

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110523\  
 Data File : PD079421.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Nov 2023 17:00  
 Operator : AR\AJ  
 Sample : PB156896BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB156896BSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/04/2023  
 Supervised By :mohammad ahmed 11/06/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 04 00:18:31 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102023.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 20 04:44:01 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... | 3.567 | 2.803 | 28961739 | 44633812 | 17.938  | 19.278  |
| 28)                         | SA Decachlor... | 9.113 | 7.950 | 36493635 | 49265645 | 18.192  | 20.212  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.024 | 3.306 | 125.6E6  | 178.2E6  | 47.166  | 51.399  |
| 3)                          | MA gamma-BHC... | 4.357 | 3.636 | 121.7E6  | 174.8E6  | 46.824  | 51.470  |
| 4)                          | MA Heptachlor   | 4.950 | 3.979 | 121.6E6  | 166.0E6  | 45.455  | 54.366  |
| 5)                          | MB Aldrin       | 5.294 | 4.260 | 121.2E6  | 170.7E6  | 47.029  | 52.189  |
| 6)                          | B beta-BHC      | 4.551 | 3.931 | 48733422 | 70426879 | 45.478  | 49.980  |
| 7)                          | B delta-BHC     | 4.799 | 4.162 | 123.2E6  | 175.6E6  | 46.038m | 52.444  |
| 8)                          | B Heptachlo...  | 5.720 | 4.761 | 110.6E6  | 155.5E6  | 47.174  | 52.456  |
| 9)                          | A Endosulfan I  | 6.107 | 5.130 | 103.1E6  | 142.0E6  | 47.549  | 53.638m |
| 10)                         | B gamma-Chl...  | 5.976 | 5.010 | 108.6E6  | 152.9E6  | 47.357  | 53.279m |
| 11)                         | B alpha-Chl...  | 6.056 | 5.075 | 107.9E6  | 151.2E6  | 47.307  | 52.682m |
| 12)                         | B 4,4'-DDE      | 6.226 | 5.265 | 101.5E6  | 143.2E6  | 48.052  | 53.782  |
| 13)                         | MA Dieldrin     | 6.382 | 5.397 | 111.4E6  | 159.2E6  | 47.818  | 53.611  |
| 14)                         | MA Endrin       | 6.612 | 5.672 | 93877466 | 142.4E6  | 48.201  | 55.643  |
| 15)                         | B Endosulfa...  | 6.830 | 5.964 | 94499520 | 135.7E6  | 46.332  | 54.341  |
| 16)                         | A 4,4'-DDD      | 6.744 | 5.819 | 84545781 | 125.0E6  | 48.094  | 54.724  |
| 17)                         | MA 4,4'-DDT     | 7.059 | 6.071 | 84599934 | 119.8E6  | 44.675  | 52.325  |
| 18)                         | B Endrin al...  | 6.959 | 6.143 | 74407345 | 104.8E6  | 48.182m | 56.376  |
| 19)                         | B Endosulfa...  | 7.195 | 6.366 | 90578053 | 127.7E6  | 45.559  | 54.680  |
| 20)                         | A Methoxychlor  | 7.533 | 6.645 | 45353916 | 67323288 | 41.390  | 49.589  |
| 21)                         | B Endrin ke...  | 7.681 | 6.872 | 100.1E6  | 150.6E6  | 45.899  | 53.866  |
| 22)                         | Mirex           | 8.158 | 7.057 | 88228433 | 131.1E6  | 52.124  | 61.357  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110523\  
Data File : PD079421.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Nov 2023 17:00  
Operator : AR\AJ  
Sample : PB156896BSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

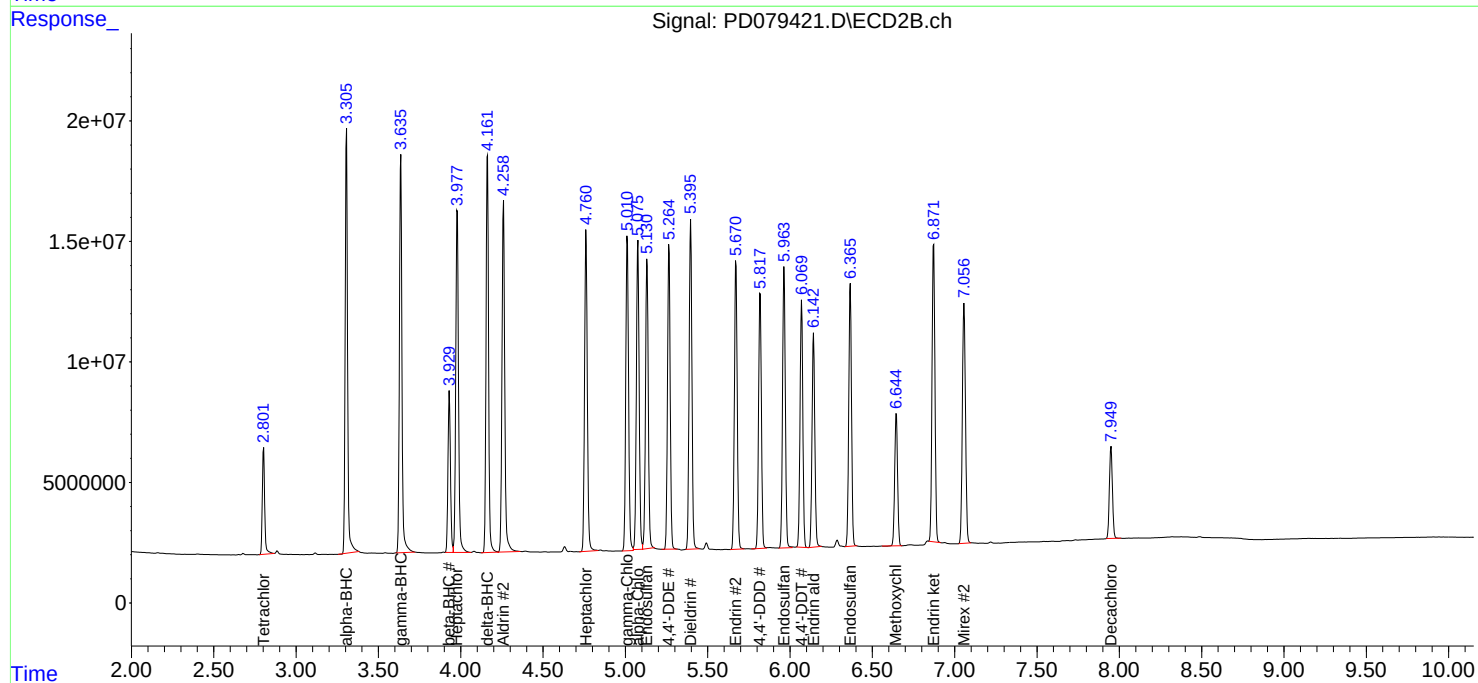
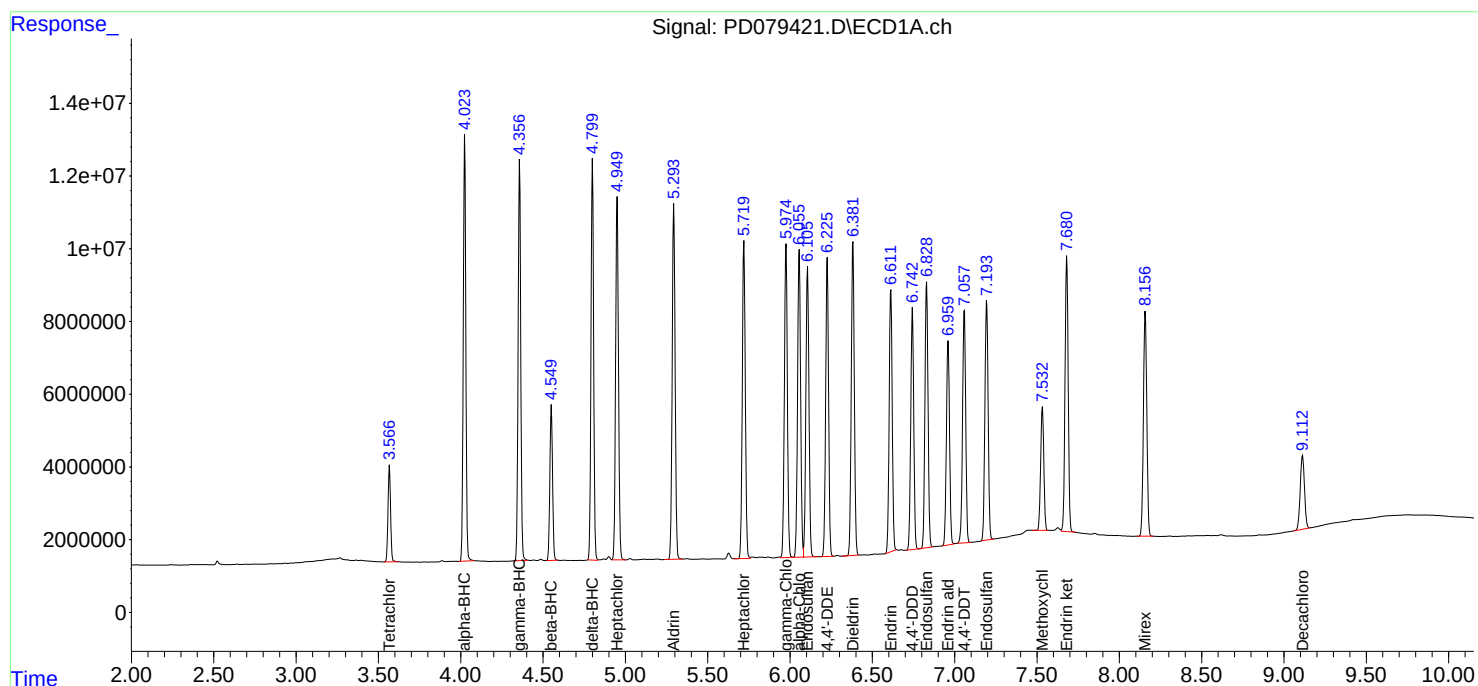
Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

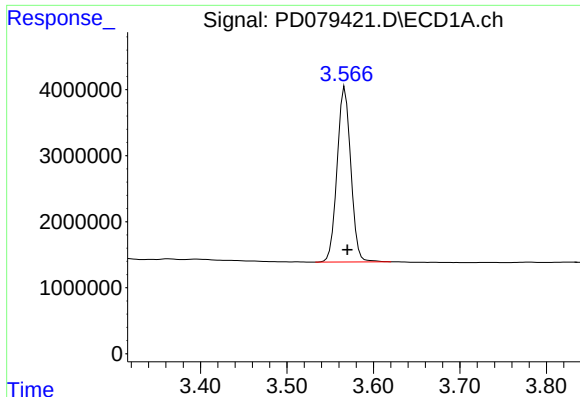
Manual Integrations  
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Supervised By :mohammad ahmed 11/06/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 04 00:18:31 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102023.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 20 04:44:01 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





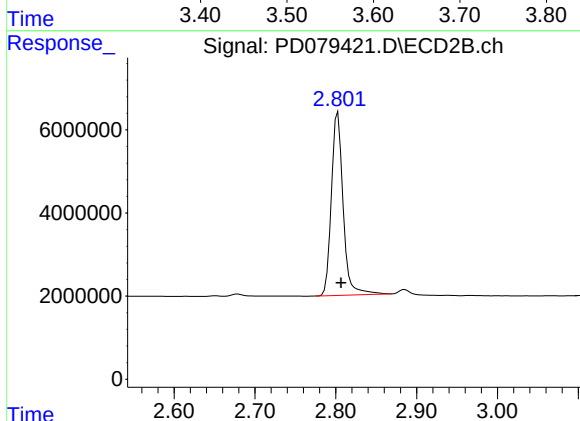
#1 Tetrachloro-m-xylene

R.T.: 3.567 min  
Delta R.T.: -0.003 min  
Response: 28961739  
Conc: 17.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

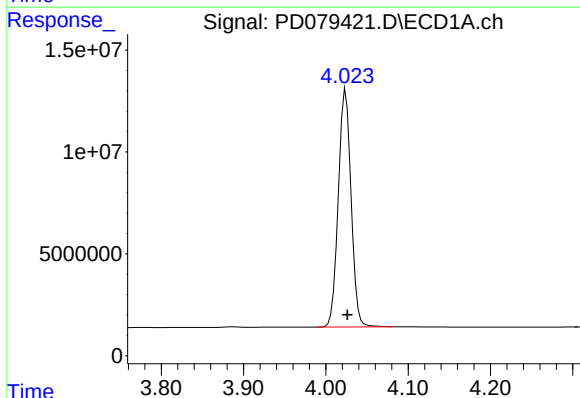
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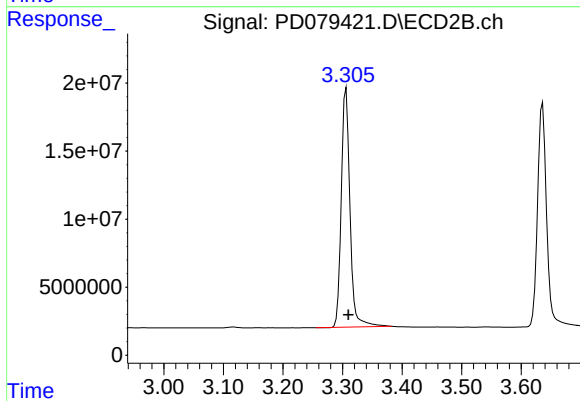
#1 Tetrachloro-m-xylene

R.T.: 2.803 min  
Delta R.T.: -0.004 min  
Response: 44633812  
Conc: 19.28 ng/ml



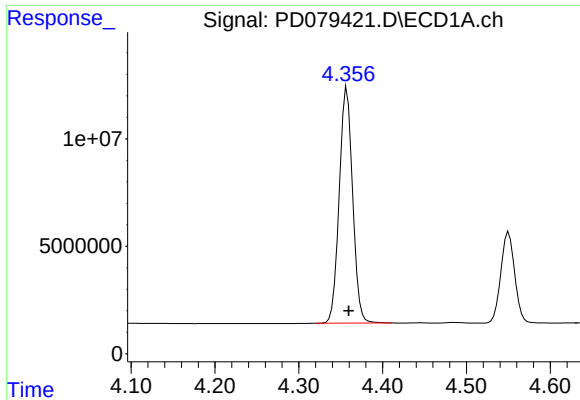
#2 alpha-BHC

R.T.: 4.024 min  
Delta R.T.: -0.002 min  
Response: 125559726  
Conc: 47.17 ng/ml



#2 alpha-BHC

R.T.: 3.306 min  
Delta R.T.: -0.004 min  
Response: 178222010  
Conc: 51.40 ng/ml



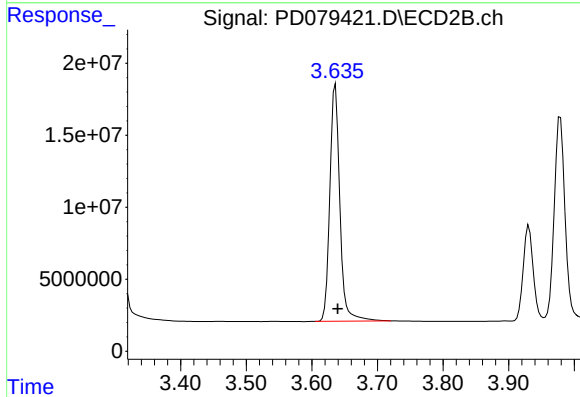
#3 gamma-BHC (Lindane)

R.T.: 4.357 min  
Delta R.T.: -0.002 min  
Response: 121688962  
Conc: 46.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

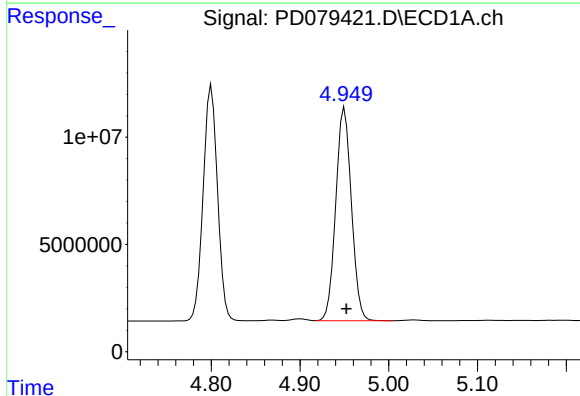
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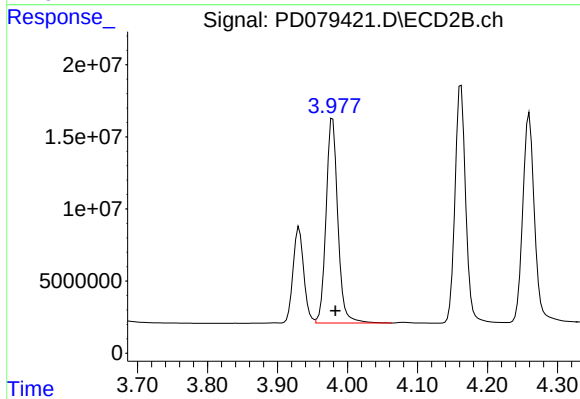
#3 gamma-BHC (Lindane)

R.T.: 3.636 min  
Delta R.T.: -0.004 min  
Response: 174782858  
Conc: 51.47 ng/ml



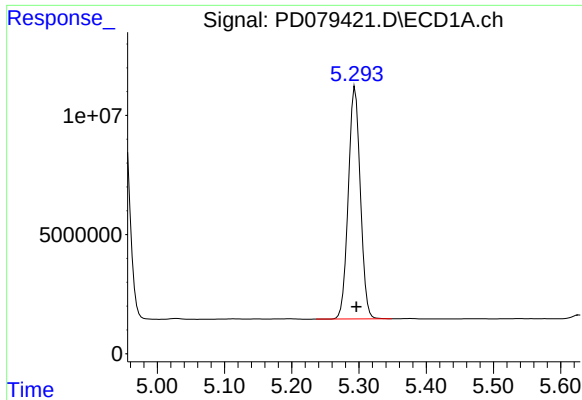
#4 Heptachlor

R.T.: 4.950 min  
Delta R.T.: -0.002 min  
Response: 121589406  
Conc: 45.46 ng/ml



#4 Heptachlor

R.T.: 3.979 min  
Delta R.T.: -0.004 min  
Response: 166040396  
Conc: 54.37 ng/ml



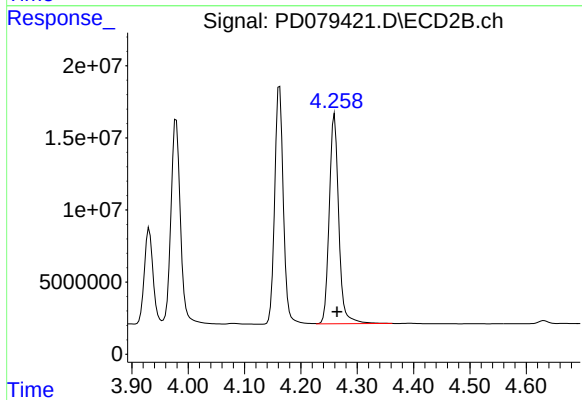
#5 Aldrin

R.T.: 5.294 min  
Delta R.T.: -0.002 min  
Response: 121183234  
Conc: 47.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

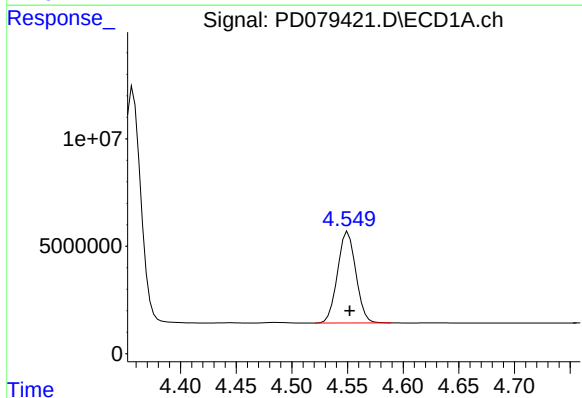
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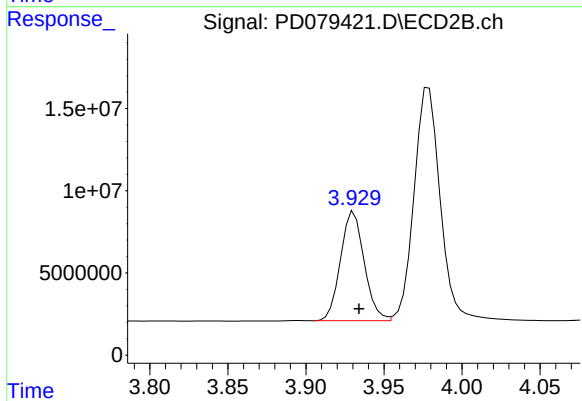
#5 Aldrin

R.T.: 4.260 min  
Delta R.T.: -0.005 min  
Response: 170727665  
Conc: 52.19 ng/ml



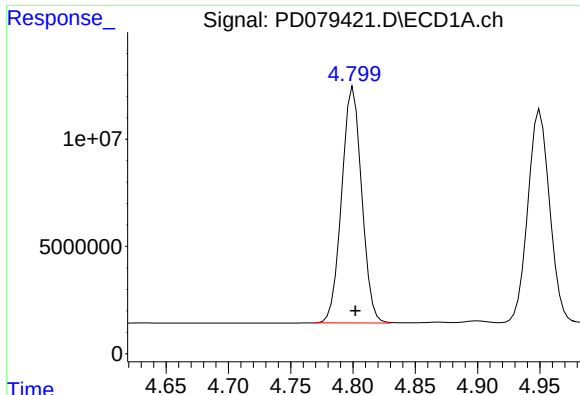
#6 beta-BHC

R.T.: 4.551 min  
Delta R.T.: -0.002 min  
Response: 48733422  
Conc: 45.48 ng/ml



#6 beta-BHC

R.T.: 3.931 min  
Delta R.T.: -0.003 min  
Response: 70426879  
Conc: 49.98 ng/ml



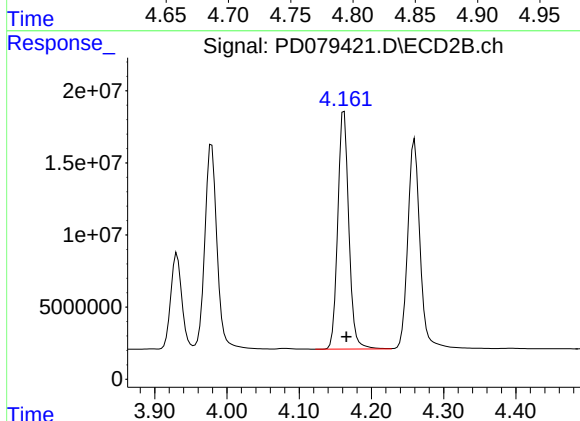
#7 delta-BHC

R.T.: 4.799 min  
Delta R.T.: -0.003 min  
Response: 123247730  
Conc: 46.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

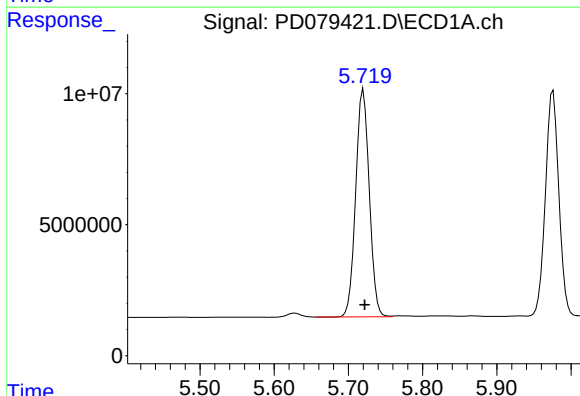
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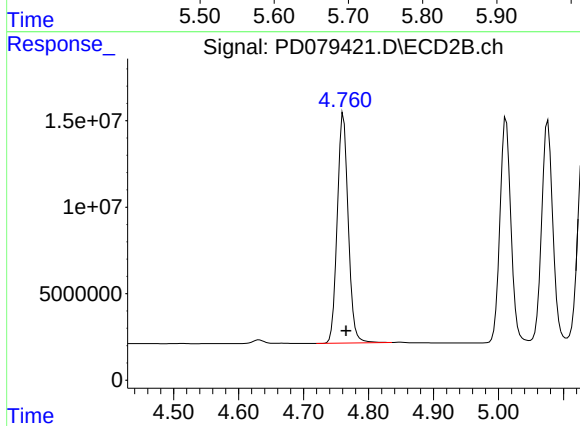
#7 delta-BHC

R.T.: 4.162 min  
Delta R.T.: -0.003 min  
Response: 175596119  
Conc: 52.44 ng/ml



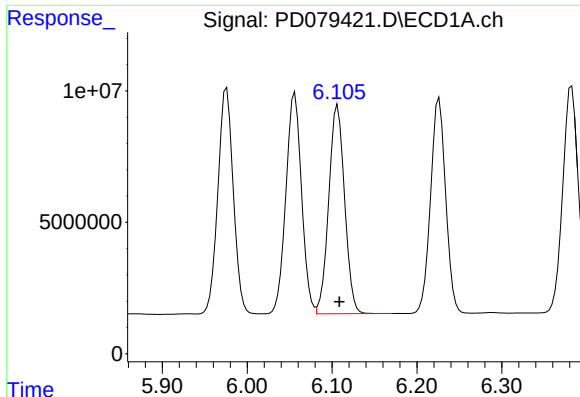
#8 Heptachlor epoxide

R.T.: 5.720 min  
Delta R.T.: -0.002 min  
Response: 110560924  
Conc: 47.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.761 min  
Delta R.T.: -0.004 min  
Response: 155516542  
Conc: 52.46 ng/ml



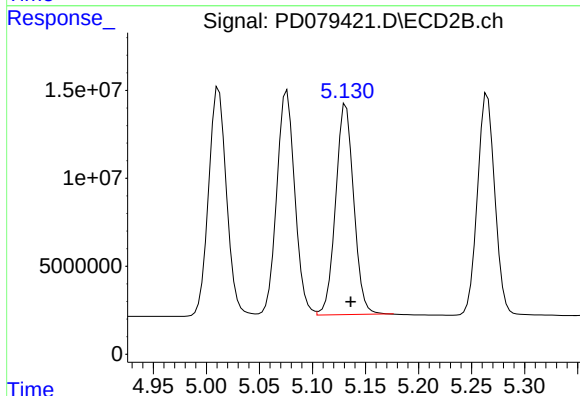
#9 Endosulfan I

R.T.: 6.107 min  
Delta R.T.: -0.002 min  
Response: 103082967  
Conc: 47.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

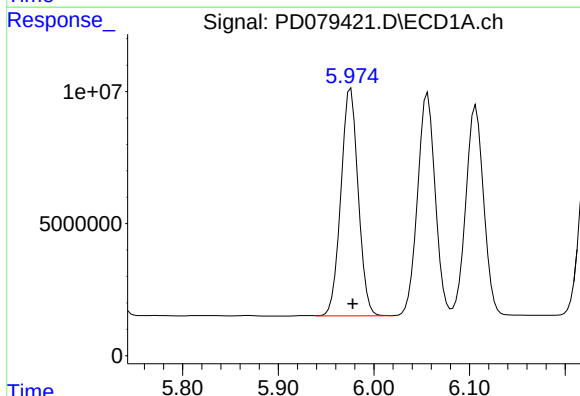
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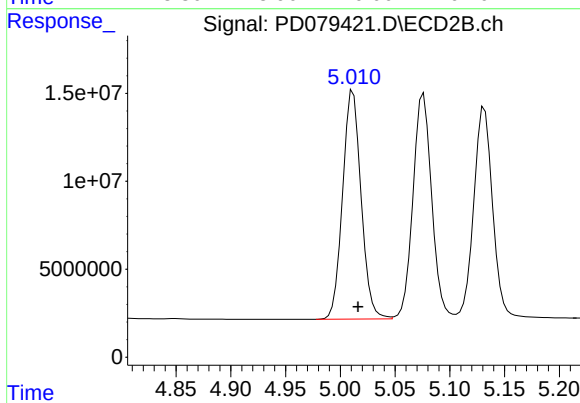
#9 Endosulfan I

R.T.: 5.130 min  
Delta R.T.: -0.006 min  
Response: 142016887  
Conc: 53.64 ng/ml m



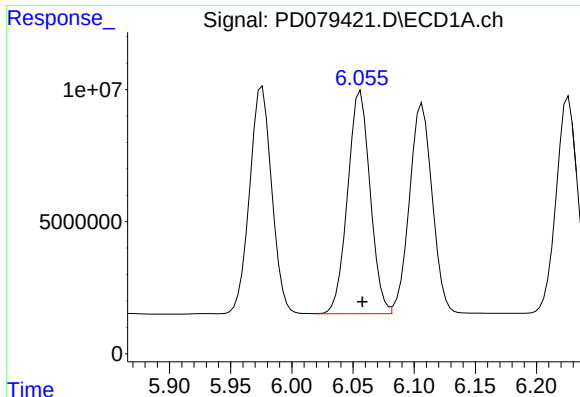
#10 gamma-Chlordane

R.T.: 5.976 min  
Delta R.T.: -0.002 min  
Response: 108577563  
Conc: 47.36 ng/ml



#10 gamma-Chlordane

R.T.: 5.010 min  
Delta R.T.: -0.006 min  
Response: 152881880  
Conc: 53.28 ng/ml m



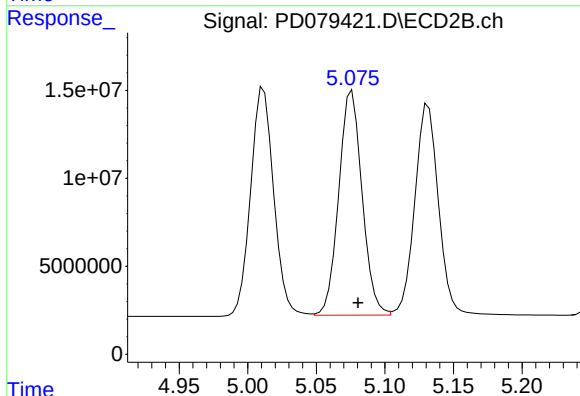
#11 alpha-Chlordane

R.T.: 6.056 min  
Delta R.T.: -0.002 min  
Response: 107869146  
Conc: 47.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

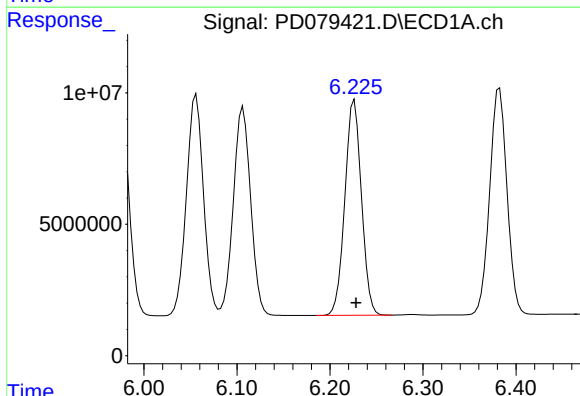
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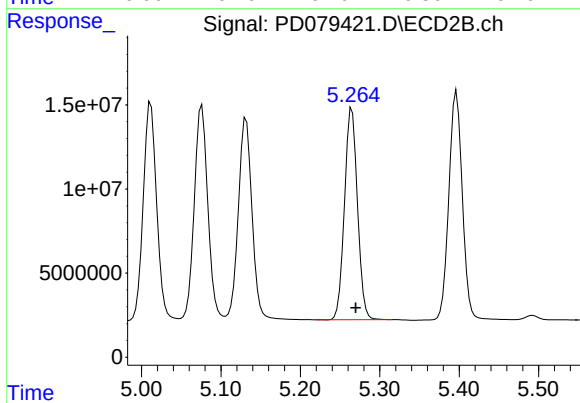
#11 alpha-Chlordane

R.T.: 5.075 min  
Delta R.T.: -0.006 min  
Response: 151190423  
Conc: 52.68 ng/ml m



#12 4,4'-DDE

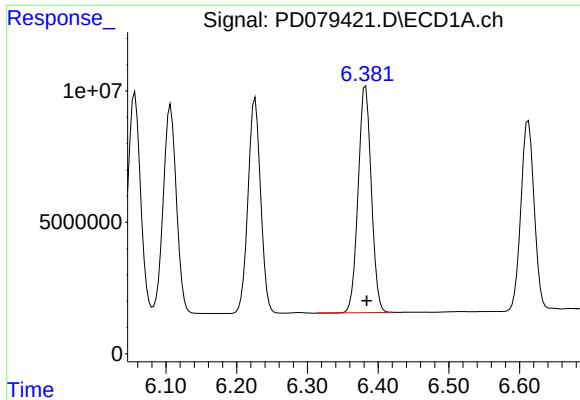
R.T.: 6.226 min  
Delta R.T.: -0.002 min  
Response: 101537156  
Conc: 48.05 ng/ml



#12 4,4'-DDE

R.T.: 5.265 min  
Delta R.T.: -0.005 min  
Response: 143188859  
Conc: 53.78 ng/ml





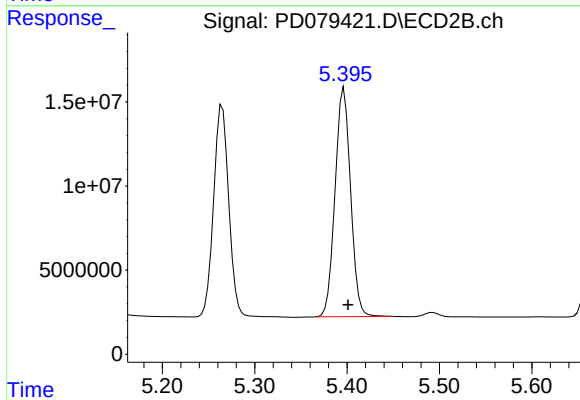
#13 Dieldrin

R.T.: 6.382 min  
Delta R.T.: -0.002 min  
Response: 111359919  
Conc: 47.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

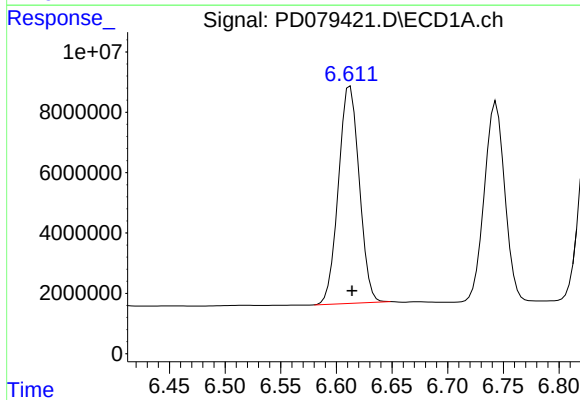
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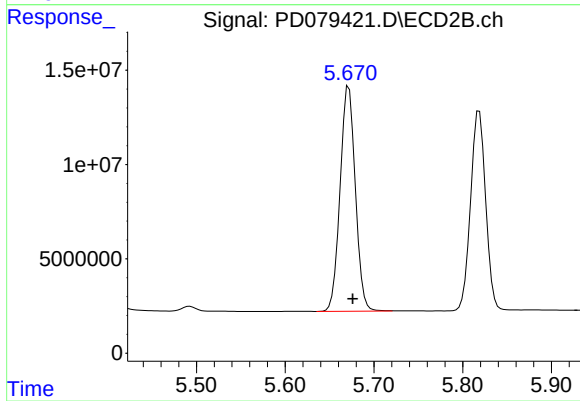
#13 Dieldrin

R.T.: 5.397 min  
Delta R.T.: -0.004 min  
Response: 159218291  
Conc: 53.61 ng/ml



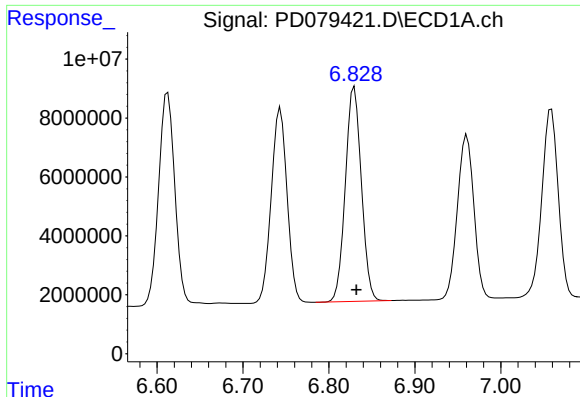
#14 Endrin

R.T.: 6.612 min  
Delta R.T.: -0.002 min  
Response: 93877466  
Conc: 48.20 ng/ml



#14 Endrin

R.T.: 5.672 min  
Delta R.T.: -0.004 min  
Response: 142396129  
Conc: 55.64 ng/ml



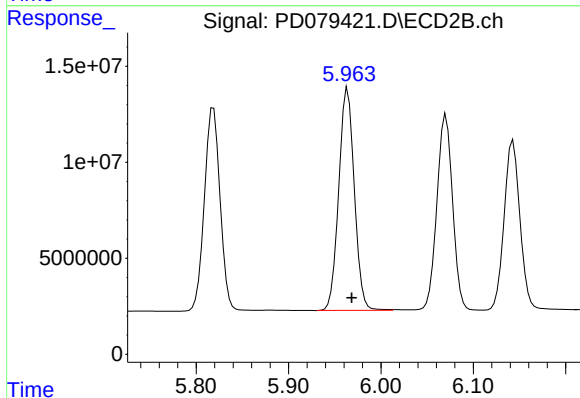
#15 Endosulfan II

R.T.: 6.830 min  
Delta R.T.: -0.002 min  
Response: 94499520  
Conc: 46.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

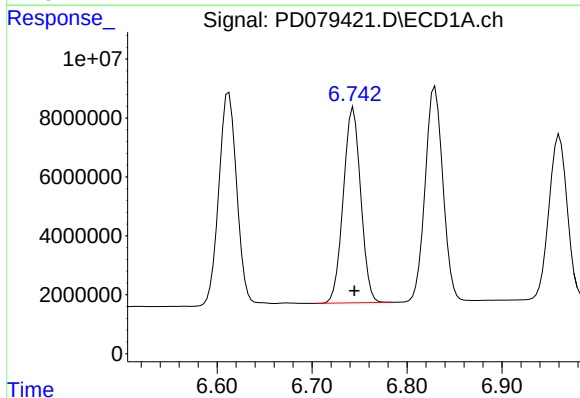
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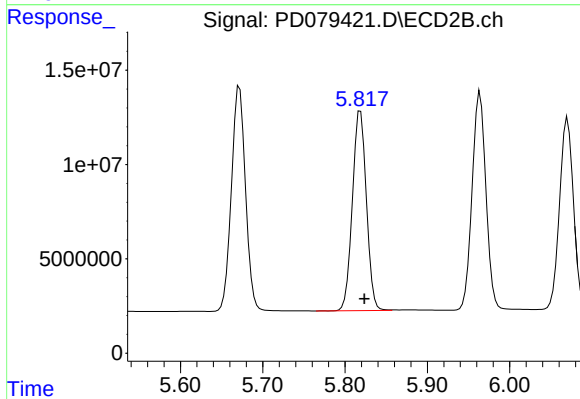
#15 Endosulfan II

R.T.: 5.964 min  
Delta R.T.: -0.004 min  
Response: 135661765  
Conc: 54.34 ng/ml



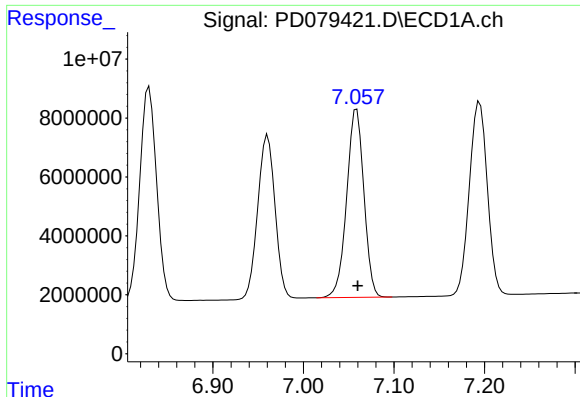
#16 4,4'-DDD

R.T.: 6.744 min  
Delta R.T.: -0.001 min  
Response: 84545781  
Conc: 48.09 ng/ml



#16 4,4'-DDD

R.T.: 5.819 min  
Delta R.T.: -0.005 min  
Response: 125004170  
Conc: 54.72 ng/ml



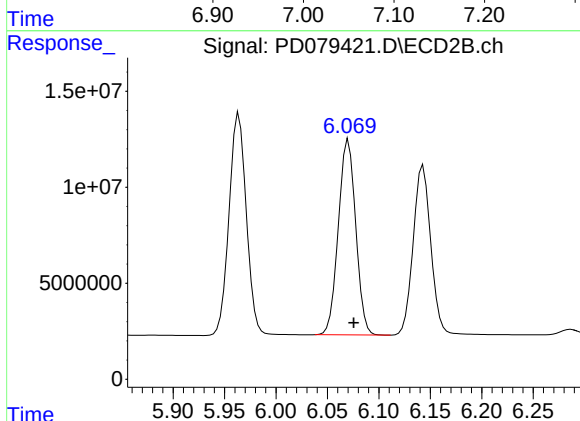
#17 4,4'-DDT

R.T.: 7.059 min  
Delta R.T.: -0.001 min  
Response: 84599934  
Conc: 44.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

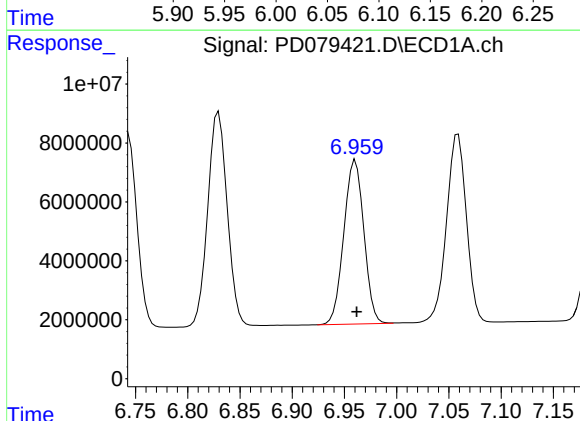
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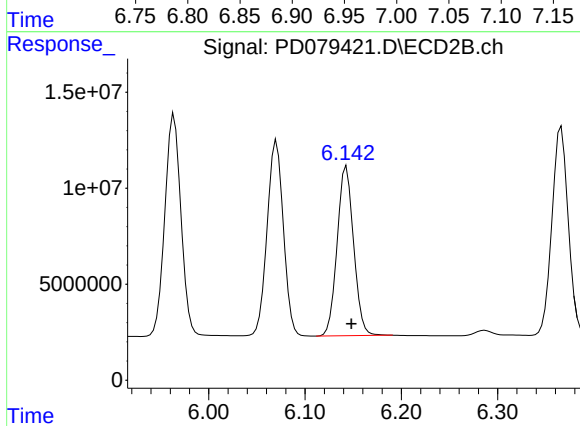
#17 4,4'-DDT

R.T.: 6.071 min  
Delta R.T.: -0.005 min  
Response: 119792771  
Conc: 52.33 ng/ml



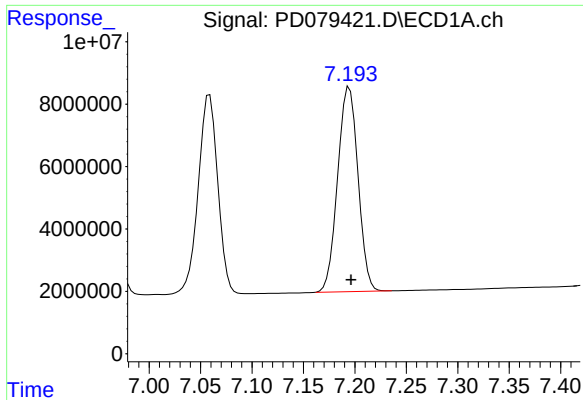
#18 Endrin aldehyde

R.T.: 6.959 min  
Delta R.T.: -0.003 min  
Response: 74407345  
Conc: 48.18 ng/ml m



#18 Endrin aldehyde

R.T.: 6.143 min  
Delta R.T.: -0.005 min  
Response: 104820665  
Conc: 56.38 ng/ml



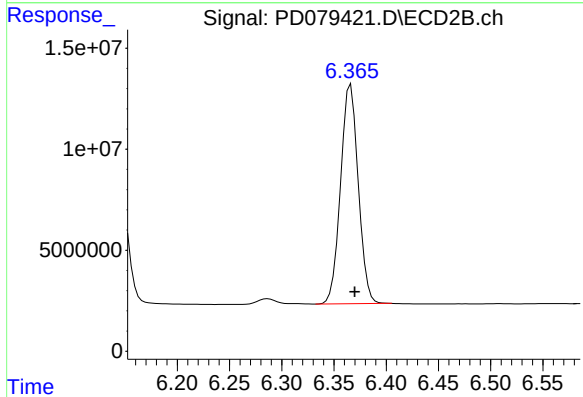
#19 Endosulfan Sulfate

R.T.: 7.195 min  
Delta R.T.: -0.002 min  
Response: 90578053  
Conc: 45.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

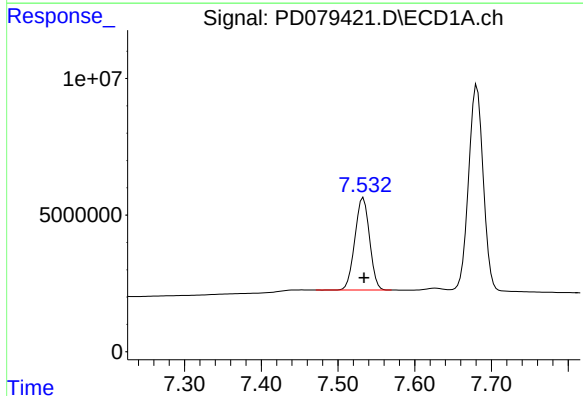
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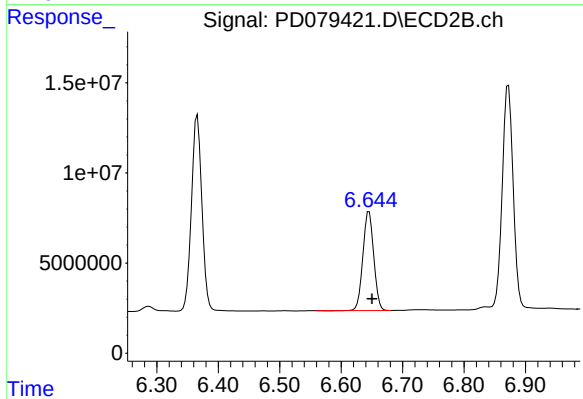
#19 Endosulfan Sulfate

R.T.: 6.366 min  
Delta R.T.: -0.004 min  
Response: 127668685  
Conc: 54.68 ng/ml



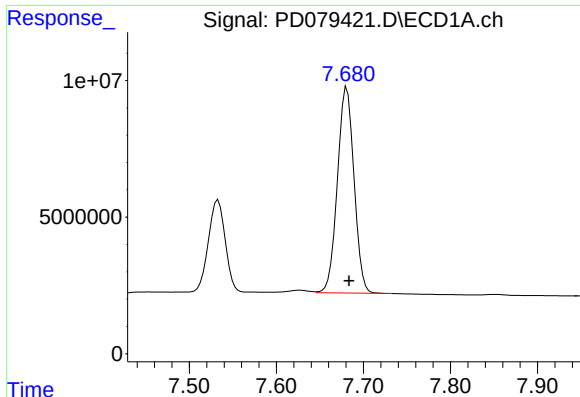
#20 Methoxychlor

R.T.: 7.533 min  
Delta R.T.: 0.000 min  
Response: 45353916  
Conc: 41.39 ng/ml



#20 Methoxychlor

R.T.: 6.645 min  
Delta R.T.: -0.005 min  
Response: 67323288  
Conc: 49.59 ng/ml



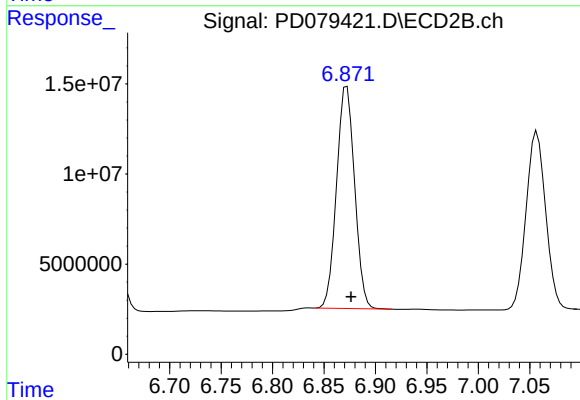
#21 Endrin ketone

R.T.: 7.681 min  
Delta R.T.: -0.002 min  
Response: 100066715  
Conc: 45.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156896BSD

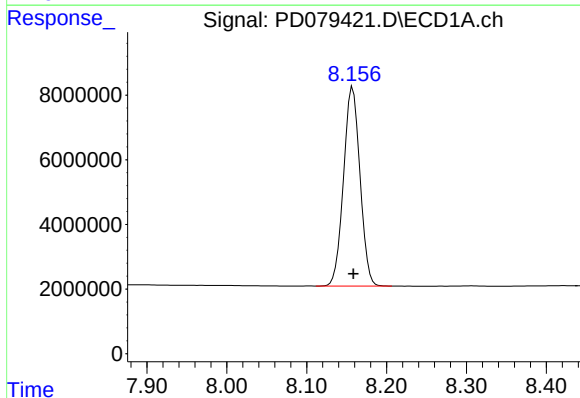
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/04/2023  
Supervised By :mohammad ahmed 11/06/2023



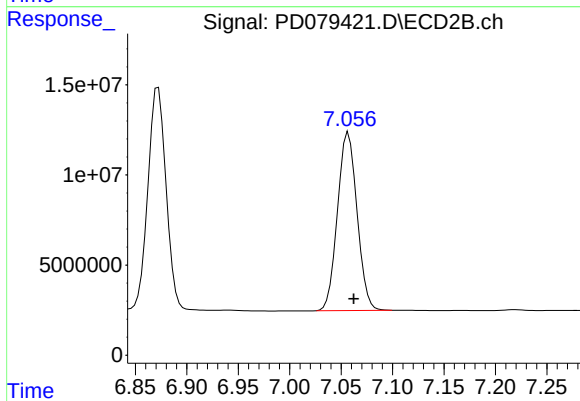
#21 Endrin ketone

R.T.: 6.872 min  
Delta R.T.: -0.004 min  
Response: 150594944  
Conc: 53.87 ng/ml



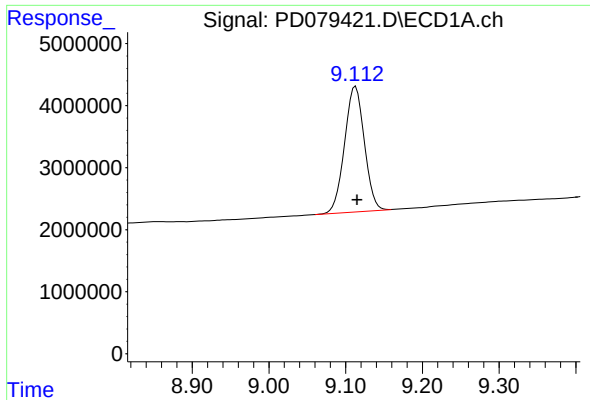
#22 Mirex

R.T.: 8.158 min  
Delta R.T.: -0.001 min  
Response: 88228433  
Conc: 52.12 ng/ml



#22 Mirex

R.T.: 7.057 min  
Delta R.T.: -0.005 min  
Response: 131079133  
Conc: 61.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.113 min  
Delta R.T.: -0.002 min  
Response: 36493635  
Conc: 18.19 ng/ml

Instrument :

ECD\_D

ClientSampleId :

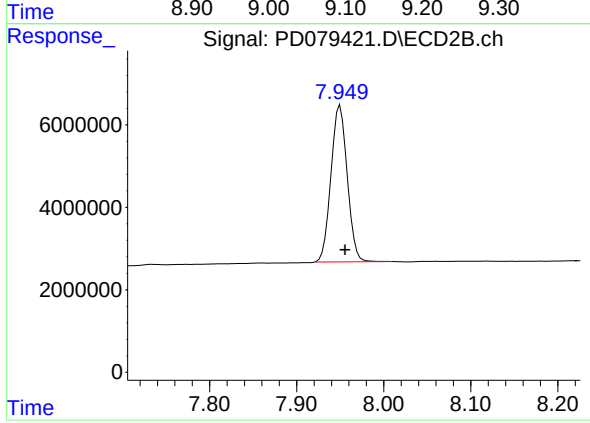
PB156896BSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/04/2023

Supervised By :mohammad ahmed 11/06/2023



#28 Decachlorobiphenyl

R.T.: 7.950 min  
Delta R.T.: -0.006 min  
Response: 49265645  
Conc: 20.21 ng/ml