

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080919\  
 Data File : PD054225.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 09 Aug 2019 15:06  
 Operator : SM\AJ  
 Sample : WATER IDOC 03  
 Misc : FOR STEPHEN GRAMS  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 WATER IDOC 03

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 10 05:51:59 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071919.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jul 19 04:33:23 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.313 | 3.983 | 12387836 | 16315761 | 21.524  | 18.730 |
| 28)                         | SA Decachlor... | 8.008 | 9.026 | 13785012 | 19077106 | 20.478  | 20.578 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.742 | 4.370 | 47801618 | 59999071 | 55.192  | 47.564 |
| 3)                          | MA gamma-BHC... | 4.019 | 4.653 | 45249946 | 57703415 | 55.163  | 47.047 |
| 4)                          | MA Heptachlor   | 4.307 | 5.160 | 41514797 | 59456564 | 56.969  | 47.463 |
| 5)                          | MB Aldrin       | 4.548 | 5.465 | 45167415 | 59861355 | 56.837  | 48.685 |
| 6)                          | B beta-BHC      | 4.268 | 4.820 | 19586029 | 27094515 | 55.607  | 48.392 |
| 7)                          | B delta-BHC     | 4.466 | 5.036 | 42773541 | 54833573 | 51.016  | 42.362 |
| 8)                          | B Heptachlor... | 4.987 | 5.848 | 41590263 | 56968775 | 54.823  | 47.110 |
| 9)                          | A Endosulfan I  | 5.319 | 6.204 | 39790343 | 54751938 | 53.555  | 47.149 |
| 10)                         | B gamma-Chl...  | 5.209 | 6.081 | 43524277 | 60735104 | 53.510  | 46.107 |
| 11)                         | B alpha-Chl...  | 5.267 | 6.154 | 42773752 | 60055825 | 52.798  | 46.253 |
| 12)                         | B 4,4'-DDE      | 5.436 | 6.310 | 41659374 | 59492399 | 52.574  | 48.419 |
| 13)                         | MA Dieldrin     | 5.560 | 6.459 | 43629760 | 60249481 | 53.723  | 47.948 |
| 14)                         | MA Endrin       | 5.814 | 6.676 | 39714841 | 50038798 | 53.032  | 47.742 |
| 15)                         | B Endosulfa...  | 6.087 | 6.883 | 38382334 | 54257631 | 51.297  | 46.922 |
| 16)                         | A 4,4'-DDD      | 5.948 | 6.797 | 31222463 | 48760066 | 52.169  | 48.264 |
| 17)                         | MA 4,4'-DDT     | 6.184 | 7.095 | 30457723 | 49720569 | 52.888  | 50.471 |
| 18)                         | B Endrin al...  | 6.256 | 7.007 | 32089068 | 46714276 | 50.520  | 46.971 |
| 19)                         | B Endosulfa...  | 6.467 | 7.229 | 37683112 | 54456572 | 53.607  | 50.114 |
| 20)                         | A Methoxychlor  | 6.735 | 7.551 | 14252033 | 26092579 | 49.871  | 48.630 |
| 21)                         | B Endrin ke...  | 6.952 | 7.698 | 43421267 | 61033451 | 54.181m | 50.198 |
| 22)                         | Mirex           | 7.131 | 8.153 | 33265449 | 44985928 | 51.134  | 48.808 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080919\  
Data File : PD054225.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 09 Aug 2019 15:06  
Operator : SM\AJ  
Sample : WATER IDOC 03  
Misc : FOR STEPHEN GRAMS  
ALS Vial : 13 Sample Multiplier: 1

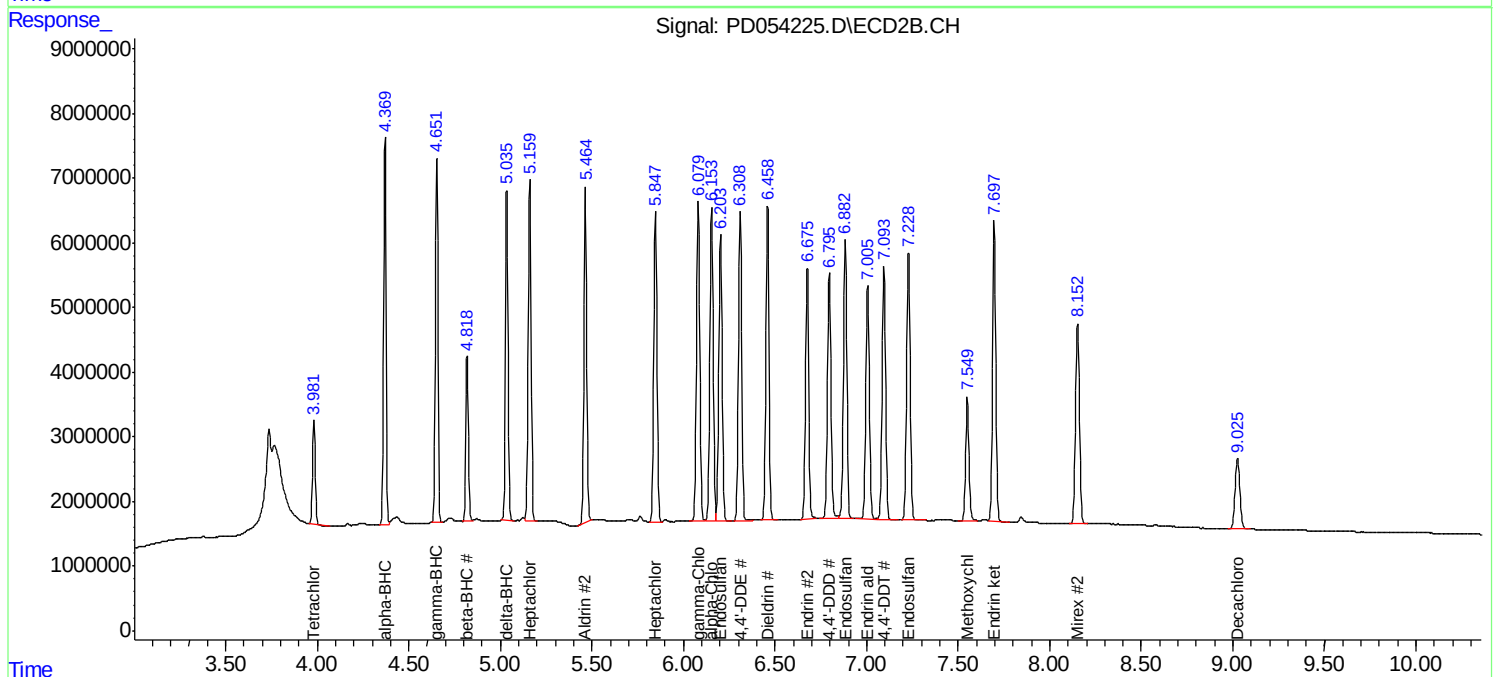
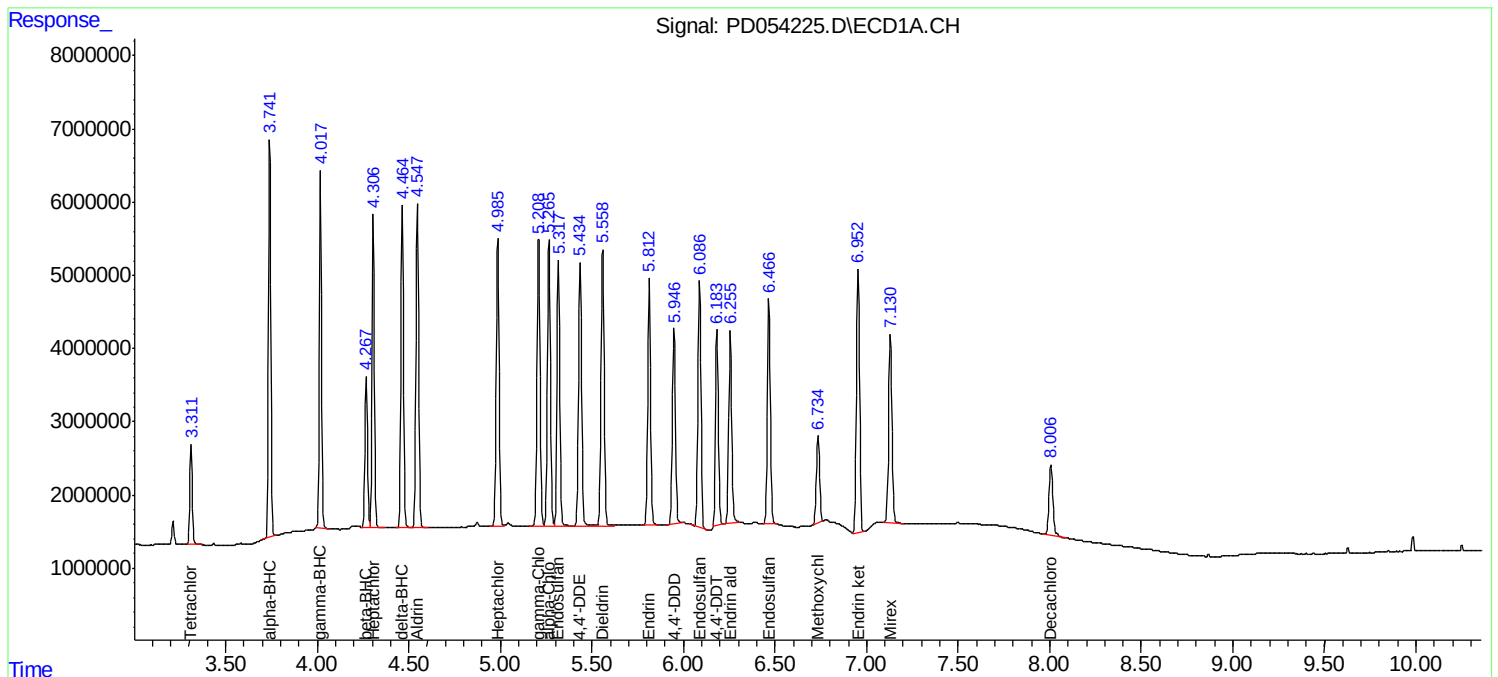
Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

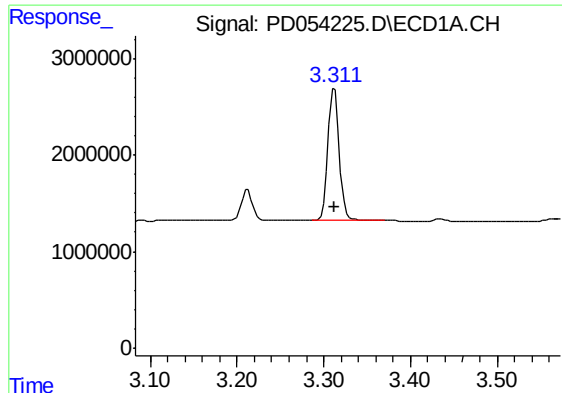
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 10 05:51:59 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071919.M  
Quant Title : GC Extractables  
QLast Update : Fri Jul 19 04:33:23 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm





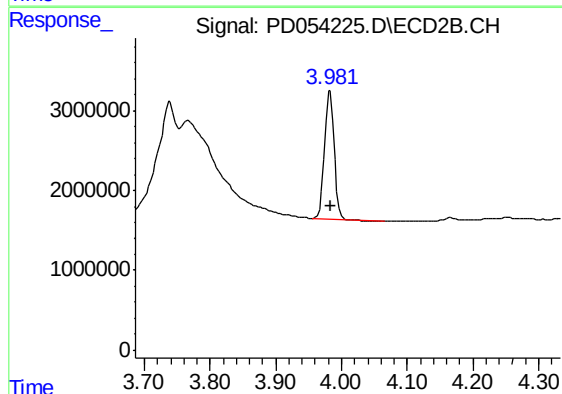
#1 Tetrachloro-m-xylene

R.T.: 3.313 min  
Delta R.T.: 0.000 min  
Response: 12387836  
Conc: 21.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

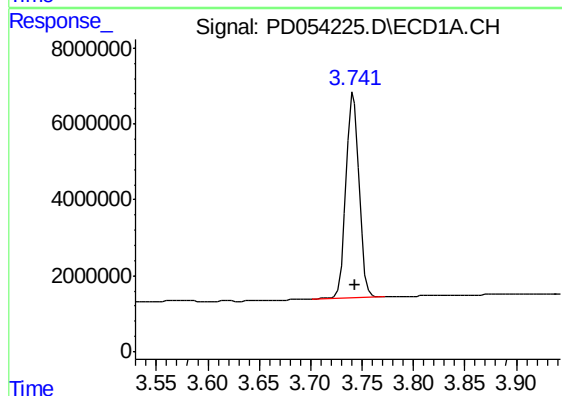
Manual Integrations  
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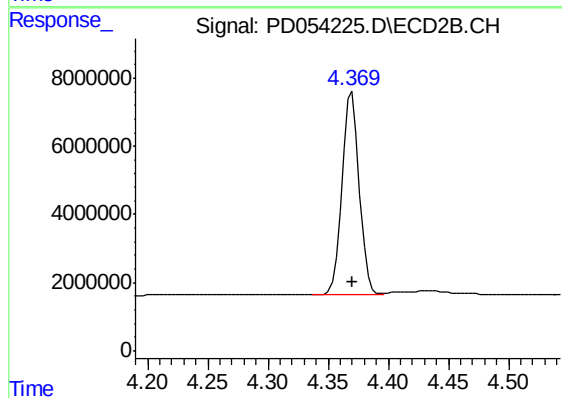
#1 Tetrachloro-m-xylene

R.T.: 3.983 min  
Delta R.T.: 0.000 min  
Response: 16315761  
Conc: 18.73 ng/ml



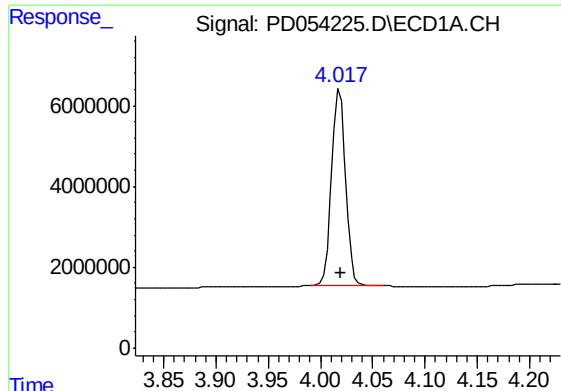
#2 alpha-BHC

R.T.: 3.742 min  
Delta R.T.: 0.000 min  
Response: 47801618  
Conc: 55.19 ng/ml



#2 alpha-BHC

R.T.: 4.370 min  
Delta R.T.: 0.000 min  
Response: 59999071  
Conc: 47.56 ng/ml



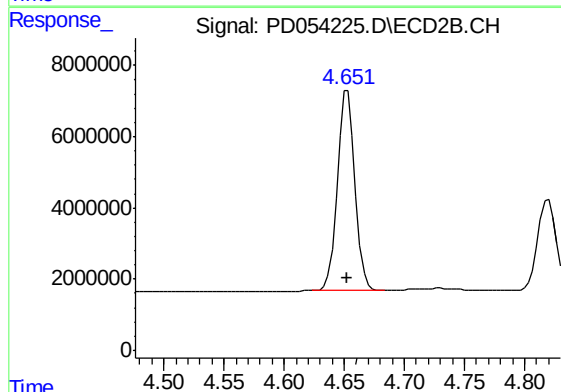
#3 gamma-BHC (Lindane)

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 45249946  
Conc: 55.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

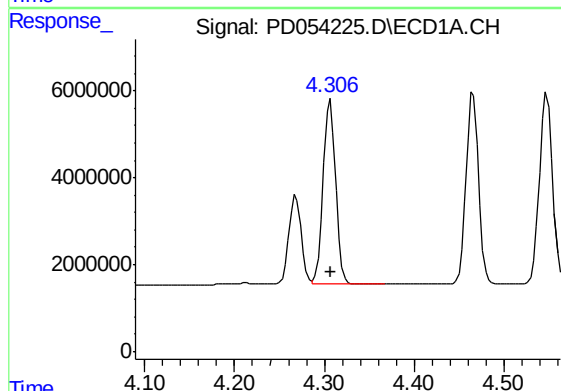
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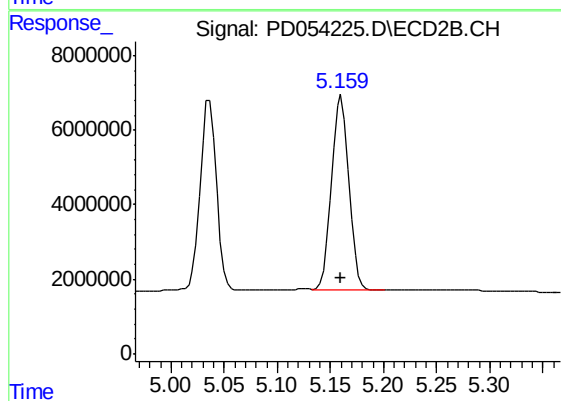
#3 gamma-BHC (Lindane)

R.T.: 4.653 min  
Delta R.T.: 0.000 min  
Response: 57703415  
Conc: 47.05 ng/ml



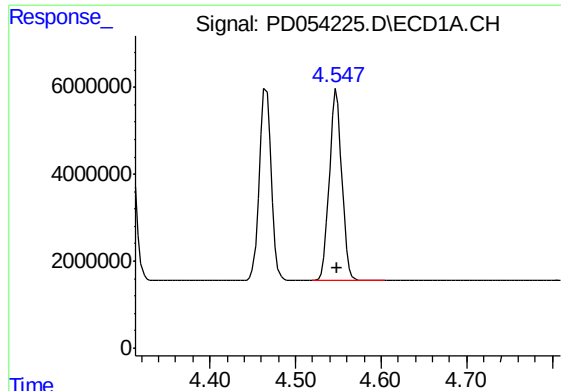
#4 Heptachlor

R.T.: 4.307 min  
Delta R.T.: 0.000 min  
Response: 41514797  
Conc: 56.97 ng/ml



#4 Heptachlor

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 59456564  
Conc: 47.46 ng/ml



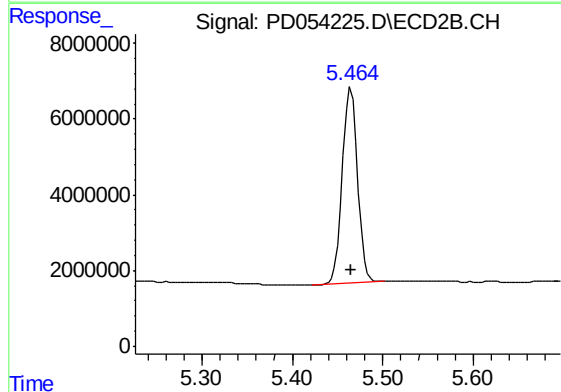
#5 Aldrin

R.T.: 4.548 min  
Delta R.T.: 0.000 min  
Response: 45167415  
Conc: 56.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

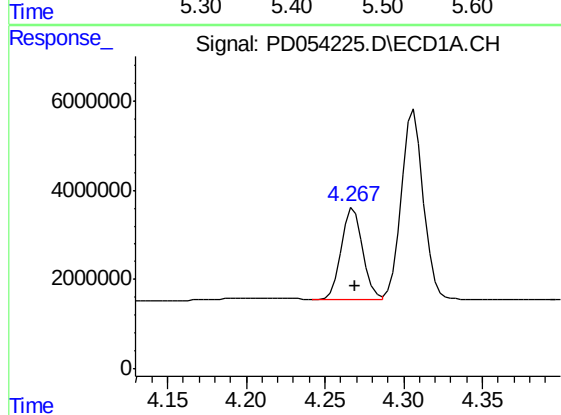
Manual Integrations  
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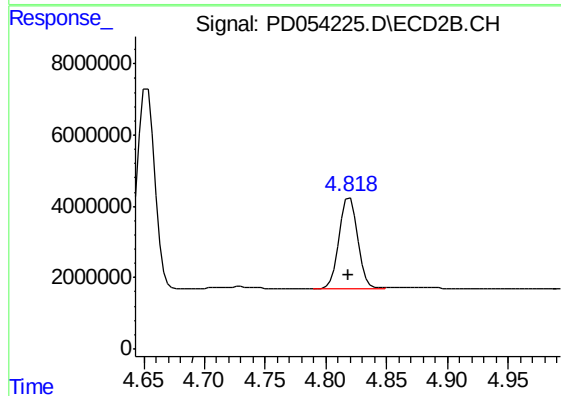
#5 Aldrin

R.T.: 5.465 min  
Delta R.T.: 0.000 min  
Response: 59861355  
Conc: 48.69 ng/ml



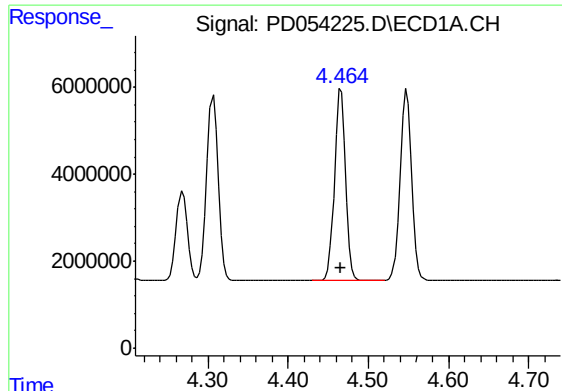
#6 beta-BHC

R.T.: 4.268 min  
Delta R.T.: 0.000 min  
Response: 19586029  
Conc: 55.61 ng/ml



#6 beta-BHC

R.T.: 4.820 min  
Delta R.T.: 0.000 min  
Response: 27094515  
Conc: 48.39 ng/ml



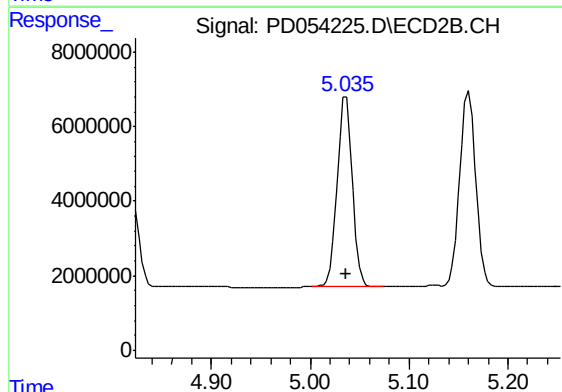
#7 delta-BHC

R.T.: 4.466 min  
Delta R.T.: 0.000 min  
Response: 42773541  
Conc: 51.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

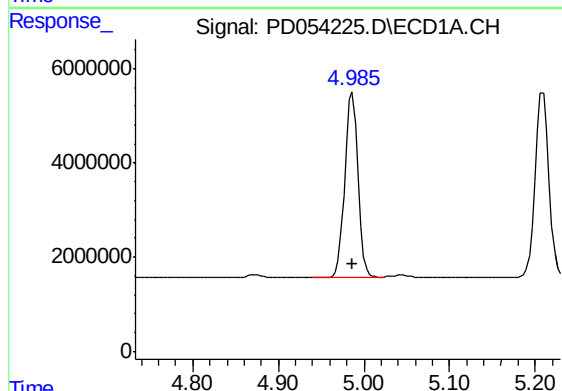
Manual Integrations  
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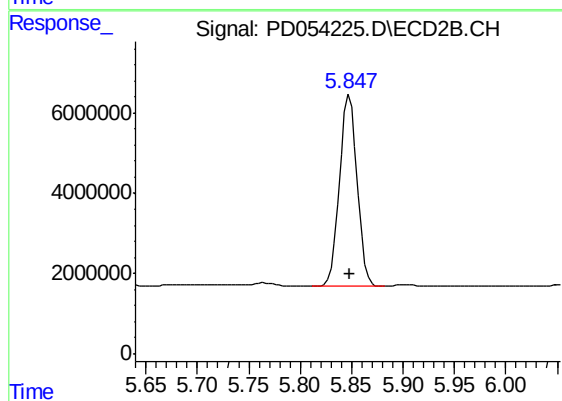
#7 delta-BHC

R.T.: 5.036 min  
Delta R.T.: 0.000 min  
Response: 54833573  
Conc: 42.36 ng/ml



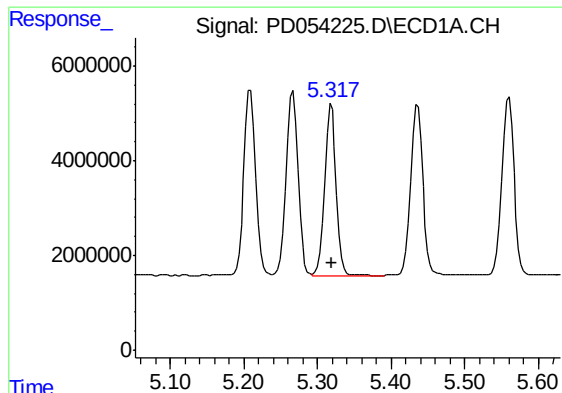
#8 Heptachlor epoxide

R.T.: 4.987 min  
Delta R.T.: 0.000 min  
Response: 41590263  
Conc: 54.82 ng/ml



#8 Heptachlor epoxide

R.T.: 5.848 min  
Delta R.T.: 0.000 min  
Response: 56968775  
Conc: 47.11 ng/ml



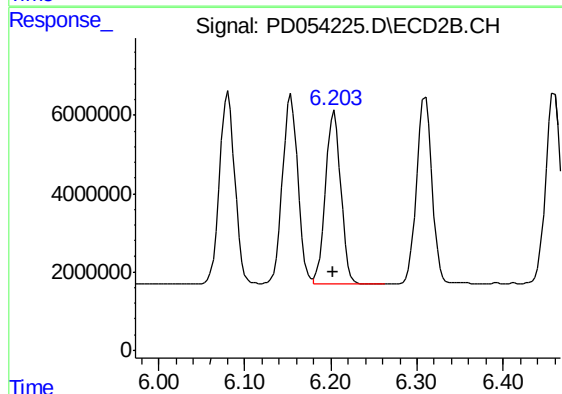
#9 Endosulfan I

R.T.: 5.319 min  
Delta R.T.: 0.000 min  
Response: 39790343  
Conc: 53.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

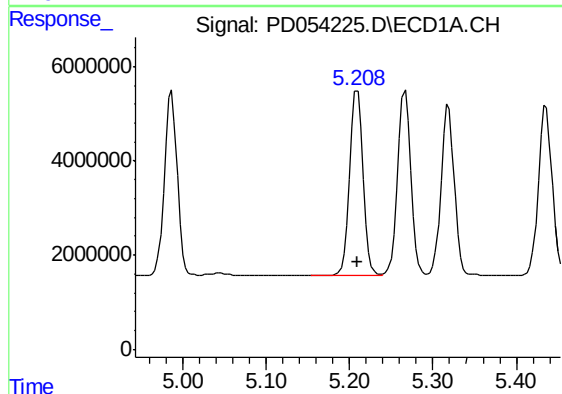
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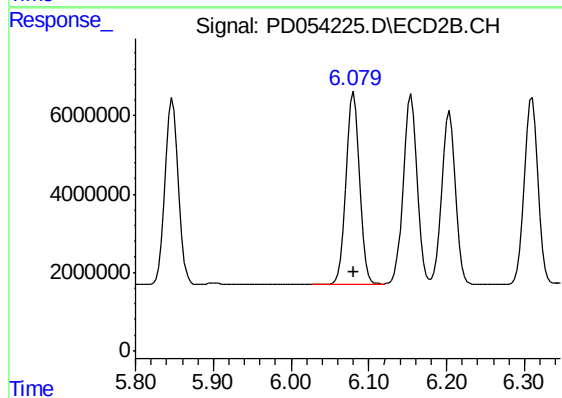
#9 Endosulfan I

R.T.: 6.204 min  
Delta R.T.: 0.000 min  
Response: 54751938  
Conc: 47.15 ng/ml



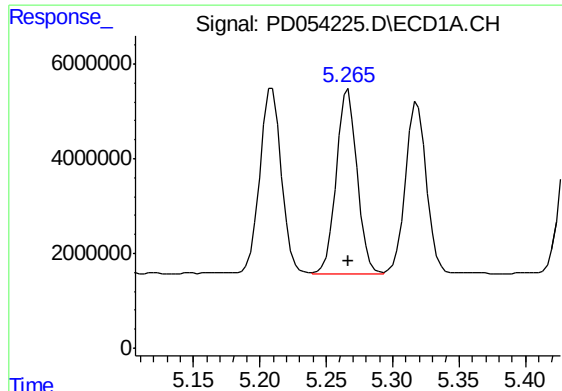
#10 gamma-Chlordane

R.T.: 5.209 min  
Delta R.T.: 0.000 min  
Response: 43524277  
Conc: 53.51 ng/ml



#10 gamma-Chlordane

R.T.: 6.081 min  
Delta R.T.: 0.000 min  
Response: 60735104  
Conc: 46.11 ng/ml



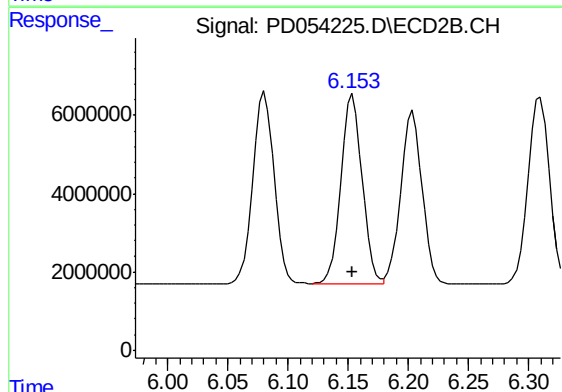
#11 alpha-Chlordane

R.T.: 5.267 min  
Delta R.T.: 0.000 min  
Response: 42773752  
Conc: 52.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

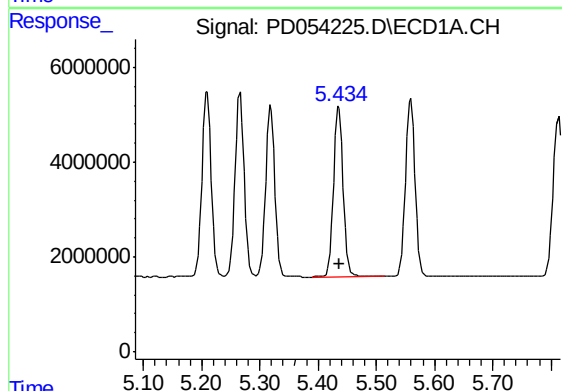
Manual Integrations  
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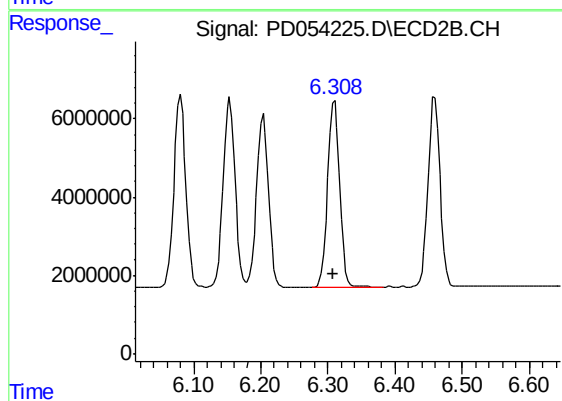
#11 alpha-Chlordane

R.T.: 6.154 min  
Delta R.T.: 0.000 min  
Response: 60055825  
Conc: 46.25 ng/ml



#12 4,4'-DDE

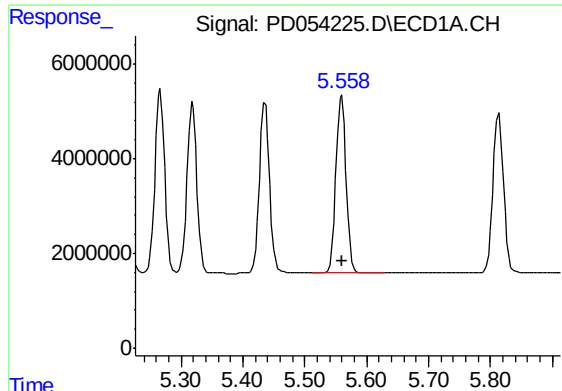
R.T.: 5.436 min  
Delta R.T.: 0.000 min  
Response: 41659374  
Conc: 52.57 ng/ml



#12 4,4'-DDE

R.T.: 6.310 min  
Delta R.T.: 0.001 min  
Response: 59492399  
Conc: 48.42 ng/ml





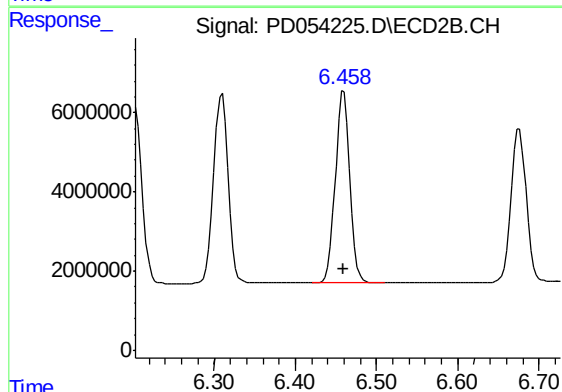
#13 Dieldrin

R.T.: 5.560 min  
Delta R.T.: 0.000 min  
Response: 43629760  
Conc: 53.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

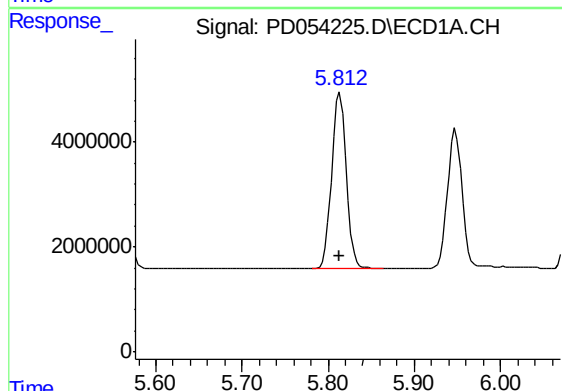
Manual Integrations  
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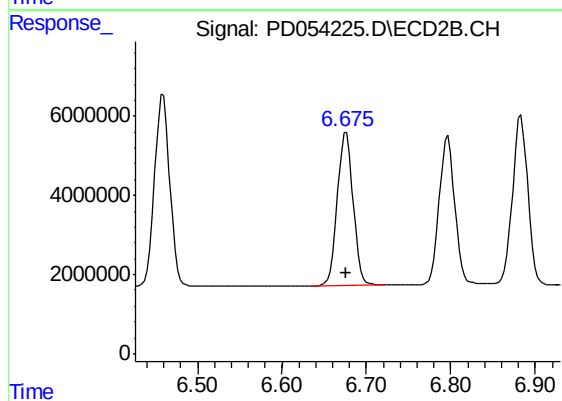
#13 Dieldrin

R.T.: 6.459 min  
Delta R.T.: 0.000 min  
Response: 60249481  
Conc: 47.95 ng/ml



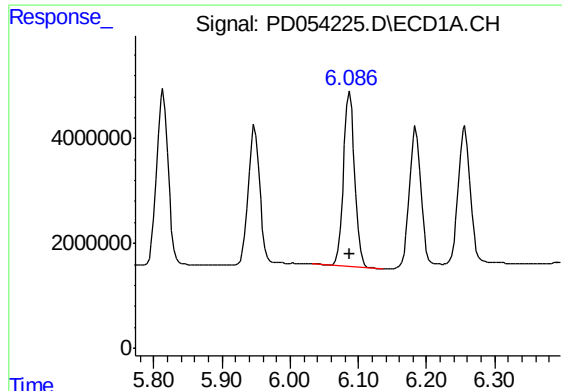
#14 Endrin

R.T.: 5.814 min  
Delta R.T.: 0.000 min  
Response: 39714841  
Conc: 53.03 ng/ml



#14 Endrin

R.T.: 6.676 min  
Delta R.T.: 0.000 min  
Response: 50038798  
Conc: 47.74 ng/ml



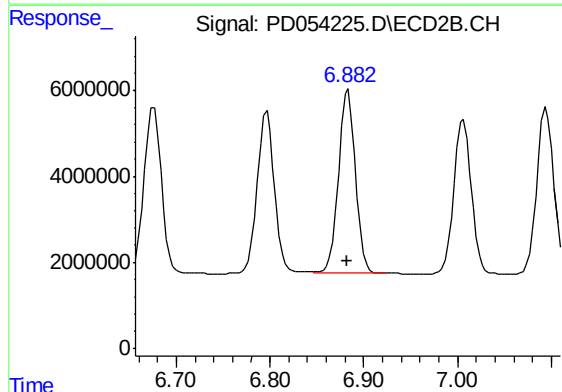
#15 Endosulfan II

R.T.: 6.087 min  
Delta R.T.: 0.000 min  
Response: 38382334  
Conc: 51.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

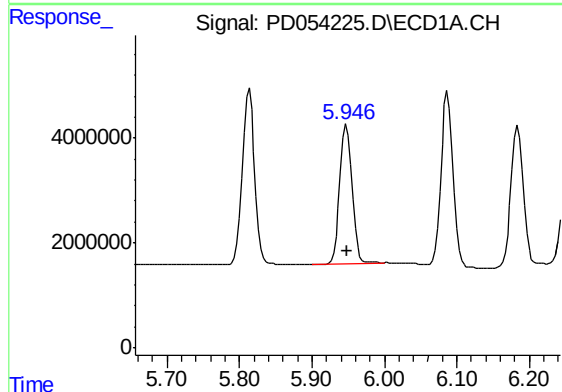
Manual Integrations  
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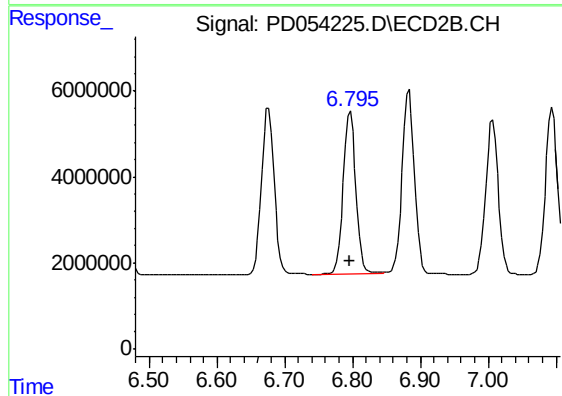
#15 Endosulfan II

R.T.: 6.883 min  
Delta R.T.: 0.000 min  
Response: 54257631  
Conc: 46.92 ng/ml



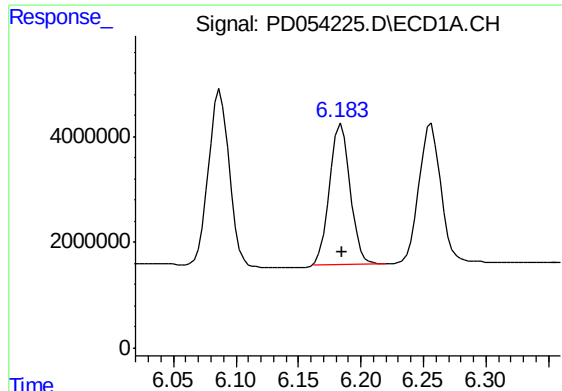
#16 4,4'-DDD

R.T.: 5.948 min  
Delta R.T.: 0.000 min  
Response: 31222463  
Conc: 52.17 ng/ml



#16 4,4'-DDD

R.T.: 6.797 min  
Delta R.T.: 0.000 min  
Response: 48760066  
Conc: 48.26 ng/ml



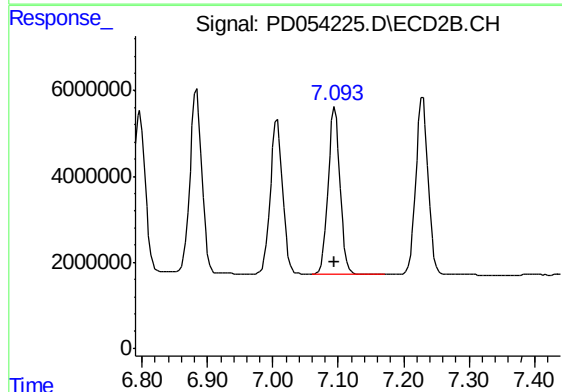
#17 4,4'-DDT

R.T.: 6.184 min  
Delta R.T.: 0.000 min  
Response: 30457723  
Conc: 52.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

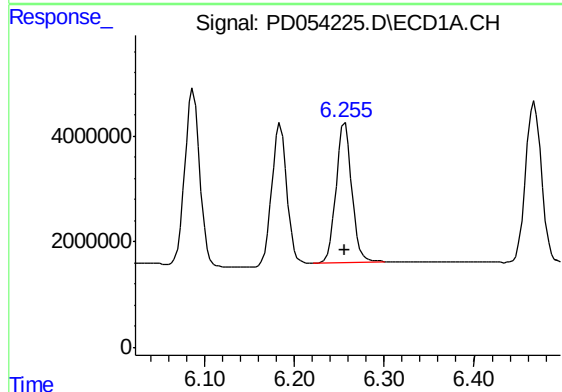
Manual Integrations  
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8/12/2019 1:20:33 PM



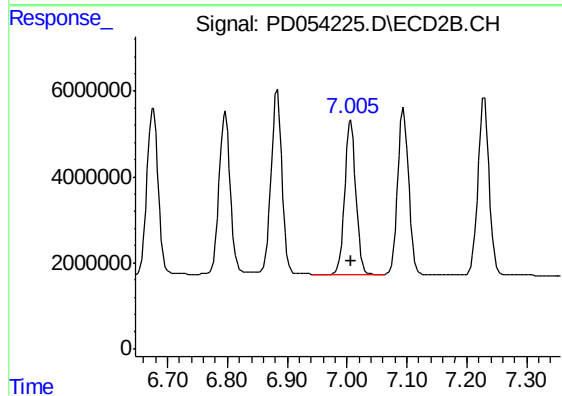
#17 4,4'-DDT

R.T.: 7.095 min  
Delta R.T.: 0.000 min  
Response: 49720569  
Conc: 50.47 ng/ml



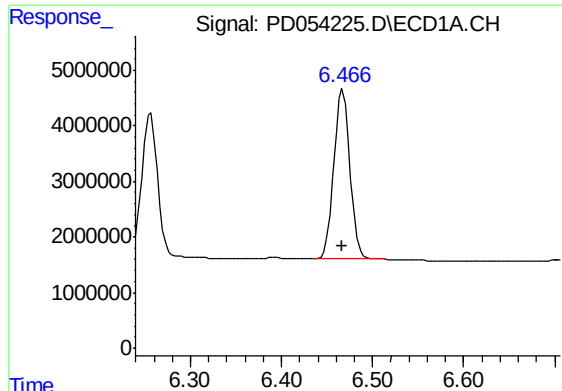
#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: 0.000 min  
Response: 32089068  
Conc: 50.52 ng/ml



#18 Endrin aldehyde

R.T.: 7.007 min  
Delta R.T.: 0.000 min  
Response: 46714276  
Conc: 46.97 ng/ml



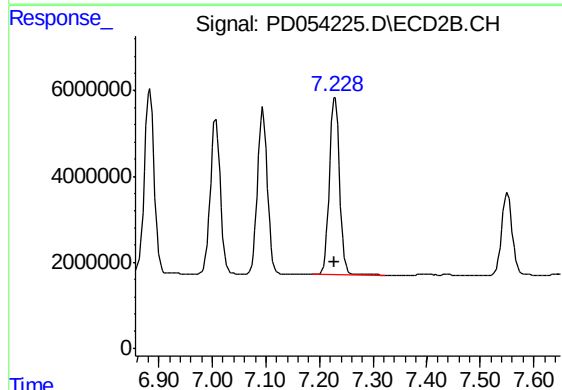
#19 Endosulfan Sulfate

R.T.: 6.467 min  
Delta R.T.: 0.000 min  
Response: 37683112  
Conc: 53.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

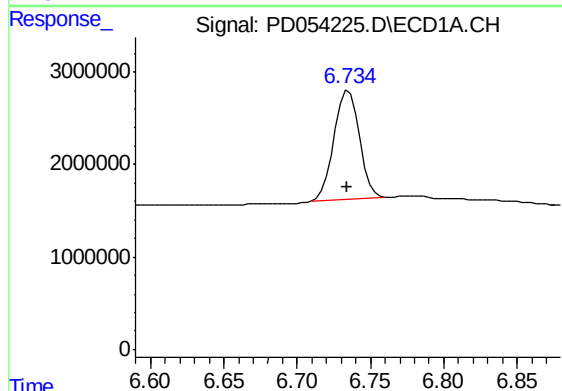
Manual Integrations  
APPROVED

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8/12/2019 1:20:33 PM



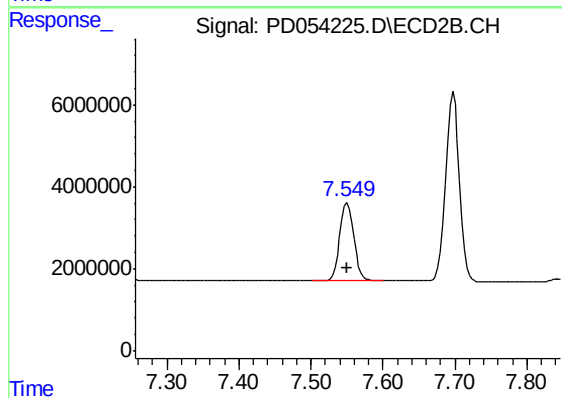
#19 Endosulfan Sulfate

R.T.: 7.229 min  
Delta R.T.: 0.001 min  
Response: 54456572  
Conc: 50.11 ng/ml



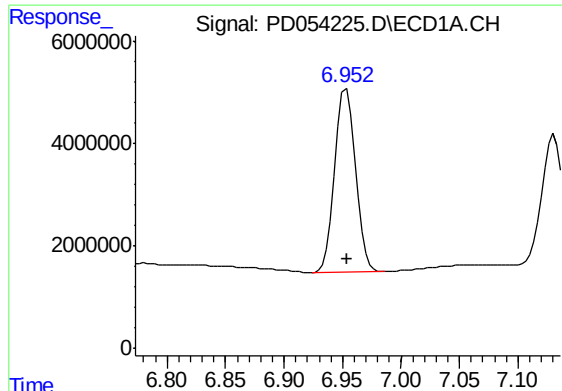
#20 Methoxychlor

R.T.: 6.735 min  
Delta R.T.: 0.000 min  
Response: 14252033  
Conc: 49.87 ng/ml



#20 Methoxychlor

R.T.: 7.551 min  
Delta R.T.: 0.000 min  
Response: 26092579  
Conc: 48.63 ng/ml



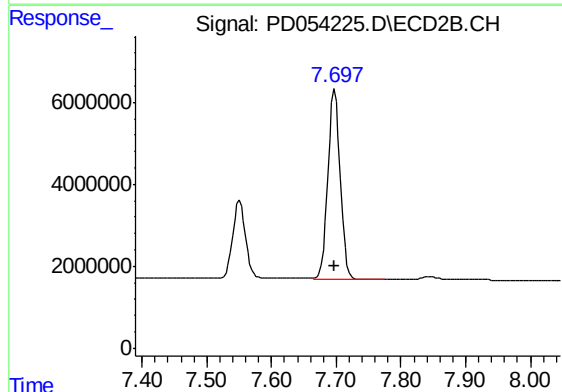
#21 Endrin ketone

R.T.: 6.952 min  
Delta R.T.: -0.002 min  
Response: 43421267  
Conc: 54.18 ng/ml m

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

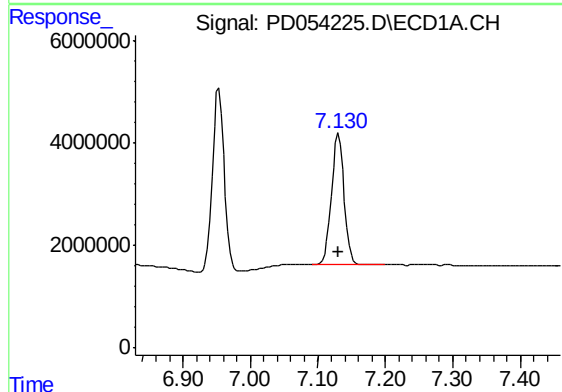
Manual Integrations  
APPROVED

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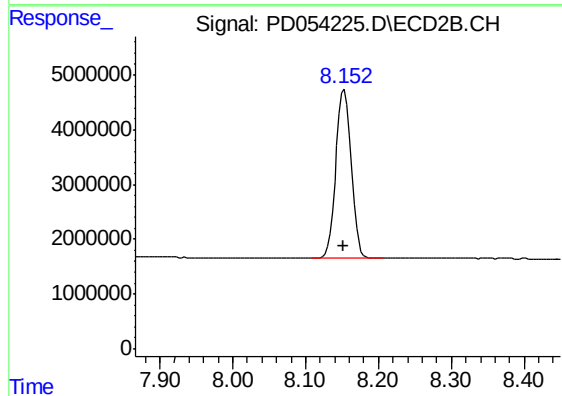
#21 Endrin ketone

R.T.: 7.698 min  
Delta R.T.: 0.000 min  
Response: 61033451  
Conc: 50.20 ng/ml



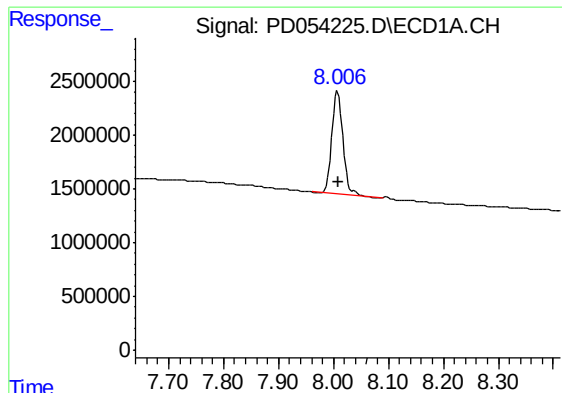
#22 Mirex

R.T.: 7.131 min  
Delta R.T.: 0.000 min  
Response: 33265449  
Conc: 51.13 ng/ml



#22 Mirex

R.T.: 8.153 min  
Delta R.T.: 0.001 min  
Response: 44985928  
Conc: 48.81 ng/ml



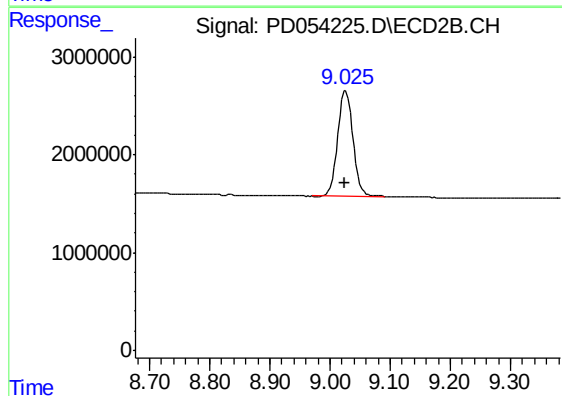
#28 Decachlorobiphenyl

R.T.: 8.008 min  
Delta R.T.: -0.001 min  
Response: 13785012  
Conc: 20.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
WATER IDOC 03

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 9.026 min  
Delta R.T.: 0.001 min  
Response: 19077106  
Conc: 20.58 ng/ml