

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110223\  
 Data File : PD079320.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Oct 2023 19:17  
 Operator : AR\AJ  
 Sample : PB156732BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB156732BSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/01/2023  
 Supervised By :mohammad ahmed 11/02/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 31 22:17:34 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... | 3.569 | 2.806 | 28299733 | 41834246 | 17.528  | 18.069  |
| 28)                         | SA Decachlor... | 9.117 | 7.953 | 39750062 | 49401751 | 19.815  | 20.267  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.027 | 3.309 | 131.4E6  | 179.7E6  | 49.351  | 51.812  |
| 3)                          | MA gamma-BHC... | 4.360 | 3.639 | 122.4E6  | 169.0E6  | 47.099  | 49.755  |
| 4)                          | MA Heptachlor   | 4.953 | 3.982 | 129.3E6  | 166.8E6  | 48.328  | 54.611  |
| 5)                          | MB Aldrin       | 5.296 | 4.263 | 123.7E6  | 165.0E6  | 48.015  | 50.426  |
| 6)                          | B beta-BHC      | 4.553 | 3.934 | 50500261 | 70124620 | 47.126  | 49.765  |
| 7)                          | B delta-BHC     | 4.801 | 4.165 | 125.7E6  | 170.7E6  | 46.951m | 50.991  |
| 8)                          | B Heptachlo...  | 5.722 | 4.765 | 114.6E6  | 153.5E6  | 48.896  | 51.765  |
| 9)                          | A Endosulfan I  | 6.109 | 5.134 | 107.8E6  | 139.1E6  | 49.738  | 52.551m |
| 10)                         | B gamma-Chl...  | 5.978 | 5.014 | 113.8E6  | 152.1E6  | 49.617  | 53.018m |
| 11)                         | B alpha-Chl...  | 6.058 | 5.078 | 112.4E6  | 147.9E6  | 49.316  | 51.531m |
| 12)                         | B 4,4'-DDE      | 6.229 | 5.269 | 106.5E6  | 145.0E6  | 50.403  | 54.455  |
| 13)                         | MA Dieldrin     | 6.384 | 5.400 | 112.3E6  | 152.6E6  | 48.223  | 51.369  |
| 14)                         | MA Endrin       | 6.615 | 5.675 | 90896961 | 129.9E6  | 46.671  | 50.768  |
| 15)                         | B Endosulfa...  | 6.832 | 5.968 | 94302266 | 126.0E6  | 46.235  | 50.481  |
| 16)                         | A 4,4'-DDD      | 6.745 | 5.822 | 89999582 | 125.8E6  | 51.196  | 55.070  |
| 17)                         | MA 4,4'-DDT     | 7.061 | 6.074 | 94034930 | 120.9E6  | 49.657  | 52.816  |
| 18)                         | B Endrin al...  | 6.960 | 6.147 | 75168265 | 98391697 | 48.674m | 52.918  |
| 19)                         | B Endosulfa...  | 7.197 | 6.369 | 97318536 | 126.4E6  | 48.950  | 54.137  |
| 20)                         | A Methoxychlor  | 7.535 | 6.649 | 48106646 | 64934113 | 43.902  | 47.829  |
| 21)                         | B Endrin ke...  | 7.683 | 6.876 | 106.6E6  | 150.5E6  | 48.900  | 53.818  |
| 22)                         | Mirex           | 8.160 | 7.061 | 80591680 | 112.1E6  | 47.612  | 52.478  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110223\  
Data File : PD079320.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Oct 2023 19:17  
Operator : AR\AJ  
Sample : PB156732BSD  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

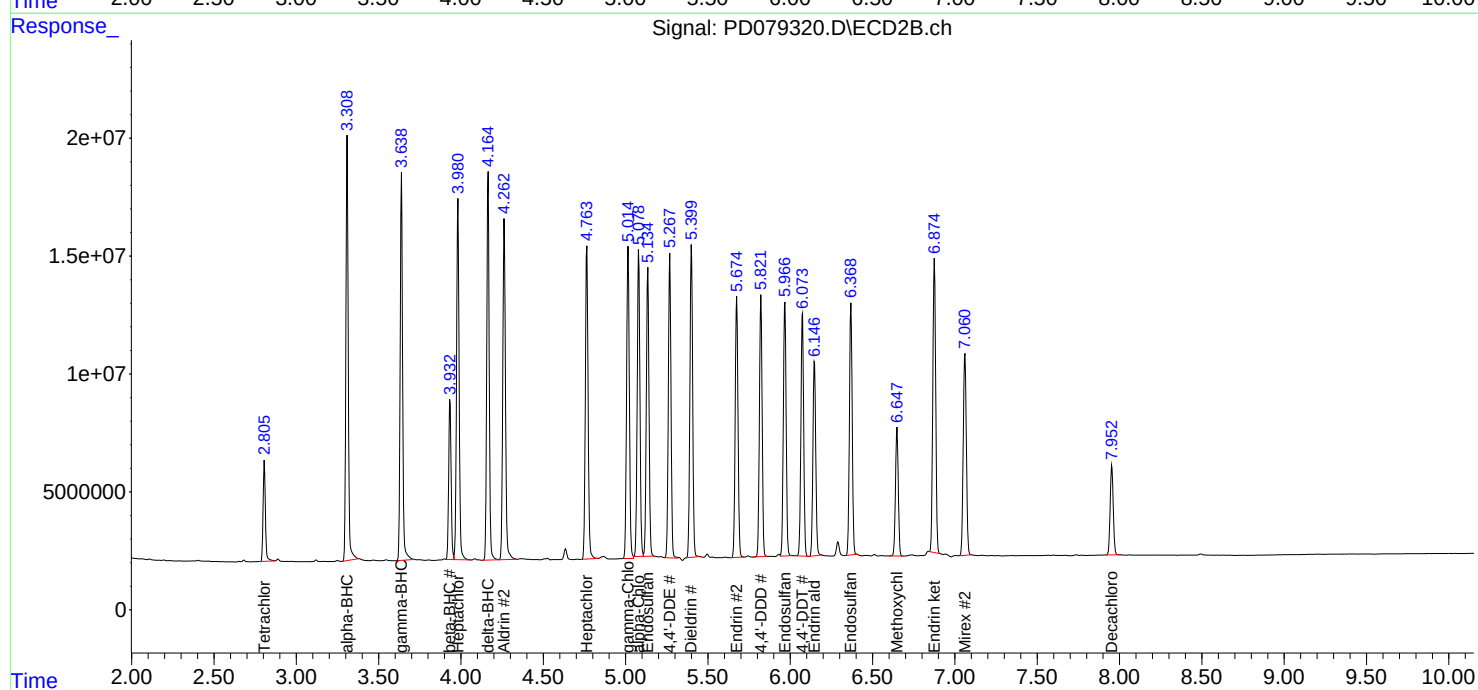
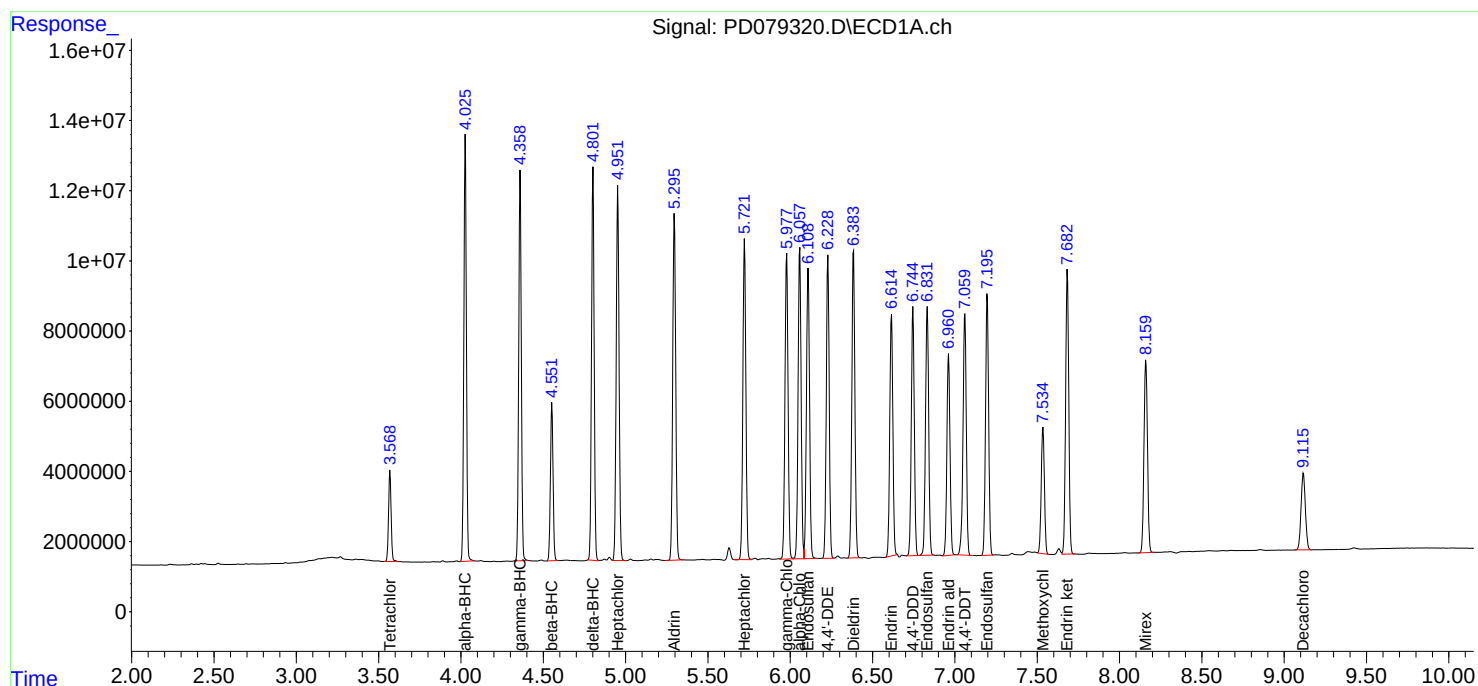
Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

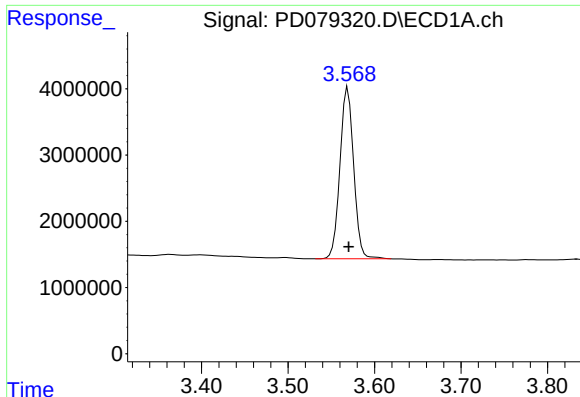
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/01/2023  
Supervised By :mohammad ahmed 11/02/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 31 22:17:34 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.: 3.569 min  
Delta R.T.: 0.000 min  
Response: 28299733  
Conc: 17.53 ng/ml

Instrument :

ECD\_D

ClientSampleId :

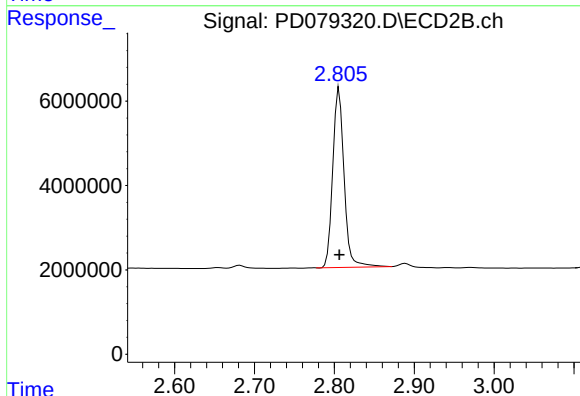
PB156732BSD

Manual Integrations

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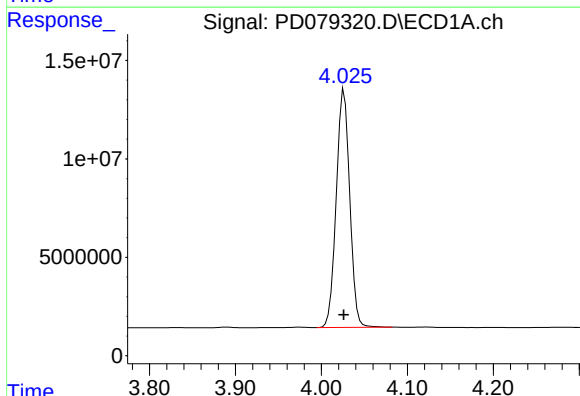
Reviewed By :Abdul Mirza 11/01/2023

Supervised By :mohammad ahmed 11/02/2023



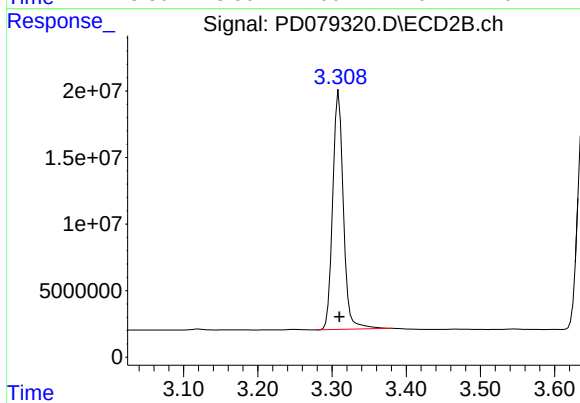
#1 Tetrachloro-m-xylene

R.T.: 2.806 min  
Delta R.T.: 0.000 min  
Response: 41834246  
Conc: 18.07 ng/ml



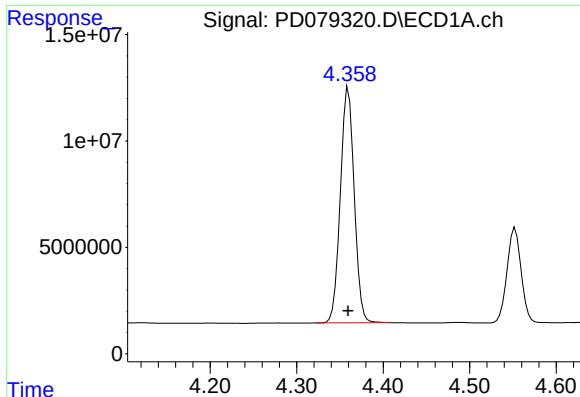
#2 alpha-BHC

R.T.: 4.027 min  
Delta R.T.: 0.000 min  
Response: 131376415  
Conc: 49.35 ng/ml



#2 alpha-BHC

R.T.: 3.309 min  
Delta R.T.: 0.000 min  
Response: 179653658  
Conc: 51.81 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 122401891  
Conc: 47.10 ng/ml

Instrument :

ECD\_D

ClientSampleId :

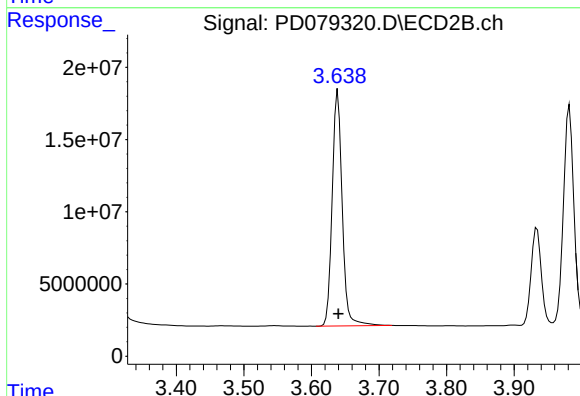
PB156732BSD

Manual Integrations

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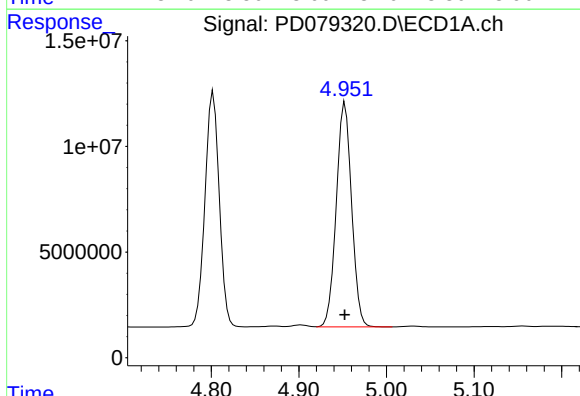
Reviewed By :Abdul Mirza 11/01/2023

Supervised By :mohammad ahmed 11/02/2023



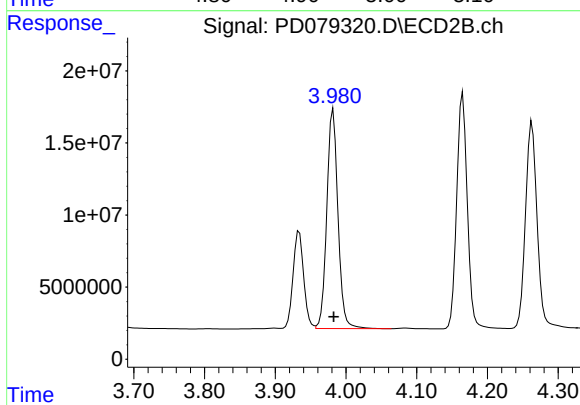
#3 gamma-BHC (Lindane)

R.T.: 3.639 min  
Delta R.T.: 0.000 min  
Response: 168958329  
Conc: 49.76 ng/ml



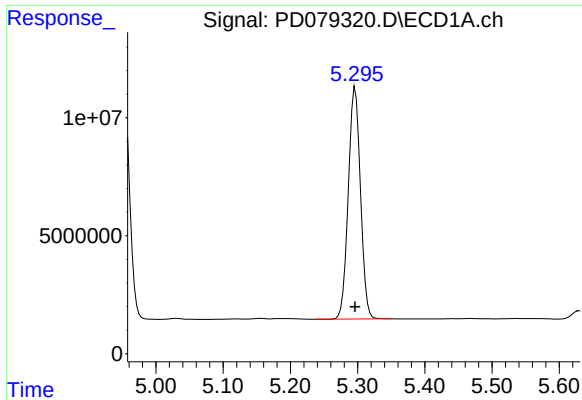
#4 Heptachlor

R.T.: 4.953 min  
Delta R.T.: 0.000 min  
Response: 129275334  
Conc: 48.33 ng/ml



#4 Heptachlor

R.T.: 3.982 min  
Delta R.T.: 0.000 min  
Response: 166789981  
Conc: 54.61 ng/ml



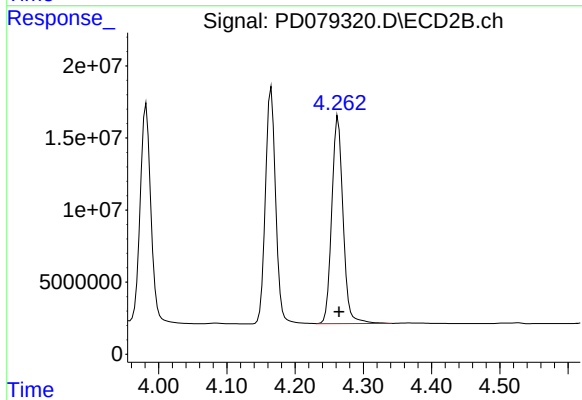
#5 Aldrin

R.T.: 5.296 min  
Delta R.T.: 0.000 min  
Response: 123724288  
Conc: 48.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

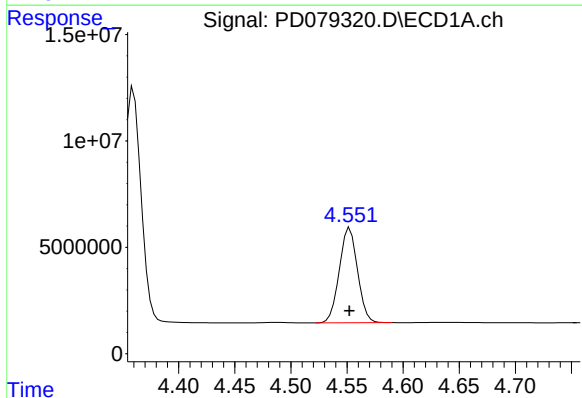
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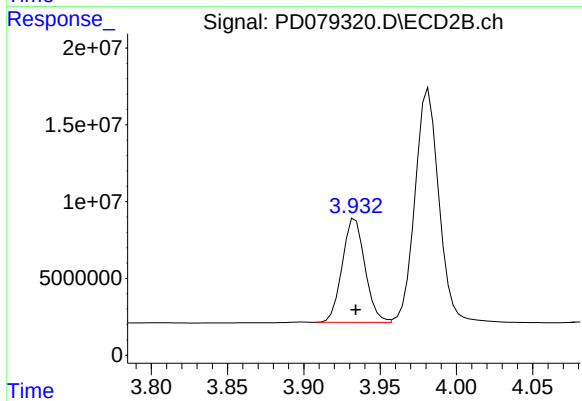
#5 Aldrin

R.T.: 4.263 min  
Delta R.T.: -0.001 min  
Response: 164960032  
Conc: 50.43 ng/ml



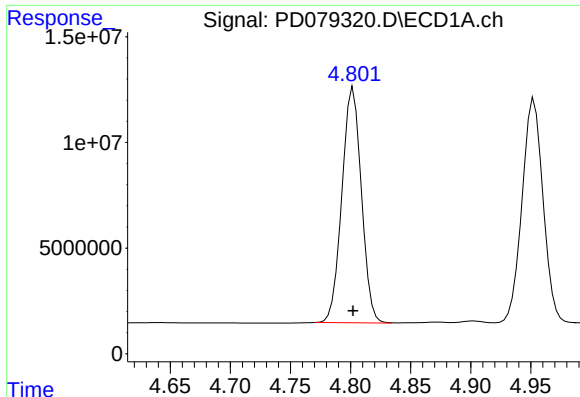
#6 beta-BHC

R.T.: 4.553 min  
Delta R.T.: 0.000 min  
Response: 50500261  
Conc: 47.13 ng/ml



#6 beta-BHC

R.T.: 3.934 min  
Delta R.T.: 0.000 min  
Response: 70124620  
Conc: 49.77 ng/ml



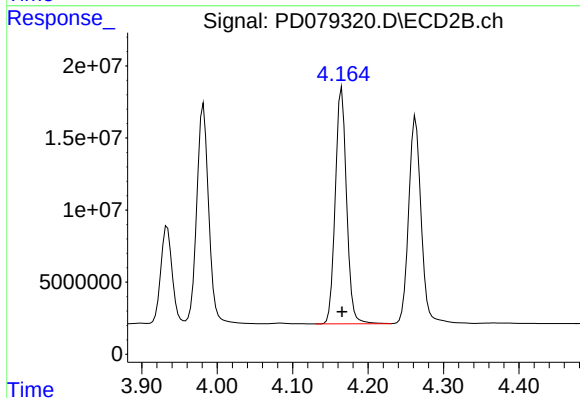
#7 delta-BHC

R.T.: 4.801 min  
Delta R.T.: -0.001 min  
Response: 125690538  
Conc: 46.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

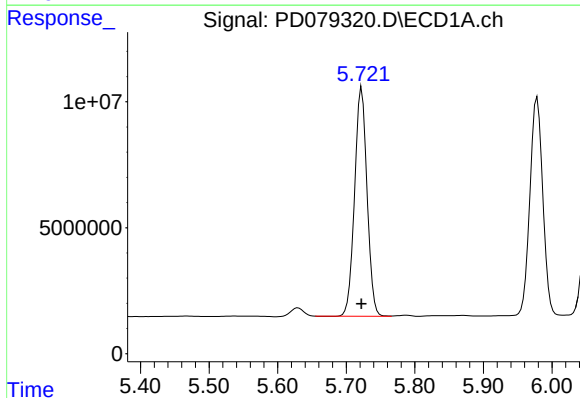
Manual Integrations  
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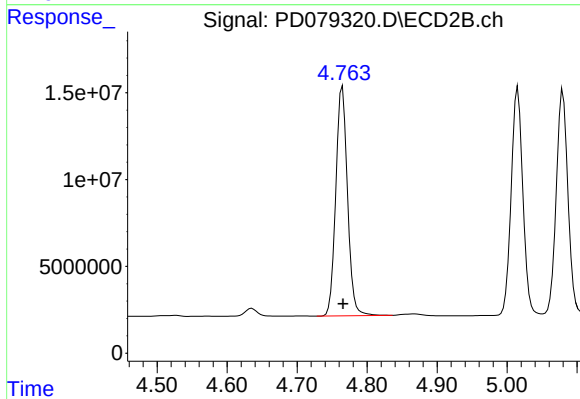
#7 delta-BHC

R.T.: 4.165 min  
Delta R.T.: 0.000 min  
Response: 170730048  
Conc: 50.99 ng/ml



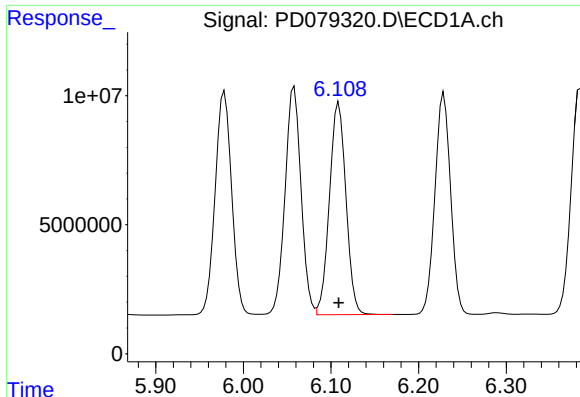
#8 Heptachlor epoxide

R.T.: 5.722 min  
Delta R.T.: 0.000 min  
Response: 114597462  
Conc: 48.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.765 min  
Delta R.T.: 0.000 min  
Response: 153466120  
Conc: 51.76 ng/ml



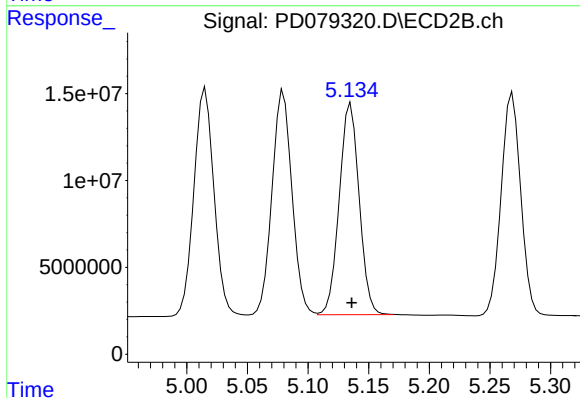
#9 Endosulfan I

R.T.: 6.109 min  
Delta R.T.: 0.000 min  
Response: 107829314  
Conc: 49.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

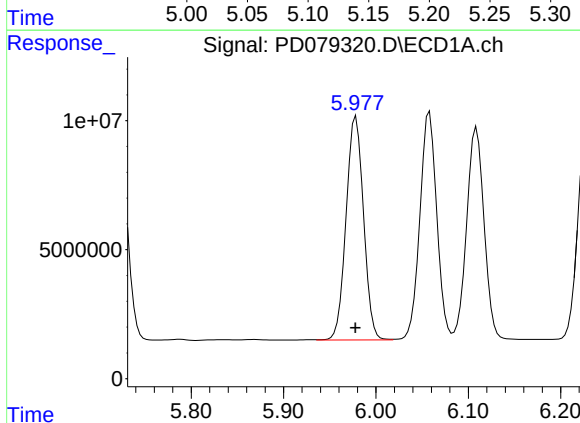
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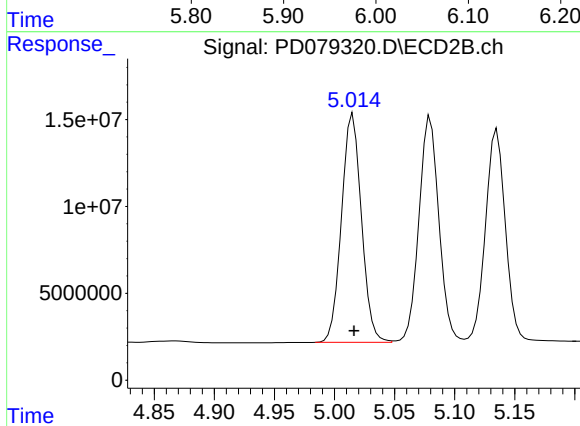
#9 Endosulfan I

R.T.: 5.134 min  
Delta R.T.: -0.002 min  
Response: 139139864  
Conc: 52.55 ng/ml m



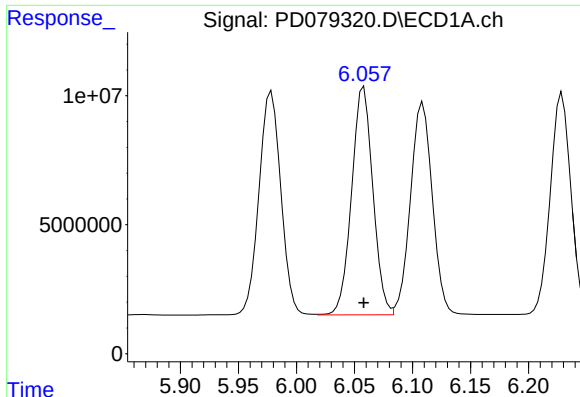
#10 gamma-Chlordane

R.T.: 5.978 min  
Delta R.T.: 0.000 min  
Response: 113759123  
Conc: 49.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.014 min  
Delta R.T.: -0.002 min  
Response: 152131706  
Conc: 53.02 ng/ml m



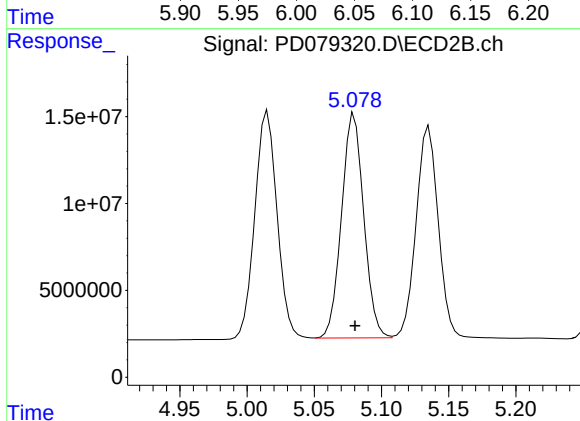
#11 alpha-Chlordane

R.T.: 6.058 min  
Delta R.T.: 0.000 min  
Response: 112449818  
Conc: 49.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

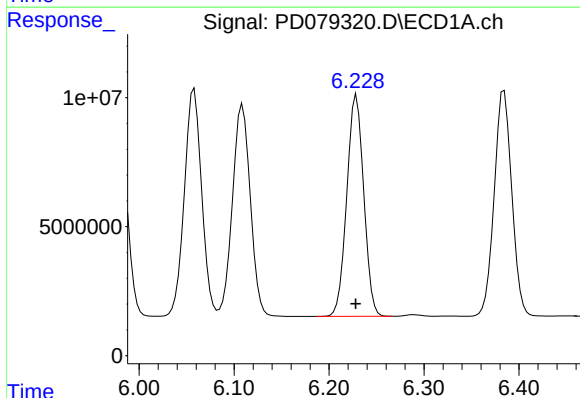
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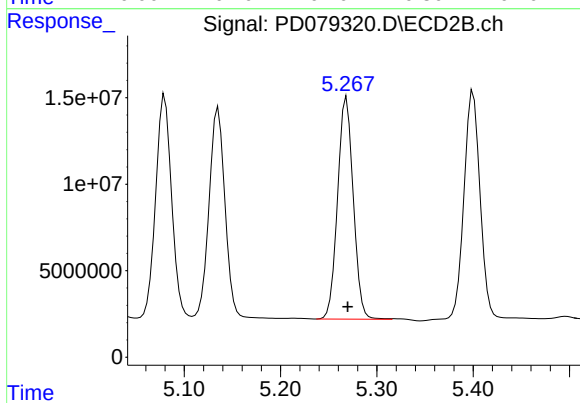
#11 alpha-Chlordane

R.T.: 5.078 min  
Delta R.T.: -0.002 min  
Response: 147885463  
Conc: 51.53 ng/ml m



#12 4,4'-DDE

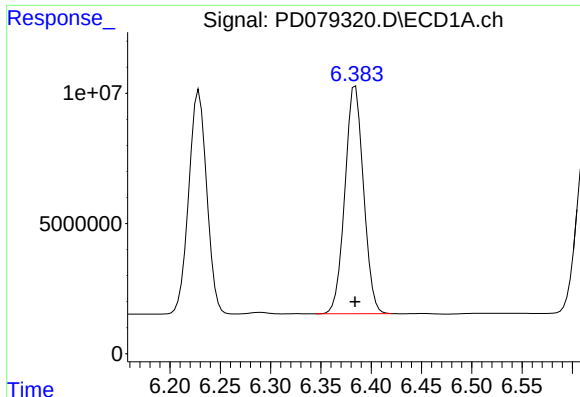
R.T.: 6.229 min  
Delta R.T.: 0.000 min  
Response: 106505311  
Conc: 50.40 ng/ml



#12 4,4'-DDE

R.T.: 5.269 min  
Delta R.T.: -0.001 min  
Response: 144981235  
Conc: 54.46 ng/ml





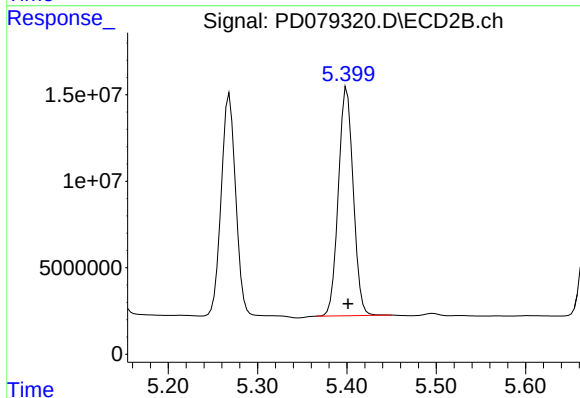
#13 Dieldrin

R.T.: 6.384 min  
Delta R.T.: 0.000 min  
Response: 112303706  
Conc: 48.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

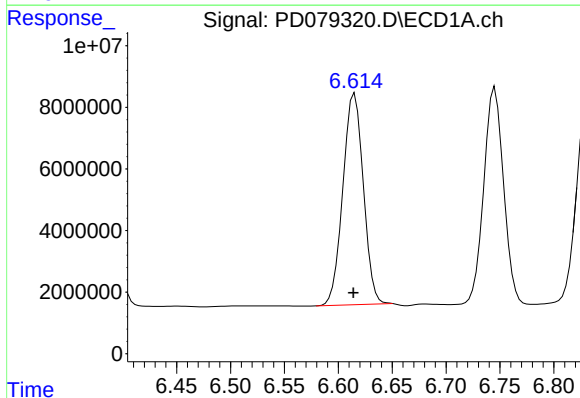
Manual Integrations  
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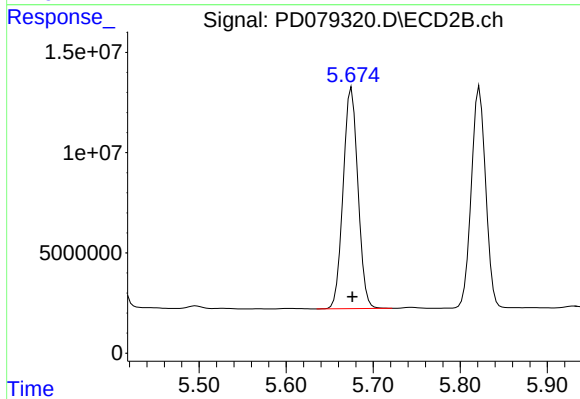
#13 Dieldrin

R.T.: 5.400 min  
Delta R.T.: -0.001 min  
Response: 152560589  
Conc: 51.37 ng/ml



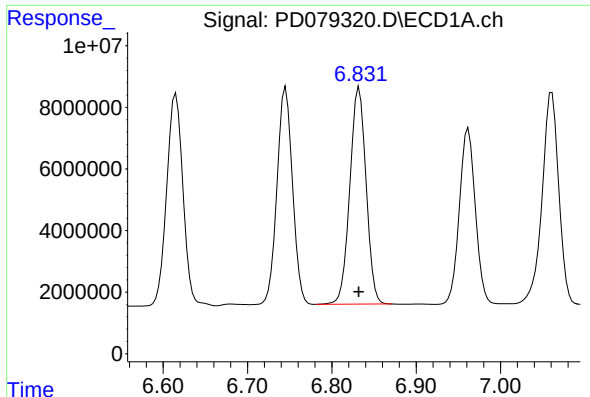
#14 Endrin

R.T.: 6.615 min  
Delta R.T.: 0.001 min  
Response: 90896961  
Conc: 46.67 ng/ml



#14 Endrin

R.T.: 5.675 min  
Delta R.T.: 0.000 min  
Response: 129920886  
Conc: 50.77 ng/ml



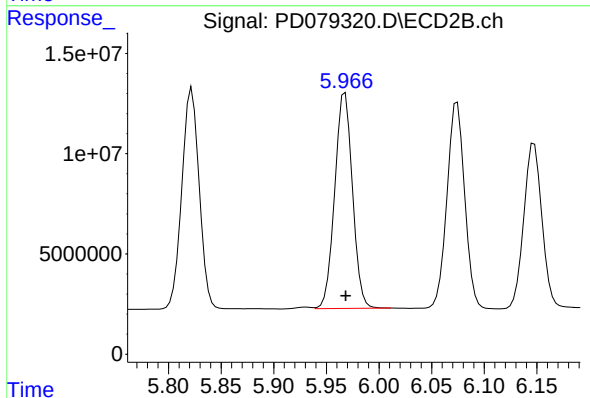
#15 Endosulfan II

R.T.: 6.832 min  
Delta R.T.: 0.000 min  
Response: 94302266  
Conc: 46.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

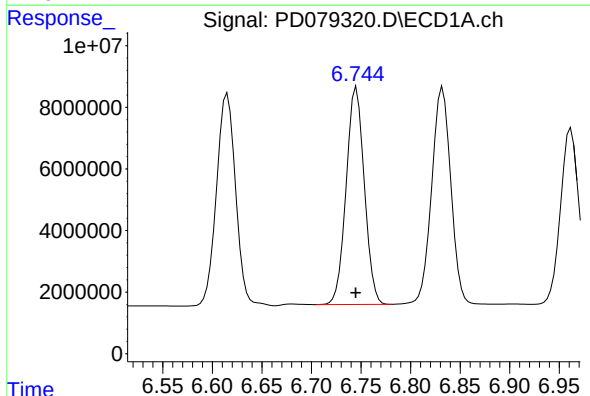
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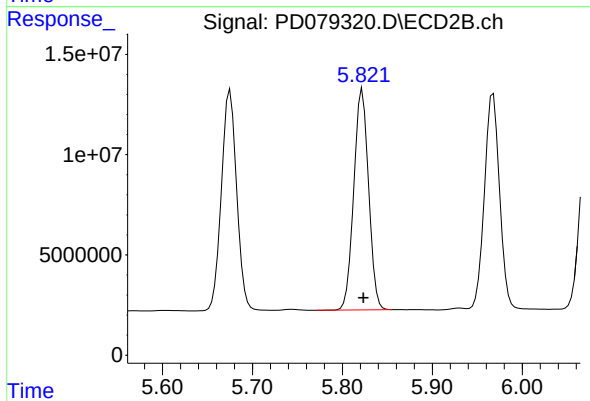
#15 Endosulfan II

R.T.: 5.968 min  
Delta R.T.: 0.000 min  
Response: 126026419  
Conc: 50.48 ng/ml



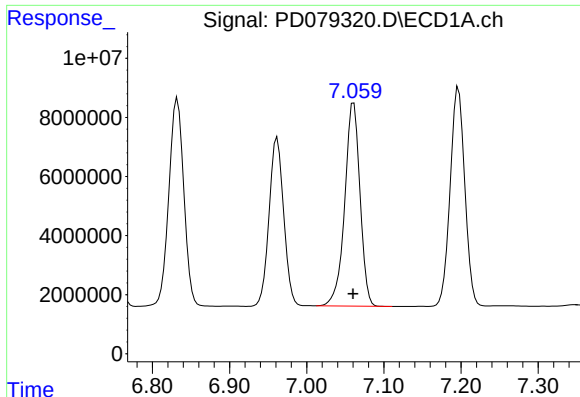
#16 4,4'-DDD

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 89999582  
Conc: 51.20 ng/ml



#16 4,4'-DDD

R.T.: 5.822 min  
Delta R.T.: -0.001 min  
Response: 125794654  
Conc: 55.07 ng/ml



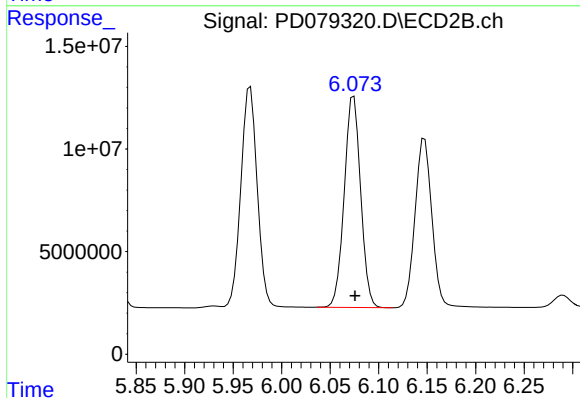
#17 4,4'-DDT

R.T.: 7.061 min  
Delta R.T.: 0.000 min  
Response: 94034930  
Conc: 49.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

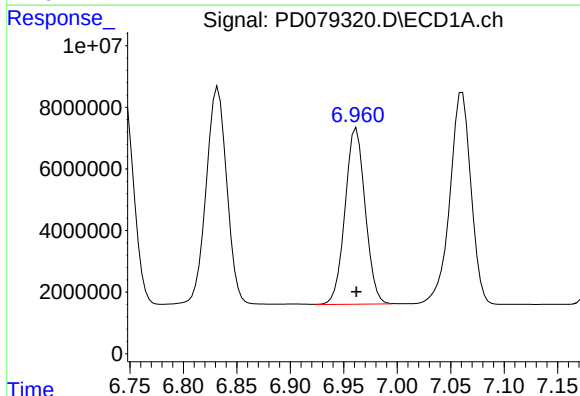
Manual Integrations  
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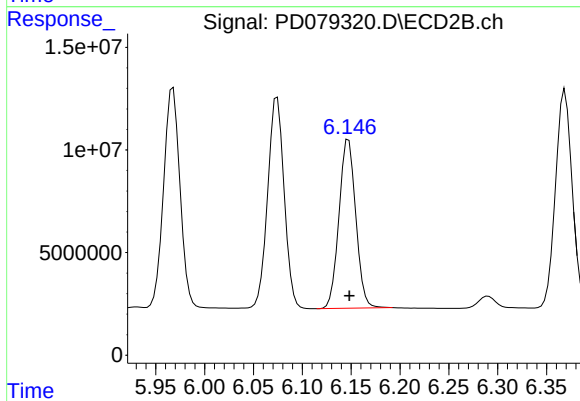
#17 4,4'-DDT

R.T.: 6.074 min  
Delta R.T.: -0.001 min  
Response: 120914738  
Conc: 52.82 ng/ml



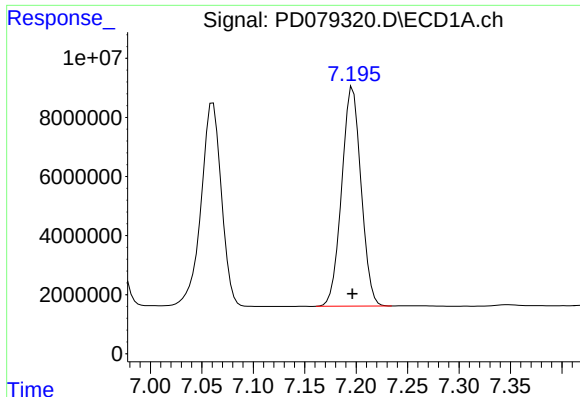
#18 Endrin aldehyde

R.T.: 6.960 min  
Delta R.T.: -0.001 min  
Response: 75168265  
Conc: 48.67 ng/ml m



#18 Endrin aldehyde

R.T.: 6.147 min  
Delta R.T.: 0.000 min  
Response: 98391697  
Conc: 52.92 ng/ml



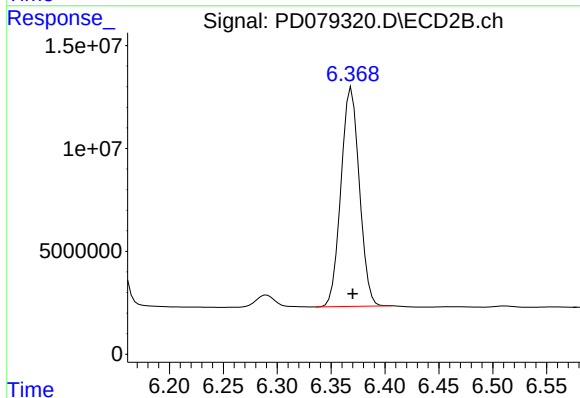
#19 Endosulfan Sulfate

R.T.: 7.197 min  
Delta R.T.: 0.000 min  
Response: 97318536  
Conc: 48.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

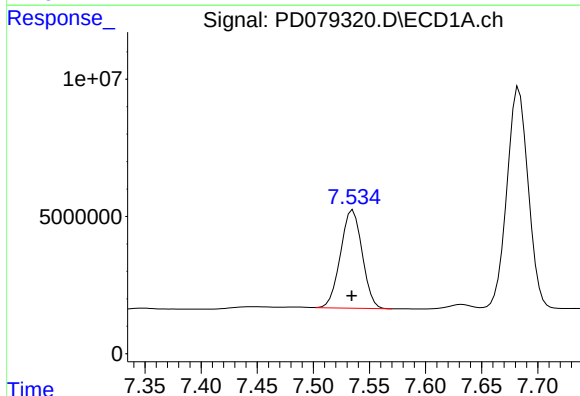
Manual Integrations  
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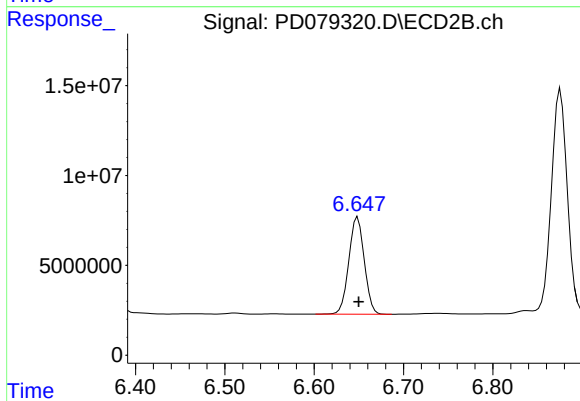
#19 Endosulfan Sulfate

R.T.: 6.369 min  
Delta R.T.: 0.000 min  
Response: 126400029  
Conc: 54.14 ng/ml



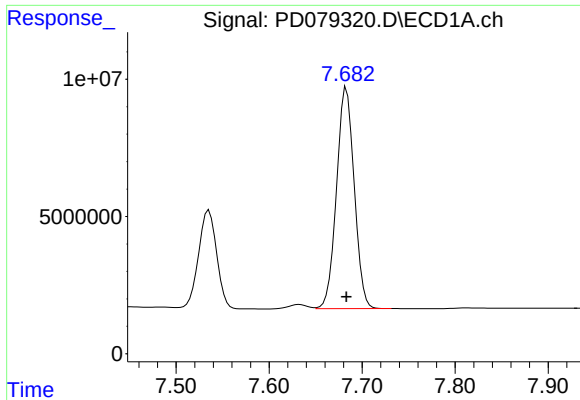
#20 Methoxychlor

R.T.: 7.535 min  
Delta R.T.: 0.001 min  
Response: 48106646  
Conc: 43.90 ng/ml



#20 Methoxychlor

R.T.: 6.649 min  
Delta R.T.: -0.001 min  
Response: 64934113  
Conc: 47.83 ng/ml



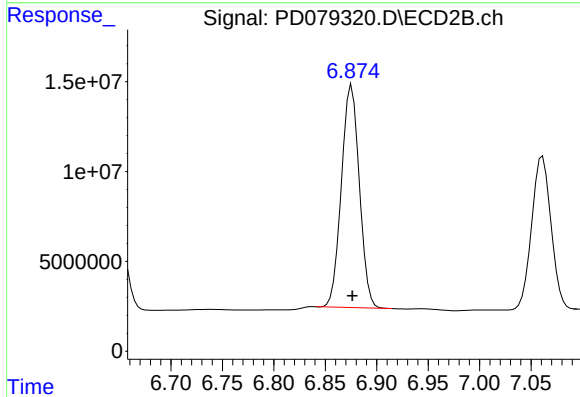
#21 Endrin ketone

R.T.: 7.683 min  
Delta R.T.: 0.000 min  
Response: 106610436  
Conc: 48.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

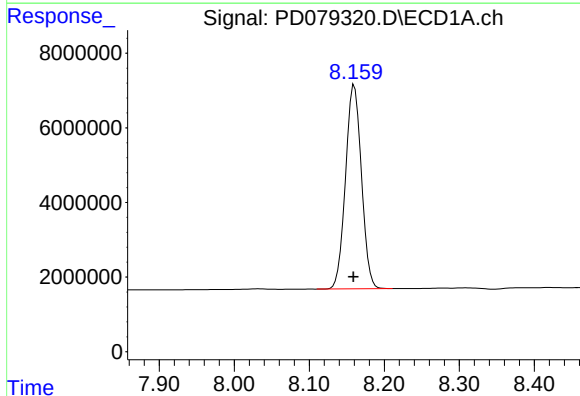
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/01/2023  
Supervised By :mohammad ahmed 11/02/2023



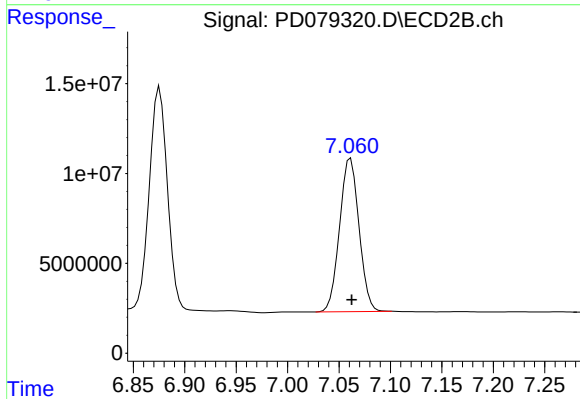
#21 Endrin ketone

R.T.: 6.876 min  
Delta R.T.: 0.000 min  
Response: 150459894  
Conc: 53.82 ng/ml



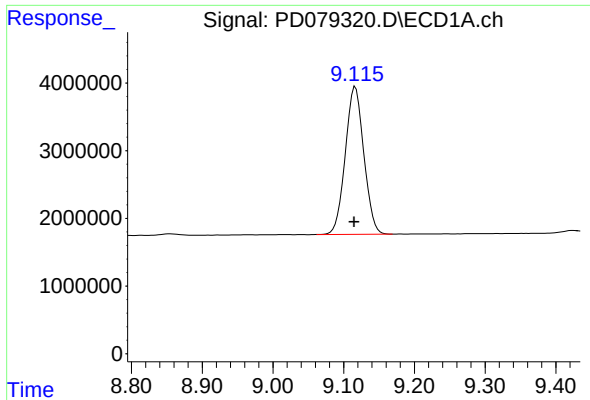
#22 Mirex

R.T.: 8.160 min  
Delta R.T.: 0.001 min  
Response: 80591680  
Conc: 47.61 ng/ml



#22 Mirex

R.T.: 7.061 min  
Delta R.T.: -0.001 min  
Response: 112111258  
Conc: 52.48 ng/ml



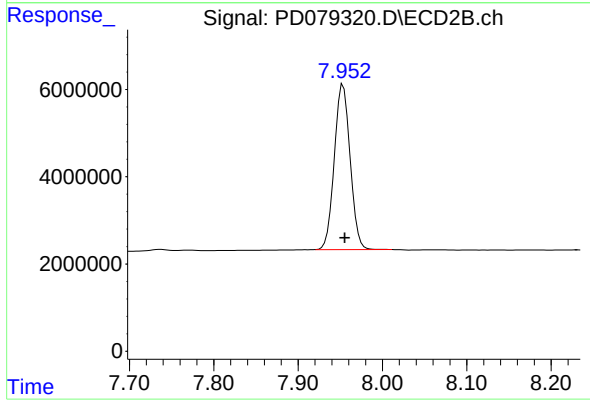
#28 Decachlorobiphenyl

R.T.: 9.117 min  
Delta R.T.: 0.002 min  
Response: 39750062  
Conc: 19.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB156732BSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/01/2023  
Supervised By :mohammad ahmed 11/02/2023



#28 Decachlorobiphenyl

R.T.: 7.953 min  
Delta R.T.: -0.002 min  
Response: 49401751  
Conc: 20.27 ng/ml