

User: Nefliu, Marcela  
 Westchester Dept. of Labs & Research  
 Date: 12/18/2001 Time: 13:13:57

Sample: AD26474  
 Analysis: \$508 Chlorine Pesticides - 508  
 Units: ug  
 Started: 11/5/01 11:52 Ended: 12/1/01 11:52 Analyst: MN  
 Result source: manual entry  
 Page: 1

|    | Component Name     | Viol | Result | Qualifier | MDL   |
|----|--------------------|------|--------|-----------|-------|
| 1  | Propachlor         |      | < MDL  |           | 0.040 |
| 2  | Lindane            |      | < MDL  |           | 0.030 |
| 3  | Heptachlor         |      | < MDL  |           | 0.020 |
| 4  | Aldrin             |      | < MDL  |           | 0.010 |
| 5  | Heptachlor Epoxide |      | < MDL  |           | 0.030 |
| 6  | 4,4-DDE            |      | < MDL  |           | 0.080 |
| 7  | Dieldrin           |      | < MDL  |           | 0.016 |
| 8  | Endrin             |      | < MDL  |           | 0.020 |
| 9  | Methoxychlor       |      | < MDL  |           | 0.039 |
| 10 | Chlordane          |      | < MDL  |           | 0.40  |
| 11 | Toxaphene          |      | < MDL  |           | 0.40  |
| 12 | PCB's              |      | < MDL  |           | 0.20  |
| 13 | Surr_2,4-DDD       |      | 0.19   |           |       |

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
 Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 18 10:20:31 2001 Quant Results File: 011203P.RES

Quant Method : C:\MSDCHEM\1\METHODS\011203P.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides  
 Last Update : Mon Dec 03 10:48:55 2001  
 Response via : Initial Calibration  
 DataAcq Meth: 508.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ug/l   | ug/l    |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 10) s 2,4-DDD SURROGAT      | 14.47 | 15.05 | 550.1E6  | 499.4E6  | 0.194m | 0.198   |
| Spiked Amount               | 0.200 |       | Recovery | =        | 97.00% | 99.00%  |
| Target Compounds            |       |       |          |          |        |         |
| 2) g-BHC                    | 9.97  | 10.26 | 20147602 | 4018550  | 0.003  | 0.001 # |
| 3) Heptachlor               | 0.00  | 11.32 | 0        | 6381349  | N.D. d | 0.002   |
| 4) Aldrin                   | 0.00  | 12.07 | 0        | 4180744  | N.D. d | 0.001   |
| 5) Heptachlor Epoxi         | 13.27 | 13.24 | 22594135 | 3522361  | 0.004  | 0.001 # |
| 6) 4,4-DDE                  | 0.00  | 14.53 | 0        | 10215620 | N.D. d | 0.002   |
| 7) Dieldrin                 | 14.67 | 0.00  | 5750946  | 0        | 0.001  | N.D. d# |
| 8) Endrin                   | 0.00  | 15.66 | 0        | 14429337 | N.D. d | 0.004   |

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 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

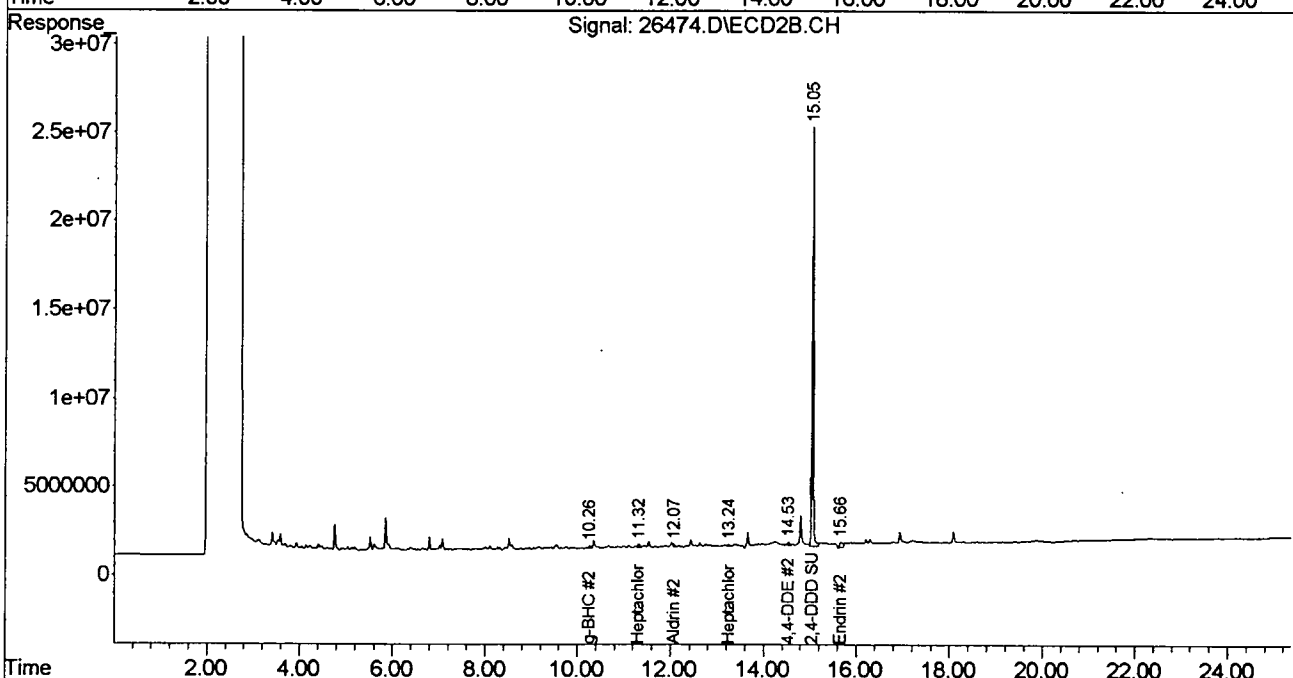
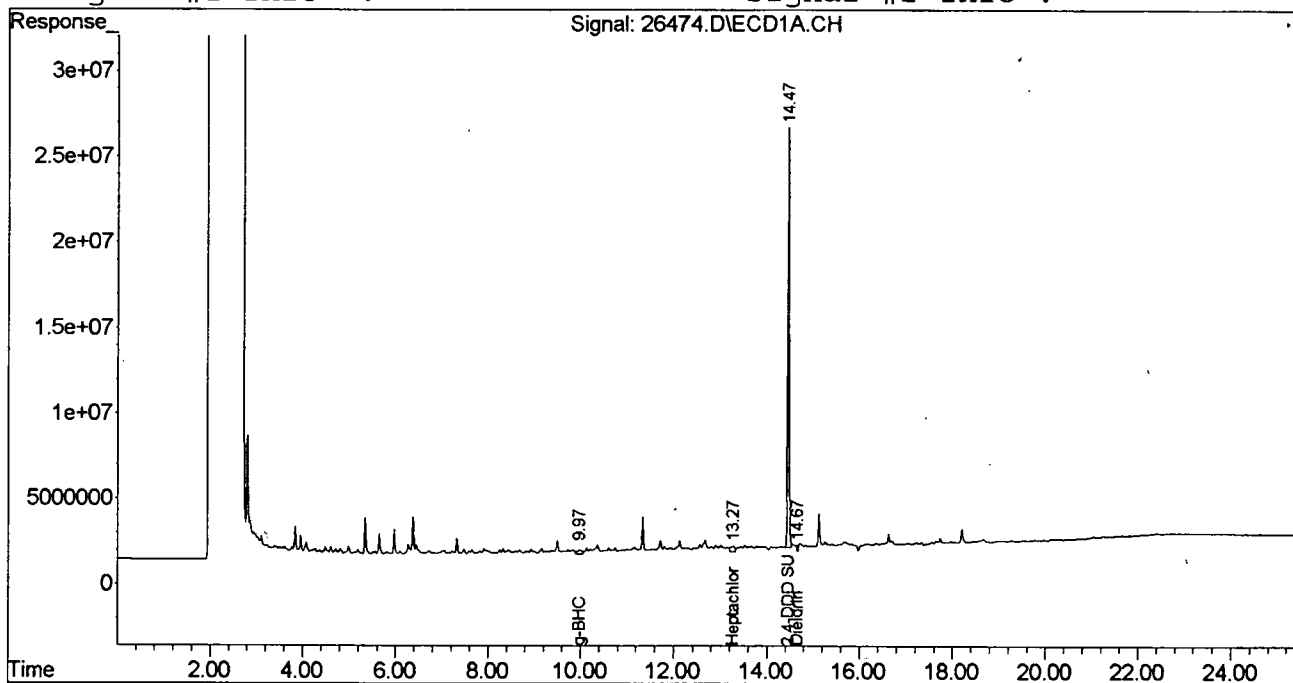
26474.D 011203P.M Tue Dec 18 10:21:13 2001

Page 1

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 18 10:21 2001 Quant Results File: 011203P.RES

Quant Method : C:\MSDCHEM\1\METHODS\011203P.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides  
Last Update : Mon Dec 03 10:48:55 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Quantitation Report

(QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
 Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 17 13:42:17 2001 Quant Results File: 011201C.RES

Quant Method : C:\MSDCHEM\1\METHODS\011201C.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides - Chlordane  
 Last Update : Fri Dec 14 16:10:15 2001  
 Response via : Initial Calibration  
 DataAcq Meth : 508.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ug/l | ug/l |
|----------|------|------|--------|--------|------|------|
|----------|------|------|--------|--------|------|------|

System Monitoring Compounds

|                       |       |       |          |         |        |        |
|-----------------------|-------|-------|----------|---------|--------|--------|
| 4) s 2,4-DDD SURROGAT | 14.47 | 15.05 | 550.6E6  | 485.9E6 | 0.178m | 0.199m |
| Spiked Amount         | 0.200 |       | Recovery | =       | 89.00% | 99.50% |

Target Compounds

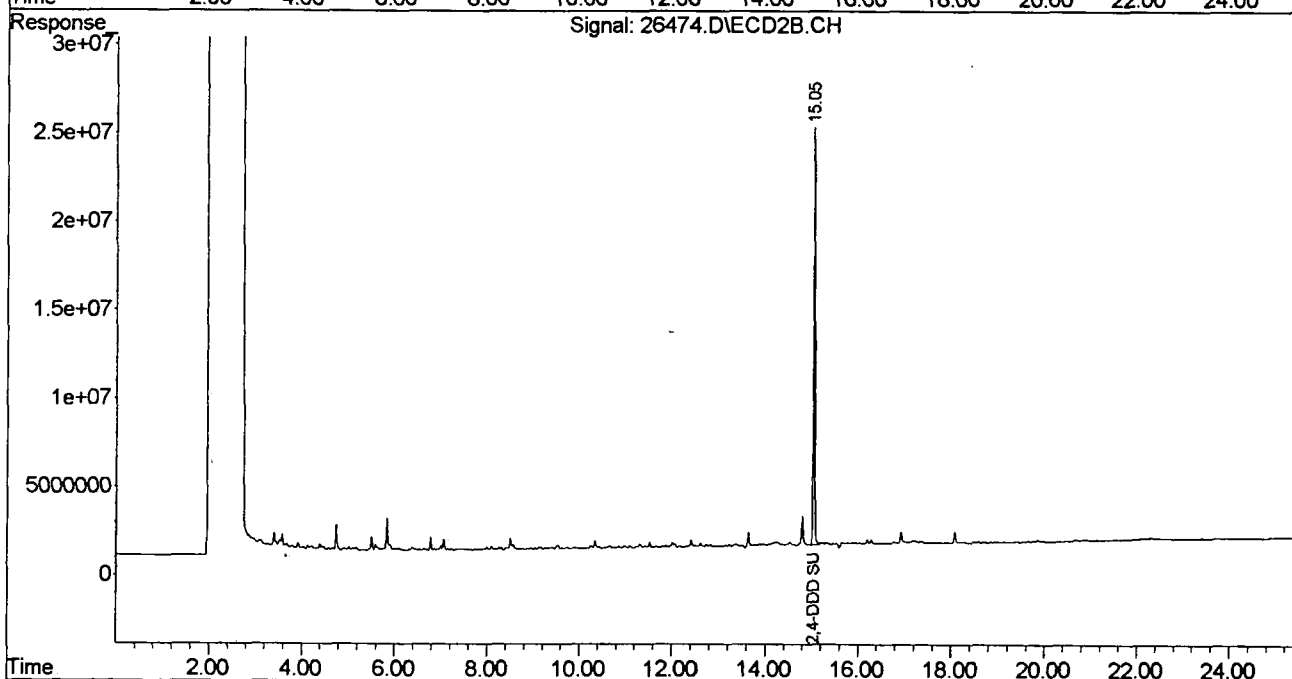
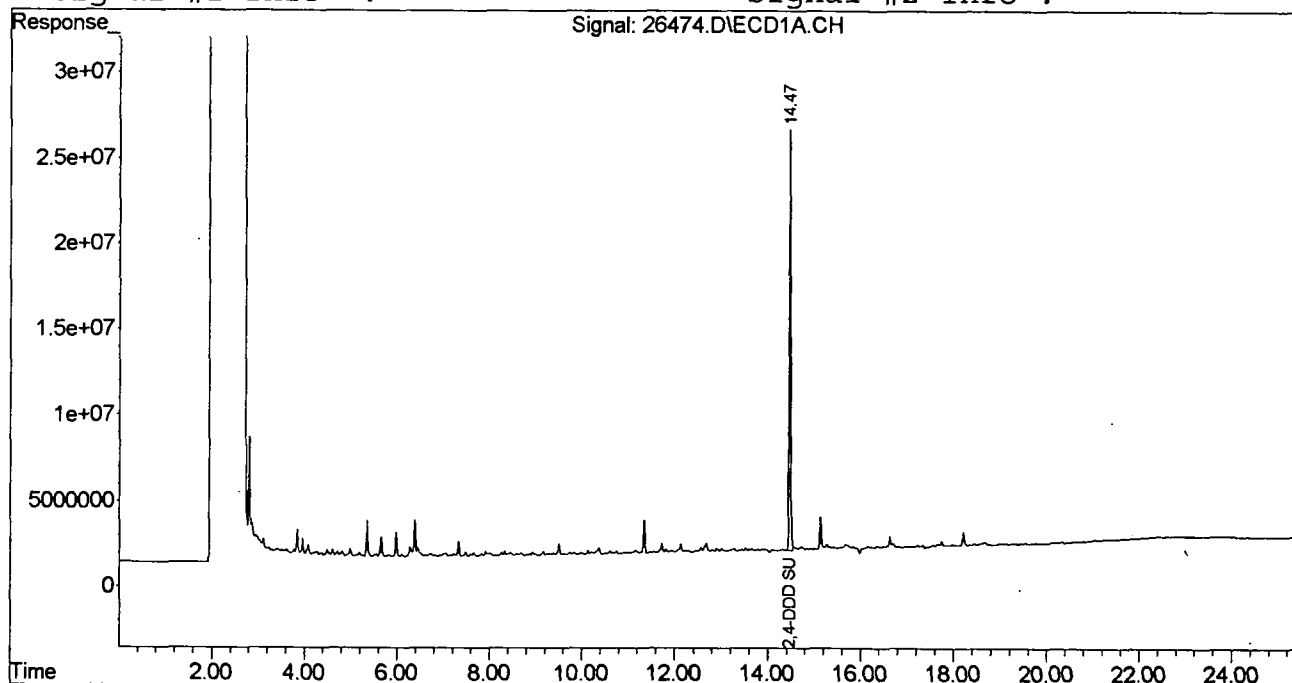
## Quantitation Report

(QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 17 13:42 2001 Quant Results File: 011201C.RES

Quant Method : C:\MSDCHEM\1\METHODS\011201C.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides - Chlordane  
Last Update : Fri Dec 14 16:10:15 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
 Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 17 15:08:39 2001 Quant Results File: 011201T.RES

Quant Method : C:\MSDCHEM\1\METHODS\011201T.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides - Toxaphene  
 Last Update : Sat Dec 01 11:20:58 2001  
 Response via : Initial Calibration  
 DataAcq Meth : 508.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | Conc#1 | Conc#2  |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 6) s 2,4-DDD SURROGAT       | 14.47 | 15.05 | 549.7E6  | 499.4E6  | 0.197m | 0.216   |
| Spiked Amount               | 0.200 |       | Recovery | =        | 98.50% | 108.00% |
| Target Compounds            |       |       |          |          |        |         |
| 1) Toxaphene Peak 1         | 14.83 | 15.78 | 14313330 | 13820105 | 0.344  | 0.685 # |
| 2) Toxaphene Peak 2         | 15.26 | 16.20 | 26137987 | 7727814  | 0.477  | 0.078 # |
| 3) Toxaphene Peak 3         | 15.67 | 16.29 | 51757206 | 8452083  | 1.623  | 0.288 # |
| 5) Toxaphene Peak 5         | 0.00  | 18.08 | 0        | 14111715 | N.D. d | 0.127   |

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 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

26474.D 011201T.M Mon Dec 17 15:09:03 2001

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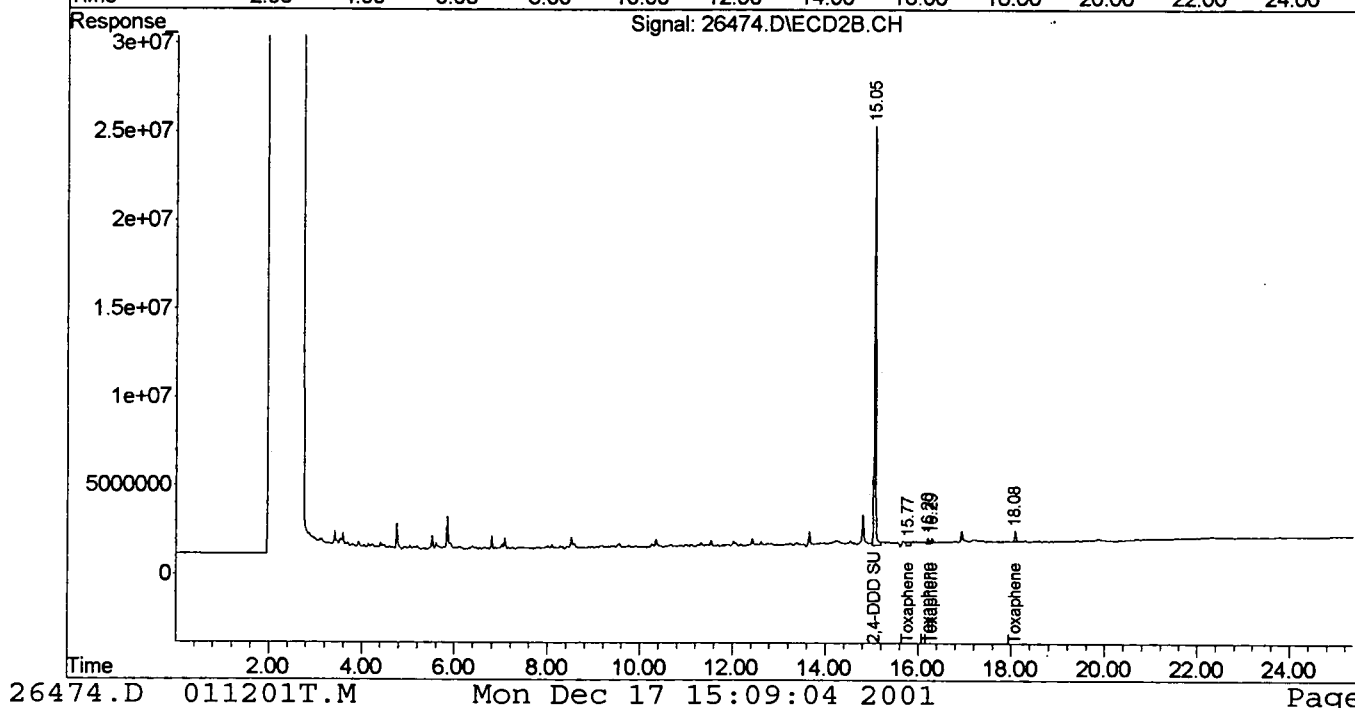
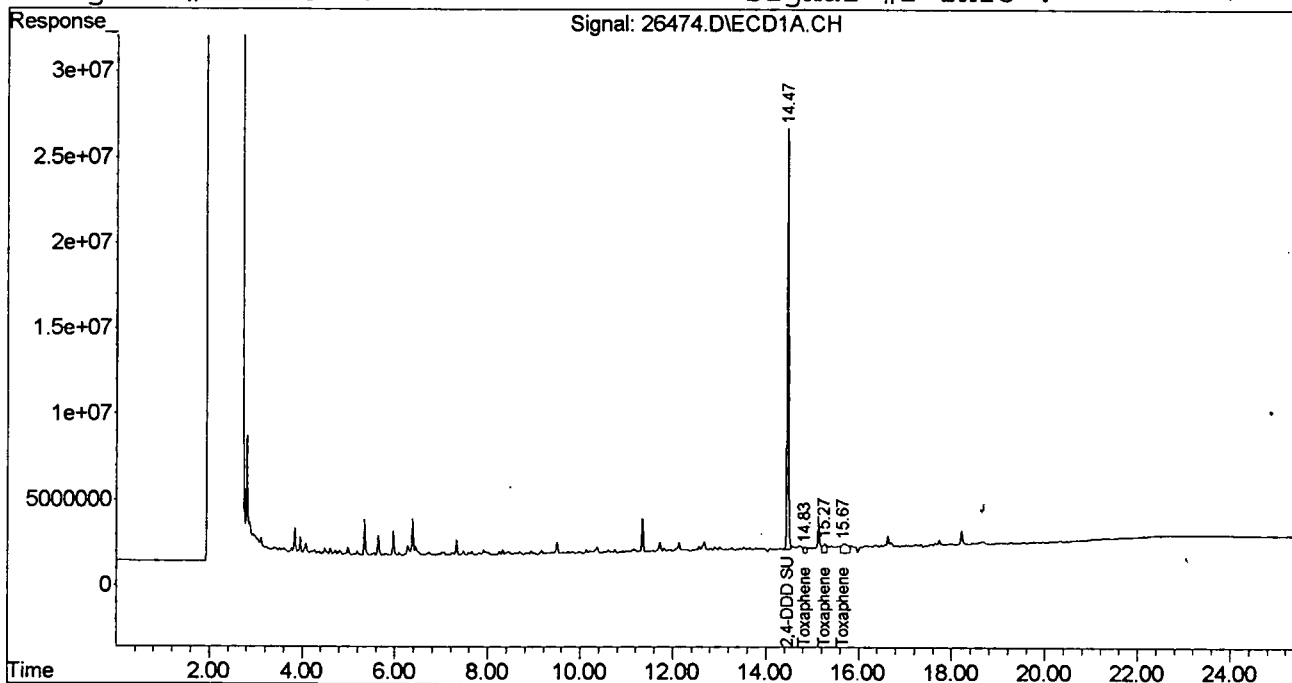
## Quantitation Report

(QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 17 15:08 2001 Quant Results File: 011201T.RES

Quant Method : C:\MSDCHEM\1\METHODS\011201T.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides - Toxaphene  
Last Update : Sat Dec 01 11:20:58 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report

(QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 17 16:28:06 2001 Quant Results File: PCB1221.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1221.M (Chemstation Integrator)  
Title : 508 - Arochlor 1221  
Last Update : Mon Dec 17 16:14:30 2001  
Response via : Initial Calibration  
DataAcq Meth : 508.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

| Compound                    | R.T.  | Response   | Conc Units   |
|-----------------------------|-------|------------|--------------|
| -----                       |       |            |              |
| System Monitoring Compounds |       |            |              |
| 6) s 2,4-DDD SURROGATE      | 14.47 | 552707814  | 0.195 ug/l m |
| Spiked Amount 0.200         |       | Recovery = | 97.50%       |
| 13) s 2,4-DDD SURROGATE #2  | 15.05 | 482154796  | 0.191 ug/l m |
| Spiked Amount 0.200         |       | Recovery = | 95.50%       |
| Target Compounds            |       |            |              |
| 2) 1221 - peak 2            | 7.32  | 29224697   | 0.376        |
| 5) 1221 - peak 5            | 8.68  | 17002030   | 0.108        |
| 9) 1221 - peak 2 #2         | 6.79  | 14628074   | 0.346        |
| 10) 1221 - peak3 #2         | 8.51  | 15879729   | 0.331        |

(f)=RT Delta &gt; 1/2 Window

26474.D PCB1221.M

Mon Dec 17 16:28:35 2001

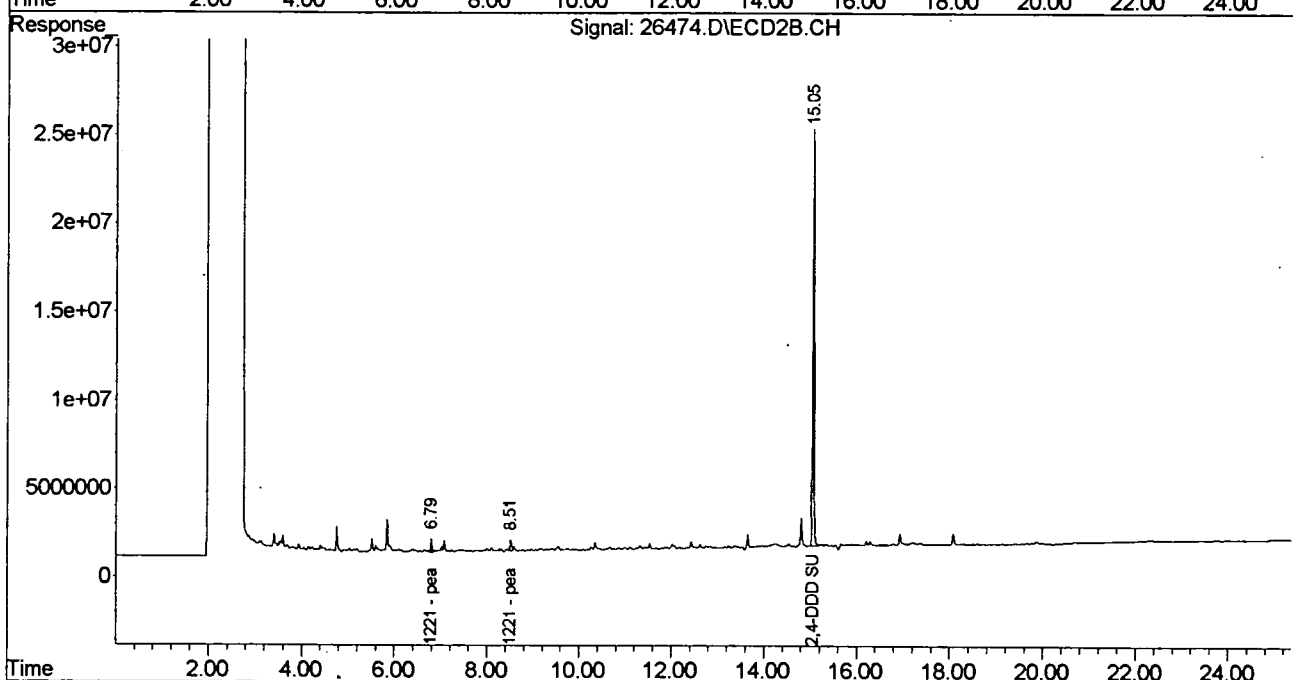
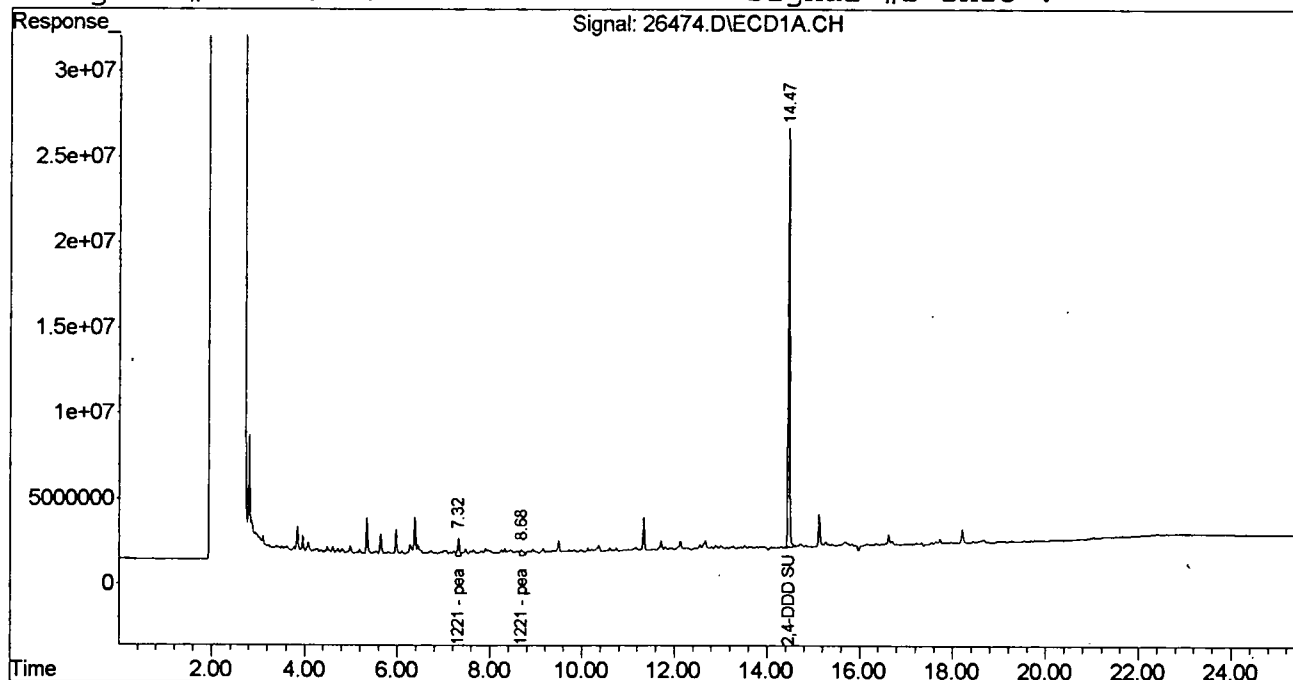
(m)=manual int.

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Signal #1 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD1A.CH Vial: 57  
Signal #2 : C:\MSDCHEM\1\DATA\508\011201\26474.D\ECD2B.CH  
Acq On : 04 Dec 2001 3:01 am Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 17 16:28 2001 Quant Results File: PCB1221.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1221.M (Chemstation Integrator)  
Title : 508 - Arochlor 1221  
Last Update : Mon Dec 17 16:14:30 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**Comments for Sample AD26474 - Analysis \$508**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-21-2001 Time: 13:39:17

The recovery for 2 of the 11 compounds in the LC S Standard were below their acceptance ranges.