

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051419\  
 Data File : PL048516.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 May 2019 13:23  
 Operator : AJ\SJ  
 Sample : K2808-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RT-2683-RT-5156MSD

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 15 01:00:30 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL050119.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 02 09:36:55 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... | 3.327 | 3.938 | 226.7E6 | 48227450 | 23.402m | 19.362m  |
| 2)                          | SA Decachlor... | 7.997 | 8.979 | 184.7E6 | 75082364 | 18.371  | 28.287 # |
| Target Compounds            |                 |       |       |         |          |         |          |
| 2)                          | A alpha-BHC     | 3.754 | 4.327 | 732.0E6 | 183.3E6  | 47.323m | 52.194m  |
| 3)                          | MA gamma-BHC... | 4.033 | 4.612 | 992.2E6 | 272.0E6  | 69.825  | 83.287   |
| 4)                          | MA Heptachlor   | 4.316 | 5.114 | 690.3E6 | 188.6E6  | 46.918  | 54.469m  |
| 5)                          | MB Aldrin       | 4.554 | 5.418 | 794.7E6 | 171.9E6  | 57.999  | 55.514   |
| 6)                          | B beta-BHC      | 4.285 | 4.787 | 263.8E6 | 67264746 | 44.705  | 43.229   |
| 7)                          | B delta-BHC     | 4.479 | 5.001 | 662.1E6 | 158.0E6  | 46.895  | 55.887   |
| 8)                          | B Heptachlo...  | 4.992 | 5.805 | 601.3E6 | 143.9E6  | 46.671  | 49.328   |
| 9)                          | A Endosulfan I  | 5.321 | 6.161 | 556.0E6 | 128.2E6  | 46.220m | 45.352   |
| 10)                         | B gamma-Chl...  | 5.215 | 6.039 | 571.2E6 | 168.5E6  | 42.775  | 54.724 # |
| 11)                         | B alpha-Chl...  | 5.271 | 6.111 | 558.1E6 | 171.5E6  | 42.688  | 55.907 # |
| 12)                         | B 4,4'-DDE      | 5.439 | 6.269 | 718.4E6 | 125.0E6  | 56.634  | 45.281m  |
| 13)                         | MA Dieldrin     | 5.563 | 6.417 | 790.2E6 | 134.7E6  | 60.685  | 45.912   |
| 14)                         | MA Endrin       | 5.815 | 6.634 | 575.6E6 | 115.9E6  | 47.280  | 44.450   |
| 15)                         | B Endosulfa...  | 6.090 | 6.846 | 610.6E6 | 147.9E6  | 52.907  | 54.840   |
| 16)                         | A 4,4'-DDD      | 5.950 | 6.760 | 390.2E6 | 129.3E6  | 40.089  | 57.605 # |
| 17)                         | MA 4,4'-DDT     | 6.183 | 7.058 | 532.9E6 | 117.3E6  | 53.047  | 49.997   |
| 18)                         | B Endrin al...  | 6.257 | 6.968 | 483.5E6 | 105.8E6  | 49.750  | 45.157m  |
| 19)                         | B Endosulfa...  | 6.468 | 7.191 | 564.2E6 | 157.6E6  | 52.565  | 60.893m  |
| 20)                         | A Methoxychlor  | 6.730 | 7.516 | 282.1E6 | 95263951 | 51.807  | 69.781m# |
| 21)                         | B Endrin ke...  | 6.951 | 7.660 | 624.6E6 | 145.4E6  | 53.592  | 55.655m  |
| 22)                         | Mirex           | 7.122 | 8.112 | 591.0E6 | 110.9E6  | 65.929m | 52.585   |
| -----                       |                 |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051419\  
Data File : PL048516.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 May 2019 13:23  
Operator : AJ\SJ  
Sample : K2808-01MSD  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

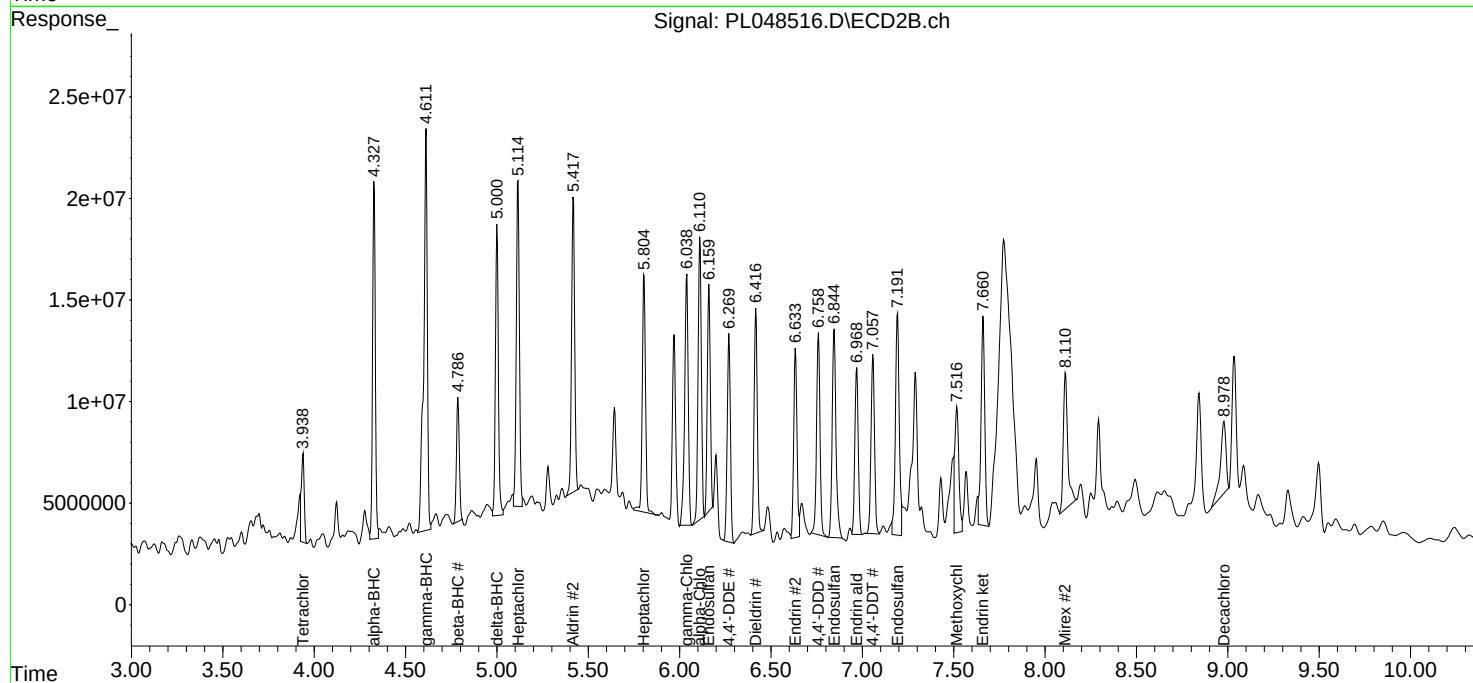
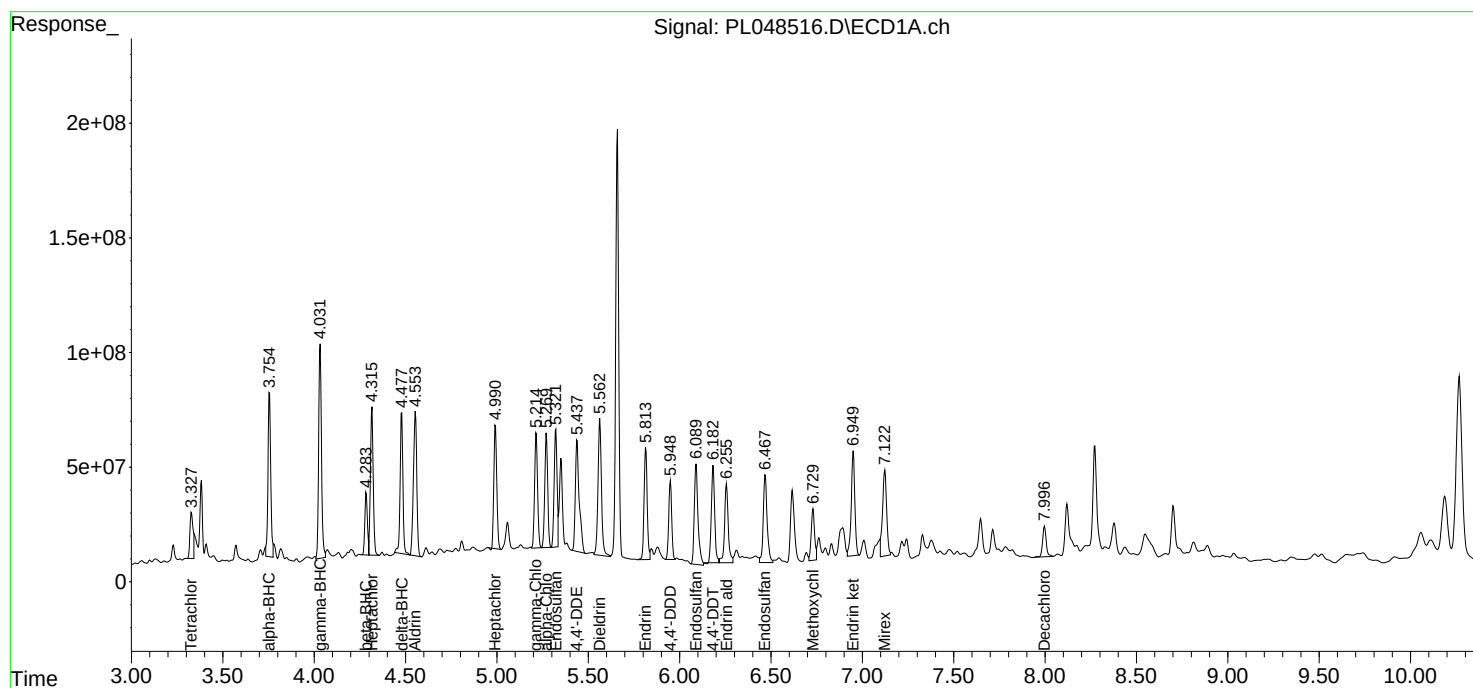
Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

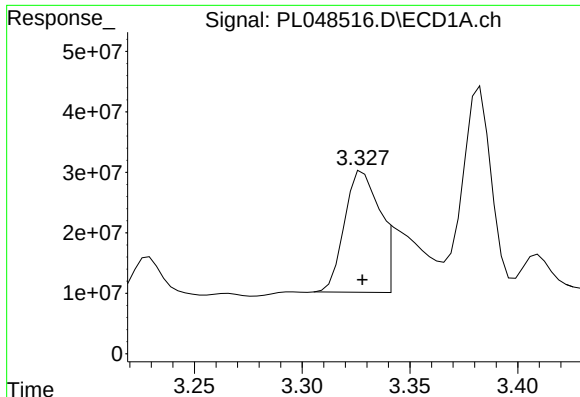
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 15 01:00:30 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL050119.M  
Quant Title : GC Extractables  
QLast Update : Thu May 02 09:36:55 2019  
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





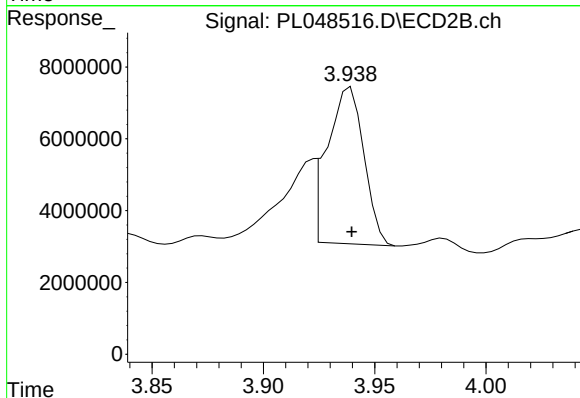
#1 Tetrachloro-m-xylene

R.T.: 3.327 min  
Delta R.T.: -0.001 min  
Response: 226693714  
Conc: 23.40 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

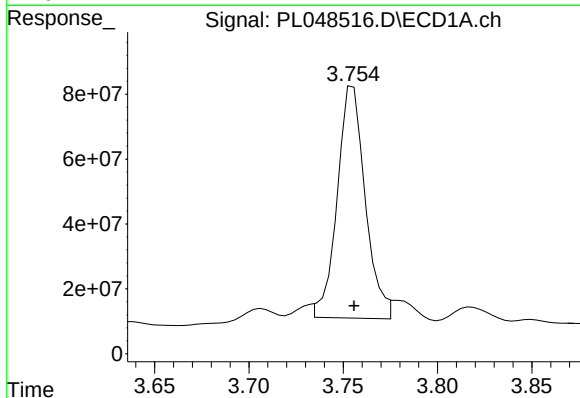
Manual Integrations  
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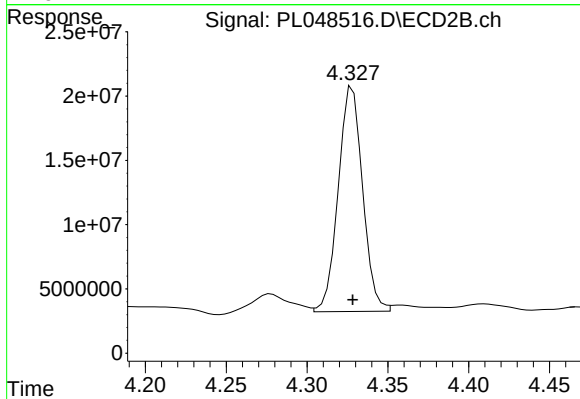
#1 Tetrachloro-m-xylene

R.T.: 3.938 min  
Delta R.T.: -0.002 min  
Response: 48227450  
Conc: 19.36 ng/ml m



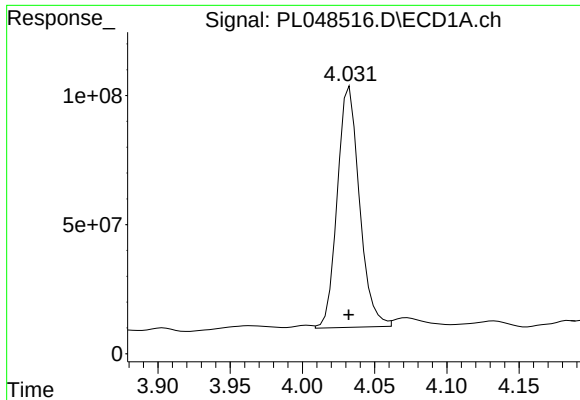
#2 alpha-BHC

R.T.: 3.754 min  
Delta R.T.: -0.002 min  
Response: 731961407  
Conc: 47.32 ng/ml m



#2 alpha-BHC

R.T.: 4.327 min  
Delta R.T.: -0.001 min  
Response: 183305584  
Conc: 52.19 ng/ml m



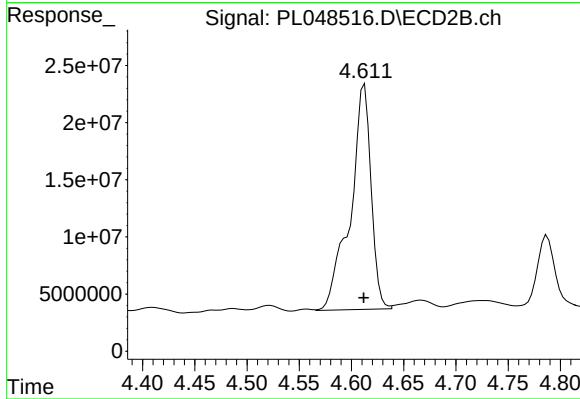
#3 gamma-BHC (Lindane)

R.T.: 4.033 min  
Delta R.T.: 0.000 min  
Response: 992151698  
Conc: 69.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

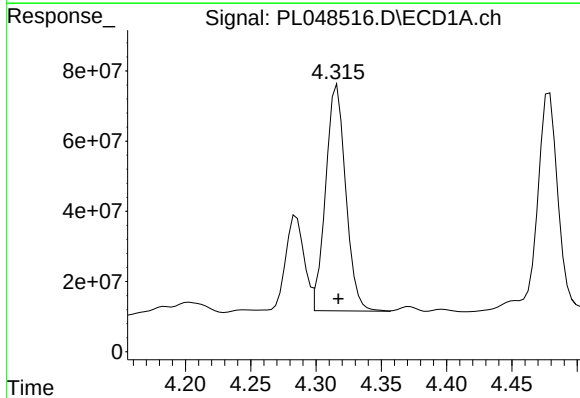
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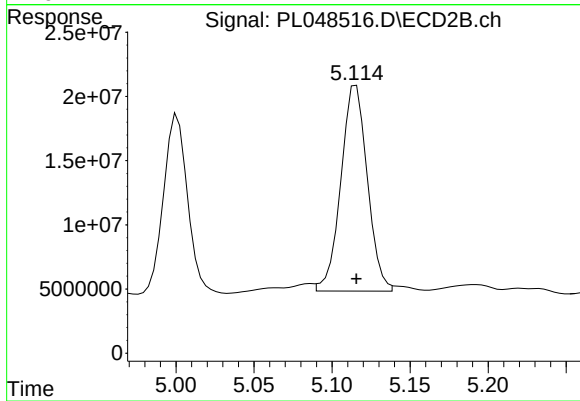
#3 gamma-BHC (Lindane)

R.T.: 4.612 min  
Delta R.T.: 0.000 min  
Response: 272027312  
Conc: 83.29 ng/ml



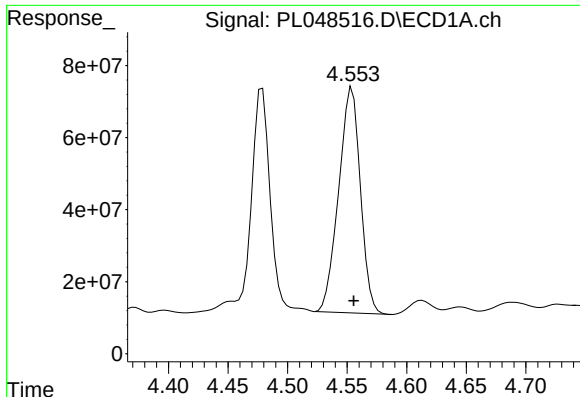
#4 Heptachlor

R.T.: 4.316 min  
Delta R.T.: 0.000 min  
Response: 690260121  
Conc: 46.92 ng/ml



#4 Heptachlor

R.T.: 5.114 min  
Delta R.T.: -0.002 min  
Response: 188560422  
Conc: 54.47 ng/ml m



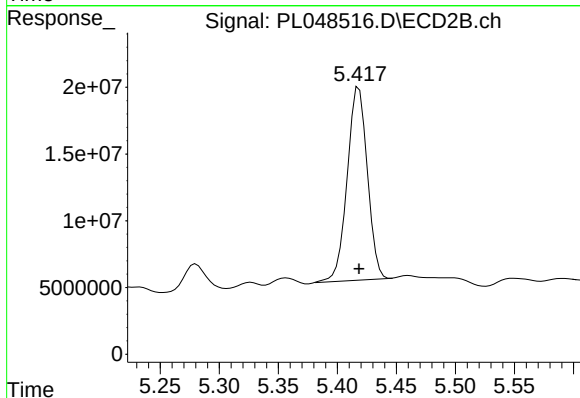
#5 Aldrin

R.T.: 4.554 min  
Delta R.T.: -0.001 min  
Response: 794682428  
Conc: 58.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

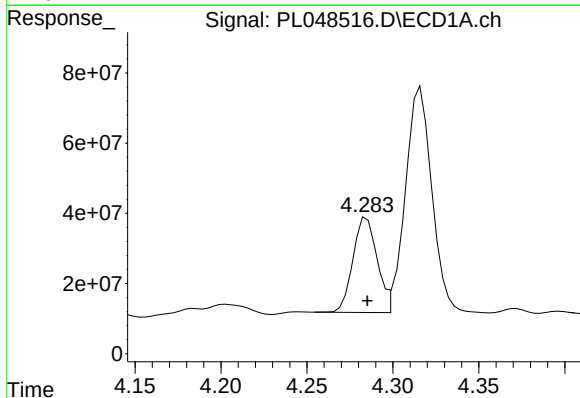
Manual Integrations  
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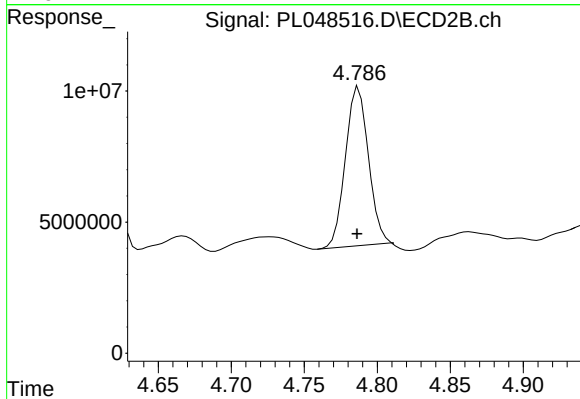
#5 Aldrin

R.T.: 5.418 min  
Delta R.T.: 0.000 min  
Response: 171905920  
Conc: 55.51 ng/ml



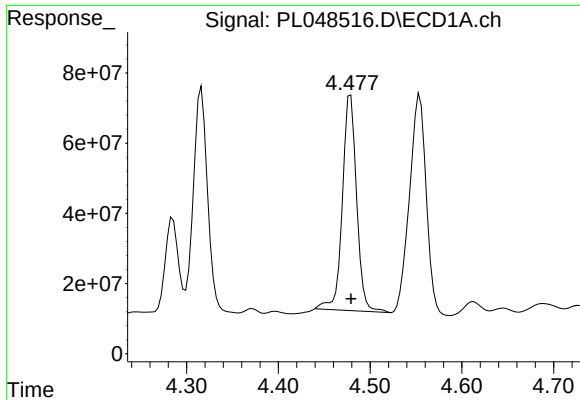
#6 beta-BHC

R.T.: 4.285 min  
Delta R.T.: 0.000 min  
Response: 263830332  
Conc: 44.71 ng/ml



#6 beta-BHC

R.T.: 4.787 min  
Delta R.T.: 0.001 min  
Response: 67264746  
Conc: 43.23 ng/ml



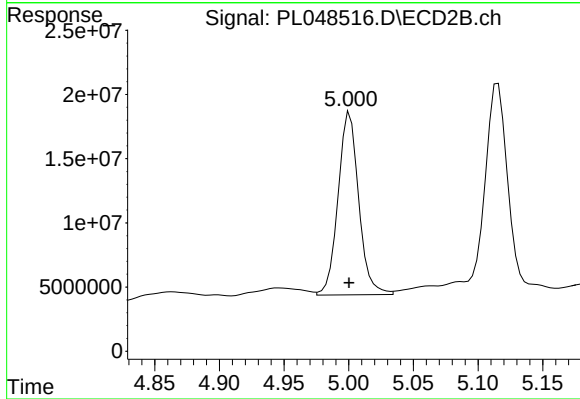
#7 delta-BHC

R.T.: 4.479 min  
Delta R.T.: 0.000 min  
Response: 662096578  
Conc: 46.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

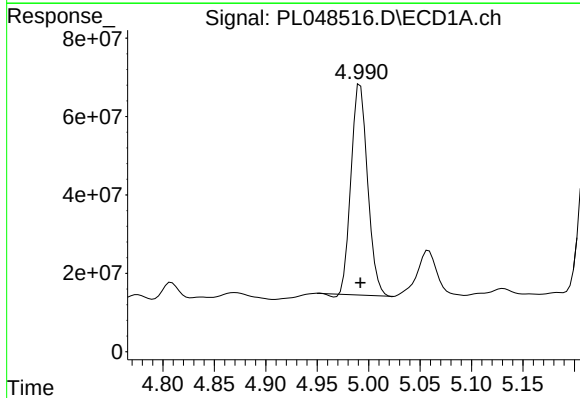
Manual Integrations  
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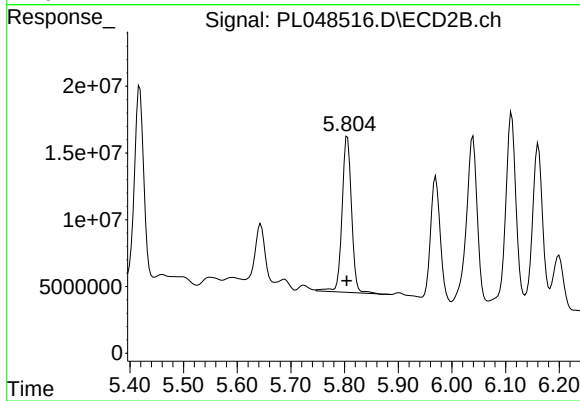
#7 delta-BHC

R.T.: 5.001 min  
Delta R.T.: 0.000 min  
Response: 158043583  
Conc: 55.89 ng/ml



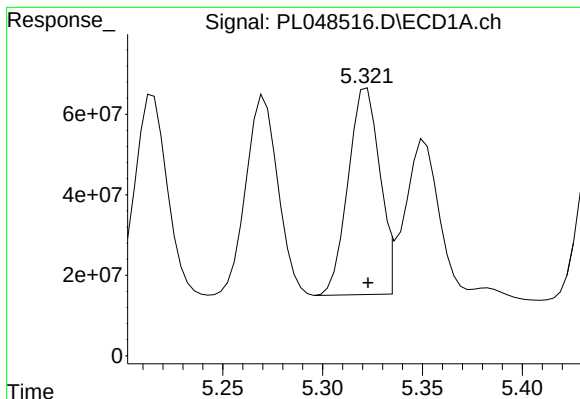
#8 Heptachlor epoxide

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 601336442  
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 5.805 min  
Delta R.T.: 0.001 min  
Response: 143876398  
Conc: 49.33 ng/ml



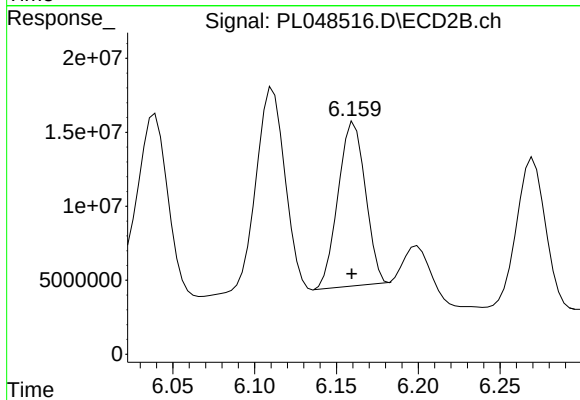
#9 Endosulfan I

R.T.: 5.321 min  
Delta R.T.: -0.002 min  
Response: 556025627  
Conc: 46.22 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

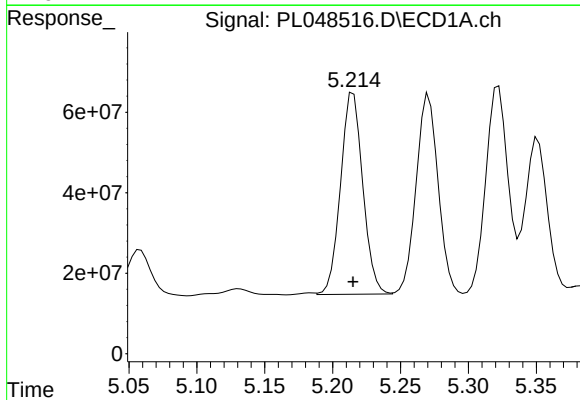
Manual Integrations  
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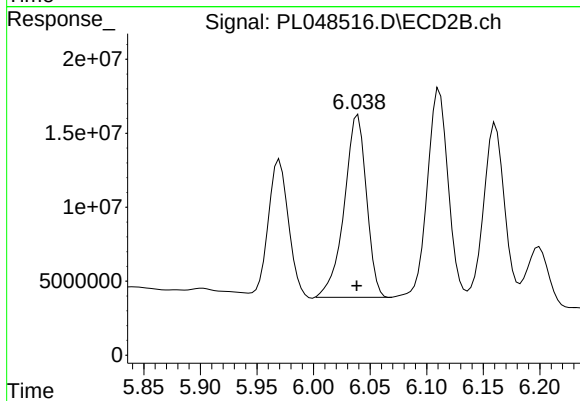
#9 Endosulfan I

R.T.: 6.161 min  
Delta R.T.: 0.002 min  
Response: 128232035  
Conc: 45.35 ng/ml



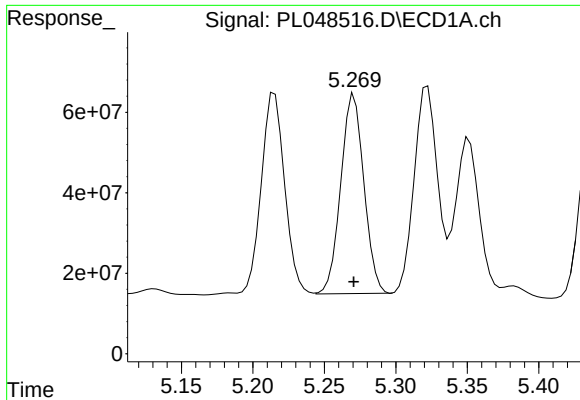
#10 gamma-Chlordane

R.T.: 5.215 min  
Delta R.T.: 0.000 min  
Response: 571150552  
Conc: 42.78 ng/ml



#10 gamma-Chlordane

R.T.: 6.039 min  
Delta R.T.: 0.000 min  
Response: 168476810  
Conc: 54.72 ng/ml



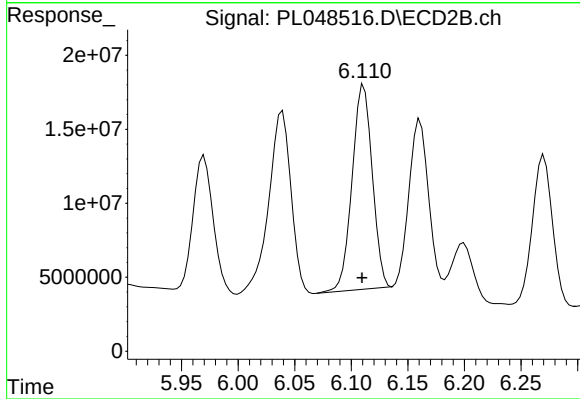
#11 alpha-Chlordane

R.T.: 5.271 min  
Delta R.T.: 0.000 min  
Response: 558083220  
Conc: 42.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

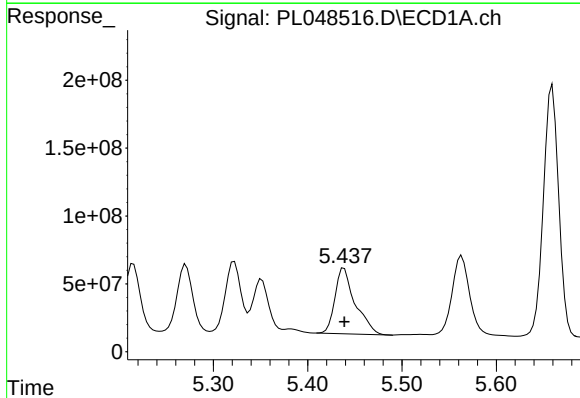
Manual Integrations  
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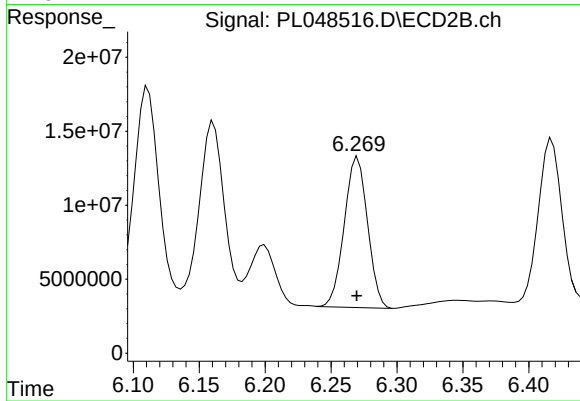
#11 alpha-Chlordane

R.T.: 6.111 min  
Delta R.T.: 0.002 min  
Response: 171538811  
Conc: 55.91 ng/ml



#12 4,4'-DDE

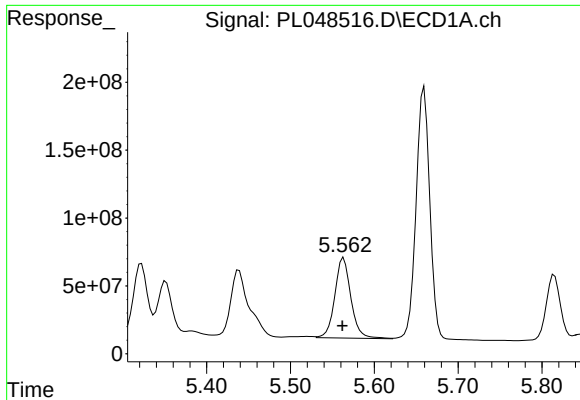
R.T.: 5.439 min  
Delta R.T.: 0.000 min  
Response: 718417522  
Conc: 56.63 ng/ml



#12 4,4'-DDE

R.T.: 6.269 min  
Delta R.T.: 0.000 min  
Response: 125017964  
Conc: 45.28 ng/ml m





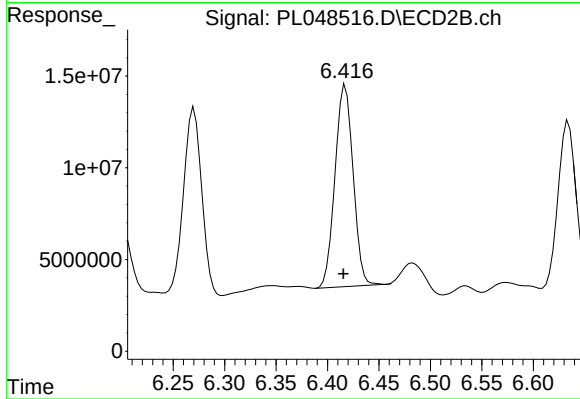
#13 Dieldrin

R.T.: 5.563 min  
Delta R.T.: 0.001 min  
Response: 790160186  
Conc: 60.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

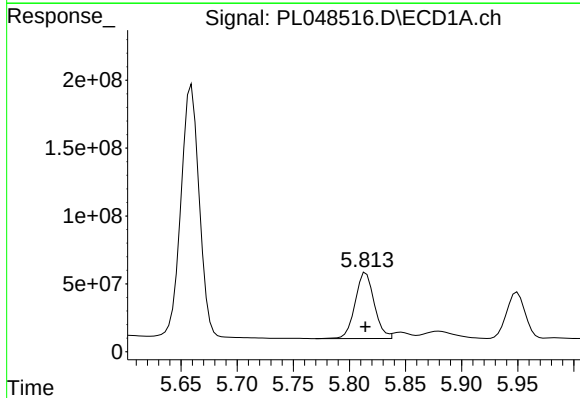
Manual Integrations  
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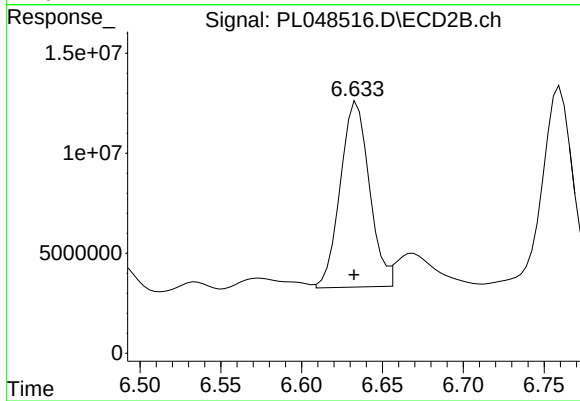
#13 Dieldrin

R.T.: 6.417 min  
Delta R.T.: 0.002 min  
Response: 134691633  
Conc: 45.91 ng/ml



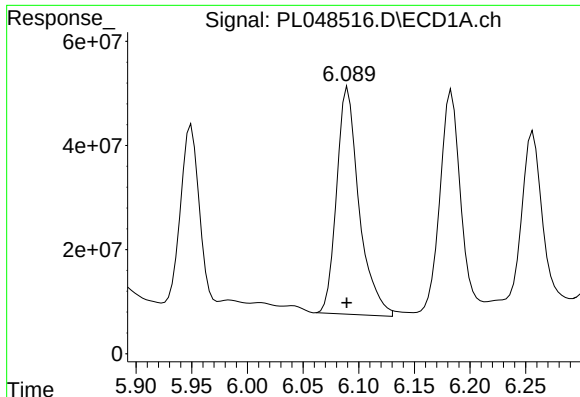
#14 Endrin

R.T.: 5.815 min  
Delta R.T.: 0.000 min  
Response: 575584381  
Conc: 47.28 ng/ml



#14 Endrin

R.T.: 6.634 min  
Delta R.T.: 0.002 min  
Response: 115897898  
Conc: 44.45 ng/ml



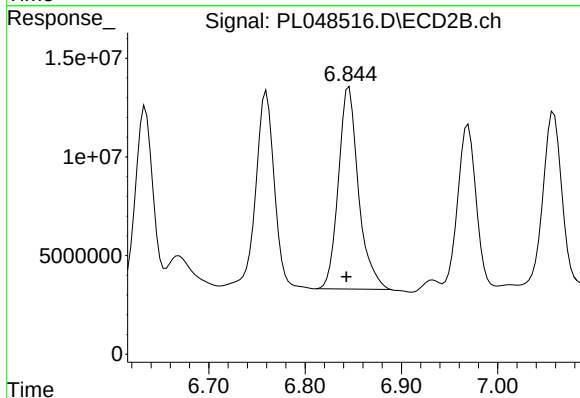
#15 Endosulfan II

R.T.: 6.090 min  
Delta R.T.: 0.001 min  
Response: 610570878  
Conc: 52.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

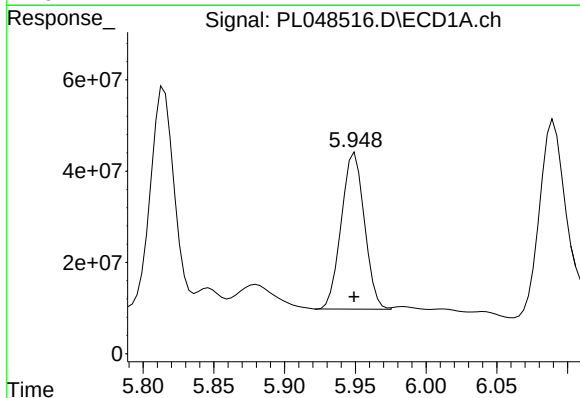
Manual Integrations  
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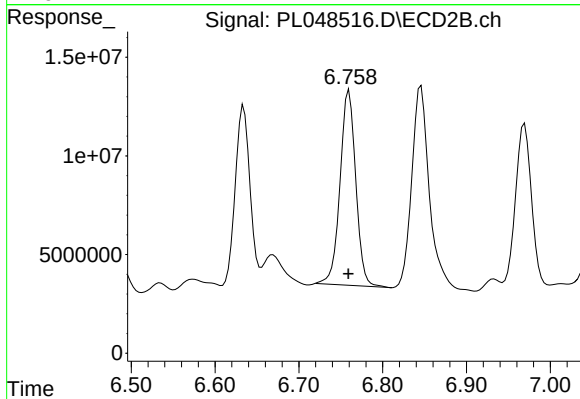
#15 Endosulfan II

R.T.: 6.846 min  
Delta R.T.: 0.003 min  
Response: 147880251  
Conc: 54.84 ng/ml



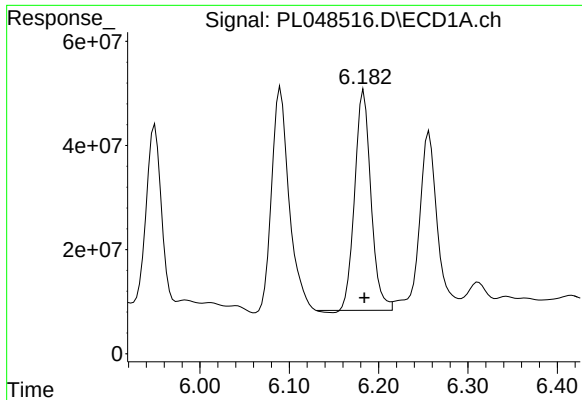
#16 4,4'-DDD

R.T.: 5.950 min  
Delta R.T.: 0.000 min  
Response: 390232970  
Conc: 40.09 ng/ml



#16 4,4'-DDD

R.T.: 6.760 min  
Delta R.T.: 0.000 min  
Response: 129268210  
Conc: 57.60 ng/ml



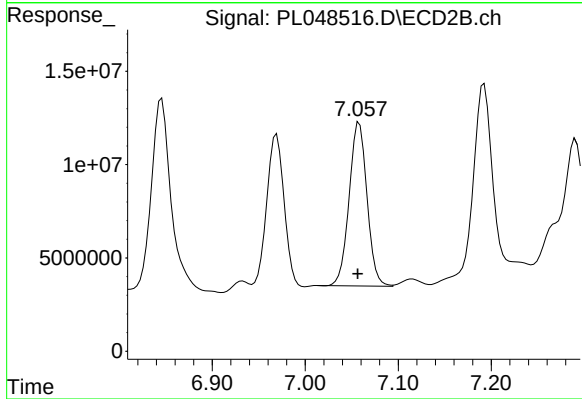
#17 4,4'-DDT

R.T.: 6.183 min  
Delta R.T.: 0.000 min  
Response: 532937497  
Conc: 53.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

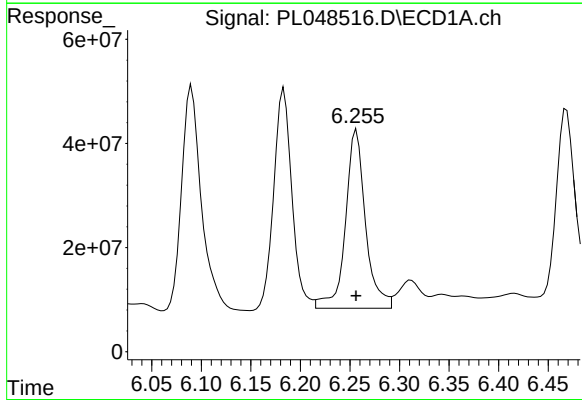
Manual Integrations  
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5/15/2019 2:05:38 PM



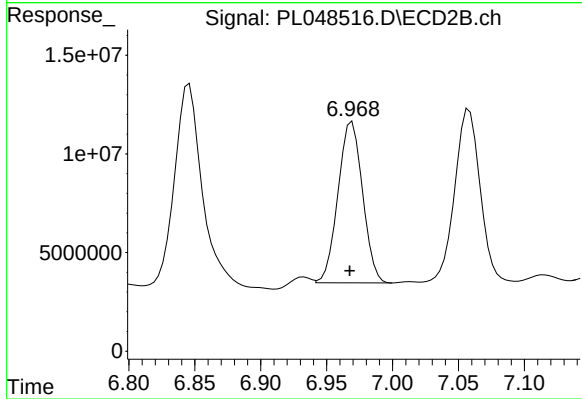
#17 4,4'-DDT

R.T.: 7.058 min  
Delta R.T.: 0.002 min  
Response: 117325087  
Conc: 50.00 ng/ml



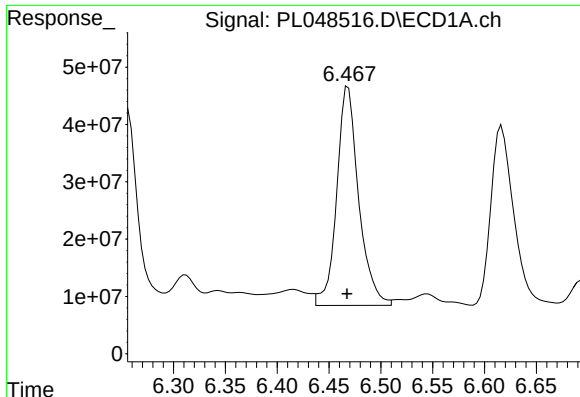
#18 Endrin aldehyde

R.T.: 6.257 min  
Delta R.T.: 0.000 min  
Response: 483481534  
Conc: 49.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.968 min  
Delta R.T.: 0.000 min  
Response: 105823959  
Conc: 45.16 ng/ml m



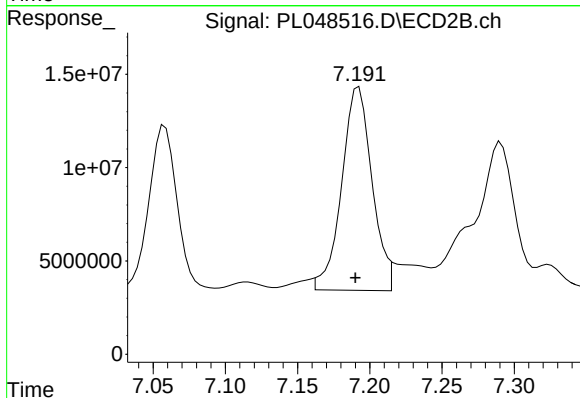
#19 Endosulfan Sulfate

R.T.: 6.468 min  
Delta R.T.: 0.000 min  
Response: 564159796  
Conc: 52.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

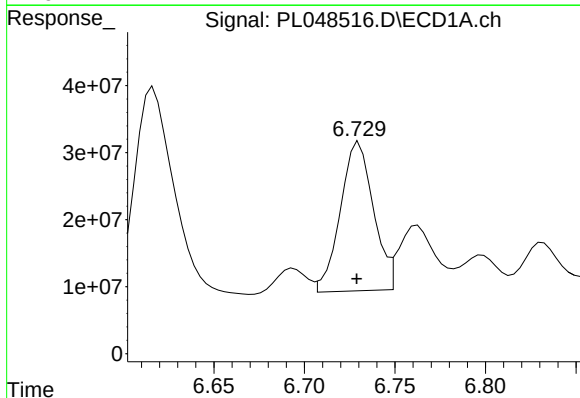
Manual Integrations  
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5/15/2019 2:05:38 PM



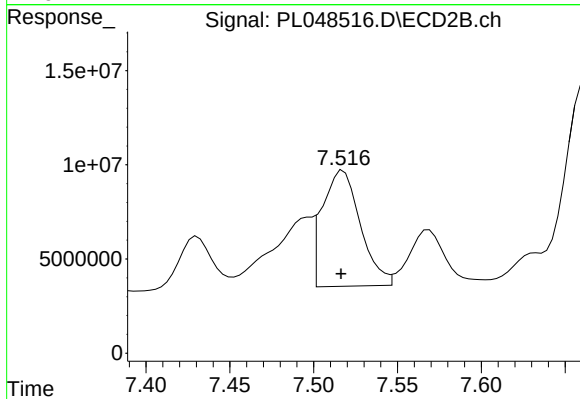
#19 Endosulfan Sulfate

R.T.: 7.191 min  
Delta R.T.: 0.001 min  
Response: 157604294  
Conc: 60.89 ng/ml m



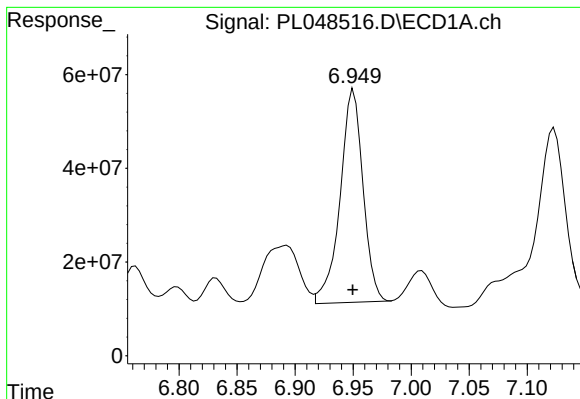
#20 Methoxychlor

R.T.: 6.730 min  
Delta R.T.: 0.001 min  
Response: 282078149  
Conc: 51.81 ng/ml



#20 Methoxychlor

R.T.: 7.516 min  
Delta R.T.: 0.000 min  
Response: 95263951  
Conc: 69.78 ng/ml m



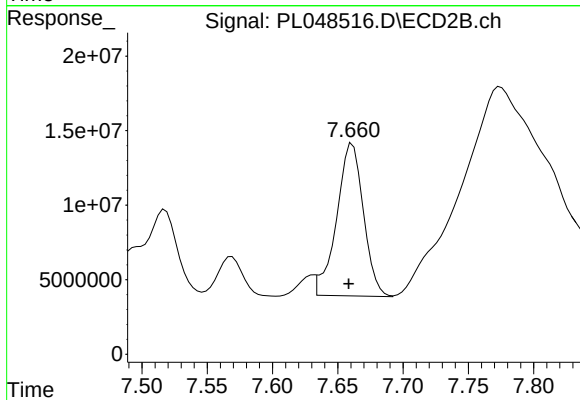
#21 Endrin ketone

R.T.: 6.951 min  
Delta R.T.: 0.000 min  
Response: 624615730  
Conc: 53.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

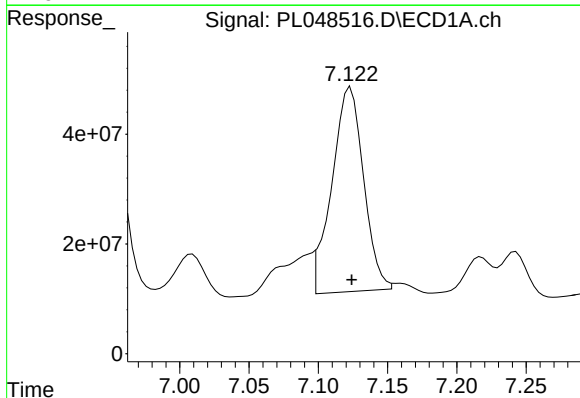
Manual Integrations  
APPROVED

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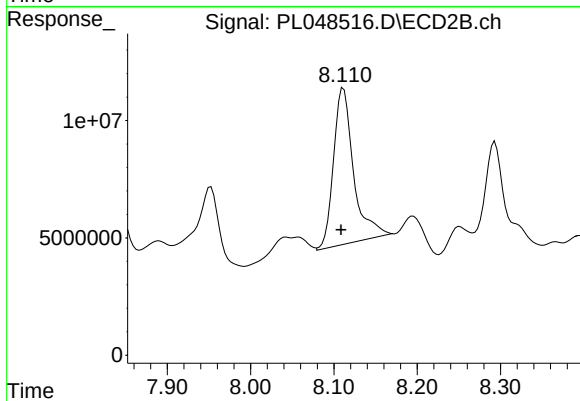
#21 Endrin ketone

R.T.: 7.660 min  
Delta R.T.: 0.002 min  
Response: 145413455  
Conc: 55.65 ng/ml m



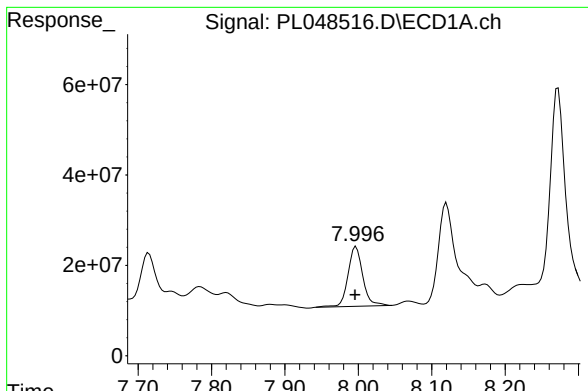
#22 Mirex

R.T.: 7.122 min  
Delta R.T.: -0.002 min  
Response: 590978153  
Conc: 65.93 ng/ml m



#22 Mirex

R.T.: 8.112 min  
Delta R.T.: 0.003 min  
Response: 110894268  
Conc: 52.58 ng/ml



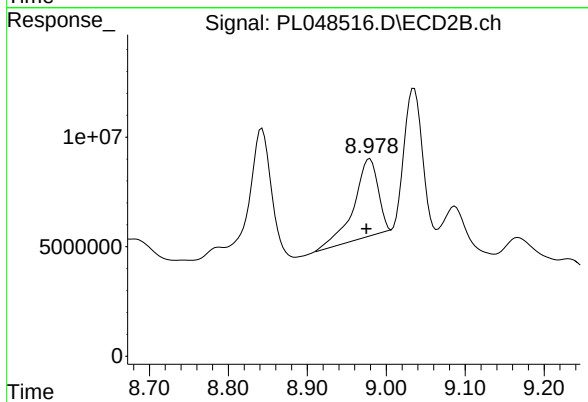
#28 Decachlorobiphenyl

R.T.: 7.997 min  
Delta R.T.: 0.001 min  
Response: 184705225  
Conc: 18.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2683-RT-5156MSD

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.979 min  
Delta R.T.: 0.004 min  
Response: 75082364  
Conc: 28.29 ng/ml