

EVERY

APPENDIX 5

5A – Table 3 – A Comparison of Peak #1 & Peak #2
Standard Curves at 140°C Injection & 220°C Injection

5B – Raw Data – Chromatograms for Table 3
Standard Curve at 140°C Injection

5C – Raw Data – Chromatograms for Table 3
Standard Curve at 220°C Injection

TABLE 3

A Comparison of Dioxathion Standard Curve Peak Areas
at Injecton port Temperatures of 140°C and 220°C

CONCENTRATION OF DIOXATHION (PPB)	AREA Peak #1 8:17 @ 220°	AREA Peak #2 32:67 @ 220°	AREA Peak #1 8:17 @ 140°	AREA Peak #2 32:67 @ 140°
10	0	0	0	0
100	48,744	211,555	0	317,593
500	172,273	1,342,216	0	1,525,991
1000	325,255	2,818,252	0	3,022,982
10000	3,354,621	30,357,694	271,286	35,727,623
100000	28,060,253	260,319,076	1,823,342	287,369,745
LINEARITY	0.999816732	0.999859964	0.99854932	0.999699157

**5B – Raw Data – Chromatograms for Table 3
Standard Curve at 140°C Injection**

Calibration Curve

Data File : C:\HPCHEM\1\DATA\072799\CC1B.D
Acq On : 28 Jul 99 15:42
Sample : Calibration Curve 07/27/99
Misc : Diox @ 100ppm; Chlor @ 1ppm: 140 degrees

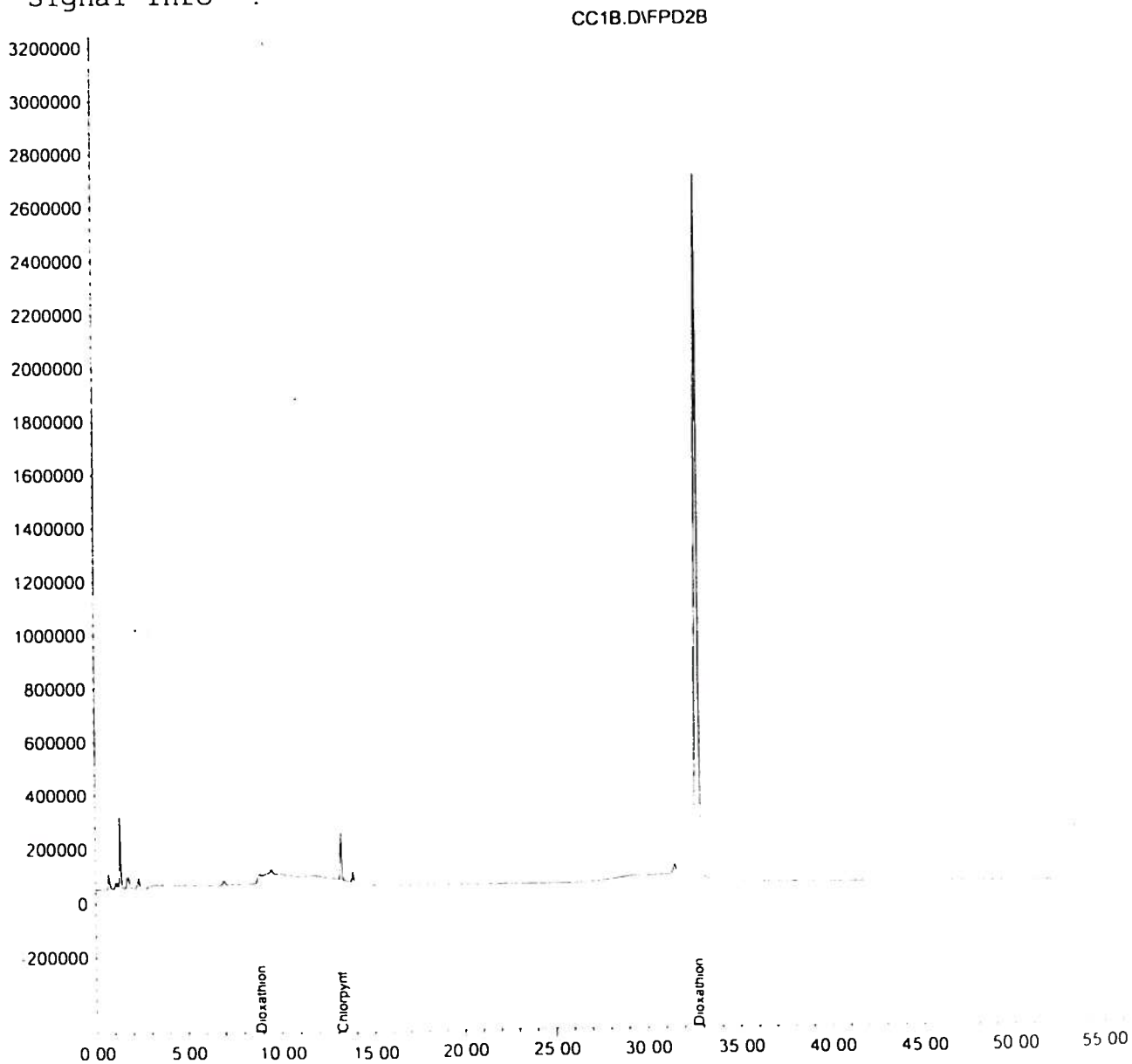
Vial: 6
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 16:45 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC1B.D Vial: 6
Acq On : 28 Jul 99 15:42 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 100ppm; Chlor @ 1ppm: 140 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 16:45 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.22	10499641	1999.126	ppb m
Spiked Amount 1000.000		Recovery	= 199.91%	
Target Compounds				
2) T Dioxathion Peak #1	8.89	1823342	5141.081	ppb m
3) T Dioxathion Peak #2	32.73	287369745	96930.270	ppb m

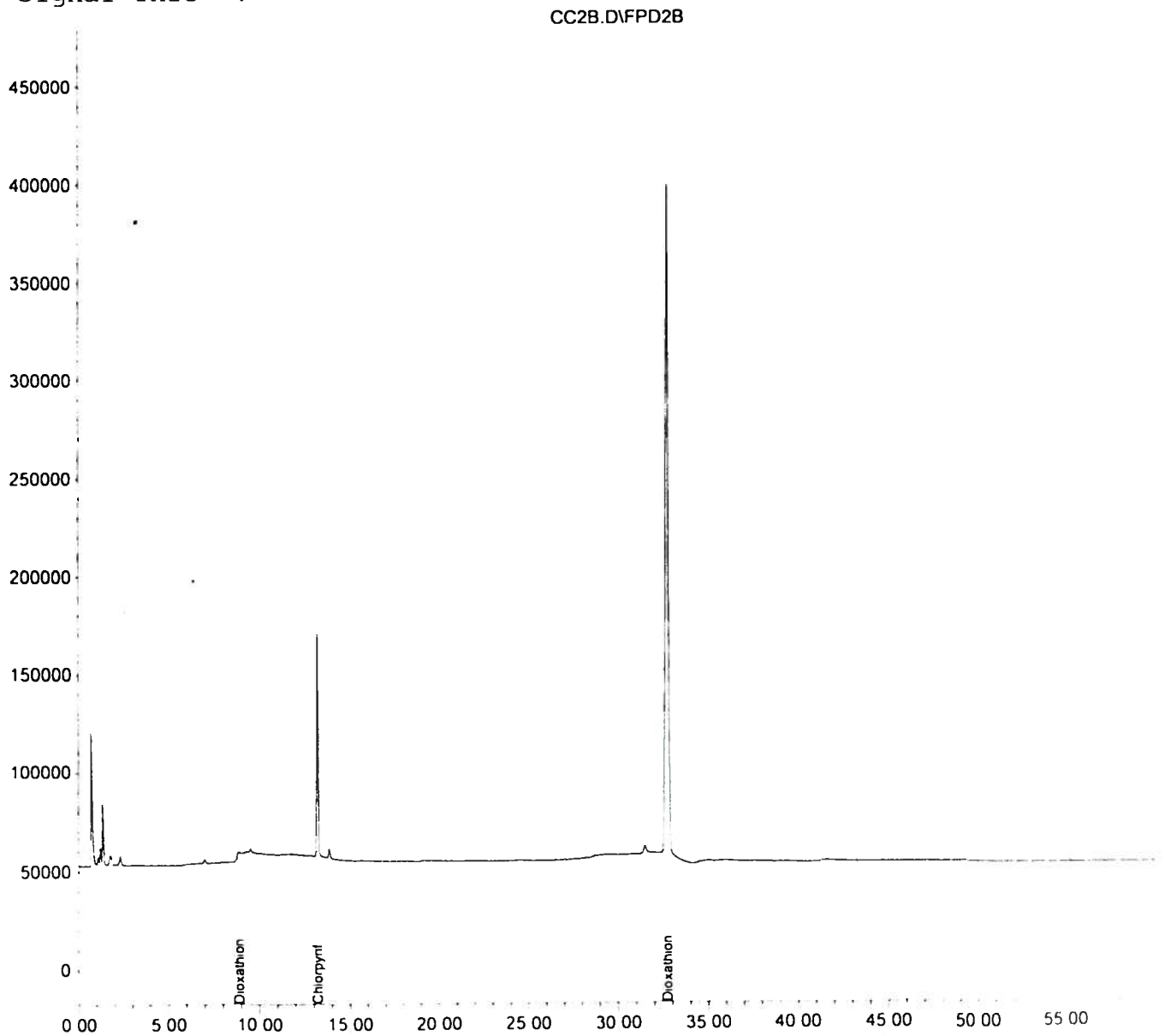
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC2B.D Vial: 5
Acq On : 28 Jul 99 14:19 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 10ppm; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 15:27 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC2B.D Vial: 5
Acq On : 28 Jul 99 14:19 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 10ppm; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 15:27 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.21	6234166	1186.982	ppb m
Spiked Amount 1000.000		Recovery	= 118.70%	
Target Compounds				
2) T Dioxathion Peak #1	8.89	271286	764.915	ppb m
3) T Dioxathion Peak #2	32.71	35727623	12050.984	ppb m

Data File : C:\HPCHEM\1\DATA\072799\CC3B.D
Acq On : 28 Jul 99 12:56
Sample : Calibration Curve 07/27/99
Misc : Diox @ 1ppm; Chlor @ 1ppm; 140 degrees
Vial: 4
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

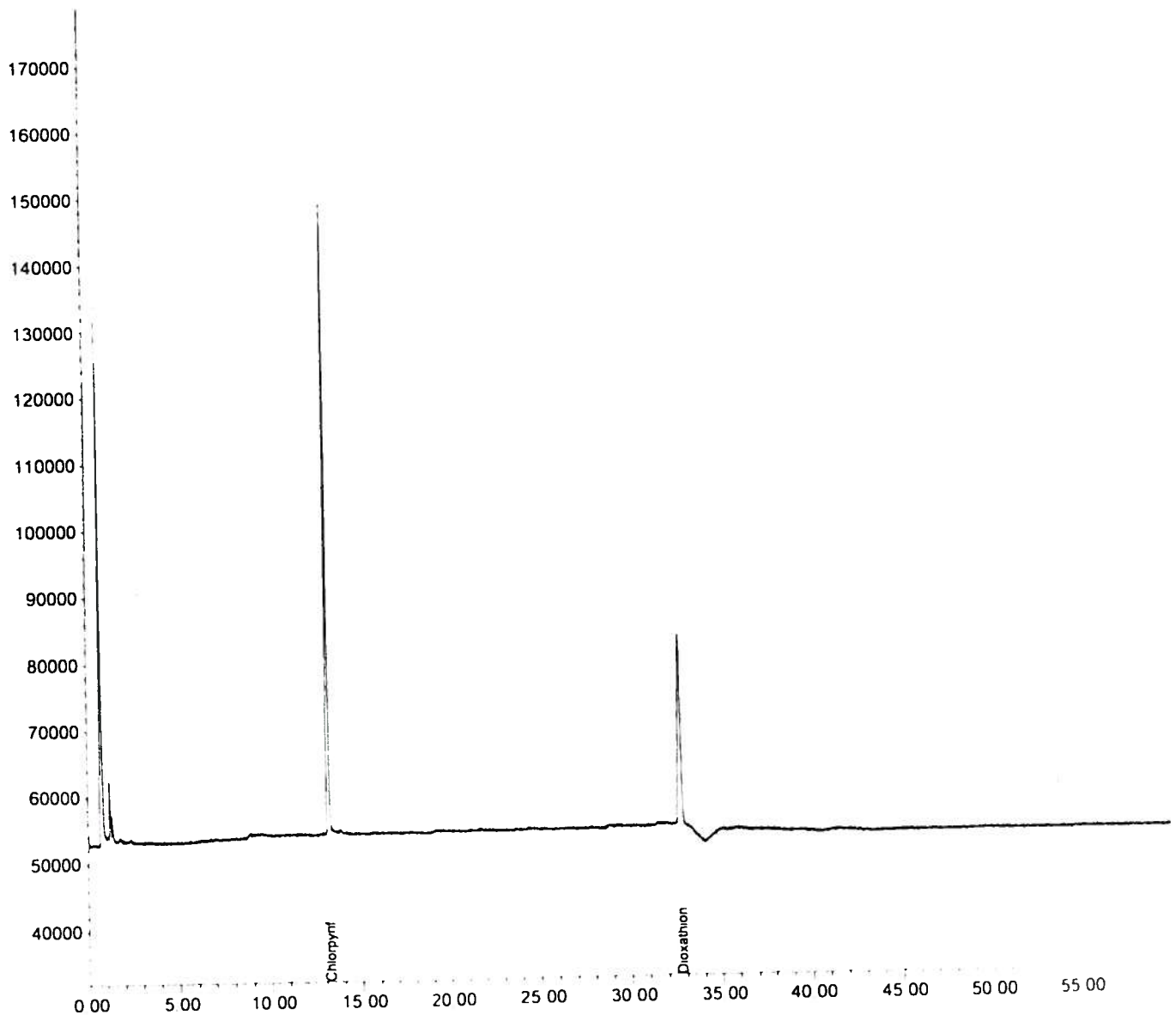
IntFile : events.e

Quant Time: Jul 28 13:58 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

CC3B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\CC3B.D Vial: 4
Acq On : 28 Jul 99 12:56 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 1ppm; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 13:58 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.22	5262139	1001.909	ppb m
Spiked Amount 1000.000		Recovery	= 100.19%	
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.71	3022982	1019.657	ppb m

Data File : C:\HPCHEM\1\DATA\072799\CC4B.D
Acq On : 28 Jul 99 11:32
Sample : Calibration Curve 07/27/99
Misc : Diox @ 500ppb; Chlor @ 1 ppm; 140 degree

Vial: 3
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

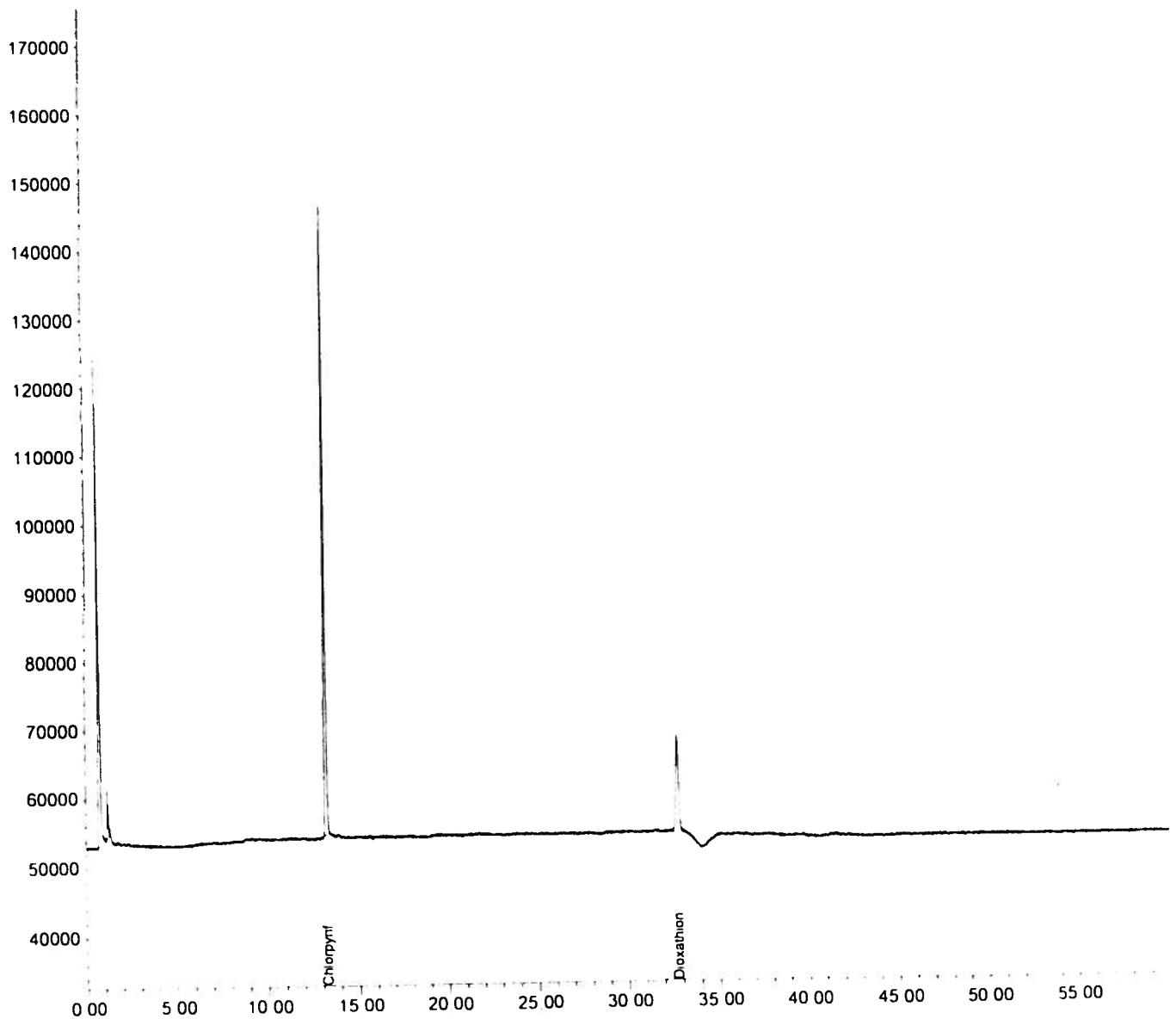
IntFile : events.e

Quant Time: Jul 28 13:32 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

CC4B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\CC4B.D Vial: 3
 Acq On : 28 Jul 99 11:32 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 500ppb; Chlor @ 1 ppm; 140 degree Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Jul 28 13:32 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 11:23:33 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.21	5161948	997.543	ppb m
Spiked Amount 1000.000		Recovery	= 99.75%	
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.71	1525991	527.806	ppb m

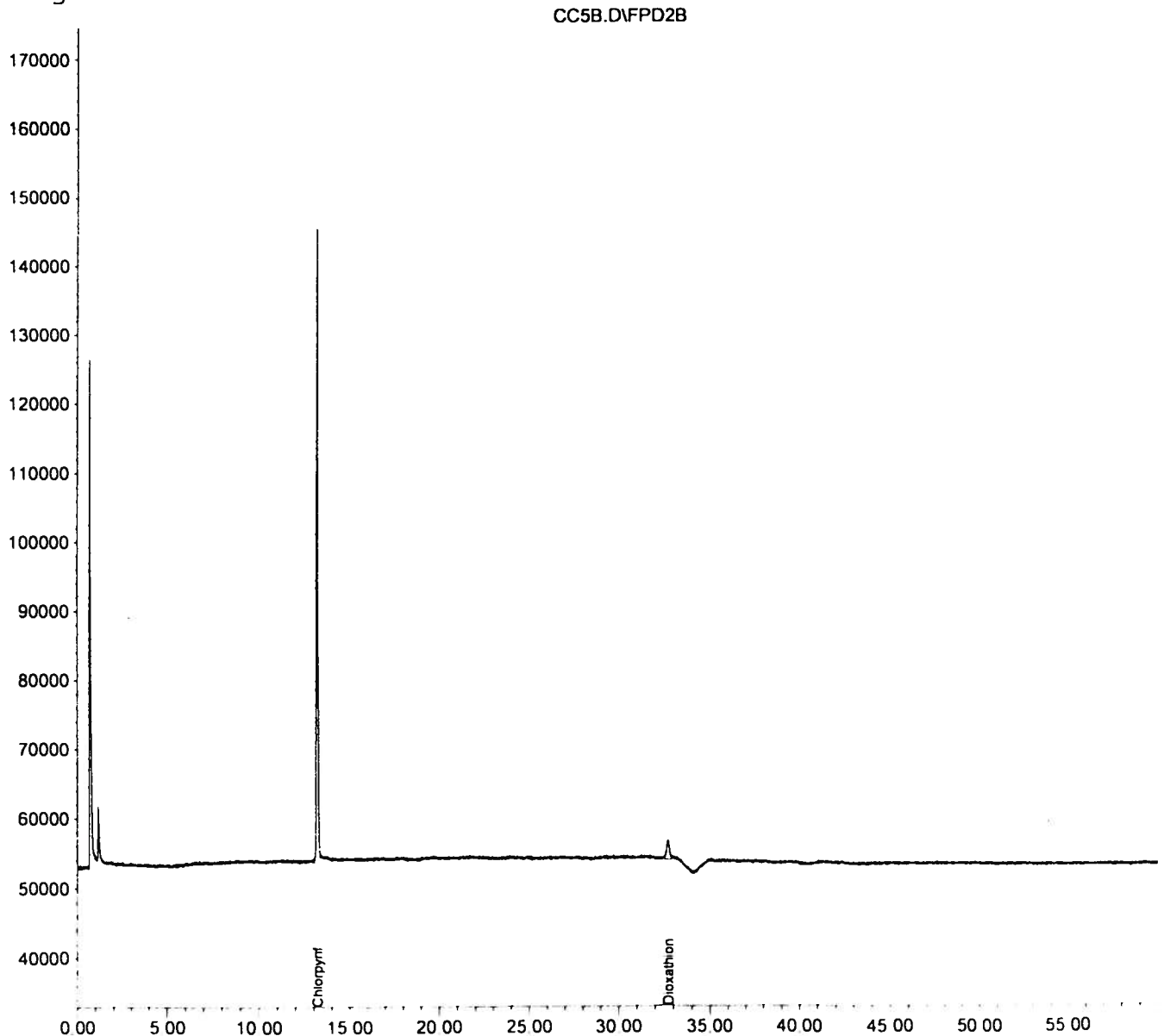
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC5B.D Vial: 2
Acq On : 28 Jul 99 10:08 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 100ppb; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 12:00 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC5B.D Vial: 2
 Acq On : 28 Jul 99 10:08 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 100ppb; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Jul 28 12:00 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 11:23:33 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.22	5091860	998.753	ppb m
Spiked Amount	1000.000	Recovery	=	99.88%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.72	317593	119.781	ppb m

Quantitation Report

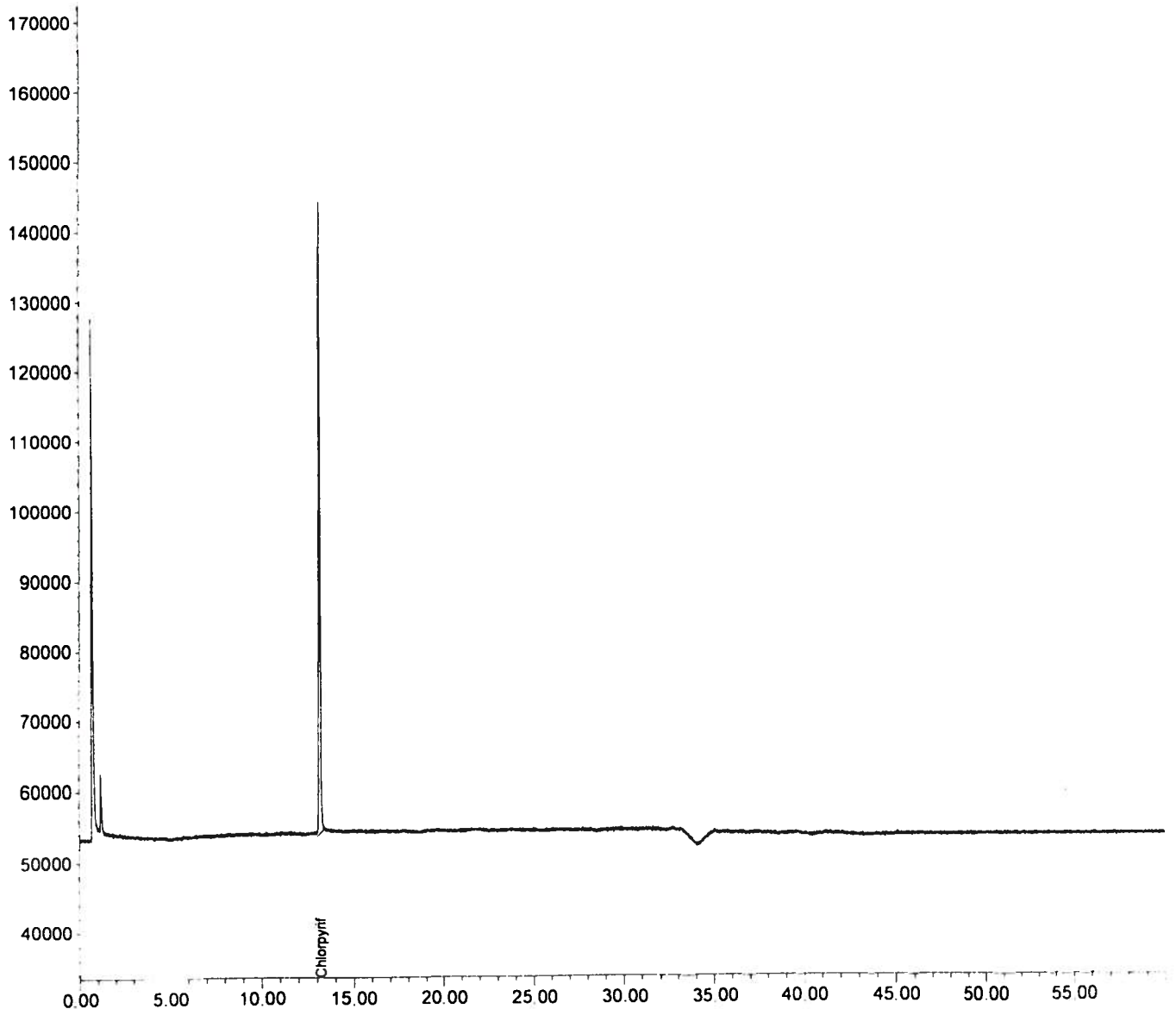
Data File : C:\HPCHEM\1\DATA\072799\CC6B.D Vial: 1
Acq On : 28 Jul 99 8:46 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 10ppb; Chlor @ 1ppm; 140 degrees Multiplr: 0.01
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 11:53 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 11:23:33 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

CC6B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\CC6B.D Vial: 1
 Acq On : 28 Jul 99 8:46 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 10ppb; Chlor @ 1ppm; 140 degrees Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 11:53 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 11:23:33 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.22	5129388	1006.114	ppb m
Spiked Amount 1000.000		Recovery	= 100.61%	
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	ppb

**5B – Raw Data – Chromatograms for Table 3
Standard Curve at 140°C Injection**

Midpoint

Data File : C:\HPCHEM\1\DATA\072799\MDPT2.D
Acq On : 29 Jul 99 4:21
Sample : Calibration Curve 07/27/99
Misc : Diox @ 1ppm; Chlor @ 1ppm; 140 degrees

Vial: 4
Operator:
Inst : FPD/FID 1
Multiplr: 1.00
Sample Amount: 0.00

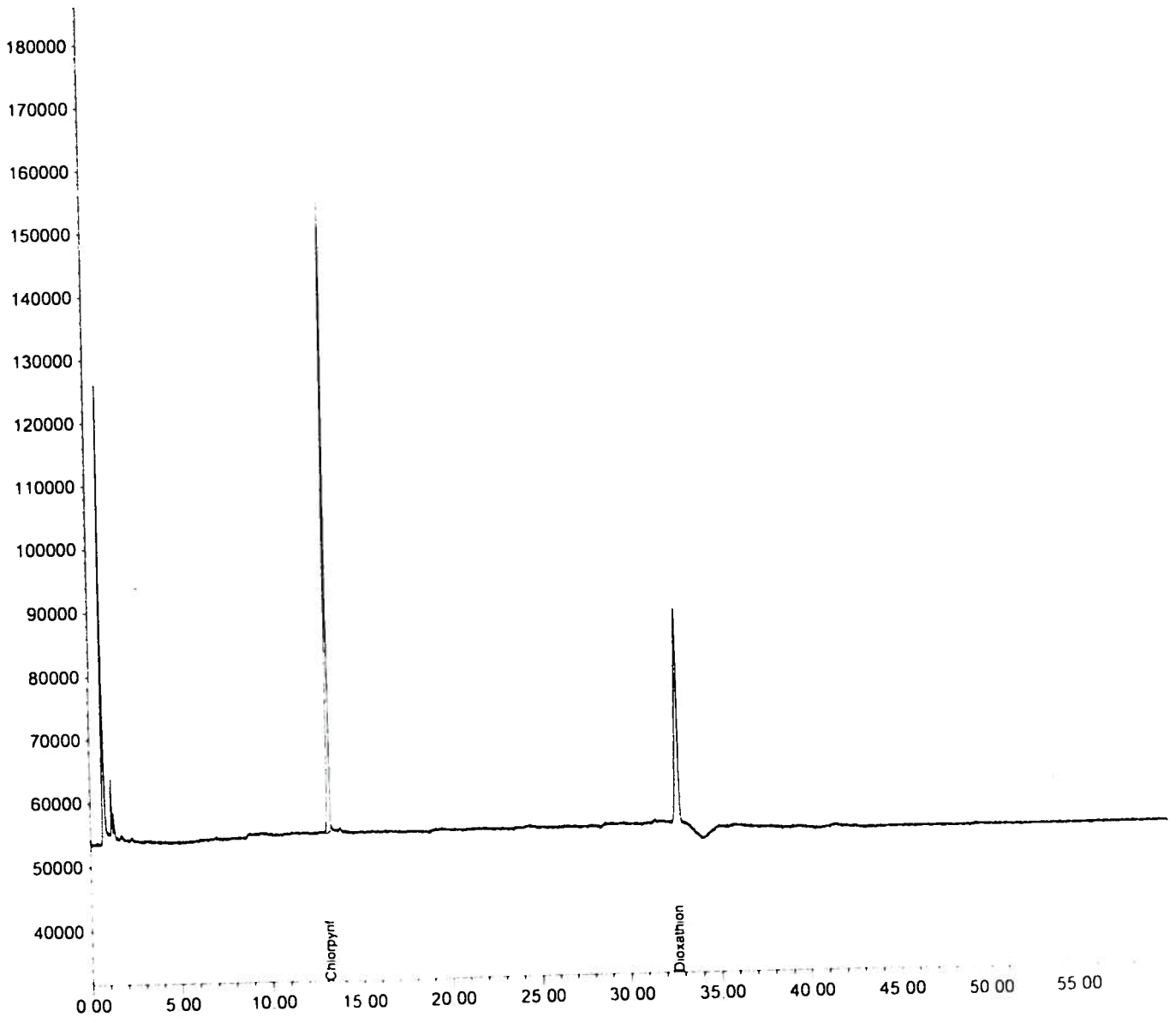
IntFile : events.e

Quant Time: Jul 29 8:48 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

MDPT2.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MDPT2.D Vial: 4
 Acq On : 29 Jul 99 4:21 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 1ppm; Chlor @ 1ppm; 140 degrees Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

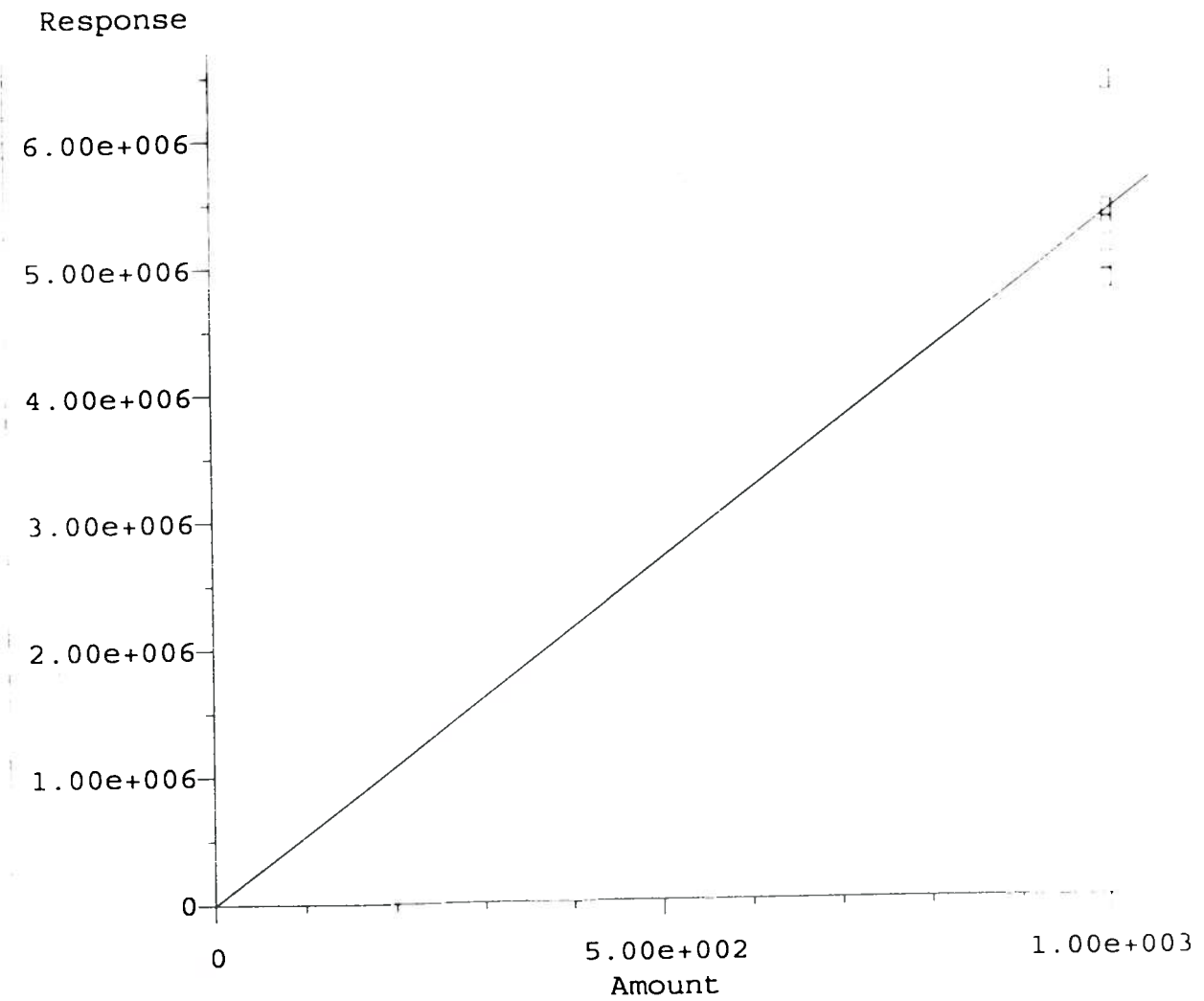
Quant Time: Jul 29 8:48 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

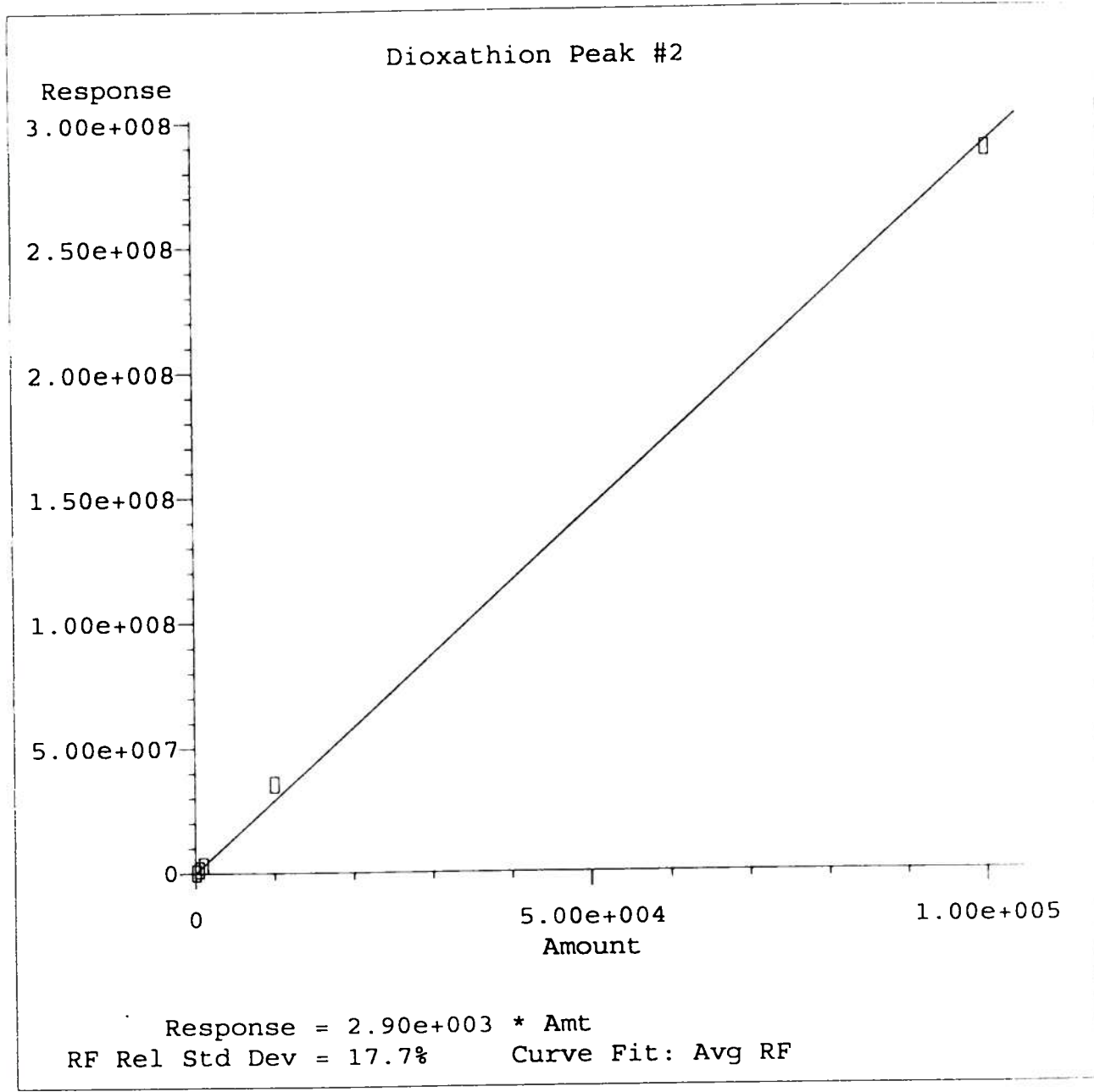
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.15	5711480	1052.329	ppb m
Spiked Amount 1000.000		Recovery	= 105.23%	
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.65	3608566	1174.525	PPB m

Chlorpyrifos



Response = 5.37e+003 * Amt
RF Rel Std Dev = 11.4% Curve Fit: Avg RF

Method Name: C:\HPCHEM\1\METHODS\8141AB.M
Calibration Table Last Updated: Wed Jul 28 09:17:49 1999



Method Name: C:\HPCHEM\1\METHODS\8141AB.M
Calibration Table Last Updated: Wed Jul 28 09:17:49 1999

**5C – Raw Data – Chromatograms for Table 3
Standard Curve at 220°C Injection**

Calibration Curve

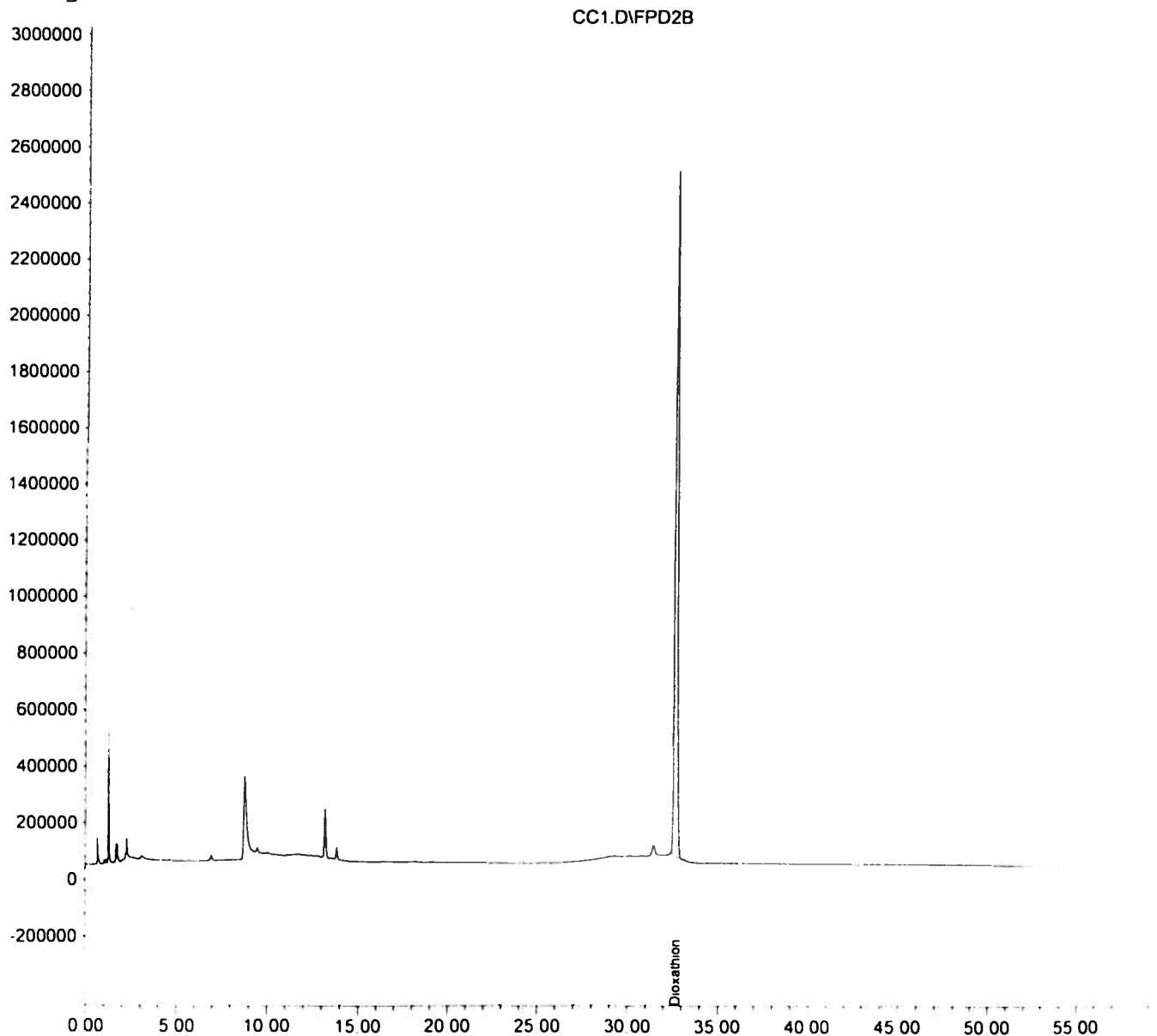
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC1.D Vial: 6
Acq On : 27 Jul 99 22:46 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 100ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 9:01 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 08:58:17 1999
Response via : Single Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC1.D Vial: 6
 Acq On : 27 Jul 99 22:46 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 100ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:01 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 08:58:17 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.18	10148126	NoCal ppb
Spiked Amount 1000.000		Recovery	= 0.00%
Target Compounds			
2) T Dioxathion Peak #1	8.77	28060253	NoCal ppb
3) T Dioxathion Peak #2	32.67	260319076	125303.733 PPB

Quantitation Report

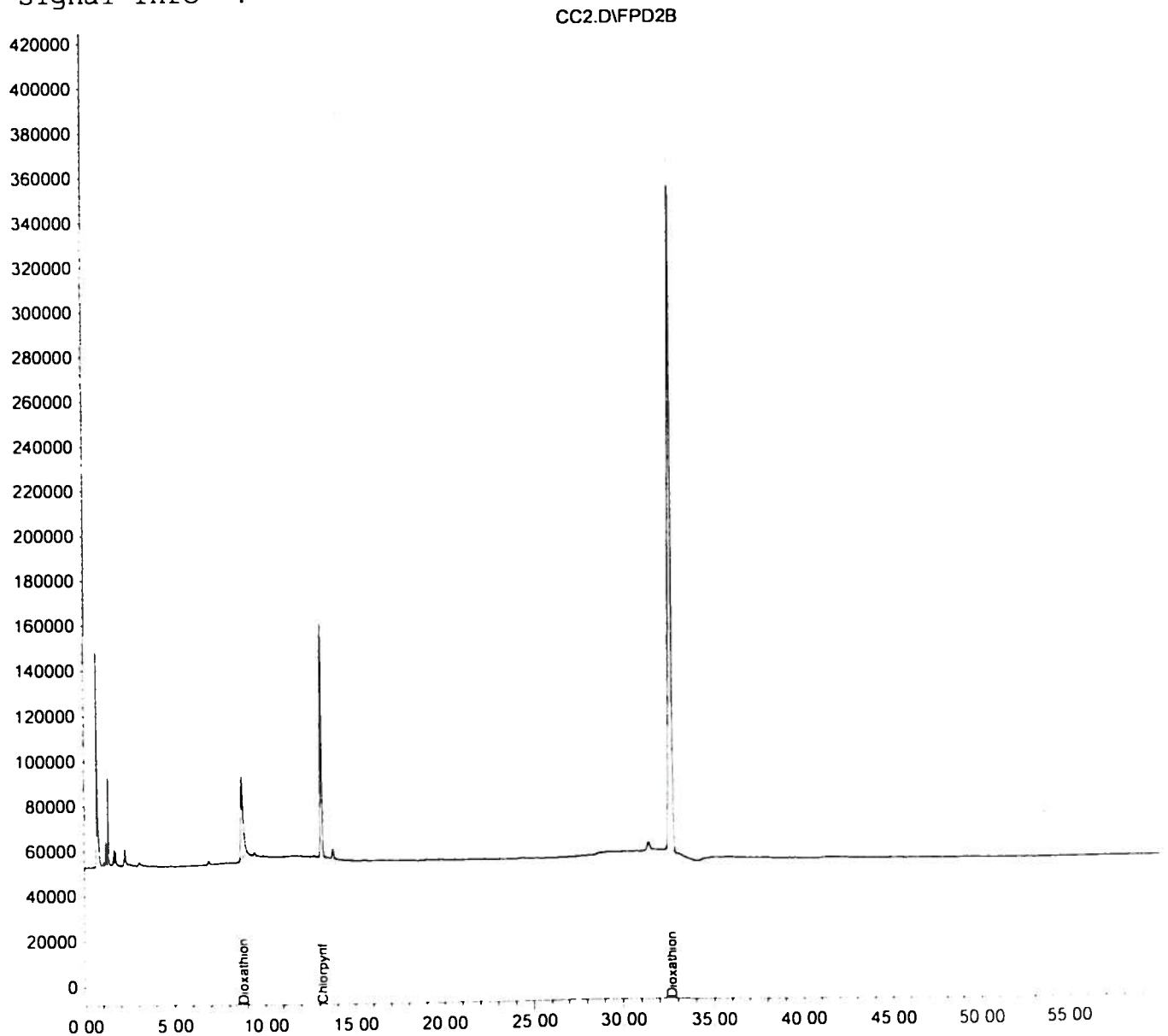
Data File : C:\HPCHEM\1\DATA\072799\CC2.D Vial: 5
Acq On : 27 Jul 99 21:42 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 10ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:06 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:04:13 1999
Response via : Single Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC2.D Vial: 5
 Acq On : 27 Jul 99 21:42 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 10ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:06 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:04:13 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.16	5842897	575.761	ppb m
Spiked Amount 1000.000		Recovery	= 57.58%	
Target Compounds				
2) T Dioxathion Peak #1	8.76	3354621	11955.062	ppb m
3) T Dioxathion Peak #2	32.65	30357694	11661.725	PPB m

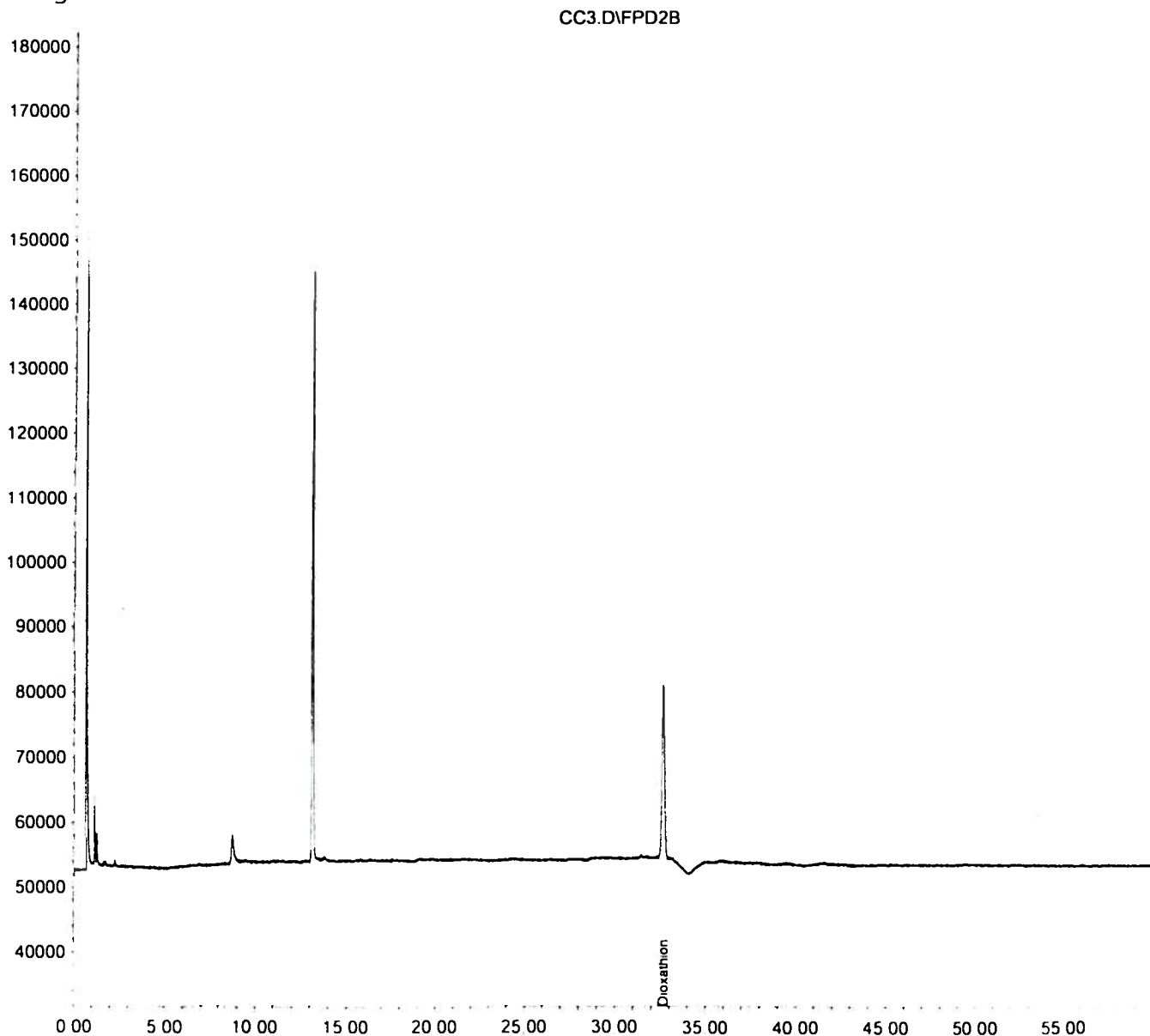
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC3.D Vial: 4
Acq On : 27 Jul 99 20:38 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 9:10 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:09:50 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC3.D Vial: 4
Acq On : 27 Jul 99 20:38 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 9:10 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:09:50 1999
Response via : Initial Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.16	4966346	NoCal	ppb m
Spiked Amount 1000.000		Recovery	=	0.00%
Target Compounds				
2) T Dioxathion Peak #1	8.75	325255	N.D.	ppb m
3) T Dioxathion Peak #2	32.67	2818252	999.564	PPB m

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC4.D Vial: 3
Acq On : 27 Jul 99 19:34 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 500ppb; Chlor @ 1 ppm; 220 degree Multiplr: 1.00
Sample Amount: 0.00

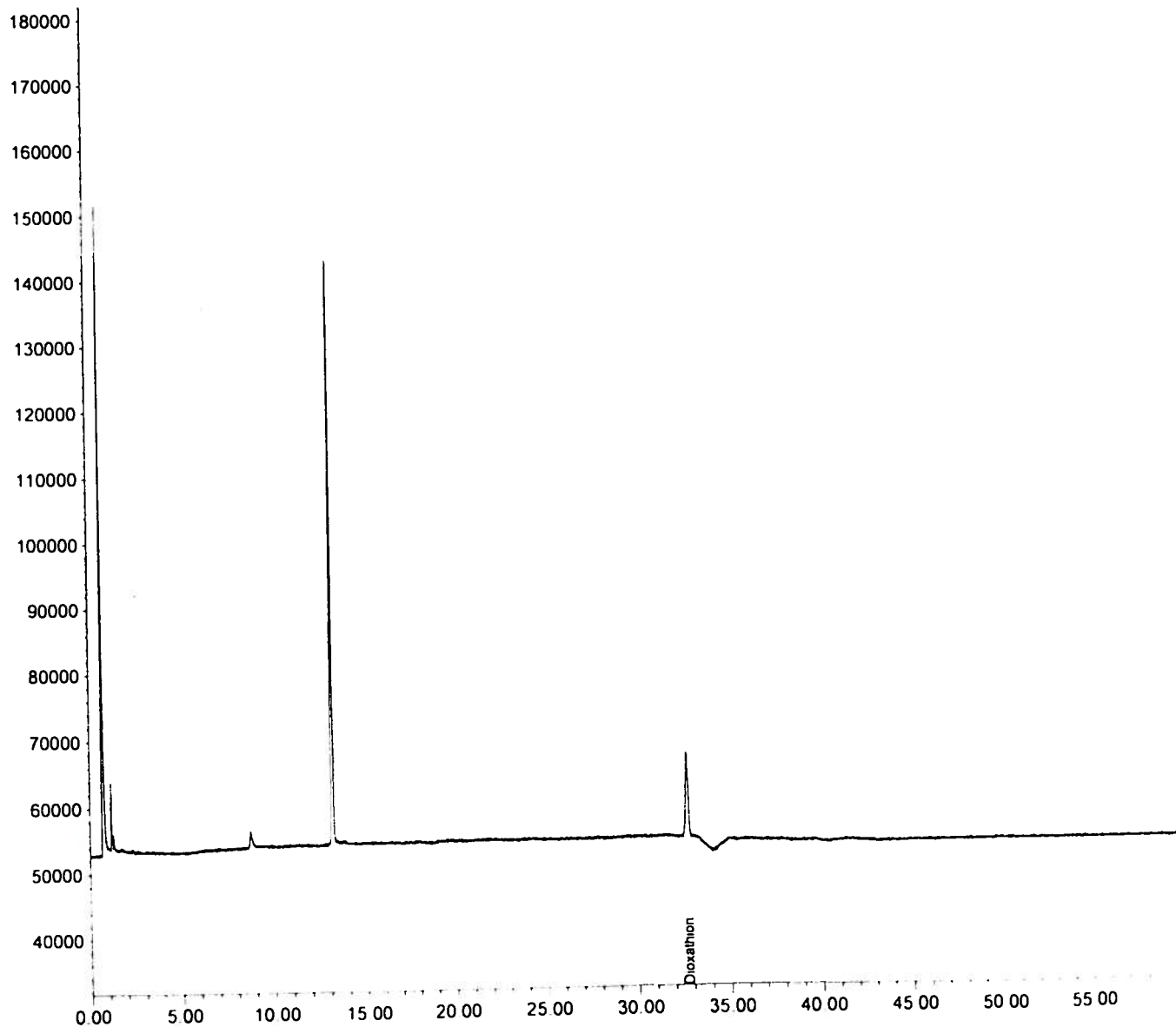
IntFile : events.e

Quant Time: Jul 28 9:11 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:09:50 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

CC4.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\CC4.D Vial: 3
 Acq On : 27 Jul 99 19:34 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 500ppb; Chlor @ 1 ppm; 220 degree Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Jul 28 9:11 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:09:50 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.16	4867668	NoCal	ppb m
Spiked Amount 1000.000		Recovery	=	0.00%
Target Compounds				
2) T Dioxathion Peak #1	8.76	172273	N.D.	ppb m
3) T Dioxathion Peak #2	32.67	1342216	476.120	PPB m

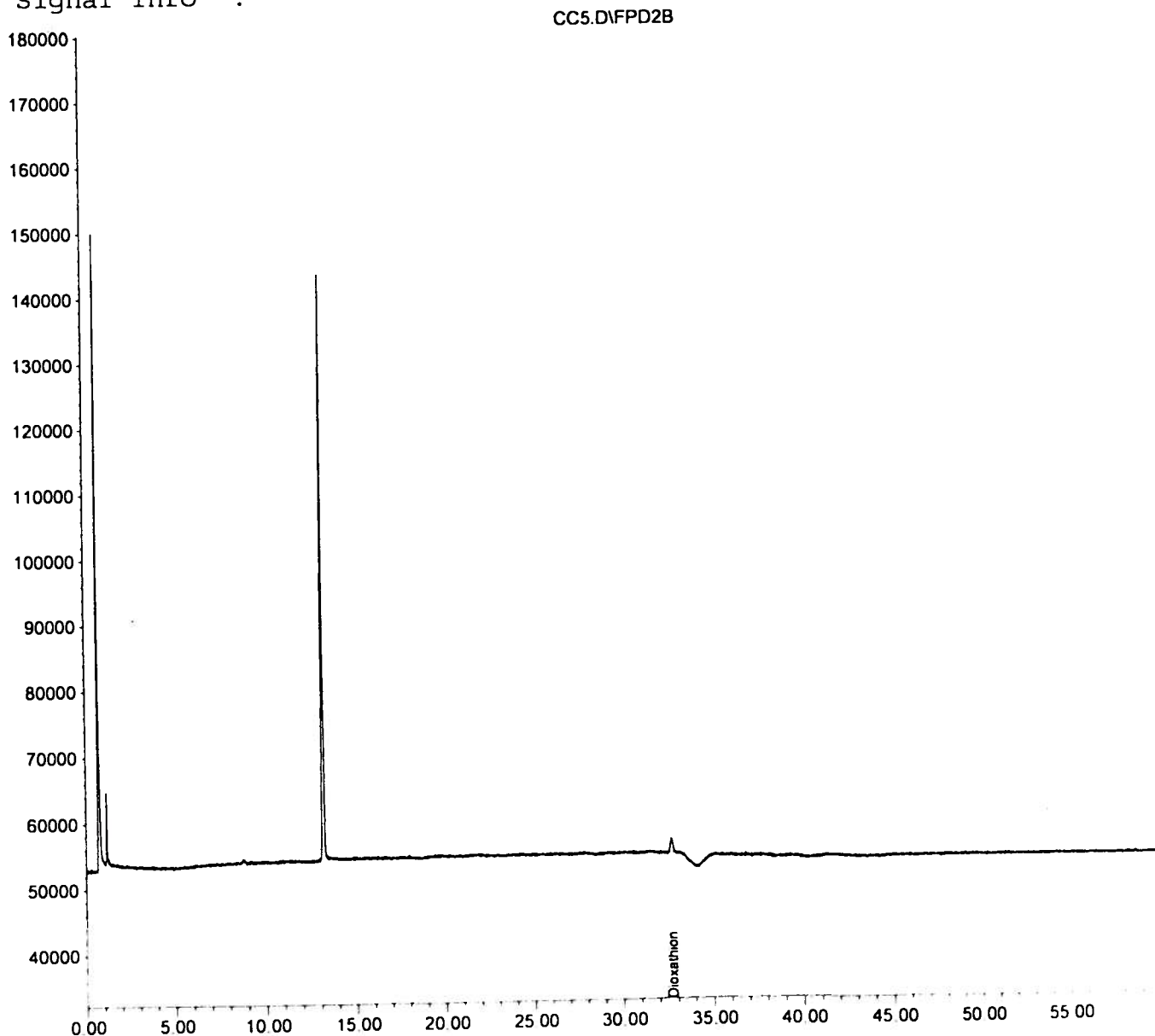
Data File : C:\HPCHEM\1\DATA\072799\CC5.D
Acq On : 27 Jul 99 18:30
Sample : Calibration Curve 07/27/99
Misc : Diox @ 100ppb; Chlor @ 1ppm; 220 degrees
Vial: 2
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:13 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:12:52 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC5.D Vial: 2
 Acq On : 27 Jul 99 18:30 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 100ppb; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:13 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:12:52 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.17	4834410	NoCal	ppb m
Spiked Amount 1000.000		Recovery	=	0.00%
Target Compounds				
2) T Dioxathion Peak #1	8.75	48744	N.D.	ppb m
3) T Dioxathion Peak #2	32.69	211555	75.951	PPB m

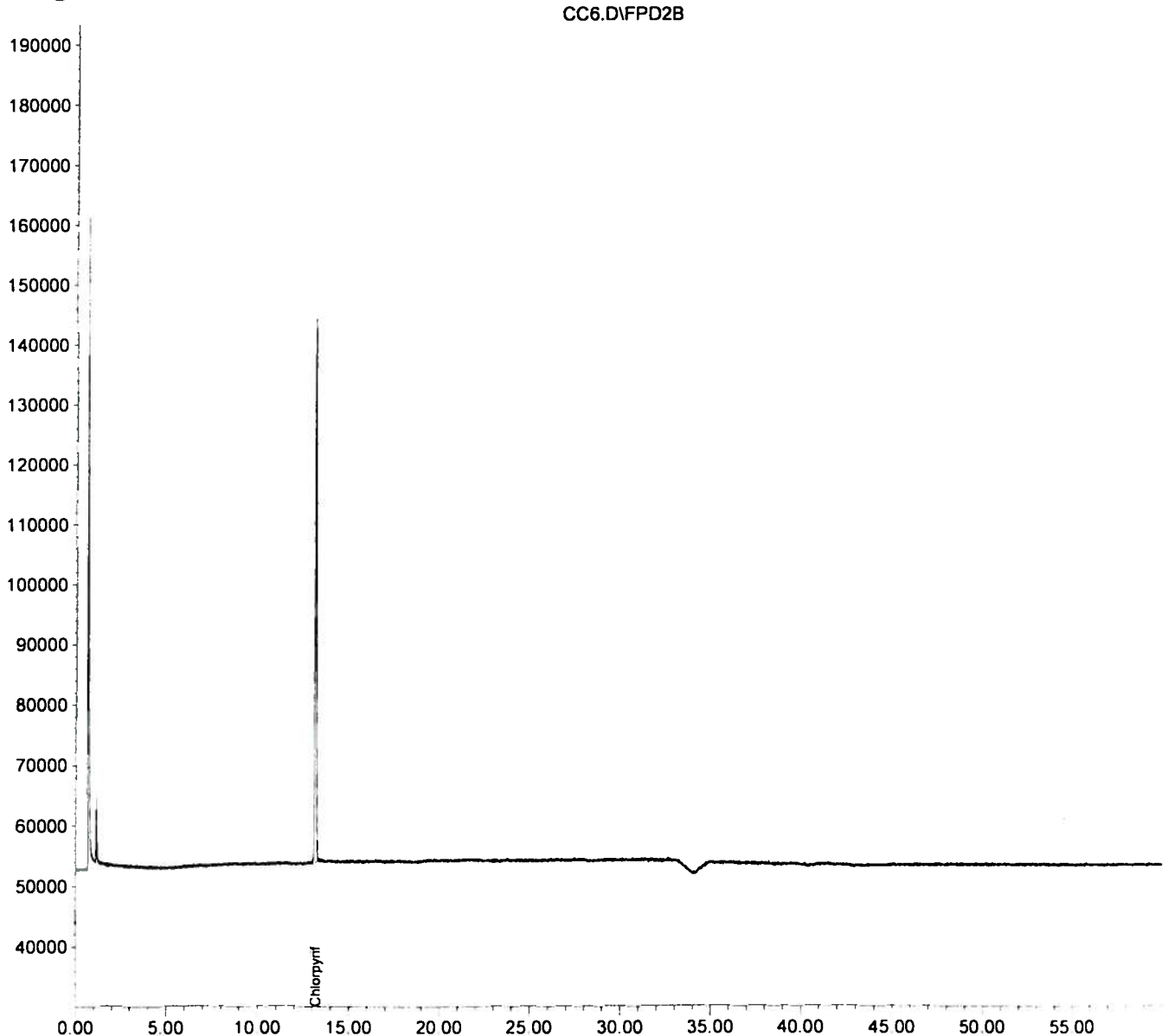
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\CC6.D Vial: 1
Acq On : 27 Jul 99 17:26 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
Misc : Diox @ 10ppb; Chlor @ 1ppm; 220 degrees Multiplr: 0.01
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 9:14 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:12:52 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\CC6.D Vial: 1
 Acq On : 27 Jul 99 17:26 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID I
 Misc : Diox @ 10ppb; Chlor @ 1ppm; 220 degrees Multiplr: 0.01
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Jul 28 9:14 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:12:52 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.22	4979777	180.667	ppb m
Spiked Amount 1000.000		Recovery	=	18.07%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

**5C – Raw Data – Chromatograms for Table 3
Standard Curve at 220°C Injection**

Midpoint

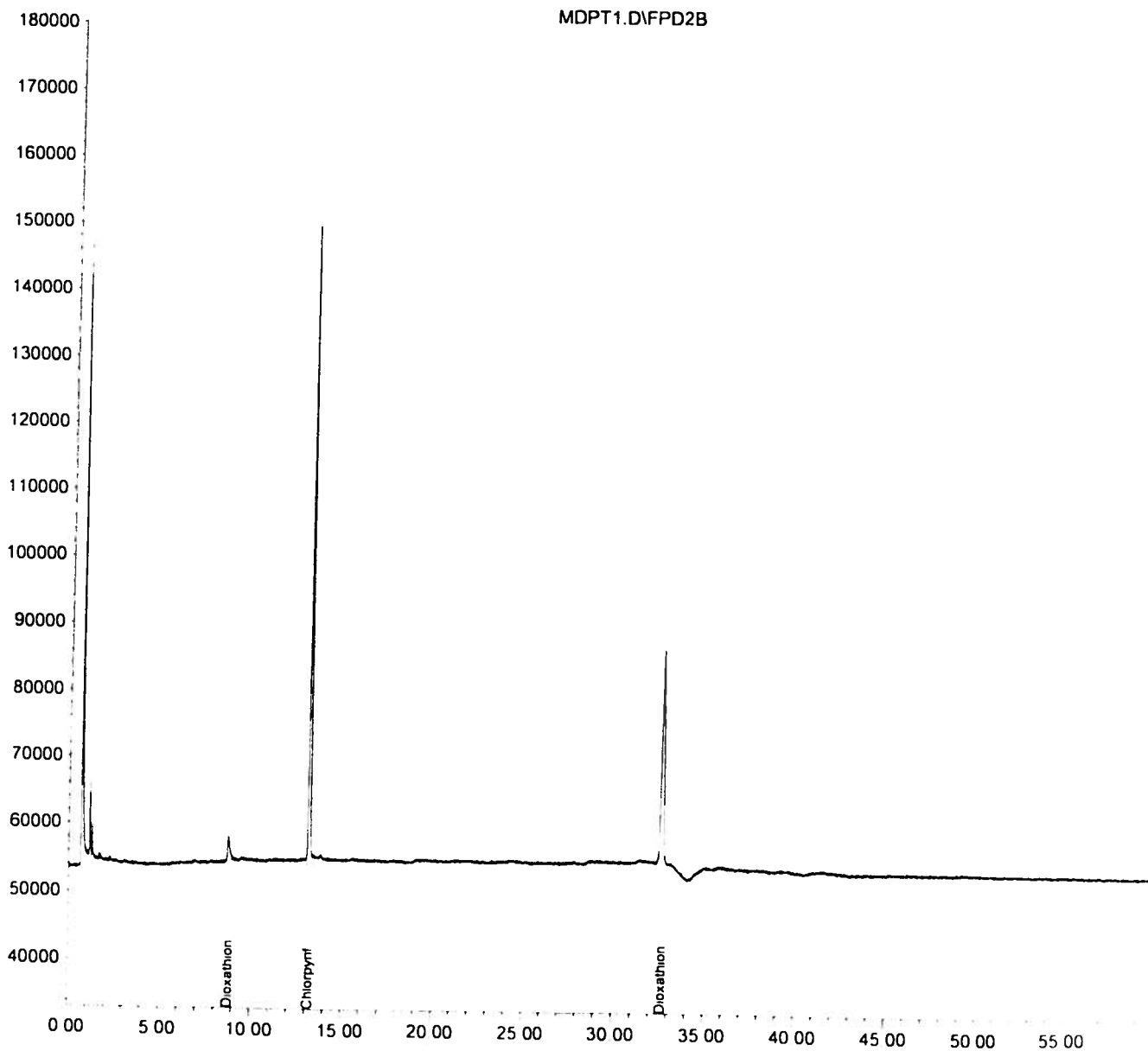
Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\MDPT1.D Vial: 4
Acq On : 28 Jul 99 7:19 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID
Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

Quant Time: Jul 28 9:36 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :



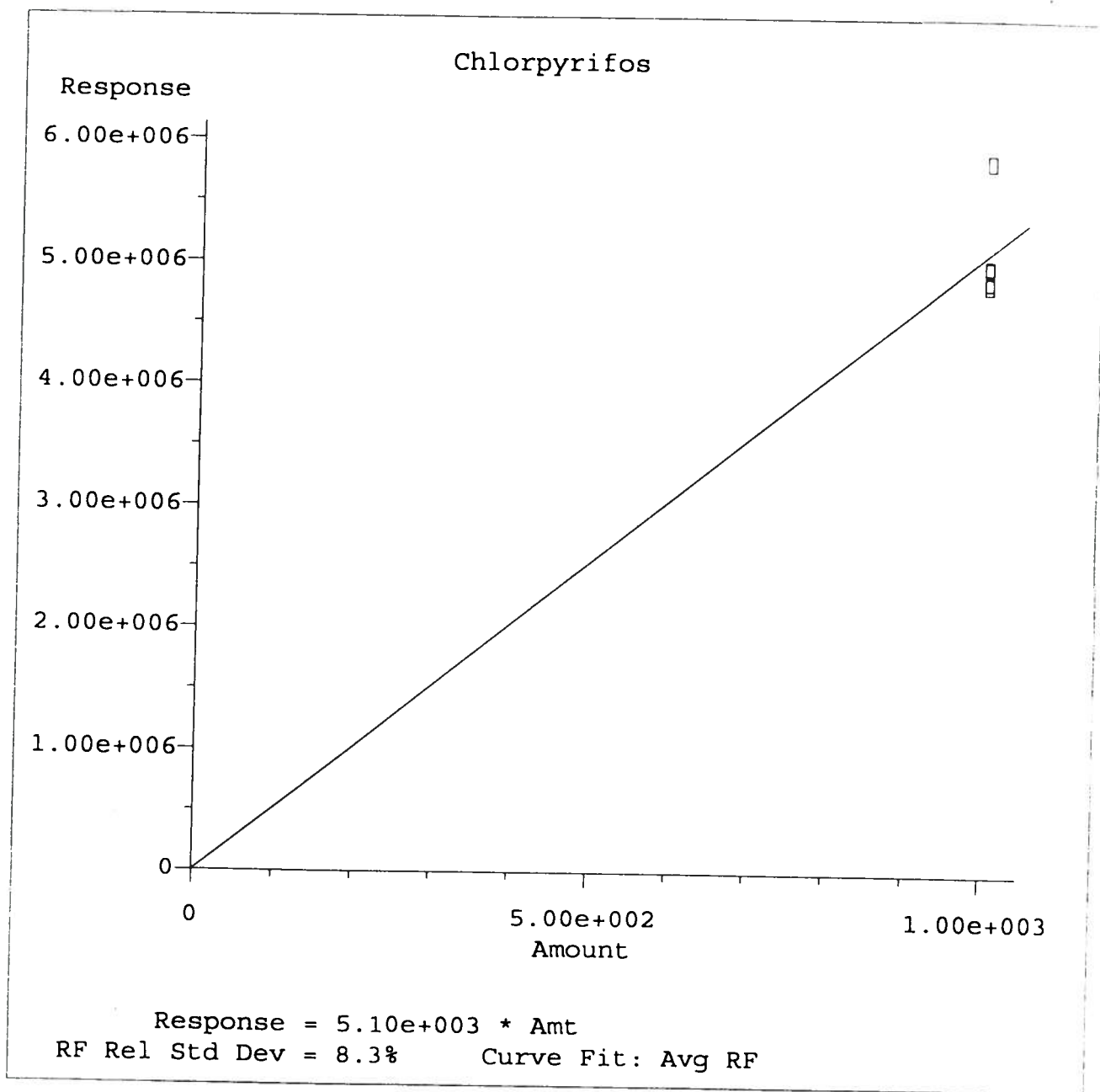
Data File : C:\HPCHEM\1\DATA\072799\MDPT1.D Vial: 4
 Acq On : 28 Jul 99 7:19 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID
 Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
 IntFile : events.e Sample Amount: 0.00

Quant Time: Jul 28 9:36 1999 Quant Results File: 8141A.RES

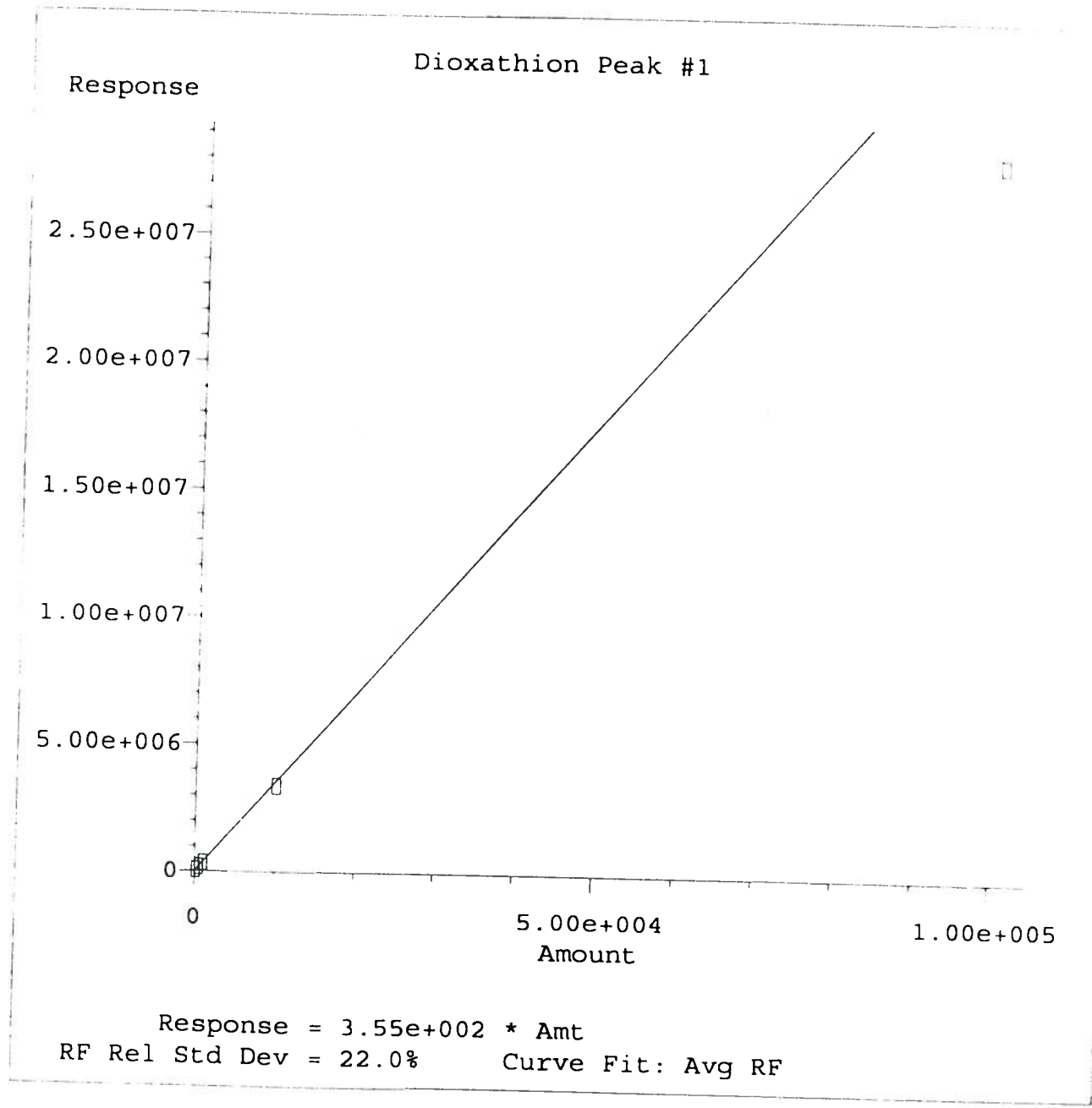
Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

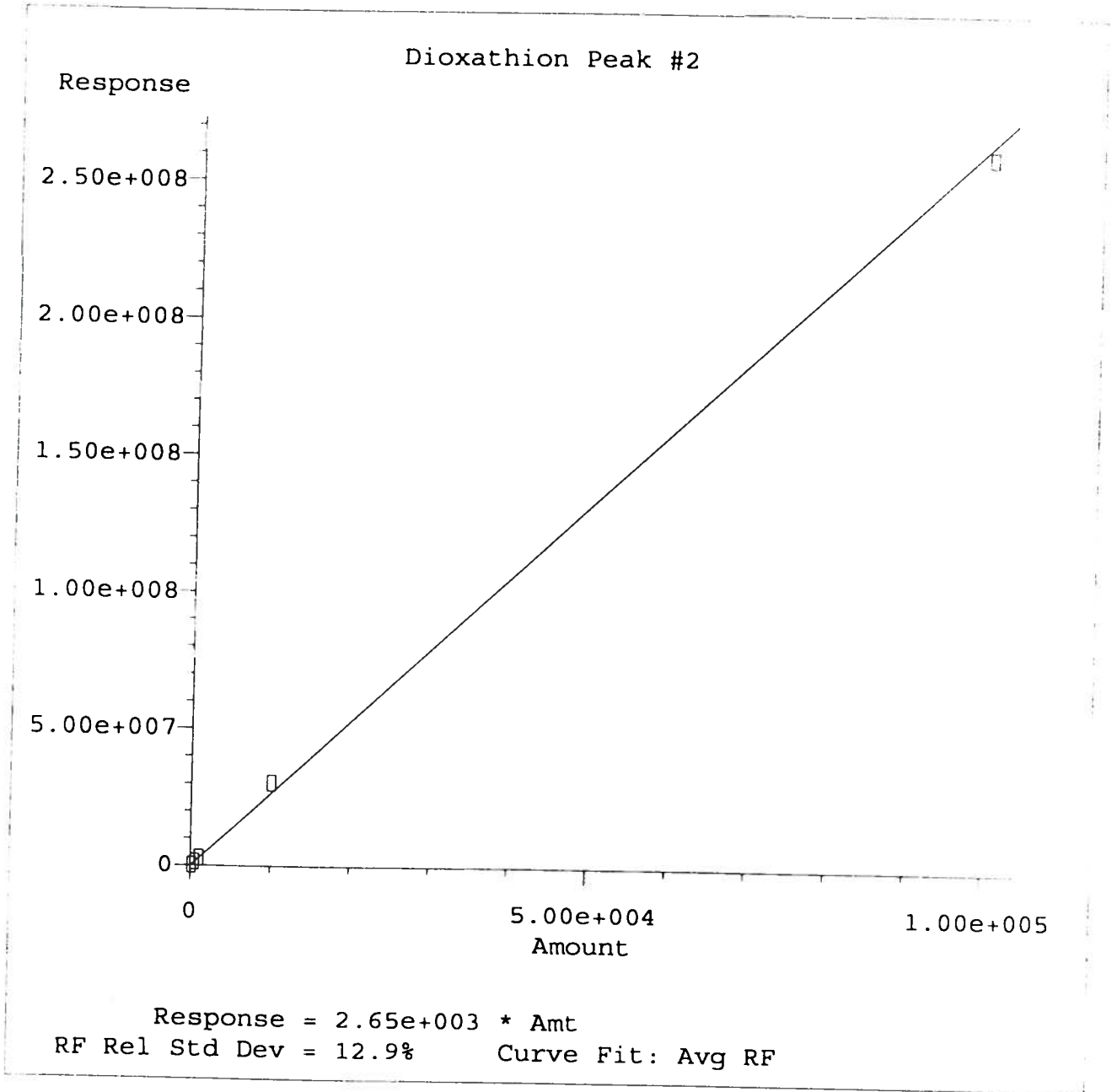
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.17	5341377	1047.694	ppb m
Spiked Amount 1000.000		Recovery	= 104.77%	
Target Compounds				
2) T Dioxathion Peak #1	8.76	321124	905.439	ppb m
3) T Dioxathion Peak #2	32.66	3002805	1132.519	PPB m



Method Name: C:\HPCHEM\1\METHODS\8141A.M
Calibration Table Last Updated: Wed Jul 28 09:17:49 1999



Method Name: C:\HPCHEM\1\METHODS\8141A.M
Calibration Table Last Updated: Wed Jul 28 09:17:49 1999



Method Name: C:\HPCHEM\1\METHODS\8141A.M
Calibration Table Last Updated: Wed Jul 28 09:17:49 1999



APPENDIX 6

**6A - Table 2 – Hercules MW4 Water Analysis
at Injection Port Temperatures of 140°C & 220°C**

**6B – Raw Data Chromatograms for Table 2
at 140°C Injection Port**

**6C – Raw Data Chromatograms for Table 2
at 220°C Injection Port**

TABLE 2

HERCULES MW#4 WATER ANALYSIS AT INJECTION PORT TEMPERATURES OF 140° AND 220°

SAMPLE	Recovery		Chlorpyrifos		Chlorpyrifos		8:71 Peak		PPB		32:66 Peak		PPB	
	140°	220°	Area 140°	PPB 140°	Area 220°	PPB 220°	Area 220°	PPB 140°	Area 140°	Area 220°	PPB 140°	Area 220°	Area 220°	PPB 220°
Method Blank	76.22	74.15	4,137,086	762	3,780,227	741	0	0	0	0	0	0	0	0
Matrix Spike	81.95	87.23	4,447,751	819	4,447,060	872	0	0	290,229	2,509,675	8.50	2,334,860	8.50	9.16
Matrix Spike Dup	80.56	81.16	4,372,476	806	4,137,747	812	0	0	287,473	2,167,917.58	9.07	2,530,033	9.07	9.92
Trip Blank	85.04	89.87	4,615,665	850	4,582,008	899	0	0	0	0	0	0	0	0
Equipment Blank	82.27	86.04	4,465,426	823	4,386,597	860	0	0	0	0	0	0	0	0
BT55743	68.71	71.38	3,728,960	687	3,639,118	714	25,924,897	1,122	25,612,299	751	0	0	0	0
BT55743 Spike	75.91	77.62	4,119,948	759	3,957,297	776	29,834,150	1,292	29,148,836	855	2,569,816	8.70	2,322,462	9.11

**6B – Raw Data – Chromatograms for Table 2
at 140°C Injection Port**

QA/QC

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\MB0727B.D
Acq On : 28 Jul 99 18:28
Sample : Method Blank 072799-1
Misc :

Vial: 7
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

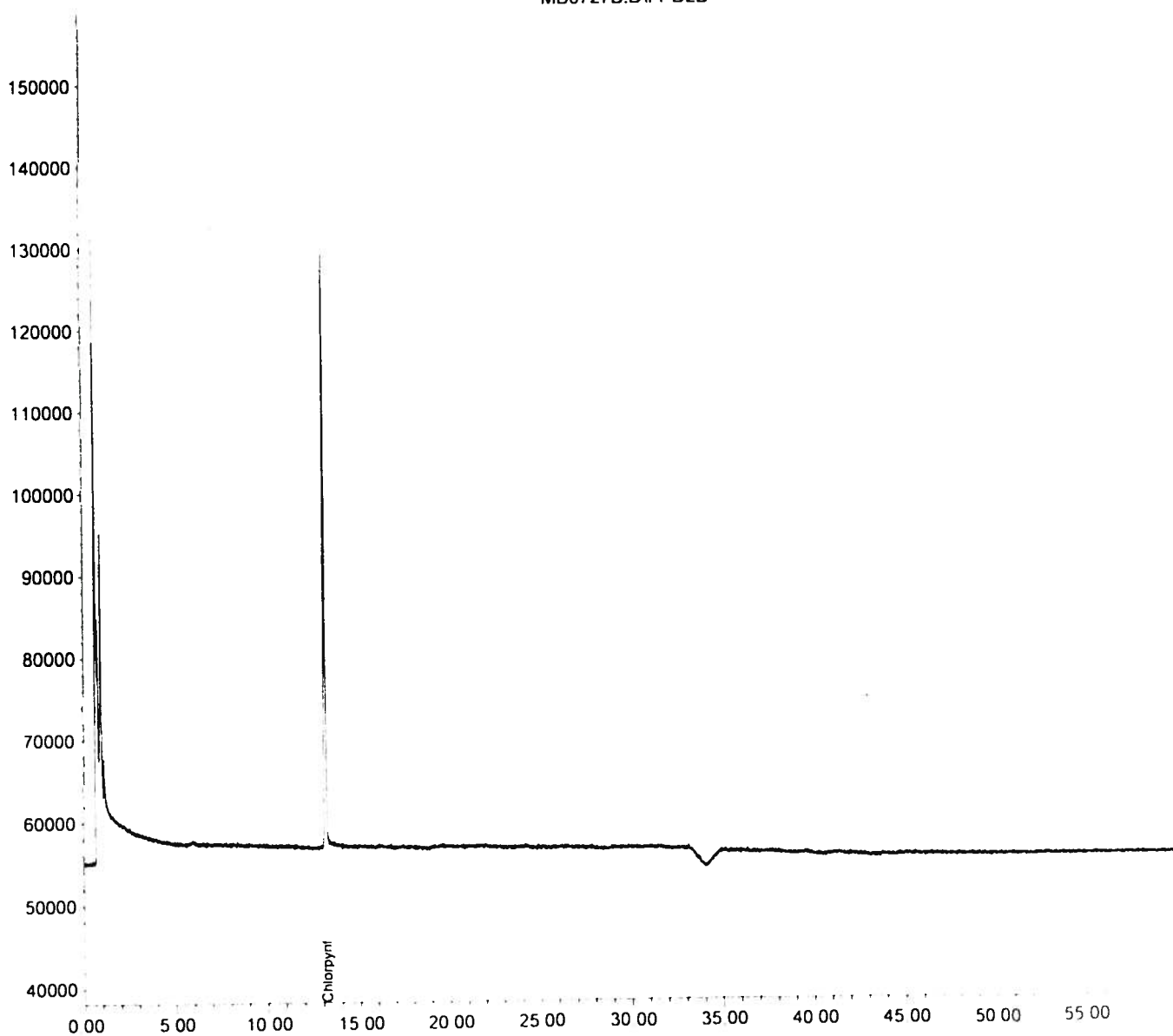
IntFile : events.e

Quant Time: Jul 29 8:47 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

MB0727B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MB0727B.D
Acq On : 28 Jul 99 18:28
Sample : Method Blank 072799-1
Misc :

Vial: 7
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:47 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.18	4137086	762.250	ppb m
Spiked Amount 1000.000		Recovery	=	76.22%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\MSD0727B.D
Acq On : 28 Jul 99 21:18
Sample : Matrix Spike Dup 072799-1
Misc :

Vial: 9
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

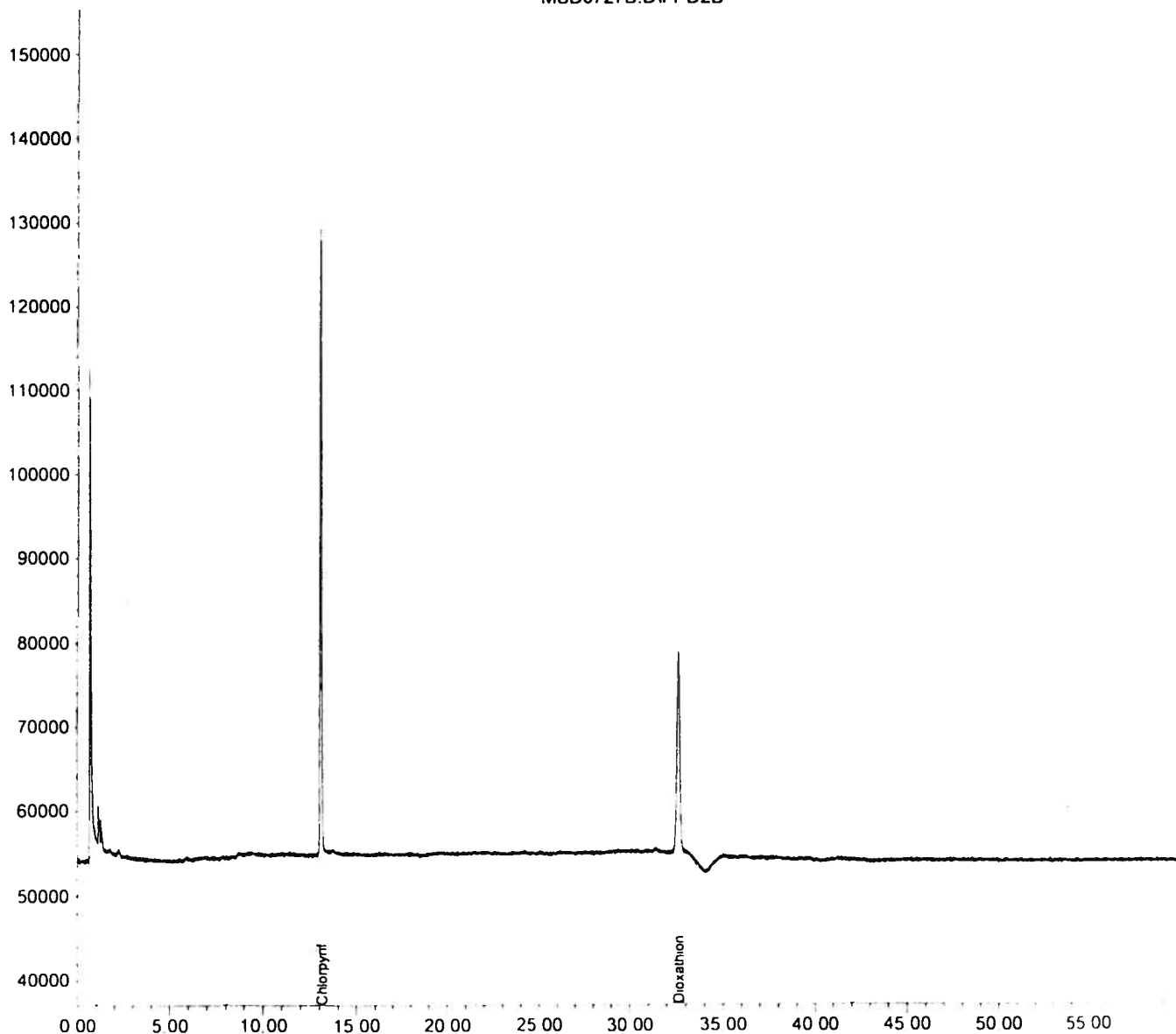
IntFile : events.e

Quant Time: Jul 29 8:51 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

MSD0727B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MSD0727B.D Vial: 9
Acq On : 28 Jul 99 21:18 Operator:
Sample : Matrix Spike Dup 072799-1 Inst : FPD/FID I
Misc : Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:51 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.14	4372476	805.620	ppb m
Spiked Amount	1000.000	Recovery	=	80.56%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.64	2679758	9.071	PPB m

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\MS0727B.D
Acq On : 28 Jul 99 19:53
Sample : Matrix Spike 072799-1
Misc :

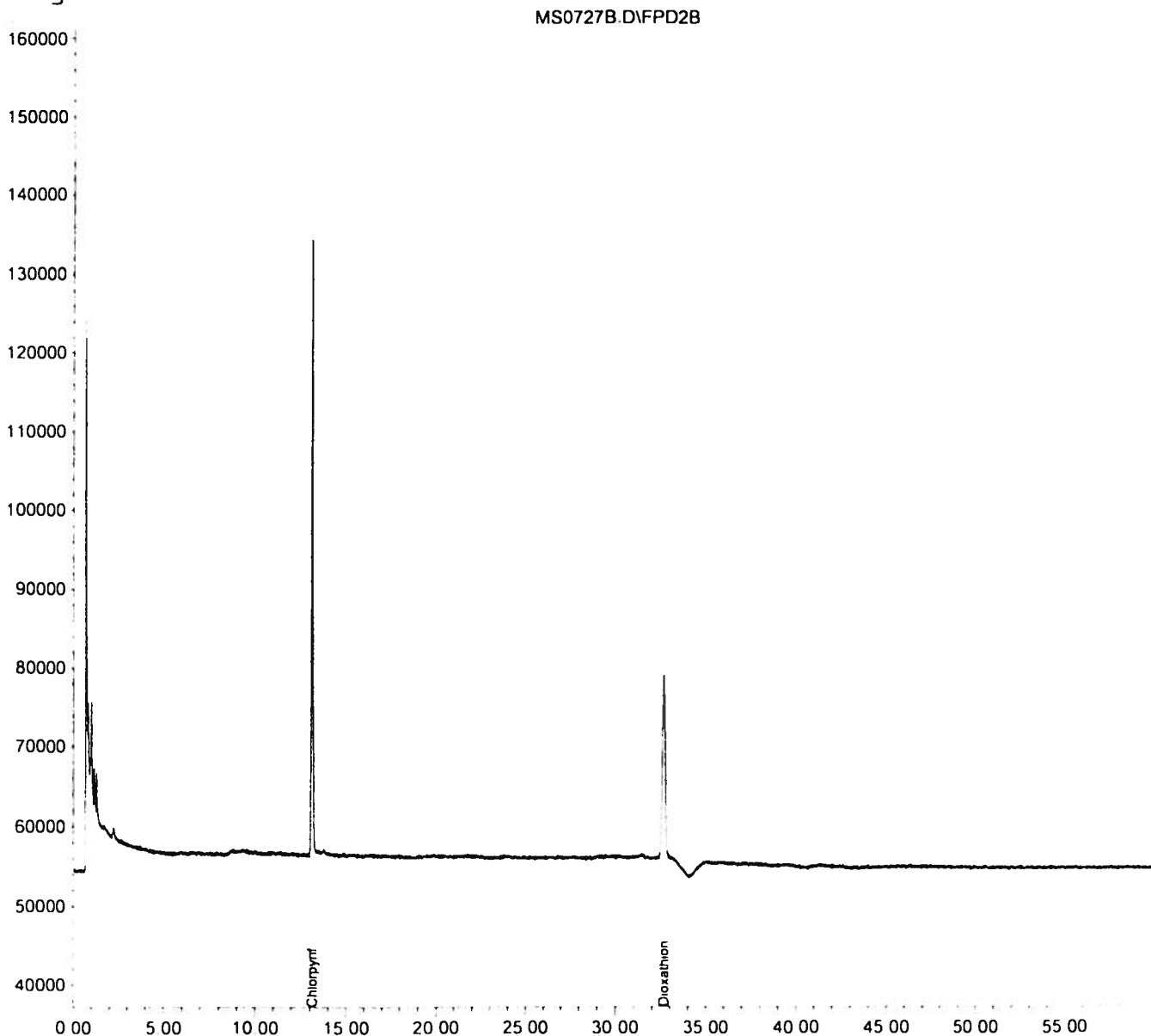
Vial: 8
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:50 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\MS0727B.D Vial: 8
 Acq On : 28 Jul 99 19:53 Operator:
 Sample : Matrix Spike 072799-1 Inst : FPD/FID I
 Misc : Multiplr: 0.01
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Jul 29 8:50 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.13	4447751	819.489	ppb m
Spiked Amount 1000.000		Recovery	=	81.95%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	32.66	2509675	8.495	PPB m

**6B – Raw Data – Chromatograms for Table 2
at 140°C Injection Port**

HERCULES DATA

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\BT55741B.D
Acq On : 28 Jul 99 22:43
Sample : Hercules Trip Blank
Misc : Collected 07/22/99 @ 1010

Vial: 10
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

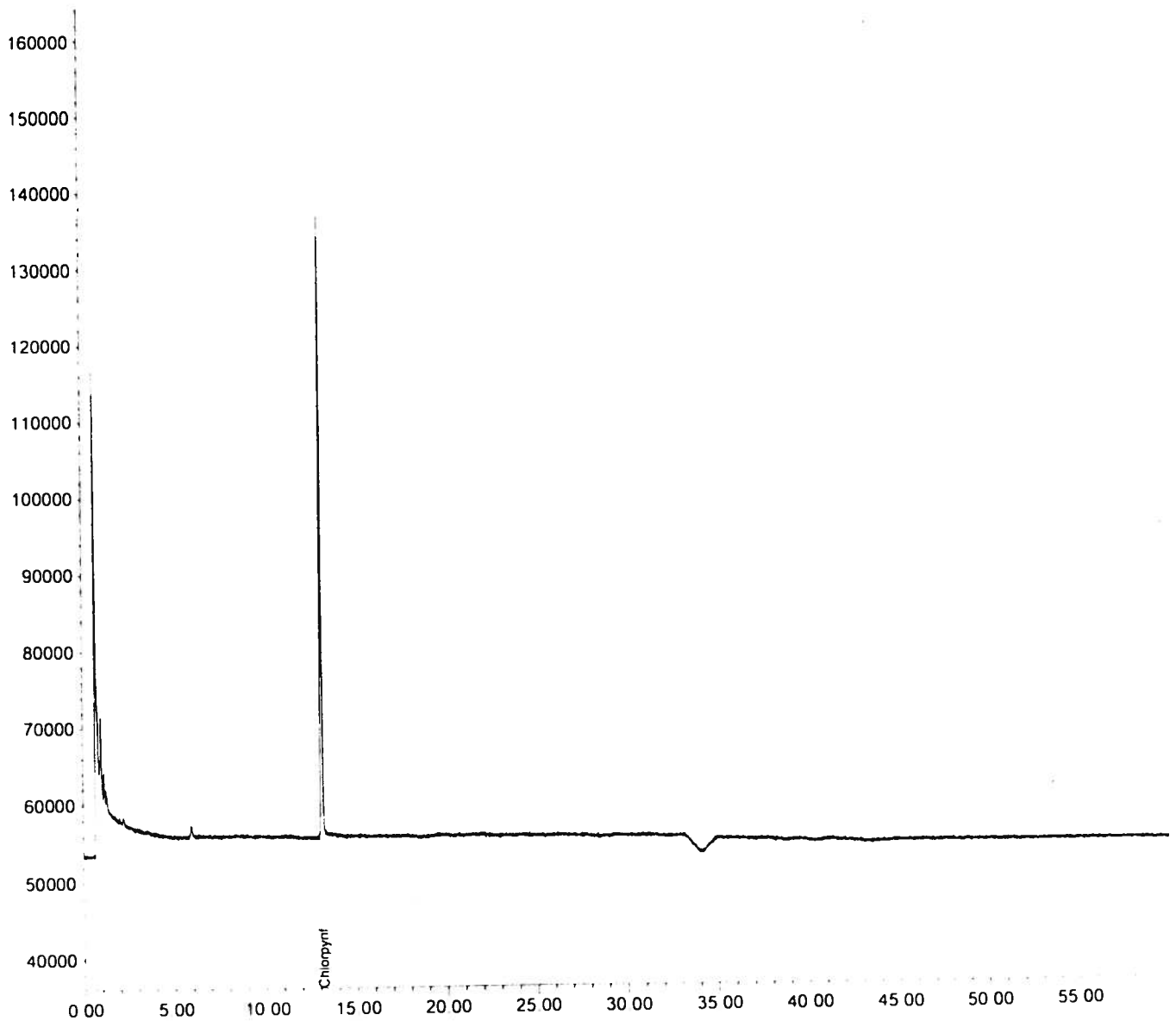
IntFile : events.e

Quant Time: Jul 29 8:51 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55741B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55741B.D
 Acq On : 28 Jul 99 22:43
 Sample : Hercules Trip Blank
 Misc : Collected 07/22/99 @ 1010

Vial: 10
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:51 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.14	4615665	850.427	ppb m
Spiked Amount 1000.000		Recovery	=	85.04%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Data File : C:\HPCHEM\1\DATA\072799\BT55742B.D
Acq On : 29 Jul 99 00:08
Sample : Hercules Field Blank
Misc : Collected 07/22/99 @ 1400

Vial: 11
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

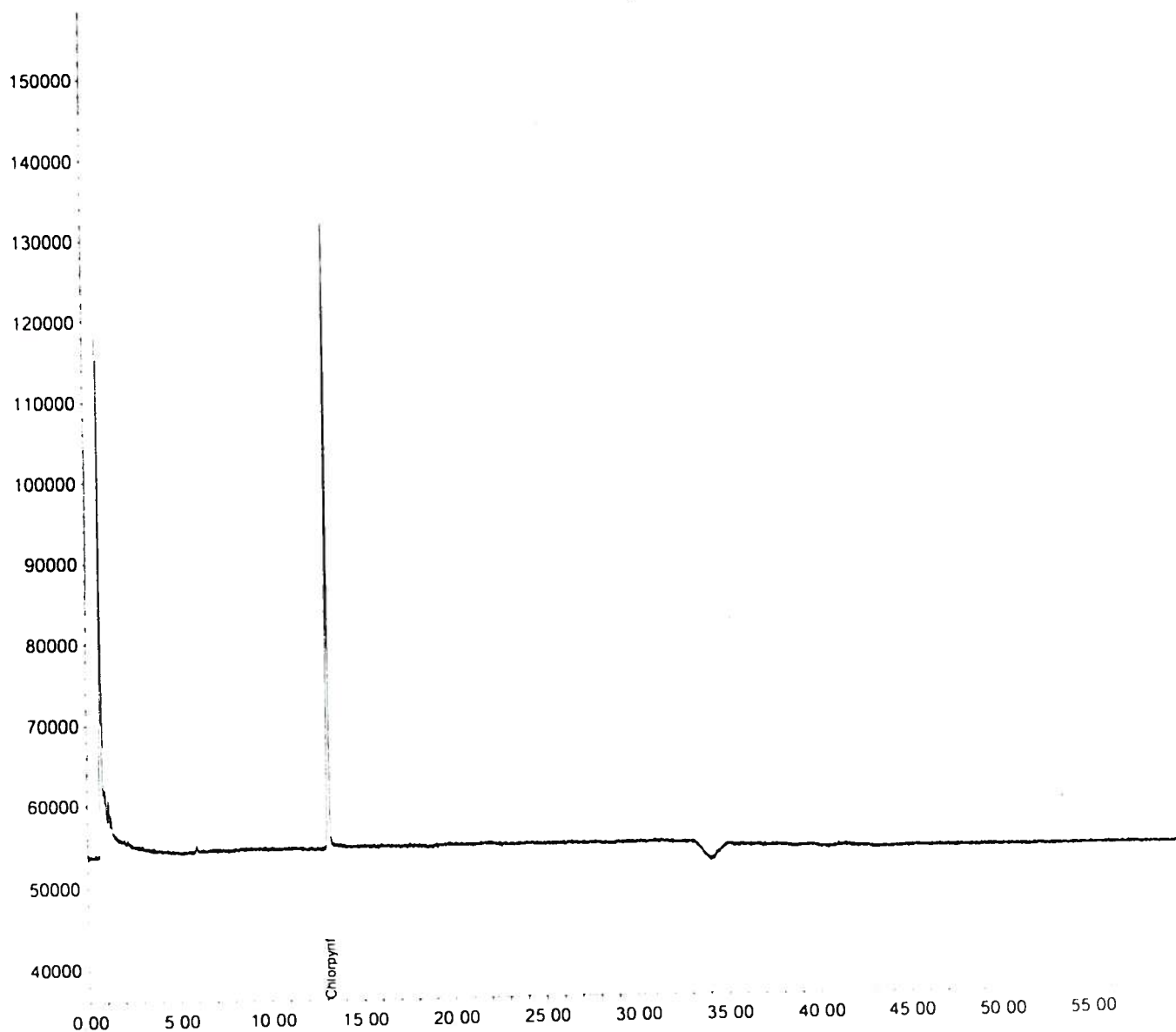
IntFile : events.e

Quant Time: Jul 29 8:52 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55742B.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55742B.D
 Acq On : 29 Jul 99 00:08
 Sample : Hercules Field Blank
 Misc : Collected 07/22/99 @ 1400

Vial: 11
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:52 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.14	4465426	822.746	ppb m
Spiked Amount	1000.000	Recovery	=	82.27%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\BT55743B.D
Acq On : 29 Jul 99 1:32
Sample : Hercules MW-4
Misc : Collected 07/22/99 @ 1615

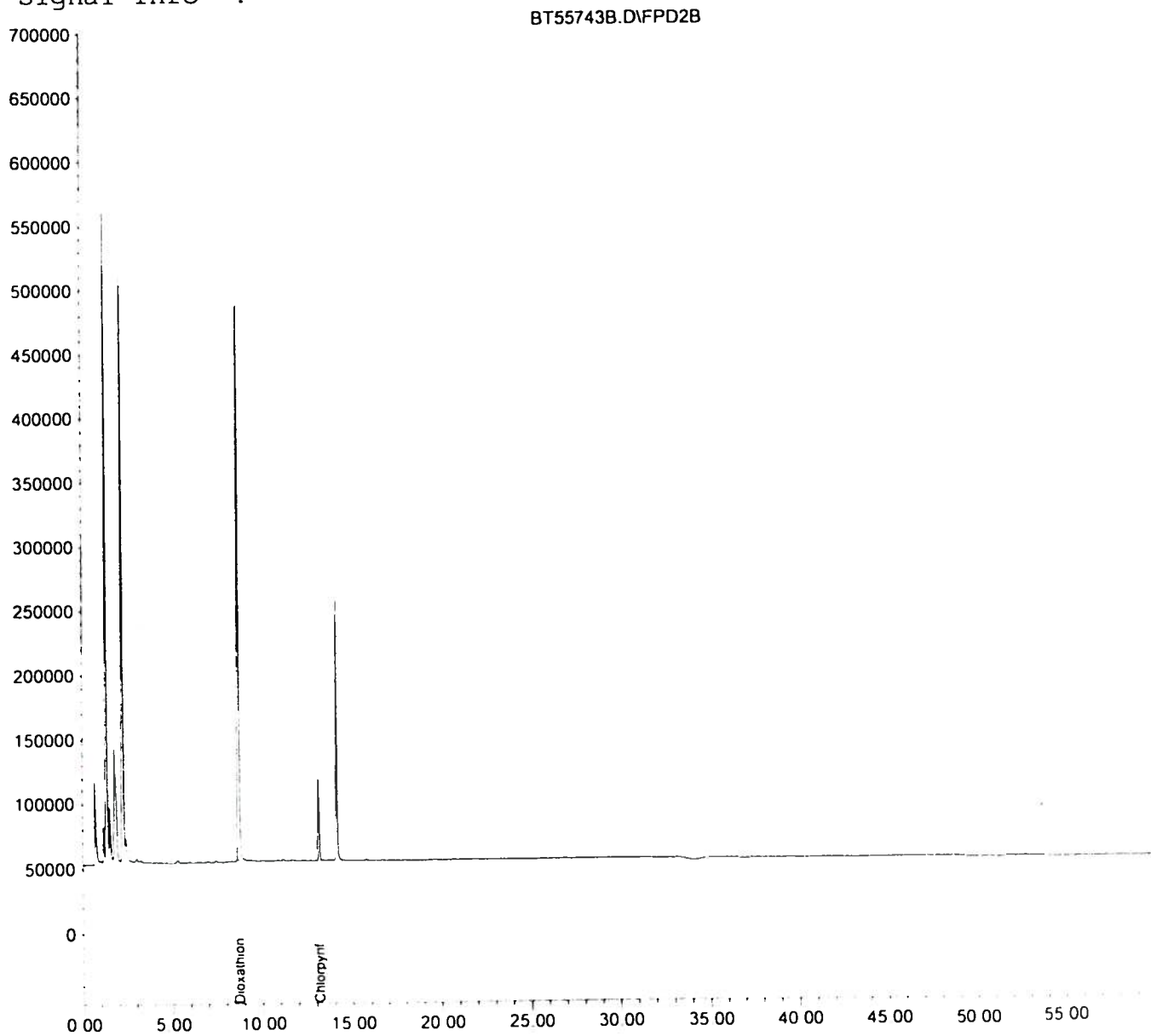
Vial: 12
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:53 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : C:\HPCHEM\1\DATA\072799\BT55743B.D
 Acq On : 29 Jul 99 1:32
 Sample : Hercules MW-4
 Misc : Collected 07/22/99 @ 1615

Vial: 12
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:53 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : INJTEMP.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.15	3728960	687.053	ppb m
Spiked Amount 1000.000		Recovery	= 68.71%	
Target Compounds				
2) T Dioxathion Peak #1	8.71	25924837	1122.409	ppb m
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Data File : C:\HPCHEM\1\DATA\072799\B55743SB.D
Acq On : 29 Jul 99 2:56
Sample : Hercules MW-4 Spike
Misc : Spiked w/ Dioxathion @ 10 ppb

Vial: 13
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

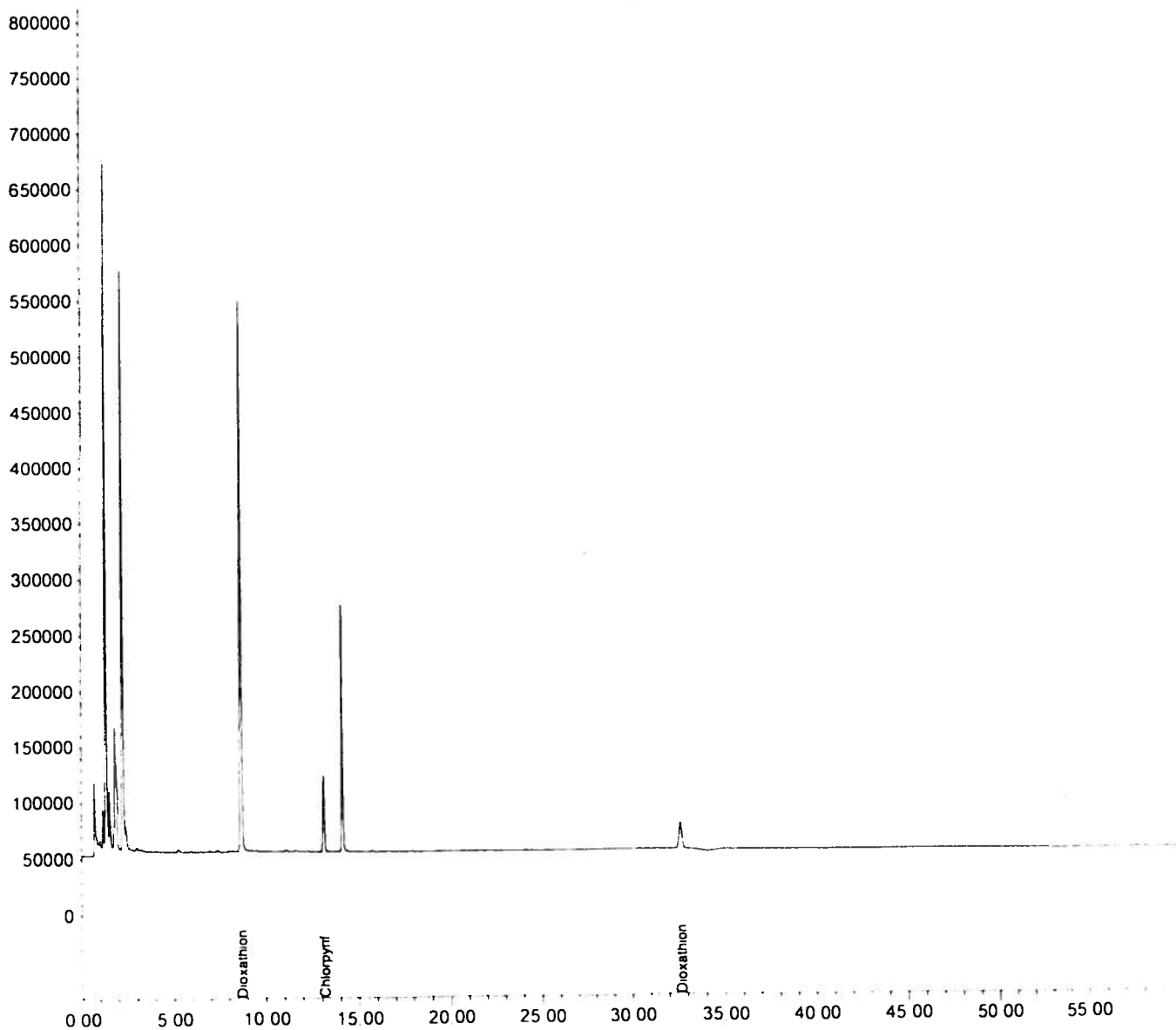
IntFile : events.e

Quant Time: Jul 29 8:54 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

B55743SB.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\B55743SB.D
Acq On : 29 Jul 99 2:56
Sample : Hercules MW-4 Spike
Misc : Spiked w/ Dioxathion @ 10 ppb

Vial: 13
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 29 8:54 1999 Quant Results File: 8141AB.RES

Quant Method : C:\HPCHEM\1\METHODS\8141AB.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : INJTEMP.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.15	4119948	759.092	ppb m
Spiked Amount 1000.000		Recovery	= 75.91%	
Target Compounds				
2) T Dioxathion Peak #1	8.71	29834150	1291.661	ppb m
3) T Dioxathion Peak #2	32.66	2569818	8.699	PPB m

**6C – Raw Data – Chromatograms for Table 2
at 220°C Injection Port**

QA/QC

Data File : C:\HPCHEM\1\DATA\072799\MB072799.D
Acq On : 27 Jul 99 23:50
Sample : Method Blank 072799-1
Misc :

Vial: 7
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

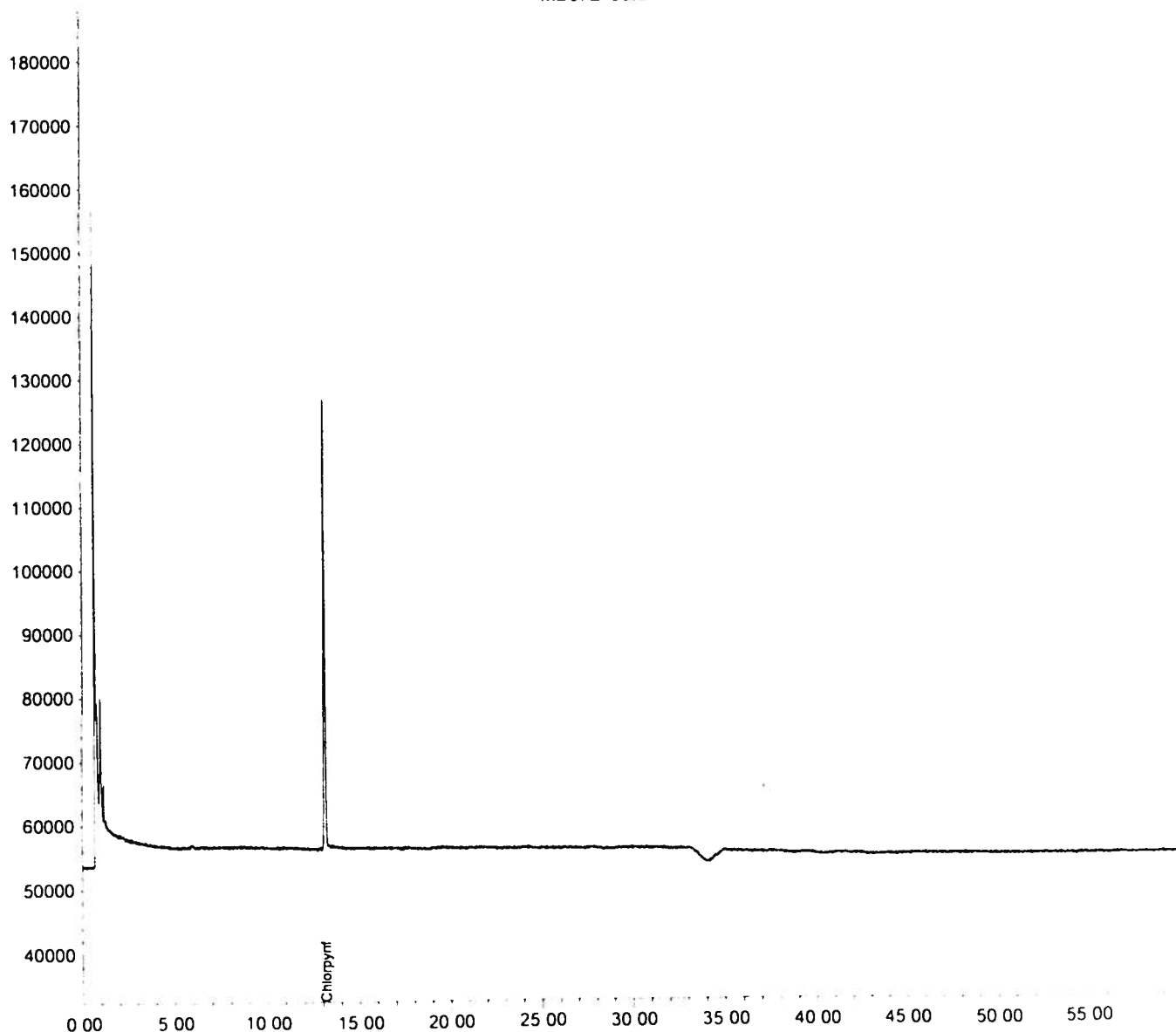
IntFile : events.e

Quant Time: Jul 28 9:32 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

MB072799.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MB072799.D
Acq On : 27 Jul 99 23:50
Sample : Method Blank 072799-1
Misc :

Vial: 7
Operator:
Inst : FPD/FID I
Multiplr: 1.00
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:32 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.17	3780227	741.480 ppb m
Spiked Amount 1000.000		Recovery	= 74.15%
Target Compounds			
2) T Dioxathion Peak #1	0.00	0	N.D. ppb
3) T Dioxathion Peak #2	0.00	0	N.D. PPB

Data File : C:\HPCHEM\1\DATA\072799\MS072799.D
Acq On : 28 Jul 99 00:55
Sample : Matrix Spike 072799-1
Misc :

Vial: 8
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

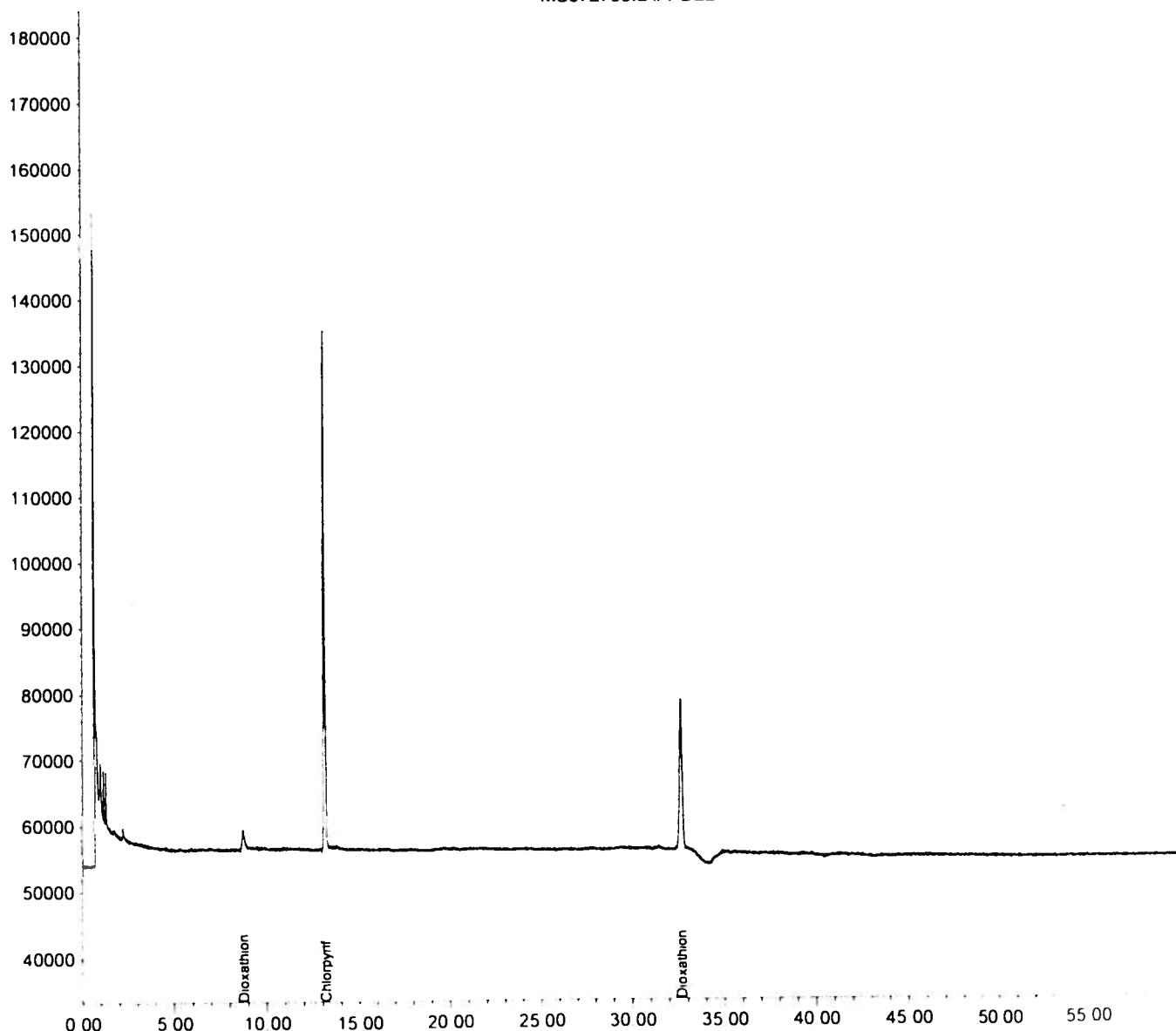
IntFile : events.e

Quant Time: Jul 28 9:33 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

MS072799.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MS072799.D
Acq On : 28 Jul 99 00:55
Sample : Matrix Spike 072799-1
Misc :

Vial: 8
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:33 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.16	4447060	872.277	ppb m
Spiked Amount	1000.000	Recovery	=	87.23%
Target Compounds				
2) T Dioxathion Peak #1	8.75	290229	8.511	ppb m
3) T Dioxathion Peak #2	32.66	2334860	9.158	PPB m

Data File : C:\HPCHEM\1\DATA\072799\MSD0727.D
Acq On : 28 Jul 99 1:59
Sample : Matrix Spike Dup 072799-1
Misc :

Vial: 9
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

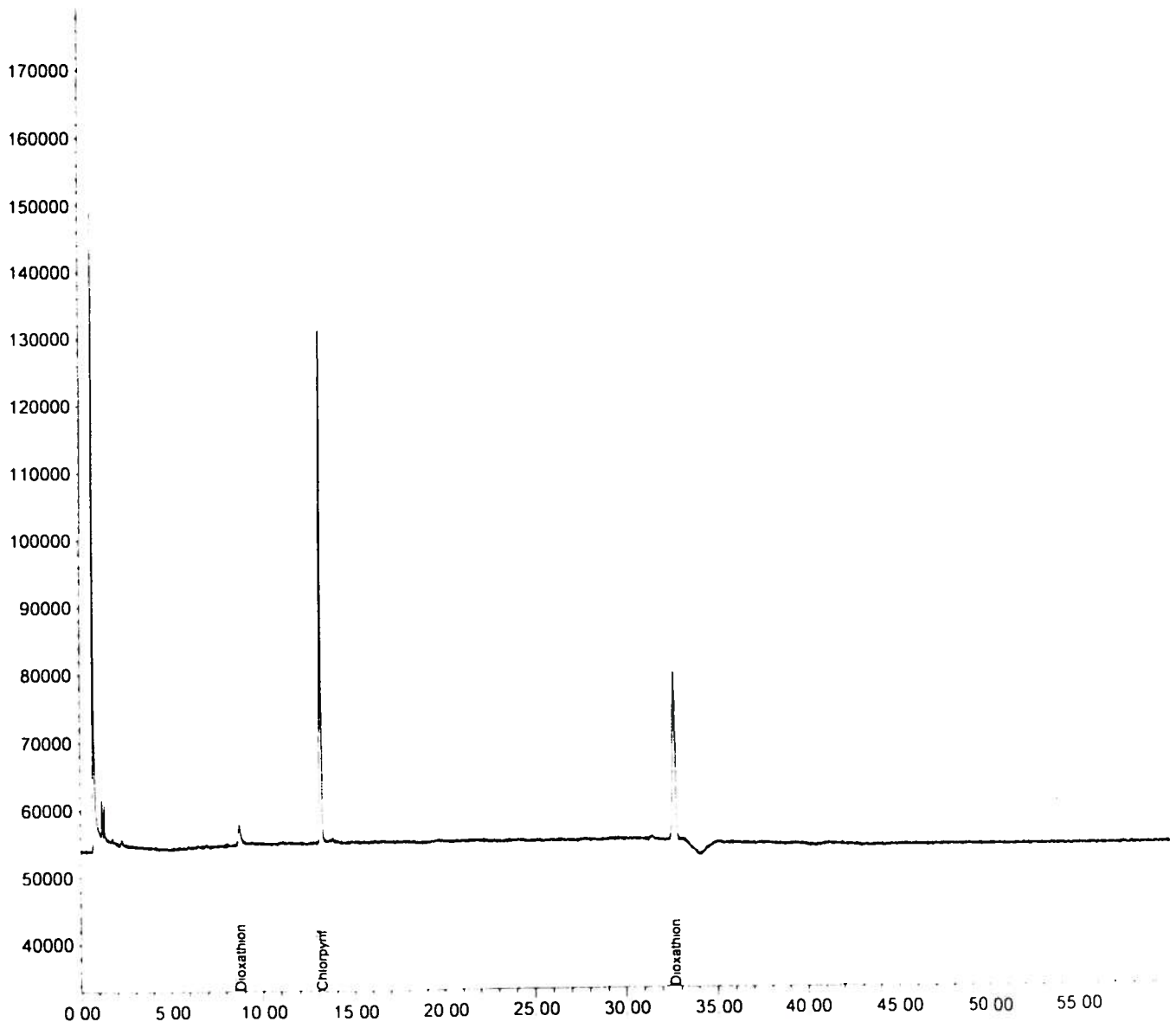
IntFile : events.e

Quant Time: Jul 28 9:34 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

MSD0727.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\MSD0727.D
Acq On : 28 Jul 99 1:59
Sample : Matrix Spike Dup 072799-1
Misc :

Vial: 9
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:34 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.16	4137747	811.606	ppb m
Spiked Amount	1000.000	Recovery	=	81.16%
Target Compounds				
2) T Dioxathion Peak #1	8.76	287473	8.430	ppb m
3) T Dioxathion Peak #2	32.65	2530033	9.924	PPB m

**6C – Raw Data – Chromatograms for Table 2
at 220°C Injection Port**

HERCULES DATA

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\BT55741.D
Acq On : 28 Jul 99 3:03
Sample : Hercules Trip Blank
Misc : Collected 07/22/99 @ 1010

Vial: 10
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

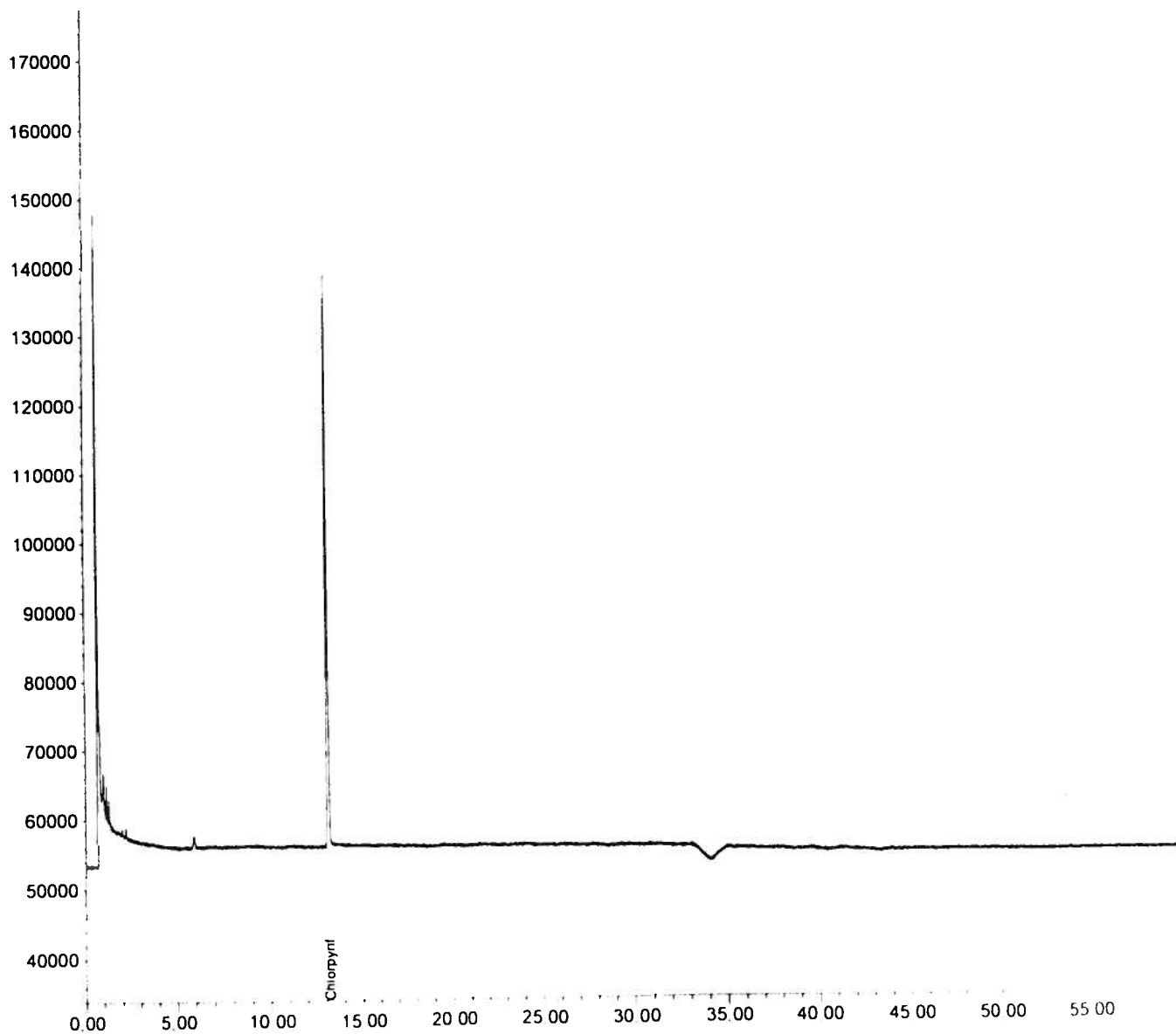
IntFile : events.e

Quant Time: Jul 28 9:18 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55741.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55741.D
Acq On : 28 Jul 99 3:03
Sample : Hercules Trip Blank
Misc : Collected 07/22/99 @ 1010

Vial: 10
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:18 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Initial Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.17	4582008	898.747	ppb m
Spiked Amount	1000.000	Recovery	=	89.87%
Target Compounds				
2) T Dioxathion Peak #1	0.00	0	N.D.	ppb
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Quantitation Report

Data File : C:\HPCHEM\1\DATA\072799\BT55742.D
Acq On : 28 Jul 99 4:07
Sample : Hercules Field Blank
Misc : Collected 07/22/99 @ 1400

Vial: 11
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

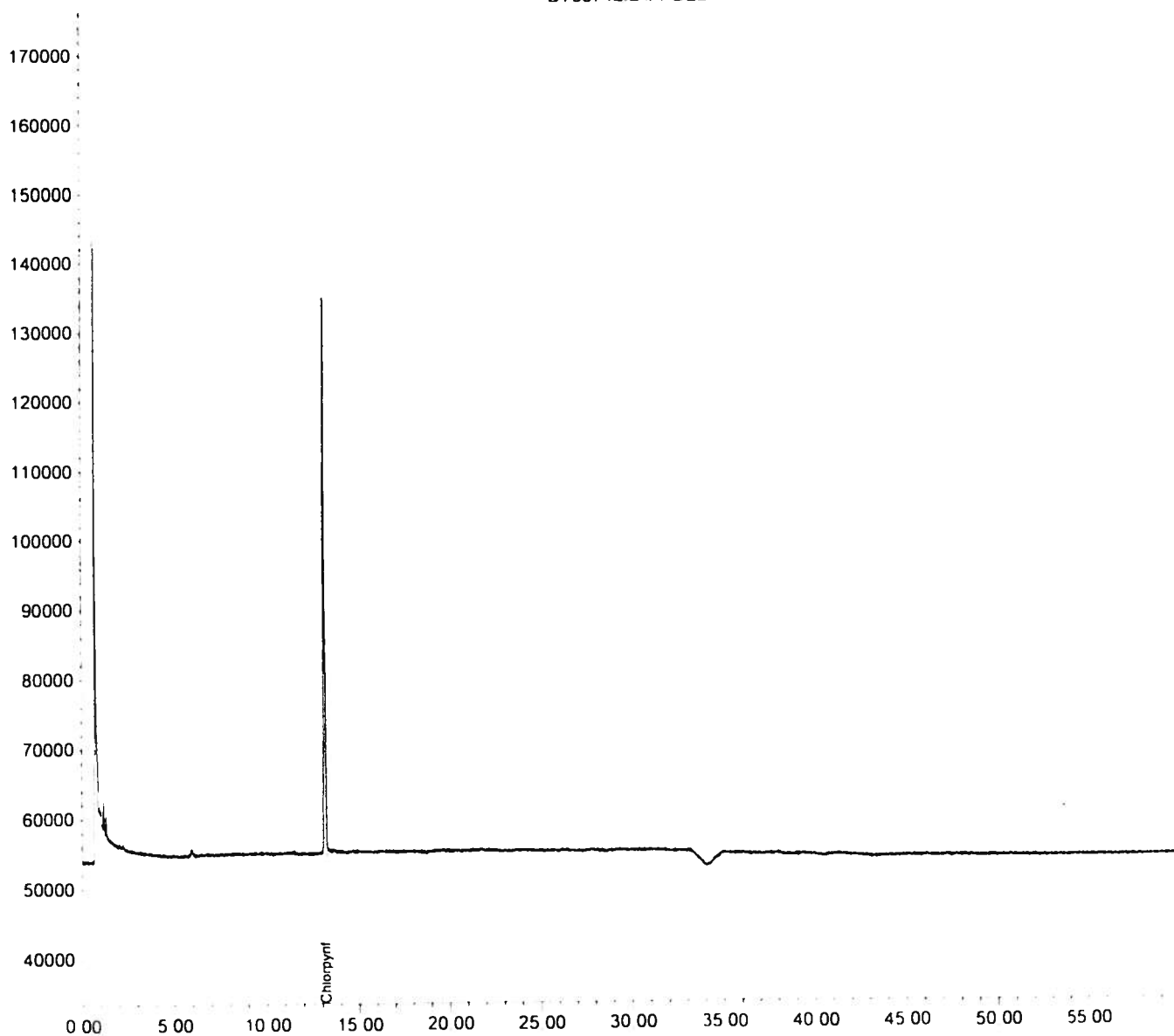
IntFile : events.e

Quant Time: Jul 28 9:20 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55742.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55742.D
 Acq On : 28 Jul 99 4:07
 Sample : Hercules Field Blank
 Misc : Collected 07/22/99 @ 1400

Vial: 11
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:20 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.16	4386597	860.417 ppb m
Spiked Amount 1000.000		Recovery	= 86.04%
Target Compounds			
2) T Dioxathion Peak #1	0.00	0	N.D. ppb
3) T Dioxathion Peak #2	0.00	0	N.D. PPB

Data File : C:\HPCHEM\1\DATA\072799\BT55743.D
Acq On : 28 Jul 99 5:11
Sample : Hercules MW-4
Misc : Collected 07/22/99 @ 1615

Vial: 12
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

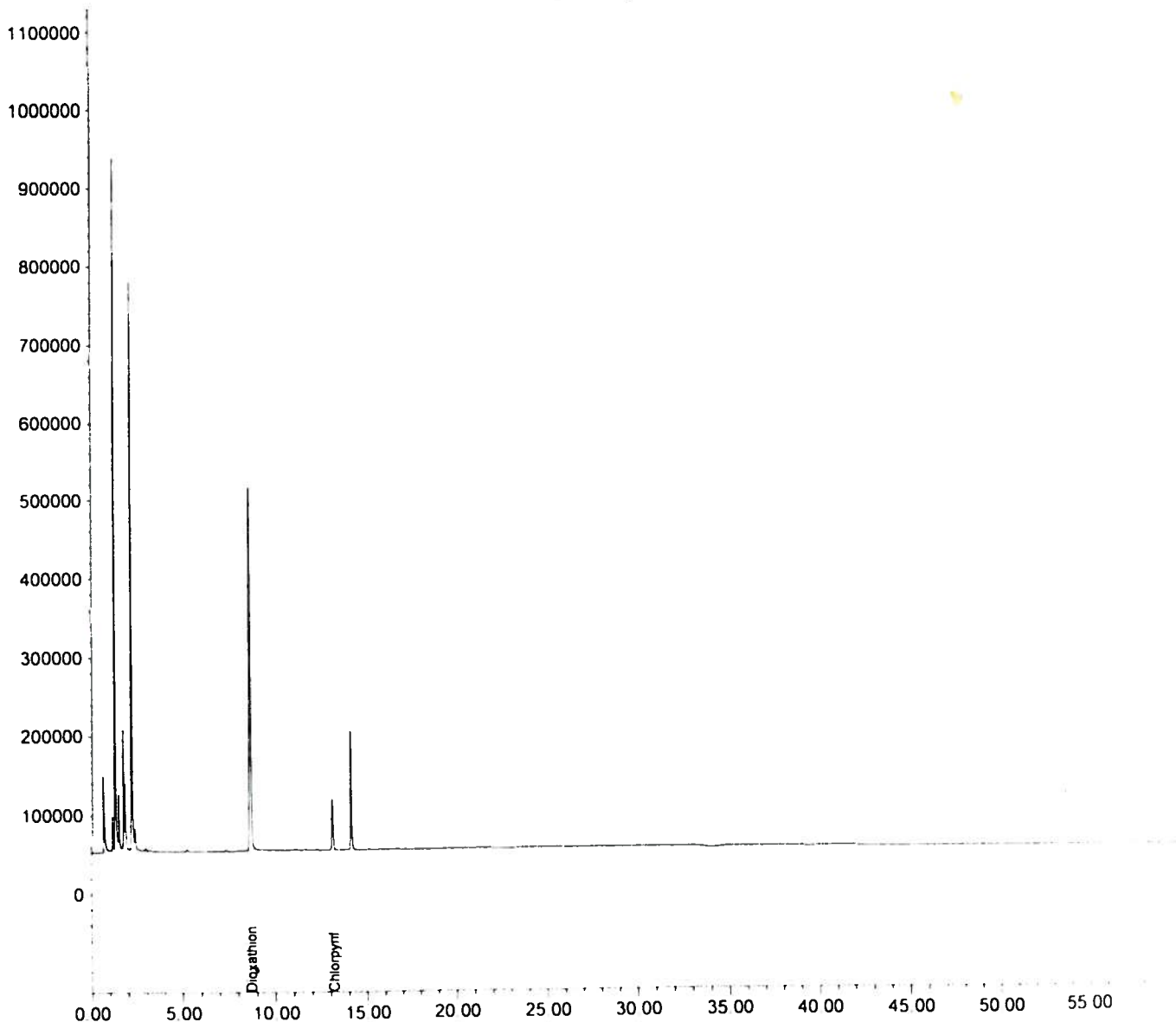
IntFile : events.e

Quant Time: Jul 28 9:22 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55743.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55743.D
 Acq On : 28 Jul 99 5:11
 Sample : Hercules MW-4
 Misc : Collected 07/22/99 @ 1615

Vial: 12
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:22 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.16	3639118	713.802	ppb m
Spiked Amount 1000.000		Recovery	= 71.38%	
Target Compounds				
2) T Dioxathion Peak #1	8.71	25612299	751.049	ppb m
3) T Dioxathion Peak #2	0.00	0	N.D.	PPB

Data File : C:\HPCHEM\1\DATA\072799\BT55743S.D
Acq On : 28 Jul 99 6:15
Sample : Hercules MW-4 Spike
Misc : Spiked w/ Dioxathion @ 10 ppb

Vial: 13
Operator:
Inst : FPD/FID I
Multiplr: 0.01
Sample Amount: 0.00

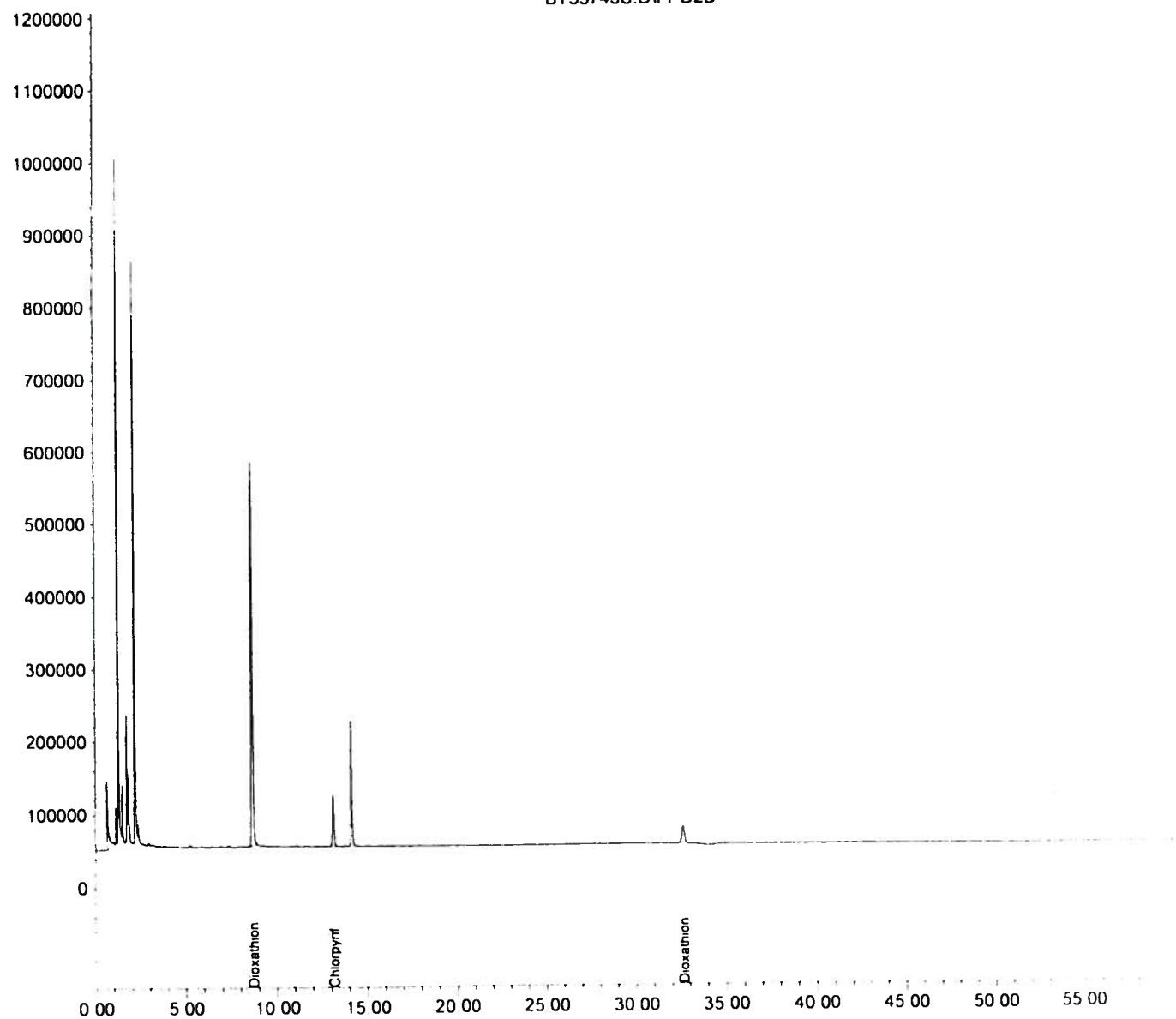
IntFile : events.e

Quant Time: Jul 28 9:31 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
Title :
Last Update : Wed Jul 28 09:17:49 1999
Response via : Multiple Level Calibration
DataAcq Meth : STATE.M

Volume Inj. :
Signal Phase :
Signal Info :

BT55743S.D\FPD2B



Data File : C:\HPCHEM\1\DATA\072799\BT55743S.D
 Acq On : 28 Jul 99 6:15
 Sample : Hercules MW-4 Spike
 Misc : Spiked w/ Dioxathion @ 10 ppb

Vial: 13
 Operator:
 Inst : FPD/FID I
 Multiplr: 0.01
 Sample Amount: 0.00

IntFile : events.e

Quant Time: Jul 28 9:31 1999 Quant Results File: 8141A.RES

Quant Method : C:\HPCHEM\1\METHODS\8141A.M (Chemstation Integrator)
 Title :
 Last Update : Wed Jul 28 09:17:49 1999
 Response via : Initial Calibration
 DataAcq Meth : STATE.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.17	3957297	776.212	ppb m
Spiked Amount 1000.000		Recovery	= 77.62%	
Target Compounds				
2) T Dioxathion Peak #1	8.72	29148836	854.754	ppb m
3) T Dioxathion Peak #2	32.66	2322462	9.110	PPB m