

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD011819\  
 Data File : PD051096.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 18 Jan 2019 15:17  
 Operator : AJ\SJ  
 Sample : PB116483BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB116483BS

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 18 22:04:50 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD011019.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jan 10 03:41:46 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.226 | 4.044 | 28288020 | 628.7E6  | 18.939 | 21.127  |
| 28)                         | SA Decachlor... | 7.829 | 9.157 | 23452911 | 371.7E6  | 19.323 | 18.629  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.646 | 4.437 | 127.8E6  | 2228.0E6 | 53.092 | 48.890  |
| 3)                          | MA gamma-BHC... | 3.915 | 4.724 | 120.9E6  | 2034.7E6 | 51.274 | 48.952  |
| 4)                          | MA Heptachlor   | 4.193 | 5.238 | 119.7E6  | 2062.8E6 | 49.961 | 50.559  |
| 5)                          | MB Aldrin       | 4.425 | 5.545 | 124.0E6  | 1903.6E6 | 52.265 | 48.628  |
| 6)                          | B beta-BHC      | 4.160 | 4.894 | 47431223 | 890.2E6  | 50.089 | 49.193  |
| 7)                          | B delta-BHC     | 4.349 | 5.111 | 103.7E6  | 1726.5E6 | 46.061 | 44.434m |
| 8)                          | B Heptachlor... | 4.853 | 5.932 | 117.1E6  | 1682.2E6 | 52.087 | 48.244m |
| 9)                          | A Endosulfan I  | 5.175 | 6.291 | 110.7E6  | 1521.7E6 | 51.920 | 48.360  |
| 10)                         | B gamma-Chl...  | 5.070 | 6.167 | 121.0E6  | 1710.8E6 | 51.674 | 49.256  |
| 11)                         | B alpha-Chl...  | 5.127 | 6.241 | 118.6E6  | 1646.0E6 | 51.359 | 48.563  |
| 12)                         | B 4,4'-DDE      | 5.296 | 6.397 | 114.8E6  | 1582.5E6 | 53.167 | 48.000  |
| 13)                         | MA Dieldrin     | 5.410 | 6.550 | 121.4E6  | 1567.0E6 | 51.843 | 46.974  |
| 14)                         | MA Endrin       | 5.657 | 6.769 | 96740532 | 1167.2E6 | 44.171 | 41.445  |
| 15)                         | B Endosulfa...  | 5.927 | 6.976 | 104.3E6  | 1298.4E6 | 52.138 | 47.435m |
| 16)                         | A 4,4'-DDD      | 5.798 | 6.888 | 94379472 | 1242.8E6 | 53.451 | 47.364  |
| 17)                         | MA 4,4'-DDT     | 6.029 | 7.188 | 91500120 | 1108.4E6 | 48.629 | 46.436  |
| 18)                         | B Endrin al...  | 6.094 | 7.102 | 87355140 | 1124.1E6 | 54.109 | 49.320  |
| 19)                         | B Endosulfa...  | 6.302 | 7.326 | 90844134 | 1176.8E6 | 46.377 | 43.594  |
| 20)                         | A Methoxychlor  | 6.576 | 7.647 | 46515898 | 562.9E6  | 48.672 | 46.240  |
| 21)                         | B Endrin ke...  | 6.778 | 7.798 | 112.3E6  | 1235.5E6 | 52.780 | 48.600m |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD011819\  
Data File : PD051096.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 18 Jan 2019 15:17  
Operator : AJ\SJ  
Sample : PB116483BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

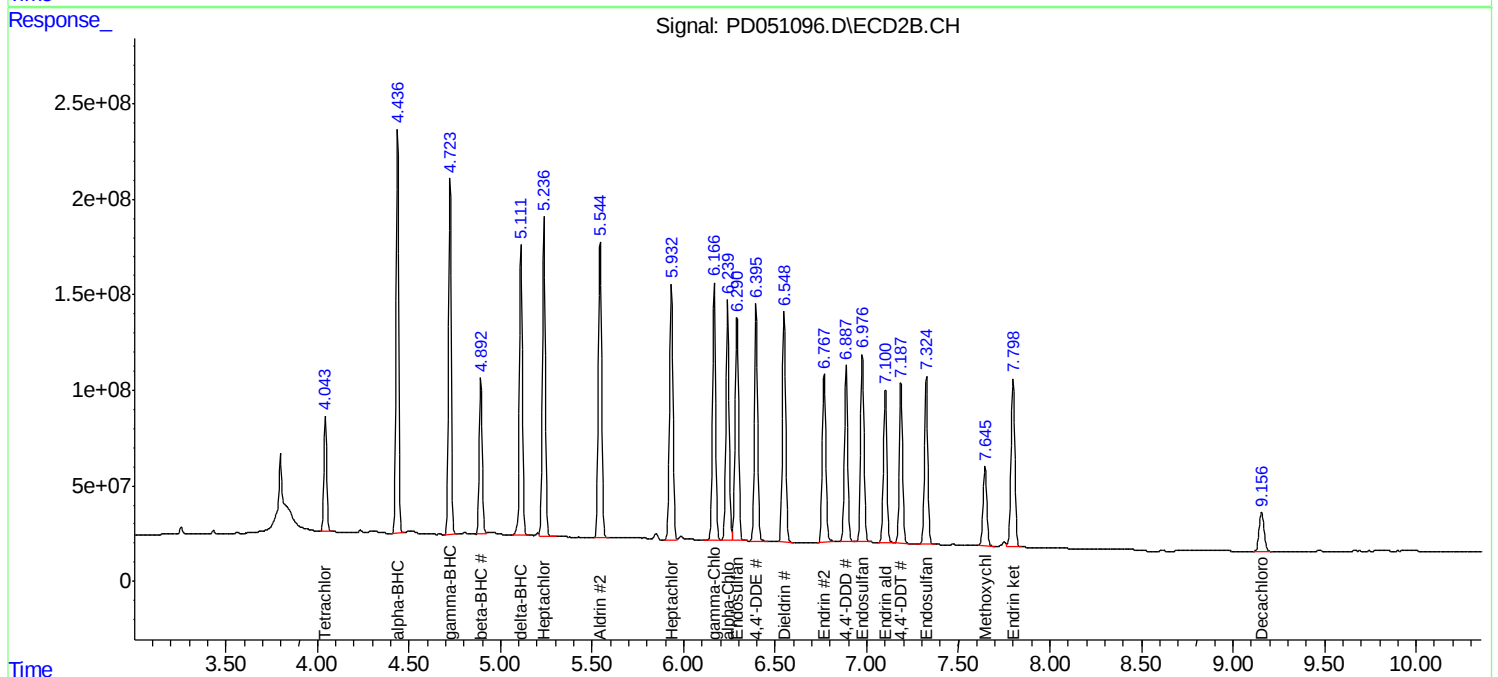
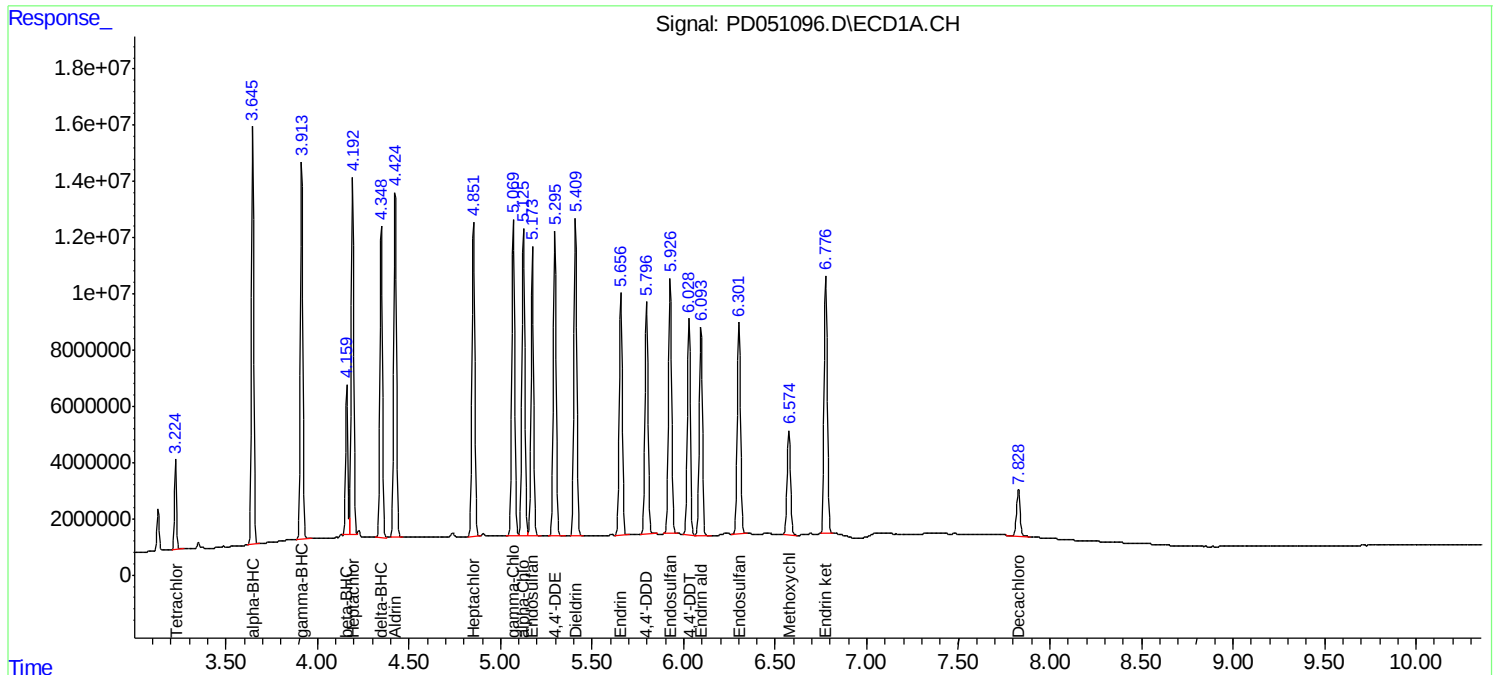
Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

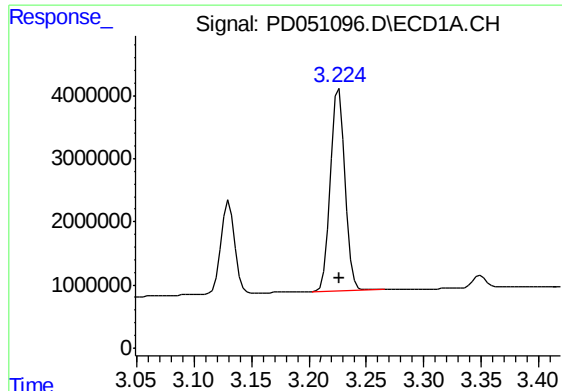
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 18 22:04:50 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD011019.M  
Quant Title : GC Extractables  
QLast Update : Thu Jan 10 03:41:46 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm





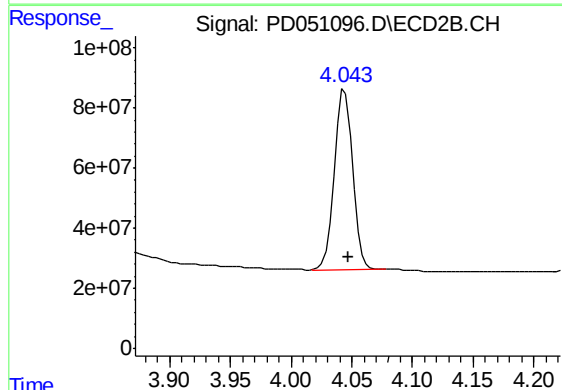
#1 Tetrachloro-m-xylene

R.T.: 3.226 min  
Delta R.T.: -0.001 min  
Response: 28288020  
Conc: 18.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

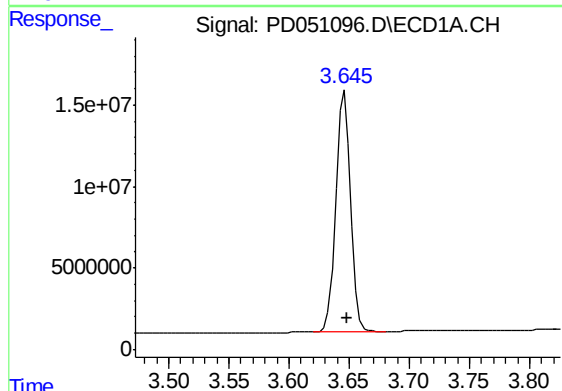
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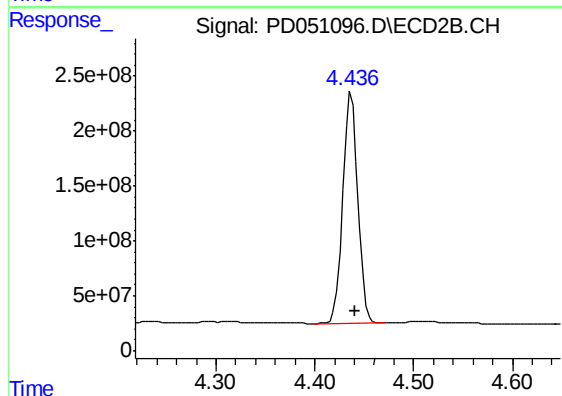
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: -0.003 min  
Response: 628741520  
Conc: 21.13 ng/ml



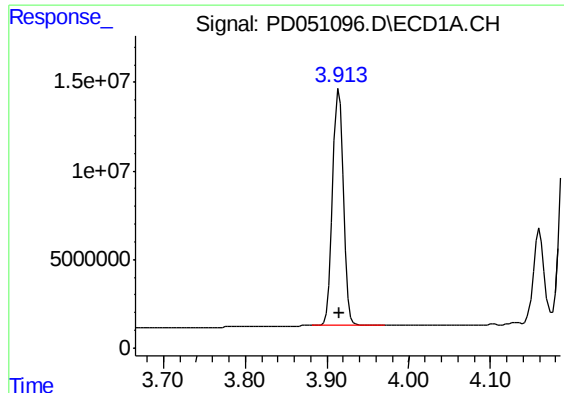
#2 alpha-BHC

R.T.: 3.646 min  
Delta R.T.: -0.002 min  
Response: 127790049  
Conc: 53.09 ng/ml



#2 alpha-BHC

R.T.: 4.437 min  
Delta R.T.: -0.003 min  
Response: 2227972727  
Conc: 48.89 ng/ml



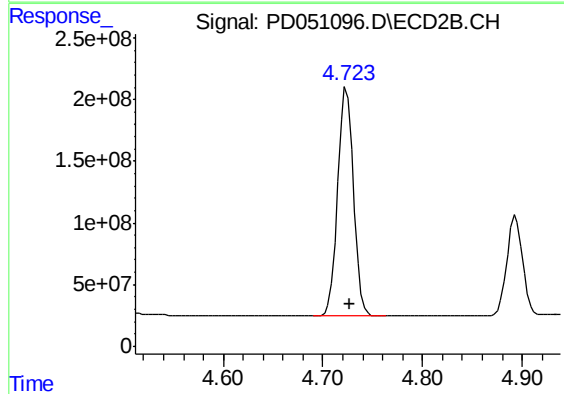
#3 gamma-BHC (Lindane)

R.T.: 3.915 min  
Delta R.T.: -0.001 min  
Response: 120924454  
Conc: 51.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

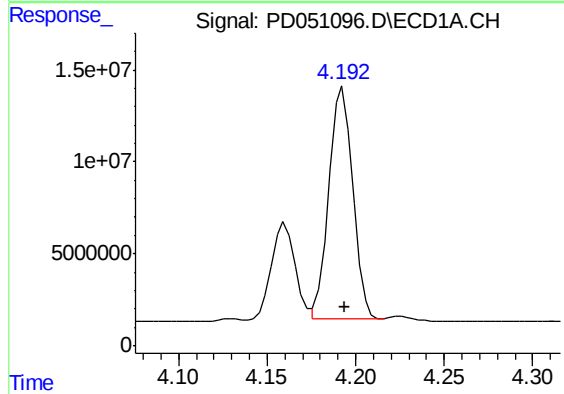
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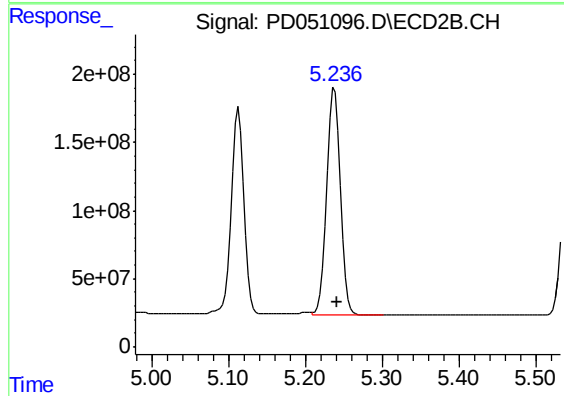
#3 gamma-BHC (Lindane)

R.T.: 4.724 min  
Delta R.T.: -0.003 min  
Response: 2034684958  
Conc: 48.95 ng/ml



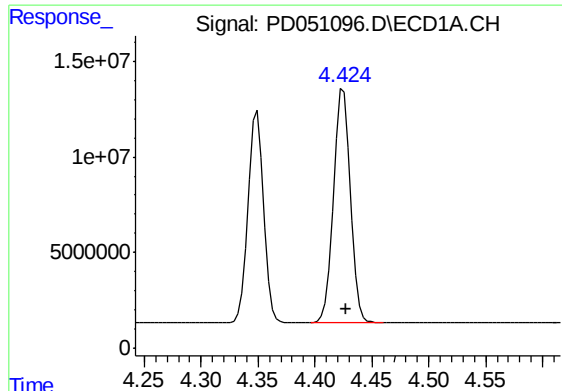
#4 Heptachlor

R.T.: 4.193 min  
Delta R.T.: -0.001 min  
Response: 119667619  
Conc: 49.96 ng/ml



#4 Heptachlor

R.T.: 5.238 min  
Delta R.T.: -0.003 min  
Response: 2062784597  
Conc: 50.56 ng/ml



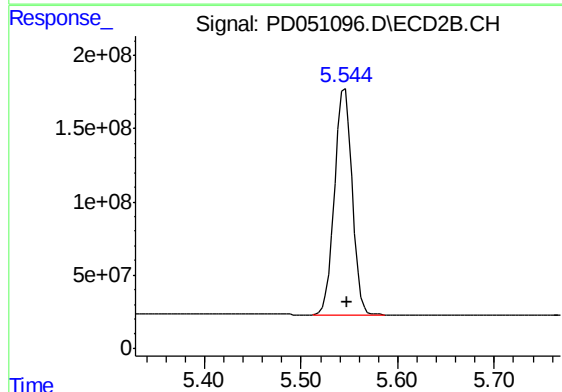
#5 Aldrin

R.T.: 4.425 min  
Delta R.T.: -0.002 min  
Response: 124013382  
Conc: 52.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

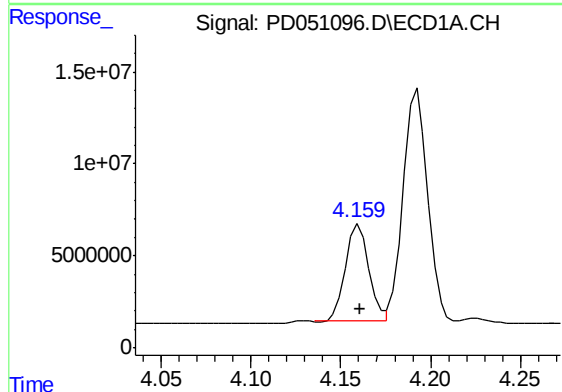
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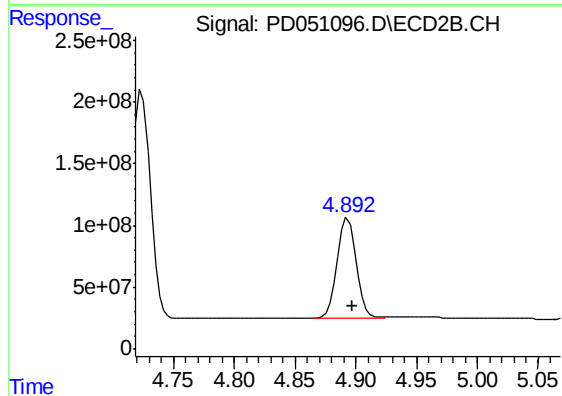
#5 Aldrin

R.T.: 5.545 min  
Delta R.T.: -0.003 min  
Response: 1903575392  
Conc: 48.63 ng/ml



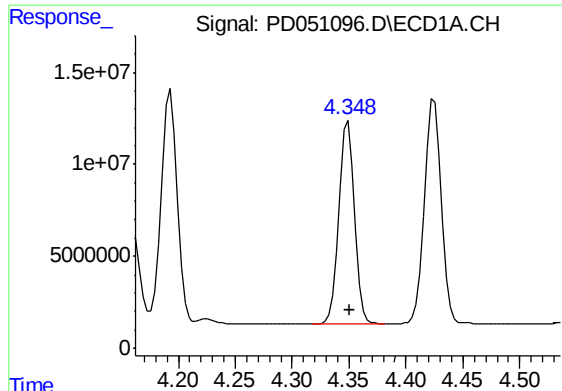
#6 beta-BHC

R.T.: 4.160 min  
Delta R.T.: 0.000 min  
Response: 47431223  
Conc: 50.09 ng/ml



#6 beta-BHC

R.T.: 4.894 min  
Delta R.T.: -0.003 min  
Response: 890186484  
Conc: 49.19 ng/ml



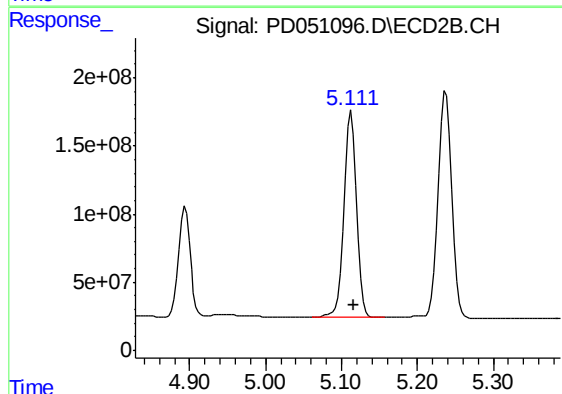
#7 delta-BHC

R.T.: 4.349 min  
Delta R.T.: -0.002 min  
Response: 103698157  
Conc: 46.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

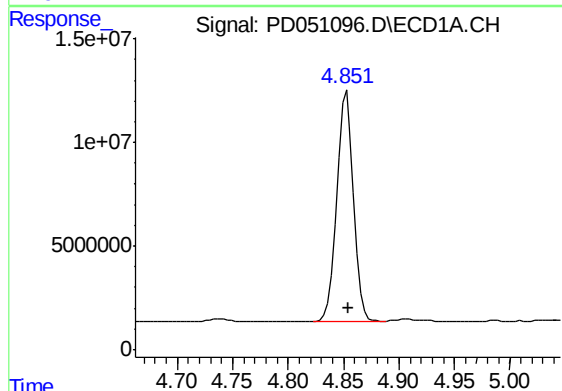
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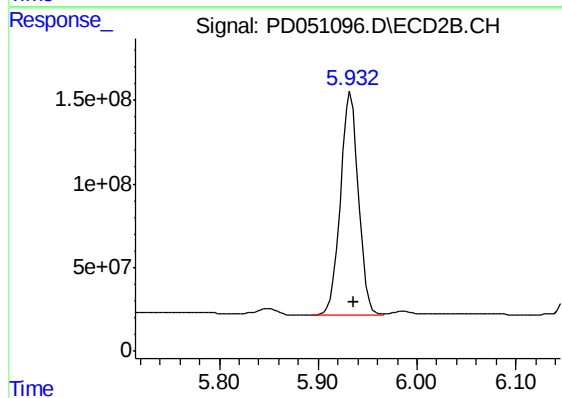
#7 delta-BHC

R.T.: 5.111 min  
Delta R.T.: -0.005 min  
Response: 1726518420  
Conc: 44.43 ng/ml m



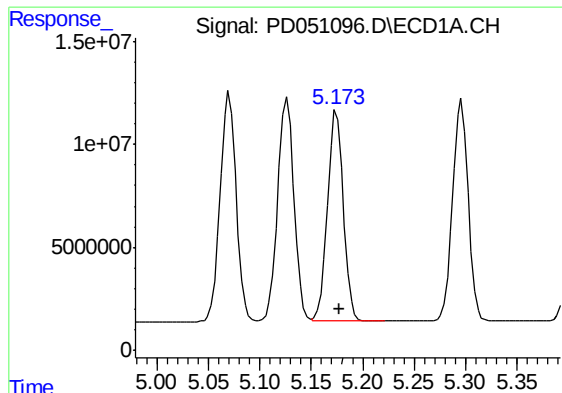
#8 Heptachlor epoxide

R.T.: 4.853 min  
Delta R.T.: -0.002 min  
Response: 117068265  
Conc: 52.09 ng/ml



#8 Heptachlor epoxide

R.T.: 5.932 min  
Delta R.T.: -0.005 min  
Response: 1682157068  
Conc: 48.24 ng/ml m



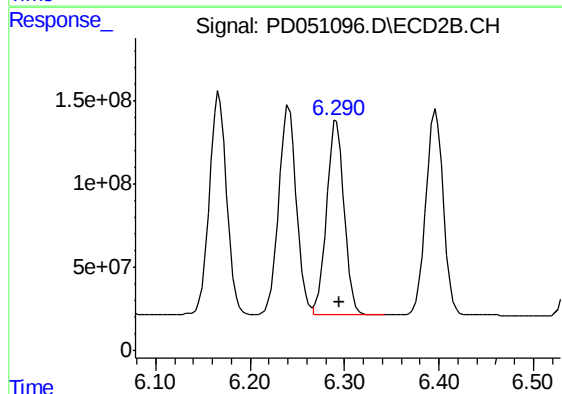
#9 Endosulfan I

R.T.: 5.175 min  
Delta R.T.: -0.002 min  
Response: 110685086  
Conc: 51.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

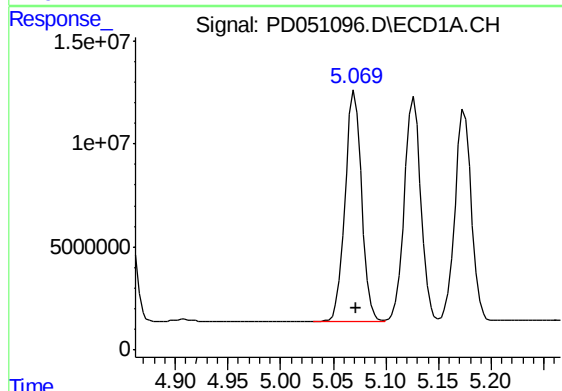
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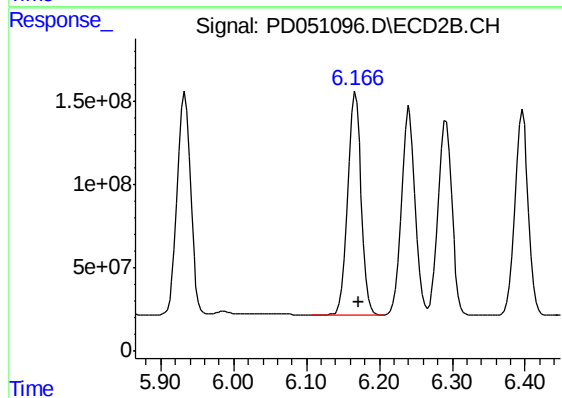
#9 Endosulfan I

R.T.: 6.291 min  
Delta R.T.: -0.004 min  
Response: 1521719261  
Conc: 48.36 ng/ml



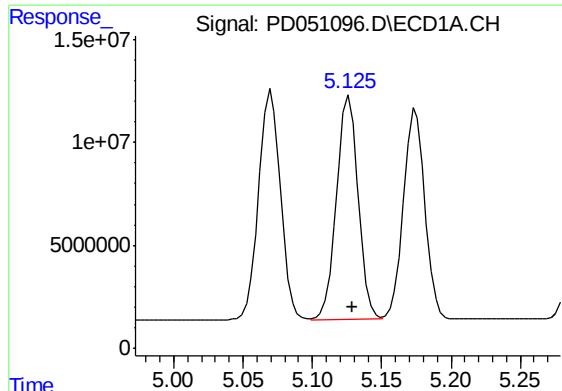
#10 gamma-Chlordane

R.T.: 5.070 min  
Delta R.T.: -0.002 min  
Response: 121041253  
Conc: 51.67 ng/ml



#10 gamma-Chlordane

R.T.: 6.167 min  
Delta R.T.: -0.004 min  
Response: 1710777810  
Conc: 49.26 ng/ml



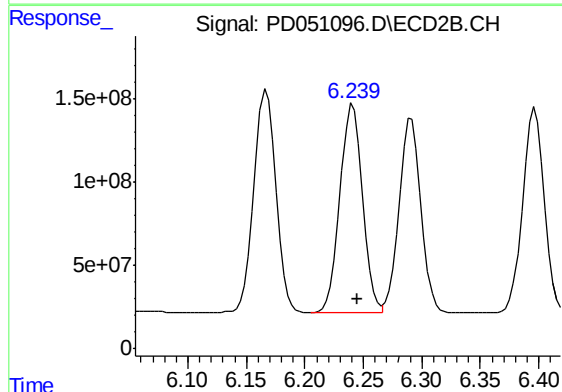
#11 alpha-Chlordane

R.T.: 5.127 min  
Delta R.T.: -0.003 min  
Response: 118649687  
Conc: 51.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

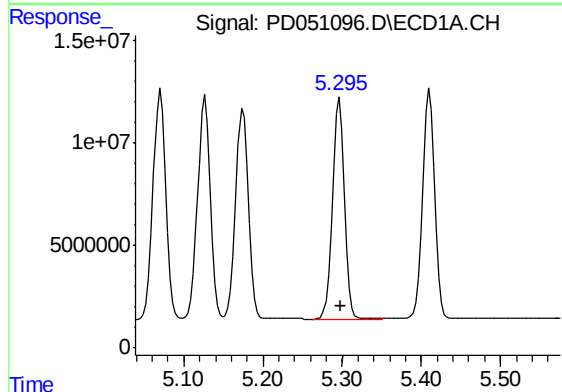
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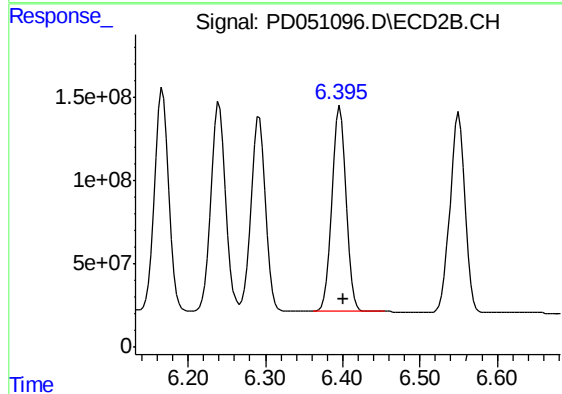
#11 alpha-Chlordane

R.T.: 6.241 min  
Delta R.T.: -0.004 min  
Response: 1646002068  
Conc: 48.56 ng/ml



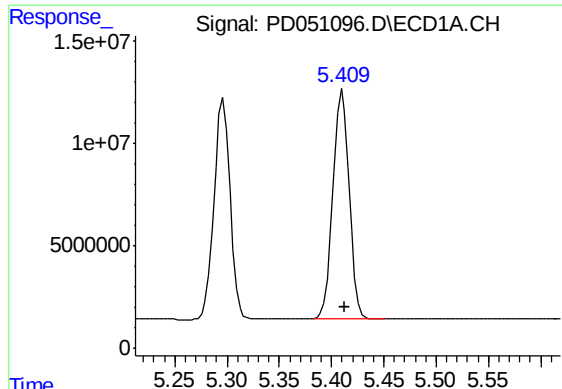
#12 4,4'-DDE

R.T.: 5.296 min  
Delta R.T.: -0.003 min  
Response: 114759957  
Conc: 53.17 ng/ml



#12 4,4'-DDE

R.T.: 6.397 min  
Delta R.T.: -0.004 min  
Response: 1582489617  
Conc: 48.00 ng/ml



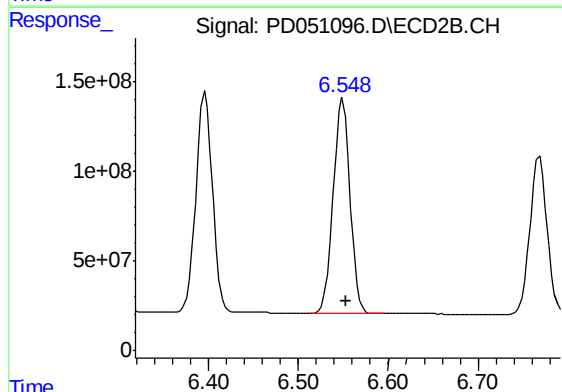
#13 Dieldrin

R.T.: 5.410 min  
Delta R.T.: -0.002 min  
Response: 121424259  
Conc: 51.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

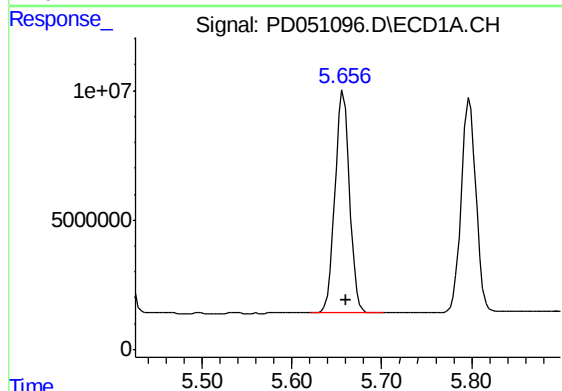
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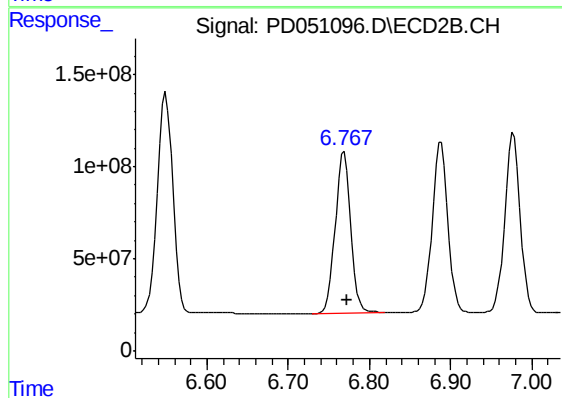
#13 Dieldrin

R.T.: 6.550 min  
Delta R.T.: -0.004 min  
Response: 1566951868  
Conc: 46.97 ng/ml



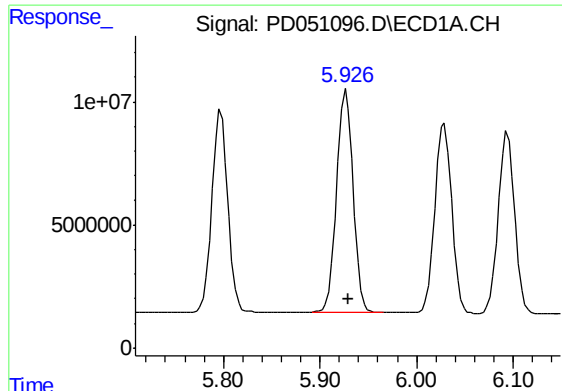
#14 Endrin

R.T.: 5.657 min  
Delta R.T.: -0.003 min  
Response: 96740532  
Conc: 44.17 ng/ml



#14 Endrin

R.T.: 6.769 min  
Delta R.T.: -0.004 min  
Response: 1167211090  
Conc: 41.44 ng/ml



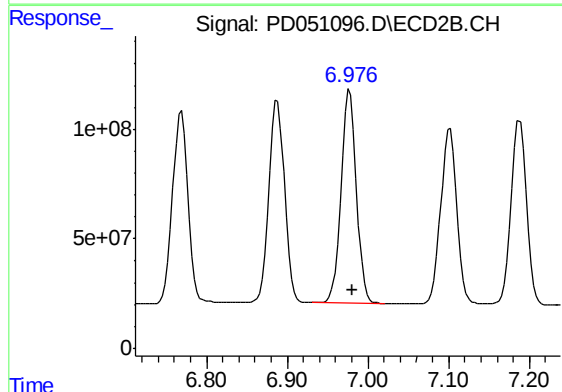
#15 Endosulfan II

R.T.: 5.927 min  
Delta R.T.: -0.003 min  
Response: 104254288  
Conc: 52.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

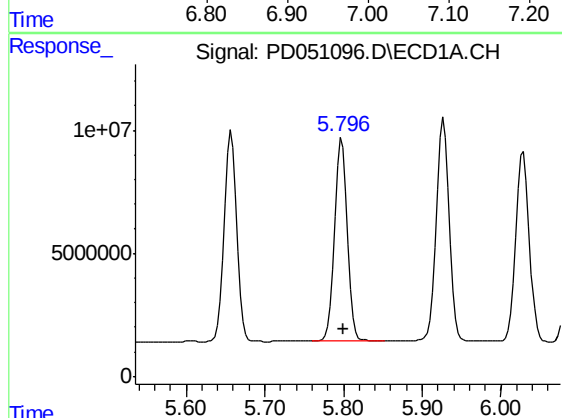
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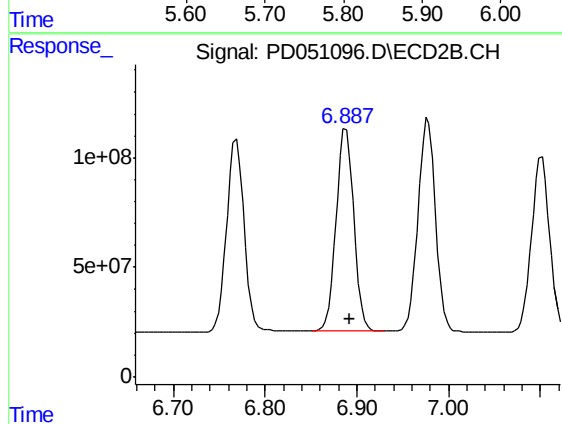
#15 Endosulfan II

R.T.: 6.976 min  
Delta R.T.: -0.005 min  
Response: 1298375967  
Conc: 47.43 ng/ml m



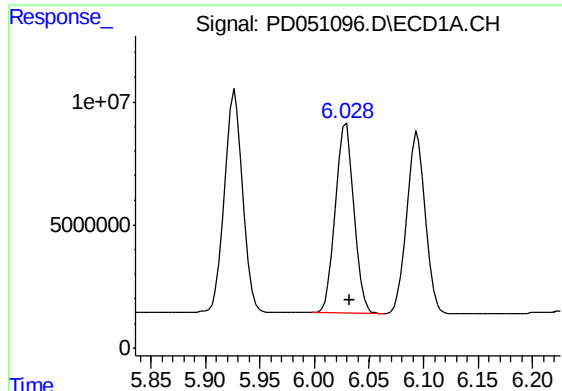
#16 4,4'-DDD

R.T.: 5.798 min  
Delta R.T.: -0.003 min  
Response: 94379472  
Conc: 53.45 ng/ml



#16 4,4'-DDD

R.T.: 6.888 min  
Delta R.T.: -0.004 min  
Response: 1242807669  
Conc: 47.36 ng/ml



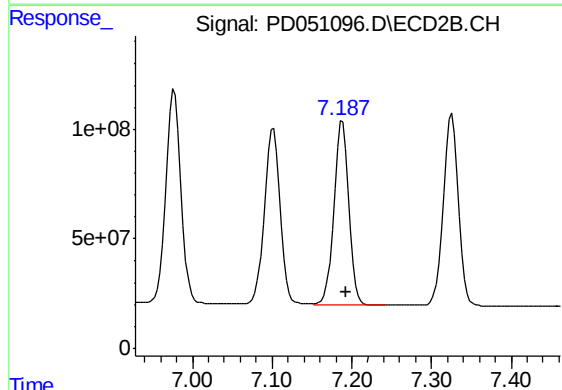
#17 4,4'-DDT

R.T.: 6.029 min  
Delta R.T.: -0.003 min  
Response: 91500120  
Conc: 48.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

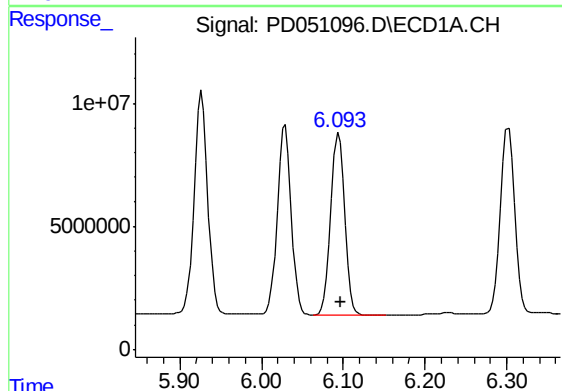
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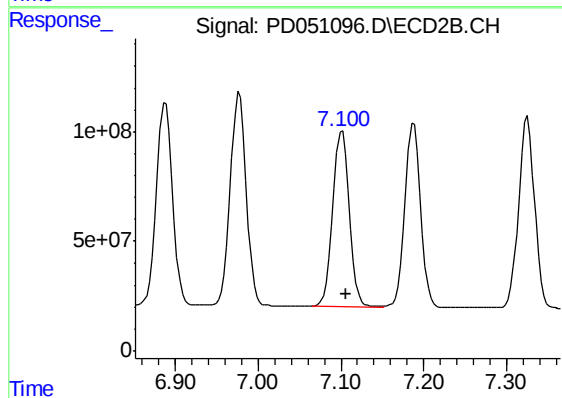
#17 4,4'-DDT

R.T.: 7.188 min  
Delta R.T.: -0.004 min  
Response: 1108365654  
Conc: 46.44 ng/ml



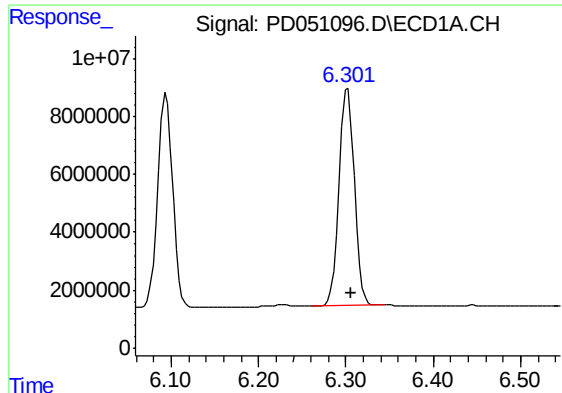
#18 Endrin aldehyde

R.T.: 6.094 min  
Delta R.T.: -0.003 min  
Response: 87355140  
Conc: 54.11 ng/ml



#18 Endrin aldehyde

R.T.: 7.102 min  
Delta R.T.: -0.004 min  
Response: 1124080083  
Conc: 49.32 ng/ml



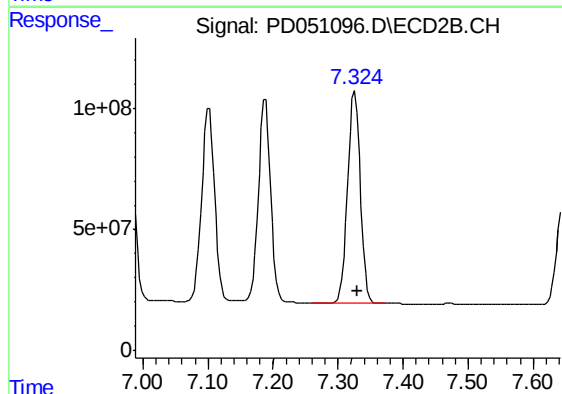
#19 Endosulfan Sulfate

R.T.: 6.302 min  
Delta R.T.: -0.003 min  
Response: 90844134  
Conc: 46.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

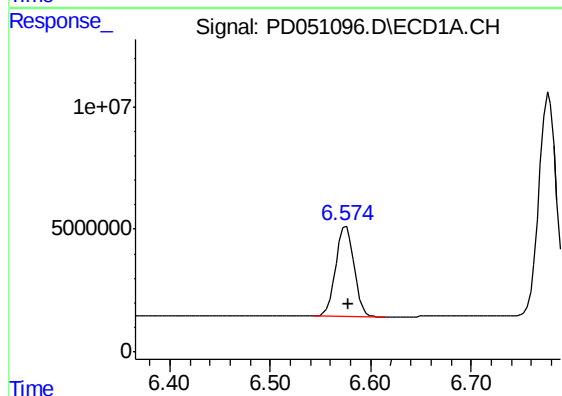
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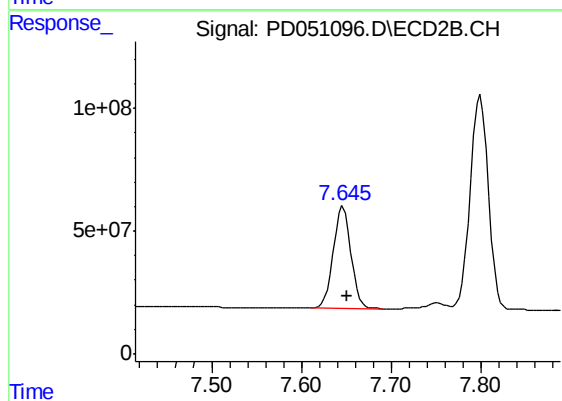
#19 Endosulfan Sulfate

R.T.: 7.326 min  
Delta R.T.: -0.004 min  
Response: 1176812592  
Conc: 43.59 ng/ml



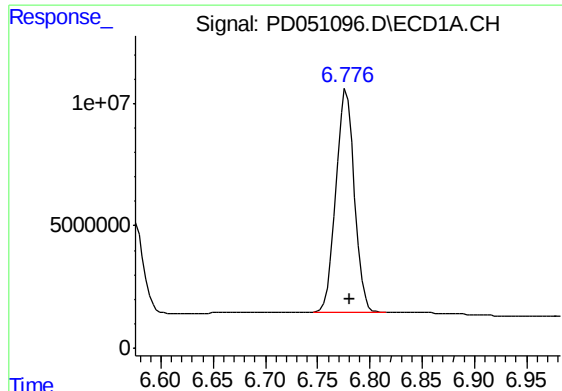
#20 Methoxychlor

R.T.: 6.576 min  
Delta R.T.: -0.002 min  
Response: 46515898  
Conc: 48.67 ng/ml



#20 Methoxychlor

R.T.: 7.647 min  
Delta R.T.: -0.004 min  
Response: 562894600  
Conc: 46.24 ng/ml



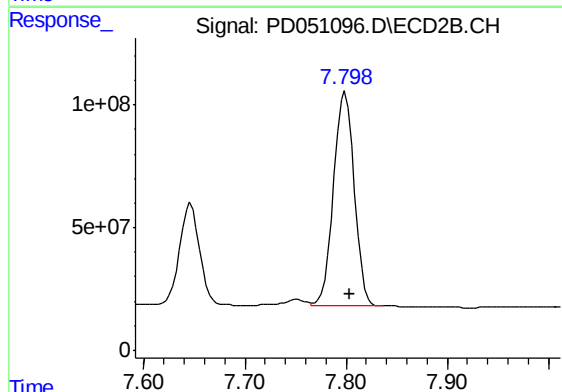
#21 Endrin ketone

R.T.: 6.778 min  
Delta R.T.: -0.003 min  
Response: 112339921  
Conc: 52.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB116483BS

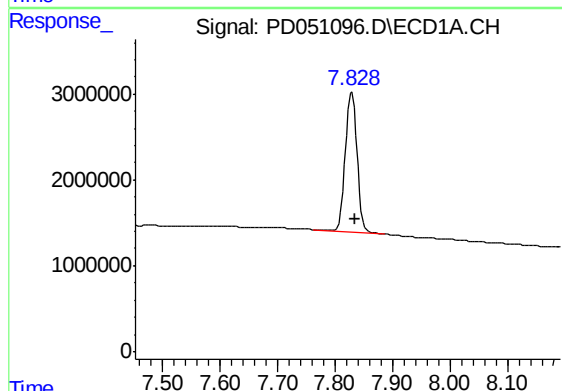
Manual Integrations  
APPROVED

Sohil  
1/21/2019 9:59:42 AM



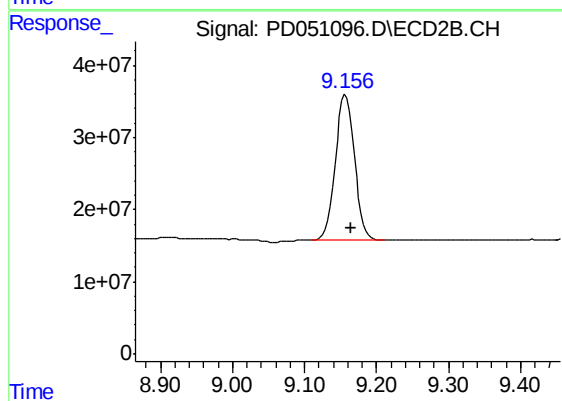
#21 Endrin ketone

R.T.: 7.798 min  
Delta R.T.: -0.006 min  
Response: 1235509417  
Conc: 48.60 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.829 min  
Delta R.T.: -0.005 min  
Response: 23452911  
Conc: 19.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.157 min  
Delta R.T.: -0.007 min  
Response: 371737378  
Conc: 18.63 ng/ml