

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL060524\  
 Data File : PL089983.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 Jun 2024 13:42  
 Operator : AR\AJ  
 Sample : P2704-05MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 WCS-TPUMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 06 02:50:21 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052424.M  
 Quant Title : GC Extractables  
 QLast Update : Fri May 24 14:57:01 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-----------------|--------|-------|----------|----------|---------|-----------|
| -----                       |                 |        |       |          |          |         |           |
| System Monitoring Compounds |                 |        |       |          |          |         |           |
| 1)                          | SA Tetrachlo... | 3.548  | 2.793 | 40931326 | 26335563 | 19.549  | 18.367    |
| 2)                          | SA Decachlor... | 9.064  | 7.942 | 20045580 | 21284543 | 13.633  | 14.323    |
| Target Compounds            |                 |        |       |          |          |         |           |
| 2)                          | A alpha-BHC     | 4.004  | 3.298 | 121.2E6  | 98226058 | 40.662  | 45.951    |
| 3)                          | MA gamma-BHC... | 4.337  | 3.629 | 124.9E6  | 97514489 | 42.967  | 46.623    |
| 4)                          | MA Heptachlor   | 4.927  | 3.970 | 116.9E6  | 93131990 | 44.798  | 46.665    |
| 5)                          | MB Aldrin       | 5.268  | 4.251 | 111.2E6  | 98431888 | 41.837  | 49.260    |
| 6)                          | B beta-BHC      | 4.532  | 3.927 | 58389473 | 42669779 | 44.703  | 46.643    |
| 7)                          | B delta-BHC     | 4.779  | 4.157 | 96794944 | 72858050 | 35.137  | 36.150    |
| 8)                          | B Heptachlo...  | 5.694  | 4.754 | 105.3E6  | 84955876 | 42.279  | 46.292    |
| 9)                          | A Endosulfan I  | 6.080  | 5.125 | 96818929 | 71426848 | 42.869  | 41.810    |
| 10)                         | B gamma-Chl...  | 5.950  | 5.004 | 98438577 | 86825183 | 40.705  | 46.584    |
| 11)                         | B alpha-Chl...  | 6.029  | 5.068 | 101.8E6  | 86236174 | 42.399  | 45.962    |
| 12)                         | B 4,4'-DDE      | 6.201  | 5.257 | 77408097 | 77854696 | 35.584  | 46.601 #  |
| 13)                         | MA Dieldrin     | 6.354  | 5.389 | 96042551 | 84874722 | 40.512  | 46.062    |
| 14)                         | MA Endrin       | 6.584  | 5.664 | 79575309 | 80402085 | 39.580  | 49.086    |
| 15)                         | B Endosulfa...  | 6.803  | 5.958 | 90295932 | 72342997 | 43.313  | 44.920    |
| 16)                         | A 4,4'-DDD      | 6.717  | 5.812 | 93381592 | 73266098 | 53.311  | 51.977    |
| 17)                         | MA 4,4'-DDT     | 7.032  | 6.063 | 72035398 | 62856583 | 39.126  | 41.391    |
| 18)                         | B Endrin al...  | 6.933  | 6.138 | 67249156 | 57723823 | 43.384  | 47.566    |
| 19)                         | B Endosulfa...  | 7.167  | 6.360 | 73434864 | 66272136 | 38.371  | 42.140    |
| 20)                         | A Methoxychlor  | 7.506  | 6.638 | 37836529 | 37354889 | 38.523  | 41.992    |
| 21)                         | B Endrin ke...  | 7.651  | 6.866 | 85945957 | 75907909 | 40.816  | 41.654    |
| 22)                         | Mirex           | 8.127  | 7.049 | 56872839 | 59559781 | 34.186  | 38.782    |
| 23)                         | Chlordane-1     | 0.000  | 3.809 | 0        | 2032724  | N.D.    | 30.995 #  |
| 24)                         | Chlordane-2     | 5.268f | 4.386 | 111.2E6  | 404875   | 925.874 | 5.075 #   |
| 25)                         | Chlordane-3     | 5.950  | 5.004 | 98438577 | 86825183 | 246.005 | 390.066 # |
| 26)                         | Chlordane-4     | 6.029  | 5.068 | 101.8E6  | 86236174 | 208.323 | 407.856 # |
| -----                       |                 |        |       |          |          |         |           |

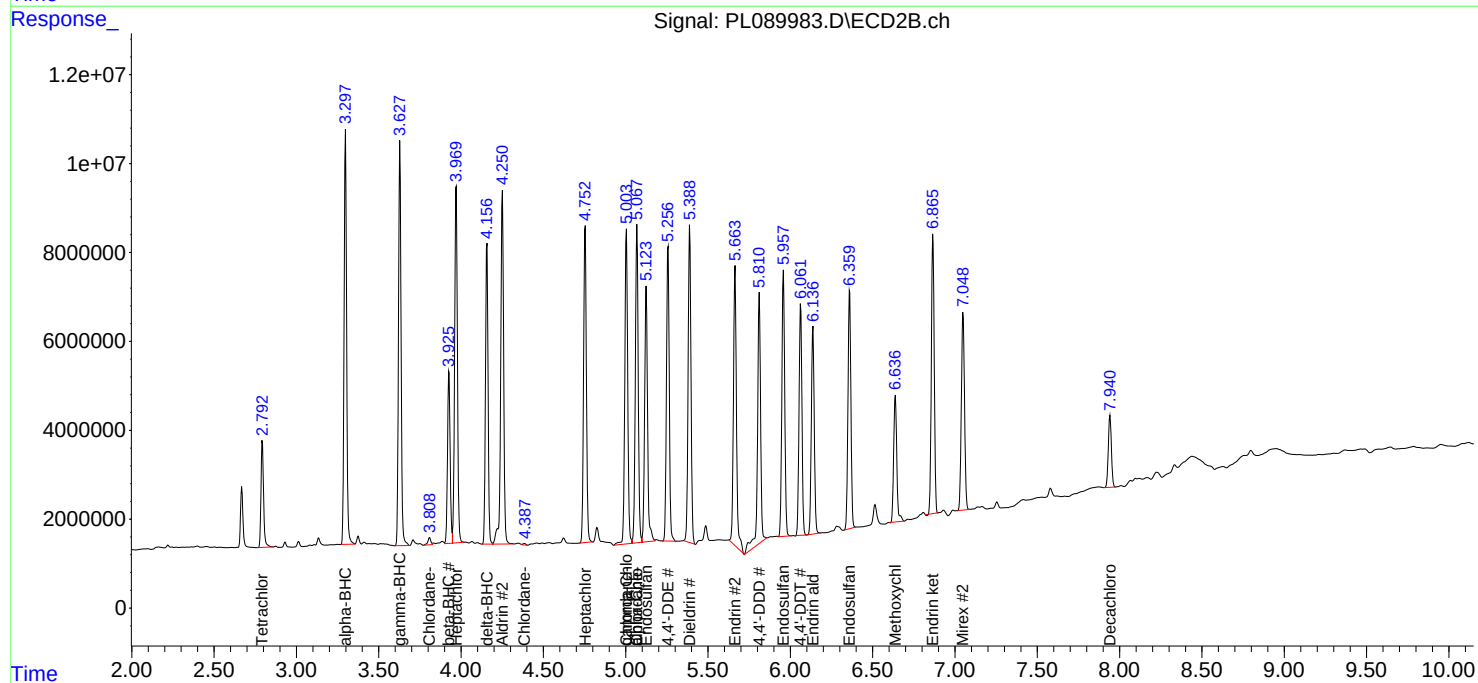
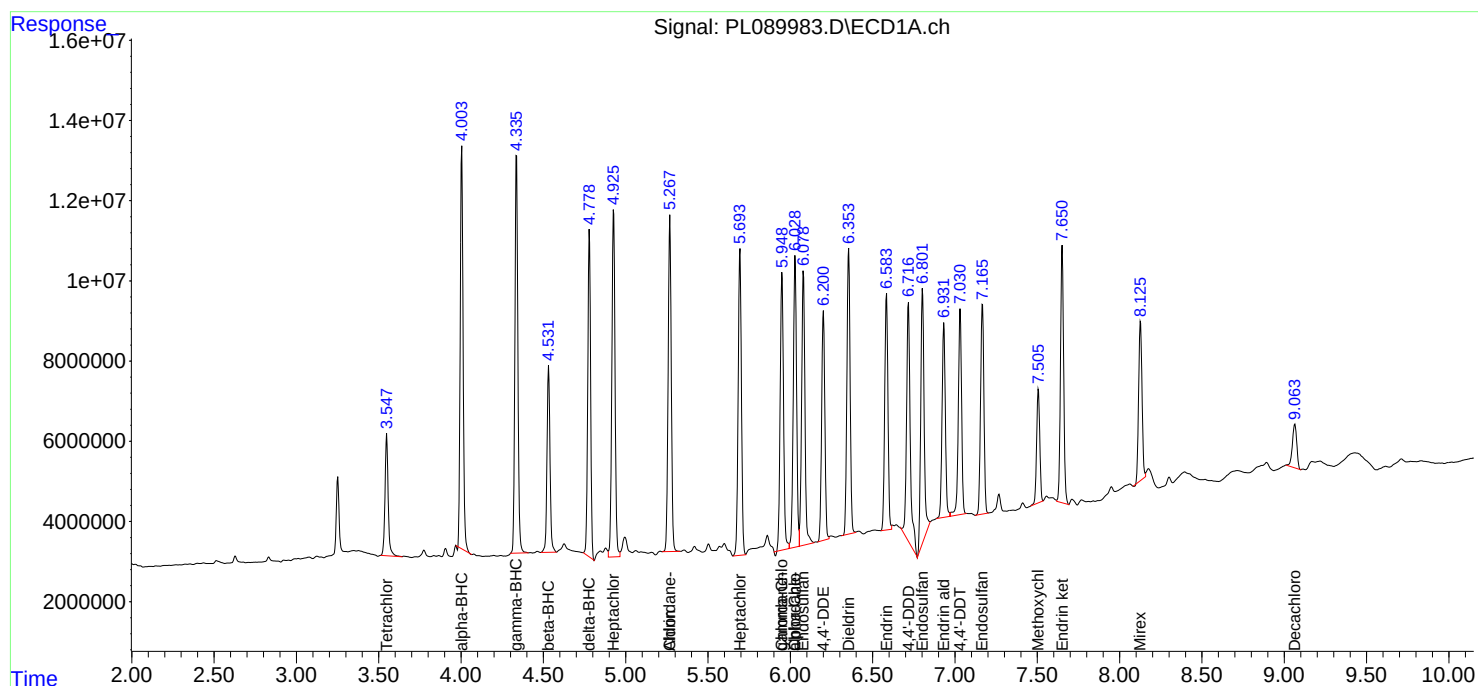
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

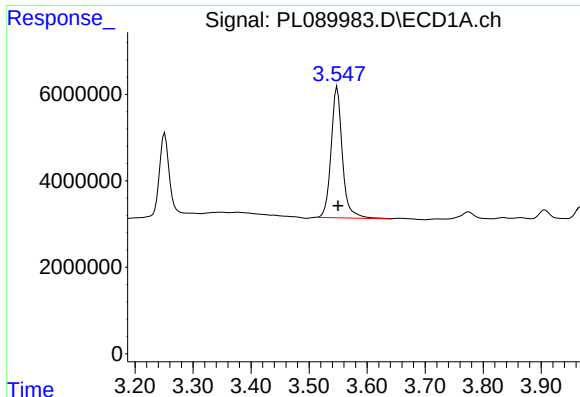
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL060524\  
Data File : PL089983.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 05 Jun 2024 13:42  
Operator : AR\AJ  
Sample : P2704-05MSD  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 06 02:50:21 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052424.M  
Quant Title : GC Extractables  
QLast Update : Fri May 24 14:57:01 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

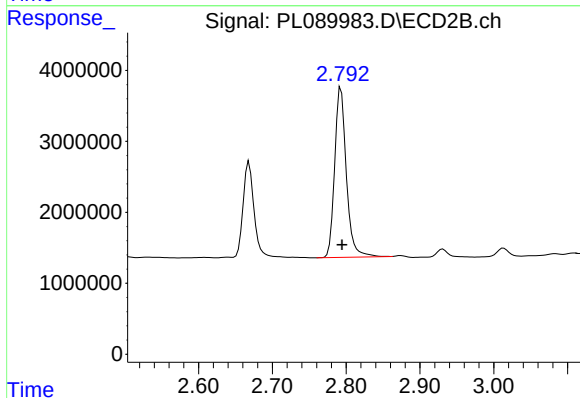




#1 Tetrachloro-m-xylene

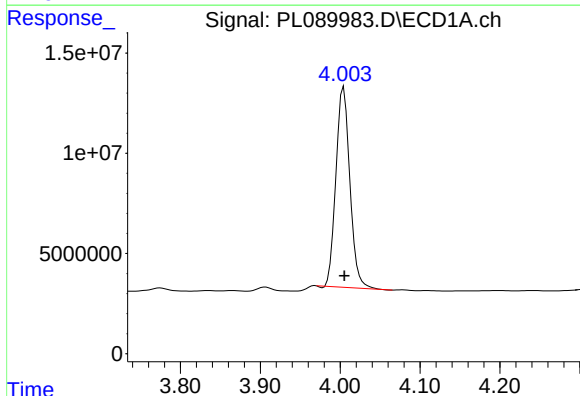
R.T.: 3.548 min  
Delta R.T.: -0.002 min  
Response: 40931326  
Conc: 19.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



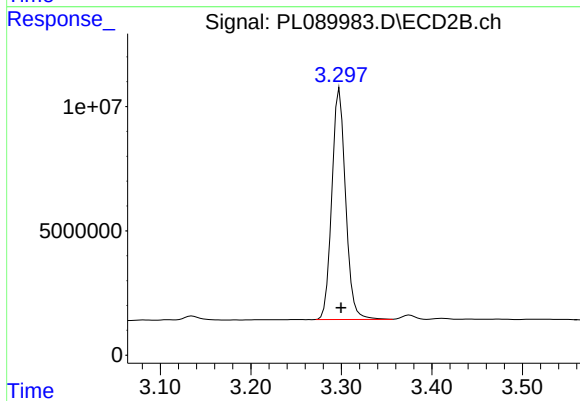
#1 Tetrachloro-m-xylene

R.T.: 2.793 min  
Delta R.T.: -0.002 min  
Response: 26335563  
Conc: 18.37 ng/ml



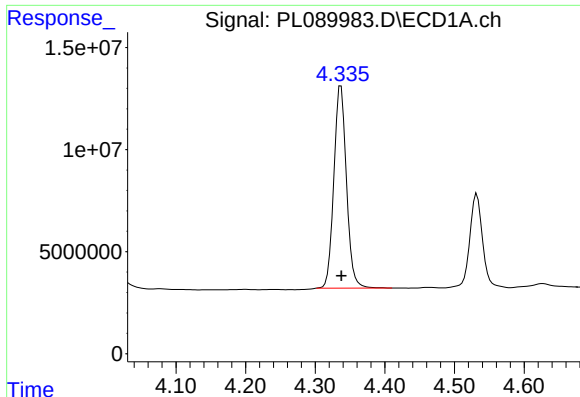
#2 alpha-BHC

R.T.: 4.004 min  
Delta R.T.: 0.000 min  
Response: 121233376  
Conc: 40.66 ng/ml



#2 alpha-BHC

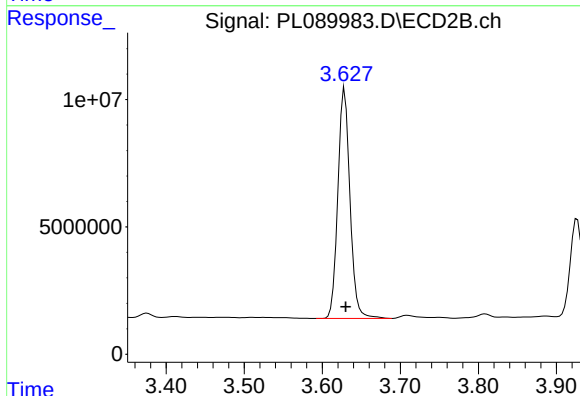
R.T.: 3.298 min  
Delta R.T.: -0.001 min  
Response: 98226058  
Conc: 45.95 ng/ml



#3 gamma-BHC (Lindane)

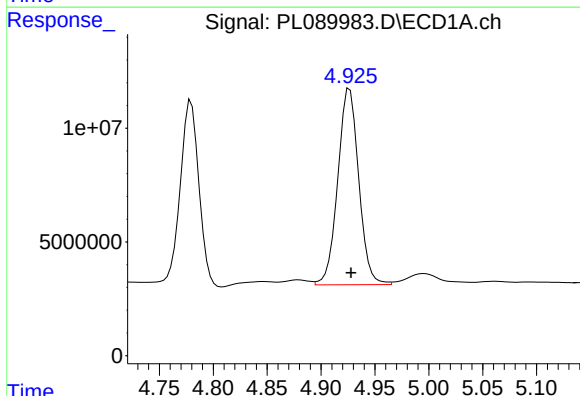
R.T.: 4.337 min  
Delta R.T.: 0.000 min  
Response: 124871445  
Conc: 42.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



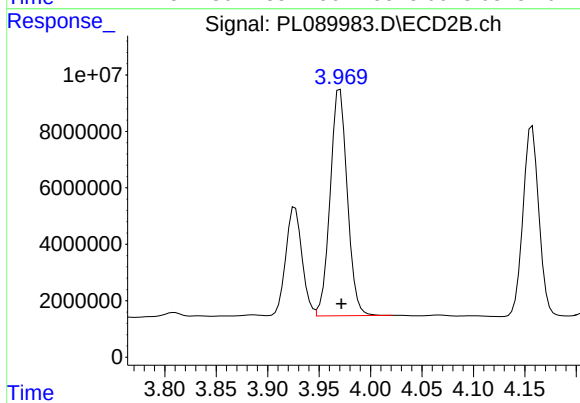
#3 gamma-BHC (Lindane)

R.T.: 3.629 min  
Delta R.T.: -0.001 min  
Response: 97514489  
Conc: 46.62 ng/ml



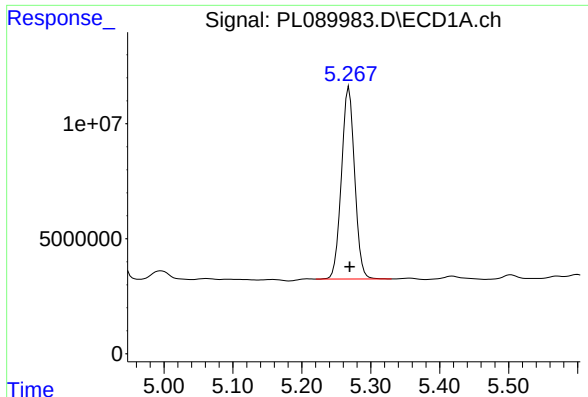
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: -0.001 min  
Response: 116943936  
Conc: 44.80 ng/ml



#4 Heptachlor

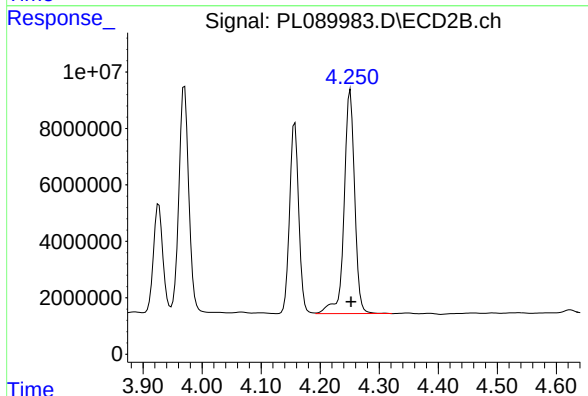
R.T.: 3.970 min  
Delta R.T.: -0.001 min  
Response: 93131990  
Conc: 46.66 ng/ml



#5 Aldrin

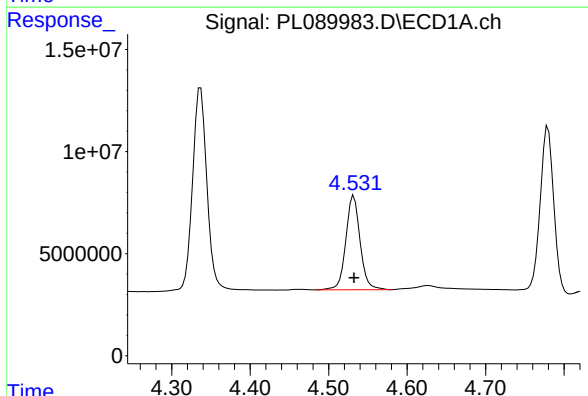
R.T.: 5.268 min  
Delta R.T.: -0.001 min  
Response: 111192002  
Conc: 41.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



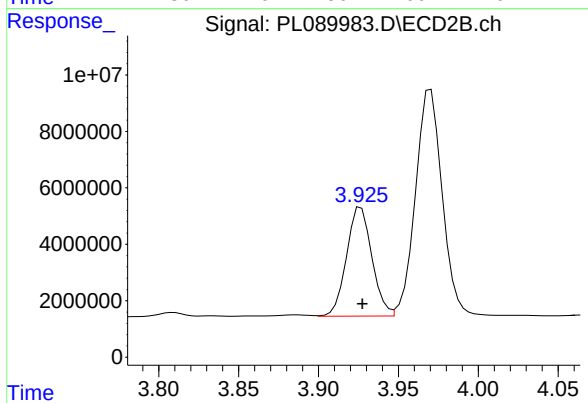
#5 Aldrin

R.T.: 4.251 min  
Delta R.T.: -0.001 min  
Response: 98431888  
Conc: 49.26 ng/ml



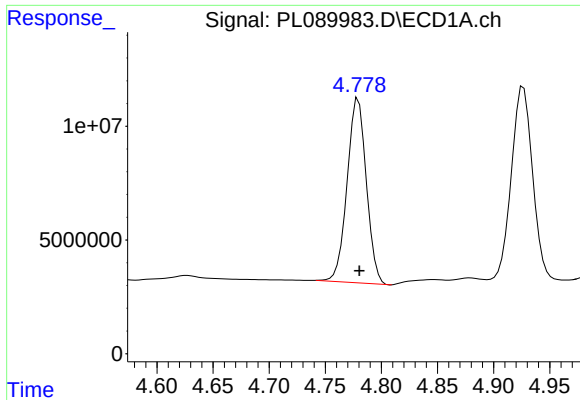
#6 beta-BHC

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 58389473  
Conc: 44.70 ng/ml



#6 beta-BHC

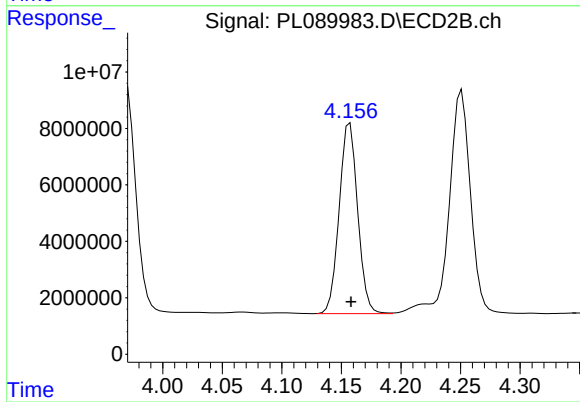
R.T.: 3.927 min  
Delta R.T.: 0.000 min  
Response: 42669779  
Conc: 46.64 ng/ml



#7 delta-BHC

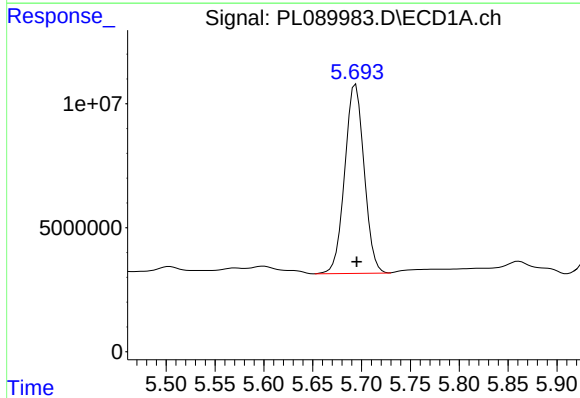
R.T.: 4.779 min  
Delta R.T.: -0.001 min  
Response: 96794944  
Conc: 35.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



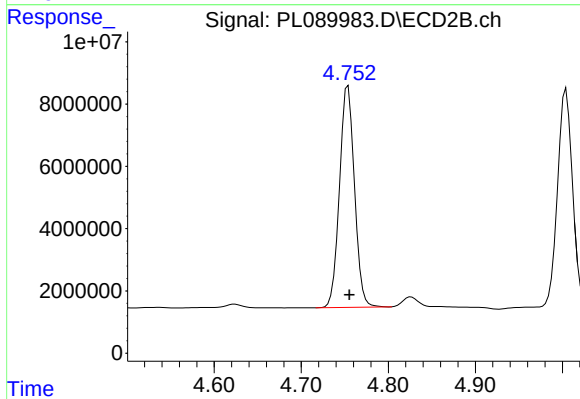
#7 delta-BHC

R.T.: 4.157 min  
Delta R.T.: -0.001 min  
Response: 72858050  
Conc: 36.15 ng/ml



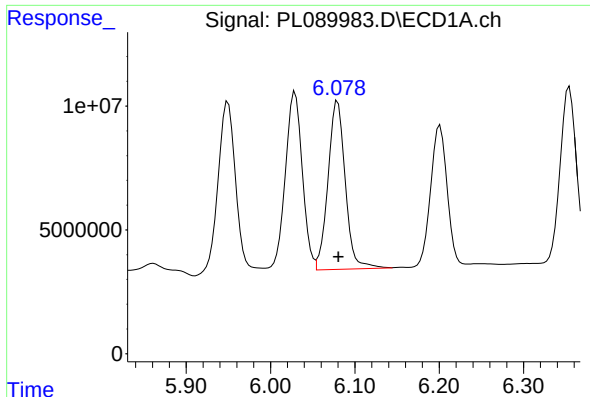
#8 Heptachlor epoxide

R.T.: 5.694 min  
Delta R.T.: -0.001 min  
Response: 105306677  
Conc: 42.28 ng/ml



#8 Heptachlor epoxide

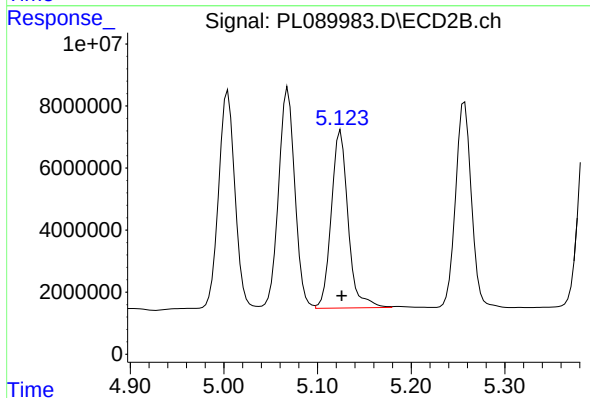
R.T.: 4.754 min  
Delta R.T.: -0.002 min  
Response: 84955876  
Conc: 46.29 ng/ml



#9 Endosulfan I

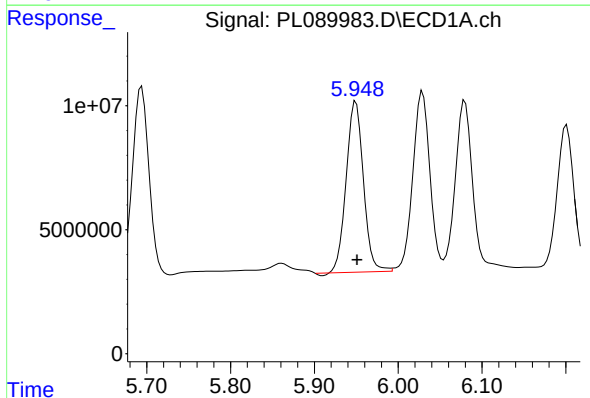
R.T.: 6.080 min  
Delta R.T.: 0.000 min  
Response: 96818929  
Conc: 42.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



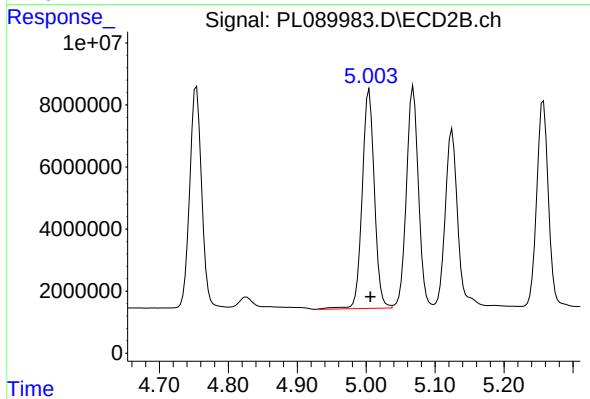
#9 Endosulfan I

R.T.: 5.125 min  
Delta R.T.: -0.001 min  
Response: 71426848  
Conc: 41.81 ng/ml



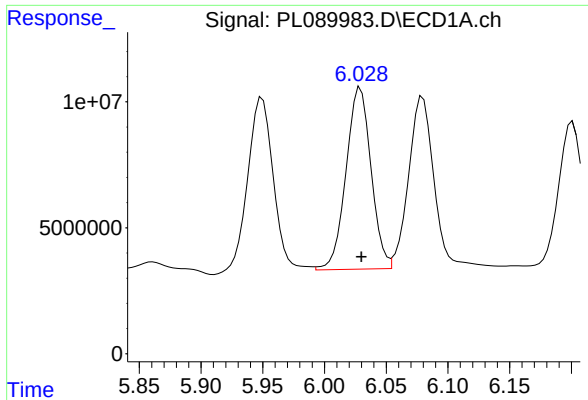
#10 gamma-Chlordane

R.T.: 5.950 min  
Delta R.T.: -0.001 min  
Response: 98438577  
Conc: 40.71 ng/ml



#10 gamma-Chlordane

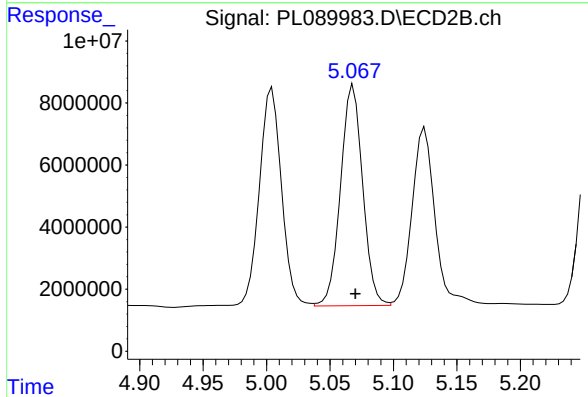
R.T.: 5.004 min  
Delta R.T.: -0.002 min  
Response: 86825183  
Conc: 46.58 ng/ml



#11 alpha-Chlordane

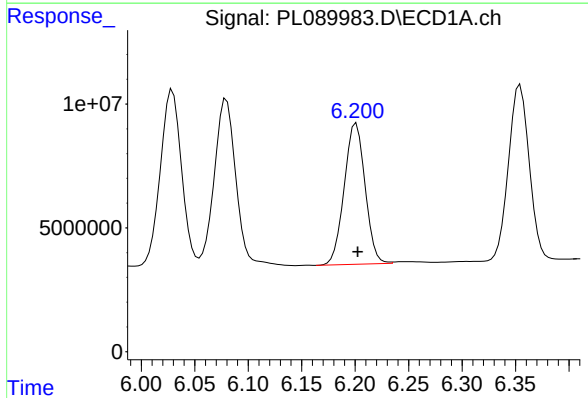
R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 101845471  
Conc: 42.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



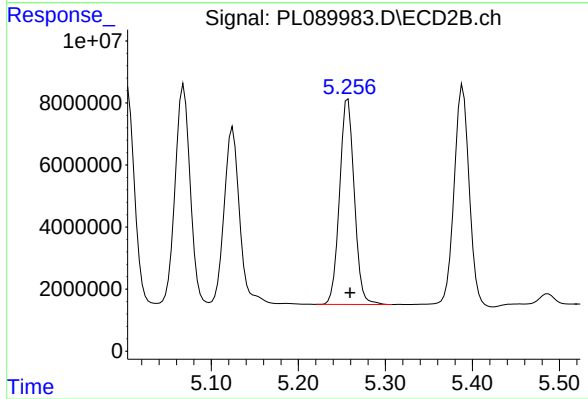
#11 alpha-Chlordane

R.T.: 5.068 min  
Delta R.T.: -0.002 min  
Response: 86236174  
Conc: 45.96 ng/ml



#12 4,4'-DDE

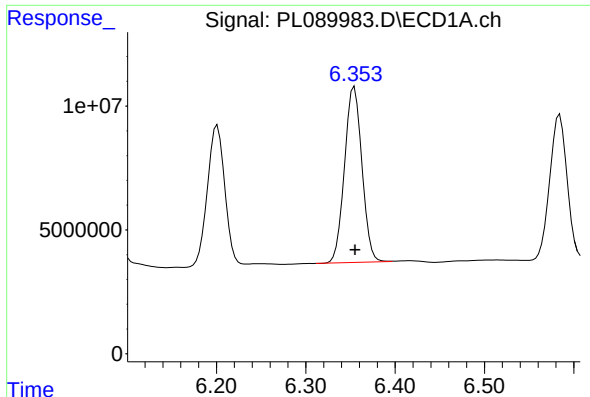
R.T.: 6.201 min  
Delta R.T.: -0.001 min  
Response: 77408097  
Conc: 35.58 ng/ml



#12 4,4'-DDE

R.T.: 5.257 min  
Delta R.T.: -0.002 min  
Response: 77854696  
Conc: 46.60 ng/ml

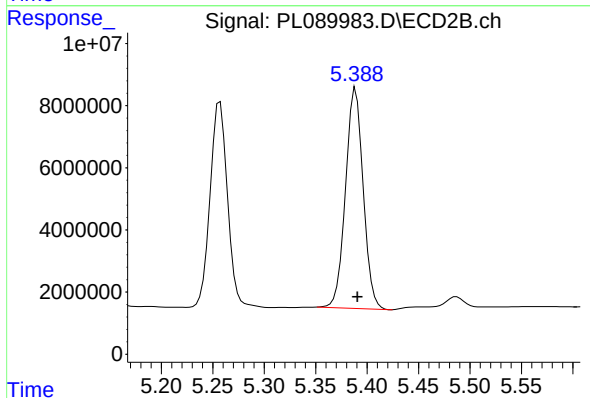




#13 Dieldrin

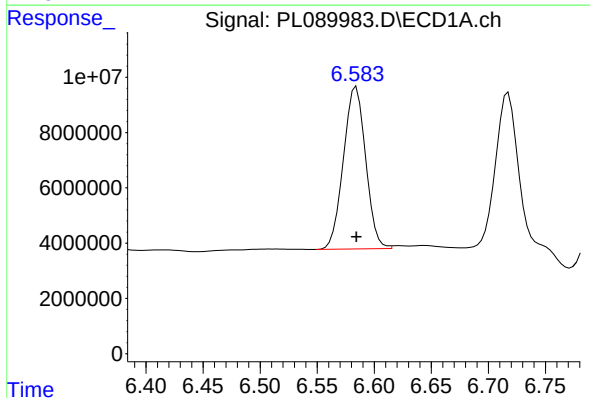
R.T.: 6.354 min  
Delta R.T.: 0.000 min  
Response: 96042551  
Conc: 40.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



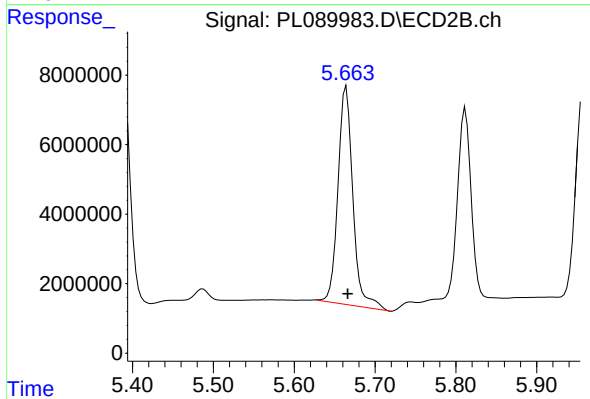
#13 Dieldrin

R.T.: 5.389 min  
Delta R.T.: -0.002 min  
Response: 84874722  
Conc: 46.06 ng/ml



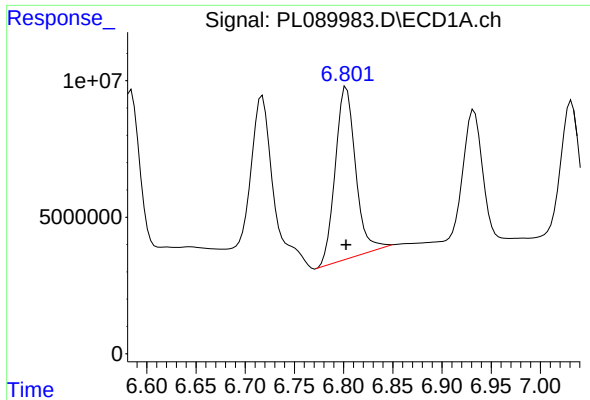
#14 Endrin

R.T.: 6.584 min  
Delta R.T.: 0.000 min  
Response: 79575309  
Conc: 39.58 ng/ml



#14 Endrin

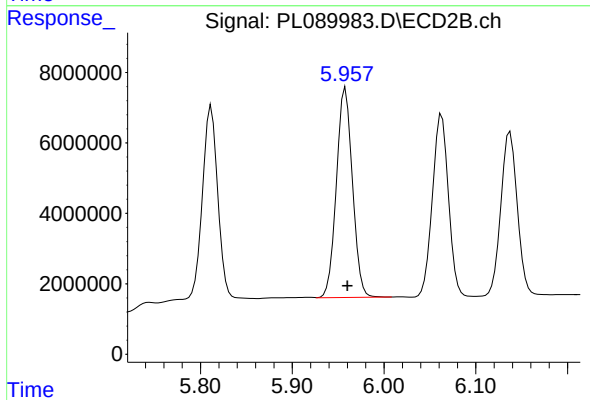
R.T.: 5.664 min  
Delta R.T.: -0.002 min  
Response: 80402085  
Conc: 49.09 ng/ml



#15 Endosulfan II

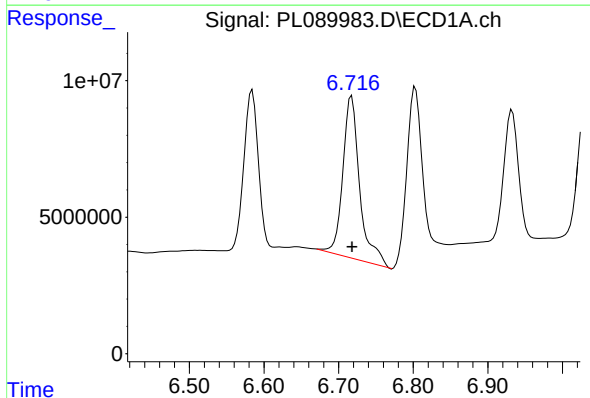
R.T.: 6.803 min  
Delta R.T.: 0.000 min  
Response: 90295932  
Conc: 43.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



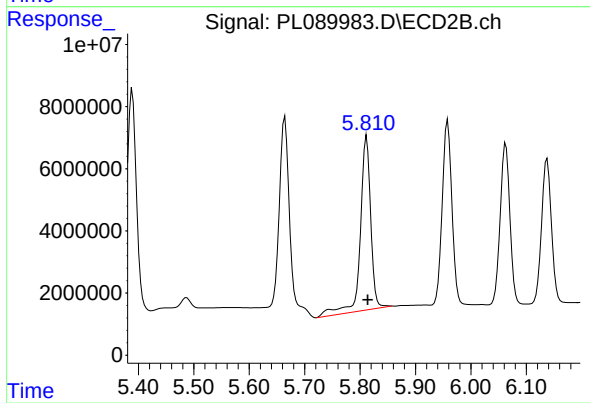
#15 Endosulfan II

R.T.: 5.958 min  
Delta R.T.: -0.002 min  
Response: 72342997  
Conc: 44.92 ng/ml



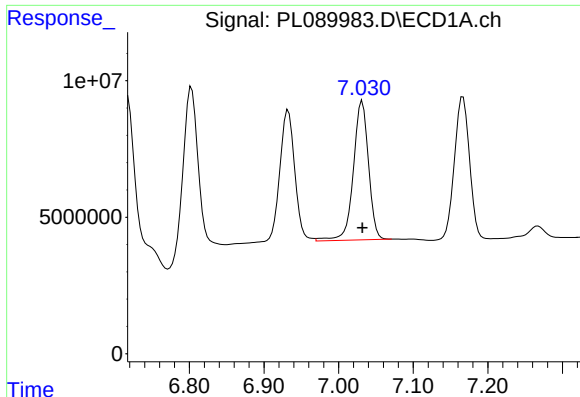
#16 4,4'-DDD

R.T.: 6.717 min  
Delta R.T.: 0.000 min  
Response: 93381592  
Conc: 53.31 ng/ml



#16 4,4'-DDD

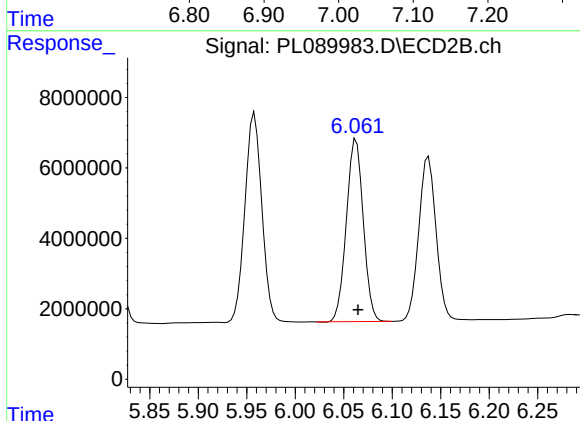
R.T.: 5.812 min  
Delta R.T.: -0.002 min  
Response: 73266098  
Conc: 51.98 ng/ml



#17 4,4'-DDT

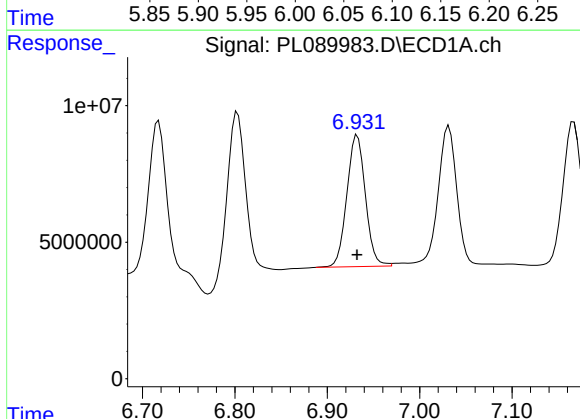
R.T.: 7.032 min  
Delta R.T.: 0.000 min  
Response: 72035398  
Conc: 39.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



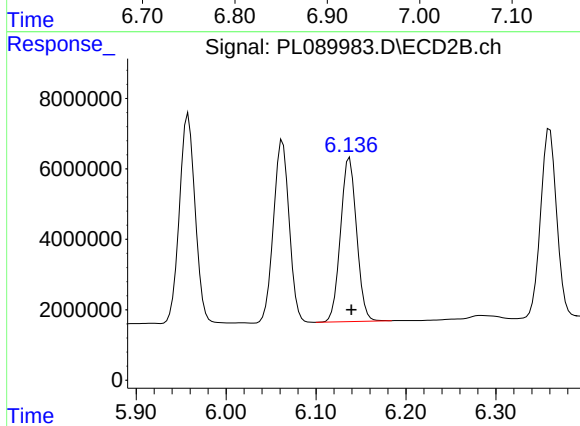
#17 4,4'-DDT

R.T.: 6.063 min  
Delta R.T.: -0.002 min  
Response: 62856583  
Conc: 41.39 ng/ml



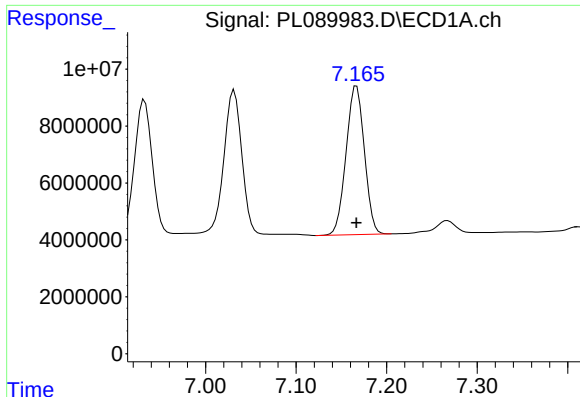
#18 Endrin aldehyde

R.T.: 6.933 min  
Delta R.T.: 0.000 min  
Response: 67249156  
Conc: 43.38 ng/ml



#18 Endrin aldehyde

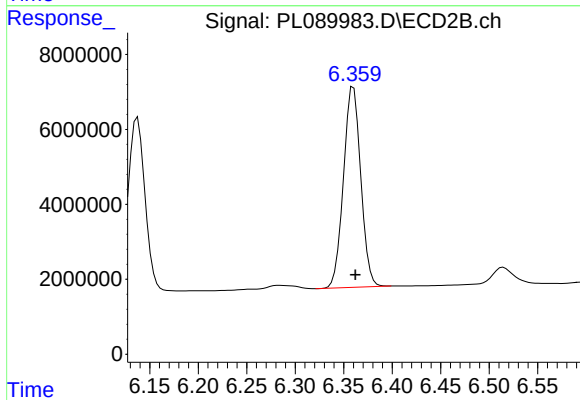
R.T.: 6.138 min  
Delta R.T.: -0.002 min  
Response: 57723823  
Conc: 47.57 ng/ml



#19 Endosulfan Sulfate

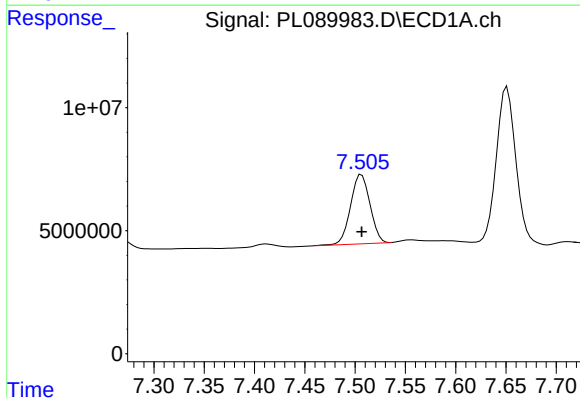
R.T.: 7.167 min  
Delta R.T.: 0.000 min  
Response: 73434864  
Conc: 38.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



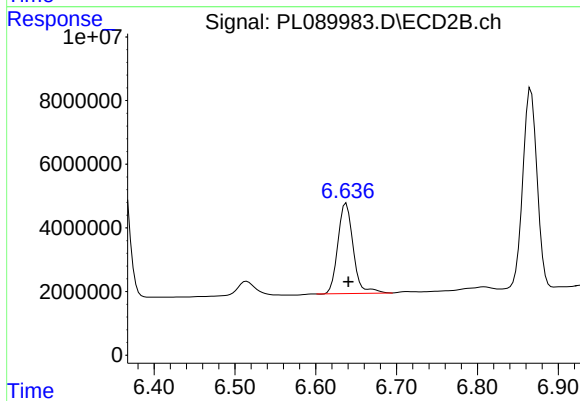
#19 Endosulfan Sulfate

R.T.: 6.360 min  
Delta R.T.: -0.002 min  
Response: 66272136  
Conc: 42.14 ng/ml



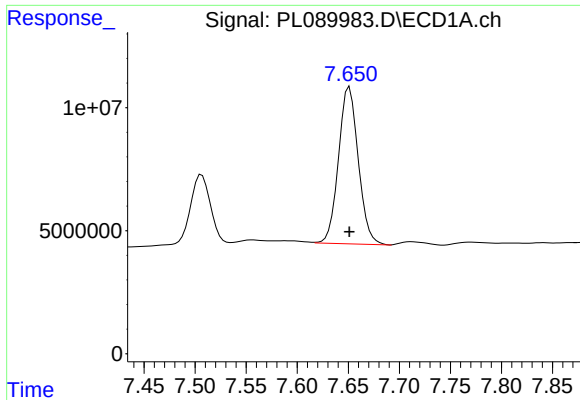
#20 Methoxychlor

R.T.: 7.506 min  
Delta R.T.: 0.000 min  
Response: 37836529  
Conc: 38.52 ng/ml



#20 Methoxychlor

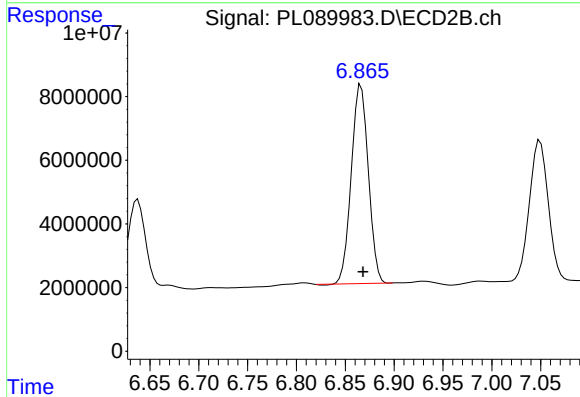
R.T.: 6.638 min  
Delta R.T.: -0.003 min  
Response: 37354889  
Conc: 41.99 ng/ml



#21 Endrin ketone

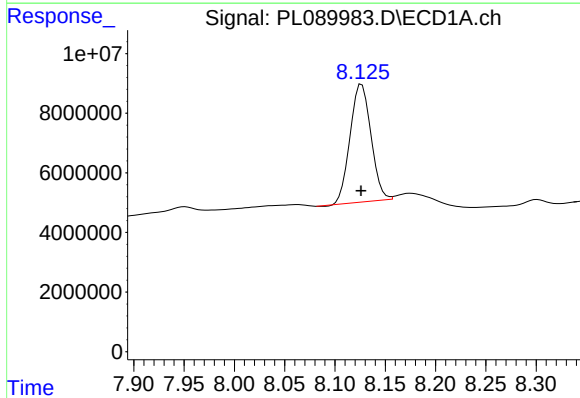
R.T.: 7.651 min  
Delta R.T.: 0.000 min  
Response: 85945957  
Conc: 40.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



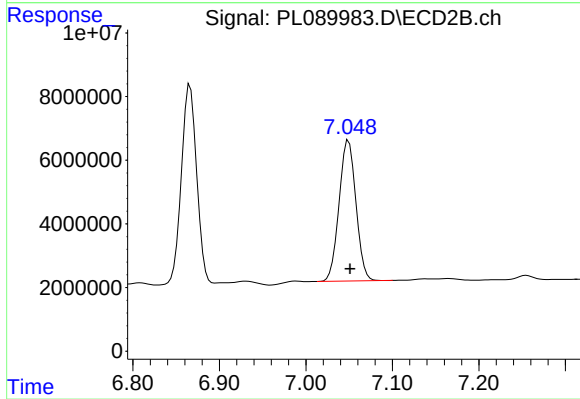
#21 Endrin ketone

R.T.: 6.866 min  
Delta R.T.: -0.002 min  
Response: 75907909  
Conc: 41.65 ng/ml



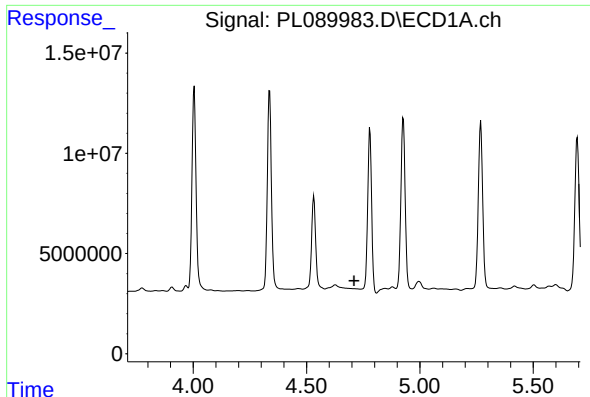
#22 Mirex

R.T.: 8.127 min  
Delta R.T.: 0.000 min  
Response: 56872839  
Conc: 34.19 ng/ml



#22 Mirex

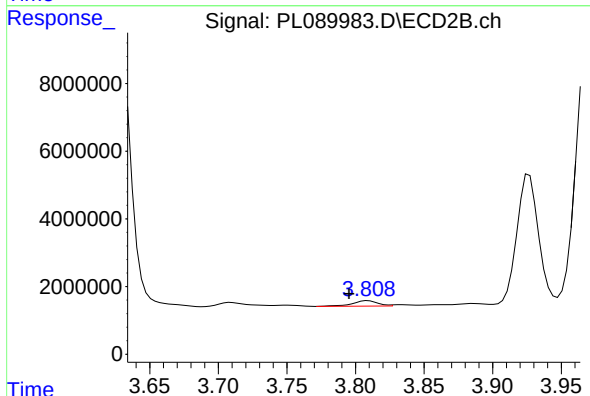
R.T.: 7.049 min  
Delta R.T.: -0.002 min  
Response: 59559781  
Conc: 38.78 ng/ml



#23 Chlordane-1

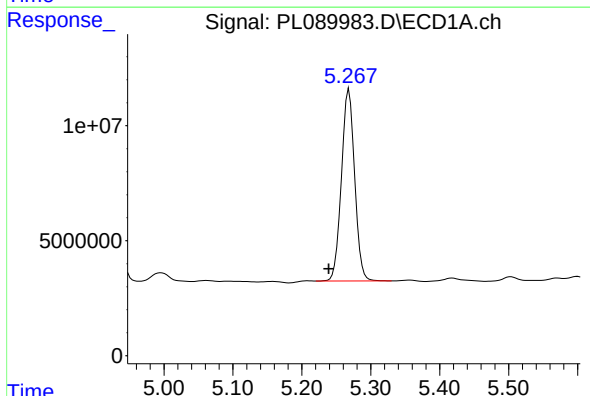
R.T.: 0.000 min  
Exp R.T.: 4.710 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



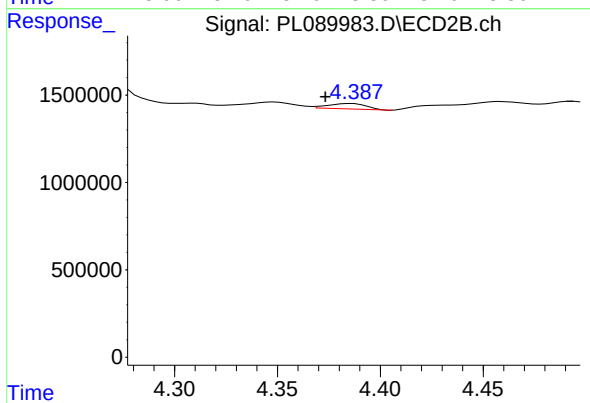
#23 Chlordane-1

R.T.: 3.809 min  
Delta R.T.: 0.014 min  
Response: 2032724  
Conc: 30.99 ng/ml



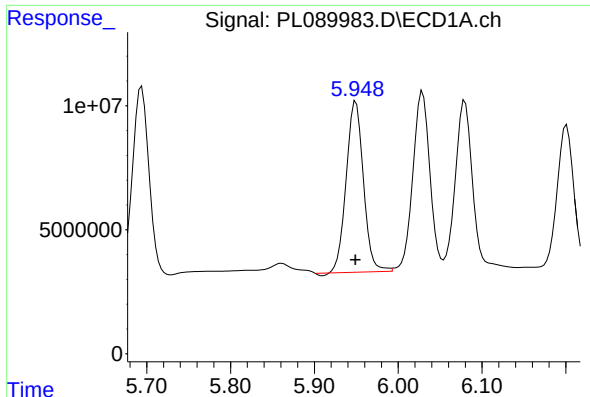
#24 Chlordane-2

R.T.: 5.268 min  
Delta R.T.: 0.029 min  
Response: 111192002  
Conc: 925.87 ng/ml



#24 Chlordane-2

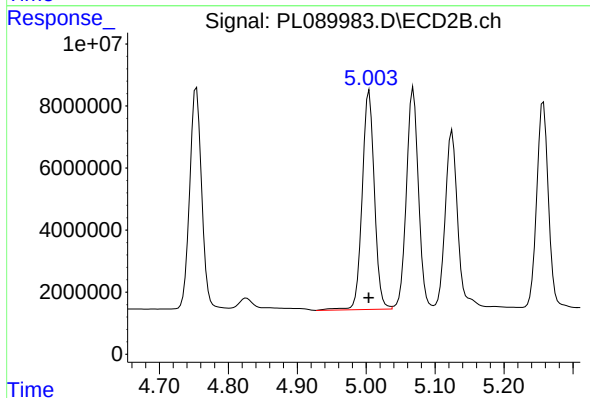
R.T.: 4.386 min  
Delta R.T.: 0.013 min  
Response: 404875  
Conc: 5.08 ng/ml



#25 Chlordane-3

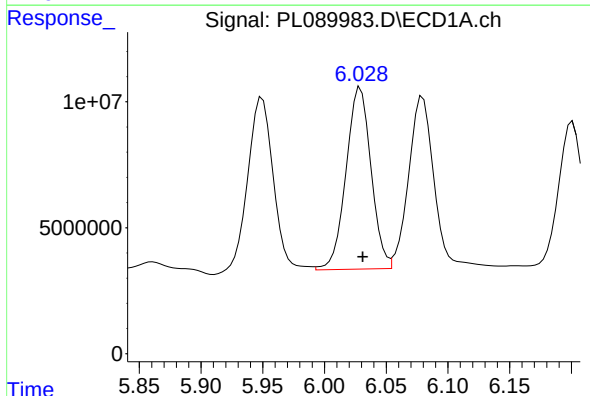
R.T.: 5.950 min  
Delta R.T.: 0.000 min  
Response: 98438577  
Conc: 246.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



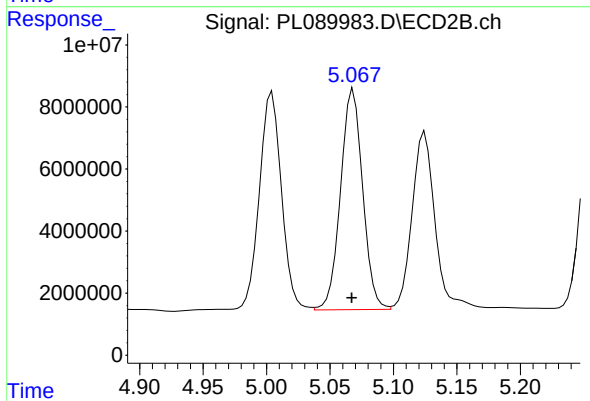
#25 Chlordane-3

R.T.: 5.004 min  
Delta R.T.: 0.000 min  
Response: 86825183  
Conc: 390.07 ng/ml



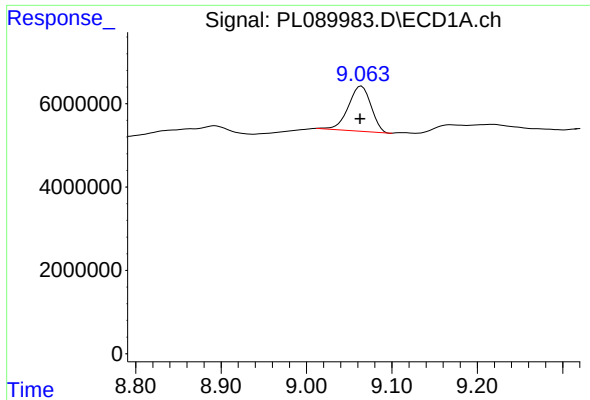
#26 Chlordane-4

R.T.: 6.029 min  
Delta R.T.: -0.002 min  
Response: 101845471  
Conc: 208.32 ng/ml



#26 Chlordane-4

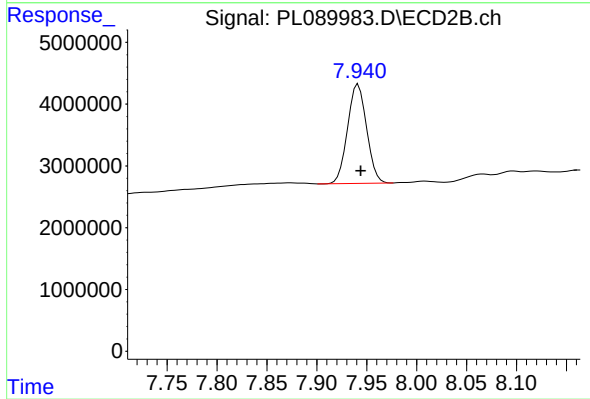
R.T.: 5.068 min  
Delta R.T.: 0.001 min  
Response: 86236174  
Conc: 407.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min  
Delta R.T.: 0.002 min  
Response: 20045580  
Conc: 13.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WCS-TPUMSD



#28 Decachlorobiphenyl

R.T.: 7.942 min  
Delta R.T.: -0.002 min  
Response: 21284543  
Conc: 14.32 ng/ml