

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD092024\  
 Data File : PD085462.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Sep 2024 23:30  
 Operator : AR\AJ  
 Sample : P4016-19MS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 DDC23MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/23/2024  
 Supervised By :Ankita Jodhani 09/23/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 21 01:42:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091924CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Sep 20 05:48:22 2024  
 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

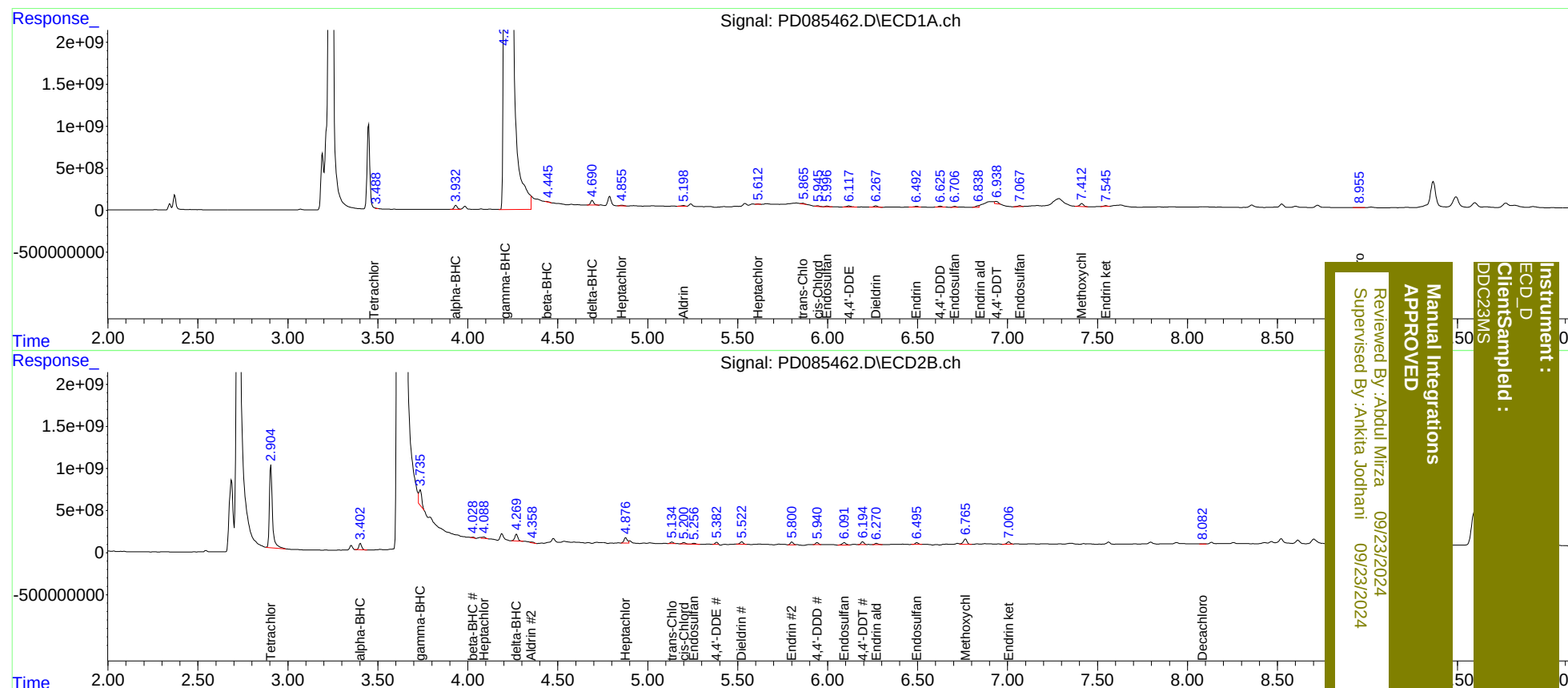
| Compound                    | RT#1   | RT#2  | Resp#1     | Resp#2    | ng/ml      | ng/ml      |
|-----------------------------|--------|-------|------------|-----------|------------|------------|
| -----                       |        |       |            |           |            |            |
| System Monitoring Compounds |        |       |            |           |            |            |
| 1) SA Tetrachlo...          | 3.488  | 2.904 | 18463080   | 11395.4E6 | 15.246m    | 3014.767m# |
| 2) SA Decachlor...          | 8.955  | 8.082 | 26923351   | 43747978  | 16.412m    | 16.365m    |
| Target Compounds            |        |       |            |           |            |            |
| 2) A alpha-BHC              | 3.934  | 3.403 | 548.2E6    | 816.9E6   | 232.010    | 147.937 #  |
| 3) MA gamma-BHC...          | 4.200f | 3.735 | 106758.5E6 | 2063.7E6  | 42672.098m | 396.005m#  |
| 4) MA Heptachlor            | 4.855  | 4.088 | 111.6E6    | 219.0E6   | 52.831m    | 46.145m    |
| 5) MB Aldrin                | 5.199  | 4.358 | 120.9E6    | 152.9E6   | 55.692     | 30.160m#   |
| 6) B beta-BHC               | 4.445  | 4.028 | 57897206   | 84813073  | 60.712m    | 36.471m#   |
| 7) B delta-BHC              | 4.692  | 4.270 | 655.1E6    | 990.2E6   | 287.389    | 187.981 #  |
| 8) B Heptachlo...           | 5.612  | 4.878 | 53104185   | 781.5E6   | 26.586m    | 168.339 #  |
| 9) A Endosulfan I           | 5.996  | 5.258 | 122.7E6    | 150.8E6   | 69.256m    | 36.700 #   |
| 10) B trans-Chl...          | 5.865  | 5.134 | 106.8E6    | 222.3E6   | 56.115m    | 49.122m    |
| 11) B cis-Chlor...          | 5.945  | 5.201 | 103.3E6    | 222.0E6   | 51.549m    | 47.858     |
| 12) B 4,4'-DDE              | 6.117  | 5.382 | 204.4E6    | 243.3E6   | 116.908m   | 56.787m#   |
| 13) MA Dieldrin             | 6.268  | 5.523 | 229.1E6    | 360.7E6   | 118.497    | 77.479 #   |
| 14) MA Endrin               | 6.492  | 5.800 | 164.4E6    | 383.1E6   | 102.244m   | 92.368m    |
| 15) B Endosulfa...          | 6.706  | 6.091 | 143.3E6    | 436.7E6   | 78.147m    | 118.026m#  |
| 16) A 4,4'-DDD              | 6.625  | 5.940 | 174.1E6    | 286.0E6   | 132.162m   | 85.395m#   |
| 17) MA 4,4'-DDT             | 6.938  | 6.194 | 369.2E6    | 407.4E6   | 302.833m   | 128.607m#  |
| 18) B Endrin al...          | 6.838  | 6.270 | 178.3E6    | 202.6E6   | 150.537m   | 73.280m#   |
| 19) B Endosulfa...          | 7.067  | 6.496 | 138.7E6    | 271.2E6   | 91.890m    | 78.957     |
| 20) A Methoxychlor          | 7.412  | 6.765 | 496.7E6    | 931.7E6   | 678.837m   | 574.062m   |
| 21) B Endrin ke...          | 7.546  | 7.006 | 119.1E6    | 334.7E6   | 74.525     | 72.067m    |
| -----                       |        |       |            |           |            |            |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD092024\  
Data File : PD085462.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Sep 2024 23:30  
Operator : AR\AJ  
Sample : P4016-19MS  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

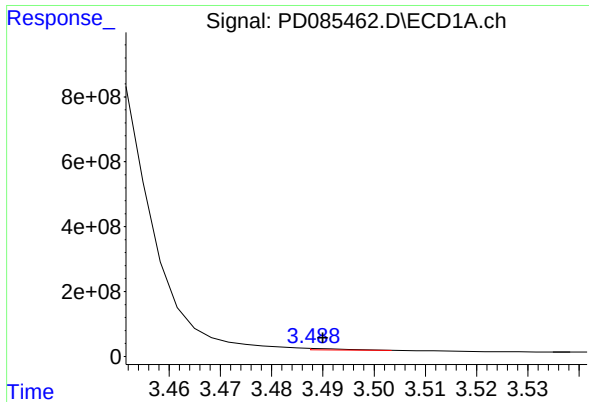
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 21 01:42:06 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091924CLP.M  
Quant Title : GC Extractables  
QLast Update : Fri Sep 20 05:48:22 2024  
Response via : Initial Calibration  
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Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integrations  
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Supervised By: Ankita Jodhani 09/23/2024

Instrument :  
ECD\_D  
ClientSampled :  
DDC23MS



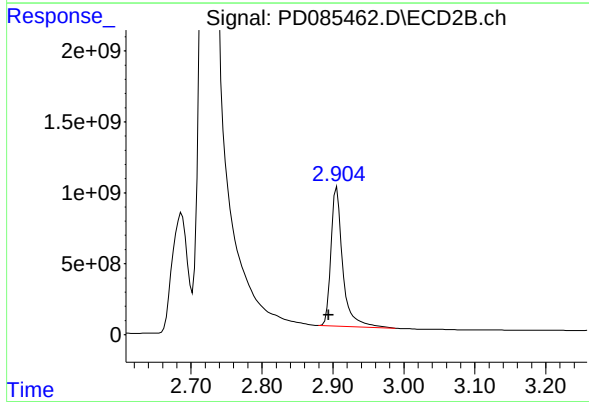
#1 Tetrachloro-m-xylene

R.T.: 3.488 min  
Delta R.T.: -0.002 min  
Response: 18463080  
Conc: 15.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

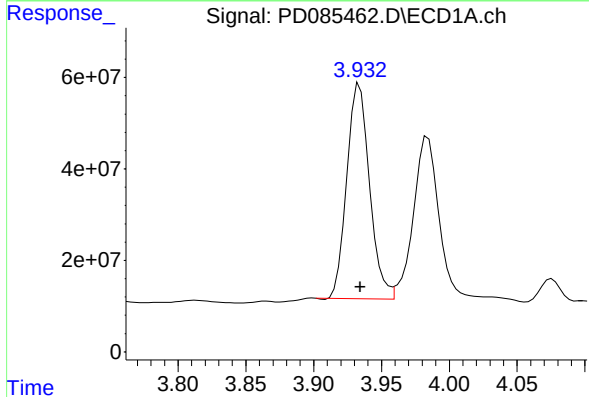
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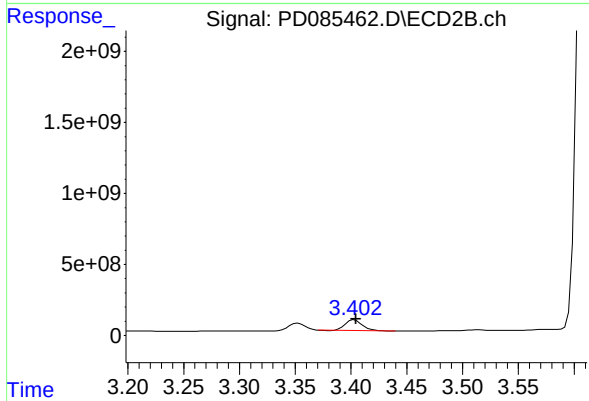
#1 Tetrachloro-m-xylene

R.T.: 2.904 min  
Delta R.T.: 0.010 min  
Response: 11395384870  
Conc: 3014.77 ng/ml m



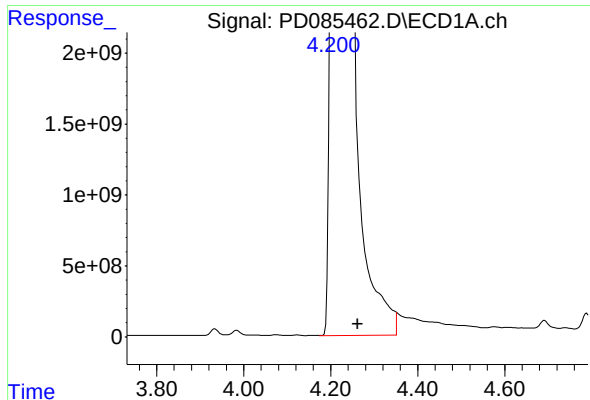
#2 alpha-BHC

R.T.: 3.934 min  
Delta R.T.: 0.000 min  
Response: 548169360  
Conc: 232.01 ng/ml



#2 alpha-BHC

R.T.: 3.403 min  
Delta R.T.: -0.001 min  
Response: 816917789  
Conc: 147.94 ng/ml



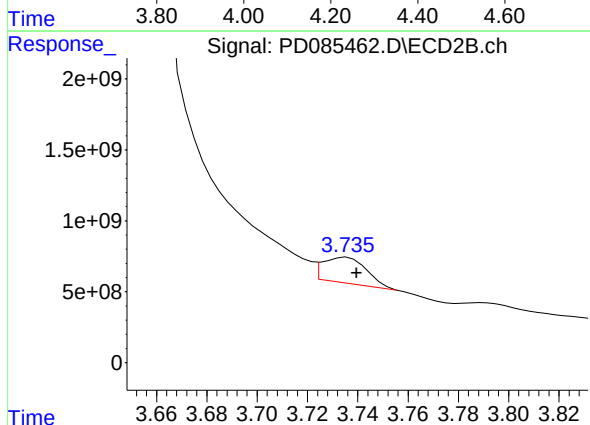
#3 gamma-BHC (Lindane)

R.T.: 4.200 min  
Delta R.T.: -0.062 min  
Response: 1.06759e+01  
Conc: 42672.10 ng/

Instrument :  
ECD\_D  
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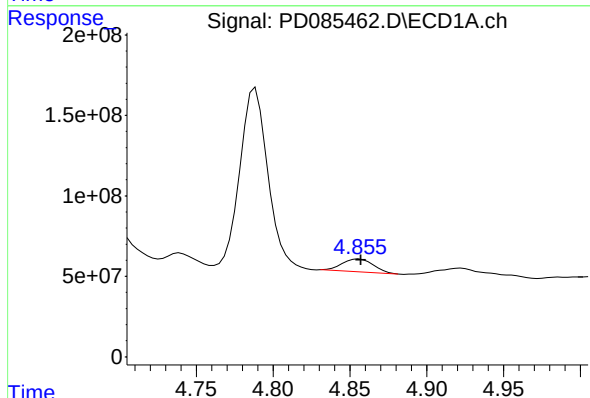
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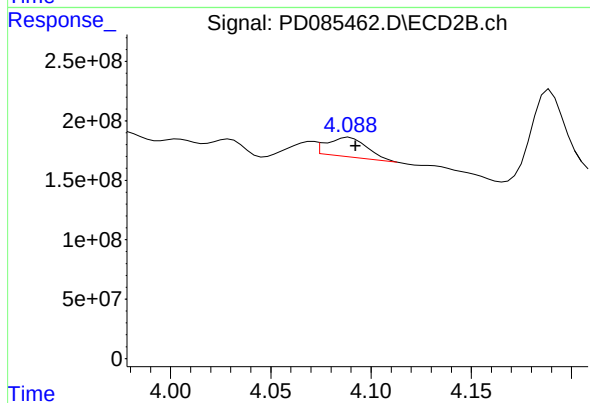
#3 gamma-BHC (Lindane)

R.T.: 3.735 min  
Delta R.T.: -0.005 min  
Response: 2063679604  
Conc: 396.00 ng/ml m



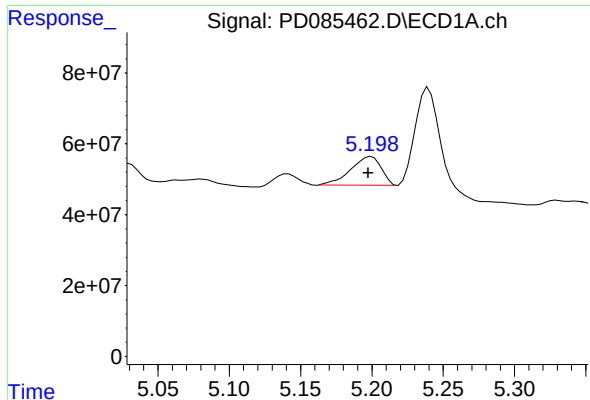
#4 Heptachlor

R.T.: 4.855 min  
Delta R.T.: -0.002 min  
Response: 111556839  
Conc: 52.83 ng/ml m



#4 Heptachlor

R.T.: 4.088 min  
Delta R.T.: -0.004 min  
Response: 219043455  
Conc: 46.14 ng/ml m



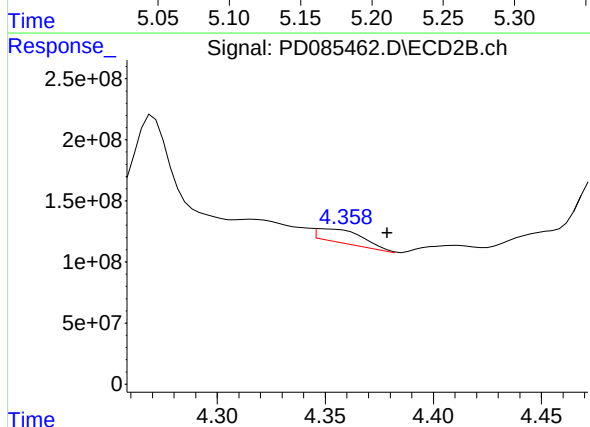
#5 Aldrin

R.T.: 5.199 min  
Delta R.T.: 0.000 min  
Response: 120885611  
Conc: 55.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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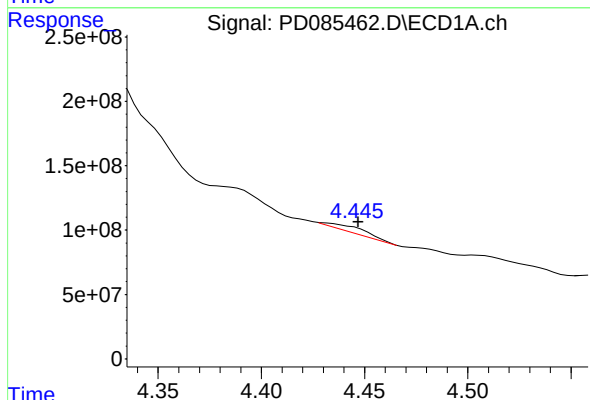
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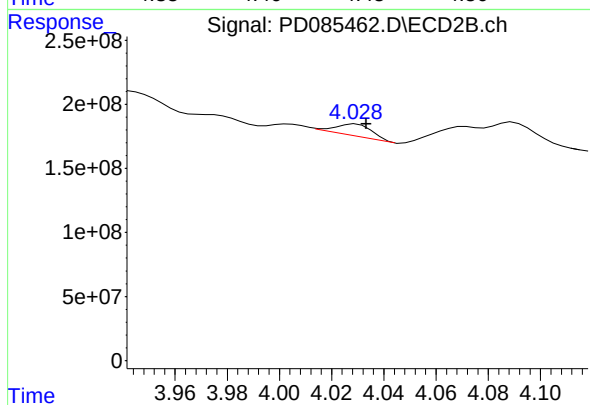
#5 Aldrin

R.T.: 4.358 min  
Delta R.T.: -0.020 min  
Response: 152876060  
Conc: 30.16 ng/ml



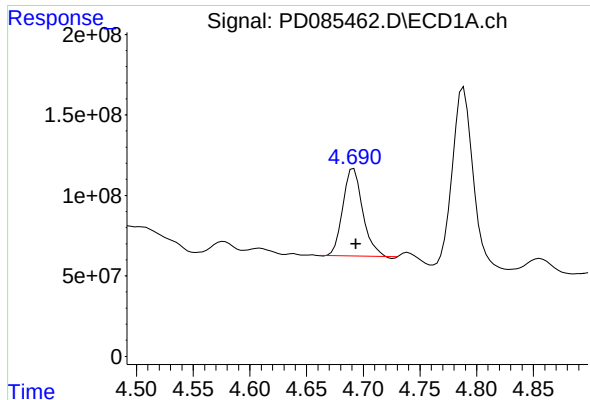
#6 beta-BHC

R.T.: 4.445 min  
Delta R.T.: -0.002 min  
Response: 57897206  
Conc: 60.71 ng/ml



#6 beta-BHC

R.T.: 4.028 min  
Delta R.T.: -0.005 min  
Response: 84813073  
Conc: 36.47 ng/ml



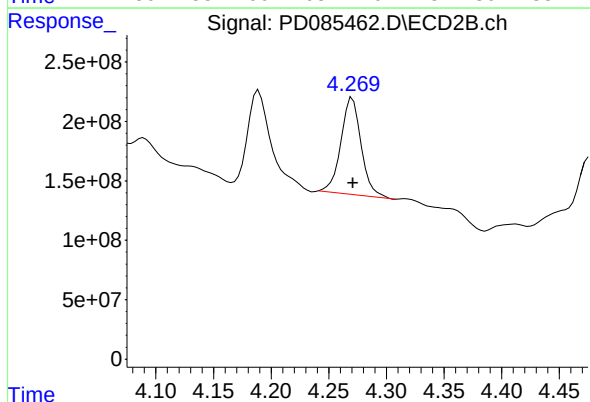
#7 delta-BHC

R.T.: 4.692 min  
Delta R.T.: -0.002 min  
Response: 655135051  
Conc: 287.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

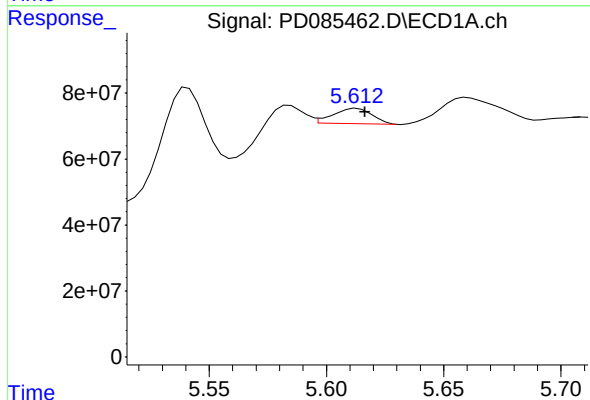
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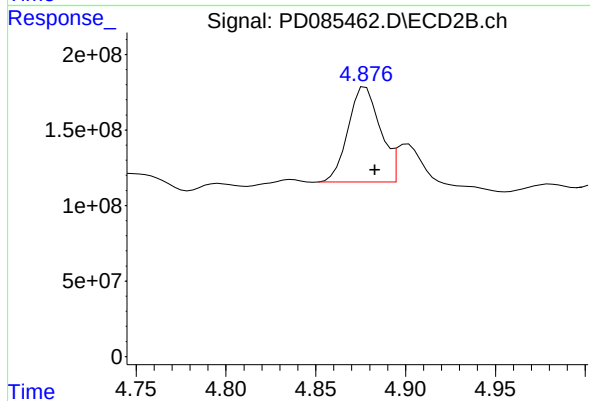
#7 delta-BHC

R.T.: 4.270 min  
Delta R.T.: 0.000 min  
Response: 990206856  
Conc: 187.98 ng/ml



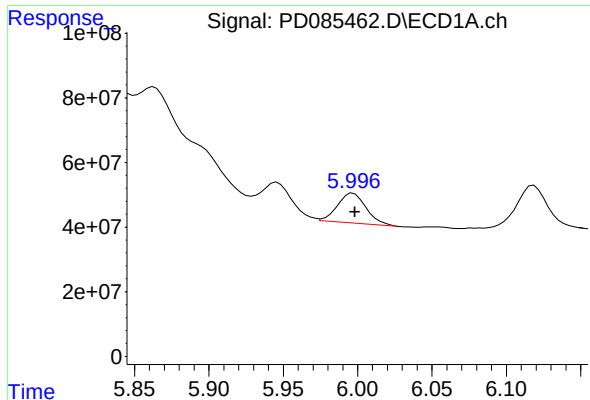
#8 Heptachlor epoxide

R.T.: 5.612 min  
Delta R.T.: -0.005 min  
Response: 53104185  
Conc: 26.59 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.878 min  
Delta R.T.: -0.005 min  
Response: 781467020  
Conc: 168.34 ng/ml



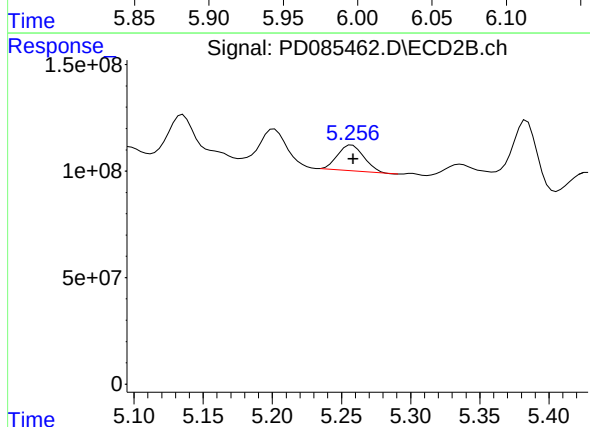
#9 Endosulfan I

R.T.: 5.996 min  
Delta R.T.: -0.002 min  
Response: 122746465  
Conc: 69.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

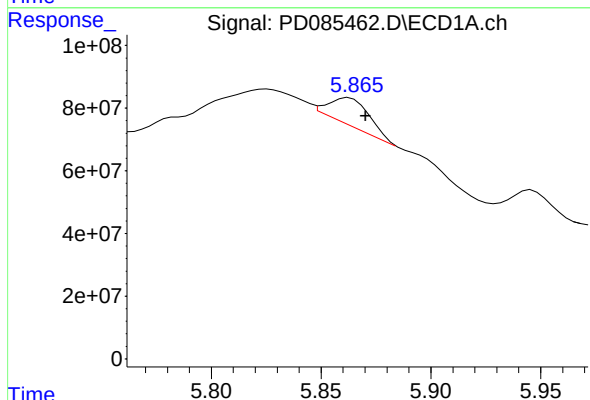
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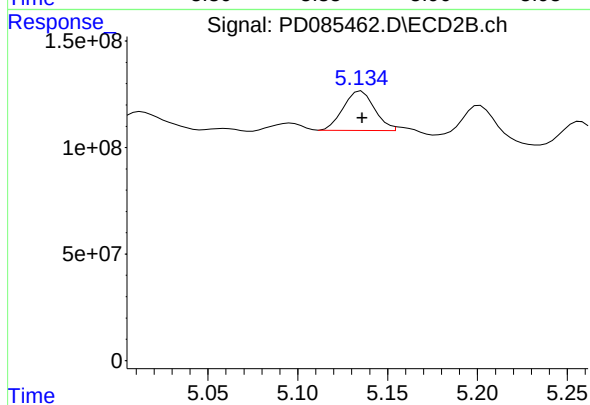
#9 Endosulfan I

R.T.: 5.258 min  
Delta R.T.: -0.001 min  
Response: 150816354  
Conc: 36.70 ng/ml



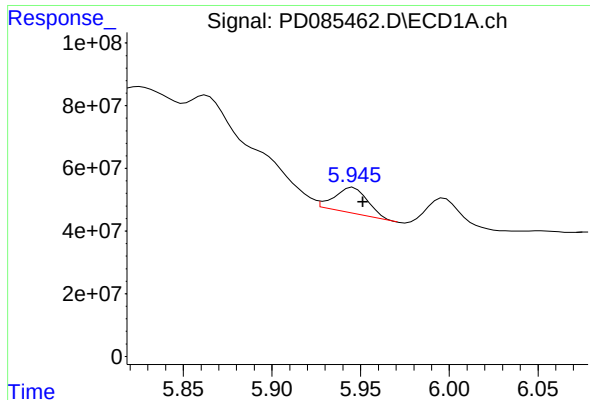
#10 trans-Chlordane

R.T.: 5.865 min  
Delta R.T.: -0.005 min  
Response: 106801553  
Conc: 56.12 ng/ml m



#10 trans-Chlordane

R.T.: 5.134 min  
Delta R.T.: -0.002 min  
Response: 222280904  
Conc: 49.12 ng/ml m



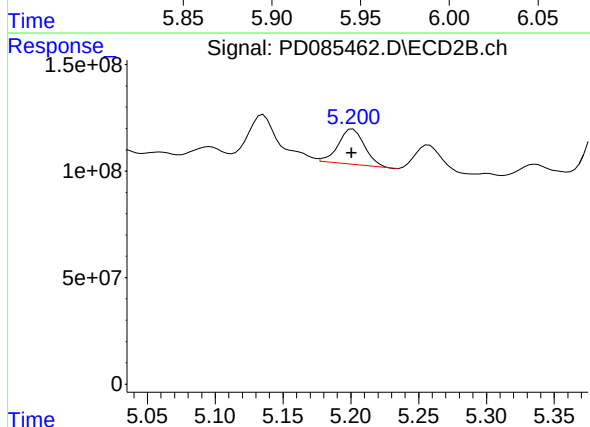
#11 cis-Chlordane

R.T.: 5.945 min  
Delta R.T.: -0.006 min  
Response: 103339790  
Conc: 51.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

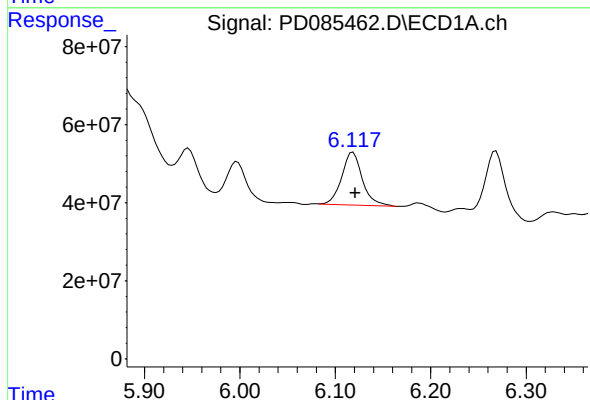
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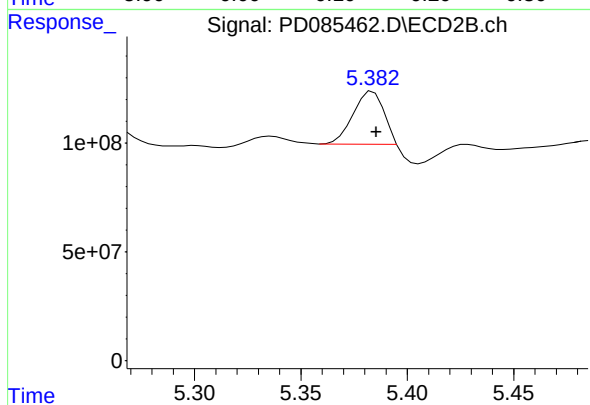
#11 cis-Chlordane

R.T.: 5.201 min  
Delta R.T.: 0.000 min  
Response: 222017319  
Conc: 47.86 ng/ml



#12 4,4'-DDE

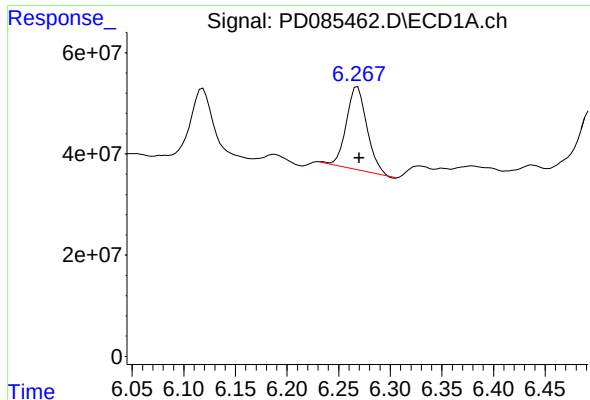
R.T.: 6.117 min  
Delta R.T.: -0.004 min  
Response: 204365901  
Conc: 116.91 ng/ml m



#12 4,4'-DDE

R.T.: 5.382 min  
Delta R.T.: -0.003 min  
Response: 243293870  
Conc: 56.79 ng/ml m





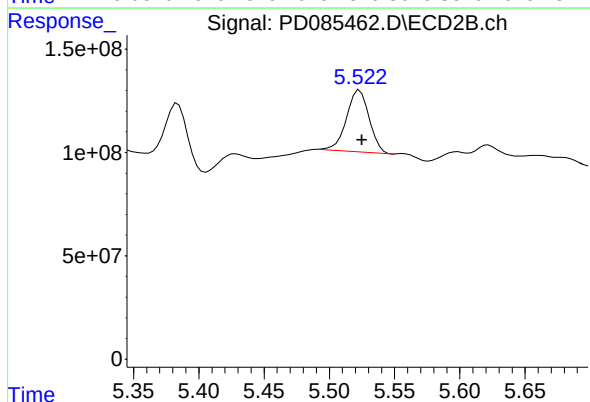
#13 Dieldrin

R.T.: 6.268 min  
Delta R.T.: -0.002 min  
Response: 229088070  
Conc: 118.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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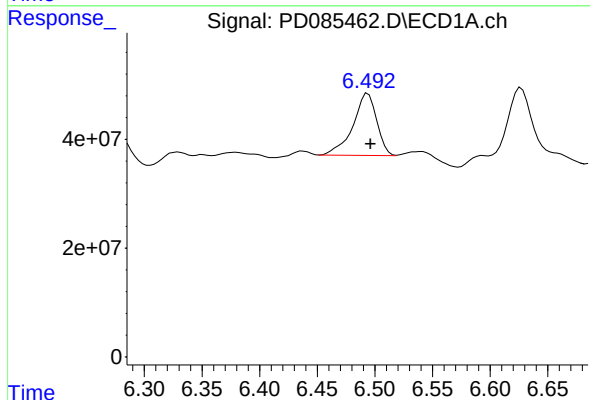
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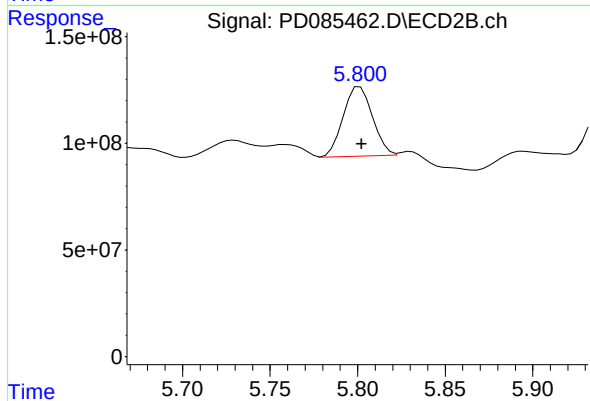
#13 Dieldrin

R.T.: 5.523 min  
Delta R.T.: -0.002 min  
Response: 360667637  
Conc: 77.48 ng/ml



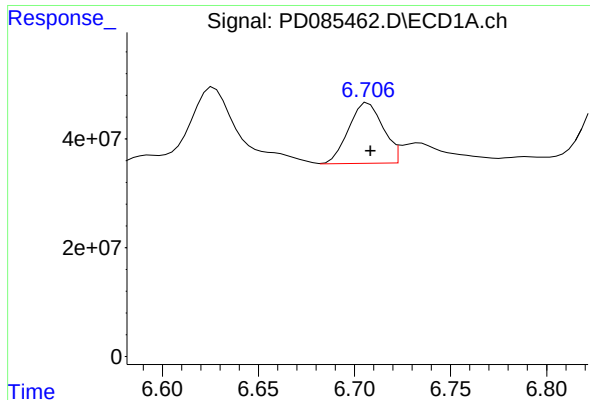
#14 Endrin

R.T.: 6.492 min  
Delta R.T.: -0.004 min  
Response: 164387687  
Conc: 102.24 ng/ml m



#14 Endrin

R.T.: 5.800 min  
Delta R.T.: -0.002 min  
Response: 383118052  
Conc: 92.37 ng/ml m



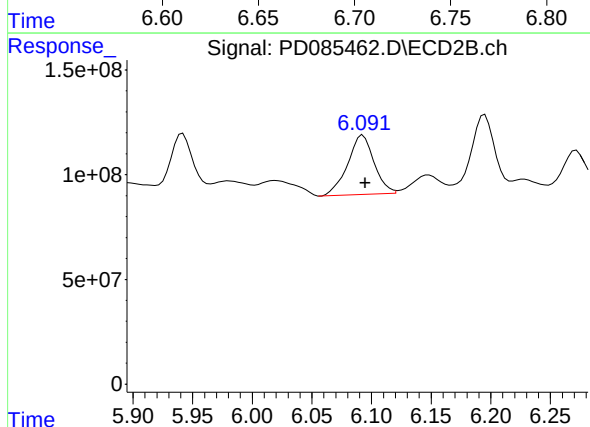
#15 Endosulfan II

R.T.: 6.706 min  
Delta R.T.: -0.003 min  
Response: 143285023  
Conc: 78.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

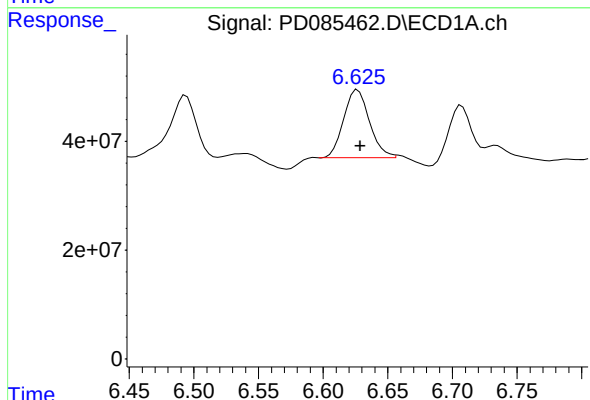
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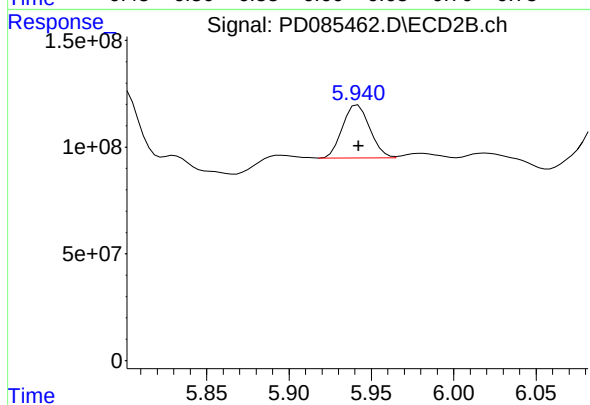
#15 Endosulfan II

R.T.: 6.091 min  
Delta R.T.: -0.003 min  
Response: 436716237  
Conc: 118.03 ng/ml



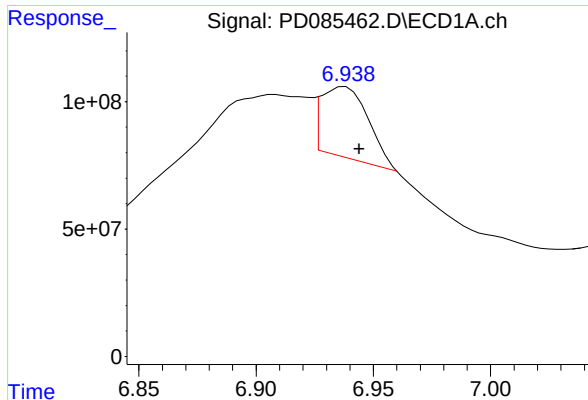
#16 4,4'-DDD

R.T.: 6.625 min  
Delta R.T.: -0.003 min  
Response: 174130214  
Conc: 132.16 ng/ml



#16 4,4'-DDD

R.T.: 5.940 min  
Delta R.T.: -0.002 min  
Response: 285975438  
Conc: 85.39 ng/ml



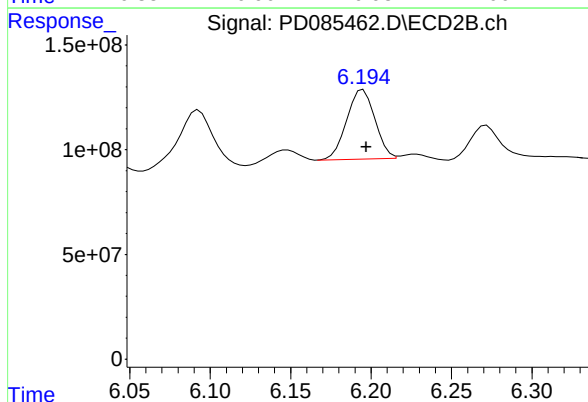
#17 4,4'-DDT

R.T.: 6.938 min  
Delta R.T.: -0.006 min  
Response: 369158230  
Conc: 302.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

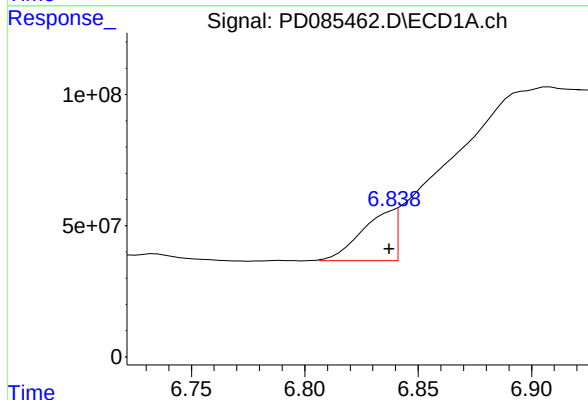
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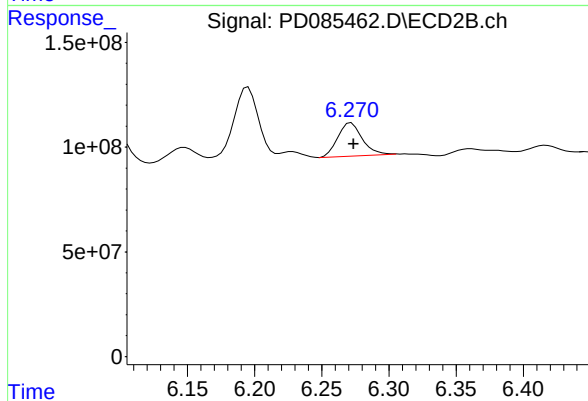
#17 4,4'-DDT

R.T.: 6.194 min  
Delta R.T.: -0.003 min  
Response: 407352952  
Conc: 128.61 ng/ml



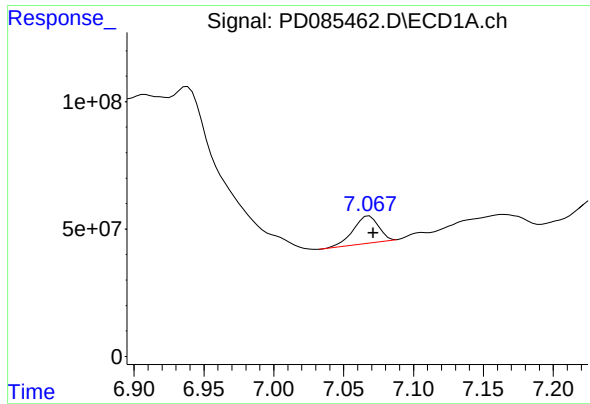
#18 Endrin aldehyde

R.T.: 6.838 min  
Delta R.T.: 0.001 min  
Response: 178288718  
Conc: 150.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min  
Delta R.T.: -0.003 min  
Response: 202627329  
Conc: 73.28 ng/ml



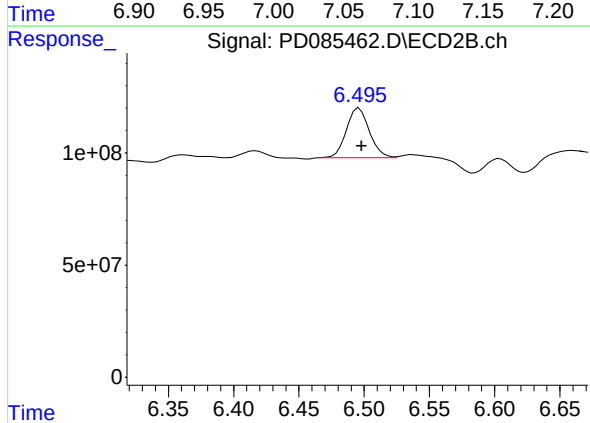
#19 Endosulfan Sulfate

R.T.: 7.067 min  
Delta R.T.: -0.004 min  
Response: 138733053  
Conc: 91.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

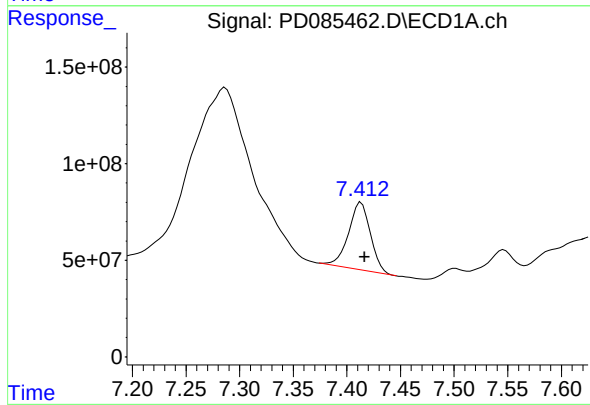
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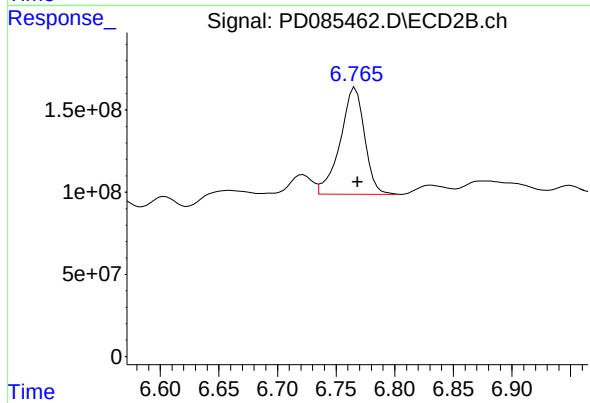
#19 Endosulfan Sulfate

R.T.: 6.496 min  
Delta R.T.: -0.002 min  
Response: 271178647  
Conc: 78.96 ng/ml



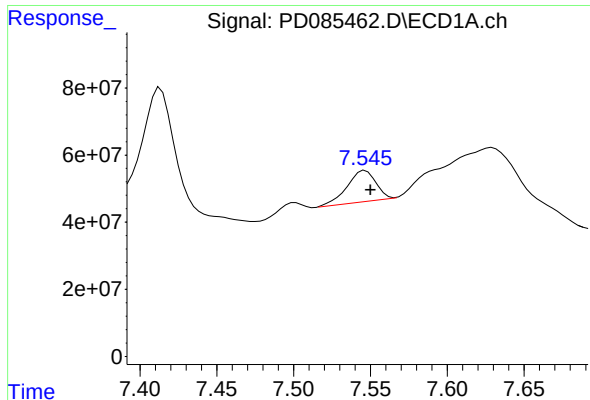
#20 Methoxychlor

R.T.: 7.412 min  
Delta R.T.: -0.004 min  
Response: 496669158  
Conc: 678.84 ng/ml m



#20 Methoxychlor

R.T.: 6.765 min  
Delta R.T.: -0.004 min  
Response: 931659734  
Conc: 574.06 ng/ml m



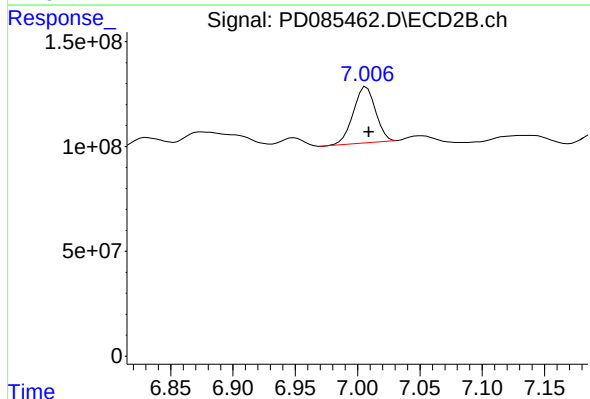
#21 Endrin ketone

R.T.: 7.546 min  
Delta R.T.: -0.004 min  
Response: 119144781  
Conc: 74.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DDC23MS

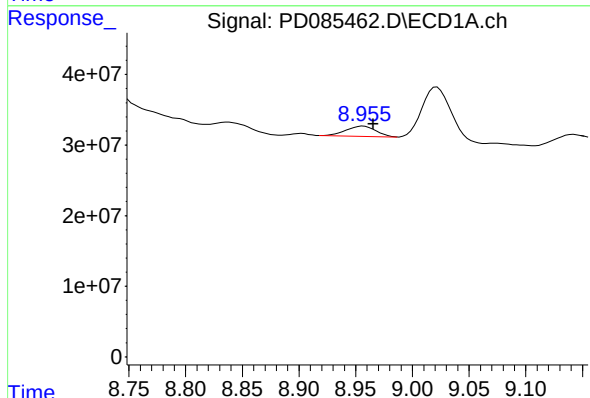
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/23/2024  
Supervised By :Ankita Jodhani 09/23/2024



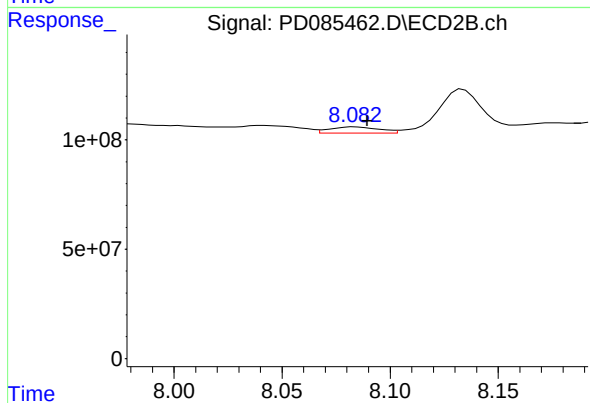
#21 Endrin ketone

R.T.: 7.006 min  
Delta R.T.: -0.004 min  
Response: 334733187  
Conc: 72.07 ng/ml m



#27 Decachlorobiphenyl

R.T.: 8.955 min  
Delta R.T.: -0.010 min  
Response: 26923351  
Conc: 16.41 ng/ml m



#27 Decachlorobiphenyl

R.T.: 8.082 min  
Delta R.T.: -0.007 min  
Response: 43747978  
Conc: 16.36 ng/ml m