

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 01/30/2002 Time: 14:33:02

Sample: AD28105
 Analysis: \$LP525 Organic Extractables
 Units: ug
 Started: 1/29/02 09:36 Ended: 1/29/02 09:36 Analyst: MF
 Result source: manual entry
 Page: 1

	Component Name	Viol	Result
1	DFTPP		passes
2	ENDRIN		10.6
3	DDT		0.0

Comments for Sample AD28105 - Analysis \$LP525

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 01-30-2002 Time: 14:30:32

All QC runs and samples associated with batches 11/21/01, and 12/19/01 gave typical results similar to all the previous batches analyzed on the new Agilent GCMS for method 525.2 with the following exception: the Endrin breakdown result was suddenly greater than 70%. Unfortunately this was not realized until 3 weeks after the injections were made. The instrument was removed from service and a thorough investigation was begun to attempt to determine and correct the causes of the high Endrin breakdown as well as low recoveries of several other less stable compounds. Involved in our investigation was Agilent staff, Finnigan staf., our 2 service consultants from MDL Systems, our gas suppliers - Air Gas Corporation, and members of our staff. Simultaneously, 4 other instruments in the laboratory suddenly experienced high Endrin breakdown also. Around January 22, the problems were isolated and for the most part corrected for each instrument. The causes were due to a combination of various problems, some which may have been building over time, i.e. bad vial of Endrin standard, contaminated gas lines and gas purifying traps, much too high injection port temperatures, bad lot of GC septa, improper design of Finnigan Ion Trap injection port, and inherently poor design of Agilent GC injection ports. Though we can not be conclusive as to which causes contributed the most to the problem, and which ones affected each instrument exactly, all in all with many corrections made, we believe we are now able to control the Endrin breakdown levels. In addition, we observed improved recoveries thus far for the 18 compounds analyzed by our method 525.2. In order for me to reaffirm the reliability of data obtained from the original injections for these 2 batches, we reinjected them and compared the new data against the original data. All results agree with improved responses for problem compounds and surrogates. The Endrin breakdown was 10.6%. Thus, I reported the originally obtained data but the newly obtained Endrin % breakdown result.

DFTPP

Data File : C:\MSDCHEM\1\DATA\012502A\DFTPPB.D
Acq On : 25 Jan 2002 11:01 am
Sample : 200 1 UL
Misc :
MS Integration Params: rteint.p

Vial: 3
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

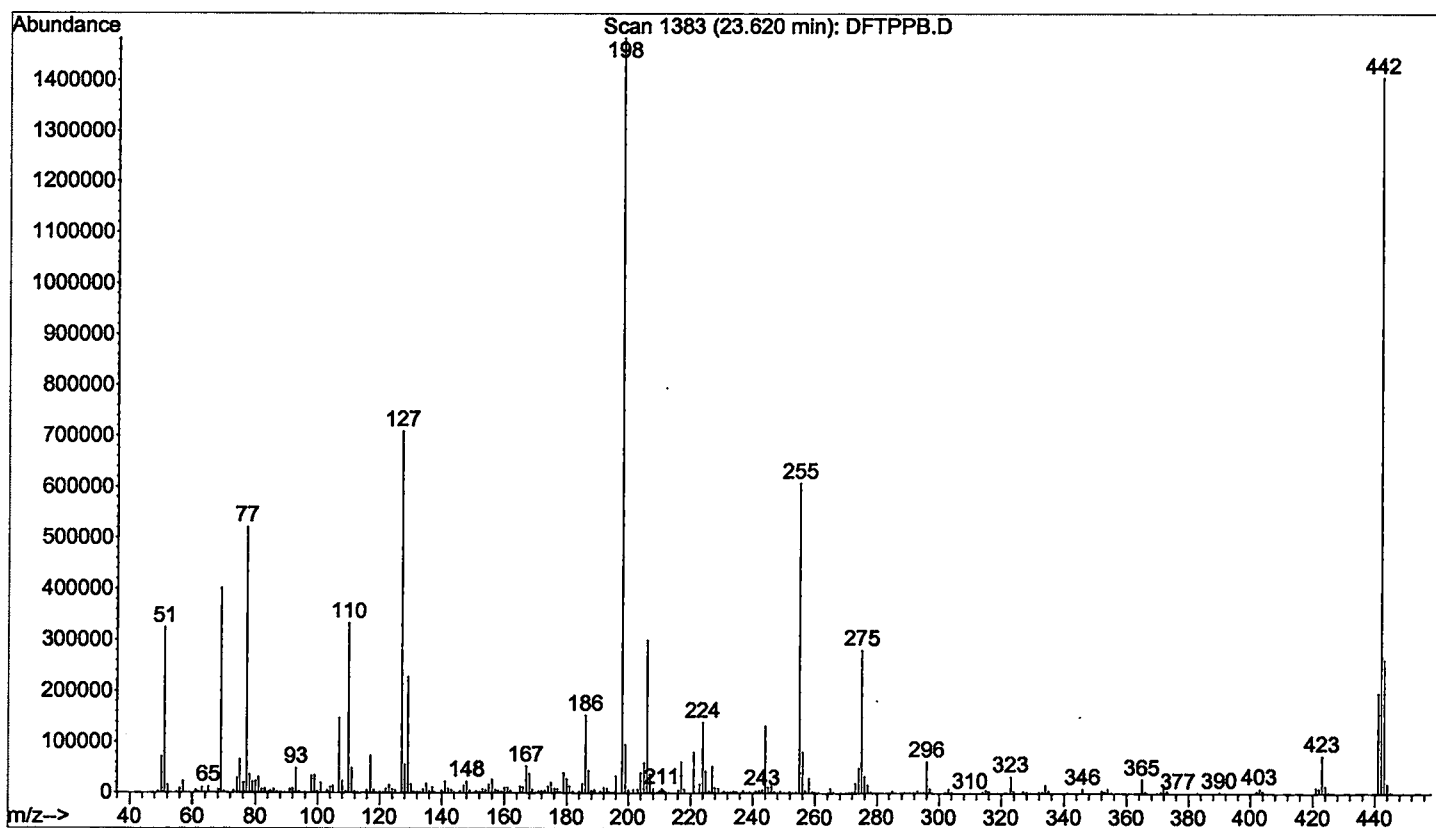
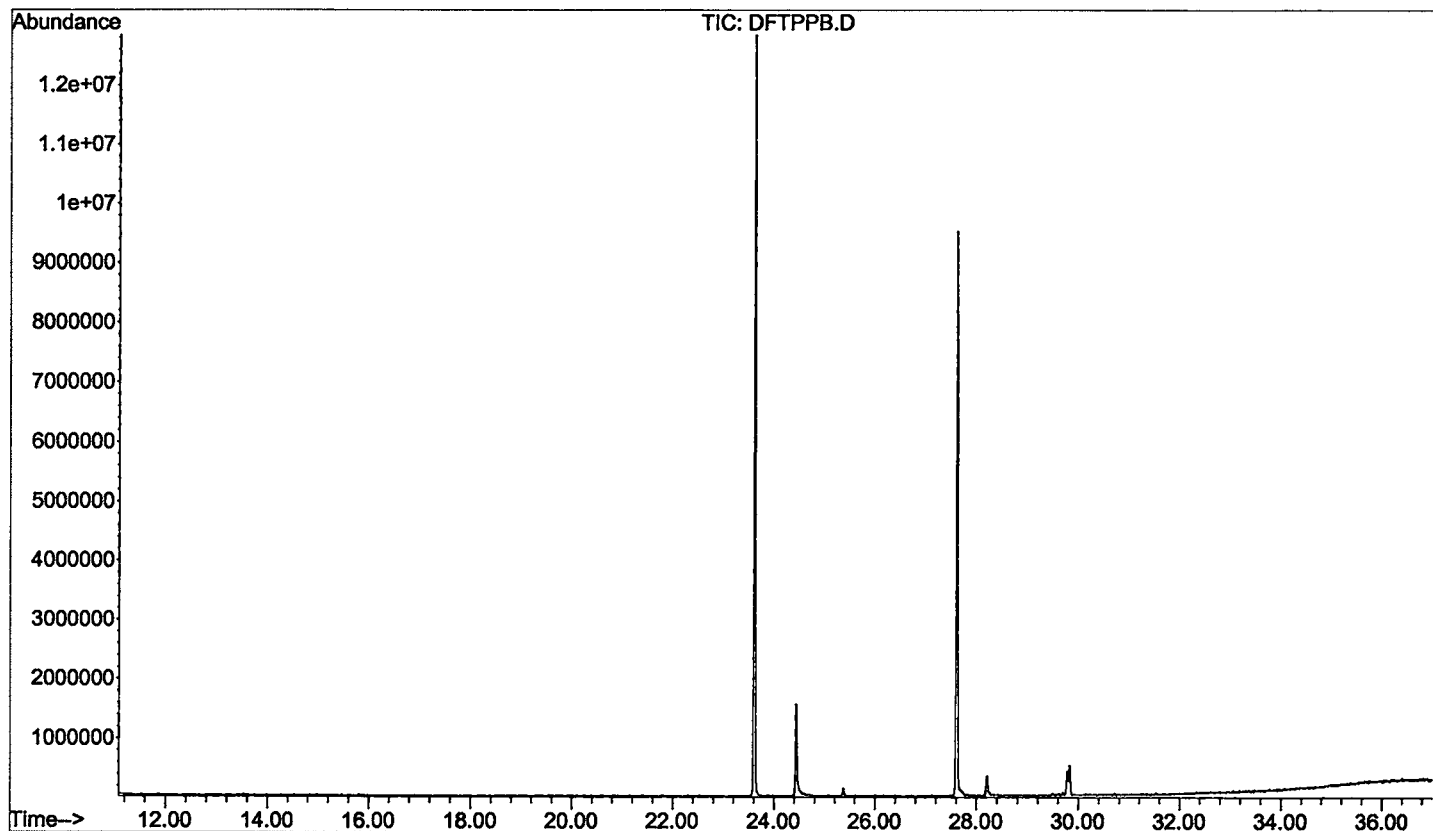
Method : C:\MSDCHEM\1\5973N\012402B.M (RTE Integrator)
Title : Quantitation For Method 525.2

Spectrum Information: Scan 1383

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.8	323776	PASS
68	69	0.00	2	1.6	6345	PASS
69	198	0.00	100	27.1	401984	PASS
70	69	0.00	2	0.8	3200	PASS
127	198	10	80	47.8	708992	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	1483264	PASS
199	198	5	9	6.4	95224	PASS
275	198	10	60	18.9	280896	PASS
365	198	1	100	1.9	27616	PASS
441	443	0.01	100	75.0	196288	PASS
442	198	50	100	94.8	1405952	PASS
443	442	15	24	18.6	261888	PASS

DFTPPB.D 012402B.M Mon Jan 28 10:28:56 2002

File : C:\MSDCHEM\1\DATA\012502A\DFTPPB.D
 Operator : McLean
 Acquired : 25 Jan 2002 11:01 am using AcqMethod 012402DF
 Instrument : Instrumen
 Sample Name: 200 1 UL
 Misc Info :
 Vial Number: 3



Area Percent Report

Data File : C:\MSDCHEM\1\DATA\012502A\DFTPPB.D Vial: 3
Acq On : 25 Jan 2002 11:01 am Operator: McLean
Sample : 200 1 UL Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\5973N\012402B.M (RTE Integrator)
Title : Quantitation For Method 525.2
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 5000 Area counts
Start Thrs: 0.2 Max Peaks: 10
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	27.611	1819	1823	1830	rM 2	9487263	17556251	100.00%	89.375%
2	28.209	1886	1889	1894	rM 2	278592	494518	2.82%	2.517%
3	29.833	2060	2068	2072	rM 7	462262	1592688	9.07%	8.108%

Sum of corrected areas: 19643457

Handwritten:
7.62%
10.6%

Area Percent Report

Data File : C:\MSDCHEM\1\DATA\012502A\DDT.D
 Acq On : 25 Jan 2002 11:46 am
 Sample : 200 1 UL
 Misc :
 MS Integration Params: rteint.p

Vial: 4
 Operator: McLean
 Inst : Instrumen
 Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\012402B.M (RTE Integrator)
 Title : Quantitation For Method 525.2
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 5000 Area counts
 Start Thrs: 0.2 Max Peaks: 10
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	28.881	1956	1963	1990	rM	9103864	17764666	100.00%	100.000%

- 0% DDT

Sum of corrected areas: 17764666

Area Percent Report

Data File : C:\MSDCHEM\1\DATA\121101\DFTPP.D

Acq On : 12 Dec 2001 10:18 am

Sample : dftpp +endrin

Misc :

MS Integration Params: BENZO.P

Vial: 1

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\5080102.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 2500 Area counts

Start Thrs: 0.15

Max Peaks: 10

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	27.967	1307	1311	1317	rM 2	2108403	4253544	100.00%	57.645%
2	28.575	1374	1378	1381	rM 2	678668	1372685	32.27%	18.603%
3	30.207	1554	1558	1562	rM 3	799972	1752645	41.20%	23.752%

Sum of corrected areas: 7378874

*Original
data*

Area Percent Report

Data File : C:\MSDCHEM\1\DATA\121001\DFTPP.D

Acq On : 10 Dec 2001 11:32 am

Sample : dftpp +ddt+end

Misc :

MS Integration Params: BENZO.P

Vial: 1

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\5080102.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 2500 Area counts

Start Thrs: 0.15

Max Peaks: 10

Stop Thrs : 0

Peak Location: TOP

Original data

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	27.994	1310	1314	1318	rM	3638850	6809942	100.00%	56.458%
2	28.593	1377	1380	1382	rM 2	260838	503998	7.40%	4.178%
3	30.225	1554	1560	1565	rM 2	1694748	4747969	69.72%	39.363%

Sum of corrected areas: 12061909

Area Percent Report

Data File : C:\MSDCHEM\1\DATA\121001\DFTPP.D

Acq On : 10 Dec 2001 11:32 am

Sample : dftpp +ddt+end

Misc :

MS Integration Params: BENZO.P

Vial: 1

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\5080102.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 2500 Area counts

Start Thrs: 0.15

Max Peaks: 10

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	28.393	1354	1358	1363	rM	1277197	2803158	21.63%	17.785%
2	29.101	1431	1436	1441	rM	5586183	12957854	100.00%	82.215%

Sum of corrected areas: 15761012

File : C:\MSDCHEM\1\DATA\121001\DFTPP.D
 Operator : McLean
 Acquired : 10 Dec 2001 11:32 am using AcqMethod BIG3
 Instrument : Instrumen
 Sample Name: dftpp +ddt+end
 Misc Info :
 Vial Number: 1

