

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022223\  
 Data File : PL081080.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2023 14:25  
 Operator : AR\AJ  
 Sample : 01640-01MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-1MS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/23/2023  
 Supervised By : Ankita Jodhani 02/23/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 22 20:18:49 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Feb 20 18:06:39 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.350 | 2.687 | 38496080 | 37141455 | 16.515m | 16.140 |
| 28)                         | SA Decachlor... | 8.786 | 7.829 | 24788060 | 28006375 | 12.679  | 11.955 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.799 | 3.188 | 154.6E6  | 139.7E6  | 43.878  | 41.716 |
| 3)                          | MA gamma-BHC... | 4.127 | 3.516 | 145.0E6  | 131.9E6  | 44.027  | 41.981 |
| 4)                          | MA Heptachlor   | 4.711 | 3.856 | 144.3E6  | 136.6E6  | 43.884  | 41.662 |
| 5)                          | MB Aldrin       | 5.049 | 4.135 | 128.0E6  | 126.0E6  | 42.558  | 40.992 |
| 6)                          | B beta-BHC      | 4.324 | 3.812 | 64596307 | 55632554 | 43.222  | 41.349 |
| 7)                          | B delta-BHC     | 4.567 | 4.041 | 140.7E6  | 124.6E6  | 43.810  | 41.230 |
| 8)                          | B Heptachlo...  | 5.473 | 4.637 | 118.5E6  | 116.7E6  | 42.550  | 40.771 |
| 9)                          | A Endosulfan I  | 5.855 | 5.006 | 109.4E6  | 106.1E6  | 42.153  | 39.814 |
| 10)                         | B gamma-Chl...  | 5.728 | 4.888 | 119.3E6  | 115.4E6  | 42.702  | 39.621 |
| 11)                         | B alpha-Chl...  | 5.807 | 4.951 | 117.4E6  | 115.1E6  | 42.329  | 39.416 |
| 12)                         | B 4,4'-DDE      | 5.985 | 5.144 | 102.0E6  | 99464702 | 41.219  | 41.669 |
| 13)                         | MA Dieldrin     | 6.129 | 5.271 | 109.5E6  | 109.3E6  | 41.355  | 39.677 |
| 14)                         | MA Endrin       | 6.356 | 5.545 | 97406966 | 97823323 | 41.144  | 39.564 |
| 15)                         | B Endosulfa...  | 6.575 | 5.839 | 87602312 | 88149163 | 39.462  | 38.984 |
| 16)                         | A 4,4'-DDD      | 6.498 | 5.697 | 83744591 | 77450569 | 41.403  | 40.689 |
| 17)                         | MA 4,4'-DDT     | 6.811 | 5.949 | 88536565 | 85127533 | 39.186  | 39.264 |
| 18)                         | B Endrin al...  | 6.703 | 6.019 | 72916942 | 70422632 | 40.101m | 38.166 |
| 19)                         | B Endosulfa...  | 6.938 | 6.241 | 92905368 | 91172878 | 40.340  | 38.466 |
| 20)                         | A Methoxychlor  | 7.289 | 6.526 | 49428060 | 48073948 | 40.281  | 40.053 |
| 21)                         | B Endrin ke...  | 7.418 | 6.746 | 93930945 | 96434378 | 39.442  | 36.831 |
| 22)                         | Mirex           | 7.889 | 6.929 | 76734423 | 84368582 | 41.014  | 36.272 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022223\  
Data File : PL081080.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2023 14:25  
Operator : AR\AJ  
Sample : 01640-01MS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

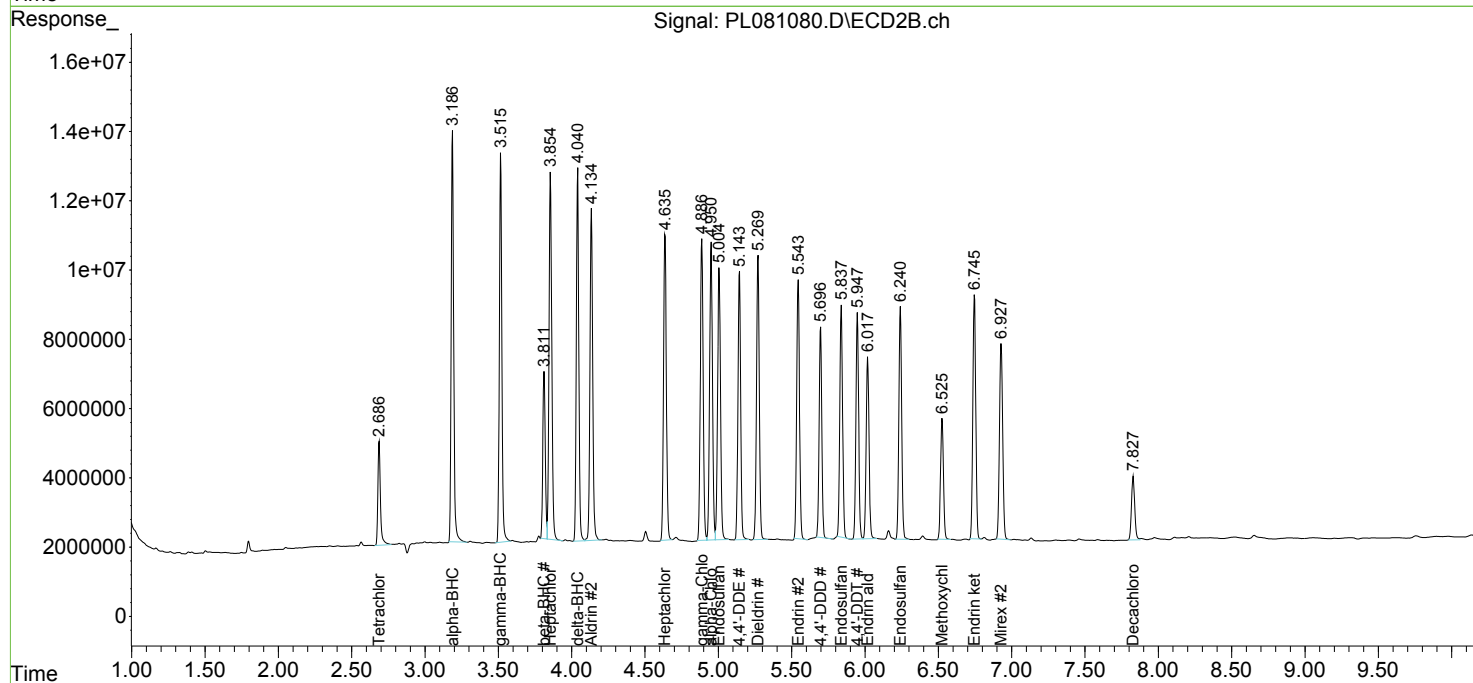
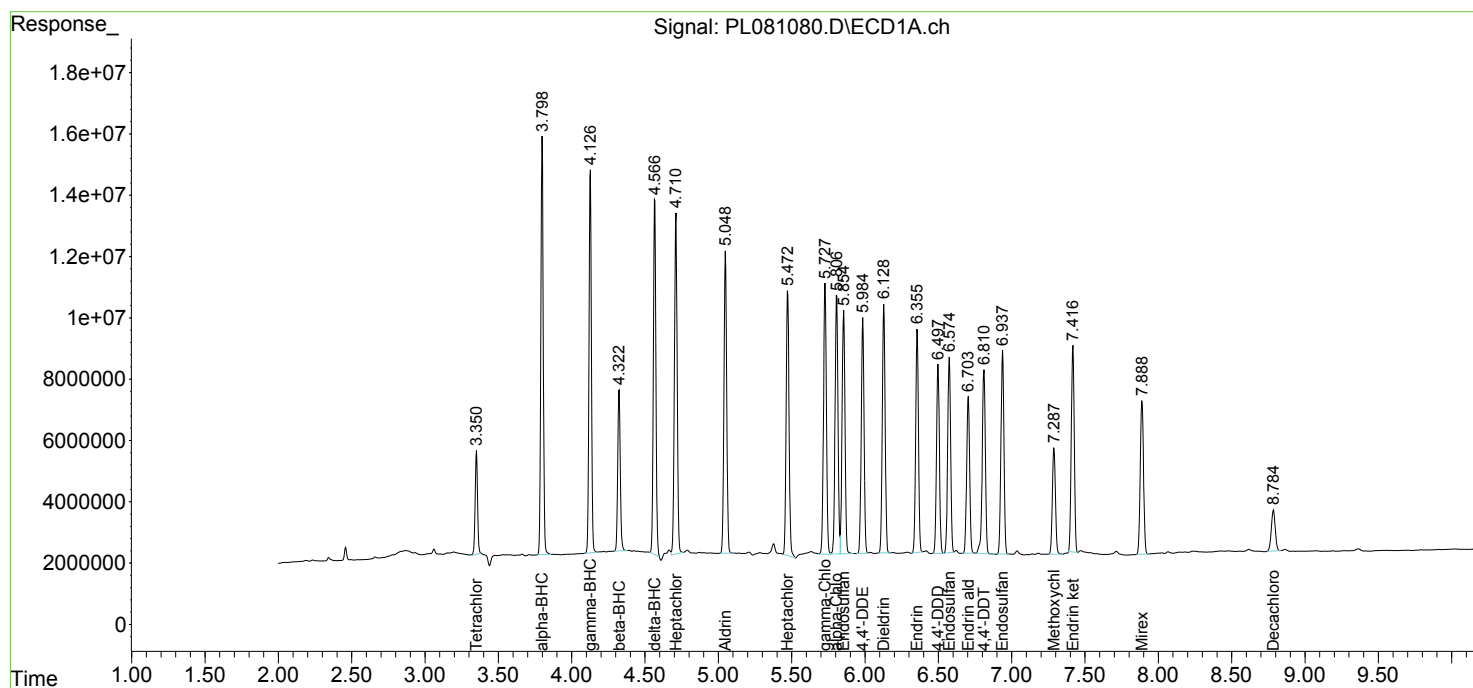
Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

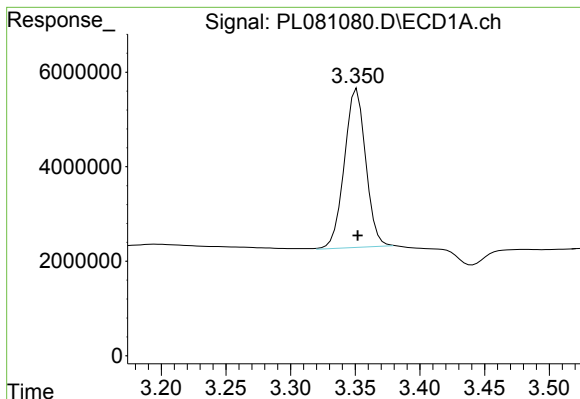
Manual Integrations  
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Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 22 20:18:49 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
Quant Title : GC Extractables  
QLast Update : Mon Feb 20 18:06:39 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm





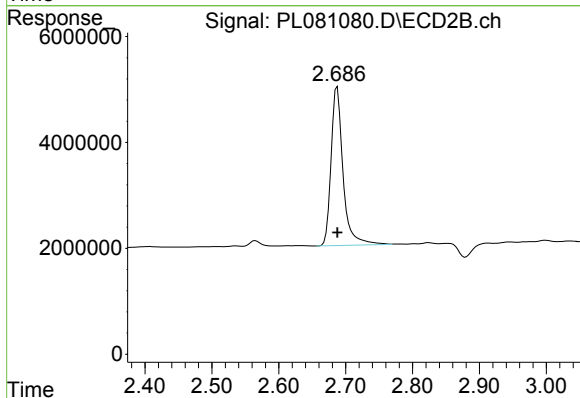
#1 Tetrachloro-m-xylene

R.T.: 3.350 min  
Delta R.T.: -0.002 min  
Response: 38496080  
Conc: 16.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

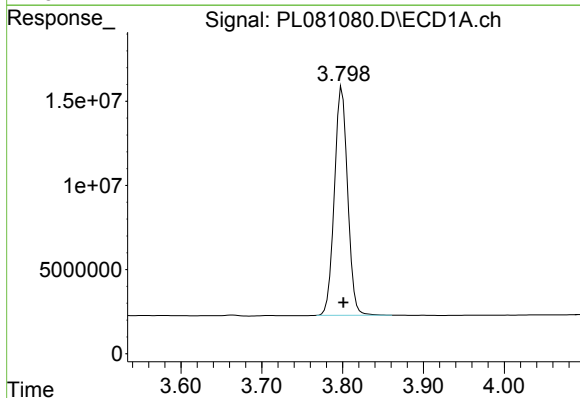
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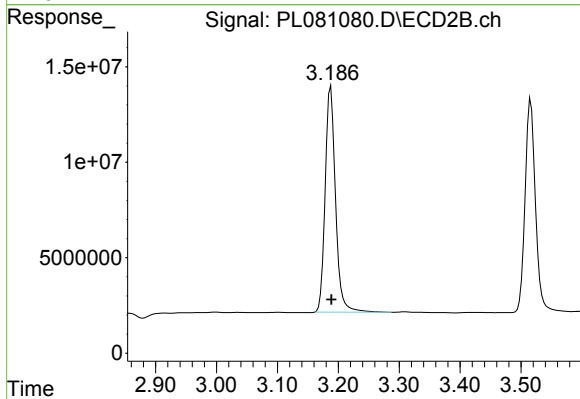
#1 Tetrachloro-m-xylene

R.T.: 2.687 min  
Delta R.T.: 0.000 min  
Response: 37141455  
Conc: 16.14 ng/ml



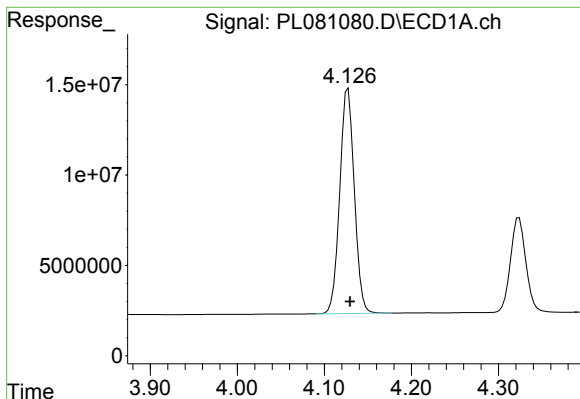
#2 alpha-BHC

R.T.: 3.799 min  
Delta R.T.: -0.002 min  
Response: 154639534  
Conc: 43.88 ng/ml



#2 alpha-BHC

R.T.: 3.188 min  
Delta R.T.: -0.001 min  
Response: 139705088  
Conc: 41.72 ng/ml



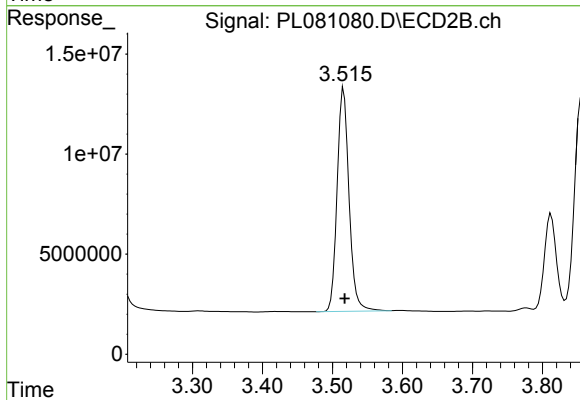
#3 gamma-BHC (Lindane)

R.T.: 4.127 min  
Delta R.T.: -0.002 min  
Response: 145006784  
Conc: 44.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

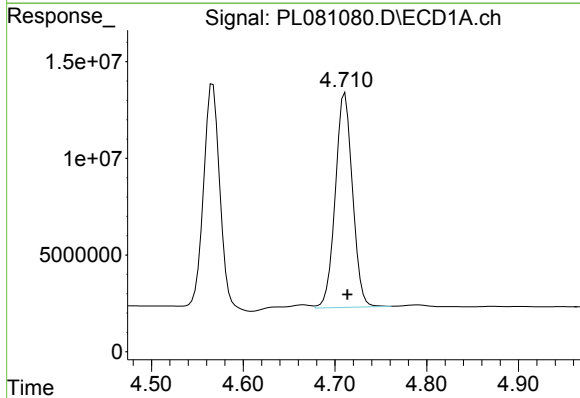
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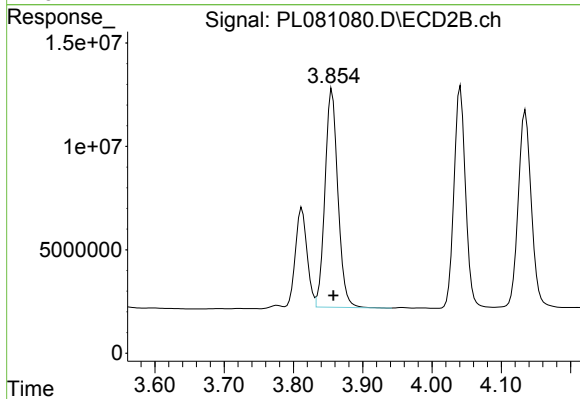
#3 gamma-BHC (Lindane)

R.T.: 3.516 min  
Delta R.T.: -0.001 min  
Response: 131867055  
Conc: 41.98 ng/ml



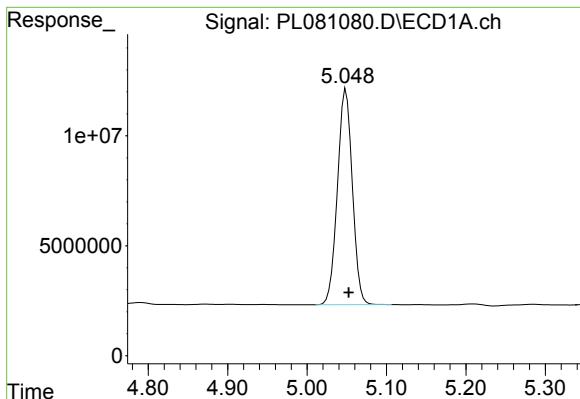
#4 Heptachlor

R.T.: 4.711 min  
Delta R.T.: -0.003 min  
Response: 144315204  
Conc: 43.88 ng/ml



#4 Heptachlor

R.T.: 3.856 min  
Delta R.T.: -0.002 min  
Response: 136588809  
Conc: 41.66 ng/ml



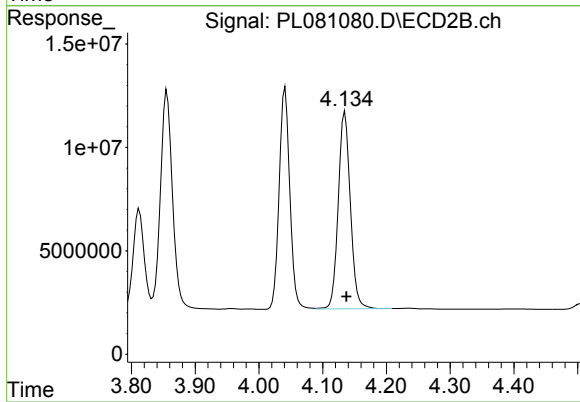
#5 Aldrin

R.T.: 5.049 min  
Delta R.T.: -0.003 min  
Response: 128025198  
Conc: 42.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

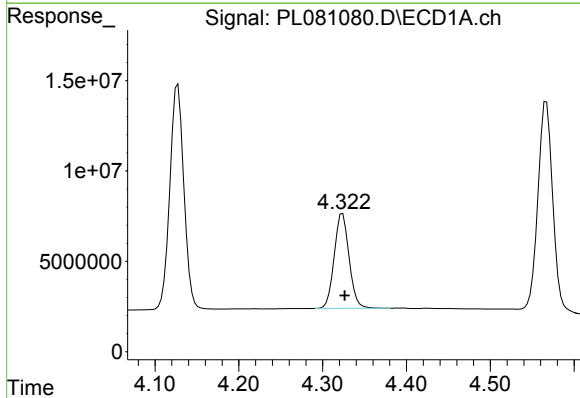
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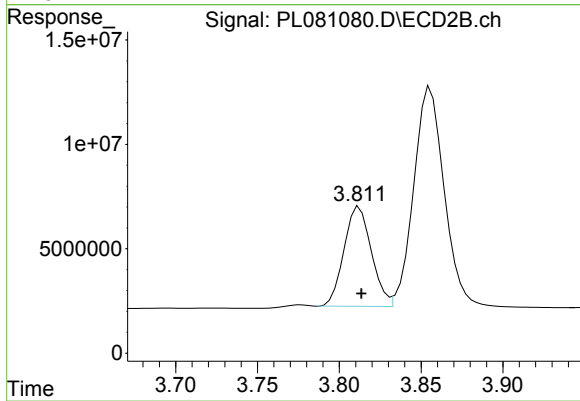
#5 Aldrin

R.T.: 4.135 min  
Delta R.T.: -0.002 min  
Response: 125991972  
Conc: 40.99 ng/ml



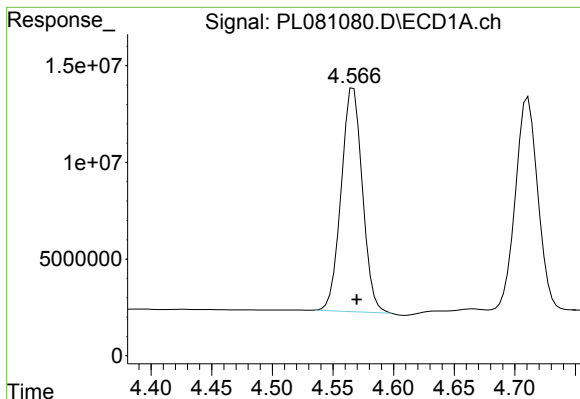
#6 beta-BHC

R.T.: 4.324 min  
Delta R.T.: -0.002 min  
Response: 64596307  
Conc: 43.22 ng/ml



#6 beta-BHC

R.T.: 3.812 min  
Delta R.T.: -0.001 min  
Response: 55632554  
Conc: 41.35 ng/ml



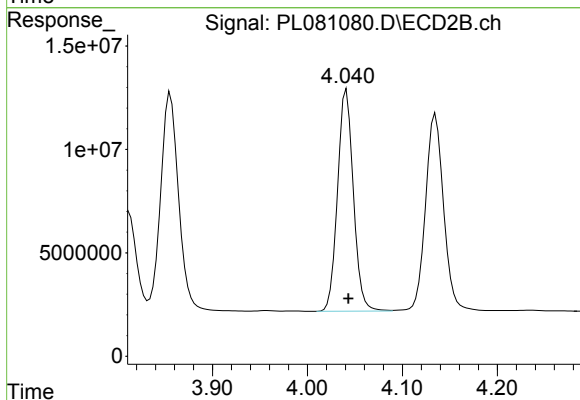
#7 delta-BHC

R.T.: 4.567 min  
Delta R.T.: -0.003 min  
Response: 140670208  
Conc: 43.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

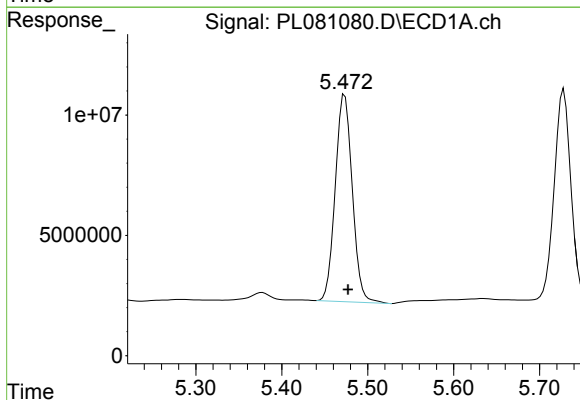
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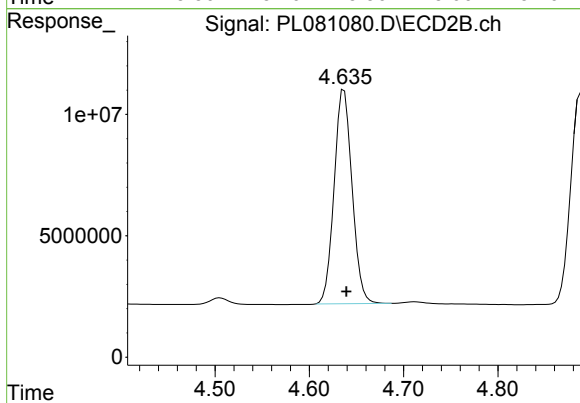
#7 delta-BHC

R.T.: 4.041 min  
Delta R.T.: -0.002 min  
Response: 124569029  
Conc: 41.23 ng/ml



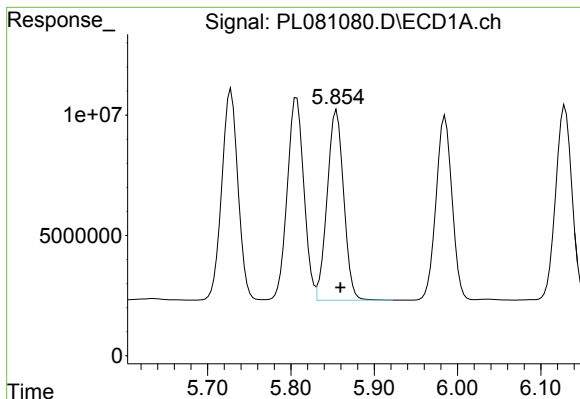
#8 Heptachlor epoxide

R.T.: 5.473 min  
Delta R.T.: -0.004 min  
Response: 118486193  
Conc: 42.55 ng/ml



#8 Heptachlor epoxide

R.T.: 4.637 min  
Delta R.T.: -0.003 min  
Response: 116658532  
Conc: 40.77 ng/ml



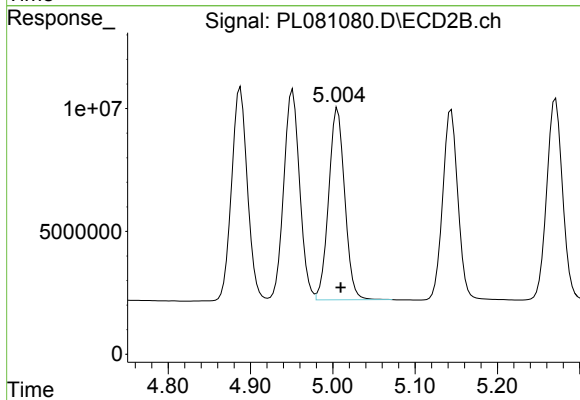
#9 Endosulfan I

R.T.: 5.855 min  
Delta R.T.: -0.004 min  
Response: 109373200  
Conc: 42.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

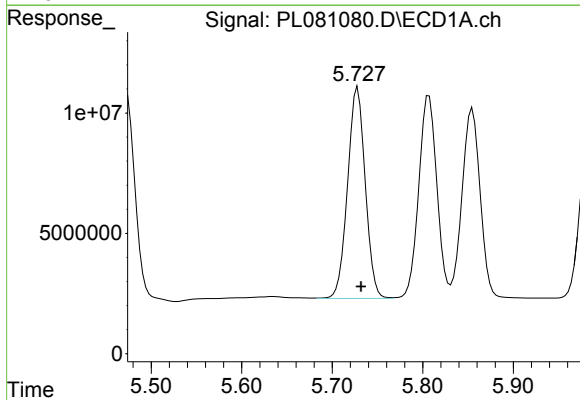
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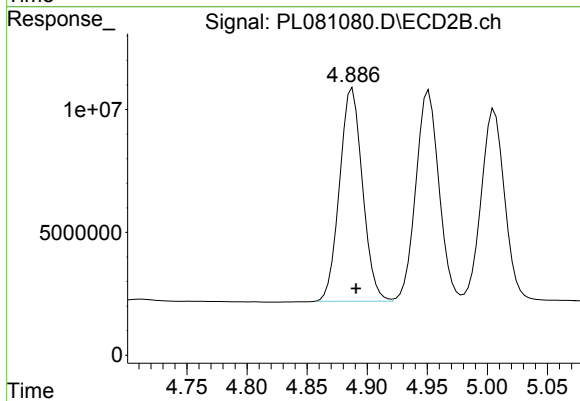
#9 Endosulfan I

R.T.: 5.006 min  
Delta R.T.: -0.004 min  
Response: 106118183  
Conc: 39.81 ng/ml



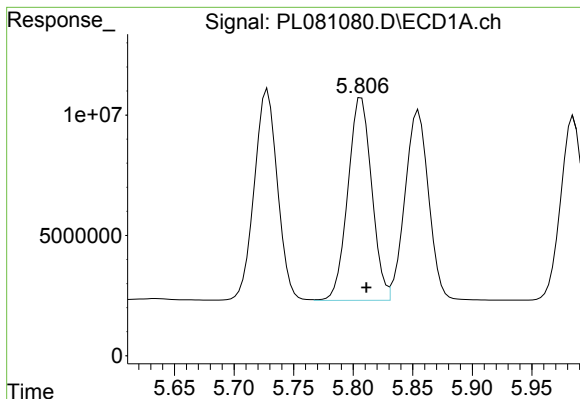
#10 gamma-Chlordane

R.T.: 5.728 min  
Delta R.T.: -0.004 min  
Response: 119282894  
Conc: 42.70 ng/ml



#10 gamma-Chlordane

R.T.: 4.888 min  
Delta R.T.: -0.003 min  
Response: 115383067  
Conc: 39.62 ng/ml



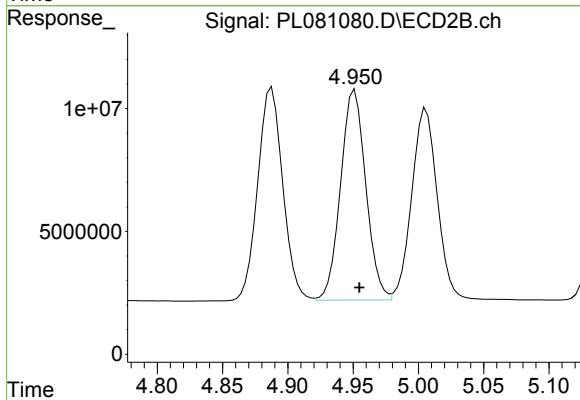
#11 alpha-Chlordane

R.T.: 5.807 min  
Delta R.T.: -0.004 min  
Response: 117448887  
Conc: 42.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

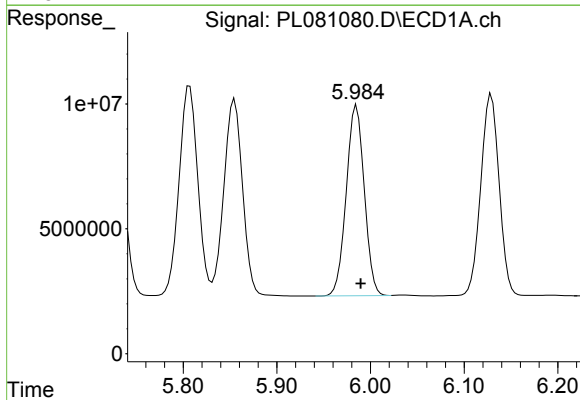
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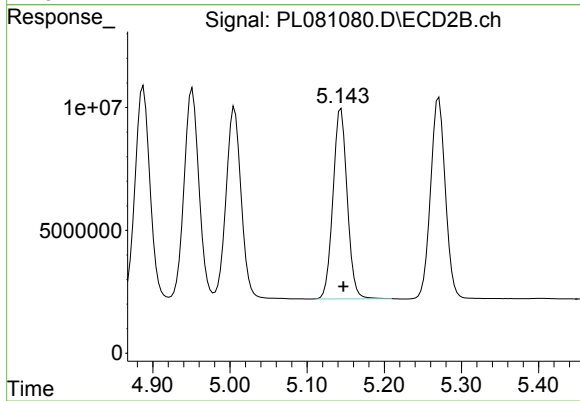
#11 alpha-Chlordane

R.T.: 4.951 min  
Delta R.T.: -0.003 min  
Response: 115077002  
Conc: 39.42 ng/ml



#12 4,4'-DDE

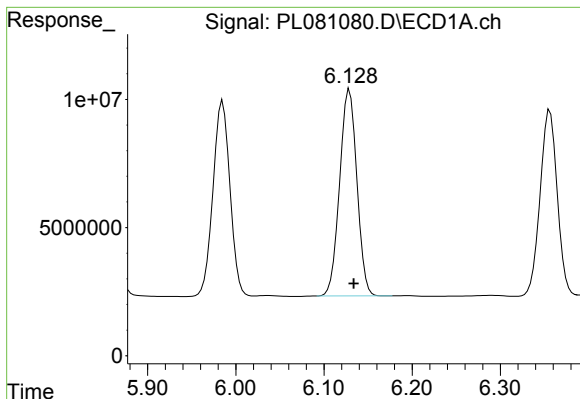
R.T.: 5.985 min  
Delta R.T.: -0.004 min  
Response: 102026672  
Conc: 41.22 ng/ml



#12 4,4'-DDE

R.T.: 5.144 min  
Delta R.T.: -0.003 min  
Response: 99464702  
Conc: 41.67 ng/ml





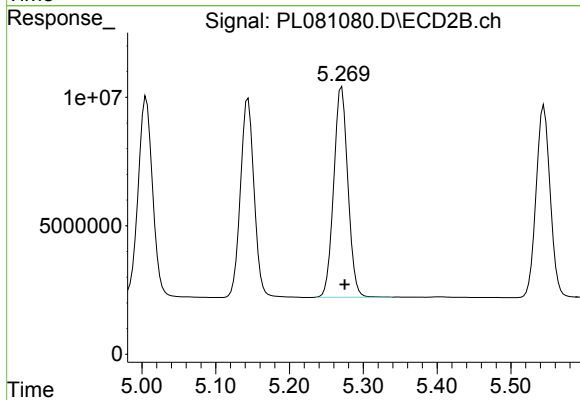
#13 Dieldrin

R.T.: 6.129 min  
Delta R.T.: -0.005 min  
Response: 109517301  
Conc: 41.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

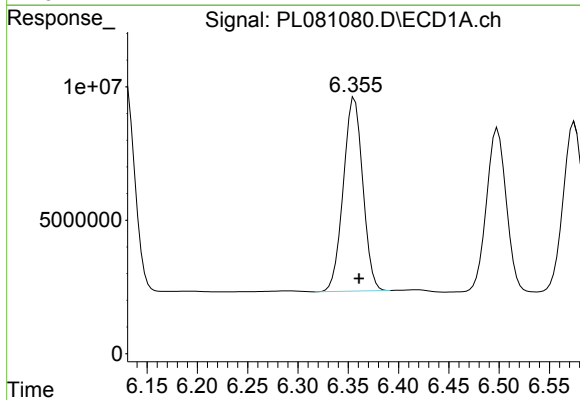
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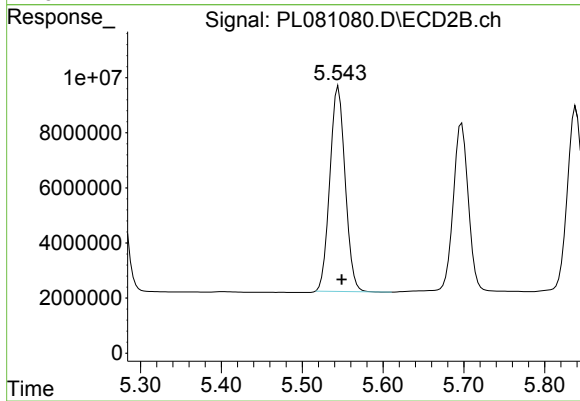
#13 Dieldrin

R.T.: 5.271 min  
Delta R.T.: -0.004 min  
Response: 109286413  
Conc: 39.68 ng/ml



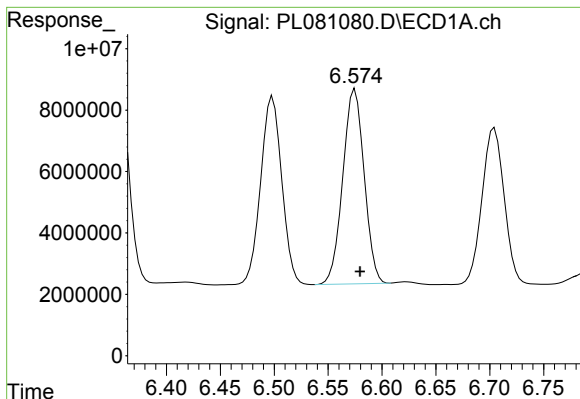
#14 Endrin

R.T.: 6.356 min  
Delta R.T.: -0.004 min  
Response: 97406966  
Conc: 41.14 ng/ml



#14 Endrin

R.T.: 5.545 min  
Delta R.T.: -0.004 min  
Response: 97823323  
Conc: 39.56 ng/ml



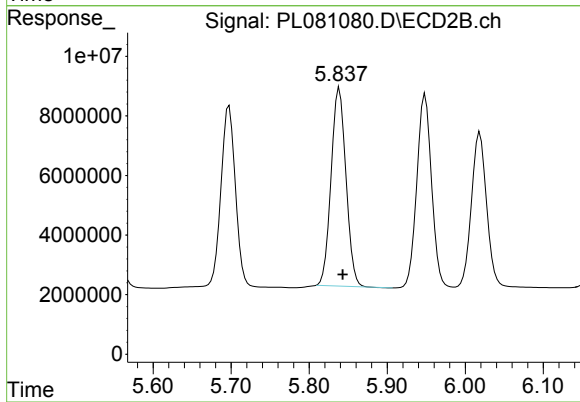
#15 Endosulfan II

R.T.: 6.575 min  
Delta R.T.: -0.005 min  
Response: 87602312  
Conc: 39.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

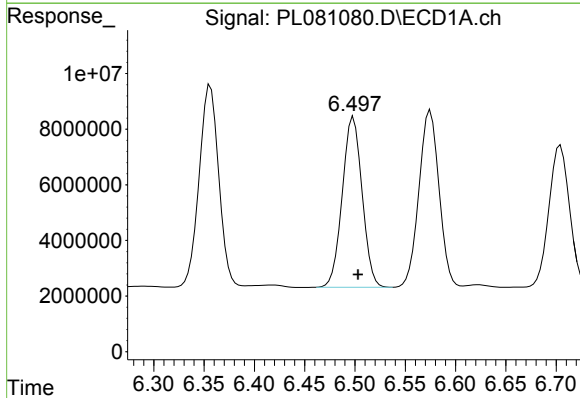
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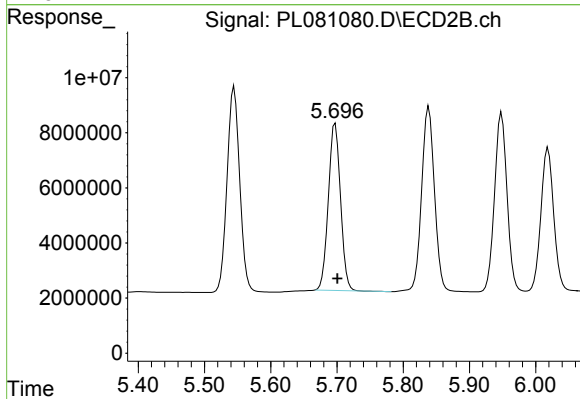
#15 Endosulfan II

R.T.: 5.839 min  
Delta R.T.: -0.004 min  
Response: 88149163  
Conc: 38.98 ng/ml



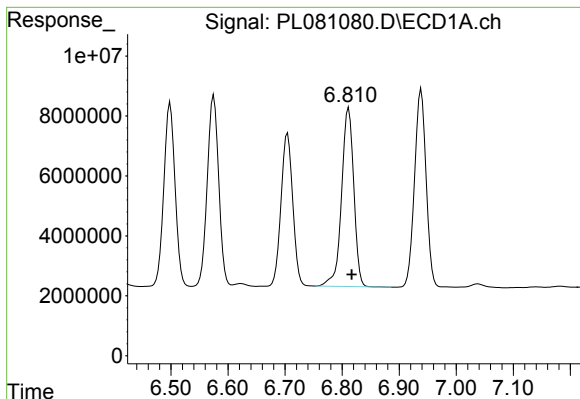
#16 4,4'-DDD

R.T.: 6.498 min  
Delta R.T.: -0.005 min  
Response: 83744591  
Conc: 41.40 ng/ml



#16 4,4'-DDD

R.T.: 5.697 min  
Delta R.T.: -0.003 min  
Response: 77450569  
Conc: 40.69 ng/ml



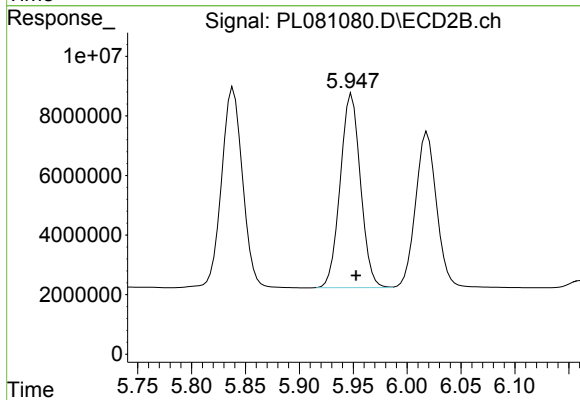
#17 4,4'-DDT

R.T.: 6.811 min  
Delta R.T.: -0.005 min  
Response: 88536565  
Conc: 39.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

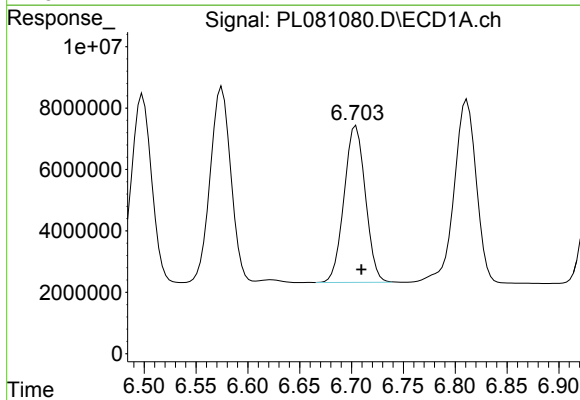
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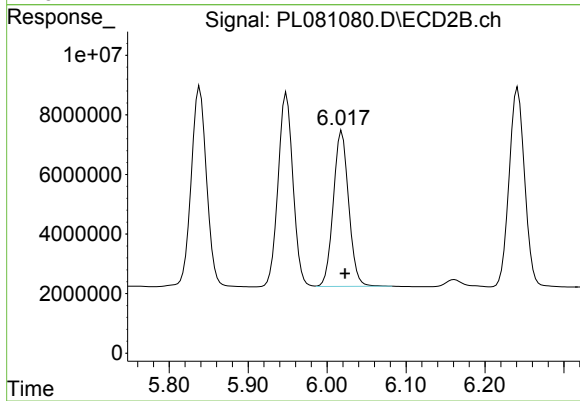
#17 4,4'-DDT

R.T.: 5.949 min  
Delta R.T.: -0.004 min  
Response: 85127533  
Conc: 39.26 ng/ml



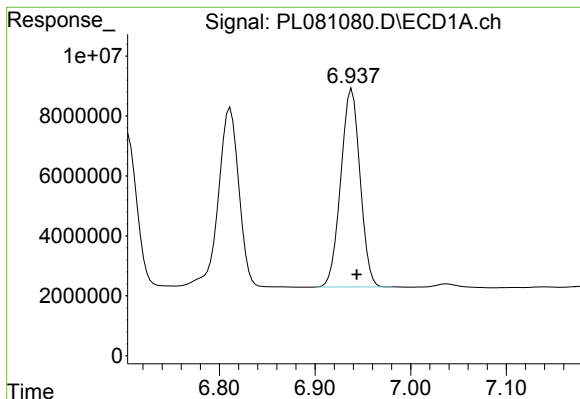
#18 Endrin aldehyde

R.T.: 6.703 min  
Delta R.T.: -0.006 min  
Response: 72916942  
Conc: 40.10 ng/ml m



#18 Endrin aldehyde

R.T.: 6.019 min  
Delta R.T.: -0.004 min  
Response: 70422632  
Conc: 38.17 ng/ml



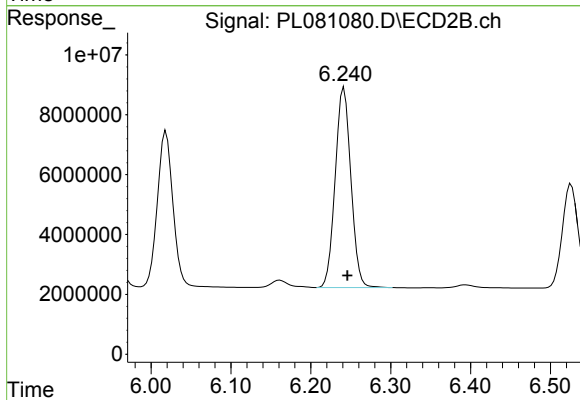
#19 Endosulfan Sulfate

R.T.: 6.938 min  
Delta R.T.: -0.005 min  
Response: 92905368  
Conc: 40.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

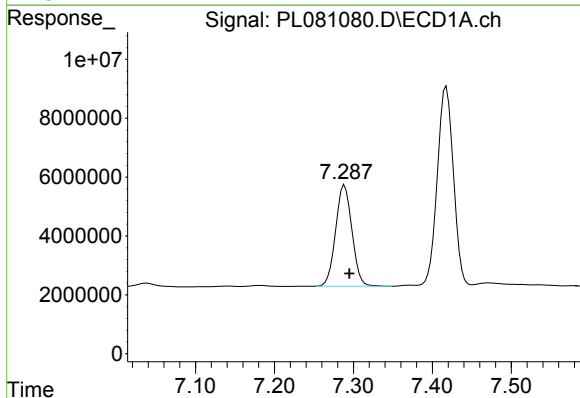
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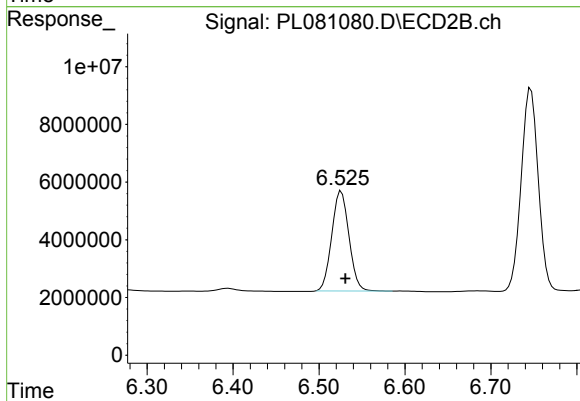
#19 Endosulfan Sulfate

R.T.: 6.241 min  
Delta R.T.: -0.004 min  
Response: 91172878  
Conc: 38.47 ng/ml



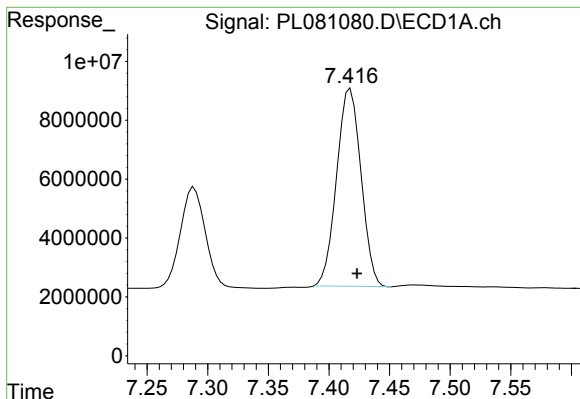
#20 Methoxychlor

R.T.: 7.289 min  
Delta R.T.: -0.006 min  
Response: 49428060  
Conc: 40.28 ng/ml



#20 Methoxychlor

R.T.: 6.526 min  
Delta R.T.: -0.005 min  
Response: 48073948  
Conc: 40.05 ng/ml



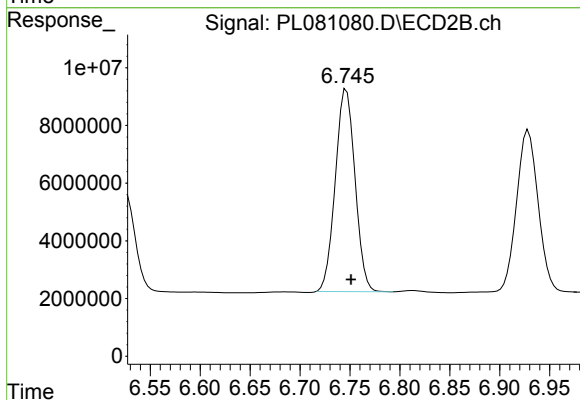
#21 Endrin ketone

R.T.: 7.418 min  
Delta R.T.: -0.006 min  
Response: 93930945  
Conc: 39.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

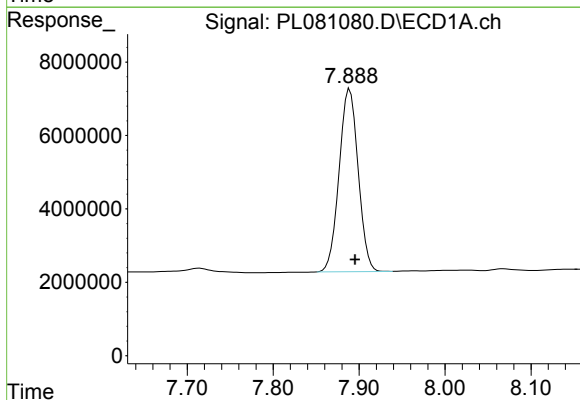
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



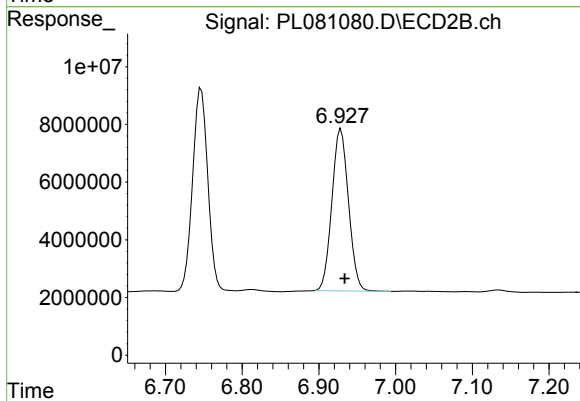
#21 Endrin ketone

R.T.: 6.746 min  
Delta R.T.: -0.005 min  
Response: 96434378  
Conc: 36.83 ng/ml



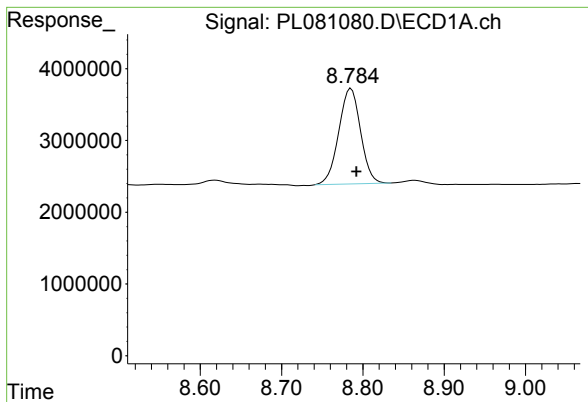
#22 Mirex

R.T.: 7.889 min  
Delta R.T.: -0.006 min  
Response: 76734423  
Conc: 41.01 ng/ml



#22 Mirex

R.T.: 6.929 min  
Delta R.T.: -0.005 min  
Response: 84368582  
Conc: 36.27 ng/ml



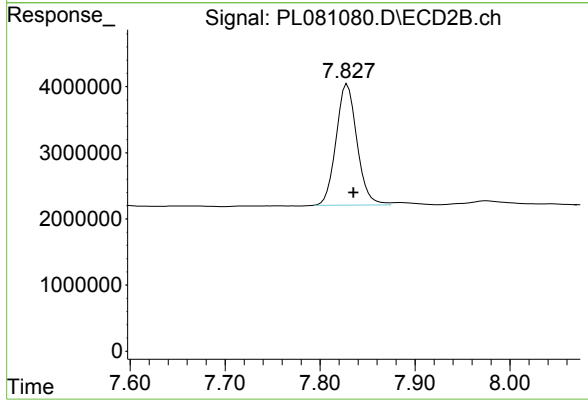
#28 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: -0.007 min  
Response: 24788060  
Conc: 12.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



#28 Decachlorobiphenyl

R.T.: 7.829 min  
Delta R.T.: -0.006 min  
Response: 28006375  
Conc: 11.96 ng/ml