

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD100423\  
 Data File : PD078628.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Oct 2023 19:56  
 Operator : AR\AJ  
 Sample : 04685-05MSD  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PP-20230928-B6A-0-7.5MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 03 21:36:21 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD100323.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 03 01:10:04 2023  
 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... | 3.540  | 2.758  | 48348152 | 34436572 | 16.748   | 16.861     |
| 28)                         | SA Decachlor... | 9.078  | 7.894  | 56151006 | 32422722 | 15.141   | 14.289     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.997  | 3.259  | 240.9E6  | 149.0E6  | 49.613   | 49.719     |
| 3)                          | MA gamma-BHC... | 4.330  | 3.588  | 232.3E6  | 146.4E6  | 49.666   | 50.523     |
| 4)                          | MA Heptachlor   | 4.920  | 3.927  | 229.0E6  | 142.7E6  | 48.698   | 48.350     |
| 5)                          | MB Aldrin       | 5.263  | 4.206  | 239.3E6  | 146.1E6  | 49.533   | 49.237     |
| 6)                          | B beta-BHC      | 4.528  | 3.885  | 91600534 | 57044881 | 49.319   | 49.358     |
| 7)                          | B delta-BHC     | 4.776  | 4.115  | 228.6E6  | 144.7E6  | 50.748   | 50.568     |
| 8)                          | B Heptachlo...  | 5.690  | 4.708  | 207.0E6  | 134.1E6  | 49.275   | 49.613     |
| 9)                          | A Endosulfan I  | 6.077  | 5.078  | 192.4E6  | 124.5E6  | 49.239   | 49.522     |
| 10)                         | B gamma-Chl...  | 5.947  | 4.958  | 207.6E6  | 133.9E6  | 49.434   | 49.807     |
| 11)                         | B alpha-Chl...  | 6.026  | 5.022  | 207.2E6  | 132.8E6  | 49.181   | 49.456     |
| 12)                         | B 4,4'-DDE      | 6.199  | 5.210  | 199.0E6  | 129.5E6  | 49.714   | 50.911     |
| 13)                         | MA Dieldrin     | 6.353  | 5.342  | 208.1E6  | 138.2E6  | 49.610   | 49.502     |
| 14)                         | MA Endrin       | 6.584  | 5.618  | 172.8E6  | 123.1E6  | 51.442   | 49.760     |
| 15)                         | B Endosulfa...  | 6.803  | 5.912  | 170.5E6  | 116.7E6  | 47.373   | 49.031     |
| 16)                         | A 4,4'-DDD      | 6.718  | 5.765  | 155.8E6  | 104.5E6  | 52.350   | 52.797     |
| 17)                         | MA 4,4'-DDT     | 7.032  | 6.015  | 150.8E6  | 103.4E6  | 50.944   | 50.817     |
| 18)                         | B Endrin al...  | 6.934  | 6.092  | 117.7E6  | 89539256 | 44.053   | 48.298     |
| 19)                         | B Endosulfa...  | 7.169  | 6.314  | 158.1E6  | 109.9E6  | 49.211   | 49.535     |
| 20)                         | A Methoxychlor  | 7.509  | 6.591  | 81947942 | 56288715 | 49.102   | 51.592     |
| 21)                         | B Endrin ke...  | 7.655  | 6.821  | 184.9E6  | 129.8E6  | 51.475   | 49.467     |
| 22)                         | Mirex           | 8.129  | 7.002  | 152.3E6  | 113.6E6  | 57.037   | 55.751     |
| 24)                         | Chlordane-2     | 5.263f | 4.344f | 239.3E6  | 141725   | 1678.021 | 1.830 #    |
| 25)                         | Chlordane-3     | 5.947  | 4.958  | 207.6E6  | 133.9E6  | 354.817  | 519.497 #  |
| 26)                         | Chlordane-4     | 6.026  | 5.022  | 207.2E6  | 132.8E6  | 292.878  | 528.797 #  |
| 27)                         | Chlordane-5     | 0.000  | 5.912  | 0        | 116.7E6  | N.D.     | 1358.312 # |
| -----                       |                 |        |        |          |          |          |            |

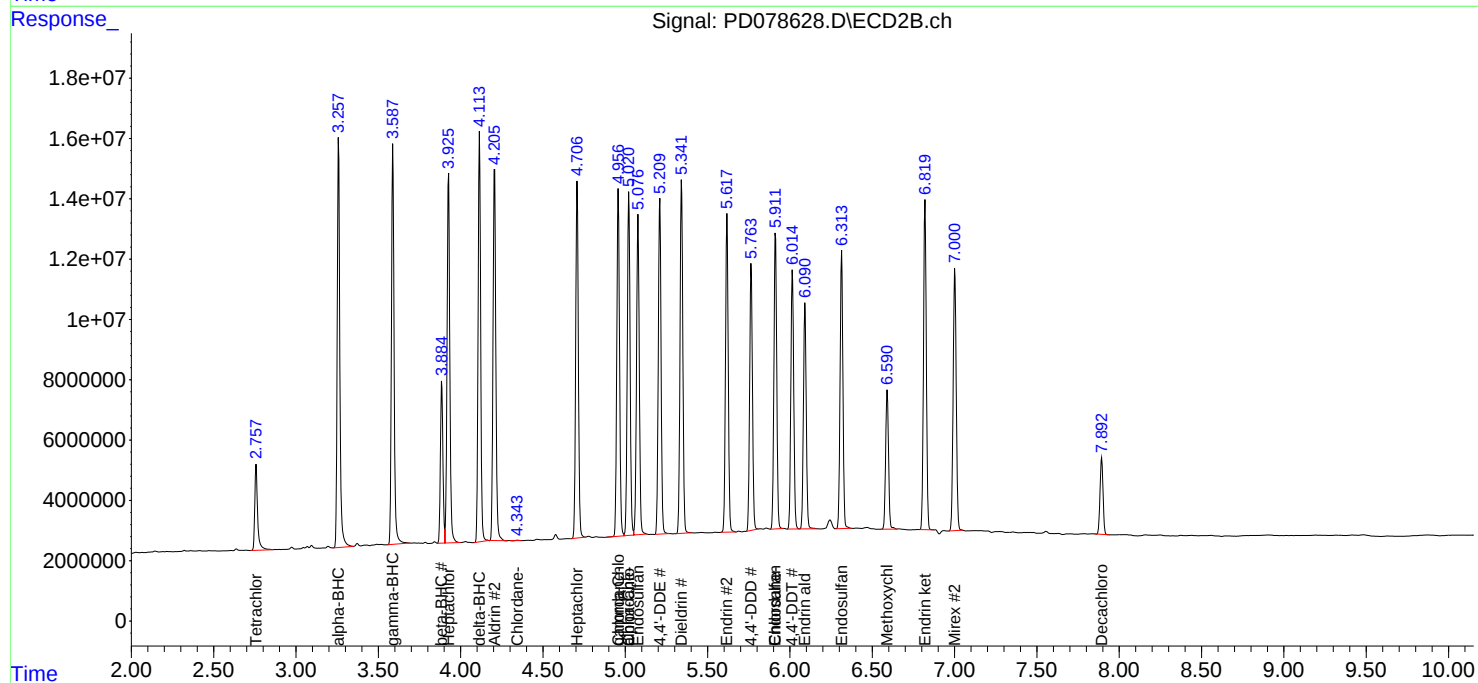
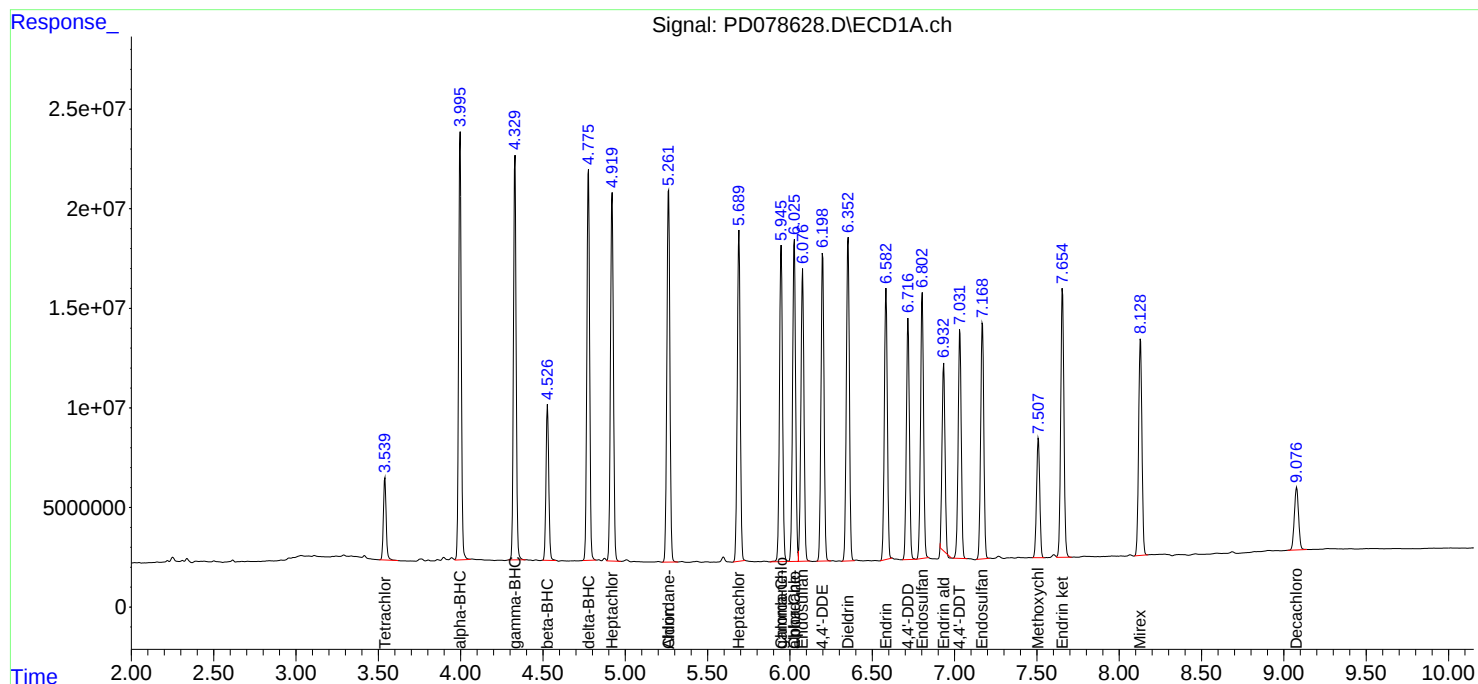
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

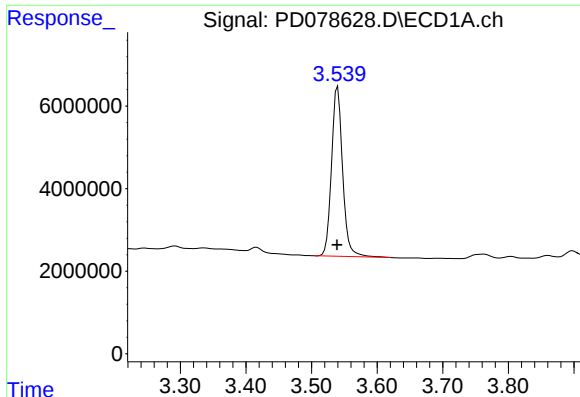
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD100423\  
Data File : PD078628.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Oct 2023 19:56  
Operator : AR\AJ  
Sample : 04685-05MSD  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 03 21:36:21 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD100323.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 03 01:10:04 2023  
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

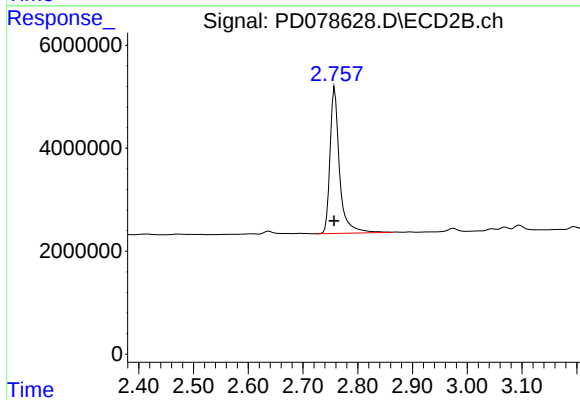




#1 Tetrachloro-m-xylene

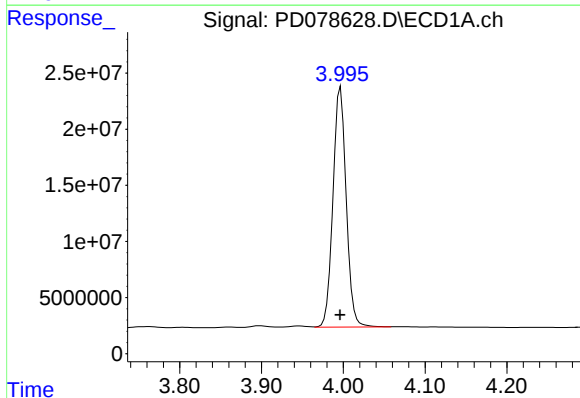
R.T.: 3.540 min  
Delta R.T.: 0.000 min  
Response: 48348152  
Conc: 16.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



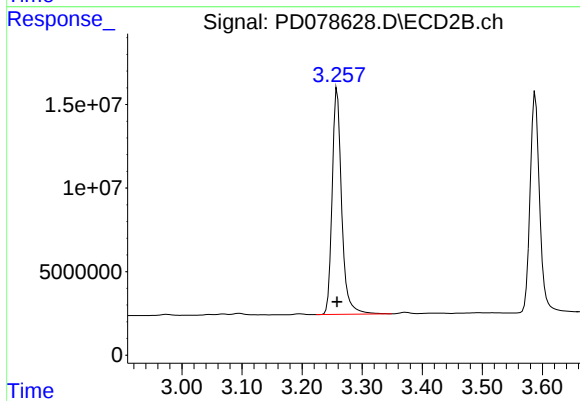
#1 Tetrachloro-m-xylene

R.T.: 2.758 min  
Delta R.T.: 0.000 min  
Response: 34436572  
Conc: 16.86 ng/ml



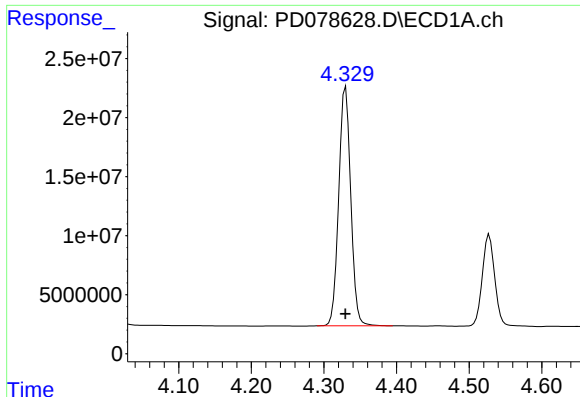
#2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: 0.000 min  
Response: 240935717  
Conc: 49.61 ng/ml



#2 alpha-BHC

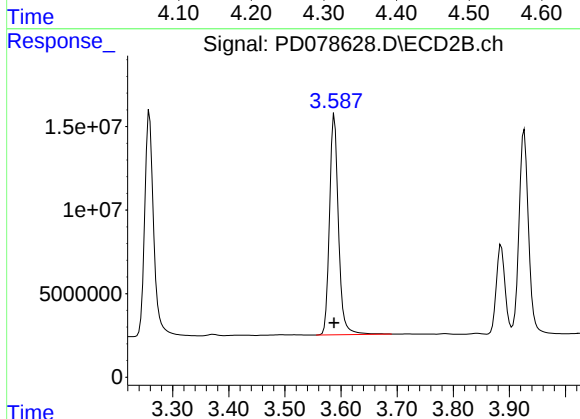
R.T.: 3.259 min  
Delta R.T.: 0.000 min  
Response: 149034016  
Conc: 49.72 ng/ml



#3 gamma-BHC (Lindane)

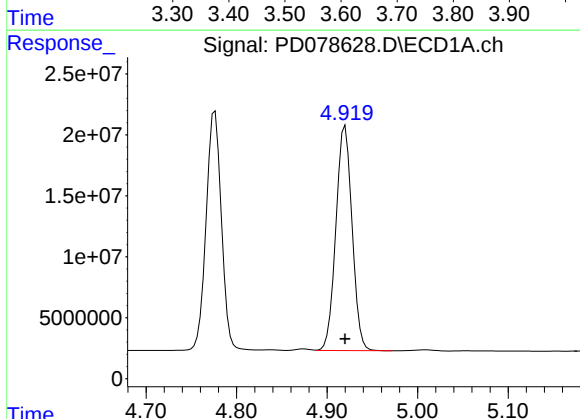
R.T.: 4.330 min  
Delta R.T.: 0.000 min  
Response: 232341460  
Conc: 49.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



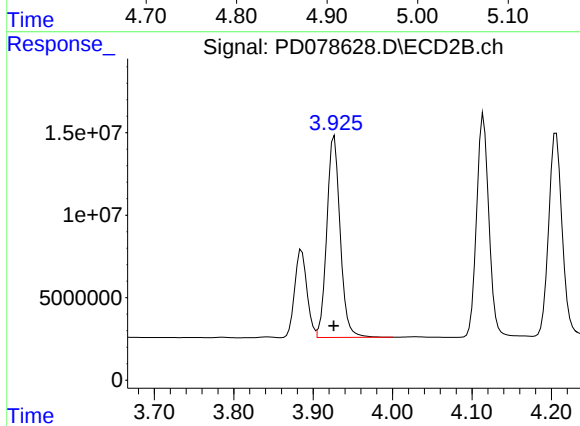
#3 gamma-BHC (Lindane)

R.T.: 3.588 min  
Delta R.T.: 0.000 min  
Response: 146375819  
Conc: 50.52 ng/ml



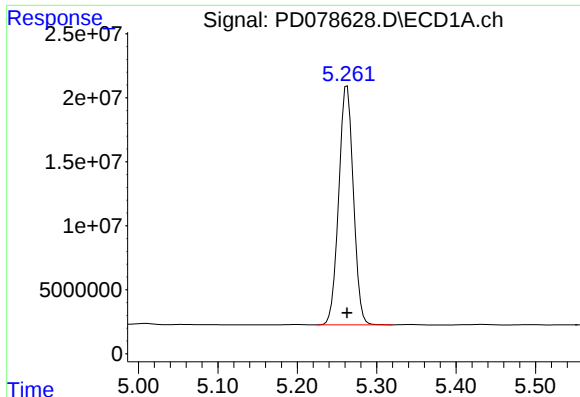
#4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: 0.000 min  
Response: 228950766  
Conc: 48.70 ng/ml



#4 Heptachlor

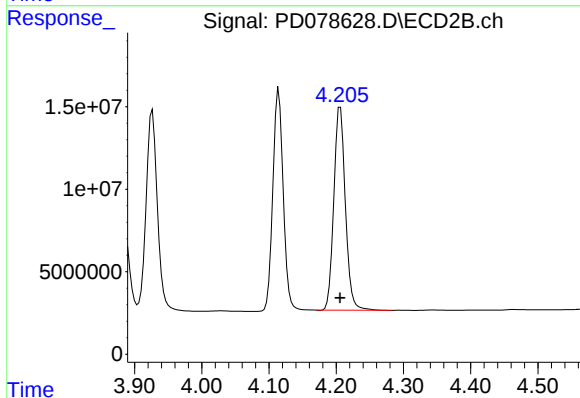
R.T.: 3.927 min  
Delta R.T.: 0.000 min  
Response: 142654533  
Conc: 48.35 ng/ml



#5 Aldrin

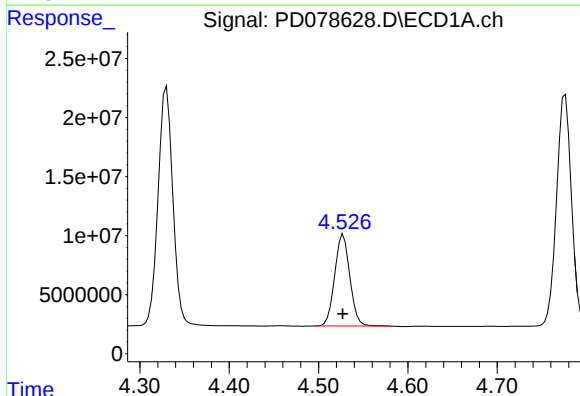
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 239293775  
Conc: 49.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



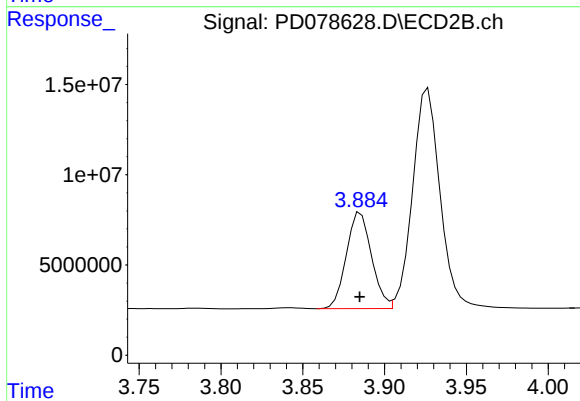
#5 Aldrin

R.T.: 4.206 min  
Delta R.T.: 0.000 min  
Response: 146082896  
Conc: 49.24 ng/ml



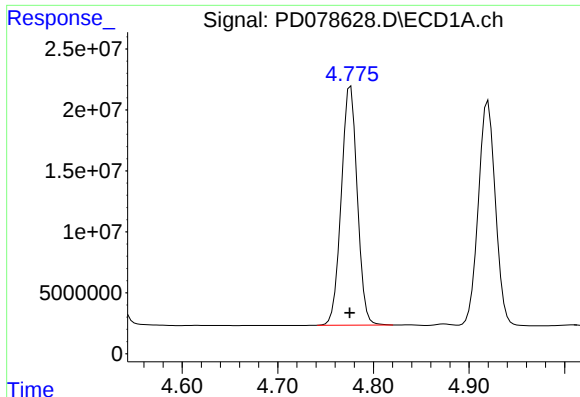
#6 beta-BHC

R.T.: 4.528 min  
Delta R.T.: 0.000 min  
Response: 91600534  
Conc: 49.32 ng/ml



#6 beta-BHC

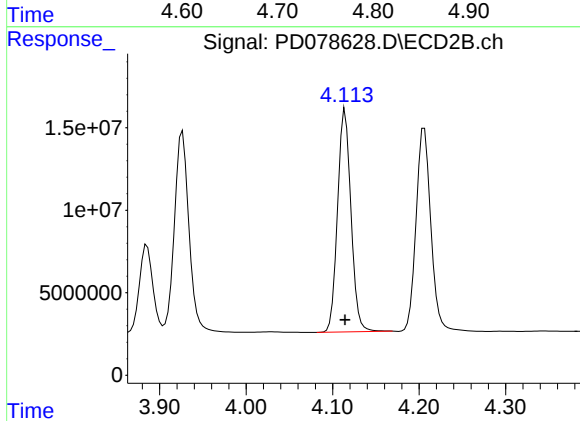
R.T.: 3.885 min  
Delta R.T.: 0.000 min  
Response: 57044881  
Conc: 49.36 ng/ml



#7 delta-BHC

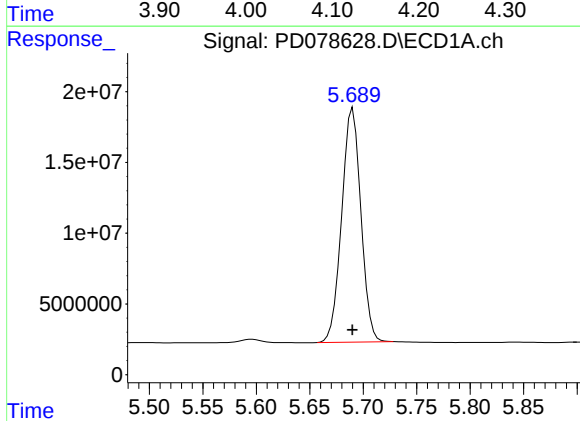
R.T.: 4.776 min  
Delta R.T.: 0.000 min  
Response: 228572529  
Conc: 50.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



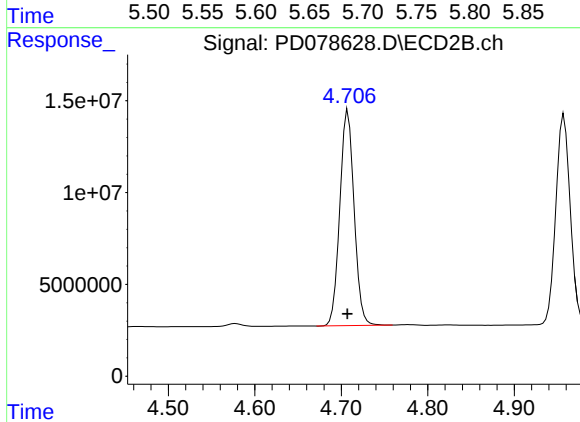
#7 delta-BHC

R.T.: 4.115 min  
Delta R.T.: 0.000 min  
Response: 144685443  
Conc: 50.57 ng/ml



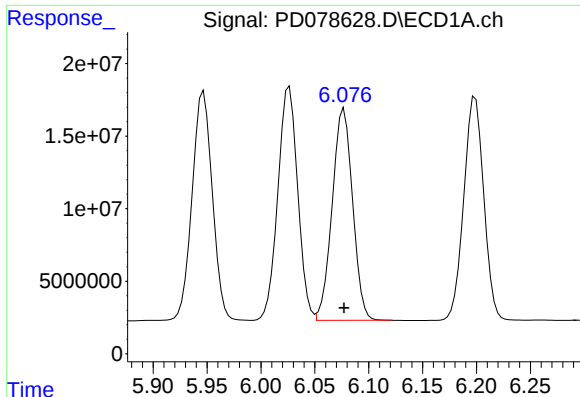
#8 Heptachlor epoxide

R.T.: 5.690 min  
Delta R.T.: 0.000 min  
Response: 206956386  
Conc: 49.27 ng/ml



#8 Heptachlor epoxide

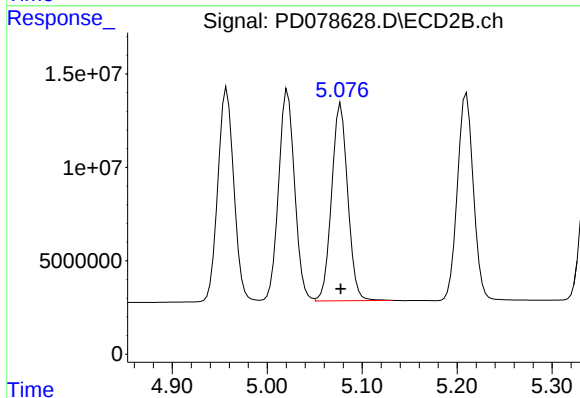
R.T.: 4.708 min  
Delta R.T.: 0.000 min  
Response: 134089418  
Conc: 49.61 ng/ml



#9 Endosulfan I

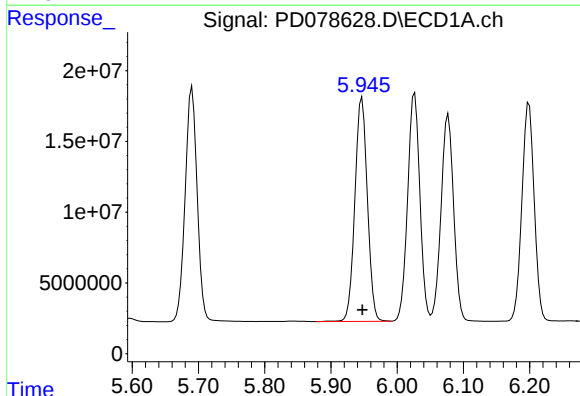
R.T.: 6.077 min  
Delta R.T.: 0.000 min  
Response: 192369736  
Conc: 49.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



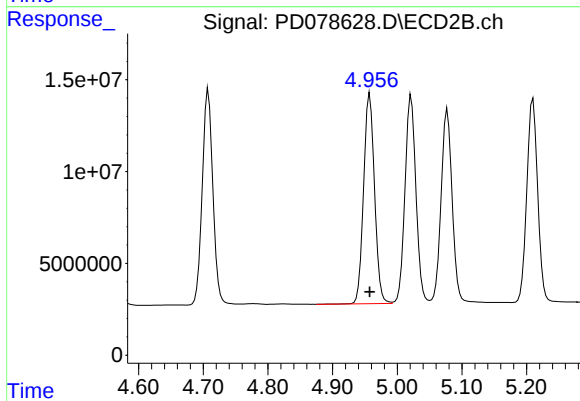
#9 Endosulfan I

R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 124532301  
Conc: 49.52 ng/ml



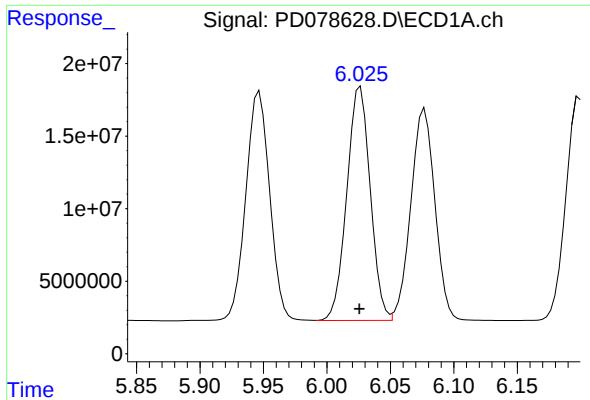
#10 gamma-Chlordane

R.T.: 5.947 min  
Delta R.T.: 0.000 min  
Response: 207578713  
Conc: 49.43 ng/ml



#10 gamma-Chlordane

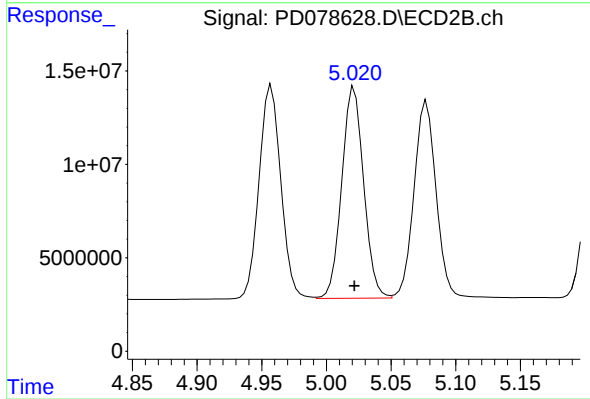
R.T.: 4.958 min  
Delta R.T.: 0.000 min  
Response: 133850314  
Conc: 49.81 ng/ml



#11 alpha-Chlordane

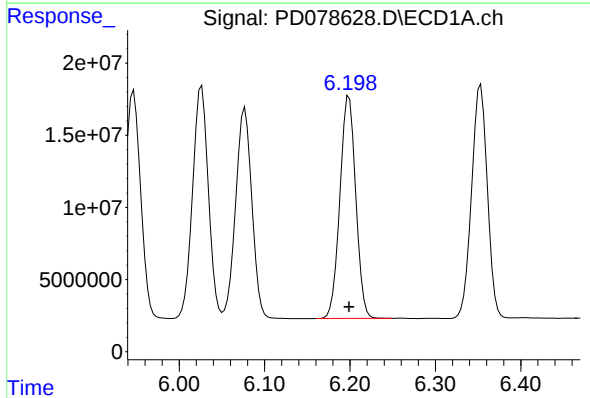
R.T.: 6.026 min  
Delta R.T.: 0.000 min  
Response: 207210003  
Conc: 49.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



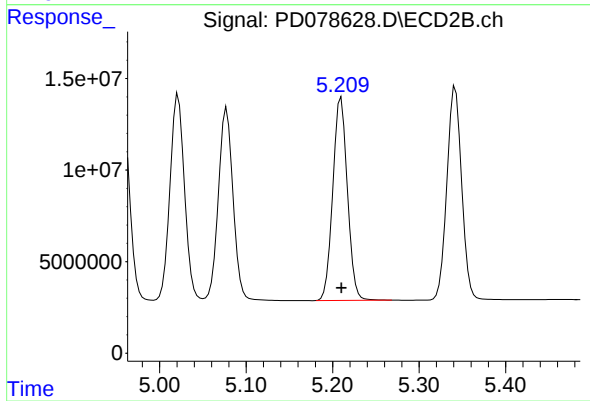
#11 alpha-Chlordane

R.T.: 5.022 min  
Delta R.T.: 0.000 min  
Response: 132799929  
Conc: 49.46 ng/ml



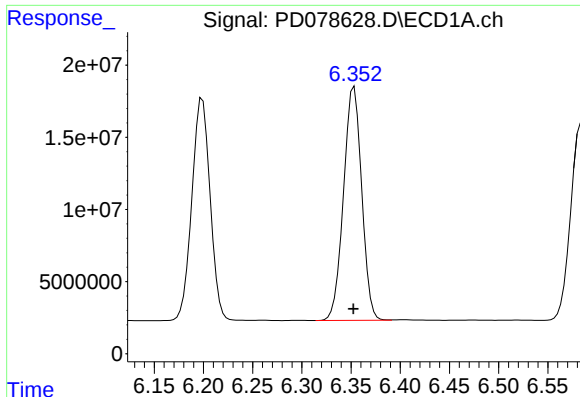
#12 4,4'-DDE

R.T.: 6.199 min  
Delta R.T.: 0.000 min  
Response: 198983916  
Conc: 49.71 ng/ml



#12 4,4'-DDE

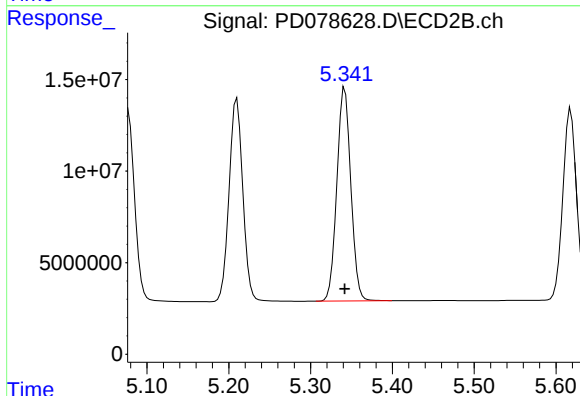
R.T.: 5.210 min  
Delta R.T.: 0.000 min  
Response: 129537645  
Conc: 50.91 ng/ml



#13 Dieldrin

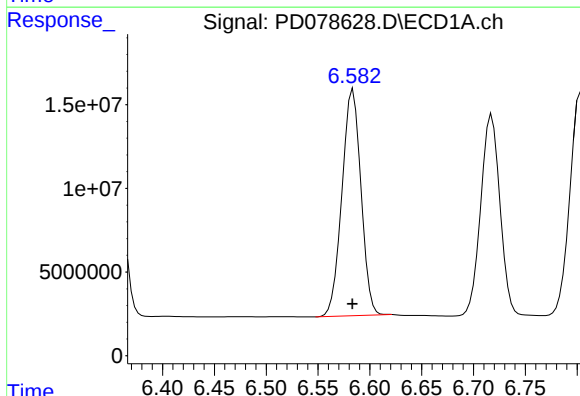
R.T.: 6.353 min  
Delta R.T.: 0.000 min  
Response: 208124724  
Conc: 49.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



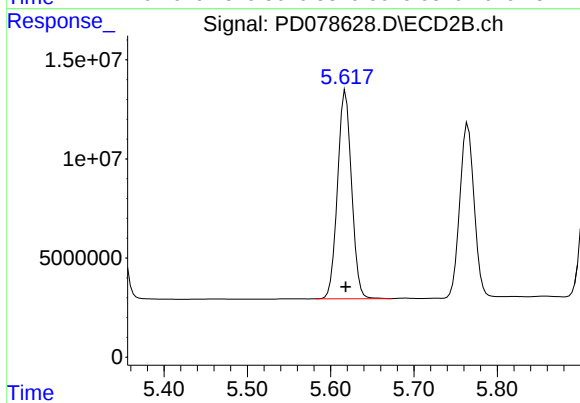
#13 Dieldrin

R.T.: 5.342 min  
Delta R.T.: 0.000 min  
Response: 138191555  
Conc: 49.50 ng/ml



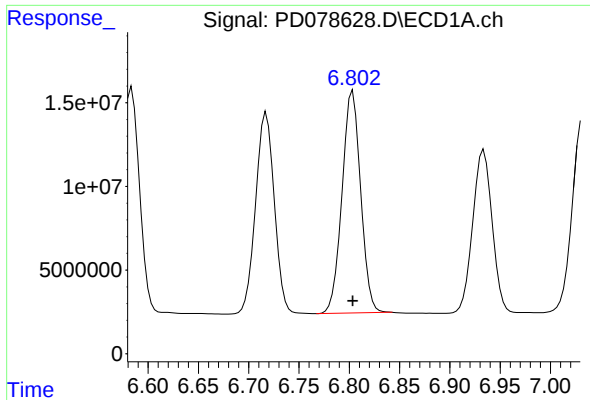
#14 Endrin

R.T.: 6.584 min  
Delta R.T.: 0.000 min  
Response: 172759615  
Conc: 51.44 ng/ml



#14 Endrin

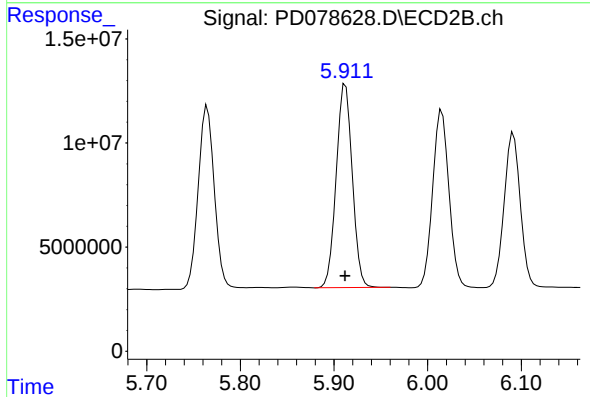
R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 123116769  
Conc: 49.76 ng/ml



#15 Endosulfan II

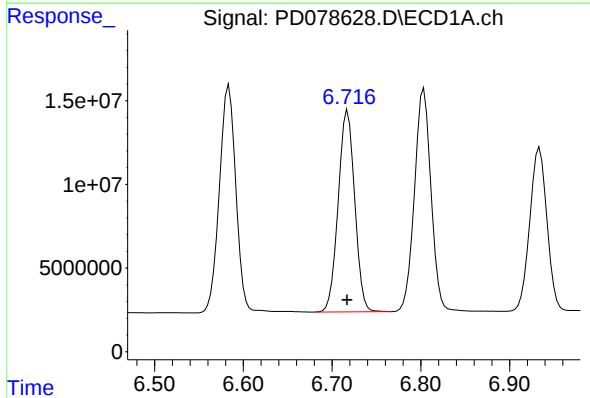
R.T.: 6.803 min  
Delta R.T.: 0.000 min  
Response: 170515819  
Conc: 47.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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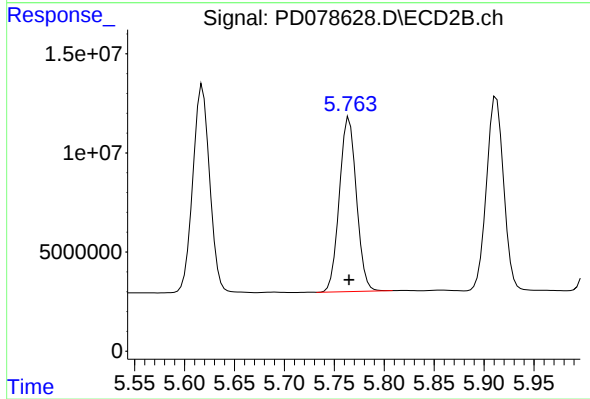
#15 Endosulfan II

R.T.: 5.912 min  
Delta R.T.: 0.000 min  
Response: 116721897  
Conc: 49.03 ng/ml



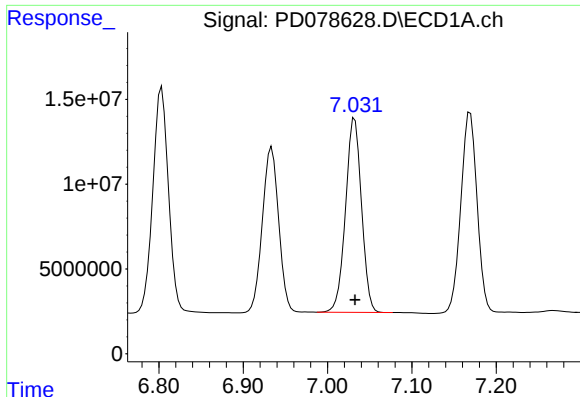
#16 4,4'-DDD

R.T.: 6.718 min  
Delta R.T.: 0.000 min  
Response: 155772313  
Conc: 52.35 ng/ml



#16 4,4'-DDD

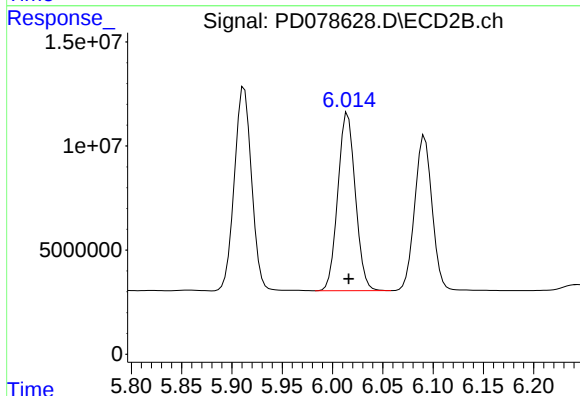
R.T.: 5.765 min  
Delta R.T.: 0.000 min  
Response: 104475000  
Conc: 52.80 ng/ml



#17 4,4'-DDT

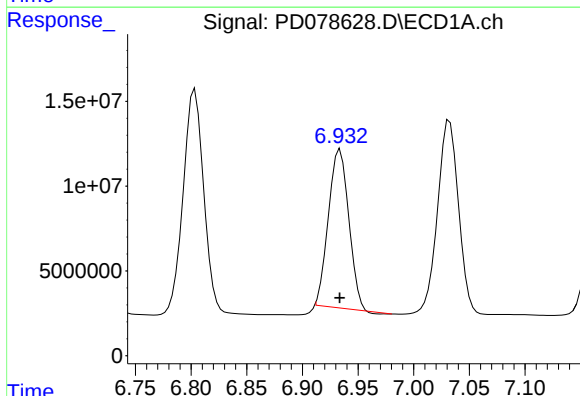
R.T.: 7.032 min  
Delta R.T.: 0.000 min  
Response: 150759377  
Conc: 50.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



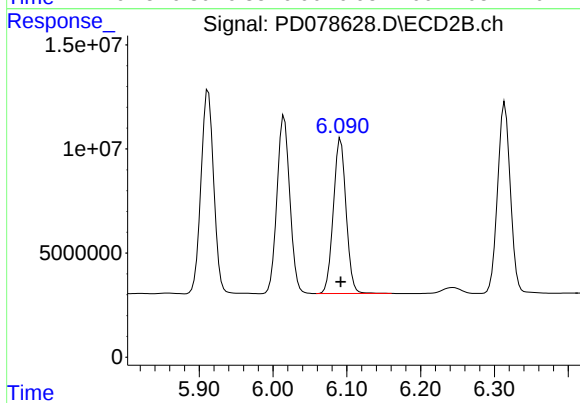
#17 4,4'-DDT

R.T.: 6.015 min  
Delta R.T.: 0.000 min  
Response: 103437505  
Conc: 50.82 ng/ml



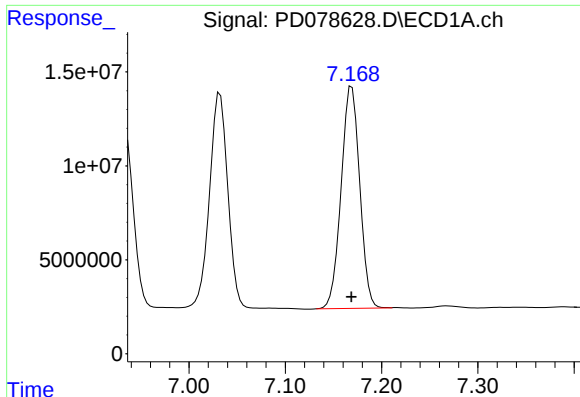
#18 Endrin aldehyde

R.T.: 6.934 min  
Delta R.T.: 0.000 min  
Response: 117690083  
Conc: 44.05 ng/ml



#18 Endrin aldehyde

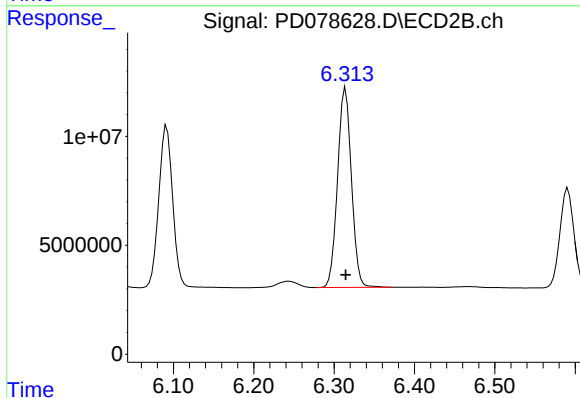
R.T.: 6.092 min  
Delta R.T.: 0.000 min  
Response: 89539256  
Conc: 48.30 ng/ml



#19 Endosulfan Sulfate

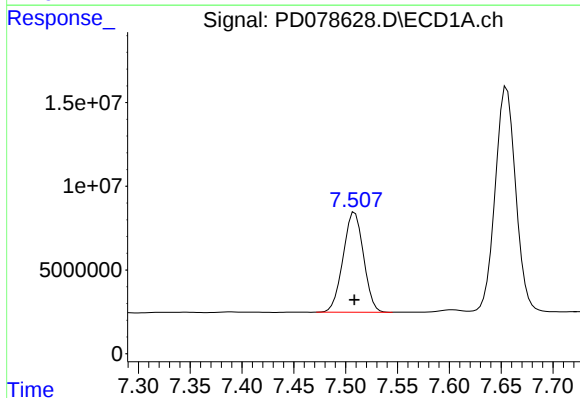
R.T.: 7.169 min  
Delta R.T.: 0.000 min  
Response: 158111526  
Conc: 49.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



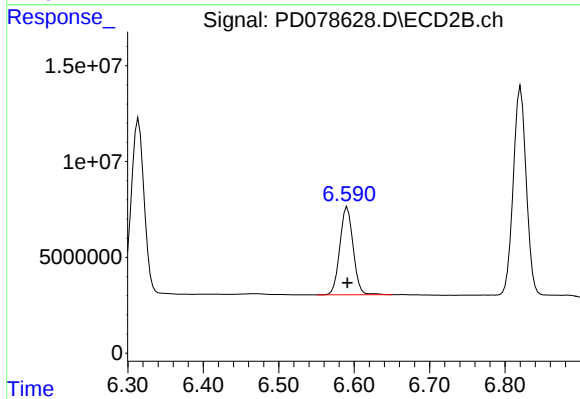
#19 Endosulfan Sulfate

R.T.: 6.314 min  
Delta R.T.: 0.000 min  
Response: 109895921  
Conc: 49.53 ng/ml



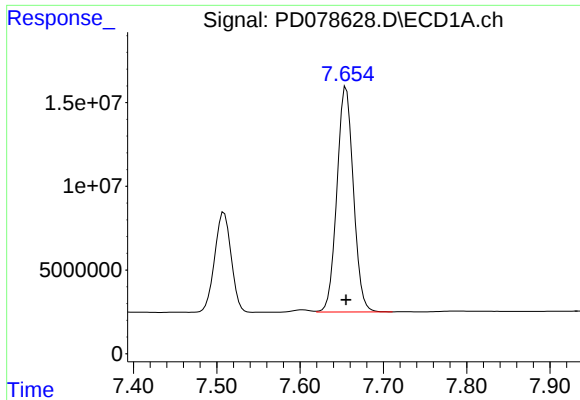
#20 Methoxychlor

R.T.: 7.509 min  
Delta R.T.: 0.000 min  
Response: 81947942  
Conc: 49.10 ng/ml



#20 Methoxychlor

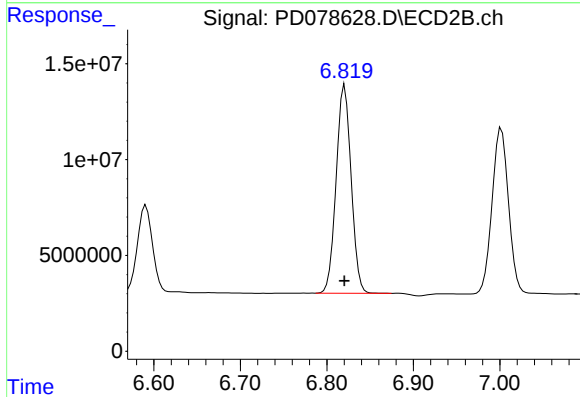
R.T.: 6.591 min  
Delta R.T.: 0.000 min  
Response: 56288715  
Conc: 51.59 ng/ml



#21 Endrin ketone

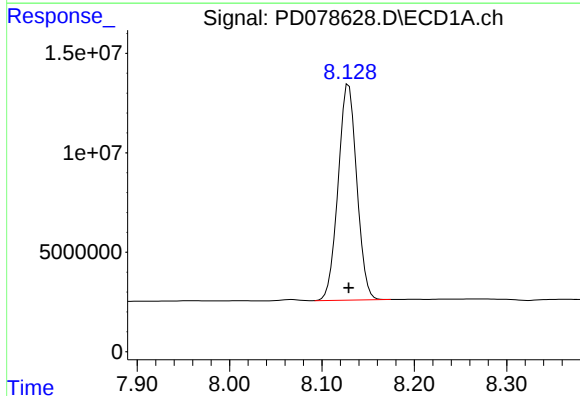
R.T.: 7.655 min  
Delta R.T.: 0.000 min  
Response: 184943459  
Conc: 51.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



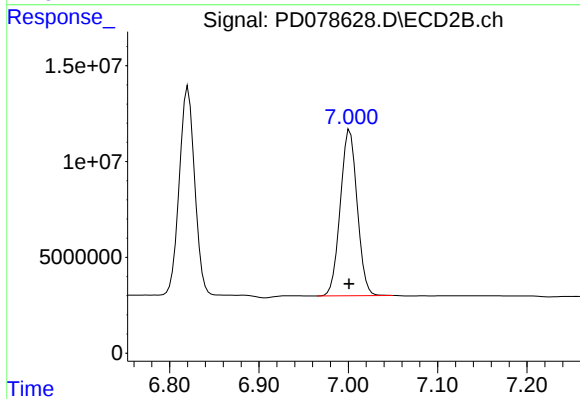
#21 Endrin ketone

R.T.: 6.821 min  
Delta R.T.: 0.000 min  
Response: 129831052  
Conc: 49.47 ng/ml



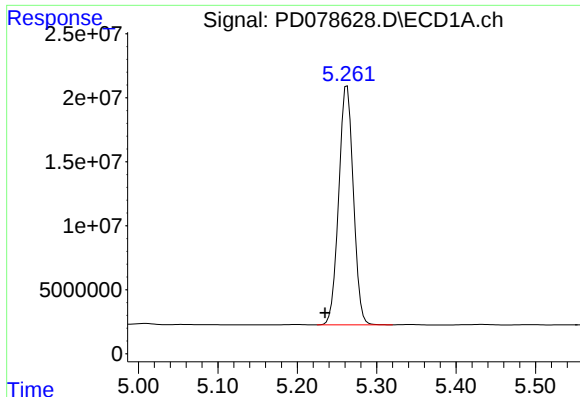
#22 Mirex

R.T.: 8.129 min  
Delta R.T.: 0.000 min  
Response: 152343827  
Conc: 57.04 ng/ml



#22 Mirex

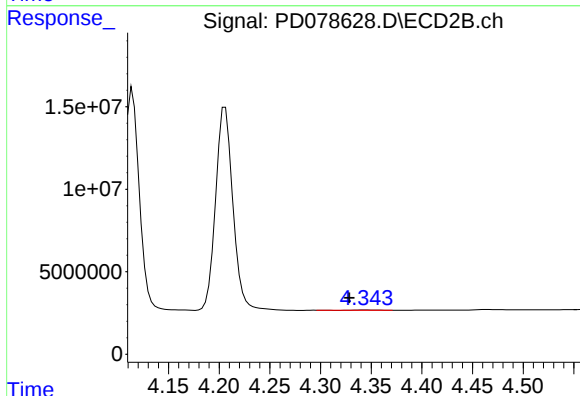
R.T.: 7.002 min  
Delta R.T.: 0.001 min  
Response: 113610492  
Conc: 55.75 ng/ml



#24 Chlordane-2

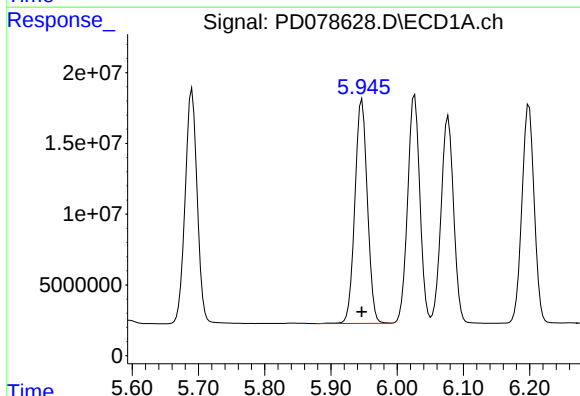
R.T.: 5.263 min  
Delta R.T.: 0.028 min  
Response: 239293775  
Conc: 1678.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



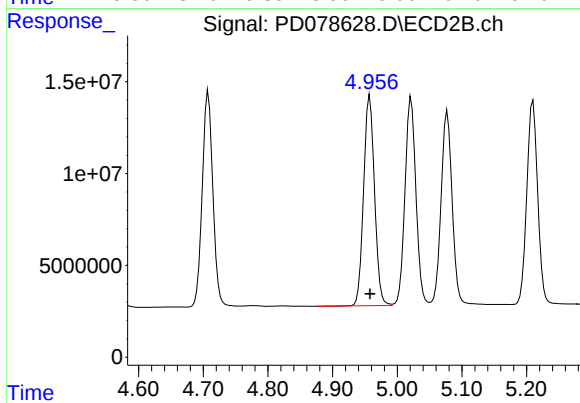
#24 Chlordane-2

R.T.: 4.344 min  
Delta R.T.: 0.015 min  
Response: 141725  
Conc: 1.83 ng/ml



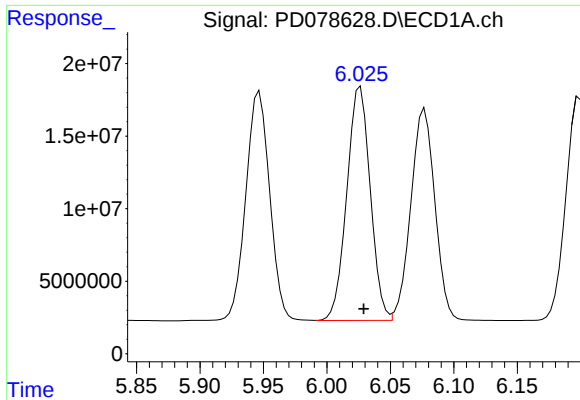
#25 Chlordane-3

R.T.: 5.947 min  
Delta R.T.: 0.000 min  
Response: 207578713  
Conc: 354.82 ng/ml



#25 Chlordane-3

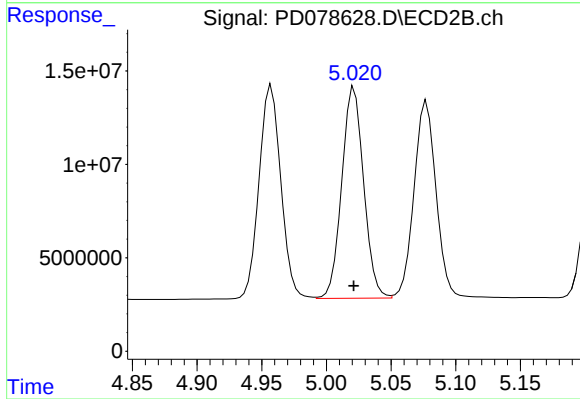
R.T.: 4.958 min  
Delta R.T.: 0.000 min  
Response: 133850314  
Conc: 519.50 ng/ml



#26 Chlordane-4

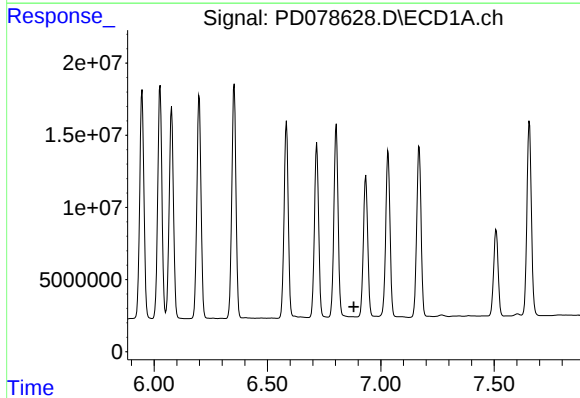
R.T.: 6.026 min  
Delta R.T.: -0.003 min  
Response: 207210003  
Conc: 292.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



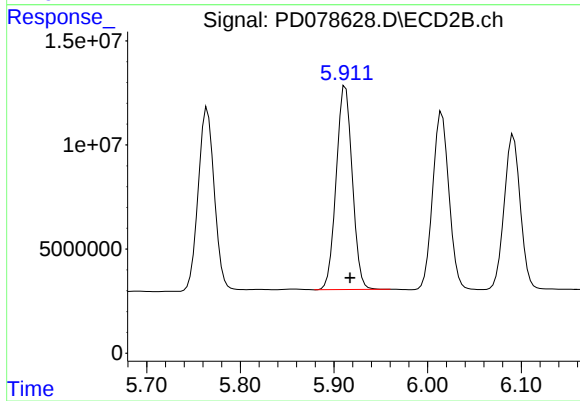
#26 Chlordane-4

R.T.: 5.022 min  
Delta R.T.: 0.000 min  
Response: 132799929  
Conc: 528.80 ng/ml



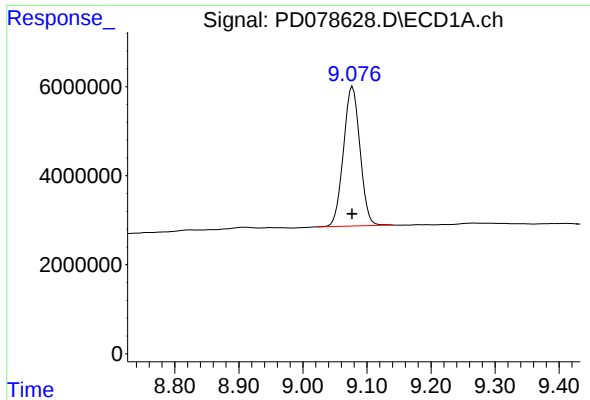
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.881 min  
Response: 0  
Conc: N.D.



#27 Chlordane-5

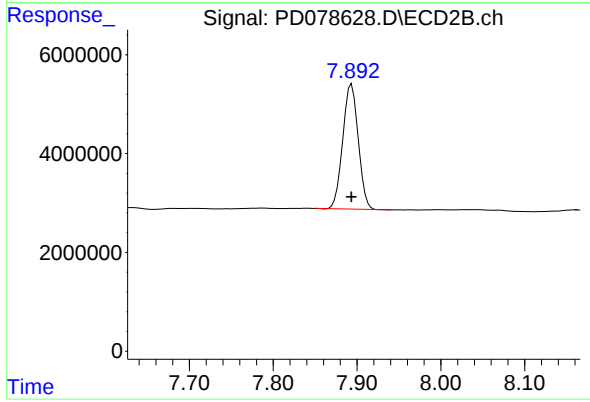
R.T.: 5.912 min  
Delta R.T.: -0.005 min  
Response: 116721897  
Conc: 1358.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min  
Delta R.T.: 0.000 min  
Response: 56151006  
Conc: 15.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PP-20230928-B6A-0-7.5MSD



#28 Decachlorobiphenyl

R.T.: 7.894 min  
Delta R.T.: 0.000 min  
Response: 32422722  
Conc: 14.29 ng/ml