

User: Nefliu, Marcela  
Westchester Dept. of Labs & Research  
Date: 12/27/2001 Time: 14:38:53

Sample: AD27549  
Analysis: \$508 Chlorine Pesticides - 508  
Units: ug  
Started: 11/15/01 14:36 Ended: 12/12/01 14:36 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       |      | 0.14   |           |       |

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD1A.CH Vial: 32  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
 Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 26 14:21:37 2001 Quant Results File: 011212P.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212P.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides  
 Last Update : Wed Dec 26 14:11:58 2001  
 Response via : Initial Calibration  
 DataAcq Meth : MDL508.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      | 14.34 | 14.97 | 495.6E6  | 405.3E6  | 0.137m | 0.151  |
| Spiked Amount               | 0.200 |       | Recovery | =        | 68.50% | 75.50% |
| Target Compounds            |       |       |          |          |        |        |
| 2) g-BHC                    | 0.00  | 10.15 | 0        | 8290876  | N.D. d | 0.001  |
| 3) Heptachlor               | 0.00  | 11.24 | 0        | 8327460  | N.D. d | 0.002  |
| 4) Aldrin                   | 0.00  | 11.96 | 0        | 40004786 | N.D. d | 0.007  |
| 5) Heptachlor Epoxi         | 0.00  | 13.28 | 0        | 5740270  | N.D. d | 0.001  |
| 6) 4,4-DDE                  | 0.00  | 14.61 | 0        | 10353829 | N.D. d | 0.002  |
| 7) Dieldrin                 | 0.00  | 14.74 | 0        | 9407641  | N.D. d | 0.002  |
| 8) Endrin                   | 0.00  | 15.57 | 0        | 3494332  | N.D. d | 0.001  |

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

27549.D 011212P.M Wed Dec 26 14:22:05 2001

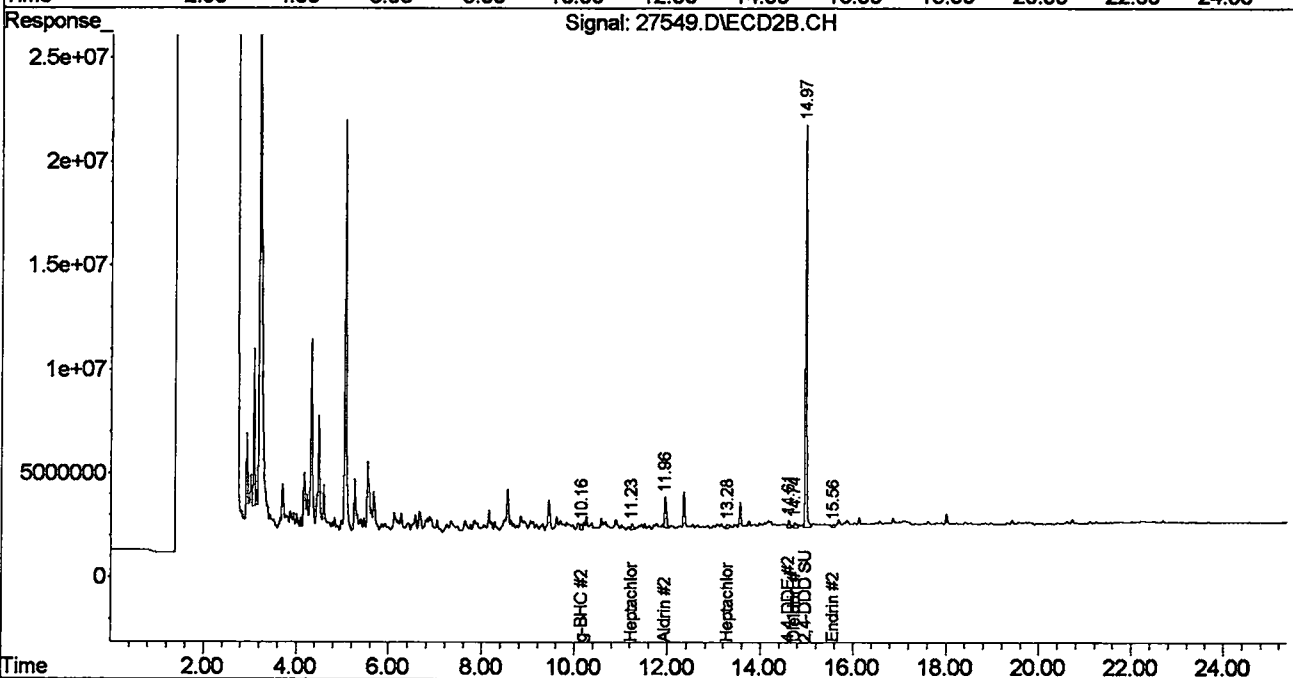
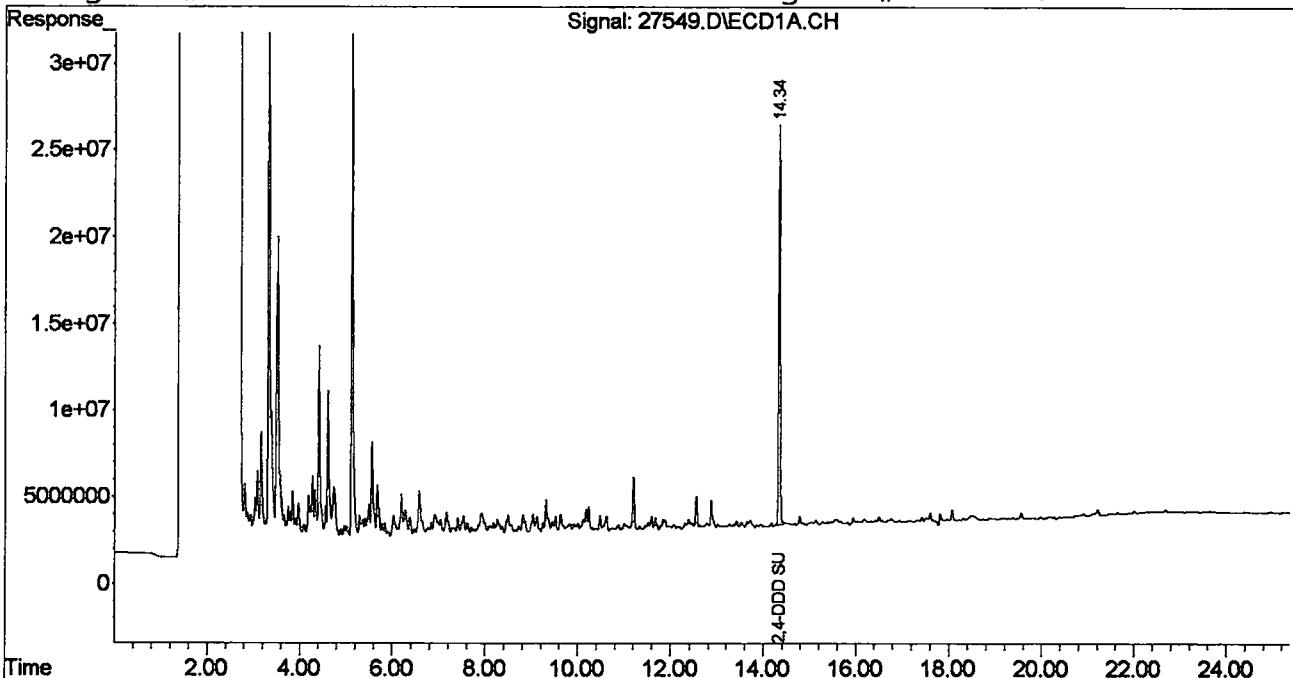
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Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD1A.CH Vial: 32  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
 Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 26 14:22 2001 Quant Results File: 011212P.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212P.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides  
 Last Update : Wed Dec 26 14:11:58 2001  
 Response via : Multiple Level Calibration  
 DataAcq Meth : MDL508.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\011212B\27549.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 26 14:51:35 2001 Quant Results File: 011212C.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212C.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides - Chlordane  
Last Update : Mon Dec 17 11:03:11 2001  
Response via : Initial Calibration  
DataAcq Meth : MDL508.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       | 14.34 | 14.97 | 500.0E6  | 405.3E6 | 0.145m | 0.161  |
| Spiked Amount               | 0.200 |       | Recovery | =       | 72.50% | 80.50% |

| Target Compounds |                  |      |       |            |        |       |
|------------------|------------------|------|-------|------------|--------|-------|
| 1)               | Chlordane Peak 1 | 0.00 | 10.89 | 0 18879605 | N.D. d | 0.117 |
| 2)               | Chlordane Peak 2 | 0.00 | 12.35 | 0 39230985 | N.D. d | 0.216 |
| 3)               | Chlordane Peak 3 | 0.00 | 13.75 | 0 11049647 | N.D. d | 0.020 |

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

27549.D 011212C.M Wed Dec 26 14:51:50 2001

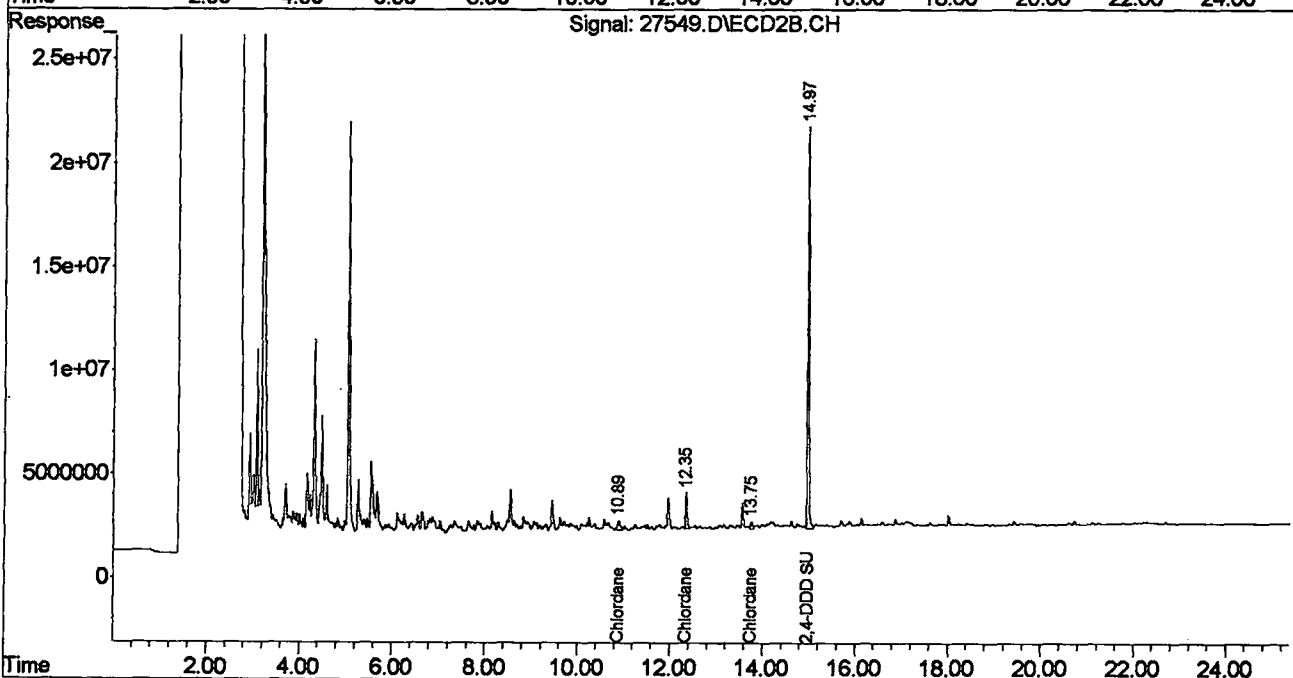
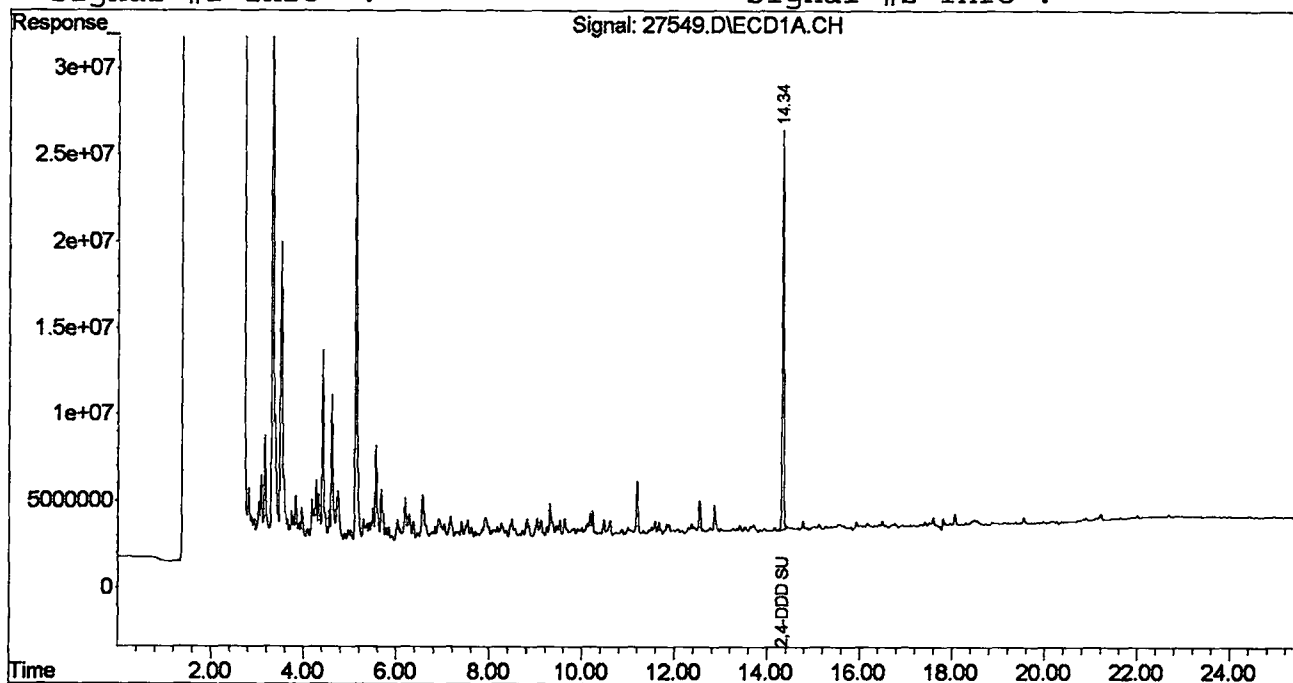
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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 26 14:51 2001 Quant Results File: 011212C.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212C.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides - Chlordane  
Last Update : Mon Dec 17 11:03:11 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : MDL508.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\011212B\27549.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 26 14:39:08 2001 Quant Results File: 011212T.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212T.M (Chemstation Integrator)  
Title : 508 Chlorinated Pesticides - Toxaphene  
Last Update : Mon Dec 17 14:09:03 2001  
Response via : Initial Calibration  
DataAcq Meth : MDL508.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 | 14.34 | 14.97 | 508.2E6  | 405.3E6 | 0.135m | 0.155  |
|      | Spiked Amount    | 0.200 |       | Recovery | =       | 67.50% | 77.50% |

## Target Compounds

|    |                  |      |       |   |         |        |        |
|----|------------------|------|-------|---|---------|--------|--------|
| 1) | Toxaphene Peak 1 | 0.00 | 15.68 | 0 | 7270417 | N.D. d | 0.348m |
| 2) | Toxaphene Peak 2 | 0.00 | 16.13 | 0 | 6837677 | N.D. d | 0.067m |
| 4) | Toxaphene Peak 4 | 0.00 | 16.57 | 0 | 5505493 | N.D. d | 0.059  |
| 5) | Toxaphene Peak 5 | 0.00 | 17.61 | 0 | 4167454 | N.D. d | 0.038  |

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

27549.D 011212T.M Wed Dec 26 14:39:39 2001

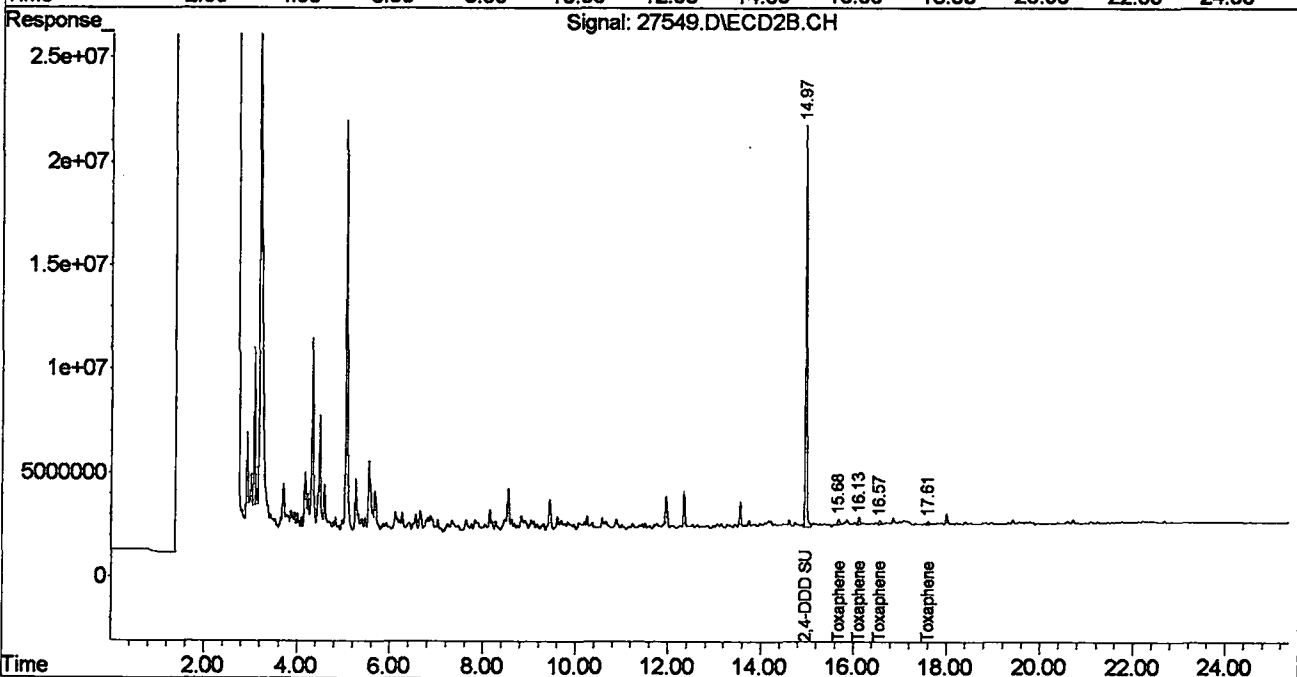
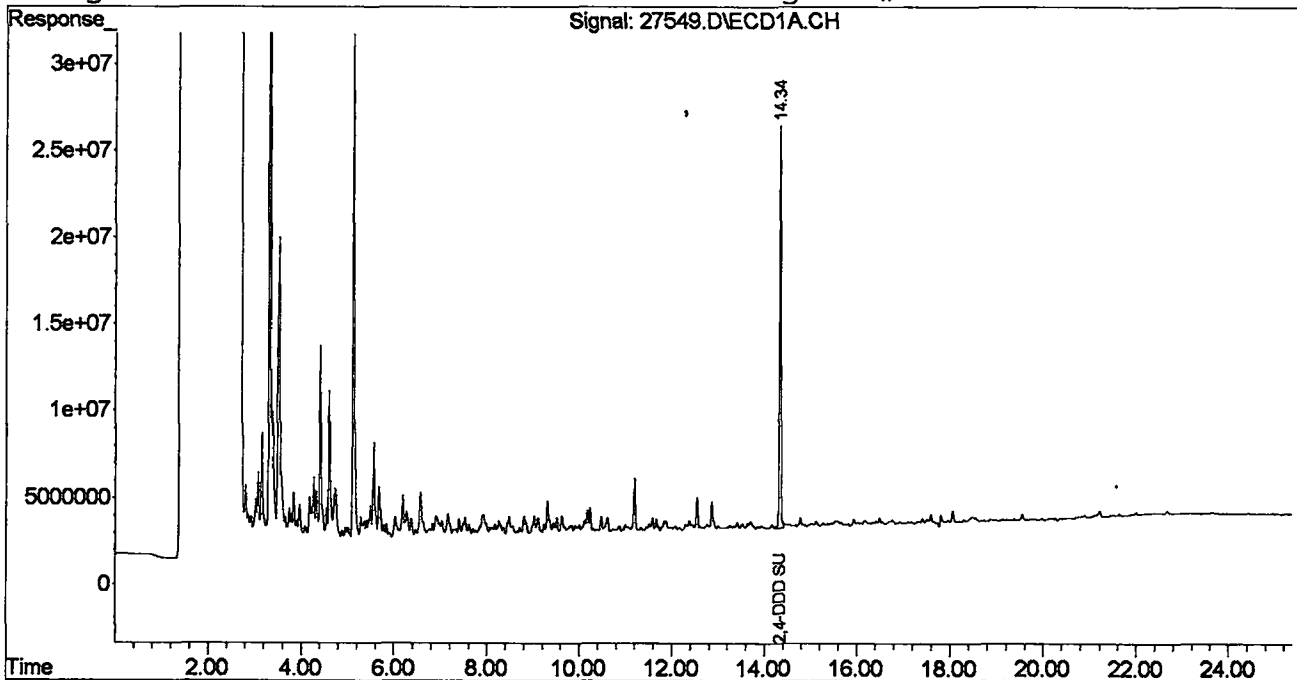
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Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD1A.CH Vial: 32  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
 Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 26 14:39 2001 Quant Results File: 011212T.RES

Quant Method : C:\MSDCHEM\1\METHODS\011212T.M (Chemstation Integrator)  
 Title : 508 Chlorinated Pesticides - Toxaphene  
 Last Update : Mon Dec 17 14:09:03 2001  
 Response via : Multiple Level Calibration  
 DataAcq Meth : MDL508.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\011212B\27549.D\ECD1A.CH Vial: 32  
 Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
 Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
 Sample : sample Inst : Instrume  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
 Quant Time: Dec 26 15:04:23 2001 Quant Results File: PCB1221.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1221.M (Chemstation Integrator)  
 Title : 508 - Arochlor 1221  
 Last Update : Wed Dec 26 15:01:13 2001  
 Response via : Initial Calibration  
 DataAcq Meth : MDL508.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 | 14.34 | 14.97 | 490.0E6  | 405.3E6 | 0.136m | 0.153  |
|      | Spiked Amount    | 0.200 |       | Recovery | =       | 68.00% | 76.50% |

Target Compounds

|    |               |      |      |          |          |         |         |
|----|---------------|------|------|----------|----------|---------|---------|
| 1) | 1221 - peak 1 | 0.00 | 6.41 | 0        | 18440510 | N.D. d  | 0.482   |
| 2) | 1221 - peak 2 | 7.16 | 6.65 | 4301.4E6 | 36459109 | 123.336 | 3.945 # |

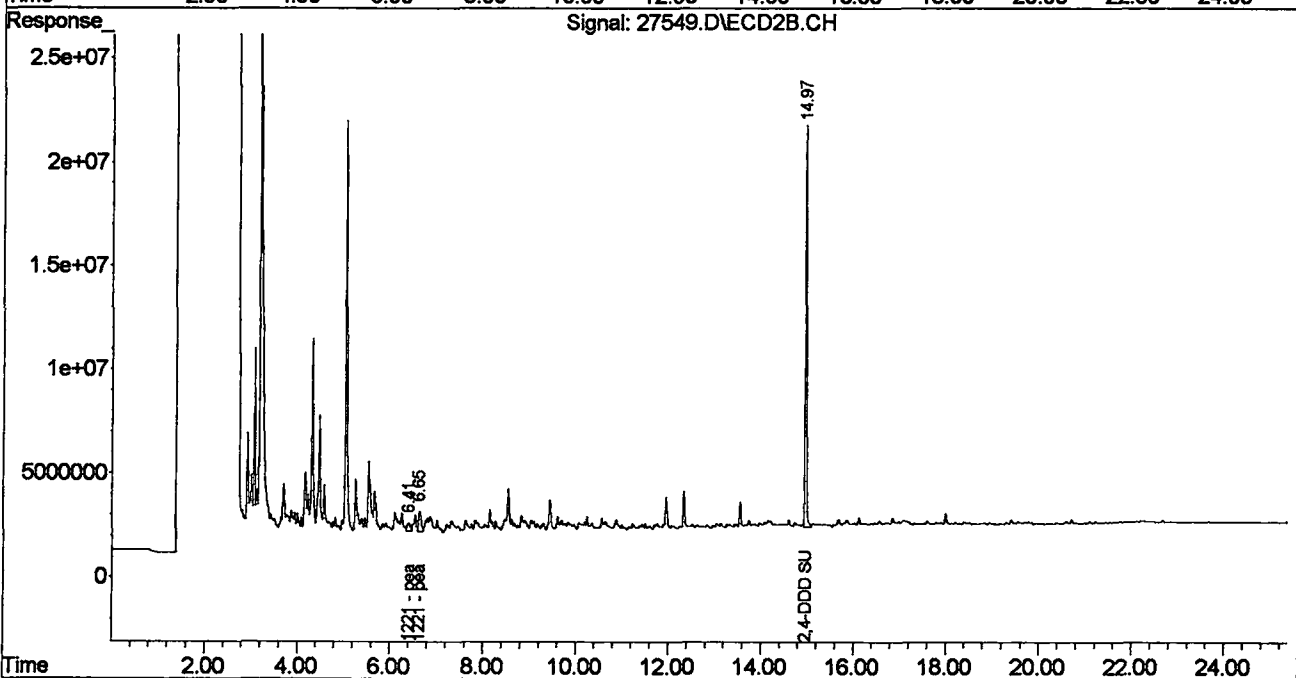
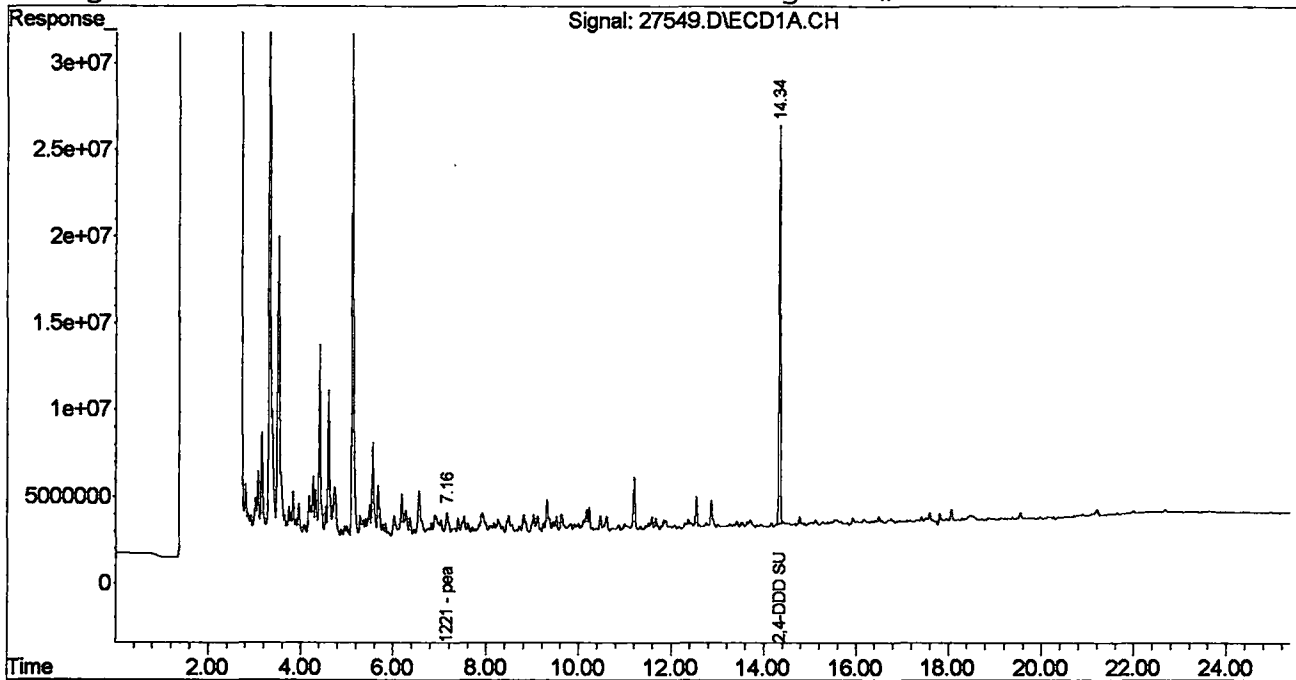
## Quantitation Report

(QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\508\011212B\27549.D\ECD2B.CH  
Acq On : 13 Dec 2001 4:49 pm Operator: Nefliu  
Sample : sample Inst : Instrume  
Misc : Multiplr: 1.00  
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e  
Quant Time: Dec 26 15:04 2001 Quant Results File: PCB1221.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1221.M (Chemstation Integrator)  
Title : 508 - Arochlor 1221  
Last Update : Wed Dec 26 15:01:13 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : MDL508.M

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



**Comments for Sample AD27549 - Analysis \$508**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 01-03-2002 Time: 15:49:13

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.