

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092520\  
 Data File : PL061820.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 25 Sep 2020 16:18  
 Operator : DD\AJ  
 Sample : L4155-01MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 FK-GF-02-061-AMSD

Manual Integrations  
 APPROVED

Ankita  
 9/28/2020 4:20:54 PM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 26 00:48:08 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092320.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 23 13:58:40 2020  
 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... | 3.458 | 4.007 | 36856930 | 54534359 | 21.605  | 19.989    |
| 28)                         | SA Decachlor... | 8.208 | 9.092 | 29559560 | 38040059 | 18.171  | 17.280    |
| Target Compounds            |                 |       |       |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.894 | 4.396 | 133.8E6  | 222.5E6  | 54.878  | 55.711    |
| 3)                          | MA gamma-BHC... | 4.177 | 4.681 | 124.0E6  | 196.9E6  | 56.680  | 53.185    |
| 4)                          | MA Heptachlor   | 4.478 | 5.192 | 138.7E6  | 238.9E6  | 67.984  | 68.988    |
| 5)                          | MB Aldrin       | 4.726 | 5.497 | 100.3E6  | 200.4E6  | 55.606  | 61.864    |
| 6)                          | B beta-BHC      | 4.428 | 4.853 | 49491200 | 75638897 | 54.188  | 50.093    |
| 7)                          | B delta-BHC     | 4.632 | 5.070 | 122.0E6  | 146.2E6  | 59.525  | 57.383    |
| 8)                          | B Heptachlo...  | 5.169 | 5.883 | 98181096 | 245.6E6  | 56.236  | 99.104 #  |
| 9)                          | A Endosulfan I  | 5.507 | 6.244 | 100.8E6  | 143.1E6  | 62.182  | 51.794    |
| 10)                         | B gamma-Chl...  | 5.396 | 6.121 | 393.9E6  | 727.5E6  | 226.823 | 247.724   |
| 11)                         | B alpha-Chl...  | 5.454 | 6.195 | 353.8E6  | 819.0E6  | 203.698 | 272.669 # |
| 12)                         | B 4,4'-DDE      | 5.618 | 6.351 | 85485840 | 148.6E6  | 54.392  | 54.450    |
| 13)                         | MA Dieldrin     | 5.750 | 6.501 | 100.1E6  | 146.1E6  | 59.512  | 51.486    |
| 14)                         | MA Endrin       | 6.006 | 6.720 | 96443430 | 119.8E6  | 60.610  | 49.112    |
| 15)                         | B Endosulfa...  | 6.283 | 6.930 | 164.6E6  | 134.1E6  | 101.834 | 51.883 #  |
| 16)                         | A 4,4'-DDD      | 6.132 | 6.843 | 76783740 | 121.0E6  | 57.993m | 54.432    |
| 17)                         | MA 4,4'-DDT     | 6.375 | 7.143 | 80090502 | 122.8E6  | 63.489  | 56.078    |
| 18)                         | B Endrin al...  | 6.447 | 7.054 | 66887551 | 108.8E6  | 47.566  | 50.822    |
| 19)                         | B Endosulfa...  | 6.660 | 7.278 | 76354735 | 119.9E6  | 49.355  | 51.223    |
| 20)                         | A Methoxychlor  | 6.920 | 7.603 | 39882903 | 63461767 | 49.328  | 50.367    |
| 21)                         | B Endrin ke...  | 7.149 | 7.749 | 84734244 | 119.1E6  | 49.581  | 50.732    |
| 22)                         | Mirex           | 7.339 | 8.205 | 64068316 | 86442510 | 45.701  | 49.061    |
| -----                       |                 |       |       |          |          |         |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092520\  
Data File : PL061820.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 25 Sep 2020 16:18  
Operator : DD\AJ  
Sample : L4155-01MSD  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

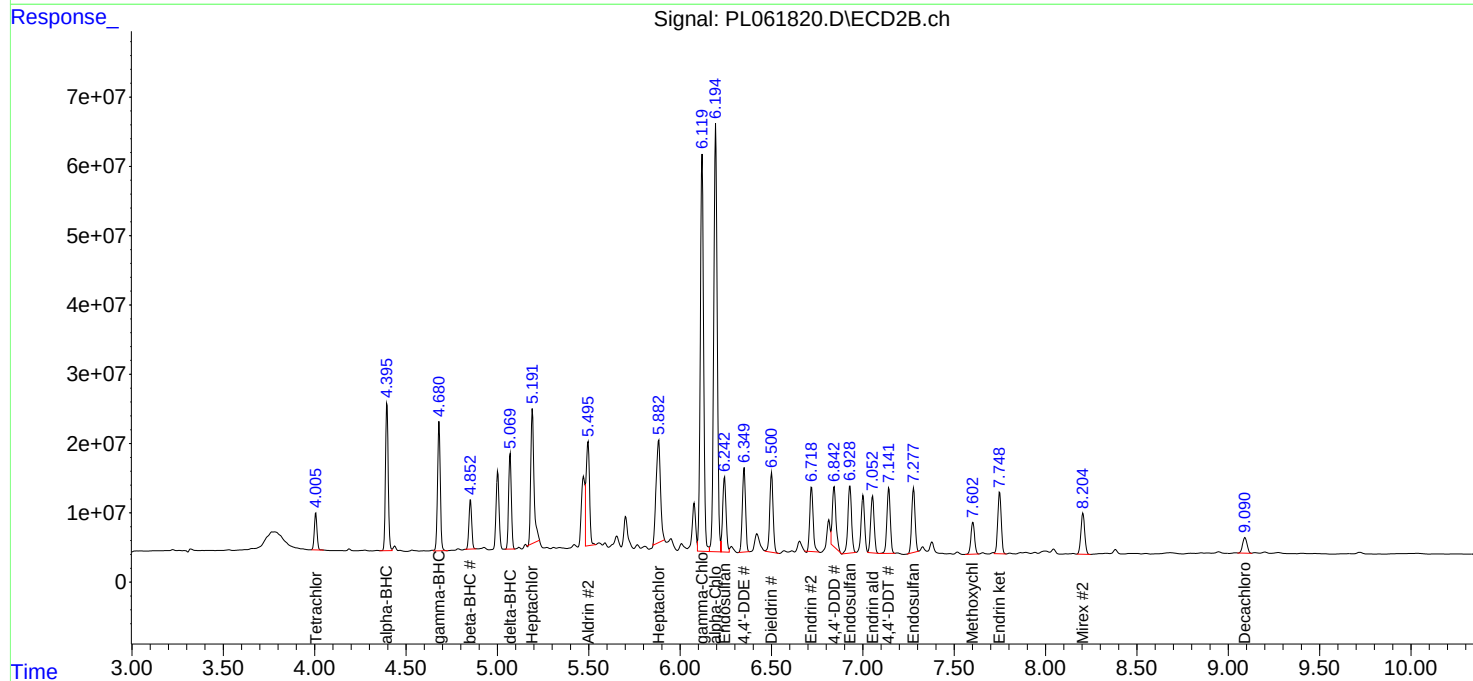
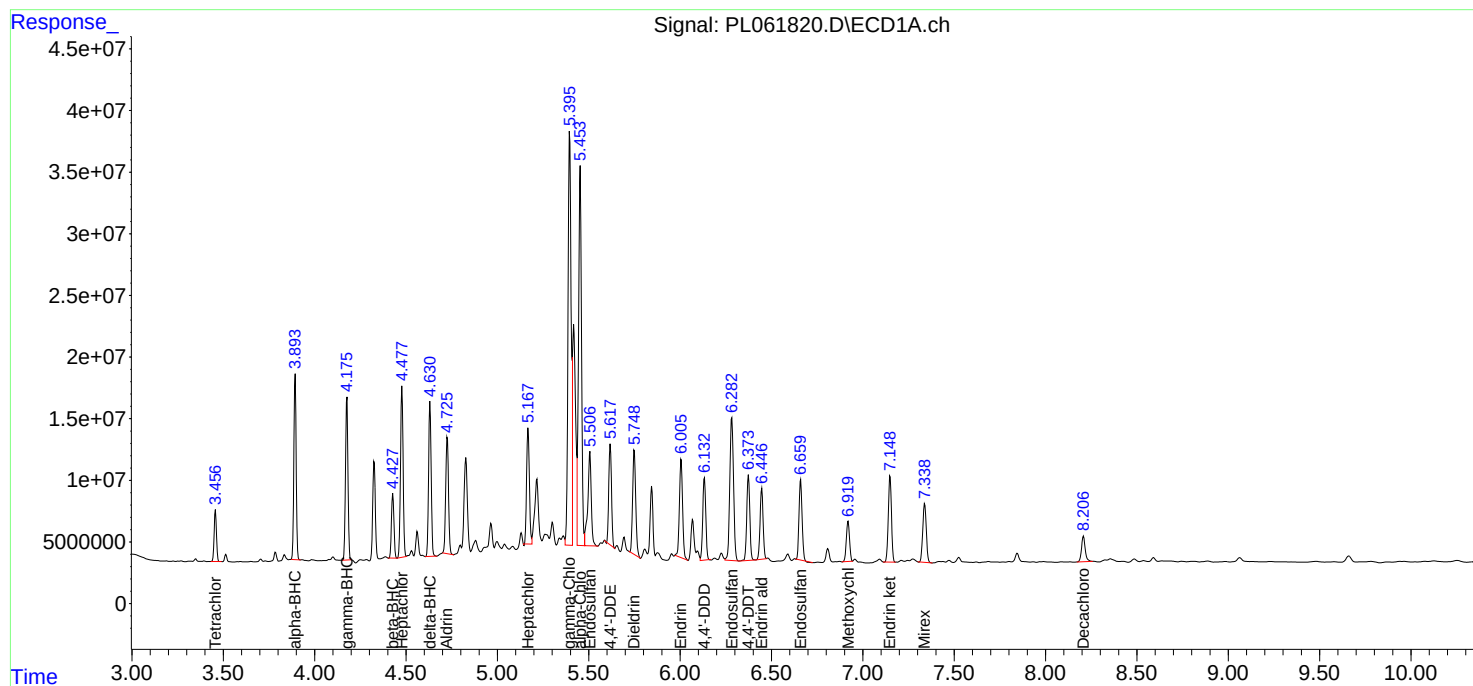
Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

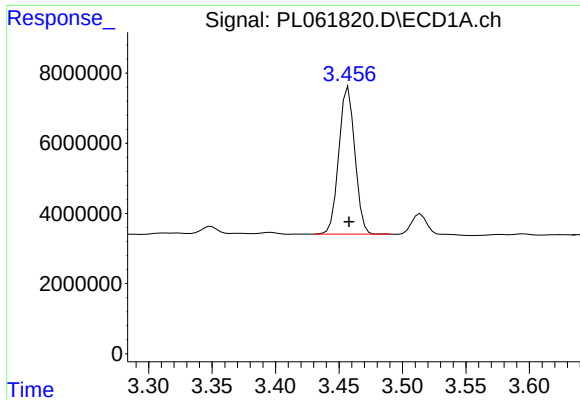
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 26 00:48:08 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092320.M  
Quant Title : GC Extractables  
QLast Update : Wed Sep 23 13:58:40 2020  
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





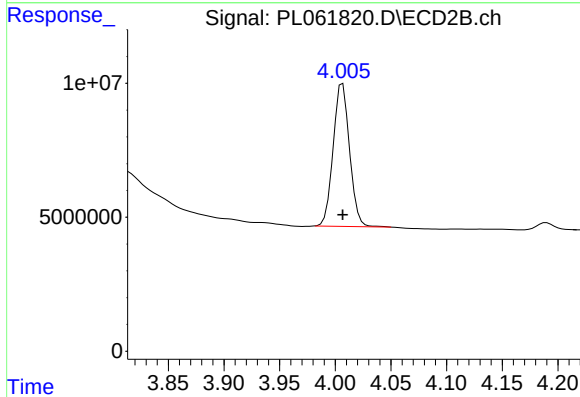
#1 Tetrachloro-m-xylene

R.T.: 3.458 min  
Delta R.T.: 0.000 min  
Response: 36856930  
Conc: 21.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

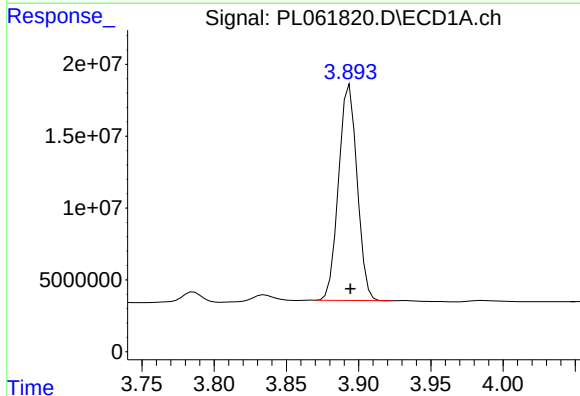
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



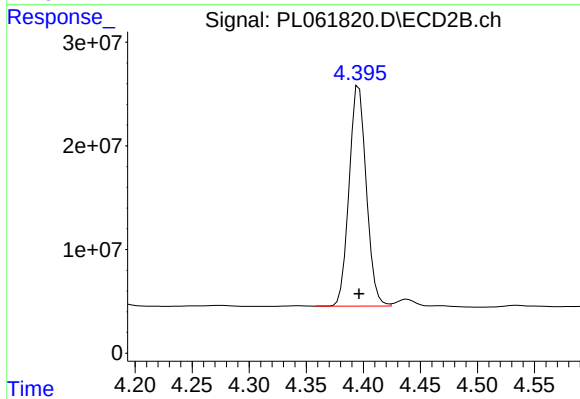
#1 Tetrachloro-m-xylene

R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 54534359  
Conc: 19.99 ng/ml



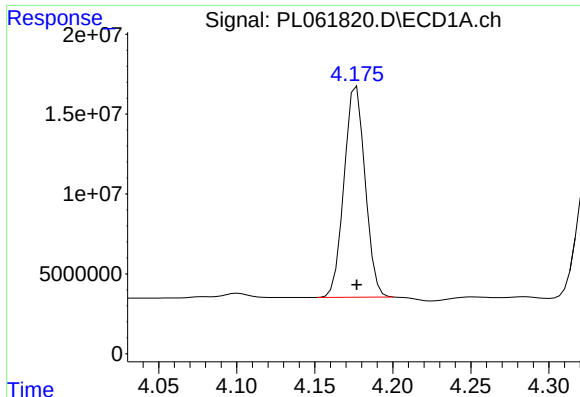
#2 alpha-BHC

R.T.: 3.894 min  
Delta R.T.: 0.000 min  
Response: 133761383  
Conc: 54.88 ng/ml



#2 alpha-BHC

R.T.: 4.396 min  
Delta R.T.: 0.000 min  
Response: 222526752  
Conc: 55.71 ng/ml



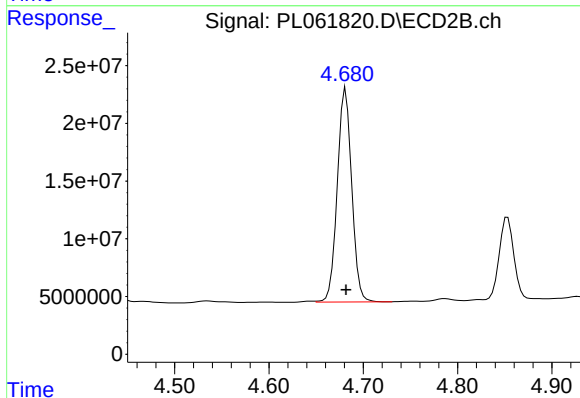
#3 gamma-BHC (Lindane)

R.T.: 4.177 min  
Delta R.T.: 0.000 min  
Response: 123972049  
Conc: 56.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

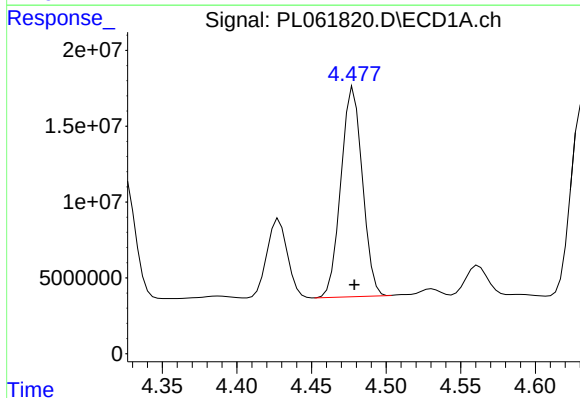
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



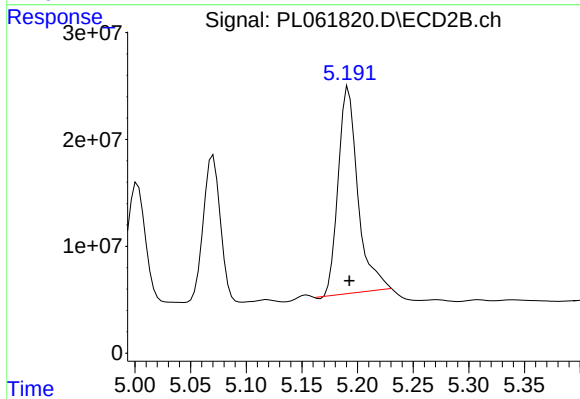
#3 gamma-BHC (Lindane)

R.T.: 4.681 min  
Delta R.T.: 0.000 min  
Response: 196887042  
Conc: 53.19 ng/ml



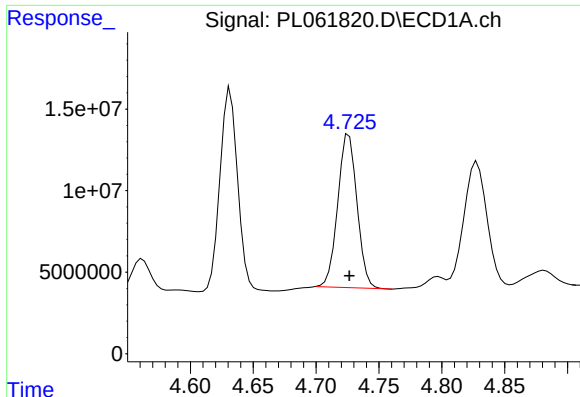
#4 Heptachlor

R.T.: 4.478 min  
Delta R.T.: 0.000 min  
Response: 138731953  
Conc: 67.98 ng/ml



#4 Heptachlor

R.T.: 5.192 min  
Delta R.T.: 0.000 min  
Response: 238897843  
Conc: 68.99 ng/ml



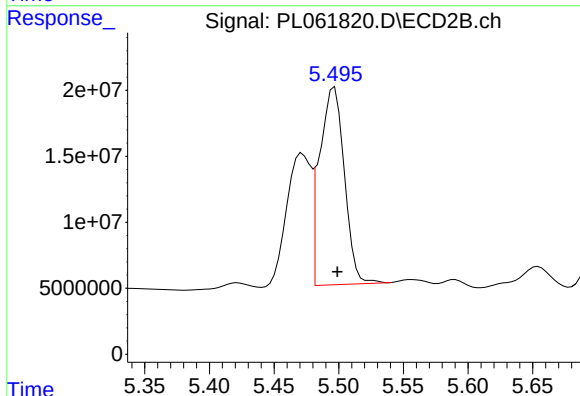
#5 Aldrin

R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 100330383  
Conc: 55.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

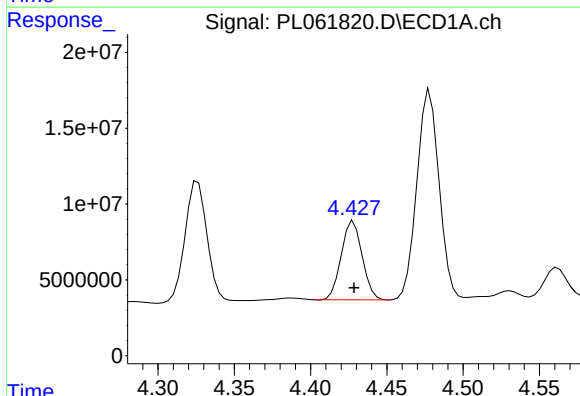
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



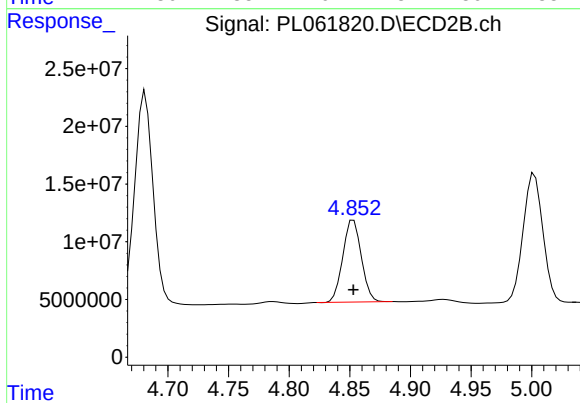
#5 Aldrin

R.T.: 5.497 min  
Delta R.T.: -0.002 min  
Response: 200408536  
Conc: 61.86 ng/ml



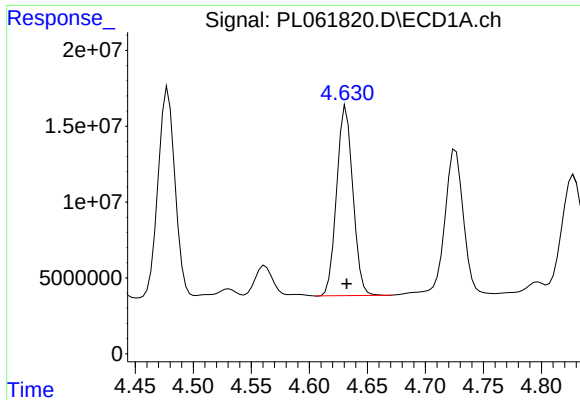
#6 beta-BHC

R.T.: 4.428 min  
Delta R.T.: 0.000 min  
Response: 49491200  
Conc: 54.19 ng/ml



#6 beta-BHC

R.T.: 4.853 min  
Delta R.T.: 0.000 min  
Response: 75638897  
Conc: 50.09 ng/ml



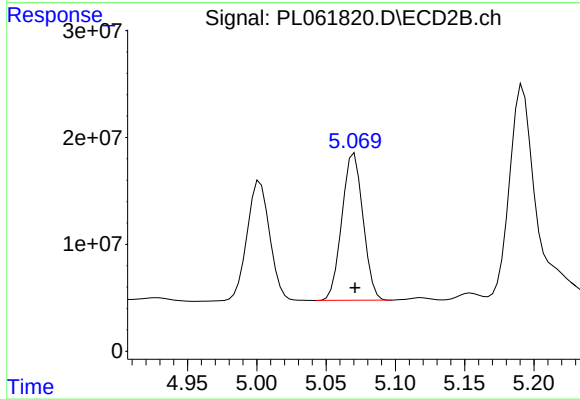
#7 delta-BHC

R.T.: 4.632 min  
Delta R.T.: 0.000 min  
Response: 122038947  
Conc: 59.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

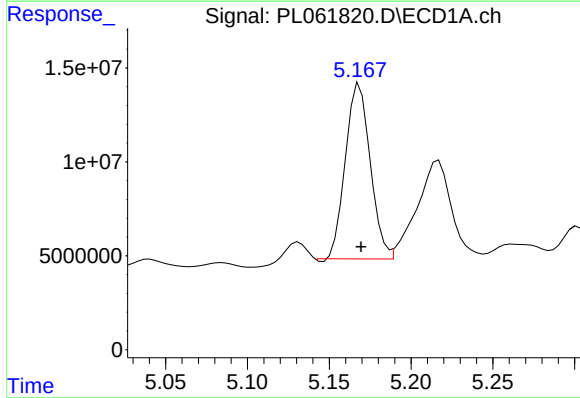
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



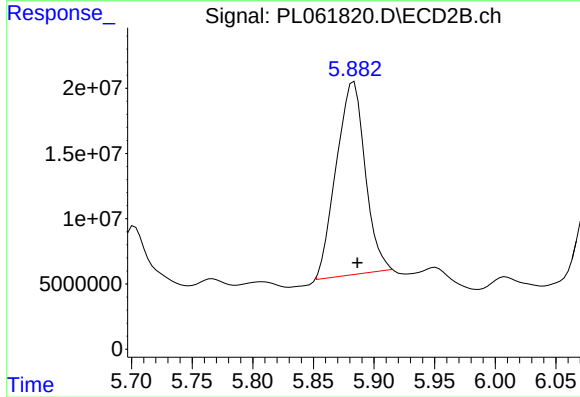
#7 delta-BHC

R.T.: 5.070 min  
Delta R.T.: 0.000 min  
Response: 146217168  
Conc: 57.38 ng/ml



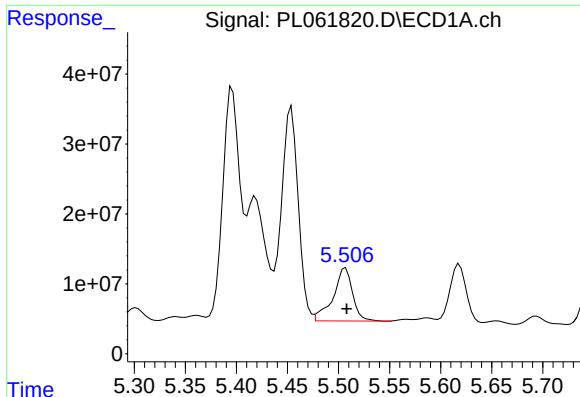
#8 Heptachlor epoxide

R.T.: 5.169 min  
Delta R.T.: 0.000 min  
Response: 98181096  
Conc: 56.24 ng/ml



#8 Heptachlor epoxide

R.T.: 5.883 min  
Delta R.T.: -0.003 min  
Response: 245616074  
Conc: 99.10 ng/ml



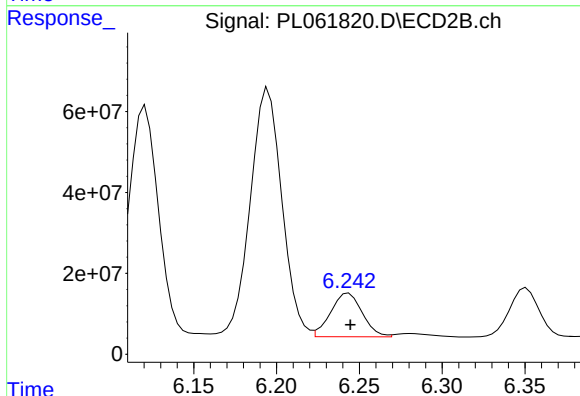
#9 Endosulfan I

R.T.: 5.507 min  
Delta R.T.: -0.001 min  
Response: 100762129  
Conc: 62.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

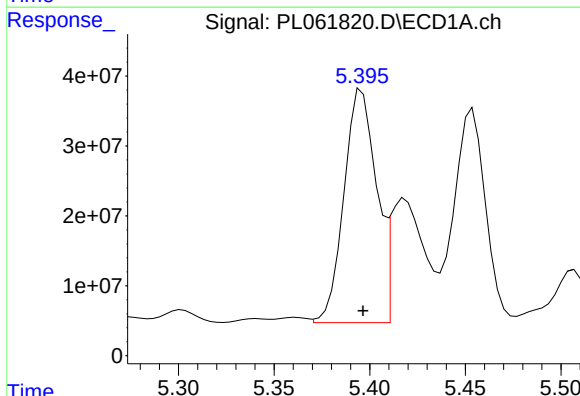
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



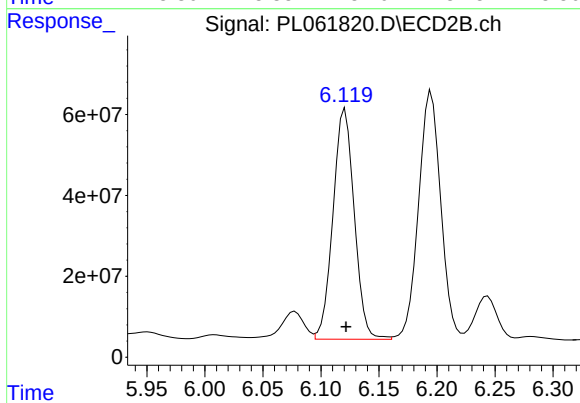
#9 Endosulfan I

R.T.: 6.244 min  
Delta R.T.: -0.001 min  
Response: 143082677  
Conc: 51.79 ng/ml



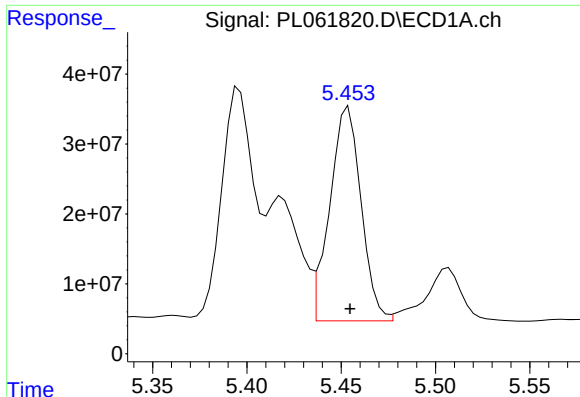
#10 gamma-Chlordane

R.T.: 5.396 min  
Delta R.T.: 0.000 min  
Response: 393916165  
Conc: 226.82 ng/ml



#10 gamma-Chlordane

R.T.: 6.121 min  
Delta R.T.: 0.000 min  
Response: 727475011  
Conc: 247.72 ng/ml



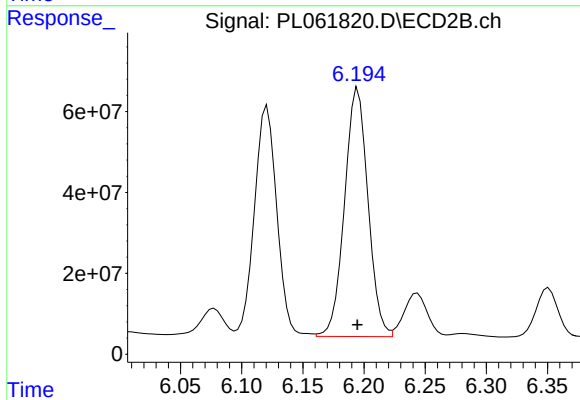
#11 alpha-Chlordane

R.T.: 5.454 min  
Delta R.T.: 0.000 min  
Response: 353835457  
Conc: 203.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

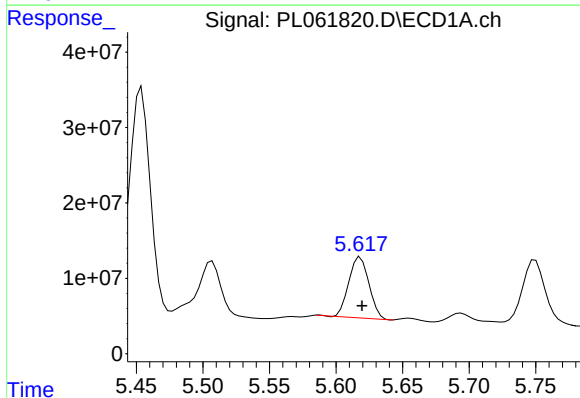
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



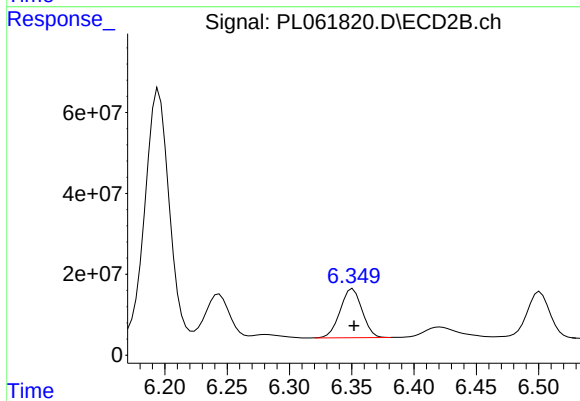
#11 alpha-Chlordane

R.T.: 6.195 min  
Delta R.T.: 0.000 min  
Response: 818970603  
Conc: 272.67 ng/ml



#12 4,4'-DDE

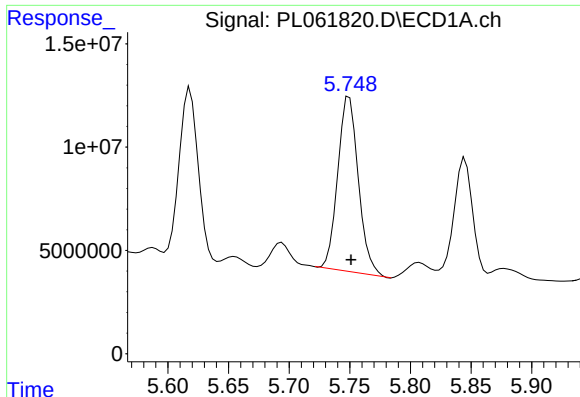
R.T.: 5.618 min  
Delta R.T.: -0.001 min  
Response: 85485840  
Conc: 54.39 ng/ml



#12 4,4'-DDE

R.T.: 6.351 min  
Delta R.T.: -0.001 min  
Response: 148638357  
Conc: 54.45 ng/ml





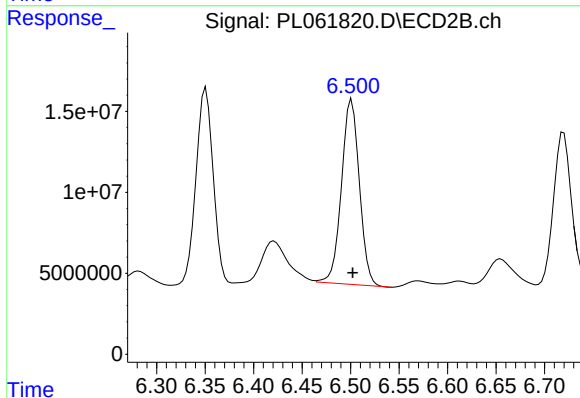
#13 Dieldrin

R.T.: 5.750 min  
Delta R.T.: -0.001 min  
Response: 100092765  
Conc: 59.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

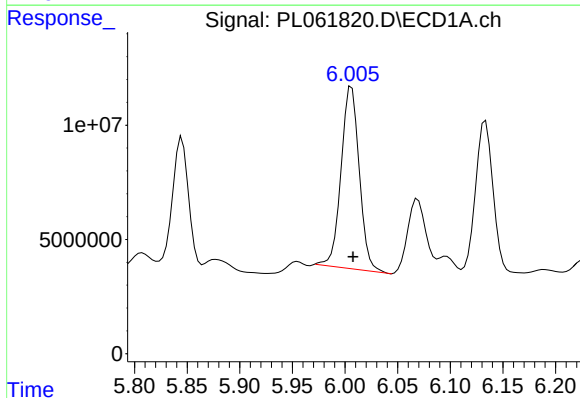
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



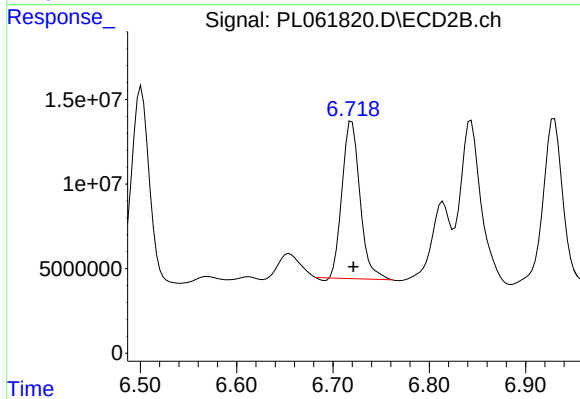
#13 Dieldrin

R.T.: 6.501 min  
Delta R.T.: -0.001 min  
Response: 146062235  
Conc: 51.49 ng/ml



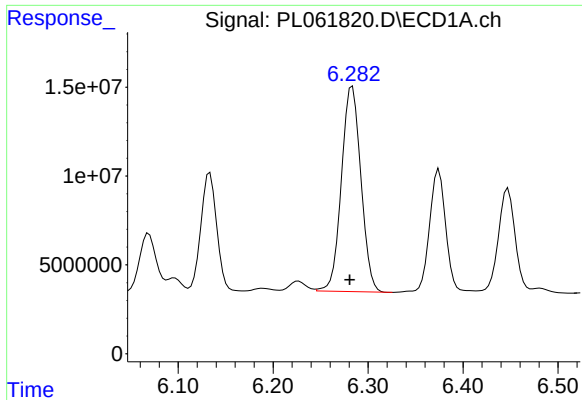
#14 Endrin

R.T.: 6.006 min  
Delta R.T.: -0.002 min  
Response: 96443430  
Conc: 60.61 ng/ml



#14 Endrin

R.T.: 6.720 min  
Delta R.T.: -0.002 min  
Response: 119814020  
Conc: 49.11 ng/ml



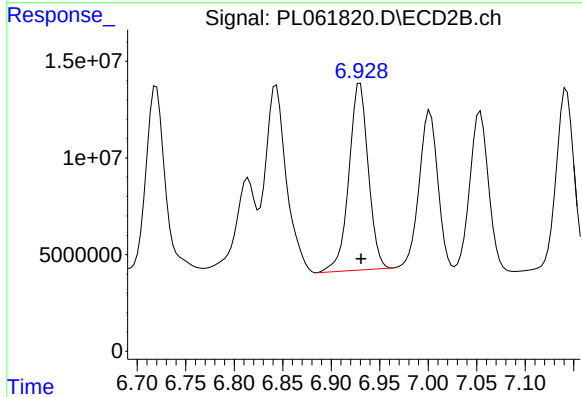
#15 Endosulfan II

R.T.: 6.283 min  
Delta R.T.: 0.003 min  
Response: 164646975  
Conc: 101.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

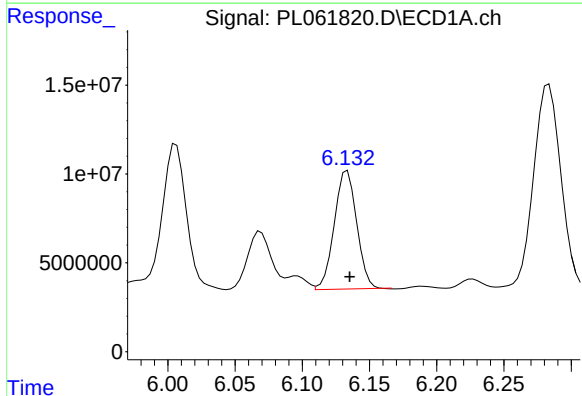
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



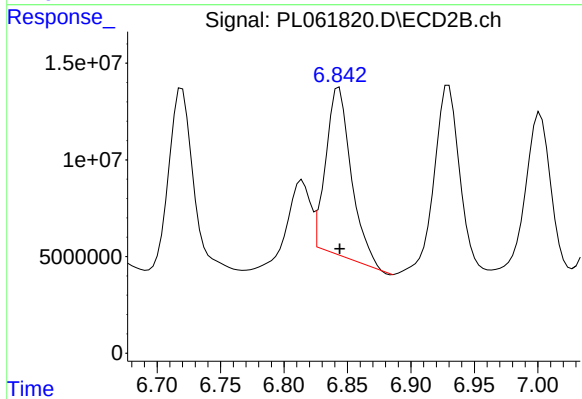
#15 Endosulfan II

R.T.: 6.930 min  
Delta R.T.: 0.000 min  
Response: 134102659  
Conc: 51.88 ng/ml



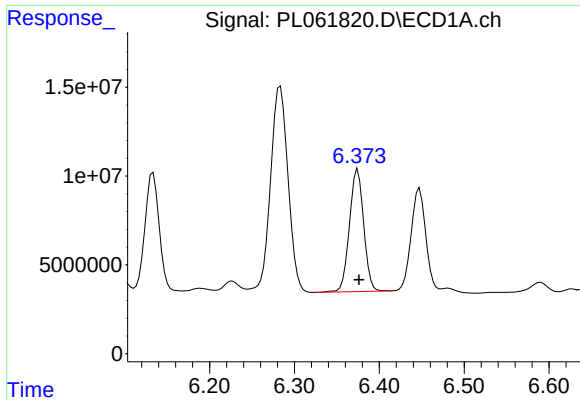
#16 4,4'-DDD

R.T.: 6.132 min  
Delta R.T.: -0.003 min  
Response: 76783740  
Conc: 57.99 ng/ml m



#16 4,4'-DDD

R.T.: 6.843 min  
Delta R.T.: 0.000 min  
Response: 121006622  
Conc: 54.43 ng/ml



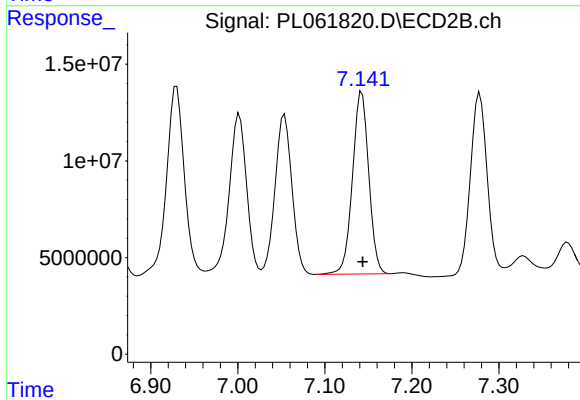
#17 4,4'-DDT

R.T.: 6.375 min  
Delta R.T.: -0.002 min  
Response: 80090502  
Conc: 63.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

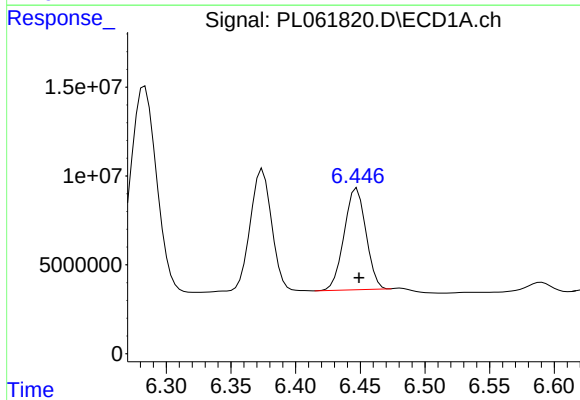
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



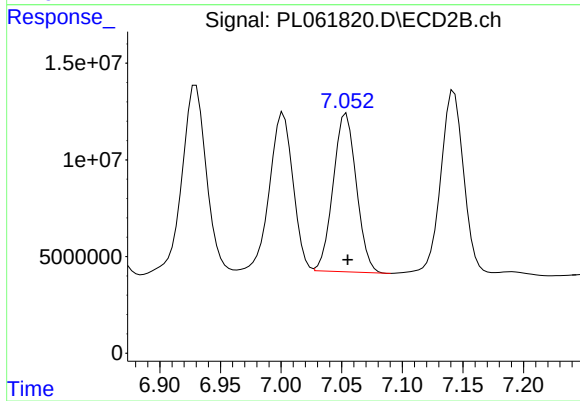
#17 4,4'-DDT

R.T.: 7.143 min  
Delta R.T.: -0.001 min  
Response: 122800223  
Conc: 56.08 ng/ml



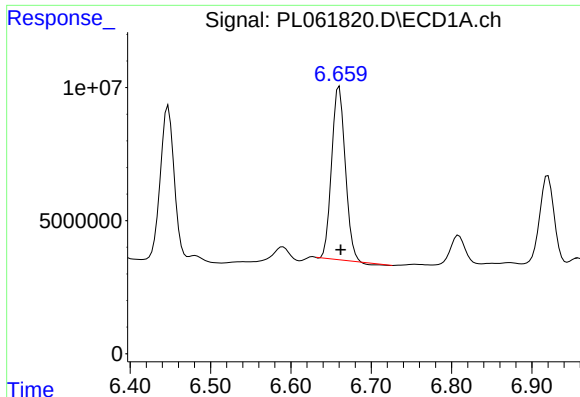
#18 Endrin aldehyde

R.T.: 6.447 min  
Delta R.T.: -0.002 min  
Response: 66887551  
Conc: 47.57 ng/ml



#18 Endrin aldehyde

R.T.: 7.054 min  
Delta R.T.: -0.001 min  
Response: 108783420  
Conc: 50.82 ng/ml



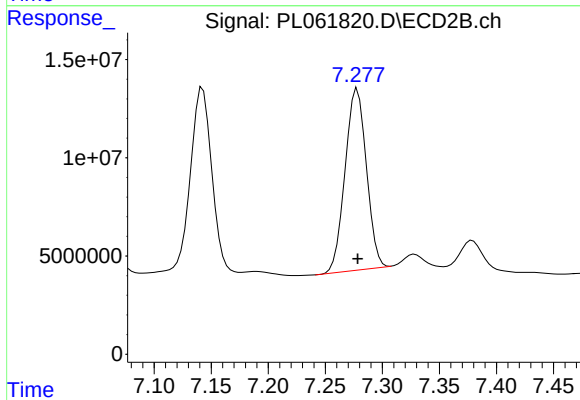
#19 Endosulfan Sulfate

R.T.: 6.660 min  
Delta R.T.: -0.002 min  
Response: 76354735  
Conc: 49.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

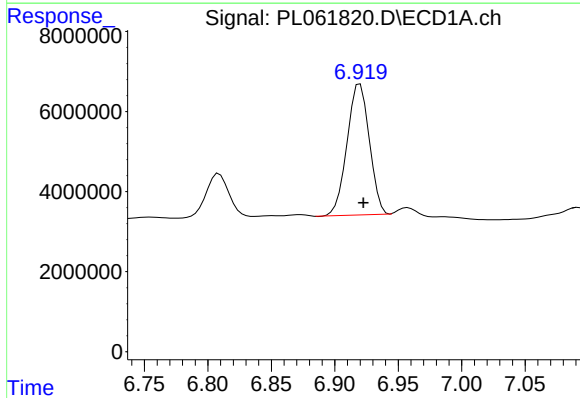
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



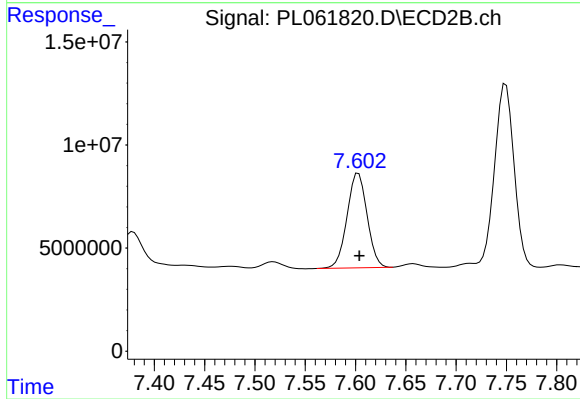
#19 Endosulfan Sulfate

R.T.: 7.278 min  
Delta R.T.: 0.000 min  
Response: 119944538  
Conc: 51.22 ng/ml



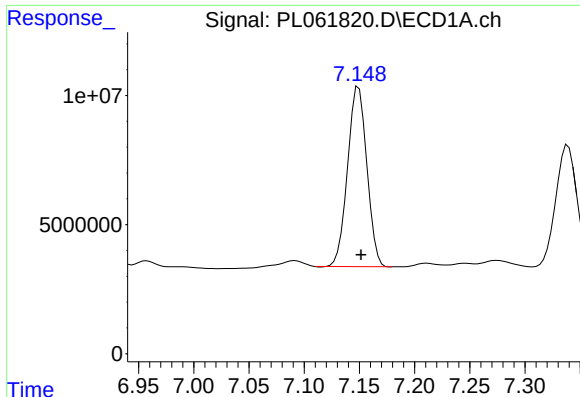
#20 Methoxychlor

R.T.: 6.920 min  
Delta R.T.: -0.003 min  
Response: 39882903  
Conc: 49.33 ng/ml



#20 Methoxychlor

R.T.: 7.603 min  
Delta R.T.: -0.001 min  
Response: 63461767  
Conc: 50.37 ng/ml



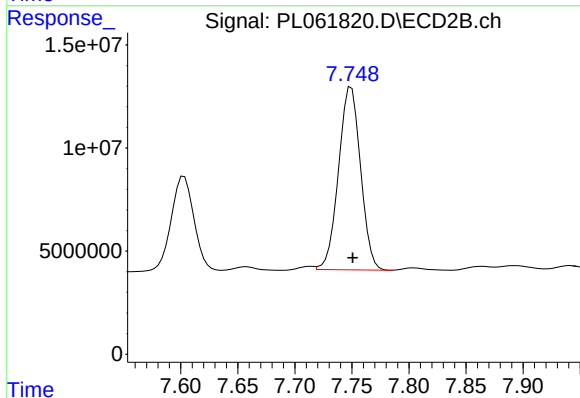
#21 Endrin ketone

R.T.: 7.149 min  
Delta R.T.: -0.002 min  
Response: 84734244  
Conc: 49.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

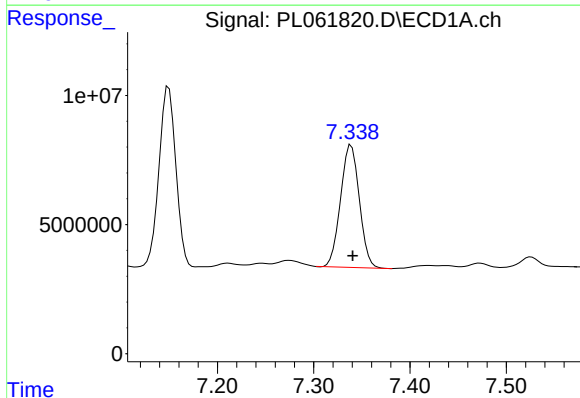
Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



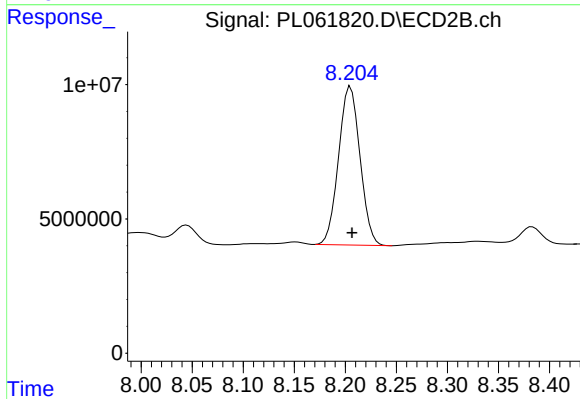
#21 Endrin ketone

R.T.: 7.749 min  
Delta R.T.: -0.001 min  
Response: 119069370  
Conc: 50.73 ng/ml



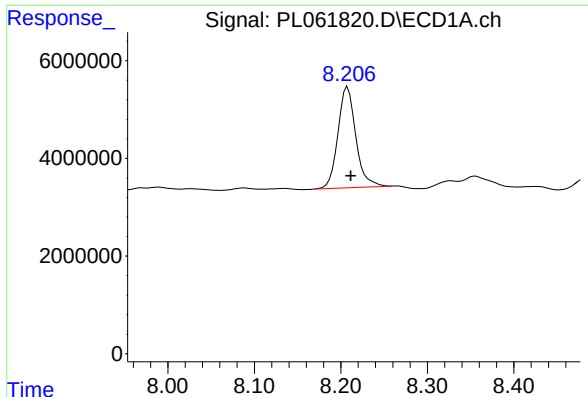
#22 Mirex

R.T.: 7.339 min  
Delta R.T.: -0.002 min  
Response: 64068316  
Conc: 45.70 ng/ml



#22 Mirex

R.T.: 8.205 min  
Delta R.T.: -0.001 min  
Response: 86442510  
Conc: 49.06 ng/ml



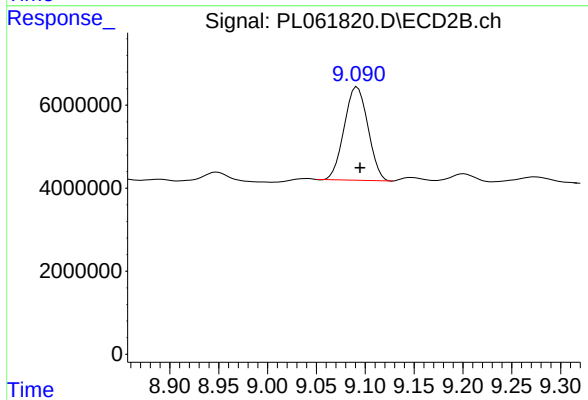
#28 Decachlorobiphenyl

R.T.: 8.208 min  
Delta R.T.: -0.004 min  
Response: 29559560  
Conc: 18.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
FK-GF-02-061-AMSD

Manual Integrations  
APPROVED

Ankita  
9/28/2020 4:20:54 PM



#28 Decachlorobiphenyl

R.T.: 9.092 min  
Delta R.T.: -0.003 min  
Response: 38040059  
Conc: 17.28 ng/ml