

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102419\  
 Data File : PL053686.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2019 15:45  
 Operator : SG\AJ  
 Sample : K5499-15MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 705-81-(0-1)MSD

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 25 03:41:27 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101919.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 18 13:56:08 2019  
 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... | 3.542 | 4.044 | 146.2E6 | 31020098 | 13.491  | 12.396  |
| 28)                         | SA Decachlor... | 8.325 | 9.121 | 115.6E6 | 21573039 | 11.779  | 7.661 # |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.985 | 4.435 | 790.7E6 | 163.9E6  | 45.346  | 47.422  |
| 3)                          | MA gamma-BHC... | 4.272 | 4.719 | 781.8E6 | 185.8E6  | 50.198  | 57.704m |
| 4)                          | MA Heptachlor   | 4.579 | 5.230 | 728.0E6 | 147.3E6  | 46.125  | 45.701  |
| 5)                          | MB Aldrin       | 4.830 | 5.534 | 630.0E6 | 145.0E6  | 44.070  | 48.618m |
| 6)                          | B beta-BHC      | 4.522 | 4.890 | 312.8E6 | 56596886 | 47.472  | 36.641m |
| 7)                          | B delta-BHC     | 4.730 | 5.108 | 576.8E6 | 116.7E6  | 37.897  | 38.627  |
| 8)                          | B Heptachlor... | 5.276 | 5.920 | 608.0E6 | 121.3E6  | 45.039  | 41.576m |
| 9)                          | A Endosulfan I  | 5.619 | 6.278 | 454.1E6 | 124.5E6  | 36.942  | 45.922  |
| 10)                         | B gamma-Chl...  | 5.505 | 6.155 | 665.0E6 | 142.2E6  | 48.740  | 48.739  |
| 11)                         | B alpha-Chl...  | 5.563 | 6.228 | 607.4E6 | 148.1E6  | 45.660  | 50.727  |
| 12)                         | B 4,4'-DDE      | 5.726 | 6.383 | 578.5E6 | 117.1E6  | 48.685  | 41.593  |
| 13)                         | MA Dieldrin     | 5.861 | 6.536 | 626.3E6 | 126.4E6  | 48.056m | 44.290  |
| 14)                         | MA Endrin       | 6.121 | 6.753 | 531.3E6 | 99893319 | 45.836  | 41.156  |
| 15)                         | B Endosulfa...  | 6.394 | 6.962 | 508.9E6 | 102.9E6  | 45.515  | 40.264  |
| 16)                         | A 4,4'-DDD      | 6.243 | 6.874 | 381.7E6 | 99124019 | 42.884  | 47.565  |
| 17)                         | MA 4,4'-DDT     | 6.485 | 7.173 | 597.6E6 | 114.0E6  | 60.325m | 49.283  |
| 18)                         | B Endrin al...  | 6.562 | 7.085 | 347.0E6 | 84961288 | 37.849  | 38.675  |
| 19)                         | B Endosulfa...  | 6.776 | 7.308 | 404.4E6 | 87081169 | 39.759  | 35.491  |
| 20)                         | A Methoxychlor  | 7.031 | 7.630 | 217.3E6 | 54777978 | 44.068  | 42.172  |
| 21)                         | B Endrin ke...  | 7.269 | 7.780 | 402.0E6 | 99167857 | 37.342  | 38.460  |
| 22)                         | Mirex           | 7.462 | 8.235 | 371.6E6 | 96410449 | 43.443  | 47.656  |
| -----                       |                 |       |       |         |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL102419\  
Data File : PL053686.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2019 15:45  
Operator : SG\AJ  
Sample : K5499-15MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

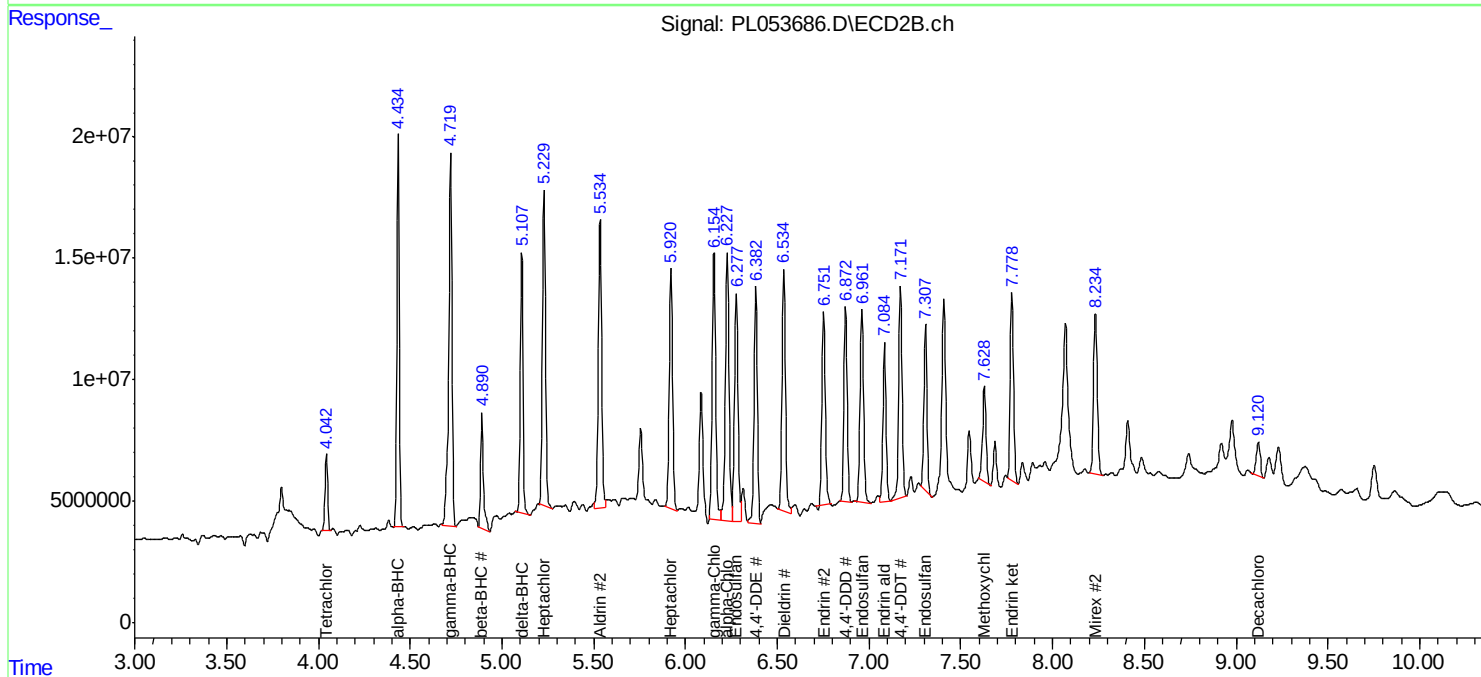
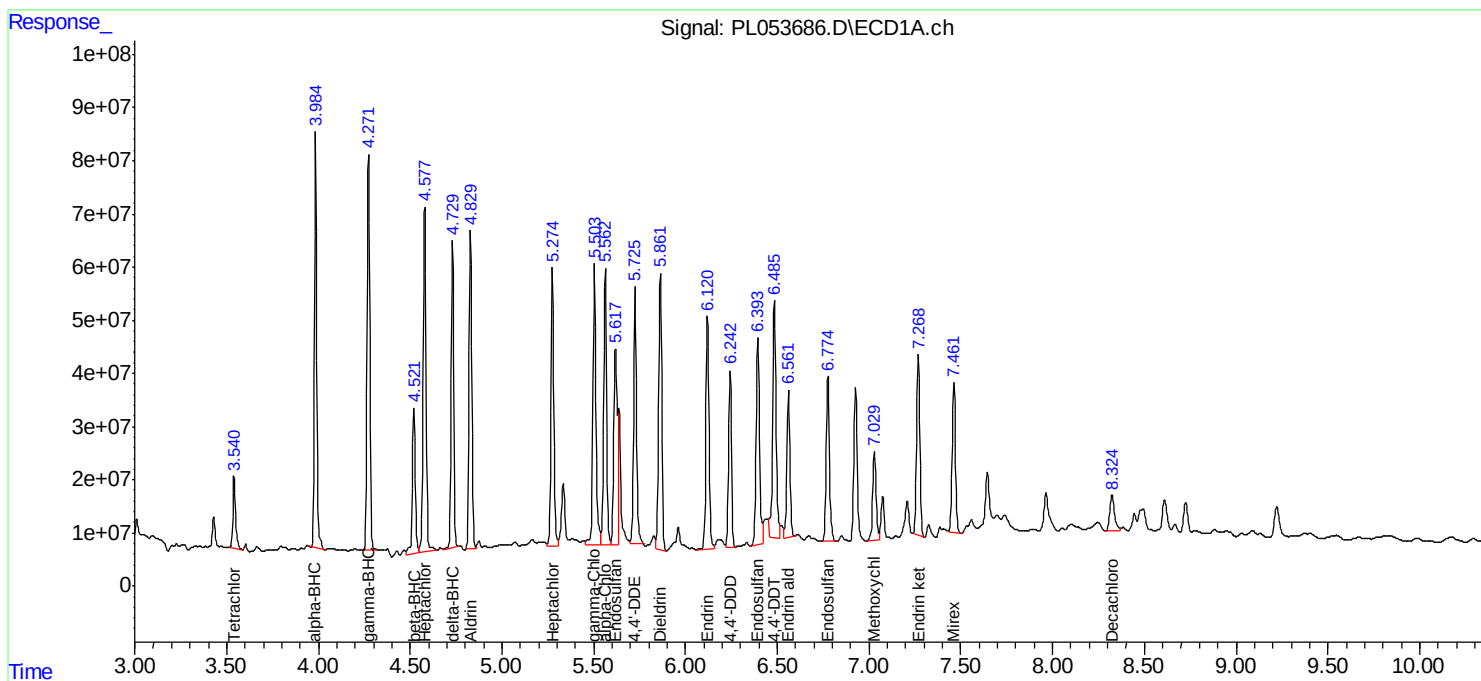
Instrument :  
ECD\_L  
ClientSampled :  
705-81-(0-1)MSD

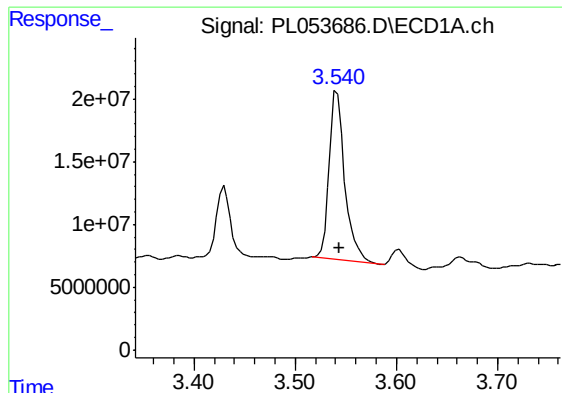
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 25 03:41:27 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101919.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 18 13:56:08 2019  
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





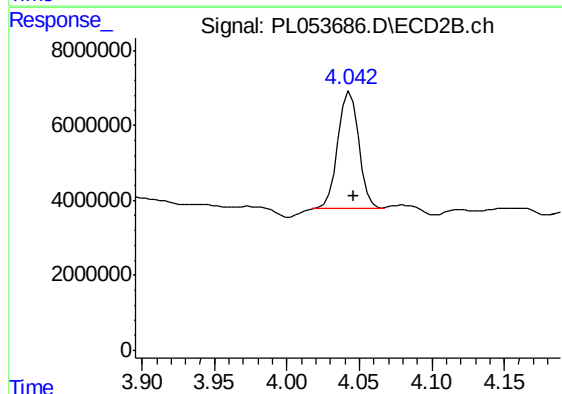
#1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.002 min  
Response: 146237050  
Conc: 13.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

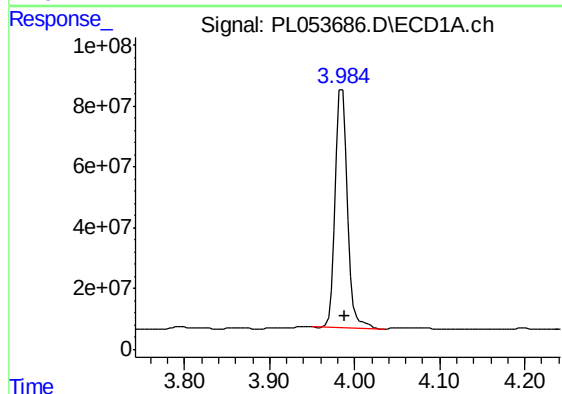
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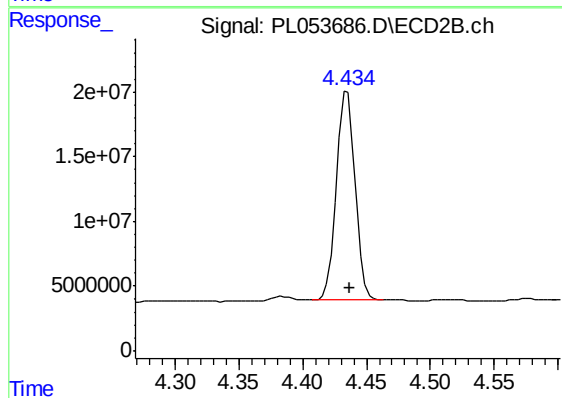
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: -0.002 min  
Response: 31020098  
Conc: 12.40 ng/ml



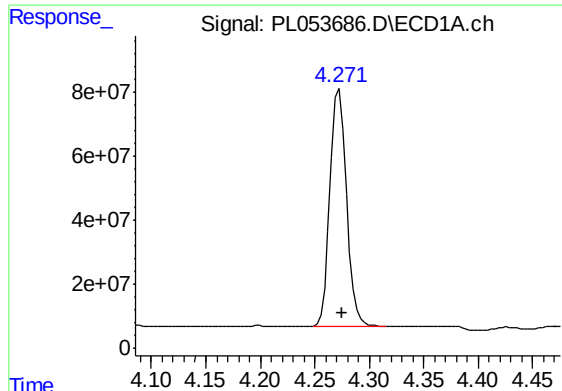
#2 alpha-BHC

R.T.: 3.985 min  
Delta R.T.: -0.003 min  
Response: 790681311  
Conc: 45.35 ng/ml



#2 alpha-BHC

R.T.: 4.435 min  
Delta R.T.: -0.002 min  
Response: 163943522  
Conc: 47.42 ng/ml



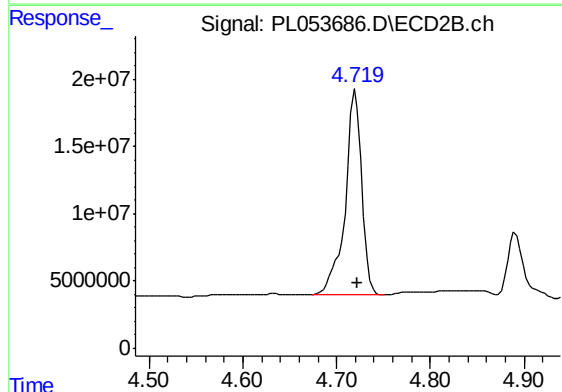
#3 gamma-BHC (Lindane)

R.T.: 4.272 min  
Delta R.T.: -0.002 min  
Response: 781760249  
Conc: 50.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

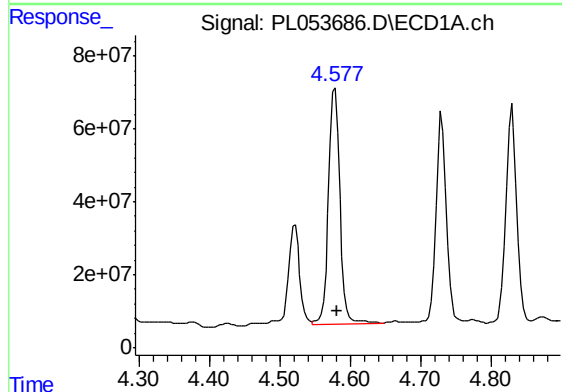
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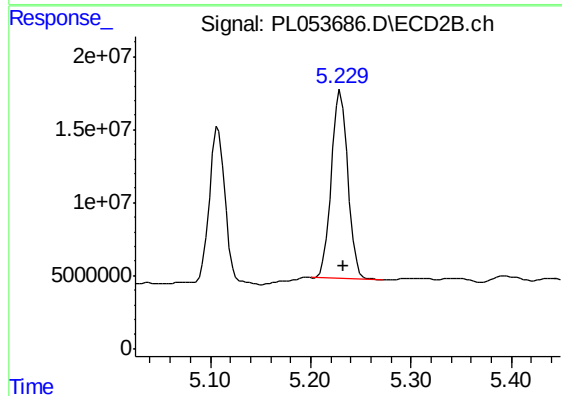
#3 gamma-BHC (Lindane)

R.T.: 4.719 min  
Delta R.T.: -0.003 min  
Response: 185827535  
Conc: 57.70 ng/ml m



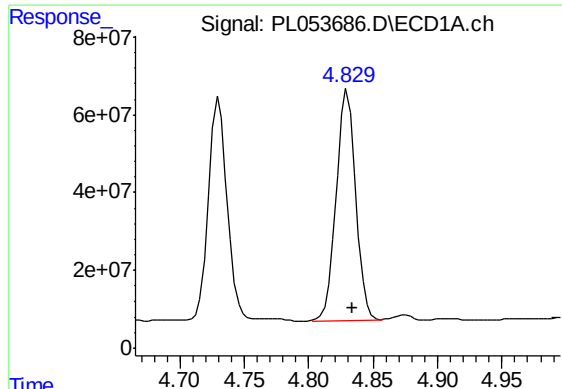
#4 Heptachlor

R.T.: 4.579 min  
Delta R.T.: -0.004 min  
Response: 727985051  
Conc: 46.12 ng/ml



#4 Heptachlor

R.T.: 5.230 min  
Delta R.T.: -0.002 min  
Response: 147256249  
Conc: 45.70 ng/ml



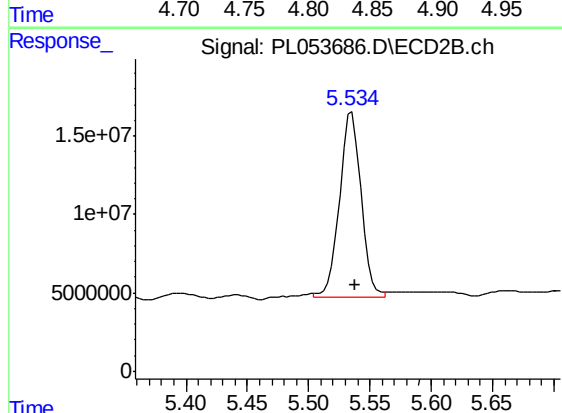
#5 Aldrin

R.T.: 4.830 min  
Delta R.T.: -0.004 min  
Response: 630016487  
Conc: 44.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

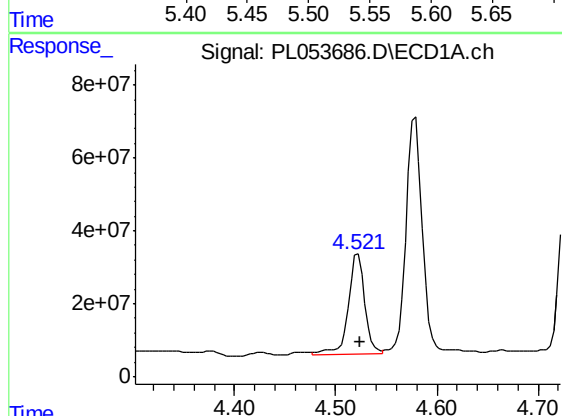
Manual Integrations  
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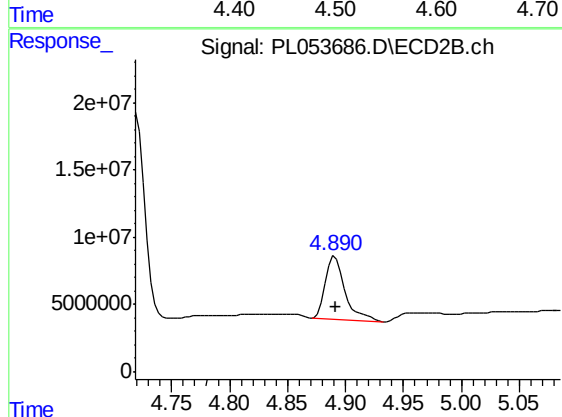
#5 Aldrin

R.T.: 5.534 min  
Delta R.T.: -0.004 min  
Response: 144957192  
Conc: 48.62 ng/ml m



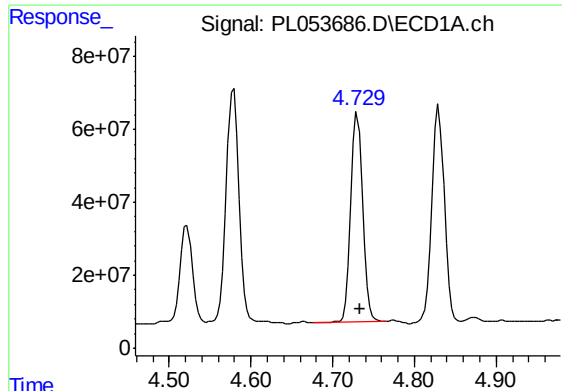
#6 beta-BHC

R.T.: 4.522 min  
Delta R.T.: -0.003 min  
Response: 312833959  
Conc: 47.47 ng/ml



#6 beta-BHC

R.T.: 4.890 min  
Delta R.T.: -0.002 min  
Response: 56596886  
Conc: 36.64 ng/ml m



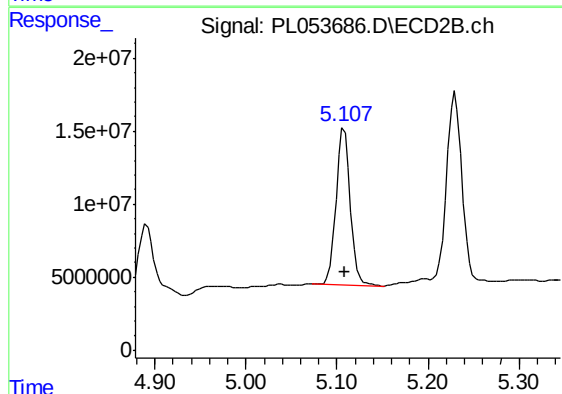
#7 delta-BHC

R.T.: 4.730 min  
Delta R.T.: -0.003 min  
Response: 576840395  
Conc: 37.90 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

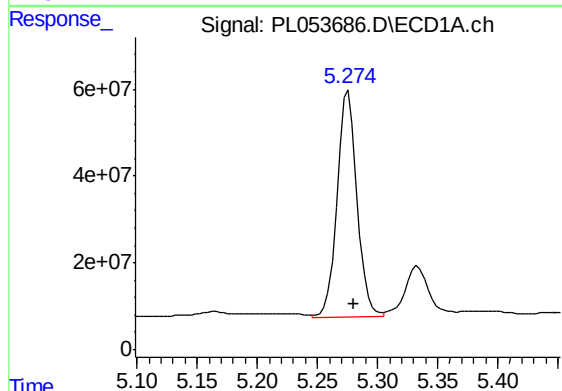
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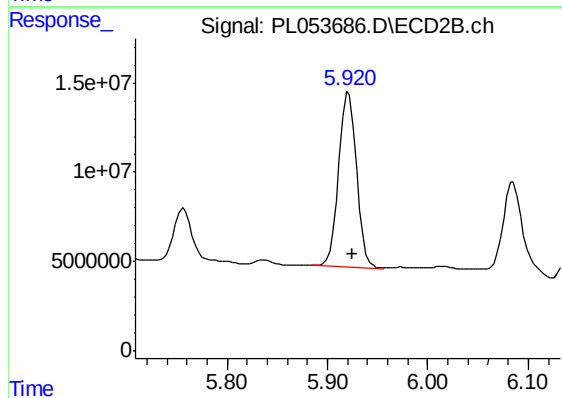
#7 delta-BHC

R.T.: 5.108 min  
Delta R.T.: -0.001 min  
Response: 116675572  
Conc: 38.63 ng/ml



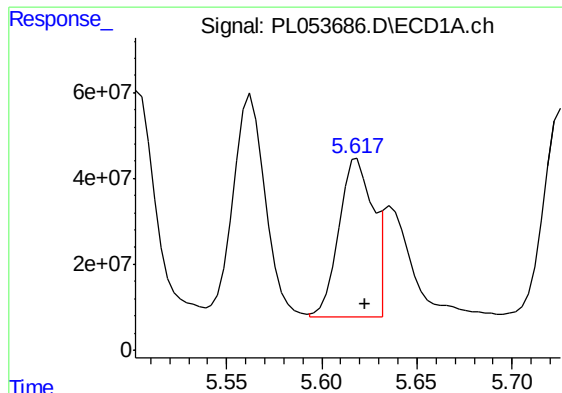
#8 Heptachlor epoxide

R.T.: 5.276 min  
Delta R.T.: -0.004 min  
Response: 607985346  
Conc: 45.04 ng/ml



#8 Heptachlor epoxide

R.T.: 5.920 min  
Delta R.T.: -0.005 min  
Response: 121252400  
Conc: 41.58 ng/ml m



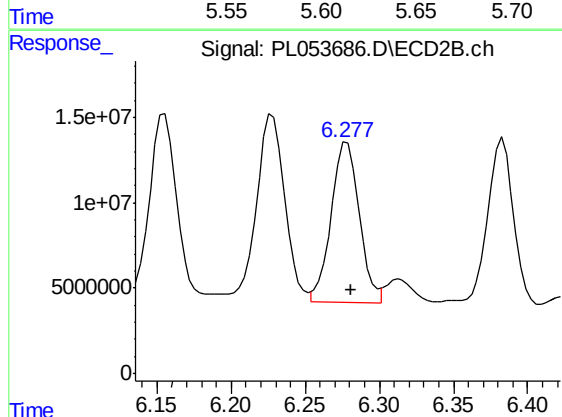
#9 Endosulfan I

R.T.: 5.619 min  
Delta R.T.: -0.004 min  
Response: 454098178  
Conc: 36.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

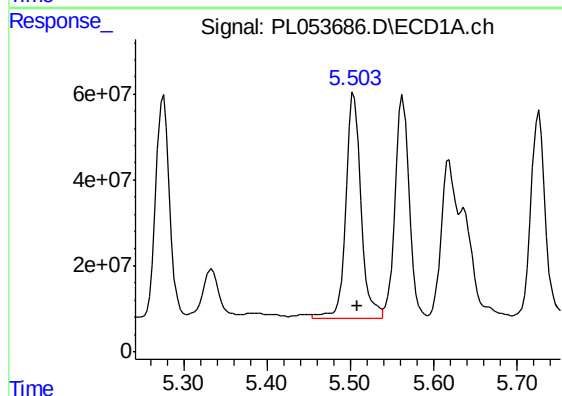
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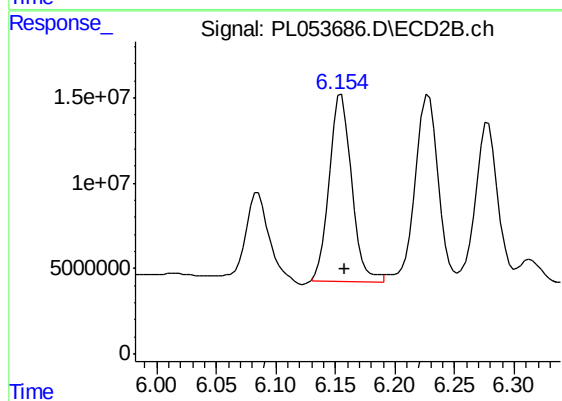
#9 Endosulfan I

R.T.: 6.278 min  
Delta R.T.: -0.003 min  
Response: 124505883  
Conc: 45.92 ng/ml



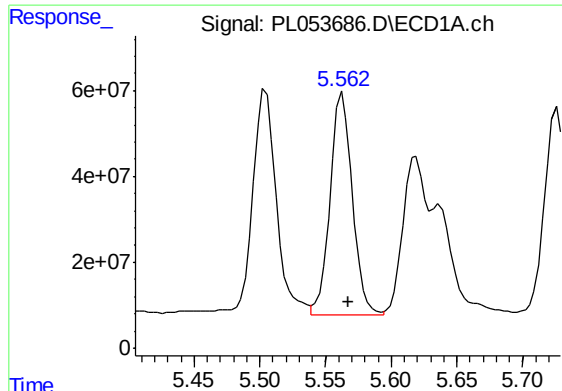
#10 gamma-Chlordane

R.T.: 5.505 min  
Delta R.T.: -0.004 min  
Response: 664985642  
Conc: 48.74 ng/ml



#10 gamma-Chlordane

R.T.: 6.155 min  
Delta R.T.: -0.003 min  
Response: 142210401  
Conc: 48.74 ng/ml



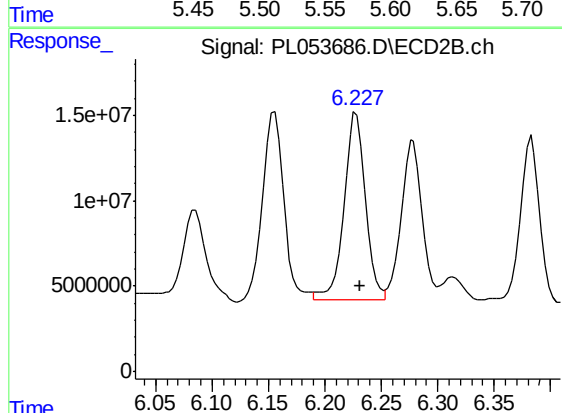
#11 alpha-Chlordane

R.T.: 5.563 min  
Delta R.T.: -0.005 min  
Response: 607432779  
Conc: 45.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

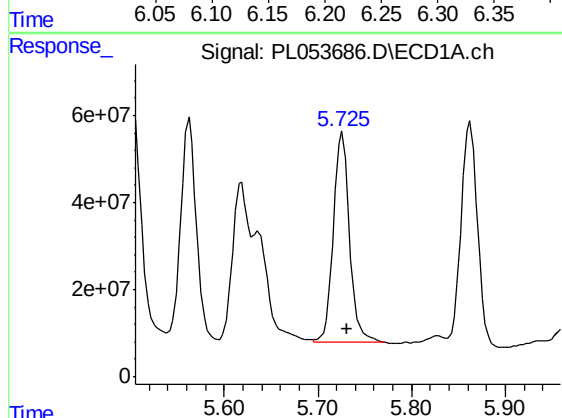
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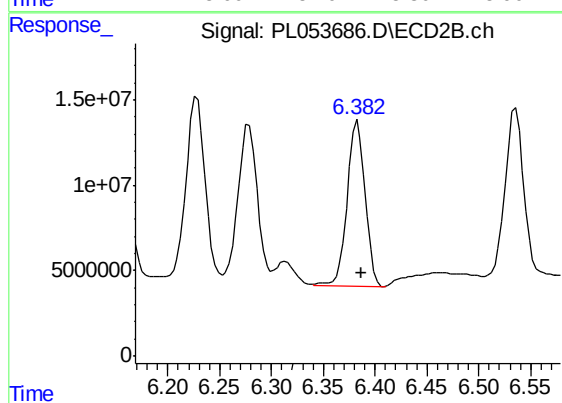
#11 alpha-Chlordane

R.T.: 6.228 min  
Delta R.T.: -0.003 min  
Response: 148083236  
Conc: 50.73 ng/ml



#12 4,4'-DDE

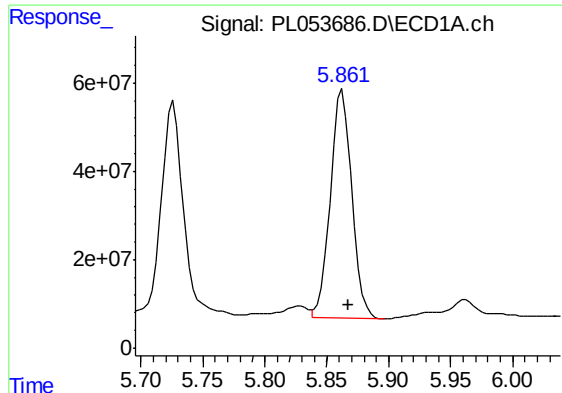
R.T.: 5.726 min  
Delta R.T.: -0.005 min  
Response: 578486928  
Conc: 48.68 ng/ml



#12 4,4'-DDE

R.T.: 6.383 min  
Delta R.T.: -0.004 min  
Response: 117139669  
Conc: 41.59 ng/ml





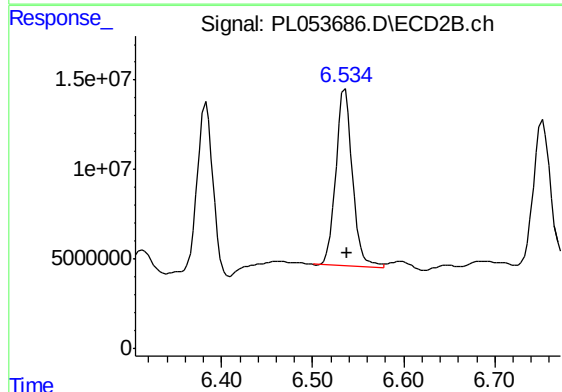
#13 Dieldrin

R.T.: 5.861 min  
Delta R.T.: -0.006 min  
Response: 626337136  
Conc: 48.06 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

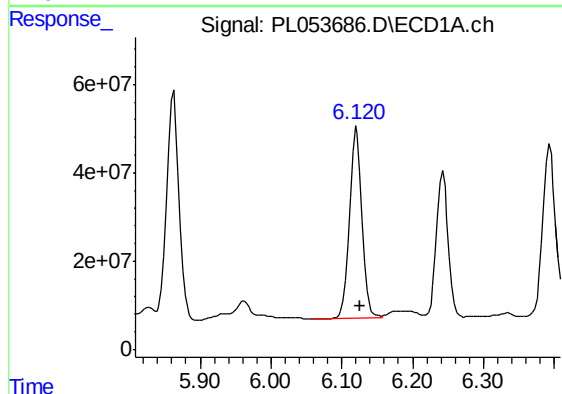
Manual Integrations  
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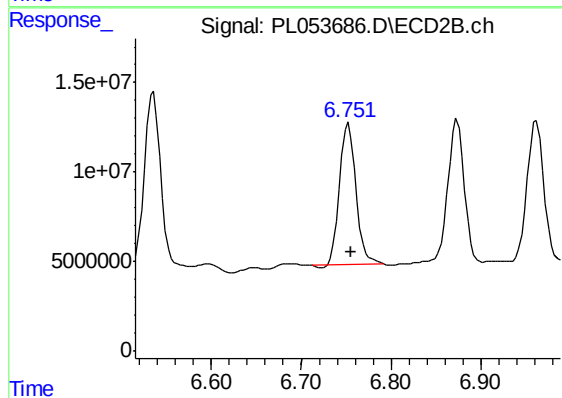
#13 Dieldrin

R.T.: 6.536 min  
Delta R.T.: -0.003 min  
Response: 126388219  
Conc: 44.29 ng/ml



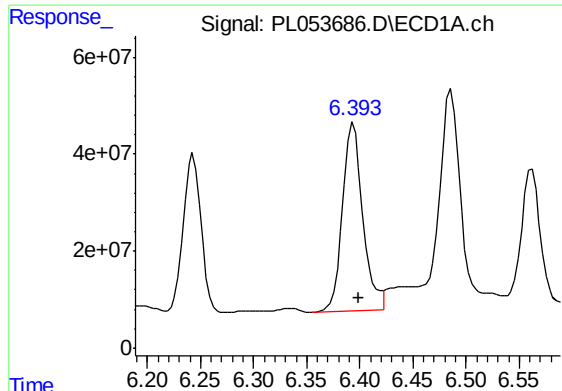
#14 Endrin

R.T.: 6.121 min  
Delta R.T.: -0.005 min  
Response: 531294340  
Conc: 45.84 ng/ml



#14 Endrin

R.T.: 6.753 min  
Delta R.T.: -0.003 min  
Response: 99893319  
Conc: 41.16 ng/ml



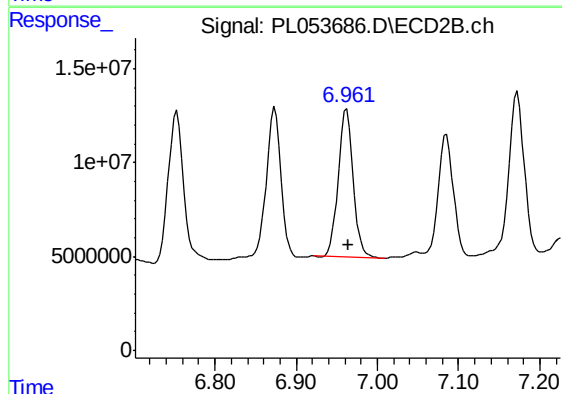
#15 Endosulfan II

R.T.: 6.394 min  
Delta R.T.: -0.005 min  
Response: 508878074  
Conc: 45.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

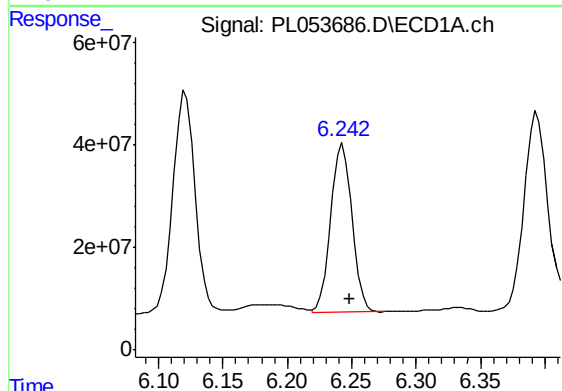
Manual Integrations  
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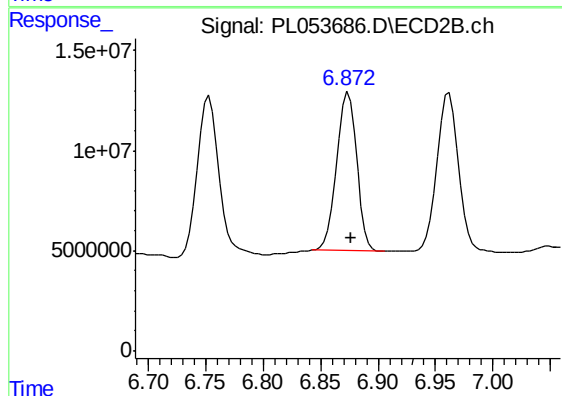
#15 Endosulfan II

R.T.: 6.962 min  
Delta R.T.: -0.003 min  
Response: 102855103  
Conc: 40.26 ng/ml



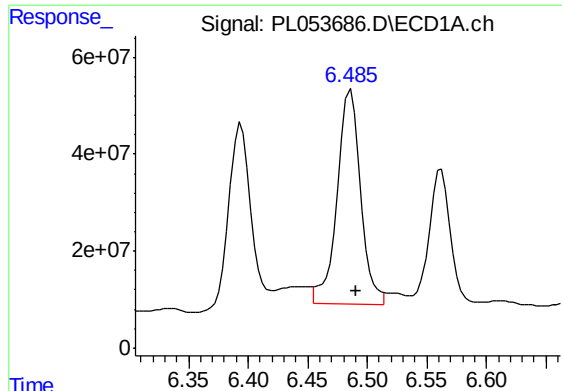
#16 4,4'-DDD

R.T.: 6.243 min  
Delta R.T.: -0.005 min  
Response: 381662832  
Conc: 42.88 ng/ml



#16 4,4'-DDD

R.T.: 6.874 min  
Delta R.T.: -0.003 min  
Response: 99124019  
Conc: 47.57 ng/ml



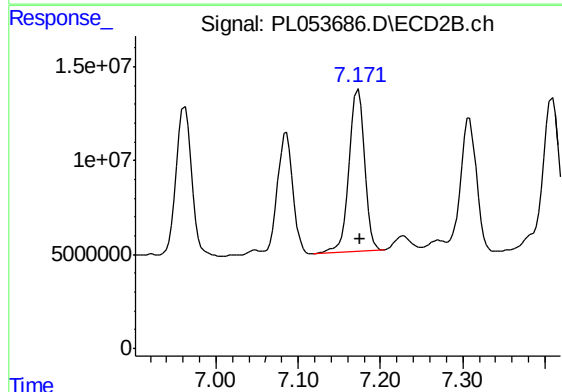
#17 4,4'-DDT

R.T.: 6.485 min  
Delta R.T.: -0.006 min  
Response: 597595823  
Conc: 60.32 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

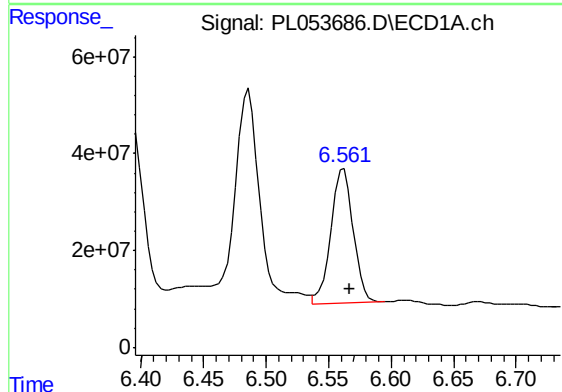
Manual Integrations  
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10/25/2019 12:13:18 PM



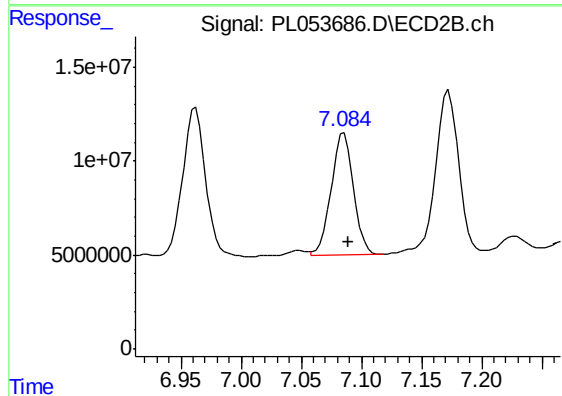
#17 4,4'-DDT

R.T.: 7.173 min  
Delta R.T.: -0.003 min  
Response: 113967929  
Conc: 49.28 ng/ml



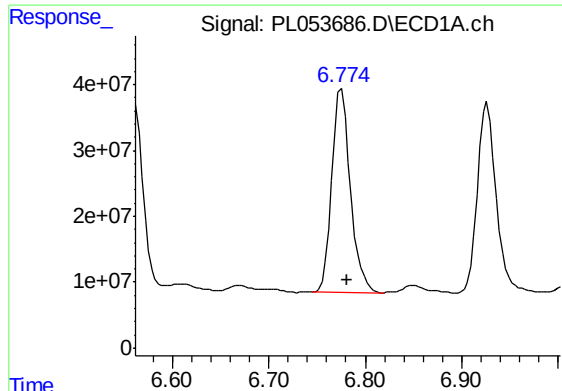
#18 Endrin aldehyde

R.T.: 6.562 min  
Delta R.T.: -0.005 min  
Response: 347043791  
Conc: 37.85 ng/ml



#18 Endrin aldehyde

R.T.: 7.085 min  
Delta R.T.: -0.004 min  
Response: 84961288  
Conc: 38.68 ng/ml



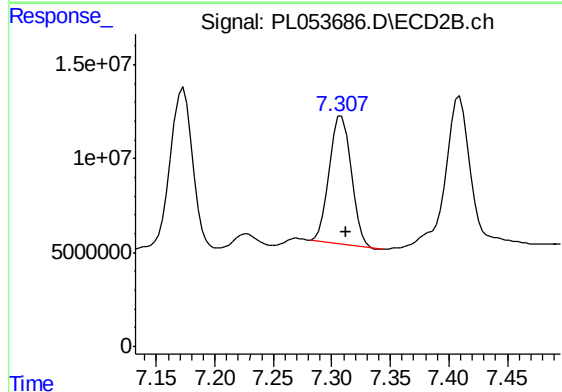
#19 Endosulfan Sulfate

R.T.: 6.776 min  
Delta R.T.: -0.006 min  
Response: 404417381  
Conc: 39.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

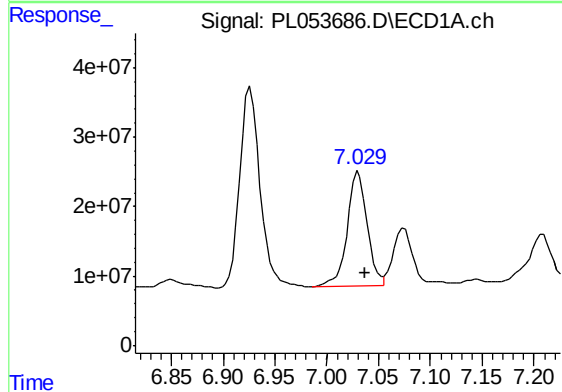
Manual Integrations  
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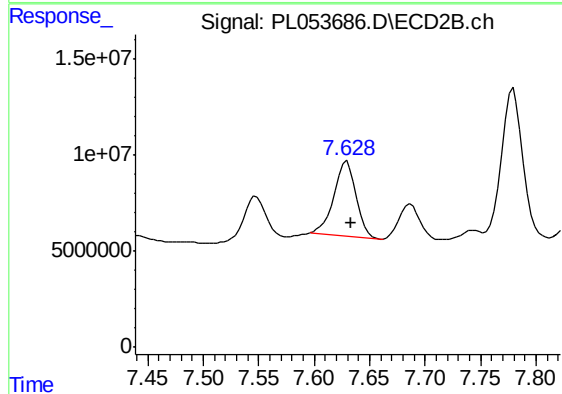
#19 Endosulfan Sulfate

R.T.: 7.308 min  
Delta R.T.: -0.003 min  
Response: 87081169  
Conc: 35.49 ng/ml



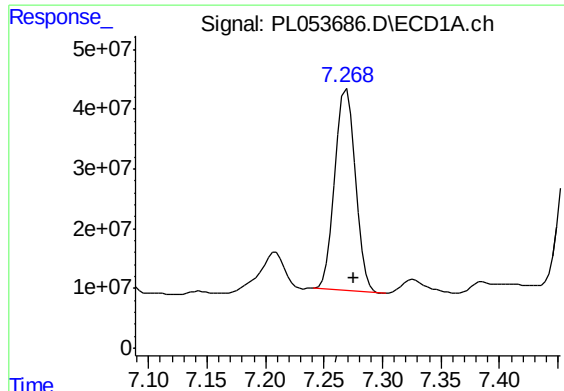
#20 Methoxychlor

R.T.: 7.031 min  
Delta R.T.: -0.006 min  
Response: 217270742  
Conc: 44.07 ng/ml



#20 Methoxychlor

R.T.: 7.630 min  
Delta R.T.: -0.004 min  
Response: 54777978  
Conc: 42.17 ng/ml



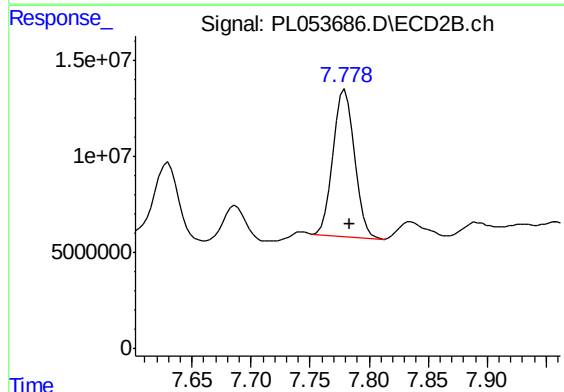
#21 Endrin ketone

R.T.: 7.269 min  
Delta R.T.: -0.006 min  
Response: 401986976  
Conc: 37.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

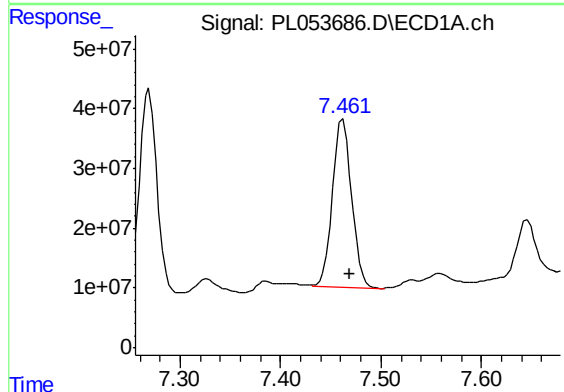
Manual Integrations  
APPROVED

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10/25/2019 12:13:18 PM



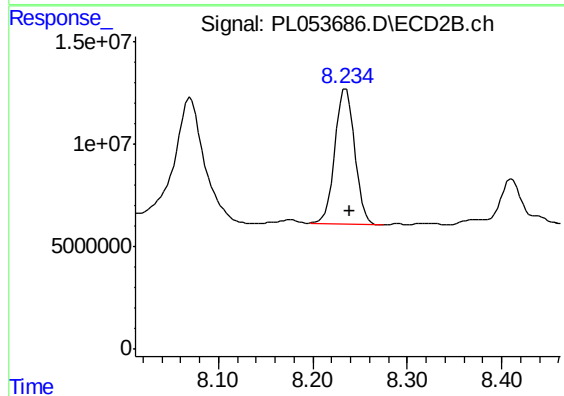
#21 Endrin ketone

R.T.: 7.780 min  
Delta R.T.: -0.004 min  
Response: 99167857  
Conc: 38.46 ng/ml



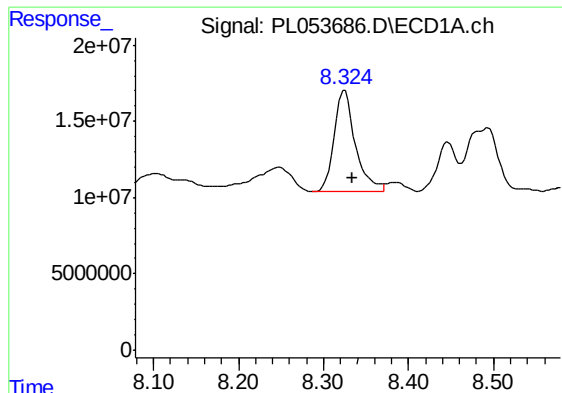
#22 Mirex

R.T.: 7.462 min  
Delta R.T.: -0.007 min  
Response: 371564967  
Conc: 43.44 ng/ml



#22 Mirex

R.T.: 8.235 min  
Delta R.T.: -0.003 min  
Response: 96410449  
Conc: 47.66 ng/ml



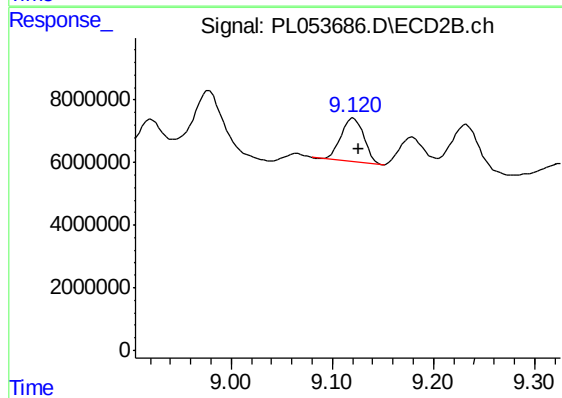
#28 Decachlorobiphenyl

R.T.: 8.325 min  
Delta R.T.: -0.009 min  
Response: 115568086  
Conc: 11.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
705-81-(0-1)MSD

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 9.121 min  
Delta R.T.: -0.005 min  
Response: 21573039  
Conc: 7.66 ng/ml