PROJECT ID: PMN06011997

SAMPLE ID: ~~NO SAMPLE ID~~ PN25 ~~PN33~~

DESCRIPTOR: PESTICIDE MONITORING NETWORK

A. R. Hanks
State Chemist & Seed Commissioner

R. J. Noel
Associate State Chemist & Laboratory Director

R. L. Geiger
Feed Administrator

D. B. Groves
Chief Inspector & Auditor

Office of
INDIANA STATE CHEMIST AND SEED COMMISSIONER
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M. R. Hancock
Fertilizer Administrator

L. W. Nees
Seed Administrator

D. E. Scott
Pesticide Administrator

C. L. Wiese
Accounting & Administrative Assistant

12/11/01

Mr. Mitt Denney
Indiana Department of Environmental Management
Ground Water Section
100 N. Senate Ave
Indianapolis, IN 46206-6015

Dear Mr. Denney,

Enclosed is the completed data packet for OISC lab batch 93. Samples that are included in this batch are IDEM sample number DK14040, DK14041, DK14042, DK13779, DK13780, DK13781, DK13782, DK13785, DK13787, DK13786, DK13788, DK13778, DK13790, DK13791, DK13792 and the appropriate QC samples outlined in the BAA. Also enclosed is the bill for batch 93. Please make sure to enclose the payment voucher when remitting payment.

If you have any questions regarding the data, the format of the data packet or the bill, please do not hesitate to contact me.

Sincerely,

David E. Scott

David Scott
Pesticide Administrator

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IDEM-Water Mgmt
Drinking Water Branch

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Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK14040 1636 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	0008 -20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.7	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-DP	120-36-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
Dicamba	1918-00-9	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Picloram	1918-02-1	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Bentazon	25057-89-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.05	ug/L	N/A
Acifluorfen	50594-66-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
MCPP	7085-19-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.3	ug/L	N/A
2,4,5-T	93-76-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	4.3	Surrogate	ug/L	4.6
MCPA	94-74-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
2,4-D	94-75-7	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A

Sample comments:

Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	16	Surrogate	ug/L	20
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK14041 1637 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK14042 1638 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.7	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	LRB93 1639 LRB N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.6
2,4-DP	120-36-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
Dicamba	1918-00-9	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Picloram	1918-02-1	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Bentazon	25057-89-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.05	ug/L	N/A
Acifluorfen	50594-66-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
MCPP	7085-19-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.3	ug/L	N/A
2,4,5-T	93-76-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	4.4	Surrogate	ug/L	4.6
MCPA	94-74-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.2	ug/L	N/A
2,4-D	94-75-7	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	BDL	0.1	ug/L	N/A
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A

Sample comments:

Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	16	Surrogate	ug/L	20

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	LFB93 1640 LFB N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.8	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	12.0	0.480	ug/L	12.0
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	13.0	0.500	ug/L	15.0
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	11.0	0.35	ug/L	13.0
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.0	0.3	ug/L	6.3
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.6	0.2	ug/L	7.9
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.4	0.30	ug/L	5.7
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.4	0.4	ug/L	9.5
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.8	0.5	ug/L	9.8
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	8.5	0.50	ug/L	7.9
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	19	2.1	ug/L	19
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	14.0	0.500	ug/L	13.0
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.7	0.50	ug/L	6.3
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	8.30	0.440	ug/L	8.80
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.2	0.3	ug/L	6.3
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.90	0.57	ug/L	7.90
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.10	0.470	ug/L	5.40
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.6	0.4	ug/L	6.3
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-DP	120-36-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.4	0.2	ug/L	2.8
Dicamba	1918-00-9	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	0.9	0.1	ug/L	1.6
Picloram	1918-02-1	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	1.4	0.1	ug/L	2.2
Bentazon	25057-89-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.10	0.05	ug/L	2.00
Acifluorfen	50594-66-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	6.8	0.2	ug/L	6.7
MCPP	7085-19-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	3.4	0.3	ug/L	4.6
2,4,5-T	93-76-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	4.4	Surrogate	ug/L	4.6
MCPA	94-74-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.9	0.2	ug/L	3.8
2,4-D	94-75-7	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.2	0.1	ug/L	2.4
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	16	0.90	ug/L	11

Sample comments:

Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	9.30	0.900	ug/L	10.0
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	13	1.4	ug/L	14
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	26	2.5	ug/L	28
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	10	1.0	ug/L	11
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	15	Surrogate	ug/L	20

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	14040MS 1641 LFM1 N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.8	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	11.0	0.480	ug/L	12.0
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	13.0	0.500	ug/L	15.0
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.00	0.35	ug/L	12.0
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.9	0.3	ug/L	6.1
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.4	0.2	ug/L	7.6
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.3	0.30	ug/L	5.5
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.2	0.4	ug/L	9.1
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.2	0.5	ug/L	9.4
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.9	0.50	ug/L	7.6
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	18	2.1	ug/L	18
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	13.0	0.500	ug/L	12.0
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.2	0.50	ug/L	6.1
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	8.00	0.440	ug/L	8.50
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.0	0.3	ug/L	6.1
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.10	0.57	ug/L	7.60
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.00	0.470	ug/L	5.20
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.3	0.4	ug/L	6.1
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-DP	120-36-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.5	0.2	ug/L	2.8
Dicamba	1918-00-9	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	1.0	0.1	ug/L	1.6
Picloram	1918-02-1	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	1.4	0.1	ug/L	2.2
Bentazon	25057-89-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.00	0.05	ug/L	2.00
Acifluorfen	50594-66-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	7.0	0.2	ug/L	6.7
MCPP	7085-19-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	3.5	0.3	ug/L	4.6
2,4,5-T	93-76-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	4.8	Surrogate	ug/L	4.6
MCPA	94-74-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	3.1	0.2	ug/L	3.8
2,4-D	94-75-7	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.3	0.1	ug/L	2.4
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	14	0.90	ug/L	11

Sample comments:

Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	8.40	0.900	ug/L	10.0
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	12	1.4	ug/L	14
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	23	2.5	ug/L	28
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	9.0	1.0	ug/L	11
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	17	Surrogate	ug/L	20
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	14040MSD 1642 LFM2 N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	25-May-2000 30-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.8	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	11.0	0.480	ug/L	12.0
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	13.0	0.500	ug/L	15.0
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.20	0.35	ug/L	12.0
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.8	0.3	ug/L	6.1
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.2	0.2	ug/L	7.6
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.1	0.30	ug/L	5.5
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	8.6	0.4	ug/L	9.1
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	9.0	0.5	ug/L	9.4
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.8	0.50	ug/L	7.6
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	19	2.1	ug/L	18
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	13.0	0.500	ug/L	12.0
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.4	0.50	ug/L	6.1
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	7.60	0.440	ug/L	8.50
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.7	0.3	ug/L	6.1
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	6.30	0.57	ug/L	7.60
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.00	0.470	ug/L	5.20
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	5.2	0.4	ug/L	6.1
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
2,4-DP	120-36-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.2	0.2	ug/L	2.8
Dicamba	1918-00-9	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	0.9	0.1	ug/L	1.6
Picloram	1918-02-1	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	1.4	0.1	ug/L	2.2
Bentazon	25057-89-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	1.80	0.05	ug/L	2.00
Acifluorfen	50594-66-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	6.6	0.2	ug/L	6.7
MCPP	7085-19-0	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	3.3	0.3	ug/L	4.6
2,4,5-T	93-76-5	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	4.0	Surrogate	ug/L	4.6
MCPA	94-74-6	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.8	0.2	ug/L	3.8
2,4-D	94-75-7	515.1M	08-Jun-2000	HPLC/DAD	14-Jun-2000	2.1	0.1	ug/L	2.4
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	15	0.90	ug/L	11

Sample comments:

Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	9.00	0.900	ug/L	10.0
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	13	1.4	ug/L	14
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	24	2.5	ug/L	28
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	9.6	1.0	ug/L	11
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	15	Surrogate	ug/L	20

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13779 1643 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.6
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13780 1644 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	18	Surrogate	ug/L	20
2,4-D	94-75-7I	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2I	N/A		IMMUNOASSAY	19-Jun-2000	N/A	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13781 1645 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.2	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.2	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.1	Surrogate	ng/uL	1.6
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13782 1646 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.2	Surrogate	ng/uL	1.6
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13785 1647 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.6
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13787 1648 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	18	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	0.060	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13786 1649 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	26-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.2	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.2	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.1	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	15	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	N/A	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13788 1650 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	27-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-5	25.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.3	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	16	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	0.060	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13778 1651 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	27-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.6
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	BDL	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13790 1652 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	27-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	17	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	0.070	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13791 1653 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	27-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-20-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
TPP	115-86-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.5	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	18	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	0.100	0.06	ug/L	N/A

Sample comments:

Groundwater Analysis Sample Report

Lab Information		Sample Information			
Office of the Indiana State Chemist 1154 Biochemistry Purdue University West Lafayette, IN 47907-1154 (765) 494-1492 Fax (765) 494-4331	Lab ID Number: GWSOISC PO Number: OISC-93	IDEM Sample Number: Lab Sample Number: Sample Type: Well ID Number: Lab Batch Number:	DK13792 1654 Water Sample N/A 93	Date of Sampling: Date Received by Lab: Date Reported:	27-May-2000 31-May-2000 09-Nov-2001

Analyte	CAS	Extraction Method	Extraction Date	Analysis Method	Analysis Date	Result	Detection Limits	Units	Spike Amount
Dimethylnitrobenzene	00081-206	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.7
TPP	115-86-4	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.6	Surrogate	ng/uL	1.7
Simazine	122-34-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.480	ug/L	N/A
Terbufos	13071-79-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Trifluralin	1582-09-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.35	ug/L	N/A
Alachlor	15972-60-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Prometon	1610-18-0	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.2	ug/L	N/A
Atrazine	1912-24-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.30	ug/L	N/A
Propachlor	1918-16-7	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Metribuzin	21087-64-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.5	ug/L	N/A
Cyanazine	21725-46-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Fenamiphos	22224-92-6	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	2.1	ug/L	N/A
Bromacil	314-40-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.500	ug/L	N/A
Beta-Endosulfan	33213-65-9	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.50	ug/L	N/A
Diazinon	333-41-5	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.440	ug/L	N/A
Acetochlor	34256-82-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.3	ug/L	N/A
Pendimethalin	40487-42-1	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.57	ug/L	N/A
Metolachlor	51218-45-2	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.470	ug/L	N/A
Alpha-Endosulfan	959-98-8	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	BDL	0.4	ug/L	N/A
Pyrene d-10	N/A	525.2M	08-Jun-2000	GC/MS	28-Jun-2000	1.4	Surrogate	ng/uL	1.6
Aldicarb	116-06-3	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.90	ug/L	N/A
Carbofuran	1563-66-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	0.900	ug/L	N/A
Methomyl	16752-77-5	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.4	ug/L	N/A
Methiocarb	2032-65-7	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	2.5	ug/L	N/A
Oxamyl	23135-22-0	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	BDL	1.0	ug/L	N/A
BDMC	3766-81-2	531.1	20-Jun-2000	HPLC/FLD	21-Jun-2000	15	Surrogate	ug/L	20
2,4-D	94-75-7	N/A		IMMUNOASSAY	07-Jun-2000	BDL	0.700	ug/L	N/A
Carbofuran	1563-66-2	N/A		IMMUNOASSAY	19-Jun-2000	0.080	0.06	ug/L	N/A

Sample comments:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

cooler 1 of 4

☒ OWM ☐ OSHWM ☐ OER ☐ OAM

CHAIN OF CUSTODY

I certify that the sample(s) listed below was/were collected by me or in my presence. Date: 5 / 30 / 00

Signature: Pamela Dugan Section: Groundwater

LAB NUMBER ASSIGNED	IDEM CONTROL NUMBER	CONSISTING OF THE INDICATED NUMBER OF BOTTLES													DATE AND TIME COLLECTED
		2000 ml P.N.M.	1000 ml P.N.M.	1000 ml G.N.M.	500 ml G.W.M.	40 ml VIAL	120 ml G.(B.O.)	500 ml P.N.M.	250 ml P.N.M.						
DK13779				2		2									5 26 00 11:38 AM/PM
DK13780				2		2									5 26 00 12:30 AM/PM
DK13781				2		2									5 26 00 12:50 AM/PM
DK13782				2		2									5 26 00 13:18 AM/PM
DK13785				2		2									5 26 00 14:18 AM/PM
DK13787				2		2									5 26 00 14:44 AM/PM
DK13786				2		2									5 26 00 15:11 AM/PM
DK13788				2		2									5 27 00 10:31 AM/PM
DK13778				6		6									5 27 00 11:00 AM/PM
DK13790				2		2									5 27 00 11:34 AM/PM
DK13791				2		2									5 27 00 12:01 AM/PM
DK13792				2		2									5 27 00 12:33 AM/PM

P - Plastic G - Glass N.M. - Narrow Mouth W.M. - Wide Mouth B.O. - Bacti. Only

CARRIERS

I certify that I received the above sample(s). Should samples be iced? ☒ Y ☐ N

SIGNATURE	DATE AND TIME	SEALS INTACT		COMMENTS
RELINQUISHED BY: Pamela Dugan	5 / 30 / 00	Y	N	1 40ml vial from 13778 was broken
RECEIVED BY:	12:30 AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			

LAB CUSTODIAN

I certify that I received the above sample(s) and is/are recorded in the official record book. The same sample(s) will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature: [illegible] Date: 5 / 31 / 00 Time: 10 : 00 AM/PM

Lab: _____ Address: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

☒ OWM ☐ OSHWM ☐ OER ☐ OAM

CHAIN OF CUSTODY

I certify that the sample(s) listed below was/were collected by me or in my presence. Date: 5 / 25 / 00

Signature: James L. Harris Section: Ground Water

LAB NUMBER ASSIGNED	IDEM CONTROL NUMBER	CONSISTING OF THE INDICATED NUMBER OF BOTTLES												DATE AND TIME COLLECTED
		2000 ml P.N.M.	1000 ml P.N.M.	1000 ml G.N.M.	500 ml G.W.M.	40 ml VIAL	120 ml G.(B.O.)	500 ml P.N.M.	250 ml P.N.M.					
	DK14040			6		6								5 / 25 / 00 3 : 00 AM/PM
	DK14041			2		2								5 / 25 / 00 8 : 30 AM/PM
	DK14042			2		2								5 / 25 / 00 10 : 30 AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM
														/ / : AM/PM

P - Plastic G - Glass N.M. - Narrow Mouth W.M. - Wide Mouth B.O. - Bacti. Only

CARRIERS

Should samples be iced? Y N

I certify that I received the above sample(s).

SIGNATURE	DATE AND TIME	SEALS INTACT		COMMENTS
RELINQUISHED BY: James Harris	5 / 30 / 00	Y	N	
RECEIVED BY:	12 : 20 AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			

LAB CUSTODIAN

I certify that I received the above sample(s) and is/are recorded in the official record book. The same sample(s) will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature: [illegible] Date: 5 / 30 / 00 Time: 12 : 30 AM/PM

Lab: Address:

SAMPLE

PREPARATION

INFORMATION

Extraction Data Sheet for Groundwater Samples

Batch Number: 93
Extraction Date: 6-8-00
Extraction Time: 8:00 AM

Performed By:
[ ] Jeff Hardy
[x] Todd Roach
[ ] Charity Carpenter
[ ] Other: _____

Extraction Procedure:

[x] General Pesticide Method: 525.2 M: AutoTrace SPE, Analysis by GC/MS
[ ] Phenoxy Acid Method: 515.1 M: Liquid/Liquid, Analysis by HPLC/DAD
[ ] Carbamate Method: 531.1: Filtration, Derivitization, Analysis by HPLC/FLD

IDEM Sample Number	Lab Number	Desc.	Sample Mass Calculations			pH
			Initial Mass (g)	Final Mass (g)	Sample Mass (g)	
DK 14040	1636	Sample	1464.16	493.67	970.49	6.96
DK 14041	1637	Sample	1421.42	490.19	931.23	7.14
DK 14042	1638	Sample	1470.74	493.21	977.53	7.17
DK 13779	1643	Sample	1477.32	496.19	981.13	7.21
DK 13780	1644	Sample	1484.70	493.50	991.20	7.15
DK 13781	1645	Sample	1476.65	498.09	978.56	7.21
DK 13782	1646	Sample	1477.64	493.81	983.83	7.17
DK 13785	1647	Sample	1480.31	495.81	984.50	6.97
DK 13787	1648	Sample	1474.02	496.34	977.68	7.04
DK 13786	1649	Sample	1481.40	492.26	989.14	7.25
DK 13788	1650	Sample	1478.95	494.61	984.34	7.13
DK 13778	1651	Sample	1482.03	495.00	987.03	7.08
DK 13790	1652	Sample	1481.79	494.48	987.31	7.16
DK 13791	1653	Sample	1478.53	494.41	984.12	7.10
DK 13792	1654	Sample	1481.45	495.62	985.83	7.18
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
NA	1639	LRB	1473.18	494.82	978.36	8.16
NA	1640	LFB	1445.44	493.25	952.19	6.63
DK 14040 MS	1641	LFM 1	1478.11	490.79	987.32	6.72
DK 14040 MSD	1642	LFM 2	1477.19	490.89	986.30	6.87

Final volume = 3 mL in EtAc

Spike Information: 329 300 uL

Surrogate Information: 328 100 uL

Internal Standard Info: 288 150 uL

Comments: _____

Signature: [signature]

Date: 6-9-00

Working Mix Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: M-329 SPIKE

Date Prepared: 5/12/00 Date Destroyed: 8/22/00

Physical Data

Parent Solutions	Concentration (ng/µl)	Aliquot (mL)	Parent Solvent	Final Concentration (ng/µl)
1. Acetochlor S-122	2000	0.5	EtAc	20
2. Alachlor S-123	990	1.0	EtAc	20
3. Atrazine S-124	910	1.0	EtAc	18
4. Bromacil S-125	1030	2.0	EtAc	41
5. Cyanazine S-126	630	2.0	EtAc	25
7. Diazinon S-127	1420	1.0	EtAc	28
8. Alpha-Endosulfan S-128	1000	1.0	EtAc	20
9. Beta-Endosulfan S-129	1000	1.0	EtAc	20
10. Fenamiphos S-130	1000	3.0	EtAc	60
11. Metolachlor S-131	550	1.5	EtAc	17
12. Metribuzin S-132	514	3.0	EtAc	31
13. Pendimethalin S-133	505	2.5	EtAc	25
14. Prometon S-134	500	2.5	EtAc	25
15. Propachlor S-135	990	1.5	EtAc	30
16. Simazine S-164	~~313~~ 316 JH	6.0	MeOH	38
17. Terbufos S-137	1590	1.5	EtAc	48
19. Trifluralin S-138	1010	2.0	EtAc	40

Final Dilution Solvent: EtAc Final Dilution Volume: 50 mL

Notes:

Prepared by: Jeff Hardy

Lab Notebook:

Working Mix Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: M-329, Surrogate

Date Prepared: 5-1-00

Date to be Destroyed: _____ Date Destroyed: 8-1-00

Physical Data

Parent Solutions ISM-530	Concentration (ng/µl)	Aliquot (mL)	Parent Solvent	Final Concentration (ng/µl)
1. 1,3-dimethyl-2-nitrobenzene	500	5	Acetone	50
2. Perylene d-12	496	↓	Acetone	50
3. Triphenylphosphate	497	↓	Acetone	50
4. Pyrene d-10	492	↓	Acetone	49
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				

Final Dilution Solvent: Methanol Final Dilution Volume: 50mL

ULTRA SCIENTIFIC 250 Smith St., North Kingstown, RI 02852
401-294-9400

Surrogate Standard Fortification Solution

500 ng/mL each in Acetone

ISM-530 1 mL

LAB USE ONLY _____

Lot No. M-1606 Exp. Date 12/2001

Prepared by: _____

Lab Notebook: _____

Working Mix Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: M-288 Internal Std. (EPA 525)

Date Prepared: 2-14-00 Date Destroyed: 8/28/00 used up

Physical Data

Parent Solutions	Concentration (ng/µl)	Aliquot (mL)	Parent Solvent	Final Concentration (ng/µl)
1. Acenaphthene-d10	500	5	Acetone	50
2. Phenanthrene-d10	500	5	↓	50
3. Chrysene - d12	500	5	↓	50
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Final Dilution Solvent: EtAc Final Dilution Volume: 50 mL

Notes:

IS-525M EXP:02/01 5ml

CHEM SERVICE
PO BOX 996 WEST CHESTER PA 19381 800-452-9990

Internal Standard Mixture - 525
500ug/ml in Acetone
LOT: 231-85B
FLAMMABLE-HARMFUL-IRRITANT

WARNING!: READ your MSDS before HANDLING chemical.

Prepared by: Jeff Hardy

Lab Notebook:

SAMPLE CHROMATOGRAPHY INFORMATION

Calculation Notes

Groundwater Analysis Sample Report calculations:

Spike amount = (Spike Concentration)(Spike Volume)/Final Extract Volume

Sample Chromatography Information calculations:

Spiked Sample Concentration = (Spike Volume in uL)(Mix Concentration)/Sample Mass (g)

ppb Detected = (ng/uL detected)(Dilution Volume 3mL)/Sample Mass (g)

% Recovery = (ppb Detected)/(Spiked Sample Concentration ppb) X 100

Lab Fortified Matrix 1

Analyte	Result Detected in Sample (ng/uL)	Sample Mass (g)	Final Volume (mL)	Result Detected ppb (ng/g)	Spike Mix Concentraiton (ng/ul)	Spike Level Concentration ppb (ng/g)	% Recovery
Propachlor	3.03	987.32	3	9.2	30	9.1	101
Trifluralin	2.95	987.32	3	9.0	40	12	75
Simazine	3.67	987.32	3	11	38	12	92
Prometon	2.42	987.32	3	7.4	25	7.6	97
Atrazine	1.73	987.32	3	5.3	18	5.5	96
Terbufos	4.22	987.32	3	13	48	15	87
Diazinon	2.64	987.32	3	8.0	28	8.5	94
Metribuzin	3.03	987.32	3	9.2	31	9.4	98
Acetochlor	1.97	987.32	3	6.0	20	6.1	98
Alachlor	1.94	987.32	3	5.9	20	6.1	97
Bromacil	4.43	987.32	3	13	41	12	108
Metolachlor	1.66	987.32	3	5.0	17	5.2	96
Cyanazine	2.59	987.32	3	7.9	25	7.6	104
Pendimethalin	2.00	987.32	3	6.1	25	7.6	80
Alpha-Endosulfan	1.74	987.32	3	5.3	20	6.1	87
Fenamiphos	6.01	987.32	3	18	60	18	100
Beta-Endosulfan	1.72	987.32	3	5.2	20	6.1	85

Notes:
(1) Spike Level Concentration = (Spike Volume in uL)(Mix Concentration) / Sample Mass(g)
(2) ppb Detected = (ng/uL detected)(Dilution Volume 3mL) / Sample Mass(g)
(3) % Recovery = (ppb Detected) / (Spiked Sample Concentration ppb) x 100

Lab Fortified Matrix 2

Analyte	Result Detected in Sample (ng/uL)	Sample Mass (g)	Final Volume (mL)	Result Detected ppb (ng/g)	Spike Mix Concentraiton (ng/ul)	Spike Level Concentration ppb (ng/g)	% Recovery
Propachlor	2.82	986.3	3	8.6	30	9.1	95
Trifluralin	3.03	986.30	3	9.2	40	12	77
Simazine	3.64	986.30	3	11	38	12	92
Prometon	2.37	986.30	3	7.2	25	7.6	95
Atrazine	1.69	986.30	3	5.1	18	5.5	93
Terbufos	4.12	986.30	3	13	48	15	87
Diazinon	2.51	986.30	3	7.6	28	8.5	89
Metribuzin	2.97	986.30	3	9.0	31	9.4	96
Acetochlor	1.88	986.30	3	5.7	20	6.1	93
Alachlor	1.90	986.30	3	5.8	20	6.1	95
Bromacil	4.42	986.30	3	13	41	12	108
Metolachlor	1.63	986.30	3	5.0	17	5.2	96
Cyanazine	2.58	986.30	3	7.8	25	7.6	103
Pendimethalin	2.06	986.30	3	6.3	25	7.6	83
Alpha-Endosulfan	1.72	986.30	3	5.2	20	6.1	85
Fenamiphos	6.30	986.30	3	19	60	18	106
Beta-Endosulfan	1.76	986.30	3	5.4	20	6.1	89

Notes:
(1) Spike Level Concentration = (Spike Volume in uL)(Mix Concentration) / Sample Mass(g)
(2) ppb Detected = (ng/uL detected)(Dilution Volume 3mL) / Sample Mass(g)
(3) % Recovery = (ppb Detected) / (Spiked Sample Concentration ppb) x 100

% Relative Difference

Analyte	Lab Fortified Matrix 1 % Recovered	Lab Fortified Matrix 2 % Recovered	% Relative Difference
Propachlor	101	95	6.1
Trifluralin	75	77	2.6
Simazine	92	92	0.0
Prometon	97	95	2.1
Atrazine	96	93	3.2
Terbufos	87	87	0.0
Diazinon	94	89	5.5
Metribuzin	98	96	2.1
Acetochlor	98	93	5.2
Alachlor	97	95	2.1
Bromacil	108	108	0.0
Metolachlor	96	96	0.0
Cyanazine	104	103	1.0
Pendimethalin	80	83	3.7
Alpha-Endosulfan	87	85	2.3
Fenamiphos	100	106	5.8
Beta-Endosulfan	85	89	4.6
1,3-Dimethyl-2-nitrobenzene	89	78	13.2
Pyrene d-10	96	92	4.3
Triphenylphosphate	105	104	1.0

Notes:

(1) % Relative Difference = (LFM1-LFM2)/[(LFM1+LFM2)/2] x 100

Where values for LFM1 and LFM2 are the % Recoveries

Laboratory Fortified Blank

Analyte	Result Detected in Sample (ng/uL)	Sample Mass (g)	Final Volume (mL)	Result Detected ppb (ng/g)	Spike Mix Concentraiton (ng/ul)	SpikeLevel Concentration ppb (ng/g)	% Recovery
Propachlor	2.99	952.19	3	9.4	30	9.5	99
Trifluralin	3.42	952.19	3	11	40	13	85
Simazine	3.67	952.19	3	12	38	12	100
Prometon	2.42	952.19	3	7.6	25	7.9	96
Atrazine	1.71	952.19	3	5.4	18	5.7	95
Terbufos	4.18	952.19	3	13	48	15	87
Diazinon	2.64	952.19	3	8.3	28	8.8	94
Metribuzin	3.10	952.19	3	9.8	31	9.8	100
Acetochlor	1.96	952.19	3	6.2	20	6.3	98
Alachlor	1.90	952.19	3	6.0	20	6.3	95
Bromacil	4.46	952.19	3	14	41	13	108
Metolachlor	1.63	952.19	3	5.1	17	5.4	94
Cyanazine	2.69	952.19	3	8.5	25	7.9	108
Pendimethalin	2.18	952.19	3	6.9	25	7.9	87
Alpha-Endosulfan	1.78	952.19	3	5.6	20	6.3	89
Fenamiphos	5.90	952.19	3	19	60	19	100
Beta-Endosulfan	1.80	952.19	3	5.7	20	6.3	90

Notes:
(1) Spike Level Concentration = (Spike Volume in uL)(Mix Concentration) / Sample Mass(g))
(2) ppb Detected = (ng/uL detected)(Dilution Volume 3mL) / Sample Mass(g)
(3) % Recovery = (ppb Detected) / (Spiked Sample Concentration ppb) x 100

CCVS Report

Analyte	CAL Level 3 (ng/uL) Detected	CCVS-1 (ng/uL) Detected	CCVS-1 %	CCVS-2 (ng/uL) Detected	CCVS-2 %	CCVS-3 (ng/uL) Detected	CCVS-3 %
Propachlor	2.92	2.72	93	2.91	100	3.16	108
Trifluralin	4.00	3.70	93	3.71	93	4.28	107
Simazine	3.72	3.45	93	3.64	98	3.93	106
Prometon	2.43	2.23	92	2.37	98	2.61	107
Atrazine	1.80	1.62	90	1.72	96	1.83	102
Terbufos	4.86	4.54	93	4.72	97	5.28	109
Diazinon	2.74	2.49	91	2.62	96	2.87	105
Metribuzin	3.11	2.82	91	2.99	96	3.28	105
Acetochlor	1.98	1.82	92	1.92	97	2.02	102
Alachlor	1.97	1.77	90	1.92	97	2.05	104
Bromacil	4.25	3.85	91	4.19	99	4.47	105
Metolachlor	1.66	1.50	90	1.63	98	1.76	106
Cyanazine	2.53	2.26	89	2.38	94	2.79	110
Pendimethalin	2.51	2.32	92	2.30	92	2.59	103
Alpha-Endosulfan	2.03	1.84	91	1.97	97	2.05	101
Fenamiphos	6.06	5.28	87	5.86	97	6.60	109
Beta-Endosulfan	1.98	1.85	93	1.88	95	2.06	104
1,3-Dimethyl-2-nitrobenzene	1.51	1.35	89	1.41	93	1.51	100
Pyrene d-10	1.49	1.35	91	1.40	94	1.51	101
Triphenylphosphate	1.51	1.36	90	1.49	99	1.62	107

Notes:
% = (CCVS/CAL Level 3)X100

Internal Standard Report

	Calibration Level-1	Calibration Level-2	Calibration Level-3	Calibration Level-4	Calibration Level-5	Calibration Level-6	Mean Response	Standard Deviation	RSD
Acenaphthene-d10	233796	233999	238791	231552	237380	236879	235400	2718.43	1.15481
Phenanthrene-d10	358424	365448	377492	370184	380133	384397	372680	9775.0	2.62289
Chrysene-d12	266051	281826	290527	281389	298951	292656	285233	11538.1	4.04515

	Acenaphthene-d10		Phenanthrene-d10		Chrysene-d12	
Sample	Response	%	Response	%	Response	%
DK13778	257416	109%	377881	101%	300404	105%
DK13779	253648	108%	369987	99%	305865	107%
DK13780	253499	108%	370947	100%	293311	103%
DK13781	246410	105%	351716	94%	284093	100%
DK13782	296379	126%	428313	115%	357934	125%
DK13785	245050	104%	351646	94%	273414	96%
DK13786	240254	102%	346701	93%	276612	97%
DK13787	255952	109%	375781	101%	306869	108%
DK13788	254289	108%	377826	101%	298175	105%
DK13790	256199	109%	374294	100%	305904	107%
DK13791	257807	110%	377519	101%	304098	107%
DK13792	266364	113%	401086	108%	326281	114%
DK14040	280788	119%	414097	111%	347282	122%
DK14041	267706	114%	397037	107%	330083	116%
DK14042	261684	111%	394833	106%	316048	111%
LRB	240880	102%	365804	98%	293827	103%
LFM1	260159	111%	392560	105%	319707	112%
LFM2	260146	111%	394382	106%	326171	114%
LFB	267811	114%	404270	108%	338722	119%

Notes:

% = Response/ Mean Response X 100

RSD = Standard Deviation/ Mean Response X 100

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13778.D Vial: 9
Acq On : 28 Jun 2000 22:54 Operator: Jeff Hardy
Sample : dk13778 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	239	36421	1.53	ng/uL	0.00
Spiked Amount 1.700			Recovery = 90.00%			
18) Pyrene d-10	22.38	3201	212354	1.36	ng/uL	0.00
Spiked Amount 1.600			Recovery = 85.00%			
22) TPP	24.59	3587	52686	1.47	ng/uL	0.00
Spiked Amount 1.700			Recovery = 86.47%			

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1037	257416	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	377881	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	300404	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

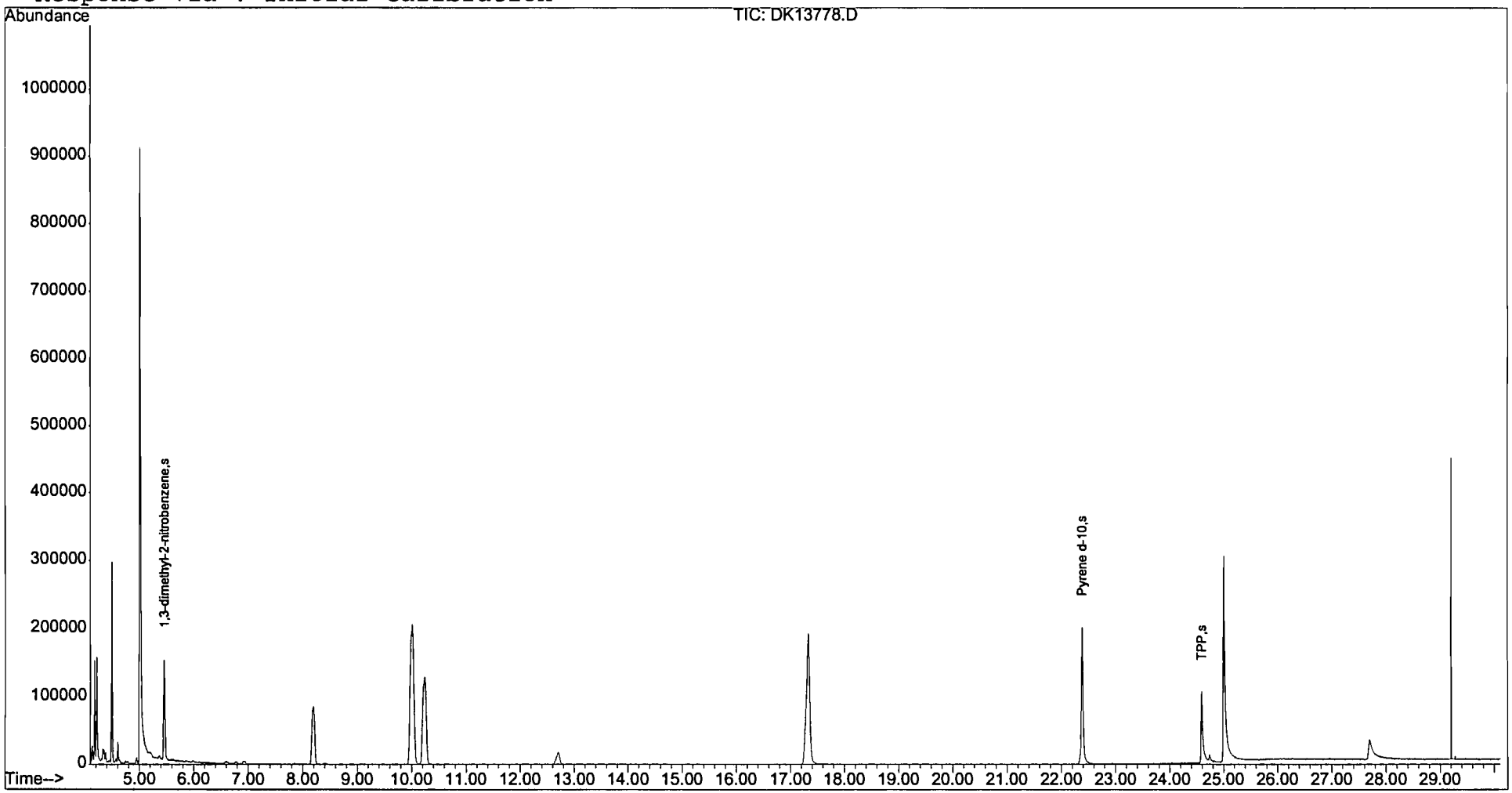
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13778.D
Acq On : 28 Jun 2000 22:54
Sample : dk13778
Misc :

Vial: 9
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13779.D Vial: 10
Acq On : 28 Jun 2000 23:34 Operator: Jeff Hardy
Sample : dk13779 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	35935	1.51 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 88.82%	
18) Pyrene d-10	22.38	3201	216877	1.39 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 86.87%	
22) TPP	24.59	3587	51817	1.45 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 85.29%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1037	253648	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	369987	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.01	3660	305865	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

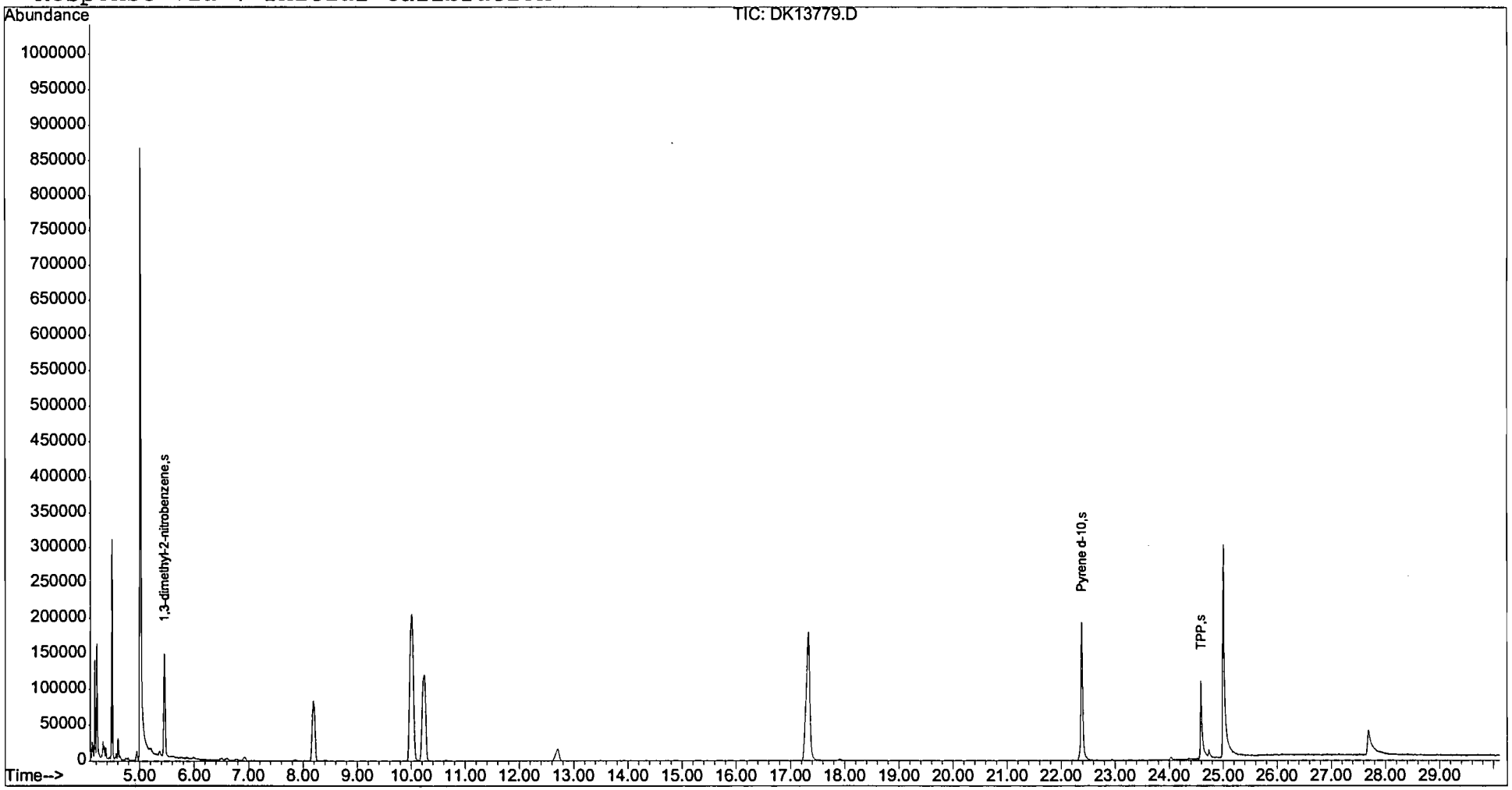
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13779.D
Acq On : 28 Jun 2000 23:34
Sample : dk13779
Misc :

Vial: 10
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13780.D Vial: 11
Acq On : 29 Jun 2000 00:14 Operator: Jeff Hardy
Sample : dk13780 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	34791	1.47 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 86.47%	
18) Pyrene d-10	22.38	3201	198299	1.29 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 80.63%	
22) TPP	24.59	3587	48485	1.38 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 81.18%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1037	253499	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	370947	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	293311	No Calib	

(#) = qualifier out of range (m) = manual integration

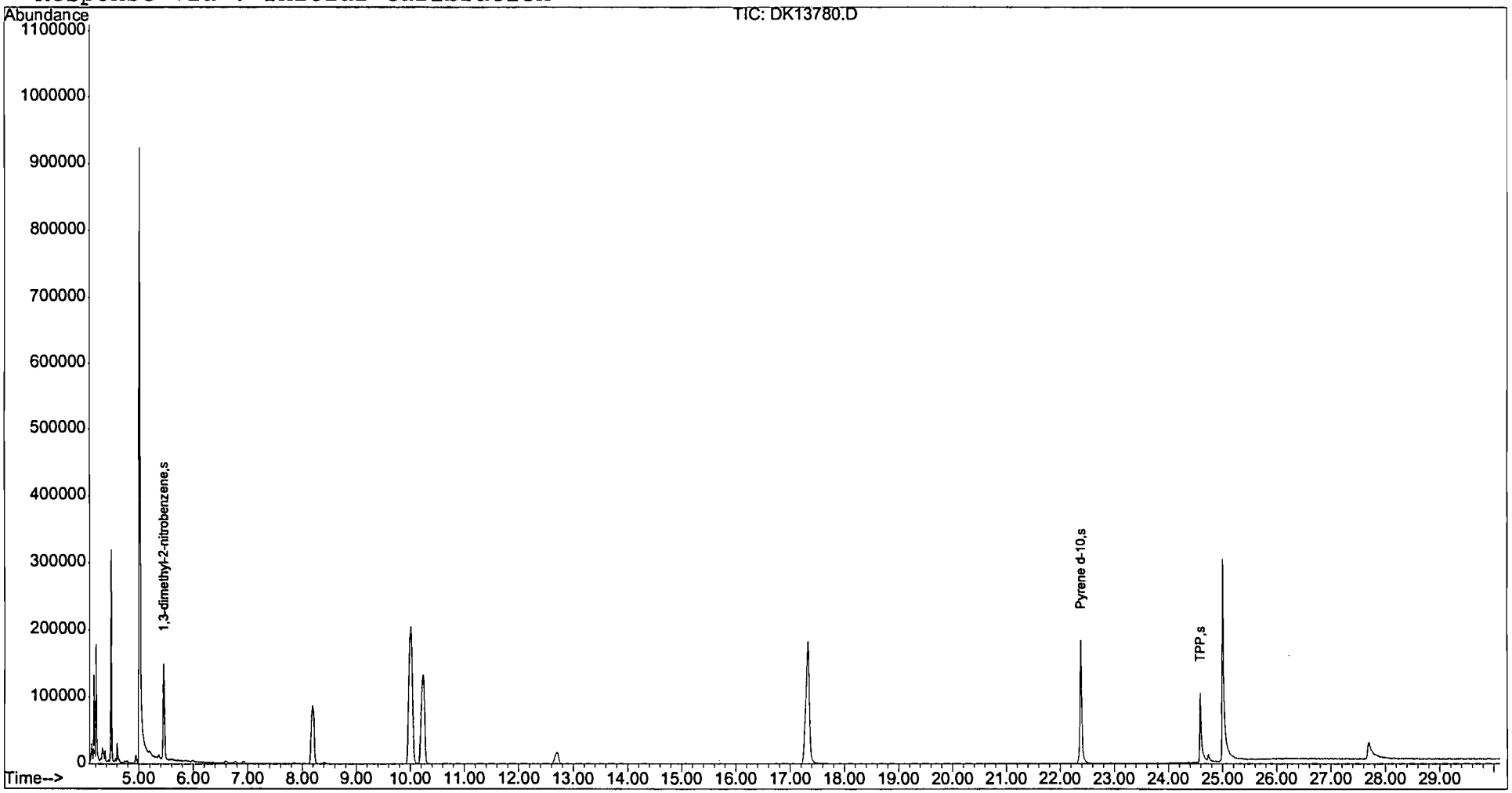
Quantitation Report

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13780.D
Acq On : 29 Jun 2000 00:14
Sample : dk13780
Misc :

Vial: 11
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000
Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13781.D Vial: 12
Acq On : 29 Jun 2000 00:54 Operator: Jeff Hardy
Sample : dk13781 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	27357	1.17 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 68.82%	
18) Pyrene d-10	22.38	3201	167082	1.11 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 69.38%	
22) TPP	24.59	3587	39247	1.18 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 69.41%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	246410	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.34	2318	351716	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	284093	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

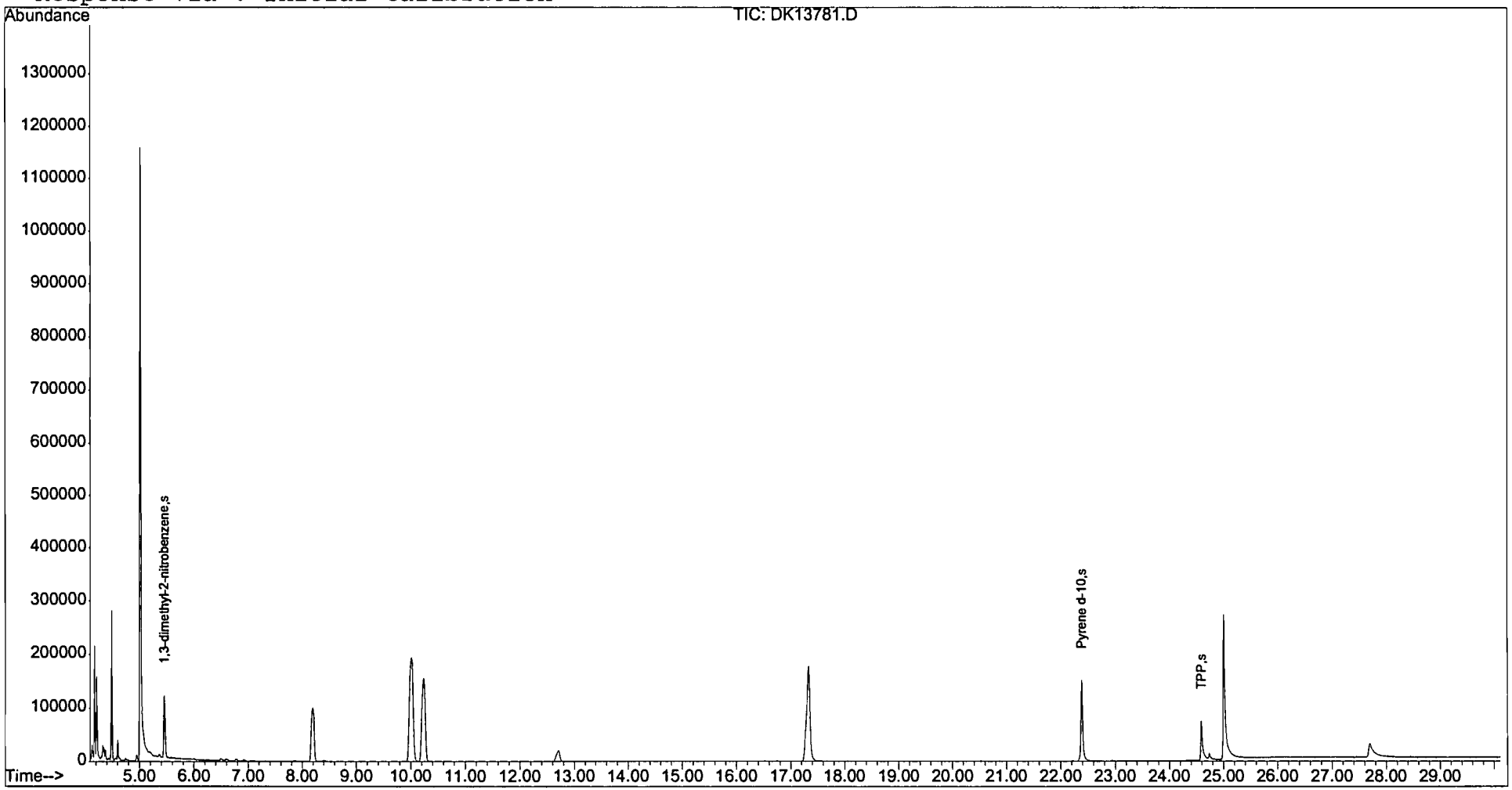
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13781.D
Acq On : 29 Jun 2000 00:54
Sample : dk13781
Misc :

Vial: 12
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13782.D Vial: 13
Acq On : 29 Jun 2000 1:35 Operator: Jeff Hardy
Sample : dk13782 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	33495	1.42	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	83.53%	
18) Pyrene d-10	22.38	3201	191965	1.25	ng/uL	0.00
Spiked Amount 1.600			Recovery	=	78.13%	
22) TPP	24.59	3587	45998	1.33	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	78.24%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	296379	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.34	2318	428313	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	357934	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

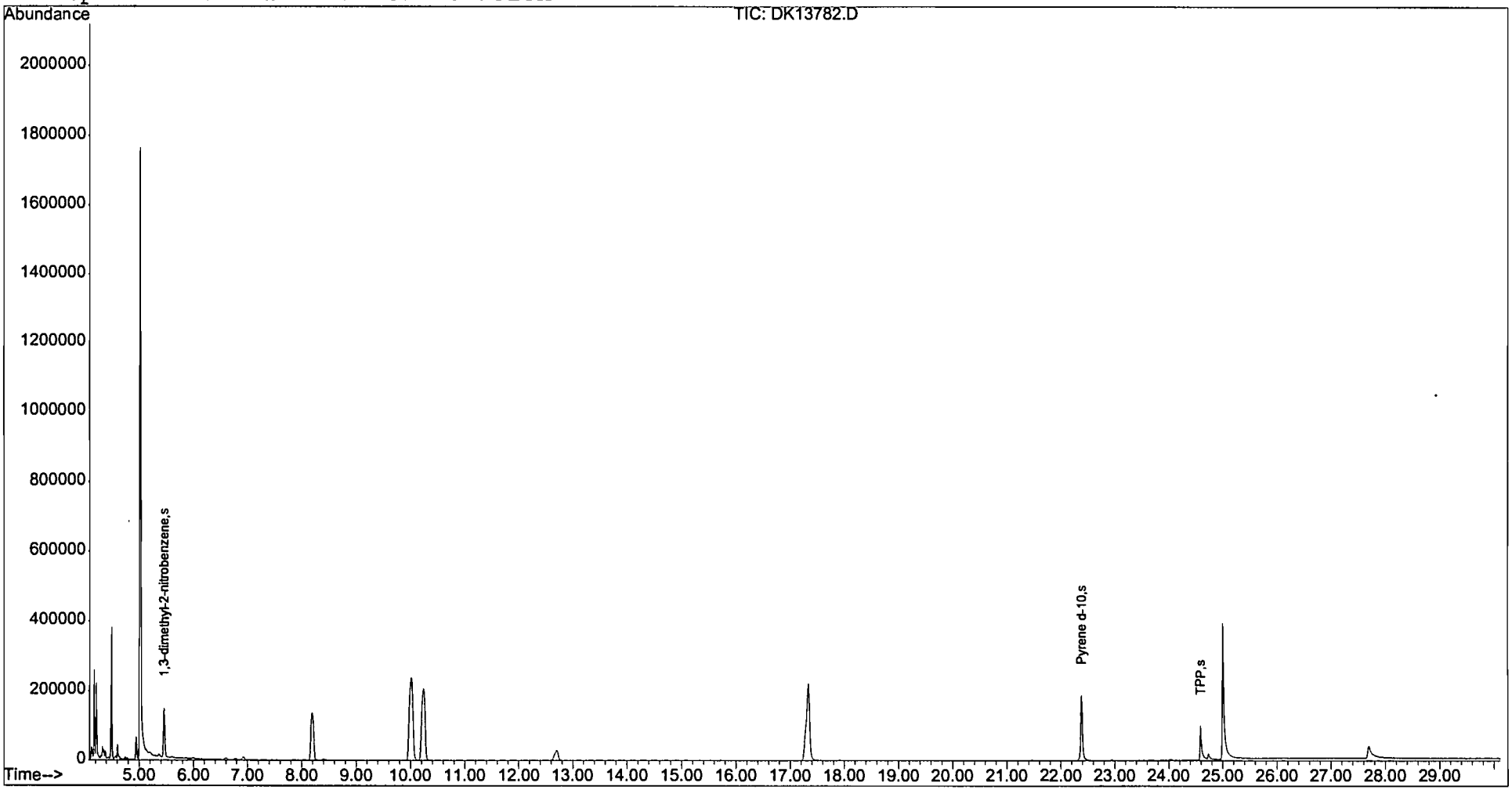
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13782.D
Acq On : 29 Jun 2000 1:35
Sample : dk13782
Misc :

Vial: 13
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13785.D Vial: 14
Acq On : 29 Jun 2000 2:15 Operator: Jeff Hardy
Sample : dk13785 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	31276	1.33 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 78.24%	
18) Pyrene d-10	22.39	3201	195377	1.27 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 79.38%	
22) TPP	24.59	3587	47375	1.36 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 80.00%	
Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1037	245050	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	351646	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	273414	No Calib	

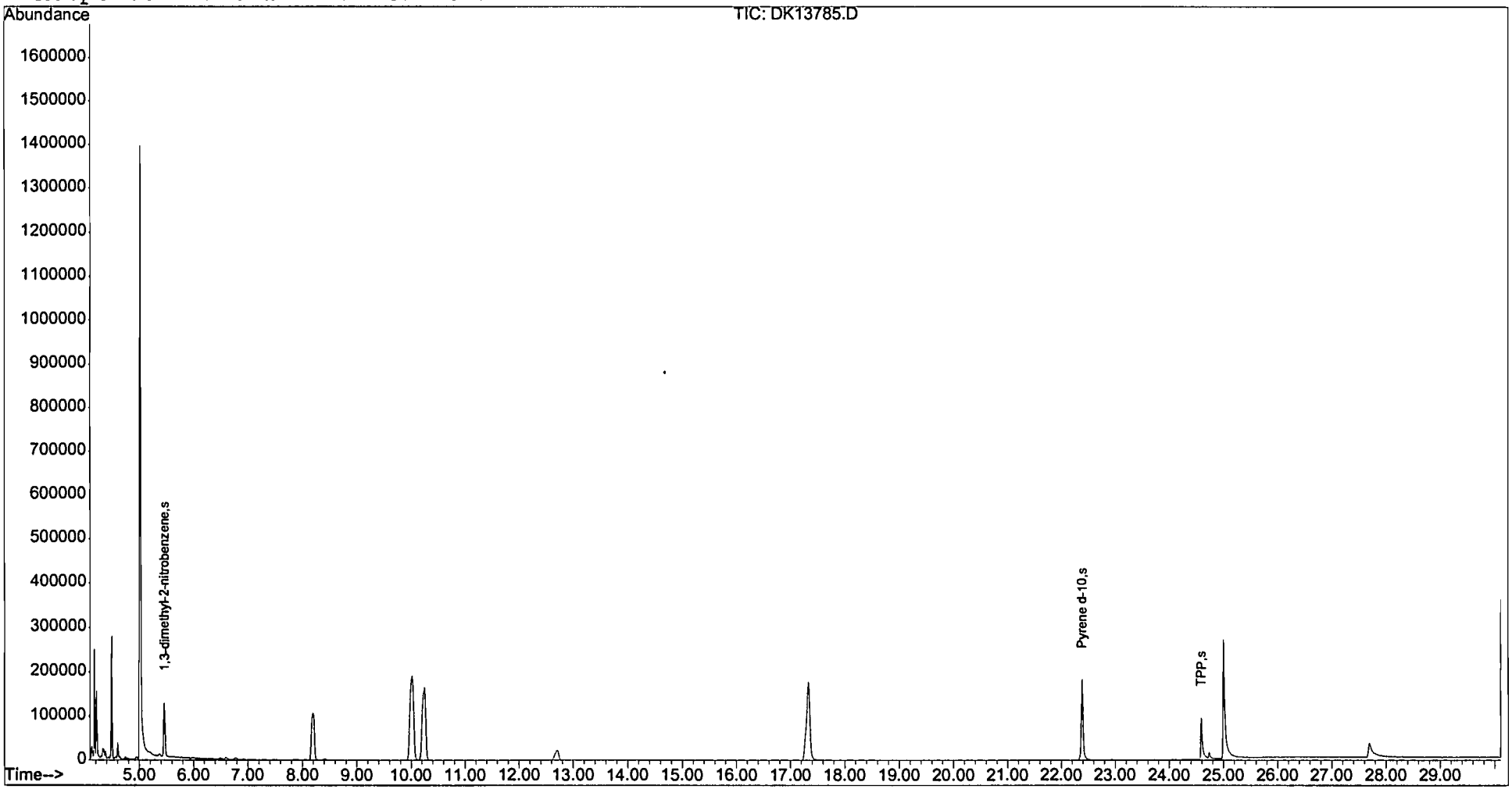
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13785.D Vial: 14
Acq On : 29 Jun 2000 2:15 Operator: Jeff Hardy
Sample : dk13785 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13786.D Vial: 15
Acq On : 29 Jun 2000 2:55 Operator: Jeff Hardy
Sample : dk13786 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	28933	1.24 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 72.94%	
18) Pyrene d-10	22.39	3201	163976	1.09 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 68.13%	
22) TPP	24.59	3587	41096	1.22 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 71.76%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	240254	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.34	2318	346701	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	276612	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

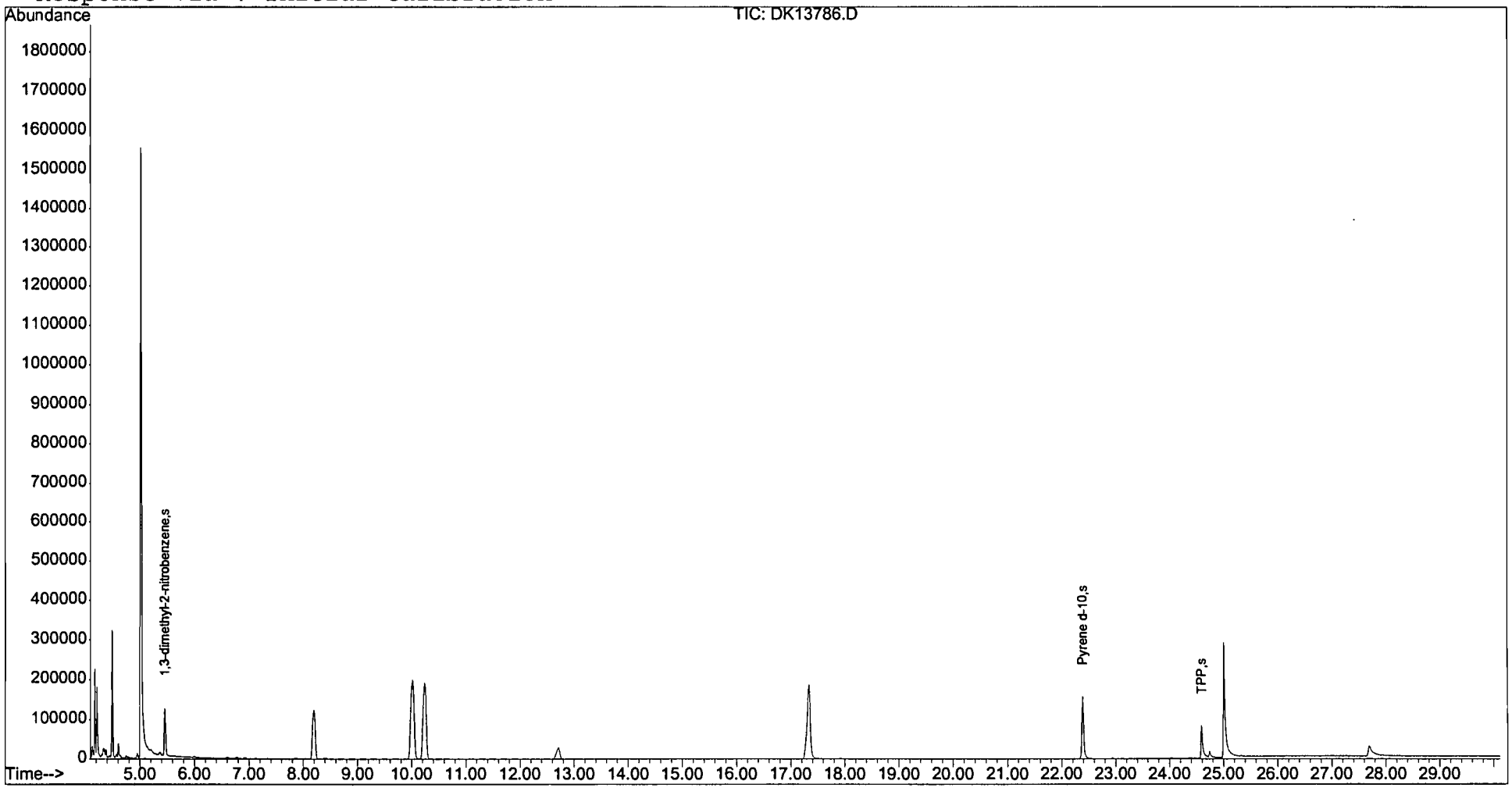
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13786.D
Acq On : 29 Jun 2000 2:55
Sample : dk13786
Misc :

Vial: 15
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:13 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13787.D Vial: 16
Acq On : 29 Jun 2000 3:35 Operator: Jeff Hardy
Sample : dk13787 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	32720	1.39	ng/uL	0.00
Spiked Amount 1.700			Recovery = 81.76%			
18) Pyrene d-10	22.38	3201	207529	1.34	ng/uL	0.00
Spiked Amount 1.600			Recovery = 83.75%			
22) TPP	24.59	3587	50294	1.42	ng/uL	0.00
Spiked Amount 1.700			Recovery = 83.53%			

Target Compounds					Qvalue
2) Acenaphthene-d10	10.00	1035	255952	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.34	2318	375781	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	306869	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

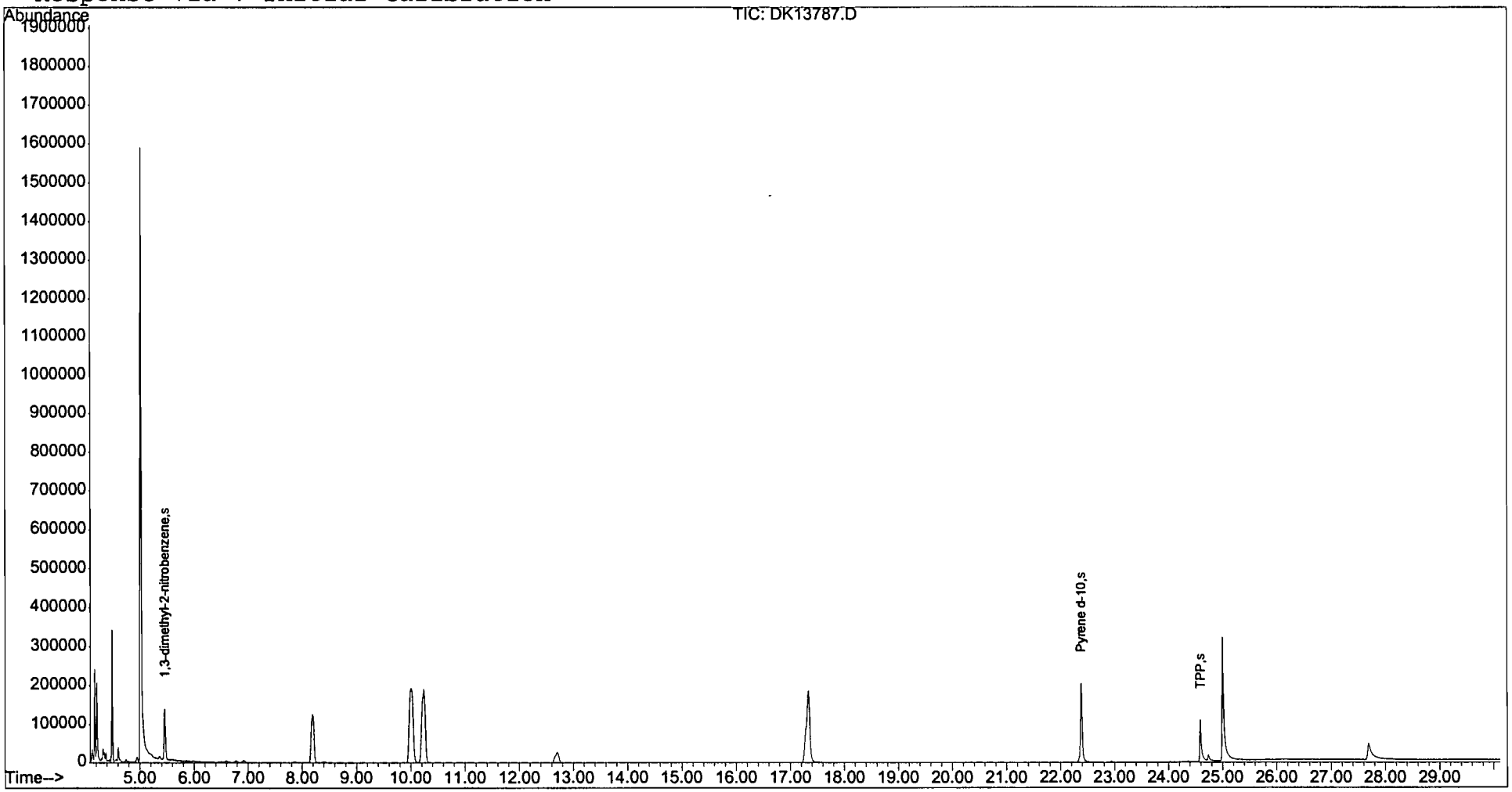
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13787.D
Acq On : 29 Jun 2000 3:35
Sample : dk13787
Misc :

Vial: 16
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13788.D
Acq On : 29 Jun 2000 4:16
Sample : dk13788
Misc :

Vial: 17
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	35905	1.51 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 88.82%	
18) Pyrene d-10	22.38	3201	207101	1.33 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 83.13%	
22) TPP	24.59	3587	53477	1.49 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 87.65%	

Target Compounds				Qvalue
2) Acenaphthene-d10	10.02	1037	254289	No Calib
3) Propachlor	0.00		0	N.D.
4) Trifluralin	0.00		0	N.D.
5) Simazine	0.00		0	N.D.
6) Prometon	0.00		0	N.D.
7) Atrazine	0.00		0	N.D.
8) Phenanthrene-d10	17.34	2318	377826	No Calib
9) Terbufos	0.00		0	N.D.
10) Diazinon	0.00		0	N.D.
11) Metribuzin	0.00		0	N.D.
12) Acetochlor	0.00		0	N.D.
13) Alachlor	0.00		0	N.D.
14) Bromacil	0.00		0	N.D.
15) Metolachlor	0.00		0	N.D.
16) Cyanazine	0.00		0	N.D.
17) Pendimethalin	0.00		0	N.D.
19) Alpha-Endosulfan	0.00		0	N.D.
20) Fenamiphos	0.00		0	N.D.
21) Beta-Endosulfan	0.00		0	N.D.
23) Chrysene-d12	25.00	3659	298175	No Calib

(#) = qualifier out of range (m) = manual integration

Quantitation Report

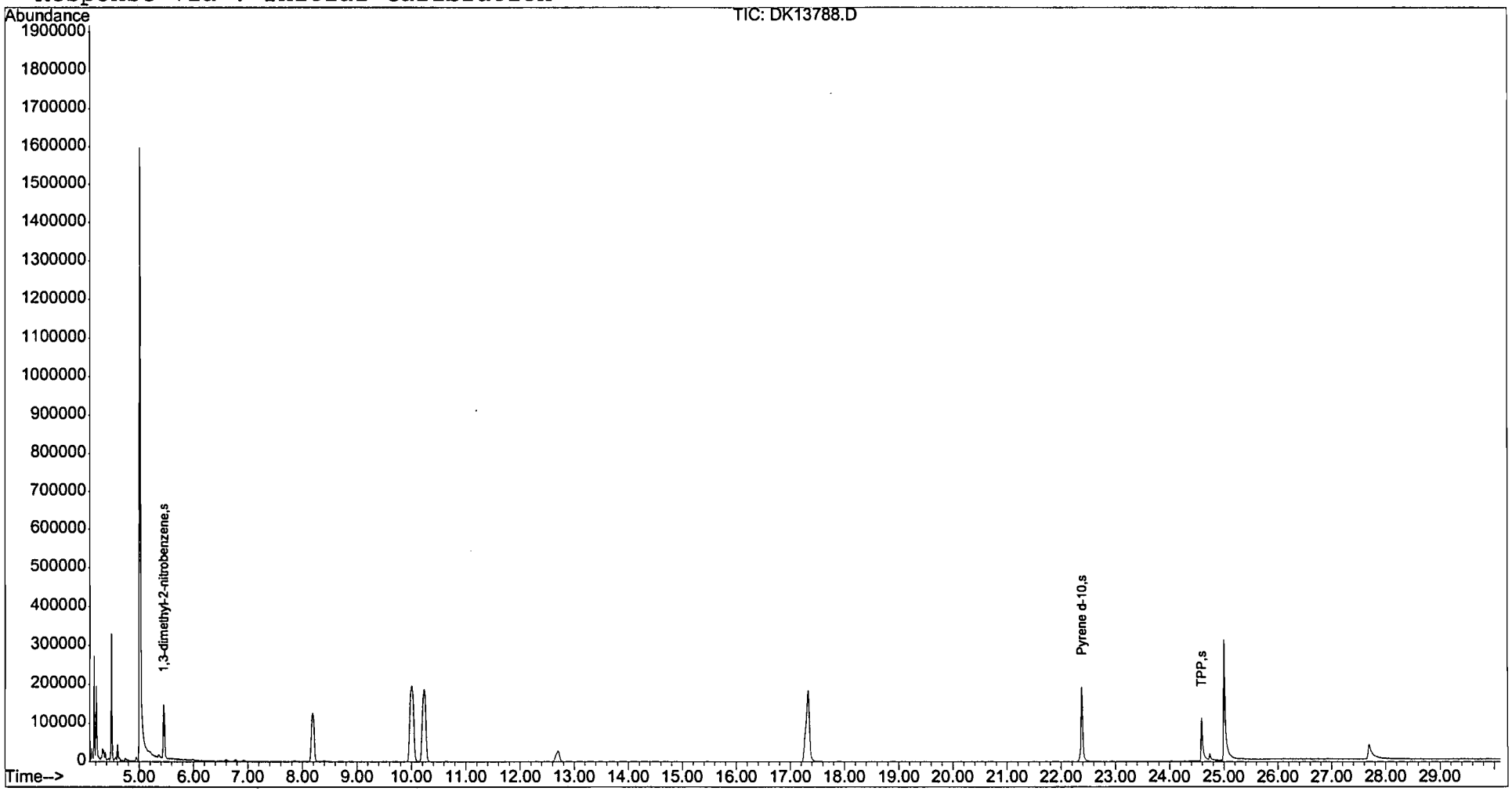
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13788.D
Acq On : 29 Jun 2000 4:16
Sample : dk13788
Misc :

Vial: 17
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13790.D Vial: 18
Acq On : 29 Jun 2000 5:36 Operator: Jeff Hardy
Sample : dk13790 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	239	37671	1.58 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 92.94%	
18) Pyrene d-10	22.39	3201	227488	1.45 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 90.62%	
22) TPP	24.59	3587	57429	1.57 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 92.35%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	256199	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2316	374294	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	305904	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

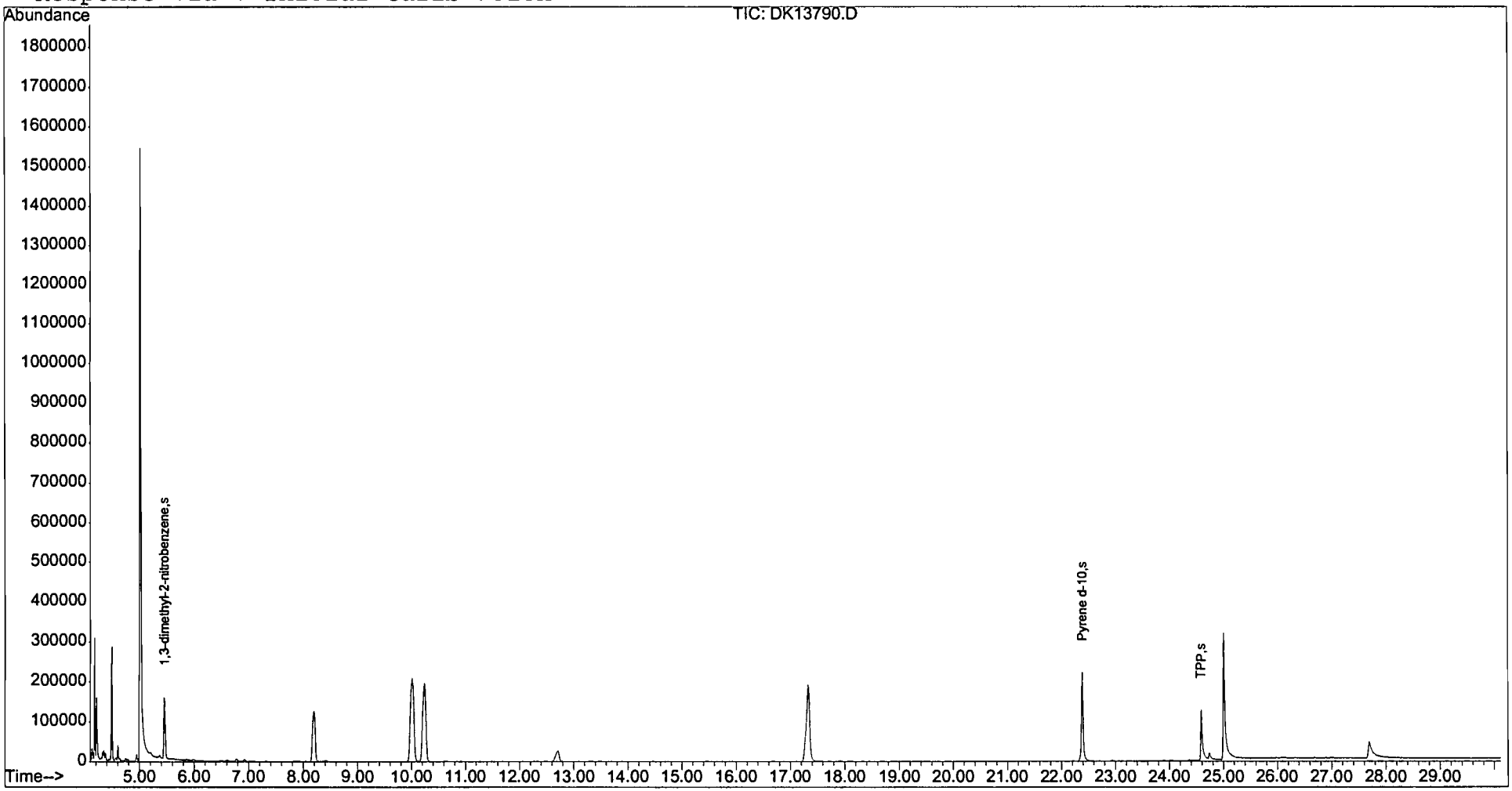
Data File : C:\HPCHEM\1\DATA\BATCH93\DK13790.D
Acq On : 29 Jun 2000 5:36
Sample : dk13790
Misc :

Vial: 18
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13791.D Vial: 19
Acq On : 29 Jun 2000 6:16 Operator: Jeff Hardy
Sample : dk13791 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	36850	1.55	ng/uL	0.00
Spiked Amount 1.700			Recovery = 91.18%			
18) Pyrene d-10	22.38	3201	229181	1.46	ng/uL	0.00
Spiked Amount 1.600			Recovery = 91.25%			
22) TPP	24.59	3587	58020	1.59	ng/uL	0.00
Spiked Amount 1.700			Recovery = 93.53%			

Target Compounds				Qvalue
2) Acenaphthene-d10	10.02	1038	257807	No Calib
3) Propachlor	0.00		0	N.D.
4) Trifluralin	0.00		0	N.D.
5) Simazine	0.00		0	N.D.
6) Prometon	0.00		0	N.D.
7) Atrazine	0.00		0	N.D.
8) Phenanthrene-d10	17.34	2318	377519	No Calib
9) Terbufos	0.00		0	N.D.
10) Diazinon	0.00		0	N.D.
11) Metribuzin	0.00		0	N.D.
12) Acetochlor	0.00		0	N.D.
13) Alachlor	0.00		0	N.D.
14) Bromacil	0.00		0	N.D.
15) Metolachlor	0.00		0	N.D.
16) Cyanazine	0.00		0	N.D.
17) Pendimethalin	0.00		0	N.D.
19) Alpha-Endosulfan	0.00		0	N.D.
20) Fenamiphos	0.00		0	N.D.
21) Beta-Endosulfan	0.00		0	N.D.
23) Chrysene-d12	25.01	3660	304098	No Calib

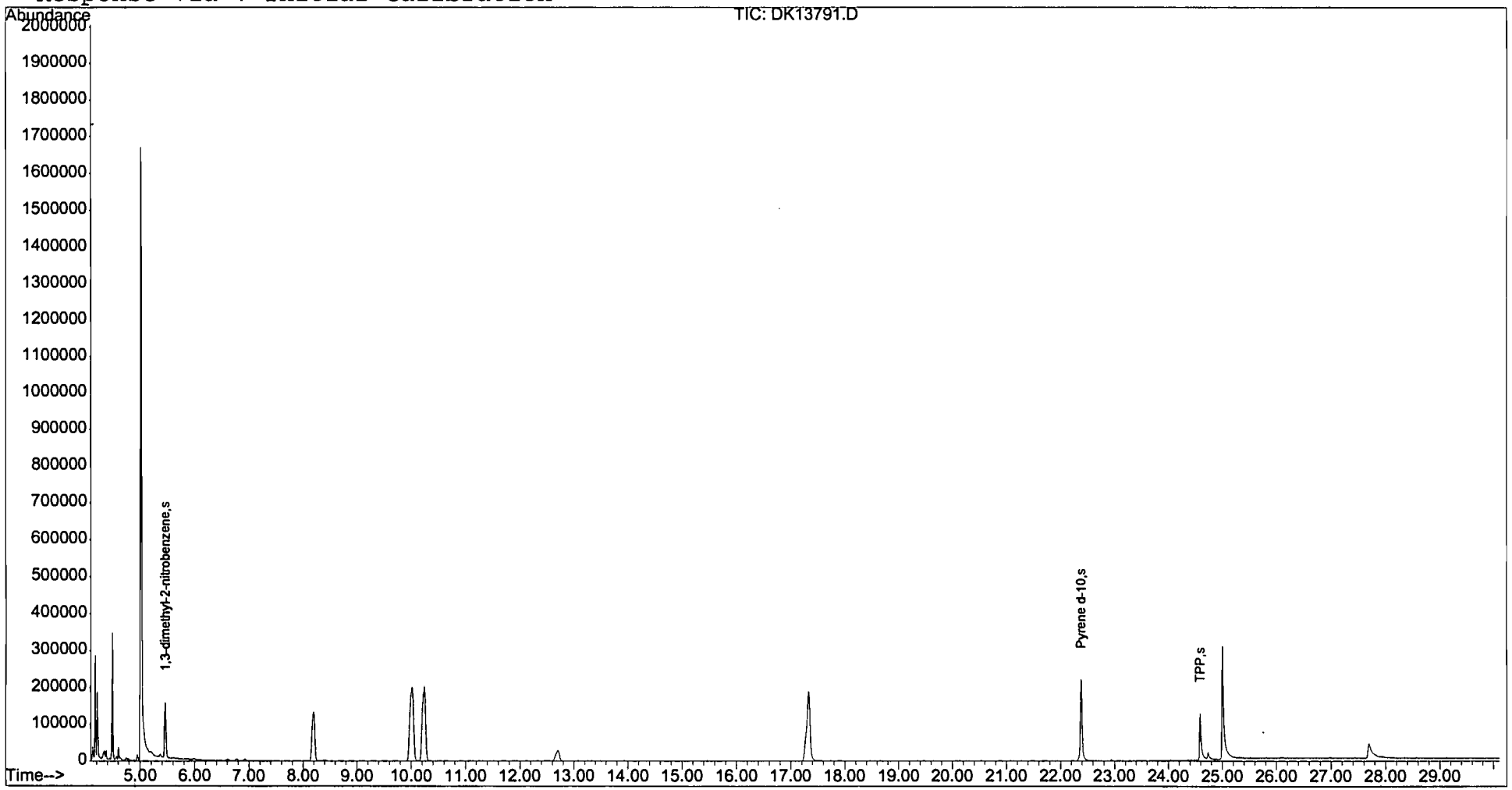
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13791.D Vial: 19
Acq On : 29 Jun 2000 6:16 Operator: Jeff Hardy
Sample : dk13791 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13792.D Vial: 20
Acq On : 29 Jun 2000 6:57 Operator: Jeff Hardy
Sample : dk13792 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.45	239	34003	1.44 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 84.71%	
18) Pyrene d-10	22.38	3201	225856	1.44 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 90.00%	
22) TPP	24.59	3587	59359	1.61 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 94.71%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	266364	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	401086	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	~~18.04~~	~~2441~~	~~66~~	~~0.53 ng/uL#~~ BDL	13
11) Metribuzin	0.00		0	N.D.	JH 11/9/01
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	326281	No Calib	

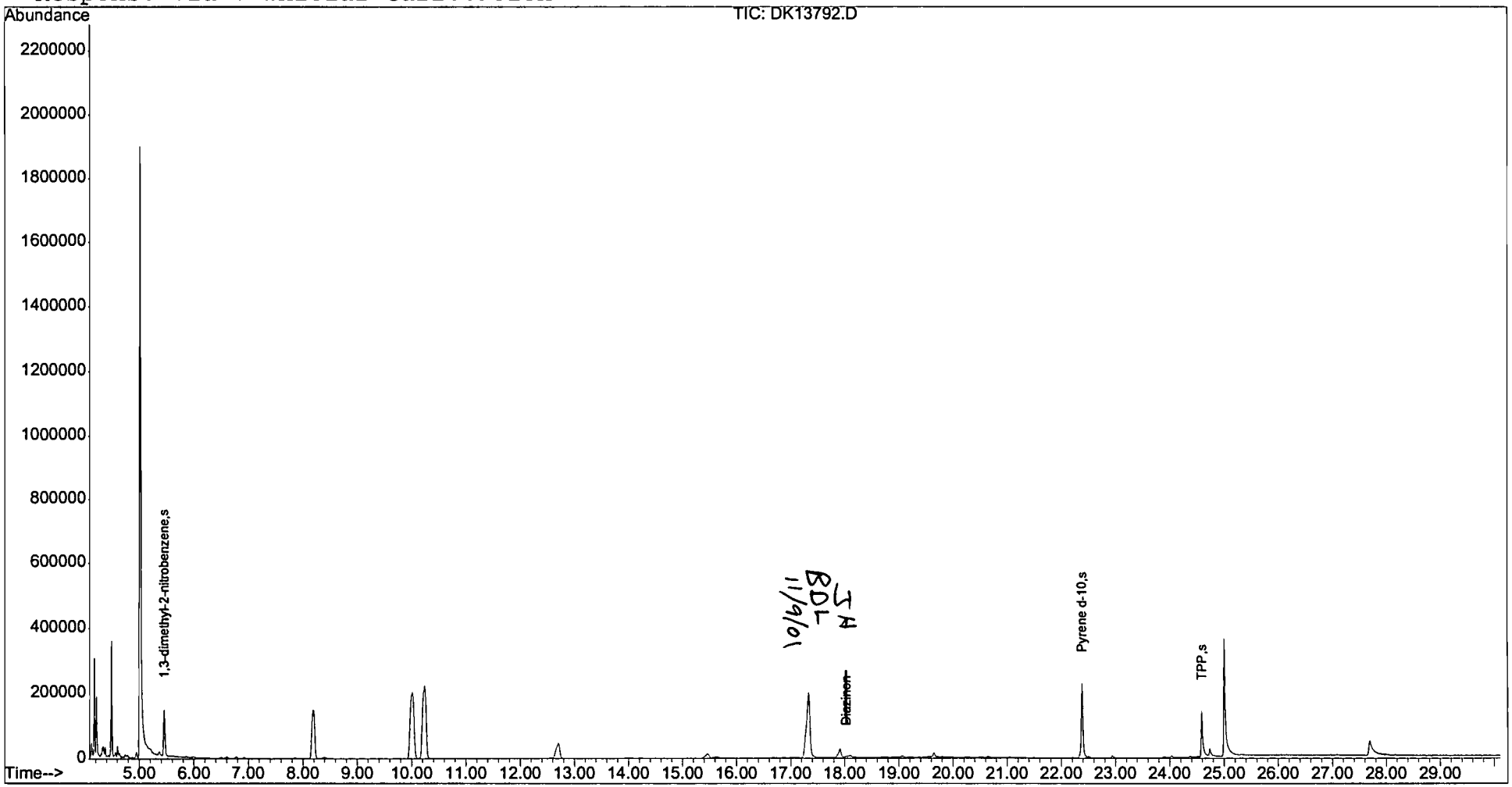
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BATCH93\DK13792.D Vial: 20
Acq On : 29 Jun 2000 6:57 Operator: Jeff Hardy
Sample : dk13792 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK14040.D Vial: 21
Acq On : 29 Jun 2000 7:37 Operator: Jeff Hardy
Sample : dk14040 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	37941	1.59	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	93.53%	
18) Pyrene d-10	22.38	3201	244438	1.54	ng/uL	0.00
Spiked Amount 1.600			Recovery	=	96.25%	
22) TPP	24.59	3587	63931	1.71	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	100.59%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1037	280788	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	414097	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	347282	No Calib	

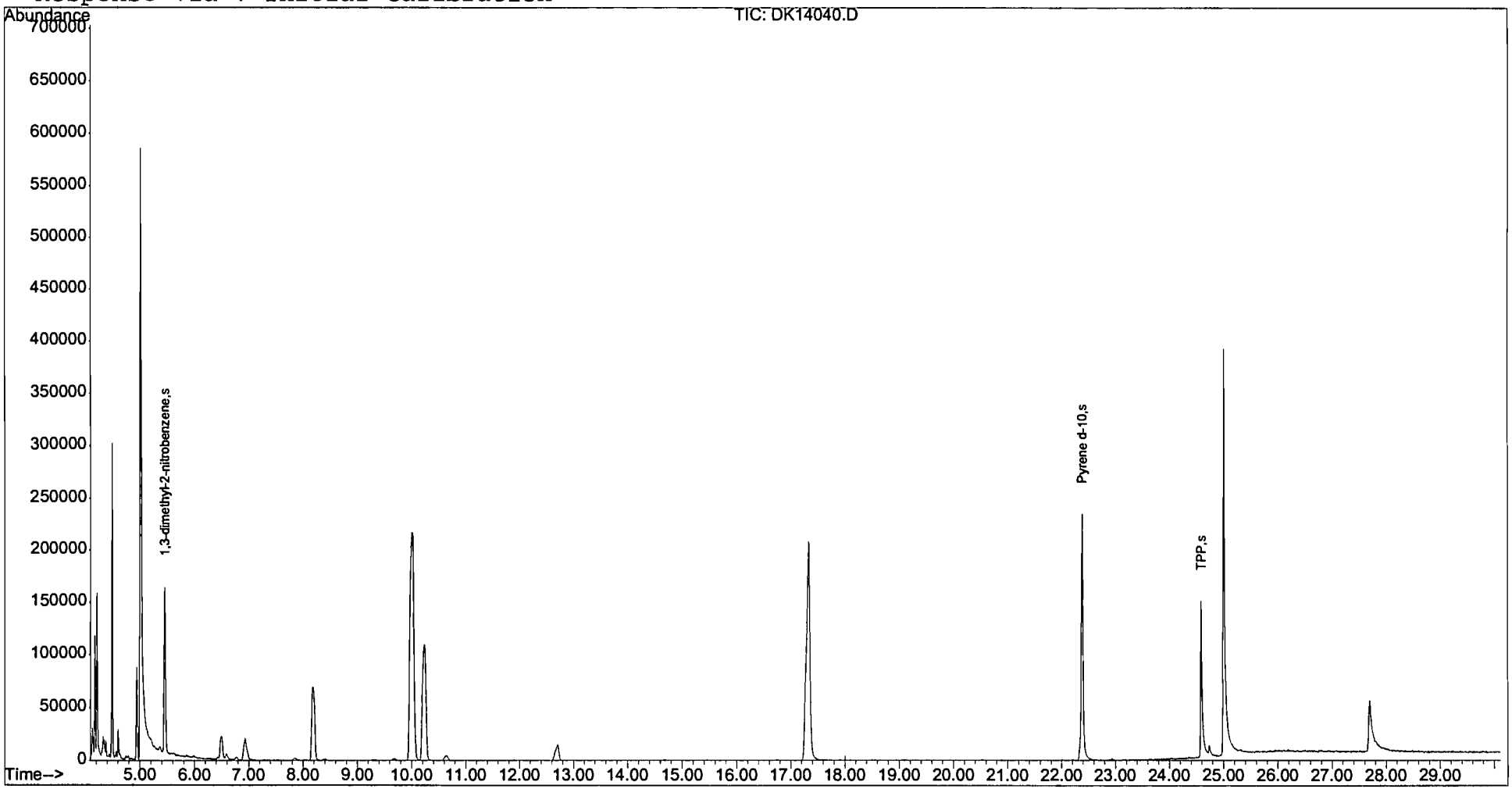
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\BATCH93\DK14040.D Vial: 21
Acq On : 29 Jun 2000 7:37 Operator: Jeff Hardy
Sample : dk14040 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK14041.D Vial: 22
Acq On : 29 Jun 2000 8:17 Operator: Jeff Hardy
Sample : dk14041 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	36870	1.55 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 91.18%	
18) Pyrene d-10	22.38	3201	234878	1.49 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 93.12%	
22) TPP	24.59	3587	57790	1.58 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 92.94%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	267706	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	397037	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	330083	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

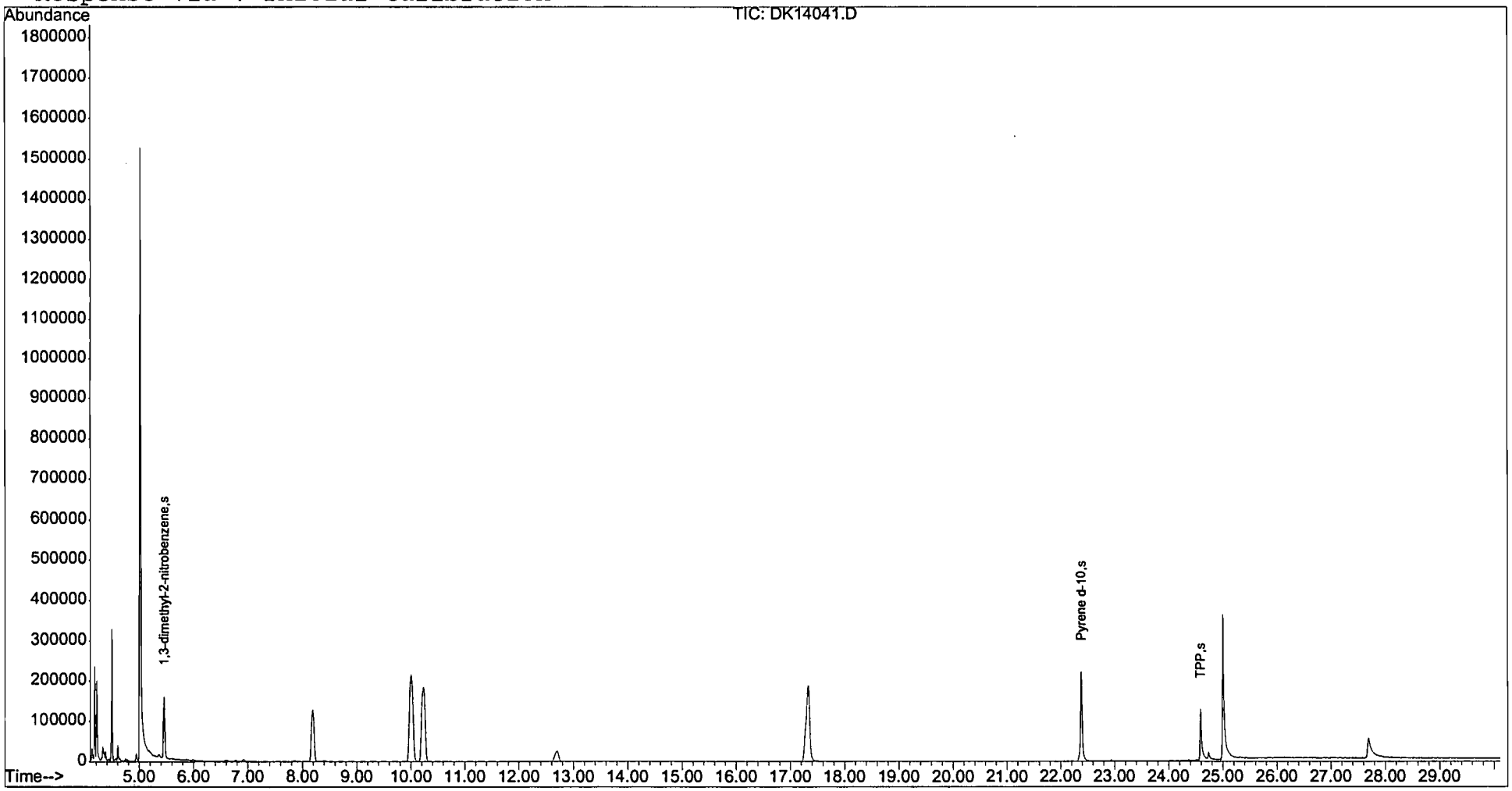
Data File : C:\HPCHEM\1\DATA\BATCH93\DK14041.D
Acq On : 29 Jun 2000 8:17
Sample : dk14041
Misc :

Vial: 22
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:14 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\DK14042.D
Acq On : 29 Jun 2000 8:58
Sample : dk14042
Misc :

Vial: 23
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000
Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	36263	1.53 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 90.00%	
18) Pyrene d-10	22.38	3201	232739	1.48 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 92.50%	
22) TPP	24.59	3587	61580	1.66 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 97.65%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	261684	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.34	2318	394833	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	~~20.54~~	~~2878~~	~~58~~	~~0.56 ng/uL#~~	JH 93
15) Metolachlor	0.00		0	N.D.	BDL
16) Cyanazine	0.00		0	N.D.	11/9/01
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	316048	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

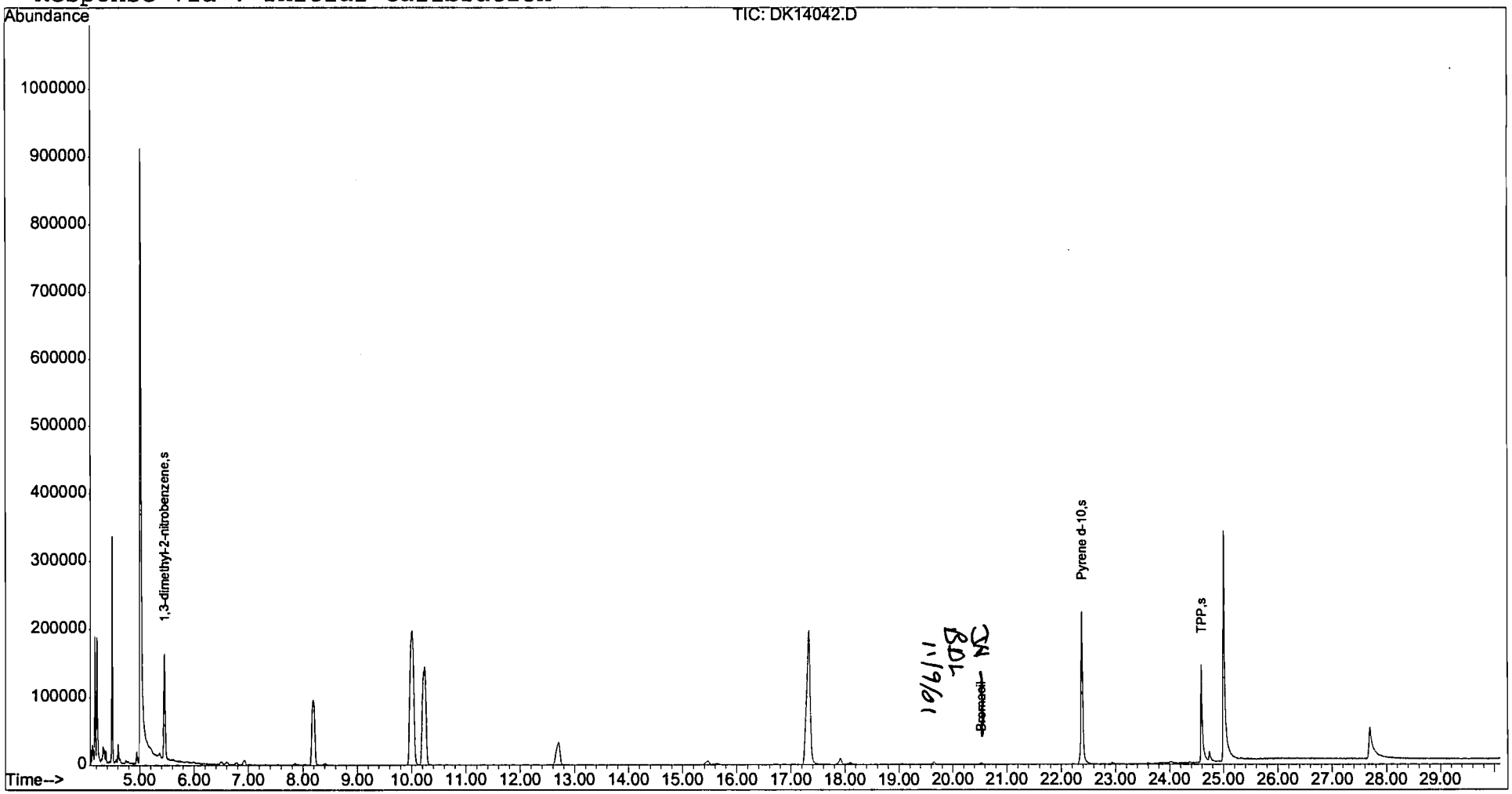
Data File : C:\HPCHEM\1\DATA\BATCH93\DK14042.D
Acq On : 29 Jun 2000 8:58
Sample : dk14042
Misc :

Vial: 23
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\LFB93.D
Acq On : 29 Jun 2000 10:59
Sample : LFB 93
Misc :

Vial: 26
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	35470	1.50	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	88.24%	
18) Pyrene d-10	22.38	3201	234270	1.49	ng/uL	0.00
Spiked Amount 1.600			Recovery	=	93.12%	
22) TPP	24.59	3587	67925	1.79	ng/uL	0.00
Spiked Amount 1.700			Recovery	=	105.29%	

Target Compounds						Qvalue
2) Acenaphthene-d10	10.02	1037	267811	No Calib		
3) Propachlor	13.09	1574	130659	2.99	ng/uL	96
4) Trifluralin	15.10	1926	61605	3.42	ng/uL	98
5) Simazine	16.54	2178	74176	3.67	ng/uL	99
6) Prometon	16.69	2204	63069	2.42	ng/uL	97
7) Atrazine	16.83	2229	56497	1.71	ng/uL	99
8) Phenanthrene-d10	17.33	2317	404270	No Calib		
9) Terbufos	17.45	2338	121962	4.18	ng/uL	93
10) Diazinon	18.06	2445	51540	2.64	ng/uL	99
11) Metribuzin	19.29	2660	81736	3.10	ng/uL	99
12) Acetochlor	19.50	2696	31133	1.96	ng/uL	95
13) Alachlor	19.80	2748	41192	1.90	ng/uL	97
14) Bromacil	20.46	2864	112392	4.46	ng/uL	98
15) Metolachlor	20.81	2926	102772	1.63	ng/uL	96
16) Cyanazine	20.95	2950	16812	2.69	ng/uL	93
17) Pendimethalin	21.77	3094	39234	2.18	ng/uL	96
19) Alpha-Endosulfan	22.58	3235	8558	1.78	ng/uL	95
20) Fenamiphos	22.82	3278	88603	5.90	ng/uL	83
21) Beta-Endosulfan	23.63	3419	9433	1.80	ng/uL	99
23) Chrysene-d12	25.00	3659	338722	No Calib		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

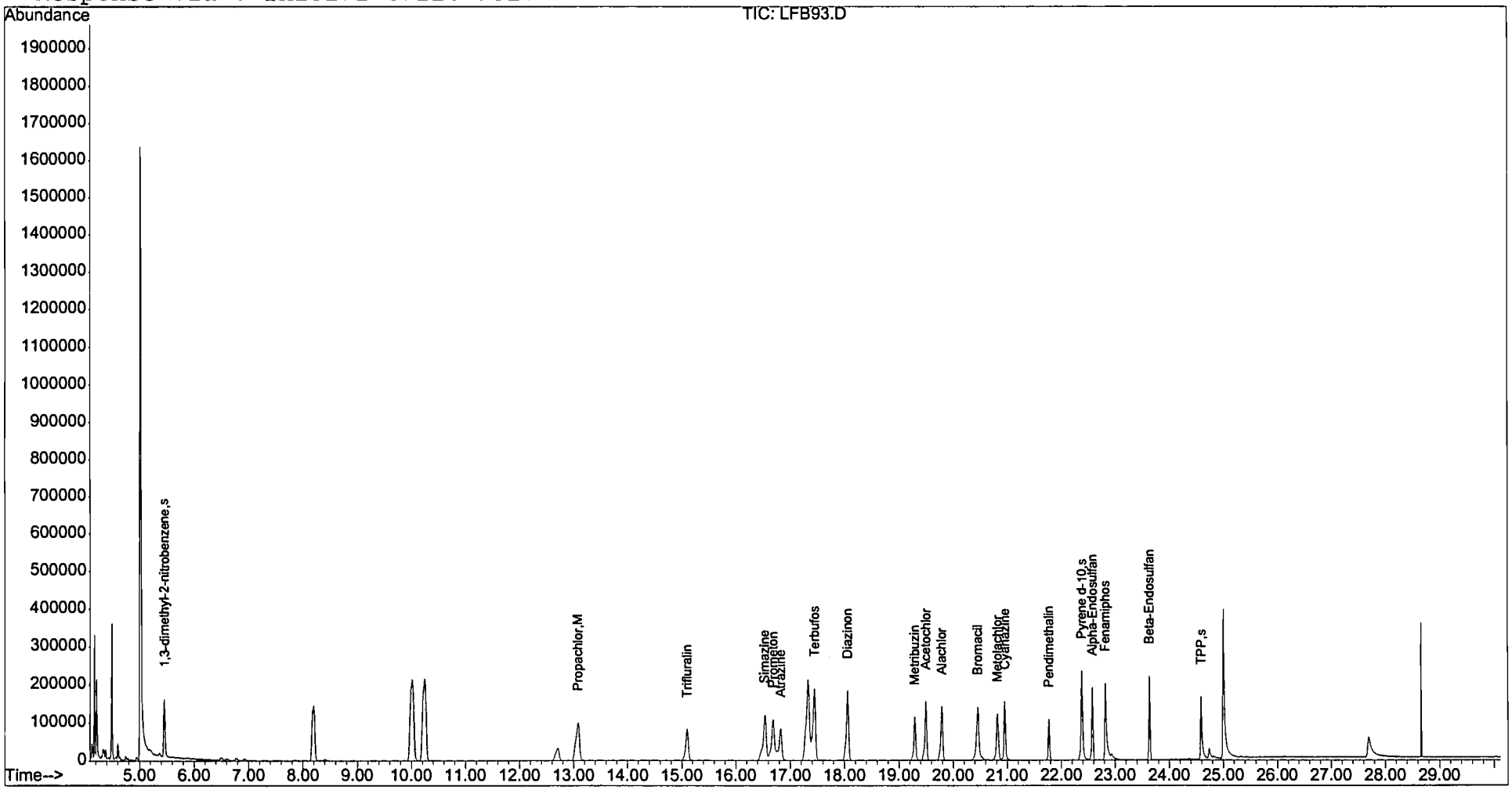
Data File : C:\HPCHEM\1\DATA\BATCH93\LFB93.D
Acq On : 29 Jun 2000 10:59
Sample : LFB 93
Misc :

Vial: 26
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\LFM1B93.D Vial: 24
Acq On : 29 Jun 2000 9:38 Operator: Jeff Hardy
Sample : LFM1 93 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Sample Amount: 0.00
MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000 Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	35892	1.51 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 88.82%	
18) Pyrene d-10	22.38	3201	242641	1.53 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 95.63%	
22) TPP	24.59	3587	67189	1.78 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 104.71%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	260159	No Calib	
3) Propachlor	13.08	1574	132673	3.03 ng/uL	95
4) Trifluralin	15.10	1927	49242	2.95 ng/uL	99
5) Simazine	16.54	2179	74201	3.67 ng/uL	98
6) Prometon	16.69	2205	63349	2.42 ng/uL	96
7) Atrazine	16.83	2229	56968	1.73 ng/uL	99
8) Phenanthrene-d10	17.34	2318	392560	No Calib	
9) Terbufos	17.45	2338	123385	4.22 ng/uL	94
10) Diazinon	18.06	2445	51487	2.64 ng/uL	98
11) Metribuzin	19.30	2661	79499	3.03 ng/uL	98
12) Acetochlor	19.50	2696	31368	1.97 ng/uL	97
13) Alachlor	19.79	2748	42357	1.94 ng/uL	97
14) Bromacil	20.46	2865	111131	4.43 ng/uL	98
15) Metolachlor	20.82	2927	105039	1.66 ng/uL	95
16) Cyanazine	20.95	2951	15910	2.59 ng/uL	89
17) Pendimethalin	21.77	3094	34011	2.00 ng/uL	97
19) Alpha-Endosulfan	22.58	3236	8352	1.74 ng/uL	94
20) Fenamiphos	22.82	3278	91428	6.01 ng/uL	85
21) Beta-Endosulfan	23.64	3420	8934	1.72 ng/uL	98
23) Chrysene-d12	25.00	3659	319707	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

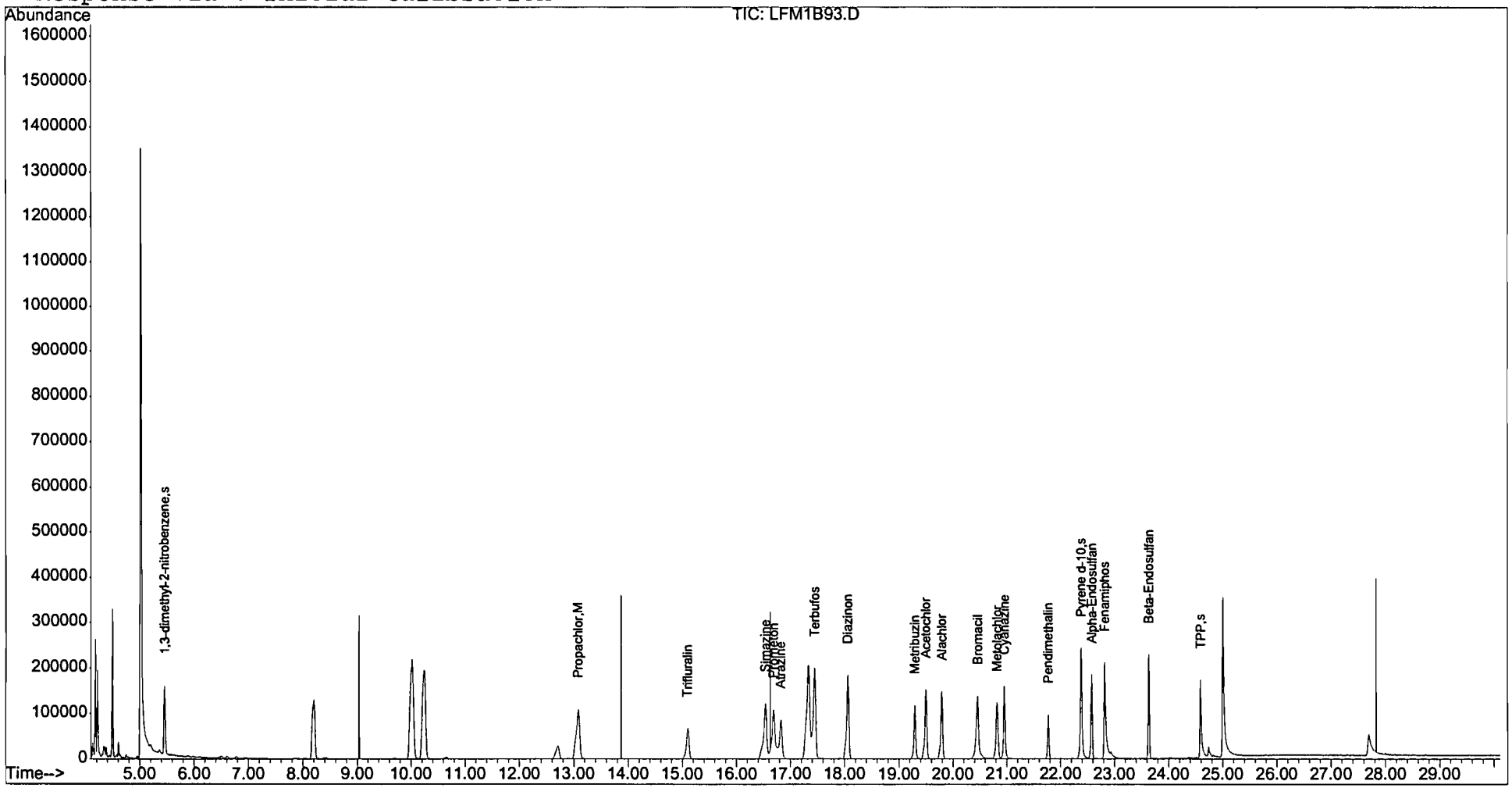
Data File : C:\HPCHEM\1\DATA\BATCH93\LFM1B93.D
Acq On : 29 Jun 2000 9:38
Sample : LFM1 93
Misc :

Vial: 24
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\LFM2B93.D
Acq On : 29 Jun 2000 10:19
Sample : LFM2 93
Misc :

Vial: 25
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	31321	1.33 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 78.24%	
18) Pyrene d-10	22.38	3201	231167	1.47 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 91.88%	
22) TPP	24.59	3587	66314	1.76 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 103.53%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	260146	No Calib	
3) Propachlor	13.08	1574	121875	2.82 ng/uL	96
4) Trifluralin	15.10	1927	51317	3.03 ng/uL	98
5) Simazine	16.54	2179	73413	3.64 ng/uL	98
6) Prometon	16.69	2205	61502	2.37 ng/uL	97
7) Atrazine	16.82	2228	55767	1.69 ng/uL	99
8) Phenanthrene-d10	17.34	2318	394382	No Calib	
9) Terbufos	17.45	2338	119750	4.12 ng/uL	93
10) Diazinon	18.06	2445	48400	2.51 ng/uL	96
11) Metribuzin	19.30	2661	77324	2.97 ng/uL	99
12) Acetochlor	19.50	2696	29676	1.88 ng/uL	96
13) Alachlor	19.79	2747	41292	1.90 ng/uL	96
14) Bromacil	20.46	2865	110911	4.42 ng/uL	97
15) Metolachlor	20.82	2927	102397	1.63 ng/uL	94
16) Cyanazine	20.95	2951	15880	2.58 ng/uL	88
17) Pendimethalin	21.77	3094	35680	2.06 ng/uL	96
19) Alpha-Endosulfan	22.58	3235	8261	1.72 ng/uL	95
20) Fenamiphos	22.82	3278	98965	6.30 ng/uL	83
21) Beta-Endosulfan	23.63	3419	9208	1.76 ng/uL	96
23) Chrysene-d12	25.00	3659	326171	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

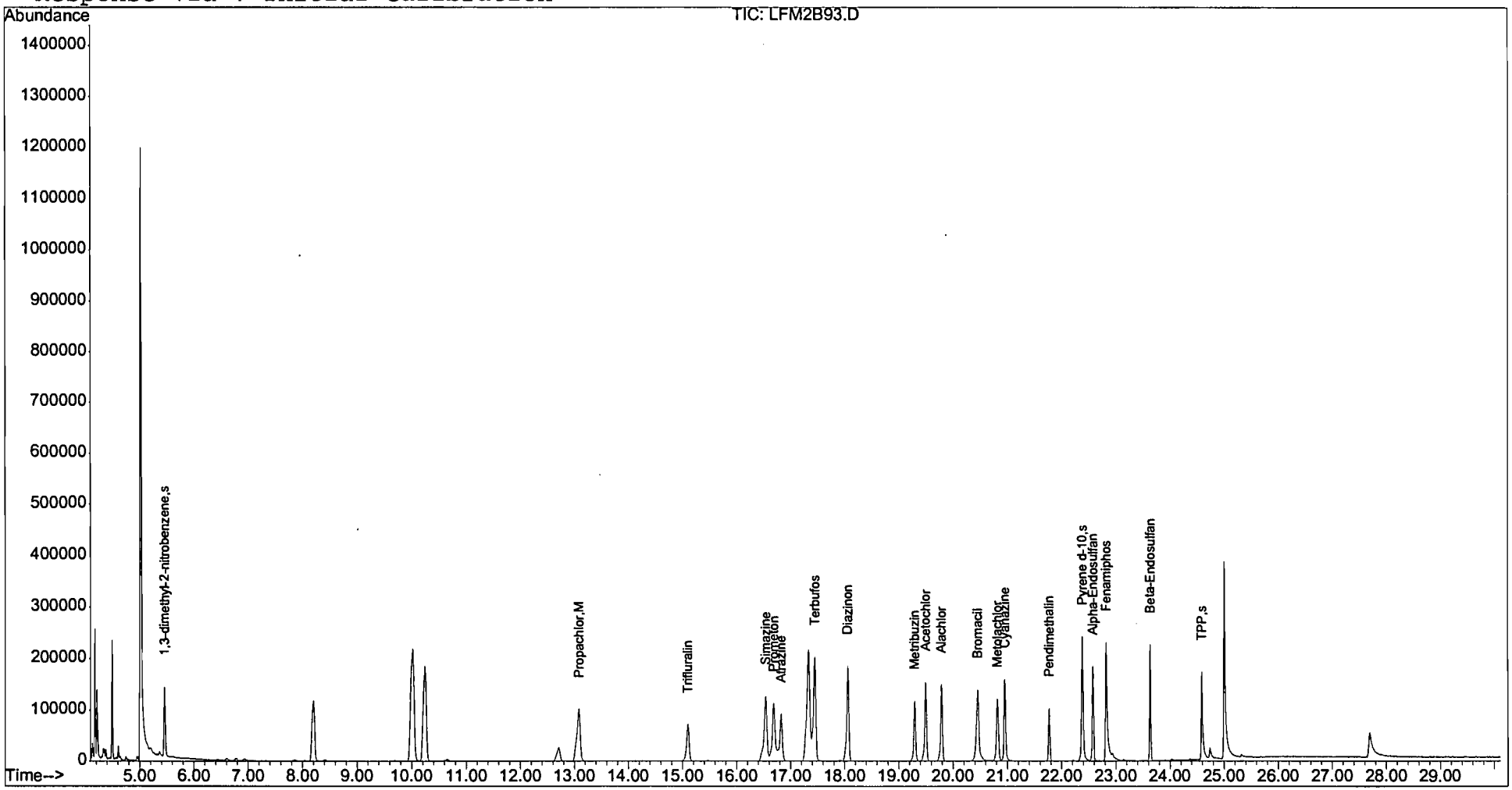
Data File : C:\HPCHEM\1\DATA\BATCH93\LFM2B93.D
Acq On : 29 Jun 2000 10:19
Sample : LFM2 93
Misc :

Vial: 25
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\LRB.D
Acq On : 28 Jun 2000 22:14
Sample : LRB
Misc :

Vial: 8
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000
Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	34538	1.46 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 85.88%	
18) Pyrene d-10	22.39	3201	218948	1.40 ng/uL	0.00
Spiked Amount 1.600			Recovery	= 87.50%	
22) TPP	24.59	3587	50727	1.43 ng/uL	0.00
Spiked Amount 1.700			Recovery	= 84.12%	

Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1035	240880	No Calib	
3) Propachlor	0.00		0	N.D.	
4) Trifluralin	0.00		0	N.D.	
5) Simazine	0.00		0	N.D.	
6) Prometon	0.00		0	N.D.	
7) Atrazine	0.00		0	N.D.	
8) Phenanthrene-d10	17.33	2317	365804	No Calib	
9) Terbufos	0.00		0	N.D.	
10) Diazinon	0.00		0	N.D.	
11) Metribuzin	0.00		0	N.D.	
12) Acetochlor	0.00		0	N.D.	
13) Alachlor	0.00		0	N.D.	
14) Bromacil	0.00		0	N.D.	
15) Metolachlor	0.00		0	N.D.	
16) Cyanazine	0.00		0	N.D.	
17) Pendimethalin	0.00		0	N.D.	
19) Alpha-Endosulfan	0.00		0	N.D.	
20) Fenamiphos	0.00		0	N.D.	
21) Beta-Endosulfan	0.00		0	N.D.	
23) Chrysene-d12	25.00	3659	293827	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

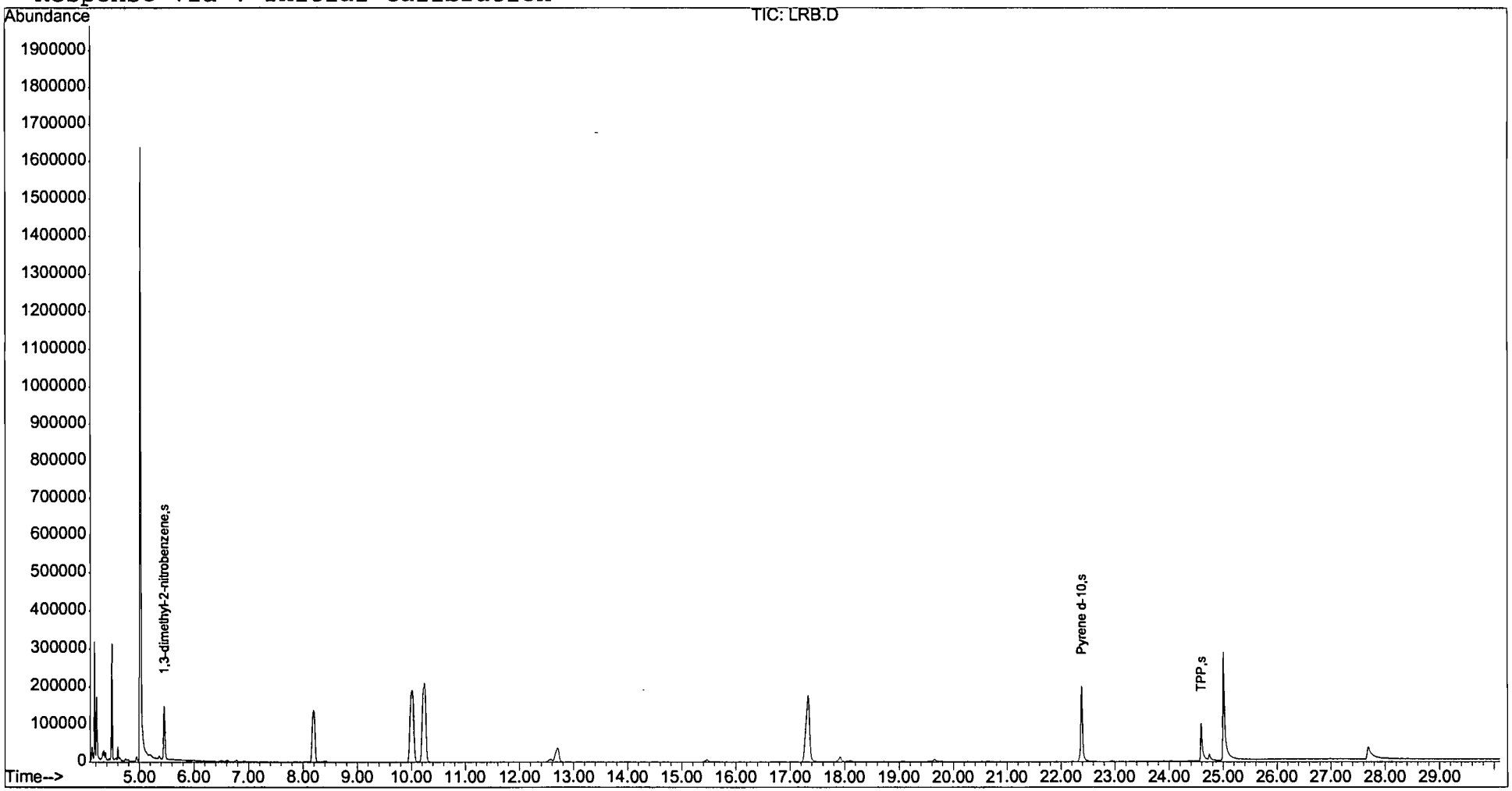
Data File : C:\HPCHEM\1\DATA\BATCH93\LRB.D
Acq On : 28 Jun 2000 22:14
Sample : LRB
Misc :

Vial: 8
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:15 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\1-CCVS.D
Acq On : 28 Jun 2000 21:33
Sample : 1-CCVS
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:04:07 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	31907	1.35 ng/uL	0.00
18) Pyrene d-10	22.38	3201	209073	1.35 ng/uL	0.00
22) TPP	24.59	3587	47345	1.36 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	215939	No Calib	
3) Propachlor	13.08	1574	116982	2.72 ng/uL	96
4) Trifluralin	15.10	1927	69225	3.70 ng/uL	96
5) Simazine	16.54	2179	68811	3.45 ng/uL	97
6) Prometon	16.68	2204	57047	2.23 ng/uL	97
7) Atrazine	16.83	2229	53107	1.62 ng/uL	98
8) Phenanthrene-d10	17.33	2317	340967	No Calib	
9) Terbufos	17.45	2338	135449	4.54 ng/uL	90
10) Diazinon	18.07	2446	47899	2.49 ng/uL	97
11) Metribuzin	19.30	2661	72113	2.82 ng/uL	99
12) Acetochlor	19.50	2696	28617	1.82 ng/uL	97
13) Alachlor	19.79	2748	37920	1.77 ng/uL	98
14) Bromacil	20.46	2865	92331	3.85 ng/uL	99
15) Metolachlor	20.82	2928	92124	1.50 ng/uL	98
16) Cyanazine	20.95	2951	13169	2.26 ng/uL	91
17) Pendimethalin	21.77	3094	43575	2.32 ng/uL	99
19) Alpha-Endosulfan	22.58	3235	8937	1.84 ng/uL	97
20) Fenamiphos	22.82	3278	73072	5.28 ng/uL	89
21) Beta-Endosulfan	23.63	3420	9737	1.85 ng/uL	97
23) Chrysene-d12	25.01	3660	247330	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

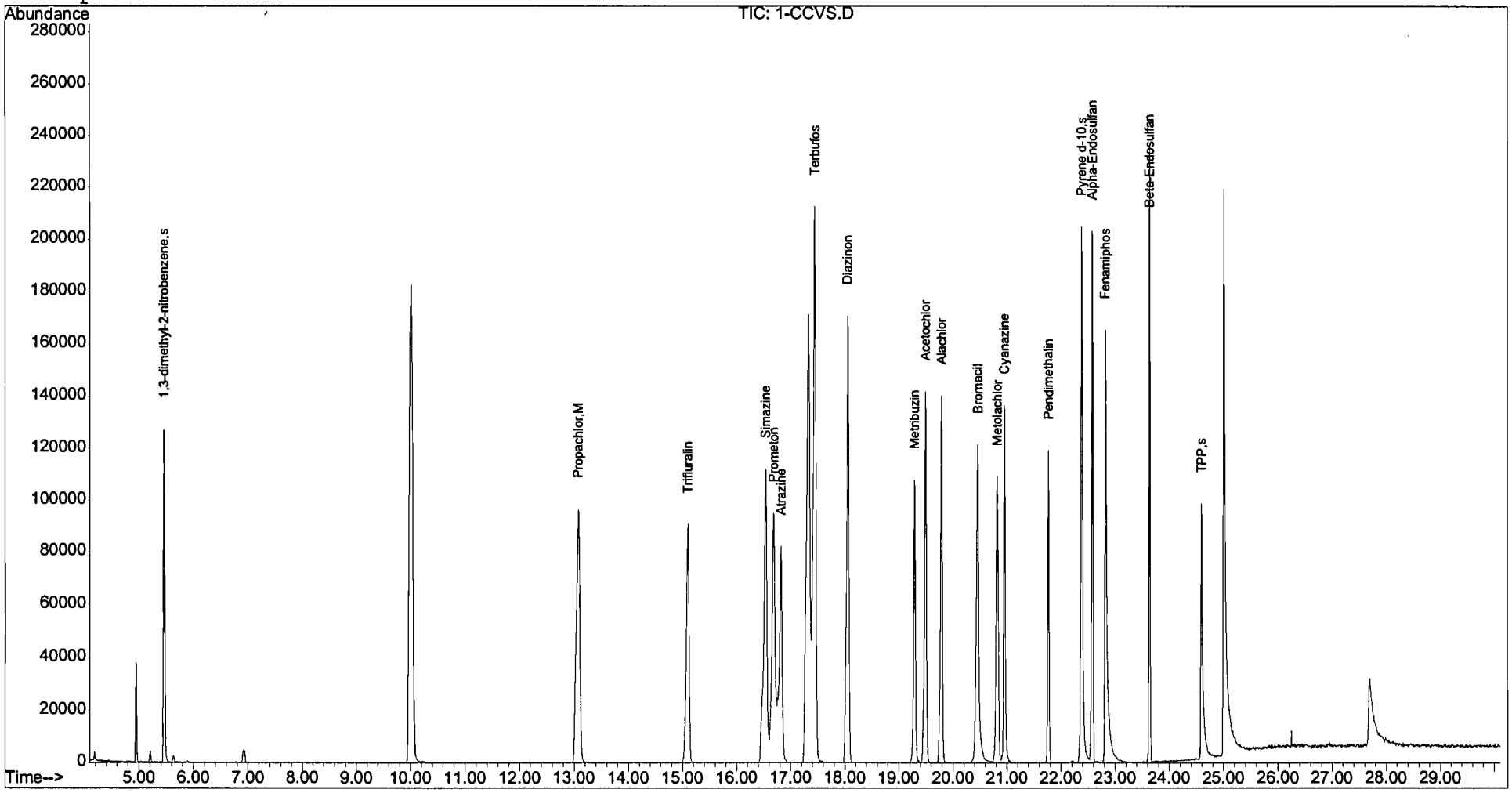
Data File : C:\HPCHEM\1\DATA\BATCH93\1-CCVS.D
Acq On : 28 Jun 2000 21:33
Sample : 1-CCVS
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\2-CCVS.D
Acq On : 29 Jun 2000 4:56
Sample : 2-CCVS
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	33256	1.41 ng/uL	0.00
18) Pyrene d-10	22.38	3201	219145	1.40 ng/uL	0.00
22) TPP	24.59	3587	53369	1.49 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	233779	No Calib	
3) Propachlor	13.08	1573	126558	2.91 ng/uL	95
4) Trifluralin	15.11	1928	69424	3.71 ng/uL	97
5) Simazine	16.54	2178	73394	3.64 ng/uL	98
6) Prometon	16.70	2206	61518	2.37 ng/uL	97
7) Atrazine	16.82	2228	56659	1.72 ng/uL	100
8) Phenanthrene-d10	17.33	2317	358512	No Calib	
9) Terbufos	17.45	2338	142359	4.72 ng/uL	92
10) Diazinon	18.06	2445	50888	2.62 ng/uL	96
11) Metribuzin	19.29	2660	78121	2.99 ng/uL	99
12) Acetochlor	19.50	2696	30432	1.92 ng/uL	94
13) Alachlor	19.79	2747	41718	1.92 ng/uL	95
14) Bromacil	20.46	2864	103118	4.19 ng/uL	99
15) Metolachlor	20.82	2927	102735	1.63 ng/uL	93
16) Cyanazine	20.96	2951	14165	2.38 ng/uL	85
17) Pendimethalin	21.77	3094	42843	2.30 ng/uL	100
19) Alpha-Endosulfan	22.58	3235	9628	1.97 ng/uL	98
20) Fenamiphos	22.82	3278	87384	5.86 ng/uL	89
21) Beta-Endosulfan	23.63	3419	9926	1.88 ng/uL	98
23) Chrysene-d12	25.00	3659	265268	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

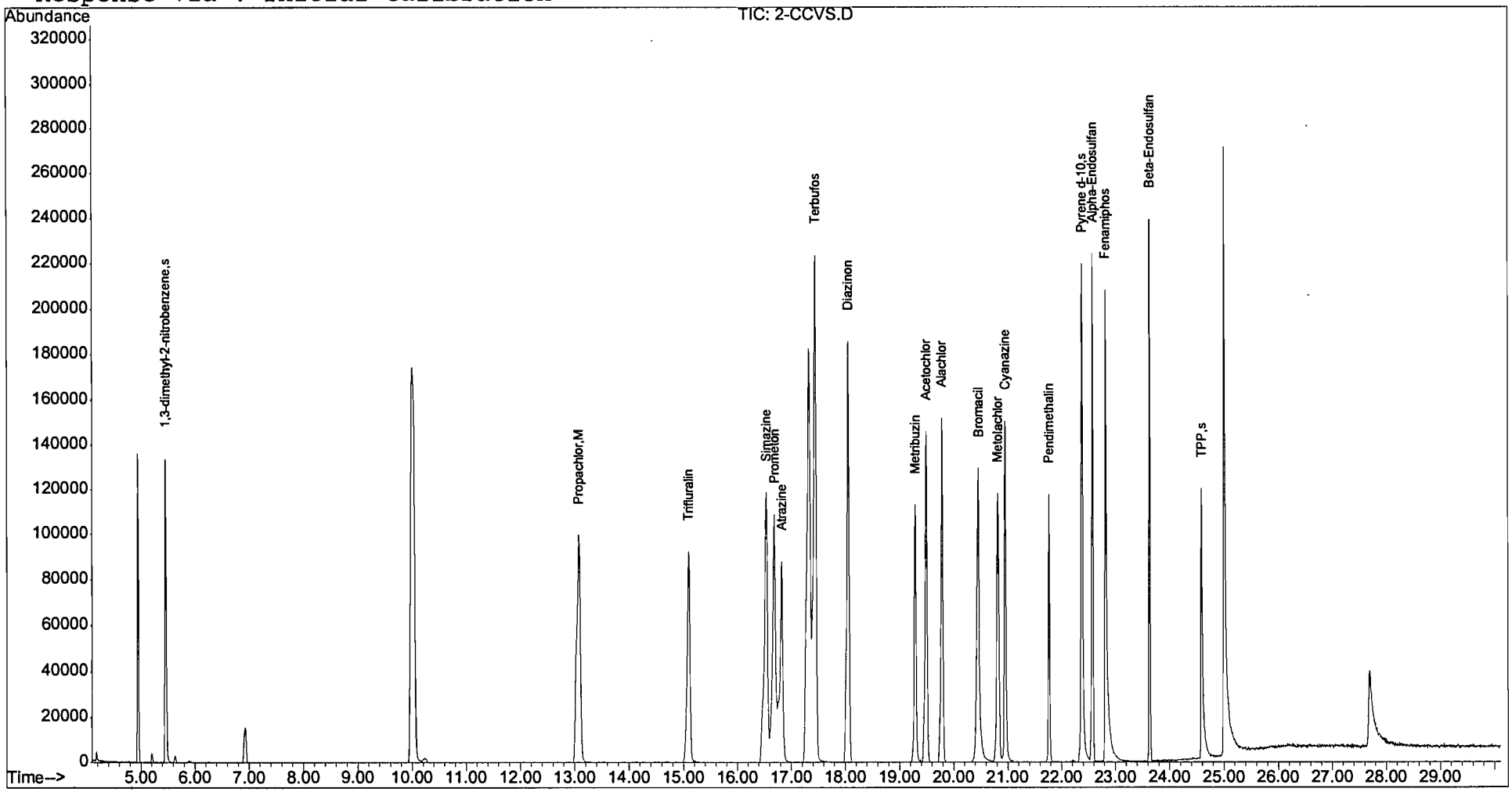
Data File : C:\HPCHEM\1\DATA\BATCH93\2-CCVS.D
Acq On : 29 Jun 2000 4:56
Sample : 2-CCVS
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\3-CCVS.D
Acq On : 29 Jun 2000 11:40
Sample : 3-CCVS
Misc :
Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000
Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	35880	1.51 ng/uL	0.00
18) Pyrene d-10	22.38	3201	237677	1.51 ng/uL	0.00
22) TPP	24.59	3587	59653	1.62 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	244049	No Calib	
3) Propachlor	13.09	1575	139276	3.16 ng/uL	95
4) Trifluralin	15.11	1928	86030	4.28 ng/uL	98
5) Simazine	16.54	2179	80236	3.93 ng/uL	98
6) Prometon	16.69	2205	69478	2.61 ng/uL	96
7) Atrazine	16.83	2229	60763	1.83 ng/uL	99
8) Phenanthrene-d10	17.33	2317	382681	No Calib	
9) Terbufos	17.45	2338	164543	5.28 ng/uL	89
10) Diazinon	18.07	2446	57005	2.87 ng/uL	97
11) Metribuzin	19.30	2661	88349	3.28 ng/uL	99
12) Acetochlor	19.50	2696	32418	2.02 ng/uL	100
13) Alachlor	19.79	2748	45121	2.05 ng/uL	97
14) Bromacil	20.46	2864	112708	4.47 ng/uL	97
15) Metolachlor	20.82	2927	112380	1.76 ng/uL	95
16) Cyanazine	20.95	2951	17689	2.79 ng/uL	93
17) Pendimethalin	21.77	3094	51889	2.59 ng/uL	98
19) Alpha-Endosulfan	22.58	3236	10086	2.05 ng/uL	95
20) Fenamiphos	22.82	3278	107028	6.60 ng/uL	81
21) Beta-Endosulfan	23.63	3420	10993	2.06 ng/uL	97
23) Chrysene-d12	25.00	3659	299378	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

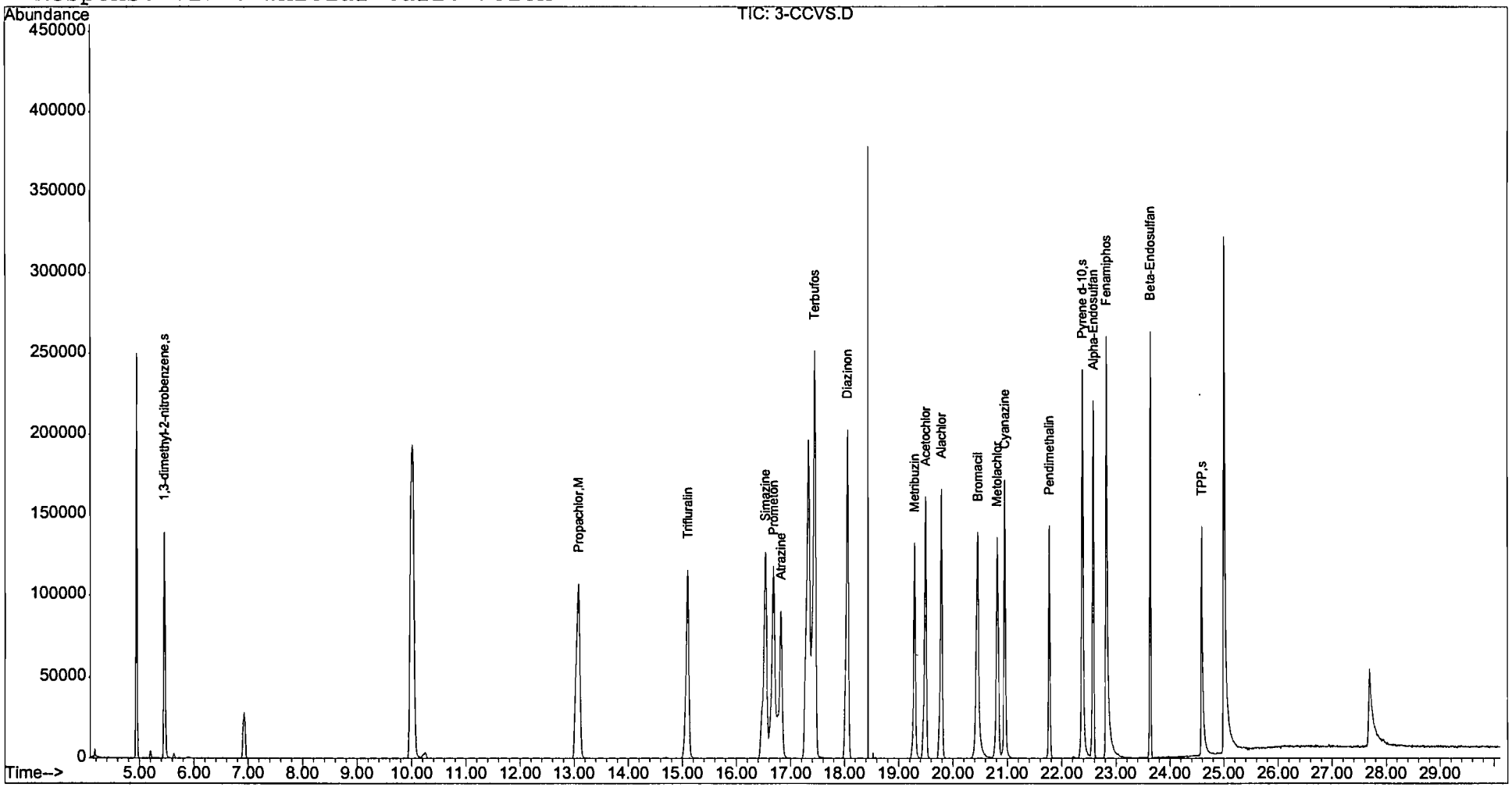
Data File : C:\HPCHEM\1\DATA\BATCH93\3-CCVS.D
Acq On : 29 Jun 2000 11:40
Sample : 3-CCVS
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-341.D
Acq On : 28 Jun 2000 16:52
Sample : m-341
Misc :

Vial: 2
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	9316	0.46 ng/uL	0.00
18) Pyrene d-10	22.38	3201	54509	0.48 ng/uL	0.00
22) TPP	24.59	3587	9338	0.47 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1036	233796	No Calib	
3) Propachlor	13.09	1575	29551	1.01 ng/uL	92
4) Trifluralin	15.10	1927	10798	1.27 ng/uL	98
5) Simazine	16.52	2175	16313	1.25 ng/uL	96
6) Prometon	16.68	2203	12950	0.87 ng/uL	95
7) Atrazine	16.82	2228	14116	0.58 ng/uL	97
8) Phenanthrene-d10	17.33	2316	358424	No Calib	
9) Terbufos	17.45	2338	26750	1.45 ng/uL	94
10) Diazinon	18.06	2445	10799	0.97 ng/uL	95
11) Metribuzin	19.29	2660	12409	0.99 ng/uL	95
12) Acetochlor	19.50	2696	6632	0.66 ng/uL	88
13) Alachlor	19.79	2747	9289	0.68 ng/uL	93
14) Bromacil	20.43	2859	15918	1.20 ng/uL	96
15) Metolachlor	20.82	2928	20577	0.58 ng/uL	93
16) Cyanazine	20.95	2951	2477	0.79 ng/uL	92
17) Pendimethalin	21.77	3094	5530	0.85 ng/uL	99
19) Alpha-Endosulfan	22.58	3235	2321	0.64 ng/uL	94
20) Fenamiphos	22.82	3277	7767	1.96 ng/uL	99
21) Beta-Endosulfan	23.64	3420	2440	0.65 ng/uL	93
23) Chrysene-d12	25.00	3659	266051	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

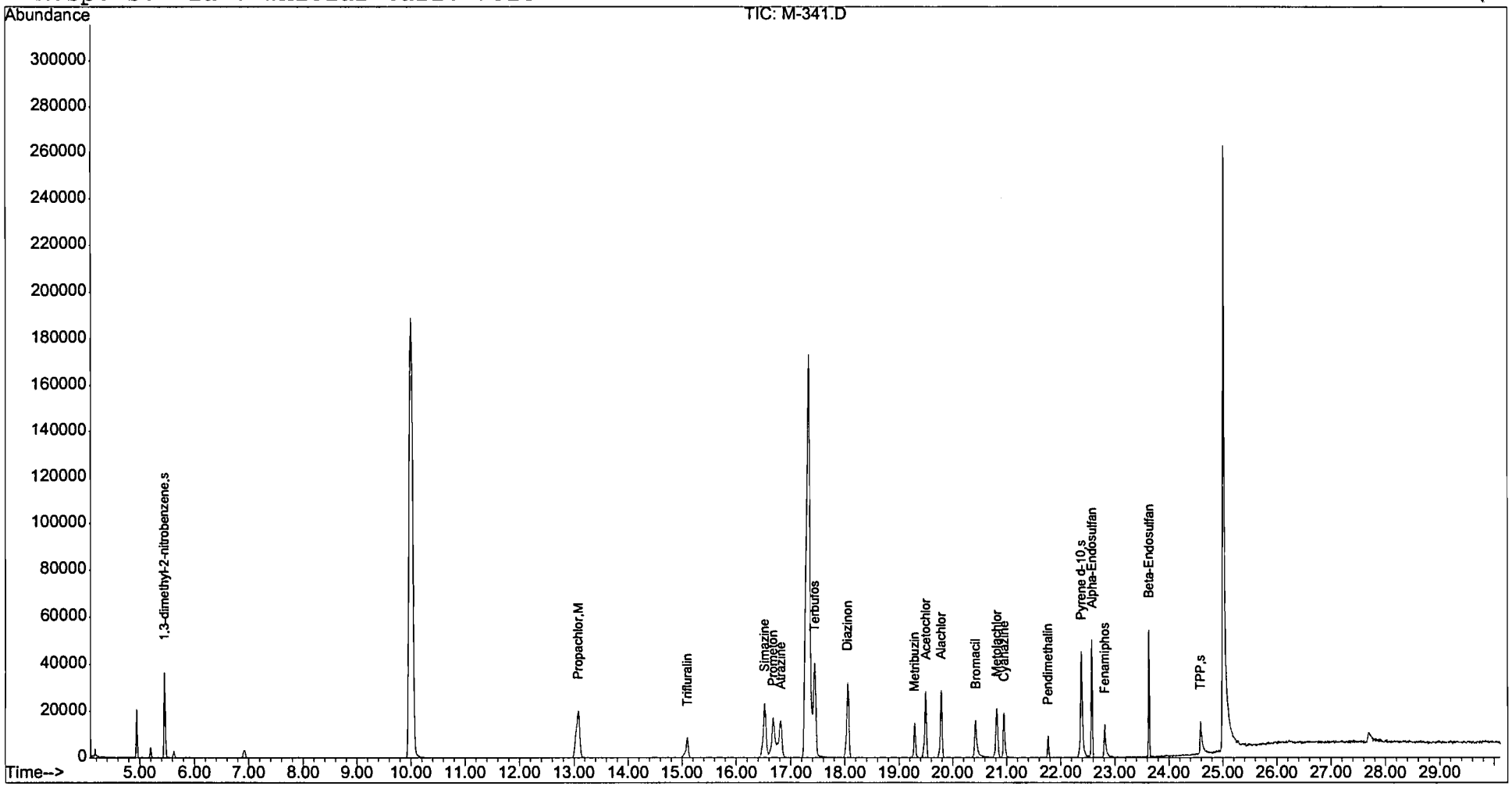
Data File : C:\HPCHEM\1\DATA\BATCH93\M-341.D
Acq On : 28 Jun 2000 16:52
Sample : m-341
Misc :

Vial: 2
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-342.D
Acq On : 28 Jun 2000 17:32
Sample : m-342
Misc :

Vial: 3
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000
Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.45	239	16370	0.74 ng/uL	0.00
18) Pyrene d-10	22.38	3201	100848	0.74 ng/uL	0.00
22) TPP	24.59	3587	19234	0.72 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.00	1035	233999	No Calib	
3) Propachlor	13.08	1574	54803	1.50 ng/uL	95
4) Trifluralin	15.11	1928	25293	1.95 ng/uL	99
5) Simazine	16.53	2177	31730	1.90 ng/uL	98
6) Prometon	16.69	2205	26134	1.28 ng/uL	95
7) Atrazine	16.82	2228	25968	0.90 ng/uL	97
8) Phenanthrene-d10	17.33	2317	365448	No Calib	
9) Terbufos	17.46	2339	55671	2.32 ng/uL	95
10) Diazinon	18.06	2445	21316	1.40 ng/uL	96
11) Metribuzin	19.30	2661	28949	1.52 ng/uL	99
12) Acetochlor	19.50	2696	12910	0.99 ng/uL	96
13) Alachlor	19.79	2748	17295	0.98 ng/uL	96
14) Bromacil	20.43	2860	37868	2.03 ng/uL	99
15) Metolachlor	20.82	2928	40672	0.84 ng/uL	96
16) Cyanazine	20.95	2950	5435	1.24 ng/uL	91
17) Pendimethalin	21.77	3094	13403	1.20 ng/uL	97
19) Alpha-Endosulfan	22.58	3236	4325	1.00 ng/uL	94
20) Fenamiphos	22.82	3277	22054	2.82 ng/uL	98
21) Beta-Endosulfan	23.64	3420	4600	1.01 ng/uL	95
23) Chrysene-d12	25.00	3659	281826	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

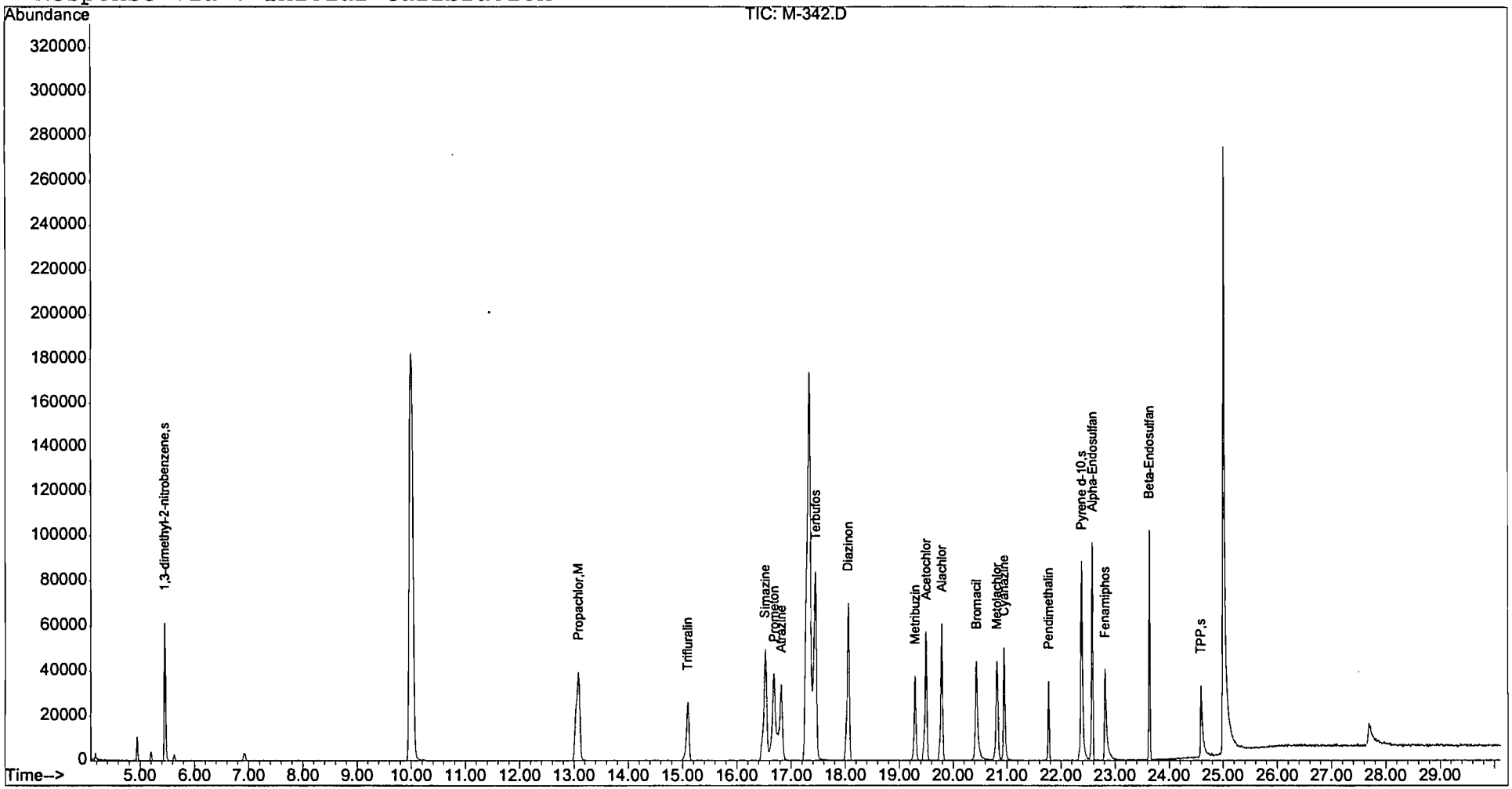
Data File : C:\HPCHEM\1\DATA\BATCH93\M-342.D
Acq On : 28 Jun 2000 17:32
Sample : m-342
Misc :

Vial: 3
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-343.D
Acq On : 28 Jun 2000 18:12
Sample : m-343
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.45	239	35892	1.51 ng/uL	0.00
18) Pyrene d-10	22.38	3201	234111	1.49 ng/uL	0.00
22) TPP	24.59	3587	54442	1.51 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.00	1035	238791	No Calib	
3) Propachlor	13.08	1574	127350	2.92 ng/uL	96
4) Trifluralin	15.10	1927	77630	4.00 ng/uL	97
5) Simazine	16.54	2179	75287	3.72 ng/uL	99
6) Prometon	16.69	2204	63519	2.43 ng/uL	97
7) Atrazine	16.82	2228	59734	1.80 ng/uL	98
8) Phenanthrene-d10	17.33	2317	377492	No Calib	
9) Terbufos	17.45	2338	147814	4.86 ng/uL	92
10) Diazinon	18.06	2445	53844	2.74 ng/uL	98
11) Metribuzin	19.30	2661	82325	3.11 ng/uL	99
12) Acetochlor	19.50	2696	31672	1.98 ng/uL	95
13) Alachlor	19.79	2747	42992	1.97 ng/uL	95
14) Bromacil	20.46	2865	105223	4.25 ng/uL	98
15) Metolachlor	20.82	2927	104698	1.66 ng/uL	94
16) Cyanazine	20.95	2951	15396	2.53 ng/uL	90
17) Pendimethalin	21.77	3094	49221	2.51 ng/uL	98
19) Alpha-Endosulfan	22.58	3236	9959	2.03 ng/uL	98
20) Fenamiphos	22.82	3278	92623	6.06 ng/uL	86
21) Beta-Endosulfan	23.64	3420	10514	1.98 ng/uL	97
23) Chrysene-d12	25.00	3659	290527	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

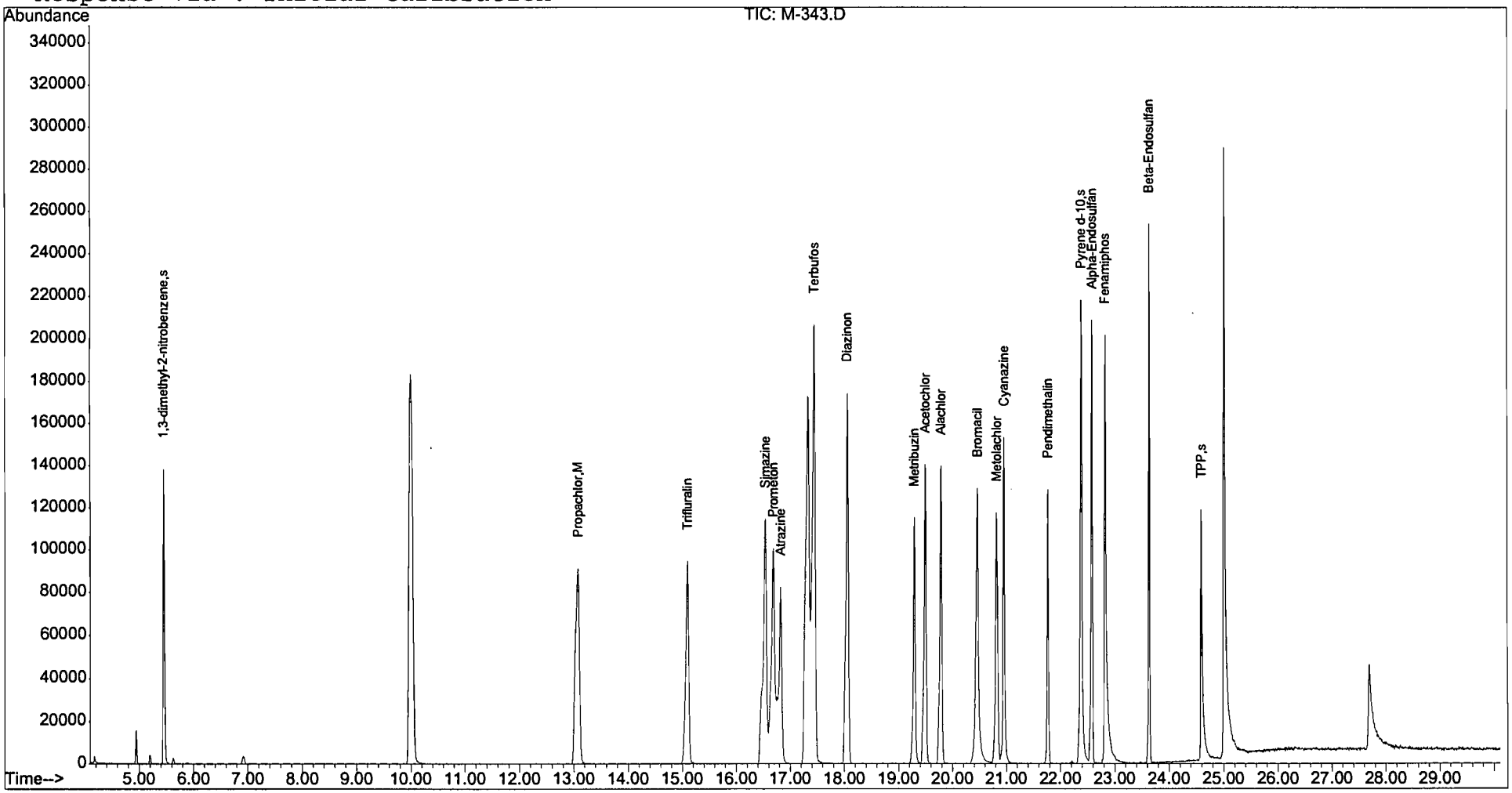
Data File : C:\HPCHEM\1\DATA\BATCH93\M-343.D
Acq On : 28 Jun 2000 18:12
Sample : m-343
Misc :

Vial: 4
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:20 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-344.D
Acq On : 28 Jun 2000 18:53
Sample : m-344
Misc :

Vial: 5
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	57344	2.36 ng/uL	0.00
18) Pyrene d-10	22.38	3201	387568	2.34 ng/uL	0.00
22) TPP	24.59	3587	98207	2.40 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1038	231552	No Calib	
3) Propachlor	13.09	1575	214482	4.63 ng/uL	97
4) Trifluralin	15.11	1928	152591	6.29 ng/uL	98
5) Simazine	16.56	2182	126619	5.87 ng/uL	98
6) Prometon	16.70	2206	110618	3.88 ng/uL	95
7) Atrazine	16.83	2230	97591	2.81 ng/uL	99
8) Phenanthrene-d10	17.34	2318	370184	No Calib	
9) Terbufos	17.46	2339	263842	7.64 ng/uL	88
10) Diazinon	18.06	2445	92133	4.31 ng/uL	98
11) Metribuzin	19.30	2662	151100	4.96 ng/uL	99
12) Acetochlor	19.50	2696	52534	3.09 ng/uL	98
13) Alachlor	19.79	2748	72035	3.08 ng/uL	96
14) Bromacil	20.49	2869	185703	6.50 ng/uL	98
15) Metolachlor	20.82	2928	180128	2.62 ng/uL	96
16) Cyanazine	20.96	2952	28832	3.97 ng/uL	93
17) Pendimethalin	21.77	3094	101369	3.95 ng/uL	98
19) Alpha-Endosulfan	22.58	3236	15875	3.11 ng/uL	97
20) Fenamiphos	22.83	3279	196334	9.47 ng/uL#	76
21) Beta-Endosulfan	23.64	3420	17389	3.11 ng/uL	97
23) Chrysene-d12	25.00	3659	281389	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

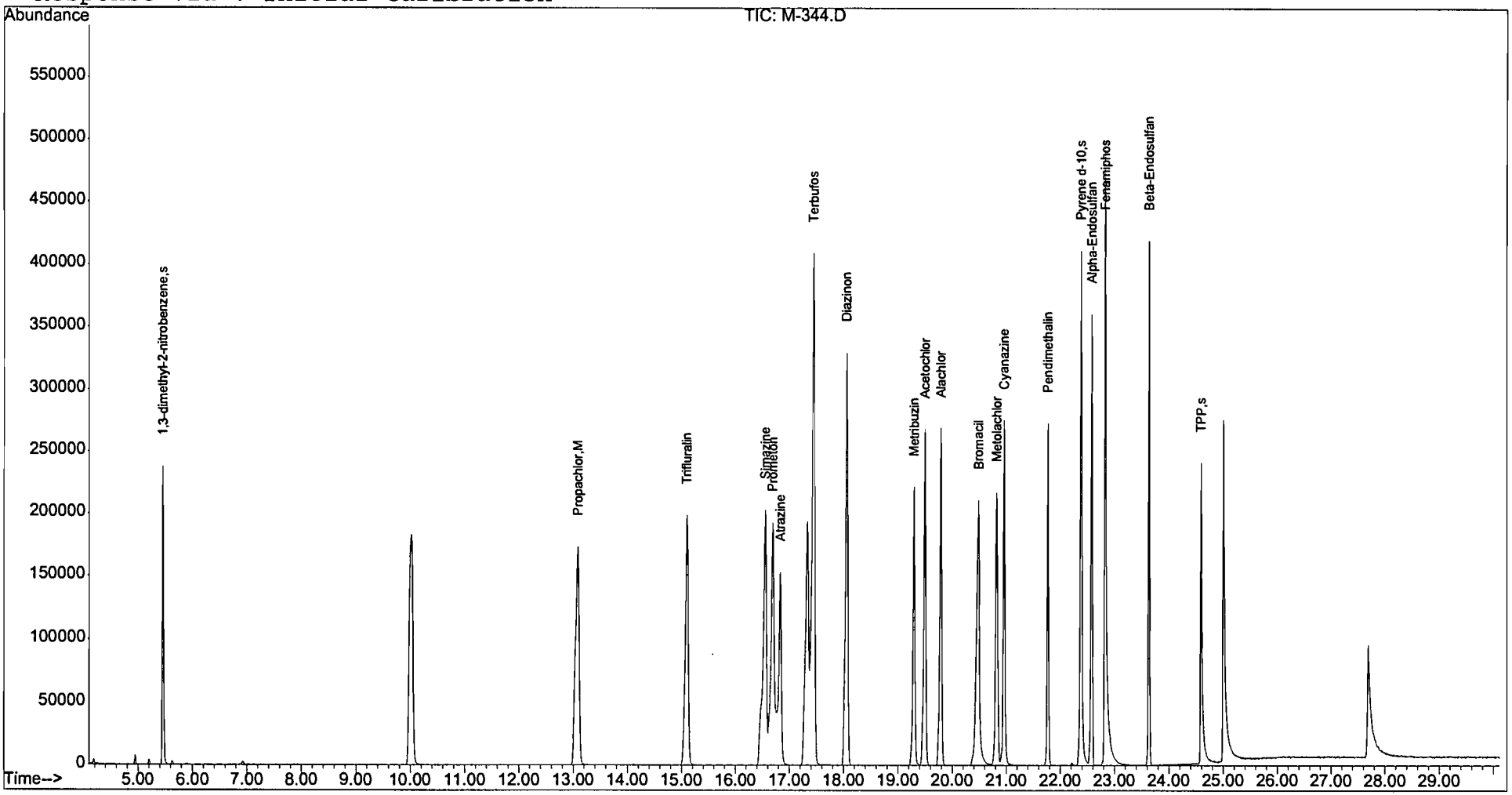
Data File : C:\HPCHEM\1\DATA\BATCH93\M-344.D
Acq On : 28 Jun 2000 18:53
Sample : m-344
Misc :

Vial: 5
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-345.D
Acq On : 28 Jun 2000 19:33
Sample : m-345
Misc :

Vial: 6
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	239	74521	3.05 ng/uL	0.00
18) Pyrene d-10	22.38	3200	512446	3.04 ng/uL	0.00
22) TPP	24.59	3587	131163	3.01 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.02	1037	237380	No Calib	
3) Propachlor	13.09	1574	286359	6.03 ng/uL	97
4) Trifluralin	15.10	1927	225529	8.14 ng/uL	97
5) Simazine	16.57	2183	168128	7.61 ng/uL	98
6) Prometon	16.70	2206	146620	5.00 ng/uL	96
7) Atrazine	16.84	2230	127059	3.60 ng/uL	100
8) Phenanthrene-d10	17.33	2317	380133	No Calib	
9) Terbufos	17.45	2338	357505	9.65 ng/uL	88
10) Diazinon	18.07	2445	122548	5.56 ng/uL	98
11) Metribuzin	19.31	2662	204719	6.27 ng/uL	99
12) Acetochlor	19.50	2696	70267	4.03 ng/uL	98
13) Alachlor	19.80	2748	96737	4.03 ng/uL	96
14) Bromacil	20.50	2871	255525	8.21 ng/uL	97
15) Metolachlor	20.82	2927	241913	3.41 ng/uL	99
16) Cyanazine	20.97	2953	40243	5.03 ng/uL	90
17) Pendimethalin	21.77	3094	151825	5.08 ng/uL	98
19) Alpha-Endosulfan	22.58	3235	20153	3.89 ng/uL	96
20) Fenamiphos	22.83	3279	298177	12.14 ng/uL	77
21) Beta-Endosulfan	23.64	3420	22675	3.98 ng/uL	98
23) Chrysene-d12	25.00	3659	298951	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

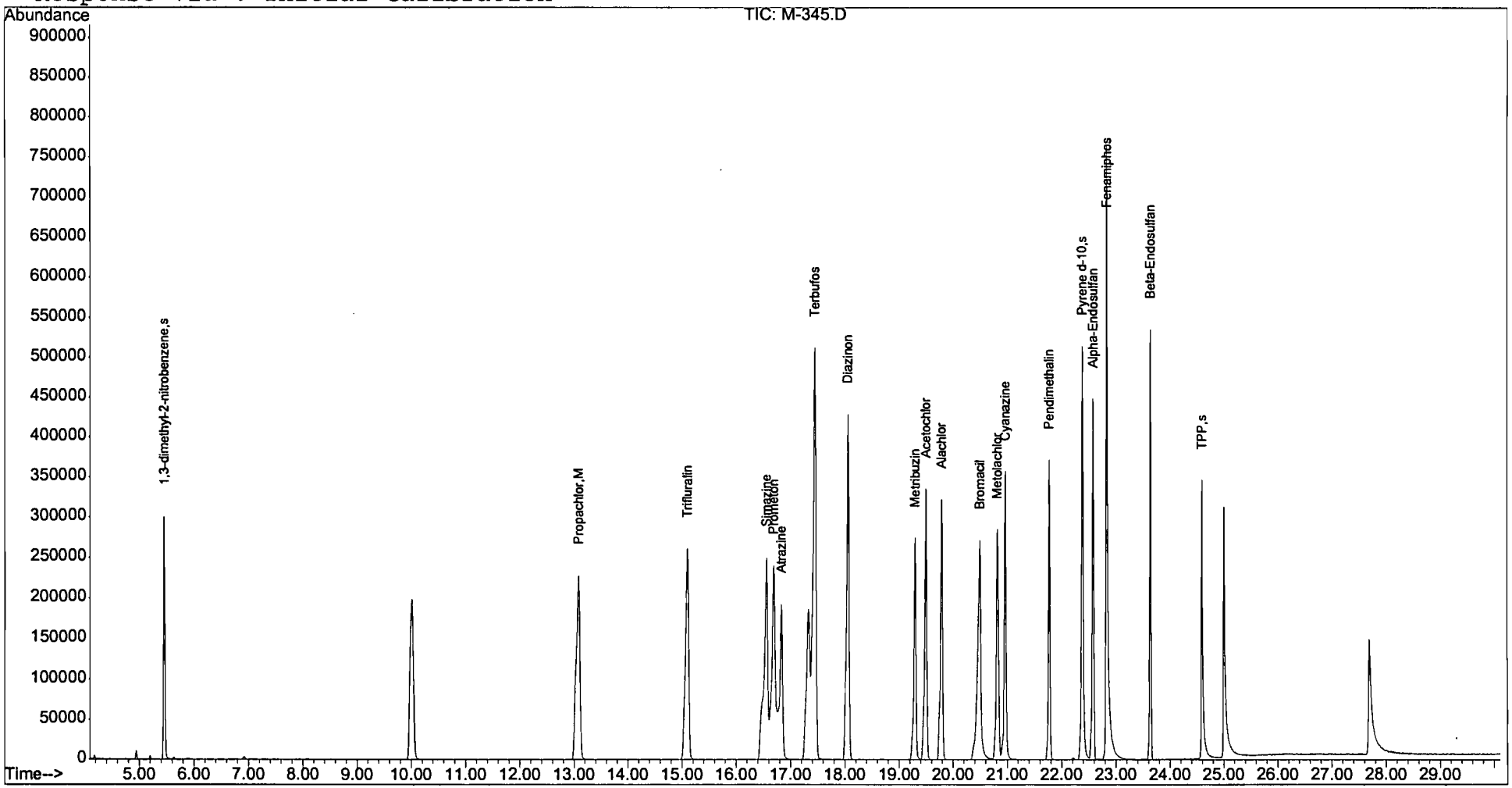
Data File : C:\HPCHEM\1\DATA\BATCH93\M-345.D
Acq On : 28 Jun 2000 19:33
Sample : m-345
Misc :

Vial: 6
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\BATCH93\M-346.D
Acq On : 28 Jun 2000 20:13
Sample : m-346
Misc :

Vial: 7
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Quant Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration
DataAcq Meth : BATCH93

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
1) 1,3-dimethyl-2-nitrobenzen	5.46	240	93045	3.78 ng/uL	0.00
18) Pyrene d-10	22.39	3202	649261	3.81 ng/uL	0.00
22) TPP	24.59	3588	177170	3.80 ng/uL	0.00
Target Compounds					Qvalue
2) Acenaphthene-d10	10.01	1037	236879	No Calib	
3) Propachlor	13.09	1576	366514	7.60 ng/uL	97
4) Trifluralin	15.11	1929	307640	9.95 ng/uL	97
5) Simazine	16.58	2186	217012	9.66 ng/uL	99
6) Prometon	16.71	2208	191907	6.39 ng/uL	97
7) Atrazine	16.85	2233	162242	4.55 ng/uL	100
8) Phenanthrene-d10	17.34	2318	384397	No Calib	
9) Terbufos	17.46	2340	476678	11.99 ng/uL	86
10) Diazinon	18.07	2446	161360	7.16 ng/uL	99
11) Metribuzin	19.31	2663	270556	7.77 ng/uL	99
12) Acetochlor	19.51	2698	89344	5.04 ng/uL	99
13) Alachlor	19.79	2748	123835	5.06 ng/uL	98
14) Bromacil	20.52	2875	336965	10.02 ng/uL	97
15) Metolachlor	20.82	2928	315213	4.35 ng/uL	99
16) Cyanazine	20.97	2954	55506	6.29 ng/uL	94
17) Pendimethalin	21.78	3095	213519	6.27 ng/uL	98
19) Alpha-Endosulfan	22.58	3236	26933	5.13 ng/uL	97
20) Fenamiphos	22.84	3281	426077	14.96 ng/uL#	75
21) Beta-Endosulfan	23.63	3420	29275	5.07 ng/uL	98
23) Chrysene-d12	25.01	3660	292656	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

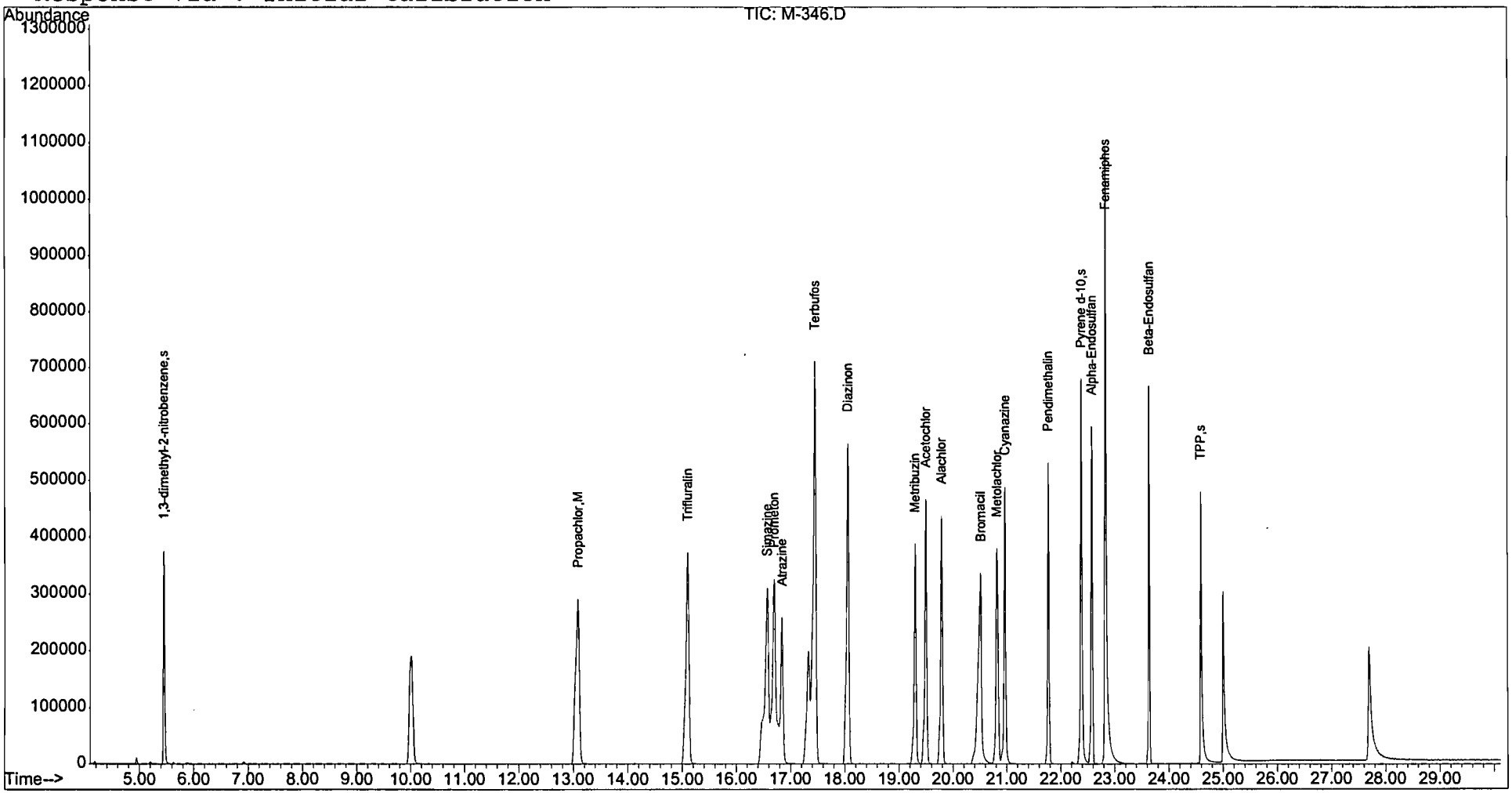
Data File : C:\HPCHEM\1\DATA\BATCH93\M-346.D
Acq On : 28 Jun 2000 20:13
Sample : m-346
Misc :

Vial: 7
Operator: Jeff Hardy
Inst : GC/MS Ins
Multiplr: 1.00
Sample Amount: 0.00

MS Integration Params: RTEINT.P
Quant Time: Aug 17 10:21 2000

Quant Results File: BATCH93.RES

Method : C:\HPCHEM\1\METHODS\BATCH93.M (RTE Integrator)
Title :
Last Update : Thu Aug 17 10:17:37 2000
Response via : Initial Calibration



SAMPLE

IMMUNOASSAY

INFORMATION

Description of Immunoassays and Screen Results

The immunoassay screens are performed using the RPA-I System Package and 2,4-D and Carbofuran Assay Kits from Strategic Diagnostics. All methods and procedures used are those that come with the system and kits.

Two replicates of each sample are analyzed and compared to the standard curve consisting of four calibration standards at two replicates each and one replicate of a control. The standards and control come with the assay kits. The concentrations for the Carbofuran standards are; 0, 0.1, 1.0, and 5.0 ppb with the control at 2.0 +/- 0.4 ppb. The concentrations for the 2,4-D standards are; 0, 1, 10, and 50 ppb with the control at 35 +/- 7 ppb. The estimated minimum detection limit for Carbofuran is 56 ppt, and for 2,4-D it is 0.70 ppb.

The equation of the best fit line is calculated by the instrument using the absorbances of the standards. The slope, intercept and the correlation coefficient are then reported. "Conc" is the concentration of the standards, control and samples. The "Abs Diff" column gives the observed concentration followed by the difference between observed and known concentrations for each replicate. "%CV" is the coefficient of variance calculated using the absorbances. The "Abs" column for the Samples Data section lists the absorbance of each sample replicate and their mean. A concentration with the letters "nd" beside them means that the analyte was not detected or that the absorbance measured was lower than that of the zero ppb standard.

Please Wait 30 Minutes
06-07-00 13:27:27

06-07-00 13:27:35

******** OHMICRON ********

PROTOCOL : 2-4-D

TECH ID : TS Roach
LOT # : 961102
EXP DATE: 9-00

Data Reduct: Lin.Regression
Xformation: Ln/Linear
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.117
Intercept = 0.780
Corr (r) = 0.9955

Transformed Data :

Conc	Abs
0.00	0.791
2.30	0.486
3.91	0.338

Calibrator Data:

Conc	Abs	%CV	Predic %Diff
0.00	0.927		
	0.969		
1.00	0.786		0.95
	-0.047		-5.0
	0.796		0.88
	-0.121		-13.8
Mean	0.791	0.8	0.92
	-0.085		-9.3
10.00	0.479		13.20
	3.203		24.3
	0.494		11.66
	1.658		14.2
Mean	0.486	2.1	12.41
	2.407		19.4
50.00	0.330		47.21
	-2.787		-5.9
	0.346		41.08
	-8.920		-21.7
Mean	0.338	3.4	44.04
	-5.960		-13.5

Control Data

Ctrl#	Abs	Conc
1	0.346	41.38

ID: 35 ± 7 ppb

Samples Data :

Spl#	Abs	Conc	%CV
1	1.017	0.13nd	
	1.004	0.15nd	
Mean	1.011	0.14nd	7.8

ID: DK 14040

2	1.029	0.12nd	
	0.973	0.19nd	
Mean	1.001	0.16nd	33.0*

ID: DK 14041

3	1.027	0.12nd	
	0.992	0.16nd	
Mean	1.010	0.14nd	21.1*

ID: DK 14042

4	1.004	0.15nd	
	1.003	0.15nd	
Mean	1.004	0.15nd	0.5

ID: DK ~~13788~~ 13778 TR 6-7-00

5	0.984	0.18nd	
	1.065	0.09nd	
Mean	1.024	0.13nd	47.3*

ID: DK 13779

6	1.087	0.07nd	
	0.997	0.16nd	
Mean	1.042	0.11nd	51.8*

ID: DK 13780

7	0.989	0.17nd	
	0.926	0.29nd	
Mean	0.958	0.23nd	36.9*

ID: DK 13781

8	0.985	0.17nd	
	0.973	0.19nd	
Mean	0.979	0.18nd	7.2

ID: DK 13782

9	0.991	0.16nd	
	0.961	0.21nd	
Mean	0.976	0.19nd	18.5*

ID: DK13785

10	[illegible]	[illegible]	
	0.983	0.18nd	
Mean	0.968	0.20nd	17.5*

ID: DK 13786

11	1.011	0.14nd	
	1.016	0.13nd	
Mean	1.014	0.14nd	3.1

ID: DK 13787

12	1.003	0.15nd	
	0.954	0.23nd	
Mean	0.978	0.19nd	29.1*

ID: DK 13788

13	1.003	0.15nd	
	1.018	0.13nd	
Mean	1.011	0.14nd	8.8

ID: DK 13790

14	0.964	0.21nd	
	1.012	0.14nd	
Mean	0.988	0.17nd	28.6*

ID: DK 13791

15	0.985	0.17nd	
	1.016	0.13nd	
Mean	1.001	0.15nd	18.5*

ID: DK 13792

END OF RUN
06-07-00 [illegible]

SAMPLE

PREPARATION

INFORMATION

Extraction Data Sheet for Groundwater Samples

Batch Number: 93
Extraction Date: 6-8-00
Extraction Time: 8:00 AM

Performed By:
[ ] Jeff Hardy
[x] Todd Roach
[ ] Charity Carpenter
[ ] Other: _____

Extraction Procedure:

[ ] General Pesticide Method: 525.2 M: AutoTrace SPE, Analysis by GC/MS
[x] Phenoxy Acid Method: 515.1 M: Liquid/Liquid, Analysis by HPLC/DAD
[ ] Carbamate Method: 531.1: Filtration, Derivitization, Analysis by HPLC/FLD

IDEM Sample Number	Lab Number	Desc.	Sample Mass Calculations			pH
			Initial Mass (g)	Final Mass (g)	Sample Mass (g)	
DK 14040	1636	Sample			250	
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
NA	1639	LRB			250	
NA	1640	LFB			250	
DK 14040 MS	1641	LFM 1			250	
DK 14040 MSD	1642	LFM 2			250	

Final volume = 3 mL in 70:30 H_2O:ACN

Spike Information: 326 300 uL

Surrogate Information: 156 150 uL

Internal Standard Info: _____ ___ uL

Comments: _____

Signature

6-8-00
Date

Working Mix Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: M-326 Phenoxy Spike Mix

Date Prepared: 4-14-00

Date to be Destroyed: _____ Date Destroyed: could not find 8-16-00 JP

Physical Data

Parent Solutions	Concentration (ng/µl)	Aliquot (mL)	Parent Solvent	Final Concentration (ng/µl)
1. Acifluorfen M-279	280	0.50	ACN	5.6
2. Bentazon	85	0.50	ACN	1.7
3. 2,4-D	100	0.50	ACN	2.0
4. 2,4-DP	114	0.50	ACN	2.3
5. Dicamba	66	0.50	ACN	1.3
6. MCPA	160	0.50	ACN	3.2
7. MCPP	190	0.50	ACN	3.8
8. Picloram	88	0.50	ACN	1.8
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				

Final Dilution Solvent: ACN Final Dilution Volume: 25mL

Notes: _____

Prepared by: [signature]

Lab Notebook: _____

Intermediate Standards Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: S-156 2,4,5-T

Parent Solution: S 1252

Parent Solution Concentration: 190 (ng/µL)

Date Prepared: 4-5-00

Date to be Destroyed: _____ Date Destroyed: could not find 8-16-00 NF

Physical Data

Aliquot Used: 1.0 (mL)

Dilution Solvent: MeOH Dilution Volume: 25 (mL)

Final Concentration: 7.6 (µg/mL) = (ng/µL)

Notes: Phenoxy Surrogate

Prepared by: [signature]

Lab Notebook: _____

SAMPLE CHROMATOGRAPHY INFORMATION

	Analyte	Result Detected in Sample (ng/ul)	Sample Volume (ml)	Final Volume (ml)	Result Sample Concentration (ug/L)	Spike Value (ug/L)	% Recovery	
1636 DK14040	2,4,5-T (Surrogate)	0.357499	250	3.0	4.3	4.6	93	
1639 LRB	2,4,5-T (Surrogate)	0.370297	250	3.0	4.4	4.6	96	
								Spike Mix Concentration (ng/uL)
1641 LFM1 (Laboratory Fortified Matrix) DK14040	Picloram	0.119471	250	3.0	1.4	2.2	64	1.8
	Dicamba	0.0858511	250	3.0	1.0	1.6	63	1.3
	Bentazon	0.168678	250	3.0	2.0	2.0	100	1.7
	MCPA	0.257252	250	3.0	3.1	3.8	82	3.2
	2,4-D	0.195371	250	3.0	2.3	2.4	96	2.0
	MCPP	0.292290	250	3.0	3.5	4.6	76	3.8
	2,4-DP	0.205011	250	3.0	2.5	2.8	89	2.3
	2,4,5-T (Surrogate)	0.401410	250	3.0	4.8	4.6	104	7.6
	Acifluorfen	0.585246	250	3.0	7.0	6.7	104	5.6
								% Relative Difference
1642 LFM2 (Laboratory Fortified Matrix Duplicate) DK14040	Picloram	0.120381	250	3.0	1.4	2.2	64	0.0
	Dicamba	0.0726344	250	3.0	0.87	1.6	54	15
	Bentazon	0.149875	250	3.0	1.8	2.0	90	11
	MCPA	0.230032	250	3.0	2.8	3.8	74	10
	2,4-D	0.176957	250	3.0	2.1	2.4	88	8.7
	MCPP	0.278371	250	3.0	3.3	4.6	72	5.4
	2,4-DP	0.183931	250	3.0	2.2	2.8	79	12
	2,4,5-T (Surrogate)	0.336294	250	3.0	4.0	4.6	87	18
	Acifluorfen	0.553643	250	3.0	6.6	6.7	99	4.9
1640 LFB (Laboratory Fortified Blank)	Picloram	0.113792	250	3.0	1.4	2.2	64	
	Dicamba	0.0783685	250	3.0	0.94	1.6	59	
	Bentazon	0.173075	250	3.0	2.1	2.0	105	
	MCPA	0.244420	250	3.0	2.9	3.8	76	
	2,4-D	0.184299	250	3.0	2.2	2.4	92	
	MCPP	0.284498	250	3.0	3.4	4.6	74	
	2,4-DP	0.199844	250	3.0	2.4	2.8	86	
	2,4,5-T (Surrogate)	0.370296	250	3.0	4.4	4.6	96	
	Acifluorfen	0.568024	250	3.0	6.8	6.7	101	

Notes:
(1) % Relative Difference = (LFM1-LFM2)/[(LFM1+LFM2)/2] x 100
(2) Spike Level = (Spike Mix Conc.) x (Spike Volume) / (Sample Volume)

ANALYTE	Reference CCV (ng/uL) Detected	CCVS-1 (ng/uL) Detected	%
Picloram	0.446213	0.432602	97
Dicamba	0.323902	0.322207	99
Bentazon	0.409547	0.426097	104
MCPA	0.793322	0.788108	99
2,4 - D	0.503806	0.508099	101
MCPP	0.939848	0.947403	101
2,4 - DP	0.547045	0.555522	102
2,4,5 - T	0.373521	0.371292	99
Acifluorfen	1.37433	1.37346	100

Notes:
%= (CCVS/Ref. CCV)X100

```
 HPHPHP      HP     HPHPHP      HPHPHP
HP    HP    HP    HP          HP
HP    HP    HP     HP         HP
HP    HP    HP      HPHP      HP
HP    HP    HP        PHPH    H
HP    HP    HP           HP   HP
HP    HP    HP          HP    HP
 HPHPHP      HP     HPHPHP      HPHPHP
```

S E Q U E N C E

S U M M A R Y

R E P O R T

Case Number: Batch 93 ..... Matrix: Groundwater.....

Screen or Quantitation or Both Run Date: 6/14/00.....

Analyte(s): Phenols.....

Instrument: ..... Detector: .....

Column: ..... Guard Column..... yes or no

Signature/Date: Jeffrey S. Hardy 8/13/01

Notebook No.....

* A gradual retention time shift occurred throughout the run for all batches. Each data file had to be looked at individually to determine if changes in retention time identification had to be made. The retention times gradually shifted toward later elution times. Although changes in the retention times had to be made, all other integration parameters were held constant. JH 8/13/01

S e q u e n c e

Sequence Parameters:

Operator:	Jeff Hardy
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	P061400J
Part of Methods to run:	According to Runtime Checklist
Wait Time after loading Method:	0 min
Barcode Reader:	not used
Sequence Timeout:	0 min
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table:

Vial Information Part:

Line	Vial	Vial Information
1	1	
2	2	
3	3	
4	4	
5	5	
6	10	
7	3	
8	11	
9	12	
10	13	
11	14	
12	15	
13	10	
14	3	

15	21
16	22
17	23
18	24
19	25
20	10
21	3
22	31
23	32
24	33
25	34
26	35
27	10
28	3
29	41
30	42
31	43
32	44
33	45
34	none

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	M-298 LEVEL1	P061400Q	3	Sample		
2	2	M-299 LEVEL2	P061400Q	1	Sample		
3	3	M-300 LEVEL3	P061400Q	1	Sample		
4	4	M-301 LEVEL4	P061400Q	1	Sample		
5	5	M-302 LEVEL5	P061400Q	1	Sample		
6	10	RINSE	P061400Q	1	Sample		
7	3	CCV	P061400Q	1	Sample		
8	11	LRB 93	P061400Q	1	Sample		
9	12	DK14040	P061400Q	1	Sample		
10	13	LFM 1 93	P061400Q	1	Sample		
11	14	LFM 2 93	P061400Q	1	Sample		
12	15	LFB93	P061400Q	1	Sample		
13	10	RINSE	P061400Q	1	Sample		
14	3	CCV	P061400Q	1	Sample		

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
15	21	LRB 94	P061400Q	1	Sample		
16	22	DK13841	P061400Q	1	Sample		
17	23	LFM1 94	P061400Q	1	Sample		
18	24	LFM 2 94	P061400Q	1	Sample		
19	25	LFB 94	P061400Q	1	Sample		
20	10	RINSE	P061400Q	1	Sample		
21	3	CCV	P061400Q	1	Sample		
22	31	LRB 2000-070	P061400Q	1	Sample		
23	32	2000-058	P061400Q	1	Sample		
24	33	LFM1 2000-071	P061400Q	1	Sample		
25	34	LFM2 2000-072	P061400Q	1	Sample		
26	35	LFB2000-073	P061400Q	1	Sample		
27	10	RINSE	P061400Q	1	Sample		
28	3	CCV	P061400Q	1	Sample		
29	41	LRB 2000-083	P061400Q	1	Sample		
30	42	2000-074	P061400Q	1	Sample		
31	43	LFM1 2000-084	P061400Q	1	Sample		
32	44	LFM2 2000-085	P061400Q	1	Sample		
33	45	LFB2000-086	P061400Q	1	Sample		
34	none		P061400Q	1	Sample		

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	1	M-298 LEVEL1				
2	2	M-299 LEVEL2				
3	3	M-300 LEVEL3				
4	4	M-301 LEVEL4				
5	5	M-302 LEVEL5				
6	10	RINSE				
7	3	CCV				
8	11	LRB 93				
9	12	DK14040				
10	13	LFM 1 93				
11	14	LFM 2 93				
12	15	LFB93				
13	10	RINSE				
14	3	CCV				
15	21	LRB 94				
16	22	DK13841				
17	23	LFM1 94				
18	24	LFM 2 94				
19	25	LFB 94				
20	10	RINSE				
21	3	CCV				
22	31	LRB 2000-070				

Sequence File C:\HPCHEM\1\SEQUENCE\P061400J.S

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
23	32	2000-058				
24	33	LFM1 2000-071				
25	34	LFM2 2000-072				
26	35	LFB2000-073				
27	10	RINSE				
28	3	CCV				
29	41	LRB 2000-083				
30	42	2000-074				
31	43	LFM1 2000-084				
32	44	LFM2 2000-085				
33	45	LFB2000-086				
34	none					

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	Yes
SSR to Printer:	Yes
SSR to File:	No
SSR to HTML:	No
Print individual reports for each run:	No

Sequence Summary Parameters:

One page header:	Yes
Print Configuration:	No
Print Sequence:	Yes
Print Logbook:	No
Print Method(s):	Yes
Print Analysis reports:	Yes
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Print Summary:	No

Method Listing

Method Information

HPLC/SB-CN/DAD analysis method for phenoxy acids

Method Change History

Operator	Date	Change Information
Jeff Hardy	6/15/00 3:05:09 PM	
Jeff Hardy	6/19/00 3:18:26 PM	
Charity Ca	8/4/00 1:49:27 PM	
Charity Ca	8/4/00 1:51:06 PM	
Charity Ca	8/4/00 1:58:40 PM	
Charity Ca	8/8/00 9:12:48 AM	
Charity Ca	8/8/00 9:13:53 AM	
Jeff Hardy	8/10/01 4:29:44 PM	
Jeff Hardy	8/10/01 4:30:13 PM	
Jeff Hardy	8/10/01 4:32:40 PM	
Jeff Hardy	8/13/01 9:09:23 AM	
Jeff Hardy	8/13/01 9:11:20 AM	
Jeff Hardy	8/13/01 9:30:55 AM	
Jeff Hardy	8/13/01 9:49:04 AM	
Jeff Hardy	8/13/01 10:30:52 AM	

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Customized Data Analysis: off

Save GLP Data: on

Post-Run Cmd/Macro: off

Save Method with Data: skipped - no ACQ running

Injection Source and Location

Injection Source:

Injection Location: Front

FLUORESCENCE DETECTOR

Settings:

Stop Time	as Pump: 40.00 min
Excitation	Zero Order
Emission	Zero Order
Pmtgain	1
Lamp	Off
Delay	Off
Gate	Off
Responsetime	0.25 sec

Time Table is empty.

==========
HP 1100 Quaternary Pump 1
==========

Control

Flow	:	1.000 ml/min
Stoptime	:	40.00 min
Posttime	:	5.00 min

Solvents

Solvent A	:	70.0 % (H3PO4 in H2O)
Solvent B	:	30.0 % (MeCN)
Solvent C	:	Off
Solvent D	:	0.0 % (H2O)

PressureLimits

Minimum Pressure	:	0 bar
Maximum Pressure	:	400 bar

Auxiliary

Maximal Flow Ramp	:	100.00 ml/min^2
Primary Channel	:	Auto
Compressibility	:	100*10^-6/bar
Minimal Stroke	:	Auto

Store Parameters

Store Ratio A	:	Yes
Store Ratio B	:	Yes
Store Ratio C	:	Yes
Store Ratio D	:	Yes
Store Flow	:	Yes
Store Pressure	:	Yes

HP 1100 Contacts Option
==========

Contact 1	:	Open
Contact 2	:	Open
Contact 3	:	Open
Contact 4	:	Open

Timetable

Time	Solv.B	Solv.C	Solv.D	Flow	Pressure
0.00	30.0	0.0	0.0		400
25.00	30.0	0.0	0.0		400
35.00	70.0	0.0	0.0		400
38.00	70.0	0.0	0.0		400
40.00	30.0	0.0	0.0		400

HP 1100 Contacts Option Timetable
==========

Timetable is empty

==========
HP 1100 Autosampler 1
==========

Injection

Injection Mode	:	Standard
Injector volume	:	10.0 µl

Auxiliary

Drawspeed	:	200 µl/min
Ejectspeed	:	200 µl/min
Draw position	:	0.8 mm

Time

Stoptime	:	As Pump
Posttime	:	Off

==========
Integration Events
==========

Results will be produced with the enhanced integrator.

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_VWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_MWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_DAD"

Event	Value	Time
Initial Slope Sensitivity	5.000	Initial
Initial Peak Width	0.050	Initial
Initial Area Reject	5.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FLD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Signal Specific Integration Event Table "Event_FLD1A"

Event	Value	Time
Initial Slope Sensitivity	0.200	Initial
Initial Peak Width	0.100	Initial
Initial Area Reject	0.000	Initial
Initial Height Reject	0.020	Initial
Initial Shoulders	OFF	Initial
Integration OFF		0.000
Integration ON		10.000
Baseline Now		24.007
Baseline Now		29.297
Baseline Now		30.038
Fixed Peak Width	0.150	41.183

Signal Specific Integration Event Table "Event_DAD1C"

Event	Value	Time
Initial Slope Sensitivity	0.380	Initial
Initial Peak Width	0.100	Initial
Initial Area Reject	0.000	Initial
Initial Height Reject	0.000	Initial
Initial Shoulders	OFF	Initial
Integration OFF		0.000
Integration ON		7.000
Integration OFF		20.004
Integration ON		23.434
Baseline Now		23.768
Baseline Now		23.973
Integration OFF		24.092
Integration ON		25.200
Baseline Now		25.236
Baseline Now		25.492
Integration OFF		26.000

Signal Specific Integration Event Table "Event_DAD1A"

Event	Value	Time

Initial Slope Sensitivity	0.402	Initial
Initial Peak Width	0.095	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	0.052	Initial
Initial Shoulders	OFF	Initial
Integration OFF		0.141
Integration ON		6.225
Integration OFF		12.823
Integration ON		13.500
Integration OFF		18.000
Integration ON		19.000
Slope Sensitivity	0.250	25.765
Integration OFF		31.199
Slope Sensitivity	10.000	37.000
Integration ON		37.000
Integration OFF		37.900

Apply Manual Integration Events: No

==========

Specify Report

==========

Destination: Printer
Quantitative Results sorted by: Retention Time
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 20 % of Page

==========

Signal Options

==========

Include: Axes, Compound Names, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Use Ranges

	Min Value	Max Value
Time		
Response	-1.000	50.000

Multi Chromatograms: Overlaid, All the same Scale

==========

Calibration Table

==========

phenoxy acids

Calib. Data Modified : 8/13/01 9:54:19 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %

Abs. Reference Window : 0.500 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.500 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Lvl Sig		Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
7.176	1	1	8.80000e-2	3.16138	2.78359e-2			Picloram
		2	1.80000e-1	6.64745	2.70780e-2			
		3	4.40000e-1	16.40001	2.68293e-2			
		4	8.80000e-1	32.98217	2.66811e-2			
		5	1.80000	65.98766	2.72778e-2			
11.365	1	1	6.60000e-2	3.09221	2.13440e-2			Dicamba
		2	1.30000e-1	6.04537	2.15041e-2			
		3	3.30000e-1	15.50045	2.12897e-2			
		4	6.60000e-1	31.13644	2.11970e-2			
		5	1.30000	62.29116	2.08697e-2			
14.780	1	1	8.50000e-2	3.17804	2.67460e-2			Bentazon
		2	1.70000e-1	6.66858	2.54927e-2			
		3	4.30000e-1	15.78944	2.72334e-2			
		4	8.50000e-1	32.21239	2.63874e-2			
		5	1.70000	64.68232	2.62823e-2			
15.574	1	1	1.60000e-1	8.02733	1.99319e-2			MCPA
		2	3.20000e-1	16.56249	1.93208e-2			
		3	8.00000e-1	41.65430	1.92057e-2			
		4	1.60000	83.31960	1.92032e-2			
		5	3.20000	167.24545	1.91336e-2			
16.043	1	1	1.00000e-1	4.07384	2.45469e-2			2,4 - D
		2	2.00000e-1	8.69308	2.30068e-2			
		3	5.00000e-1	21.94518	2.27840e-2			
		4	1.00000	44.78707	2.23279e-2			
		5	2.00000	89.12008	2.24416e-2			
20.356	1	1	1.10000e-1	8.23205	1.33624e-2			2,4 - DP
		2	2.20000e-1	17.02669	1.29209e-2			
		3	5.50000e-1	42.48188	1.29467e-2			
		4	1.10000	87.81473	1.25264e-2			
		5	2.20000	176.30823	1.24781e-2			
21.075	1	1	1.90000e-1	4.91304	3.86726e-2			MCPP
		2	3.80000e-1	9.59914	3.95869e-2			
		3	9.50000e-1	23.39038	4.06150e-2			

		4	1.90000	49.53586	3.83561e-2	
		5	3.80000	97.82126	3.88464e-2	
25.206	1	1	7.60000e-2	2.67320	2.84304e-2	2,4,5 - T
		2	1.50000e-1	6.51219	2.30337e-2	
		3	3.80000e-1	17.07050	2.22606e-2	
		4	7.60000e-1	34.37690	2.21079e-2	
		5	1.50000	68.97020	2.17485e-2	
37.513	1	1	2.80000e-1	11.73914	2.38518e-2	Acifluorfen
		2	5.60000e-1	23.11520	2.42265e-2	
		3	1.40000	56.35044	2.48445e-2	
		4	2.80000	114.10844	2.45381e-2	
		5	5.60000	234.66730	2.38636e-2	

More compound-specific settings:

Compound: Picloram
  Time Window : From 6.926 min To 7.876 min

Compound: Dicamba
  Time Window : From 11.115 min To 12.165 min

Compound: Bentazon
  Time Window : From 14.530 min To 15.280 min

Compound: MCPA
  Time Window : From 15.000 min To 15.872 min

Compound: 2,4 - D
  Time Window : From 15.899 min To 17.293 min

Compound: 2,4 - DP
  Time Window : From 19.500 min To 21.356 min

Compound: MCPP
  Time Window : From 20.500 min To 22.375 min

Compound: 2,4,5 - T
  Time Window : From 24.000 min To 27.506 min

2 Warnings or Errors :

Warning : Overlapping peak time windows at 14.78 min, signal 1
Warning : Overlapping peak time windows at 20.356 min, signal 1

==========

Peak Sum Table

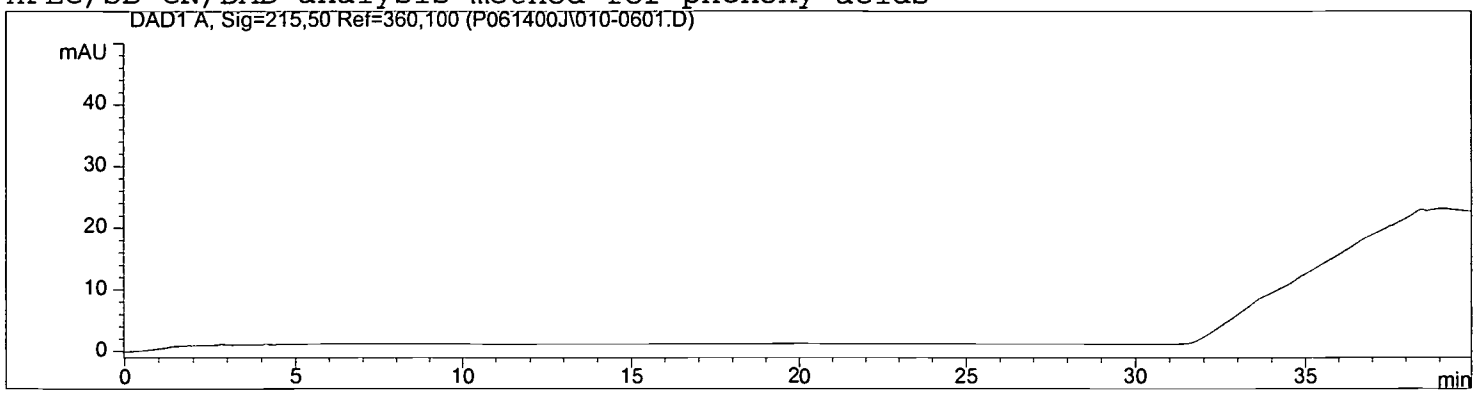
==========

No Entries in table

==========

==========

Injection Date : 6/14/00 9:06:17 PM Seq. Line : 6
Sample Name : RINSE Vial : 10
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\P061400J.S
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 10:30:52 AM by Jeff Hardy
HPLC/SB-CN/DAD analysis method for phenoxy acids



==========

External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 8/13/01 9:54:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.176	1		-	-	-		Picloram
11.365	1		-	-	-		Dicamba
14.780	1		-	-	-		Bentazon
15.574	1		-	-	-		MCPA
16.043	1		-	-	-		2,4 - D
20.356	1		-	-	-		2,4 - DP
21.075	1		-	-	-		MCPP
25.206	1		-	-	-		2,4,5 - T
37.513	1		-	-	-		Acifluorfen

Totals : 0.00000

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

==========

Area Percent Report

==========

Sorted By : Retention Time
Calib. Data Modified : 8/13/01 9:54:19 AM
Multiplier : 1.0000
Dilution : 1.0000

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Area %	Name
1	7.176	1		0.00000	0.0000	Picloram
2	11.365	1		0.00000	0.0000	Dicamba
3	14.780	1		0.00000	0.0000	Bentazon
4	15.574	1		0.00000	0.0000	MCPA
5	16.043	1		0.00000	0.0000	2,4 - D
6	20.356	1		0.00000	0.0000	2,4 - DP
7	21.075	1		0.00000	0.0000	MCPP
8	25.206	1		0.00000	0.0000	2,4,5 - T
9	37.513	1		0.00000	0.0000	Acifluorfen

Totals : 0.00000

2 Warnings or Errors :

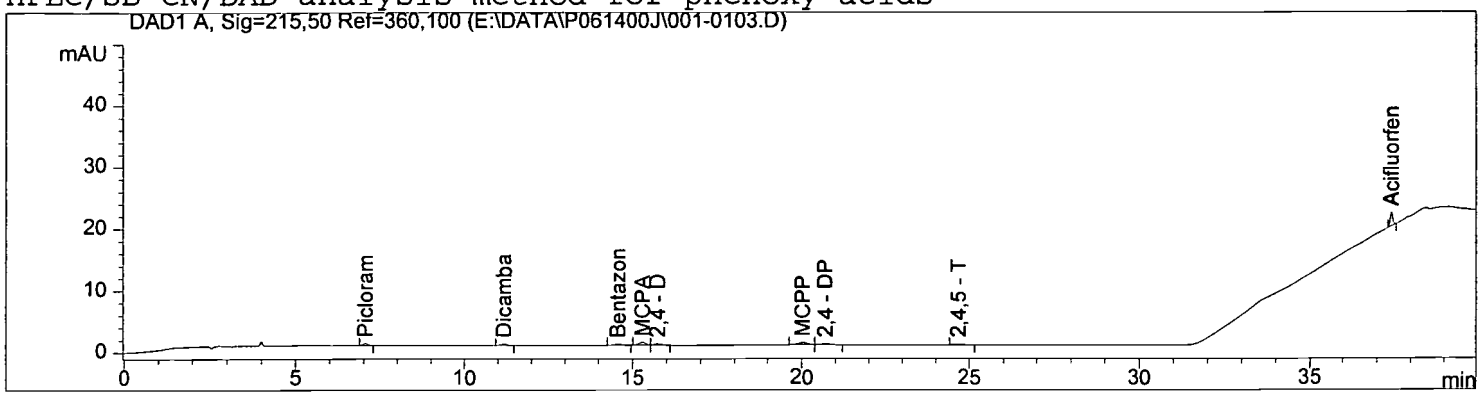
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

==========

Injection Date : 6/14/00 5:15:28 PM Seq. Line : 1
Sample Name : M-298 LEVEL1 Vial : 1
Acq. Operator : Jeff Hardy Inj : 3
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:01:39 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:00:37 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.046	1	BB	3.16138	2.58474e-2	8.17133e-2		Picloram
11.175	1	BP	3.09221	2.24921e-2	6.95503e-2		Dicamba
14.563	1	BB	3.17804	2.72917e-2	8.67342e-2		Bentazon
15.302	1	BV	8.02733	1.97726e-2	1.58721e-1		MCPA
15.744	1	VP	4.07384	2.40036e-2	9.77869e-2		2,4 - D
20.029	1	BV	8.23205	4.00043e-2	3.29317e-1		MCPP
20.699	1	VB	4.91304	1.48359e-2	7.28893e-2		2,4 - DP
24.682	1	BP	2.67320	2.69198e-2	7.19620e-2		2,4,5 - T
37.432	1	BP	11.73914	2.62688e-2	3.08373e-1		Acifluorfen

Totals : 1.27705

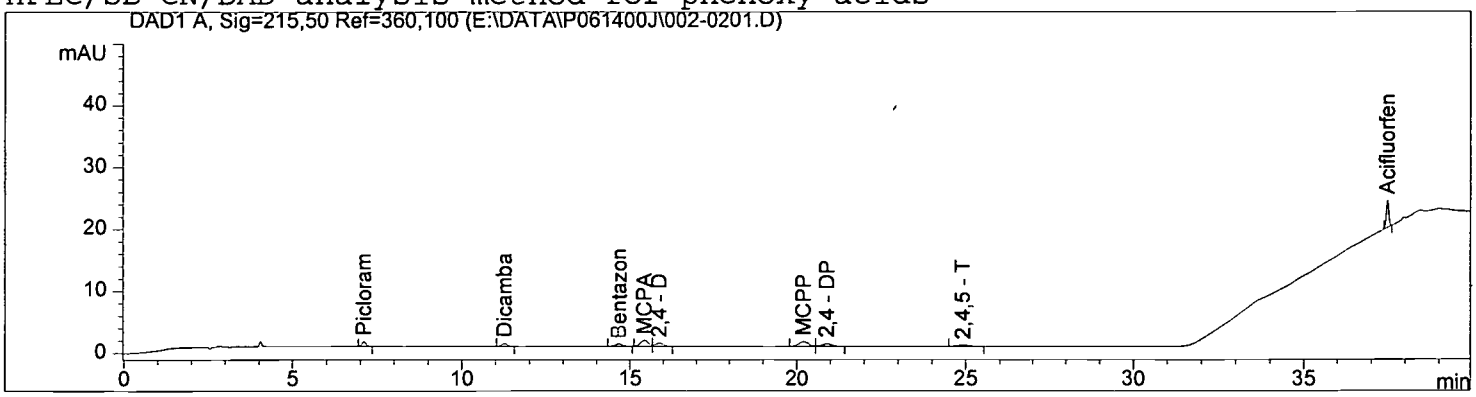
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
==================================================================
Injection Date   : 6/14/00 6:01:40 PM          Seq. Line :   2
Sample Name      : M-299 LEVEL2                     Vial :   2
Acq. Operator    : Jeff Hardy                        Inj :   1
                                              Inj Volume : 10 µl
Acq. Method      : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed     : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method  : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed     : 8/13/01 3:02:08 PM by Jeff Hardy
                   (modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids
```



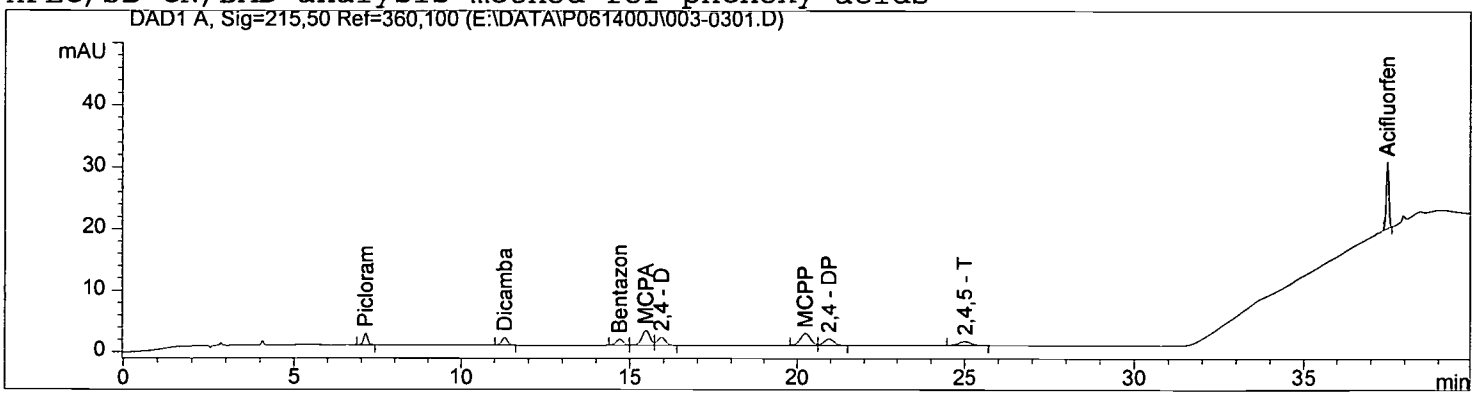

```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      8/13/01 3:00:37 PM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100
```

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.103	1	BB	6.64745	2.65784e-2	1.76679e-1		Picloram
11.253	1	BP	6.04537	2.16849e-2	1.31093e-1		Dicamba
14.673	1	BB	6.66858	2.67563e-2	1.78427e-1		Bentazon
15.433	1	BV	16.56249	1.94296e-2	3.21803e-1		MCPA
15.882	1	VP	8.69308	2.31166e-2	2.00955e-1		2,4 - D
20.195	1	BV	17.02669	3.93190e-2	6.69472e-1		MCPP
20.893	1	VB	9.59914	1.36548e-2	1.31074e-1		2,4 - DP
24.917	1	BB	6.51219	2.37608e-2	1.54735e-1		2,4,5 - T
37.473	1	BP	23.11520	2.50842e-2	5.79826e-1		Acifluorfen

```
Totals :                                    2.54406

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==================================================================
                        *** End of Report ***
```

==========

Injection Date : 6/14/00 6:47:46 PM Seq. Line : 3
Sample Name : M-300 LEVEL3 Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:03:24 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:00:37 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.138	1	BB	16.40001	2.69726e-2	4.42351e-1		Picloram
11.294	1	BB	15.50045	2.11693e-2	3.28134e-1		Dicamba
14.697	1	BV	15.78944	2.64748e-2	4.18022e-1		Bentazon
15.477	1	VV	41.65430	1.92353e-2	8.01233e-1		MCPA
15.933	1	VB	21.94518	2.26442e-2	4.96931e-1		2,4 - D
20.239	1	BV	42.48188	3.89346e-2	1.65402		MCPP
20.941	1	VP	23.39038	1.29246e-2	3.02312e-1		2,4 - DP
25.011	1	BB	17.07050	2.24002e-2	3.82383e-1		2,4,5 - T
37.484	1	BP	56.35044	2.43632e-2	1.37288		Acifluorfen

Totals : 6.19826

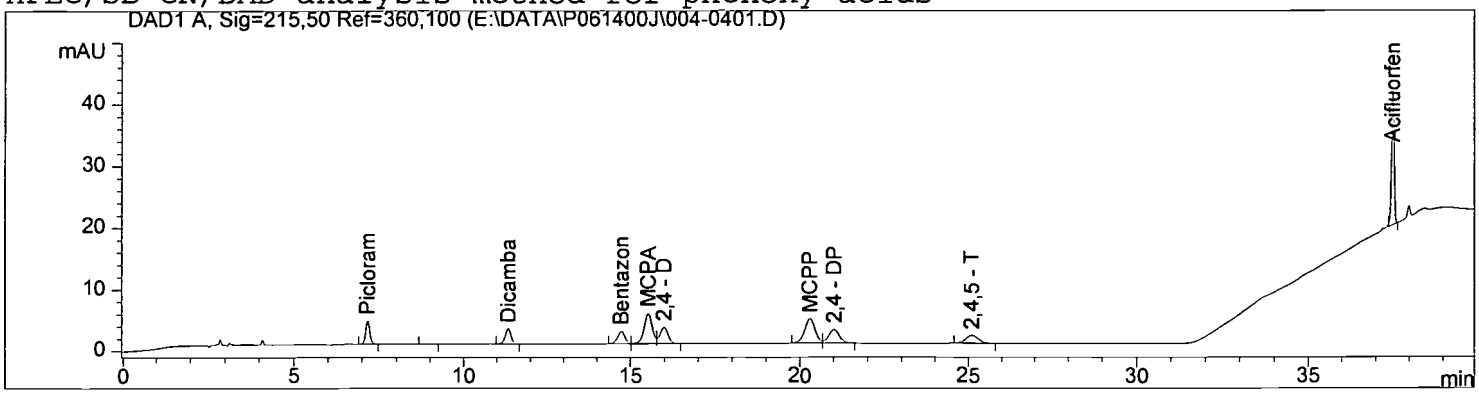
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/14/00 7:33:57 PM Seq. Line : 4
Sample Name : M-301 LEVEL4 Vial : 4
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:04:40 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:00:37 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.165	1	BB	32.98217	2.71077e-2	8.94072e-1		Picloram
11.331	1	VB	31.13644	2.10038e-2	6.53984e-1		Dicamba
14.734	1	BV	32.21239	2.63698e-2	8.49434e-1		Bentazon
15.521	1	VV	83.31960	1.91712e-2	1.59733		MCPA
15.986	1	VB	44.78707	2.24862e-2	1.00709		2,4 - D
20.291	1	BV	87.81473	3.88019e-2	3.40738		MCPP
21.004	1	VB	49.53586	1.26564e-2	6.26946e-1		2,4 - DP
25.111	1	BP	34.37690	2.19777e-2	7.55527e-1		2,4,5 - T
37.504	1	BP	114.10844	2.41094e-2	2.75109		Acifluorfen

Totals : 12.54285

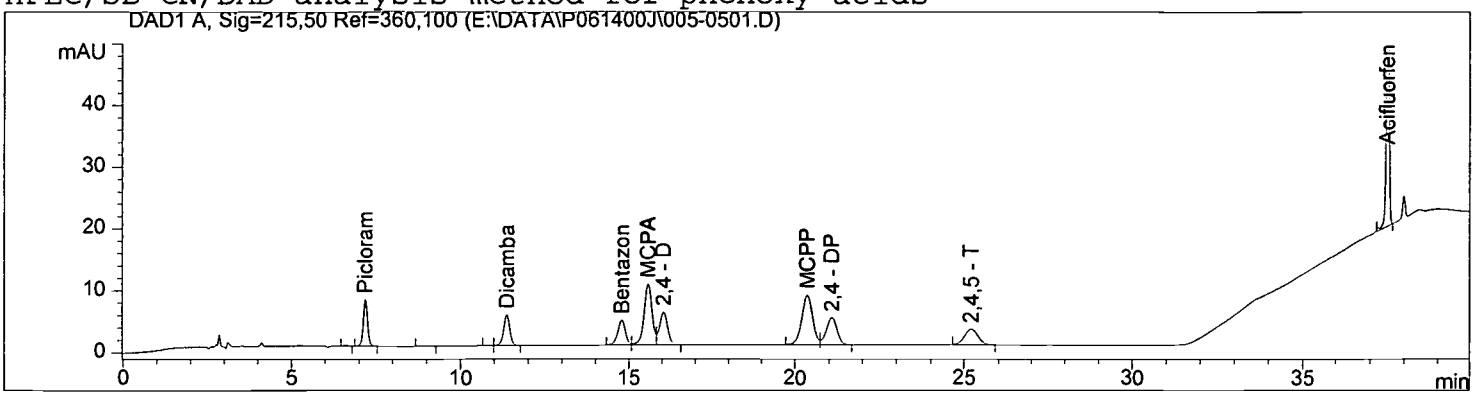
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/14/00 8:20:07 PM Seq. Line : 5
Sample Name : M-302 LEVEL5 Vial : 5
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:05:06 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:00:37 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.176	1	BB	65.98766	2.71746e-2	1.79319		Picloram
11.365	1	VB	62.29116	2.09217e-2	1.30324		Dicamba
14.780	1	BV	64.68232	2.63191e-2	1.70238		Bentazon
15.574	1	VV	167.24545	1.91390e-2	3.20091		MCPA
16.043	1	VB	89.12008	2.24106e-2	1.99724		2,4 - D
20.356	1	BV	176.30823	3.87395e-2	6.83009		MCPP
21.075	1	VB	97.82126	1.25380e-2	1.22648		2,4 - DP
25.206	1	BB	68.97020	2.17687e-2	1.50139		2,4,5 - T
37.513	1	BB	234.66730	2.39822e-2	5.62784		Acifluorfen

Totals : 25.18275

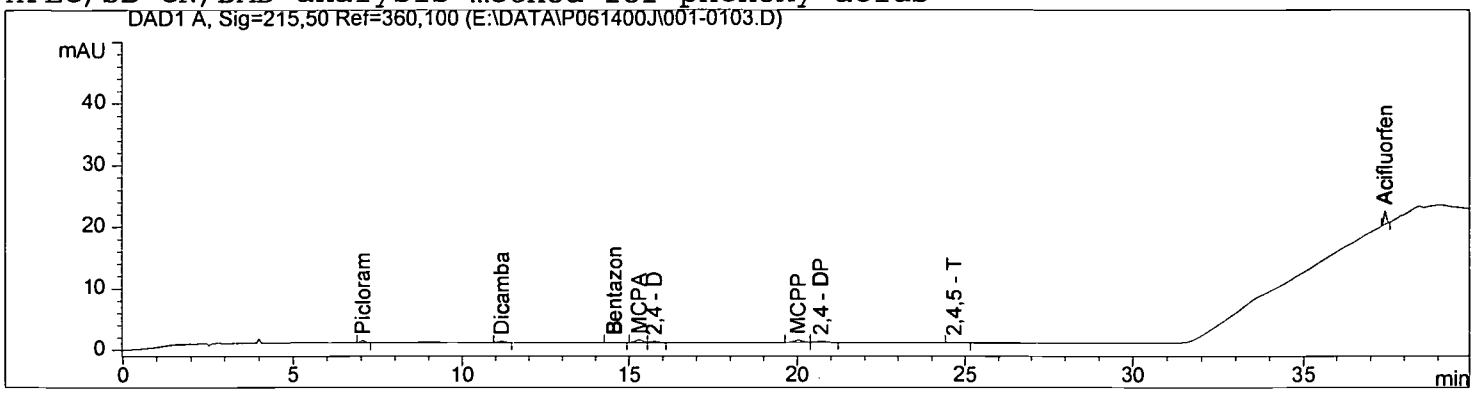
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/14/00 5:15:28 PM Seq. Line : 1
Sample Name : M-298 LEVEL1 Vial : 1
Acq. Operator : Jeff Hardy Inj : 3
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:35:03 PM by Jeff Hardy
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, August 13, 2001 3:35:01 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.046	1	BB	3.16138	2.58474e-2	8.17133e-2		Picloram
11.175	1	BP	3.09221	2.24921e-2	6.95503e-2		Dicamba
14.563	1	BB	3.17804	2.72917e-2	8.67342e-2		Bentazon
15.302	1	BV	8.02733	1.97726e-2	1.58721e-1		MCPA
15.744	1	VP	4.07384	2.40036e-2	9.77869e-2		2,4 - D
20.029	1	BV	8.23205	2.39407e-2	1.97081e-1		MCPP
20.699	1	VB	4.91304	2.36793e-2	1.16337e-1		2,4 - DP
24.682	1	BP	2.67320	2.69198e-2	7.19620e-2		2,4,5 - T
37.432	1	BP	11.73914	2.62688e-2	3.08373e-1		Acifluorfen

Totals : 1.18826

Results obtained with enhanced integrator!
1 Warnings or Errors :

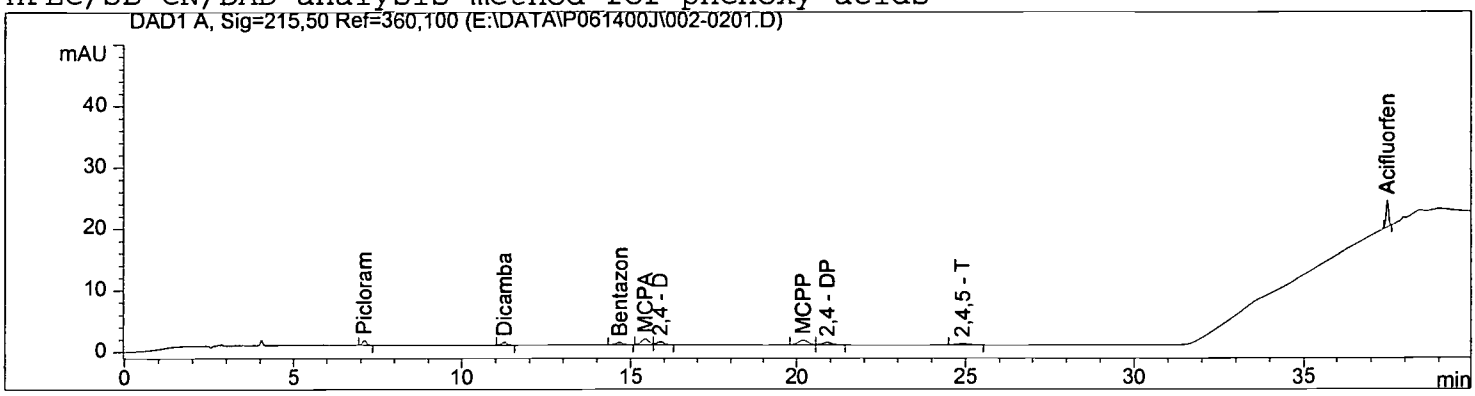
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

==========

Injection Date : 6/14/00 6:01:40 PM Seq. Line : 2
Sample Name : M-299 LEVEL2 Vial : 2
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:35:03 PM by Jeff Hardy
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, August 13, 2001 3:35:01 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.103	1	BB	6.64745	2.65784e-2	1.76679e-1		Picloram
11.253	1	BP	6.04537	2.16849e-2	1.31093e-1		Dicamba
14.673	1	BB	6.66858	2.67563e-2	1.78427e-1		Bentazon
15.433	1	BV	16.56249	1.94296e-2	3.21803e-1		MCPA
15.882	1	VP	8.69308	2.31166e-2	2.00955e-1		2,4 - D
20.195	1	BV	17.02669	2.26525e-2	3.85696e-1		MCPP
20.893	1	VB	9.59914	2.30510e-2	2.21270e-1		2,4 - DP
24.917	1	BB	6.51219	2.37608e-2	1.54735e-1		2,4,5 - T
37.473	1	BP	23.11520	2.50842e-2	5.79826e-1		Acifluorfen

Totals : 2.35048

Results obtained with enhanced integrator!
1 Warnings or Errors :

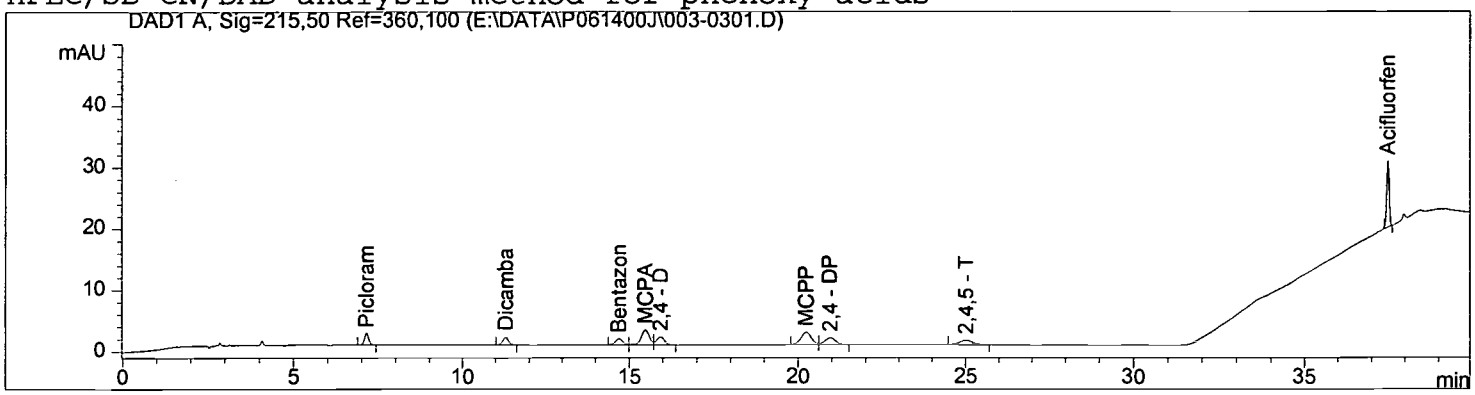
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

==========

Injection Date : 6/14/00 6:47:46 PM Seq. Line : 3
Sample Name : M-300 LEVEL3 Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:37:27 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.138	1	BB	16.40001	2.69726e-2	4.42351e-1		Picloram
11.294	1	BB	15.50045	2.11693e-2	3.28134e-1		Dicamba
14.697	1	BV	15.78944	2.64748e-2	4.18022e-1		Bentazon
15.477	1	VV	41.65430	1.92353e-2	8.01233e-1		MCPA
15.933	1	VB	21.94518	2.26442e-2	4.96931e-1		2,4 - D
20.239	1	BV	42.48188	2.19299e-2	9.31623e-1		MCPP
20.941	1	VP	23.39038	2.26626e-2	5.30087e-1		2,4 - DP
25.011	1	BB	17.07050	2.24002e-2	3.82383e-1		2,4,5 - T
37.484	1	BP	56.35044	2.43632e-2	1.37288		Acifluorfen

Totals : 5.70364

Results obtained with enhanced integrator!
1 Warnings or Errors :

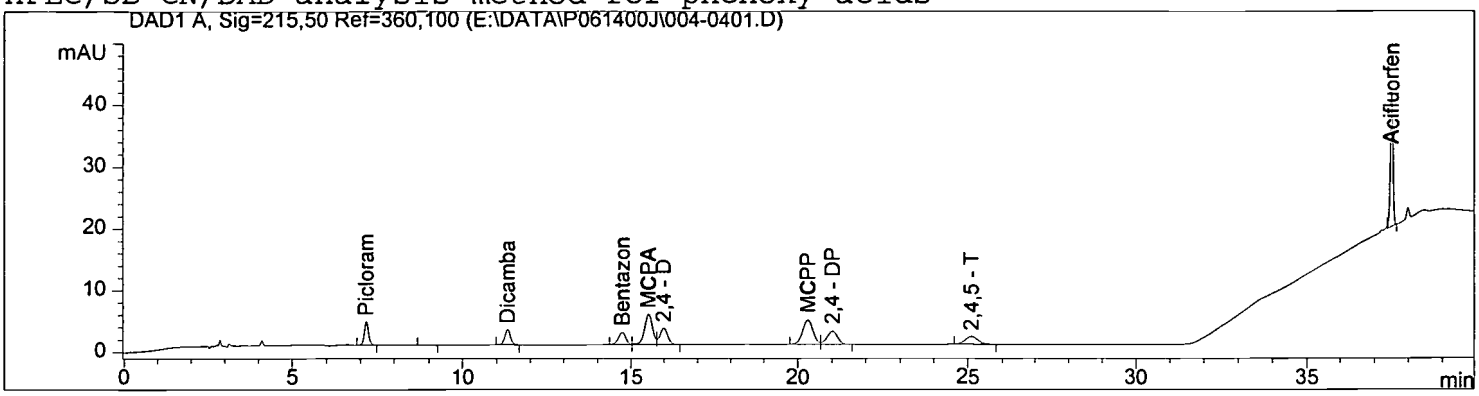
Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

==========

Injection Date : 6/14/00 7:33:57 PM Seq. Line : 4
Sample Name : M-301 LEVEL4 Vial : 4
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:38:18 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.165	1	BB	32.98217	2.71077e-2	8.94072e-1		Picloram
11.331	1	VB	31.13644	2.10038e-2	6.53984e-1		Dicamba
14.734	1	BV	32.21239	2.63698e-2	8.49434e-1		Bentazon
15.521	1	VV	83.31960	1.91712e-2	1.59733		MCPA
15.986	1	VB	44.78707	2.24862e-2	1.00709		2,4 - D
20.291	1	BV	87.81473	2.16804e-2	1.90386		MCPP
21.004	1	VB	49.53586	2.25199e-2	1.11554		2,4 - DP
25.111	1	BP	34.37690	2.19777e-2	7.55527e-1		2,4,5 - T
37.504	1	BP	114.10844	2.41094e-2	2.75109		Acifluorfen

Totals : 11.52793

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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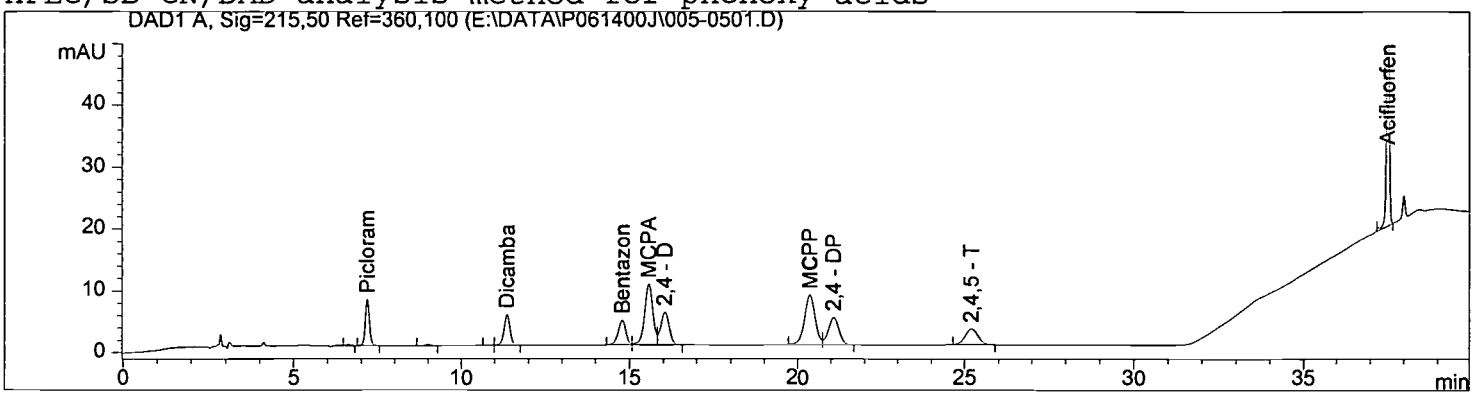
*** End of Report ***

==========

Injection Date : 6/14/00 8:20:07 PM Seq. Line : 5
Sample Name : M-302 LEVEL5 Vial : 5
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:39:17 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.176	1	BB	65.98766	2.71746e-2	1.79319		Picloram
11.365	1	VB	62.29116	2.09217e-2	1.30324		Dicamba
14.780	1	BV	64.68232	2.63191e-2	1.70238		Bentazon
15.574	1	VV	167.24545	1.91390e-2	3.20091		MCPA
16.043	1	VB	89.12008	2.24106e-2	1.99724		2,4 - D
20.356	1	BV	176.30823	2.15630e-2	3.80174		MCPP
21.075	1	VB	97.82126	2.24569e-2	2.19676		2,4 - DP
25.206	1	BB	68.97020	2.17687e-2	1.50139		2,4,5 - T
37.513	1	BB	234.66730	2.39822e-2	5.62784		Acifluorfen

Totals : 23.12469

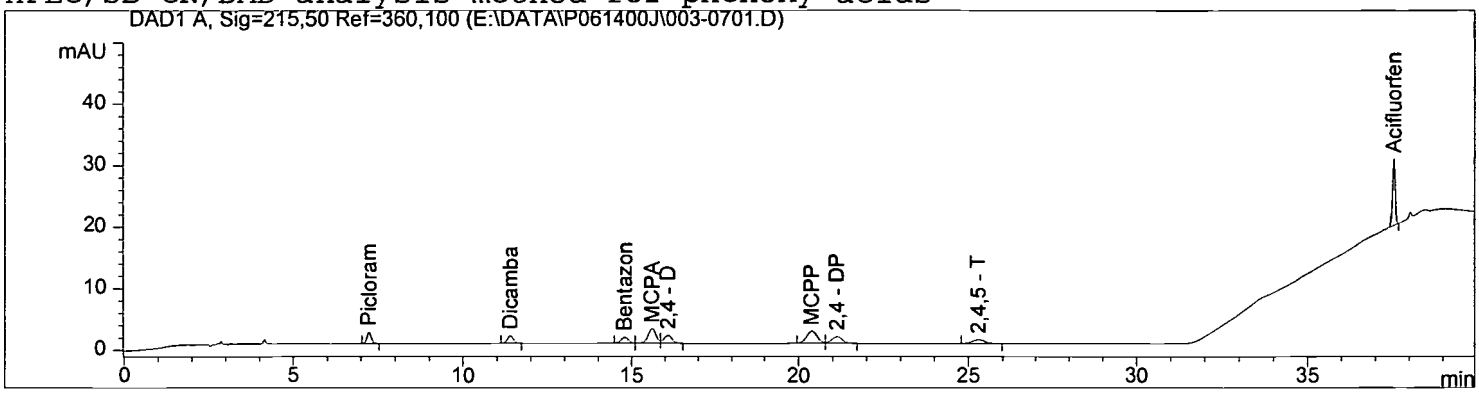
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/14/00 9:52:27 PM Seq. Line : 7
Sample Name : CCV Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:40:41 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.232	1	BB	16.54176	2.69749e-2	4.46213e-1		Picloram
11.396	1	BB	15.29735	2.11737e-2	3.23902e-1		Dicamba
14.796	1	BV	15.46683	2.64791e-2	4.09547e-1		Bentazon
15.615	1	VV	41.24027	1.92366e-2	7.93322e-1		MCPA
16.091	1	VB	22.25300	2.26399e-2	5.03806e-1		2,4 - D
20.400	1	BV	42.86540	2.19256e-2	9.39848e-1		MCPP
21.126	1	VP	24.14768	2.26541e-2	5.47045e-1		2,4 - DP
25.298	1	BB	16.65951	2.24209e-2	3.73521e-1		2,4,5 - T
37.548	1	BP	56.41113	2.43627e-2	1.37433		Acifluorfen

Totals : 5.71153

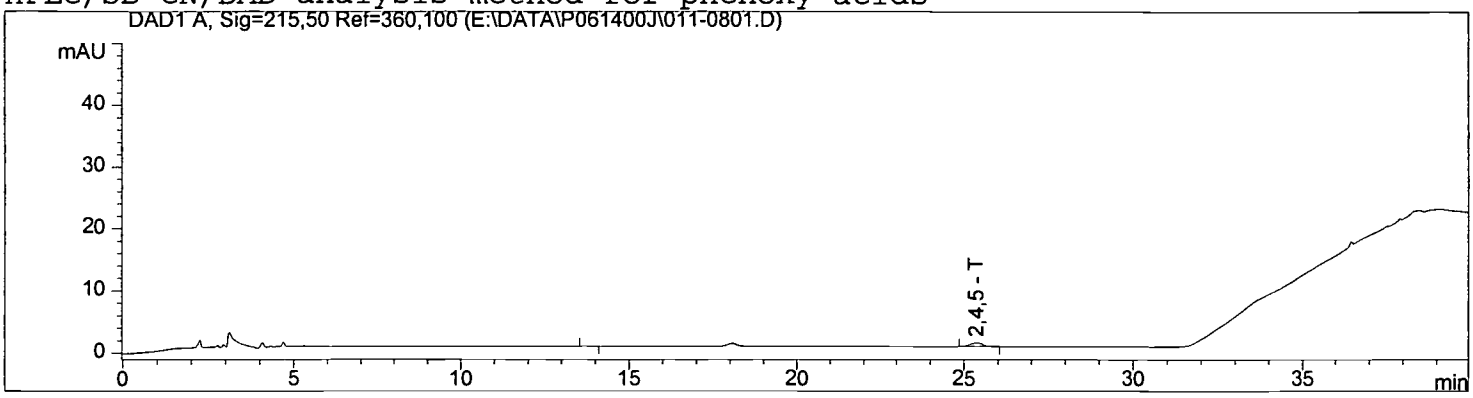
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/14/00 10:38:35 PM Seq. Line : 8
Sample Name : LRB 93 Vial : 11
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:41:04 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.046	1		-	-	-		Picloram
11.175	1		-	-	-		Dicamba
14.563	1		-	-	-		Bentazon
15.500	1		-	-	-		MCPA
16.000	1		-	-	-		2,4 - D
20.400	1		-	-	-		MCPP
21.000	1		-	-	-		2,4 - DP
25.359	1	BP	16.50997	2.24287e-2	3.70297e-1		2,4,5 - T
37.432	1		-	-	-		Acifluorfen

Totals : 3.70297e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

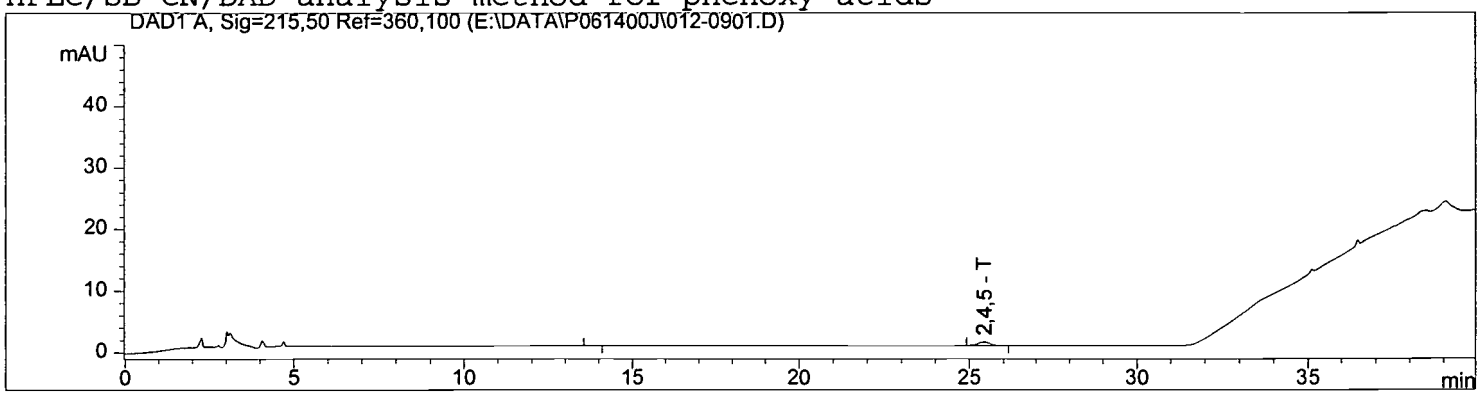
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

==========

Injection Date : 6/14/00 11:24:40 PM Seq. Line : 9
Sample Name : DK14040 Vial : 12
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:41:29 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.046	1		-	-	-		Picloram
11.175	1		-	-	-		Dicamba
14.563	1		-	-	-		Bentazon
15.500	1		-	-	-		MCPA
16.000	1		-	-	-		2,4 - D
20.400	1		-	-	-		MCPP
21.000	1		-	-	-		2,4 - DP
25.445	1	BB	15.91640	2.24611e-2	3.57499e-1		2,4,5 - T
37.432	1		-	-	-		Acifluorfen

Totals : 3.57499e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

*** End of Report ***

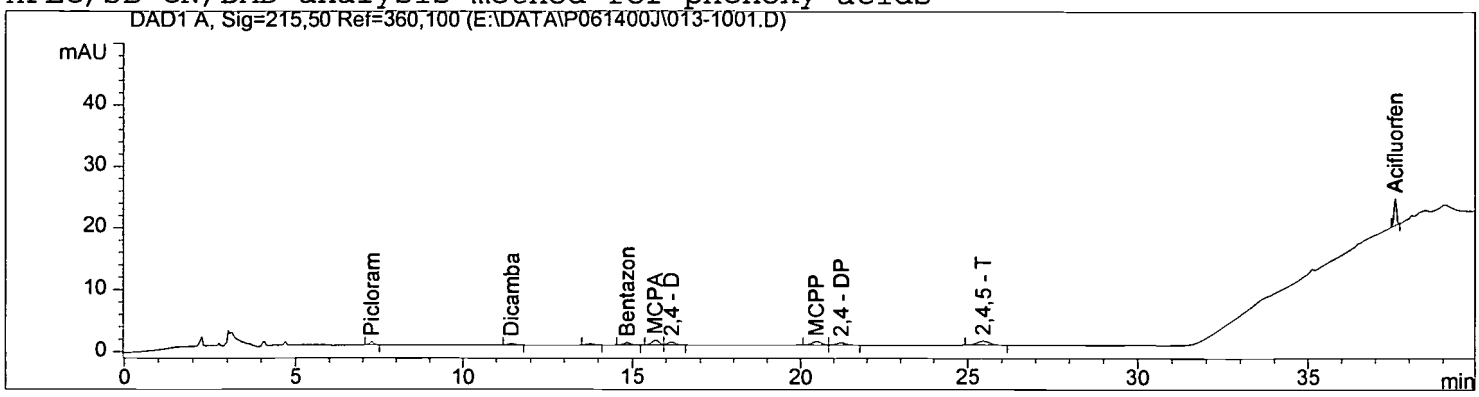
==========

Injection Date : 6/15/00 12:10:50 AM
Sample Name : LFM 1 93
Acq. Operator : Jeff Hardy

Seq. Line : 10
Vial : 13
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:42:21 PM by Jeff Hardy
(modified after loading)

HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.265	1	BB	4.54744	2.62722e-2	1.19471e-1		Picloram
11.439	1	BP	3.87441	2.21585e-2	8.58511e-2		Dicamba
14.842	1	BB	6.29748	2.67851e-2	1.68678e-1		Bentazon
15.682	1	BV	13.18410	1.95123e-2	2.57252e-1		MCPA
16.167	1	VB	8.44310	2.31398e-2	1.95371e-1		2,4 - D
20.476	1	BV	12.67140	2.30669e-2	2.92290e-1		MCPP
21.224	1	VB	8.87303	2.31049e-2	2.05011e-1		2,4 - DP
25.453	1	BB	17.95298	2.23590e-2	4.01410e-1		2,4,5 - T
37.575	1	BP	23.34232	2.50723e-2	5.85246e-1		Acifluorfen

Totals : 2.31058

Results obtained with enhanced integrator!

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*** End of Report ***

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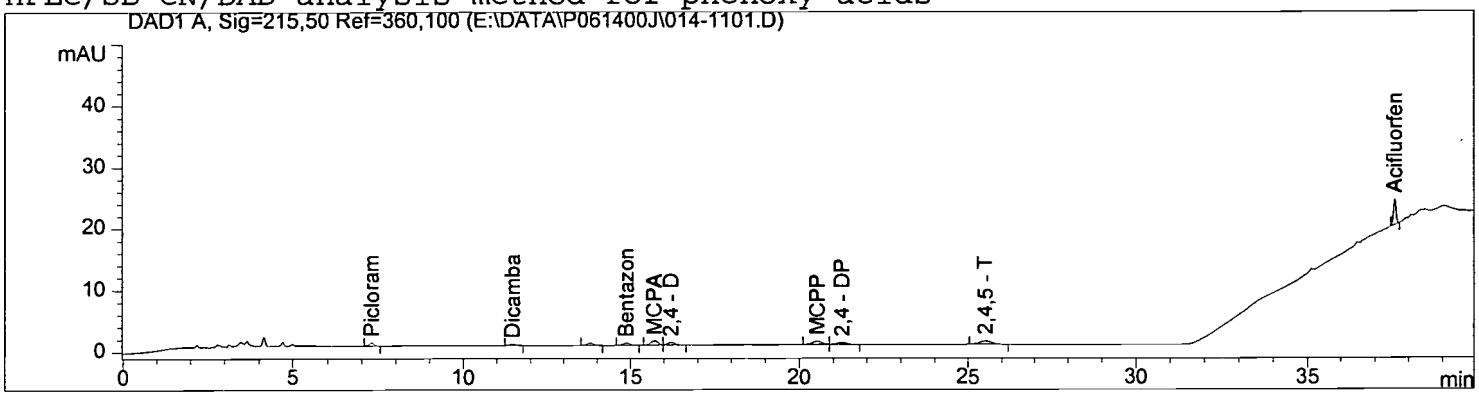
Injection Date : 6/15/00 12:57:01 AM Seq. Line : 11
Sample Name : LFM 2 93 Vial : 14
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:43:11 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.284	1	BP	4.58081	2.62793e-2	1.20381e-1		Picloram
11.462	1	BP	3.24020	2.24166e-2	7.26344e-2		Dicamba
14.871	1	BB	5.58169	2.68512e-2	1.49875e-1		Bentazon
15.717	1	BV	11.75947	1.95614e-2	2.30032e-1		MCPA
16.207	1	VB	7.61861	2.32269e-2	1.76957e-1		2,4 - D
20.517	1	BV	12.02238	2.31544e-2	2.78371e-1		MCPP
21.259	1	VB	7.93164	2.31895e-2	1.83931e-1		2,4 - DP
25.507	1	BB	14.93290	2.25203e-2	3.36294e-1		2,4,5 - T
37.585	1	BP	22.01791	2.51451e-2	5.53643e-1		Acifluorfen

Totals : 2.10212

Results obtained with enhanced integrator!

==========

*** End of Report ***

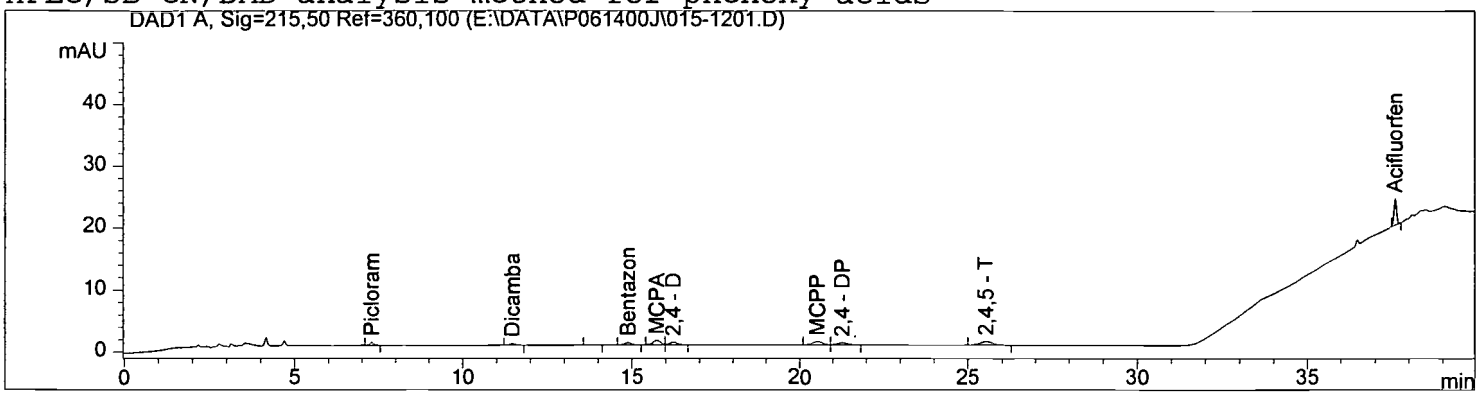
==========

Injection Date : 6/15/00 1:43:08 AM
Sample Name : LFB93
Acq. Operator : Jeff Hardy

Seq. Line : 12
Vial : 15
Inj : 1
Inj Volume : 10 µl

Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:43:36 PM by Jeff Hardy
(modified after loading)

HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.293	1	BB	4.33897	2.62257e-2	1.13792e-1		Picloram
11.478	1	BB	3.51535	2.22932e-2	7.83685e-2		Dicamba
14.887	1	BB	6.46487	2.67717e-2	1.73075e-1		Bentazon
15.735	1	BV	12.51251	1.95340e-2	2.44420e-1		MCPA
16.226	1	VB	7.94736	2.31900e-2	1.84299e-1		2,4 - D
20.537	1	BV	12.30807	2.31147e-2	2.84498e-1		MCPP
21.275	1	VB	8.64229	2.31239e-2	1.99844e-1		2,4 - DP
25.540	1	BB	16.50993	2.24287e-2	3.70296e-1		2,4,5 - T
37.591	1	BP	22.62060	2.51109e-2	5.68024e-1		Acifluorfen

Totals : 2.21662

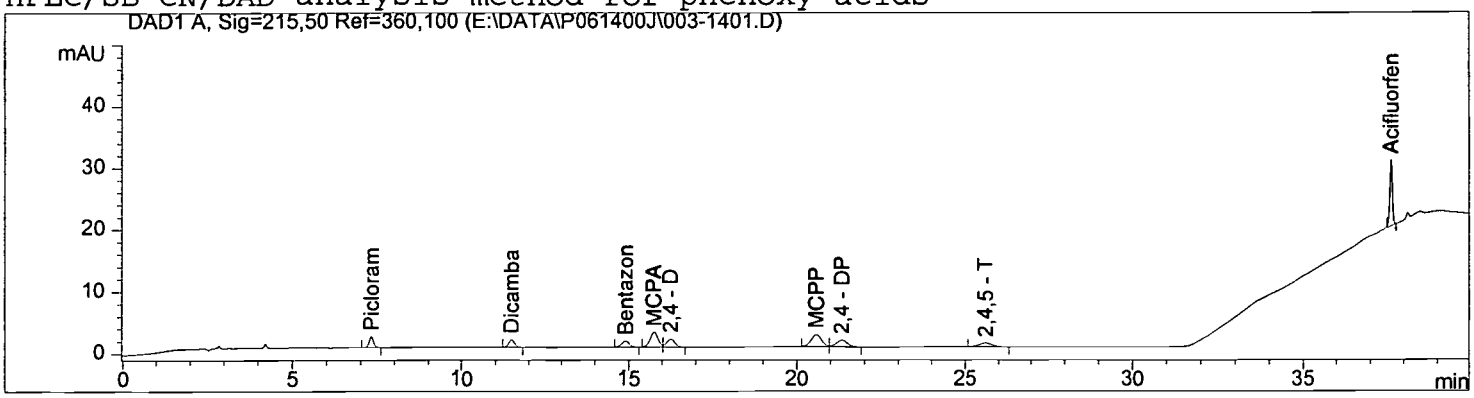
Results obtained with enhanced integrator!

==========

*** End of Report ***

==========

Injection Date : 6/15/00 3:15:28 AM Seq. Line : 14
Sample Name : CCV Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 10 µl
Acq. Method : C:\HPCHEM\1\METHODS\PHENOXY.M
Last changed : 3/20/00 10:27:46 AM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\P061400Q.M
Last changed : 8/13/01 3:44:26 PM by Jeff Hardy
(modified after loading)
HPLC/SB-CN/DAD analysis method for phenoxy acids



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 8/13/01 3:37:19 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: DAD1 A, Sig=215,50 Ref=360,100

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng/ul]	Grp	Name
7.312	1	BB	16.04214	2.69666e-2	4.32602e-1		Picloram
11.497	1	BB	15.21603	2.11755e-2	3.22207e-1		Dicamba
14.902	1	BB	16.09685	2.64708e-2	4.26097e-1		Bentazon
15.756	1	BV	40.96738	1.92375e-2	7.88108e-1		MCPA
16.253	1	VB	22.44519	2.26373e-2	5.08099e-1		2,4 - D
20.571	1	BV	43.21764	2.19217e-2	9.47403e-1		MCPP
21.320	1	VP	24.52627	2.26501e-2	5.55522e-1		2,4 - DP
25.620	1	BB	16.55609	2.24263e-2	3.71292e-1		2,4,5 - T
37.612	1	BP	56.37464	2.43630e-2	1.37346		Acifluorfen

Totals : 5.72479

Results obtained with enhanced integrator!

==========

*** End of Report ***

SAMPLE

IMMUNOASSAY

INFORMATION

Description of Immunoassays and Screen Results

The immunoassay screens are performed using the RPA-I System Package and 2,4-D and Carbofuran Assay Kits from Strategic Diagnostics. All methods and procedures used are those that come with the system and kits.

Two replicates of each sample are analyzed and compared to the standard curve consisting of four calibration standards at two replicates each and one replicate of a control. The standards and control come with the assay kits. The concentrations for the Carbofuran standards are; 0, 0.1, 1.0, and 5.0 ppb with the control at 2.0 +/- 0.4 ppb. The concentrations for the 2,4-D standards are; 0, 1, 10, and 50 ppb with the control at 35 +/- 7 ppb. The estimated minimum detection limit for Carbofuran is 56 ppt, and for 2,4-D it is 0.70 ppb.

The equation of the best fit line is calculated by the instrument using the absorbances of the standards. The slope, intercept and the correlation coefficient are then reported. "Conc" is the concentration of the standards, control and samples. The "Abs Diff" column gives the observed concentration followed by the difference between observed and known concentrations for each replicate. "%CV" is the coefficient of variance calculated using the absorbances. The "Abs" column for the Samples Data section lists the absorbance of each sample replicate and their mean. A concentration with the letters "nd" beside them means that the analyte was not detected or that the absorbance measured was lower than that of the zero ppb standard.

******** [illegible] ********

Please Wait 30 Minutes
06-19-00 14:33:58

******** OHMICRON ********

Please Wait 30 Minutes
06-19-00 15:11:16

06-19-00 15:11:31

******** OHMICRON ********

PROTOCOL : CARBOFUR

TECH ID : CCarpenter
LOT # : 91102
EXP DATE: 9/00

Data Reduct: Lin.Regression
Xformation: Ln/LgtB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.845
Intercept = 0.317
Corr (r) = 0.9990

Transformed Data :

Conc	Abs
-2.30	2.299
0.00	0.230
1.61	-0.993

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.739		
	1.795		
Mean	1.767	2.3	
0.10	1.585		0.11
	0.013		11.1
	1.627		0.08
	-0.020		-24.9
Mean	1.606	1.8	0.10
	-0.004		-4.3
1.00	0.997		1.07
	0.071		6.6
	0.973		1.15
	0.145		12.7
Mean	0.985	1.8	1.11
	0.107		9.7
5.00	0.496		4.43
	-0.573		-12.9
	0.459		5.02
	0.016		0.3
Mean	0.478	5.4	4.71
	-0.292		[illegible]

Control Data :

Ctrl#	Abs	Conc
1	0.738	2.15

ID: 2.0 ± 0.4 ppb

Samples Data :

Spl#	Abs	Conc	%CV
1	1.748	0.01nd	
	1.705	0.03nd	
Mean	1.727	0.02nd	87.6*

ID: DK 14040

2	1.755	0.00nd	
	1.725	0.02nd	
Mean	1.740	0.01nd	89.9*

ID: DK 14041

3	1.728	0.02nd	
	1.712	0.03nd	
Mean	1.720	0.02nd	29.3*

ID: DK 14042

4	1.813	nd	
	1.843	nd	

ID: DK 13778

5	1.778	nd	
	1.794	nd	

ID: DK 13779

6	1.801	nd	
	1.647	0.07	

ID: DK 13780

7	1.708	0.03nd	
	1.660	0.06nd	
Mean	1.684	0.04nd	49.8*

ID: DK 13781

8	1.727	0.02nd	
	1.663	0.06nd	
Mean	1.695	0.04nd	74.6*

ID: DK 13782

9	[illegible]	[illegible]	
	1.710	0.03nd	
Mean	1.712	0.03nd	6.7

ID: DK 13785

10	1.689	0.04nd	
	1.651	0.06	
Mean	1.670	0.05nd	33.9*

ID: DK 13786

11	1.618	0.09	
	1.690	0.04nd	
Mean	1.654	0.06	56.1*

ID: DK 13787

12	1.602	0.10	
	1.702	0.03nd	
Mean	1.652	0.06	74.6*

ID: DK 13788

13	1.635	0.07	
	1.639	0.07	
Mean	1.637	0.07	3.0

ID: DK 13790

14	1.589	0.11	
	1.618	0.09	
Mean	1.604	0.10	16.4*

ID: DK 13791

15	1.571	0.12	
	1.698	0.03nd	
Mean	1.635	0.08	81.8*

ID: DK 13792

END OF RUN
06-19-00 15:19:19

SAMPLE PREPARATION INFORMATION

Extraction Data Sheet for Groundwater Samples

Batch Number: 93
Extraction Date: 6-20-00
Extraction Time: 9:00AM

Performed By:
[ ] Jeff Hardy
[X] Todd Roach
[X] Charity Carpenter
[ ] Other: _____

Extraction Procedure:

[ ] General Pesticide Method: 525.2 M: AutoTrace SPE, Analysis by GC/MS
[ ] Phenoxy Acid Method: 515.1 M: Liquid/Liquid, Analysis by HPLC/DAD
[X] Carbamate Method: 531.1: Filtration, Derivitization, Analysis by HPLC/FLD

IDEM Sample Number	Lab Number	Desc.	Sample Mass Calculations			pH
			Initial Mass (g)	Final Mass (g)	Sample Mass (g)	
DK 14040	1636	Sample			25	
DK 13780	1644	Sample			25	
DK 13786	1649	Sample			25	
DK 13787	1648	Sample			25	
DK 13788	1650	Sample			25	
DK 13790	1652	Sample			25	
DK 13791	1653	Sample			25	
DK 13792	1654	Sample			25	
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
		Sample				
NA	1639	LRB			25	
NA	1640	LFB			25	
DK 14040 MS	1641	LFM 1			25	
DK 14040 MSD	1642	LFM 2			25	

Final volume = 25 mL in 3% Chlorac

Spike Information: 308 25 uL

Surrogate Information: 157 25 uL

Internal Standard Info: _____ ___ uL

Comments: blanks are not 3% ChlorAc could be either sample or Nanopure water

Signature

6-22-00
Date

Working Mix Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: M-308 Carbamates

Date Prepared: 02-28-00 Date Destroyed: Could not find 8/31/00

Physical Data

Parent Solutions	Concentration (ng/µl)	Aliquot (mL)	Parent Solvent	Final Concentration (ng/µl)
1. Aldicarb S-150	270	2	MeOH	11
2. Carbofuran S-151	260	2		10
3. Methiocarb S-152	230	6		28
4. Methomyl S-153	240	3		14
5. Oxamyl S-154	220	2.5		11
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Final Dilution Solvent: MeOH Final Dilution Volume: 50 mL

Notes:

Prepared by: Jeff Hardy

Lab Notebook:

Intermediate Standards Sheet
Pesticide Residue Section of the Indiana State Chemist

Standard # and Name: S-157 BDMC

Parent Solution: See Notes

Parent Solution Concentration: 100 (ng/µL)

Date Prepared: 4-11-00

Date to be Destroyed: 8-21-00 **Date Destroyed:** 8-21-00

Physical Data

Aliquot Used: 10 (mL)

Dilution Solvent: MeOH **Dilution Volume:** 50 (mL)

Final Concentration: 20 (µg/mL) = (ng/µL)

Notes:

ULTRA SCIENTIFIC 250 Smith St., North Kingstown, RI 02852 401-294-9400

Internal Standard Solution (BDMC)

100 µg/mL in Methanol

PPS-190 1 mL

Lot No. R-3000 Exp. Date 04-2001

LAB USE ONLY

Prepared by: Jeff Hardy

Lab Notebook:

SAMPLE

CHROMATOGRAPHY

INFORMATION

	Analyte	Result Detected In Sample (ng/uL)	Sample Volume (ml)	Final Volume (ml)	Sample Conc (ug/L)	Spike Level (ug/L)	% Recovery	
1636 DK14040	BDMC (Surrogate)	0.0161127	25	25	16	20	80	
1644 DK13780	BDMC (Surrogate)	0.0179751	25	25	16	20	90	
1649 DK13786	BDMC (Surrogate)	0.0154552	25	25	15	20	75	
1648 DK13787	BDMC (Surrogate)	0.0178034	25	25	18	20	90	
1650 DK13788	BDMC (Surrogate)	0.0161551	25	25	16	20	80	
1652 DK13790	BDMC (Surrogate)	0.0168886	25	25	17	20	85	
1653 DK13791	BDMC (Surrogate)	0.0175429	25	25	16	20	90	
1654 DK13792	BDMC (Surrogate)	0.0149717	25	25	15	20	75	
1628 LRB	BDMC (Surrogate)	0.0162727	25	25	16	20	80	
								Spike Mix Concentration (ng/uL)
1620	Oxamyl	0.00898633	25	25	9.0	11	82	11
LFM1	Methomyl	0.0117322	25	25	12	14	86	14
(Laboratory	Aldicarb	0.0141246	25	25	14	11	127	11
Fortified Matrix)	Carbofuran	0.00844865	25	25	8.4	10	84	10
DK14040	Methiocarb	0.0226817	25	25	23	28	82	28
	BDMC (Surrogate)	0.0165989	25	25	17	20	85	20
								% Relative Difference
1621	Oxamyl	0.00959634	25	25	9.6	11	87	5.9
LFM2	Methomyl	0.0125248	25	25	13	14	93	7.8
(Laboratory	Aldicarb	0.0153470	25	25	15	11	136	6.8
Fortified Matrix	Carbofuran	0.00904568	25	25	9.0	10	90	6.9
Duplicate)	Methiocarb	0.0236786	25	25	24	28	86	4.8
DK14040	BDMC (Surrogate)	0.0153224	25	25	15	20	75	13
1619	Oxamyl	0.0101613	25	25	10	11	91	
LFB	Methomyl	0.0130819	25	25	13	14	93	
(Laboratory	Aldicarb	0.0158251	25	25	16	11	145	
Fortified Blank)	Carbofuran	0.00926208	25	25	9.3	10	93	
	Methiocarb	0.0256351	25	25	26	28	93	
	BDMC (Surrogate)	0.0152816	25	25	15	20	75	

Notes:
(1) % Relative Difference = (LFM1-LFM2)/[(LFM1+LFM2)/2] x 100
(2) Spike Level = (Spike Mix Conc.) x (Spike Volume) / (Sample Volume)

CCVS Report

ANALYTE	Ref.CCV (ng/uL) Detected	CCVS-1 (ng/uL) Detected	%	CCVS-2 (ng/uL) Detected	%
Oxamyl	0.0150722	0.0150280	100	0.0151508	101
Methomyl	0.0201482	0.0200512	100	0.020073	100
Aldicarb	0.0159561	0.0149479	94	0.0147999	93
Carbofuran	0.0143553	0.0141802	99	0.0139646	97
Methiocarb	0.0388073	0.0376761	97	0.0391164	101
BDMC	0.0138170	0.0131445	95	0.0164833	119

Notes:

% = (CCVS/Ref CCV)X100

```
 HPHPHP      HP      HPHPHP       HPHPHP
HP    HP    HP     HP           HP
HP    HP    HP      HP          HP
HP    HP    HP       HPHP       HP
HP    HP    HP        PHPH      HP
HP    HP    HP           HP     HP
HP    HP    HP          HP      HP
 HPHPHP      HP      HPHPHP       HPHPHP
```

S E Q U E N C E

S U M M A R Y

R E P O R T

Case Number: Batch 93 ..... Matrix: Groundwater .....

Screen or Quantitation or Both Run Date: 6/26/00 .....

Analyte(s): Carbamates .....

Instrument: ..... Detector: .....

Column: ..... Guard Column..... yes or n

Signature/Date. Jeffrey S. Hardy 6/26/00

Notebook No.....

S e q u e n c e

Sequence Parameters:

Operator:	Jeff Hardy
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	C062100J
Part of Methods to run:	According to Runtime Checklist
Wait Time after loading Method:	0 min
Barcode Reader:	not used
Sequence Timeout:	0 min
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table:

Vial Information Part:

Line	Vial	Vial Information
1	1	
2	1	
3	2	
4	3	
5	4	
6	5	
7	10	
8	3	
9	11	
10	12	
11	13	
12	14	
13	15	
14	16	

15	17
16	18
17	19
18	3
19	20
20	21
21	22
22	10
23	91
24	31
25	32
26	33
27	34
28	35
29	91
30	none

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	m-331 low	CARBAMAT	2	Sample		
2	1	m-331 low	CARBAMAT	1	Sample		
3	2	m-332	CARBAMAT	1	Sample		
4	3	m-333	C062100Q	1	Sample		
5	4	m-334	CARBAMAT	1	Sample		
6	5	m-335 high	CARBAMAT	1	Sample		
7	10	Rinse	CARBAMAT	1	Sample		
8	3	CCV	C062100Q	1	Sample		
9	11	LRB 93	C062100Q	1	Sample		
10	12	DK13780	C062100Q	1	Sample		
11	13	DK13786	C062100Q	1	Sample		
12	14	DK13787	C062100Q	1	Sample		
13	15	DK13788	C062100Q	1	Sample		
14	16	DK13790	C062100Q	1	Sample		
15	17	DK13791	C062100Q	1	Sample		
16	18	DK13792	C062100Q	1	Sample		
17	19	DK14040	C062100Q	1	Sample		
18	3	CCV	C062100Q	1	Sample		
19	20	LFM1 93	C062100Q	1	Sample		
20	21	LFM2 93	C062100Q	1	Sample		
21	22	LFB 93	C062100Q	1	Sample		
22	10	RINSE	CARBAMAT	1	Sample		

Sequence File C:\HPCHEM\1\SEQUENCE\C062100J.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	91	CCV	C062100Q	1	Sample		
24	31	LRB 94	C062100Q	1	Sample		
25	32	DK13841	C062100Q	1	Sample		
26	33	LFM1 94	C062100Q	1	Sample		
27	34	LFM2 94	C062100Q	1	Sample		
28	35	LFB 94	C062100Q	1	Sample		
29	91	CCV	C062100Q	1	Sample		
30	none		SLOWCARB	1	Sample		

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval

Quantification Part:

Line	Vial	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	1	m-331 low				
2	1	m-331 low				
3	2	m-332				
4	3	m-333				
5	4	m-334				
6	5	m-335 high				
7	10	Rinse				
8	3	CCV				
9	11	LRB 93				
10	12	DK13780				
11	13	DK13786				
12	14	DK13787				
13	15	DK13788				
14	16	DK13790				
15	17	DK13791				
16	18	DK13792				
17	19	DK14040				
18	3	CCV				
19	20	LFM1 93				
20	21	LFM2 93				
21	22	LFB 93				
22	10	RINSE				
23	91	CCV				
24	31	LRB 94				
25	32	DK13841				
26	33	LFM1 94				
27	34	LFM2 94				
28	35	LFB 94				
29	91	CCV				
30	none					

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	Yes
SSR to Printer:	Yes
SSR to File:	No
SSR to HTML:	No
Print individual reports for each run:	No

Sequence Summary Parameters:

One page header:	Yes
Print Configuration:	No
Print Sequence:	Yes
Print Logbook:	No
Print Method(s):	Yes
Print Analysis reports:	Yes
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

Method Listing

Method Information

HPLC post-column method for carbamates, 400uL water injection on 25cm column.

Method Change History

Operator	Date	Change Information
Jeff Hardy	6/26/00 8:47:03 AM	
Jeff Hardy	6/26/00 8:58:05 AM	

Run Time Checklist

Pre-Run Cmd/Macro:	off
Data Acquisition:	on
Standard Data Analysis:	on
Customized Data Analysis:	off
Save GLP Data:	on
Post-Run Cmd/Macro:	off
Save Method with Data:	skipped - no ACQ running

Injection Source and Location

Injection Source:

Injection Location: Front

FLUORESCENCE DETECTOR

Settings:

Stop Time	as Pump: 38.00 min
Excitation	330 nm

Emission	465 nm
Pmtgain	11
Lamp	Always On (Frequency 55 Hz)
Delay	Off
Gate	Off
Responsetime	2.0 sec

Time Table is empty.

==========
HP 1100 Quaternary Pump 1
==========

Control

Flow	:	1.000 ml/min
Stoptime	:	38.00 min
Posttime	:	5.00 min

Solvents

Solvent A	:	0.0 % (H3PO4 in H20 (1:1000))
Solvent B	:	Off
Solvent C	:	0.0 % (MeOH)
Solvent D	:	100.0 % (Water)

PressureLimits

Minimum Pressure	:	0 bar
Maximum Pressure	:	400 bar

Auxiliary

Maximal Flow Ramp	:	100.00 ml/min^2
Primary Channel	:	Auto
Compressibility	:	100*10^-6/bar
Minimal Stroke	:	Auto

Store Parameters

Store Ratio A	:	Yes
Store Ratio B	:	Yes
Store Ratio C	:	Yes
Store Ratio D	:	Yes
Store Flow	:	Yes
Store Pressure	:	Yes

HP 1100 Contacts Option
==========

Contact 1	:	Open
Contact 2	:	Open
Contact 3	:	Open
Contact 4	:	Open

Timetable

Time	Solv.B	Solv.C	Solv.D	Flow	Pressure
0.00	0.0	0.0	100.0	1.000	400
1.00	0.0	0.0	100.0		

1.01	0.0	18.0	82.0
36.00	0.0	70.0	30.0
36.01	0.0	100.0	0.0
38.00	0.0	100.0	0.0
38.01	0.0	0.0	100.0

HP 1100 Contacts Option Timetable
==========

Timetable is empty

==========
HP 1100 Diode Array Detector 1
==========

Signals

Signal	Store	Signal,Bw		Reference,Bw	[nm]
A:	No	330	10	Off	
B:	No	335	16	Off	
C:	No	340	8	Off	
D:	No	345	16	Off	
E:	No	350	16	Off	

Spectrum
Store Spectra : None

Time
Stoptime : As pump
Posttime : Off

Required Lamps
UV lamp required : No
Vis lamp required : No

Autobalance
Prerun balancing : Yes
Postrun balancing : No
Margin for negative Absorbance: 100 mAU

Peakwidth : > 0.1 min
Slit : 4 nm

Analog Outputs
Zero offset ana. out. 1: 5 %
Zero offset ana. out. 2: 5 %
Attenuation ana. out. 1: 1000 mAU
Attenuation ana. out. 2: 1000 mAU

HP 1100 Contacts Option
==========

Contact 1 : Open
Contact 2 : Open
Contact 3 : Open
Contact 4 : Open

Timetable is empty

HP 1100 Contacts Option Timetable
==========

Timetable is empty

==========
HP 1100 Autosampler 1
==========

Injection
Injection Mode : Standard
Injector volume : 400.0 µl

Auxiliary
Drawspeed : 200 µl/min
Ejectspeed : 200 µl/min
Draw position : 2.0 mm

Time
Stoptime : As Pump
Posttime : Off

==========
HP 1100 Column Thermostat 1
==========

Temperature settings
Left temperature : Not controlled
Right temperature : Same as left
Enable analysis : When Temp. is within setpoint +/- 0.8°C
Store left temperature : Yes
Store right temperature: No

Time
Stoptime : As pump
Posttime : Off

Column Switching Valve : Column 2

Timetable is empty

==========
Integration Events
==========

Results will be produced with the enhanced integrator.

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_DAD"

Event	Value	Time
Initial Slope Sensitivity	5.000	Initial
Initial Peak Width	0.050	Initial
Initial Area Reject	5.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FLD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_VWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_MWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Signal Specific Integration Event Table "Event_FLD1A"

Event	Value	Time
Initial Slope Sensitivity	0.100	Initial
Initial Peak Width	0.154	Initial
Initial Area Reject	0.000	Initial
Initial Height Reject	0.005	Initial
Initial Shoulders	OFF	Initial
Integration OFF		0.000
Integration ON		4.000
Slope Sensitivity	0.045	30.000

Apply Manual Integration Events: No

Specify Report

Destination: Printer
Quantitative Results sorted by: Retention Time
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 20 % of Page

Signal Options

Include: Axes, Compound Names, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Autoscale | Min Value | Max Value |

```
                                        ---------+-----------+-----------+
                                        Time     |     7.000 |           |
```

Multi Chromatograms: Overlaid, All the same Scale

==========

Calibration Table

==========

```
Calib. Data Modified  :      Monday, June 26, 2000 8:53:31 AM

Calculate             :      External Standard
Based on              :      Peak Area

Rel. Reference Window :      1.000 %
Abs. Reference Window :      0.000 min
Rel. Non-ref. Window  :      2.200 %
Abs. Non-ref. Window  :      0.000 min
Uncalibrated Peaks    :      not reported
Partial Calibration   :      Yes, identified peaks are recalibrated
Correct All Ret. Times:      No, only for identified peaks

Curve Type            :      Linear
Origin                :      Ignored
Weight                :      Equal

Recalibration Settings:
Average Response      :      Average all calibrations
Average Retention Time:      Floating Average New 75%

Calibration Report Options :
    Printout of recalibrations within a sequence:
        Calibration Table after Recalibration
        Normal Report after Recalibration
    If the sequence is done with bracketing:
        Results of first cycle (ending previous bracket)
```

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
8.169	1	1	5.50000e-3	3.82299e-1	1.43866e-2			Oxamyl
		2	1.10000e-2	7.27927e-1	1.51114e-2			
		3	1.70000e-2	1.17018	1.45277e-2			
		4	2.20000e-2	1.67361	1.31453e-2			
		5	3.30000e-2	2.75103	1.19955e-2			
8.933	1	1	7.00000e-3	8.18052e-1	8.55692e-3			Methomyl
		2	1.40000e-2	1.90065	7.36591e-3			
		3	2.10000e-2	3.17172	6.62101e-3			
		4	2.80000e-2	4.37557	6.39916e-3			
		5	4.20000e-2	6.96152	6.03316e-3			
17.357	1	1	5.50000e-3	2.06166e-1	2.66775e-2			Aldicarb
		2	1.10000e-2	4.97703e-1	2.21015e-2			
		3	1.70000e-2	7.77668e-1	2.18602e-2			
		4	2.20000e-2	1.08774	2.02254e-2			
		5	3.30000e-2	1.78085	1.85305e-2			

22.208	1	1	5.00000e-3	2.58980e-1	1.93065e-2	Carbofuran
		2	1.00000e-2	5.81613e-1	1.71936e-2	
		3	1.50000e-2	9.46249e-1	1.58521e-2	
		4	2.00000e-2	1.16997	1.70944e-2	
		5	3.00000e-2	1.92472	1.55867e-2	
32.166	1	1	1.40000e-2	5.28308e-1	2.64997e-2	Methiocarb
		2	2.80000e-2	1.13082	2.47609e-2	
		3	4.20000e-2	1.93493	2.17063e-2	
		4	5.60000e-2	2.70670	2.06894e-2	
		5	8.40000e-2	4.27858	1.96327e-2	
33.234	1	1	5.00000e-3	1.54565e-1	3.23488e-2	BDMC
		2	1.00000e-2	2.93569e-1	3.40636e-2	
		3	1.50000e-2	5.56167e-1	2.69703e-2	
		4	2.00000e-2	7.19952e-1	2.77796e-2	
		5	3.00000e-2	1.06378	2.82013e-2	

==========

Peak Sum Table

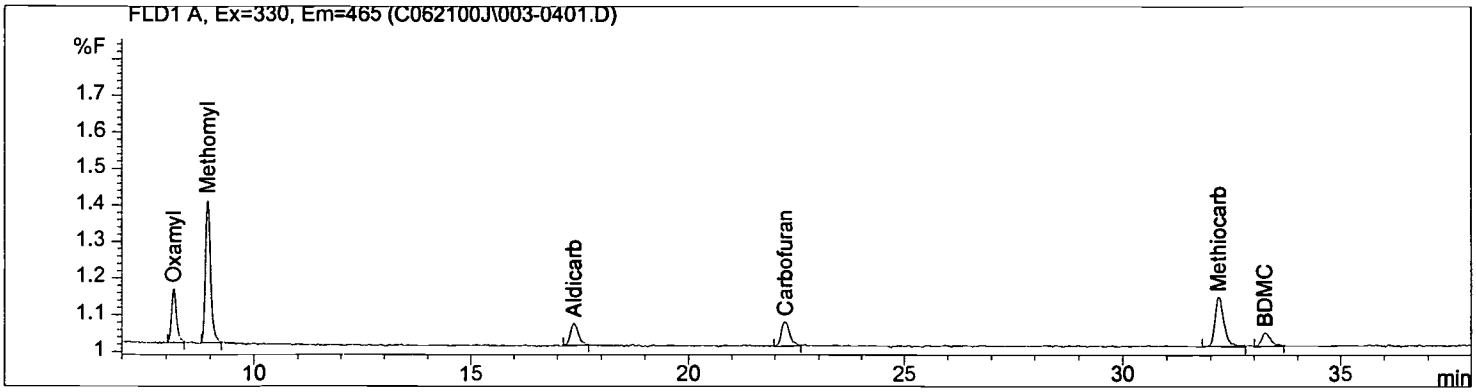
==========

No Entries in table

==========

==========

Injection Date : 6/21/00 8:29:04 PM Seq. Line : 4
Sample Name : m-333 Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



==========

External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.171	1	BB	1.17018	1.34503e-2	1.57392e-2		Oxamyl
8.940	1	BB	3.17172	6.57315e-3	2.08482e-2		Methomyl
17.372	1	BB	7.77668e-1	2.06819e-2	1.60837e-2		Aldicarb
22.232	1	PB	9.46249e-1	1.64260e-2	1.55431e-2		Carbofuran
32.182	1	PB	1.93493	2.14294e-2	4.14643e-2		Methiocarb
33.243	1	PB	5.56167e-1	2.86987e-2	1.59613e-2		BDMC

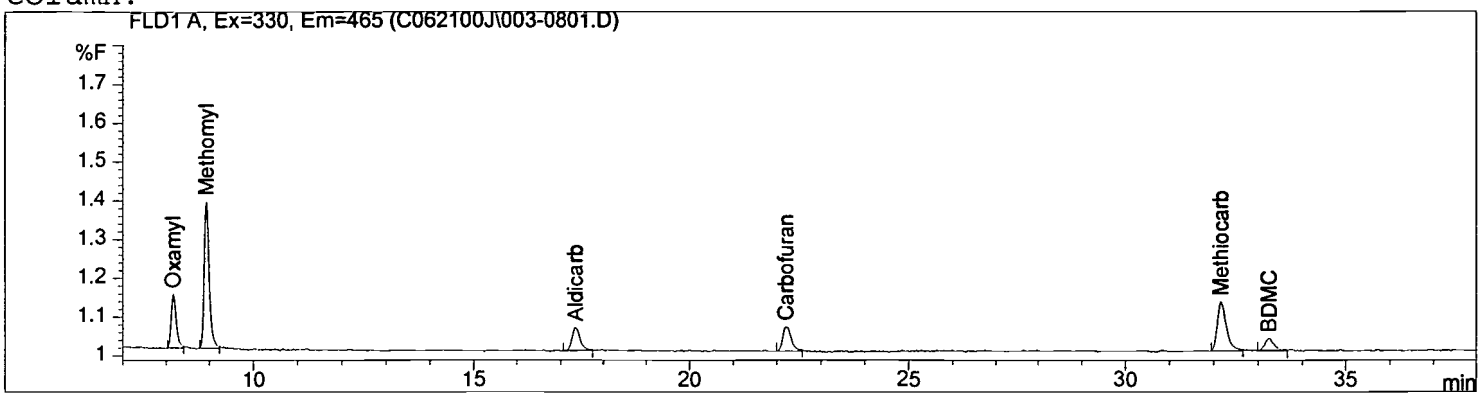
Totals : 1.25640e-1

Results obtained with enhanced integrator!

==========

*** End of Report ***

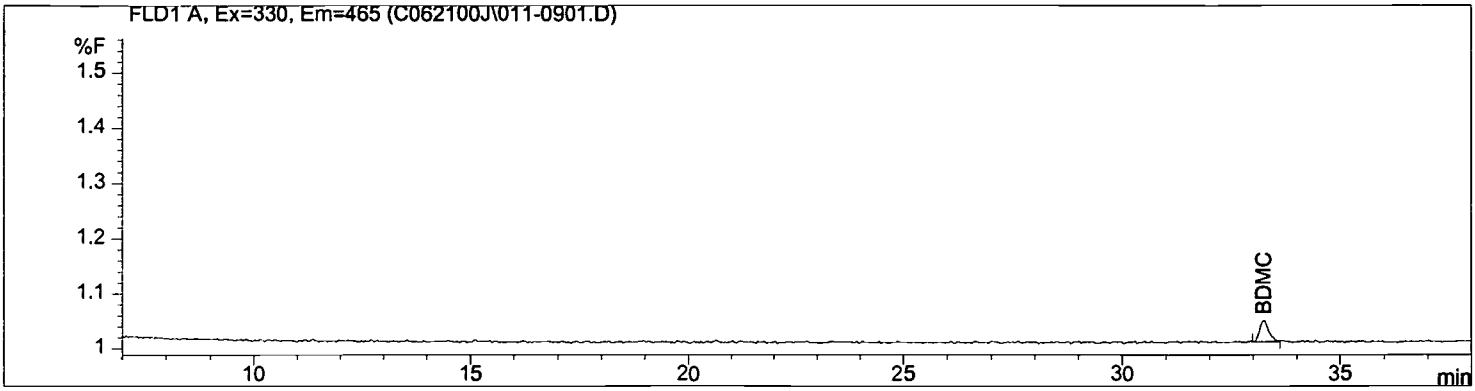
```
==========================================================================
Injection Date  : 6/21/00 11:44:46 PM          Seq. Line :   8
Sample Name     : CCV                               Vial :   3
Acq. Operator   : Jeff Hardy                        Inj :   1
                                               Inj Volume : 400 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method     : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed    : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed    : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime Sig Type      Area      Amt/Area    Amount    Grp   Name
 [min]              [%F*s]                [ng/ul]
-------|--|------|----------|----------|----------|--|---------------
  8.163  1 BB        1.11207 1.35534e-2 1.50722e-2    Oxamyl
  8.931  1 BB        3.04823 6.60981e-3 2.01482e-2    Methomyl
 17.346  1 PB     7.70376e-1 2.07120e-2 1.59561e-2    Aldicarb
 22.196  1 BB     8.68104e-1 1.65363e-2 1.43553e-2    Carbofuran
 32.159  1 BB        1.79080 2.16703e-2 3.88073e-2    Methiocarb
 33.246  1 BV     4.76451e-1 2.89998e-2 1.38170e-2    BDMC

Totals :                                1.18156e-1

 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

==========

Injection Date : 6/22/00 12:33:38 AM Seq. Line : 9
Sample Name : LRB 93 Vial : 11
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.240	1	BB	5.67746e-1	2.86620e-2	1.62727e-2		BDMC

Totals : 1.62727e-2

Results obtained with enhanced integrator!
1 Warnings or Errors :

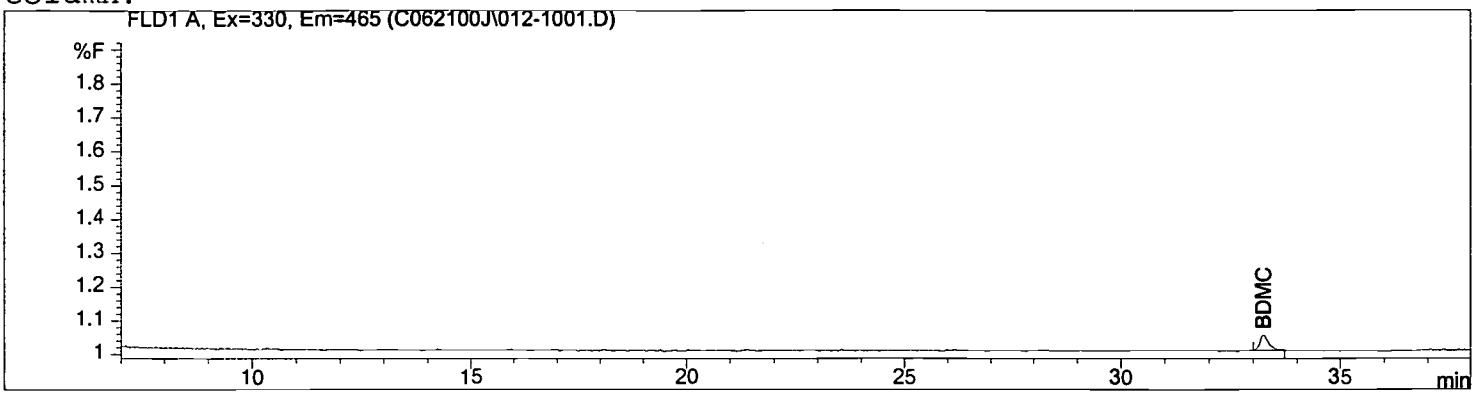
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

==========

Injection Date : 6/22/00 1:22:32 AM Seq. Line : 10
Sample Name : DK13780 Vial : 12
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.230	1	BB	6.31031e-1	2.84853e-2	1.79751e-2		BDMC

Totals : 1.79751e-2

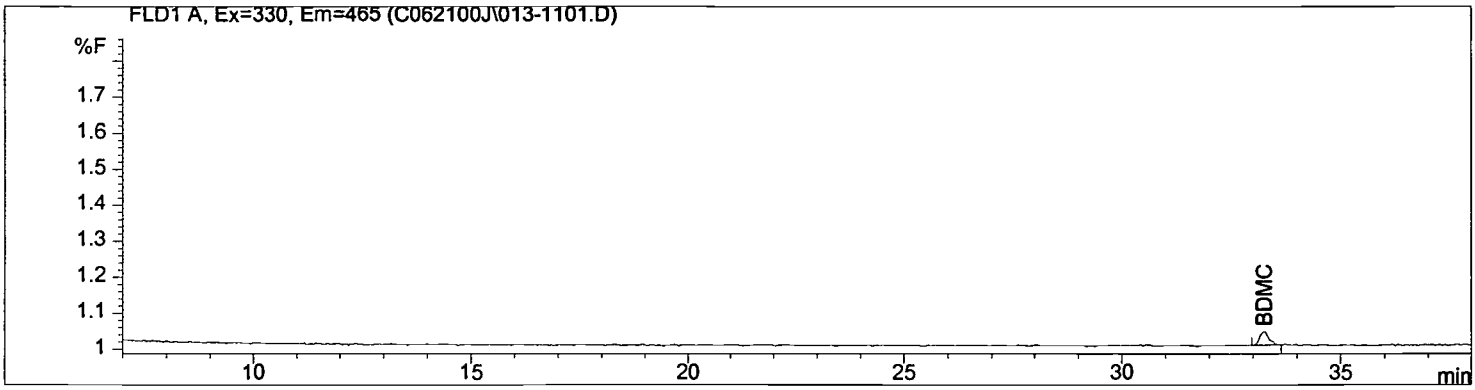
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
==================================================================
Injection Date  : 6/22/00 2:11:24 AM            Seq. Line :  11
Sample Name     : DK13786                            Vial :  13
Acq. Operator   : Jeff Hardy                          Inj :   1
                                               Inj Volume : 400 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method     : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed    : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed    : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```



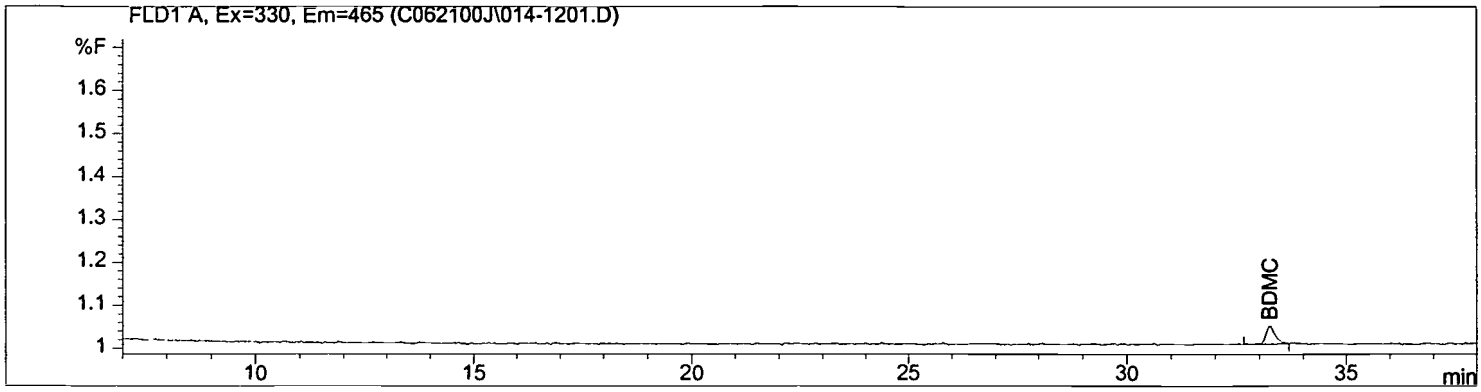

```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465
```

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.255	1	PB	5.37354e-1	2.87617e-2	1.54552e-2		BDMC

```
Totals :                                   1.54552e-2

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==================================================================
                        *** End of Report ***
```

==========

Injection Date : 6/22/00 3:00:19 AM Seq. Line : 12
Sample Name : DK13787 Vial : 14
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.238	1	PB	6.24649e-1	2.85015e-2	1.78034e-2		BDMC

Totals : 1.78034e-2

Results obtained with enhanced integrator!
1 Warnings or Errors :

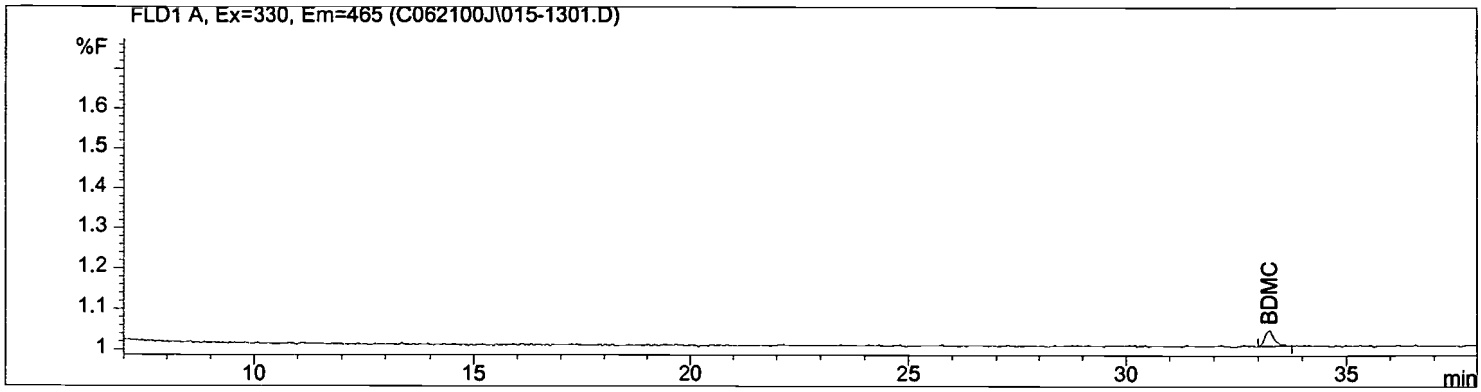
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

==========

Injection Date : 6/22/00 3:49:13 AM Seq. Line : 13
Sample Name : DK13788 Vial : 15
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.251	1	PB	5.63373e-1	2.86757e-2	1.61551e-2		BDMC

Totals : 1.61551e-2

Results obtained with enhanced integrator!
1 Warnings or Errors :

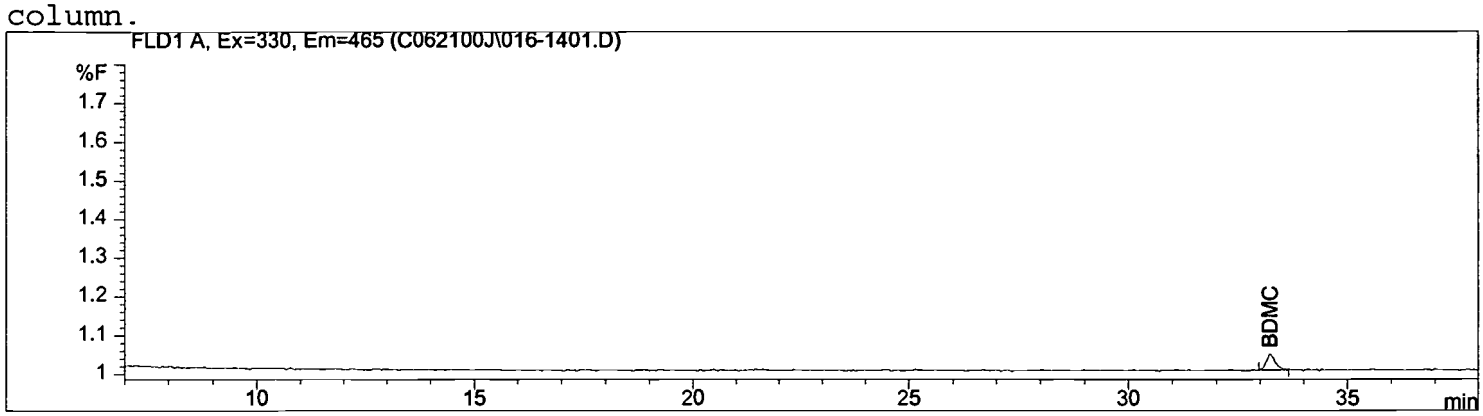
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

==========

Injection Date : 6/22/00 4:38:07 AM Seq. Line : 14
Sample Name : DK13790 Vial : 16
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.223	1	BB	5.90641e-1	2.85937e-2	1.68886e-2		BDMC

Totals : 1.68886e-2

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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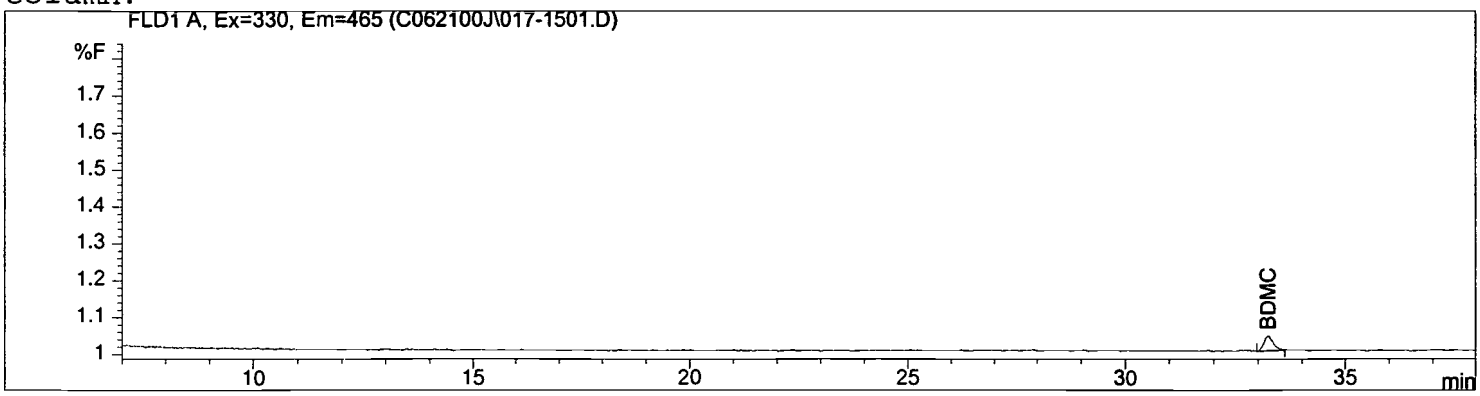
*** End of Report ***

```
==================================================================
Injection Date   : 6/22/00 5:27:12 AM            Seq. Line :  15
Sample Name      : DK13791                            Vial :  17
Acq. Operator    : Jeff Hardy                          Inj :   1
                                                 Inj Volume : 400 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method      : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed     : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method  : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed     : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```

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==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465
```

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.169	1		-	-	-		Oxamyl
8.933	1		-	-	-		Methomyl
17.357	1		-	-	-		Aldicarb
22.208	1		-	-	-		Carbofuran
32.166	1		-	-	-		Methiocarb
33.232	1	PB	6.14964e-1	2.85267e-2	1.75429e-2		BDMC

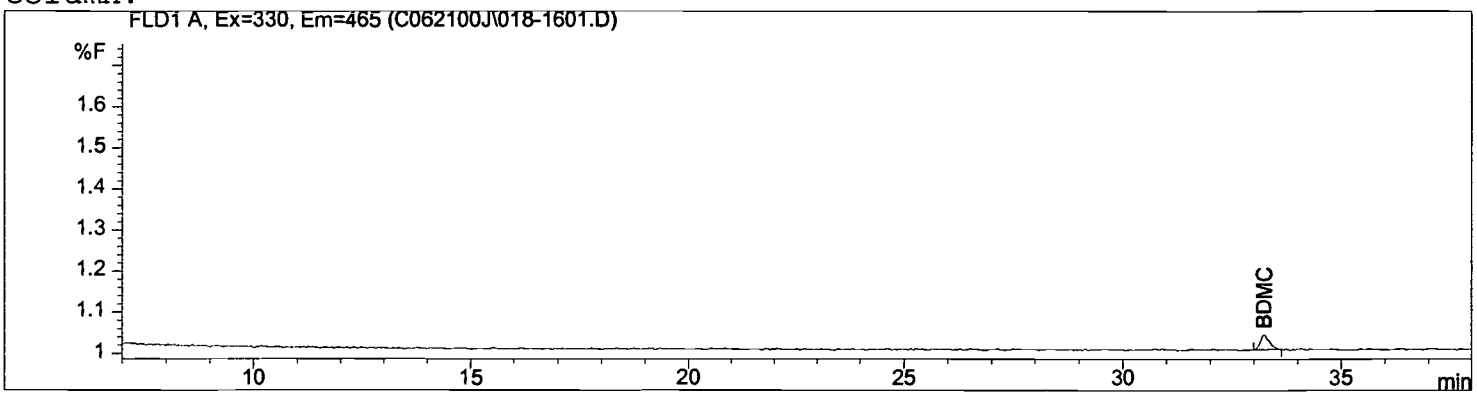
```
Totals :                                      1.75429e-2

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==================================================================
                        *** End of Report ***
```

```
==========================================================================
Injection Date  : 6/22/00 6:16:03 AM            Seq. Line :  16
Sample Name     : DK13792                            Vial :  18
Acq. Operator   : Jeff Hardy                          Inj :   1
                                               Inj Volume : 400 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method     : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed    : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed    : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime Sig Type     Area      Amt/Area    Amount    Grp   Name
 [min]              [%F*s]                [ng/ul]
-------|--|------|----------|----------|----------|--|---------------
  8.169  1            -          -          -          Oxamyl
  8.933  1            -          -          -          Methomyl
 17.357  1            -          -          -          Aldicarb
 22.208  1            -          -          -          Carbofuran
 32.166  1            -          -          -          Methiocarb
 33.236  1 PB     5.19378e-1 2.88262e-2 1.49717e-2     BDMC

Totals :                                 1.49717e-2

 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========================================================================
                          *** End of Report ***
```
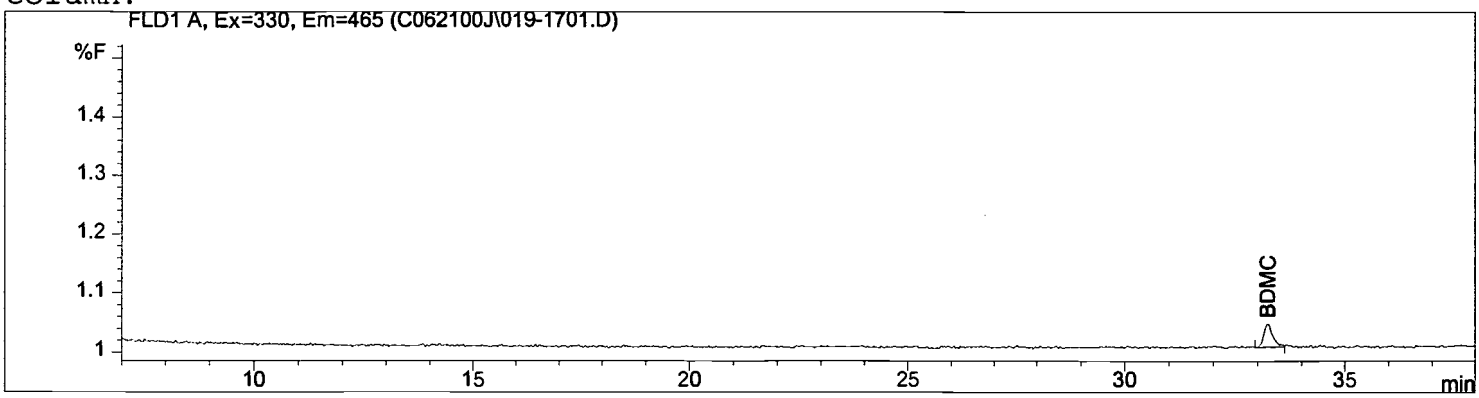

```
==========================================================================
Injection Date  : 6/22/00 7:05:02 AM            Seq. Line :  17
Sample Name     : DK14040                            Vial :  19
Acq. Operator   : Jeff Hardy                          Inj :   1
                                               Inj Volume : 400 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method     : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed    : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed    : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime Sig Type     Area      Amt/Area    Amount    Grp   Name
 [min]              [%F*s]                [ng/ul]
-------|--|------|----------|----------|----------|--|---------------
  8.169  1            -          -          -          Oxamyl
  8.933  1            -          -          -          Methomyl
 17.357  1            -          -          -          Aldicarb
 22.208  1            -          -          -          Carbofuran
 32.166  1            -          -          -          Methiocarb
 33.228  1 PB     5.61795e-1 2.86807e-2 1.61127e-2     BDMC

Totals :                                 1.61127e-2

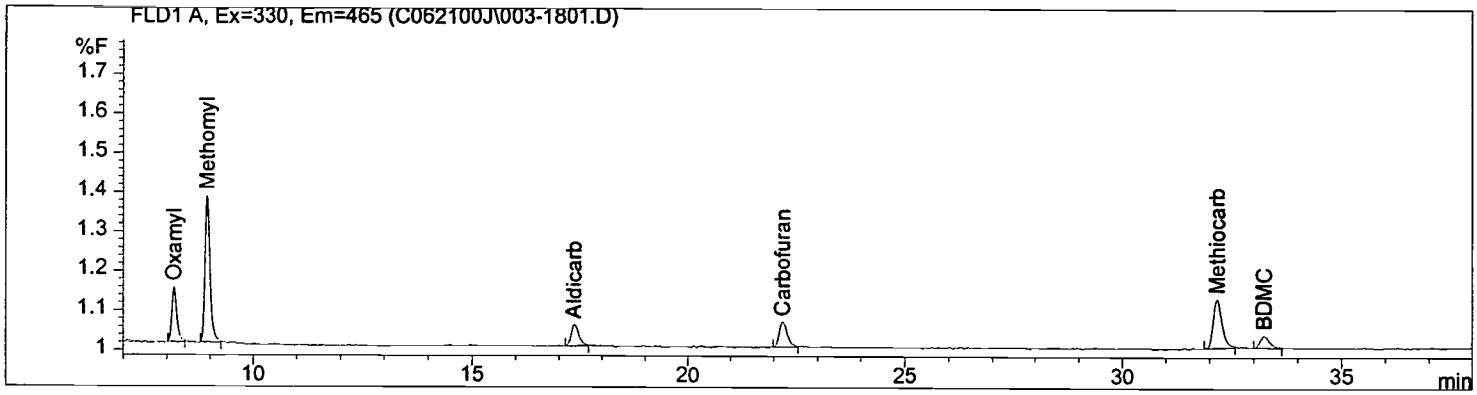
 Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========================================================================
                          *** End of Report ***
```

==========

Injection Date : 6/22/00 7:53:52 AM Seq. Line : 18
Sample Name : CCV Vial : 3
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.161	1	BB	1.10821	1.35606e-2	1.50280e-2		Oxamyl
8.925	1	BB	3.03112	6.61513e-3	2.00512e-2		Methomyl
17.338	1	BB	7.12770e-1	2.09715e-2	1.49479e-2		Aldicarb
22.204	1	BB	8.56589e-1	1.65543e-2	1.41802e-2		Carbofuran
32.171	1	BB	1.72944	2.17851e-2	3.76761e-2		Methiocarb
33.229	1	PB	4.51450e-1	2.91161e-2	1.31445e-2		BDMC

Totals : 1.15028e-1

Results obtained with enhanced integrator!

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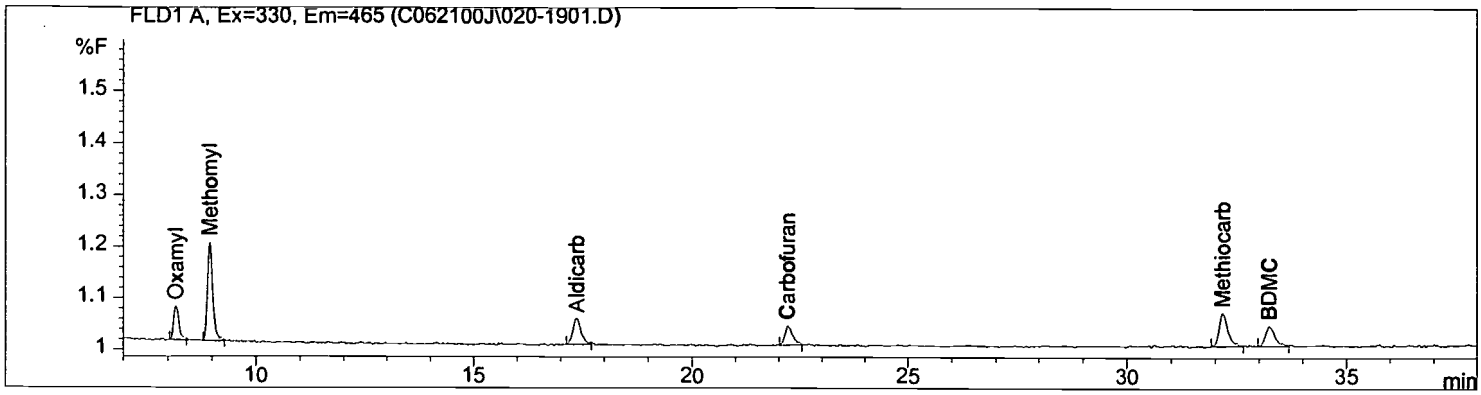
*** End of Report ***

==========

Injection Date : 6/22/00 8:42:50 AM
Sample Name : LFM1 93
Acq. Operator : Jeff Hardy

Seq. Line : 19
Vial : 20
Inj : 1
Inj Volume : 400 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.177	1	BB	5.81838e-1	1.54447e-2	8.98633e-3		Oxamyl
8.946	1	BB	1.56340	7.50424e-3	1.17322e-2		Methomyl
17.353	1	BB	6.65729e-1	2.12168e-2	1.41246e-2		Aldicarb
22.200	1	BB	4.79525e-1	1.76188e-2	8.44865e-3		Carbofuran
32.163	1	BB	9.16106e-1	2.47589e-2	2.26817e-2		Methiocarb
33.231	1	BB	5.79869e-1	2.86252e-2	1.65989e-2		BDMC
Totals :					8.25724e-2		

Results obtained with enhanced integrator!

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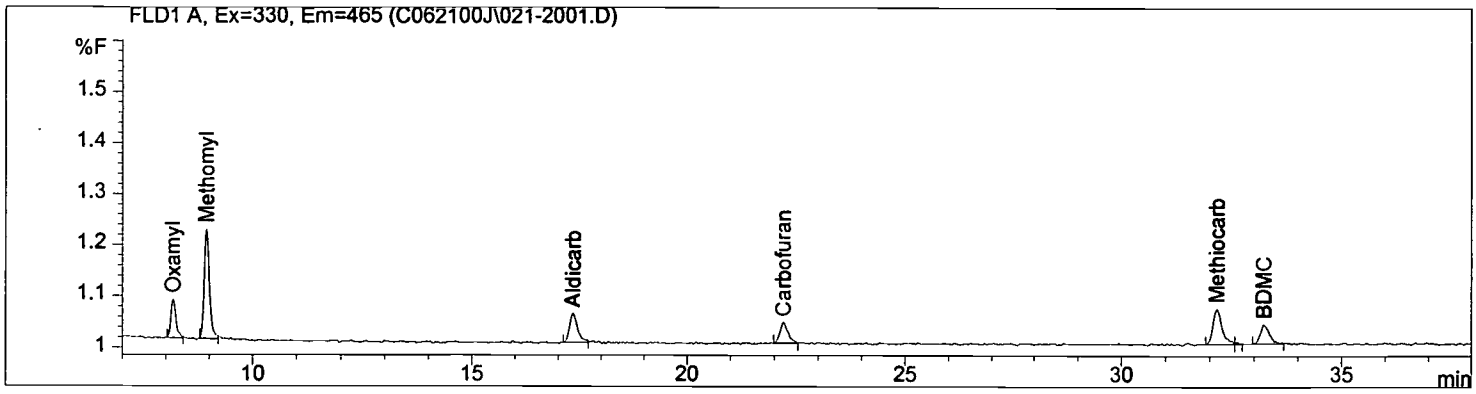
*** End of Report ***

==========

Injection Date : 6/22/00 9:31:46 AM Seq. Line : 20
Sample Name : LFM2 93 Vial : 21
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.165	1	BB	6.34984e-1	1.51127e-2	9.59634e-3		Oxamyl
8.930	1	BB	1.70324	7.35349e-3	1.25248e-2		Methomyl
17.339	1	BB	7.35574e-1	2.08640e-2	1.53470e-2		Aldicarb
22.198	1	BB	5.18802e-1	1.74357e-2	9.04568e-3		Carbofuran
32.162	1	PV	9.70181e-1	2.44064e-2	2.36786e-2		Methiocarb
33.225	1	BB	5.32418e-1	2.87790e-2	1.53224e-2		BDMC

Totals : 8.55149e-2

Results obtained with enhanced integrator!

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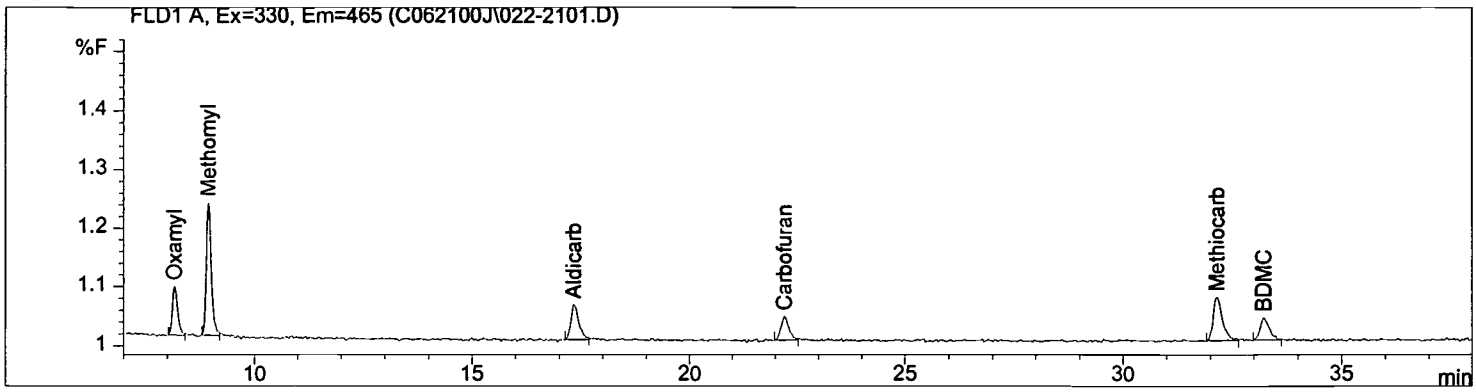
*** End of Report ***

```
==========================================================================
Injection Date   : 6/22/00 10:20:38 AM          Seq. Line :  21
Sample Name      : LFB 93                            Vial :  22
Acq. Operator    : Jeff Hardy                         Inj :   1
                                               Inj Volume : 400 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method      : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed     : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method  : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed     : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm
column.
```

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==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Retention Time
Calib. Data Modified   :      Monday, June 26, 2000 8:53:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: FLD1 A, Ex=330, Em=465
```

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.158	1	BB	6.84207e-1	1.48512e-2	1.01613e-2		Oxamyl
8.928	1	BB	1.80154	7.26152e-3	1.30819e-2		Methomyl
17.328	1	BB	7.62895e-1	2.07435e-2	1.58251e-2		Aldicarb
22.205	1	BB	5.33038e-1	1.73760e-2	9.26208e-3		Carbofuran
32.145	1	PB	1.07630	2.38177e-2	2.56351e-2		Methiocarb
33.219	1	BB	5.30906e-1	2.87843e-2	1.52818e-2		BDMC
Totals :					8.92473e-2		

```
 Results obtained with enhanced integrator!
==========================================================================
                          *** End of Report ***
```

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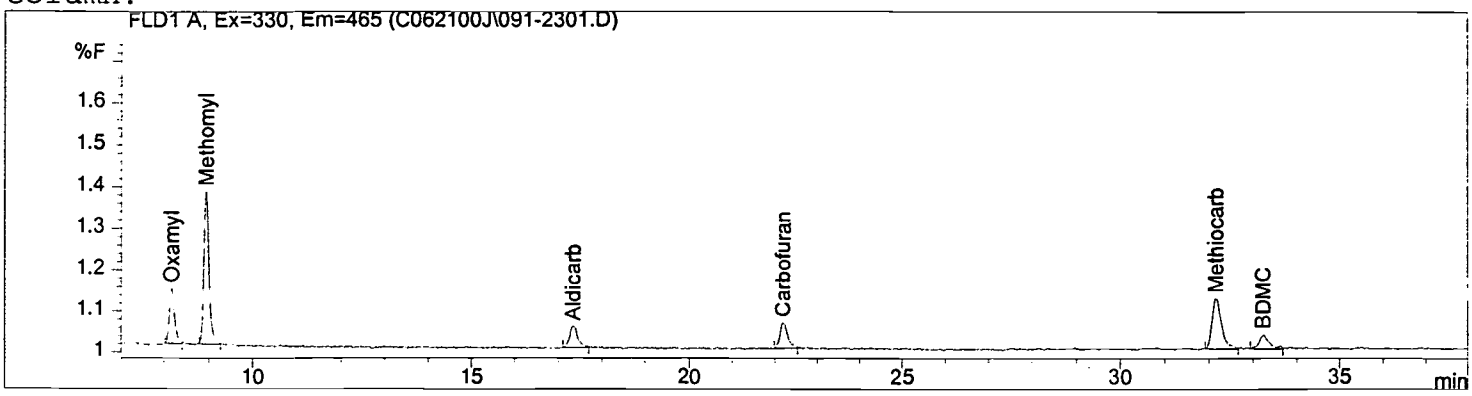
Injection Date : 6/22/00 11:58:34 AM Seq. Line : 23
Sample Name : CCV Vial : 91
Acq. Operator : Jeff Hardy Inj : 1
Inj Volume : 400 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\C062100J.S
Acq. Method : C:\HPCHEM\1\METHODS\CARBAMAT.M
Last changed : 4/3/00 3:33:22 PM by Jeff Hardy
Analysis Method : C:\HPCHEM\1\METHODS\C062100Q.M
Last changed : 6/26/00 8:58:05 AM by Jeff Hardy
HPLC post-column method for carbamates, 400uL water injection on 25cm column.



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Monday, June 26, 2000 8:53:31 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: FLD1 A, Ex=330, Em=465

RetTime [min]	Sig	Type	Area [%F*s]	Amt/Area	Amount [ng/ul]	Grp	Name
8.166	1	BB	1.11891	1.35407e-2	1.51508e-2		Oxamyl
8.931	1	BB	3.03496	6.61393e-3	2.00730e-2		Methomyl
17.336	1	BB	7.04311e-1	2.10132e-2	1.47999e-2		Aldicarb
22.190	1	PB	8.42400e-1	1.65771e-2	1.39646e-2		Carbofuran
32.152	1	PB	1.80757	2.16403e-2	3.91164e-2		Methiocarb
33.233	1	BB	5.75573e-1	2.86381e-2	1.64833e-2		BDMC

Totals : 1.19588e-1

Results obtained with enhanced integrator!

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*** End of Report ***

S a m p l e S u m m a r y

Sequence table: C:\HPCHEM\1\SEQUENCE\C062100J.S
Data directory path: C:\HPCHEM\1\DATA\C062100J
Logbook: C:\HPCHEM\1\DATA\C062100J\C062100J.LOG
Sequence start: 6/21/00 8:29:04 PM
Operator: Jeff Hardy

Method file name: C:\HPCHEM\1\METHODS\C062100Q.M 6

Run #	Vial #	Inj #	Sample Name	Sample Amt [ng/ul]	Multip.* Dilution	File name	Cal #	Page #
1	3	1	m-333	-	1.0000	003-0401.D	6	14
2	3	1	CCV	-	1.0000	003-0801.D	6	15
3	11	1	LRB 93	-	1.0000	011-0901.D	1	16
4	12	1	DK13780	-	1.0000	012-1001.D	1	17
5	13	1	DK13786	-	1.0000	013-1101.D	1	18
6	14	1	DK13787	-	1.0000	014-1201.D	1	19
7	15	1	DK13788	-	1.0000	015-1301.D	1	20
8	16	1	DK13790	-	1.0000	016-1401.D	1	21
9	17	1	DK13791	-	1.0000	017-1501.D	1	22
10	18	1	DK13792	-	1.0000	018-1601.D	1	23
11	19	1	DK14040	-	1.0000	019-1701.D	1	24
12	3	1	CCV	-	1.0000	003-1801.D	6	25
13	20	1	LFM1 93	-	1.0000	020-1901.D	6	26
14	21	1	LFM2 93	-	1.0000	021-2001.D	6	27
15	22	1	LFB 93	-	1.0000	022-2101.D	6	28