

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD021325\  
 Data File : PD087839.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Feb 2025 14:40  
 Operator : AR\AJ  
 Sample : PEM063  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 12 09:02:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD011625CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jan 16 13:39:07 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|--------|--------|----------|----------|----------|------------|
| -----                       |                 |        |        |          |          |          |            |
| System Monitoring Compounds |                 |        |        |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.554  | 2.880  | 45667825 | 289.4E6  | 22.408   | 23.400     |
| 27)                         | SA Decachlor... | 9.081  | 8.079  | 66525410 | 313.7E6  | 19.898   | 21.655     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 4.003  | 3.394  | 43809583 | 235.6E6  | 10.546   | 11.898     |
| 3)                          | MA gamma-BHC... | 4.335  | 3.731  | 41451219 | 213.6E6  | 10.305   | 11.663     |
| 4)                          | MA Heptachlor   | 4.930  | 0.000  | 52054    | 0        | <MDL     | N.D. #     |
| 5)                          | MB Aldrin       | 0.000  | 4.365  | 0        | 960239   | N.D.     | <MDL       |
| 6)                          | B beta-BHC      | 4.519  | 4.027  | 19277853 | 99515050 | 10.734   | 11.666     |
| 7)                          | B delta-BHC     | 4.763  | 4.262  | 665086   | 297550   | 0.161    | <MDL #     |
| 8)                          | B Heptachlo...  | 5.684  | 4.874  | 450536   | 239774   | 0.121    | <MDL #     |
| 9)                          | A Endosulfan I  | 6.104  | 5.241  | 55611    | 836083   | <MDL     | <MDL #     |
| 10)                         | B trans-Chl...  | 0.000  | 5.130  | 0        | 1894743  | N.D.     | 0.105      |
| 11)                         | B cis-Chlor...  | 6.104f | 5.210  | 55611    | 692892   | <MDL     | <MDL #     |
| 12)                         | B 4,4'-DDE      | 6.249f | 5.379  | -393544  | 3792168  | N.D.     | 0.232      |
| 13)                         | MA Dieldrin     | 6.372  | 5.557f | 530765   | 1669158  | 0.139    | 0.100 #    |
| 14)                         | MA Endrin       | 6.580  | 5.793  | 135.2E6  | 701.0E6  | 41.665   | 46.911     |
| 15)                         | B Endosulfa...  | 6.815  | 6.091  | 1829299  | 7866339  | 0.568    | 0.531      |
| 16)                         | A 4,4'-DDD      | 6.709  | 5.934  | 14761332 | 96113389 | 5.369    | 7.189 #    |
| 17)                         | MA 4,4'-DDT     | 7.026  | 6.188  | 259.7E6  | 1287.1E6 | 89.598   | 93.397     |
| 18)                         | B Endrin al...  | 6.920  | 6.263  | 5491527  | 34527133 | 2.179    | 2.995 #    |
| 19)                         | B Endosulfa...  | 7.156  | 6.470  | 76082    | 766677   | <MDL     | <MDL #     |
| 20)                         | A Methoxychlor  | 7.498  | 6.759  | 338.2E6  | 1476.1E6 | 213.450  | 239.650    |
| 21)                         | B Endrin ke...  | 7.635  | 6.994  | 14661051 | 86050544 | 4.259    | 5.418 #    |
| 23)                         | Toxaphene-2     | 6.461  | 6.091f | 5015     | 7866339  | 0.156    | 84.045 #   |
| 24)                         | Toxaphene-3     | 7.026f | 6.759  | 259.7E6  | 1476.1E6 | 2925.778 | 4959.154 # |
| 25)                         | Toxaphene-4     | 7.156  | 7.219  | 76082    | 2751666  | 1.165    | 12.989 #   |
| 26)                         | Toxaphene-5     | 0.000  | 7.358  | 0        | 4136095  | N.D.     | 26.671     |
| -----                       |                 |        |        |          |          |          |            |

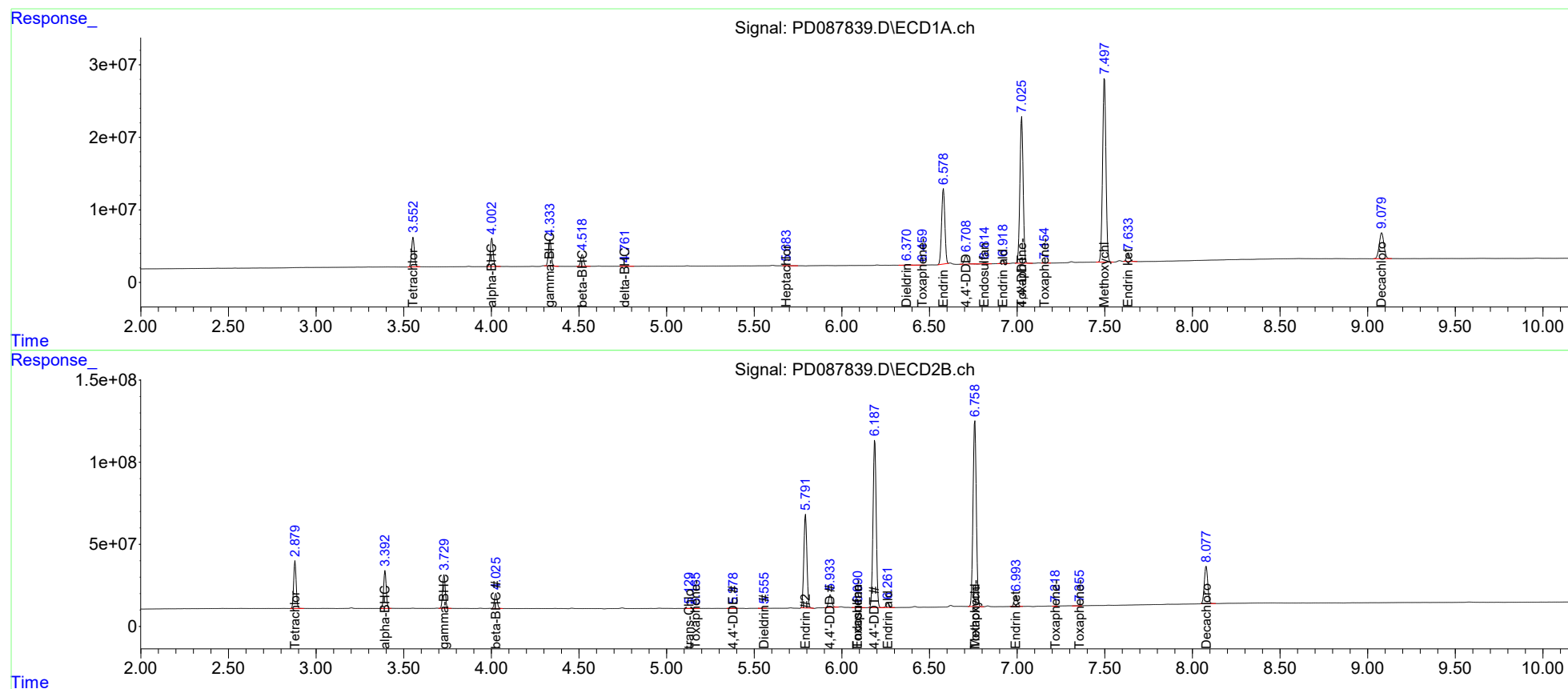
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD021325\  
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Acq On : 11 Feb 2025 14:40  
Operator : AR\AJ  
Sample : PEM063  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

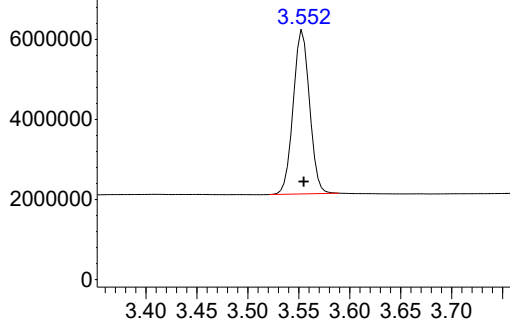
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 12 09:02:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD011625CLP.M  
Quant Title : GC Extractables  
QLast Update : Thu Jan 16 13:39:07 2025  
Response via : Initial Calibration  
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Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_

Signal: PD087839.D\ECD1A.ch



#1 Tetrachloro-m-xylene

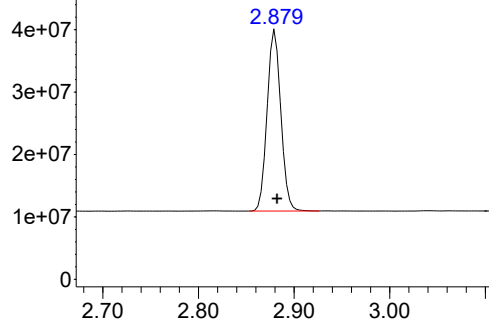
R.T.: 3.554 min  
Delta R.T.: -0.001 min  
Response: 45667825  
Conc: 22.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :

Time

Response\_

Signal: PD087839.D\ECD2B.ch



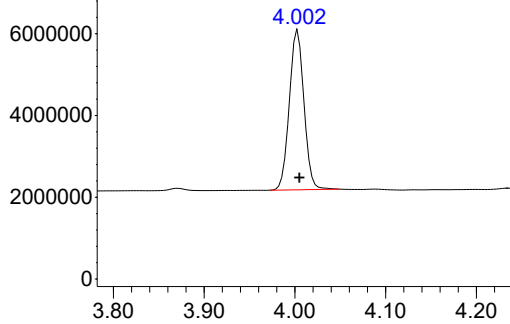
#1 Tetrachloro-m-xylene

R.T.: 2.880 min  
Delta R.T.: -0.002 min  
Response: 289406354  
Conc: 23.40 ng/ml

Time

Response\_

Signal: PD087839.D\ECD1A.ch



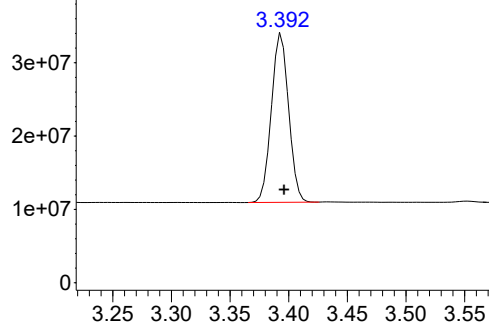
#2 alpha-BHC

R.T.: 4.003 min  
Delta R.T.: -0.002 min  
Response: 43809583  
Conc: 10.55 ng/ml

Time

Response\_

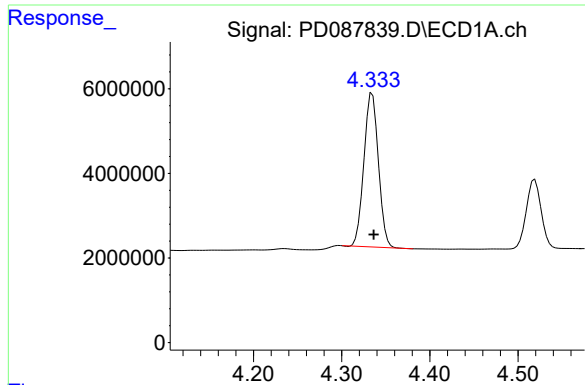
Signal: PD087839.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.394 min  
Delta R.T.: -0.003 min  
Response: 235602904  
Conc: 11.90 ng/ml

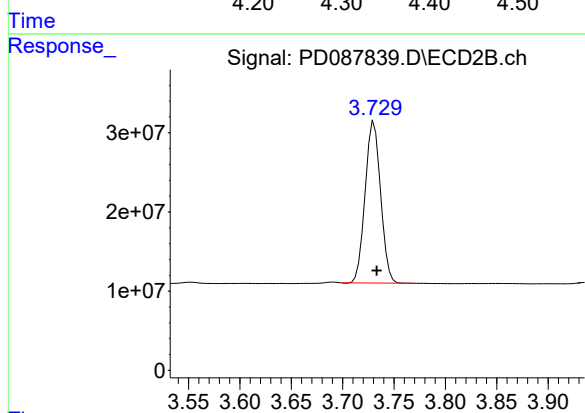
Time



#3 gamma-BHC (Lindane)

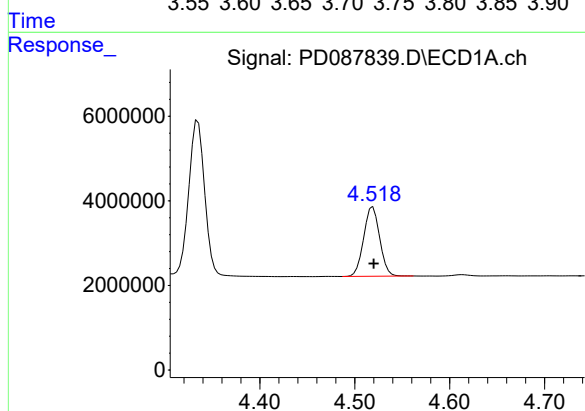
R.T.: 4.335 min  
Delta R.T.: -0.002 min  
Response: 41451219  
Conc: 10.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



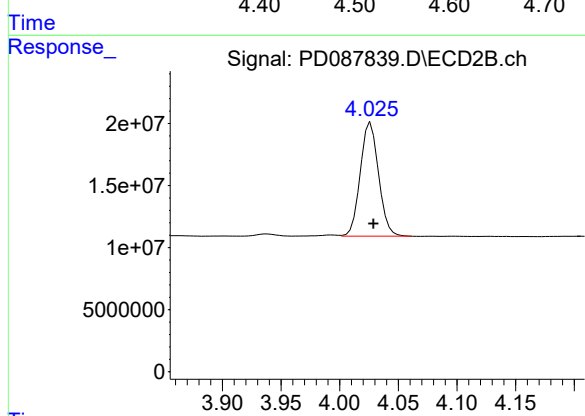
#3 gamma-BHC (Lindane)

R.T.: 3.731 min  
Delta R.T.: -0.003 min  
Response: 213623767  
Conc: 11.66 ng/ml



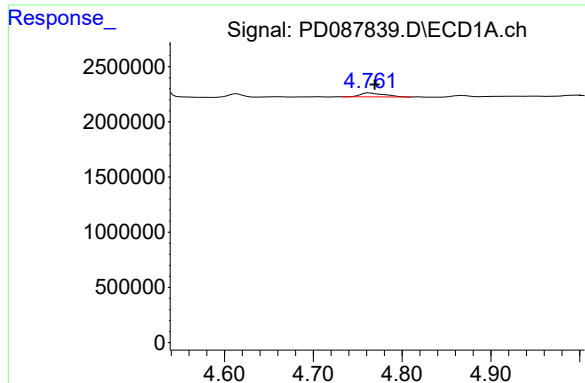
#6 beta-BHC

R.T.: 4.519 min  
Delta R.T.: -0.001 min  
Response: 19277853  
Conc: 10.73 ng/ml



#6 beta-BHC

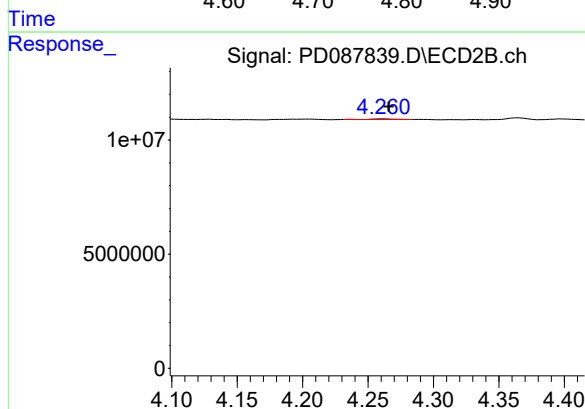
R.T.: 4.027 min  
Delta R.T.: -0.003 min  
Response: 99515050  
Conc: 11.67 ng/ml



#7 delta-BHC

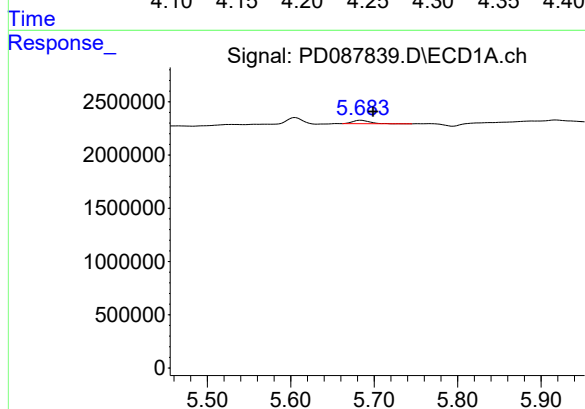
R.T.: 4.763 min  
Delta R.T.: -0.007 min  
Response: 665086  
Conc: 0.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



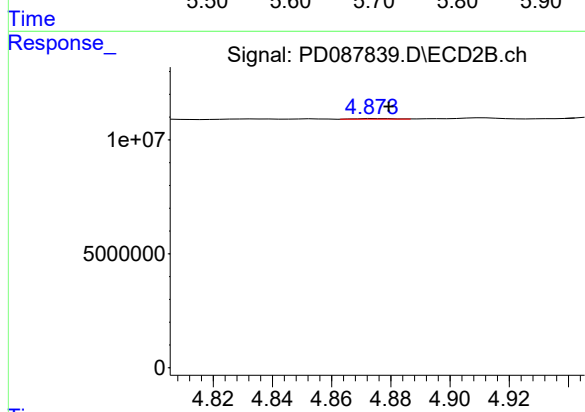
#7 delta-BHC

R.T.: 4.262 min  
Delta R.T.: -0.005 min  
Response: 297550  
Conc: N.D.



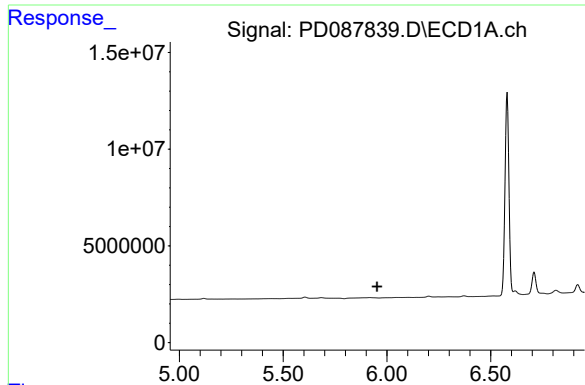
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: -0.015 min  
Response: 450536  
Conc: 0.12 ng/ml



#8 Heptachlor epoxide

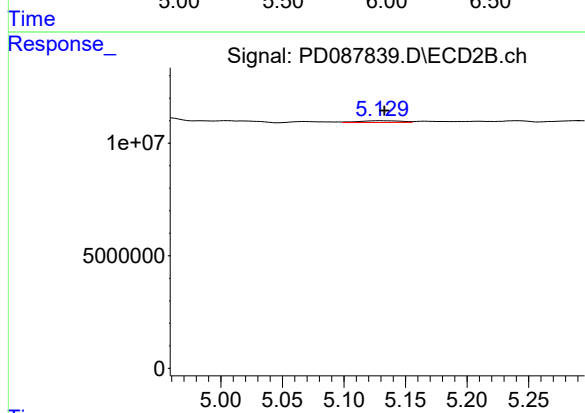
R.T.: 4.874 min  
Delta R.T.: -0.005 min  
Response: 239774  
Conc: N.D.



#10 trans-Chlordane

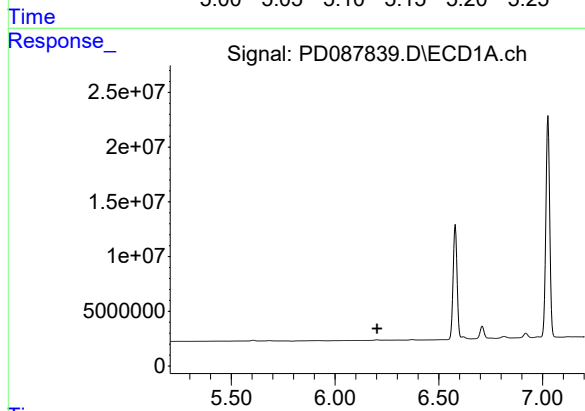
R.T.: 0.000 min  
Exp R.T.: 5.954 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



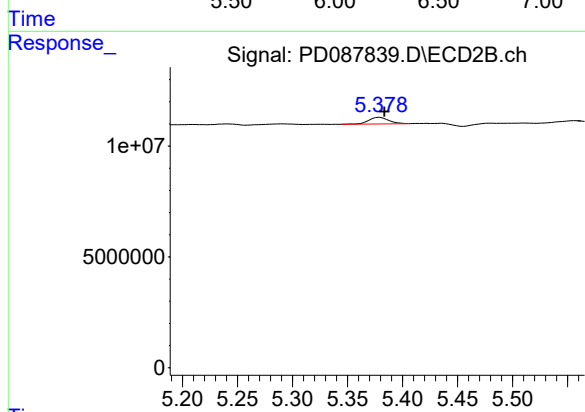
#10 trans-Chlordane

R.T.: 5.130 min  
Delta R.T.: -0.003 min  
Response: 1894743  
Conc: 0.11 ng/ml



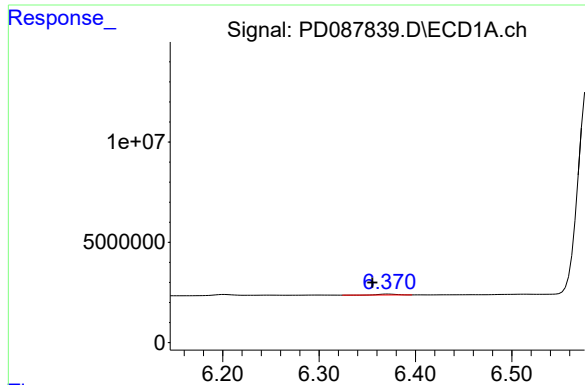
#12 4,4'-DDE

R.T.: 6.249 min  
Delta R.T.: 0.044 min  
Response: -393544  
Conc: N.D.



#12 4,4'-DDE

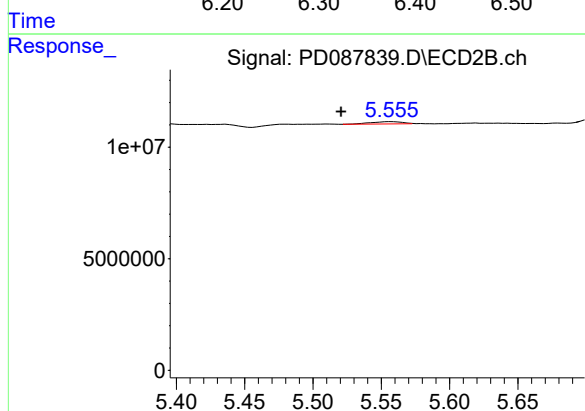
R.T.: 5.379 min  
Delta R.T.: -0.004 min  
Response: 3792168  
Conc: 0.23 ng/ml



#13 Dieldrin

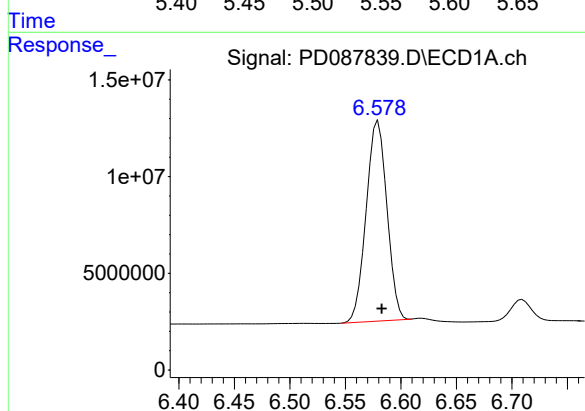
R.T.: 6.372 min  
Delta R.T.: 0.016 min  
Response: 530765  
Conc: 0.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



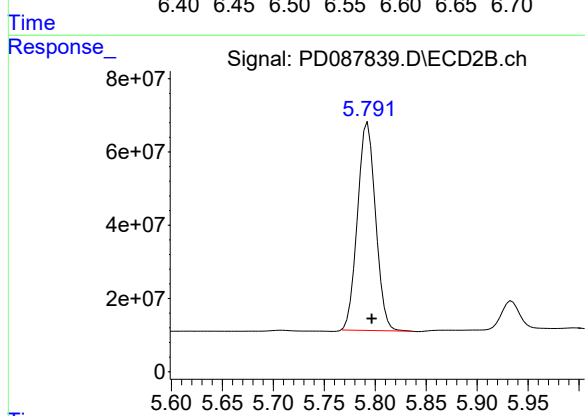
#13 Dieldrin

R.T.: 5.557 min  
Delta R.T.: 0.037 min  
Response: 1669158  
Conc: 0.10 ng/ml



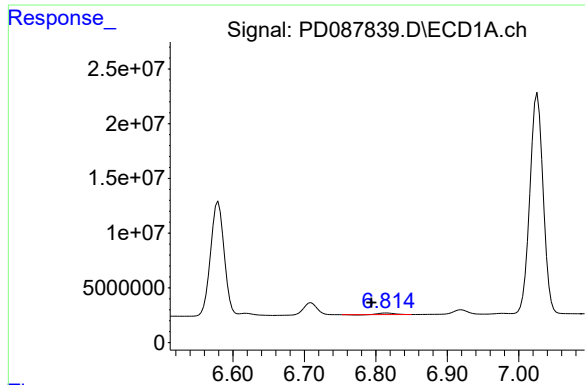
#14 Endrin

R.T.: 6.580 min  
Delta R.T.: -0.003 min  
Response: 135232794  
Conc: 41.67 ng/ml



#14 Endrin

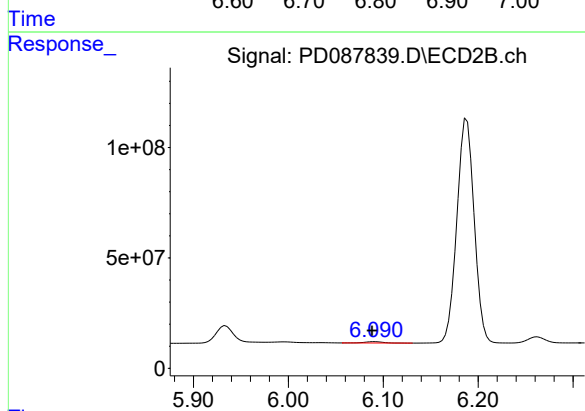
R.T.: 5.793 min  
Delta R.T.: -0.004 min  
Response: 700956845  
Conc: 46.91 ng/ml



#15 Endosulfan II

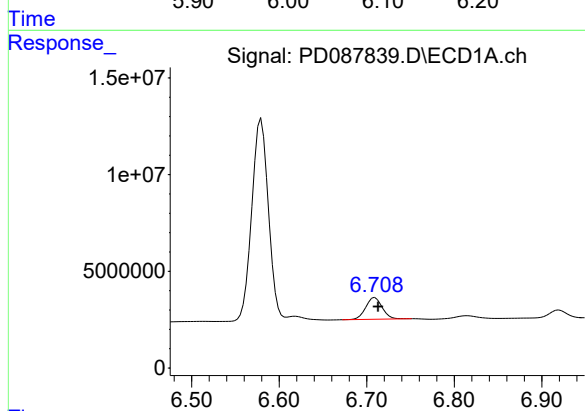
R.T.: 6.815 min  
Delta R.T.: 0.021 min  
Response: 1829299  
Conc: 0.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



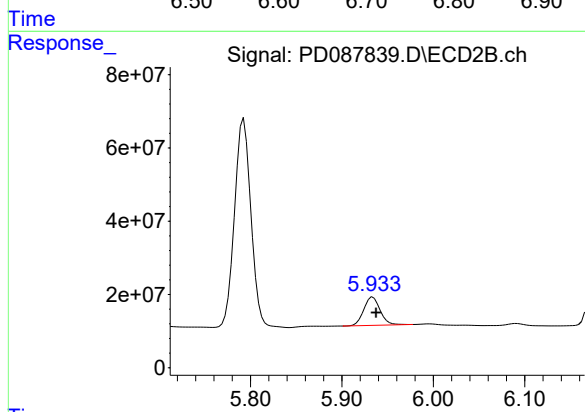
#15 Endosulfan II

R.T.: 6.091 min  
Delta R.T.: 0.003 min  
Response: 7866339  
Conc: 0.53 ng/ml



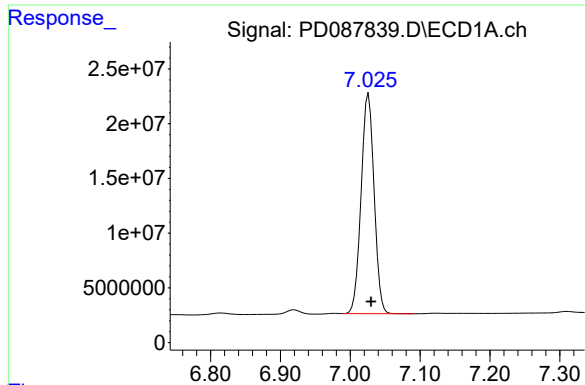
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: -0.004 min  
Response: 14761332  
Conc: 5.37 ng/ml



#16 4,4'-DDD

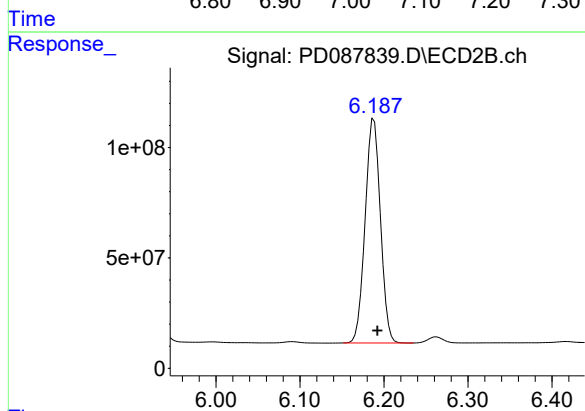
R.T.: 5.934 min  
Delta R.T.: -0.004 min  
Response: 96113389  
Conc: 7.19 ng/ml



#17 4,4'-DDT

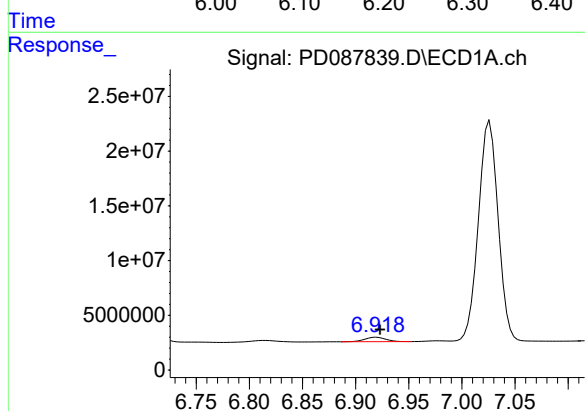
R.T.: 7.026 min  
Delta R.T.: -0.004 min  
Response: 259677044  
Conc: 89.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



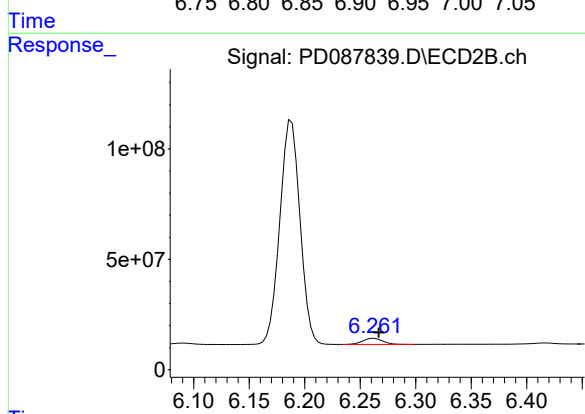
#17 4,4'-DDT

R.T.: 6.188 min  
Delta R.T.: -0.005 min  
Response: 1287089953  
Conc: 93.40 ng/ml



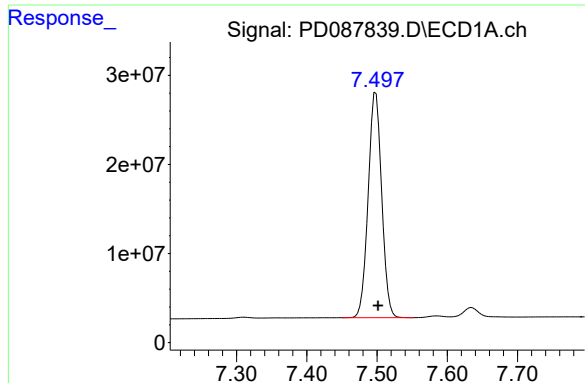
#18 Endrin aldehyde

R.T.: 6.920 min  
Delta R.T.: -0.003 min  
Response: 5491527  
Conc: 2.18 ng/ml



#18 Endrin aldehyde

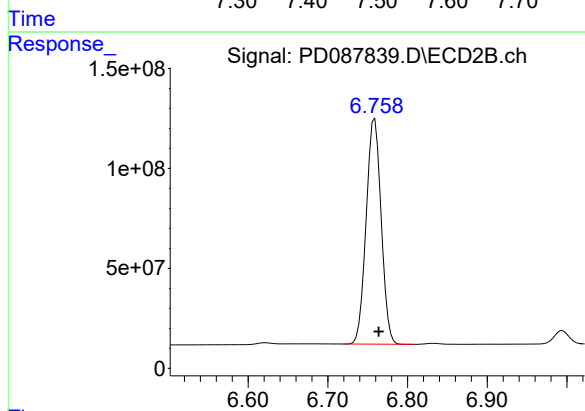
R.T.: 6.263 min  
Delta R.T.: -0.004 min  
Response: 34527133  
Conc: 2.99 ng/ml



#20 Methoxychlor

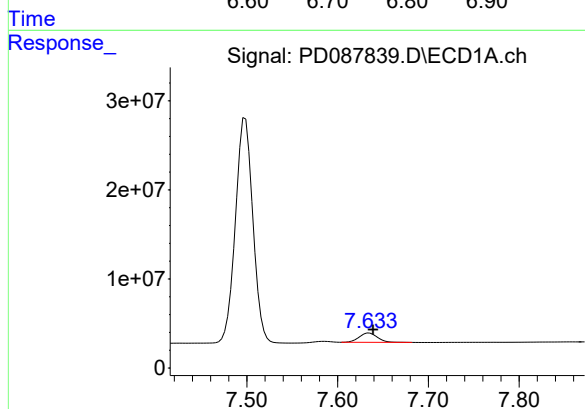
R.T.: 7.498 min  
Delta R.T.: -0.004 min  
Response: 338179394  
Conc: 213.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



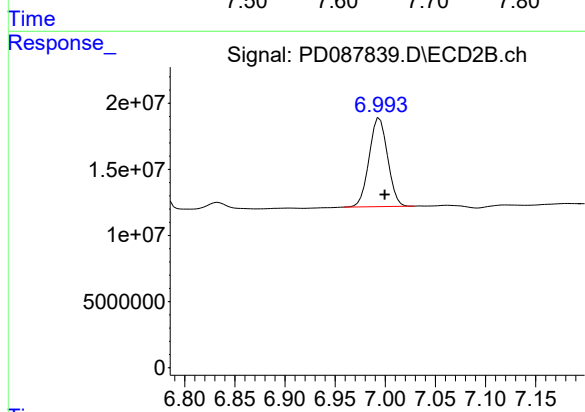
#20 Methoxychlor

R.T.: 6.759 min  
Delta R.T.: -0.005 min  
Response: 1476076510  
Conc: 239.65 ng/ml



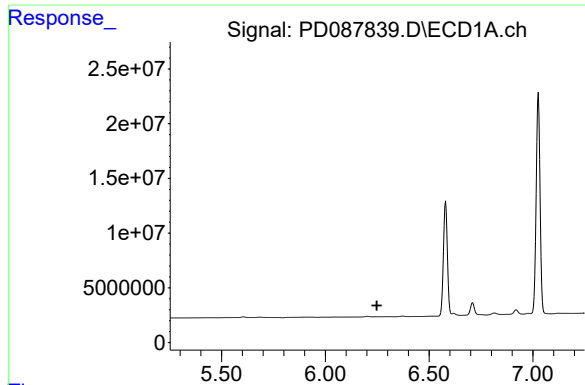
#21 Endrin ketone

R.T.: 7.635 min  
Delta R.T.: -0.004 min  
Response: 14661051  
Conc: 4.26 ng/ml



#21 Endrin ketone

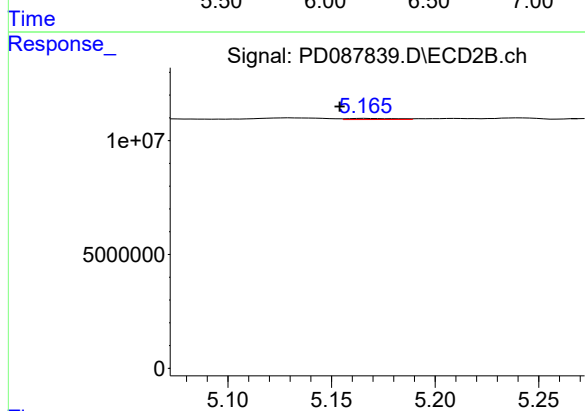
R.T.: 6.994 min  
Delta R.T.: -0.005 min  
Response: 86050544  
Conc: 5.42 ng/ml



#22 Toxaphene-1

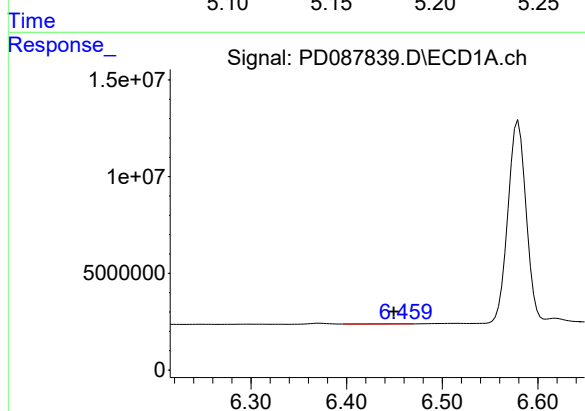
R.T.: 6.249 min  
Delta R.T.: -0.001 min  
Response: -393544  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



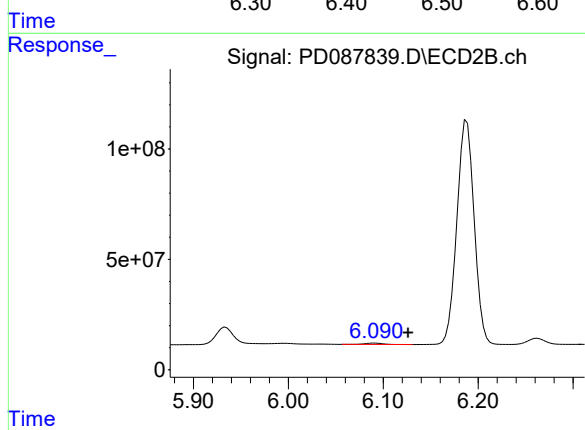
#22 Toxaphene-1

R.T.: 5.166 min  
Delta R.T.: 0.012 min  
Response: 788627  
Conc: 9.09 ng/ml



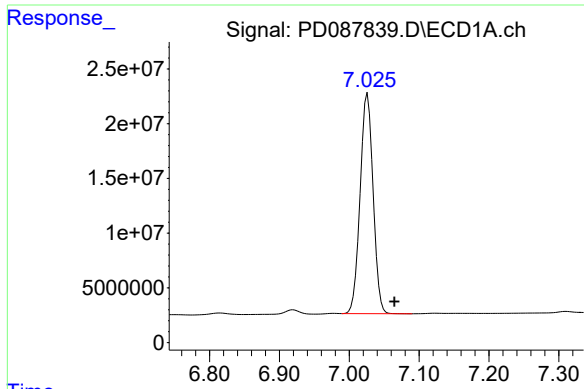
#23 Toxaphene-2

R.T.: 6.461 min  
Delta R.T.: 0.012 min  
Response: 5015  
Conc: 0.16 ng/ml



#23 Toxaphene-2

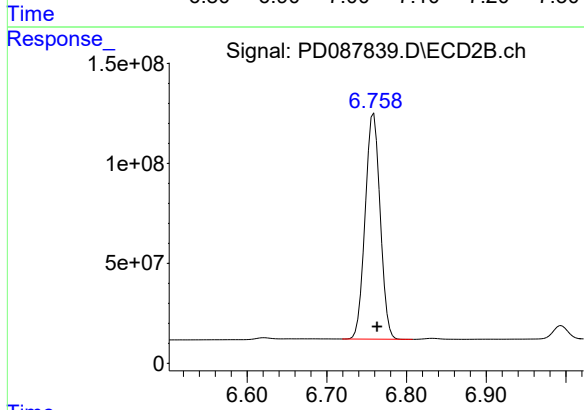
R.T.: 6.091 min  
Delta R.T.: -0.035 min  
Response: 7866339  
Conc: 84.05 ng/ml



#24 Toxaphene-3

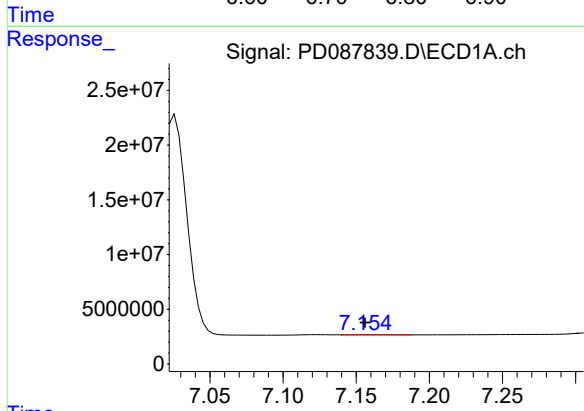
R.T.: 7.026 min  
Delta R.T.: -0.039 min  
Response: 259677044  
Conc: 2925.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



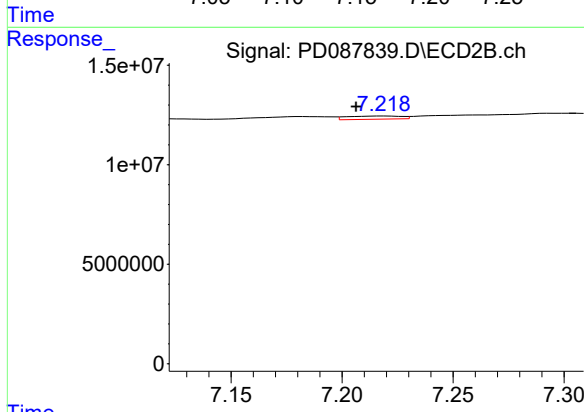
#24 Toxaphene-3

R.T.: 6.759 min  
Delta R.T.: -0.004 min  
Response: 1476076510  
Conc: 4959.15 ng/ml



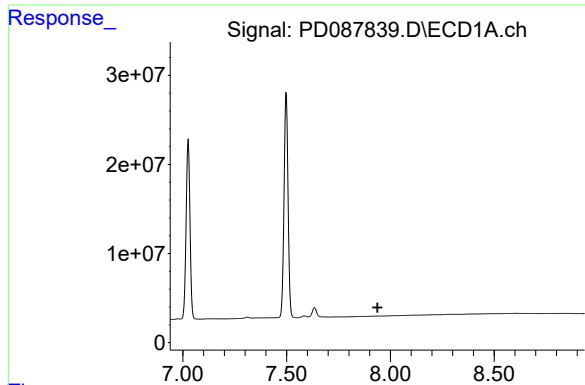
#25 Toxaphene-4

R.T.: 7.156 min  
Delta R.T.: 0.000 min  
Response: 76082  
Conc: 1.17 ng/ml



#25 Toxaphene-4

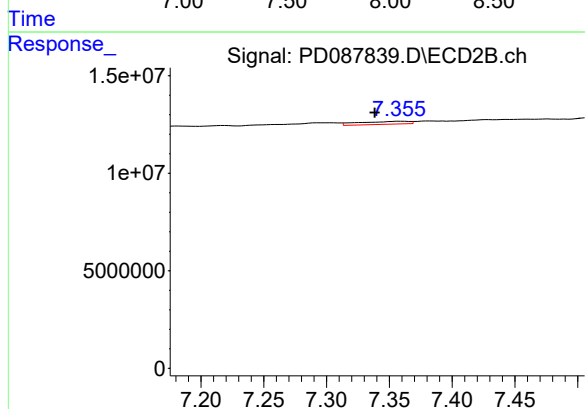
R.T.: 7.219 min  
Delta R.T.: 0.012 min  
Response: 2751666  
Conc: 12.99 ng/ml



#26 Toxaphene-5

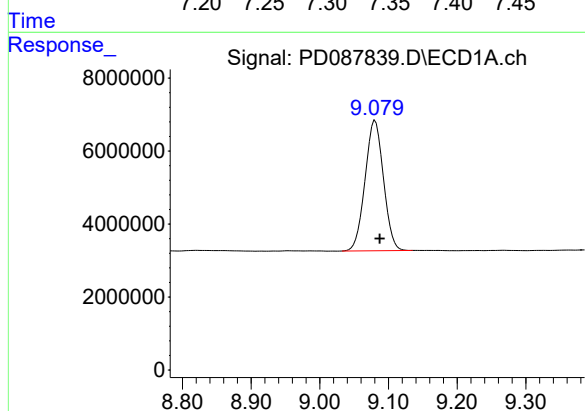
R.T.: 0.000 min  
Exp R.T.: 7.938 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



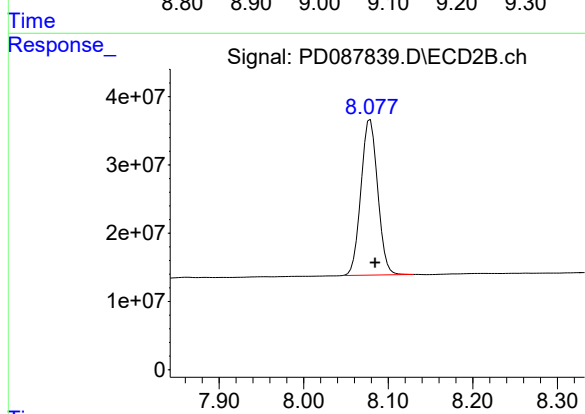
#26 Toxaphene-5

R.T.: 7.358 min  
Delta R.T.: 0.019 min  
Response: 4136095  
Conc: 26.67 ng/ml



#27 Decachlorobiphenyl

R.T.: 9.081 min  
Delta R.T.: -0.007 min  
Response: 66525410  
Conc: 19.90 ng/ml



#27 Decachlorobiphenyl

R.T.: 8.079 min  
Delta R.T.: -0.006 min  
Response: 313666875  
Conc: 21.66 ng/ml