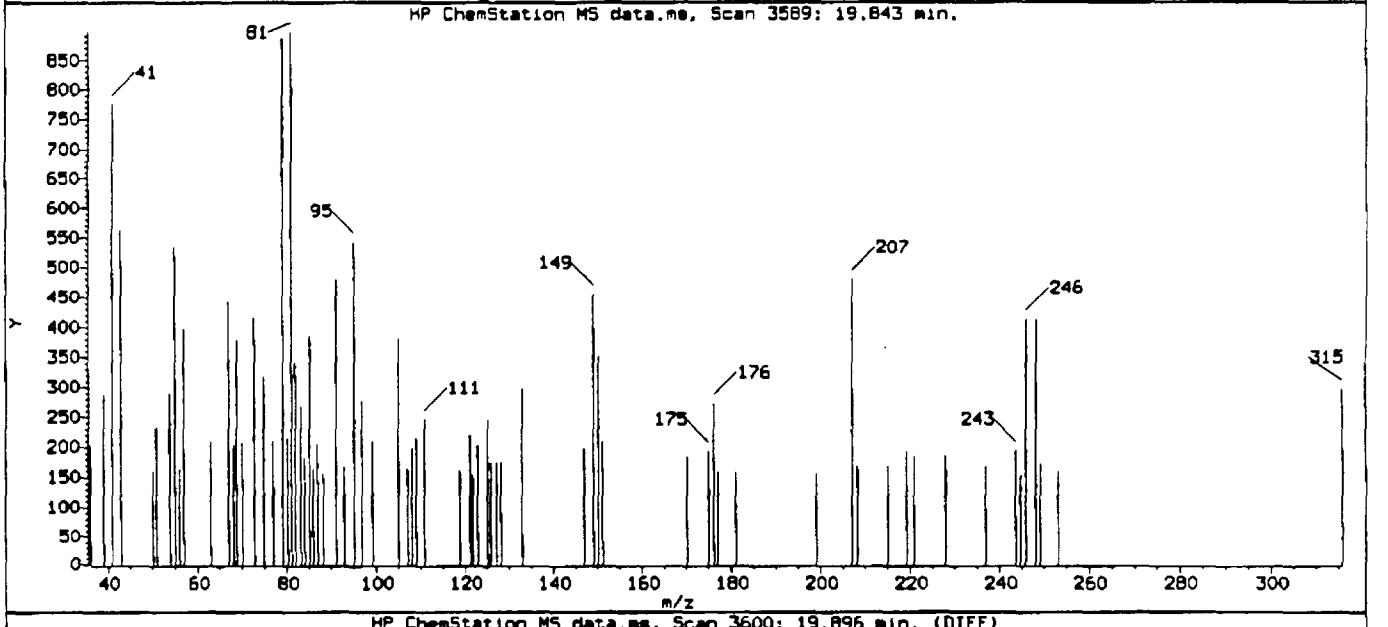


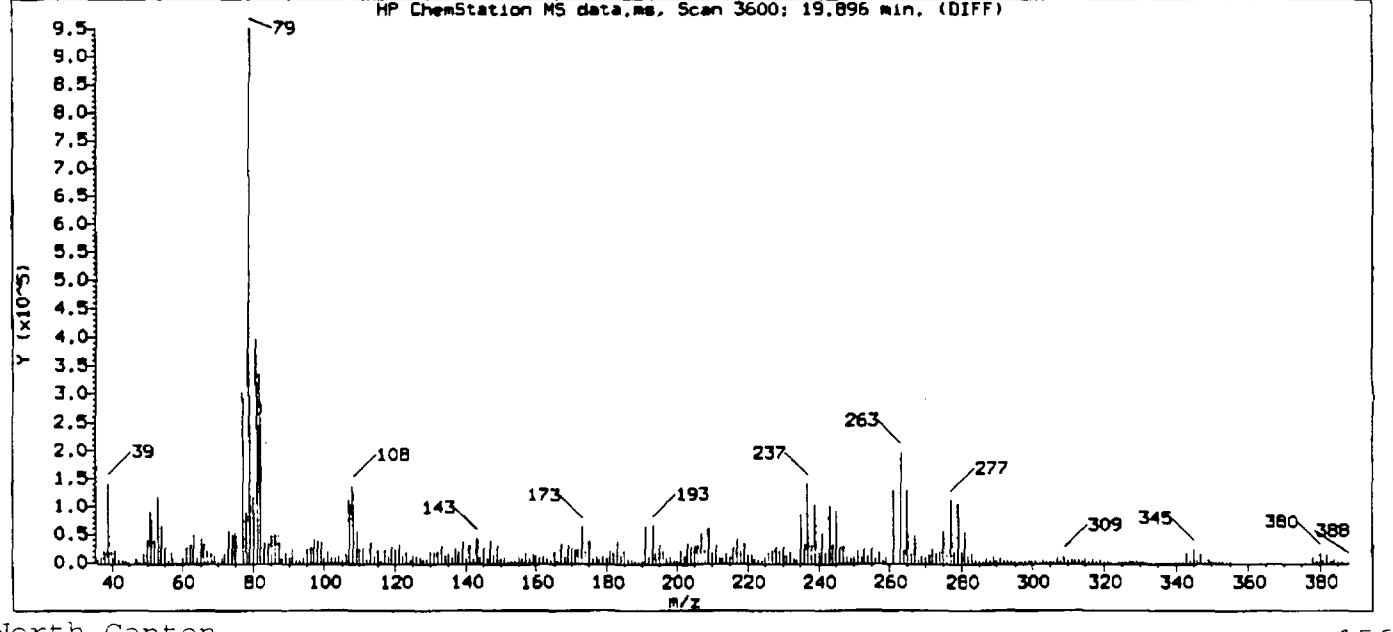
20NG Dieldrin STD



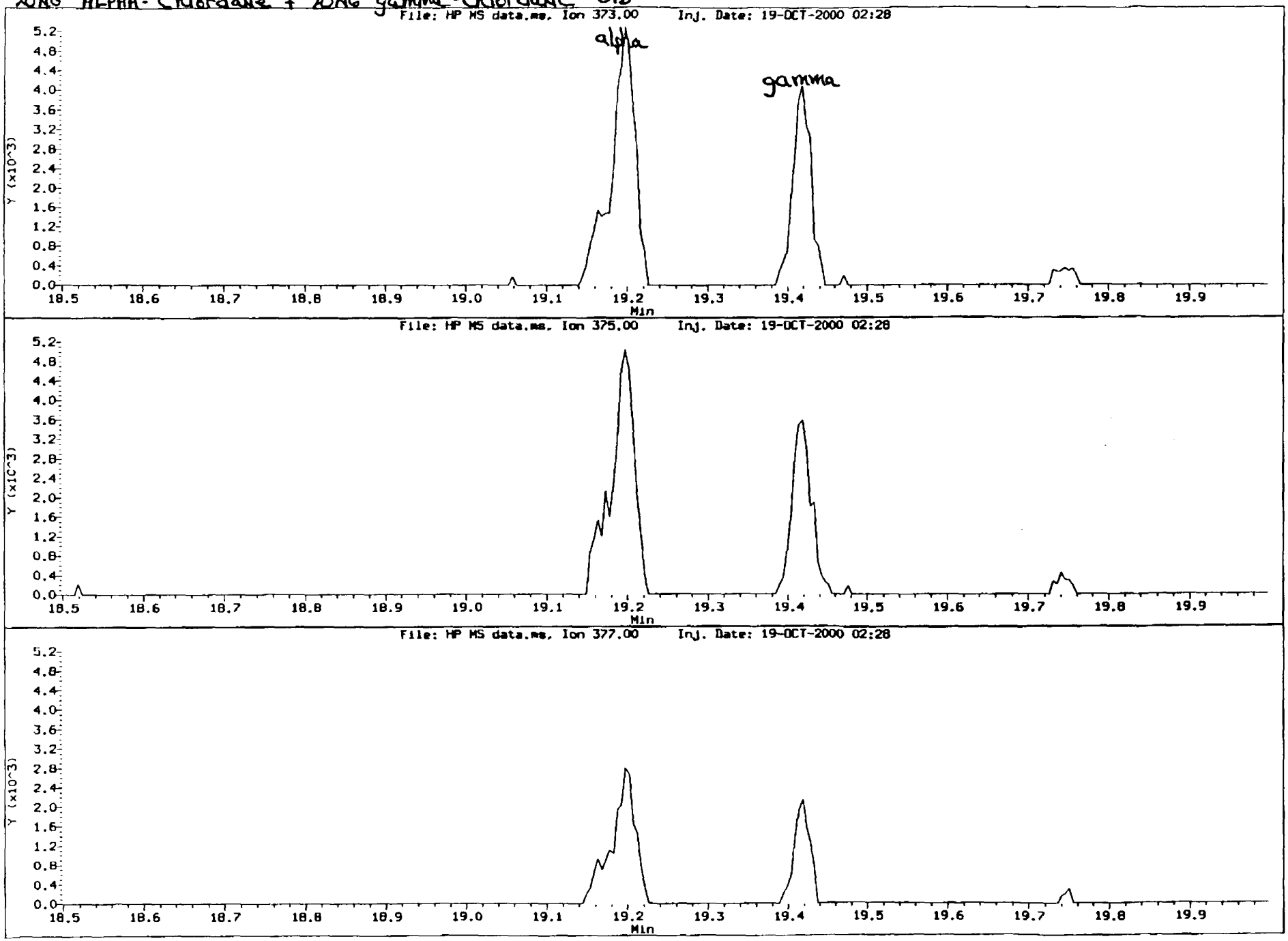
Spectra for Dieldrin



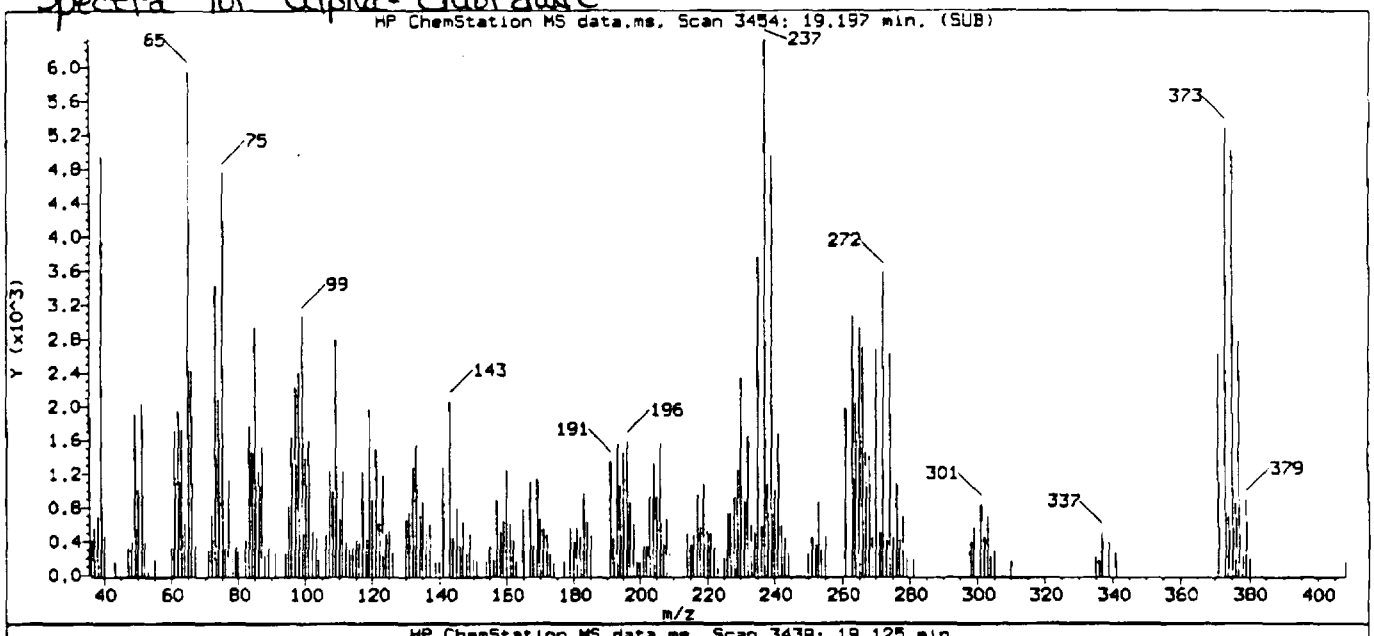


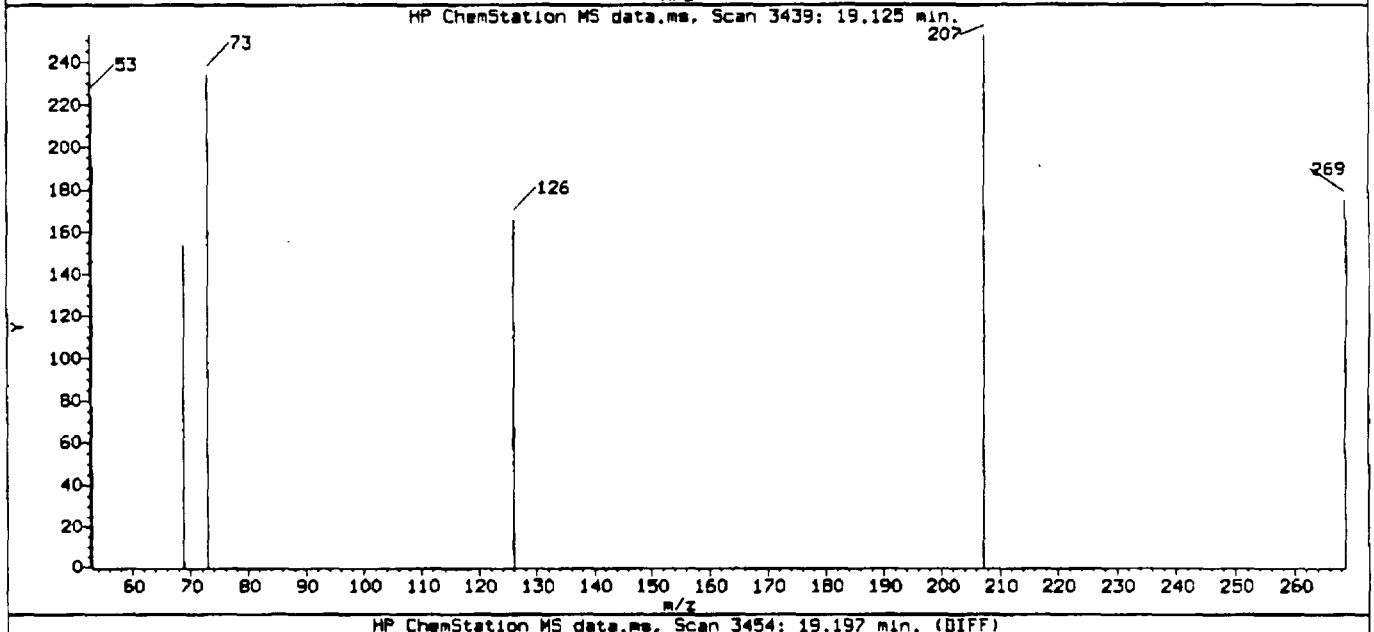


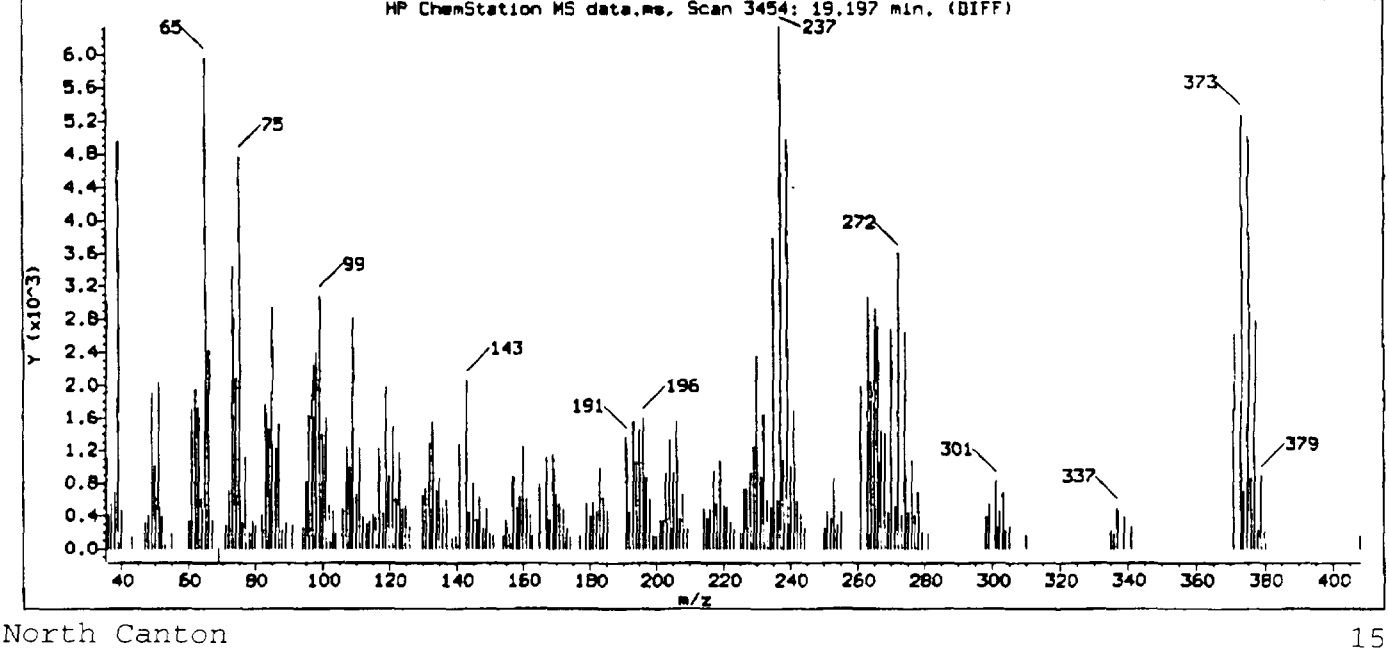
20NG ALPHA-Chlordane + 20NG gamma-chlordane STD



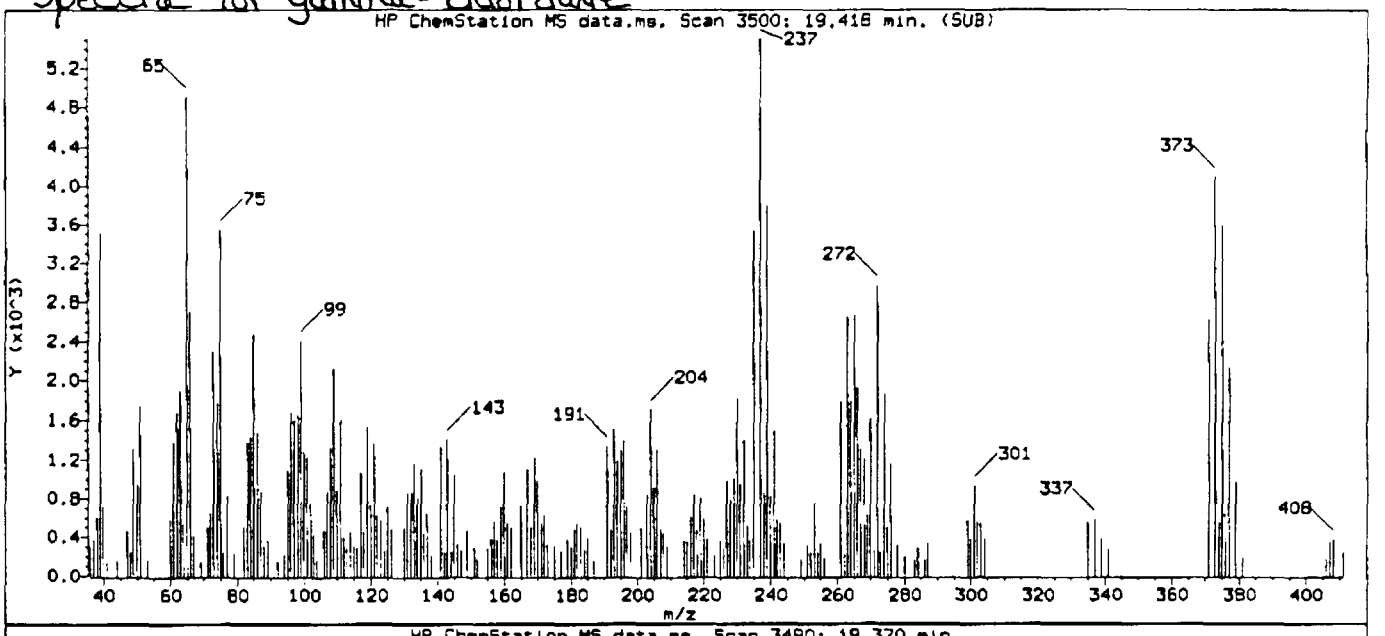
Spectra for alpha-chlordane

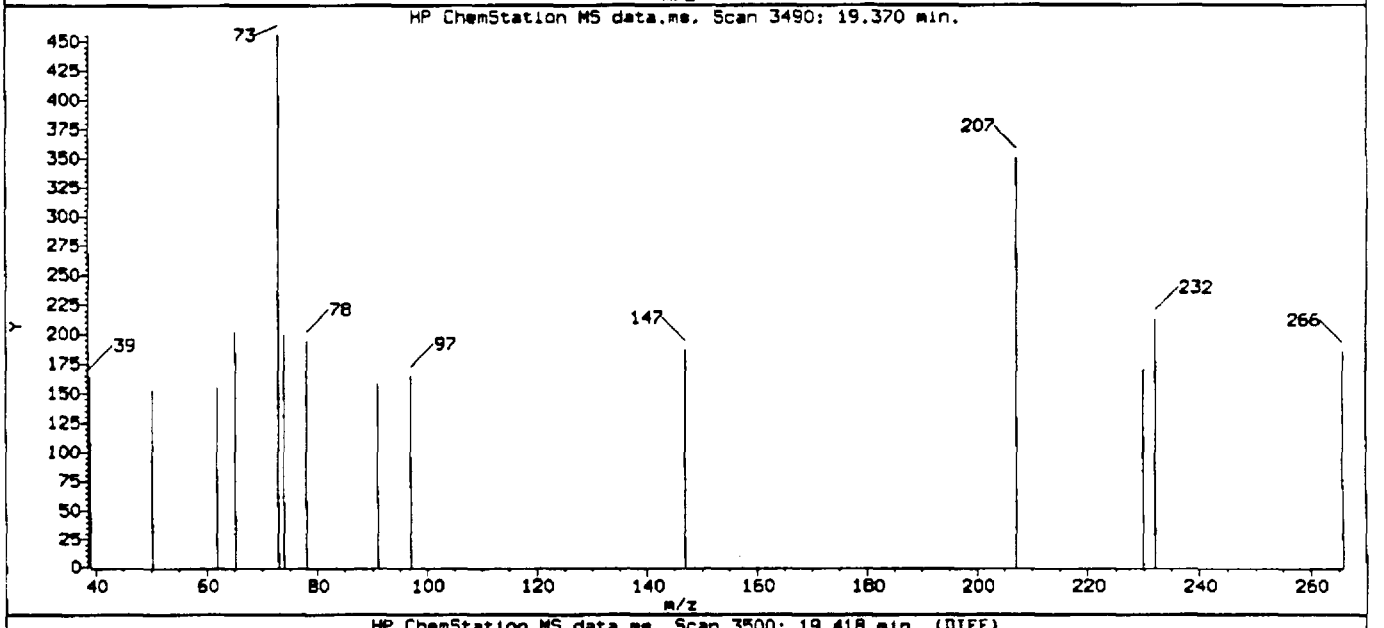


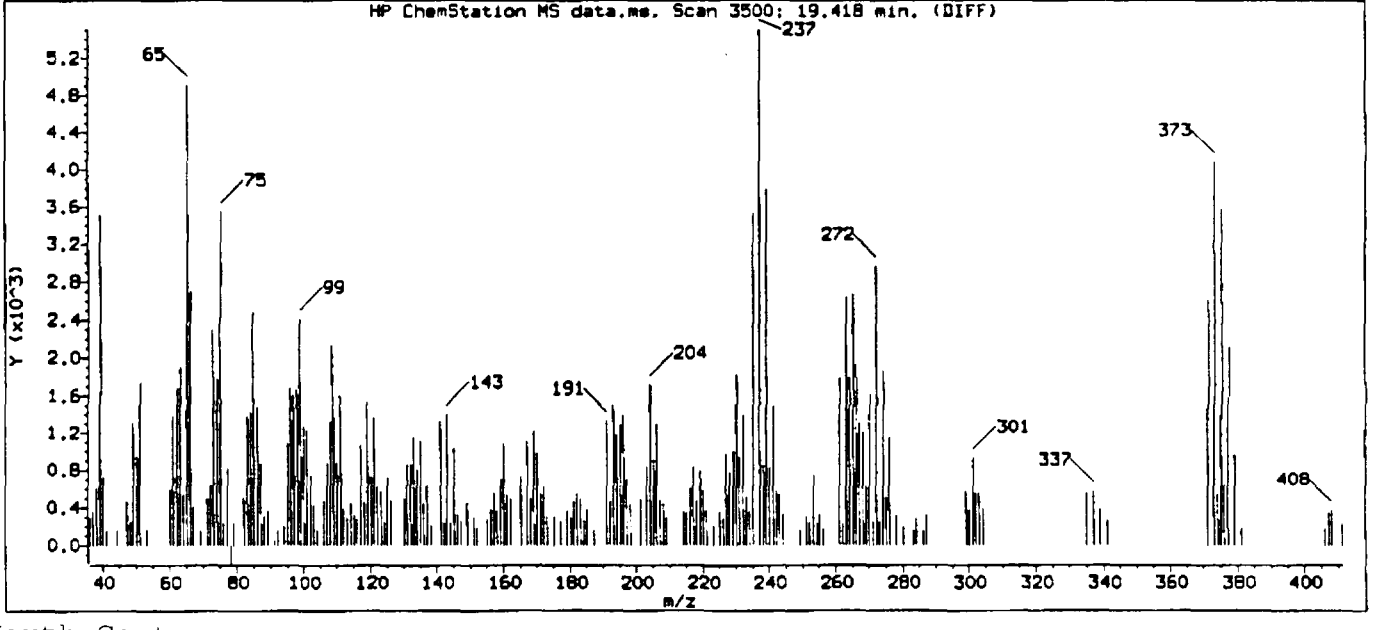




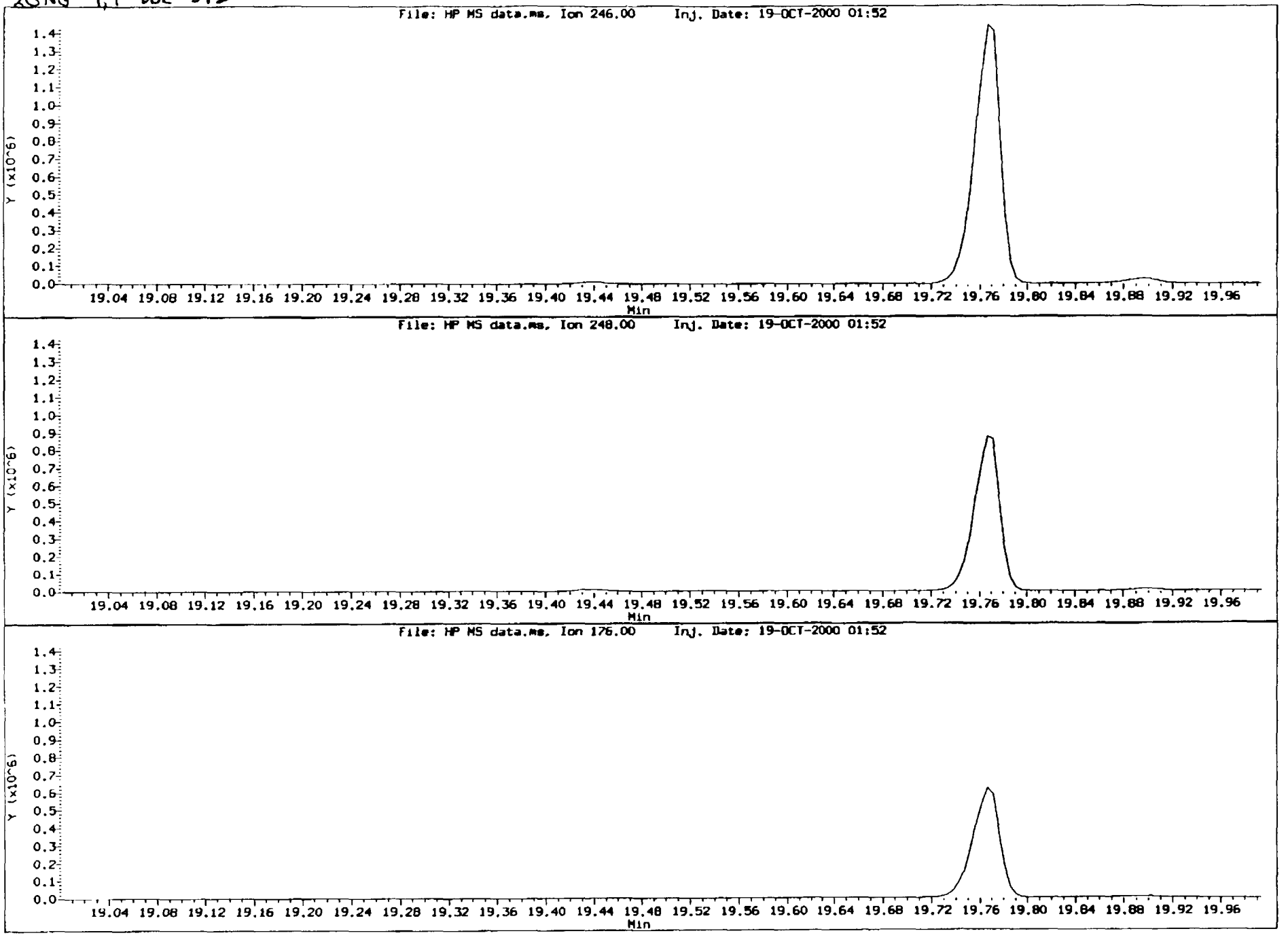
Spectra for gamma-chlordane



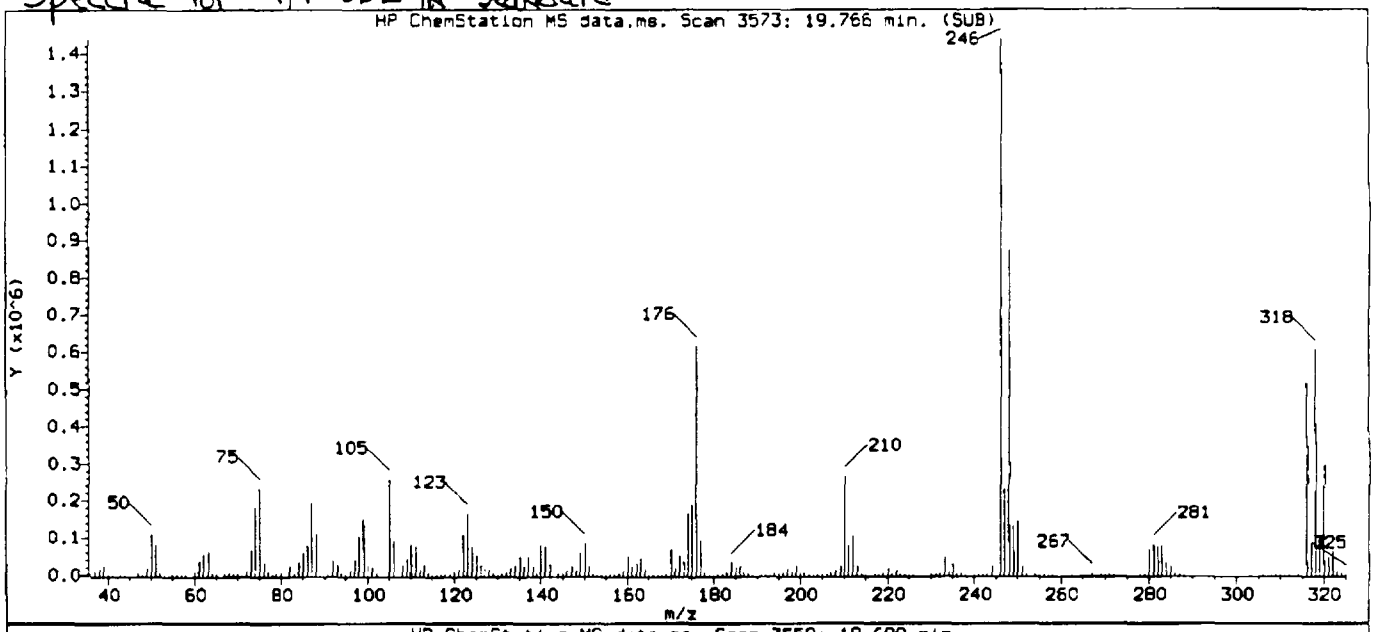


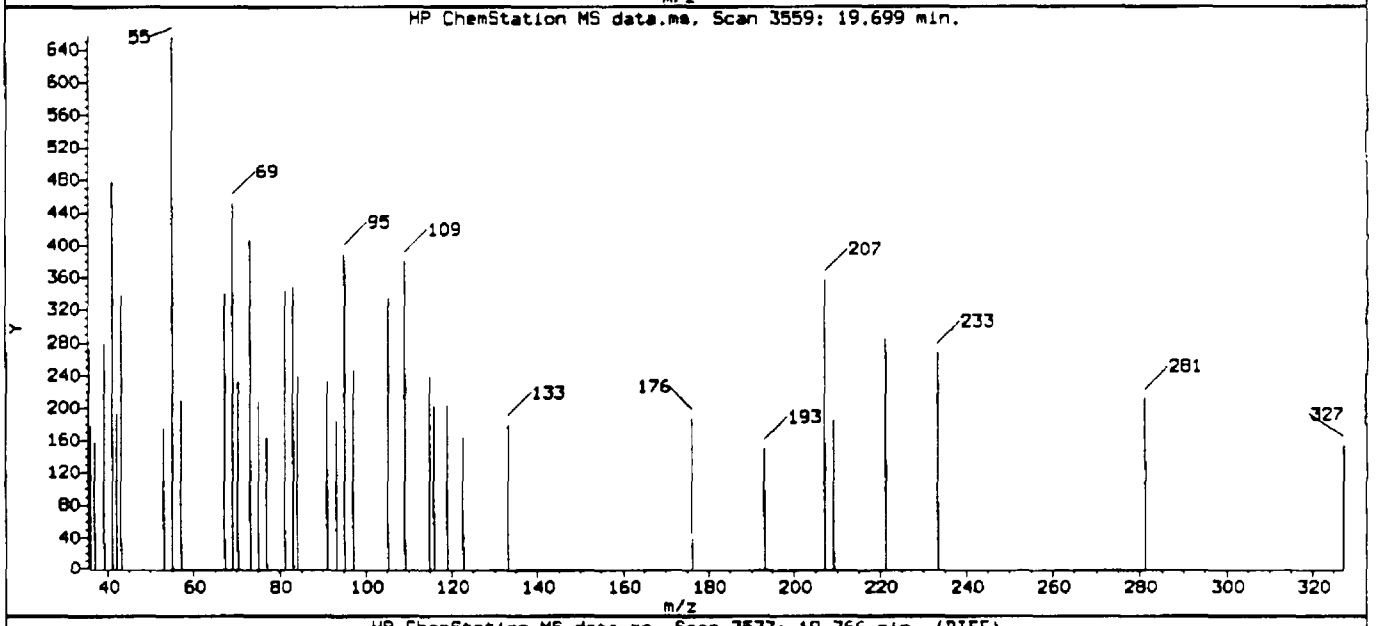


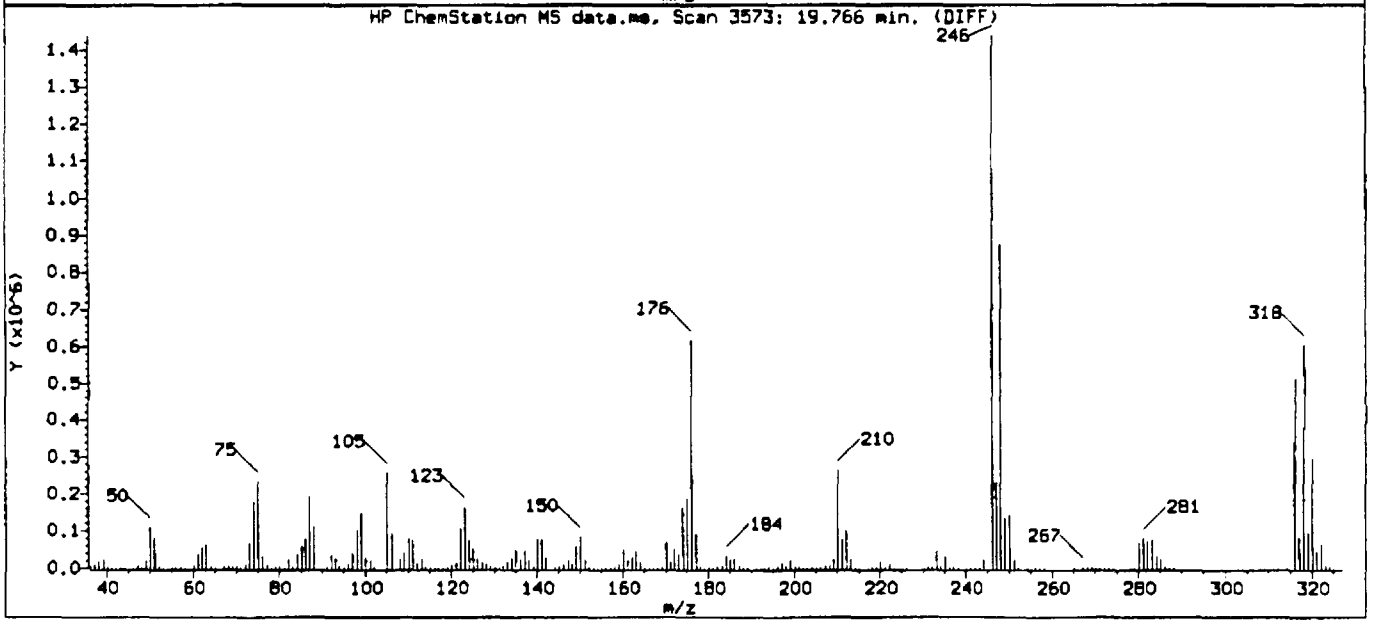
20NG 4,4'-DDE STD



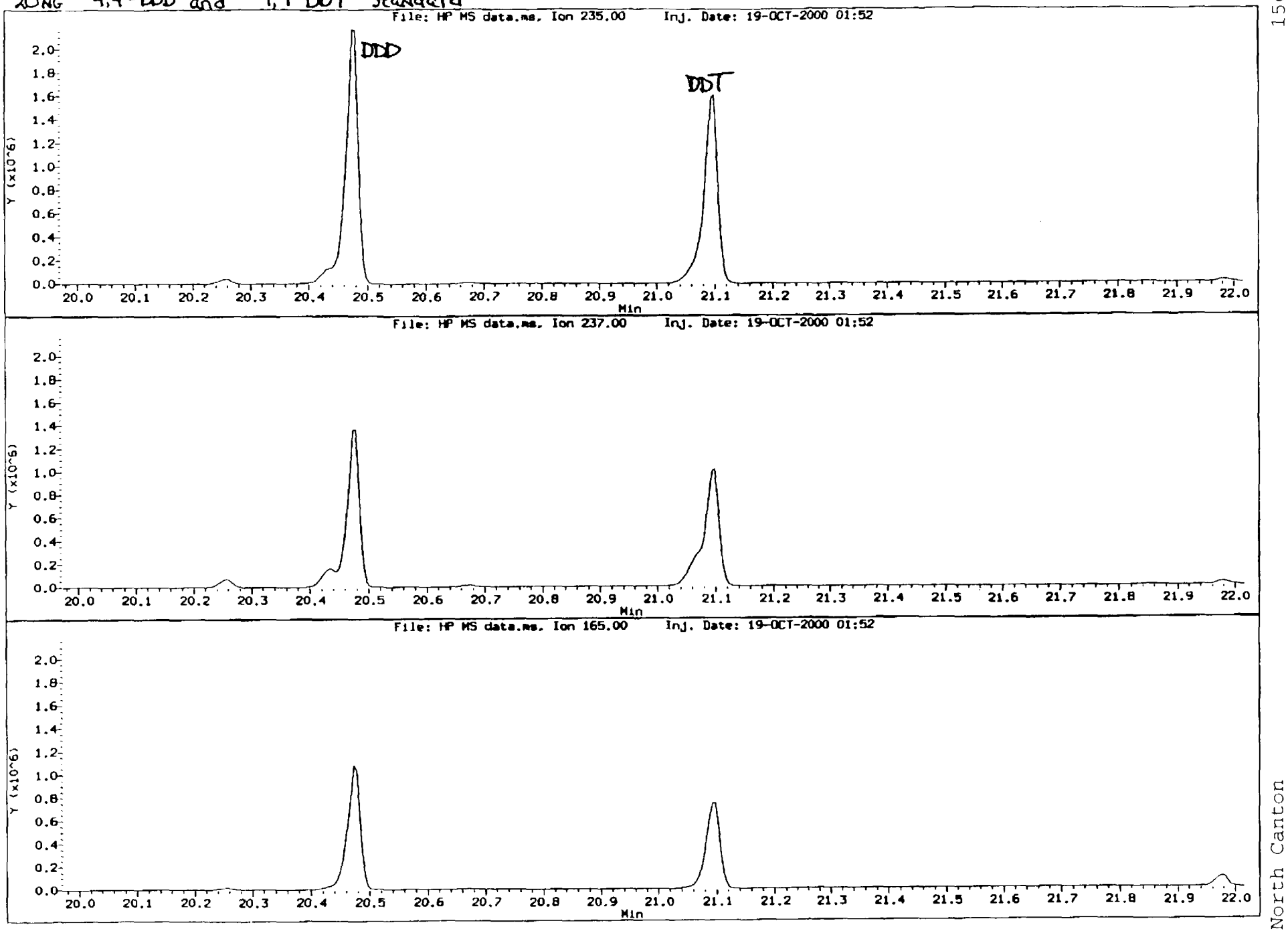
Spectra for 4,4'-DDE in Standard



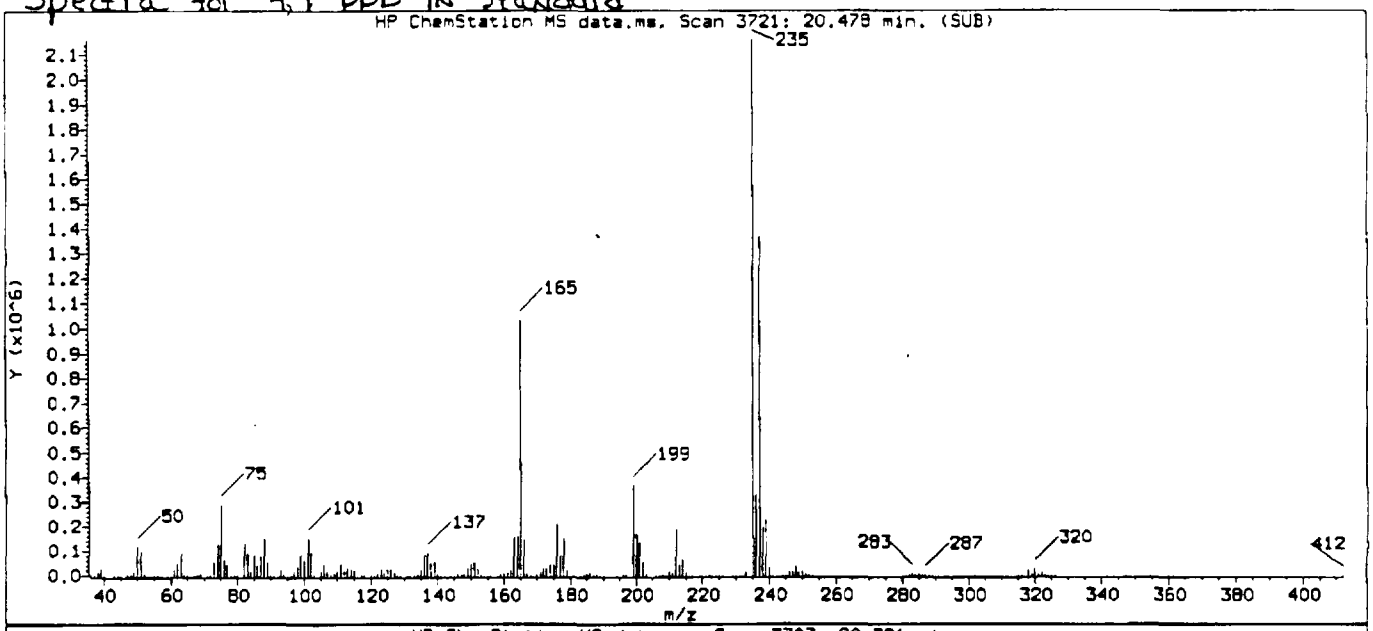


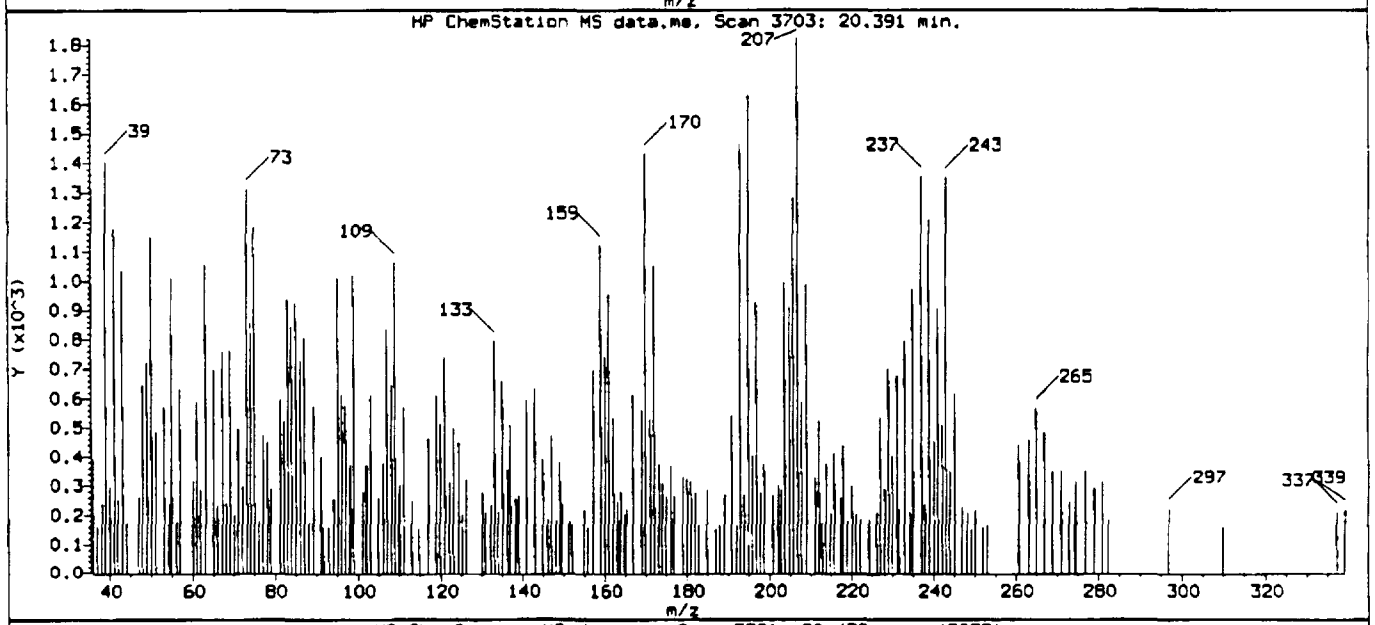


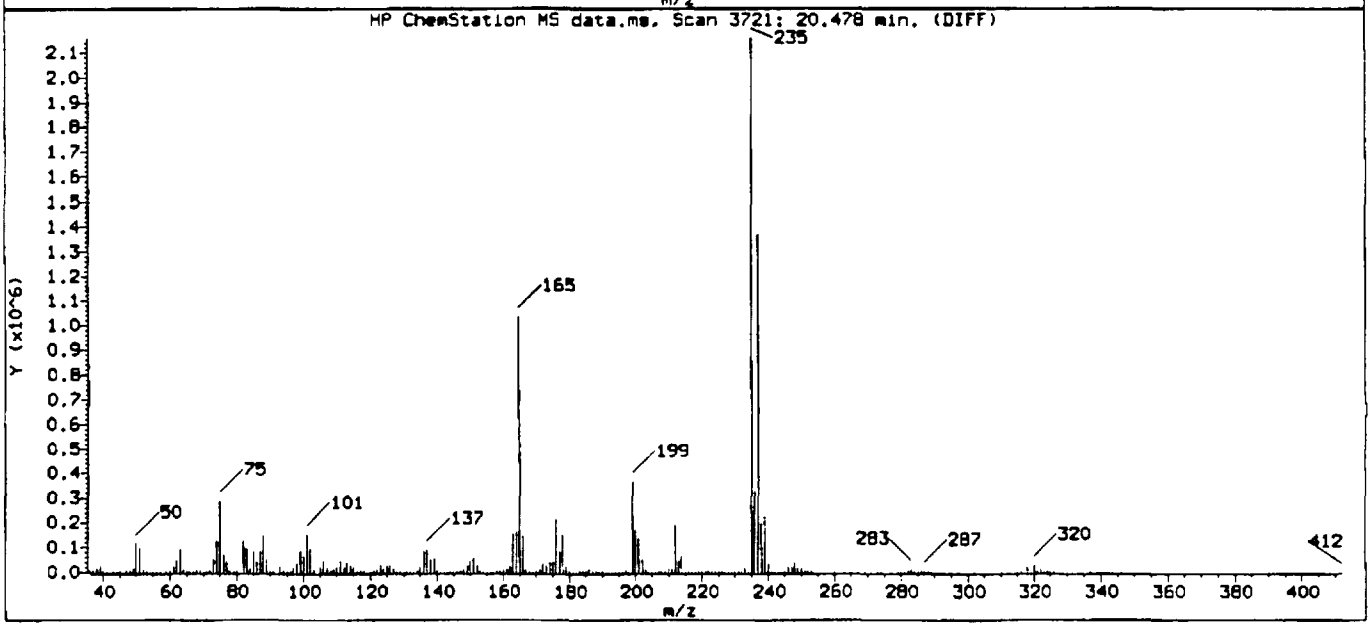
20NG 4,4'-DDD and 4,4'-DDT standard



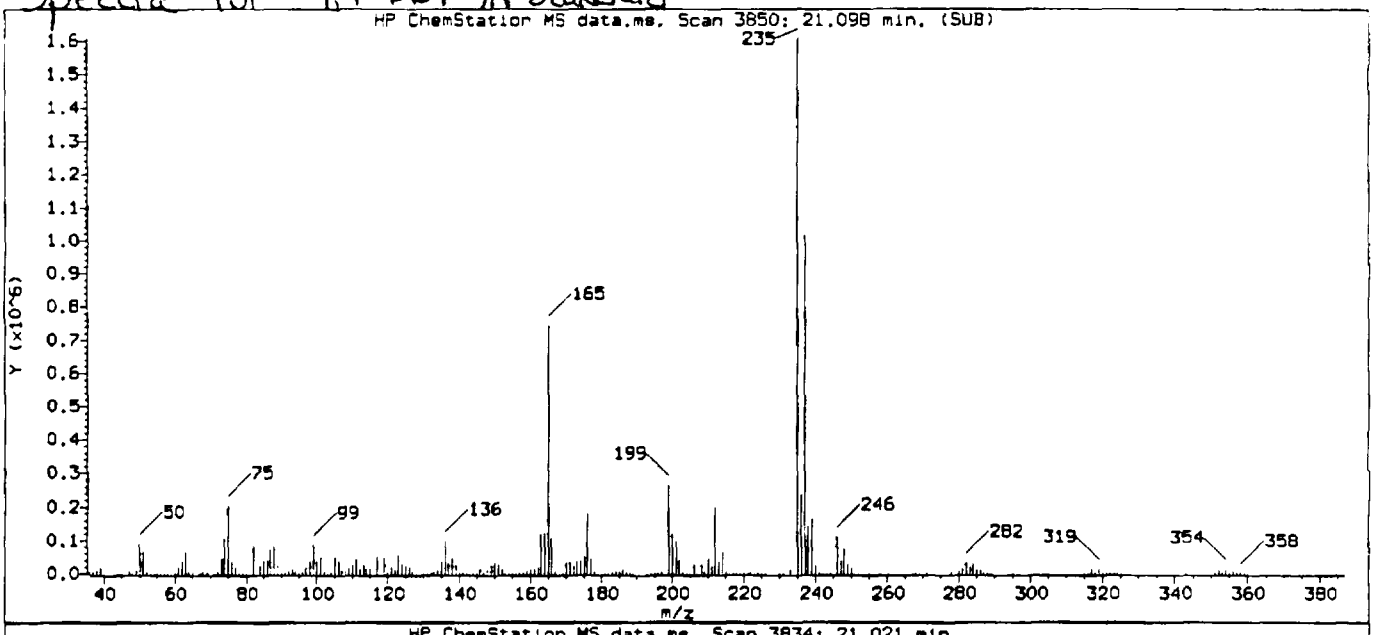
Spectra for 4,4'-DDD in Standard

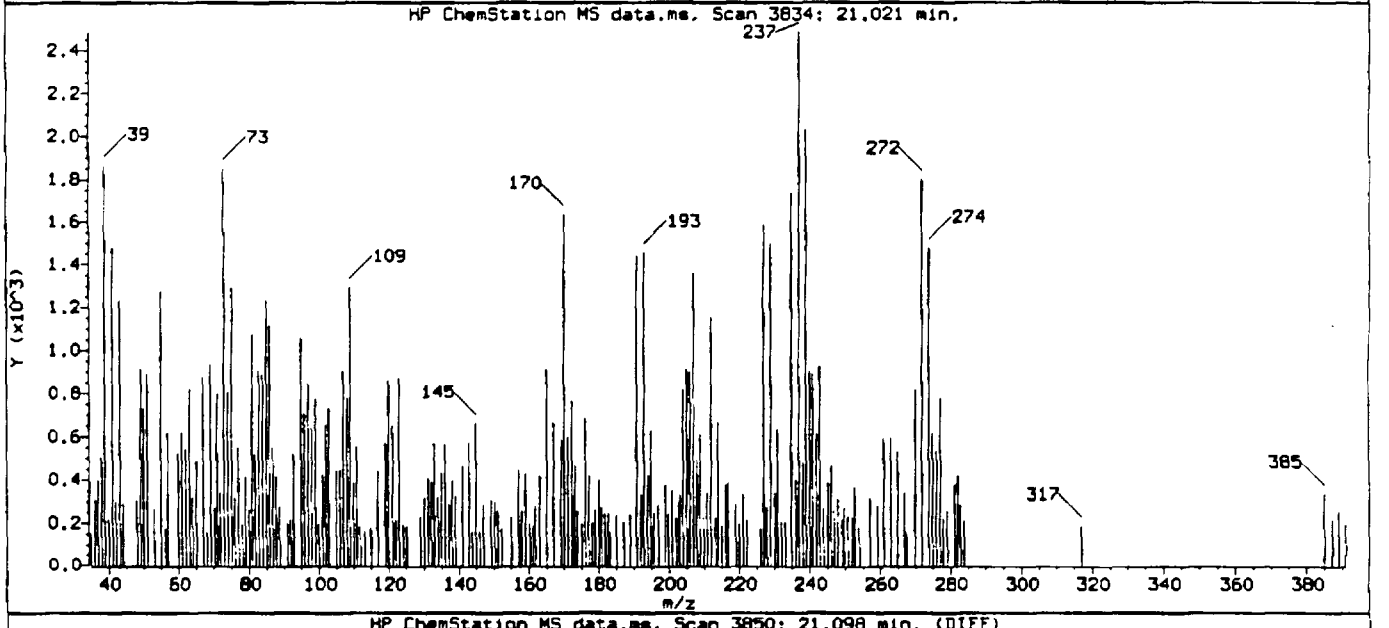


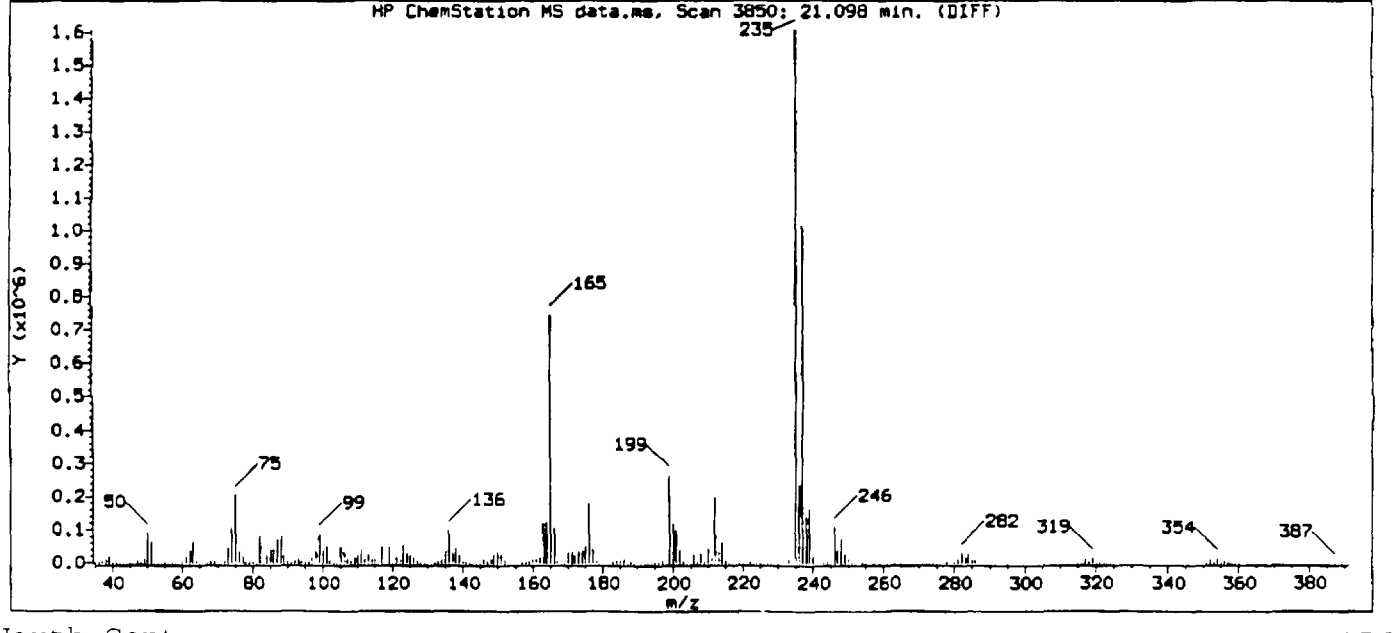




Spectra for 4,4'-DDT in Standard







Committed To *Your* Success

RAW QC DATA

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLANK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: DJVRW101

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

% Moisture: 0 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	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.83	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/006f0601.d
Lab Smp Id: DJVRW101 Client Smp ID: PBLANK1
Inj Date : 21-SEP-2000 02:28
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJVRW101
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: 6 QC Sample: BLANK
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

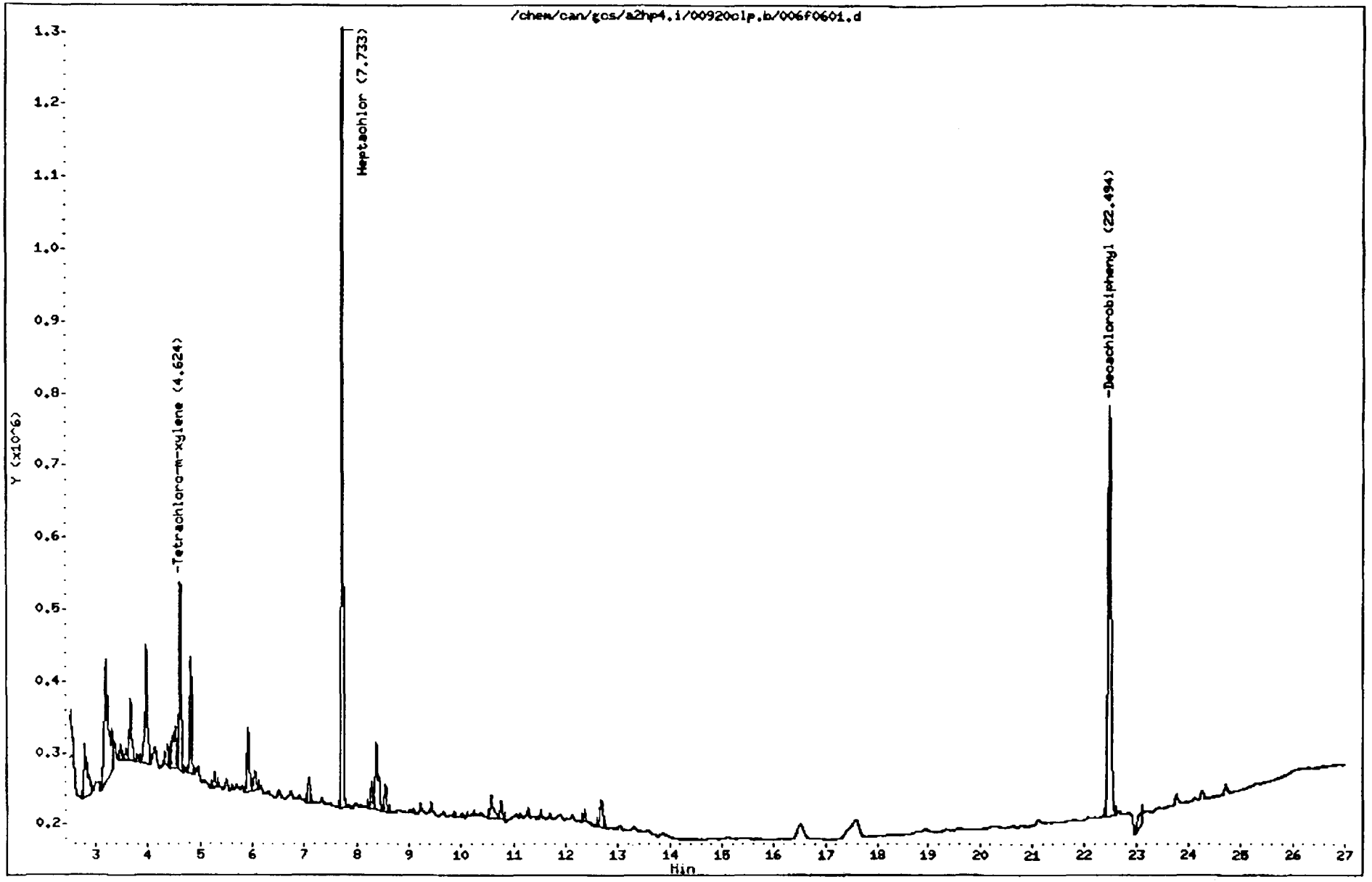
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	2.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

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		
4.572	4.672	-0.100	639325	0.00514	1.7	80.00- 120.00	100.00
9 Heptachlor					CAS #: 76-44-8		
7.705	7.805	-0.100	2603296	0.02158	7.2	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2446973	0.02380	7.9	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/006f0601.d
Date : 21-SEP-2000 02:28
Client ID: PBLANK1
Sample Info: DJVRW101
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/006f0601.d
Lab Smp Id: DJVRW101 Client Smp ID: PBLANK1
Inj Date : 21-SEP-2000 02:28
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DJVRW101
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: 6 QC Sample: BLANK
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	30.00000	Weigth of sample extracted (g)
M	0.00000	% 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		
5.722	5.822	-0.100	590009	0.00438	1.5	80.00- 120.00	100.00
10 Aroclor-1248					CAS #: 12672-29-6		
9.019	9.159	-0.140	6857	0.00136	0.45	80.00- 120.00	100.00(a)
9.320	9.460	-0.140	110489	0.05571	18	19.30- 59.30	1611.25
10.439	10.579	-0.140	30796	0.01897	6.3	12.18- 52.18	449.10
10.618	10.758	-0.140	4536	0.00093	0.31	76.66- 116.66	66.15
11.268	11.408	-0.140	2200545	0.42116	140	83.54- 123.54	32090.31
Average of Peak Concentrations =					33		
13 Heptachlor epoxide					CAS #: 1024-57-3		
11.170	11.310	-0.140	2200545	0.01640	5.5	80.00- 120.00	100.00

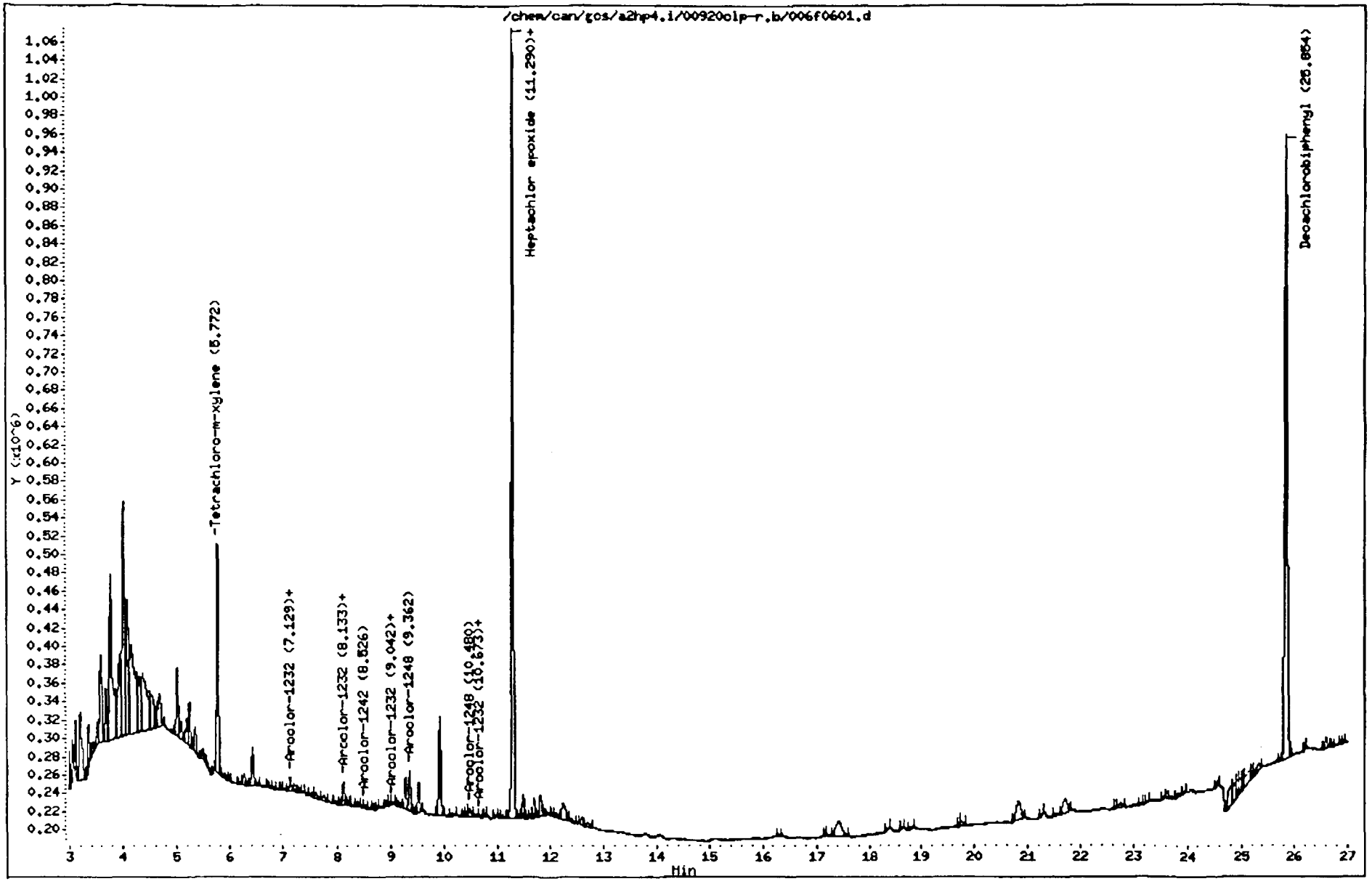
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2270233	0.02402	8.0	80.00- 120.00	100.00

QC Flag Legend

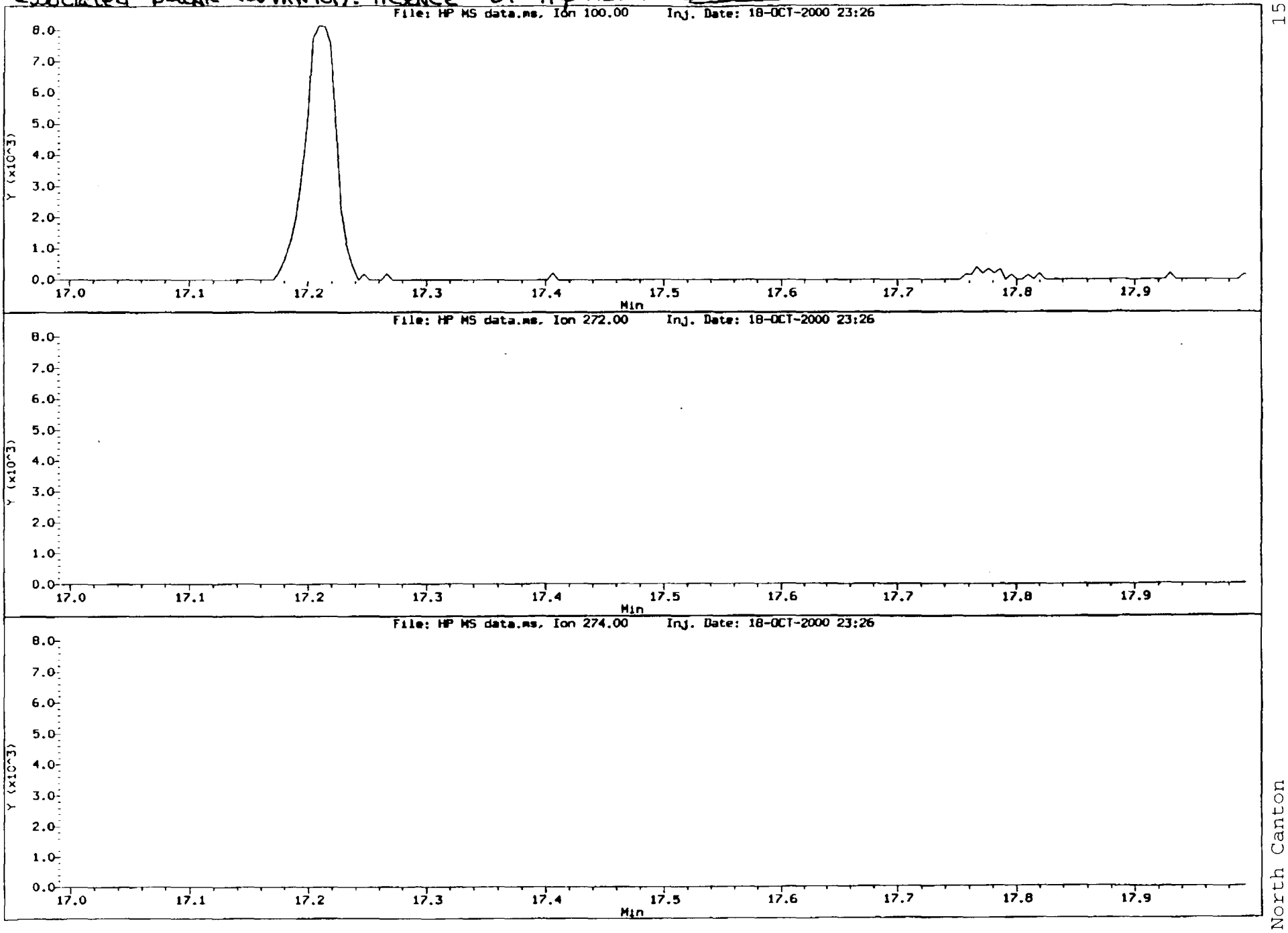
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/006f0601.d
Date : 21-SEP-2000 02:28
Client ID: PBLANK1
Sample Info: DJVRW101
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

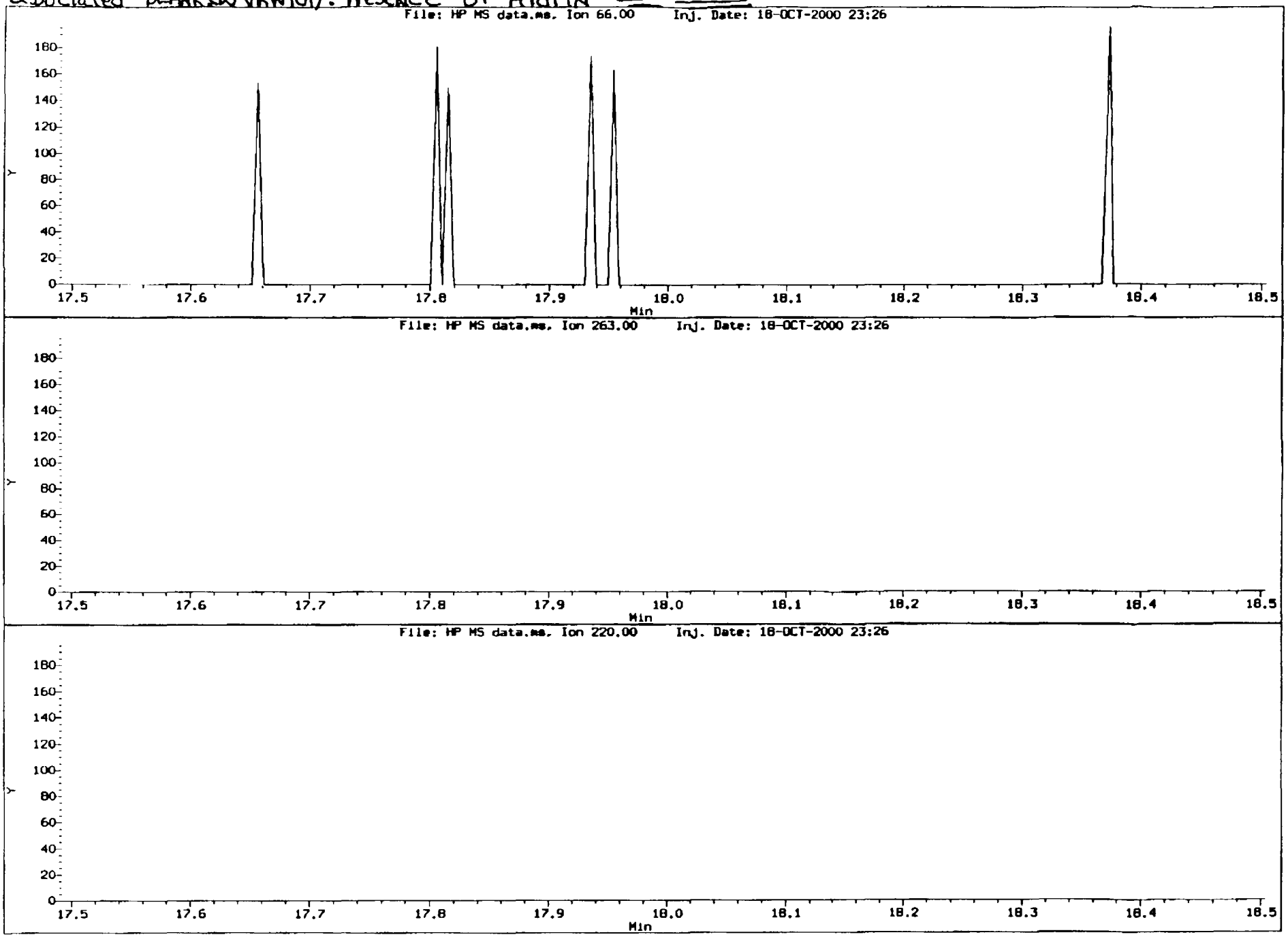
Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53



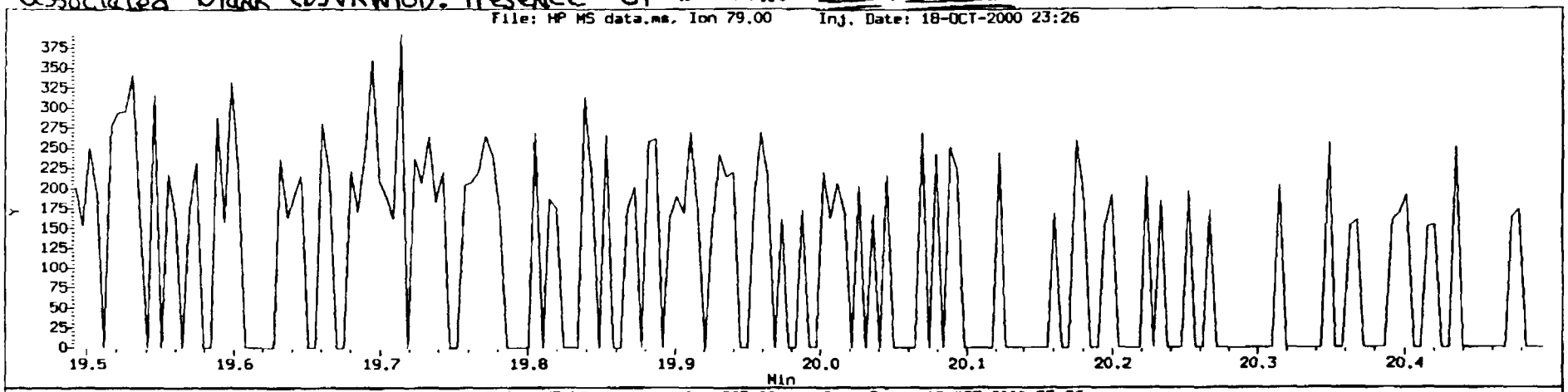
Associated Blank (DJVRW101): Presence of Heptachlor Not Detected.

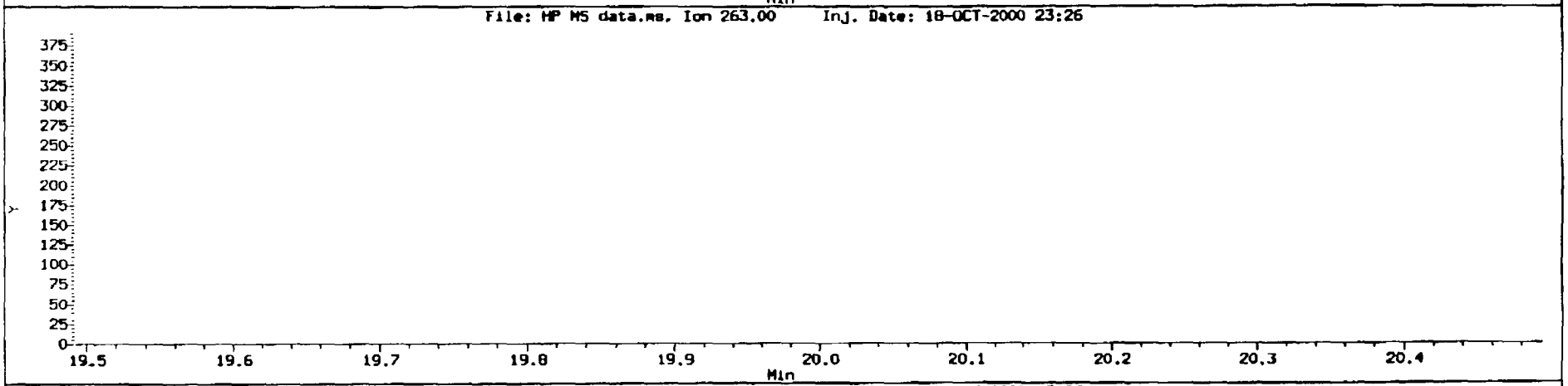


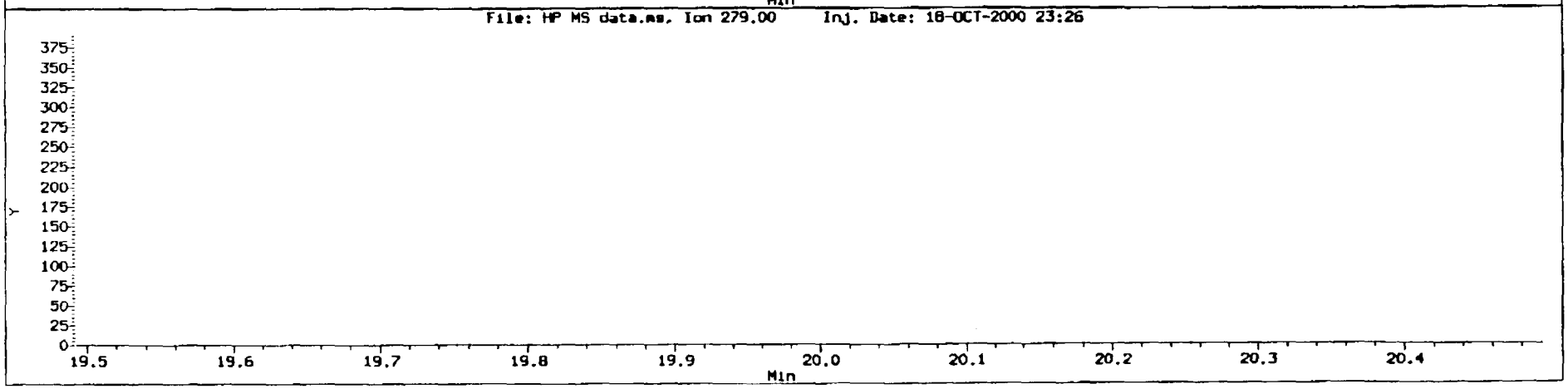
Associated BLANK (DJVRW101): Presence of Aldrin Not detected.



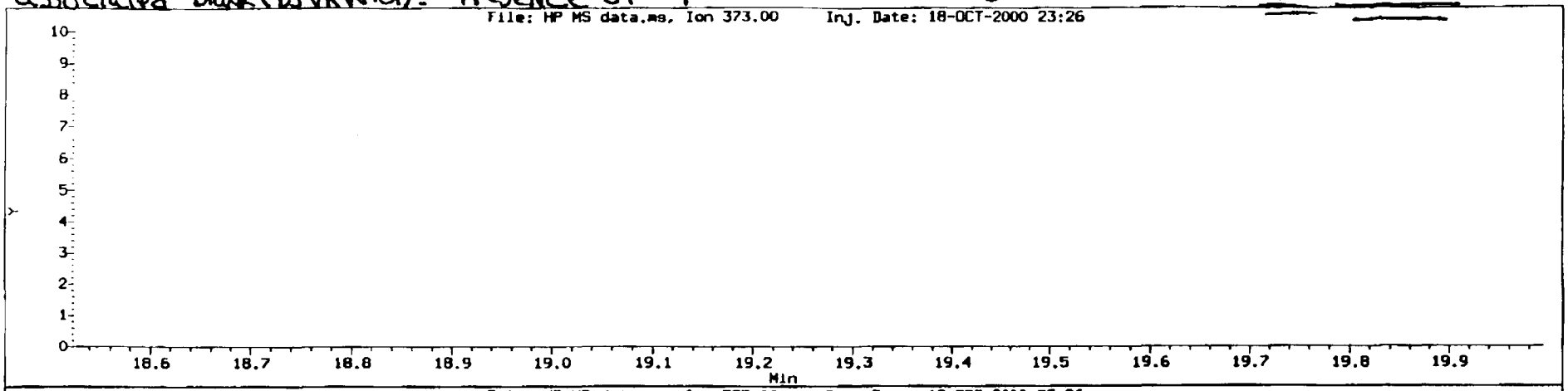
Associated Blank (DJVRW101): Presence of Dieldrin Not Detected

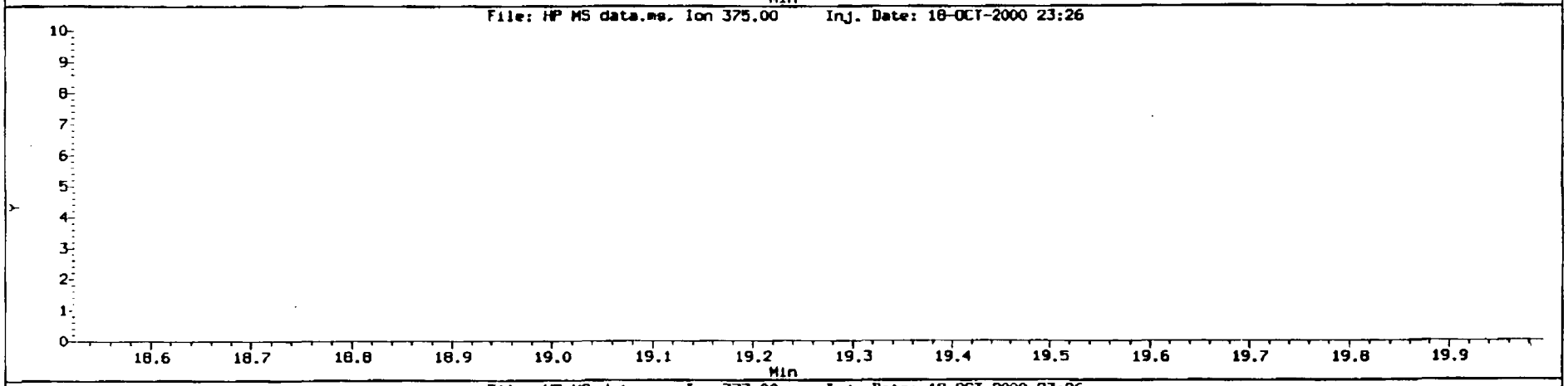


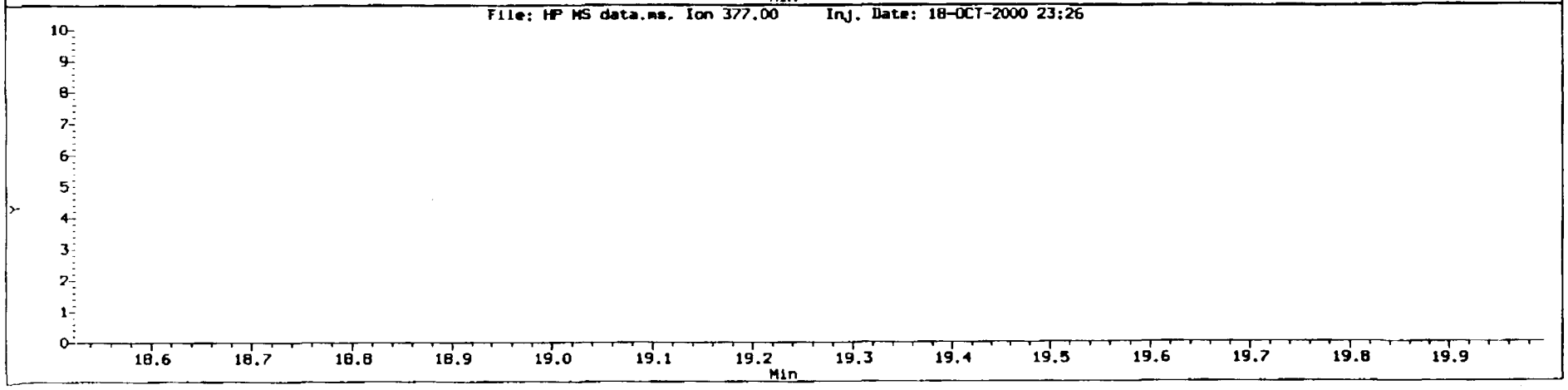




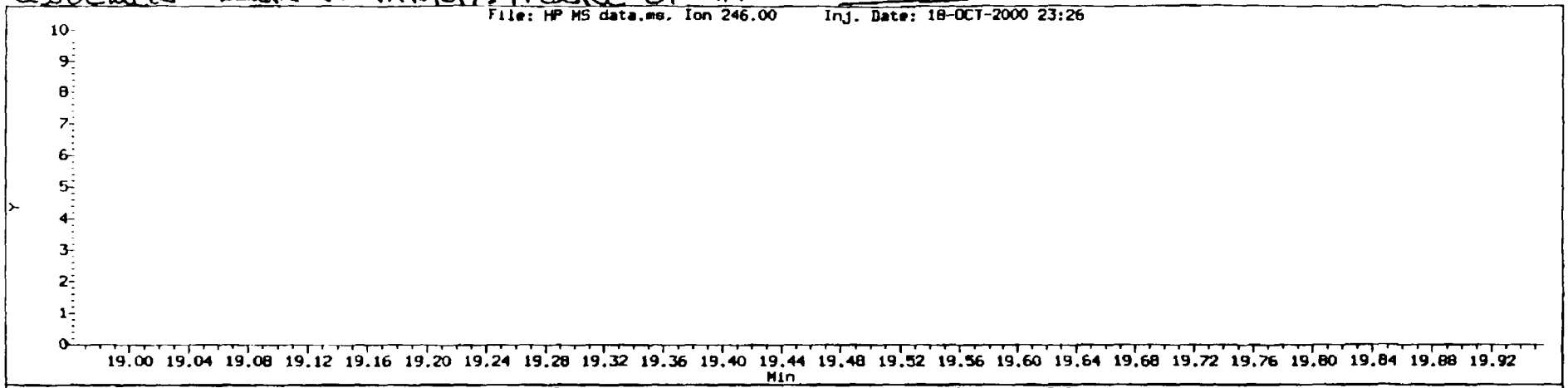
Associated Blank (DJVRW101): Presence of alpha-chlordane and gamma-chlordane Not Detected.

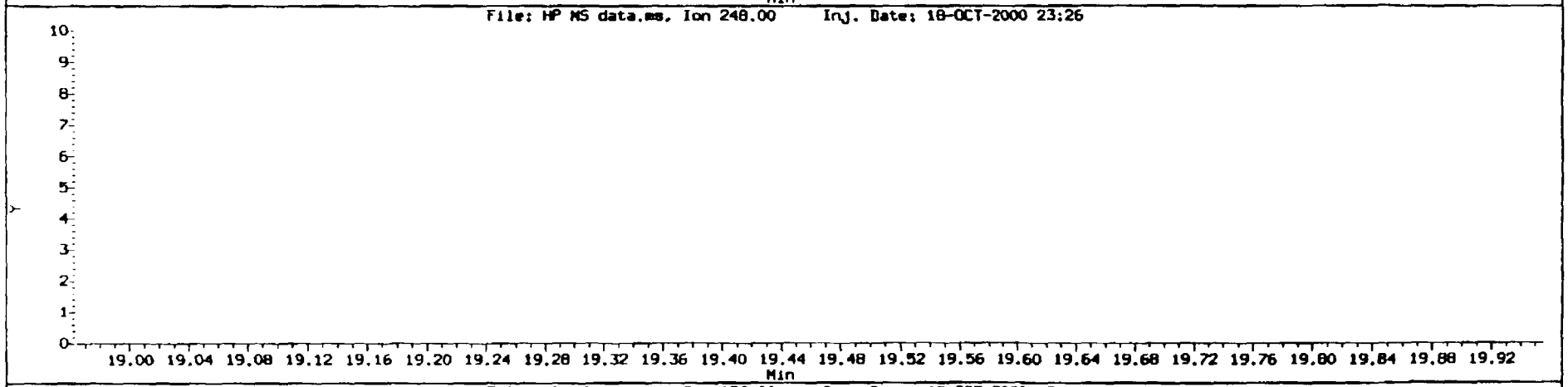


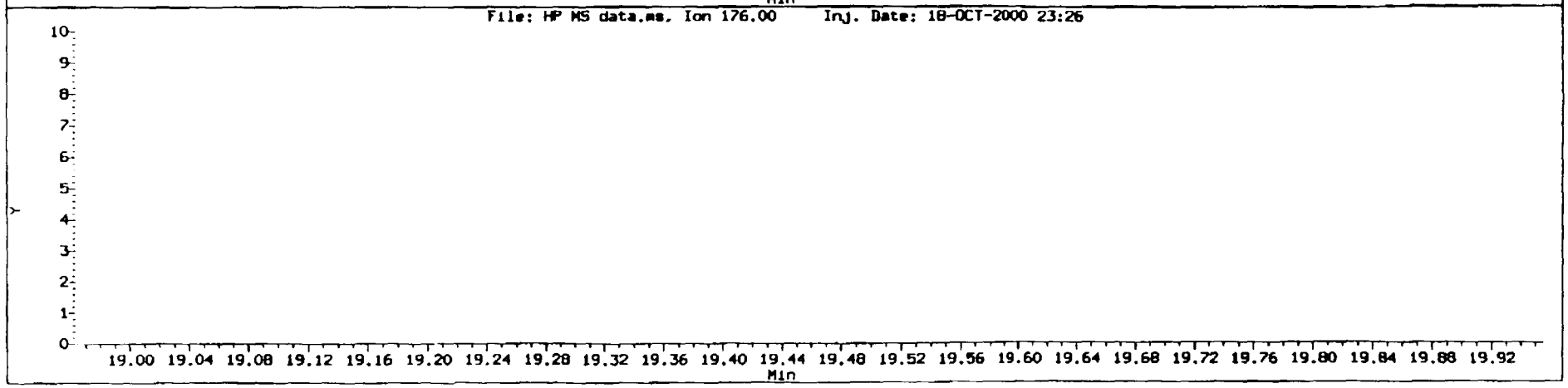




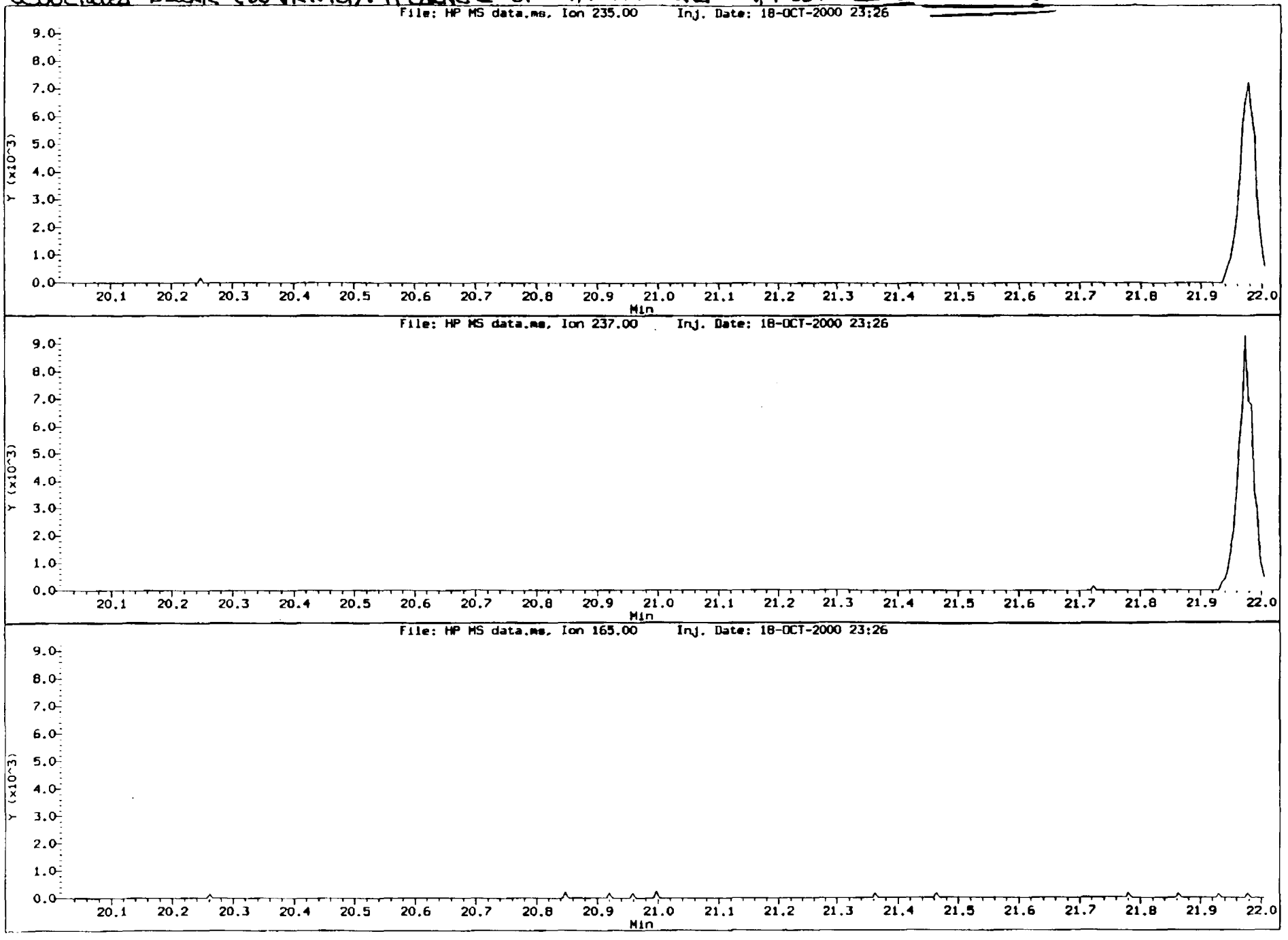
Associated Blank (DJVRW101): Presence of 4,4'-DDE Not Detected







Associated Blank (DJVRW101): Presence of 4,4'-DDD and 4,4'-DDT Not Detected



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLANK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: DKQ3E101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 023F2101

% Moisture: 0 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	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC(Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.83	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	0.83	JP
5103-74-2	gamma-Chlordane	1.0	J
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/023f2101.d
Lab Smp Id: DKQ3E101 Client Smp ID: PBLANK2
Inj Date : 04-OCT-2000 02:03
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DKQ3E101
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: 23 QC Sample: BLANK
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	0.00000	% 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		
4.510	4.610	-0.100	4734853	0.03496	12	80.00- 120.00	100.00
5 alpha-BHC					CAS #: 319-84-6		
5.839	5.939	-0.100	610466	0.00317	1.0	80.00- 120.00	100.00(a)
9 Heptachlor					CAS #: 76-44-8		
7.633	7.733	-0.100	2546068	0.01890	6.3	80.00- 120.00	100.00
16 gamma-Chlordane					CAS #: 5103-74-2		
9.872	10.012	-0.140	456215	0.00301	1.0	80.00- 120.00	100.00(a)

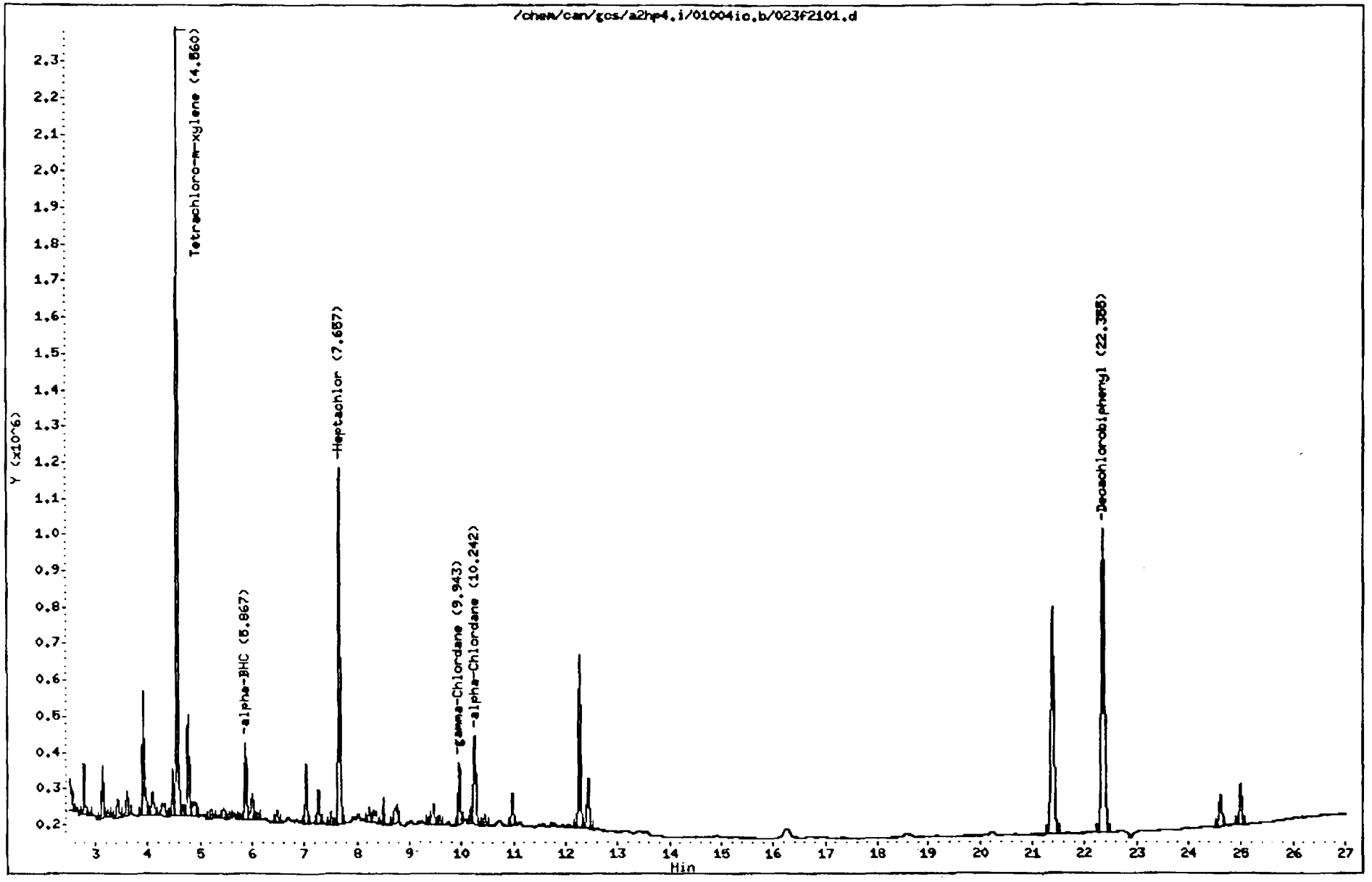
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
17 alpha-Chlordane					CAS #: 5103-71-9		
10.157	10.297	-0.140	836319	0.00558	1.8	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	3604954	0.03652	12	80.00- 120.00	100.00

QC Flag Legend

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

Data File: /chem/can/gcs/a2hp4.i/01004io.b/023f2101.d
Date : 04-OCT-2000 02:03
Client ID: PBLANK2
Sample Info: DKQ3E101
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/023f2101.d
Lab Smp Id: DKQ3E101 Client Smp ID: PBLANK2
Inj Date : 04-OCT-2000 02:03
Operator : 1808 Inst ID: a2hp4.i
Smp Info : DKQ3E101
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: 23 QC Sample: BLANK
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	0.00000	% 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		
5.645	5.745	-0.100	5003181	0.03442	11	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
6.562	6.702	-0.140	61065	0.31872	110	80.00- 120.00	100.00(a)
6.799	6.939	-0.140	2066	0.00203	0.68	510.98- 550.98	3.38
6.939	7.079	-0.140	13509	0.00353	1.2	1975.46-2015.46	22.12
Average of Peak Concentrations =					36		
16 Aroclor-1254					CAS #: 11097-69-1		
9.716	9.856	-0.140	144876	0.05293	18	80.00- 120.00	100.00(a)
10.274	10.414	-0.140	44897	0.02616	8.7	42.71- 82.71	30.99

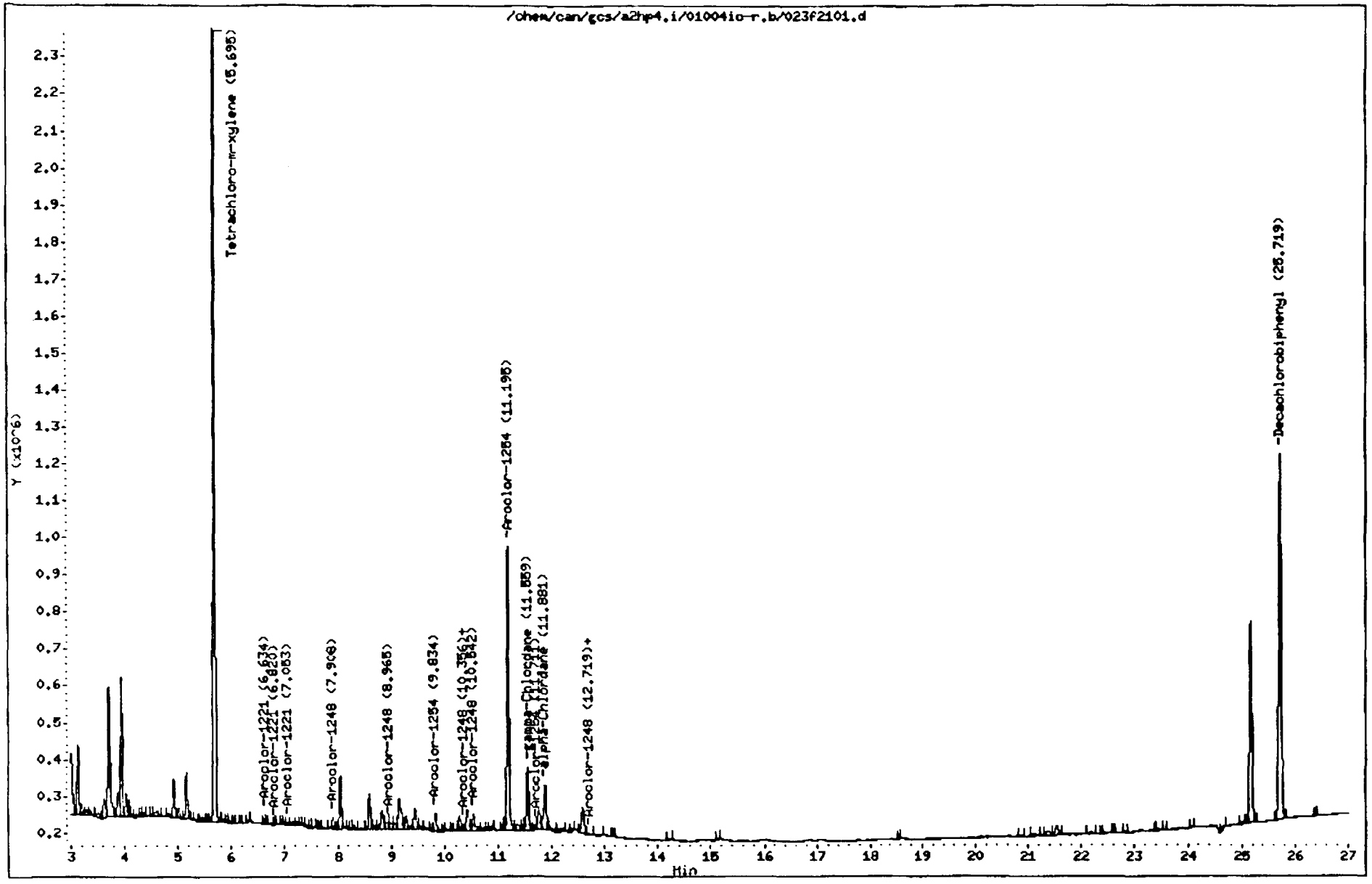
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
16 Aroclor-1254 (continued)							
11.172	11.312	-0.140	1959526	0.39489	130	161.28- 201.28	1352.55
11.592	11.732	-0.140	21899	0.00368	1.2	197.69- 237.69	15.12
12.613	12.753	-0.140	6484	0.000799	0.27	276.51- 316.51	4.48
Average of Peak Concentrations =					32		
14 gamma-Chlordane					CAS #: 5103-74-2		
11.487	11.627	-0.140	491068	0.00325	1.1	80.00- 120.00	100.00(a)
17 alpha-Chlordane					CAS #: 5103-71-9		
11.810	11.950	-0.140	377677	0.00250	0.83	80.00- 120.00	100.00(a)
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	3299284	0.03495	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/01004ic-r.b/023f2101.d
Date : 04-OCT-2000 02:03
Client ID: PBLANK2
Sample Info: DKQ3E101
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.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 00920IC

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/20/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920ic.b/019f1901.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 20-SEP-2000 10:13
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK1 C509
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920ic.b/clp30a.m
Meth Date : 05-Oct-2000 08:01 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 19 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	2629892	0.02114	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2363113	0.02296	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/009201c.b/019f1901.d

Date : 20-SEP-2000 10:13

Client ID: PIBLK1

Sample Info: PIBLK1 C509

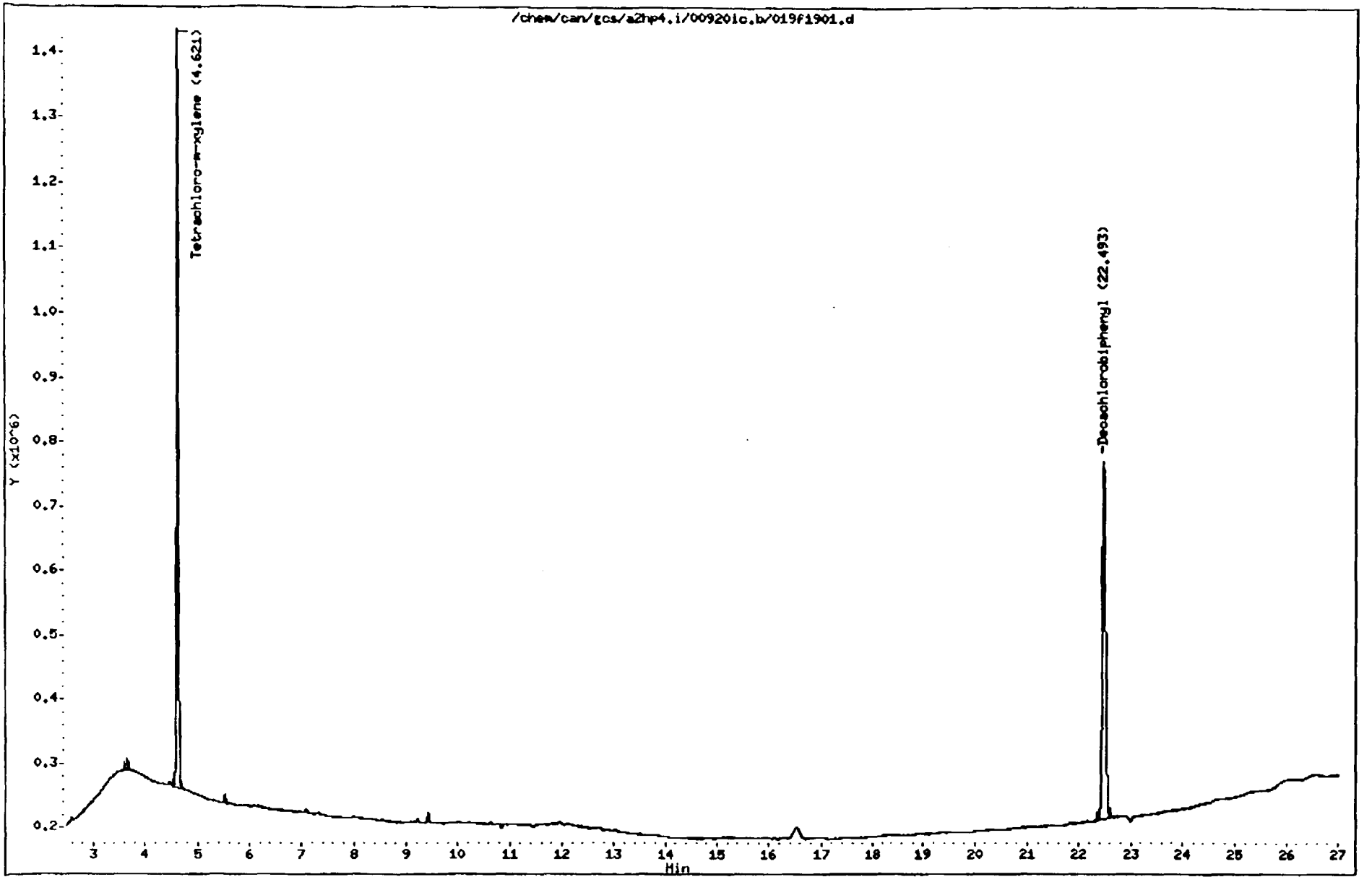
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 00920IC

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/20/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920ic-r.b/019f1901.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 20-SEP-2000 10:13
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK1 C509
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp4.i/00920ic-r.b/clp30b.m
Meth Date : 04-Oct-2000 07:59 dempstes Quant Type: ESTD
Cal Date : 20-SEP-2000 09:41 Cal File: 018f1801.d
Als bottle: 19 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

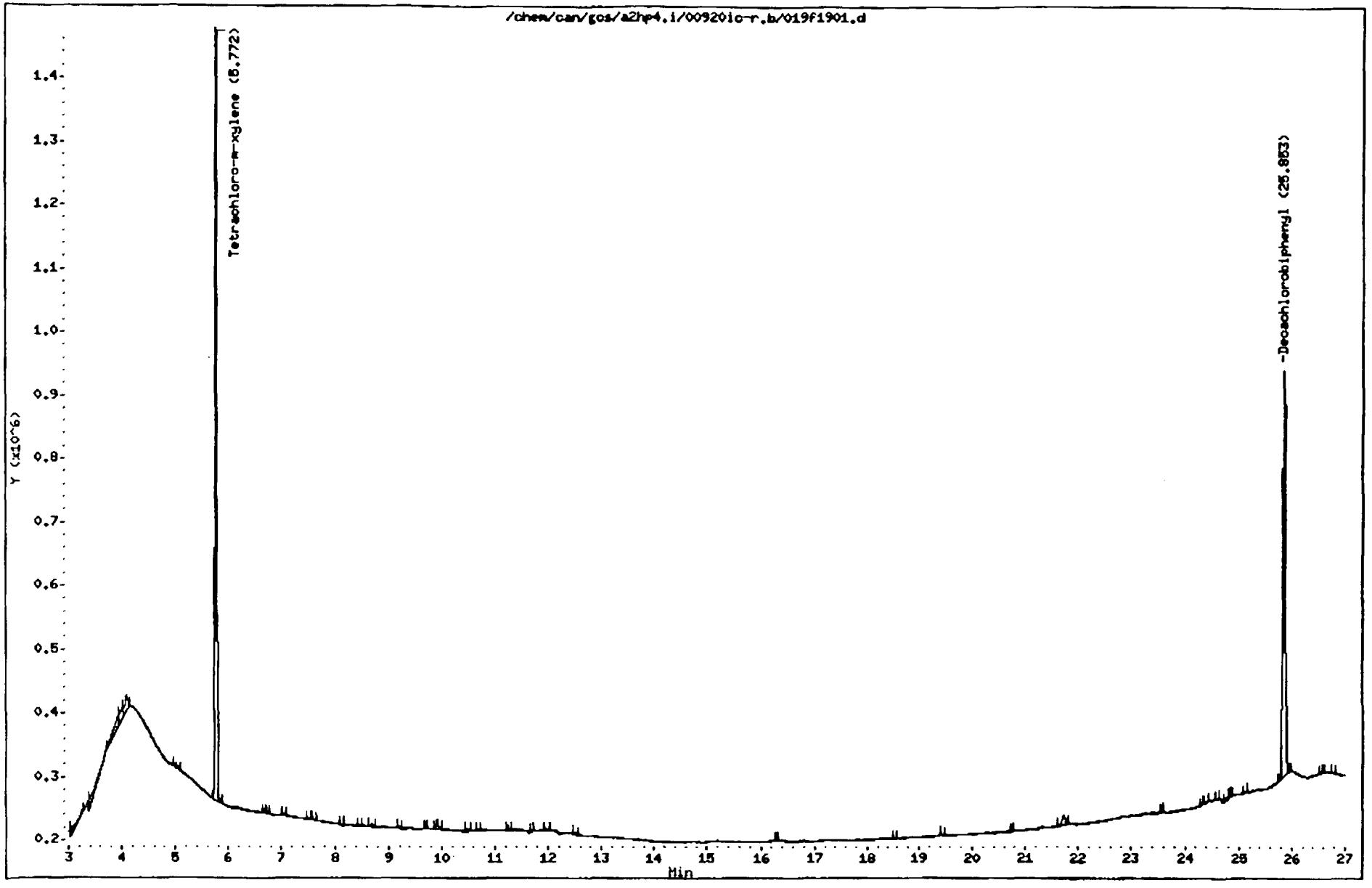
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	2847272	0.02114	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2158607	0.02284	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920ic-r.b/019f1901.d
Date : 20-SEP-2000 10:13
Client ID: PIBLK1
Sample Info: PIBLK1 C509
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.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 003F0301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/003f0301.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 21-SEP-2000 00:51
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK2 C509
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: 3 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

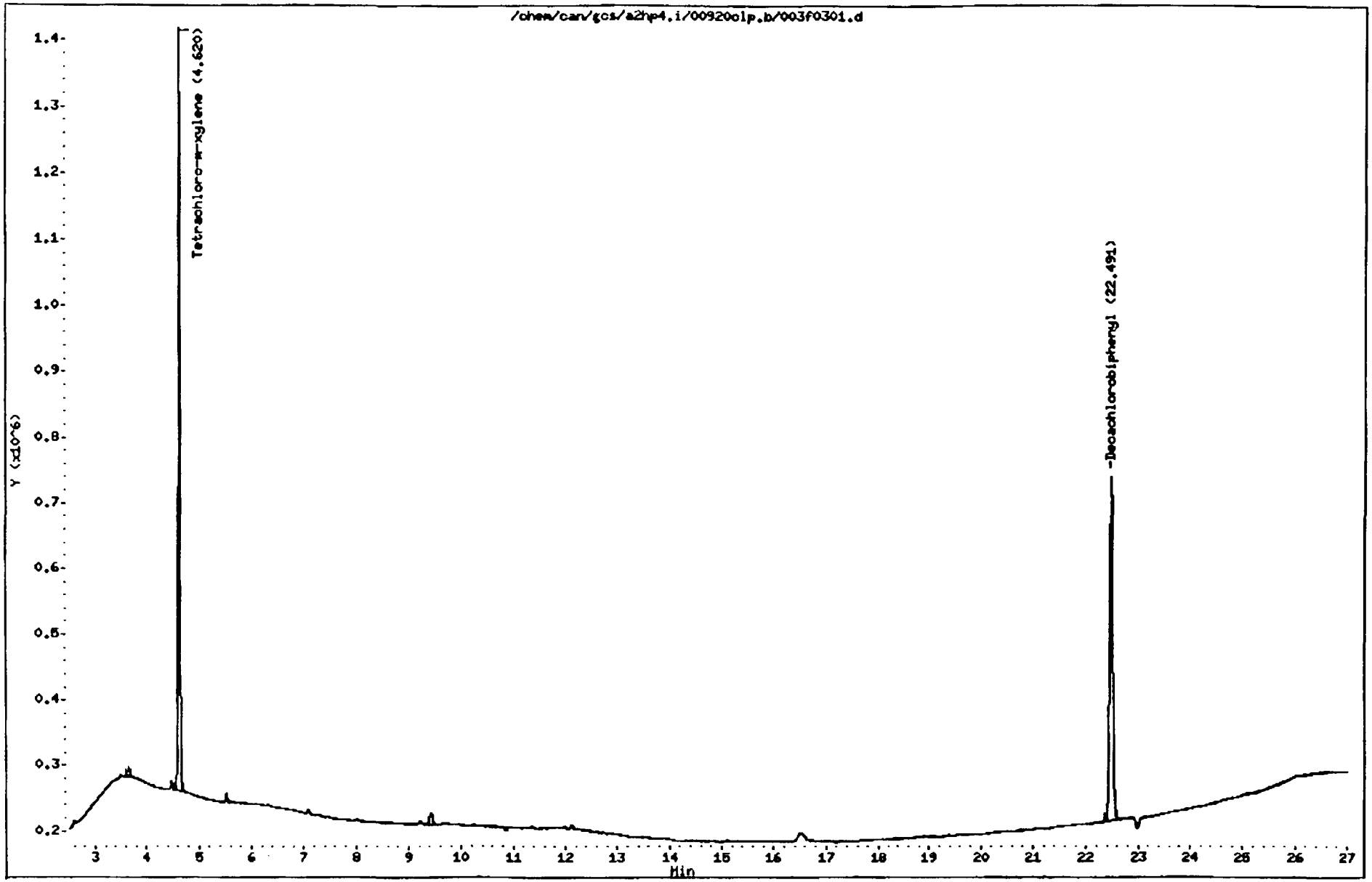
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	2649711	0.02130	0.21	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2250293	0.02188	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920olp.b/003f0301.d
Date : 21-SEP-2000 00:51
Client ID: PIBLK2
Sample Info: PIBLK2 C509
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp4.i

Operator: 1808
Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 003F0301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/003f0301.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 21-SEP-2000 00:51
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK2 C509
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: 3 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	2845511	0.02113	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2111355	0.02234	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920olp-r.b/003f0301.d

Page 2

Date : 21-SEP-2000 00:51

Client ID: PIBLK2

Instrument: a2hp4.i

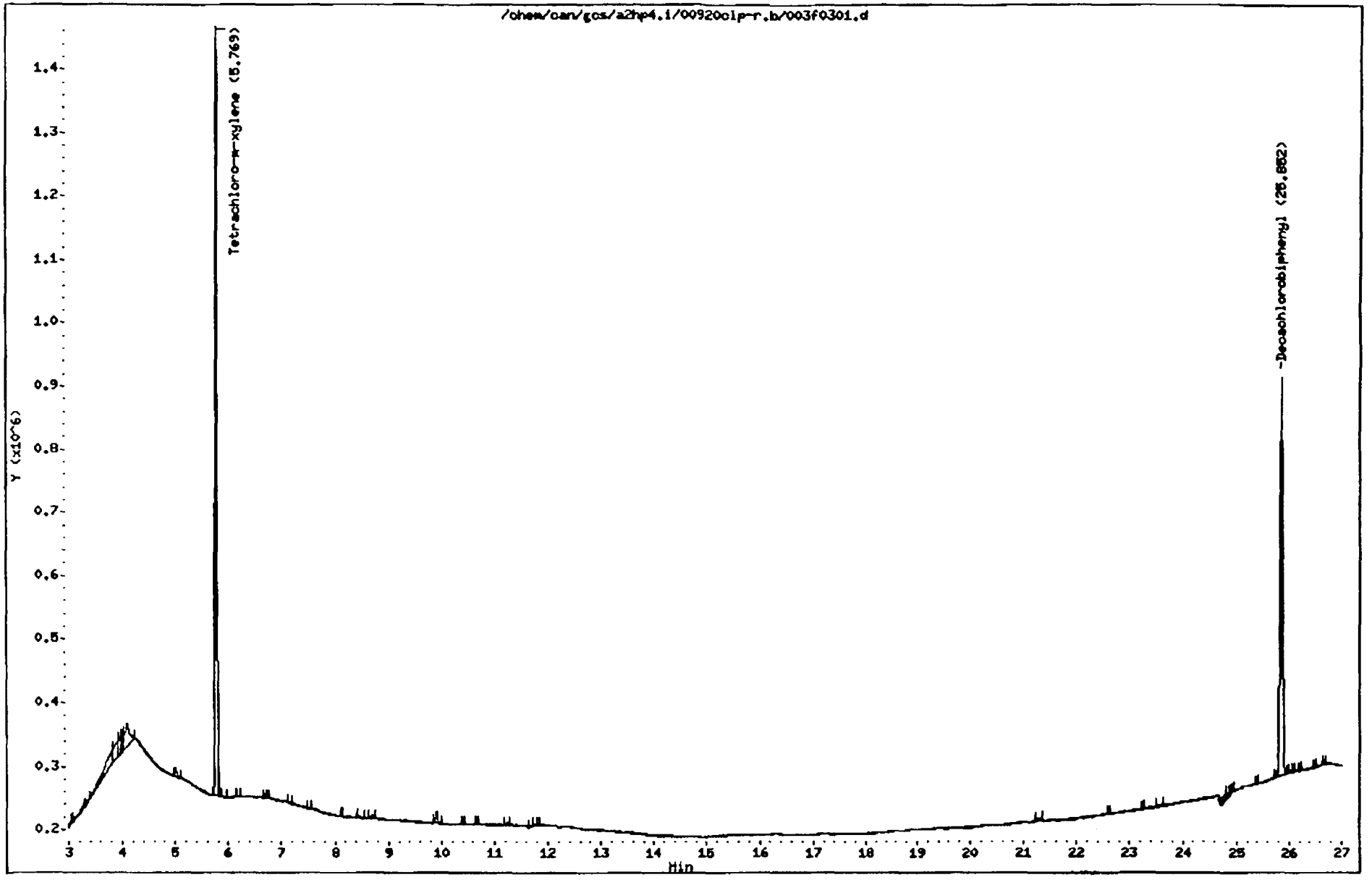
Sample Info: PIBLK2 C509

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLP2 PESTICIDES

Column diameter: 0.53



1600

STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 024F2401

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/024f2401.d
Lab Smp Id: C509 Client Smp ID: PIBLK3
Inj Date : 21-SEP-2000 12:10
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK3 C509
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: 24 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

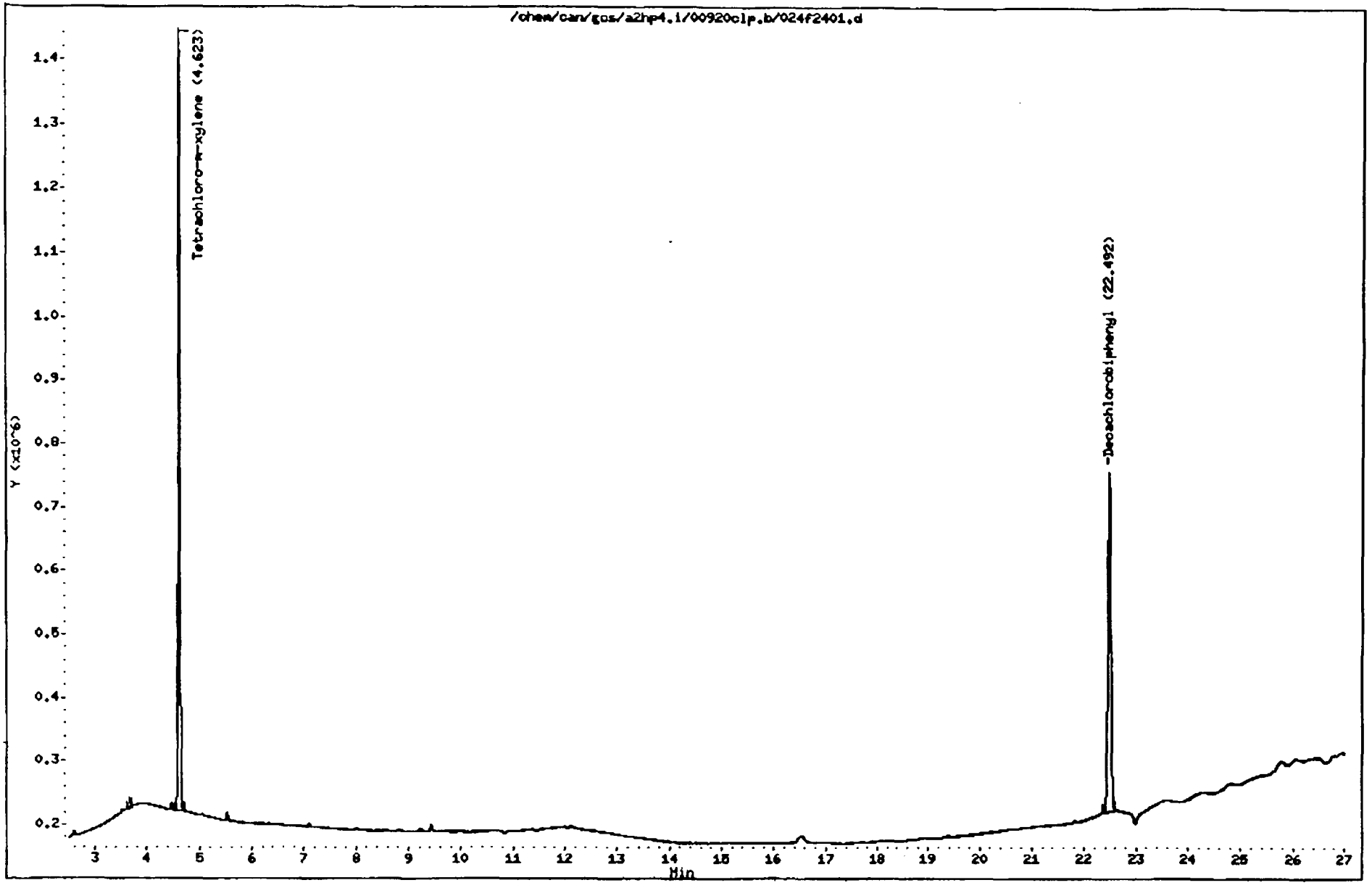
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.672	4.672	-0.100	2730902	0.02195	0.22	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2257767	0.02196	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/024f2401.d
Date : 21-SEP-2000 12:10
Client ID: PIBLK3
Sample Info: PIBLK3 C509
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 024F2401

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/024f2401.d
Lab Smp Id: C509 Client Smp ID: PIBLK3
Inj Date : 21-SEP-2000 12:10
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK3 C509
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: 24 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.722	5.822	-0.100	2938400	0.02182	0.22	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2191669	0.02319	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/024f2401.d

Date : 21-SEP-2000 12:10

Client ID: PIBLK3

Sample Info: PIBLK3 C509

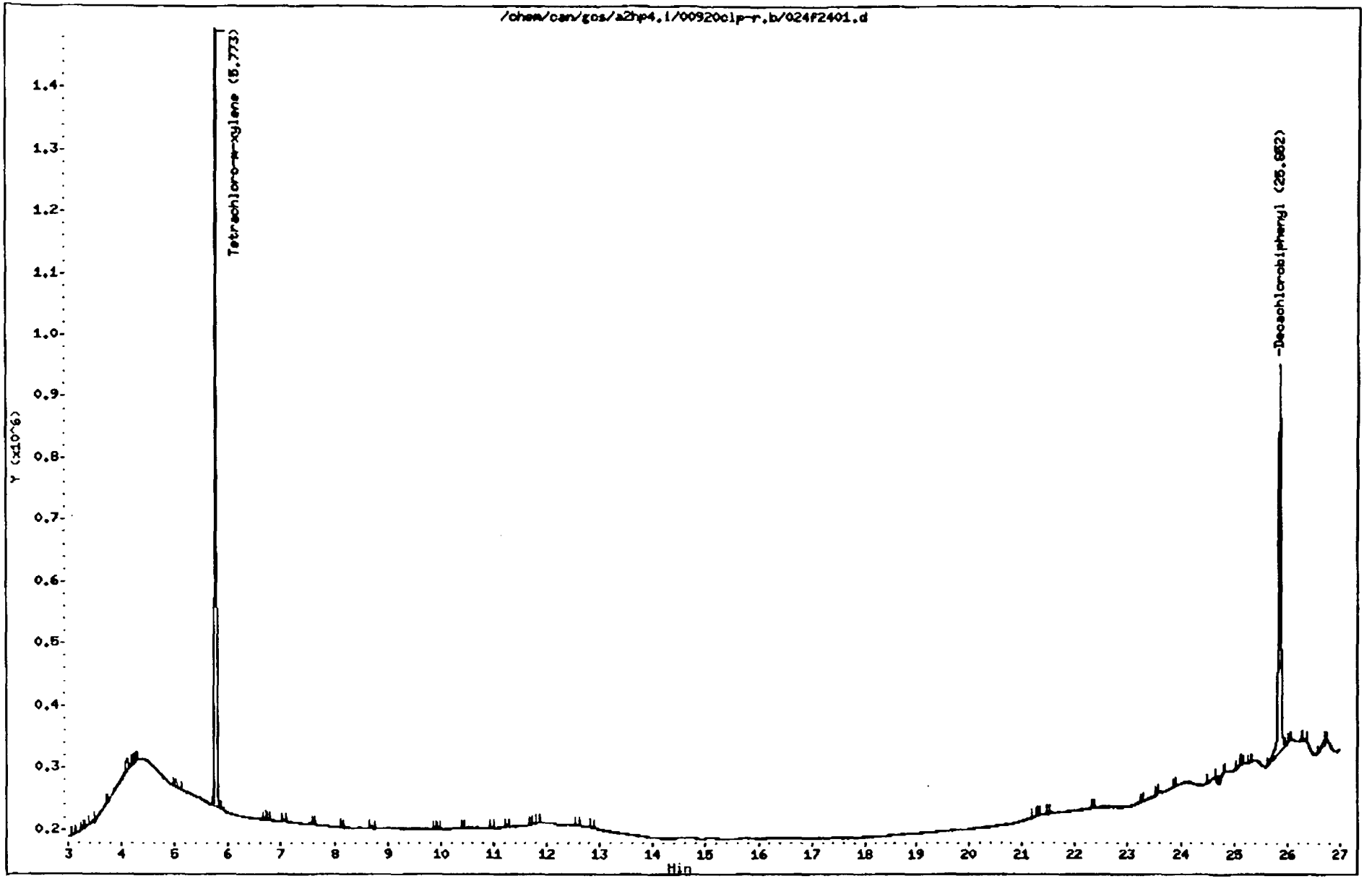
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK4

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 033F3301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp.b/033f3301.d
Lab Smp Id: C509 Client Smp ID: PIBLK4
Inj Date : 21-SEP-2000 17:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK4 C509
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: 33 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

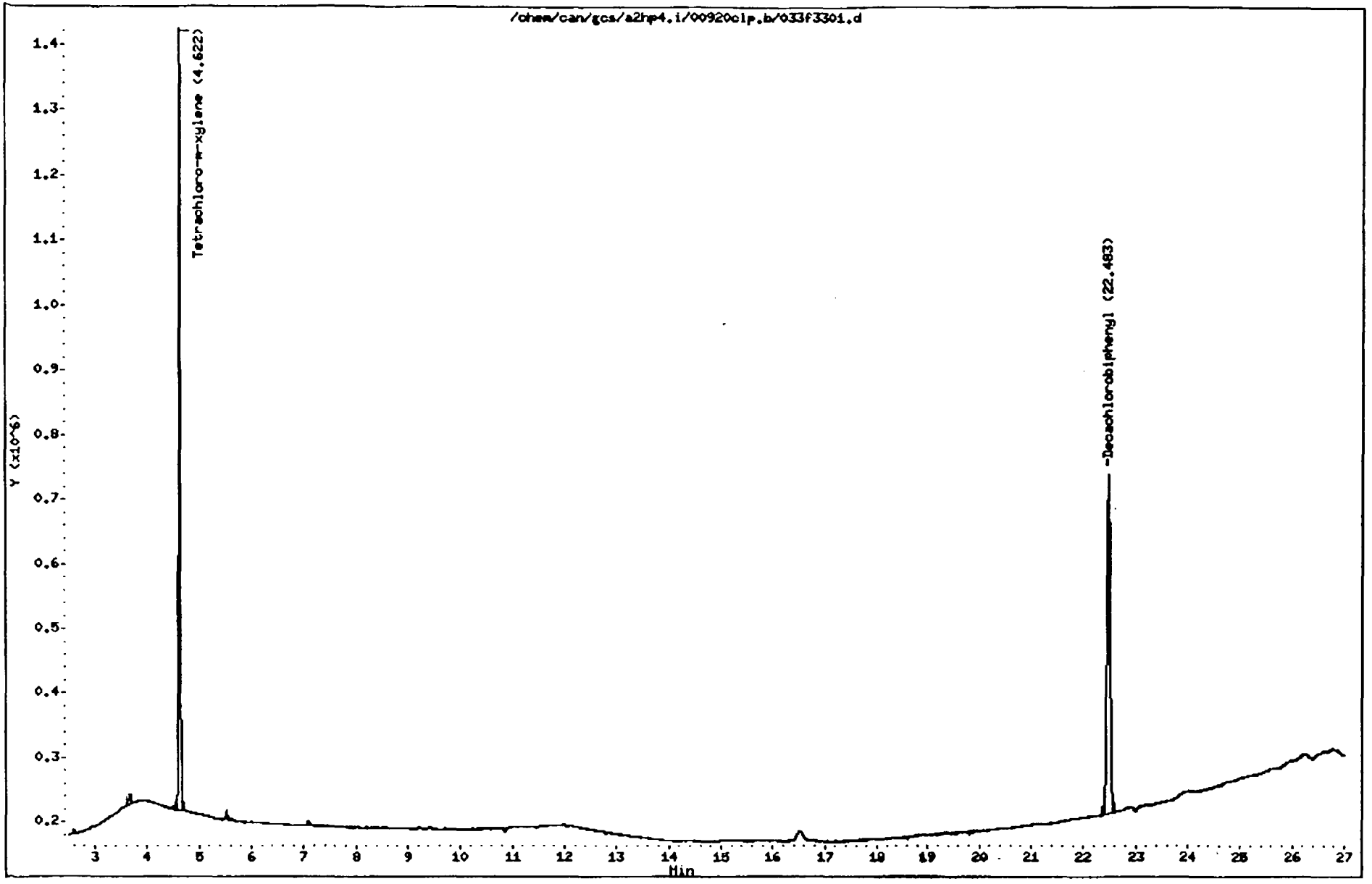
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.572	4.672	-0.100	2677283	0.02152	0.22	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.392	22.592	-0.200	2260292	0.02198	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp.b/033f3301.d
Date : 21-SEP-2000 17:00
Client ID: PIBLK4
Sample Info: PIBLK4 C509
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK4

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 033F3301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/21/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/00920clp-r.b/033f3301.d
Lab Smp Id: C509 Client Smp ID: PIBLK4
Inj Date : 21-SEP-2000 17:00
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK4 C509
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: 33 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.722	8.822	-0.100	2895768	0.02150	0.22	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.753	25.953	-0.200	2119747	0.02243	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/00920clp-r.b/033f3301.d

Date : 21-SEP-2000 17:00

Client ID: PIBLK4

Sample Info: PIBLK4 C509

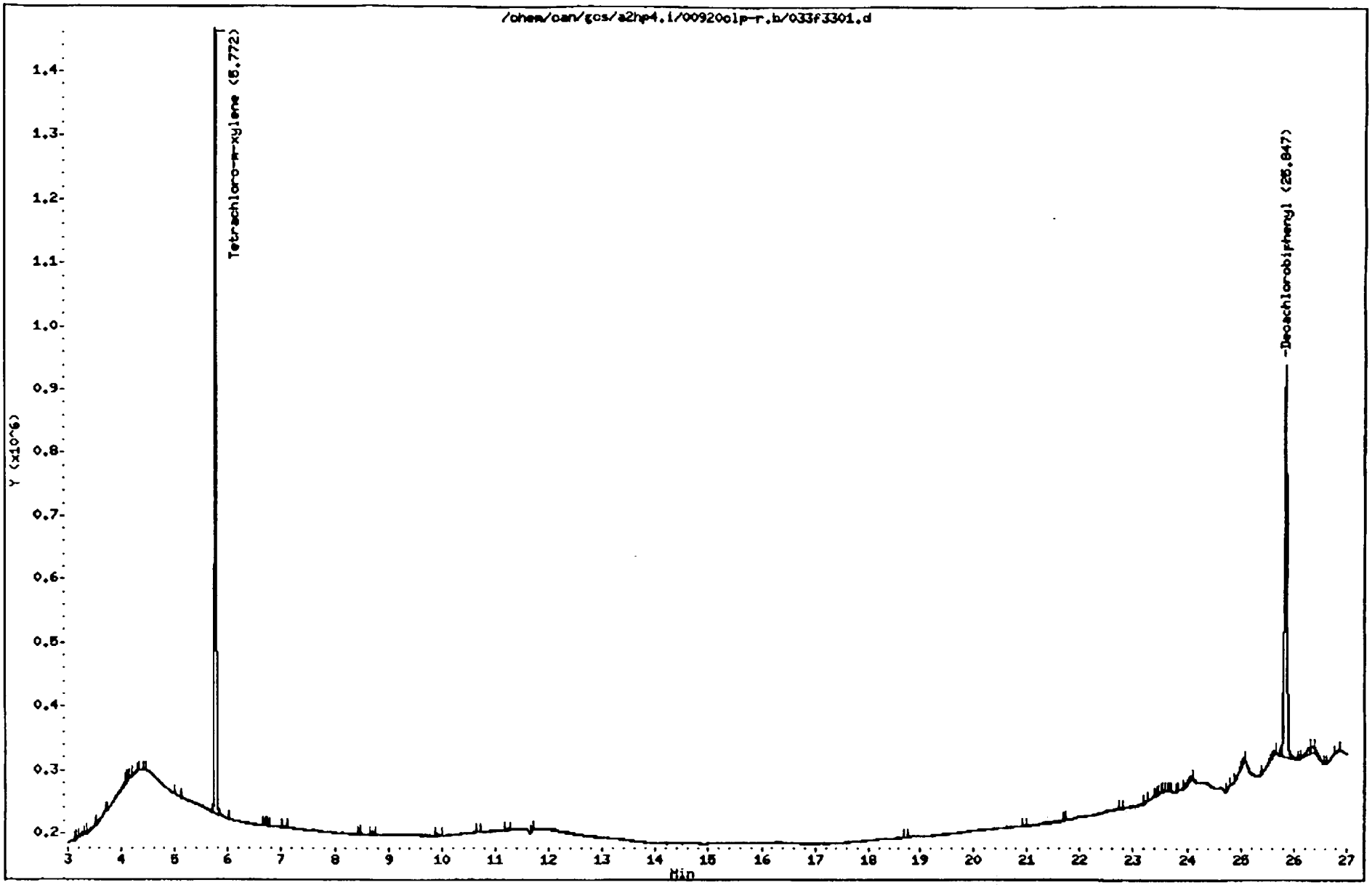
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1701

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/03/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC(Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.025	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/019f1701.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 03-OCT-2000 23:54
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK1 C509
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: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	2869327	0.02119	0.21	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	2210707	0.02239	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/01004ic.b/019f1701.d

Date : 03-OCT-2000 23:54

Client ID: PIBLK1

Instrument: a2hp4.i

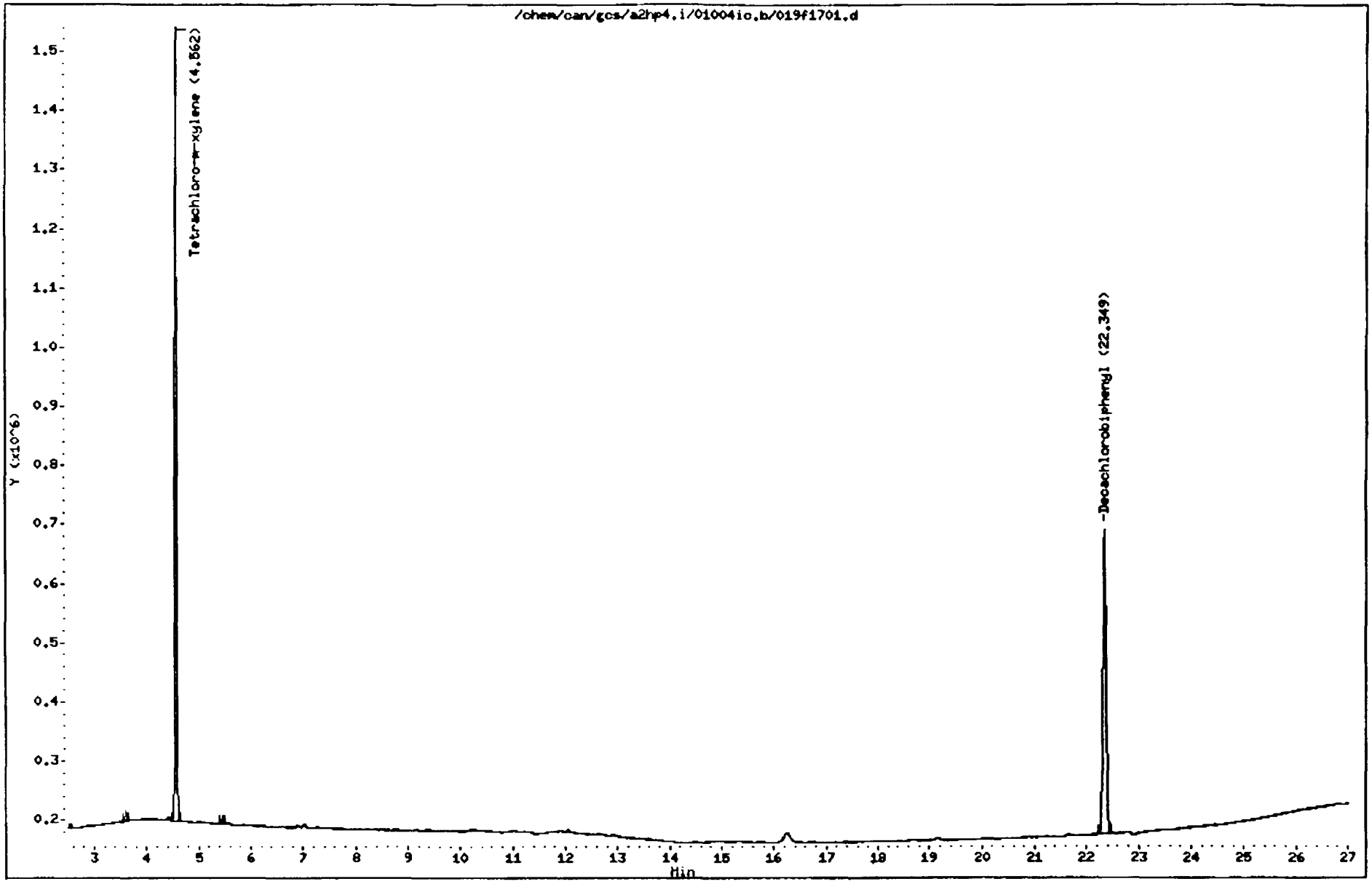
Sample Info: PIBLK1 C509

Volume Injected (uL): 1.0

Operator: 1808

Column phase: Rtx-CLPPESTICIDES

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1701

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/03/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/019f1701.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 03-OCT-2000 23:54
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK1 C509
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 23:22 Cal File: 018f1601.d
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	3089460	0.02124	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.611	25.811	-0.200	2032810	0.02253	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/01004ic-r.b/019f1701.d

Date : 03-OCT-2000 23:54

Client ID: PIBLK1

Sample Info: PIBLK1 C509

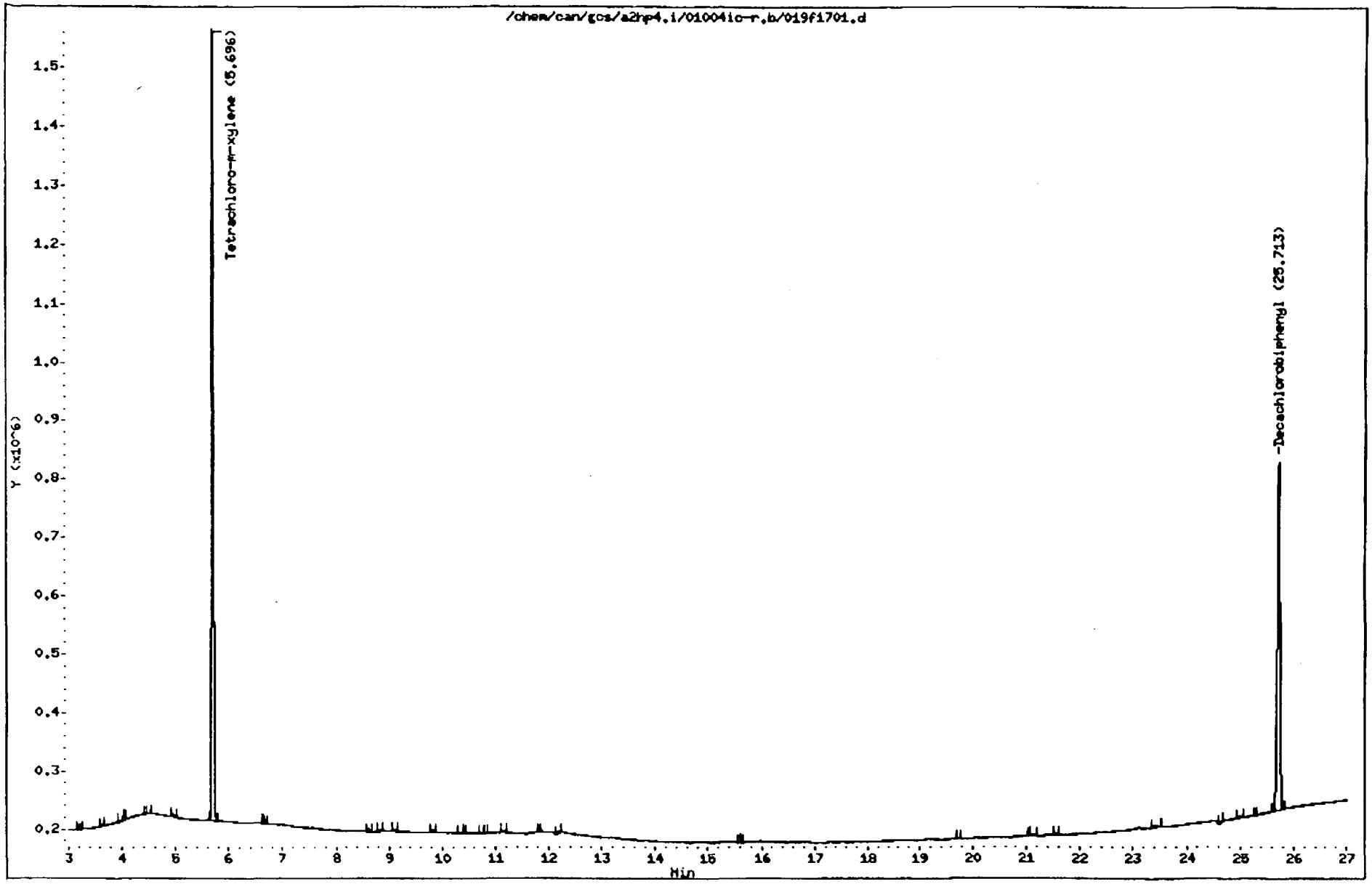
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp4.i

Operator: 1808

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 033F3101

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic.b/033f3101.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 04-OCT-2000 07:26
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK2 C509
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: 33 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

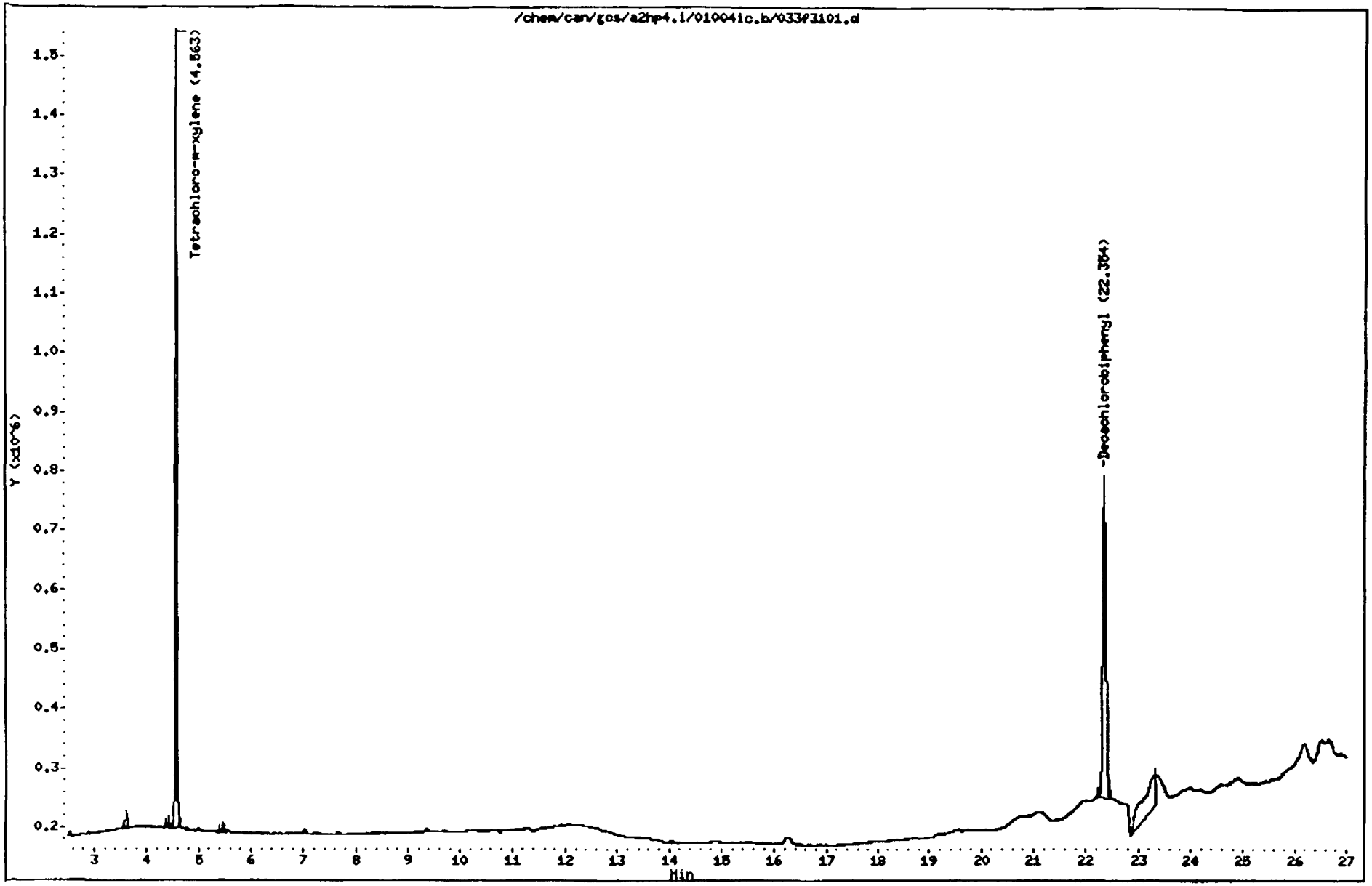
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.510	4.610	-0.100	2901404	0.02142	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
22.249	22.449	-0.200	2309406	0.02339	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/01004ic.b/033f3101.d
Date : 04-OCT-2000 07:26
Client ID: PIBLK2
Sample Info: PIBLK2 C509
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 033F3101

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp4.i/01004ic-r.b/033f3101.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 04-OCT-2000 07:26
Operator : 1808 Inst ID: a2hp4.i
Smp Info : PIBLK2 C509
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 23:22 Cal File: 018f1601.d
Als bottle: 33 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

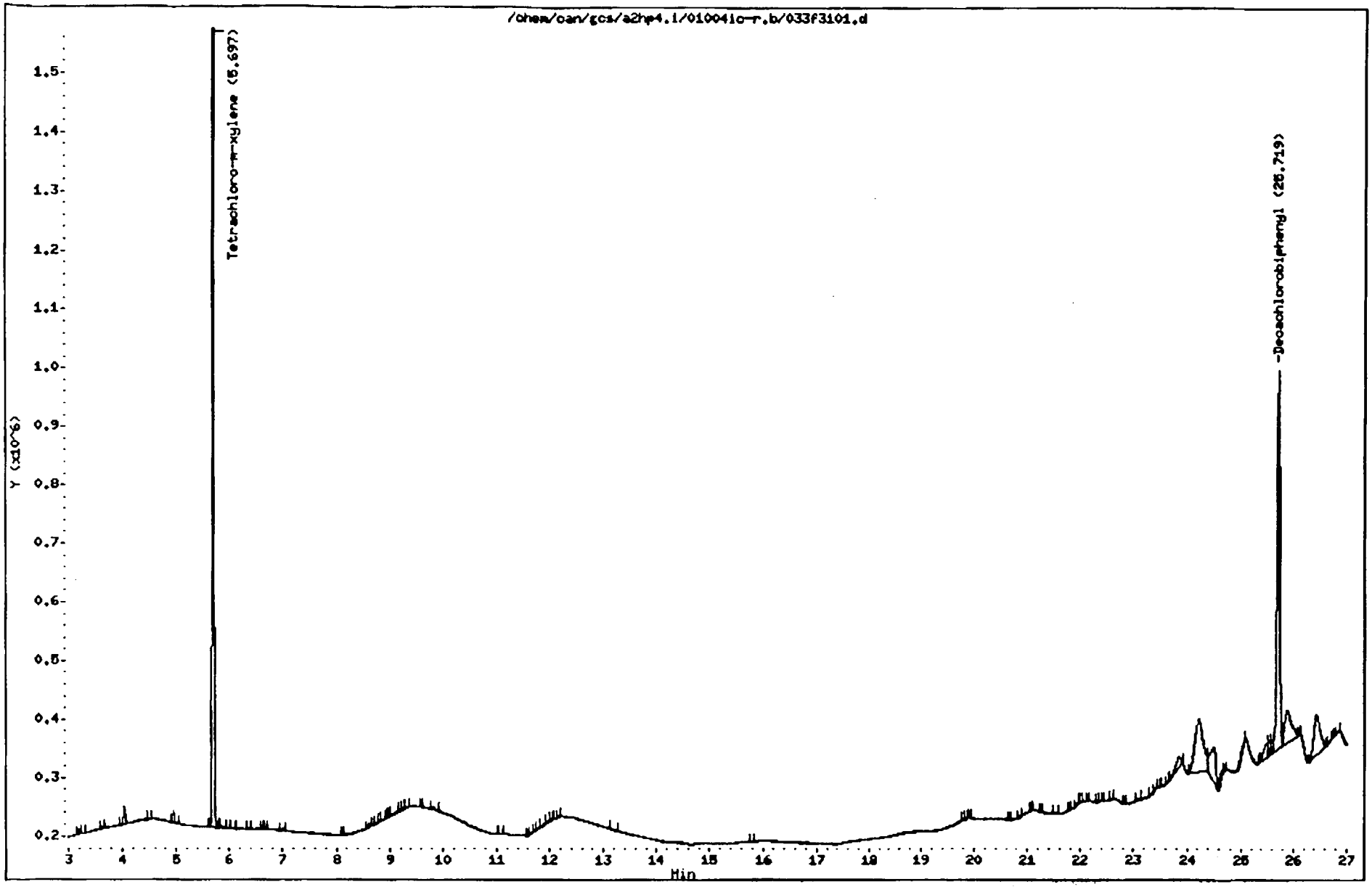
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.645	5.745	-0.100	3136439	0.02156	0.22	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
25.612	25.812	-0.200	2349095	0.02603	0.26	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp4.i/010041c-r.b/033f3101.d
Date : 04-OCT-2000 07:26
Client ID: PIBLK2
Sample Info: PIBLK2 C509
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.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/019f1901.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 13-OCT-2000 01:43
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic.b/clp30a.m
Meth Date : 24-Oct-2000 01:42 kusterr Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	3894943	0.02073	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3492161	0.02221	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131c.b/019f1901.d

Date : 13-OCT-2000 01:43

Client ID: PIBLK1

Sample Info: PIBLK1

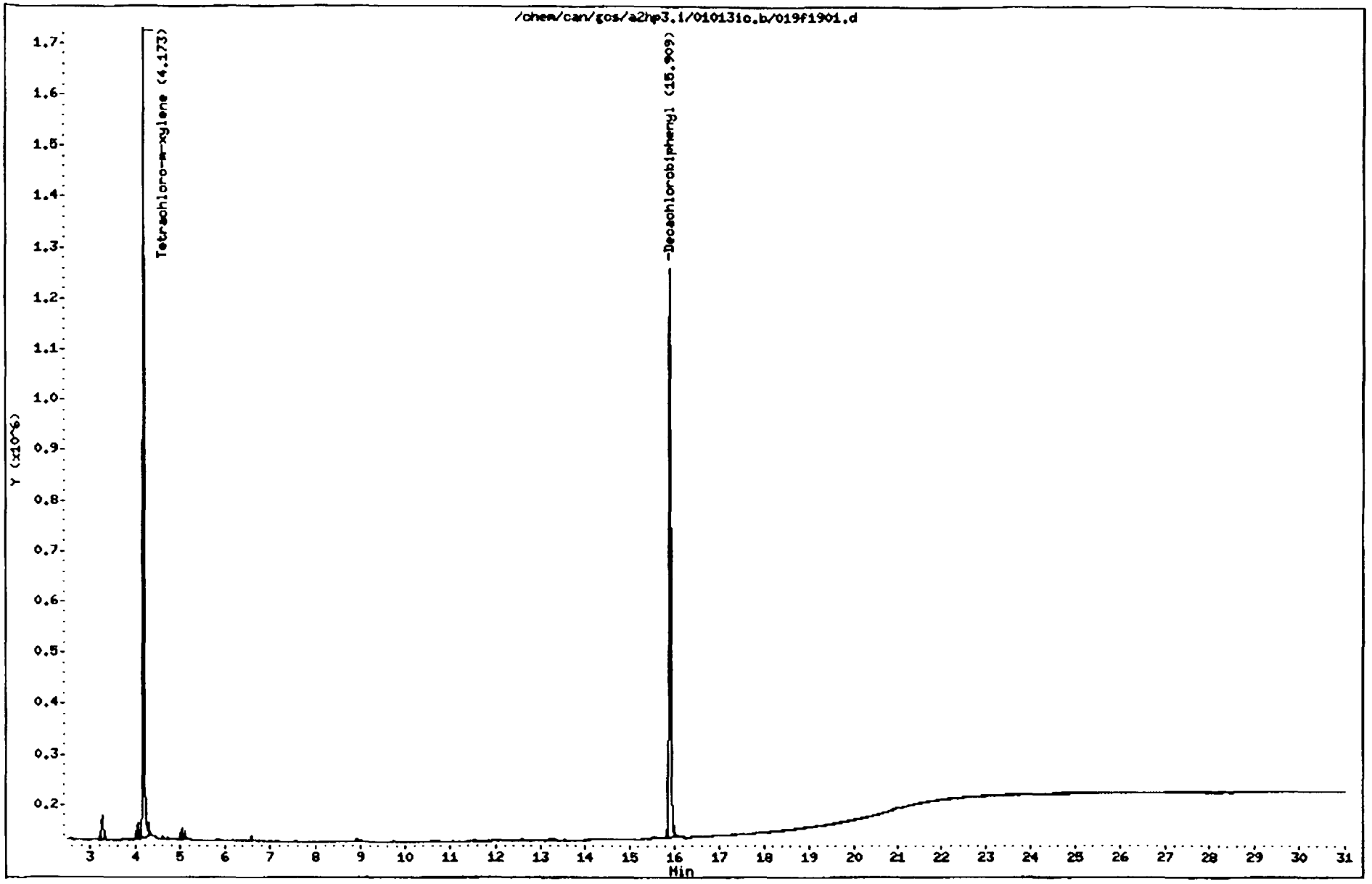
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/019f1901.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 13-OCT-2000 01:43
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01013ic-r.b/clp30b.m
Meth Date : 16-Oct-2000 08:20 dempstes Quant Type: ESTD
Cal Date : 13-OCT-2000 01:06 Cal File: 018f1801.d
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

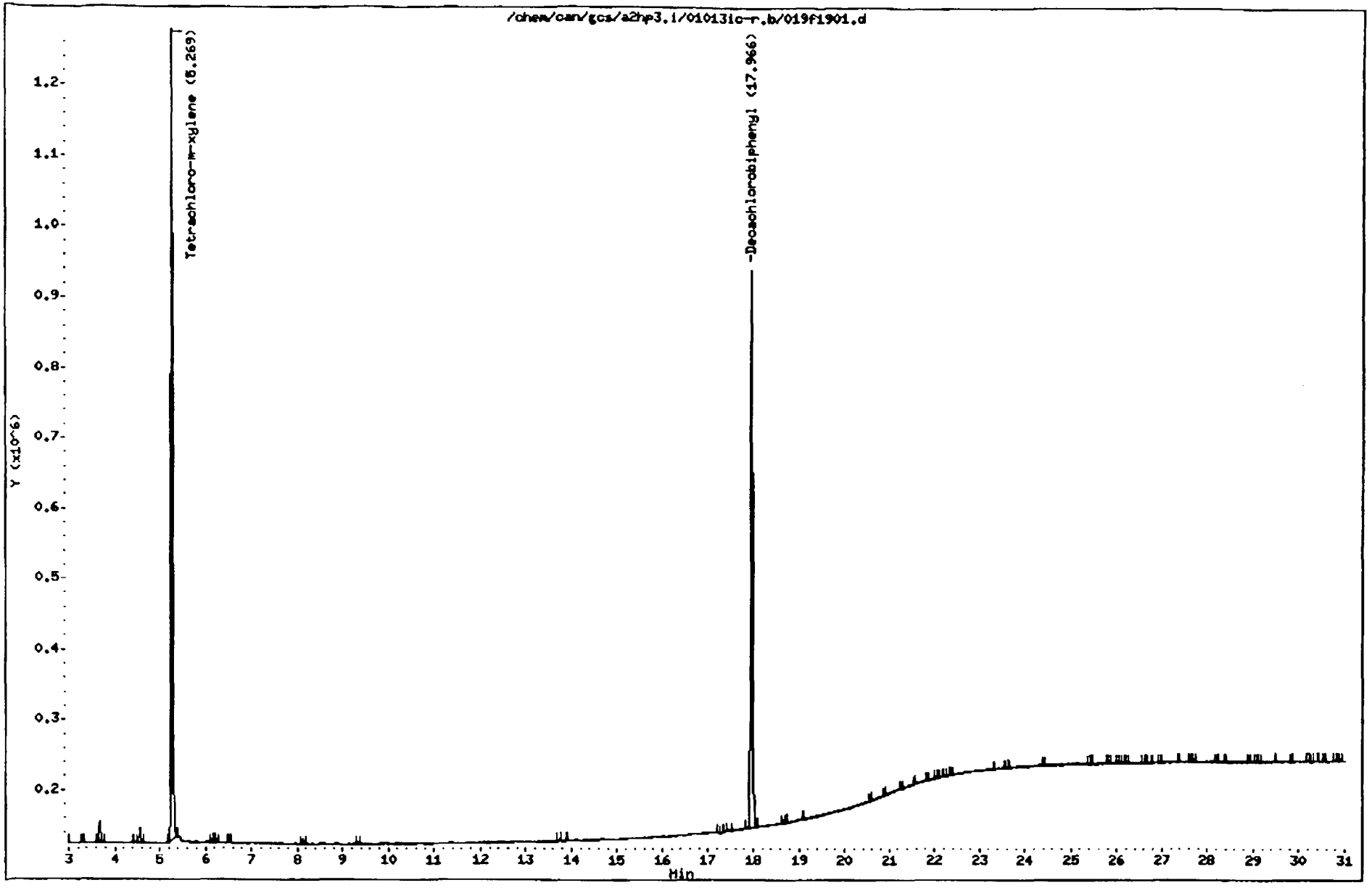
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	2933104	0.02063	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2456266	0.02229	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/019f1901.d
Date : 13-OCT-2000 01:43
Client ID: PIBLK1
Sample Info: PIBLK1
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.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 036F3601

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/036f3601.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 13-OCT-2000 12:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK2
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: 36 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

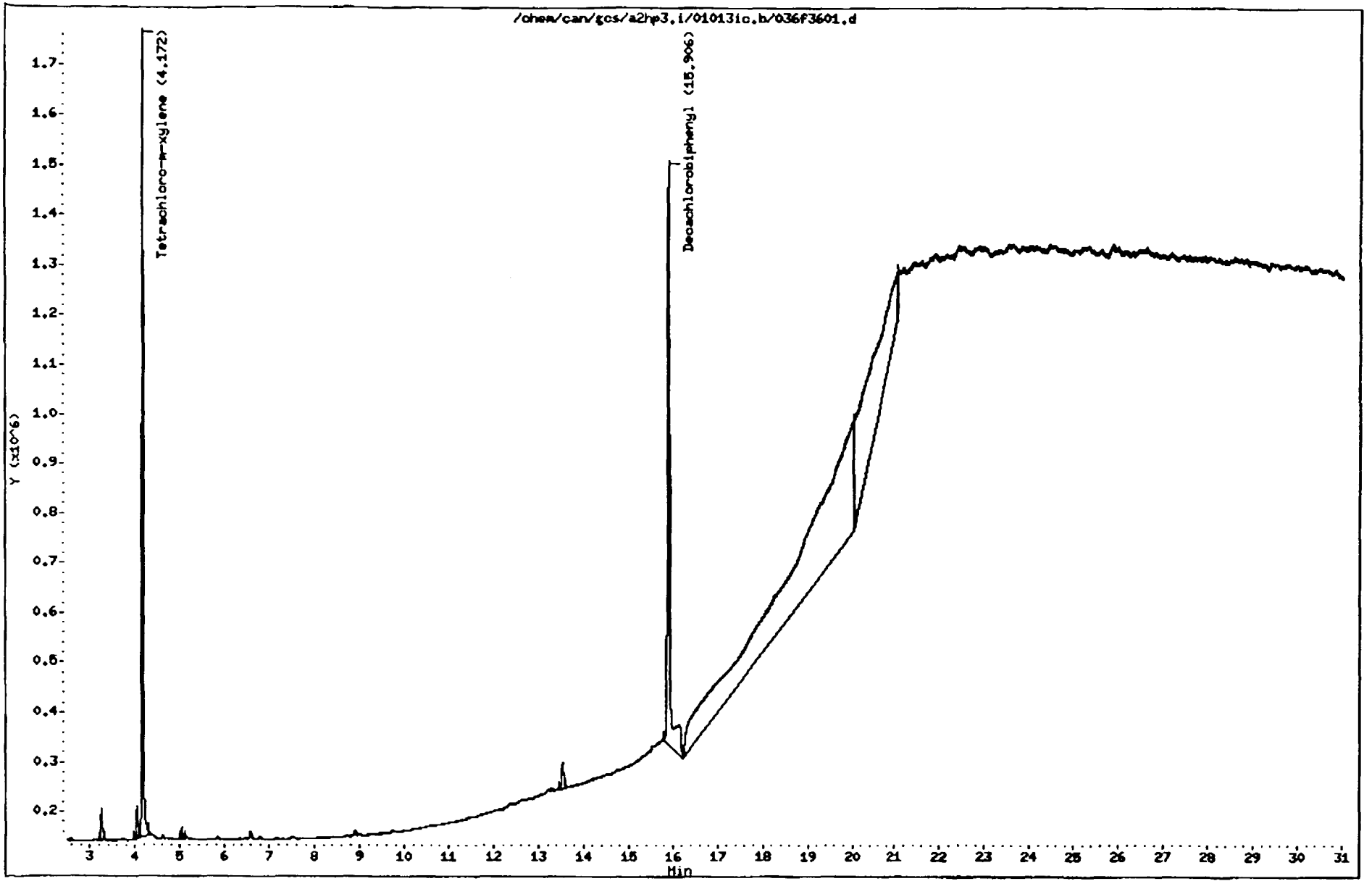
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	3935240	0.02095	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	4413842	0.02807	0.28	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic.b/036f3601.d
Date : 13-OCT-2000 12:16
Client ID: PIBLK2
Sample Info: PIBLK2
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 036F3601

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/036f3601.d
Lab Smp Id: C509 Client Smp ID: PIBLK2
Inj Date : 13-OCT-2000 12:16
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK2
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: 36 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

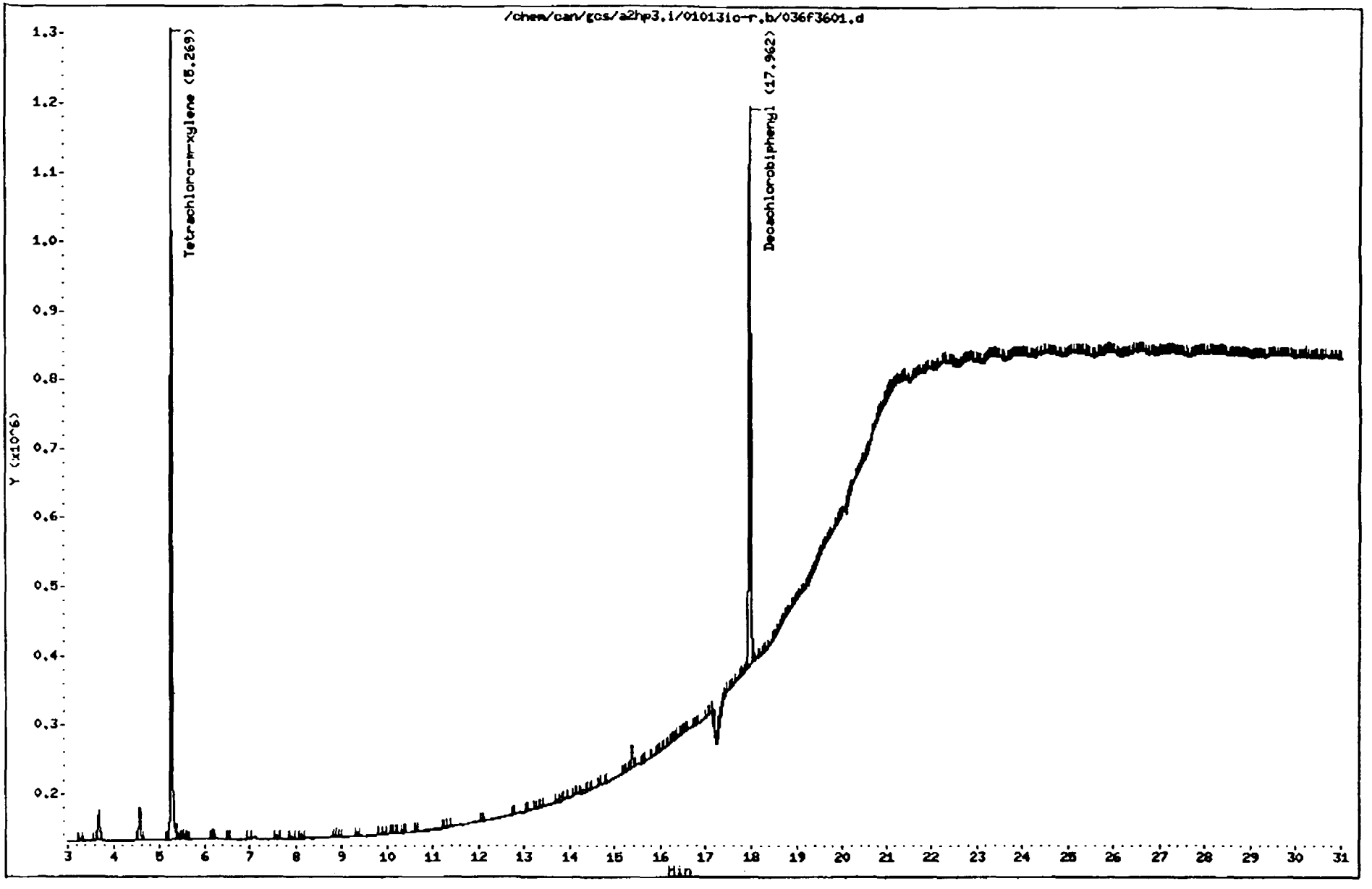
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.218	5.319	-0.100	3039554	0.02138	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	2449986	0.02224	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/036f3601.d
Date : 13-OCT-2000 12:16
Client ID: PIBLK2
Sample Info: PIBLK2
Volume Injected (uL): 1.0
Column phase: Rtx-CLP2 PESTICIDES

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



STL North Canton

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 052F5201

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic.b/052f5201.d
Lab Smp Id: C509 Client Smp ID: PIBLK3
Inj Date : 13-OCT-2000 22:12
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK
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: 52 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

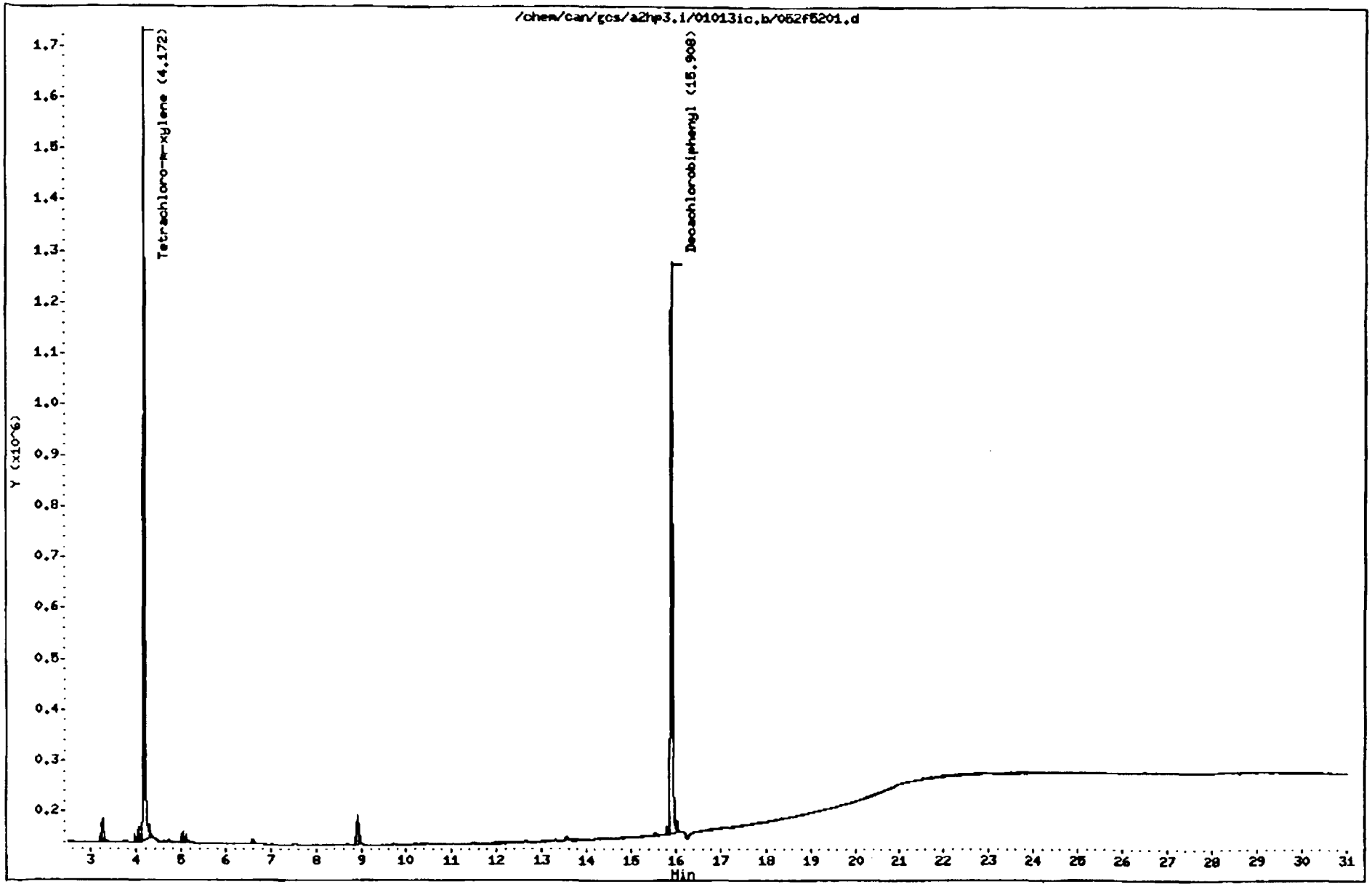
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.122	4.222	-0.100	3901450	0.02077	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3506093	0.02230	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010131c.b/052f5201.d
Date : 13-OCT-2000 22:12
Client ID: PIBLK3
Sample Info: PIBLK
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.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 052F5201

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01013ic-r.b/052f5201.d
Lab Smp Id: C509 Client Smp ID: PIBLK3
Inj Date : 13-OCT-2000 22:12
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK
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: 52 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

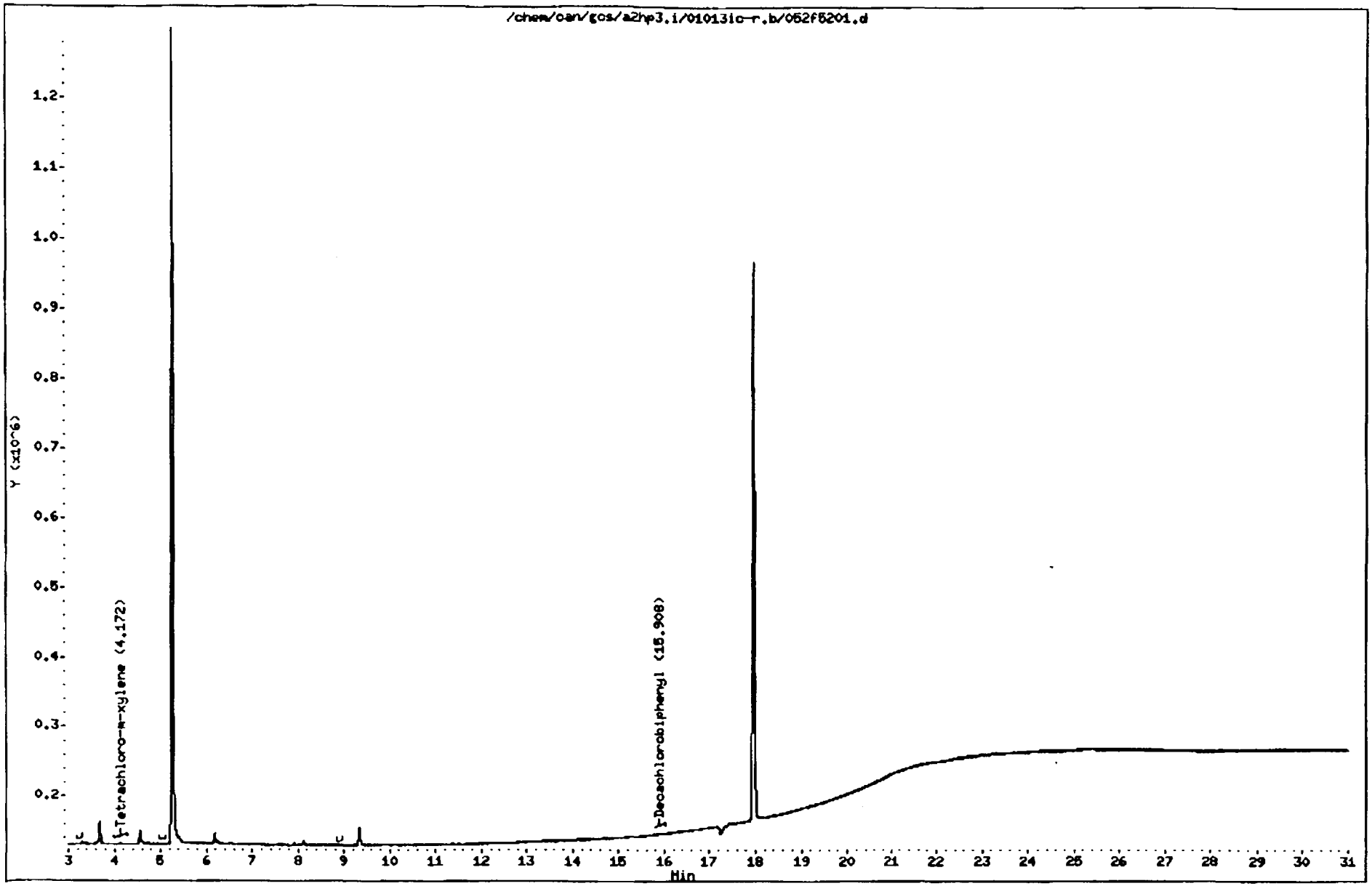
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
# 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.219	5.319	-0.100	3901450	0.02744	0.27	80.00- 120.00	100.00
# 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.866	18.066	-0.200	3506093	0.03182	0.32	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /chem/can/gcs/a2hp3.i/01013ic-r.b/052f5201.d
Date : 13-OCT-2000 22:12
Client ID: PIBLK3
Sample Info: PIBLK
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.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01016c.b/019f1901.d
Lab Smp Id: C509 Client Smp ID: PIBLK1
Inj Date : 17-OCT-2000 00:41
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c.b/clp30a.m
Meth Date : 27-Oct-2000 11:54 dempstes Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

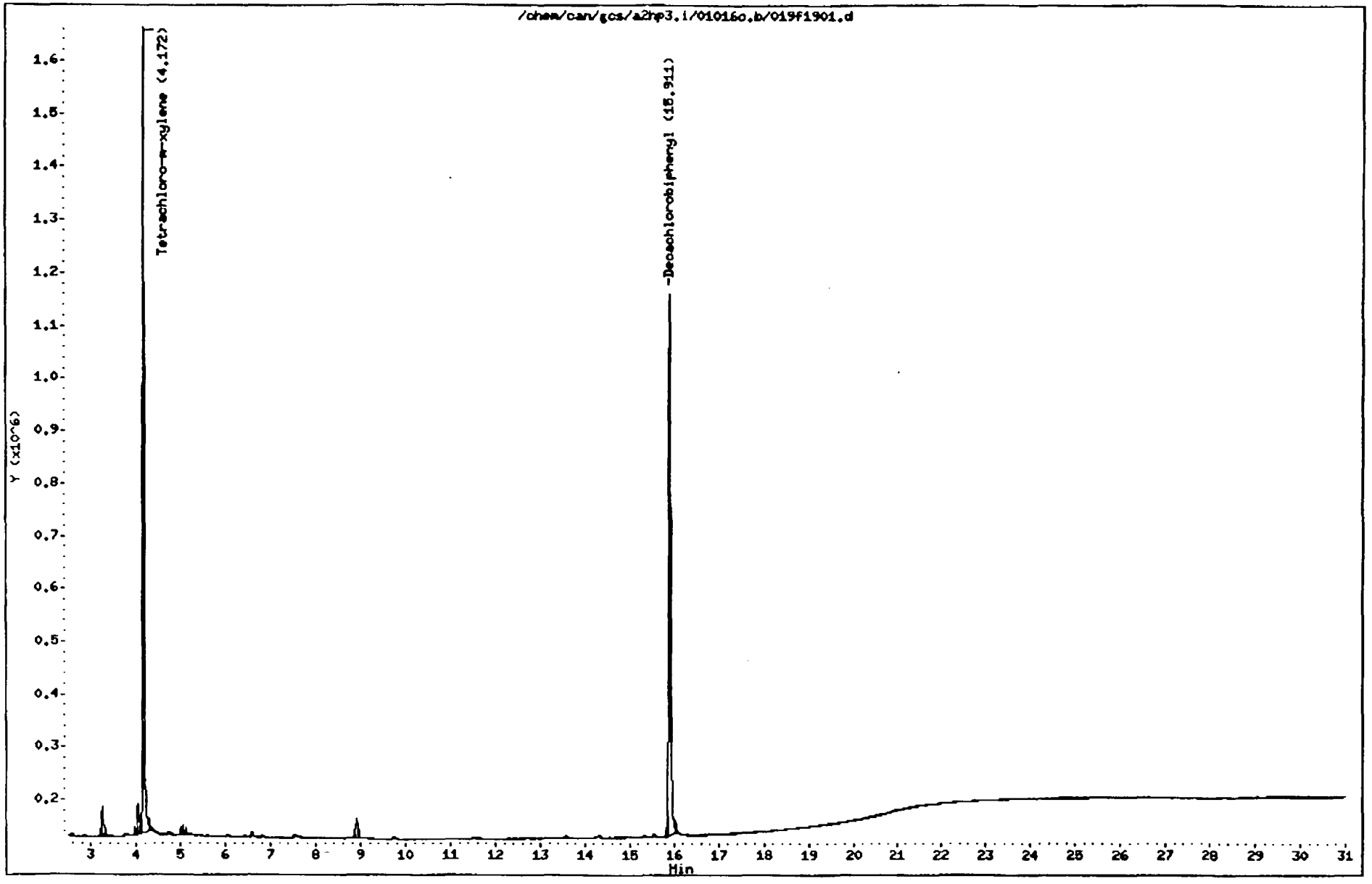
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3785841	0.02084	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3433485	0.02285	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/010160.b/019f1901.d
Date : 17-OCT-2000 00:41
Client ID: PIBLK1
Sample Info: PIBLK1
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

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



1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK1

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C519

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01016c-r.b/019f1901.d
Lab Smp Id: C519 Client Smp ID: PIBLK1
Inj Date : 17-OCT-2000 00:41
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK1
Misc Info :
Comment :
Method : /chem/can/gcs/a2hp3.i/01016c-r.b/clp30b.m
Meth Date : 27-Oct-2000 12:10 dempstes Quant Type: ESTD
Cal Date : 17-OCT-2000 00:04 Cal File: 018f1801.d
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

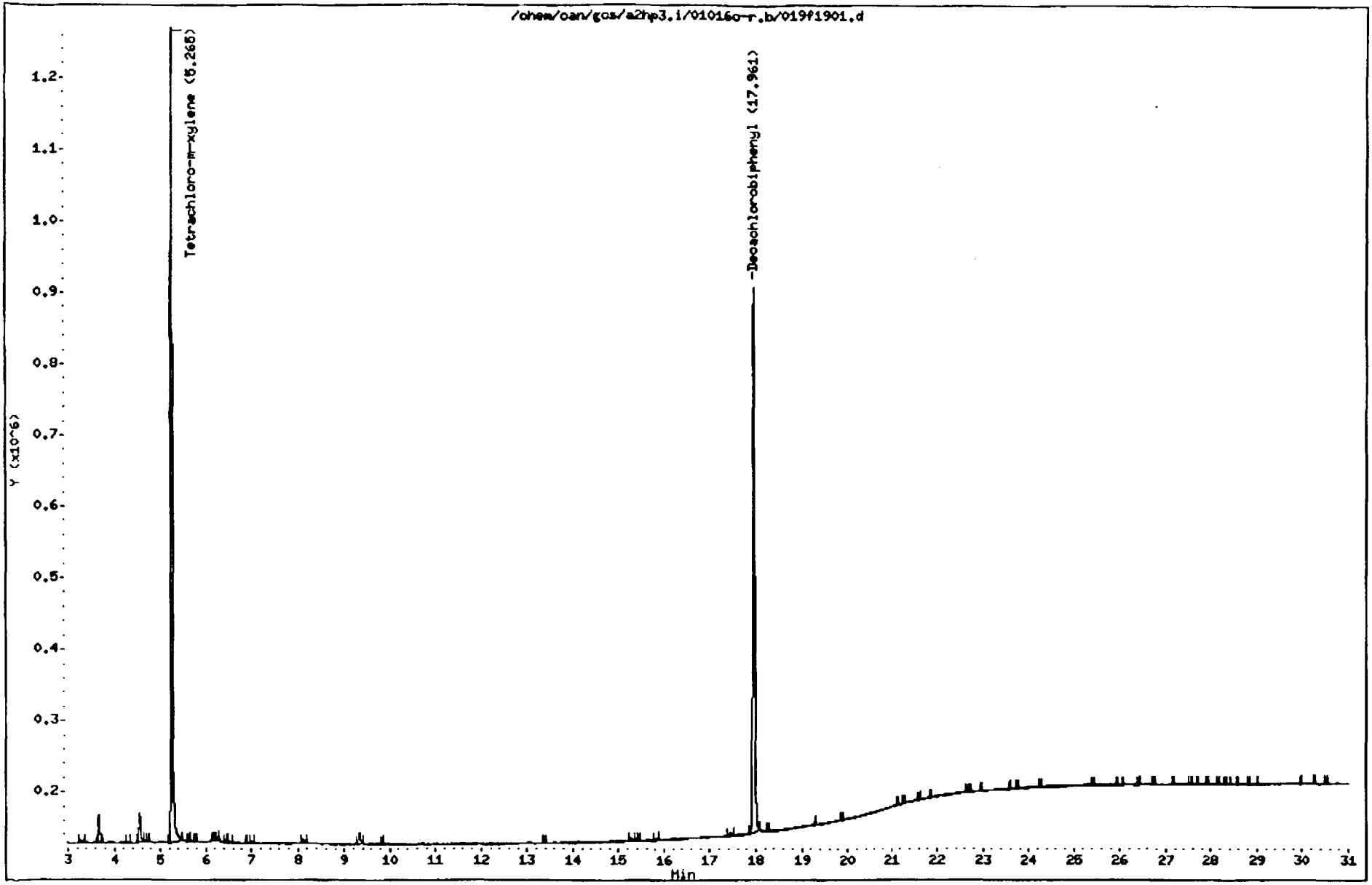
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	3024493	0.02038	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2431863	0.02258	0.22	80.00- 120.00	100.00

Data File: /chem/oan/gcs/a2hp3.i/01016o-r.b/019f1901.d
Date : 17-OCT-2000 00:41
Client ID: PIBLK1
Sample Info: PIBLK1
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.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK2 C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 003F0301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a.b/003f0301.d
Lab Smp Id: PIBLK2 C509 Client Smp ID: PIBLK2
Inj Date : 17-OCT-2000 19:24
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK2 C509
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: 3 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3719133	0.02048	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3266040	0.02173	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a.b/003f0301.d

Date : 17-OCT-2000 19:24

Client ID: PIBLK2

Sample Info: PIBLK2 C509

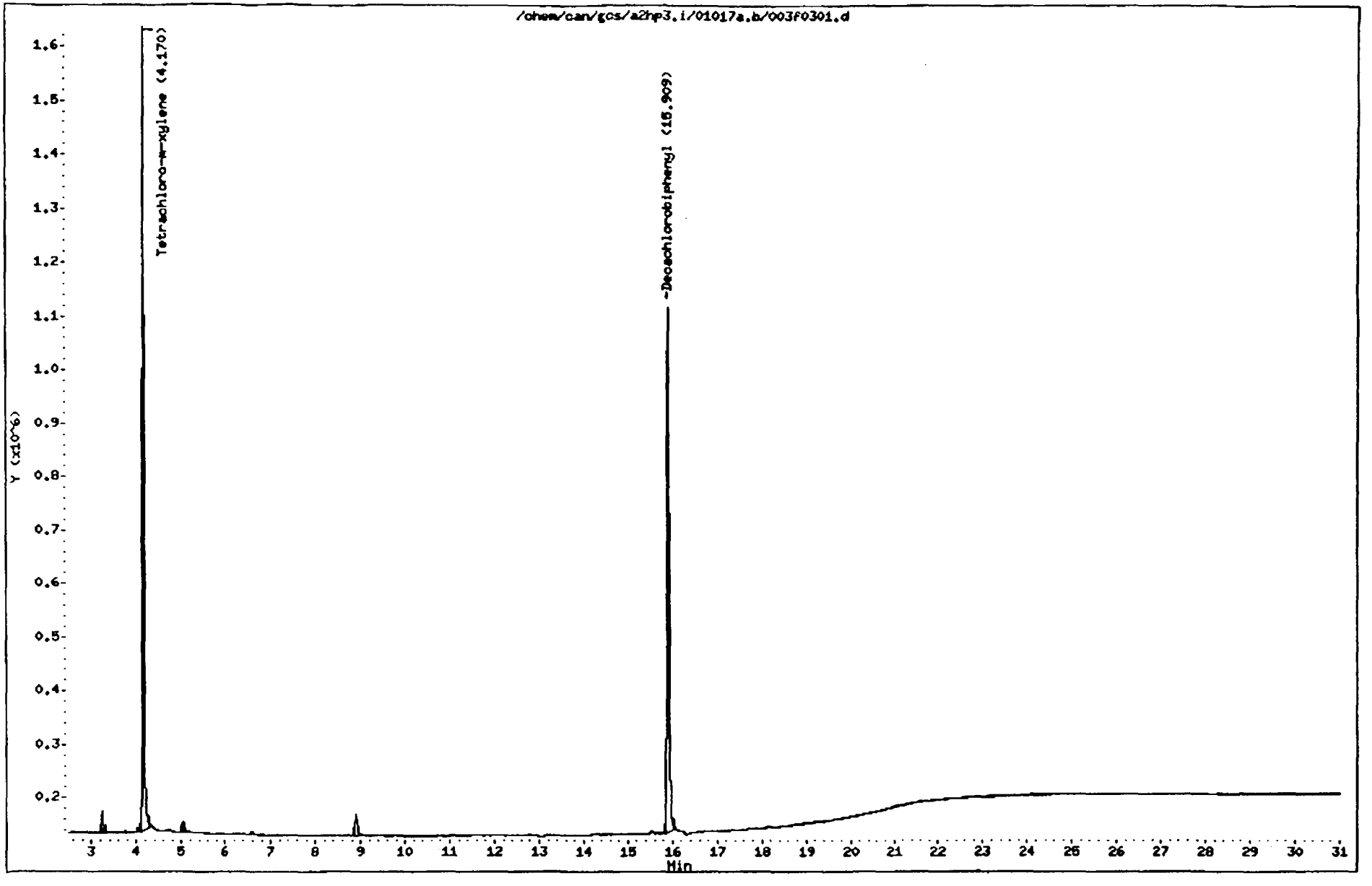
Volume Injected (uL): 1.0

Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK2

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK2 C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 003F0301

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

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/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a-r.b/003f0301.d
Lab Smp Id: PIBLK2 C509 Client Smp ID: PIBLK2
Inj Date : 17-OCT-2000 19:24
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK2 C509
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: 3 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	2881243	0.01941	0.19	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2285766	0.02123	0.21	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/003f0301.d

Date : 17-OCT-2000 19:24

Client ID: PIBLK2

Sample Info: PIBLK2 C509

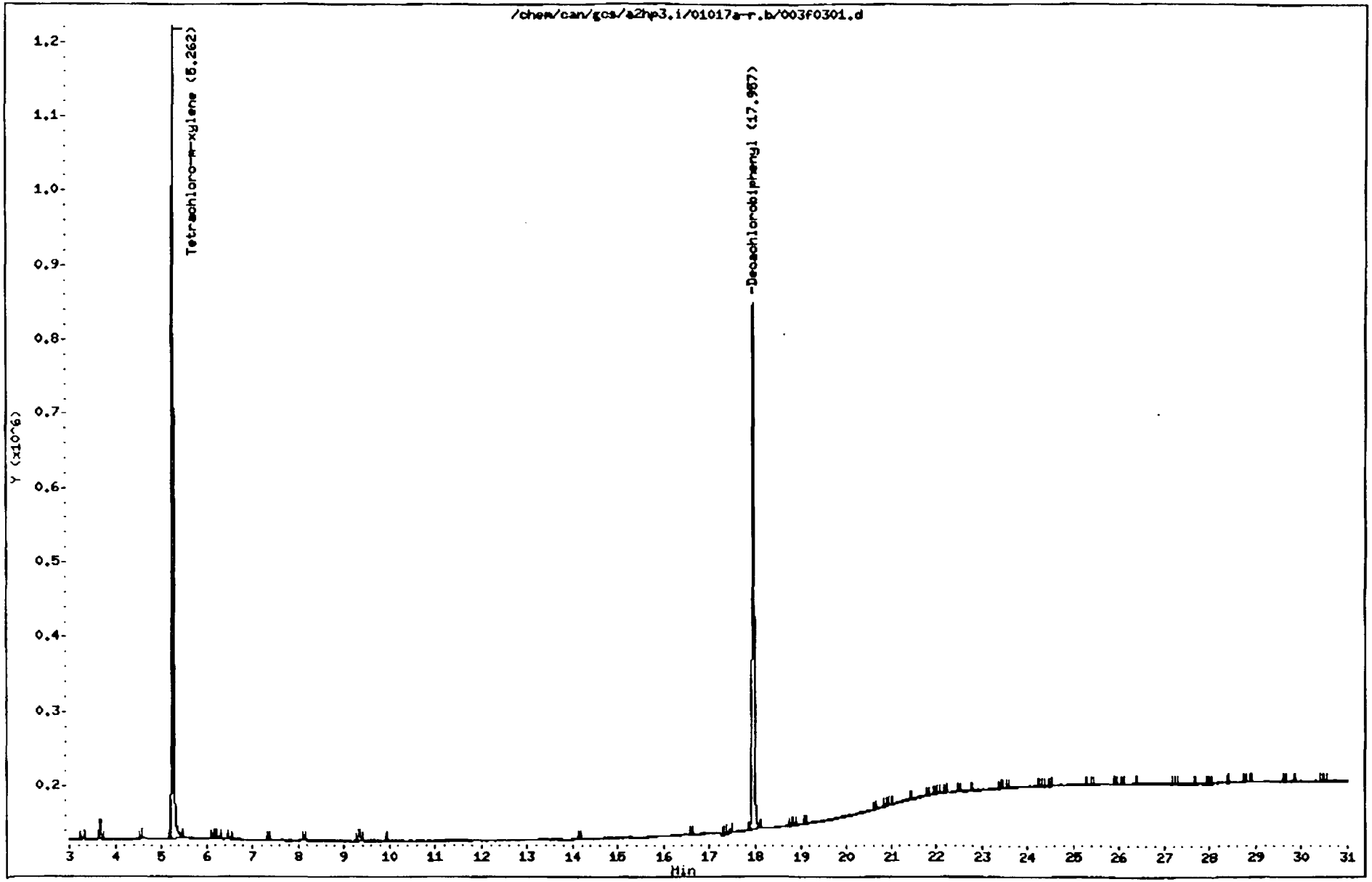
Volume Injected (uL): 1.0

Column phase: Rtx-CLP2 PESTICIDES

Instrument: a2hp3.i

Operator: 001754

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK3 C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 022F2201

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/18/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	2.5	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a-r.b/022f2201.d
Lab Smp Id: PIBLK3 C509 Client Smp ID: PIBLK3
Inj Date : 18-OCT-2000 07:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK3 C509
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: 22 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

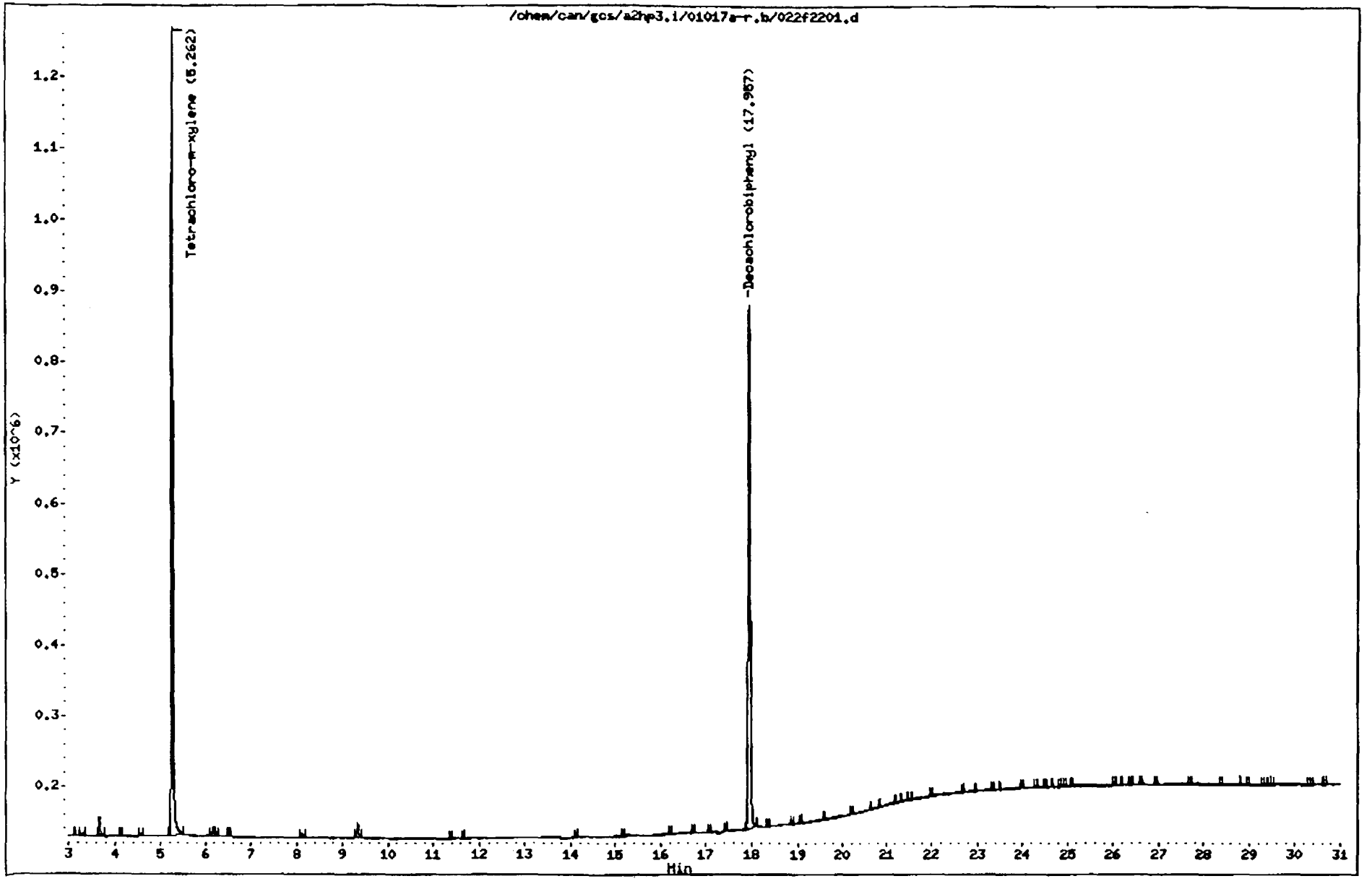
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.215	5.315	-0.100	3021863	0.02036	0.20	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
17.858	18.058	-0.200	2378380	0.02209	0.22	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a-r.b/022f2201.d
Date : 18-OCT-2000 07:11
Client ID: PIBLK3
Sample Info: PIBLK3 C509
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.

PIBLK3

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: C509

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 022F2201

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/18/00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC(Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.012	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

SEVERN TRENT LABORATORIES, INC.-NORTH CANTON

Data file : /chem/can/gcs/a2hp3.i/01017a.b/022f2201.d
Lab Smp Id: C509 Client Smp ID: PIBLK3
Inj Date : 18-OCT-2000 07:11
Operator : 001754 Inst ID: a2hp3.i
Smp Info : PIBLK3 C509
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: 22 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	10000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

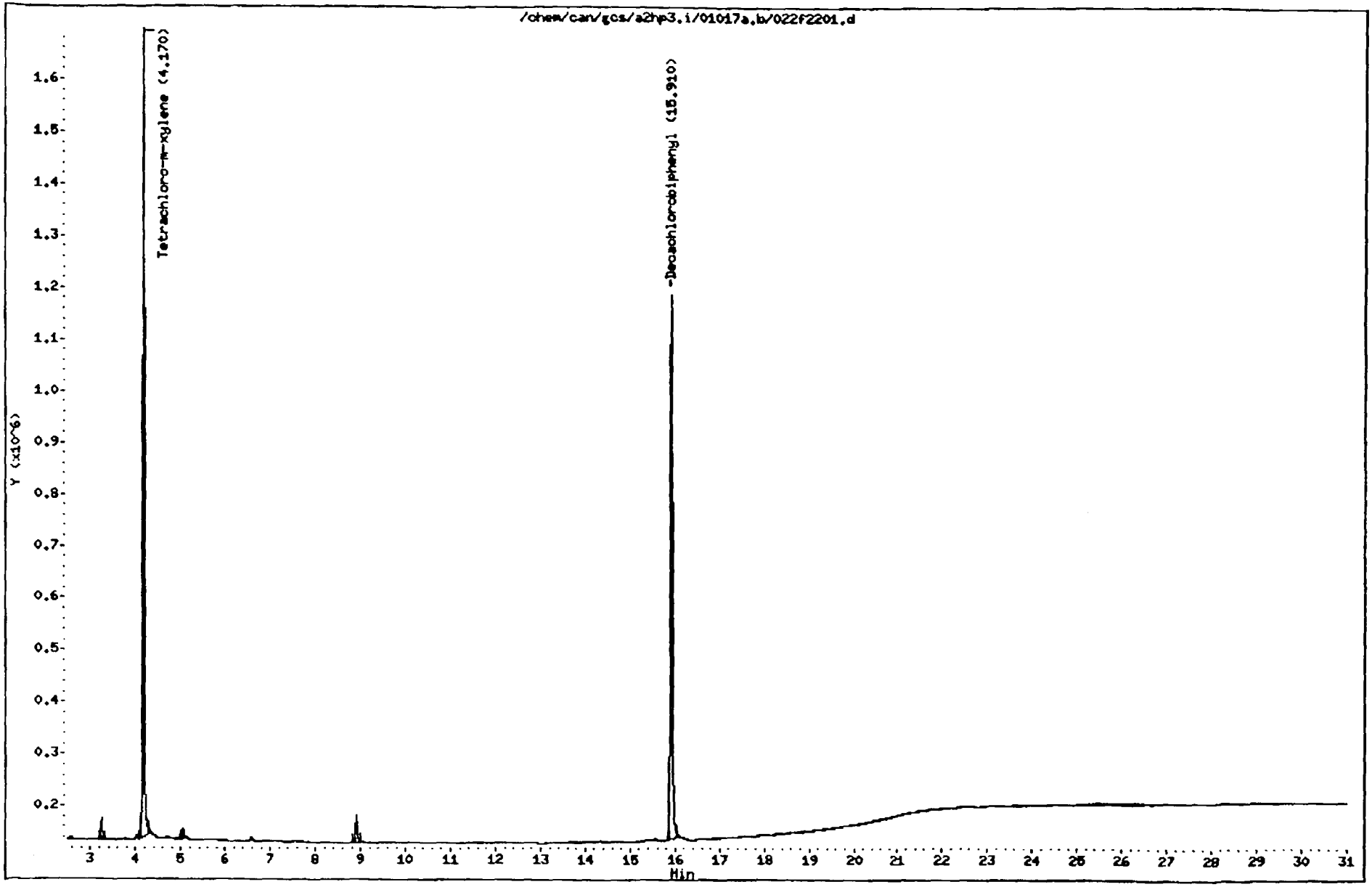
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (pg)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.120	4.220	-0.100	3881563	0.02137	0.21	80.00- 120.00	100.00
$ 30 Decachlorobiphenyl					CAS #: 2051-24-3		
15.808	16.008	-0.200	3450911	0.02296	0.23	80.00- 120.00	100.00

Data File: /chem/can/gcs/a2hp3.i/01017a.b/022f2201.d
Date : 18-OCT-2000 07:11
Client ID: PIBLK3
Sample Info: PIBLK3 C509
Volume Injected (uL): 1.0
Column phase: Rtx-CLPPESTICIDES

Instrument: a2hp3.i

Operator: 001754
Column diameter: 0.53



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MISCELLANEOUS DATA

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/31/00
Time: 8:44:09

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

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

Extractionist: 007453 Doug Klingenburg

Concentrationist: 002811 Dave S. Thomas

QC BATCH: 0249297

PREP DATE: 9/06/00
COMP DATE: 9/06/00

Reviewer/Date: FAUSNIGT / 9/16/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH'S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-002 DJRND-1-01		13	SQ	SOLID	30.07g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-003 DJRNG-1-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-004 DJRNK-1-01		13	SQ	SOLID	30.06g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-005 DJRNM-1-01		13	SQ	SOLID	30.04g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-006 DJRNN-1-01		13	SQ	SOLID	30.18g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-007 DJRNQ-1-01		13	SQ	SOLID	30.19g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-001 DJRN4-1-01		13	SQ	SOLID	30.15g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:	WET														

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/31/00
Time: 8:44:09

QC BATCH: 0249297

PREP DATE: 9/06/00
COMP DATE: 9/06/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-008 DJRP0-1-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-009 DJRP7-1-01		13	SQ	SOLID	30.06g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	0/00/00	A0I050000-297 DJVRW-1-01B		13	SQ	SOLID	30.00g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															

S/S BY DK
DCM #T03281; ACE #H451-T08465; NASO4 #8024-T04644; HEX #N44279

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

NUMBER OF WORK ORDERS IN BATCH: 10

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/31/00
Time: 8:44:15

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

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

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg
002811 Dave S. Thomas

QC BATCH: 0265098

PREP DATE: 9/21/00
COMP DATE: 9/21/00

Reviewer/Date: FAUSNIGT / 9/23/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-002 DJRND-2-01		13	SQ	SOLID	30.18g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-003 DJRNG-2-01		13	SQ	SOLID	30.01g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-004 DJRNK-2-01		13	SQ	SOLID	30.20g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-005 DJRNM-2-01		13	SQ	SOLID	30.19g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-006 DJRNN-2-01		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-007 DJRNQ-2-01		13	SQ	SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-001 DJRN4-2-01		13	SQ	SOLID	30.03g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/31/00
Time: 8:44:15

QC BATCH: 0265098

PREP DATE: 9/21/00
COMP DATE: 9/21/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-008 DJRP0-2-01		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-009 DJRP7-2-01		13	SQ	SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	0/00/00	A0I210000-098 DKQ3E-1-01B		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														

MR S&S WITNESSED BY EM
DCM T03281 ACE H451T08465 NA2SO4 8024T04644 HEX N44279

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

NUMBER OF WORK ORDERS IN BATCH: 10

STL North Canton

Revision 05, February6, 1997

QUANTERRA® ENVIRONMENTAL SERVICES

Sample Control Record

Client: 64186 Case Number/SDG: J01248 Storage Location: P/P Nofrig

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJVRW101	[illegible]	9/20/00		X	prep for analysis	9/20/00
2. DJRP7101						
3. DJRP0101						
4. DJRN4101						
5. DJRNQ101						
6. DJRNN101						
7. DJRNM101						
8. DJRNK101						
9. DJRNG101						
10. DJRND101						
11. DJRNM101						
12. DJEJC301						
13. DKQ3E101		10/4/00				10/4/00
14. DJRP0201						
15. DJRN4201						
16. DJRNQ201						
17.						
18.						
19.						
20.						

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Revision 05, February6, 1997

QUANTERRA® ENVIRONMENTAL SERVICES

Sample Control Record

Client: 64186 Case Number/SDG: ±01248 Storage Location: P/P Refrig

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRNN201	[illegible]	10/13/00		X	pop for analysis	10/13/00
2. DJRNM201						
3. DJRNK201						
4. DJRNG201						
5. DJRNG201	[illegible]	10/17/00		X	pop for analysis	10/17/00
6. DJRND201						
7. DJRP7201						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						[illegible]

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EXTRACTIONS DATA

Quanterra® Incorporated
Extractions CLP Narrative and Level II Review

Case#_____ Review Analyst: EBM

SDG# I01248 Review Date: 11/8/00

Client Code: 64186

Explain any problems or special circumstances that occurred:
Some Samples were Re-Runs that look Like Re-extracts on Bench Sheets.

	Level II Review
BNA Waters	
Copy of benchsheet	NA
Original Chain of Custody (COC)	✓
BNA Solids	
Copy of benchsheet	✓
Original Chain of Custody (COC)	✓
Copy of GPC Calibrations Form	✓
Copy of Calibration Chromatograms	✓
Copy of GPC Form	✓
Copy of pH logbook sheet	✓
P/P Waters	
Copy of benchsheet	NA
Original Chain of Custody (COC)	✓
Copy of Florisil Form	✓
P/P Solids	
Copy of benchsheet	✓
Original Chain of Custody (COC)	✓
Copy of GPC Calibrations (Each applicable 7 Day Pd)	✓
Copy of Calibration Chromatograms	✓
Copy of GPC Sheets	✓
Copy of Florisil Sheets	✓
Copy of pH Logbook Sheet	✓

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/07/00
Time: 11:32:21

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

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

Extractionist: 007453 Doug Klingenburg

Concentrationist: 007453 Doug Klingenburg

****
* QC BATCH: 0249298 *
****

PREP DATE: 9/06/00
COMP DATE: 9/06/00

Reviewer/Date: KLINGEND / 9/10/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH'S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-002 DJRND-1-0U		13	J0	SOLID	30.05g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-003 DJRNG-1-0U		13	J0	SOLID	30.03g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-004 DJRNK-1-0U		13	J0	SOLID	30.05g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-005 DJRNM-1-0U		13	J0	SOLID	30.01g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-006 DJRNN-1-0U		13	J0	SOLID	30.20g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-007 DJRNQ-1-0U		13	J0	SOLID	30.08g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-001 DJRN4-1-0U		13	J0	SOLID	30.05g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/07/00
Time: 11:32:21

QC BATCH: 0249298

PREP DATE: 9/06/00
COMP DATE: 9/06/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-008 DJRP0-1-0U		13	J0	SOLID	30.10g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-008 DJRP0-2-0U		13	J0	SOLID	30.10g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-009 DJRP7-1-0U		13	J0	SOLID	30.20g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															
9/11/00	0/00/00	A0I050000-298 DJVT3-1-01B		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS:															

S/S BY DK
DCM #T03281; ACE #H451-T08465; NASO4 #8024-T04644

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

NUMBER OF WORK ORDERS IN BATCH: 11

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRND	DK	9/6/00		X	BNA EXTRACTION CLP	9/6/00
2. DJRNG						
3. DJRNK						
4. DJRNM						
5. DJRNN						
6. DJRNQ						
7. DJRN4						
8. DJRPO						
9. ~~DJRPO~~ TRF						
10. DJRP7						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF
19.						9/6/00
20.						

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GPC Log Sheet

Quanterra Incorporated

1673

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

Page of

se/SDG Number	Collect	Dump	Load	Wash	Inst ID
I01248	28 min	29 min	10	10:00	

te	~~Run Number~~ Batch	Lot Number	Sample ID	Client ID	Pos. No.	Comments
10/00	02492 98	A0I010248	DJRND ~~BLK~~	SL50-4'		BNA's
			DJRNG	SL51-6"		Re-extract
			DJRNK	SL51-4'		Re-extract
			DJRNM	SL52-6"		
			DJRNN	SL52-4'		
			DJRNQ	SL53-6"		Re-extract
			DJRN4	SL50-6"		
			DJRP0	SL54-6"		
			DJRP7	SL55-6"		Re-extract
		A0I050000298	DJVT3BLK	DJVT3 BLK		

lyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank	
	9/10/00			MSSV Rinse 9/10/00	

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

Part of this Batch was Re extracted on 9/28/00

9/10/00

240CLAB FORMGPC LOG.doc

STL North Canton

GPC Log Sheet

Quanterra Incorporated

1674

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

Page of

Case/SDG Number Weekly Cal			Collect		Dump	Load	Wash	Inst ID
Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments		
9/5/00			CAL Fluid		1	PASSED per TRF		
↓			MSSV Rinse BLK		2			

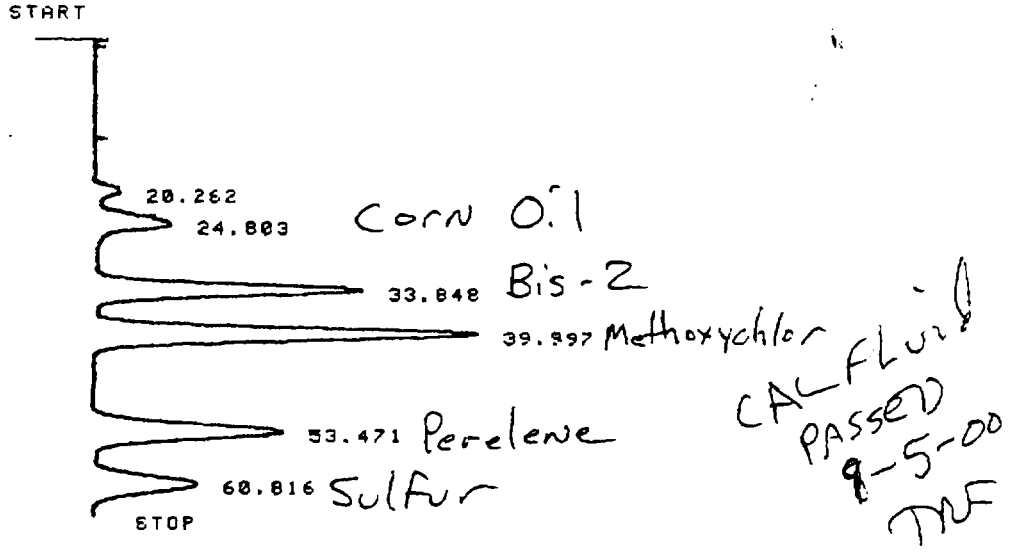
TRF 9/5/00

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

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

STL North Canton

* RUN # 23 FEB 17, 1901 02:23:54



RUN# 23 FEB 17, 1901 02:23:54

AREA%

RT	AREA	TYPE	WIDTH	AREA%
20.262	625317	PV	1.633	1.91036
24.803	2585640	VB	2.412	7.89920
33.848	7265853	BV	1.967	22.19738
39.997	11381800	VB	2.139	34.77170
53.471	6817936	BV	2.559	20.82897
60.816	4056482 I	VH	2.726	12.39242

TOTAL AREA=3.2733E+07
MUL FACTOR=1.0000E+00

GPC Log Sheet

Quanterra Incorporated

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

Page of

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

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/1/00			PCB ✓		1	
			GCSV Rinse BLK		2	

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
CLF	9/5/00					

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

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1676

STL North Canton

* RUN # 26 FEB 19, 1901 01:03:02

START

STOP

PCB ✓
9/6/00
TRF

RUN# 26 FEB 19, 1901 01:03:02

NO RUN PEAKS STORED

GPC Log Sheet

Quanterra Incorporated

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

Page of

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

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/5/00			Pest ✓		1	Passed

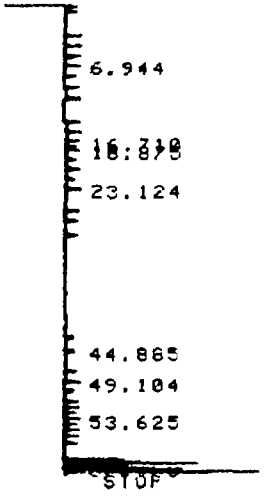
Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
JRC	9/5/00			

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

STL North Canton

* RUN # 24 FEB 17, 1901 05:42:32

START



~~Past~~ ✓
PASSED
~~9/6/00~~
9/5/00
TRF

RUN# 24 FEB 17, 1901 05:42:32

AREA%

RT	AREA	TYPE	WIDTH	AREA%
6.944	32306	PB	.233	1.37509
16.710	92053	BB	.159	3.91818
18.875	38435	BB	.142	1.63596
23.124	43671	BB	.111	1.85883
44.885	19553	BB	.126	.83226
49.104	28129	PB	.029	1.19729
53.625	31691	PB	.047	1.34891
62.458	2063543	BP	.800	87.83347

TOTAL AREA=2349381

MUL FACTOR=1.0000E+00

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/07/00
Time: 11:48:38

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

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

Extractionist: 007453 Doug Klingenburg

Concentrationist: 007453 Doug Klingenburg

QC BATCH: 0271338

PREP DATE: 9/27/00
COMP DATE: 9/27/00

Reviewer/Date: KLINGEND / 9/28/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH*S INIT	PH*S ADJ1	PH*S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-003 DJRNG-2-0U		13	J0	SOLID	30.06g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS: WET															
9/11/00	9/22/00	A0I010248-004 DJRNK-2-0U		13	J0	SOLID	30.05g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															
9/11/00	9/22/00	A0I010248-007 DJRNQ-2-0U		13	J0	SOLID	30.18g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS: WET															
9/11/00	9/22/00	A0I010248-009 DJRP7-2-0U		13	J0	SOLID	30.03g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															
9/11/00	0/00/00	A0I270000-338 DL4QA-1-01B		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	.5ML BCLP SURR #3737
COMMENTS:															

S/S BY DK
DCM #TO3281; ACE #H451-TO8465; NAS04 #8024-TO4644

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

NUMBER OF WORK ORDERS IN BATCH: 5

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location:

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRNG	TNF	9/27/00		X	BNA CLP EXTRACTIONS	9/27/00
2. DJRNK						
3. DJRNQ						
4. DJRP7						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TNF
19.						9/27/00
20.						

GPC Log Sheet

Quanterra Incorporated

1682

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

Page of

Case/SDG Number	Collect	Dump	Load	Wash	Inst ID
IO1248	28 min	29 min	10	10:00	

Date	~~Run Number~~ Batch	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/25/00	0271338	AOI270000-338	DL4QA BIK	DL4QA BIK	1	BNA REEXTRACTS
		AOI010248	DJRNG	SL51-6"	2	
			DJRNK	SL51-4"	3	
			DJRNQ	SL53-6"	4	
			DJRP7	SL55-6"	5	

JRF 9/25/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
JRF	9/27/00			MSSV 9/27/00		

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

STL North Canton

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GPC Log Sheet

Quanterra Incorporated

1683

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

Page of

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

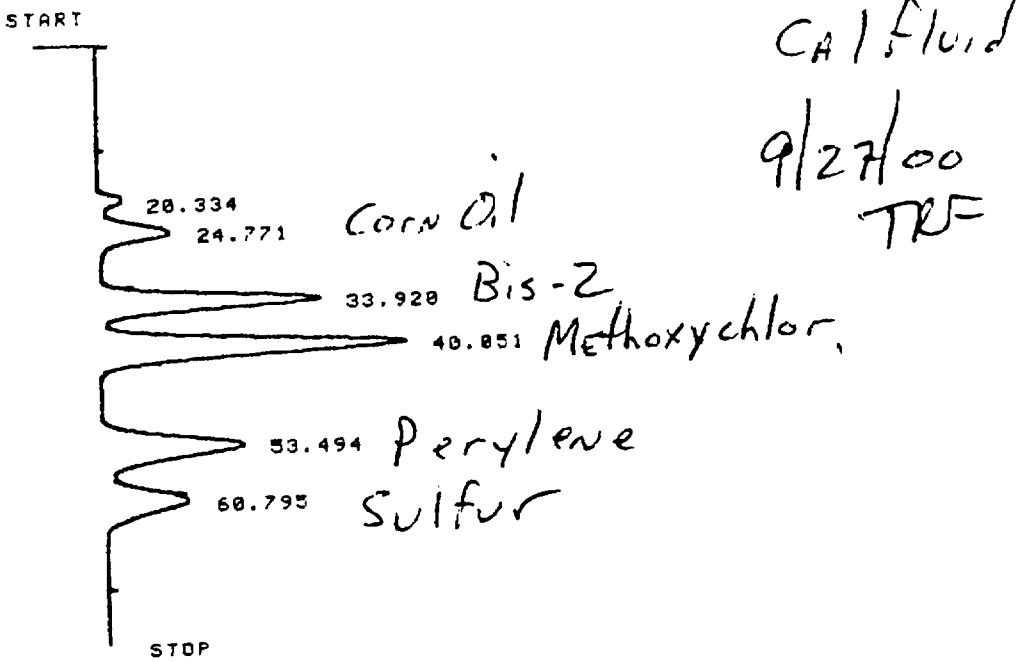
Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/27/00			CAL Fluid		1	
2			MSS Rinse Blk		2	
						TRF 9/27/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
TRF	9/27/00			

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

STL North Canton

* RUN # 34 MAR 11, 1901 00:04:20



RUN# 34 MAR 11, 1901 00:04:20

AREA%

RT	AREA	TYPE	WIDTH	AREA%
20.334	610073	PV	1.664	1.86566
24.771	2544024	VB	2.537	7.77988
33.920	7144320	BV	2.326	21.84804
40.051	11250544	VB	2.653	34.40530
53.494	6751709	BV	3.403	20.64739
60.795	4399379	VB	3.689	13.45374

TOTAL AREA=3.2700E+07
MUL FACTOR=1.0000E+00

ᴾC Log Sheet

Quanterra Incorporated

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

Page of

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

)	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
6/00			Pest ✓			Failed
			PCB ✓			Passed
			GCSV Rinse Blk			↓
						TNF 9/26/00

alyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
TRF		Failed	9/26/00	GCSV Rinse Blk 9/26/00

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

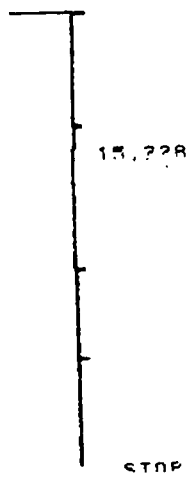
STOP

RUN# 31 MAR 4, 1901 07:13:44

NO RUN PEAKS STORED

* RUN # 32 MAR 10, 1901 06:31:23

START



Rest ✓
9/26/00

RUN# 32 MAR 10, 1901 06:31:23

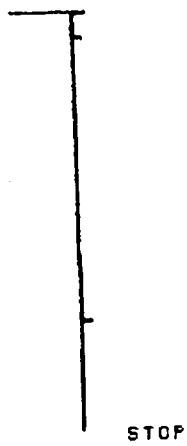
AREA%

RT	AREA	TYPE	WIDTH	AREA%
15.228	33560	PB	.124	100.00000

TOTAL AREA= 33560
MUL FACTOR=1.0000E+00

* RUN # 33 MAR 10, 1901 08:01:54

START



PCB ✓
9/26/00

RUN# 33 MAR 10, 1901 08:01:54

AREA%

RT	AREA	TYPE	WIDTH	AREA%

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/08/00
Time: 6:27:43

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

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

Extractionist: 007453 Doug Klingenburg

Concentrationist: 007453 Doug Klingenburg

QC BATCH: 0278194

PREP DATE: 10/04/00
COMP DATE: 10/04/00

Reviewer/Date: KLINGEND / 10/10/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	11/17/00	A0I010248-003 DJRNG-3-0U		13	J0	SOLID	16.29g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS: WET;SAMPLE CONSUMED															
9/11/00	0/00/00	A0J040000-194 DLH2C-1-01B		13	J0	SOLID	30.00g .50mL	NA	NA	NA	DCM/ACE	300.0		.0	0.5ML CLP #3737
COMMENTS: WET															

S/S BY DK
DCM #TO3281; ACE #H451-T23465; NASO4 #8024-TO4644

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

NUMBER OF WORK ORDERS IN BATCH: 2

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRNG	DK	10/4/00		X	BNA CLP EXTRACTIONS	10/4/00
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						DNF
19.						10/4/00
20.						

1688
STL North Canton

GPC Log Sheet

Quanterra Incorporated

1689

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

Page of

Case/SDG Number	Collect	Dump	Load	Wash	Inst ID
I01248	28min	21min	:10	10:00	

Date	~~Run Number~~ Batch	Lot Number	Sample ID	Client ID	Pos. No.	Comments
10/00	0278194	AOI040000-194	DLH2C BLK	DLH2C BLK	1	
↓	↓	AOI010248	DJRNG	SL51-6"	2	3rd REEXTRACT

TRF 10/10/00

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

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

STL North Canton

;PC Log Sheet

Quanterra Incorporated

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

Page of

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

ate	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
4/00			Cal Fluid		1	

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
TRF	10/4/00			MSSV 10/4/00		

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

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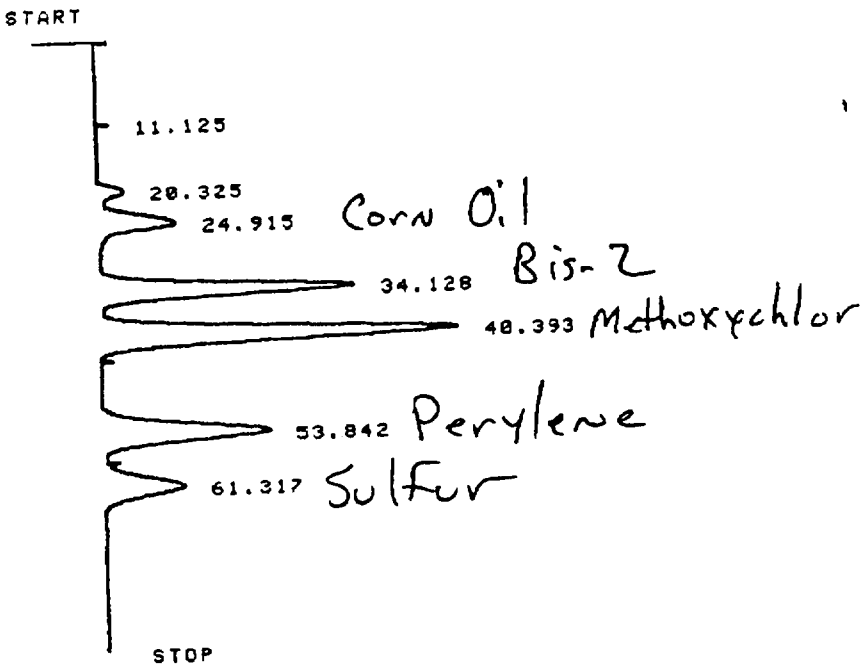
STL North Canton

* RUN # 36 MAR 18, 1981 00:33:02



Gal Fluid

10/4/00

TRF

RUN# 36 MAR 18, 1981 00:33:02

AREA%

RT	AREA	TYPE	WIDTH	AREA%
11.125	18506	BB	.090	.05737
20.325	703230	BV	1.763	2.18013
24.915	2814469	VV	2.574	8.72531
34.128	7376931	VV	2.096	22.86971
40.393	11343728	VB	2.299	35.16744
53.842	6561341	PV	2.827	20.34124
61.317	3438138 I	VB	3.082	10.65880

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/08/00
Time: 6:28:15

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

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

Extractionist: 007453 Doug Klingenburg

Concentrationist: 002811 Dave S. Thomas

QC BATCH: 0249297

PREP DATE: 9/06/00
COMP DATE: 9/06/00

Reviewer/Date: FAUSNIGT / 9/16/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH*S INIT	PH*S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	11/17/00	A0I010248-002 DJRND-1-01		13	SQ	SOLID	30.07g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-003 DJRNG-1-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-003 DJRNG-3-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-004 DJRNK-1-01		13	SQ	SOLID	30.06g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-005 DJRNM-1-01		13	SQ	SOLID	30.04g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-005 DJRNM-3-01		13	SQ	SOLID	30.04g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-006 DJRNN-1-01		13	SQ	SOLID	30.18g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/08/00
Time: 6:28:15

QC BATCH: 0249297

PREP DATE: 9/06/00
COMP DATE: 9/06/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH*S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	11/17/00	A0I010248-007 DJRNQ-1-01		13	SQ	SOLID	30.19g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS: WET															
9/11/00	11/17/00	A0I010248-007 DJRNQ-3-01		13	SQ	SOLID	30.19g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS: WET															
9/11/00	11/17/00	A0I010248-001 DJRN4-1-01		13	SQ	SOLID	30.15g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS: WET															
9/11/00	11/17/00	A0I010248-001 DJRN4-3-01		13	SQ	SOLID	30.15g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS: WET															
9/11/00	11/17/00	A0I010248-008 DJRP0-1-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-008 DJRP0-3-01		13	SQ	SOLID	30.05g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-009 DJRP7-1-01		13	SQ	SOLID	30.06g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	11/17/00	A0I010248-009 DJRP7-3-01		13	SQ	SOLID	30.06g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	0/00/00	A0I050000-297 DJVRW-1-01B		13	SQ	SOLID	30.00g 5.00mL	NA	NA	NA	DCM/ACE	300.0		.0	2.0ML CLP #3730
COMMENTS:															

S/S BY DK
DCM #T03281; ACE #H451-T08465; NASO4 #8024-T04644; HEX #N44279

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

NUMBER OF WORK ORDERS IN BATCH: 16

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRND	DK	9/6/00		X	Pest CLP Extraction	9/6/00
2. DJRNG						
3. DJRNK						
4. DJRNM						
5. DJRNN						
6. DJRNQ						
7. DJRN4						
8. DJRPO						
9. DJRP7						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TRF 9/6/00
19.						
20.						

1694
STL North Canton

GPC Log Sheet

Quanterra Incorporated

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

Page of

Case/SDG Number	Collect	Dump	Load	Wash	Inst ID
I01248	23 min	36 min	:10	10:00	

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/8/00	BATCH 0249297	AOI050000-297	DJVRWBIK	DJVRW BIK	1	P/P Solids
		A010010248	DJRN4	SL50-6"	2	
			DJRND	SL50-4"	3	
			DJRNG	SL51-6"	4	
			DJRNK	SL51-4"	5	
			DJRNM	SL52-6"	6	
			DJRNN	SL52-4"	7	
			DJRNQ	SL53-6"	8	
			DJRPO	SL54-6"	9	
			DJRP7	SL54-6"	10	

DNF 9/8/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
RJ	9/5/00	9/5/00	9/6/00	GCSV Rinse 9/6/00		

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

GPC Log Sheet

Quanterra Incorporated

1696

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

Page of

Case/SDG Number	Weekly Cal	Collect	Dump	Load	Wash	Inst ID

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
1/5/00			CAL Fluid		1	PASSED per TRF
↓			MSSV Rinse BLK		2	

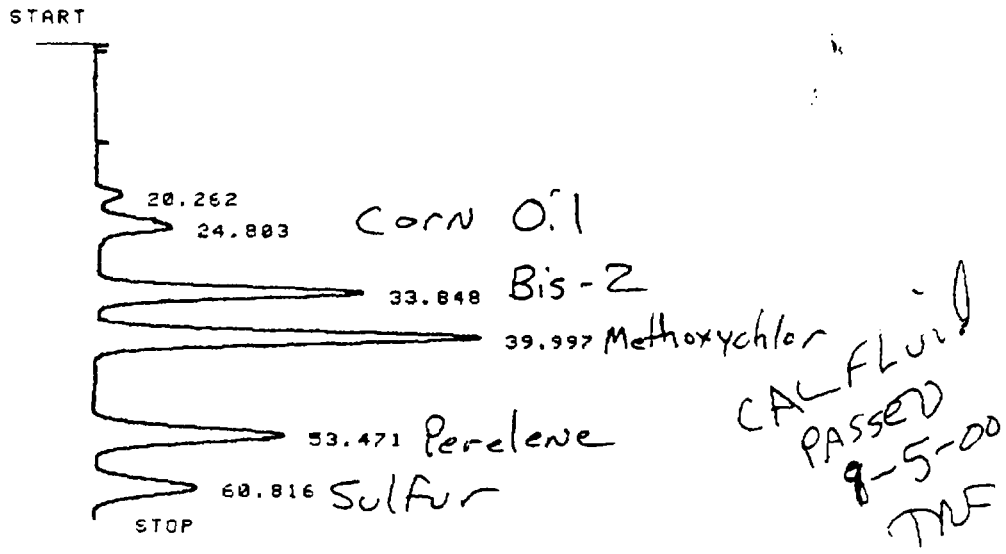
TRF 9/5/00

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

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

STL North Canton

* RUN # 23 FEB 17, 1901 02:23:54



RUN# 23 FEB 17, 1901 02:23:54

AREA%

RT	AREA	TYPE	WIDTH	AREA%
20.262	625317	PV	1.633	1.91036
24.803	2585640	VB	2.412	7.89920
33.848	7265853	BV	1.967	22.19738
39.997	11381800	VB	2.139	34.77170
53.471	6817936	BV	2.559	20.82897
60.816	4056402 I	VH	2.726	12.39242

TOTAL AREA=3.2733E+07
MUL FACTOR=1.0000E+00

GPC Log Sheet

Quanterra Incorporated

1698

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

Page of

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

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/6/00			PCB ✓		1	
			GCSV Rinse BLK		2	

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
DLF	9/5/00					

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

STL North Canton

* RUN # 26 FEB 19, 1901 01:03:02

START

STOP

PCB ✓
9/6/00
TRF

RUN# 26 FEB 19, 1901 01:03:02

NO RUN PEAKS STORED

GPC Log Sheet

Quanterra Incorporated

1700

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

Page of

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

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/5/00			Pest ✓		1	Passed

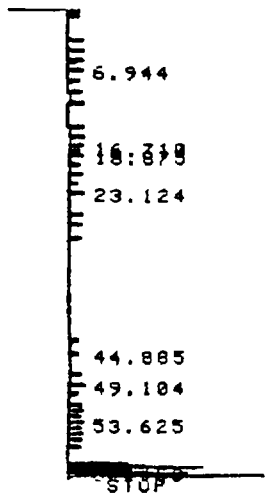
Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
JRP	9/5/00			

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

STL North Canton

* RUN # 24 FEB 17, 1901 05:42:32

START



Test ✓
PASSED
~~9/6/00~~
9/5/00
TRF

RUN# 24 FEB 17, 1901 05:42:32

AREA%

RT	AREA	TYPE	WIDTH	AREA%
6.944	32306	PB	.233	1.37509
16.710	92053	BB	.159	3.91818
18.875	38435	BB	.142	1.63596
23.124	43671	BB	.111	1.85883
44.885	19553	BB	.126	.83226
49.104	28129	PB	.029	1.19729
53.625	31691	PB	.047	1.34891
62.458	2063543	BP	.800	87.83347

TOTAL AREA=2349381

MUL FACTOR=1.0000E+00

QUANTERRA ENVIRONMENTAL SERVICES

FLORISIL CARTRIDGE CLEAN-UP

Analyst: TRF

Case/SDG #: I01248

Date: 9/11/00

Sample #	Cartridge Lot #	Manufacturer	Comments
SL50-6"	339467	B+J	P/P Solids
SL50-4"			
SL51-6"			
SL51-4"			
SL52-6"			
SL52-4"			
SL53-6"			
SL54-6"			
SL55-6"			
DJVRV BLK			
			TRF 9/11/00

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/07/00
Time: 11:32:26

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

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

Extractionist: 005304 Margret R. Russel

Concentrationist: 007453 Doug Klingenburg
002811 Dave S. Thomas

QC BATCH: 0265098

PREP DATE: 9/21/00
COMP DATE: 9/21/00

Reviewer/Date: FAUSNIGT / 9/23/00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-002 DJRND-2-01		13	SQ	SOLID	30.18g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-003 DJRNG-2-01		13	SQ	SOLID	30.01g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-003 DJRNG-4-01		13	SQ	SOLID	30.01g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-004 DJRNK-2-01		13	SQ	SOLID	30.20g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-005 DJRNM-2-01		13	SQ	SOLID	30.19g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-005 DJRNM-4-01		13	SQ	SOLID	30.19g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-006 DJRNN-2-01		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/07/00
Time: 11:32:26

QC BATCH: 0265098

PREP DATE: 9/21/00
COMP DATE: 9/21/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
9/11/00	9/22/00	A0I010248-007 DJRNQ-2-01		13	SQ	SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-007 DJRNQ-4-01		13	SQ	SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-001 DJRN4-2-01		13	SQ	SOLID	30.03g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-001 DJRN4-4-01		13	SQ	SOLID	30.03g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														
9/11/00	9/22/00	A0I010248-008 DJRP0-2-01		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	9/22/00	A0I010248-009 DJRP7-2-01		13	SQ	SOLID	30.04g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:															
9/11/00	0/00/00	A0I210000-098 DKQ3E-1-01B		13	SQ	SOLID	30.00g 10.00mL	NA	NA	NA	DCM/ACE	300.0	HEXANE	50.0	2.0ML CLP #3730
COMMENTS:	WET														

MR S&S WITNESSED BY EM
DCM T032B1 ACE H45IT08465 NA2SO4 B024T04644 HEX N44279

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

NUMBER OF WORK ORDERS IN BATCH: 14

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRND	MR	9/21/00		X	PEST CLP EXTRACTIONS	9/21/00
2. DJRNG						
3. DJRNK						
4. DJRNM						
5. DJRNM						
6. DJRNN						
7. DJRNQ						
8. DJRN4						
9. DJRPO						
10. DJRP7						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						TNF
19.						9/21/00
20.						

1705
STL North Canton

GPC Log Sheet

Quanterra Incorporated

1706

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

Page of

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

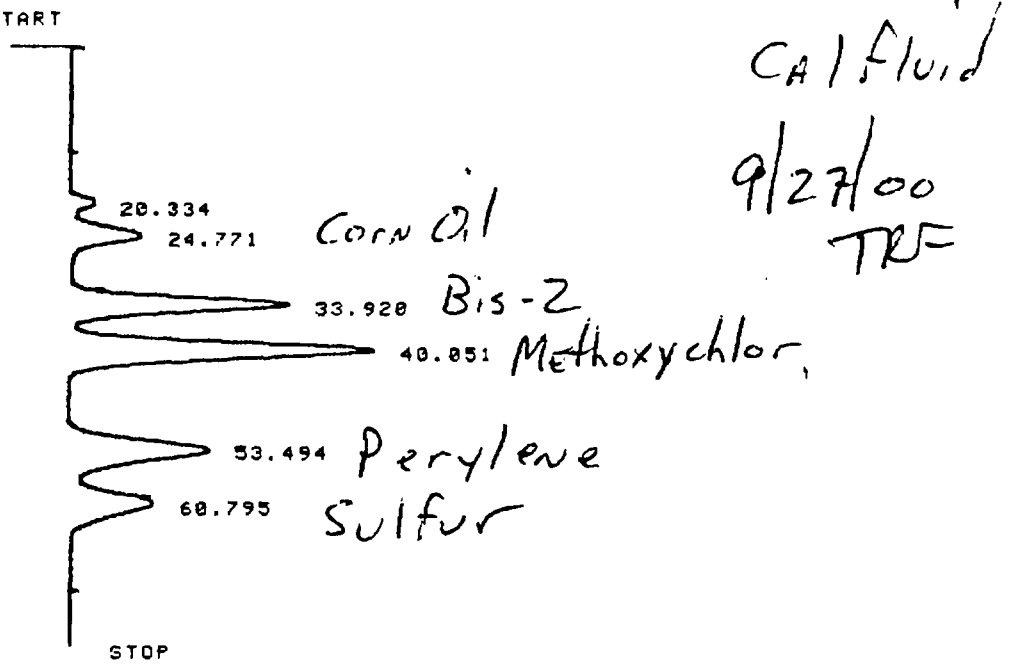
Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/27/00			CAL Fluid		1	
2			MSS Rinse Blk		2	
						TRF 9/27/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank		
TRF	9/27/00					

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

STL North Cantdn

* RUN # 34 MAR 11, 1901 00:04:20



Cal fluid
9/27/00
TRF

RUN# 34 MAR 11, 1901 00:04:20

AREA%

RT	AREA	TYPE	WIDTH	AREA%
20.334	610073	PV	1.664	1.86566
24.771	2544024	VB	2.537	7.77988
33.920	7144320	BV	2.326	21.84804
40.051	11250544	VB	2.653	34.40530
53.494	6751709	BV	3.403	20.64739
60.795	4399379	VB	3.689	13.45374

TOTAL AREA=3.2700E+07
MUL FACTOR=1.0000E+00

START

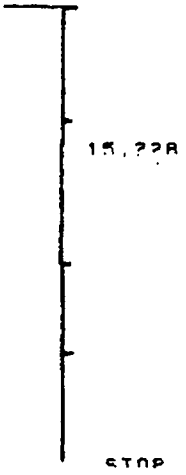
STOP

RUN# 31 MAR 4, 1901 07:13:44

NO RUN PEAKS STORED

* RUN # 32 MAR 10, 1901 06:31:23

START



Rest ✓
9/26/00

RUN# 32 MAR 10, 1901 06:31:23

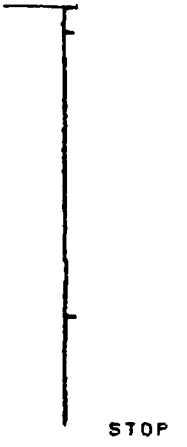
AREA%

RT	AREA	TYPE	WIDTH	AREA%
15.228	33560	PB	.124	100.00000

TOTAL AREA= 33560
MUL FACTOR=1.0000E+00

* RUN # 33 MAR 10, 1901 08:01:54

START



PCB ✓
9/26/00

RUN# 33 MAR 10, 1901 08:01:54

GPC Log Sheet

Quanterra Incorporated

1709

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

Page of

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

Date	Run Number	Lot Number	Sample ID	Client ID	Pos. No.	Comments
9/26/00			Pest ✓			Failed
			PCB ✓			Passed
			GCSV Rinse Blk			✓
						TNF 9/26/00

Analyst	Calibration Fluid Check	Pest Check	PCB Check	MSSV/GCSV Rinse Blank
TNF		Failed	9/26/00	GCSV Rinse Blk 9/26/00

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

STL North Canton

CLP pH Log

SDG# I01248 Case#_____ Closed Date_____

Associated Project Lot#s: A0I010248

Client Code: 64186

Sample#	EPA#	pH	Analyst	Date
DJRN4	SL50-6"	7.7	TRF	9/6/00
DJRND	SL50-4"	7.6		
DJRNG	SL51-6"	7.6		
DJRNK	SL51-4"	7.0		
DJRNM	SL52-6"	7.6		
DJRNN	SL52-4"	7.4		
DJRNQ	SL53-6"	7.7		
DJRPO	SL54-6"	7.9		
DJRP7	SL55-6"	7.9		
				TRF 9/6/00

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

QUANTERRA ENVIRONMENTAL SERVICES

FLORISIL CARTRIDGE CLEAN-UP

Analyst: TRF

Case/SDG #: I01248

Date: 9/23/00

Sample #	Cartridge Lot #	Manufacturer	Comments
SL50-6"	339467	B+J	P/P solids
SL50-4'			
SL51-6"			
SL51-4'			
SL52-6"			
~~SL52-6"~~	TRF		
SL52-4'			
SL53-6"			
SL54-6"			
SL55-6"			
DKQ3E BLK			
			TRF 9/23/00

STL North Canton

Cover Page - Inorganic Analysis Data Package

Client ID	Lab Sample ID:
SL50-4'	DJRND
SL50-6"	DJRN4
SL50-6"D	DJRN4D
SL50-6"S	DJRN4S
SL50-6"ST	DJRN4ST
SL51-4'	DJRNK
SL51-6"	DJRNG
SL52-4'	DJRNN
SL52-6"	DJRNM
SL53-6"	DJRNQ
SL54-6"	DJRP0
SL55-6"	DJRP7

Comments: SDG # : I01248
CLIENT ID: 64186

See narrative. The final report was reviewed by Roger Toth. Roger Toth 9-21-00

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data combined in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Ken Kuzio Name: Ken Kuzio
Date: 11/13/00 Title: Project Mgr

Version 3.63.6 Beta *Cover Page Equivalent*

SDG: I01248
Client ID: 64186

For this SDG, a separate spike sample was prepared for the analysis of As, Pb. and Se by Trace ICP. A "T" is appended to the sample ID to distinguish the preparation from the "non-Trace" spike.

On form 6 the RPD (%) was calculated for results ≥ 5x the CRDL, and the absolute difference was calculated for results < 5x the CRDL.

CLP SOW ILM04.0 protocol requires that, during an ICP analytical run, the amount of time between the CCV and its following CCB be no more than the amount of time between samples. During the 9/14/00 CLP ICP analysis, the amount of time between the second CCV/CCB pair exceeded this time requirement because the instrument argon supply ran out immediately after the CCV was read. The argon tank was changed as soon as the problem was discovered. The instrument was restarted, and the CCB was run 35 minutes after the CCV. All other CCV/CCB pairs on the analytical run were analyzed according to CLP protocol, and no evidence of rinsing or carryover problems was evident. Data associated with the 2nd CCV/CCB pair was reported.

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRN4 **Client ID:** SL50-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	4.7	50.4	5580	*	1	ICPST	9/14/00	8:51
Antimony	206.84	1.1	15.1	1.1	BN	1	ICPST	9/14/00	8:51
Arsenic	189.04	0.91	2.5	20.0		1	ICPST	9/14/00	8:51
Barium	493.41	0.10	50.4	59.2		1	ICPST	9/14/00	8:51
Beryllium	313.04	0.050	1.3	0.38	B	1	ICPST	9/14/00	8:51
Cadmium	226.50	0.10	1.3	0.56	B	1	ICPST	9/14/00	8:51
Calcium	317.93	2.1	1260	63800		1	ICPST	9/14/00	8:51
Chromium	267.72	0.50	2.5	29.7		1	ICPST	9/14/00	8:51
Cobalt	228.62	0.55	12.6	7.9	B	1	ICPST	9/14/00	8:51
Copper	324.75	0.48	6.3	34.1		1	ICPST	9/14/00	8:51
Iron	271.44	6.9	25.2	32000		1	ICPST	9/14/00	8:51
Lead	220.35	0.33	0.76	78.5	*	1	ICPST	9/14/00	8:51
Magnesium	279.08	3.4	1260	33400		1	ICPST	9/14/00	8:51
Manganese	257.61	0.10	3.8	606		1	ICPST	9/14/00	8:51
Nickel	231.60	0.48	10.1	17.7		1	ICPST	9/14/00	8:51
Potassium	766.49	13.2	1260	836	B	1	ICPST	9/14/00	8:51
Selenium	196.03	1.1	1.3	1.1	U	1	ICPST	9/14/00	8:51
Silver	328.07	0.78	2.5	0.78	U	1	ICPST	9/14/00	8:51
Sodium	330.23	111	1260	162	B	1	ICPST	9/14/00	8:51
Thallium	190.86	1.3	2.5	1.3	U	1	ICPST	9/14/00	8:51
Vanadium	292.40	0.35	12.6	15.1		1	ICPST	9/14/00	8:51
Zinc	213.86	0.15	5.0	215		1	ICPST	9/14/00	8:51

Comments: Lot #: A0I010248 Sample #: 1

Version 3.63.6 Beta

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

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRN4 **Client ID:** SL50-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 20.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.063	0.13	0.067	B	1	CVAA	9/13/00	16:14

Comments: Lot #: A0I010248 Sample #: 1

Version 3.63.6 Beta

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

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRND **Client ID:** SL50-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 22.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	4.8	51.5	15800	*	1	ICPST	9/14/00	9:18
Antimony	206.84	1.1	15.4	1.1	UN	1	ICPST	9/14/00	9:18
Arsenic	189.04	0.93	2.6	7.2		1	ICPST	9/14/00	9:18
Barium	493.41	0.10	51.5	126		1	ICPST	9/14/00	9:18
Beryllium	313.04	0.052	1.3	0.61	B	1	ICPST	9/14/00	9:18
Cadmium	226.50	0.10	1.3	0.17	B	1	ICPST	9/14/00	9:18
Calcium	317.93	2.1	1290	3710		1	ICPST	9/14/00	9:18
Chromium	267.72	0.52	2.6	22.5		1	ICPST	9/14/00	9:18
Cobalt	228.62	0.57	12.9	13.0		1	ICPST	9/14/00	9:18
Copper	324.75	0.49	6.4	18.1		1	ICPST	9/14/00	9:18
Iron	271.44	7.0	25.7	24300		1	ICPST	9/14/00	9:18
Lead	220.35	0.34	0.77	15.6	*	1	ICPST	9/14/00	9:18
Magnesium	279.08	3.5	1290	4040		1	ICPST	9/14/00	9:18
Manganese	257.61	0.10	3.9	319		1	ICPST	9/14/00	9:18
Nickel	231.60	0.49	10.3	22.6		1	ICPST	9/14/00	9:18
Potassium	766.49	13.5	1290	1190	B	1	ICPST	9/14/00	9:18
Selenium	196.03	1.1	1.3	1.1	U	1	ICPST	9/14/00	9:18
Silver	328.07	0.80	2.6	0.80	U	1	ICPST	9/14/00	9:18
Sodium	330.23	113	1290	113	U	1	ICPST	9/14/00	9:18
Thallium	190.86	1.4	2.6	1.4	U	1	ICPST	9/14/00	9:18
Vanadium	292.40	0.36	12.9	28.3		1	ICPST	9/14/00	9:18
Zinc	213.86	0.15	5.2	55.7		1	ICPST	9/14/00	9:18

Comments: Lot #: A0I010248 Sample #: 2

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRND **Client ID:** SL50-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 22.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.064	0.13	0.064	U	1	CVAA	9/13/00	16:18

Comments: Lot #: A0I010248 Sample #: 2

Version 3.63.6 Beta

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

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNG **Client ID:** SL51-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 61.9

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	9.9	105	16400	*	1	ICPST	9/14/00	9:23
Antimony	206.84	2.3	31.5	2.3	UN	1	ICPST	9/14/00	9:23
Arsenic	189.04	1.9	5.3	27.6		1	ICPST	9/14/00	9:23
Barium	493.41	0.21	105	172		1	ICPST	9/14/00	9:23
Beryllium	313.04	0.11	2.6	0.71	B	1	ICPST	9/14/00	9:23
Cadmium	226.50	0.21	2.6	1.5	B	1	ICPST	9/14/00	9:23
Calcium	317.93	4.3	2630	62800		1	ICPST	9/14/00	9:23
Chromium	267.72	1.1	5.3	68.2		1	ICPST	9/14/00	9:23
Cobalt	228.62	1.2	26.3	15.9	B	1	ICPST	9/14/00	9:23
Copper	324.75	1.0	13.1	78.5		1	ICPST	9/14/00	9:23
Iron	271.44	14.3	52.5	44100		1	ICPST	9/14/00	9:23
Lead	220.35	0.68	1.6	154	*	1	ICPST	9/14/00	9:23
Magnesium	279.08	7.0	2630	21900		1	ICPST	9/14/00	9:23
Manganese	257.61	0.21	7.9	1700		1	ICPST	9/14/00	9:23
Nickel	231.60	1.0	21.0	46.8		1	ICPST	9/14/00	9:23
Potassium	766.49	27.5	2630	2410	B	1	ICPST	9/14/00	9:23
Selenium	196.03	2.3	2.6	2.3	U	1	ICPST	9/14/00	9:23
Silver	328.07	1.6	5.3	1.6	U	1	ICPST	9/14/00	9:23
Sodium	330.23	231	2630	252	B	1	ICPST	9/14/00	9:23
Thallium	190.86	2.8	5.3	2.8	U	1	ICPST	9/14/00	9:23
Vanadium	292.40	0.74	26.3	36.4		1	ICPST	9/14/00	9:23
Zinc	213.86	0.32	10.5	383		1	ICPST	9/14/00	9:23

Comments: Lot #: A0I010248 Sample #: 3

Version 3.63.6 Beta

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

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNG **Client ID:** SL51-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 61.9

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.13	0.26	0.20	B	1	CVAA	9/13/00	16:20

Comments: Lot #: A0I010248 Sample #: 3

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNK **Client ID:** SL51-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 27

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.2	54.8	15700	*	1	ICPST	9/14/00	9:28
Antimony	206.84	1.2	16.4	1.2	UN	1	ICPST	9/14/00	9:28
Arsenic	189.04	0.99	2.7	3.9		1	ICPST	9/14/00	9:28
Barium	493.41	0.11	54.8	127		1	ICPST	9/14/00	9:28
Beryllium	313.04	0.055	1.4	0.83	B	1	ICPST	9/14/00	9:28
Cadmium	226.50	0.11	1.4	0.21	B	1	ICPST	9/14/00	9:28
Calcium	317.93	2.3	1370	4730		1	ICPST	9/14/00	9:28
Chromium	267.72	0.55	2.7	21.9		1	ICPST	9/14/00	9:28
Cobalt	228.62	0.60	13.7	7.3	B	1	ICPST	9/14/00	9:28
Copper	324.75	0.52	6.9	17.6		1	ICPST	9/14/00	9:28
Iron	271.44	7.5	27.4	19100		1	ICPST	9/14/00	9:28
Lead	220.35	0.36	0.82	14.6	*	1	ICPST	9/14/00	9:28
Magnesium	279.08	3.7	1370	3490		1	ICPST	9/14/00	9:28
Manganese	257.61	0.11	4.1	215		1	ICPST	9/14/00	9:28
Nickel	231.60	0.52	11.0	20.8		1	ICPST	9/14/00	9:28
Potassium	766.49	14.4	1370	1500		1	ICPST	9/14/00	9:28
Selenium	196.03	1.2	1.4	1.2	U	1	ICPST	9/14/00	9:28
Silver	328.07	0.85	2.7	0.85	U	1	ICPST	9/14/00	9:28
Sodium	330.23	120	1370	120	U	1	ICPST	9/14/00	9:28
Thallium	190.86	1.5	2.7	1.5	U	1	ICPST	9/14/00	9:28
Vanadium	292.40	0.38	13.7	27.3		1	ICPST	9/14/00	9:28
Zinc	213.86	0.16	5.5	53.6		1	ICPST	9/14/00	9:28

Comments: Lot #: A0I010248 Sample #: 4

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNK **Client ID:** SL51-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 27

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.069	0.14	0.069	U	1	CVAA	9/13/00	16:21

Comments: Lot #: A0I010248 Sample #: 4

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNM **Client ID:** SL52-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 34.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.8	61.2	12900	*	1	ICPST	9/14/00	10:13
Antimony	206.84	1.3	18.4	1.3	UN	1	ICPST	9/14/00	10:13
Arsenic	189.04	1.1	3.1	6.2		1	ICPST	9/14/00	10:13
Barium	493.41	0.12	61.2	136		1	ICPST	9/14/00	10:13
Beryllium	313.04	0.061	1.5	0.62	B	1	ICPST	9/14/00	10:13
Cadmium	226.50	0.12	1.5	0.80	B	1	ICPST	9/14/00	10:13
Calcium	317.93	2.5	1530	5330		1	ICPST	9/14/00	10:13
Chromium	267.72	0.61	3.1	18.2		1	ICPST	9/14/00	10:13
Cobalt	228.62	0.67	15.3	9.8	B	1	ICPST	9/14/00	10:13
Copper	324.75	0.58	7.7	34.3		1	ICPST	9/14/00	10:13
Iron	271.44	8.4	30.6	20200		1	ICPST	9/14/00	10:13
Lead	220.35	0.40	0.92	52.8	*	1	ICPST	9/14/00	10:13
Magnesium	279.08	4.1	1530	3170		1	ICPST	9/14/00	10:13
Manganese	257.61	0.12	4.6	397		1	ICPST	9/14/00	10:13
Nickel	231.60	0.58	12.2	20.9		1	ICPST	9/14/00	10:13
Potassium	766.49	16.0	1530	1620		1	ICPST	9/14/00	10:13
Selenium	196.03	1.3	1.5	1.3	U	1	ICPST	9/14/00	10:13
Silver	328.07	0.95	3.1	0.95	U	1	ICPST	9/14/00	10:13
Sodium	330.23	134	1530	137	B	1	ICPST	9/14/00	10:13
Thallium	190.86	1.6	3.1	1.6	U	1	ICPST	9/14/00	10:13
Vanadium	292.40	0.43	15.3	24.2		1	ICPST	9/14/00	10:13
Zinc	213.86	0.18	6.1	140		1	ICPST	9/14/00	10:13

Comments: Lot #: A0I010248 Sample #: 5

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNM **Client ID:** SL52-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 34.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.077	0.15	0.096	B	1	CVAA	9/13/00	16:22

Comments: Lot #: A0I010248 Sample #: 5

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNN **Client ID:** SL52-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 21.1

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	4.8	50.7	15900	*	1	ICPST	9/14/00	10:18
Antimony	206.84	1.1	15.2	1.1	UN	1	ICPST	9/14/00	10:18
Arsenic	189.04	0.91	2.5	5.8		1	ICPST	9/14/00	10:18
Barium	493.41	0.10	50.7	117		1	ICPST	9/14/00	10:18
Beryllium	313.04	0.051	1.3	0.68	B	1	ICPST	9/14/00	10:18
Cadmium	226.50	0.10	1.3	0.29	B	1	ICPST	9/14/00	10:18
Calcium	317.93	2.1	1270	2770		1	ICPST	9/14/00	10:18
Chromium	267.72	0.51	2.5	25.1		1	ICPST	9/14/00	10:18
Cobalt	228.62	0.56	12.7	11.0	B	1	ICPST	9/14/00	10:18
Copper	324.75	0.48	6.3	18.5		1	ICPST	9/14/00	10:18
Iron	271.44	6.9	25.4	25300		1	ICPST	9/14/00	10:18
Lead	220.35	0.33	0.76	16.3	*	1	ICPST	9/14/00	10:18
Magnesium	279.08	3.4	1270	5080		1	ICPST	9/14/00	10:18
Manganese	257.61	0.10	3.8	427		1	ICPST	9/14/00	10:18
Nickel	231.60	0.48	10.1	31.5		1	ICPST	9/14/00	10:18
Potassium	766.49	13.3	1270	1790		1	ICPST	9/14/00	10:18
Selenium	196.03	1.1	1.3	1.1	U	1	ICPST	9/14/00	10:18
Silver	328.07	0.79	2.5	0.79	U	1	ICPST	9/14/00	10:18
Sodium	330.23	111	1270	111	U	1	ICPST	9/14/00	10:18
Thallium	190.86	1.3	2.5	1.3	U	1	ICPST	9/14/00	10:18
Vanadium	292.40	0.36	12.7	26.1		1	ICPST	9/14/00	10:18
Zinc	213.86	0.15	5.1	64.9		1	ICPST	9/14/00	10:18

Comments: Lot #: A0I010248 Sample #: 6

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNN **Client ID:** SL52-4'

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 21.1

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.063	0.13	0.063	U	1	CVAA	9/13/00	16:23

Comments: Lot #: A0I010248 Sample #: 6

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNQ **Client ID:** SL53-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 31.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	5.5	58.2	4550	*	1	ICPST	9/14/00	10:23
Antimony	206.84	1.3	17.5	7.7	BN	1	ICPST	9/14/00	10:23
Arsenic	189.04	1.1	2.9	33.2		1	ICPST	9/14/00	10:23
Barium	493.41	0.12	58.2	87.8		1	ICPST	9/14/00	10:23
Beryllium	313.04	0.058	1.5	0.36	B	1	ICPST	9/14/00	10:23
Cadmium	226.50	0.12	1.5	2.6		1	ICPST	9/14/00	10:23
Calcium	317.93	2.4	1460	49300		1	ICPST	9/14/00	10:23
Chromium	267.72	0.58	2.9	23.6		1	ICPST	9/14/00	10:23
Cobalt	228.62	0.64	14.6	14.7		1	ICPST	9/14/00	10:23
Copper	324.75	0.55	7.3	534		1	ICPST	9/14/00	10:23
Iron	271.44	8.0	29.1	135000		1	ICPST	9/14/00	10:23
Lead	220.35	0.38	0.87	255	*	1	ICPST	9/14/00	10:23
Magnesium	279.08	3.9	1460	5440		1	ICPST	9/14/00	10:23
Manganese	257.61	0.12	4.4	1600		1	ICPST	9/14/00	10:23
Nickel	231.60	0.55	11.6	25.4		1	ICPST	9/14/00	10:23
Potassium	766.49	15.3	1460	617	B	1	ICPST	9/14/00	10:23
Selenium	196.03	1.3	1.5	1.3	U	1	ICPST	9/14/00	10:23
Silver	328.07	0.90	2.9	0.90	U	1	ICPST	9/14/00	10:23
Sodium	330.23	128	1460	135	B	1	ICPST	9/14/00	10:23
Thallium	190.86	1.5	2.9	1.5	U	1	ICPST	9/14/00	10:23
Vanadium	292.40	0.41	14.6	23.3		1	ICPST	9/14/00	10:23
Zinc	213.86	0.18	5.8	547		1	ICPST	9/14/00	10:23

Comments: Lot #: A0I010248 Sample #: 7

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRNQ **Client ID:** SL53-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 31.3

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.073	0.15	0.29		1	CVAA	9/13/00	16:27

Comments: Lot #: A0I010248 Sample #: 7

Version 3.63.6 Beta

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

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRP0 **Client ID:** SL54-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 23.9

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	4.9	52.6	13100	*	1	ICPST	9/14/00	10:28
Antimony	206.84	1.1	15.8	1.1	UN	1	ICPST	9/14/00	10:28
Arsenic	189.04	0.95	2.6	14.5		1	ICPST	9/14/00	10:28
Barium	493.41	0.11	52.6	72.5		1	ICPST	9/14/00	10:28
Beryllium	313.04	0.053	1.3	0.43	B	1	ICPST	9/14/00	10:28
Cadmium	226.50	0.11	1.3	0.34	B	1	ICPST	9/14/00	10:28
Calcium	317.93	2.2	1310	38600		1	ICPST	9/14/00	10:28
Chromium	267.72	0.53	2.6	22.8		1	ICPST	9/14/00	10:28
Cobalt	228.62	0.58	13.1	12.1	B	1	ICPST	9/14/00	10:28
Copper	324.75	0.50	6.6	28.5		1	ICPST	9/14/00	10:28
Iron	271.44	7.2	26.3	24400		1	ICPST	9/14/00	10:28
Lead	220.35	0.34	0.79	32.5	*	1	ICPST	9/14/00	10:28
Magnesium	279.08	3.5	1310	18000		1	ICPST	9/14/00	10:28
Manganese	257.61	0.11	3.9	589		1	ICPST	9/14/00	10:28
Nickel	231.60	0.50	10.5	30.7		1	ICPST	9/14/00	10:28
Potassium	766.49	13.8	1310	2710		1	ICPST	9/14/00	10:28
Selenium	196.03	1.1	1.3	1.1	U	1	ICPST	9/14/00	10:28
Silver	328.07	0.82	2.6	0.82	U	1	ICPST	9/14/00	10:28
Sodium	330.23	115	1310	118	B	1	ICPST	9/14/00	10:28
Thallium	190.86	1.4	2.6	1.4	U	1	ICPST	9/14/00	10:28
Vanadium	292.40	0.37	13.1	25.4		1	ICPST	9/14/00	10:28
Zinc	213.86	0.16	5.3	103		1	ICPST	9/14/00	10:28

Comments: Lot #: A0I010248 Sample #: 8

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRP0 **Client ID:** SL54-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 23.9

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.066	0.13	0.066	U	1	CVAA	9/13/00	16:28

Comments: Lot #: A0I010248 Sample #: 8

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRP7 **Client ID:** SL55-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 13.8

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	4.4	46.4	11500	*	1	ICPST	9/14/00	10:33
Antimony	206.84	1.0	13.9	1.0	UN	1	ICPST	9/14/00	10:33
Arsenic	189.04	0.84	2.3	10.1		1	ICPST	9/14/00	10:33
Barium	493.41	0.093	46.4	72.3		1	ICPST	9/14/00	10:33
Beryllium	313.04	0.046	1.2	0.41	B	1	ICPST	9/14/00	10:33
Cadmium	226.50	0.093	1.2	0.38	B	1	ICPST	9/14/00	10:33
Calcium	317.93	1.9	1160	35400		1	ICPST	9/14/00	10:33
Chromium	267.72	0.46	2.3	21.2		1	ICPST	9/14/00	10:33
Cobalt	228.62	0.51	11.6	10.2	B	1	ICPST	9/14/00	10:33
Copper	324.75	0.44	5.8	38.9		1	ICPST	9/14/00	10:33
Iron	271.44	6.3	23.2	25000		1	ICPST	9/14/00	10:33
Lead	220.35	0.30	0.70	53.0	*	1	ICPST	9/14/00	10:33
Magnesium	279.08	3.1	1160	15100		1	ICPST	9/14/00	10:33
Manganese	257.61	0.093	3.5	546		1	ICPST	9/14/00	10:33
Nickel	231.60	0.44	9.3	25.9		1	ICPST	9/14/00	10:33
Potassium	766.49	12.2	1160	2000		1	ICPST	9/14/00	10:33
Selenium	196.03	1.0	1.2	1.0	U	1	ICPST	9/14/00	10:33
Silver	328.07	0.72	2.3	0.72	U	1	ICPST	9/14/00	10:33
Sodium	330.23	102	1160	102	U	1	ICPST	9/14/00	10:33
Thallium	190.86	1.2	2.3	1.2	U	1	ICPST	9/14/00	10:33
Vanadium	292.40	0.33	11.6	23.7		1	ICPST	9/14/00	10:33
Zinc	213.86	0.14	4.6	111		1	ICPST	9/14/00	10:33

Comments: Lot #: A0I010248 Sample #: 9

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Results

Lab Sample ID: DJRP7 **Client ID:** SL55-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 13.8

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.058	0.12	0.058	U	1	CVAA	9/13/00	16:29

Comments: Lot #: A0I010248 Sample #: 9

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL North Canton

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10913a.prn **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 9/13/00 4:05 PM									
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.49	99.8								

STL North Canton

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 9/14/00 7:48 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	12500.0	12361.44	98.9								
Antimony	206.838	250.0	264.79	105.9								
Arsenic	189.042	250.0	250.34	100.1								
Barium	493.409	1000.0	988.92	98.9								
Beryllium	313.042	1000.0	1035.92	103.6								
Cadmium	226.502	250.0	251.27	100.5								
Calcium	317.933	25000.0	24776.38	99.1								
Chromium	267.716	1000.0	1013.75	101.4								
Cobalt	228.616	1000.0	1007.54	100.8								
Copper	324.753	1000.0	1002.62	100.3								
Iron	271.441	12500.0	12866.75	102.9								
Lead	220.353	250.0	257.43	103.0								
Magnesium	279.078	25000.0	24808.25	99.2								
Manganese	257.61	1000.0	1021.35	102.1								
Nickel	231.604	1000.0	1026.02	102.6								
Potassium	766.491	25000.0	25188.23	100.8								
Selenium	196.026	250.0	255.21	102.1								
Silver	328.068	500.0	490.66	98.1								
Sodium	330.232	25000.0	24769.02	99.1								
Thallium	190.864	500.0	522.45	104.5								
Vanadium	292.402	1000.0	1006.28	100.6								
Zinc	213.856	1000.0	1030.60	103.1								

STL North Canton

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10913a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 9/13/00 4:08 PM		CCV 9/13/00 4:24 PM		CCV 9/13/00 4:39 PM					
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	5.07	101.3	4.87	97.5	4.86	97.3				

STL North Canton

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 9/14/00 8:28 AM Found	% Rec	CCV 9/14/00 9:33 AM Found	% Rec	CCV 9/14/00 11:01 AM Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	25000.0	25333.60	101.3	25010.03	100.0	25427.90	101.7				
Antimony	206.838	500.0	530.03	106.0	523.44	104.7	527.04	105.4				
Arsenic	189.042	500.0	511.98	102.4	507.19	101.4	507.72	101.5				
Barium	493.409	2000.0	2045.63	102.3	2008.31	100.4	2011.41	100.6				
Beryllium	313.042	2000.0	2081.26	104.1	2060.35	103.0	2072.94	103.6				
Cadmium	226.502	500.0	510.05	102.0	516.20	103.2	519.58	103.9				
Calcium	317.933	50000.0	50474.01	100.9	50769.25	101.5	51661.25	103.3				
Chromium	267.716	2000.0	2065.29	103.3	2064.47	103.2	2079.08	104.0				
Cobalt	228.616	2000.0	2088.48	104.4	2091.67	104.6	2102.85	105.1				
Copper	324.753	2000.0	2036.30	101.8	2005.39	100.3	1994.67	99.7				
Iron	271.441	25000.0	26069.63	104.3	26092.68	104.4	26300.91	105.2				
Lead	220.353	500.0	510.45	102.1	515.64	103.1	518.18	103.6				
Magnesium	279.078	50000.0	51135.44	102.3	50771.56	101.5	51663.53	103.3				
Manganese	257.61	2000.0	2074.41	103.7	2065.13	103.3	2076.24	103.8				
Nickel	231.604	2000.0	2090.49	104.5	2071.18	103.6	2071.83	103.6				
Potassium	766.491	50000.0	50329.00	100.7	49444.17	98.9	51704.31	103.4				
Selenium	196.026	500.0	509.06	101.8	511.60	102.3	515.76	103.2				
Silver	328.068	1000.0	1004.07	100.4	987.30	98.7	990.39	99.0				
Sodium	330.232	50000.0	50284.26	100.6	49932.80	99.9	50799.19	101.6				
Thallium	190.864	1000.0	1019.37	101.9	1043.32	104.3	1050.30	105.0				
Vanadium	292.402	2000.0	2040.98	102.0	2036.42	101.8	2045.74	102.3				
Zinc	213.856	2000.0	2086.12	104.3	2061.51	103.1	2066.20	103.3				

STL North Canton

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10913a.prn **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRA 9/13/00 4:07 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.15	75.1								

STL North Canton

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI 9/14/00 8:05 AM Found	% Rec	CRI 9/14/00 10:46 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	206.838	120.0	128.45	107.0	128.19	106.8						
Arsenic	189.042	20.0	18.31	91.5	20.24	101.2						
Beryllium	313.042	10.0	10.39	103.9	10.29	102.9						
Cadmium	226.502	10.0	10.40	104.0	10.69	106.9						
Chromium	267.716	20.0	19.90	99.5	21.76	108.8						
Cobalt	228.616	100.0	104.33	104.3	105.44	105.4						
Copper	324.753	50.0	51.65	103.3	49.96	99.9						
Lead	220.353	6.0	5.19	86.5	6.48	108.1						
Manganese	257.61	30.0	31.55	105.2	32.58	108.6						
Nickel	231.604	80.0	84.38	105.5	86.65	108.3						
Selenium	196.026	10.0	9.36	93.6	11.94	119.4						
Silver	328.068	20.0	19.85	99.2	19.84	99.2						
Thallium	190.864	20.0	23.74	118.7	26.09	130.4						
Vanadium	292.402	100.0	101.72	101.7	102.15	102.1						
Zinc	213.856	40.0	38.77	96.9	38.85	97.1						

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10913a.prn

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 9/13/00 4:06 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

Version 3.63.6 Beta

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

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 9/14/00 7:53 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	18.8	U								
Antimony	206.838	60	4.3	U								
Arsenic	189.042	10	3.6	U								
Barium	493.409	200	**0.6**	**B**								
Beryllium	313.042	5	**0.6**	**B**								
Cadmium	226.502	5	0.4	U								
Calcium	317.933	5000	**34.7**	**B**								
Chromium	267.716	10	2.0	U								
Cobalt	228.616	50	2.2	U								
Copper	324.753	25	1.9	U								
Iron	271.441	100	27.3	U								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**37.4**	**B**								
Manganese	257.61	15	**0.6**	**B**								
Nickel	231.604	40	1.9	U								
Potassium	766.491	5000	52.4	U								
Selenium	196.026	5	4.3	U								
Silver	328.068	10	3.1	U								
Sodium	330.232	5000	439.0	U								
Thallium	190.864	10	5.3	U								
Vanadium	292.402	50	1.4	U								
Zinc	213.856	20	0.6	U								

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10913a.prn

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 9/13/00 4:10 PM		CCB 9/13/00 4:25 PM		CCB 9/13/00 4:40 PM					
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U				

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 9/14/00 8:33 AM Found	Q	CCB 9/14/00 10:08 AM Found	Q	CCB 9/14/00 11:06 AM Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	**103.0**	**B**	**40.6**	**B**	**114.0**	**B**				
Antimony	206.838	60	4.3	U	4.3	U	4.3	U				
Arsenic	189.042	10	3.6	U	3.6	U	3.6	U				
Barium	493.409	200	**0.9**	**B**	0.4	U	**0.9**	**B**				
Beryllium	313.042	5	**1.1**	**B**	0.2	U	**0.9**	**B**				
Cadmium	226.502	5	0.4	U	0.4	U	**0.5**	**B**				
Calcium	317.933	5000	**108.0**	**B**	**12.1**	**B**	**98.2**	**B**				
Chromium	267.716	10	2.0	U	2.0	U	2.0	U				
Cobalt	228.616	50	2.2	U	2.2	U	2.2	U				
Copper	324.753	25	1.9	U	1.9	U	1.9	U				
Iron	271.441	100	**43.3**	**B**	27.3	U	**42.7**	**B**				
Lead	220.353	3	1.3	U	1.3	U	1.3	U				
Magnesium	279.078	5000	**112.0**	**B**	13.4	U	**97.6**	**B**				
Manganese	257.61	15	**1.0**	**B**	0.4	U	**0.9**	**B**				
Nickel	231.604	40	1.9	U	1.9	U	1.9	U				
Potassium	766.491	5000	52.4	U	52.4	U	52.4	U				
Selenium	196.026	5	4.3	U	4.3	U	4.3	U				
Silver	328.068	10	3.1	U	3.1	U	3.1	U				
Sodium	330.232	5000	439.0	U	439.0	U	439.0	U				
Thallium	190.864	10	5.3	U	5.3	U	5.3	U				
Vanadium	292.402	50	1.4	U	1.4	U	1.4	U				
Zinc	213.856	20	**0.9**	**B**	0.6	U	0.6	U				

STL North Canton

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: PBS

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.215**	**3.8**	**40.0**	**12.2**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Antimony	206.838	0.86	12.0	0.86	U	1	ICPST	9/14/00	8:38
Arsenic	189.042	0.72	2.0	0.72	U	1	ICPST	9/14/00	8:38
Barium	**493.409**	**0.080**	**40.0**	**0.22**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Beryllium	**313.042**	**0.040**	**1.0**	**0.11**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Cadmium	226.502	0.080	1.0	0.080	U	1	ICPST	9/14/00	8:38
Calcium	**317.933**	**1.6**	**1000**	**36.4**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Chromium	267.716	0.40	2.0	0.40	U	1	ICPST	9/14/00	8:38
Cobalt	228.616	0.44	10.0	0.44	U	1	ICPST	9/14/00	8:38
Copper	324.753	0.38	5.0	0.38	U	1	ICPST	9/14/00	8:38
Iron	**271.441**	**5.5**	**20.0**	**6.0**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Lead	220.353	0.26	0.60	0.26	U	1	ICPST	9/14/00	8:38
Magnesium	**279.078**	**2.7**	**1000**	**15.1**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Manganese	**257.61**	**0.080**	**3.0**	**0.27**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**
Nickel	231.604	0.38	8.0	0.38	U	1	ICPST	9/14/00	8:38
Potassium	766.491	10.5	1000	10.5	U	1	ICPST	9/14/00	8:38
Selenium	196.026	0.86	1.0	0.86	U	1	ICPST	9/14/00	8:38
Silver	328.068	0.62	2.0	0.62	U	1	ICPST	9/14/00	8:38
Sodium	330.232	87.8	1000	87.8	U	1	ICPST	9/14/00	8:38
Thallium	190.864	1.1	2.0	1.1	U	1	ICPST	9/14/00	8:38
Vanadium	292.402	0.28	10.0	0.28	U	1	ICPST	9/14/00	8:38
Zinc	**213.856**	**0.12**	**4.0**	**0.99**	**B**	**1**	**ICPST**	**9/14/00**	**8:38**

Comments: Lot #: A0I010248

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: PBS

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.050	0.10	0.050	U	1	CVAA	9/13/00	16:12

Comments: Lot #: A0I010248

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 9/14/00 8:13 AM Found	ICSA 9/14/00 10:51 AM Found	Found	Found	Found
Aluminum	308.215		500000	492000	488000			
Antimony	206.838	60		-1	1			
Arsenic	189.042	10		1	1			
Barium	493.409	200		2	2			
Beryllium	313.042	5		0	0			
Cadmium	226.502	5		1	1			
Calcium	317.933		500000	497000	512000			
Chromium	267.716	10		-2	-2			
Cobalt	228.616	50		2	2			
Copper	324.753	25		3	1			
Iron	271.441		200000	199000	199000			
Lead	220.353	3		4	2			
Magnesium	279.078		500000	488000	489000			
Manganese	257.61	15		8	8			
Nickel	231.604	40		2	2			
Potassium	766.491	5000		3	2			
Selenium	196.026	5		0	-2			
Silver	328.068	10		0	0			
Sodium	330.232	5000		-81	-120			
Thallium	190.864	10		1	2			
Vanadium	292.402	50		-2	-2			
Zinc	213.856	20		16	16			

STL North Canton

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: i60914a.arc **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 9/14/00 8:18 AM Found	% Rec	ICSAB 9/14/00 10:56 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	500000	490295.5	98.1	489576.7	97.9						
Antimony	206.838	600	635.2	105.9	638.6	106.4						
Arsenic	189.042	100	99.6	99.6	101.9	101.9						
Barium	493.409	500	520.5	104.1	512.8	102.6						
Beryllium	313.042	500	507.7	101.5	507.3	101.5						
Cadmium	226.502	1000	961.7	96.2	978.2	97.8						
Calcium	317.933	500000	496132.4	99.2	515731.5	103.1						
Chromium	267.716	500	485.8	97.2	490.7	98.1						
Cobalt	228.616	500	497.2	99.4	499.3	99.9						
Copper	324.753	500	544.7	108.9	531.1	106.2						
Iron	271.441	200000	199129.1	99.6	200649.4	100.3						
Lead	220.353	50	51.7	103.4	51.7	103.5						
Magnesium	279.078	500000	487701.8	97.5	492042.6	98.4						
Manganese	257.61	500	477.7	95.5	478.7	95.7						
Nickel	231.604	1000	974.1	97.4	968.2	96.8						
Selenium	196.026	50	49.2	98.5	50.2	100.4						
Silver	328.068	200	206.1	103.0	203.8	101.9						
Thallium	190.864	100	91.1	91.1	96.8	96.8						
Vanadium	292.402	500	487.7	97.5	489.6	97.9						
Zinc	213.856	1000	1050.4	105.0	1039.9	104.0						

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed

STL North Canton

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: DJRN4S

Original Sample ID: DJRN4 **Client ID:** SL50-6"S

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	O	MS Conc	O	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Antimony	206.8	1.1	B	67.7	N	125.94	52.9	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Barium	493.4	59.2		524		503.78	92.3	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Beryllium	313.0	0.38	B	11.8		12.594	90.4	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Cadmium	226.5	0.56	B	11.6		12.594	87.6	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Chromium	267.7	29.7		80.7		50.378	101.2	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Cobalt	228.6	7.9	B	121		125.94	89.9	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Copper	324.8	34.1		96.9		62.972	99.7	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Manganese	257.6	606		737	NC	125.94		1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Nickel	231.6	17.7		134		125.94	92.2	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Silver	328.1	0.78	U	13.2		12.594	104.9	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Vanadium	292.4	15.1		136		125.94	96.0	1	1	ICPST	9/14/00	8:51	9/14/00	9:11
Zinc	213.9	215		329		125.94	89.8	1	1	ICPST	9/14/00	8:51	9/14/00	9:11

Comments: Lot #: A0I010248 Sample #: 1

Version 3.63.6 Beta

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

Form 5A Equivalent

STL North Canton

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: DJRN4ST

Original Sample ID: DJRN4 **Client ID:** SL50-6"ST

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Arsenic	189.0	20.0		27.7		10.076	76.5	1	1	ICPST	9/14/00	8:51	9/14/00	9:06
Lead	220.4	78.5		90.8	NC	5.0378		1	1	ICPST	9/14/00	8:51	9/14/00	9:06
Selenium	196.0	1.1	U	2.0		2.5189	79.3	1	1	ICPST	9/14/00	8:51	9/14/00	9:06
Thallium	190.9	1.3	U	12.4		12.594	98.3	1	1	ICPST	9/14/00	8:51	9/14/00	9:06

Comments:

Version 3.63.6 Beta

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

Form 5A Equivalent

STL North Canton

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: DJRN4S

Original Sample ID: DJRN4 **Client ID:** SL50-6"S

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	O	MS Conc	O	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Mercury	253.7	0.067	B	0.57		0.6297	79.4	1	1	CVAA	9/13/00	16:14	9/13/00	16:17

Comments: Lot #: A0I010248 Sample #: 1

Version 3.63.6 Beta

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

Form 5A Equivalent

STL North Canton

Metals Data Reporting Form

Post Digest Spike Sample Results

Spike Sample ID: DJRN4A

Original Sample ID: DJRN4 **Client ID:** SL50-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Antimony	206.8	1.1	BN	34.4		30.227	110.1	1	1	ICPST	9/14/00	8:51	9/14/00	10:38

Comments:

Version 3.63.6 Beta

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5B Equivalent

STL North Canton

Metals Data Reporting Form

Sample Duplicate RPD Report

Duplicate Sample ID: DJRN4D

Original Sample ID: DJRN4 **Client ID:** SL50-6"D

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Aluminum	308.215	5580		9040	*	47.3 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Antimony	206.838	1.1	BN	1.1	U	0.2 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Arsenic	189.042	20.0		21.3		6.4 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Barium	493.409	59.2		69.9		10.7 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Beryllium	313.042	0.38	B	0.49	B	0.1 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Cadmium	226.502	0.56	B	0.57	B	0.0 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Calcium	317.933	63800		57400		10.6 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Chromium	267.716	29.7		32.1		7.6 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Cobalt	228.616	7.9	B	9.4	B	1.5 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Copper	324.753	34.1		40.4		16.9 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Iron	271.441	32000		39000		19.8 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Lead	220.353	78.5		150	*	62.3 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Magnesium	279.078	33400		28600		15.5 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Manganese	257.61	606		664		9.2 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Nickel	231.604	17.7		22.6		4.8 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Potassium	766.491	836	B	1280		443.7 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Selenium	196.026	1.1	U	1.1	U		1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Silver	328.068	0.78	U	0.78	U		1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Sodium	330.232	162	B	320	B	157.9 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Thallium	190.864	1.3	U	1.3	U		1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Vanadium	292.402	15.1		19.7		4.6 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01
Zinc	213.856	215		208		3.3 %	1	1	ICPST	9/14/00	8:51	9/14/00	9:01

Version 3.63.6 Beta

U Result is less than the IDL
B Result is between IDL and RL
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

STL North Canton

Metals Data Reporting Form

Sample Duplicate RPD Report

Duplicate Sample ID: DJRN4D

Original Sample ID: DJRN4 **Client ID:** SL50-6"D

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	O	Dupe Conc	O	RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Mercury	253.7	0.067	B	0.069	B	0.0 %	1	1	CVAA	9/13/00	16:14	9/13/00	16:16

Version 3.63.6 Beta

U Result is less than the IDL
B Result is between IDL and RL
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

STL North Canton

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: LCSS

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Aluminum	308.215	8270	6070	73.4		51-149	1	ICPST	9/14/00	8:43
Antimony	206.838	32.6	19.4	59.5		6-209	1	ICPST	9/14/00	8:43
Arsenic	189.042	185	189	102.4		74-126	1	ICPST	9/14/00	8:43
Barium	493.409	177	175	98.8		77-123	1	ICPST	9/14/00	8:43
Beryllium	313.042	45.0	48.8	108.5		78-122	1	ICPST	9/14/00	8:43
Cadmium	226.502	64.0	69.5	108.6		77-123	1	ICPST	9/14/00	8:43
Calcium	317.933	10500	10700	101.5		75-126	1	ICPST	9/14/00	8:43
Chromium	267.716	143	152	106.2		80-120	1	ICPST	9/14/00	8:43
Cobalt	228.616	212	231	108.9		79-120	1	ICPST	9/14/00	8:43
Copper	324.753	92.7	98.3	106.1		82-118	1	ICPST	9/14/00	8:43
Iron	271.441	12700	10700	84.3		59-141	1	ICPST	9/14/00	8:43
Lead	220.353	119	133	111.8		76-124	1	ICPST	9/14/00	8:43
Magnesium	279.078	2750	2550	92.6		75-125	1	ICPST	9/14/00	8:43
Manganese	257.61	388	398	102.5		80-120	1	ICPST	9/14/00	8:43
Nickel	231.604	74.5	82.2	110.3		78-122	1	ICPST	9/14/00	8:43
Potassium	766.491	3580	3510	98.1		73-127	1	ICPST	9/14/00	8:43
Selenium	196.026	150	164	109.4		74-125	1	ICPST	9/14/00	8:43
Silver	328.068	90.0	91.3	101.5		74-126	1	ICPST	9/14/00	8:43
Sodium	330.232	1020	1000	98.4		68-132	1	ICPST	9/14/00	8:43
Thallium	190.864	80.3	90.9	113.1		57-143	1	ICPST	9/14/00	8:43
Vanadium	292.402	173	172	99.3		68-132	1	ICPST	9/14/00	8:43
Zinc	213.856	273	289	105.9		77-123	1	ICPST	9/14/00	8:43

Comments: Lot #: A0I010248

Version 3.63.6 Beta

U Result is less than the IDL

B Result is between IDL and RL

Form 7 Equivalent

STL North Canton

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: LCSS

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102hg

Weight: 0.2 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Mercury	253.7	1.5	1.6	105.7		57-142	1	CVAA	9/13/00	16:13

Comments: Lot #: A0I010248

STL North Canton

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: DJRN4L

Original Sample ID: DJRN4 **Client ID:** SL50-6"

Matrix: Soil **Units:** mg/kg **Prep Date:** 9/12/00 **Prep Batch:** 0256102

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.6

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	5580		5590		0.1 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Antimony	206.838	1.1	BN	5.4	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Arsenic	189.042	20.0		20.0			1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Barium	493.409	59.2		59.4	B	0.4 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Beryllium	313.042	0.38	B	0.44	B		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Cadmium	226.502	0.56	B	0.50	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Calcium	317.933	63800		64300		0.7 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Chromium	267.716	29.7		30.3		1.8 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Cobalt	228.616	7.9	B	8.4	B		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Copper	324.753	34.1		33.6		1.4 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Iron	271.441	32000		32700		2.3 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Lead	220.353	78.5		80.3		2.3 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Magnesium	279.078	33400		33500		0.1 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Manganese	257.61	606		626		3.3 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Nickel	231.604	17.7		18.6	B		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Potassium	766.491	836	B	752	B	10.0 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Selenium	196.026	1.1	U	5.4	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Silver	328.068	0.78	U	3.9	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Sodium	330.232	162	B	553	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Thallium	190.864	1.3	U	6.7	U		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Vanadium	292.402	15.1		15.2	B		1	5	ICPST	9/14/00	8:51	9/14/00	8:56
Zinc	213.856	215		221		2.6 %	1	5	ICPST	9/14/00	8:51	9/14/00	8:56

Comments:

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ug/L

Element	Wavelength /Mass	Reporting Limit	IDL	Date of IDL
Mercury	253.70	0.2	0.10	7/7/00

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ug/L

Element	Wavelength /Mass	Reporting Limit	IDL	Date of IDL
Aluminum	308.21	200	18.8	7/14/00
Antimony	206.84	60	4.3	7/14/00
Arsenic	189.04	10	3.6	7/14/00
Barium	493.41	200	0.40	7/14/00
Beryllium	313.04	5	0.20	7/14/00
Cadmium	226.50	5	0.40	7/14/00
Calcium	317.93	5000	8.2	7/14/00
Chromium	267.72	10	2.0	7/14/00
Cobalt	228.62	50	2.2	7/14/00
Copper	324.75	25	1.9	7/14/00
Iron	271.44	100	27.3	7/14/00
Lead	220.35	3	1.3	7/14/00
Magnesium	279.08	5000	13.4	7/14/00
Manganese	257.61	15	0.40	7/14/00
Nickel	231.60	40	1.9	7/14/00
Potassium	766.49	5000	52.4	7/14/00
Selenium	196.03	5	4.3	7/14/00
Silver	328.07	10	3.1	7/14/00
Sodium	330.23	5000	439	7/14/00
Thallium	190.86	10	5.3	7/14/00
Vanadium	292.40	50	1.4	7/14/00
Zinc	213.86	20	0.60	7/14/00

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 7/13/00

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Pb(-0.00005), Tl(0.000016)
Chromium	267.716	As(-0.00499), Fe(0.00426), Sb(0.010565), Tl(0.000307)
Copper	324.753	Pb(0.000024), Zn(0.000806)
Iron	271.441	As(-0.00001), Cd(0.000076), Cr(0.000009), Mn(0.00001), Pb(0.000046), Sb(0.000018667), Se(-0.000236667), Tl(-0.00004), V(0.000028), Zn(0.000111)
Manganese	257.61	Ag(0.00015), Se(0.000581667), Tl(-0.00434)
Molybdenum	202.03	Al(0.01462), As(-0.00122), Cr(-0.0001), Cu(0.000493), Fe(0.00274), Pb(-0.000476667), Sb(-0.00396), V(-0.00185)
Nickel	231.604	Cd(-0.00002), Co(0.000204), Pb(0.000136), Sb(-0.0001633), Zn(0.00626)
Vanadium	292.402	Al(0.0225), Be(0.000174), Cr(0.00024), Cu(-0.00035), Fe(0.008814), Pb(-0.000163333), Sb(-0.00526), Tl(0.002858)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ug/L

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Aluminum	308.21	500000	7/13/00
Antimony	206.84	10000	7/13/00
Arsenic	189.04	10000	7/13/00
Barium	493.41	25000	7/13/00
Beryllium	313.04	4000	7/13/00
Cadmium	226.50	2500	7/13/00
Calcium	317.93	600000	7/17/00
Chromium	267.72	50000	7/13/00
Cobalt	228.62	50000	7/13/00
Copper	324.75	30000	7/13/00
Iron	271.44	600000	7/13/00
Lead	220.35	15000	7/13/00
Magnesium	279.08	600000	7/13/00
Manganese	257.61	50000	7/17/00
Nickel	231.60	50000	7/13/00
Potassium	766.49	600000	7/13/00
Selenium	196.03	10000	7/13/00
Silver	328.07	2000	7/13/00
Sodium	330.23	600000	7/17/00
Thallium	190.86	20000	7/13/00
Vanadium	292.40	50000	7/13/00
Zinc	213.86	10000	7/13/00

STL North Canton

Metals Data Reporting Form

Preparation Log

Preparation Batch: 0256102 **Instrument:** ICP **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
LCSS	9/12/00	1.00	200	NA
PBS	9/12/00	1.00	200	NA
DJRN4	9/12/00	1.00	200	20.6
DJRN4D	9/12/00	1.00	200	20.6
DJRN4S	9/12/00	1.00	200	20.6
DJRN4ST	9/12/00	1.00	200	20.6
DJRND	9/12/00	1.00	200	22.3
DJRNG	9/12/00	1.00	200	61.9
DJRNK	9/12/00	1.00	200	27
DJRNM	9/12/00	1.00	200	34.6
DJRNN	9/12/00	1.00	200	21.1
DJRNQ	9/12/00	1.00	200	31.3
DJRP0	9/12/00	1.00	200	23.9
DJRP7	9/12/00	1.00	200	13.8

STL North Canton

Metals Data Reporting Form

Preparation Log

Preparation Batch: 0256102hg **Instrument:** CVAA **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
LCSS	9/12/00	0.2	100	NA
PBS	9/12/00	0.2	100	NA
DJRN4	9/12/00	0.2	100	20.6
DJRN4D	9/12/00	0.2	100	20.6
DJRN4S	9/12/00	0.2	100	20.6
DJRND	9/12/00	0.2	100	22.3
DJRNG	9/12/00	0.2	100	61.9
DJRNK	9/12/00	0.2	100	27
DJRNM	9/12/00	0.2	100	34.6
DJRNN	9/12/00	0.2	100	21.1
DJRNQ	9/12/00	0.2	100	31.3
DJRP0	9/12/00	0.2	100	23.9
DJRP7	9/12/00	0.2	100	13.8

STL North Canton

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** i60914a.arc

Sample Name	Date of Analysis	Time of Analysis
S0	9/14/00	7:31 AM
CALSTD	9/14/00	7:36 AM
CAL 2	9/14/00	7:41 AM
S100	9/14/00	7:44 AM
ICV	9/14/00	7:48 AM
ICB	9/14/00	7:53 AM
ZZZZZZ	9/14/00	7:58 AM
CRI	9/14/00	8:05 AM
ICSA	9/14/00	8:13 AM
ICSAB	9/14/00	8:18 AM
ZZZZZZ	9/14/00	8:23 AM
CCV	9/14/00	8:28 AM
CCB	9/14/00	8:33 AM
PBS	9/14/00	8:38 AM
LCSS	9/14/00	8:43 AM
DJRN4	9/14/00	8:51 AM
DJRN4L	9/14/00	8:56 AM
DJRN4D	9/14/00	9:01 AM
DJRN4ST	9/14/00	9:06 AM
DJRN4S	9/14/00	9:11 AM
DJRND	9/14/00	9:18 AM
DJRNG	9/14/00	9:23 AM
DJRNK	9/14/00	9:28 AM
CCV	9/14/00	9:33 AM
CCB	9/14/00	10:08 AM
DJRNM	9/14/00	10:13 AM
DJRNN	9/14/00	10:18 AM
DJRNQ	9/14/00	10:23 AM
DJRP0	9/14/00	10:28 AM
DJRP7	9/14/00	10:33 AM
DJRN4A	9/14/00	10:38 AM
CRI	9/14/00	10:46 AM
ICSA	9/14/00	10:51 AM
ICSAB	9/14/00	10:56 AM
CCV	9/14/00	11:01 AM
CCB	9/14/00	11:06 AM

STL North Canton

Metals Data Reporting Form

Instrument Runlog

Instrument: CVAA **Chart Number:** hg10913a.prn

Sample Name	Date of Analysis	Time of Analysis
Std1Rep1	9/13/00	3:55 PM
Std2Rep1	9/13/00	3:56 PM
Std3Rep1	9/13/00	3:57 PM
Std4Rep1	9/13/00	3:59 PM
Std5Rep1	9/13/00	4:01 PM
Std6Rep1	9/13/00	4:02 PM
ICV	9/13/00	4:05 PM
ICB	9/13/00	4:06 PM
CRA	9/13/00	4:07 PM
CCV	9/13/00	4:08 PM
CCB	9/13/00	4:10 PM
PBS	9/13/00	4:12 PM
LCSS	9/13/00	4:13 PM
DJRN4	9/13/00	4:14 PM
DJRN4D	9/13/00	4:16 PM
DJRN4S	9/13/00	4:17 PM
DJRND	9/13/00	4:18 PM
DJRNG	9/13/00	4:20 PM
DJRNK	9/13/00	4:21 PM
DJRNM	9/13/00	4:22 PM
DJRNN	9/13/00	4:23 PM
CCV	9/13/00	4:24 PM
CCB	9/13/00	4:25 PM
DJRNQ	9/13/00	4:27 PM
DJRP0	9/13/00	4:28 PM
DJRP7	9/13/00	4:29 PM
ZZZZZZ	9/13/00	4:30 PM
ZZZZZZ	9/13/00	4:31 PM
ZZZZZZ	9/13/00	4:32 PM
ZZZZZZ	9/13/00	4:33 PM
ZZZZZZ	9/13/00	4:34 PM
ZZZZZZ	9/13/00	4:36 PM
ZZZZZZ	9/13/00	4:37 PM
CCV	9/13/00	4:39 PM
CCB	9/13/00	4:40 PM

JDG I01248 } TAL
I11122A }

SCAL	STD OI940	ICSA	STD OH799
S100/ SCAL2	STD OI941	ICSAB	STD OH840
CRI	STD OH800	ICV	STD OH832
CLP CRI	STD OH853	CCV	STD OH918

ICSAB4.0
OH860

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 9-14-00 **Analyst:** KLL **Instrument:** IL

Prep Batches Run: 0256-103 0256-102

Cu/MnRatio: 0.231369765

Circle Methods used: 6010B / ~~200.7~~: CORP-MT-0001 Rev 2
CLP ILM03.0: CORP-MT-0002 Rev 1 ILM04.0
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (*ICV:* 6010B, CLP = 90 - 110%, 200.7 = 95 -105%) (*CCV: 90 - 110%*)	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A/200.7 95-105%, CLP- N/A)			✓	
5. CRI run and recovered within QC limits ? (+/- 50% for non-CLP - 6010A only)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	✓			✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS/MSD run at required frequency and within limits ?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?	✓			✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Level I Analyst: Karen L. Counts **Date:** 9-14-00 **Time:** 7:36 - 14:44
Comments:

Level II Reviewer: [signature] **Date:** 9-14-00 **Time:** 7:36 - 14:14
Comments:

n:qaqc/lab_form/icpchk.doc
Revision 1.0, 08/25/00

Method: TOTAL Standard: S0
Run Time: 09/14/00 07:31:30

Karen L. Counts

Elem	Ag	Al	As	B	Ba	Be	Ca
Avge	-.0006	-.0522	-.0105	.0316	.0006	.0050	.0081
SDev	.0010	.0008	.0012	.0004	.0001	.0002	.0001
%RSD	161.6	1.579	11.50	1.168	10.67	3.546	1.746
#1	-.0013	-.0516	-.0113	.0314	.0005	.0048	.0082
#2	.0001	-.0528	-.0096	.0319	.0006	.0051	.0080

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Avge	-.0403	-.0007	.0066	.0094	-.0004	.0539	.0034
SDev	.0008	.0003	.0014	.0000	.0005	.0056	.0005
%RSD	1.951	35.55	21.74	.2084	113.2	10.41	14.71
#1	-.0398	-.0009	.0077	.0094	-.0008	.0500	.0038
#2	-.0409	-.0005	.0056	.0094	-.0001	.0579	.0031

Elem	Mn	Mo	Na3302	Ni	Sn	Tl	V
Avge	.0009	.0019	.0008	.0004	.0256	-.0091	.0003
SDev	.0001	.0004	.0001	.0006	.0065	.0021	.0001
%RSD	14.35	19.49	15.51	176.9	25.56	22.75	20.41
#1	.0010	.0022	.0007	-.0001	.0210	-.0106	.0004
#2	.0008	.0017	.0009	.0008	.0302	-.0076	.0003

Elem	Zn	2203/1	2203/2	2068/2	2068/1	1960/1	1960/2
Avge	.0173	.1255	-.0062	-.0007	.0017	-.0200	.0135
SDev	.0001	.0419	.0027	.0009	.0073	.0066	.0029
%RSD	.8711	33.40	44.63	124.7	437.4	32.82	21.46
#1	.0172	.0959	-.0081	-.0001	.0069	-.0153	.0155
#2	.0174	.1552	-.0042	-.0014	-.0035	-.0246	.0114

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11365	--	--	--	--	--	--
SDev	23.68808	--	--	--	--	--	--
%RSD	.2084347	--	--	--	--	--	--
#1	11348	--	--	--	--	--	--
#2	11382	--	--	--	--	--	--

Method: TOTAL Standard: CALSTD
Run Time: 09/14/00 07:36:30

Elem	Ag	As	B	Ba	Be	Cd	Co
Avge	8.465	4.618	58.29	9.563	37.08	98.04	3.596
SDev	.004	.003	.18	.005	.01	.13	.006
%RSD	.0493	.0595	.3110	.0489	.0157	.1299	.1599
#1	8.462	4.620	58.16	9.560	37.08	97.95	3.592
#2	8.468	4.616	58.42	9.567	37.09	98.13	3.600

Elem	Cr	Cu	Mn	Mo	Ni	Sn	Tl
Avge	14.12	3.260	14.09	4.406	6.365	87.90	4.527
SDev	.02	.004	.02	.015	.008	.06	.009
%RSD	.1106	.1124	.1103	.3327	.1301	.0667	.1884
#1	14.11	3.258	14.08	4.396	6.359	87.86	4.533
#2	14.13	3.263	14.10	4.417	6.371	87.95	4.521

Elem	V	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Avge	4.255	10.97	25.22	11.73	.6449	5.779	2.006
SDev	.005	.02	.16	.03	.0046	.004	.014
%RSD	.1069	.1844	.6259	.2493	.7055	.0678	.7151
#1	4.252	10.95	25.11	11.71	.6416	5.782	1.996
#2	4.259	10.98	25.33	11.75	.6481	5.777	2.016

Elem	1960/2
Avge	1.927
SDev	.010
%RSD	.5180
#1	1.934
#2	1.920

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11190	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	11190	--	--	--	--	--	--
#2	11190	--	--	--	--	--	--

Method: TOTAL Standard: CAL 2
Run Time: 09/14/00 07:41:29

SDG# I01248
SDG# I11122A

Elem	Al	Fe
Avge	8.341	8.723
SDev	.032	.022
%RSD	.3894	.2520
#1	8.318	8.707
#2	8.364	8.738

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11279	--	--	--	--	--	--
SDev	25.10229	--	--	--	--	--	--
%RSD	.2225528	--	--	--	--	--	--
#1	11297	--	--	--	--	--	--
#2	11262	--	--	--	--	--	--

Method: TOTAL Standard: S100
Run Time: 09/14/00 07:44:54

Elem	Ca	K	Mg	Na3302
Avge	28.89	154.5	34.30	4.605
SDev	.02	.0	.00	.002
%RSD	.0654	.0207	.0033	.0395
#1	28.90	154.5	34.30	4.606
#2	28.88	154.5	34.30	4.603

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11303	--	--	--	--	--	--
SDev	7.071068	--	--	--	--	--	--
%RSD	.0625592	--	--	--	--	--	--
#1	11298	--	--	--	--	--	--
#2	11308	--	--	--	--	--	--

Method: TOTAL Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	CALSTD	S0	236.329	.145810	09/14/00 07:44:54
Al	308.215	CAL 2	S0	5957.18	311.096	09/14/00 07:44:54
As	189.042	CALSTD	S0	210.706	2.20657	09/14/00 07:44:54
B	249.678	CALSTD	S0	171.644	-5.42952	09/14/00 07:44:54
Ba	493.409	CALSTD	S0	418.292	-.239213	09/14/00 07:44:54
Be	313.042	CALSTD	S0	107.903	-.536424	09/14/00 07:44:54
Ca	317.933	S100	S0	1.21482	.020517	09/14/00 07:44:54
Cd	226.502	CALSTD	S0	10.1943	.411273	09/14/00 07:44:54
Co	228.616	CALSTD	S0	1112.24	.783229	09/14/00 07:44:54
Cr	267.716	CALSTD	S0	283.534	-1.88404	09/14/00 07:44:54
Cu	324.753	CALSTD	S0	1230.67	-11.5868	09/14/00 07:44:54
Fe	271.441	CAL 2	S0	5731.75	2.52470	09/14/00 07:44:54
K	766.491	S100	S0	1.11310	-.011555	09/14/00 07:44:54
Mg	279.078	S100	S0	1.05499	.004846	09/14/00 07:44:54
Mn	257.610	CALSTD	S0	283.882	-.249829	09/14/00 07:44:54
Mo	202.030	CALSTD	S0	908.199	-1.75846	09/14/00 07:44:54
Na3302	330.232	S100	S0	.995719	.025752	09/14/00 07:44:54
Ni	231.604	CALSTD	S0	628.470	-.220793	09/14/00 07:44:54
Pb	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb	206.838	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sn	189.989	CALSTD	S0	113.793	-2.91295	09/14/00 07:44:54
Tl	190.864	CALSTD	S0	439.858	4.00679	09/14/00 07:44:54
V	292.402	CALSTD	S0	938.310	-.289033	09/14/00 07:44:54
Zn	213.856	CALSTD	S0	367.818	-6.35963	09/14/00 07:44:54
2203/1	220.351	CALSTD	S0	39.7778	-4.99291	09/14/00 07:44:54
2203/2	220.352	CALSTD	S0	85.0132	.523874	09/14/00 07:44:54
2068/2	206.831	CALSTD	S0	1553.02	1.16003	09/14/00 07:44:54
2068/1	206.838	CALSTD	S0	174.619	-.293271	09/14/00 07:44:54
1960/1	196.021	CALSTD	S0	494.557	9.87493	09/14/00 07:44:54
1960/2	196.022	CALSTD	S0	523.807	-7.05343	09/14/00 07:44:54

Method: TOTAL Sample Name: ICV Operator: MJB
Run Time: 09/14/00 07:48:21
Comment:
Mode: CONC Corr. Factor: 1

VOID 200.7*

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	490.7	12360.	250.3	1037.	988.9	1036.	24780.
SDev	.8	10.	.5	1.	.4	.	15.
%RSD	.1679	.0772	.1950	.1380	.0401	.0340	.0588
#1	491.2	12370.	250.7	1036.	989.2	1036.	24790.
#2	490.1	12350.	250.0	1038.	988.6	1036.	24770.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	12500.	250.0	1000.	1000.	1000.	25000.
Range	5.500	5.500	5.500	5.500	5.500	5.500	5.500

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	251.3	1008.	1014.	1003.	12870.	25190.	24810.
SDev	.2	.	.	1.	16.	18.	23.
%RSD	.0660	.0004	.0120	.0802	.1230	.0715	.0914
#1	251.4	1008.	1014.	1003.	12880.	25200.	24820.
#2	251.2	1008.	1014.	1002.	12860.	25180.	24790.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	250.0	1000.	1000.	1000.	12500.	25000.	25000.
Range	5.500	5.500	5.500	5.500	5.500	5.500	5.500

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1021.	1001.	24770.	1026.	257.4	255.2	Q264.8
SDev	.	1.	73.	.	1.3	4.9	1.1
%RSD	.0214	.0773	.2933	.0364	.4933	1.902	.4169
#1	1021.	1001.	24720.	1026.	256.5	251.8	Q264.0
#2	1022.	1002.	24820.	1026.	258.3	258.6	Q265.6
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	1000.	1000.	25000.	1000.	250.0	250.0	250.0
Range	5.500	5.500	5.500	5.500	5.500	5.500	5.500

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q933.9	522.4	1006.	1031.	255.7	258.3	265.0
SDev	1.4	3.5	1.	.	1.2	1.3	.3
%RSD	.1524	.6699	.0587	.0421	.4564	.5116	.1181
#1	Q934.9	520.0	1007.	1030.	254.9	257.4	265.2
#2	Q932.9	524.9	1006.	1031.	256.5	259.2	264.7
Errors	QC Fail	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1000.	500.0	1000.	1000.			
Range	5.500	5.500	5.500	5.500			

Elem	2068/1	1960/1	1960/2

Units	PPB	PPB	PPB
Avge	264.7	250.2	257.7
SDev	1.8	10.9	1.8
%RSD	.6843	4.363	.7086
#1	263.4	242.5	256.4
#2	266.0	257.9	259.0
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11432	--	--	--	--	--	--
SDev	21.92031	--	--	--	--	--	--
%RSD	.1917452	--	--	--	--	--	--
#1	11416	--	--	--	--	--	--
#2	11448	--	--	--	--	--	--

Method: TOTAL Sample Name: ICB Operator: MJB
Run Time: 09/14/00 07:53:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4023	13.27	.0636	12.75	.5602	.5742	34.71
SDev	.0727	6.78	1.171	1.98	.2060	.2325	19.96
%RSD	18.07	51.09	1842.	15.53	36.76	40.49	57.51
#1	.4537	18.06	-.7648	14.15	.7058	.7386	48.83
#2	.3509	8.476	.8920	11.35	.4146	.4098	20.60
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	200.0	5.000	100.0	10.00	4.000	5000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2198	.7348	.3448	.7598	11.23	38.43	37.38
SDev	.0362	.2048	.0163	.0694	4.58	19.54	18.54
%RSD	16.46	27.88	4.724	9.134	40.76	50.84	49.60
#1	.2454	.8796	.3333	.7107	14.47	52.24	50.48
#2	.1942	.5899	.3563	.8088	7.994	24.61	24.27
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	1.000	50.00	5.000	10.00	50.00	5000.	5000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5885	1.121	28.98	.9530	.5785	1.381	-.5374

SDev	.1748	.727	103.2	.4252	1.385	1.537	.6097
%RSD	29.69	64.81	356.0	44.62	239.4	111.3	113.5
#1	.7121	1.635	101.9	1.254	1.558	2.468	-.9685
#2	.4649	.6074	-43.97	.6523	-.4009	.2945	-.1063
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	10.00	5000.	40.00	3.000	5.000	5.000

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7397	2.767	.4871	.4538	-.3593	1.047	2.917
SDev	1.267	3.701	.2898	.2940	1.7889	1.183	1.712
%RSD	171.3	133.7	59.49	64.80	497.9	113.1	58.71
#1	1.636	5.384	.6920	.6617	.9057	1.883	1.706
#2	-.1562	.1505	.2822	.2459	-1.624	.2099	4.127
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000	.0000	.0000			
Range	100.0	10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	-2.262	1.454	1.345
SDev	.059	2.678	3.641
%RSD	2.618	184.1	270.7
#1	-2.304	-.4392	3.920
#2	-2.220	3.347	-1.230
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11512	--	--	--	--	--	--
SDev	6.010407	--	--	--	--	--	--
%RSD	.0522088	--	--	--	--	--	--
#1	11508	--	--	--	--	--	--
#2	11516	--	--	--	--	--	--

Method: TOTAL Sample Name: CRI Operator: MJB
Run Time: 09/14/00 07:58:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.81	104.3	9.187	400.4	20.39	10.78	9808.
SDev	.44	5.3	1.125	11.9	.61	.34	303.

%RSD	4.032	5.099	12.24	2.983	2.989	3.176	3.085
#1	11.12	108.1	8.391	392.0	19.96	10.54	9594.
#2	10.50	100.5	9.982	408.9	20.82	11.03	10020.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.00	100.0	10.00	400.0	20.00	10.00	10000.
Range	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.157	42.58	9.956	20.93	93.59	9796.	9488.
SDev	.020	1.33	.331	.80	.98	264.	298.
%RSD	.9465	3.126	3.327	3.803	1.042	2.699	3.141
#1	2.171	41.64	9.722	20.36	92.90	9609.	9277.
#2	2.142	43.52	10.19	21.49	94.28	9982.	9698.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.000	40.00	10.00	20.00	100.0	10000.	10000.
Range	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	20.90	21.07	9613.	82.31	6.513	11.81	11.69
SDev	.54	.56	259.	2.55	.141	2.24	.40
%RSD	2.574	2.665	2.692	3.103	2.158	18.95	3.389
#1	20.52	20.67	9430.	80.50	6.613	13.40	11.98
#2	21.28	21.46	9796.	84.11	6.414	10.23	11.41
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.00	20.00	10000.	80.00	6.000	10.00	10.00
Range	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	200.3	24.14	40.28	39.02	6.859	6.341	13.49
SDev	6.2	5.04	1.30	1.45	.109	.265	3.96
%RSD	3.090	20.87	3.222	3.709	1.588	4.182	29.33
#1	195.9	27.71	39.37	38.00	6.782	6.528	16.29
#2	204.7	20.58	41.20	40.04	6.936	6.153	10.69
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	200.0	20.00	40.00	40.00			
Range	50.00	50.00	50.00	50.00			
Elem	2068/1	1960/1	1960/2				
Units	PPB	PPB	PPB				
Avge	10.80	10.13	12.66				
SDev	1.38	4.99	.86				
%RSD	12.79	49.31	6.820				
#1	9.823	13.66	13.27				
#2	11.78	6.597	12.05				

Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11682	--	--	--	--	--	--
SDev	259.1546	--	--	--	--	--	--
%RSD	2.218457	--	--	--	--	--	--
#1	11865	--	--	--	--	--	--
#2	11498	--	--	--	--	--	--

Method: TOTAL Sample Name: CRI CLP Operator: MJC
Run Time: 09/14/00 08:05:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.85	9.307	18.31	38.94	.0139	10.39	4.832
SDev	.14	.214	.67	.46	.0001	.01	.879
%RSD	.7038	2.300	3.653	1.187	.8885	.0762	18.19
#1	19.95	9.458	17.83	39.27	.0140	10.38	5.453
#2	19.75	9.155	18.78	38.61	.0138	10.39	4.210
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	20.00		20.00			10.00	
Range	50.00		50.00			50.00	

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.40	104.3	19.90	51.65	7.240	9.343	3.740
SDev	.03	.1	.06	.18	4.556	3.486	1.466
%RSD	.2640	.0484	.3144	.3519	62.92	37.32	39.20
#1	10.39	104.4	19.94	51.78	4.019	11.81	4.776
#2	10.42	104.3	19.85	51.52	10.46	6.878	2.703
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	10.00	100.0	20.00	50.00			
Range	50.00	50.00	50.00	50.00			

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.55	.4400	25.71	84.38	5.192	9.355	128.5
SDev	.11	.4431	41.33	.73	.640	2.462	.8
%RSD	.3357	100.7	160.8	.8686	12.33	26.31	.6217
#1	31.47	.1267	-3.521	84.90	4.739	7.615	127.9
#2	31.62	.7533	54.93	83.86	5.645	11.10	129.0
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	30.00			80.00	6.000	10.00	120.0

Range	50.00			50.00	50.00	50.00	50.00
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5991	23.74	101.7	38.77	3.461	6.057	128.4
SDev	.6939	2.59	.5	.16	1.434	1.676	1.9
%RSD	115.8	10.91	.4431	.4173	41.43	27.67	1.506
#1	.1084	25.57	102.0	38.65	4.475	4.872	127.0
#2	1.090	21.91	101.4	38.88	2.447	7.242	129.7
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		20.00	100.0	40.00			
Range		50.00	50.00	50.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	128.5	8.469	9.798
SDev	.2	4.264	1.562
%RSD	.1806	50.35	15.94
#1	128.3	5.454	8.693
#2	128.7	11.48	10.90
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11566	--	--	--	--	--	--
SDev	5.656854	--	--	--	--	--	--
%RSD	.0489072	--	--	--	--	--	--
#1	11562	--	--	--	--	--	--
#2	11570	--	--	--	--	--	--

Method: TOTAL Sample Name: ICSA Operator: MJB
Run Time: 09/14/00 08:13:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1122	491800.	.8863	3.309	2.050	.1538	496600.
SDev	.2920	520.	.7183	1.474	.079	.0062	160.
%RSD	260.3	.1058	81.05	44.53	3.836	4.015	.0321
#1	.3187	492200.	.3783	2.267	1.995	.1494	496700.
#2	-.0943	491400.	1.394	4.351	2.106	.1582	496400.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	500000.	.0000	.0000	.0000	.0000	500000.
Range	5.000	100000.	5.000	100.0	20.00	4.000	100000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4995	2.318	-2.031	2.565	199000.	3.285	487700.
SDev	.1489	.002	.297	.179	43.	1.024	177.
%RSD	29.82	.0868	14.61	6.970	.0216	31.18	.0364
#1	.6048	2.319	-1.821	2.692	199000.	2.561	487600.
#2	.3942	2.316	-2.241	2.439	198900.	4.010	487900.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	200000.	.0000	500000.
Range	2.000	50.00	5.000	10.00	40000.	5000.	100000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.876	-2.511	-80.88	2.092	4.327	.1490	-.9348
SDev	.006	.355	113.73	.079	1.228	.5300	2.3446
%RSD	.0735	14.16	140.6	3.765	28.38	355.6	250.8
#1	7.872	-2.762	-.4601	2.036	5.196	.5238	-2.593
#2	7.880	-2.259	-161.3	2.147	3.459	-.2257	.7231
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	10.00	5000.	40.00	6.000	10.00	5.000

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3219	.7969	-2.003	16.07	-21.52	17.23	-1.701
SDev	.2624	1.992	.308	.22	.57	2.13	4.850
%RSD	81.52	250.0	15.39	1.387	2.650	12.34	285.2
#1	-.1364	2.205	-1.785	16.23	-21.92	18.73	-5.130
#2	-.5075	-.6117	-2.221	15.91	-21.11	15.73	1.729
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000	.0000	.0000			
Range	100.0	10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	-.5525	-23.57	11.99
SDev	1.0938	9.57	3.98
%RSD	198.0	40.62	33.23
#1	-1.326	-16.80	9.173
#2	.2210	-30.34	14.81
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	10870	--	--	--	--	--	--
SDev	14.14214	--	--	--	--	--	--
%RSD	.1300965	--	--	--	--	--	--
#1	10860	--	--	--	--	--	--
#2	10880	--	--	--	--	--	--

Method: TOTAL Sample Name: ICSAB4.0 Operator: MJC
Run Time: 09/14/00 08:18:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	206.1	490300.	99.61	1060.	520.5	507.7	496100.
SDev	.6	852.	.63	2.	.6	.5	275.
%RSD	.3072	.1739	.6303	.2098	.1102	.0936	.0554
#1	206.5	490900.	99.17	1058.	520.9	508.1	495900.
#2	205.6	489700.	100.1	1061.	520.1	507.4	496300.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	200.0	500000.	100.0		500.0	500.0	500000.
Range	20.50	20.50	20.50		20.50	20.50	20.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	961.7	497.2	485.8	544.7	199100.	10990.	487700.
SDev	.5	.1	.3	.8	60.	18.	232.
%RSD	.0526	.0236	.0689	.1393	.0303	.1620	.0476
#1	962.0	497.1	486.1	545.3	199200.	11000.	487900.
#2	961.3	497.3	485.6	544.2	199100.	10980.	487500.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	500.0	500.0	500.0	200000.	10000.	500000.
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	477.7	994.3	10400.	974.1	51.70	49.24	635.2
SDev	.1	.6	129.	.8	.59	5.41	.7
%RSD	.0136	.0591	1.244	.0860	1.148	10.99	.1142
#1	477.6	993.9	10490.	974.7	51.28	53.06	635.7
#2	477.7	994.7	10310.	973.5	52.12	45.41	634.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	1000.	10000.	1000.	50.00	50.00	600.0
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	983.0	91.13	487.7	1050.	28.75	63.15	626.3
SDev	2.2	2.69	.7	1.	.68	.55	4.2
%RSD	.2259	2.952	.1368	.0847	2.356	.8736	.6665

#1	984.6	89.23	488.2	1051.	28.27	62.76	629.2
#2	981.4	93.03	487.2	1050.	29.23	63.54	623.3
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		100.0	500.0	1000.			
Range		20.50	20.50	20.50			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	639.7	33.60	57.05
SDev	1.0	7.06	4.59
%RSD	.1558	21.00	8.042
#1	639.0	38.59	60.29
#2	640.4	28.61	53.80
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10902	--	--	--	--	--	--
SDev	14.84924	--	--	--	--	--	--
%RSD	.1362066	--	--	--	--	--	--
#1	10892	--	--	--	--	--	--
#2	10912	--	--	--	--	--	--

Method: TOTAL Sample Name: ICSAB Operator: MJB
Run Time: 09/14/00 08:23:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1007.	470800.	983.2	1040.	511.0	497.4	476100.
SDev	11.	5874.	10.9	12.	6.6	6.2	5208.
%RSD	1.126	1.248	1.109	1.140	1.294	1.248	1.094
#1	1015.	474900.	990.9	1048.	515.7	501.8	479800.
#2	999.4	466600.	975.5	1032.	506.4	493.0	472400.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	500000.	1000.	1000.	500.0	500.0	500000.
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	929.4	477.6	478.4	509.7	191400.	10830.	469200.
SDev	11.6	6.0	5.1	6.1	2346.	115.	5410.
%RSD	1.247	1.256	1.071	1.197	1.225	1.063	1.153
#1	937.6	481.9	482.0	514.0	193100.	10910.	473000.
#2	921.2	473.4	474.7	505.4	189700.	10750.	465400.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	500.0	500.0	500.0	200000.	10000.	500000.
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	506.5	969.4	9987.	955.7	965.1	967.7	1036.
SDev	6.3	10.9	55.	12.1	16.5	14.8	17.
%RSD	1.240	1.128	.5530	1.263	1.709	1.530	1.654
#1	510.9	977.1	10030.	964.3	976.8	978.2	1048.
#2	502.0	961.7	9948.	947.2	953.5	957.3	1024.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	1000.	10000.	1000.	1000.	1000.	1000.
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	982.4	995.5	481.4	1022.	965.1	965.1	1027.
SDev	14.6	11.1	6.1	14.	8.6	20.4	3.
%RSD	1.486	1.114	1.275	1.326	.8900	2.118	.3341
#1	992.7	1003.	485.7	1031.	971.2	979.6	1030.
#2	972.1	987.6	477.1	1012.	959.0	950.7	1025.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.	500.0	1000.			
Range	20.50	20.50	20.50	20.50			
Elem	2068/1	1960/1	1960/2				
Units	PPB	PPB	PPB				
Avge	1040.	959.6	971.8				
SDev	24.	5.9	25.2				
%RSD	2.305	.6200	2.590				
#1	1057.	955.4	989.6				
#2	1023.	963.8	954.0				

Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	10989	--	--	--	--	--	--
SDev	108.5409	--	--	--	--	--	--
%RSD	.9877006	--	--	--	--	--	--
#1	10912	--	--	--	--	--	--
#2	11066	--	--	--	--	--	--

Method: TOTAL Sample Name: CCV Operator: MJB
Run Time: 09/14/00 08:28:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1004.	25330.	512.0	5099.	2046.	2081.	50470.
SDev	5.	93.	1.1	12.	9.	11.	210.
%RSD	.4898	.3664	.2212	.2383	.4261	.5188	.4165
#1	1008.	25400.	512.8	5107.	2052.	2089.	50620.
#2	1001.	25270.	511.2	5090.	2039.	2074.	50330.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	25000.	500.0	5000.	2000.	2000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510.1	2088.	2065.	2036.	26070.	50330.	51140.
SDev	2.2	10.	11.	9.	111.	132.	232.
%RSD	.4270	.4571	.5120	.4247	.4274	.2621	.4539
#1	511.6	2095.	2073.	2042.	26150.	50420.	51300.
#2	508.5	2082.	2058.	2030.	25990.	50240.	50970.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	2000.	2000.	2000.	25000.	50000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2074.	2050.	50280.	2090.	510.5	509.1	530.0
SDev	10.	10.	117.	6.	2.8	5.1	5.0
%RSD	.4657	.4728	.2334	.2898	.5532	.9997	.9513
#1	2081.	2057.	50370.	2095.	512.5	512.7	533.6
#2	2068.	2043.	50200.	2086.	508.5	505.5	526.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2000.	2000.	50000.	2000.	500.0	500.0	500.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5117.	1019.	2041.	2086.	512.8	509.3	531.1
SDev	19.	3.	11.	9.	.5	4.5	1.1
%RSD	.3779	.3206	.5154	.4277	.1039	.8834	.2039
#1	5130.	1022.	2048.	2092.	512.4	512.5	531.9
#2	5103.	1017.	2034.	2080.	513.2	506.1	530.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	5000.	1000.	2000.	2000.			
Range	10.50	10.50	10.50	10.50			

Elem	2068/1	1960/1	1960/2

Units	PPB	PPB	PPB
Avge	529.5	508.5	509.4
SDev	7.0	3.5	5.9
%RSD	1.326	.6897	1.154
#1	534.4	510.9	513.5
#2	524.5	506.0	505.2
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11545	--	--	--	--	--	--
SDev	27.93072	--	--	--	--	--	--
%RSD	.2419239	--	--	--	--	--	--
#1	11526	--	--	--	--	--	--
#2	11565	--	--	--	--	--	--

Method: TOTAL Sample Name: CCB Operator: MJC
Run Time: 09/14/00 08:33:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8699	102.9	.5374	27.65	.9126	1.049	108.2
SDev	.4376	7.0	.8391	6.40	.0960	.035	1.1
%RSD	50.30	6.787	156.1	23.13	10.52	3.360	1.009
#1	.5605	107.9	-.0559	32.17	.8447	1.024	108.9
#2	1.179	97.99	1.131	23.13	.9805	1.074	107.4
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000		.0000	.0000	.0000
Range	10.00	200.0	10.00		200.0	5.000	5000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3941	.9714	1.032	.9660	43.27	20.11	112.2
SDev	.1263	.0034	.032	.1400	.74	5.28	1.7
%RSD	32.06	.3511	3.099	14.49	1.713	26.24	1.500
#1	.4834	.9690	1.054	1.065	42.75	23.84	111.0
#2	.3048	.9738	1.009	.8670	43.80	16.38	113.4
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	50.00	10.00	25.00	100.0	5000.	5000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.036	2.350	-28.72	.7640	.2624	.0706	1.020

SDev	.006	.523	23.94	.0555	1.435	2.060	2.206
%RSD	.6142	22.27	83.35	7.266	546.9	2917.	216.3
#1	1.031	2.720	-11.79	.7248	-.7525	1.527	-.5400
#2	1.040	1.980	-45.65	.8033	1.277	-1.386	2.579
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	15.00	10.00	5000.	40.00	3.000	5.000	120.0

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.465	5.083	.9864	.9006	-.5607	.6734	3.062
SDev	.559	2.587	.1345	.1099	.5716	1.867	.990
%RSD	16.12	50.91	13.63	12.20	102.0	277.2	32.35
#1	3.070	6.913	.8913	.8228	-.9649	-.6465	3.762
#2	3.860	3.253	1.081	.9783	-.1564	1.993	2.362
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		.0000	.0000	.0000			
Range		10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	.0000	-1.650	.9295
SDev	3.801	1.123	3.649
%RSD	11e6	68.07	392.6
#1	-2.688	-2.444	3.510
#2	2.688	-.8557	-1.651
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11812	--	--	--	--	--	--
SDev	214.6069	--	--	--	--	--	--
%RSD	1.816893	--	--	--	--	--	--
#1	11964	--	--	--	--	--	--
#2	11660	--	--	--	--	--	--

Method: TOTAL Sample Name: PBS SDG I01248 Operator: MJC
Run Time: 09/14/00 08:38:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7625	60.79	-1.149	12.54	1.103	.5712	182.2
SDev	.3013	35.00	.212	.19	.175	.1809	32.1

%RSD	39.51	57.57	18.44	1.510	15.87	31.68	17.61
#1	.9756	36.05	-.9991	12.40	.9789	.4432	159.5
#2	.5495	85.54	-1.299	12.67	1.226	.6991	204.9
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	10.00	200.0	10.00		200.0	5.000	5000.
Low	-1000.	-1000.	-1000.		-1000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3745	.5925	.9175	1.838	30.21	22.44	75.69
SDev	.0065	.1349	.0219	.096	12.78	4.23	33.98
%RSD	1.729	22.77	2.388	5.201	42.32	18.86	44.89
#1	.3700	.4971	.9330	1.905	21.17	25.44	51.66
#2	.3791	.6879	.9020	1.770	39.25	19.45	99.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-1000.	-1000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.341	.9616	209.9	1.661	.1180	2.335	1.026
SDev	.186	.5538	34.2	.079	.6095	1.024	.044
%RSD	13.89	57.59	16.31	4.759	516.6	43.85	4.280
#1	1.209	1.353	234.1	1.717	-.3130	3.060	1.057
#2	1.472	.5700	185.7	1.605	.5489	1.611	.9953
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	10.00		40.00	3.000	5.000	60.00
Low	-1000.	-1000.		-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.07	-1.898	.4742	4.969	-1.056	.7043	1.891
SDev	1.22	.435	.3947	.270	.494	.6670	1.789
%RSD	11.05	22.91	83.24	5.428	46.78	94.70	94.62
#1	10.21	-2.205	.1951	4.778	-1.406	.2327	3.155
#2	11.94	-1.590	.7534	5.159	-.7070	1.176	.6257
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		10.00	50.00	20.00			
Low		-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	.5949	-1.675	4.338
SDev	.8272	1.776	.648
%RSD	139.1	106.1	14.95
#1	.0100	-.4189	4.796
#2	1.180	-2.931	3.879

Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11688	--	--	--	--	--	--
SDev	18.73833	--	--	--	--	--	--
%RSD	.1603177	--	--	--	--	--	--
#1	11675	--	--	--	--	--	--
#2	11702	--	--	--	--	--	--

Method: TOTAL Sample Name: LCSS Operator: MJC
Run Time: 09/14/00 08:43:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	456.6	30340.	947.1	264.5	874.4	244.0	53300.
SDev	.0	28.	2.2	.6	.6	.2	163.
%RSD	.0039	.0914	.2367	.2117	.0741	.0878	.3058
#1	456.6	30360.	948.7	264.9	874.9	244.2	53420.
#2	456.6	30320.	945.5	264.1	874.0	243.9	53190.
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	565.0	61500.	1165.		1090.	274.0	66000.
Low	335.0	21000.	690.0		685.0	176.5	39200.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	347.4	1155.	759.1	491.7	53520.	17570.	12730.
SDev	.7	3.	1.3	.9	115.	4.	18.
%RSD	.2020	.2610	.1676	.1803	.2144	.0227	.1417
#1	347.9	1157.	760.0	492.3	53600.	17570.	12740.
#2	346.9	1152.	758.2	491.1	53430.	17560.	12720.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	393.5	1275.	855.0	545.0	89500.	22700.	17150.
Low	246.0	840.0	570.0	379.5	37350.	13100.	10350.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1989.	245.0	5018.	411.0	665.2	820.7	96.96
SDev	4.	1.7	50.	.1	.3	.8	.53
%RSD	.1904	.6951	.9979	.0238	.0381	.0920	.5423
#1	1992.	246.2	4983.	411.0	665.0	820.2	96.59
#2	1987.	243.8	5054.	411.1	665.4	821.2	97.33
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2325.		6750.	453.5	740.0	940.0	340.5

Low	1555.		3460.	291.5	454.5	555.0	10.00

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	437.7	454.3	858.6	1445.	672.4	661.6	100.5
SDev	.9	2.8	1.4	3.	.2	.5	1.9
%RSD	.2052	.6238	.1606	.1857	.0319	.0737	1.854
#1	438.3	452.3	859.5	1447.	672.6	661.2	99.22
#2	437.1	456.3	857.6	1443.	672.3	661.9	101.9
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		575.0	1140.	1675.			
Low		230.0	590.0	1055.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	95.17	816.8	822.7
SDev	.14	1.9	2.1
%RSD	.1495	.2385	.2558
#1	95.27	818.2	821.2
#2	95.07	815.4	824.1
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11989	--	--	--	--	--	--
SDev	17.67767	--	--	--	--	--	--
%RSD	.1474491	--	--	--	--	--	--
#1	11976	--	--	--	--	--	--
#2	12002	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4 Operator: MJC
Run Time: 09/14/00 08:51:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0809	22160.	79.47	61.18	234.9	1.511	253400.
SDev	.3332	231.	.05	.22	2.5	.012	2132.
%RSD	412.0	1.043	.0604	.3537	1.057	.8119	.8412
#1	.3165	21990.	79.44	61.03	233.2	1.520	251900.
#2	-.1547	22320.	79.51	61.34	236.7	1.503	254900.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.203	31.49	117.9	135.4	127000.	3319.	132800.
SDev	.161	.48	1.3	1.2	1298.	26.	1325.
%RSD	7.318	1.532	1.061	.9116	1.022	.7850	.9982
#1	2.317	31.15	117.1	134.5	126000.	3300.	131800.
#2	2.089	31.83	118.8	136.3	127900.	3337.	133700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2404.	7.219	642.6	70.30	311.8	2.786	4.438
SDev	23.	.560	35.8	.25	2.3	2.852	.660
%RSD	.9611	7.764	5.576	.3614	.7424	102.4	14.88
#1	2388.	6.822	617.3	70.12	310.2	.7697	3.971
#2	2420.	7.615	668.0	70.48	313.5	4.802	4.905
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.40	-2.087	60.04	854.9	312.3	311.6	3.907
SDev	.90	.617	.35	8.9	1.1	2.9	.006
%RSD	4.186	29.57	.5763	1.041	.3467	.9404	.1653
#1	22.03	-1.650	59.80	848.6	311.5	309.5	3.902
#2	20.76	-2.523	60.28	861.2	313.0	313.7	3.911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	4.703	-11.62	9.978
SDev	.987	5.11	1.726
%RSD	20.99	43.94	17.30
#1	4.005	-15.23	8.758
#2	5.401	-8.009	11.20
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	11586	--	--	--	--	--	--
SDev	79.54951	--	--	--	--	--	--
%RSD	.6865855	--	--	--	--	--	--
#1	11642	--	--	--	--	--	--
#2	11530	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4L Operator: MJC
Run Time: 09/14/00 08:56:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3232	4437.	15.84	18.50	47.17	.3479	51060.
SDev	.1852	15.	.08	.04	.27	.0211	220.
%RSD	57.30	.3488	.5317	.1976	.5672	6.077	.4311
#1	.4541	4448.	15.90	18.48	47.36	.3628	51220.
#2	.1922	4426.	15.78	18.53	46.98	.3329	50910.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3616	6.651	24.03	26.71	25970.	597.2	26590.
SDev	.0250	.413	.05	.59	100.	7.9	98.
%RSD	6.928	6.208	.2055	2.219	.3839	1.324	.3700
#1	.3439	6.943	24.06	27.13	26040.	602.8	26650.
#2	.3793	6.359	23.99	26.29	25900.	591.6	26520.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	496.7	1.488	85.63	14.76	63.77	1.698	2.148
SDev	1.7	.212	19.85	.63	1.08	1.644	.130
%RSD	.3336	14.27	23.19	4.296	1.692	96.86	6.056
#1	497.9	1.338	99.66	15.21	64.53	.5350	2.240
#2	495.6	1.639	71.59	14.31	63.01	2.861	2.056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.200	.9090	12.05	175.5	64.03	63.64	3.401
SDev	.296	2.835	.30	1.0	1.09	1.07	1.961
%RSD	5.701	311.9	2.526	.5473	1.700	1.688	57.65

#1	5.409	-1.096	12.26	176.1	64.80	64.40	2.015
#2	4.990	2.914	11.83	174.8	63.26	62.88	4.788
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	1.522	-1.564	3.326
SDev	1.174	4.308	.314
%RSD	77.12	275.5	9.452
#1	2.353	-4.610	3.104
#2	.6922	1.483	3.548
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11748	--	--	--	--	--	--
SDev	22.62742	--	--	--	--	--	--
%RSD	.1926148	--	--	--	--	--	--
#1	11732	--	--	--	--	--	--
#2	11764	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4D Operator: MJC
Run Time: 09/14/00 09:01:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0928	35880.	84.74	70.11	277.6	1.935	227900.
SDev	.3118	143.	.40	.12	.9	.013	420.
%RSD	336.1	.3980	.4764	.1644	.3063	.6787	.1842
#1	.3133	35990.	85.02	70.03	278.2	1.944	228200.
#2	-.1277	35780.	84.45	70.19	277.0	1.925	227600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.257	37.42	127.3	160.4	154800.	5080.	113600.
SDev	.030	.30	.4	.5	310.	39.	302.
%RSD	1.350	.7990	.3280	.2894	.2002	.7676	.2660
#1	2.235	37.63	127.6	160.7	155000.	5108.	113900.
#2	2.278	37.20	127.0	160.0	154600.	5053.	113400.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.
Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2636.	6.599	1269.	89.55	594.2	1.397	3.461
SDev	6.	.141	16.	.39	4.3	3.466	.386
%RSD	.2351	2.134	1.267	.4389	.7261	248.2	11.14
#1	2640.	6.500	1258.	89.82	597.3	3.848	3.733
#2	2631.	6.699	1281.	89.27	591.2	-1.054	3.188

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58.31	2.770	78.29	826.9	602.7	590.0	1.974
SDev	.75	2.149	.27	1.6	2.5	5.2	.842
%RSD	1.285	77.59	.3462	.1905	.4101	.8872	42.68
#1	57.78	1.250	78.48	828.0	604.4	593.7	2.569
#2	58.84	4.289	78.10	825.8	601.0	586.3	1.378

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			
Elem	2068/1	1960/1	1960/2				
Units	PPB	PPB	PPB				
Avge	4.203	-15.37	9.768				
SDev	.157	4.14	3.129				
%RSD	3.747	26.96	32.03				
#1	4.315	-12.44	11.98				
#2	4.092	-18.30	7.555				

Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11790	--	--	--	--	--	--
SDev	31.81980	--	--	--	--	--	--
%RSD	.2698881	--	--	--	--	--	--
#1	11768	--	--	--	--	--	--
#2	11812	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4ST Operator: MJC
Run Time: 09/14/00 09:06:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1987	26150.	110.1	60.71	244.1	1.481	248900.
SDev	.1284	32.	1.6	1.05	.5	.000	398.
%RSD	64.62	.1208	1.460	1.724	.1860	.0261	.1599
#1	-.1079	26120.	109.0	59.97	243.8	1.481	248600.
#2	-.2896	26170.	111.2	61.45	244.4	1.481	249200.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.124	32.19	351.1	133.0	114900.	4310.	130100.
SDev	.191	.01	.4	.2	198.	9.	145.
%RSD	8.994	.0205	.1179	.1341	.1720	.2155	.1113
#1	1.989	32.18	350.8	132.9	114700.	4304.	130000.
#2	2.259	32.19	351.4	133.2	115000.	4317.	130200.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2371.	6.201	692.6	76.43	360.3	7.932	1.463
SDev	3.	.330	84.0	.05	.3	.061	.084
%RSD	.1305	5.314	12.13	.0706	.0951	.7650	5.716
#1	2369.	5.968	752.0	76.39	360.6	7.889	1.404
#2	2373.	6.434	633.2	76.47	360.1	7.975	1.522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.71	49.17	65.73	843.7	364.0	358.5	2.043
SDev	.74	1.59	.24	.3	.6	.8	.275
%RSD	3.430	3.231	.3582	.0398	.1717	.2304	13.47
#1	21.18	50.29	65.57	843.4	363.6	359.1	1.848
#2	22.23	48.05	65.90	843.9	364.5	357.9	2.238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2

Units	PPB	PPB	PPB
Avge	1.173	-4.822	14.30
SDev	.012	2.502	1.34
%RSD	1.029	51.88	9.371
#1	1.181	-3.053	13.35
#2	1.164	-6.591	15.25
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11753	--	--	--	--	--	--
SDev	2.474874	--	--	--	--	--	--
%RSD	.0210569	--	--	--	--	--	--
#1	11755	--	--	--	--	--	--
#2	11752	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4S Operator: MJC
Run Time: 09/14/00 09:11:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.46	39320.	1816.	987.8	2081.	46.71	280100.
SDev	.81	598.	26.	11.8	30.	.67	3427.
%RSD	1.552	1.521	1.433	1.195	1.451	1.440	1.224
#1	53.04	39750.	1834.	996.2	2102.	47.18	282500.
#2	51.89	38900.	1797.	979.5	2059.	46.23	277700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.00	480.8	320.4	384.6	134100.	55610.	168100.
SDev	.64	6.9	4.5	5.1	1902.	783.	2320.
%RSD	1.393	1.425	1.418	1.318	1.419	1.409	1.380
#1	46.46	485.6	323.6	388.2	135400.	56170.	169700.
#2	45.55	475.9	317.2	381.0	132700.	55060.	166400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2924.	844.7	48510.	531.4	814.1	1793.	268.7

needs A-Spike.

SDev	41.	9.0	754.	9.0	7.6	20.	.5
%RSD	1.392	1.071	1.554	1.689	.9355	1.141	.1865
#1	2953.	851.1	49040.	537.8	819.5	1807.	269.1
#2	2895.	838.3	47970.	525.1	808.7	1778.	268.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Ti	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1642.	1861.	539.9	1304.	826.2	808.0	266.0
SDev	20.	16.	7.2	18.	10.0	6.4	.9
%RSD	1.195	.8745	1.339	1.417	1.209	.7960	.3488
#1	1656.	1873.	545.0	1317.	833.3	812.6	266.7
#2	1628.	1850.	534.7	1291.	819.1	803.5	265.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	270.1	1784.	1797.
SDev	.3	26.	18.
%RSD	.1067	1.456	.9847
#1	270.3	1803.	1809.
#2	269.9	1766.	1784.
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11744	--	--	--	--	--	--
SDev	141.4214	--	--	--	--	--	--
%RSD	1.204150	--	--	--	--	--	--
#1	11644	--	--	--	--	--	--
#2	11844	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRND Operator: MJC
Run Time: 09/14/00 09:18:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6204	61380.	27.84	33.65	487.7	2.352	14400.
SDev	.4642	137.	1.90	.95	2.1	.013	65.

%RSD	74.83	.2224	6.818	2.822	.4373	.5676	.4481
#1	-.2921	61470.	29.19	34.32	489.2	2.342	14450.
#2	-.9486	61280.	26.50	32.98	486.2	2.361	14360.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6671	50.30	87.43	70.46	94550.	4606.	15690.
SDev	.0238	.35	.38	.37	295.	19.	57.
%RSD	3.572	.6983	.4359	.5228	.3122	.4025	.3647
#1	.6503	50.55	87.70	70.72	94760.	4619.	15730.
#2	.6840	50.05	87.16	70.20	94340.	4593.	15650.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1238.	4.760	320.9	87.84	60.55	.3048	-.4412
SDev	4.	.908	12.9	.64	.37	1.843	1.5721
%RSD	.3507	19.07	4.015	.7283	.6067	604.7	356.3
#1	1241.	5.402	311.8	88.30	60.29	1.608	.6705
#2	1235.	4.118	330.0	87.39	60.81	-.9985	-1.553
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.232	-.7718	109.7	216.3	56.98	62.34	-1.283
SDev	.324	1.8653	.3	.7	1.53	1.31	1.616
%RSD	4.481	241.7	.2867	.3245	2.682	2.108	126.0
#1	7.002	.5471	110.0	216.8	58.06	61.41	-.1401
#2	7.461	-2.091	109.5	215.8	55.90	63.27	-2.426
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	-.0209	-12.24	6.567
SDev	1.5501	7.13	.796
%RSD	7428.	58.25	12.12
#1	1.075	-7.198	6.005
#2	-1.117	-17.28	7.130

Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12193	--	--	--	--	--	--
SDev	22.98097	--	--	--	--	--	--
%RSD	.1884806	--	--	--	--	--	--
#1	12176	--	--	--	--	--	--
#2	12209	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRNG Operator: MJC
Run Time: 09/14/00 09:23:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4557	31200.	52.48	50.07	328.1	1.356	119600.
SDev	.3089	2.	.63	.21	.8	.005	129.
%RSD	67.79	.0054	1.201	.4245	.2300	.3768	.1082
#1	.6742	31200.	52.03	50.22	328.6	1.353	119500.
#2	.2373	31210.	52.92	49.92	327.5	1.360	119700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.910	30.33	129.8	149.5	83950.	4585.	41680.
SDev	.041	.15	.2	.2	16.	4.	17.
%RSD	1.421	.5037	.1475	.1672	.0195	.0885	.0415
#1	2.880	30.44	129.7	149.3	83940.	4583.	41670.
#2	2.939	30.23	130.0	149.7	83970.	4588.	41690.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3229.	6.658	480.1	89.22	294.2	2.506	3.318
SDev	.	.371	53.6	.73	.4	.213	.898
%RSD	.0122	5.573	11.16	.8232	.1486	8.483	27.06
#1	3229.	6.395	442.2	89.74	294.5	2.656	3.953
#2	3229.	6.920	518.0	88.70	293.8	2.355	2.683
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.

Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.43	-2.315	69.30	729.1	295.7	293.4	3.411
SDev	2.21	2.954	.38	.3	.2	.7	2.030
%RSD	13.47	127.6	.5552	.0395	.0511	.2490	59.53
#1	18.00	-.2264	69.58	729.3	295.5	293.9	4.846
#2	14.87	-4.404	69.03	728.8	295.8	292.9	1.975
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	3.272	-8.235	7.868
SDev	.333	2.271	1.452
%RSD	10.17	27.57	18.46
#1	3.507	-9.841	8.895
#2	3.037	-6.629	6.841
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11924	--	--	--	--	--	--
SDev	8.485281	--	--	--	--	--	--
%RSD	.0711614	--	--	--	--	--	--
#1	11918	--	--	--	--	--	--
#2	11930	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRNK Operator: MJC
Run Time: 09/14/00 09:28:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1723	57250.	14.37	41.26	461.7	3.029	17260.
SDev	.0953	102.	.98	1.37	1.1	.013	4.
%RSD	55.28	.1789	6.784	3.310	.2284	.4266	.0252
#1	-.2397	57330.	13.68	42.23	462.4	3.038	17260.
#2	-.1050	57180.	15.06	40.30	460.9	3.020	17270.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7737	26.56	79.76	64.36	69870.	5476.	12730.
SDev	.0364	.22	.07	.22	41.	2.	9.
%RSD	4.708	.8308	.0902	.3363	.0590	.0364	.0690
#1	.7480	26.71	79.81	64.21	69840.	5474.	12740.
#2	.7995	26.40	79.71	64.51	69900.	5477.	12730.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	785.5	1.396	290.4	75.97	53.12	1.749	-.6189
SDev	.2	.300	5.1	.05	.87	1.194	.7025
%RSD	.0246	21.48	1.761	.0615	1.632	68.30	113.5
#1	785.6	1.184	294.1	75.93	53.74	.9041	-1.116
#2	785.3	1.608	286.8	76.00	52.51	2.593	-.1222
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.544	1.585	99.76	195.7	51.44	53.96	-2.024
SDev	.443	1.705	.42	.4	1.19	1.90	.979
%RSD	9.752	107.6	.4252	.2000	2.318	3.512	48.37
#1	4.857	2.790	100.1	196.0	50.60	55.30	-2.717
#2	4.230	.3794	99.46	195.4	52.29	52.62	-1.332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	.0828	-7.097	6.165
SDev	.5643	1.194	1.194
%RSD	681.7	16.82	19.38
#1	-.3163	-7.942	5.320
#2	.4818	-6.253	7.010
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	12378	--	--	--	--	--	--
SDev	44.90128	--	--	--	--	--	--
%RSD	.3627580	--	--	--	--	--	--
#1	12346	--	--	--	--	--	--
#2	12410	--	--	--	--	--	--

Method: TOTAL Sample Name: CCV Operator: MJC
Run Time: 09/14/00 09:33:20
Comment:
Mode: CONC Corr. Factor: 1

long period of time between CCV/CCB due to argon running out and torch went out 000914 KLC

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	987.3	25010.	507.2	5011.	2008.	2060.	50770.
SDev	2.2	12.	2.2	5.	1.	3.	104.
%RSD	.2266	.0477	.4273	.1042	.0411	.1482	.2054
#1	988.9	25020.	508.7	5008.	2009.	2063.	50700.
#2	985.7	25000.	505.7	5015.	2008.	2058.	50840.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	25000.	500.0	5000.	2000.	2000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	516.2	2092.	2064.	2005.	26090.	49440.	50770.
SDev	1.5	3.	1.	.	25.	43.	17.
%RSD	.2964	.1289	.0619	.0235	.0970	.0866	.0327
#1	515.1	2090.	2064.	2006.	26070.	49470.	50780.
#2	517.3	2094.	2065.	2005.	26110.	49410.	50760.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	2000.	2000.	2000.	25000.	50000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2065.	2032.	49930.	2071.	515.6	511.6	523.4
SDev	1.	2.	80.	4.	1.8	2.1	.7
%RSD	.0430	.0808	.1611	.2158	.3503	.4046	.1367
#1	2065.	2031.	49880.	2074.	514.4	513.1	522.9
#2	2066.	2034.	49990.	2068.	516.9	510.1	523.9
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2000.	2000.	50000.	2000.	500.0	500.0	500.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5088.	1043.	2036.	2062.	519.6	513.7	527.7
SDev	7.	4.	1.	2.	1.1	2.1	.9
%RSD	.1375	.3620	.0566	.1079	.2197	.4162	.1623

#1	5083.	1041.	2036.	2063.	518.8	512.1	527.1
#2	5093.	1046.	2037.	2060.	520.4	515.2	528.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	5000.	1000.	2000.	2000.			
Range	10.50	10.50	10.50	10.50			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	521.3	513.5	510.7
SDev	.6	1.2	2.5
%RSD	.1237	.2375	.4885
#1	520.9	514.3	512.4
#2	521.8	512.6	508.9
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12002	--	--	--	--	--	--
SDev	30.40559	--	--	--	--	--	--
%RSD	.2533272	--	--	--	--	--	--
#1	11981	--	--	--	--	--	--
#2	12024	--	--	--	--	--	--

Analysis Report QC Standard 09/14/00 10:13:42 AM

Method: TOTAL Sample Name: CCB Operator: MJC
Run Time: 09/14/00 10:08:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1553	40.64	.1078	6.111	.1466	.1286	12.08
SDev	.3222	.99	.2618	.685	.0009	.0336	3.44
%RSD	207.5	2.448	242.8	11.20	.6320	26.12	28.51
#1	-.0725	39.94	.2929	5.627	.1472	.1523	14.52
#2	.3832	41.34	-.0773	6.595	.1459	.1048	9.646
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000		.0000	.0000	.0000
Range	10.00	200.0	10.00		200.0	5.000	5000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3693	.3169	-.1965	-.4945	-2.038	3.285	12.46
SDev	.2389	.0011	.2313	.2458	1.011	1.176	2.35
%RSD	64.70	.3390	117.7	49.70	49.61	35.79	18.89
#1	.2003	.3161	-.3601	-.3207	-1.323	2.454	14.12
#2	.5382	.3176	-.0329	-.6683	-2.752	4.116	10.80
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	50.00	10.00	25.00	100.0	5000.	5000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1787	-.1601	49.77	.4112	-.0505	1.943	.7742
SDev	.0347	.5346	45.47	.2220	.7345	2.888	.5908
%RSD	19.41	334.0	91.36	53.99	1454.	148.6	76.31
#1	.2032	-.5381	17.62	.2542	-.5699	3.985	1.192
#2	.1541	.2180	81.93	.5682	.4688	-.0990	.3565
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	15.00	10.00	5000.	40.00	3.000	5.000	120.0

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.670	2.662	-.0533	.1911	-.1348	-.0084	.1187
SDev	.232	.649	.0005	.1695	1.3133	.4455	.1878
%RSD	6.312	24.38	.8458	88.66	974.0	5281.	158.2
#1	3.834	3.121	-.0536	.3110	-1.064	-.3234	-.0141
#2	3.507	2.203	-.0529	.0713	.7938	.3066	.2514
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		.0000	.0000	.0000			
Range		10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2

Units	PPB	PPB	PPB
Avge	1.102	1.439	2.195
SDev	.979	1.475	3.594
%RSD	88.92	102.5	163.7
#1	1.794	2.482	4.736
#2	.4089	.3957	-.3459
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11927	--	--	--	--	--	--
SDev	28.63782	--	--	--	--	--	--
%RSD	.2401042	--	--	--	--	--	--
#1	11907	--	--	--	--	--	--
#2	11948	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRNM Operator: MJC
Run Time: 09/14/00 10:13:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1736	42200.	20.20	62.20	445.4	2.032	17440.
SDev	.3952	51.	1.13	.00	.3	.041	5.
%RSD	227.7	.1213	5.619	.0017	.0786	2.030	.0302
#1	-.4530	42230.	19.39	62.20	445.6	2.002	17440.
#2	.1059	42160.	21.00	62.20	445.1	2.061	17440.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.630	32.10	59.37	112.3	66080.	5285.	10370.
SDev	.132	.04	.04	.1	7.	9.	4.
%RSD	5.034	.1128	.0724	.0905	.0104	.1693	.0380
#1	2.537	32.07	59.34	112.2	66090.	5291.	10370.
#2	2.724	32.12	59.40	112.4	66080.	5279.	10370.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1297.	4.386	449.1	68.23	172.6	4.209	2.645

SDev	.	1.146	85.1	.35	.9	5.003	.256
%RSD	.0150	26.13	18.95	.5144	.5289	118.8	9.695
#1	1297.	3.576	509.3	68.48	172.0	7.747	2.826
#2	1297.	5.197	389.0	67.98	173.3	.6719	2.464
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.583	-.3919	79.07	456.4	175.2	171.3	3.140
SDev	.094	1.6074	.02	.2	1.7	.5	.446
%RSD	.9787	410.2	.0204	.0357	.9577	.3100	14.20
#1	9.516	-1.528	79.08	456.5	174.1	171.0	3.455
#2	9.649	.7447	79.06	456.3	176.4	171.7	2.825
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	2.398	-2.971	7.794
SDev	.162	1.414	6.794
%RSD	6.750	47.58	87.17
#1	2.512	-1.972	12.60
#2	2.283	-3.971	2.990
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12267	--	--	--	--	--	--
SDev	10.96016	--	--	--	--	--	--
%RSD	.0893485	--	--	--	--	--	--
#1	12259	--	--	--	--	--	--
#2	12274	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRNN Operator: MJC
Run Time: 09/14/00 10:18:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0115	62800.	22.87	35.13	461.3	2.675	10910.
SDev	.0811	403.	2.76	.85	2.7	.014	70.

%RSD	708.3	.6417	12.09	2.424	.5811	.5362	.6440
#1	-.0688	63080.	24.82	35.74	463.2	2.685	10960.
#2	.0459	62510.	20.91	34.53	459.4	2.664	10860.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.125	43.44	98.95	73.14	99690.	7072.	20040.
SDev	.012	.52	.18	.02	523.	46.	111.
%RSD	1.039	1.206	.1797	.0242	.5246	.6481	.5517
#1	1.134	43.81	99.08	73.13	100100.	7104.	20120.
#2	1.117	43.07	98.83	73.16	99320.	7039.	19960.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1683.	2.898	437.6	124.2	64.18	1.859	-1.040
SDev	9.	.030	91.4	.4	1.18	.043	.210
%RSD	.5486	1.024	20.89	.2945	1.834	2.318	20.15
#1	1689.	2.919	502.2	124.5	65.01	1.889	-1.188
#2	1676.	2.877	373.0	123.9	63.35	1.828	-.8916
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.790	-4.554	103.0	256.2	61.69	65.42	-1.534
SDev	1.859	.757	.7	2.2	1.69	.92	.363
%RSD	27.38	16.63	.6938	.8463	2.741	1.407	23.65
#1	5.476	-4.019	103.6	257.7	62.89	66.07	-1.791
#2	8.105	-5.089	102.5	254.6	60.49	64.77	-1.278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	-.7929	-10.20	7.877
SDev	.1330	1.67	.898
%RSD	16.78	16.37	11.40
#1	-.8869	-11.38	8.512
#2	-.6988	-9.016	7.242

Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12482	--	--	--	--	--	--
SDev	79.54951	--	--	--	--	--	--
%RSD	.6373266	--	--	--	--	--	--
#1	12426	--	--	--	--	--	--
#2	12538	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRNQ Operator: MJC
Run Time: 09/14/00 10:23:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5887	15620.	114.1	42.36	301.5	1.218	169400.
SDev	.3477	11.	.5	.25	.7	.022	73.
%RSD	59.05	.0677	.4012	.5803	.2479	1.791	.0432
#1	.8346	15630.	114.5	42.54	302.0	1.203	169400.
#2	.3429	15610.	113.8	42.19	300.9	1.234	169300.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.933	50.58	80.93	1833.	464000.	2118.	18680.
SDev	.289	.23	.02	2.	170.	15.	12.
%RSD	3.230	.4531	.0272	.0902	.0366	.7004	.0656
#1	9.137	50.74	80.94	1834.	464200.	2128.	18690.
#2	8.729	50.42	80.91	1832.	463900.	2108.	18670.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5478.	4.745	464.9	87.34	875.0	-3.409	26.54
SDev	5.	.279	138.2	.84	1.2	.899	.65
%RSD	.0860	5.874	29.74	.9577	.1343	26.37	2.436
#1	5481.	4.942	367.1	87.93	875.8	-4.044	26.08
#2	5475.	4.548	562.6	86.75	874.2	-2.773	27.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.

Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	174.5	-12.16	80.18	1878.	890.0	867.5	17.57
SDev	1.4	.27	.46	1.	1.5	1.0	.24
%RSD	.7747	2.259	.5691	.0470	.1646	.1188	1.355
#1	173.6	-11.96	80.50	1879.	891.0	868.3	17.74
#2	175.5	-12.35	79.86	1878.	888.9	866.8	17.40
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	31.02	-49.57	19.64
SDev	1.09	5.74	1.52
%RSD	3.508	11.58	7.731
#1	30.25	-53.63	20.71
#2	31.79	-45.51	18.56
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12080	--	--	--	--	--	--
SDev	24.04163	--	--	--	--	--	--
%RSD	.1990284	--	--	--	--	--	--
#1	12062	--	--	--	--	--	--
#2	12096	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRPO Operator: MJC
Run Time: 09/14/00 10:28:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6957	49990.	54.98	62.63	275.9	1.628	146800.
SDev	.3105	23.	1.73	.42	1.0	.003	279.
%RSD	44.63	.0469	3.152	.6690	.3569	.2074	.1898
#1	-.4761	49980.	53.76	62.93	275.2	1.630	146600.
#2	-.9153	50010.	56.21	62.34	276.6	1.625	147000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.276	46.03	86.78	108.4	92940.	10300.	68590.
SDev	.023	.26	.10	.3	176.	13.	94.
%RSD	1.773	.5661	.1191	.3003	.1890	.1261	.1374
#1	1.260	46.22	86.71	108.7	92820.	10290.	68530.
#2	1.292	45.85	86.85	108.2	93070.	10310.	68660.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2243.	7.053	450.0	116.8	123.6	-.1764	.6541
SDev	4.	.637	43.4	.1	1.3	2.9602	1.044
%RSD	.1689	9.026	9.639	.0624	1.021	1678.	159.6
#1	2240.	7.503	480.6	116.9	124.5	1.917	-.0840
#2	2245.	6.603	419.3	116.8	122.7	-2.270	1.392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.316	.6518	96.81	390.5	123.0	123.9	-.8077
SDev	1.468	1.177	.05	.7	1.8	1.0	1.1439
%RSD	17.65	180.6	.0564	.1889	1.458	.8046	141.6
#1	9.354	-.1805	96.77	390.0	124.3	124.6	-1.617
#2	7.278	1.484	96.85	391.0	121.8	123.2	.0011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	1.384	-14.14	6.793
SDev	.994	1.69	3.596
%RSD	71.82	11.93	52.93
#1	.6812	-12.94	9.336
#2	2.087	-15.33	4.251
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	12370	--	--	--	--	--	--
SDev	19.09188	--	--	--	--	--	--
%RSD	.1543464	--	--	--	--	--	--
#1	12356	--	--	--	--	--	--
#2	12383	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRP7 Operator: MJC
Run Time: 09/14/00 10:33:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3684	49520.	43.64	51.68	311.6	1.765	152600.
SDev	.0938	121.	1.20	1.11	1.0	.010	307.
%RSD	25.46	.2441	2.745	2.152	.3091	.5946	.2012
#1	-.3021	49610.	42.79	50.89	312.3	1.772	152800.
#2	-.4347	49440.	44.48	52.46	310.9	1.757	152300.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.640	43.84	91.26	167.8	107600.	8622.	65140.
SDev	.186	.14	.05	.5	173.	41.	101.
%RSD	11.36	.3279	.0589	.2829	.1604	.4754	.1551
#1	1.509	43.94	91.22	168.1	107700.	8651.	65210.
#2	1.772	43.74	91.29	167.4	107500.	8593.	65060.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2351.	5.924	373.9	111.7	228.3	-.6761	2.632
SDev	4.	.454	192.8	.2	.3	.5287	.999
%RSD	.1646	7.657	51.56	.1864	.1217	78.19	37.96
#1	2354.	5.603	237.6	111.8	228.5	-.3023	3.338
#2	2349.	6.245	510.2	111.5	228.2	-1.050	1.925
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.39	3.729	102.2	479.5	228.3	228.4	1.962
SDev	1.08	3.018	.0	1.2	.3	.6	1.246
%RSD	7.469	80.93	.0237	.2461	.1502	.2573	63.49

#1	13.63	5.863	102.2	480.4	228.0	228.8	2.843
#2	15.15	1.595	102.2	478.7	228.5	228.0	1.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	2.966	-13.90	5.927
SDev	.876	1.85	.132
%RSD	29.53	13.33	2.232
#1	3.585	-12.59	5.833
#2	2.346	-15.21	6.020
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12353	--	--	--	--	--	--
SDev	22.98097	--	--	--	--	--	--
%RSD	.1860318	--	--	--	--	--	--
#1	12337	--	--	--	--	--	--
#2	12370	--	--	--	--	--	--

Method: TOTAL Sample Name: DJRN4A SB 120PPB Operator: MJC
Run Time: 09/14/00 10:38:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.97	22270.	100.0	56.74	231.4	12.15	259800.
SDev	.57	42.	.3	.98	.8	.06	268.
%RSD	2.830	.1867	.2503	1.735	.3460	.4918	.1033
#1	20.37	22300.	99.87	56.04	231.9	12.19	260000.
#2	19.57	22240.	100.2	57.44	230.8	12.11	259600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2000.	500000.	10000.	50000.	25000.	4000.	600000.
Low	-1000.	-5000.	-5000.	-1000.	-5000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.97	137.9	139.7	184.7	127800.	3430.	134100.
SDev	.19	.1	.9	.2	243.	10.	220.
%RSD	1.430	.1069	.6320	.1328	.1900	.2879	.1643
#1	13.10	137.8	140.3	184.8	128000.	3437.	134300.
#2	12.84	138.0	139.1	184.5	127700.	3423.	134000.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	50000.	50000.	30000.	600000.	600000.	600000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-10000.	-10000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2436.	7.100	674.3	154.1	323.6	11.75	136.6
SDev	5.	.661	56.4	.5	.2	2.55	1.6
%RSD	.1969	9.310	8.360	.3198	.0651	21.70	1.140
#1	2439.	7.567	714.2	154.4	323.8	9.950	137.7
#2	2433.	6.632	634.5	153.7	323.5	13.56	135.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	50000.	600000.	50000.	15000.	10000.	10000.
Low	-1000.	-1000.	-10000.	-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.11	26.78	166.7	889.2	327.6	321.6	133.9
SDev	.18	1.67	.1	2.7	1.4	.4	1.9
%RSD	.8447	6.240	.0773	.3016	.4365	.1237	1.424
#1	21.24	27.96	166.8	891.1	328.6	321.3	135.2
#2	20.99	25.60	166.6	887.3	326.6	321.9	132.6

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	25000.	20000.	50000.	10000.			
Low	-1000.	-1000.	-1000.	-1000.			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	137.9	-1.055	18.15
SDev	1.4	2.776	2.44
%RSD	1.003	263.1	13.43
#1	138.9	-3.018	16.42
#2	137.0	.9077	19.87

Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12099	--	--	--	--	--	--
SDev	32.88047	--	--	--	--	--	--
%RSD	.2717562	--	--	--	--	--	--
#1	12076	--	--	--	--	--	--
#2	12122	--	--	--	--	--	--

Method: TOTAL Sample Name: CRI CLP Operator: MJC
Run Time: 09/14/00 10:46:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.84	36.66	20.24	34.96	.0861	10.29	65.95
SDev	.16	3.75	1.63	.04	.0238	.02	22.35
%RSD	.8020	10.22	8.075	.1254	27.70	.1798	33.89
#1	19.72	39.31	19.08	34.99	.1030	10.28	81.75
#2	19.95	34.01	21.39	34.93	.0692	10.30	50.14
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	20.00		20.00			10.00	
Range	50.00		50.00			50.00	

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.69	105.4	21.76	49.96	53.14	2.544	30.86
SDev	.03	.1	.29	.00	12.55	8.331	12.74
%RSD	.2884	.0709	1.310	.0031	23.61	327.5	41.28
#1	10.71	105.5	21.96	49.96	62.02	-3.347	39.86
#2	10.67	105.4	21.55	49.96	44.27	8.435	21.85
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	10.00	100.0	20.00	50.00			
Range	50.00	50.00	50.00	50.00			

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32.58	-.4204	17.69	86.65	6.483	11.94	128.2
SDev	.28	.5242	1.39	1.03	.036	.85	1.1
%RSD	.8443	124.7	7.860	1.188	.5486	7.151	.8463
#1	32.77	-.0497	16.70	87.38	6.509	11.34	127.4
#2	32.38	-.7911	18.67	85.93	6.458	12.55	129.0
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	30.00			80.00	6.000	10.00	120.0
Range	50.00			50.00	50.00	50.00	50.00

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.657	26.09	102.1	38.85	5.918	6.766	128.1
SDev	.460	1.42	.0	.02	1.301	.596	.4
%RSD	27.75	5.459	.0469	.0438	21.99	8.815	.3222
#1	1.332	25.08	102.2	38.84	6.838	6.344	127.8
#2	1.982	27.10	102.1	38.86	4.998	7.187	128.4
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		20.00	100.0	40.00			
Range		50.00	50.00	50.00			

Elem	2068/1	1960/1	1960/2

Units	PPB	PPB	PPB
Avge	128.3	13.24	11.29
SDev	1.4	1.92	.32
%RSD	1.108	14.51	2.841
#1	127.3	11.88	11.07
#2	129.3	14.60	11.52
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12215	--	--	--	--	--	--
SDev	13.78858	--	--	--	--	--	--
%RSD	.1128847	--	--	--	--	--	--
#1	12224	--	--	--	--	--	--
#2	12205	--	--	--	--	--	--

Method: TOTAL Sample Name: ICSA Operator: MJC
Run Time: 09/14/00 10:51:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0520	488300.	.7562	.7198	2.071	.0786	511800.
SDev	.4215	773.	1.229	.6709	.027	.0062	167.
%RSD	811.0	.1582	162.6	93.21	1.325	7.870	.0325
#1	-.2461	487800.	1.626	.2454	2.090	.0742	511700.
#2	.3500	488900.	-.1131	1.194	2.051	.0829	511900.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.0000	500000.	.0000		.0000	.0000	500000.
Range	10.00	100000.	10.00		200.0	5.000	100000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.111	2.282	-2.068	1.201	198900.	1.923	488700.
SDev	.192	.067	.067	.066	159.	3.814	687.
%RSD	17.31	2.958	3.247	5.529	.0800	198.4	.1406
#1	1.247	2.234	-2.116	1.155	198800.	4.620	488200.
#2	.9748	2.330	-2.021	1.248	199000.	-.7748	489200.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	200000.	.0000	500000.
Range	5.000	50.00	10.00	25.00	40000.	5000.	100000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.017	-.6921	-120.1	1.802	2.079	-1.975	1.330

SDev	.027	.3917	30.0	1.006	.147	.138	.004
%RSD	.3311	56.59	25.03	55.85	7.060	6.985	.3201
#1	8.036	-.4151	-98.83	2.513	1.975	-1.877	1.327
#2	7.998	-.9691	-141.3	1.090	2.183	-2.072	1.333
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	15.00	10.00	5000.	40.00	3.000	5.000	120.0

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0058	2.105	-2.168	15.80	-9.968	8.093	-3.051
SDev	1.047	6.134	.008	.27	.927	.683	.581
%RSD	17970.	291.4	.3632	1.682	9.295	8.434	19.04
#1	-.7348	-2.232	-2.162	15.99	-9.313	7.611	-2.640
#2	.7465	6.442	-2.173	15.61	-10.62	8.576	-3.462
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		.0000	.0000	.0000			
Range		10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	3.517	-22.48	8.263
SDev	.296	4.14	2.272
%RSD	8.425	18.40	27.50
#1	3.308	-25.41	9.870
#2	3.727	-19.56	6.656
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11500	--	--	--	--	--	--
SDev	8.485281	--	--	--	--	--	--
%RSD	.0737883	--	--	--	--	--	--
#1	11494	--	--	--	--	--	--
#2	11506	--	--	--	--	--	--

Method: TOTAL Sample Name: ICSAB4.0 Operator: MJC
Run Time: 09/14/00 10:56:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	203.8	489600.	101.9	1039.	512.8	507.3	515700.
SDev	.0	663.	2.0	2.	.3	.1	971.

%RSD	.0005	.1355	1.938	.2362	.0532	.0204	.1883
#1	203.8	489100.	100.5	1037.	513.0	507.2	515000.
#2	203.8	490000.	103.3	1041.	512.6	507.4	516400.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	200.0	500000.	100.0		500.0	500.0	500000.
Range	20.50	20.50	20.50		20.50	20.50	20.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	978.2	499.3	490.7	531.1	200600.	11390.	492000.
SDev	.4	.2	.2	.0	283.	3.	456.
%RSD	.0390	.0373	.0392	.0085	.1409	.0306	.0927
#1	977.9	499.1	490.5	531.1	200400.	11390.	491700.
#2	978.5	499.4	490.8	531.1	200800.	11390.	492400.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	500.0	500.0	500.0	200000.	10000.	500000.
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	478.7	988.6	10370.	968.2	51.74	50.20	638.6
SDev	.2	3.0	12.	2.6	.90	.38	1.0
%RSD	.0484	.3017	.1134	.2681	1.747	.7484	.1532
#1	478.6	986.5	10380.	966.3	52.38	49.93	639.3
#2	478.9	990.7	10360.	970.0	51.10	50.47	637.9
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	1000.	10000.	1000.	50.00	50.00	600.0
Range	20.50	20.50	20.50	20.50	20.50	20.50	20.50

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	994.2	96.76	489.6	1040.	34.10	60.55	621.9
SDev	2.6	2.95	.0	1.	3.75	3.23	2.2
%RSD	.2575	3.045	.0018	.1101	11.01	5.333	.3548
#1	996.0	98.84	489.6	1039.	31.45	62.83	620.4
#2	992.4	94.68	489.6	1041.	36.75	58.27	623.5
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		100.0	500.0	1000.			
Range		20.50	20.50	20.50			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	647.0	26.14	62.21
SDev	2.6	5.47	2.17
%RSD	.3970	20.91	3.481
#1	648.8	22.28	63.74
#2	645.1	30.00	60.68

Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	11488	--	--	--	--	--	--
SDev	10.60660	--	--	--	--	--	--
%RSD	.0923236	--	--	--	--	--	--
#1	11496	--	--	--	--	--	--
#2	11481	--	--	--	--	--	--

Method: TOTAL Sample Name: CCV Operator: MJC
Run Time: 09/14/00 11:01:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	990.4	25430.	507.7	5005.	2011.	2073.	51660.
SDev	2.4	122.	.8	2.	4.	6.	148.
%RSD	.2406	.4812	.1599	.0332	.2107	.2869	.2865
#1	992.1	25510.	508.3	5006.	2014.	2077.	51770.
#2	988.7	25340.	507.1	5004.	2008.	2069.	51560.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	25000.	500.0	5000.	2000.	2000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.6	2103.	2079.	1995.	26300.	51700.	51660.
SDev	1.8	7.	7.	6.	76.	147.	188.
%RSD	.3406	.3122	.3308	.3198	.2880	.2844	.3631
#1	520.8	2107.	2084.	1999.	26350.	51810.	51800.
#2	518.3	2098.	2074.	1990.	26250.	51600.	51530.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	2000.	2000.	2000.	25000.	50000.	50000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2076.	2040.	50800.	2072.	518.2	515.8	527.0
SDev	6.	5.	209.	7.	.8	3.6	2.9
%RSD	.3015	.2248	.4118	.3452	.1538	.6974	.5555
#1	2081.	2044.	50950.	2077.	518.7	518.3	529.1
#2	2072.	2037.	50650.	2067.	517.6	513.2	525.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2000.	2000.	50000.	2000.	500.0	500.0	500.0

Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5145.	1050.	2046.	2066.	524.3	515.1	533.1
SDev	22.	10.	6.	6.	1.6	.4	2.5
%RSD	.4334	.9372	.3017	.2829	.3124	.0732	.4664
#1	5160.	1057.	2050.	2070.	525.5	515.4	534.8
#2	5129.	1043.	2041.	2062.	523.2	514.8	531.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	5000.	1000.	2000.	2000.			
Range	10.50	10.50	10.50	10.50			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	524.0	520.9	513.2
SDev	3.1	3.8	3.5
%RSD	.6008	.7299	.6810
#1	526.3	523.6	515.7
#2	521.8	518.2	510.7
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	12172	--	--	--	--	--	--
SDev	28.28427	--	--	--	--	--	--
%RSD	.2323812	--	--	--	--	--	--
#1	12152	--	--	--	--	--	--
#2	12192	--	--	--	--	--	--

Method: TOTAL Sample Name: CCB Operator: MJC
Run Time: 09/14/00 11:06:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5021	113.9	-.1809	24.27	.8690	.8751	98.18
SDev	.1229	2.6	.7634	6.80	.0732	.0322	1.52
%RSD	24.47	2.261	422.1	28.02	8.423	3.678	1.550
#1	.5890	115.7	.3590	29.08	.9207	.8979	99.25
#2	.4152	112.1	-.7207	19.46	.8172	.8524	97.10
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000		.0000	.0000	.0000
Range	10.00	200.0	10.00		200.0	5.000	5000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4533	.8737	.9005	.6511	42.69	19.98	97.58
SDev	.1409	.1281	.2429	.1508	.63	3.23	.08
%RSD	31.10	14.66	26.97	23.17	1.481	16.14	.0857
#1	.3536	.7831	.7288	.7578	42.24	17.70	97.64
#2	.5529	.9643	1.072	.5444	43.13	22.26	97.52
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	50.00	10.00	25.00	100.0	5000.	5000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8837	2.314	46.04	.7525	.6292	3.293	1.451
SDev	.0991	1.155	38.94	.2166	.2247	.672	.037
%RSD	11.21	49.91	84.58	28.78	35.71	20.39	2.535
#1	.9537	3.130	18.50	.5993	.4703	3.768	1.425
#2	.8136	1.497	73.57	.9056	.7881	2.819	1.478
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	15.00	10.00	5000.	40.00	3.000	5.000	120.0

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.323	2.071	.8996	.5995	-.9749	1.430	.0256
SDev	.483	1.421	.0572	.0145	.3807	.527	.3517
%RSD	20.78	68.62	6.354	2.421	39.05	36.85	1375.
#1	2.665	1.066	.9400	.5893	-.7057	1.057	-.2231
#2	1.982	3.076	.8592	.6098	-1.244	1.803	.2743
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		.0000	.0000	.0000			
Range		10.00	50.00	20.00			

Elem	2068/1	1960/1	1960/2
Units	PPB	PPB	PPB
Avge	2.163	-.8078	5.341
SDev	.120	.1794	1.096
%RSD	5.568	22.21	20.53
#1	2.249	-.9346	6.116
#2	2.078	-.6809	4.566
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	12268	--	--	--	--	--	--
SDev	9.545941	--	--	--	--	--	--
%RSD	.0778133	--	--	--	--	--	--
#1	12261	--	--	--	--	--	--
#2	12274	--	--	--	--	--	--

Method: TOTAL Sample Name: PBW SDG I11122A Operator: MJC
Run Time: 09/14/00 11:11:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Ca
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3472	72.20	-.4697	14.83	.4740	.2564	112.3
SDev	.0141	6.20	2.2535	1.90	.0979	.1074	13.9
%RSD	4.057	8.589	479.8	12.79	20.66	41.88	12.42
#1	.3571	76.58	1.124	16.17	.5433	.3324	122.1
#2	.3372	67.81	-2.063	13.49	.4048	.1805	102.4
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass
High	10.00	200.0	10.00		200.0	5.000	5000.
Low	-1000.	-1000.	-1000.		-1000.	-1000.	-1000.

Elem	Cd	Co	Cr	Cu	Fe	K	Mg
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3756	.6017	-.5841	.1016	17.20	3.075	54.40
SDev	.0671	.2557	.2733	.3926	11.56	8.089	13.70
%RSD	17.87	42.50	46.80	386.4	67.19	263.1	25.19
#1	.3281	.4209	-.7774	-.1760	25.37	-2.645	64.09
#2	.4231	.7825	-.3908	.3792	9.026	8.794	44.71
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	50.00	10.00	25.00	100.0	5000.	5000.
Low	-1000.	-1000.	-1000.	-1000.	-1000.	-1000.	-1000.

Elem	Mn	Mo	Na3302	Ni	Pb	Se	Sb
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5913	.1953	-215.6	3.069	-1.600	1.197	.1376
SDev	.1162	.0469	9.9	.749	.025	.299	1.476
%RSD	19.65	24.03	4.594	24.40	1.571	24.96	1073.
#1	.6735	.1621	-222.6	2.539	-1.582	1.408	-.9062
#2	.5092	.2284	-208.6	3.598	-1.618	.9856	1.181
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	10.00		40.00	3.000	5.000	60.00
Low	-1000.	-1000.		-1000.	-1000.	-1000.	-1000.

Elem	Sn	Tl	V	Zn	2203/1	2203/2	2068/2
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1498	1.602	.2060	.4114	-4.720	-.0423	-.0355
SDev	.7651	2.696	.0548	.2540	1.988	1.0303	1.6957
%RSD	510.6	168.3	26.58	61.74	42.13	2437.	4777.

SDG I01248
SDG I11122f

Quanterra Hg Data Review Checklist

Run/Project Information

Run Date: 9/13/00 Analyst: LM Instrument: H1
Prep Batches Run: See Run log

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471 / 245.1 : CORP-MT-0007 Rev 1
CLP - AQ : CORP-MT-0006 Rev 0 CLP - SOL : CORP-MT-0008 Rev 0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP)?	✓			✓
4. CRA run (CLP only)?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP)?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: [signature] Date: 9/13/00
Comments:

2nd Level Reviewer: [signature] Date: 9/14/00

S0 *** Standard: 1 Rep: 1 Seq: 15 15:55:33 13 Sep 2000 HG

Hg .0000 ppb 7200

S0.2 *** Standard: 2 Rep: 1 Seq: 16 15:56:39 13 Sep 2000 HG

Hg .2000 ppb 20185

S0.5 *** Standard: 3 Rep: 1 Seq: 17 15:57:48 13 Sep 2000 HG

Hg .5000 ppb 41873

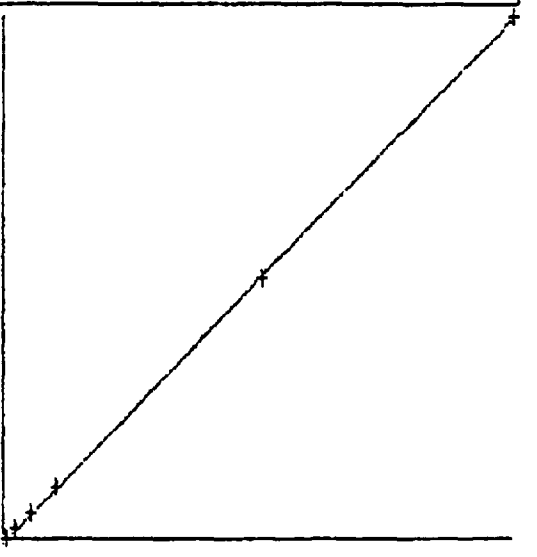
	Line	Conc.	Units	SD/RSD	1	2	3	4	5
S1.0	*** Standard: 4 Rep: 1				Seq:	18	15:59:46 13 Sep 2000 HG		
	Hg	1.000	ppb	79427					
S5.0	*** Standard: 5 Rep: 1				Seq:	19	16:01:08 13 Sep 2000 HG		
	Hg	5.000	ppb	383726					
S10.0	*** Standard: 6 Rep: 1				Seq:	20	16:02:19 13 Sep 2000 HG		
	Hg	10.00	ppb	747578					

RunProt: HGPPB Hg analysis in the ppb range
RunFold: HG100913A Seq: 21 Batch:
Prnt: R/T On Pump: On
Rev: 4.2 16:03:16 13 Sep 2000 Xmit: Off Gas: 0.70 LPM
State: Idle User: SMI A/S: On

CALIBRATION: Line proto: HGPPB

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.0000	.0014	.0014	Quadratic	
S2	.2000	.1987	-.0093	Wtdlinear	
S3	.5000	.4821	-.0179		C
S4	1.000	.9866	-.0134	Accept	o
S5	5.000	5.075	.0753		n
S6	10.00	9.964	-.0360		c

A .0000000 r .999953
B 1.34362e-5 C -8.05582e-2



	Mean			Relative Absorbance	
S1	6897	961 SD	7200	5656	5435
S2	28185	0 %RSD	28185		
S3	41873	0 %RSD	41873		
S4	79427	0 %RSD	79427		
S5	383726	0 %RSD	383726		
S6	747578	0 %RSD	747578		

New cal coefficients stored

Calibration curve prepped 9/13/00
Cal/CCV HPS011602
ICV HPS 016705
$SnCl_2$ OMR445
NaCl $NH_2OH \cdot HCL$ OMR442

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV				Seq:	21	16:05:23 13 Sep 2000 HG		
			WATER					
99.8% Hg	2.494	ppb	191632					
*** Sample ID: ICB				Seq:	22	16:06:28 13 Sep 2000 HG		
			WATER					
Hg	-.0328	ppb	3552					
75.2% *** Sample ID: CRA				Seq:	23	16:07:45 13 Sep 2000 HG		
			WATER					
Hg	.1503	ppb	17181					
101.3% *** Sample ID: CCV				Seq:	24	16:08:50 13 Sep 2000 HG		
			WATER					
Hg	5.067	ppb	383111					
*** Sample ID: CCB				Seq:	25	16:10:25 13 Sep 2000 HG		
			WATER					
Hg	-.0449	ppb	2652					
*** Sample ID: PBS				Seq:	26	16:12:01 13 Sep 2000 HG		
			I01248					
Hg	-.0055	ppb	5585					
105.7 *** Sample ID: LCSS				Seq:	27	16:13:09 13 Sep 2000 HG		
			WATER					
Hg	3.151	ppb	240497					
*** Sample ID: DJRN4				Seq:	28	16:14:56 13 Sep 2000 HG		
			WATER					
Hg	.1067	ppb	13939					
*** Sample ID: DJRN4D				Seq:	29	16:16:13 13 Sep 2000 HG		
			WATER					
Hg	.1088	ppb	14090					
*** Sample ID: DJRN4S				Seq:	30	16:17:19 13 Sep 2000 HG		
			WATER					
Hg	.9010	ppb	73053					
*** Sample ID: DJRND				Seq:	31	16:18:37 13 Sep 2000 HG		
			WATER					
Hg	.0768	ppb	11713					
*** Sample ID: DJRNG				Seq:	32	16:20:12 13 Sep 2000 HG		
			WATER					
Hg	.1514	ppb	17266					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: DJRNK				Seq:	33	16:21:22 13 Sep 2000 HG		
			WATER					
Hg	.0355	ppb	8638					
*** Sample ID: DJRNM				Seq:	34	16:22:27 13 Sep 2000 HG		
			WATER					
Hg	.1257	ppb	15354					
*** Sample ID: DJRNN				Seq:	35	16:23:35 13 Sep 2000 HG		
			WATER					
Hg	.0598	ppb	10444					
97.5% *** Sample ID: CCV				Seq:	36	16:24:46 13 Sep 2000 HG		
			WATER					
Hg	4.874	ppb	368721					
*** Sample ID: CCB				Seq:	37	16:25:55 13 Sep 2000 HG		
			WATER					
Hg	-.0214	ppb	4406					
*** Sample ID: DJRNQ				Seq:	38	16:27:01 13 Sep 2000 HG		
			WATER					
Hg	.3998	ppb	35748					
*** Sample ID: DJRP0				Seq:	39	16:28:06 13 Sep 2000 HG		
			WATER					
Hg	.0934	ppb	12945					
*** Sample ID: DJRP7				Seq:	40	16:29:23 13 Sep 2000 HG		
			WATER					
Hg	.0397	ppb	8954					
*** Sample ID: PBW				Seq:	41	16:30:32 13 Sep 2000 HG		
			I11122A					
Hg	.0243	ppb	7804					
81.2% *** Sample ID: LCSW				Seq:	42	16:31:41 13 Sep 2000 HG		
			WATER					
Hg	2.029	ppb	157000					
*** Sample ID: DK5PL				Seq:	43	16:32:47 13 Sep 2000 HG		
			WATER					
Hg	-.0129	ppb	5033					
*** Sample ID: DK5PLD				Seq:	44	16:33:52 13 Sep 2000 HG		
			WATER					
Hg	.0215	ppb	7593					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: DK5PLS Seq: 45 16:34:58 13 Sep 2000 HG
WATER
Hg .8445 ppb 68850

*** Sample ID: DK5PLF Seq: 46 16:36:15 13 Sep 2000 HG
WATER
Hg -.0149 ppb 4885

*** Sample ID: DK5PLDF Seq: 47 16:37:53 13 Sep 2000 HG
WATER
Hg -.0301 ppb 3756

97.3% *** Sample ID: CCV Seq: 48 16:39:04 13 Sep 2000 HG
WATER
Hg 4.864 ppb 368007

*** Sample ID: CCB Seq: 49 16:40:09 13 Sep 2000 HG
WATER
Hg -.0529 ppb 2059

*** Sample ID: DK5PLSF Seq: 50 16:41:30 13 Sep 2000 HG
WATER
Hg .8675 ppb 70559

*** Sample ID: DK62R Seq: 51 16:43:06 13 Sep 2000 HG
WATER
Hg -.0105 ppb 5214

*** Sample ID: DK62RF Seq: 52 16:44:46 13 Sep 2000 HG
WATER
Hg -.0127 ppb 5052

*** Sample ID: DK632 Seq: 53 16:45:57 13 Sep 2000 HG
WATER
Hg .0279 ppb 8073

*** Sample ID: DK632F Seq: 54 16:47:15 13 Sep 2000 HG
WATER
Hg -.0083 ppb 5377

*** Sample ID: DK633 Seq: 55 16:49:32 13 Sep 2000 HG
WATER
Hg -.0148 ppb 4893

*** Sample ID: DK633F Seq: 56 16:50:41 13 Sep 2000 HG
WATER
Hg -.0025 ppb 5813

QUANTERRA INCORPORATED

CLP PREPARATION LOGSHEET

Case NA
Client 64186
SDG I01248

Date 9/12/00
Time 8:00
Initials LPM LPM

Sample Number	Sample Matrix	Initial wt(g)/pH	Final Vol (mL)	Prep Type	Std Number	Before Color	Before Tex	Before Clar	After Color	After Clar	Comments
DJRND	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRNG	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRNK	S	1.00	200	P		b c	f m c	c cl o	b c gr	c cl o	
DJRNM	S	1.00	200	P		b c	f m c	c cl o	b c gr	c cl o	
DJRNN	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRNQ	S	1.00	200	P		b c	f m c	c cl o	b c gr	c cl o	
DJRP0	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRP7	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRN4	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRN4D	S	1.00	200	P		b c	f m c	c cl o	b c y	c cl o	
DJRN4S	S	1.00	200	P	STD 06761 STD 04899 STD 04913	b c	f m c	c cl o	b c y	c cl o	
DJRN4ST	S	1.00	200	P	STD 04774	b c	f m c	c cl o	b c y	c cl o	
PBS	S	1.00	200	P		b c	f m c	c cl o	b c	c cl o	
LCSS	S	1.00	200	P	lot 246	b c	f m c	c cl o	b c y	c cl o	

	PREP TYPE		COLOR			CLARITY = Clar	TEXTURE = Tex
S = Solid	P = ICP	b = brown	r = red	y = yellow	w = white	c = clear	f = fine
W = Total Water	F = GFAA	c = colorless	bl = black	g = grey	v = violet	cl = cloudy	m = medium
	AV = CVAA	o = orange	x = blue	gr = green		o = opaque	c = coarse

Revision Date: 5-99
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SOP # CORP-IP-0001NC
CORP-MT-0006NC
CORP-MT-0008NC

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rth Canton

QUANTERRA INCORPORATED

CLP PREPARATION LOGSHEET

Case NA
Client 64186
SDG I01248

Date 9/12/00
Time 8:00
Initials LPM LPM

Sample Number	Sample Matrix	Initial wt(g)/pH	Final Vol (mL)	Prep Type	Std Number	Before Color	Before Tex	Before Clar	After Color	After Clar	Comments
DJRND	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRNG	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRNK	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRNM	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRNN	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRNQ	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRP0	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRP7	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRN4	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRN4D	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
DJRN4S	S	0.20	100	AV	STD 01936	b c ___	f m c	c cl o	b c ___	c cl o	
PBS	S	0.20	100	AV		b c ___	f m c	c cl o	b c ___	c cl o	
LCSS	S	0.20	100	AV	lot 246	b c ___	f m c	c cl o	b c ___	c cl o	

MATRIX	PREP TYPE	COLOR				CLARITY = Clar	TEXTURE = Tex
S = Solid	P = ICP	b = brown	r = red	y = yellow	w = white	c = clear	f = fine
W = Total Water	F = GFAA	c = colorless	bl = black	g = grey	v = violet	cl = cloudy	m = medium
	AV = CVAA	o = orange	x = blue	gr = green		o = opaque	c = coarse

Revision Date: 5-99
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SOP # CORP-IP-0001NC
CORP-MT-0006NC
CORP-MT-0008NC

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ST ·-th Canton

DATE: 9.12.00

METALS PREPARATION REAGENTS

Reagents listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	OMR443
1:1 HCl (hydrochloric acid)	OMR438
HNO_3 (nitric acid)	OMR432
HCl (hydrochloric acid)	OMR409
$KMnO_4$ (potassium permanganate)	OMR435
$K_2S_2O_8$ (potassium persulfate)	OMR426
H_2O_2 (hydrogen peroxide)	~~OMR4~~ LDN 9-13-00 OMR326
H_2SO_4 (sulfuric acid)	OMR410
CLP ICP Acidified Water	OMR444

CLP STANDARD AMOUNTS	
CLP ICP WATERS - MS/LCSW	**CLP ICP SOLIDS - MS**
2 mL of ICP-1	4 mL of ICP-1
2 mL of ICP-2A	4 mL of ICP-2A
2 mL of Ag	4 mL of Ag
2 mL of Trace(ILM04.0)	4 mL of Trace(ILM04.0)
	1.00g Priority PollutnT/CLP soil (LCSS)
CLP Hg WATERS	**CLP Hg Solids**
1mL of Hg(MS)	1 mL of Hg (MS)
2.5 mL of Hg(LCSW)	0.20g Priority PollutnT/CLP soil (LCSS)

Waters
Hg time in the water bath 12:10 pm
Hg time out of the water bath 2:10 pm

Solids
Hg time in the water bath 10:50 am
Hg time out of the water bath 11:20 am

Times listed are for the waters and solids for that day unless otherwise noted.

Quanterra Incorporated
Revision Date: 05/27/99
n:\metals\clpa-log.xls

			STL North Canton				
		Percent Total Solid/Percent Moisture Logsheet					
Analysis	TSM			Batch	250390		
Prep Date	9/6/00	Time In	16:00	Analyst	BW/ML		
Anal date	9/7/00	Time Out	7:30	RL	10		
Sample	Tare	Wet	Dry	Result TS	Result MS	comments	
Id	wt	wt	wt	%	%		
BLK	5.652	5.7763	5.7603	4.14	ND		
DJRND	5.652	11.4992	10.1957	77.707	22.293		
DJRNG	5.652	9.0753	8.9557	38.083	61.917		
DJRNK	5.652	13.5832	11.4419	73.002	26.998		
DJRNM	5.652	11.5782	9.5248	65.350	34.650		
DJRNN	5.652	12.0231	10.6796	78.913	21.087		
DJRNQ	5.652	18.1611	14.2475	68.714	31.286		
DJRN4	5.652	9.3885	8.6187	79.398	20.602		
DJRN4X	5.652	8.6514	7.9245	75.765	24.235		
DJRP0	5.652	14.7928	12.6046	76.061	23.939		
DJRP7	5.652	14.2998	13.1022	86.151	13.849		

INORGANICS CHAIN OF CUSTODY/ TRACKING FORM
QUANTERRA INCORPORATED -
NORTH CANTON

CASE # : NA

SDG: I01248
CLIENT: 64186

ANALYSIS TYPE: ICP

STORAGE LOCATION: ICP Room

		DATE ANALYZED						
Lab Sample #	Date Entered	KLC/AD 9-14-00						
DJRND	9/12/00	C						
DJRNG	9/12/00							
DJRNK	9/12/00							
DJRNM	9/12/00							
DJRNN	9/12/00							
DJRNQ	9/12/00							
DJRP0	9/12/00							
DJRP7	9/12/00							
DJRN4	9/12/00							
DJRN4D	9/12/00							
DJRN4S	9/12/00							
DJRN4ST	9/12/00							
PBS	9/12/00							
LCSS	9/12/00							

C - Completed

NA - Not Analyzed

X Sample did not require analysis for this parameter

REVISION DATE: 5-99
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QUANTERRA INCORPORATED

Sample Control Record

Client	64186
Case Number	NA
SDG	I01248
Storage Location	C141

Laboratory Sample Number	Removed By	Date Removed	Reason	Date Returned
DJRND	LPM LPM	9/12/00	METALS PREP	9/12/00
DJRNG	LPM	9/12/00	METALS PREP	9/12/00
DJRNK	LPM	9/12/00	METALS PREP	9/12/00
DJRNM	LPM	9/12/00	METALS PREP	9/12/00
DJRNN	LPM	9/12/00	METALS PREP	9/12/00
DJRNQ	LPM	9/12/00	METALS PREP	9/12/00
DJRP0	LPM	9/12/00	METALS PREP	9/12/00
DJRP7	LPM	9/12/00	METALS PREP	9/12/00
DJRN4	LPM	9/12/00	METALS PREP	9/12/00

Revision Date 5-99
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STL North Canton

Revision 06, July 26, 2000

STL North Canton
Sample Control Record

Client: 64186 Case Number/SDG: I01248 Storage Location: _____

Laboratory Sample Number	Transferred By	Date	Entered	Removed	Reason	Date Returned
1. DJRN4-10V	BW/ML	9-6-00		✓	moisture %	9-6-00
2. DJRND-10V						
3. DJRNG-10V						
4. DJRNK-10V						
5. DJRNM-10V						
6. DJRNN-10V						
7. DJRNQ-10V						
8. DJRP0-10V						
9. DJRP7-10V						
10.						
11.						
12.						
13.						
14.	ML 9-7-00					
15.						
16.						
17.						
18.						
19.						
20.						

[redacted]

Chain of Custody Record

Quanterra

QUA-4124 0797

Client	Project Manager	Date	Chain of Custody Number
RMT	Rax Mindock	8.31.00	45044

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2
222 S. Riverside Plaza Suite 820	312 575 0200 / 312 575 0300		

City	State	Zip Code	Site Contact	Lab Contact
Chicago	IL	60606	Yuros/Sevs	Ken Kozior

Project Name	Carrier/Waybill Number
Riverdale	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	#	Analysis: Loc Pest CLP	VOA CLP	Metals CLP	Semi Vol CLP	Pest CLP	Special Instructions/ Conditions of Receipt
SL49-1'	8.31.00	9:05			X							1	X					Loc: Aldrin
SL49-4'	8.31.00	9:05			X							1	X					Dieldrin, Heptachlor,
SL50-6"		9:40										4		X	X	X	X	Heptachlor epoxide,
SL50-4'		9:50										4		X	X	X	X	Toxaphene, alpha +
SL51-6"		10:30										4		X	X	X	X	gamma chlordane
SL51-4'		10:30										4		X	X	X	X	
SL52-6"		10:45										4		X	X	X	X	
SL52-4'		10:45										4		X	X	X	X	
SL53-6"		11:00										4		X	X	X	X	
SL54-6"		11:05										4		X	X	X	X	
SL55-6"		11:08										4		X	X	X	X	
	8.31.00				X													

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Std

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	8.31.00	4:00	1. Received By: Anne Sanders	9/1/00	920
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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STL North Canton