

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
 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

Data File : C:\HPCHEM\1\DATA\072799\CC3.D
Acq On : 27 Jul 99 20:38
Sample : Calibration Curve 07/27/99
Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees

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

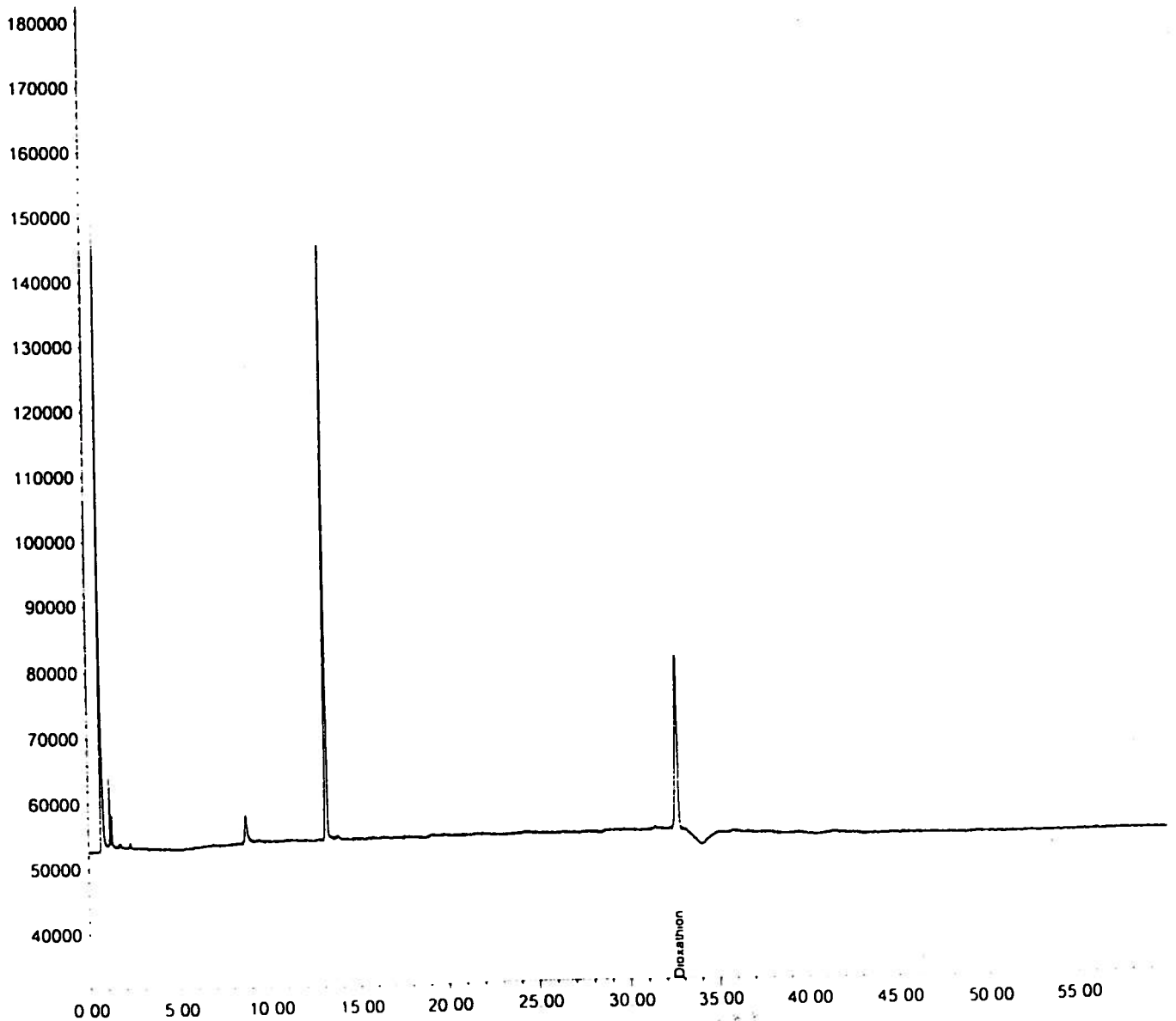
IntFile : events.e

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 :

* * CC3.D\FPD2B



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
 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/FII
Misc : Diox @ 500ppb; Chlor @ 1 ppm; 220 degree Multiplr: 1.00
Sample Amount: 0.00

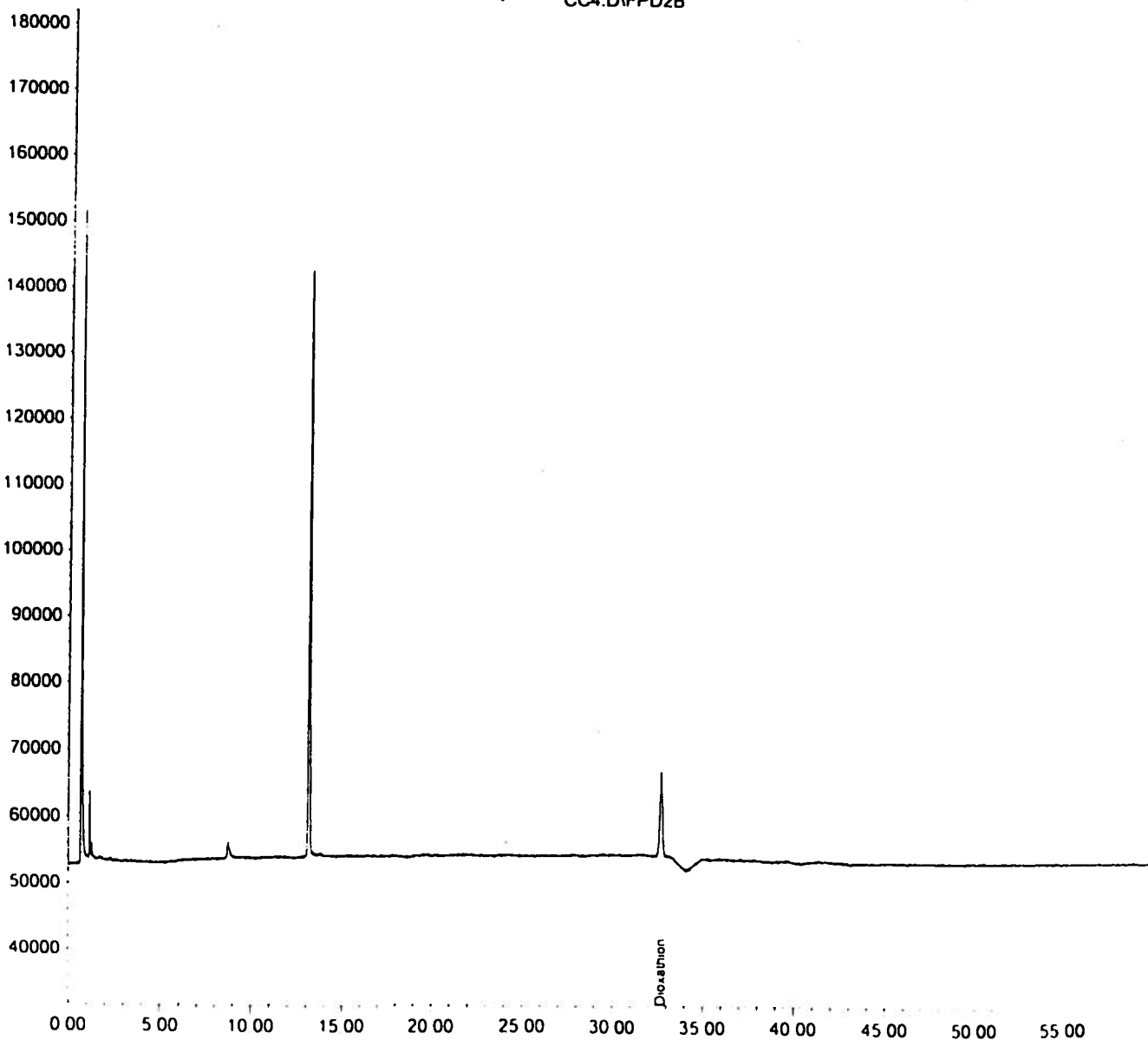
IntFile : events.e

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
 Misc : Diox @ 500ppb; Chlor @ 1 ppm; 220 degré 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

Quantitation Report

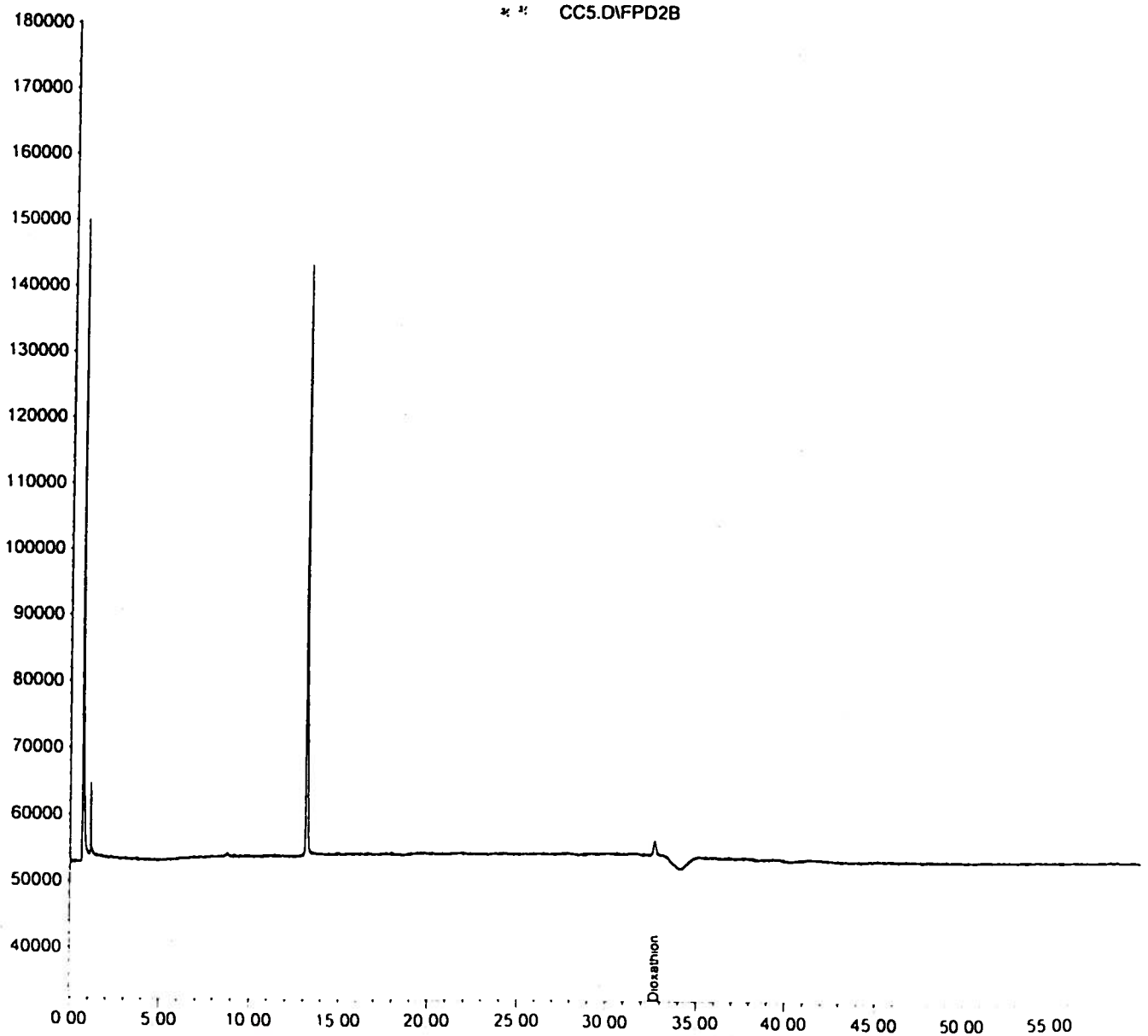
Data File : C:\HPCHEM\1\DATA\072799\CC5.D
Acq On : 27 Jul 99 18:30
Sample : Calibration Curve 07/27/99
Misc : Diox @ 100ppb; Chlor @ 1ppm; 220 degrees
IntFile : events.e

Vial: 2
Operator:
Inst : FPD/FID
Multiplr: 1.00
Sample Amount: 0.00

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
 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

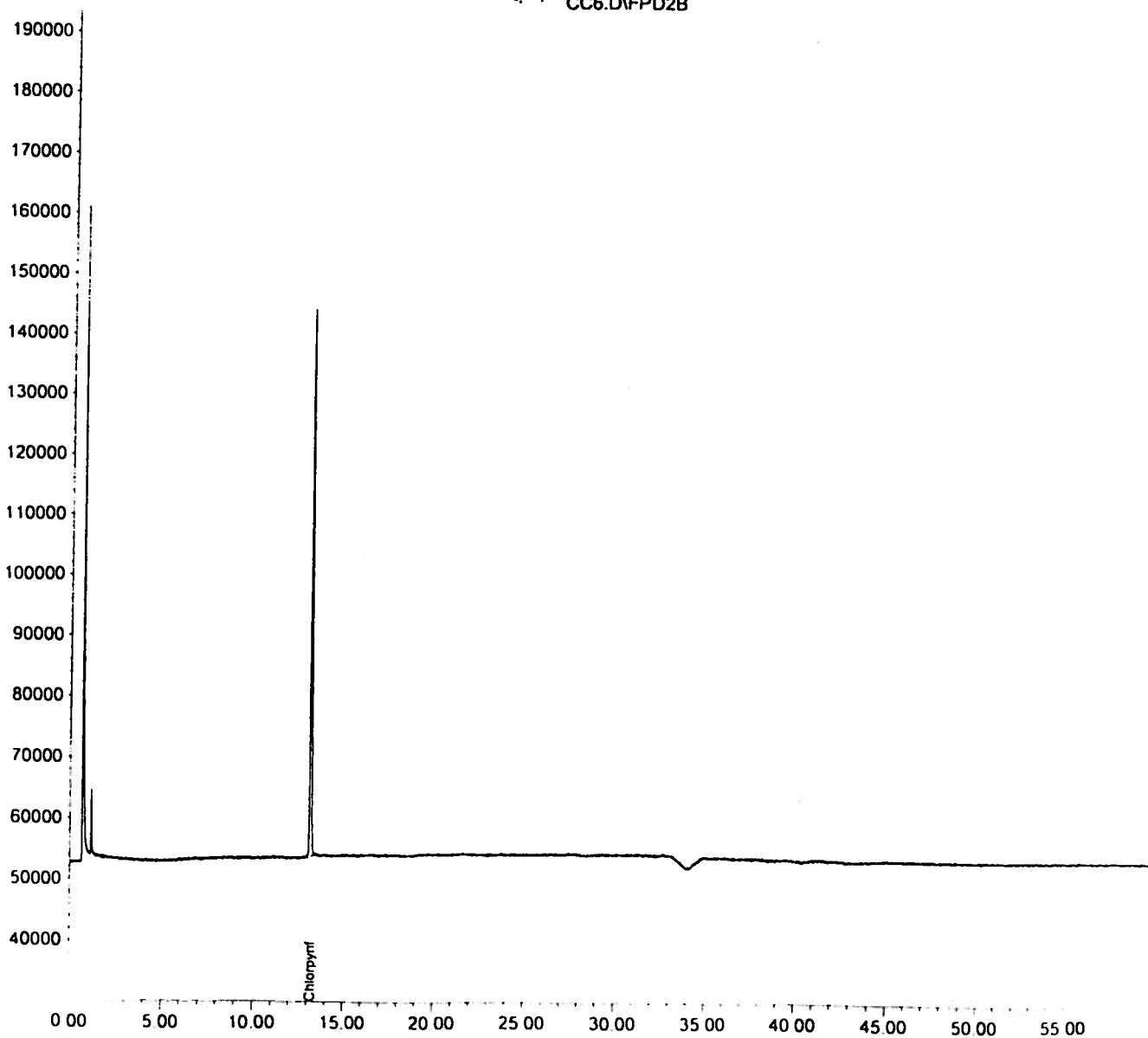
Data File : C:\HPCHEM\1\DATA\072799\CC6.D
Acq On : 27 Jul 99 17:26
Sample : Calibration Curve 07/27/99
Misc : Diox @ 10ppb; Chlor @ 1ppm; 220 degrees
Vial: 1
Operator:
Inst : FPD/FID
Multiplr: 0.01
Sample Amount: 0.00
IntFile : events.e

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 :

* * CC6.D\FPD2B



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
 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

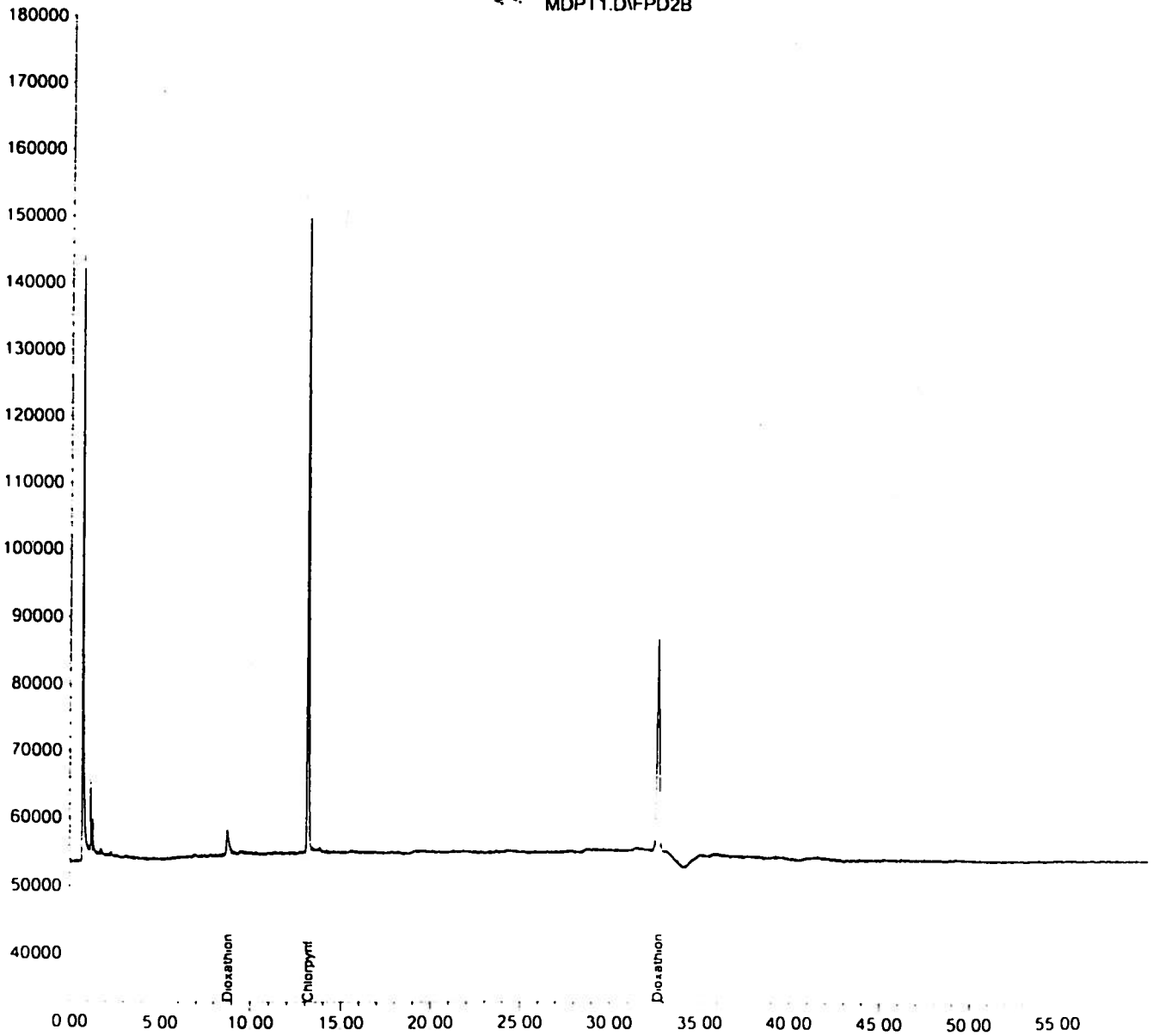
Data File : C:\HPCHEM\1\DATA\072799\MDPT1.D Vial: 4
Acq On : 28 Jul 99 7:19 Operator:
Sample : Calibration Curve 07/27/99 Inst : FPD/FID
Misc : Dio x @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
Sample Amount: 0.00
IntFile : events.e

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 :

* * MDPT1.D\FPD2B



Quantitation Report (QT Reviewed)

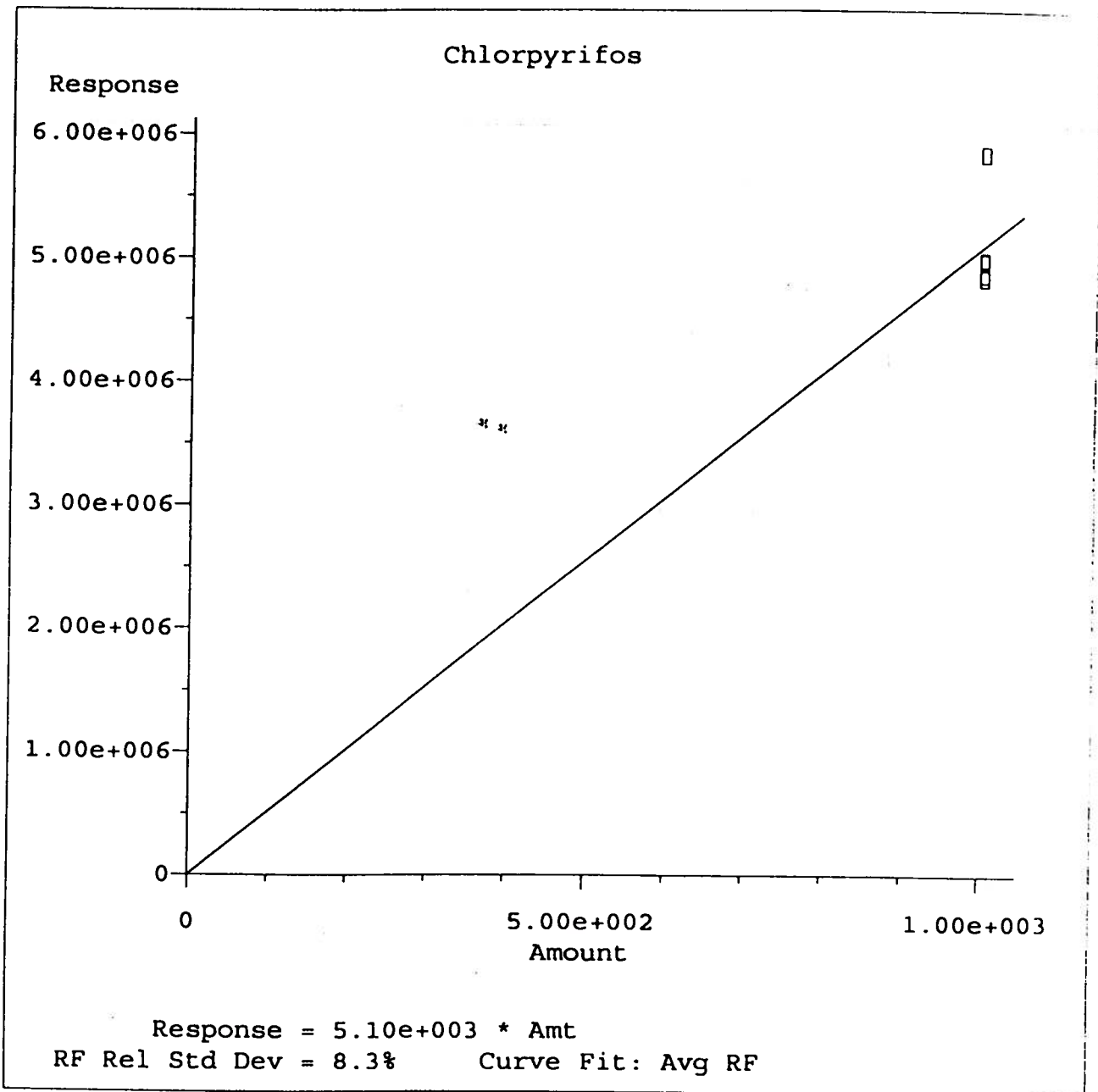
Data File : C:\HPCHEM\1\DATA\072799\MDPT1.D Vial: 4
 Acq On : 28 Jul 99 7:19 Operator:
 Sample : Calibration Curve 07/27/99 Inst : FPD/FID
 Misc : Diox @ 1ppm; Chlor @ 1ppm; 220 degrees Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

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 : Initial Calibration
 DataAcq Meth : STATE.M

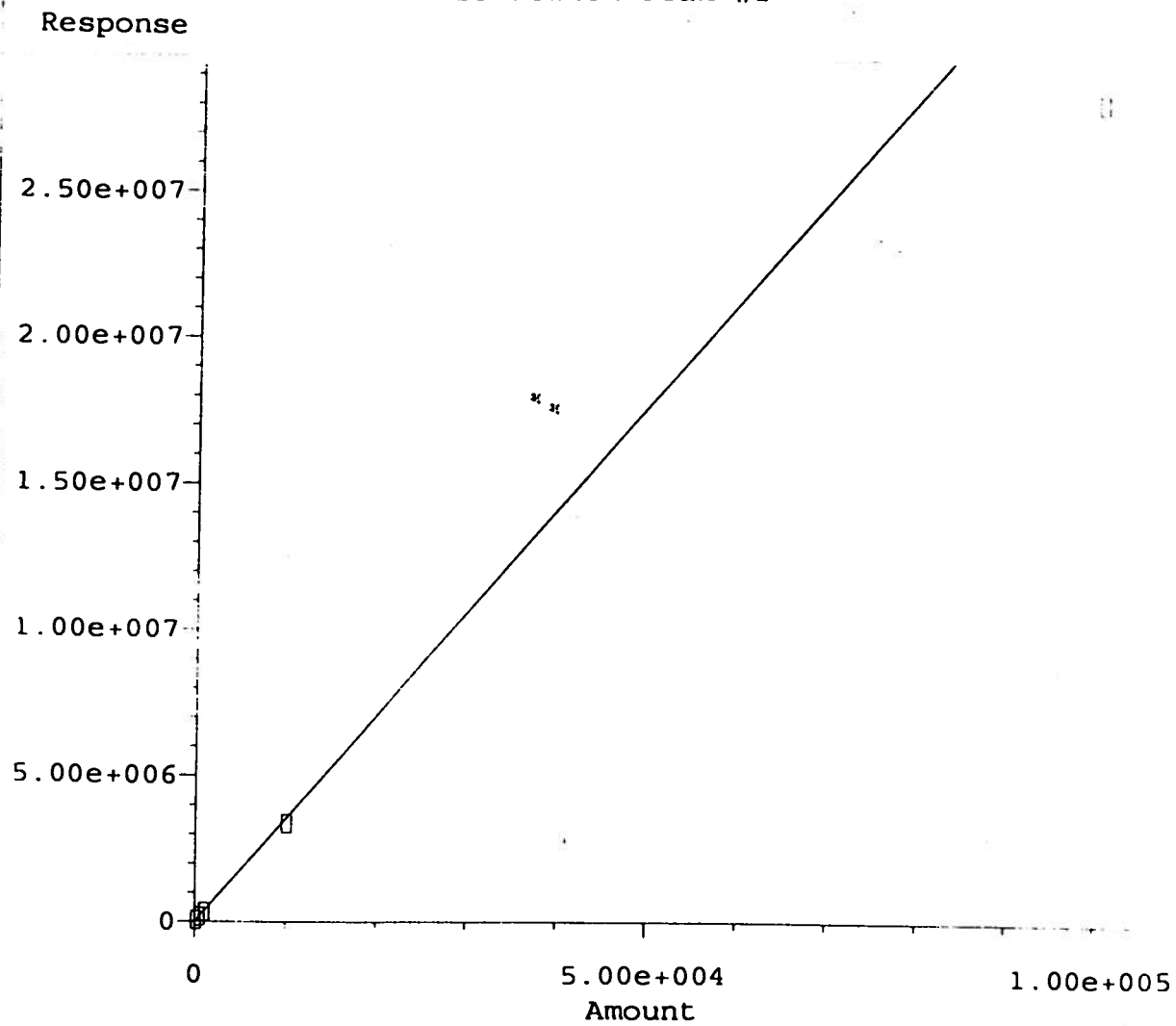
Volume Inj. :
 Signal Phase :
 Signal Info :

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

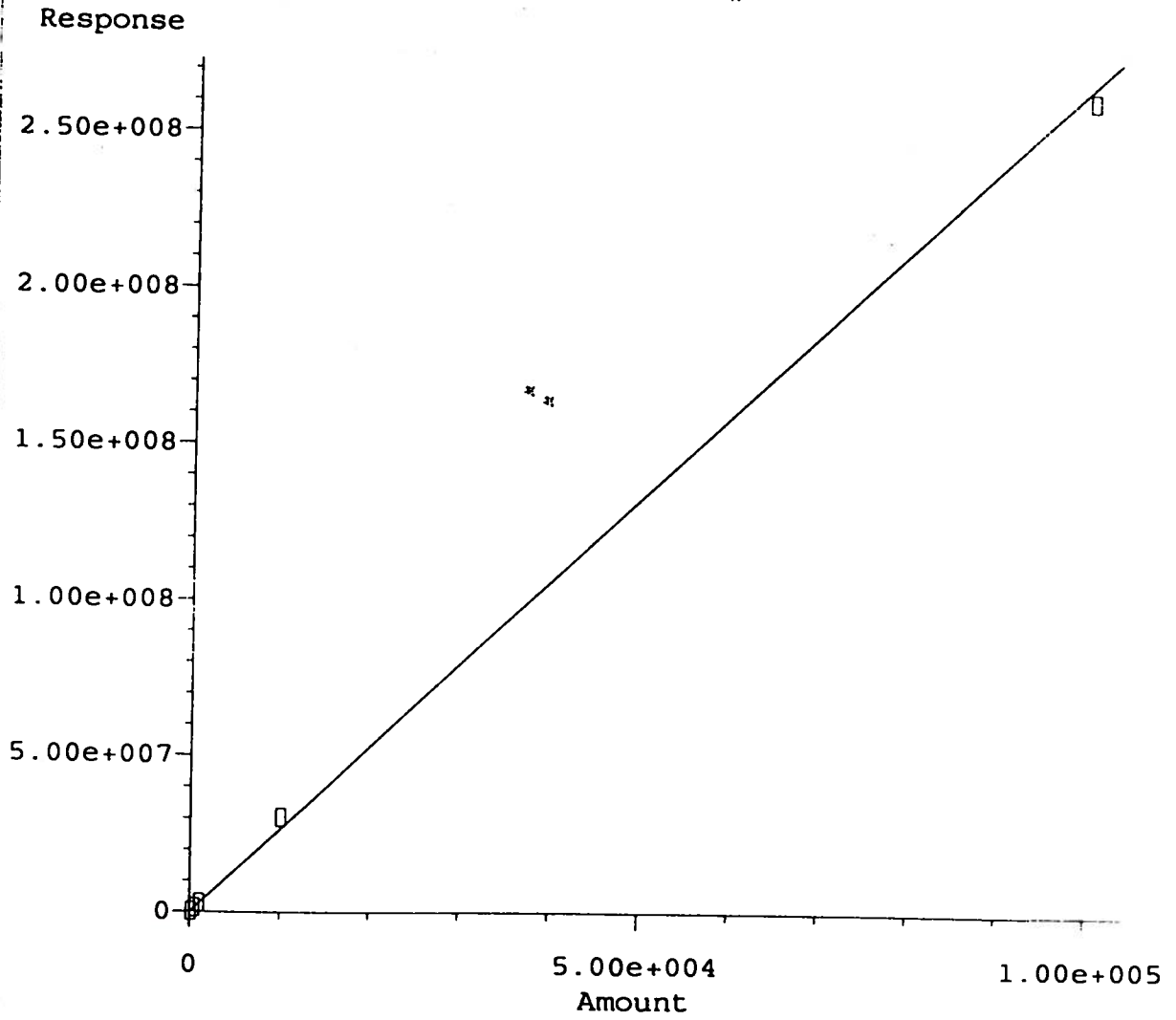
Dioxathion Peak #1



Response = 3.55e+002 * Amt
RF Rel Std Dev = 22.0% Curve Fit: Avg RF

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

Dioxathion Peak #2



Response = 2.65e+003 * Amt
RF Rel Std Dev = 12.9% Curve Fit: Avg RF

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		Dioxathion											
	140°	220°	Chlorpyrifos Area 220°	PPB 220°	8:71 Peak Area 220°	PPB 220°	32:66 Peak Area 220°	PPB 220°	32:66 Peak Area 220°	8:71 Peak Area 220°	PPB 220°	32:66 Peak Area 220°	PPB 220°	
Method Blank	76.22	74.15	3,780,227	741	0	0	0	0	0	0	0	0	0	
Matrix Spike	81.95	87.23	4,447,060	872	290,229	8.51	2,505,575	8.50	2,334,860	287,473	8.43	2,530,033	9.16	
Matrix Spike Dup.	80.56	81.16	4,137,747	812	0	0	0	0	0	0	0	0	0	
Upper Blank	85.04	89.87	4,582,008	899	0	0	0	0	0	0	0	0	0	
Equipment Blank	82.27	86.04	4,386,597	860	0	0	0	0	0	0	0	0	0	
Blk 55/43	68.71	71.38	3,639,118	714	25,612,299	751	0	0	0	0	0	0	0	
Blk 55/43 Spike	75.91	77.62	3,957,297	776	29,148,836	855	2,530,033	8.50	2,322,462	287,473	8.43	2,530,033	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
Multiplr: 1.00
Sample Amount: 0.00

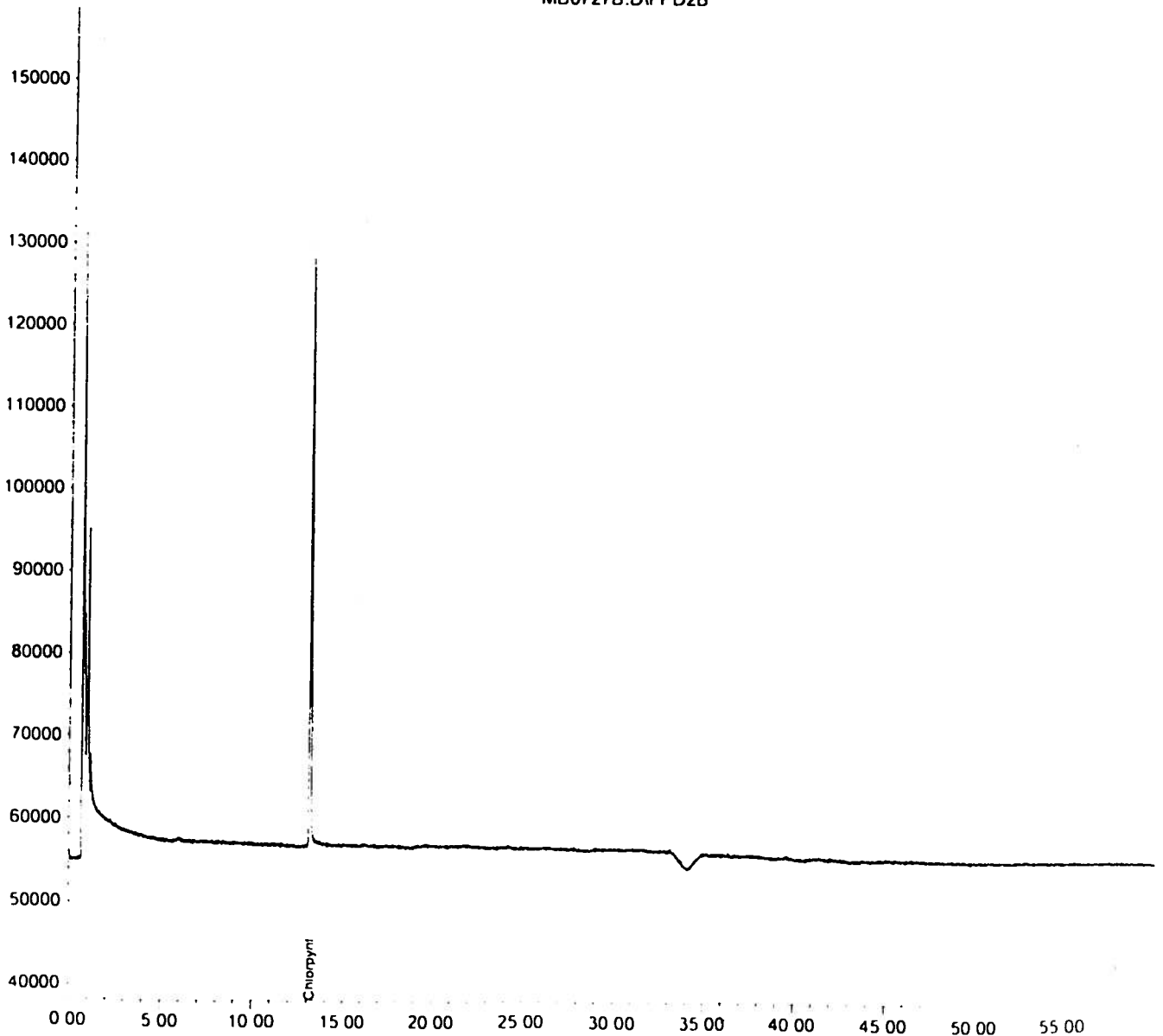
IntFile : events.e

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
 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
Multiplr: 0.01
Sample Amount: 0.00

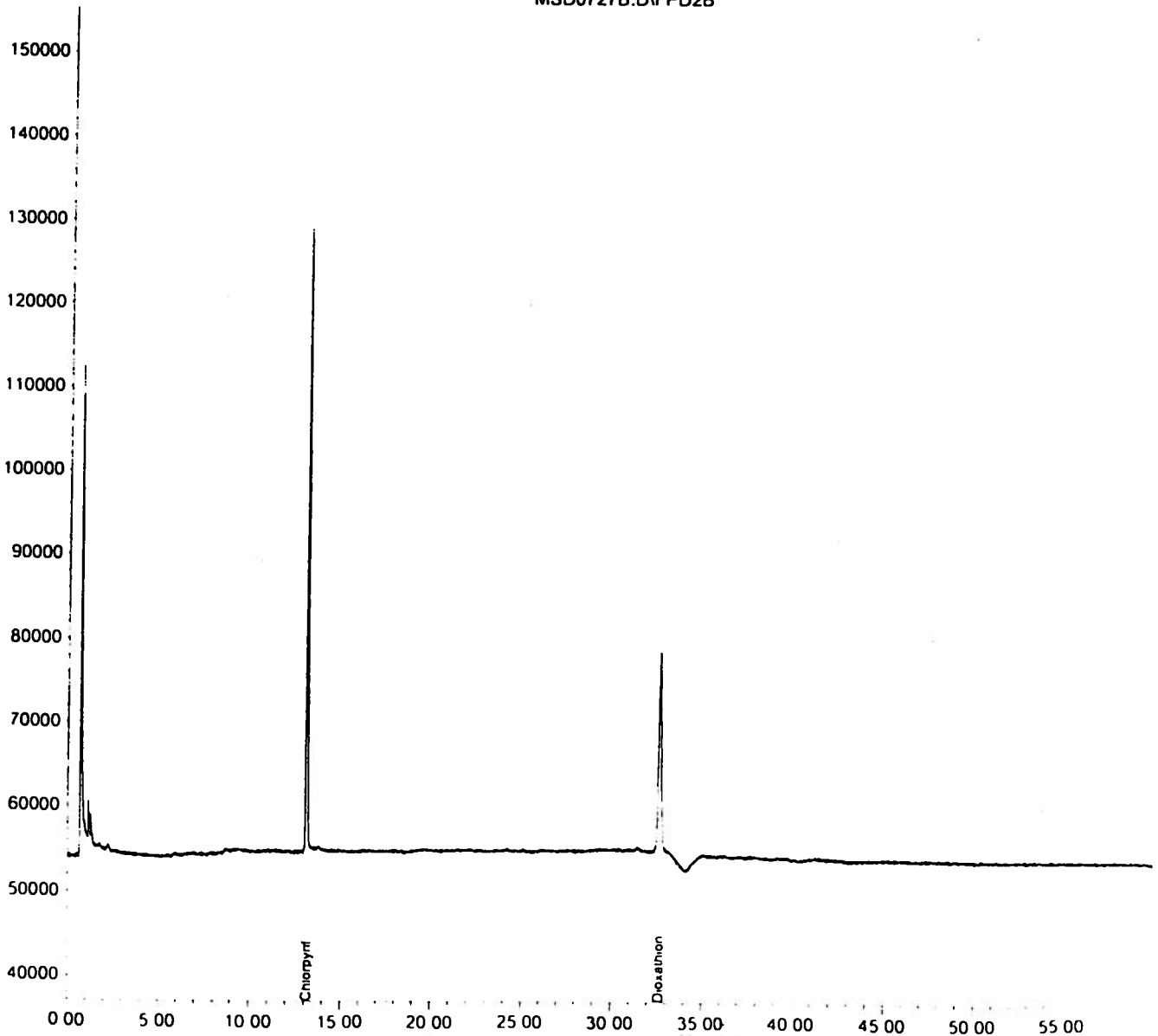
IntFile : events.e

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
 Acq On : 28 Jul 99 21:18
 Sample : Matrix Spike Dup 072799-1
 Misc :

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

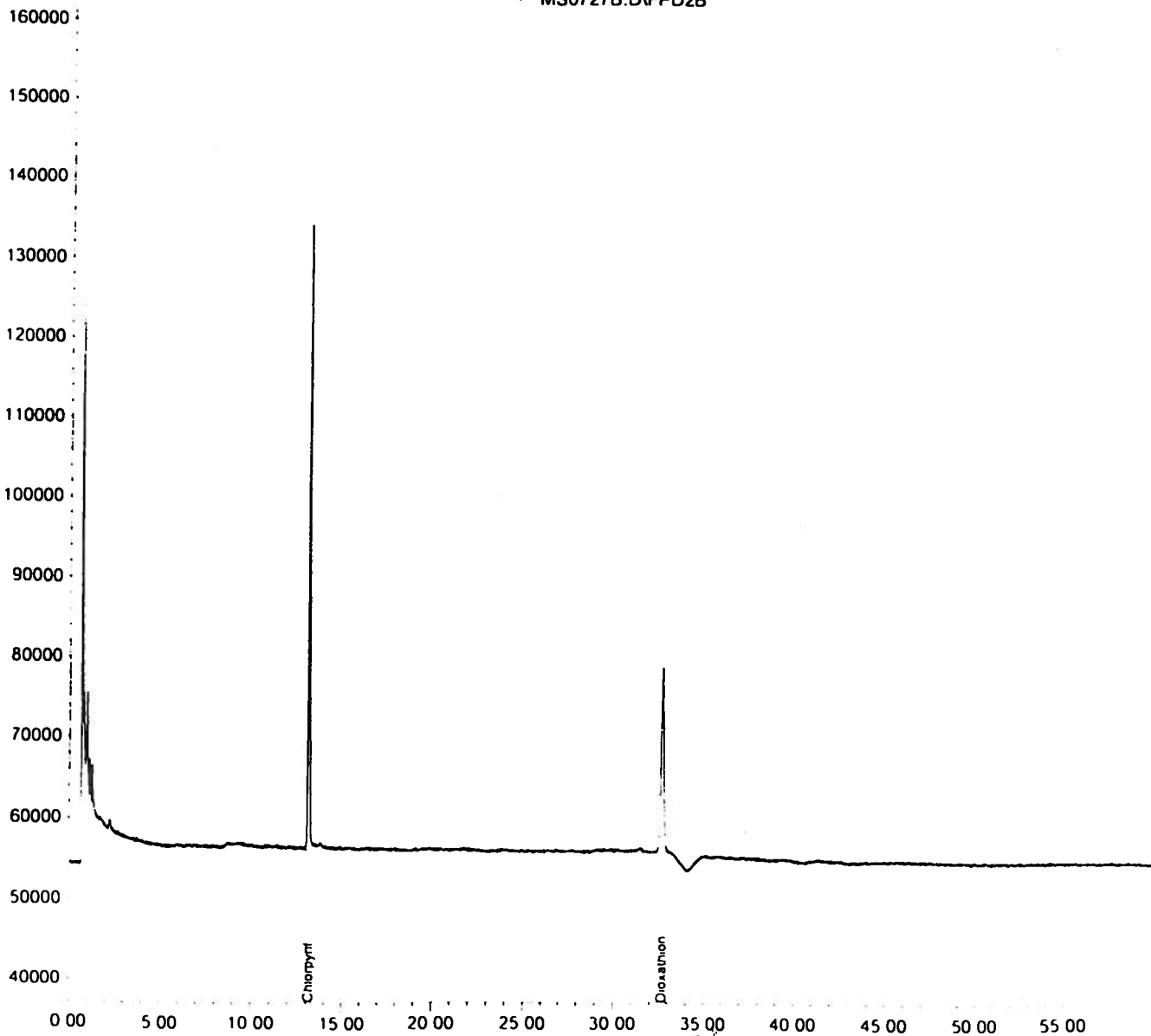
IntFile : events.e

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 :

* * MS0727B.D\FPD2B



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
 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
Multiplr: 0.01
Sample Amount: 0.00

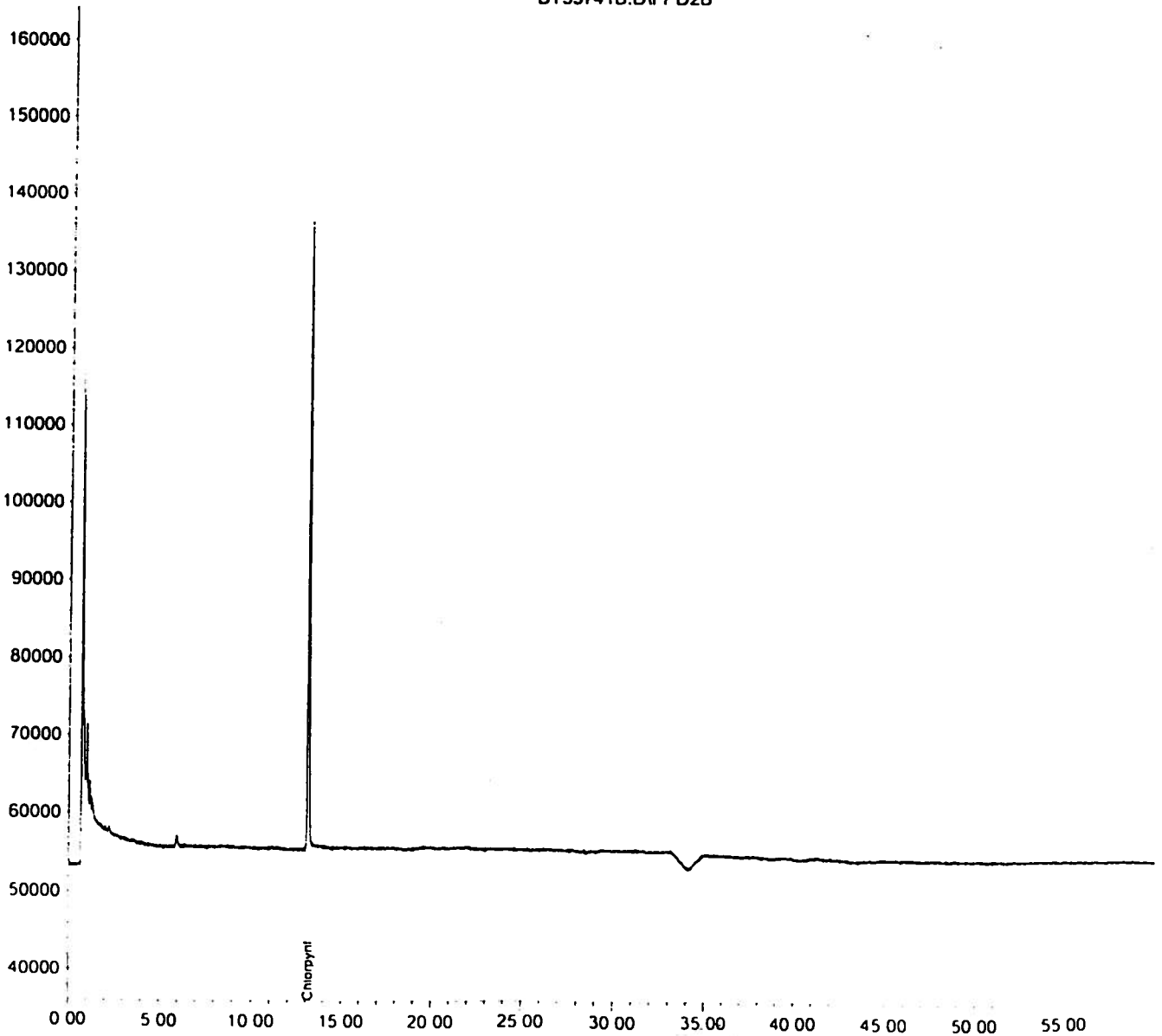
IntFile : events.e

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
 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

Quantitation Report

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

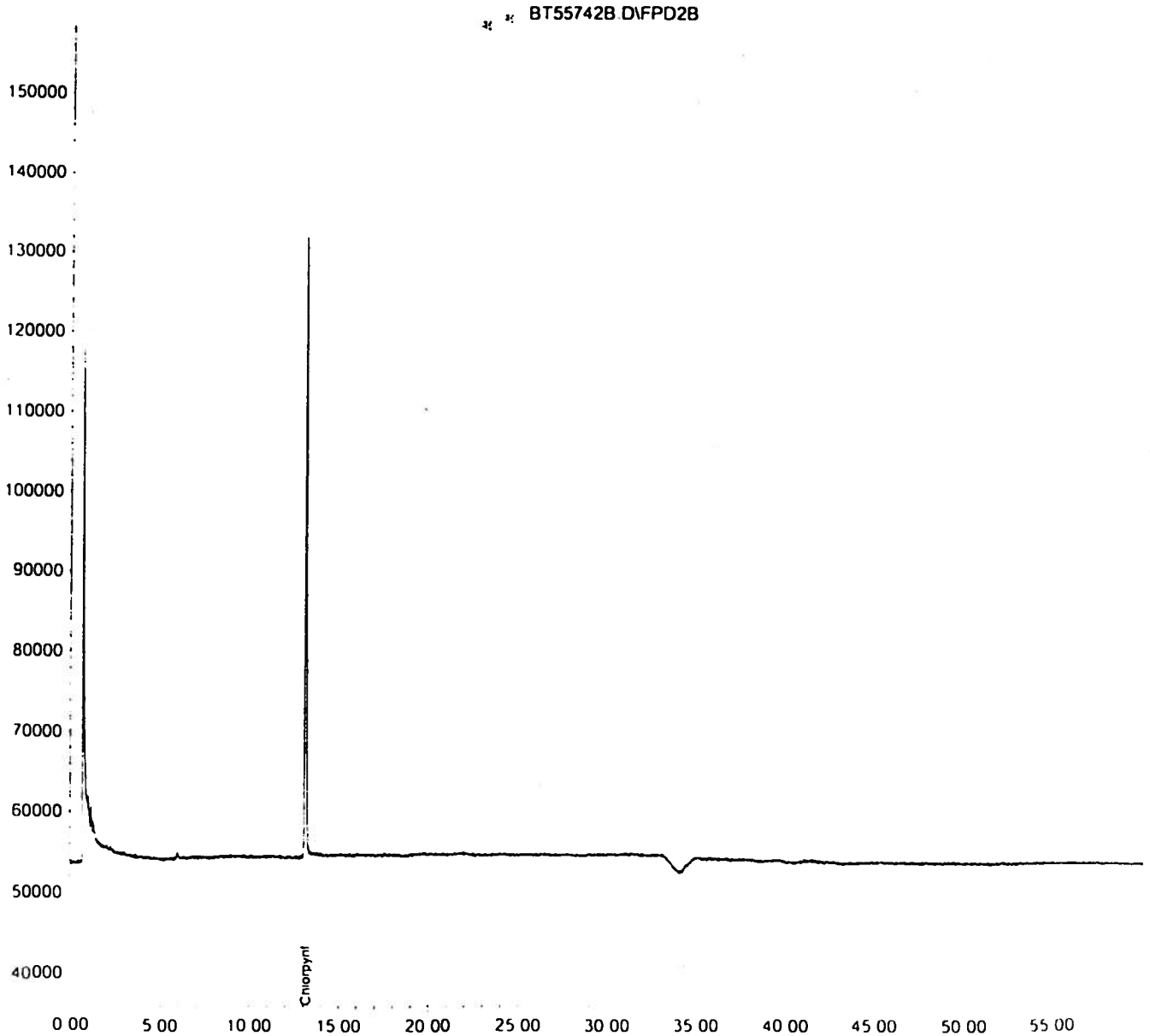
Vial: 11
Operator:
Inst : FPD/FII
Multiplr: 0.01
Sample Amount: 0.00

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 :



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
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

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

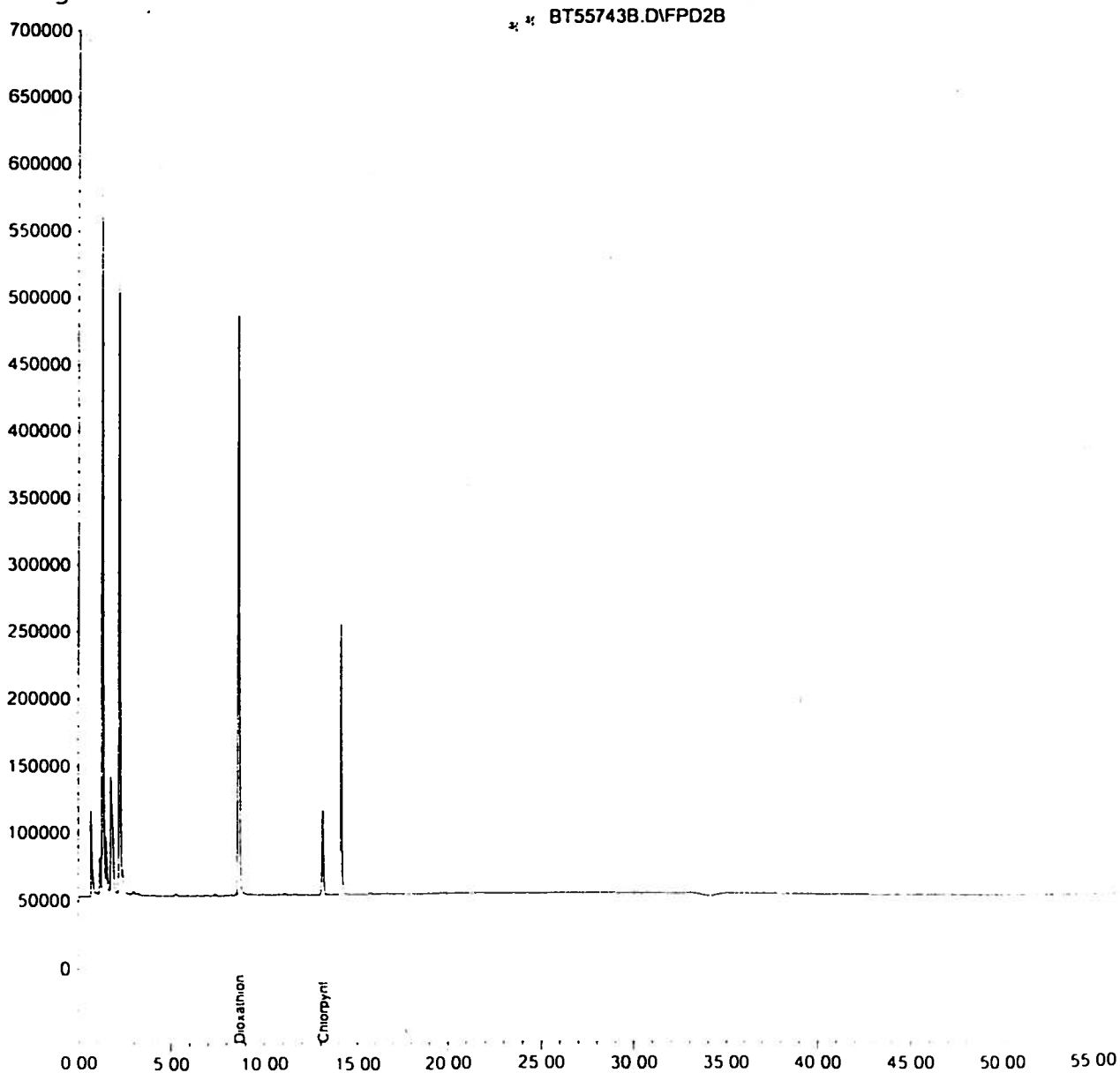
Vial: 12
Operator:
Inst : FPD/FID
Multiplr: 0.01
Sample Amount: 0.00

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
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
Multiplr: 0.01
Sample Amount: 0.00

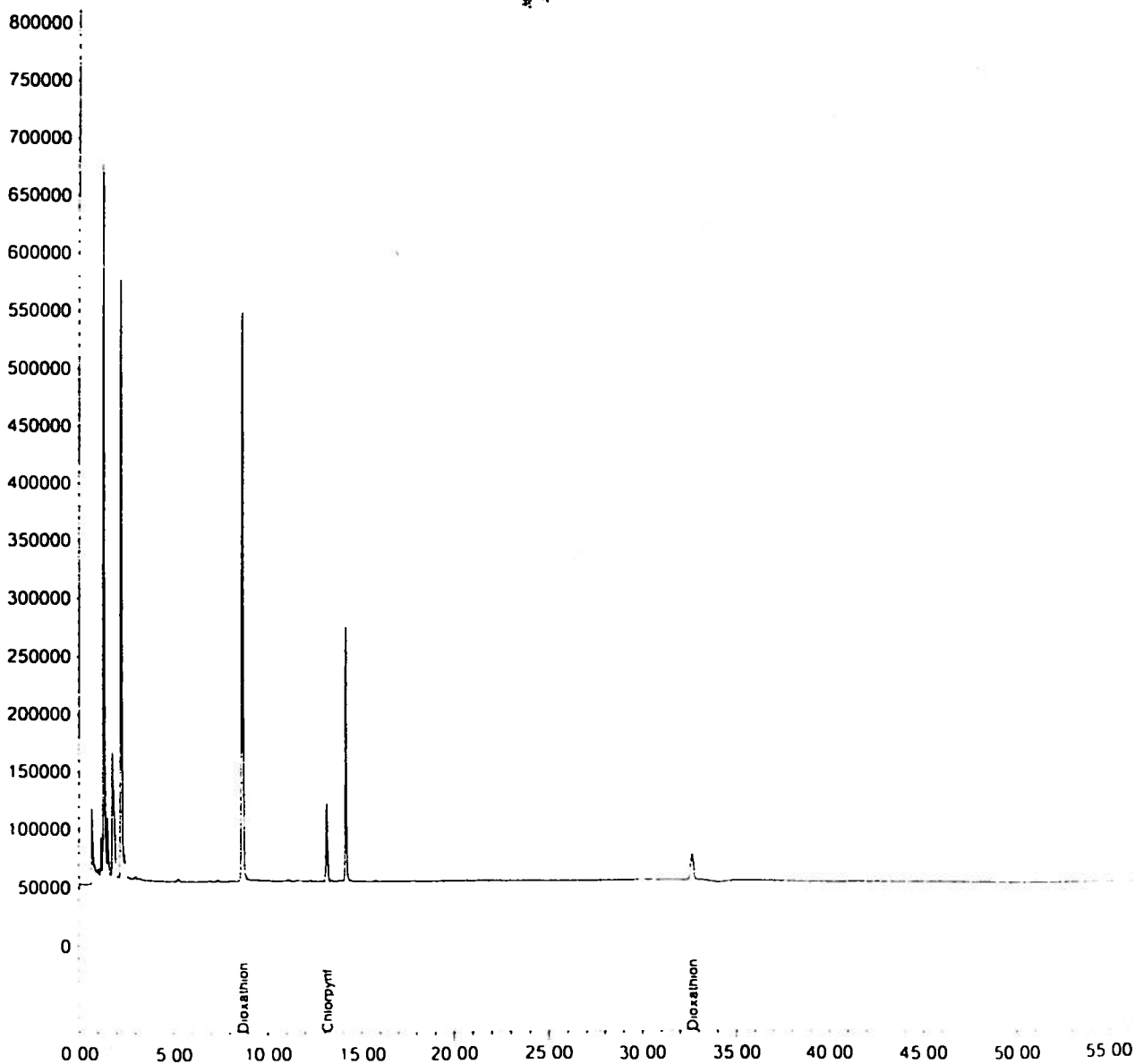
IntFile : events.e

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\FPD28



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
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
Multiplr: 1.00
Sample Amount: 0.00

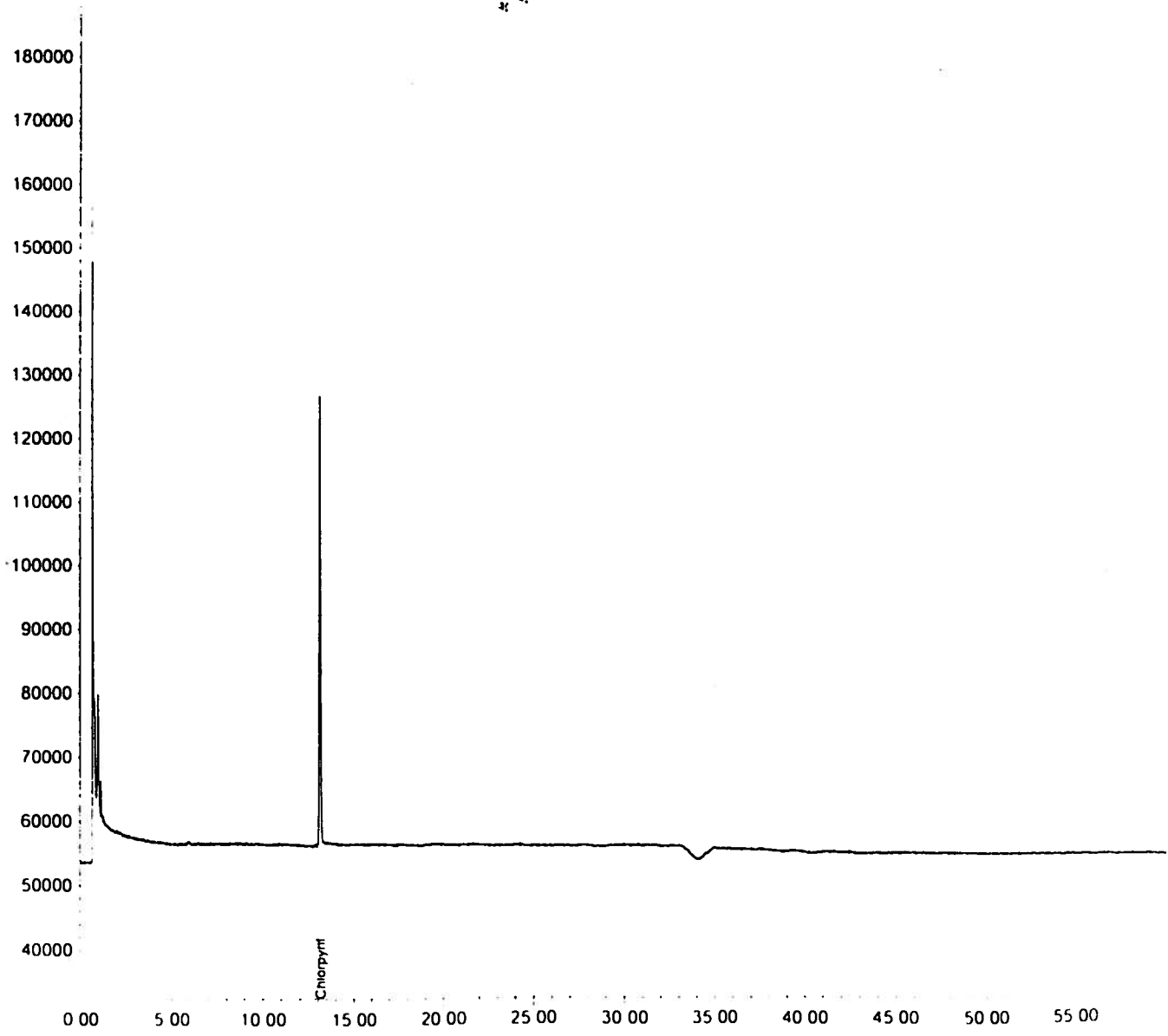
IntFile : events.e

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
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 :

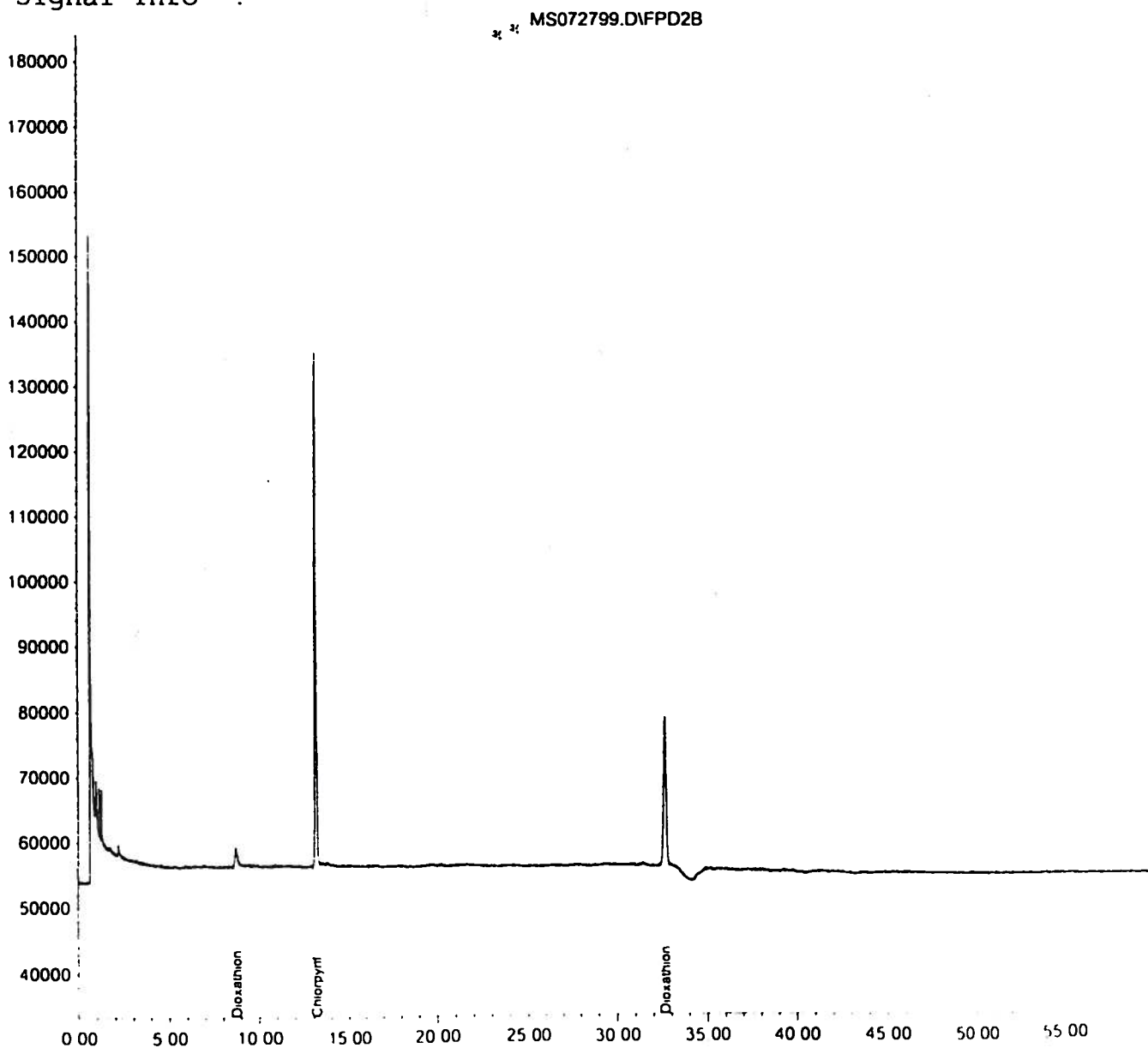
Vial: 8
Operator:
Inst : FPD/FID
Multiplr: 0.01
Sample Amount: 0.00

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 :



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
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

(f)=RT Delta > 1/2 Window

MS072799.D 8141A.M

Thu Jul 29 11:50:47 1999

(m)=manual int.

RHONDA

Page

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

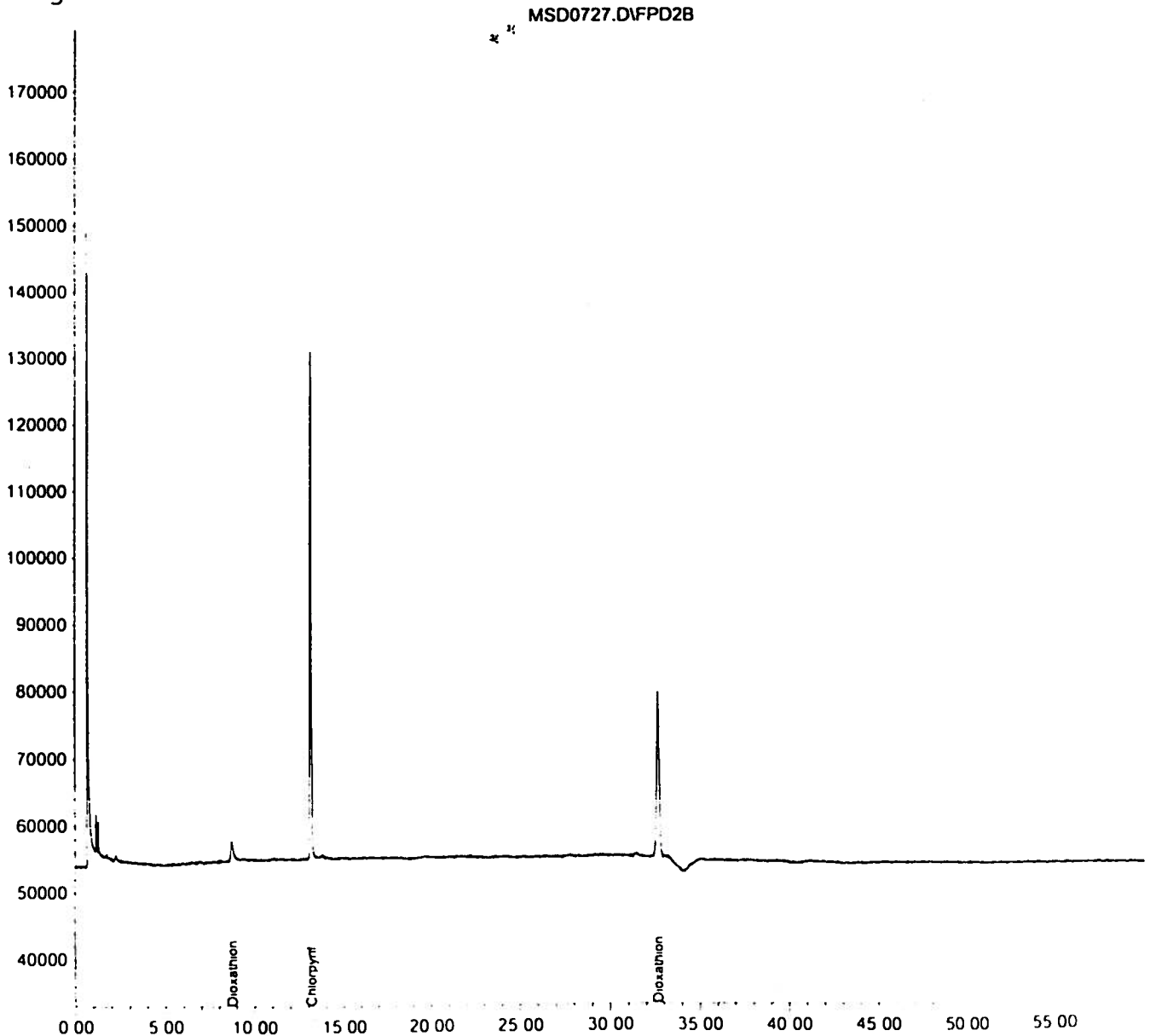
Vial: 9
Operator:
Inst : FPD/FID
Multiplr: 0.01
Sample Amount: 0.00

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 :



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
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

(f)=RT Delta > 1/2 Window

MSD0727.D 8141A.M

Thu Jul 29 11:51:30 1999

(m)=manual int.

RHONDA

Page 1

**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
Multiplr: 0.01
Sample Amount: 0.00

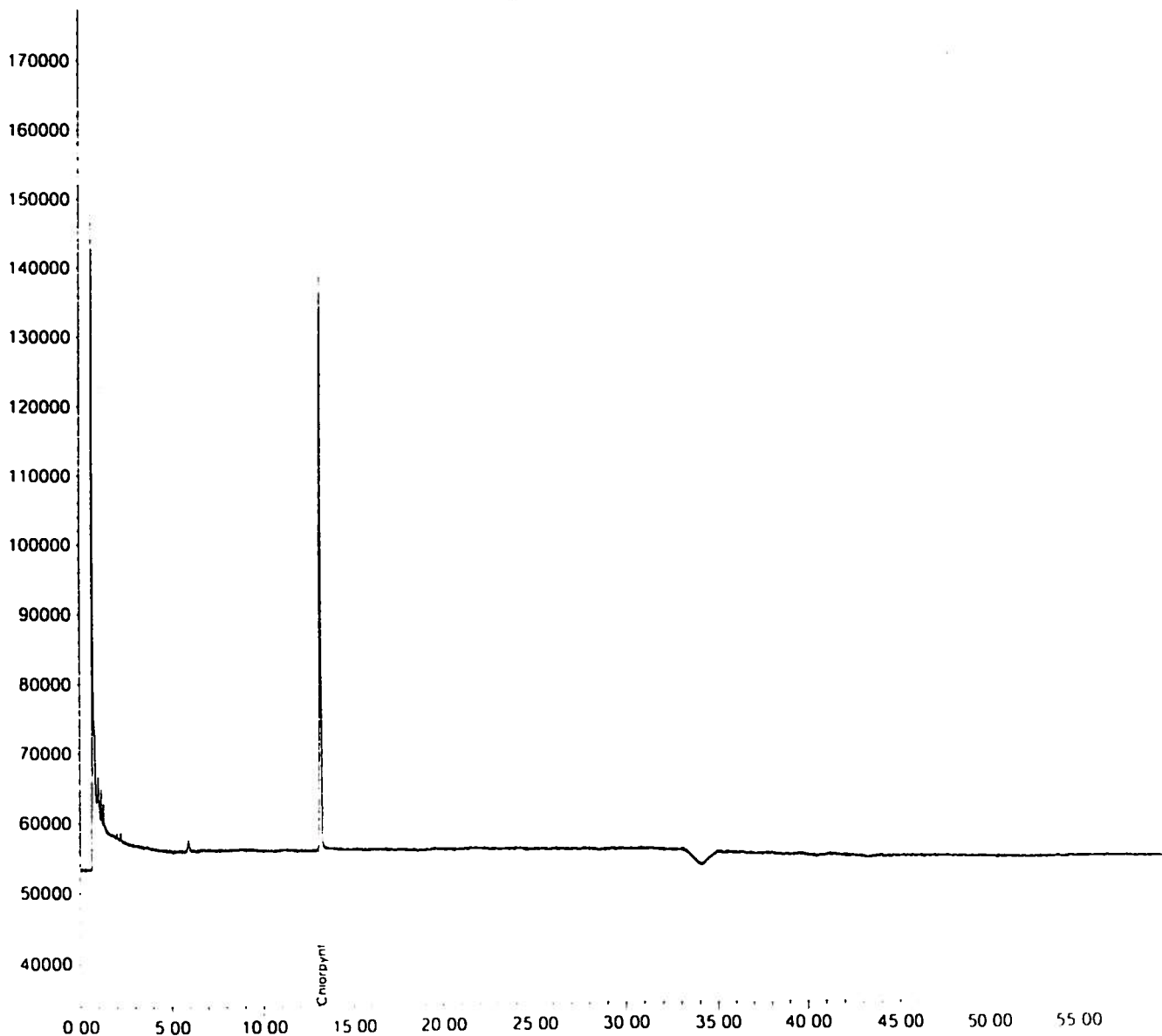
IntFile : events.e

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
 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
Multiplr: 0.01
Sample Amount: 0.00

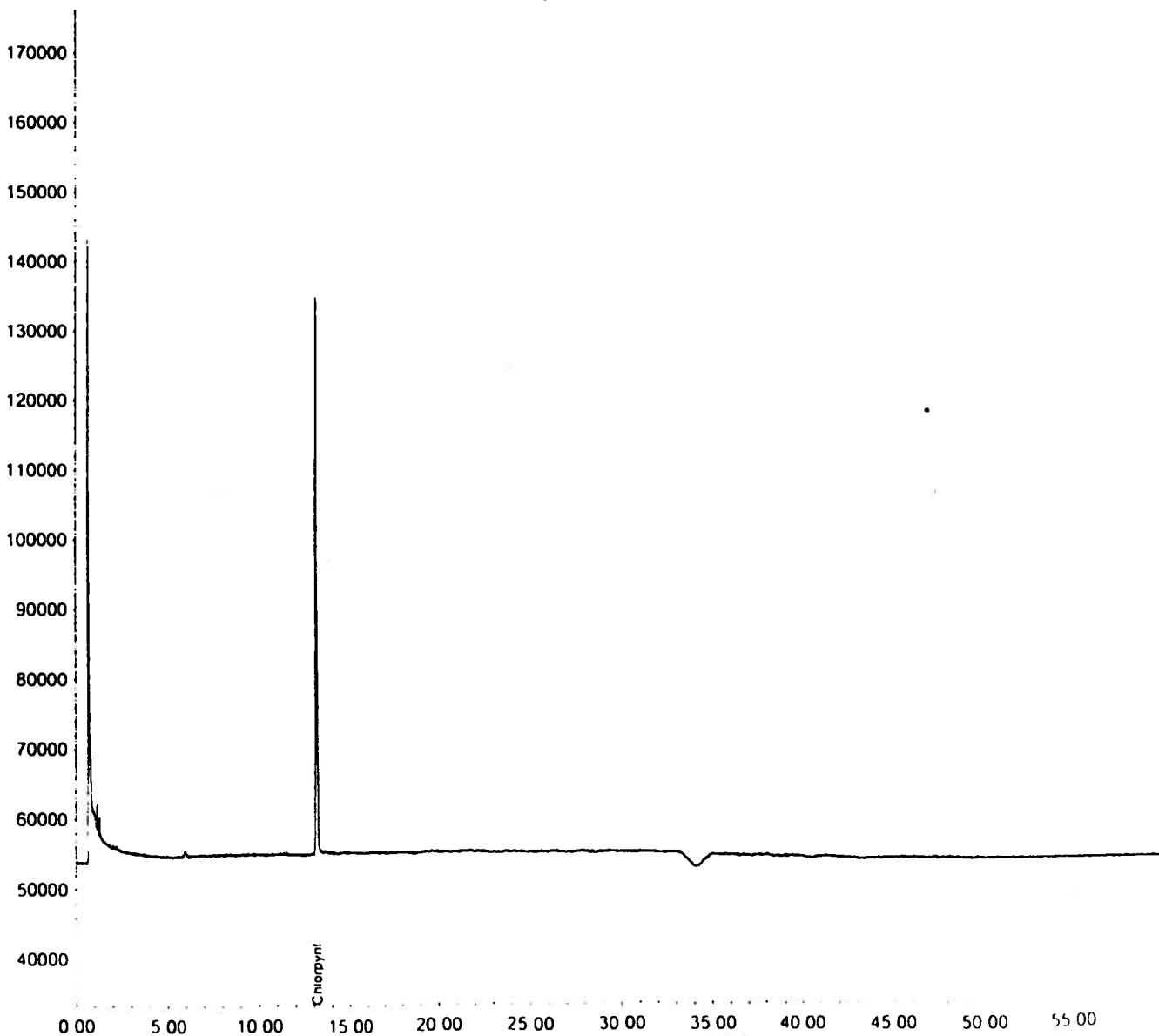
IntFile : events.e

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
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

Quantitation Report

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
Multiplr: 0.01
Sample Amount: 0.00

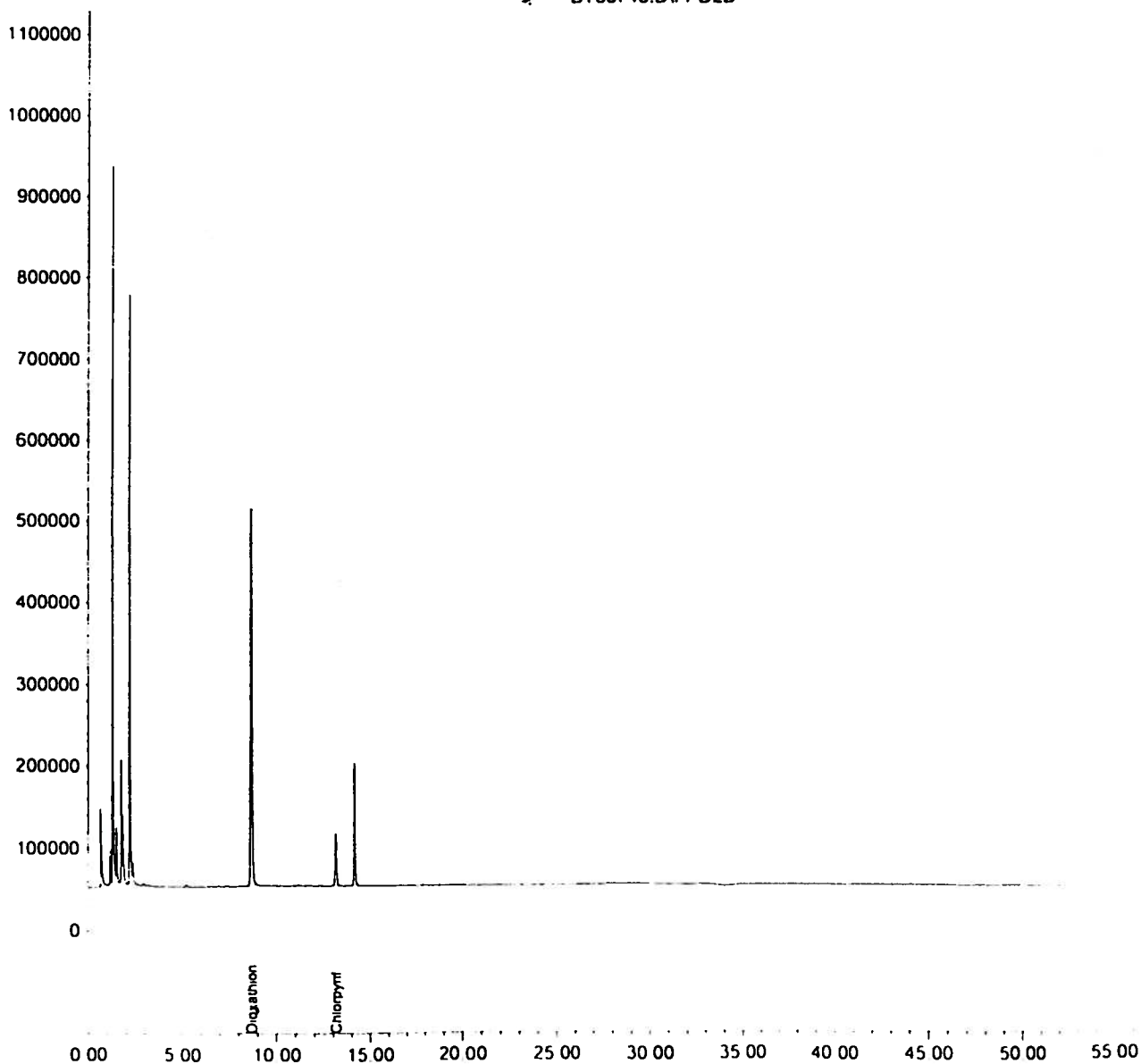
IntFile : events.e

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
 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

Quantitation Report

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
Multiplr: 0.01
Sample Amount: 0.00

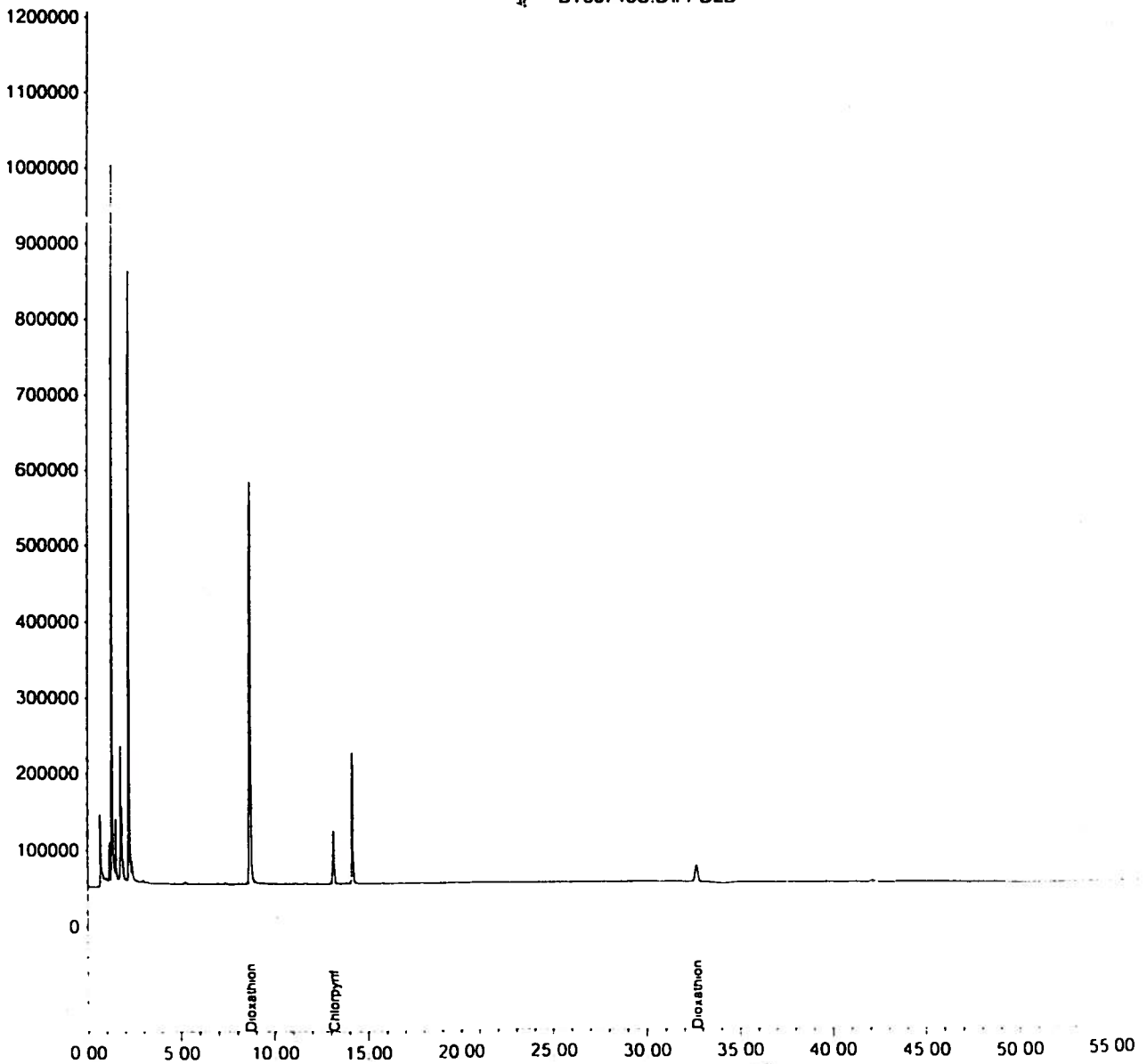
IntFile : events.e

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





FPD CONSISTENCY STUDY

**STUDY PERFORMED WITH BOTH THE OLD & NEW STANDARDS TO
DETERMINE THE CONSISTENCY OF THE GC/FPD AT
TEMPERATURES OF 140°C & 220°C**

NEW STD

	Peak #1	Peak #2	Surrogate
140 #1	19562506	117932394	20028525
140 #2	20054511	115053306	19875688
140 #3	19704811	114956397	19988205
140 #4	19017949	116006320	20164684
140 #5	19257405	113723211	19760701
stdev	400834.6	1566766.4	153420.95
avg	19519436	115534326	19963561 *

220 #2	62076038	104529428	16729513
220 #3	66285344	108163110	17503606
220 #4	68086701	108940537	17865802
220 #5	66183441	111956375	18230230
220 #6	68275122	111730276	18407377
220 #7	69681296	113183633	18789937
220 #8	72203857	114311938	19019603
220 #9	72806157	113969501	19178443
220 #10	72160551	115954154	19569881

stdev 2640666 2392587.6 612952.72
avg 68639834 111415439 18366044

* didn't add same amt. of surrogate as old std.

Data File : C:\HPCHEM\1\DATA\1005b99\1401.D
 Acq On : 6 Oct 99 7:20 pm
 Sample : Sample 1 @140n
 Misc :

New SID

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

IntFile : events.e

Quant Time: Oct 6 19:58 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 : 8141AB.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.32	20028525	3928.533 ppb
Spiked Amount 1000.000		Recovery	= 392.85%
Target Compounds			
2) T Dioxathion Peak #1	8.89	19562506	55158.303 ppb
3) T Dioxathion Peak #2	32.78	117932394	44478.629 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\1402.D
Acq On : 6 Oct 99 8:19 pm
Sample : Sample 2 @140n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 20:58 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.33	19875688	3898.555 ppb
Spiked Amount 1000.000		Recovery	= 389.86%
Target Compounds			
2) T Dioxathion Peak #1	8.89	20054511	56545.557 ppb
3) T Dioxathion Peak #2	32.78	115053306	43392.770 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\1403.D
Acq On : 6 Oct 99 9:19 pm
Sample : Sample 3 @140n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 21:58 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.33	19988205	3920.625 ppb
Spiked Amount 1000.000		Recovery	= 392.06%
Target Compounds			
2) T Dioxathion Peak #1	8.89	19704811	55559.546 ppb
3) T Dioxathion Peak #2	32.78	114956397	43356.221 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\1404.D
Acq On : 6 Oct 99 10:19 pm
Sample : Sample 4 @140n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 22:58 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.33	20164684	3955.240 ppb
Spiked Amount 1000.000		Recovery	= 395.52%
Target Compounds			
2) T Dioxathion Peak #1	8.89	19017949	53622.875 ppb
3) T Dioxathion Peak #2	32.78	116006320	43752.203 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\1405.D
Acq On : 6 Oct 99 11:20 pm
Sample : Sample 5 @140n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 23:58 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.33	19760701	3876.000 ppb
Spiked Amount 1000.000		Recovery	= 387.60%
Target Compounds			
2) T Dioxathion Peak #1	8.89	19257405	54298.042 ppb
3) T Dioxathion Peak #2	32.78	113723211	42891.120 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2202.D
Acq On : 6 Oct 99 12:36 pm
Sample : Sample 2 @220 n *New Std*
Misc :

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

IntFile : events.e

Quant Time: Oct 6 13:15 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.29	16729513	3281.442 ppb
Spiked Amount 1000.000		Recovery	= 328.14%
Target Compounds			
2) T Dioxathion Peak #1	8.86	62076038	175029.156 ppb
3) T Dioxathion Peak #2	32.74	104529428	39423.652 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2203.D
Acq On : 6 Oct 99 1:19 pm
Sample : Sample 3@220 n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 13:57 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.27	17503606	3433.278 ppb
Spiked Amount 1000.000		Recovery	= 343.33%
Target Compounds			
2) T Dioxathion Peak #1	8.84	66285344	186897.685 ppb
3) T Dioxathion Peak #2	32.73	108163110	40794.108 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2204.D
Acq On : 6 Oct 99 2:01 pm
Sample : Sample 4 @220 n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 14:40 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	*R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.27	17865802	3504.322 ppb
Spiked Amount 1000.000		Recovery	= 350.43%
Target Compounds			
2) T Dioxathion Peak #1	8.83	68086701	191976.780 ppb
3) T Dioxathion Peak #2	32.73	108940537	41087.317 PPB

(f)=RT Delta > 1/2 Window

2204.D 8141A.M Wed Oct 06 14:40:20 1999

(m)=manual int.

RHONDA

Page 1

Data File : C:\HPCHEM\1\DATA\1005b99\2205.D
Acq On : 6 Oct 99 2:44 pm
Sample : Sample 5 @220 n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 15:22 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.27	18230230	3575.803 ppb
Spiked Amount 1000.000		Recovery	= 357.58%
Target Compounds			
2) T Dioxathion Peak #1	8.84	66183441	186610.362 ppb
3) T Dioxathion Peak #2	32.73	111956375	42224.751 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2206.D
Acq On : 6 Oct 99 3:26 pm
Sample : Sample 6 @220 n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 16:05 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.27	18407377	3610.550 ppb
Spiked Amount 1000.000		Recovery	= 361.06%
Target Compounds			
2) T Dioxathion Peak #1	8.84	68275122	192508.049 ppb
3) T Dioxathion Peak #2	32.73	111730276	42139.477 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2207.D
Acq On : 6 Oct 99 4:09 pm
Sample : Sample 7 @220n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 16:47 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.27	18789937	3685.588 ppb
Spiked Amount 1000.000		Recovery	= 368.56%
Target Compounds			
2) T Dioxathion Peak #1	8.84	69681296	196472.890 ppb
3) T Dioxathion Peak #2	32.73	113183633	42687.616 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2208.D
Acq On : 6 Oct 99 4:51 pm
Sample : Sample 8 @220n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 17:30 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.27	19019603	3730.636 ppb
Spiked Amount 1000.000		Recovery	= 373.06%
Target Compounds			
2) T Dioxathion Peak #1	8.84	72203857	203585.483 ppb
3) T Dioxathion Peak #2	32.73	114311938	43113.161 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2209.D
 Acq On : 6 Oct 99 5:34 pm
 Sample : Sample 9 @220n
 Misc :

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

IntFile : events.e

Quant Time: Oct 6 18:12 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.27	19178443	3761.792 ppb
Spiked Amount 1000.000		Recovery	= 376.18%
Target Compounds			
2) T Dioxathion Peak #1	8.84	72806157	205283.724 ppb
3) T Dioxathion Peak #2	32.73	113969501	42984.009 PPB

Data File : C:\HPCHEM\1\DATA\1005b99\2210.D
Acq On : 6 Oct 99 6:16 pm
Sample : Sample 10 @220n
Misc :

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

IntFile : events.e

Quant Time: Oct 6 18:55 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.28	19569881	3838.572 ppb
Spiked Amount 1000.000		Recovery	= 383.86%
Target Compounds			
2) T Dioxathion Peak #1	8.84	72160551	203463.379 ppb
3) T Dioxathion Peak #2	32.73	115954154	43732.528 PPB

OLD STD

Peak #1 Peak #2 Surrogate

140 #1	71671	892980	62347404
140 #2	56458	893167	62473314
140 #3	81672	978296	61904658
140 #4	68516	915151	62222918
140 #5	79554	906810	62189136
140 #6	55851	939764	62279449
140 #7	72657	927588	62454080

stdev 10175.75 30185.989 192994.55
avg 69482.71 921965.14 62267280

220 #2	498281	1145424	51845275
220 #3	572016	995369	54797898
220 #4	518371	1056610	56678752
220 #5	577779	1004224	58898676
220 #6	576657	893661	62126605
220 #7	535540	868983	61184196
220 #8	554605	935090	62103523
220 #9	600310	950632	62700952
220 #10	603575	873555	64002722

stdev 36108 91523.67 4121744.7
avg 559681.6 969283.11 59370955

Data File : C:\HPCHEM\1\DATA\100499\2202.D
 Acq On : 4 Oct 99 19:52
 Sample : Sample 2 @220 *Old SW*
 Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:02 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.15	51845275	10169.290 ppb
Spiked Amount 1000.000		Recovery	= 1016.93%
Target Compounds			
2) T Dioxathion Peak #1	8.71	498281	1404.950 ppb m
3) T Dioxathion Peak #2	32.71	1145424	432.001 PPB m

Data File : C:\HPCHEM\1\DATA\100499\2203.D Vial: 1
 Acq On : 4 Oct 99 20:35 Operator:
 Sample : Sample 3@220 Inst : FPD/FID I
 Misc : Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Oct 5 14:02 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.15	54797898	10748.438	ppb
Spiked Amount	1000.000	Recovery	= 1074.84%	
Target Compounds				
2) T Dioxathion Peak #1	8.72	572016	1612.853	ppb m
3) T Dioxathion Peak #2	32.70	995369	375.407	PPB m

Data File : C:\HPCHEM\1\DATA\100499\2204.D
 Acq On : 4 Oct 99 21:17
 Sample : Sample 4 @220
 Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:03 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.16	56678752	11117.362	ppb
Spiked Amount 1000.000		Recovery	= 1111.74%	
Target Compounds				
2) T Dioxathion Peak #1	8.73	518371	1461.596	ppb m
3) T Dioxathion Peak #2	32.71	1056610	398.504	PPB m

Data File : C:\HPCHEM\1\DATA\100499\2205.D
Acq On : 4 Oct 99 22:00
Sample : Sample 5 @220
Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:13 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.18	58898676	11552.793 ppb
Spiked Amount 1000.000		Recovery	= 1155.28%
Target Compounds			
2) T Dioxathion Peak #1	8.75	577779	1629.100 ppb m
3) T Dioxathion Peak #2	32.71	1004224	378.747 PPB m

Data File : C:\HPCHEM\1\DATA\100499\2206.D
 Acq On : 4 Oct 99 22:42
 Sample : Sample 6 @220
 Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:14 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.19	62126605	12185.941	ppb
Spiked Amount 1000.000		Recovery	= 1218.59%	
Target Compounds				
2) T Dioxathion Peak #1	8.75	576657	1625.938	ppb m
3) T Dioxathion Peak #2	32.70	893661	337.047	PPB m

Data File : C:\HPCHEM\1\DATA\100499\2207.D
Acq On : 4 Oct 99 23:25
Sample : Sample 7 @220
Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:14 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S Chlorpyrifos	13.19	61184196	12001.091	ppb
Spiked Amount 1000.000		Recovery	= 1200.11%	
Target Compounds				
2) T Dioxathion Peak #1	8.77	535540	1510.004	ppb m
3) T Dioxathion Peak #2	32.71	868983	327.740	PPB m

Data File : C:\HPCHEM\1\DATA\100499\2208.D
Acq On : 5 Oct 99 00:07
Sample : Sample 8 @220
Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:15 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.20	62103523	12181.414 ppb
Spiked Amount 1000.000		Recovery	= 1218.14%
Target Compounds			
2) T Dioxathion Peak #1	8.76	554605	1563.761 ppb m
3) T Dioxathion Peak #2	32.71	935090	352.672 PPB m

Data File : C:\HPCHEM\1\DATA\100499\2209.D
 Acq On : 5 Oct 99 00:50
 Sample : Sample 9 @220
 Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:15 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 : 8141A.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.21	62700952	12298.598	ppb
Spiked Amount 1000.000		Recovery	= 1229.86%	
Target Compounds				
2) T Dioxathion Peak #1	8.77	600310	1692.631	ppb m
3) T Dioxathion Peak #2	32.70	950632	358.534	PPB m

Data File : C:\HPCHEM\1\DATA\100499\2210.D
Acq On : 5 Oct 99 1:32
Sample : Sample 10 @220
Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:16 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 : 8141A.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.21	64002722	12553.936 ppb
Spiked Amount 1000.000		Recovery	= 1255.39%
Target Compounds			
2) T Dioxathion Peak #1	8.78	603575	1701.837 ppb m
3) T Dioxathion Peak #2	32.71	873555	329.464 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1401.D
Acq On : 5 Oct 99 2:36
Sample : Sample 1 @140 *Old Std*
Misc :

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

IntFile : events.e

Quant Time: Oct 5 13:55 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.26	62347404	12229.250 ppb
piked Amount 1000.000		Recovery	= 1222.93%
Target Compounds			
2) T Dioxathion Peak #1	8.82	71671	202.084 ppb m
3) T Dioxathion Peak #2	32.75	892980	336.791 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1402.D
 Acq On : 5 Oct 99 3:37
 Sample : Sample 2 @140
 Misc :

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

IntFile : events.e

Quant Time: Oct 5 13:55 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 : 8141AB.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.26	62473314	12253.947 ppb
Spiked Amount 1000.000		Recovery	= 1225.39%
Target Compounds			
2) T Dioxathion Peak #1	8.84	56458	159.189 ppb m
3) T Dioxathion Peak #2	32.76	893167	336.861 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1403.D Vial: 1
 Acq On : 5 Oct 99 4:38 Operator:
 Sample : Sample 3 @140 Inst : FPD/FID I
 Misc : Multiplr: 1.00
 Sample Amount: 0.00
 IntFile : events.e

Quant Time: Oct 5 13:56 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 : 8141AB.M

Volume Inj. :
 Signal Phase :
 Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Chlorpyrifos	13.27	61904658	12142.407	ppb
Spiked Amount 1000.000		Recovery	= 1214.24%	
Target Compounds				
2) T Dioxathion Peak #1	8.91	81672	230.282	ppb m
3) T Dioxathion Peak #2	32.75	978296	368.968	PPB m

Data File : C:\HPCHEM\1\DATA\100499\1404.D
Acq On : 5 Oct 99 5:38
Sample : Sample 4 @140
Misc :

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

IntFile : events.e

Quant Time: Oct 5 13:57 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Chlorpyrifos	13.27	62222918	12204.833 ppb
Spiked Amount 1000.000		Recovery	= 1220.48%
Target Compounds			
2) T Dioxathion Peak #1	8.86	68516	193.188 ppb m
3) T Dioxathion Peak #2	32.76	915151	345.153 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1405.D
Acq On : 5 Oct 99 6:38
Sample : Sample 5 @140
Misc :

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

IntFile : events.e

Quant Time: Oct 5 13:58 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 : 9141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.27	62189136	12198.207 ppb
iked Amount 1000.000		Recovery	= 1219.82%
Target Compounds			
2) T Dioxathion Peak #1	8.84	79554	224.310 ppb m
3) T Dioxathion Peak #2	32.75	906810	342.007 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1406.D
Acq On : 5 Oct 99 7:39
Sample : Sample 6 @140
Misc :

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

IntFile : events.e

Quant Time: Oct 5 13:59 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S Chlorpyrifos	13.28	62279449	12215.921 ppb
Spiked Amount 1000.000		Recovery	= 1221.59%
Target Compounds			
2) T Dioxathion Peak #1	8.85	55851	157.476 ppb m
3) T Dioxathion Peak #2	32.76	939764	354.435 PPB m

Data File : C:\HPCHEM\1\DATA\100499\1407.D
Acq On : 5 Oct 99 8:39
Sample : Sample 7 @140
Misc :

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

IntFile : events.e

Quant Time: Oct 5 14:01 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 : 8141AB.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
) S Chlorpyrifos	13.28	62454080	12250.175 ppb
iked Amount 1000.000		Recovery	= 1225.02%
Target Compounds			
) T Dioxathion Peak #1	8.88	72657	204.863 ppb m
) T Dioxathion Peak #2	32.76	927588	349.843 PPB m

