

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041719\  
 Data File : PL047500.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Apr 2019 15:05  
 Operator : AJ\SJ  
 Sample : SOIL IDOC-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL IDOC-04

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 18 01:12:02 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 22 13:40:08 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... | 3.358 | 3.976 | 139.9E6 | 44852363 | 19.232  | 19.590  |
| 28)                         | SA Decachlor... | 8.033 | 9.028 | 180.3E6 | 51705544 | 21.435  | 22.302  |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.787 | 4.366 | 667.9E6 | 181.3E6  | 57.275  | 56.419  |
| 3)                          | MA gamma-BHC... | 4.064 | 4.650 | 615.5E6 | 169.2E6  | 57.282  | 56.523  |
| 4)                          | MA Heptachlor   | 4.350 | 5.155 | 644.6E6 | 177.5E6  | 58.468  | 57.706m |
| 5)                          | MB Aldrin       | 4.591 | 5.460 | 621.4E6 | 166.6E6  | 60.239  | 58.164  |
| 6)                          | B beta-BHC      | 4.317 | 4.824 | 251.3E6 | 75121765 | 55.819  | 56.666  |
| 7)                          | B delta-BHC     | 4.512 | 5.038 | 577.3E6 | 136.4E6  | 57.024  | 58.797m |
| 8)                          | B Heptachlo...  | 5.028 | 5.844 | 564.4E6 | 146.3E6  | 57.864  | 55.475m |
| 9)                          | A Endosulfan I  | 5.359 | 6.202 | 541.4E6 | 145.6E6  | 57.585  | 55.770  |
| 10)                         | B gamma-Chl...  | 5.251 | 6.080 | 587.2E6 | 157.7E6  | 57.157  | 55.572  |
| 11)                         | B alpha-Chl...  | 5.307 | 6.152 | 574.5E6 | 157.1E6  | 56.660  | 55.390  |
| 12)                         | B 4,4'-DDE      | 5.472 | 6.311 | 548.9E6 | 141.8E6  | 59.615m | 57.143  |
| 13)                         | MA Dieldrin     | 5.599 | 6.459 | 582.1E6 | 150.7E6  | 58.003  | 55.609  |
| 14)                         | MA Endrin       | 5.852 | 6.676 | 502.9E6 | 125.0E6  | 53.396  | 52.319  |
| 15)                         | B Endosulfa...  | 6.127 | 6.887 | 499.4E6 | 132.6E6  | 55.735  | 54.961  |
| 16)                         | A 4,4'-DDD      | 5.985 | 6.801 | 445.4E6 | 115.8E6  | 58.920  | 57.530  |
| 17)                         | MA 4,4'-DDT     | 6.220 | 7.097 | 428.1E6 | 115.2E6  | 56.514  | 54.930m |
| 18)                         | B Endrin al...  | 6.293 | 7.011 | 425.4E6 | 116.8E6  | 56.760  | 54.989  |
| 19)                         | B Endosulfa...  | 6.505 | 7.233 | 481.1E6 | 131.6E6  | 58.588  | 55.771  |
| 20)                         | A Methoxychlor  | 6.764 | 7.558 | 228.1E6 | 66783772 | 53.682  | 52.389  |
| 21)                         | B Endrin ke...  | 6.988 | 7.703 | 557.0E6 | 143.3E6  | 60.241  | 57.674  |
| 22)                         | Mirex           | 7.163 | 8.155 | 396.6E6 | 109.7E6  | 54.432  | 54.840  |
| -----                       |                 |       |       |         |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041719\  
Data File : PL047500.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Apr 2019 15:05  
Operator : AJ\SJ  
Sample : SOIL IDOC-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

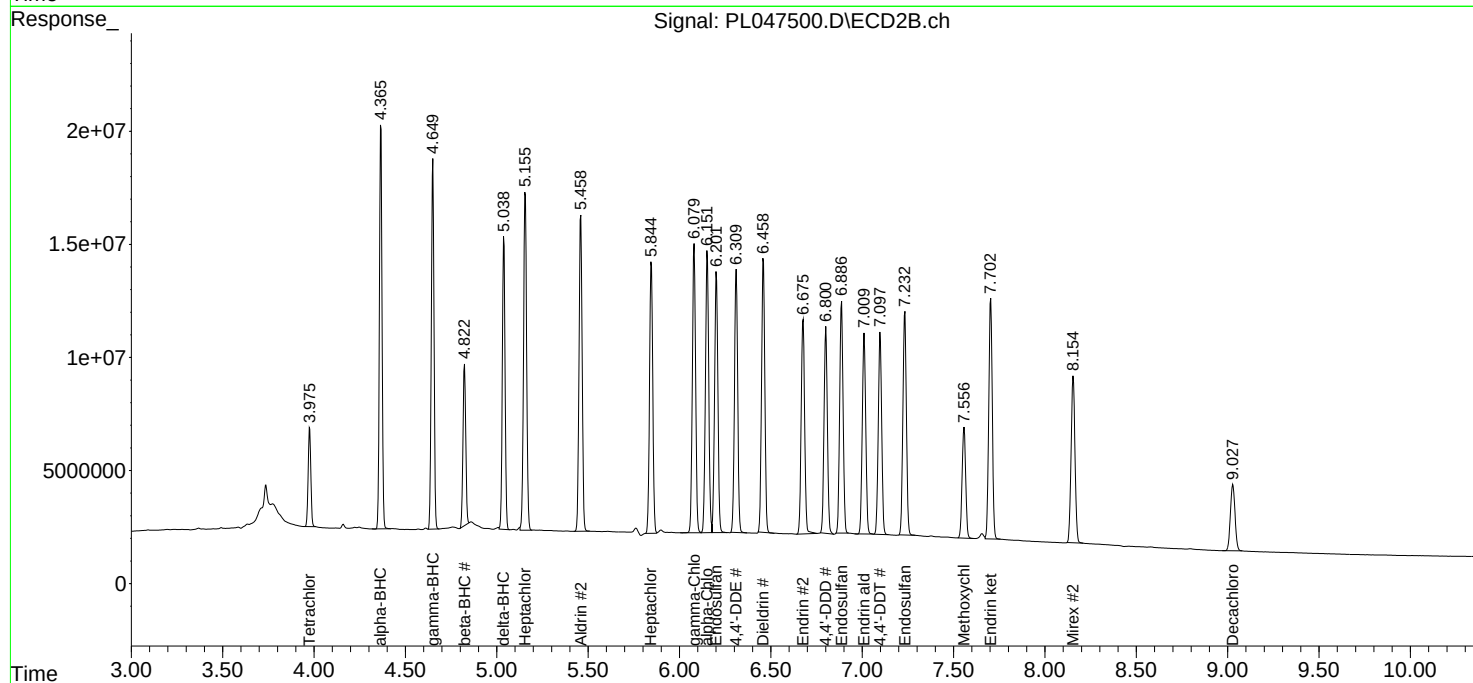
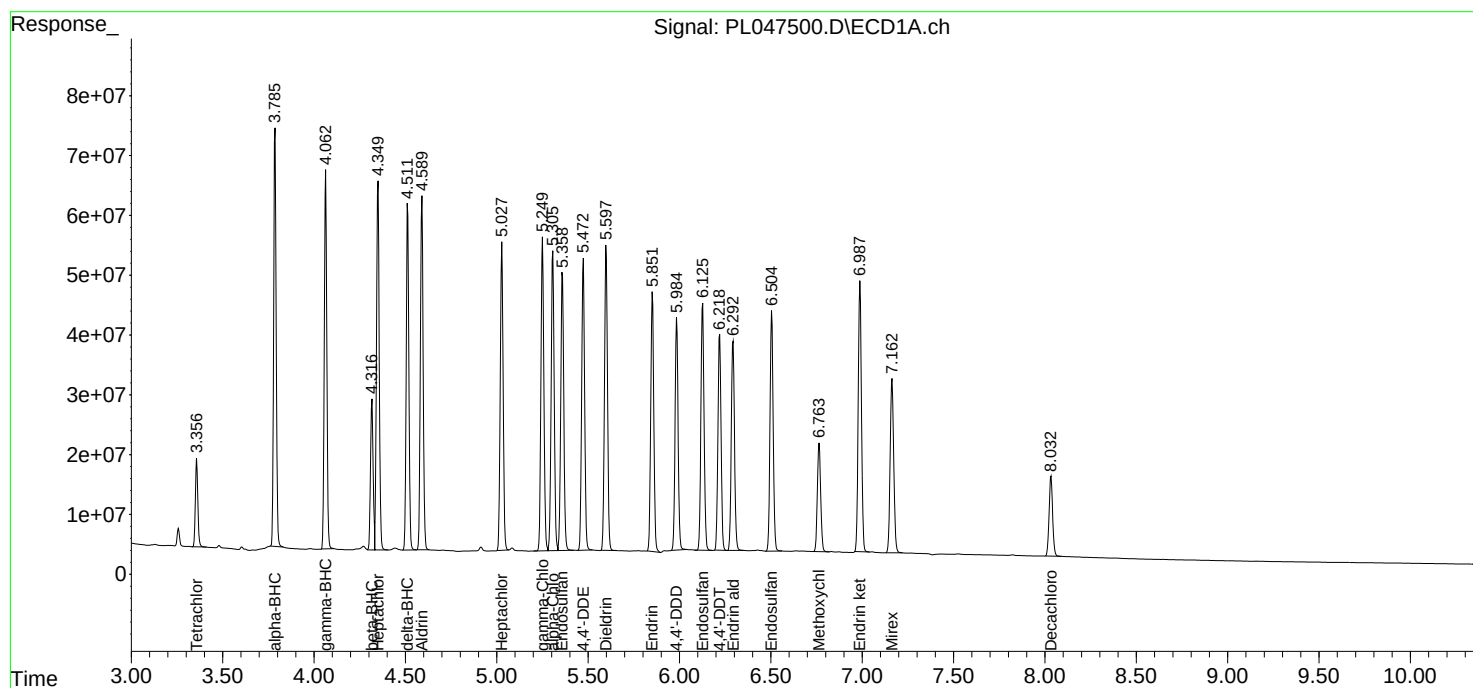
Instrument :  
ECD\_L  
ClientSampled :  
SOIL IDOC-04

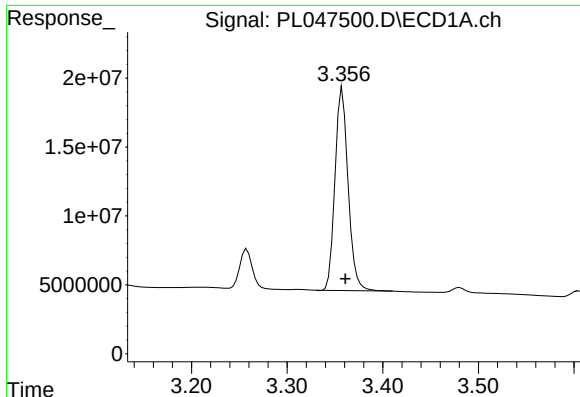
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 18 01:12:02 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 22 13:40:08 2019  
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





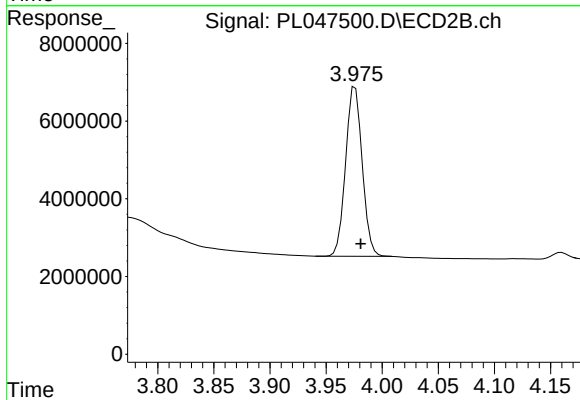
#1 Tetrachloro-m-xylene

R.T.: 3.358 min  
Delta R.T.: -0.003 min  
Response: 139907035  
Conc: 19.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

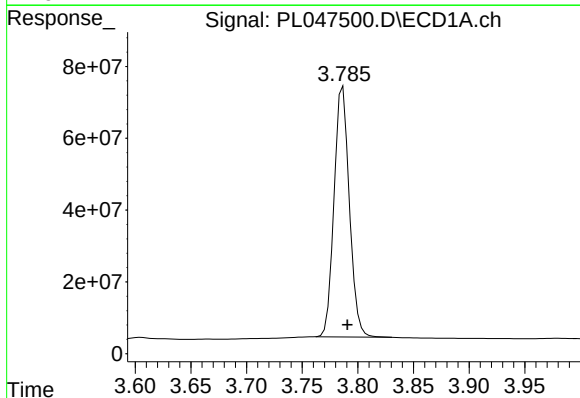
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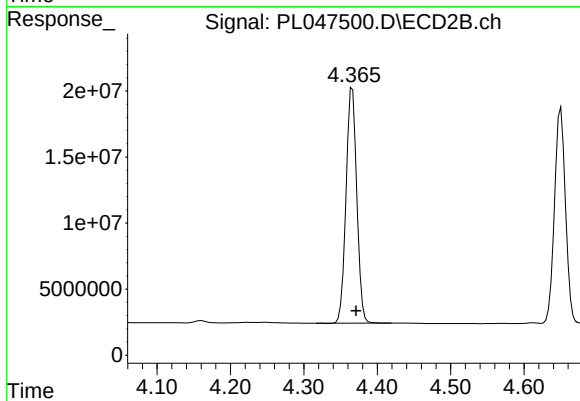
#1 Tetrachloro-m-xylene

R.T.: 3.976 min  
Delta R.T.: -0.005 min  
Response: 44852363  
Conc: 19.59 ng/ml



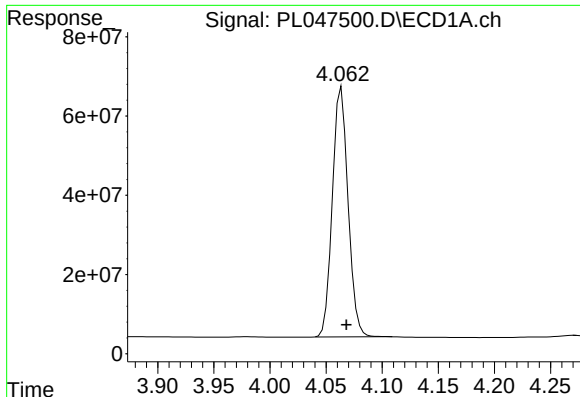
#2 alpha-BHC

R.T.: 3.787 min  
Delta R.T.: -0.004 min  
Response: 667939273  
Conc: 57.27 ng/ml



#2 alpha-BHC

R.T.: 4.366 min  
Delta R.T.: -0.005 min  
Response: 181290990  
Conc: 56.42 ng/ml



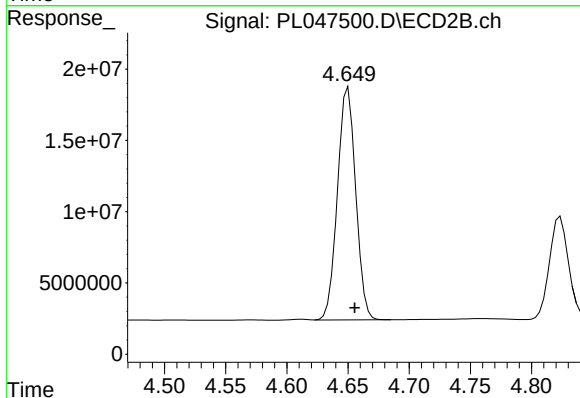
#3 gamma-BHC (Lindane)

R.T.: 4.064 min  
Delta R.T.: -0.005 min  
Response: 615463485  
Conc: 57.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

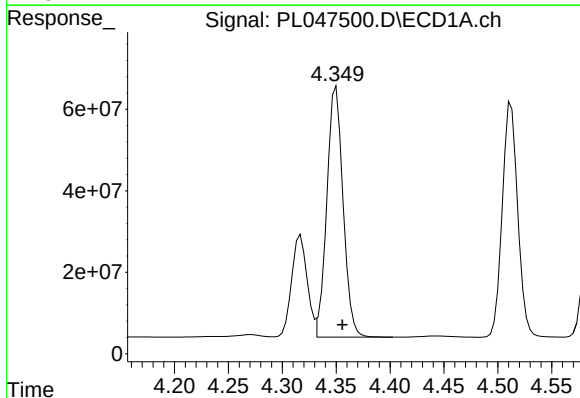
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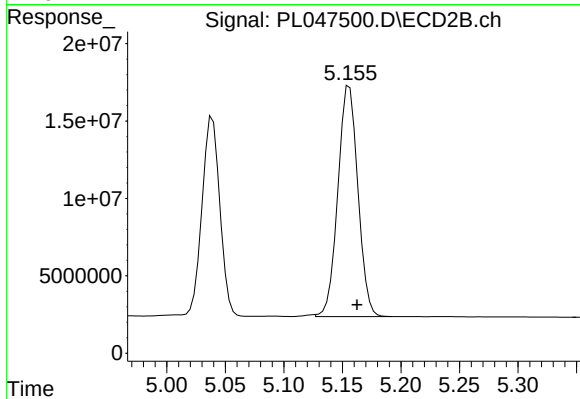
#3 gamma-BHC (Lindane)

R.T.: 4.650 min  
Delta R.T.: -0.005 min  
Response: 169173491  
Conc: 56.52 ng/ml



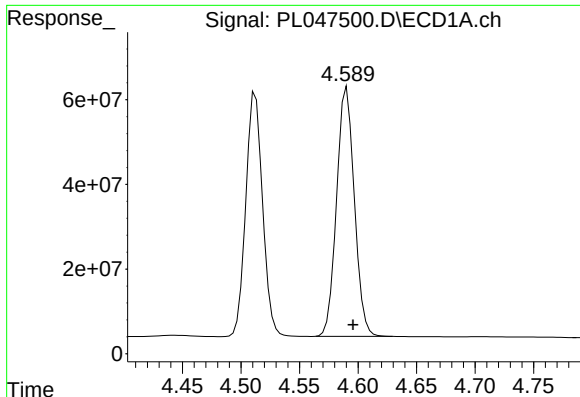
#4 Heptachlor

R.T.: 4.350 min  
Delta R.T.: -0.006 min  
Response: 644615622  
Conc: 58.47 ng/ml



#4 Heptachlor

R.T.: 5.155 min  
Delta R.T.: -0.008 min  
Response: 177497223  
Conc: 57.71 ng/ml m



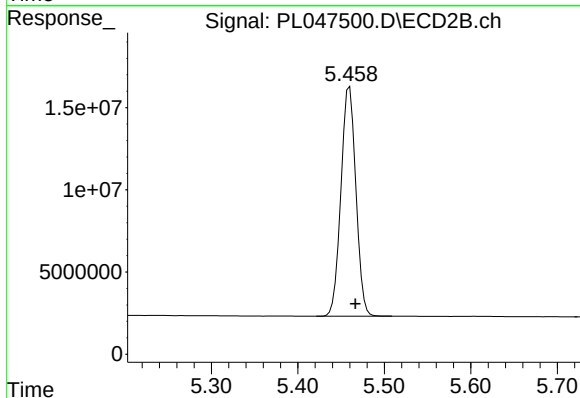
#5 Aldrin

R.T.: 4.591 min  
Delta R.T.: -0.005 min  
Response: 621367763  
Conc: 60.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

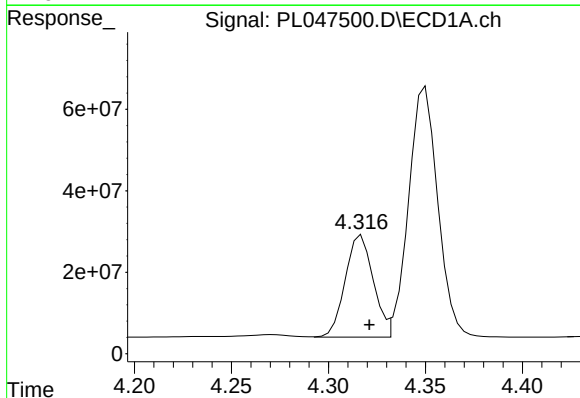
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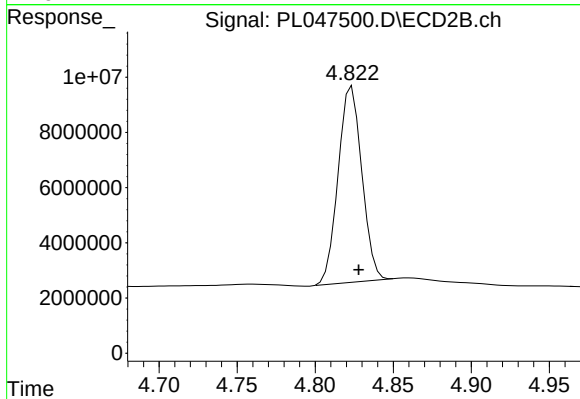
#5 Aldrin

R.T.: 5.460 min  
Delta R.T.: -0.007 min  
Response: 166638996  
Conc: 58.16 ng/ml



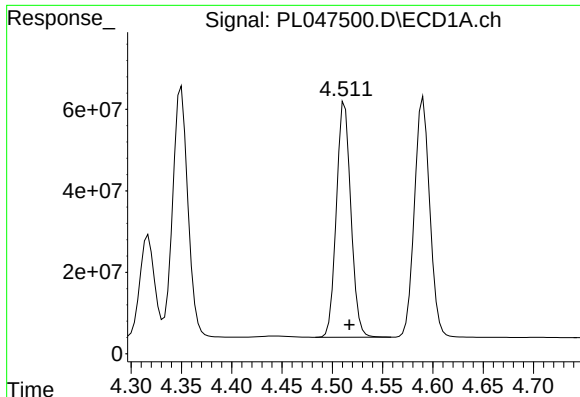
#6 beta-BHC

R.T.: 4.317 min  
Delta R.T.: -0.004 min  
Response: 251319800  
Conc: 55.82 ng/ml



#6 beta-BHC

R.T.: 4.824 min  
Delta R.T.: -0.004 min  
Response: 75121765  
Conc: 56.67 ng/ml



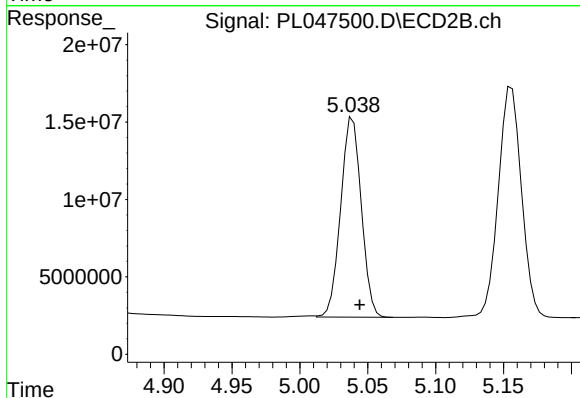
#7 delta-BHC

R.T.: 4.512 min  
Delta R.T.: -0.005 min  
Response: 577260390  
Conc: 57.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

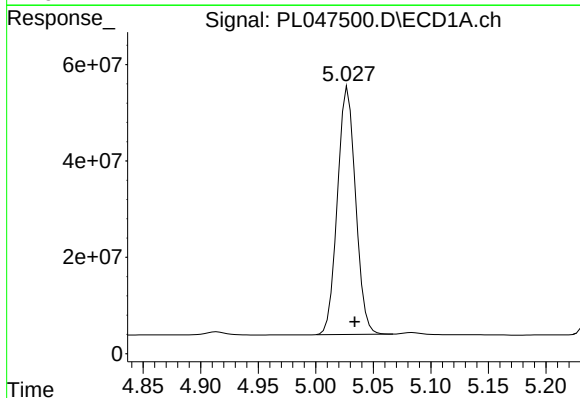
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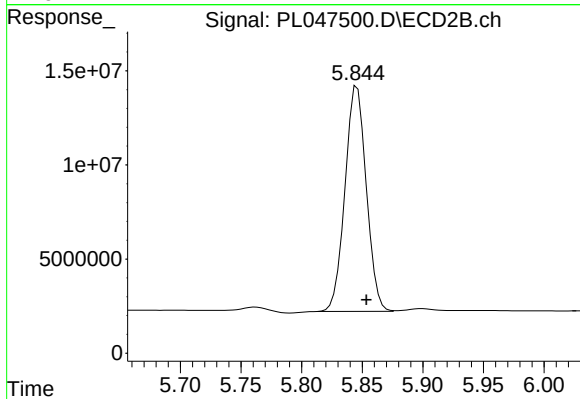
#7 delta-BHC

R.T.: 5.038 min  
Delta R.T.: -0.007 min  
Response: 136418362  
Conc: 58.80 ng/ml m



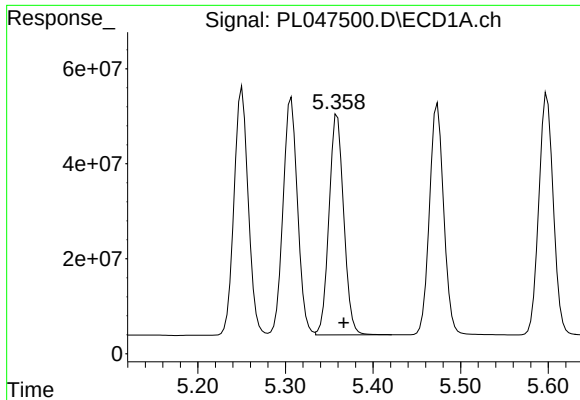
#8 Heptachlor epoxide

R.T.: 5.028 min  
Delta R.T.: -0.006 min  
Response: 564382785  
Conc: 57.86 ng/ml



#8 Heptachlor epoxide

R.T.: 5.844 min  
Delta R.T.: -0.009 min  
Response: 146297242  
Conc: 55.47 ng/ml m



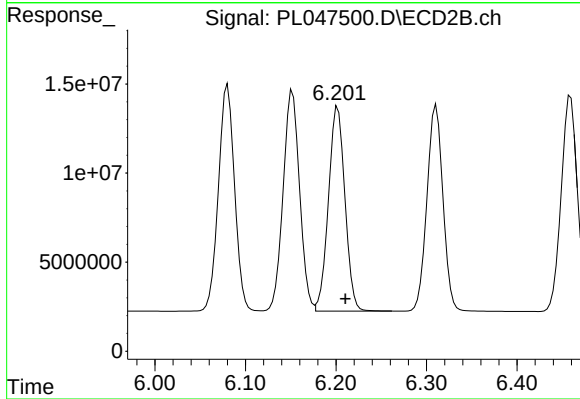
#9 Endosulfan I

R.T.: 5.359 min  
Delta R.T.: -0.007 min  
Response: 541433717  
Conc: 57.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

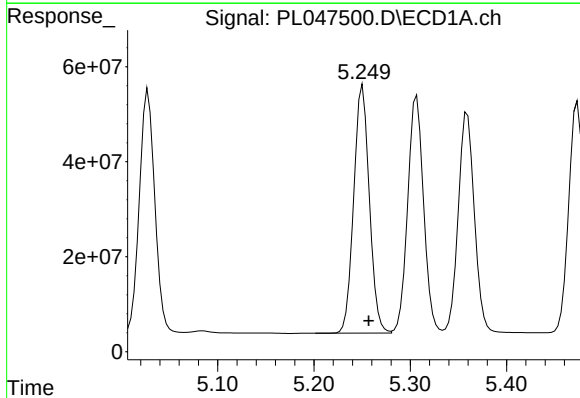
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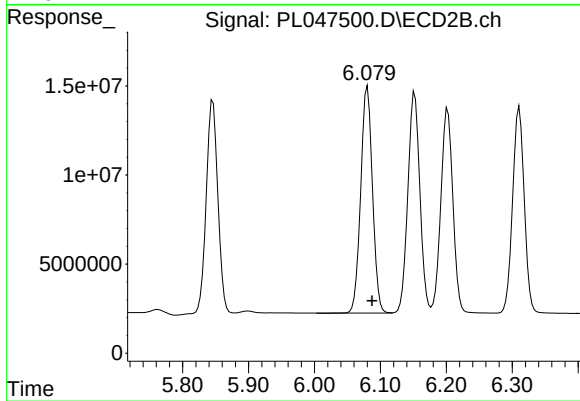
#9 Endosulfan I

R.T.: 6.202 min  
Delta R.T.: -0.008 min  
Response: 145553958  
Conc: 55.77 ng/ml



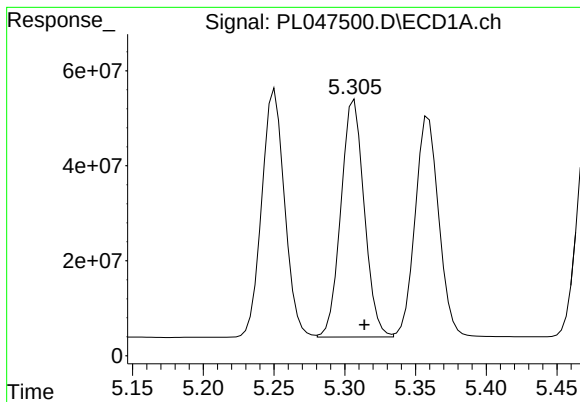
#10 gamma-Chlordane

R.T.: 5.251 min  
Delta R.T.: -0.006 min  
Response: 587153869  
Conc: 57.16 ng/ml



#10 gamma-Chlordane

R.T.: 6.080 min  
Delta R.T.: -0.007 min  
Response: 157718645  
Conc: 55.57 ng/ml



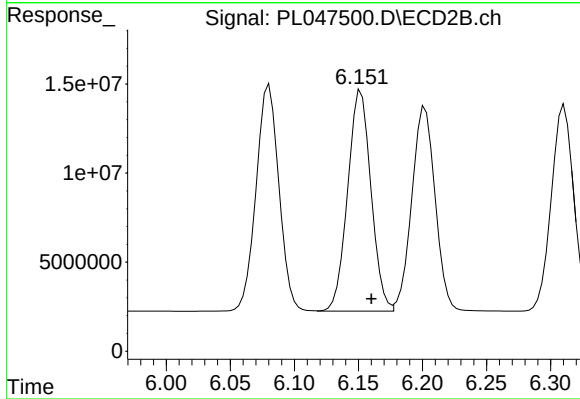
#11 alpha-Chlordane

R.T.: 5.307 min  
Delta R.T.: -0.007 min  
Response: 574476120  
Conc: 56.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

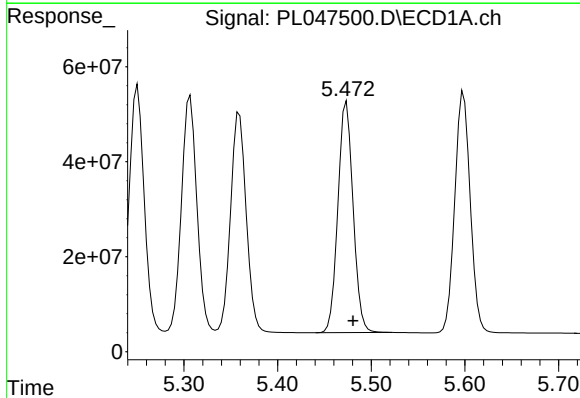
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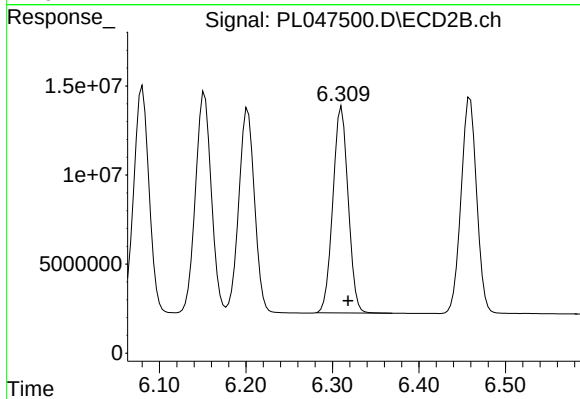
#11 alpha-Chlordane

R.T.: 6.152 min  
Delta R.T.: -0.008 min  
Response: 157123085  
Conc: 55.39 ng/ml



#12 4,4'-DDE

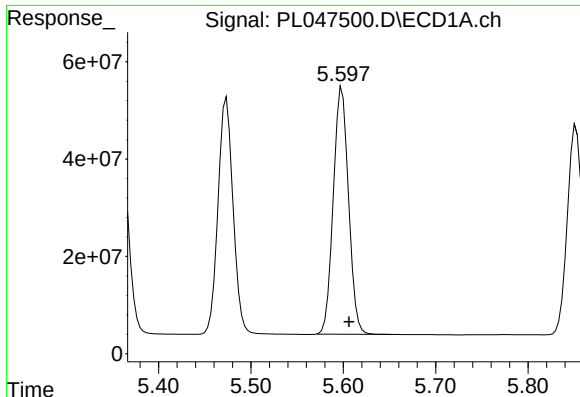
R.T.: 5.472 min  
Delta R.T.: -0.008 min  
Response: 548871178  
Conc: 59.61 ng/ml m



#12 4,4'-DDE

R.T.: 6.311 min  
Delta R.T.: -0.007 min  
Response: 141848658  
Conc: 57.14 ng/ml





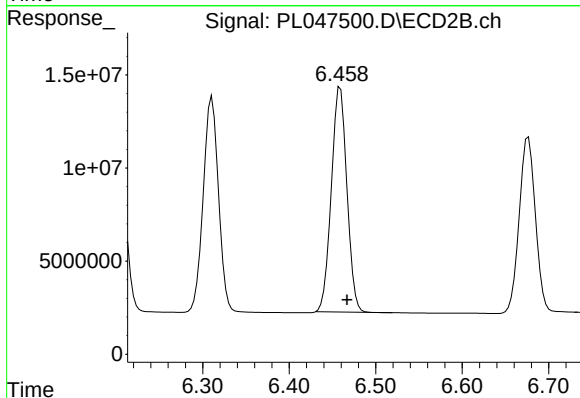
#13 Dieldrin

R.T.: 5.599 min  
Delta R.T.: -0.008 min  
Response: 582093425  
Conc: 58.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

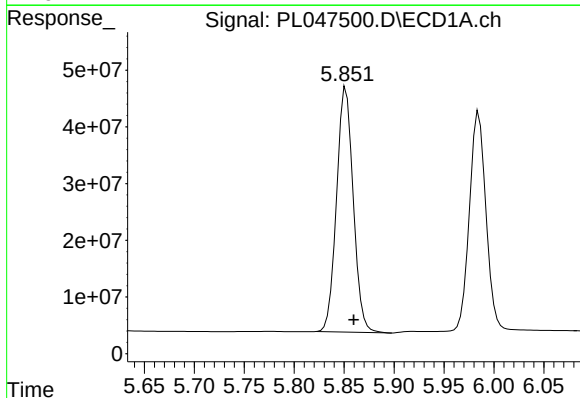
Manual Integrations  
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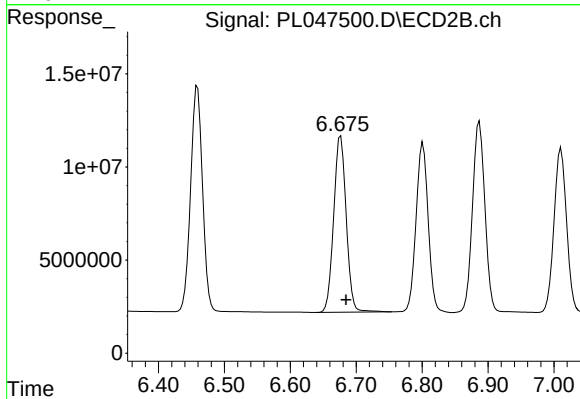
#13 Dieldrin

R.T.: 6.459 min  
Delta R.T.: -0.008 min  
Response: 150738456  
Conc: 55.61 ng/ml



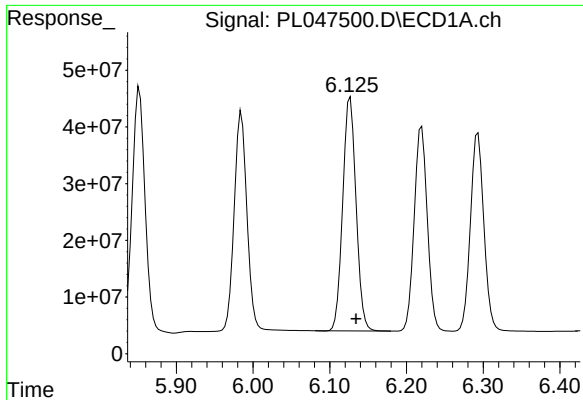
#14 Endrin

R.T.: 5.852 min  
Delta R.T.: -0.008 min  
Response: 502943892  
Conc: 53.40 ng/ml



#14 Endrin

R.T.: 6.676 min  
Delta R.T.: -0.008 min  
Response: 125030080  
Conc: 52.32 ng/ml



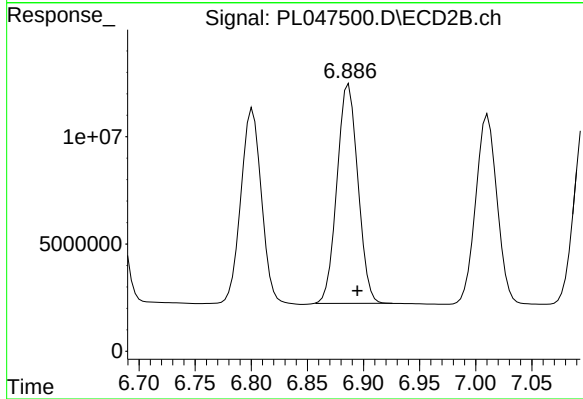
#15 Endosulfan II

R.T.: 6.127 min  
Delta R.T.: -0.007 min  
Response: 499360047  
Conc: 55.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

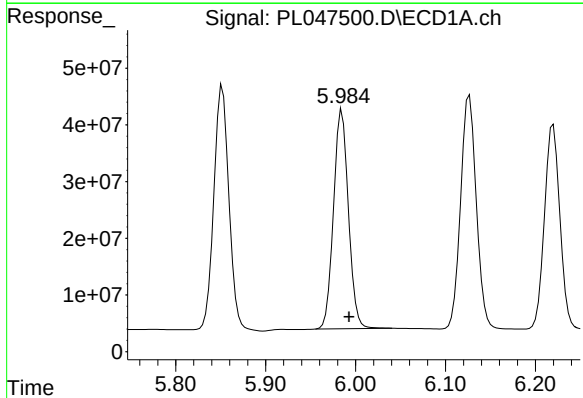
Manual Integrations  
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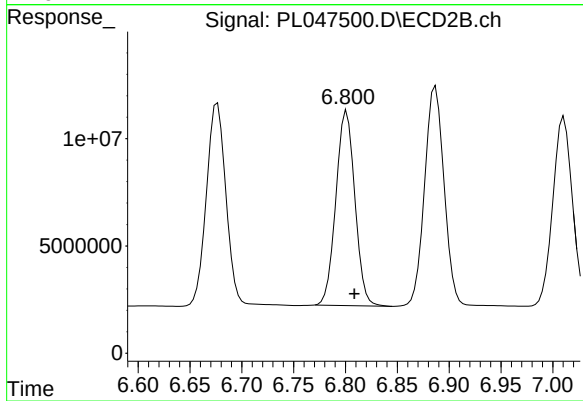
#15 Endosulfan II

R.T.: 6.887 min  
Delta R.T.: -0.008 min  
Response: 132614684  
Conc: 54.96 ng/ml



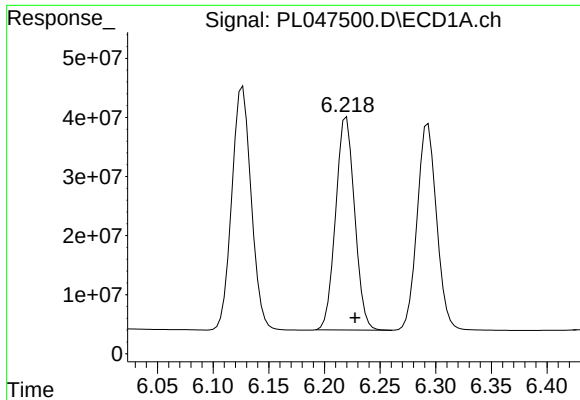
#16 4,4'-DDD

R.T.: 5.985 min  
Delta R.T.: -0.008 min  
Response: 445378110  
Conc: 58.92 ng/ml



#16 4,4'-DDD

R.T.: 6.801 min  
Delta R.T.: -0.007 min  
Response: 115751736  
Conc: 57.53 ng/ml



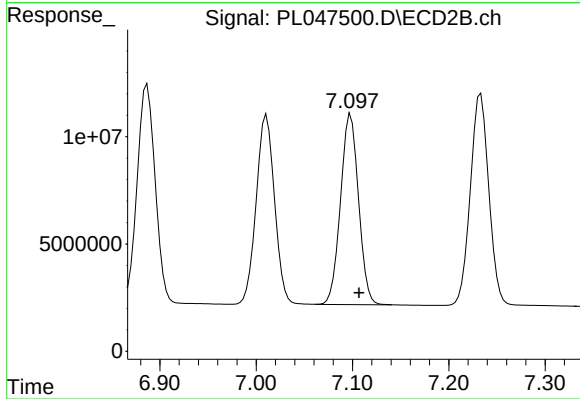
#17 4,4'-DDT

R.T.: 6.220 min  
Delta R.T.: -0.008 min  
Response: 428056902  
Conc: 56.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

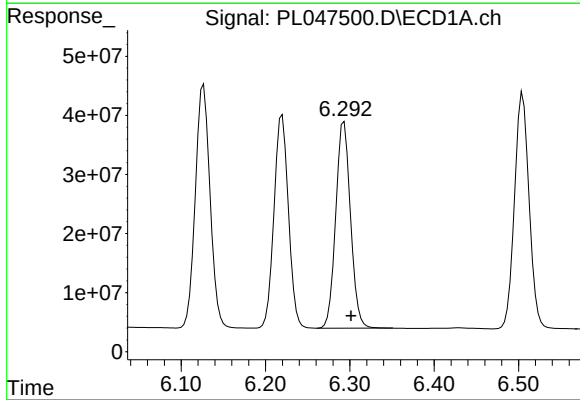
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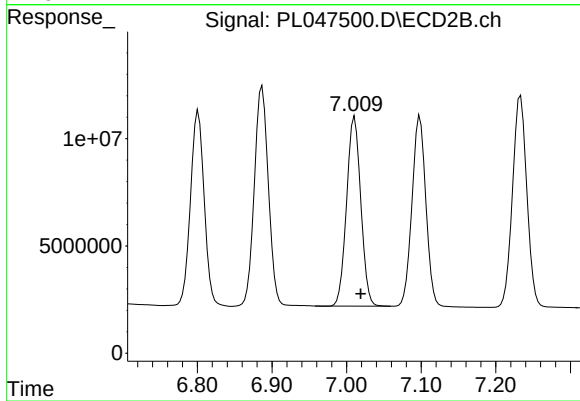
#17 4,4'-DDT

R.T.: 7.097 min  
Delta R.T.: -0.010 min  
Response: 115184815  
Conc: 54.93 ng/ml m



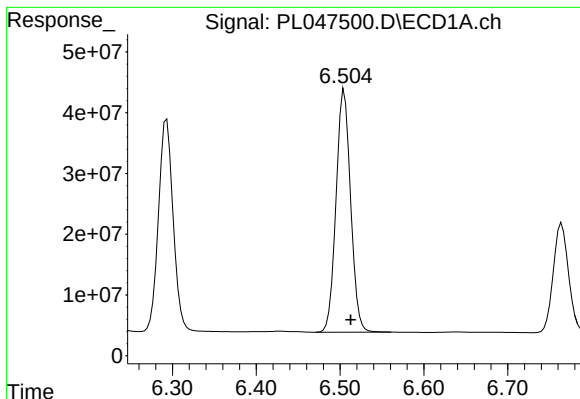
#18 Endrin aldehyde

R.T.: 6.293 min  
Delta R.T.: -0.008 min  
Response: 425422356  
Conc: 56.76 ng/ml



#18 Endrin aldehyde

R.T.: 7.011 min  
Delta R.T.: -0.008 min  
Response: 116796755  
Conc: 54.99 ng/ml



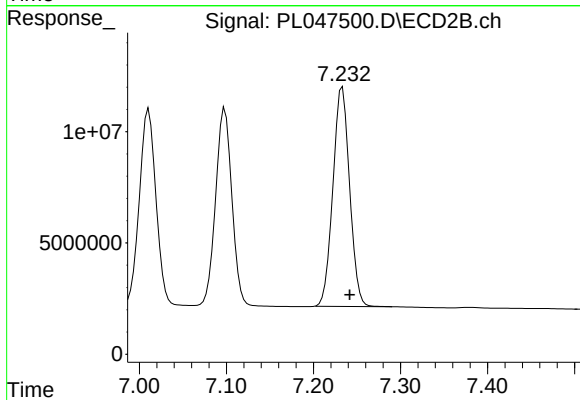
#19 Endosulfan Sulfate

R.T.: 6.505 min  
Delta R.T.: -0.008 min  
Response: 481081514  
Conc: 58.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

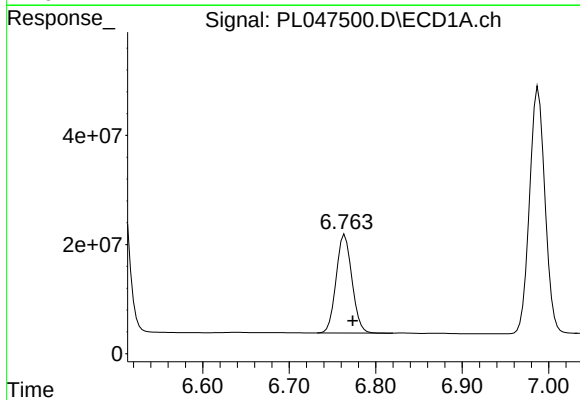
Manual Integrations  
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Sohil  
4/18/2019 10:44:54 AM



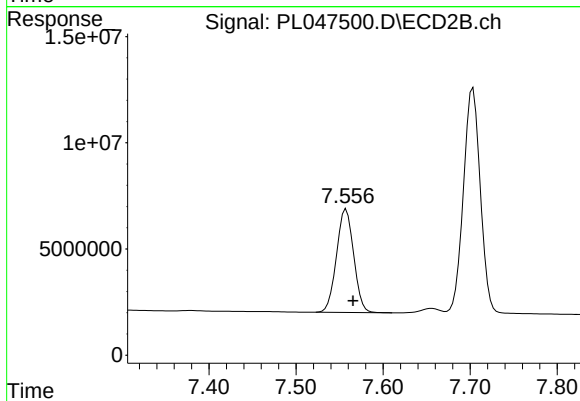
#19 Endosulfan Sulfate

R.T.: 7.233 min  
Delta R.T.: -0.008 min  
Response: 131562879  
Conc: 55.77 ng/ml



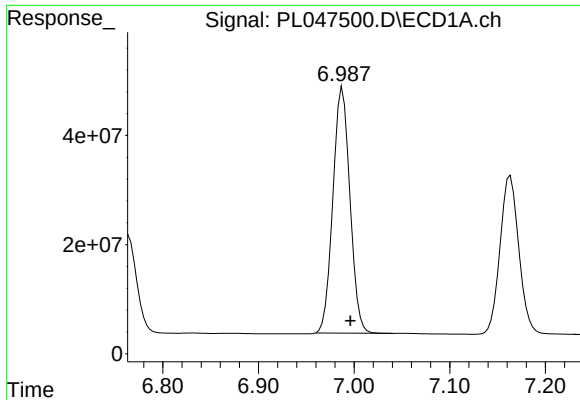
#20 Methoxychlor

R.T.: 6.764 min  
Delta R.T.: -0.009 min  
Response: 228141609  
Conc: 53.68 ng/ml



#20 Methoxychlor

R.T.: 7.558 min  
Delta R.T.: -0.008 min  
Response: 66783772  
Conc: 52.39 ng/ml



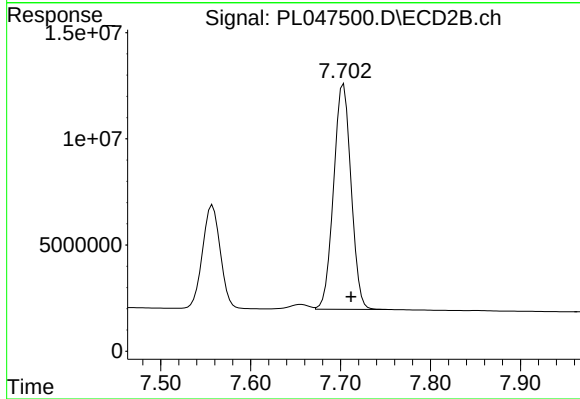
#21 Endrin ketone

R.T.: 6.988 min  
Delta R.T.: -0.008 min  
Response: 557031750  
Conc: 60.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

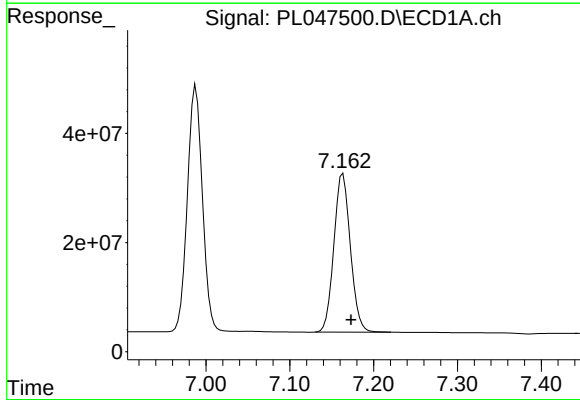
Manual Integrations  
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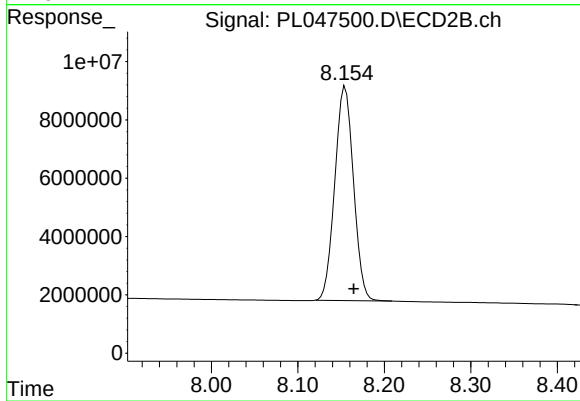
#21 Endrin ketone

R.T.: 7.703 min  
Delta R.T.: -0.008 min  
Response: 143293904  
Conc: 57.67 ng/ml



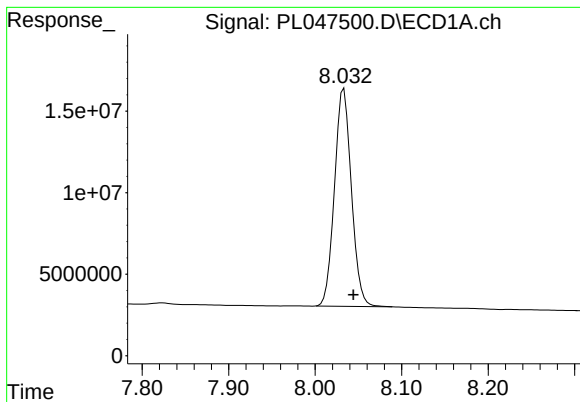
#22 Mirex

R.T.: 7.163 min  
Delta R.T.: -0.010 min  
Response: 396567522  
Conc: 54.43 ng/ml



#22 Mirex

R.T.: 8.155 min  
Delta R.T.: -0.010 min  
Response: 109689490  
Conc: 54.84 ng/ml



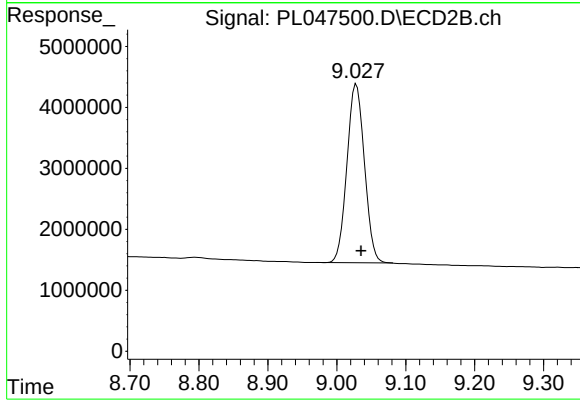
#28 Decachlorobiphenyl

R.T.: 8.033 min  
Delta R.T.: -0.011 min  
Response: 180290536  
Conc: 21.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-04

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 9.028 min  
Delta R.T.: -0.007 min  
Response: 51705544  
Conc: 22.30 ng/ml