

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL070218\  
 Data File : PL037643.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Jul 2018 03:18  
 Operator : UA\AJ  
 Sample : IDOC WATER-03  
 Misc : FOR SJ  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 IDOC WATER-03

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 03 04:14:40 2018  
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL062018.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jun 21 02:27:11 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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 x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|--------|
| -----                       |                 |       |       |         |          |         |        |
| System Monitoring Compounds |                 |       |       |         |          |         |        |
| 1)                          | SA Tetrachlo... | 3.334 | 3.936 | 130.7E6 | 50718822 | 16.517  | 18.332 |
| 28)                         | SA Decachlor... | 8.012 | 8.946 | 112.7E6 | 34325425 | 18.671  | 17.302 |
| Target Compounds            |                 |       |       |         |          |         |        |
| 2)                          | A alpha-BHC     | 3.764 | 4.315 | 580.6E6 | 210.7E6  | 47.422  | 54.301 |
| 3)                          | MA gamma-BHC... | 4.039 | 4.595 | 520.8E6 | 187.1E6  | 50.496m | 54.160 |
| 4)                          | MA Heptachlor   | 4.326 | 5.106 | 518.8E6 | 185.4E6  | 50.638  | 53.646 |
| 5)                          | MB Aldrin       | 4.565 | 5.409 | 520.1E6 | 170.4E6  | 51.101  | 54.315 |
| 6)                          | B beta-BHC      | 4.295 | 4.756 | 228.7E6 | 83282828 | 50.141  | 51.642 |
| 7)                          | B delta-BHC     | 4.490 | 4.971 | 521.5E6 | 172.4E6  | 49.295  | 61.113 |
| 8)                          | B Heptachlo...  | 5.004 | 5.788 | 479.0E6 | 163.9E6  | 51.134  | 57.489 |
| 9)                          | A Endosulfan I  | 5.335 | 6.141 | 424.7E6 | 134.6E6  | 50.192  | 52.479 |
| 10)                         | B gamma-Chl...  | 5.226 | 6.020 | 523.7E6 | 161.1E6  | 55.909  | 57.209 |
| 11)                         | B alpha-Chl...  | 5.283 | 6.094 | 470.5E6 | 151.0E6  | 51.810  | 52.453 |
| 12)                         | B 4,4'-DDE      | 5.452 | 6.250 | 444.4E6 | 143.6E6  | 50.317  | 56.412 |
| 13)                         | MA Dieldrin     | 5.575 | 6.395 | 485.0E6 | 139.7E6  | 54.784  | 52.342 |
| 14)                         | MA Endrin       | 5.828 | 6.609 | 378.4E6 | 130.3E6  | 48.035  | 56.677 |
| 15)                         | B Endosulfa...  | 6.103 | 6.812 | 386.2E6 | 119.7E6  | 52.521  | 48.268 |
| 16)                         | A 4,4'-DDD      | 5.964 | 6.732 | 339.0E6 | 113.7E6  | 51.625  | 55.394 |
| 17)                         | MA 4,4'-DDT     | 6.198 | 7.031 | 379.8E6 | 112.0E6  | 58.826  | 52.869 |
| 18)                         | B Endrin al...  | 6.271 | 6.934 | 294.6E6 | 101.8E6  | 52.744  | 50.589 |
| 19)                         | B Endosulfa...  | 6.482 | 7.157 | 344.2E6 | 109.6E6  | 51.444  | 50.339 |
| 20)                         | A Methoxychlor  | 6.747 | 7.486 | 154.4E6 | 57505713 | 45.439  | 51.374 |
| 21)                         | B Endrin ke...  | 6.966 | 7.621 | 335.4E6 | 113.8E6  | 47.159  | 56.051 |
| -----                       |                 |       |       |         |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL070218\  
Data File : PL037643.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Jul 2018 03:18  
Operator : UA\AJ  
Sample : IDOC WATER-03  
Misc : FOR SJ  
ALS Vial : 56 Sample Multiplier: 1

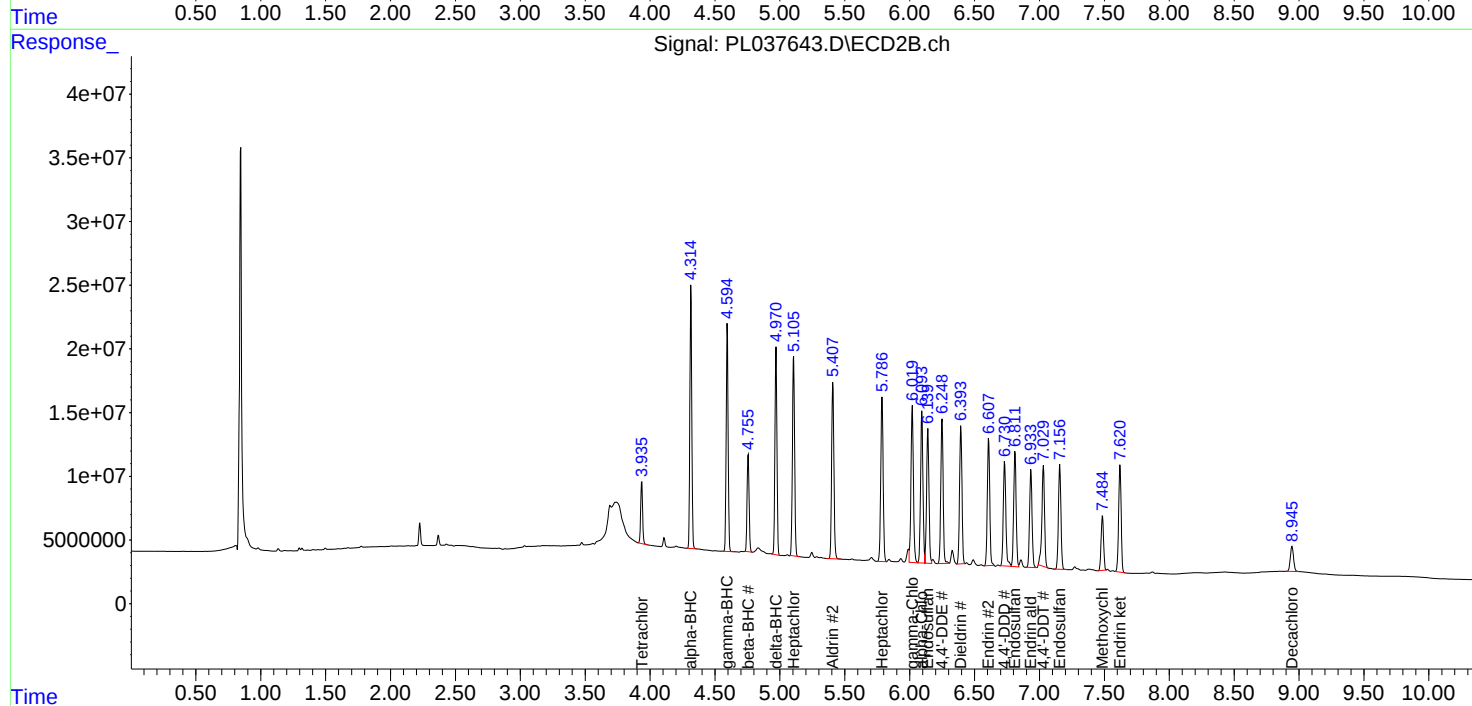
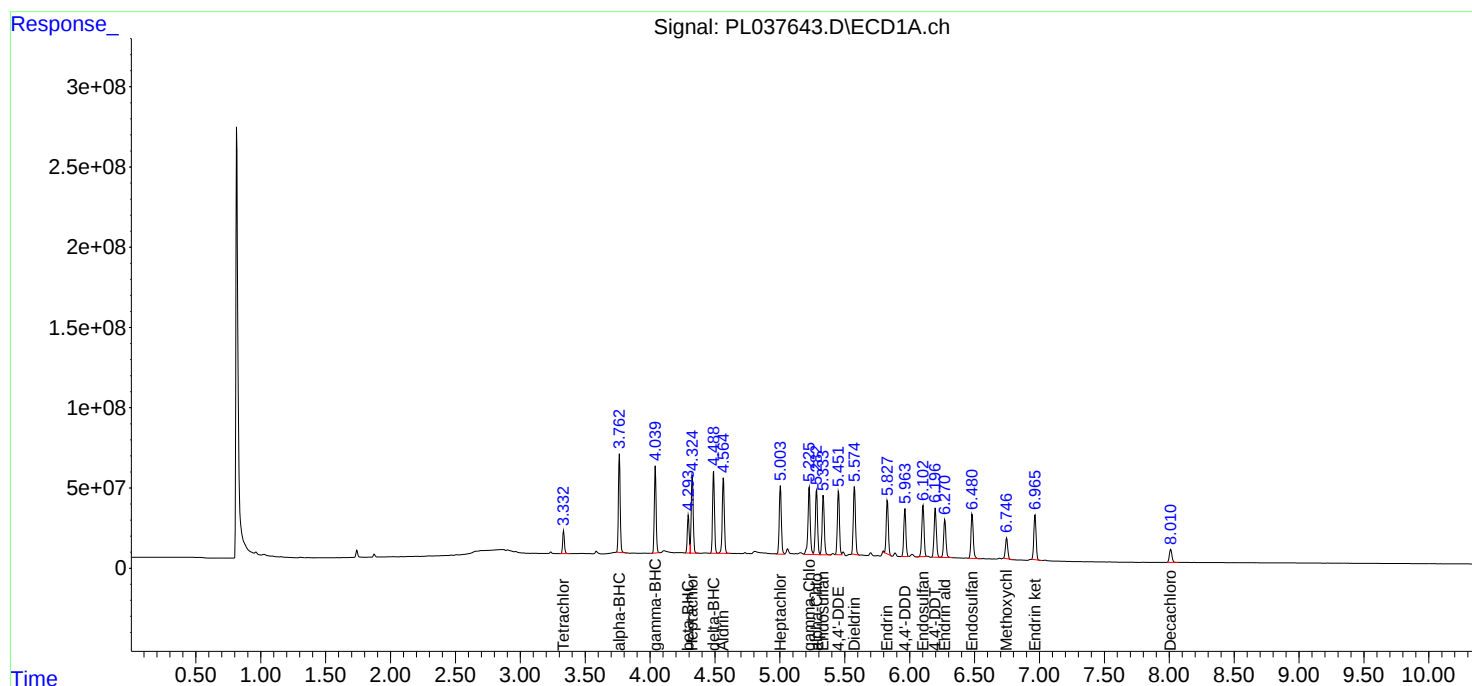
Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

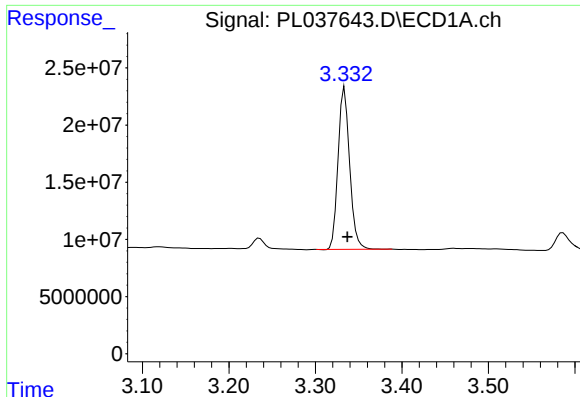
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 03 04:14:40 2018  
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL062018.M  
Quant Title : GC Extractables  
QLast Update : Thu Jun 21 02:27:11 2018  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 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 x0.25µm





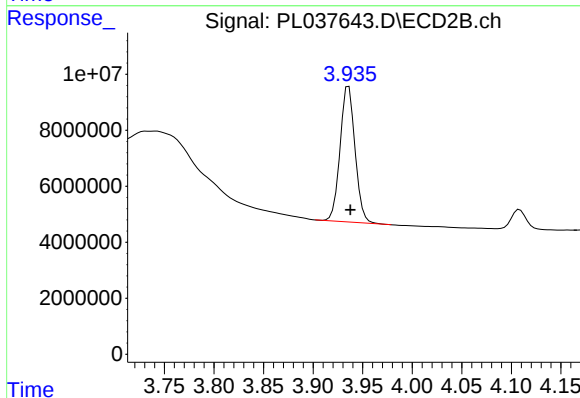
#1 Tetrachloro-m-xylene

R.T.: 3.334 min  
Delta R.T.: -0.003 min  
Response: 130657382  
Conc: 16.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

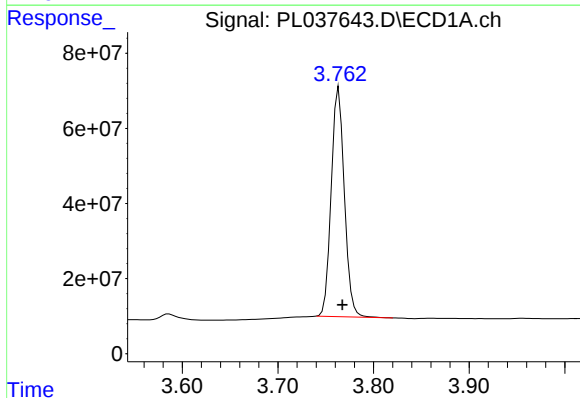
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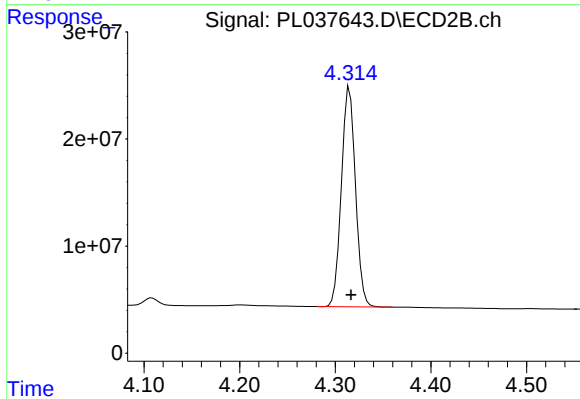
#1 Tetrachloro-m-xylene

R.T.: 3.936 min  
Delta R.T.: -0.002 min  
Response: 50718822  
Conc: 18.33 ng/ml



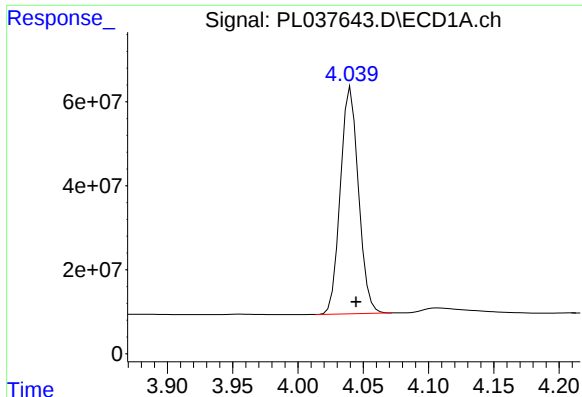
#2 alpha-BHC

R.T.: 3.764 min  
Delta R.T.: -0.004 min  
Response: 580585636  
Conc: 47.42 ng/ml



#2 alpha-BHC

R.T.: 4.315 min  
Delta R.T.: -0.002 min  
Response: 210701171  
Conc: 54.30 ng/ml



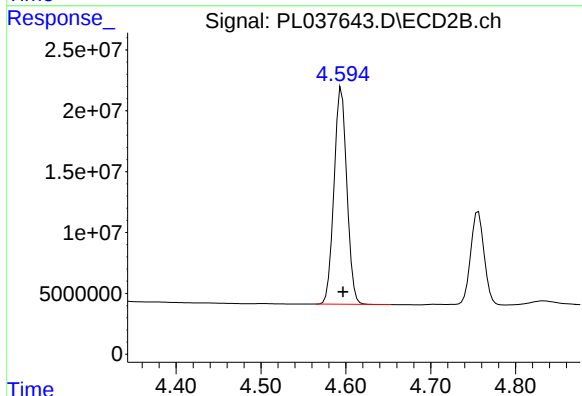
#3 gamma-BHC (Lindane)

R.T.: 4.039 min  
Delta R.T.: -0.005 min  
Response: 520847890  
Conc: 50.50 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

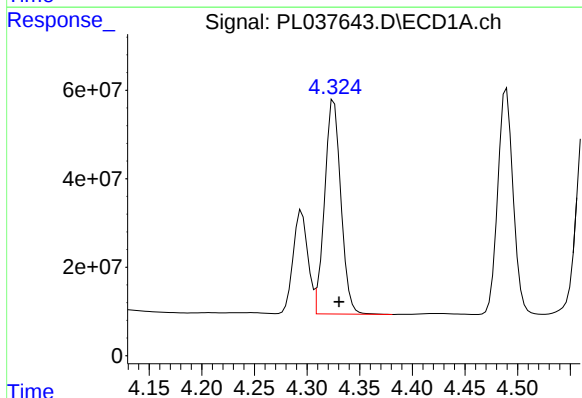
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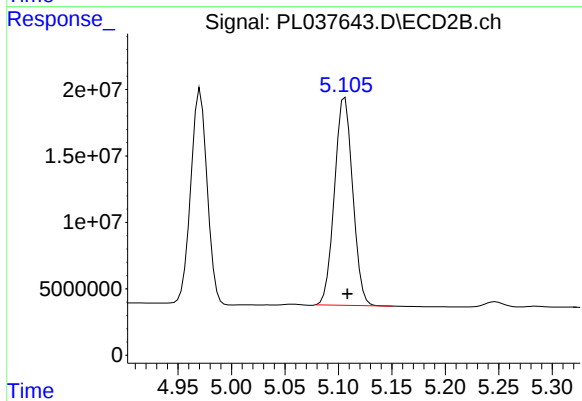
#3 gamma-BHC (Lindane)

R.T.: 4.595 min  
Delta R.T.: -0.002 min  
Response: 187055166  
Conc: 54.16 ng/ml



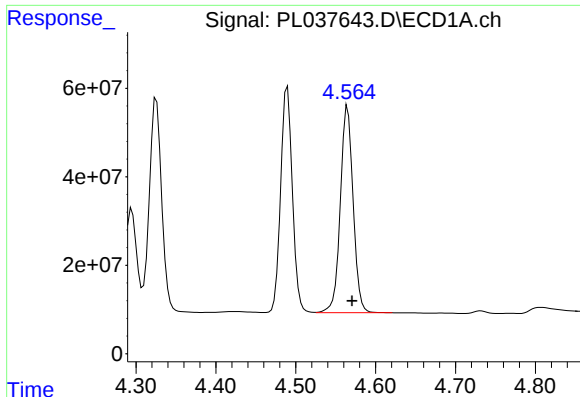
#4 Heptachlor

R.T.: 4.326 min  
Delta R.T.: -0.005 min  
Response: 518803957  
Conc: 50.64 ng/ml



#4 Heptachlor

R.T.: 5.106 min  
Delta R.T.: -0.002 min  
Response: 185421818  
Conc: 53.65 ng/ml



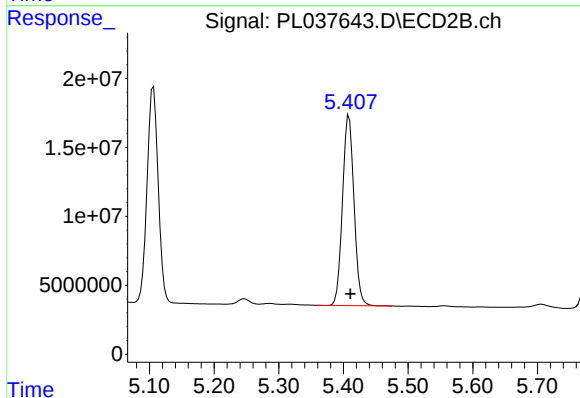
#5 Aldrin

R.T.: 4.565 min  
Delta R.T.: -0.006 min  
Response: 520137330  
Conc: 51.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

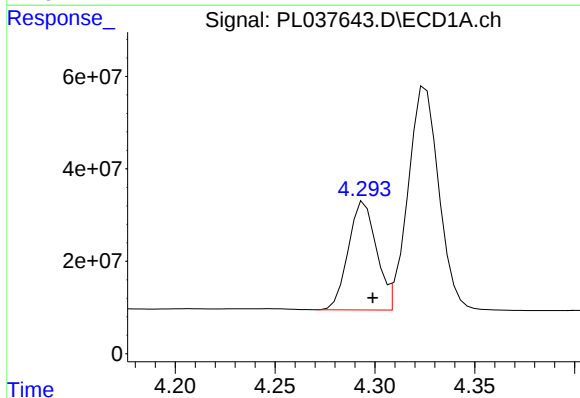
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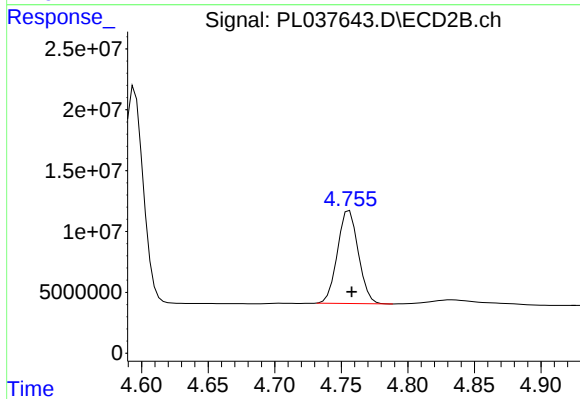
#5 Aldrin

R.T.: 5.409 min  
Delta R.T.: -0.002 min  
Response: 170398835  
Conc: 54.32 ng/ml



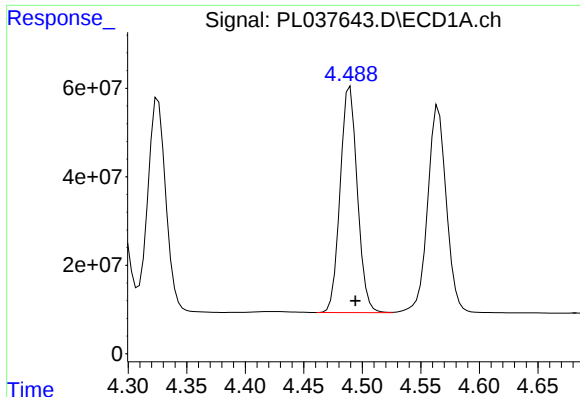
#6 beta-BHC

R.T.: 4.295 min  
Delta R.T.: -0.004 min  
Response: 228687274  
Conc: 50.14 ng/ml



#6 beta-BHC

R.T.: 4.756 min  
Delta R.T.: -0.002 min  
Response: 83282828  
Conc: 51.64 ng/ml



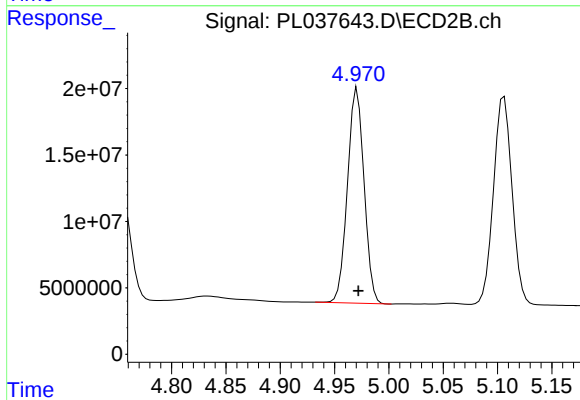
#7 delta-BHC

R.T.: 4.490 min  
Delta R.T.: -0.005 min  
Response: 521490998  
Conc: 49.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

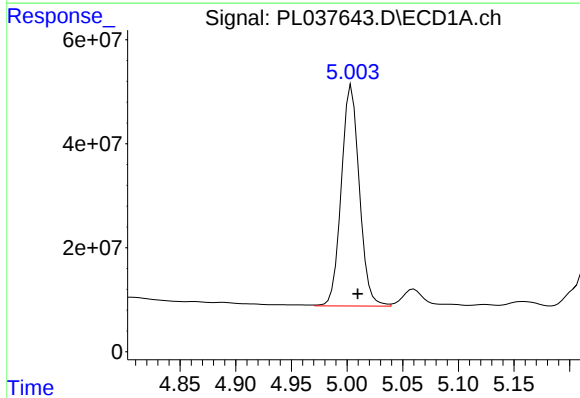
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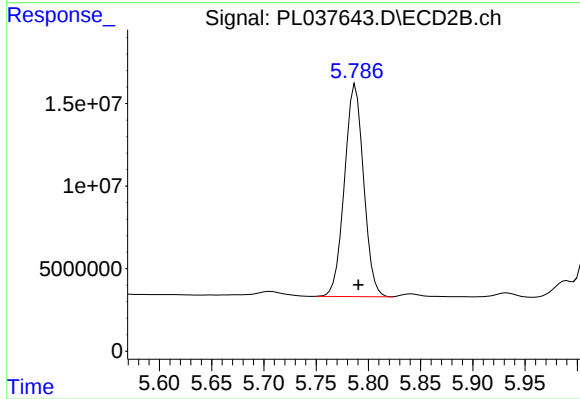
#7 delta-BHC

R.T.: 4.971 min  
Delta R.T.: 0.000 min  
Response: 172354619  
Conc: 61.11 ng/ml



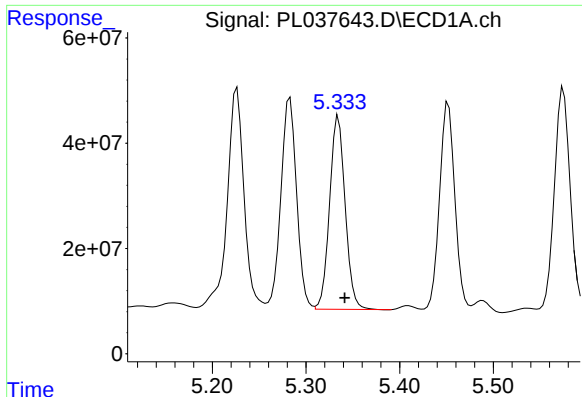
#8 Heptachlor epoxide

R.T.: 5.004 min  
Delta R.T.: -0.006 min  
Response: 478971236  
Conc: 51.13 ng/ml



#8 Heptachlor epoxide

R.T.: 5.788 min  
Delta R.T.: -0.003 min  
Response: 163883435  
Conc: 57.49 ng/ml



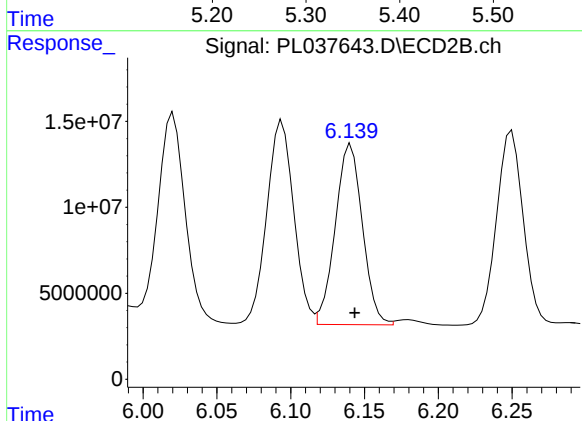
#9 Endosulfan I

R.T.: 5.335 min  
Delta R.T.: -0.007 min  
Response: 424667595  
Conc: 50.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

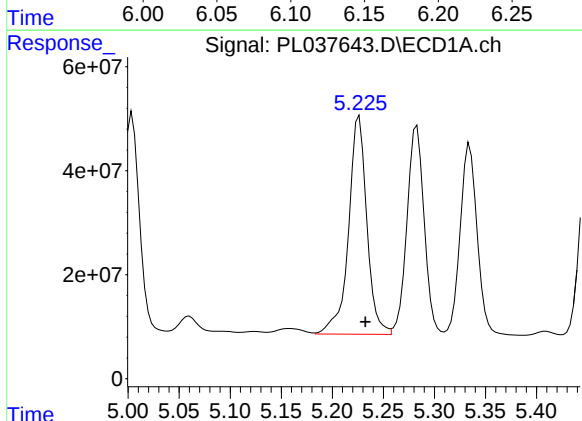
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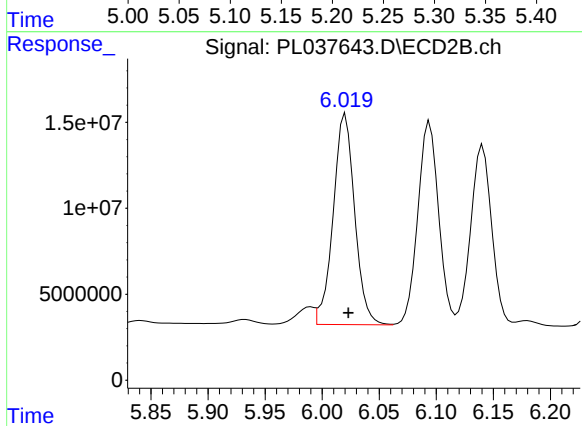
#9 Endosulfan I

R.T.: 6.141 min  
Delta R.T.: -0.003 min  
Response: 134598816  
Conc: 52.48 ng/ml



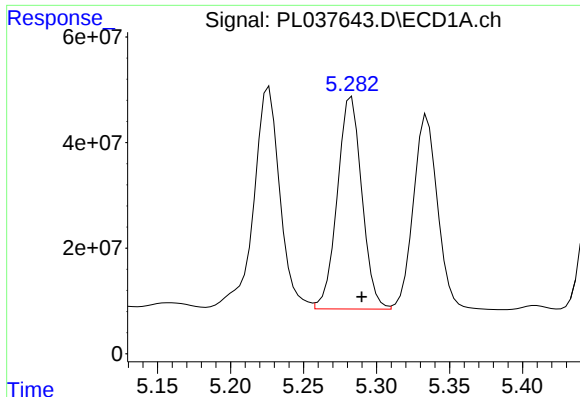
#10 gamma-Chlordane

R.T.: 5.226 min  
Delta R.T.: -0.006 min  
Response: 523665734  
Conc: 55.91 ng/ml



#10 gamma-Chlordane

R.T.: 6.020 min  
Delta R.T.: -0.003 min  
Response: 161124264  
Conc: 57.21 ng/ml



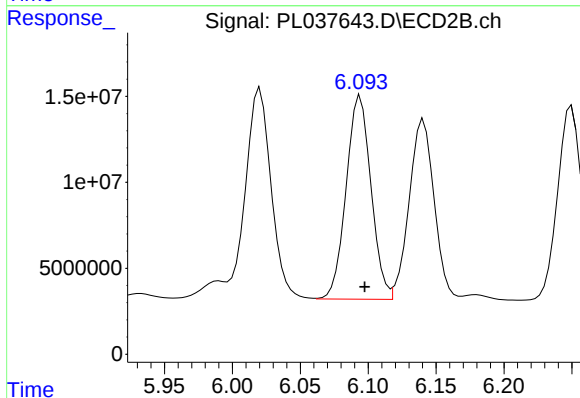
#11 alpha-Chlordane

R.T.: 5.283 min  
Delta R.T.: -0.007 min  
Response: 470507301  
Conc: 51.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

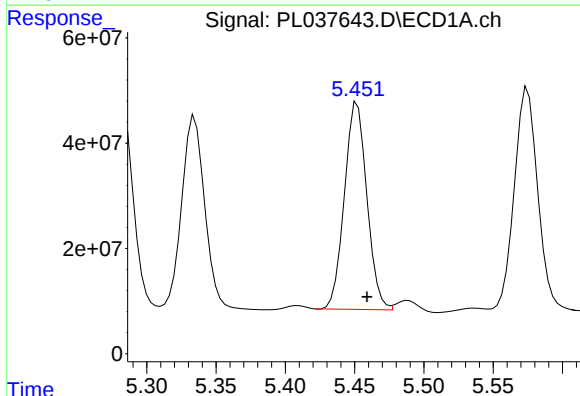
Manual Integrations  
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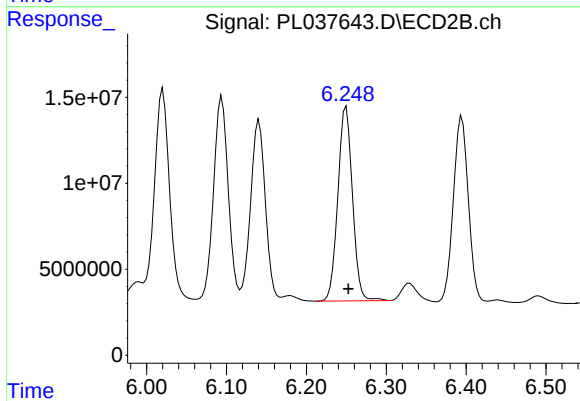
#11 alpha-Chlordane

R.T.: 6.094 min  
Delta R.T.: -0.003 min  
Response: 150975582  
Conc: 52.45 ng/ml



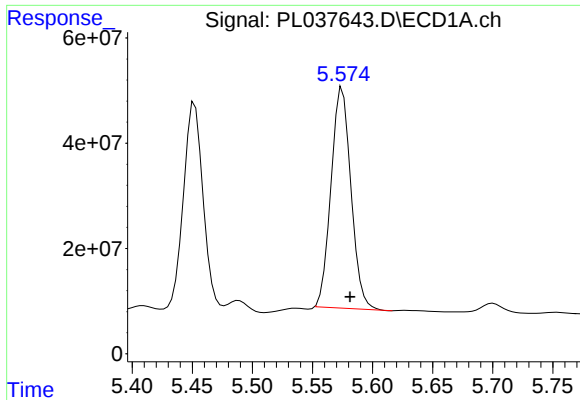
#12 4,4'-DDE

R.T.: 5.452 min  
Delta R.T.: -0.007 min  
Response: 444423853  
Conc: 50.32 ng/ml



#12 4,4'-DDE

R.T.: 6.250 min  
Delta R.T.: -0.003 min  
Response: 143551000  
Conc: 56.41 ng/ml



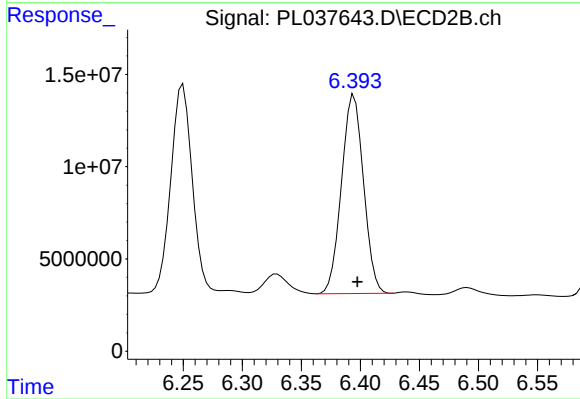
#13 Dieldrin

R.T.: 5.575 min  
Delta R.T.: -0.006 min  
Response: 485008644  
Conc: 54.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

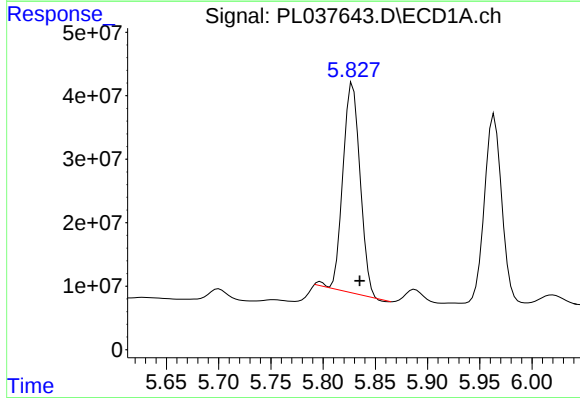
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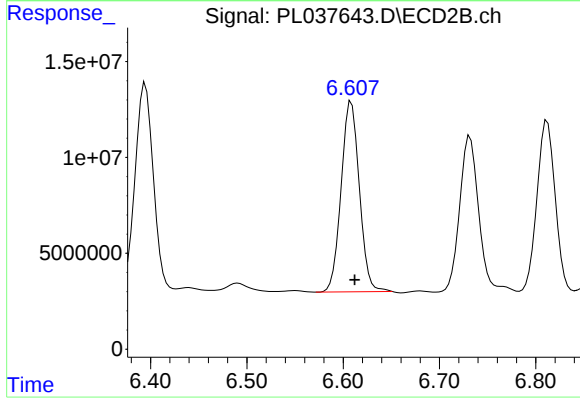
#13 Dieldrin

R.T.: 6.395 min  
Delta R.T.: -0.003 min  
Response: 139714353  
Conc: 52.34 ng/ml



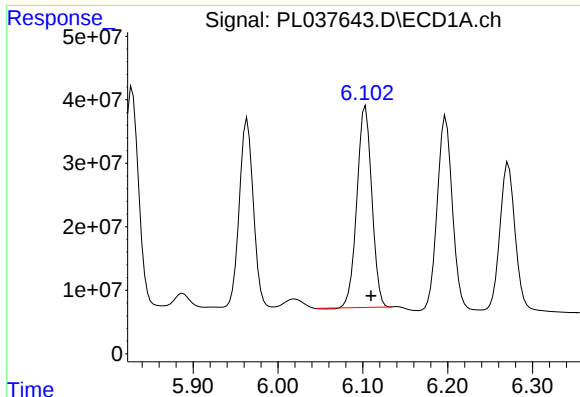
#14 Endrin

R.T.: 5.828 min  
Delta R.T.: -0.007 min  
Response: 378400839  
Conc: 48.04 ng/ml



#14 Endrin

R.T.: 6.609 min  
Delta R.T.: -0.003 min  
Response: 130315911  
Conc: 56.68 ng/ml



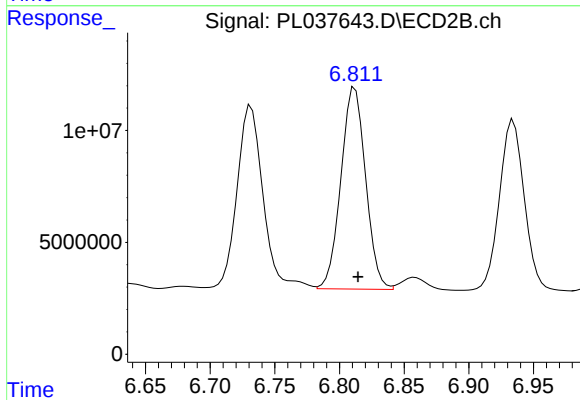
#15 Endosulfan II

R.T.: 6.103 min  
Delta R.T.: -0.006 min  
Response: 386212788  
Conc: 52.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

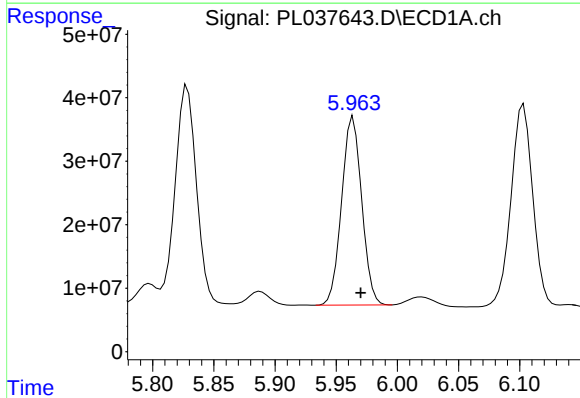
Manual Integrations  
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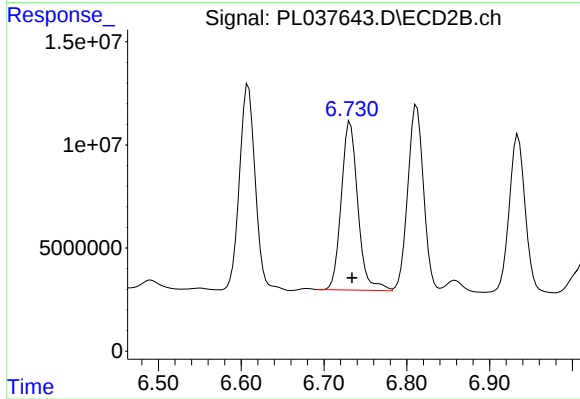
#15 Endosulfan II

R.T.: 6.812 min  
Delta R.T.: -0.002 min  
Response: 119706982  
Conc: 48.27 ng/ml



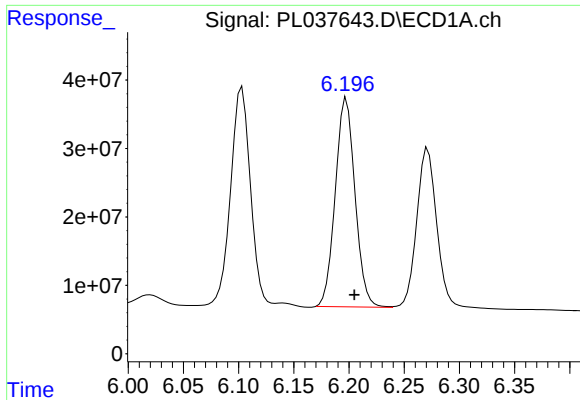
#16 4,4'-DDD

R.T.: 5.964 min  
Delta R.T.: -0.006 min  
Response: 339023323  
Conc: 51.62 ng/ml



#16 4,4'-DDD

R.T.: 6.732 min  
Delta R.T.: -0.002 min  
Response: 113706042  
Conc: 55.39 ng/ml



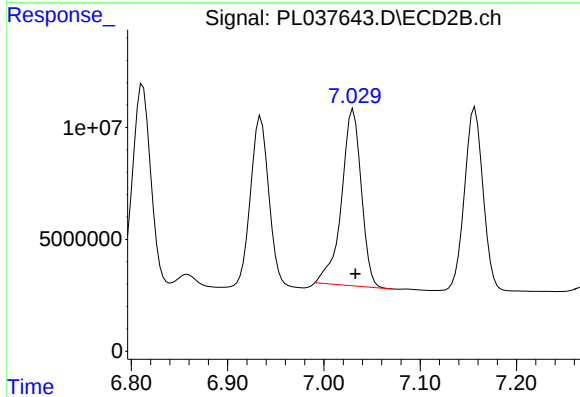
#17 4,4'-DDT

R.T.: 6.198 min  
Delta R.T.: -0.007 min  
Response: 379800825  
Conc: 58.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

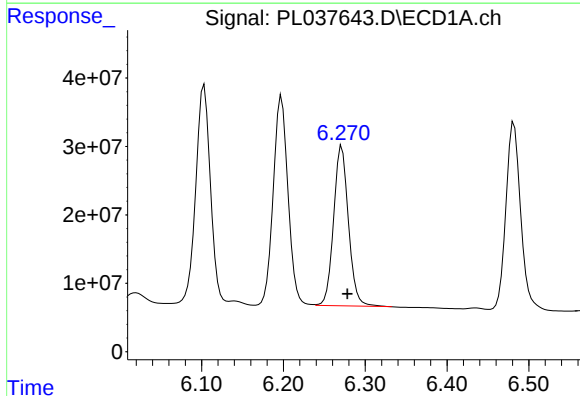
Manual Integrations  
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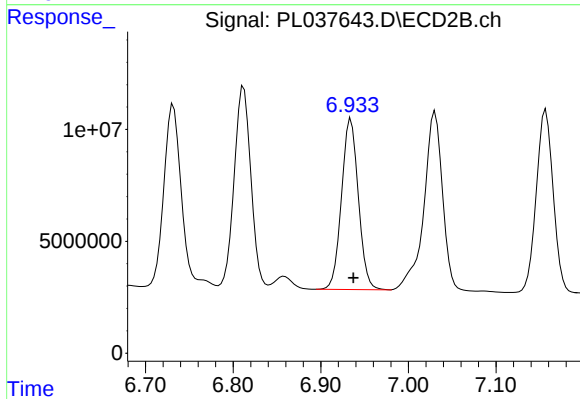
#17 4,4'-DDT

R.T.: 7.031 min  
Delta R.T.: -0.002 min  
Response: 111986253  
Conc: 52.87 ng/ml



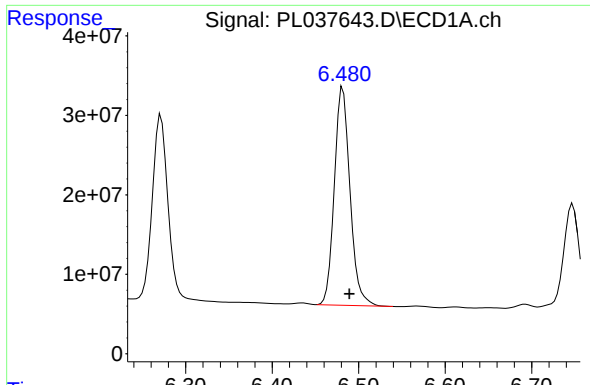
#18 Endrin aldehyde

R.T.: 6.271 min  
Delta R.T.: -0.007 min  
Response: 294550083  
Conc: 52.74 ng/ml



#18 Endrin aldehyde

R.T.: 6.934 min  
Delta R.T.: -0.003 min  
Response: 101798669  
Conc: 50.59 ng/ml



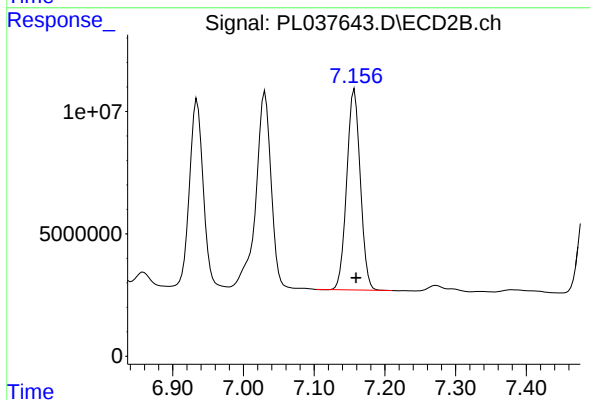
#19 Endosulfan Sulfate

R.T.: 6.482 min  
Delta R.T.: -0.008 min  
Response: 344164167  
Conc: 51.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

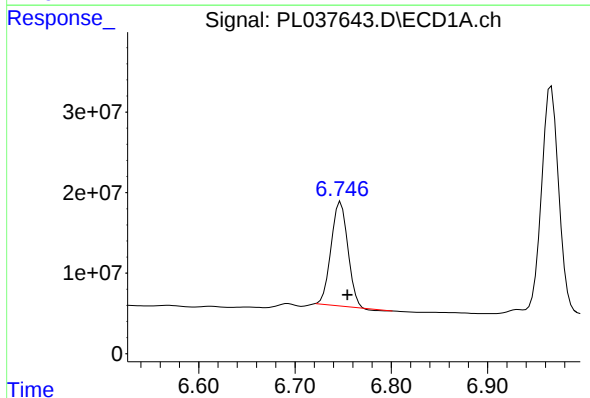
Manual Integrations  
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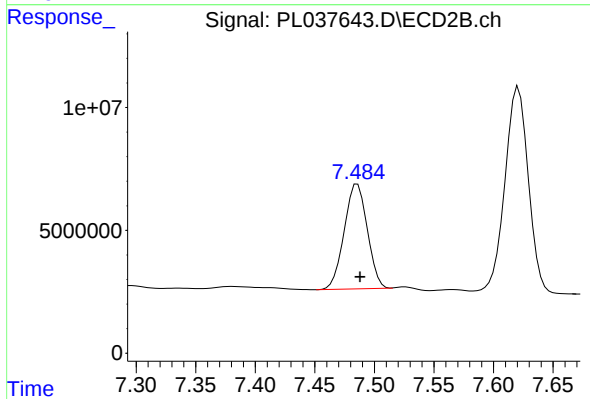
#19 Endosulfan Sulfate

R.T.: 7.157 min  
Delta R.T.: -0.002 min  
Response: 109559154  
Conc: 50.34 ng/ml



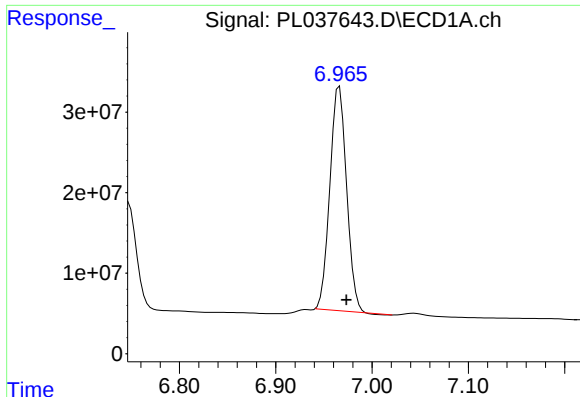
#20 Methoxychlor

R.T.: 6.747 min  
Delta R.T.: -0.007 min  
Response: 154445376  
Conc: 45.44 ng/ml



#20 Methoxychlor

R.T.: 7.486 min  
Delta R.T.: -0.002 min  
Response: 57505713  
Conc: 51.37 ng/ml



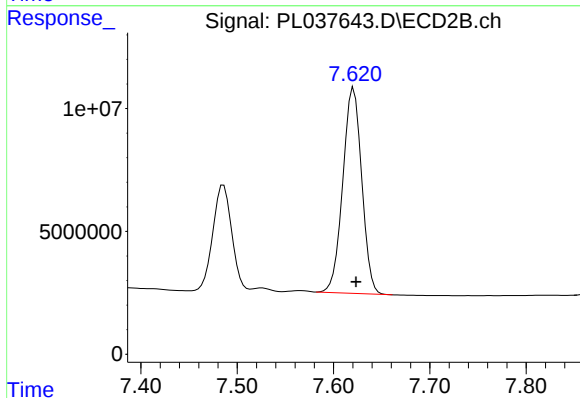
#21 Endrin ketone

R.T.: 6.966 min  
Delta R.T.: -0.007 min  
Response: 335380245  
Conc: 47.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDOC WATER-03

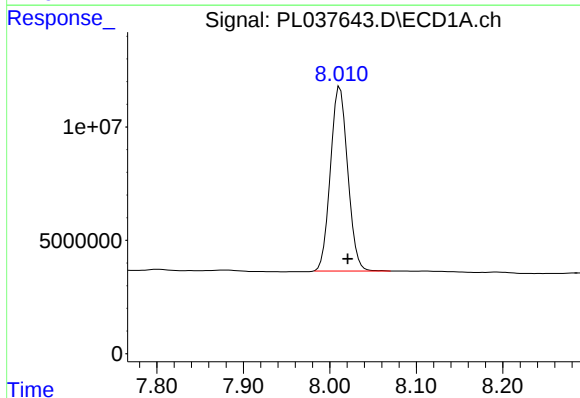
Manual Integrations  
APPROVED

mohammad  
7/3/2018 3:29:50 PM



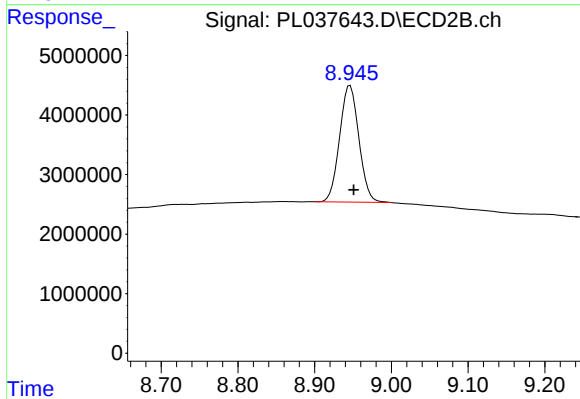
#21 Endrin ketone

R.T.: 7.621 min  
Delta R.T.: -0.002 min  
Response: 113763702  
Conc: 56.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.012 min  
Delta R.T.: -0.009 min  
Response: 112658746  
Conc: 18.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.946 min  
Delta R.T.: -0.005 min  
Response: 34325425  
Conc: 17.30 ng/ml