

User: Nefliu, Marcela  
Westchester Dept. of Labs & Research  
Date: 12/20/2001 Time: 14:48:35

Sample: AD27009  
Analysis: \$508 Chlorine Pesticides - 508  
Units: ug  
Started: 11/8/01 13:55 Ended: 12/3/01 13:55 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 | SUM 2,4-DDE        |       |        |           |       |

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 19 14:01 2001 Quant Results File: 011205P.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011205P.M (Chemstation Integrator  
Title : 508 CHLORINATED PESTICIDES 9/6/00  
Last Update : Sun Oct 21 15:26:52 2001  
Response via : Initial Calibration  
DataAcq Meth : 508F2.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 | 36.06 | 33.60 | 1971726  | 2307609 | 0.339m  | 0.389   |
|       | Spiked Amount    | 0.200 |       | Recovery | =       | 169.50% | 194.50% |

## Target Compounds

|    |            |       |       |       |       |        |         |
|----|------------|-------|-------|-------|-------|--------|---------|
| 3) | HEPTACHLOR | 24.32 | 21.46 | 9852  | 39482 | 0.001  | 0.004 # |
| 6) | 4,4'-DDE   | 34.72 | 31.96 | 69191 | 98002 | 0.007m | 0.009   |

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

27009.D 011205P.M Wed Dec 19 14:20:18 2001

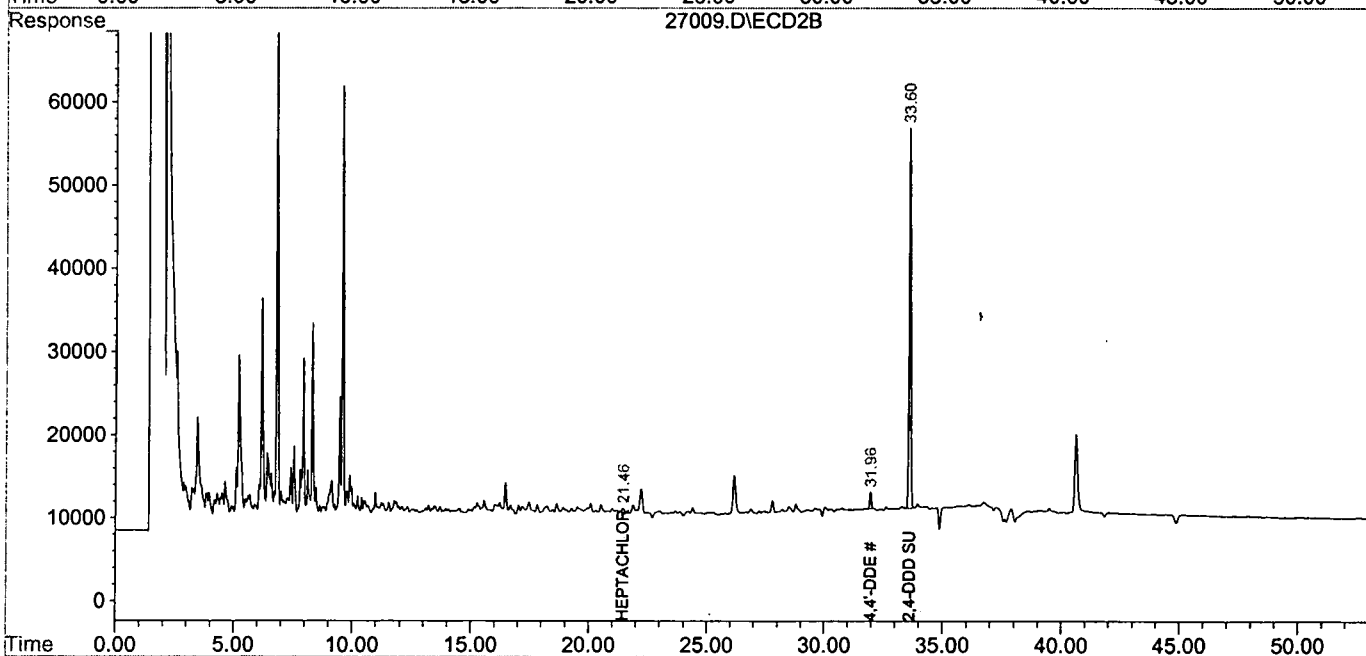
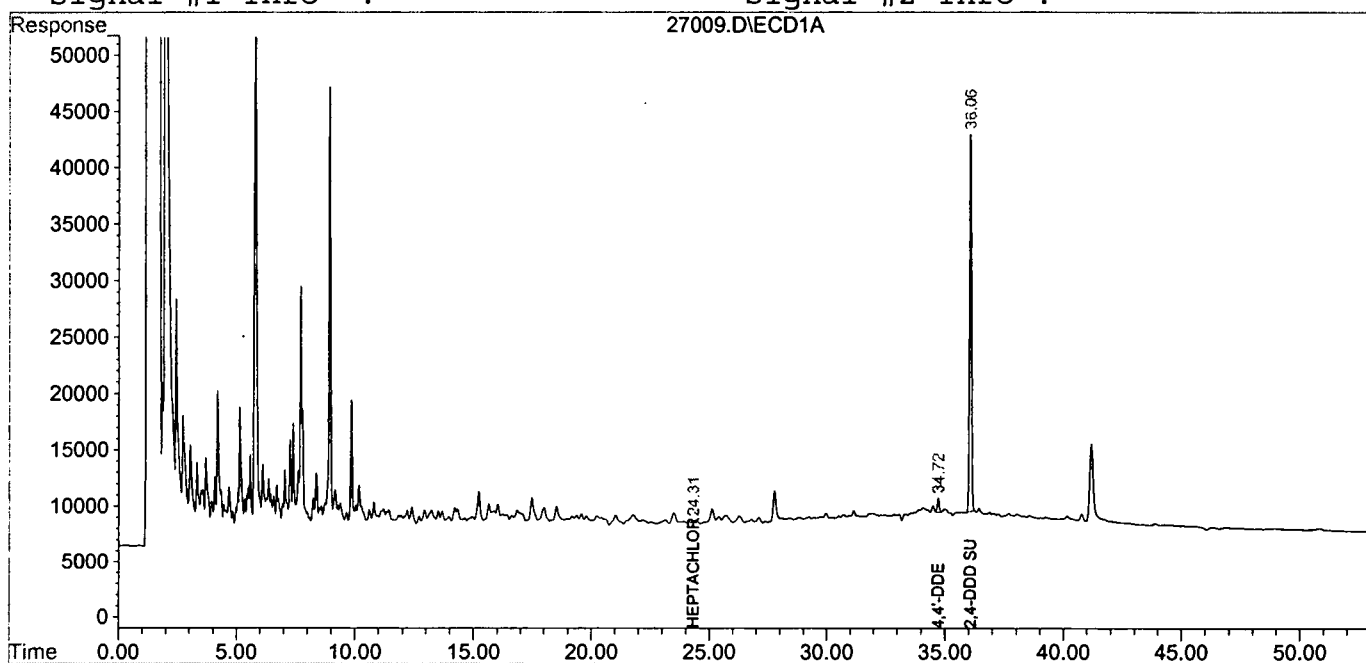
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## Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 19 14:01 2001 Quant Results File: 011205P.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011205P.M (Chemstation Integrator)  
Title : 508 CHLORINATED PESTICIDES .9/6/00  
Last Update : Sun Oct 21 15:26:52 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508F2.M

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



## Quantitation Report

(QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 20 10:58 2001 Quant Results File: 011204C.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011204C.M (Chemstation Integrator  
Title : DUAL 508 CHLORINATED PESTICIDES CHLORDANE 6/3/99  
Last Update : Thu Dec 20 10:37:18 2001  
Response via : Initial Calibration  
DataAcq Meth : 508F2.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       | 36.06 | 33.60 | 1998497  | 2307647 | 0.416m  | 0.358   |
| Spiked Amount               | 0.200 |       | Recovery | =       | 208.00% | 179.00% |
| Target Compounds            |       |       |          |         |         |         |
| 2) CHLORDANE PEAK 2         | 32.13 | 0.00  | 1741     | 0       | 0.002   | N.D. #  |
| 3) CHLORDANE PEAK 3         | 33.07 | 35.10 | 18440    | 144428  | 0.023   | 0.384 # |

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

27009.D 011204C.M Thu Dec 20 10:58:44 2001

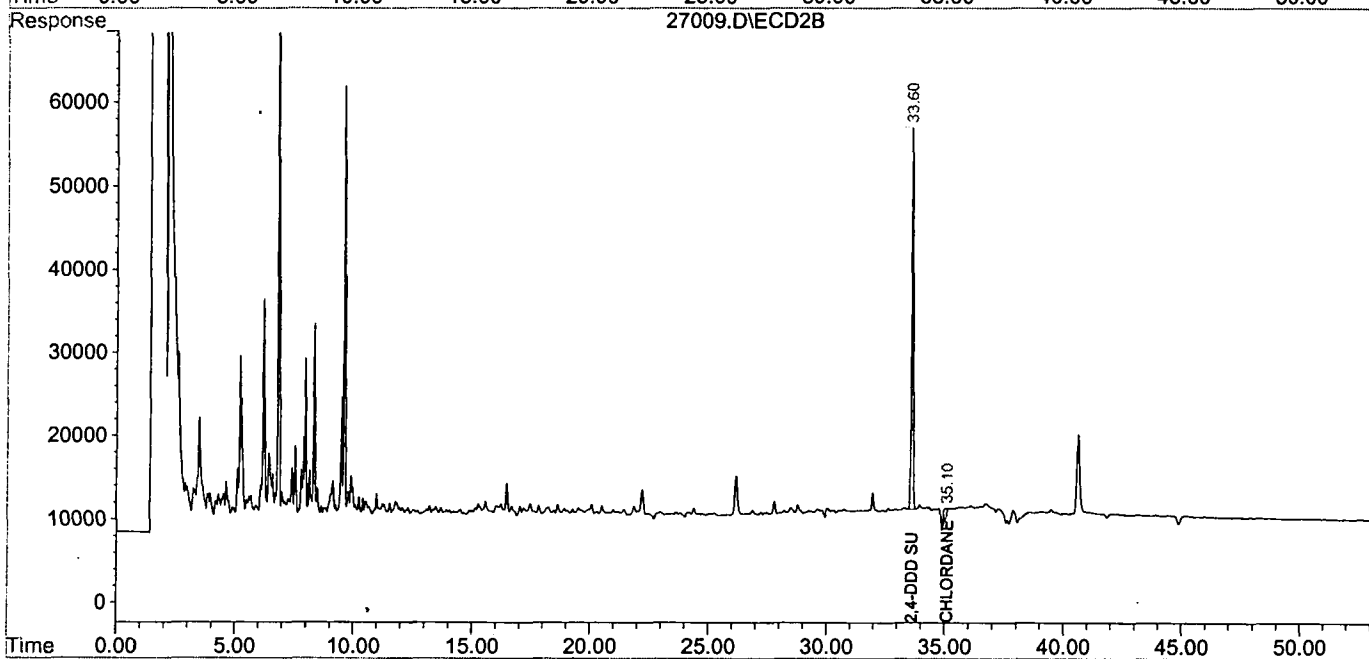
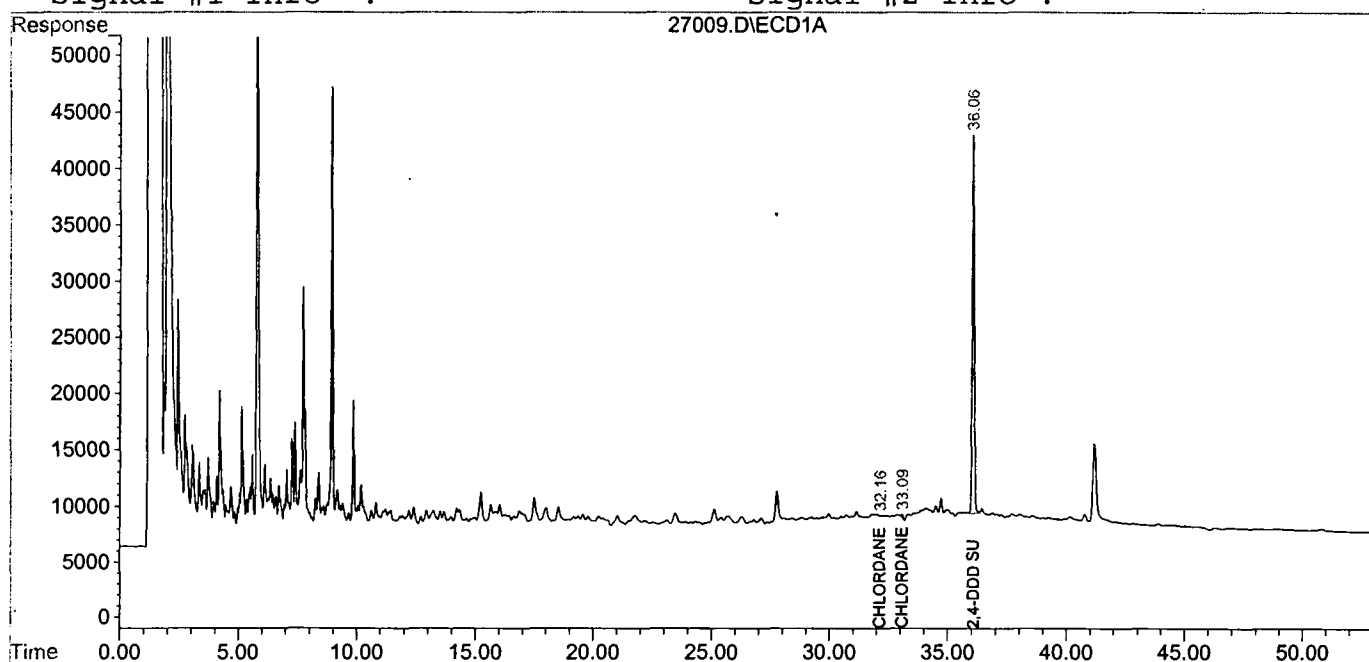
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## Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 20 10:58 2001 Quant Results File: 011204C.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011204C.M (Chemstation Integrator  
Title : DUAL 508 CHLORINATED PESTICIDES CHLORDANE 6/3/99  
Last Update : Thu Dec 20 10:37:18 2001  
Response via : Multiple Level Calibration  
DataAcq Meth : 508F2.M

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



## Quantitation Report

(QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 20 10:27 2001 Quant Results File: 011205T.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011205T.M (Chemstation Integrator  
Title : 508 CHLORINATED PESTICIDES TOXAPHENE7/28/99  
Last Update : Fri Nov 09 16:13:01 2001  
Response via : Initial Calibration  
DataAcq Meth : 508F2.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 |       |       |          |         |         |         |
| 6) S 2,4-DDD SURROGAT       | 36.06 | 33.60 | 1990582  | 2307613 | 0.288   | 0.322   |
| Spiked Amount               | 0.200 |       | Recovery | =       | 144.00% | 161.00% |
| Target Compounds            |       |       |          |         |         |         |
| 1) TOXAPHENE PEAK 1         | 34.29 | 0.00  | 2269     | 0       | 0.045   | N.D. d# |
| 2) TOXAPHENE PEAK 2         | 38.02 | 36.37 | 14235    | 3687    | 0.070   | 0.030 # |
| 3) TOXAPHENE PEAK 3         | 0.00  | 0.00  | 0        | 0       | N.D. d  | N.D. d  |
| 4) TOXAPHENE PEAK 4         | 43.90 | 0.00  | 15758    | 0       | 0.085   | N.D. d# |
| 5) TOXAPHENE PEAK 5         | 0.00  | 0.00  | 0        | 0       | N.D.    | N.D. d  |

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

27009.D 011205T.M Thu Dec 20 10:27:18 2001

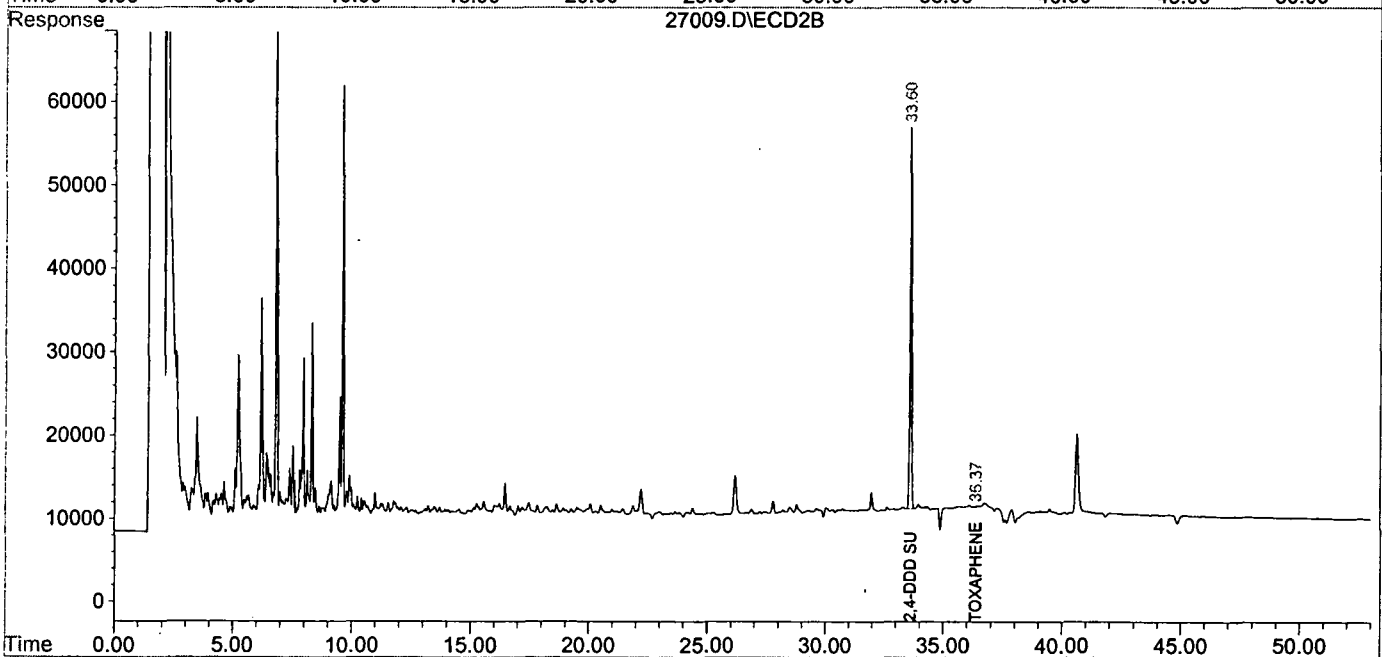
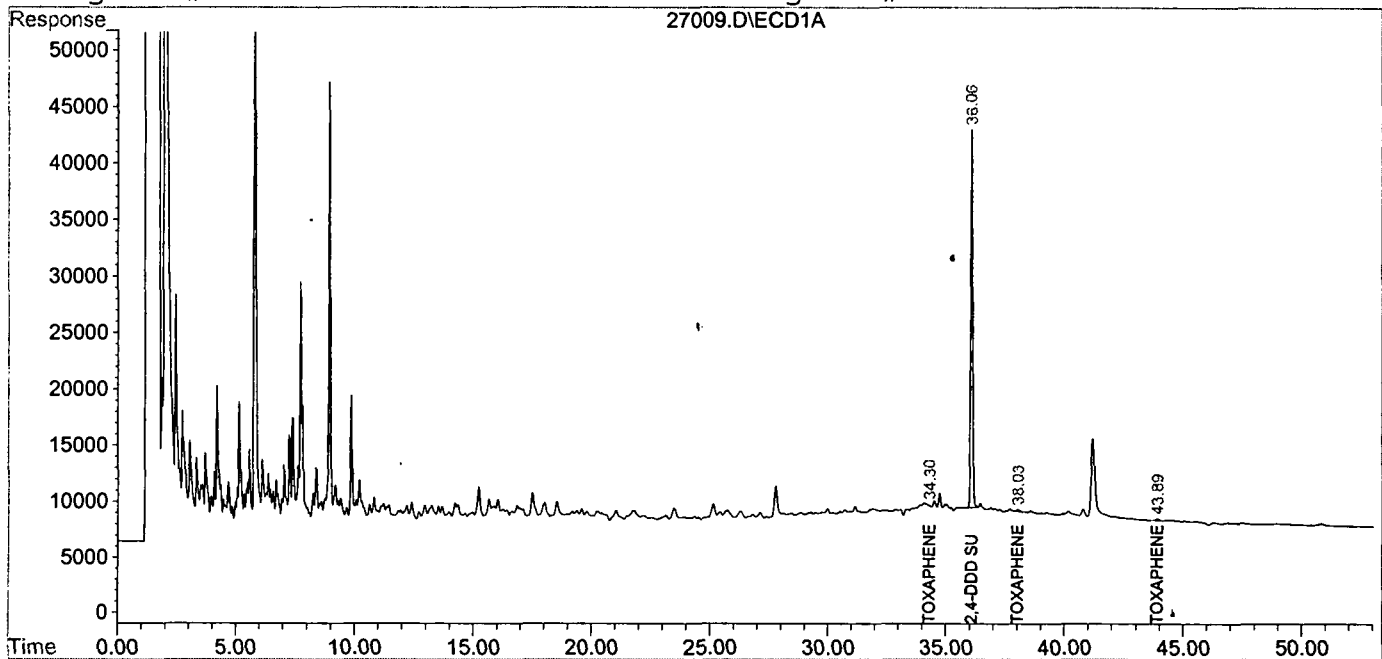
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# Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
 Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
 Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
 Sample : sample Inst : 104  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Dec 20 10:27 2001 Quant Results File: 011205T.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\011205T.M (Chemstation Integrator)  
 Title : 508 CHLORINATED PESTICIDES TOXAPHENE7/28/99  
 Last Update : Fri Nov 09 16:13:01 2001  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 508F2.M

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



## Quantitation Report

(QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
Sample : sample Inst : 104  
Misc : Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Dec 20 11:22 2001 Quant Results File: PCB1248.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\PCB1248.M (Chemstation Integrator  
Title : 508 CHLORINATED PESTICIDES 4/23/99  
Last Update : Thu Dec 20 11:14:20 2001  
Response via : Initial Calibration  
DataAcq Meth : 508F2.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 |        |        |          |         |         |         |
| 6) S 2,4-DDD SURROGAT       | 36.06  | 33.60  | 1989720  | 2307609 | 0.342   | 0.401   |
| Spiked Amount               | 0.200  |        | Recovery | =       | 171.00% | 200.50% |
| Target Compounds            |        |        |          |         |         |         |
| 1) PEAK 1                   | 29.73  | 17.65  | 2381     | 2070    | 0.005   | 0.010 # |
| 2) PEAK 2                   | 31.29  | 21.00  | 2293     | 19803   | 0.005   | 0.033 # |
| 3) PEAK 3                   | 31.87  | 25.27f | 574      | 13534   | 0.001   | 0.022 # |
| 4) PEAK 4                   | 33.07f | 27.79  | 19610    | 84248   | 0.043   | 0.276 # |
| 5) PEAK 5                   | 35.54  | 32.62f | 16031    | 9471    | 0.064   | 0.036 # |

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

27009.D PCB1248.M Thu Dec 20 11:22:58 2001

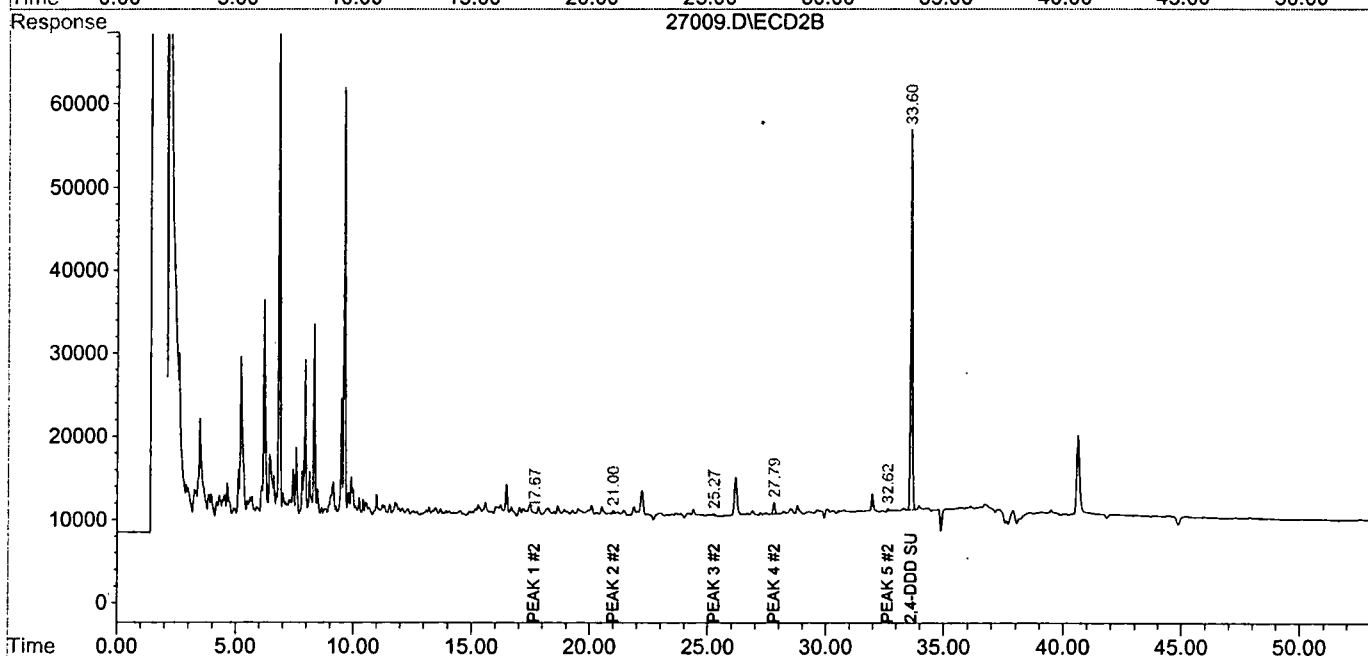
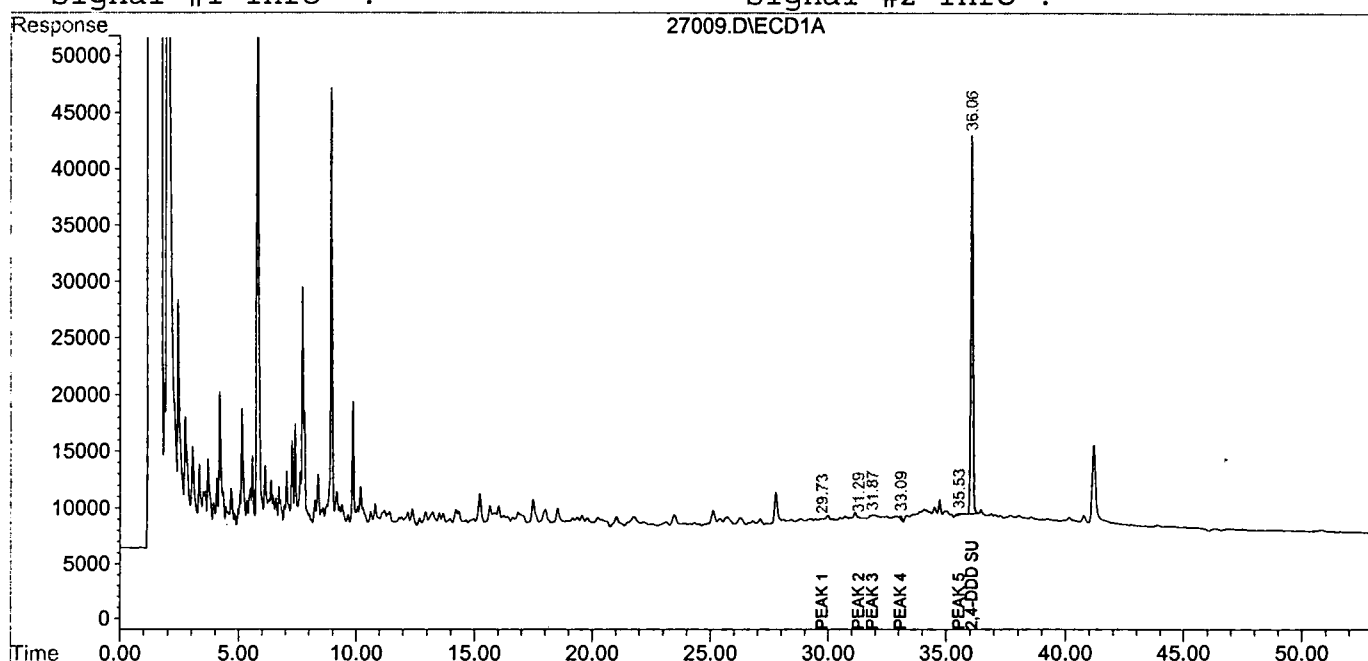
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# Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD1A.CH Vial: 92  
 Signal #2 : C:\HPCHEM\1\DATA\508104\011203\27009.D\ECD2B.CH  
 Acq On : 5 Dec 2001 1:30 pm Operator: Nefliu  
 Sample : sample Inst : 104  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Dec 20 11:22 2001 Quant Results File: PCB1248.RES

Quant Method : C:\HPCHEM\1\METHODS\508104\PCB1248.M (Chemstation Integrator)  
 Title : 508 CHLORINATED PESTICIDES 4/23/99  
 Last Update : Thu Dec 20 11:14:20 2001  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 508F2.M

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



• **Comments for Sample AD27009 - Analysis \$508**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-24-2001 Time: 11:01:30

Recoveries for 2 of the 11 compounds in the LCS Standard were above their acceptance ranges. The recovery for 1 of the 11 compounds in the Spiked Sample was above its acceptance range. The recovery for the Surrogate Standard in this sample was above its acceptance range. It may have inadvertently been added twice to this sample.