

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040519\  
 Data File : PL047076.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 Apr 2019 15:52  
 Operator : AJ\SJ  
 Sample : K2193-02MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 HR-06-040319-AMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 05 23:11:38 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  | 145.6E6 | 46158066 | 20.015   | 20.160     |
| 28)                         | SA Decachlor... | 8.033 | 9.027  | 174.4E6 | 51126219 | 20.740   | 22.052     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.787 | 4.366  | 642.9E6 | 173.8E6  | 55.129   | 54.085     |
| 3)                          | MA gamma-BHC... | 4.064 | 4.650  | 588.7E6 | 160.6E6  | 54.787   | 53.658     |
| 4)                          | MA Heptachlor   | 4.351 | 5.155  | 621.3E6 | 168.2E6  | 56.352   | 54.673     |
| 5)                          | MB Aldrin       | 4.591 | 5.460  | 585.7E6 | 160.3E6  | 56.785   | 55.954     |
| 6)                          | B beta-BHC      | 4.317 | 4.823  | 241.1E6 | 72643998 | 53.546   | 54.797     |
| 7)                          | B delta-BHC     | 4.513 | 5.038  | 555.2E6 | 134.4E6  | 54.850   | 57.937     |
| 8)                          | B Heptachlor... | 5.028 | 5.846  | 542.5E6 | 142.1E6  | 55.623   | 53.897     |
| 9)                          | A Endosulfan I  | 5.359 | 6.202  | 508.5E6 | 140.2E6  | 54.087   | 53.736     |
| 10)                         | B gamma-Chl...  | 5.250 | 6.080  | 555.8E6 | 153.3E6  | 54.109   | 54.029     |
| 11)                         | B alpha-Chl...  | 5.306 | 6.152  | 542.7E6 | 152.2E6  | 53.526   | 53.640     |
| 12)                         | B 4,4'-DDE      | 5.474 | 6.310  | 498.3E6 | 135.3E6  | 54.123   | 54.503     |
| 13)                         | MA Dieldrin     | 5.599 | 6.458  | 548.2E6 | 144.1E6  | 54.623   | 53.172     |
| 14)                         | MA Endrin       | 5.852 | 6.676  | 503.6E6 | 127.1E6  | 53.467   | 53.196     |
| 15)                         | B Endosulfa...  | 6.127 | 6.886  | 470.7E6 | 128.6E6  | 52.535   | 53.288     |
| 16)                         | A 4,4'-DDD      | 5.984 | 6.800  | 421.9E6 | 111.4E6  | 55.818   | 55.356     |
| 17)                         | MA 4,4'-DDT     | 6.219 | 7.098  | 404.9E6 | 110.0E6  | 53.454   | 52.465     |
| 18)                         | B Endrin al...  | 6.293 | 7.010  | 391.8E6 | 109.6E6  | 52.277   | 51.578     |
| 19)                         | B Endosulfa...  | 6.504 | 7.232  | 458.8E6 | 126.5E6  | 55.880   | 53.628     |
| 20)                         | A Methoxychlor  | 6.764 | 7.556  | 220.9E6 | 65462765 | 51.975   | 51.352     |
| 21)                         | B Endrin ke...  | 6.987 | 7.702  | 503.3E6 | 134.0E6  | 54.435   | 53.936     |
| 22)                         | Mirex           | 7.164 | 8.153  | 362.7E6 | 103.6E6  | 49.784   | 51.773     |
| 24)                         | Chlordane-2     | 0.000 | 5.460f | 0       | 160.3E6  | N.D.     | 1372.370 # |
| 25)                         | Chlordane-3     | 5.250 | 6.080  | 555.8E6 | 153.3E6  | 499.102  | 402.183    |
| 26)                         | Chlordane-4     | 5.306 | 6.152  | 542.7E6 | 152.2E6  | 524.830  | 329.760 #  |
| 27)                         | Chlordane-5     | 6.127 | 0.000  | 470.7E6 | 0        | 1379.246 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

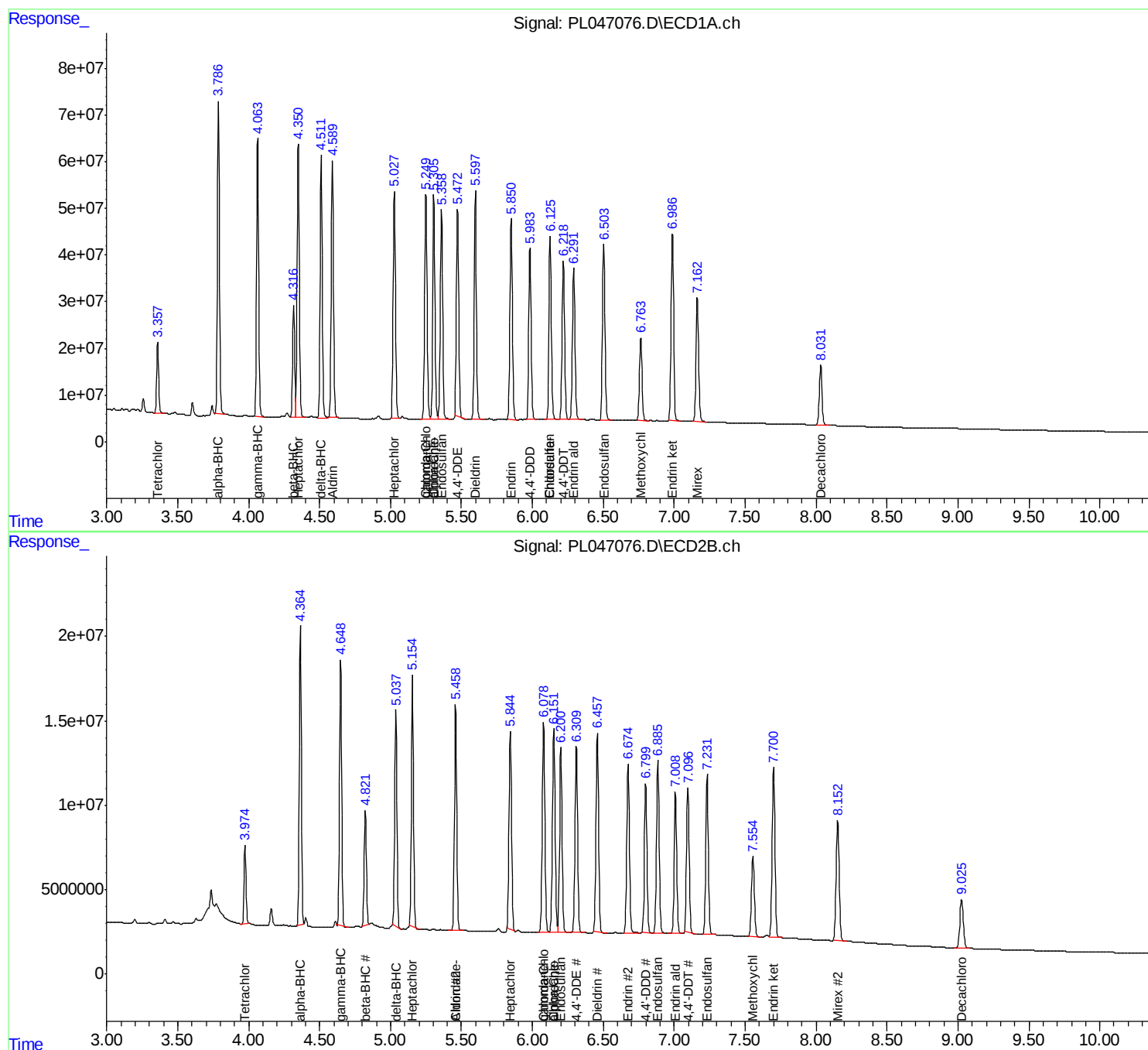
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

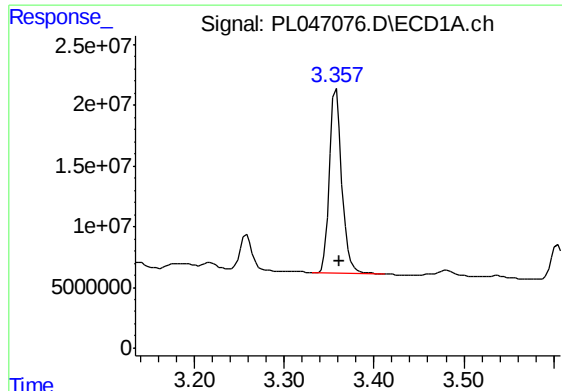
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040519\  
Data File : PL047076.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 05 Apr 2019 15:52  
Operator : AJ\SJ  
Sample : K2193-02MSD  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 05 23:11:38 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  
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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

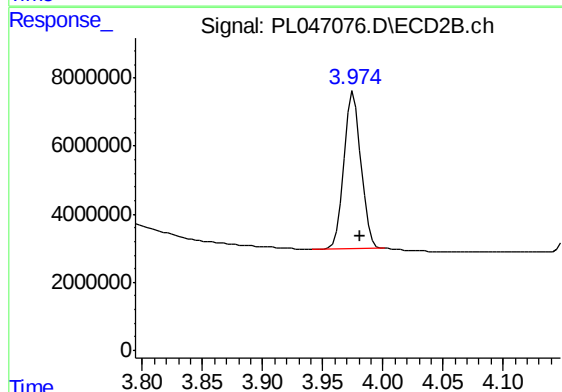




#1 Tetrachloro-m-xylene

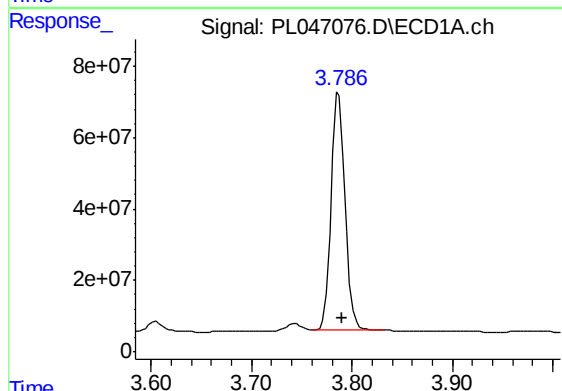
R.T.: 3.358 min  
Delta R.T.: -0.003 min  
Response: 145602293  
Conc: 20.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



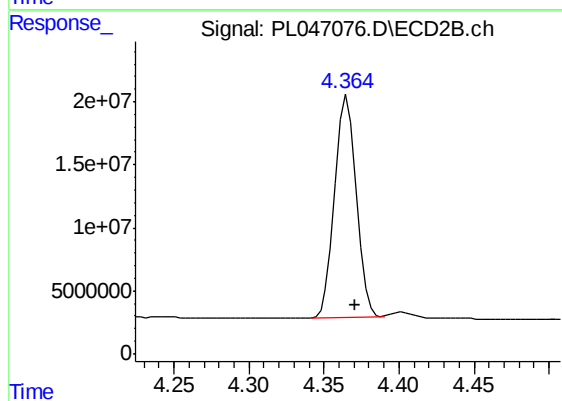
#1 Tetrachloro-m-xylene

R.T.: 3.976 min  
Delta R.T.: -0.005 min  
Response: 46158066  
Conc: 20.16 ng/ml



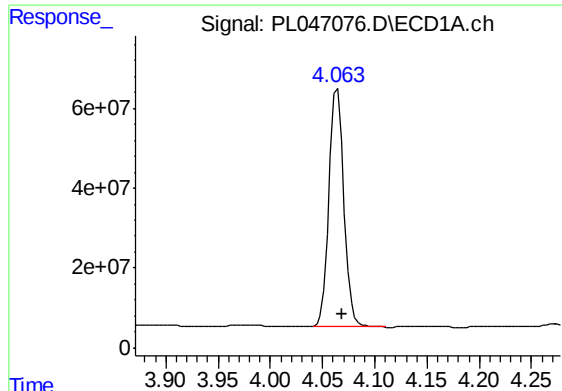
#2 alpha-BHC

R.T.: 3.787 min  
Delta R.T.: -0.003 min  
Response: 642910750  
Conc: 55.13 ng/ml



#2 alpha-BHC

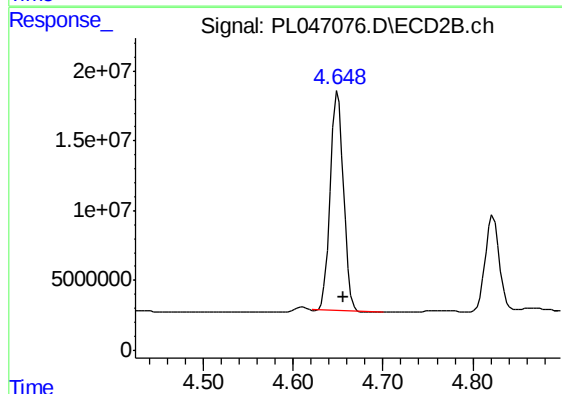
R.T.: 4.366 min  
Delta R.T.: -0.005 min  
Response: 173791877  
Conc: 54.09 ng/ml



#3 gamma-BHC (Lindane)

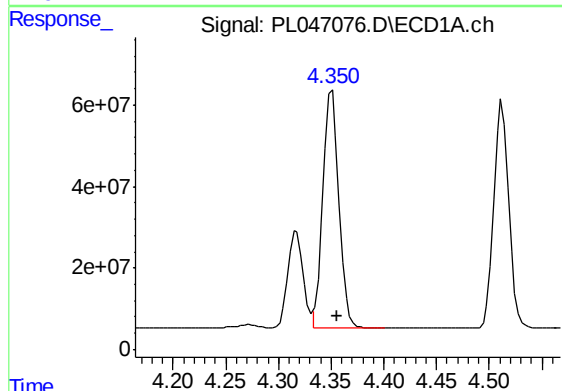
R.T.: 4.064 min  
Delta R.T.: -0.004 min  
Response: 588661873  
Conc: 54.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



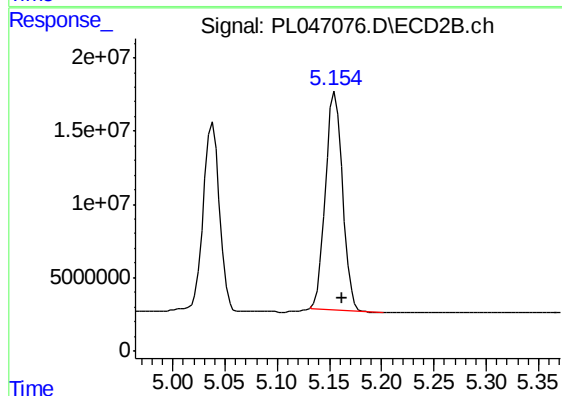
#3 gamma-BHC (Lindane)

R.T.: 4.650 min  
Delta R.T.: -0.006 min  
Response: 160600802  
Conc: 53.66 ng/ml



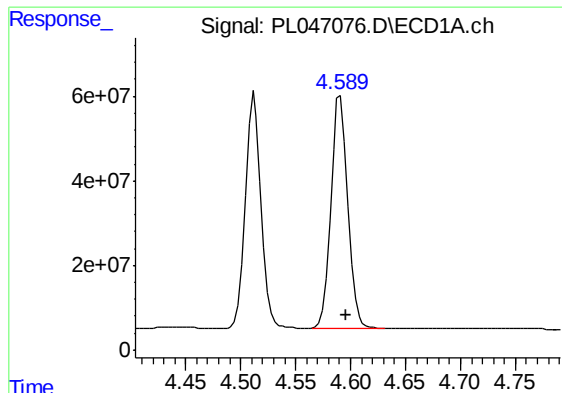
#4 Heptachlor

R.T.: 4.351 min  
Delta R.T.: -0.005 min  
Response: 621284739  
Conc: 56.35 ng/ml



#4 Heptachlor

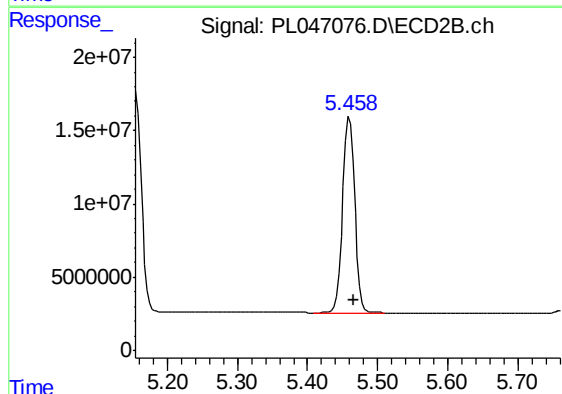
R.T.: 5.155 min  
Delta R.T.: -0.007 min  
Response: 168168271  
Conc: 54.67 ng/ml



#5 Aldrin

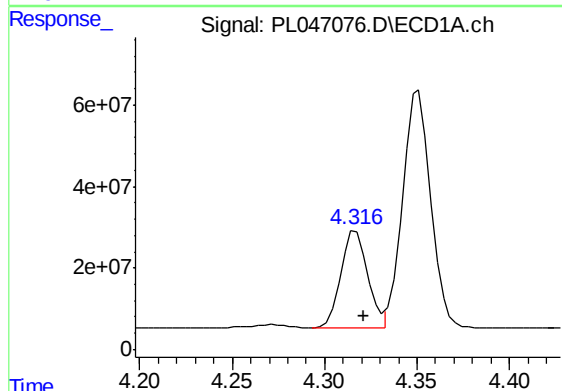
R.T.: 4.591 min  
Delta R.T.: -0.005 min  
Response: 585732227  
Conc: 56.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



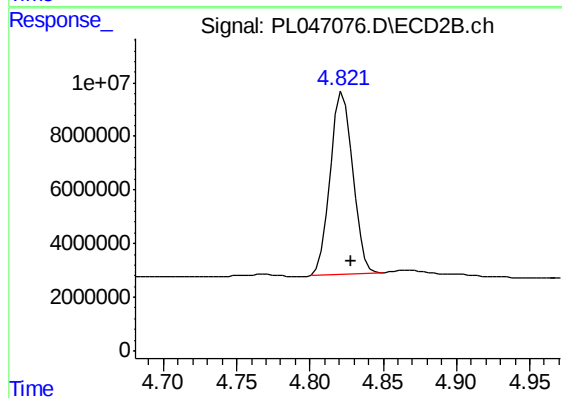
#5 Aldrin

R.T.: 5.460 min  
Delta R.T.: -0.007 min  
Response: 160305482  
Conc: 55.95 ng/ml



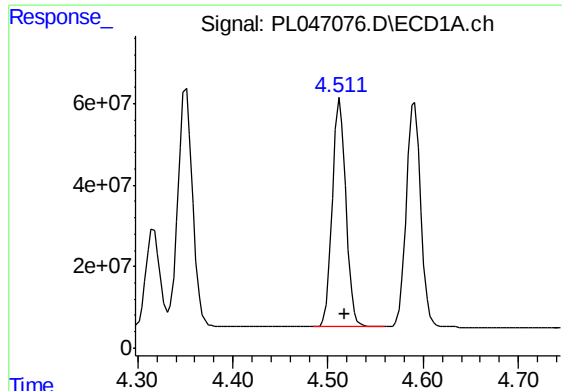
#6 beta-BHC

R.T.: 4.317 min  
Delta R.T.: -0.004 min  
Response: 241085153  
Conc: 53.55 ng/ml



#6 beta-BHC

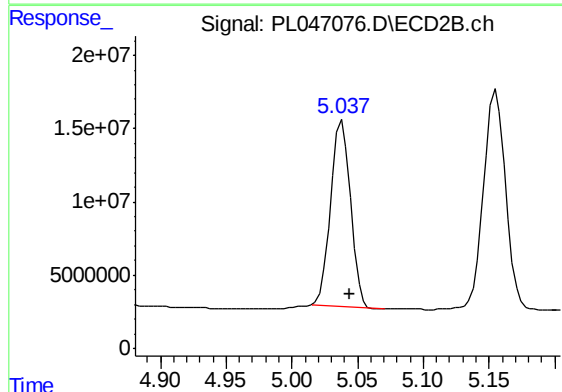
R.T.: 4.823 min  
Delta R.T.: -0.005 min  
Response: 72643998  
Conc: 54.80 ng/ml



#7 delta-BHC

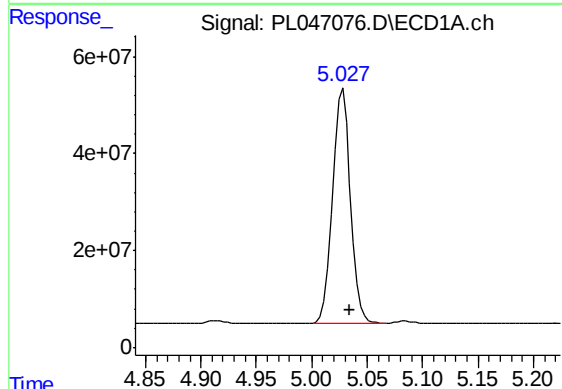
R.T.: 4.513 min  
Delta R.T.: -0.004 min  
Response: 555245129  
Conc: 54.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



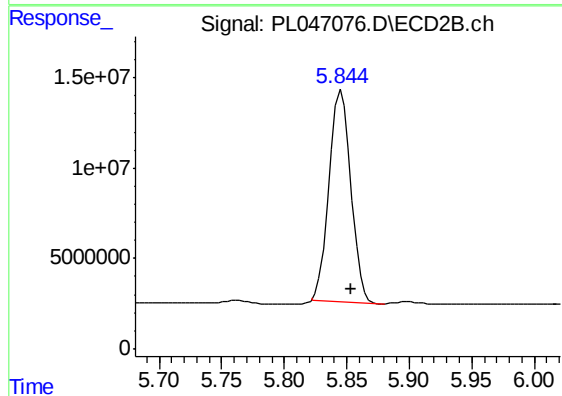
#7 delta-BHC

R.T.: 5.038 min  
Delta R.T.: -0.006 min  
Response: 134424860  
Conc: 57.94 ng/ml



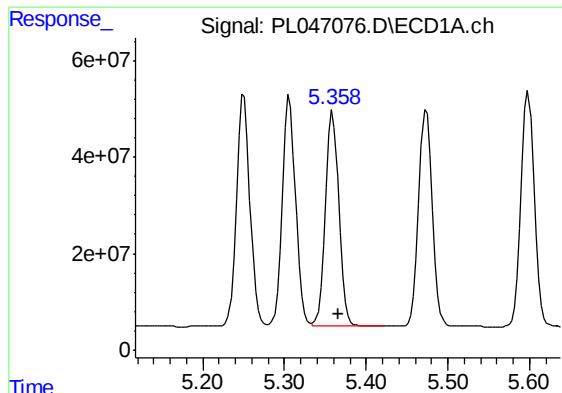
#8 Heptachlor epoxide

R.T.: 5.028 min  
Delta R.T.: -0.006 min  
Response: 542519054  
Conc: 55.62 ng/ml



#8 Heptachlor epoxide

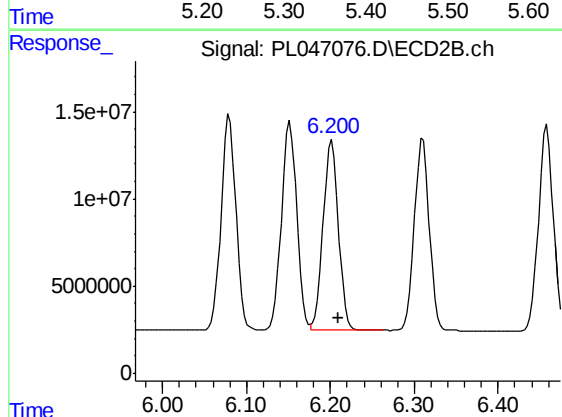
R.T.: 5.846 min  
Delta R.T.: -0.008 min  
Response: 142137982  
Conc: 53.90 ng/ml



#9 Endosulfan I

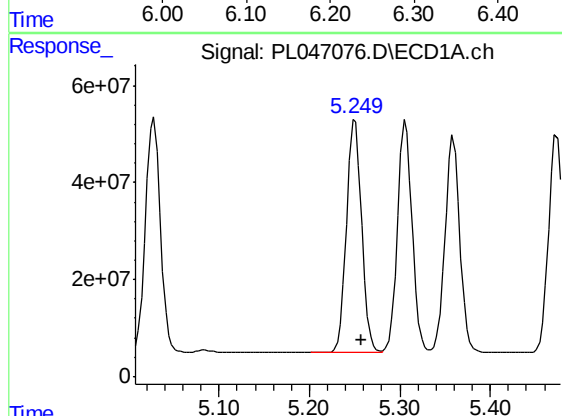
R.T.: 5.359 min  
Delta R.T.: -0.007 min  
Response: 508542419  
Conc: 54.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



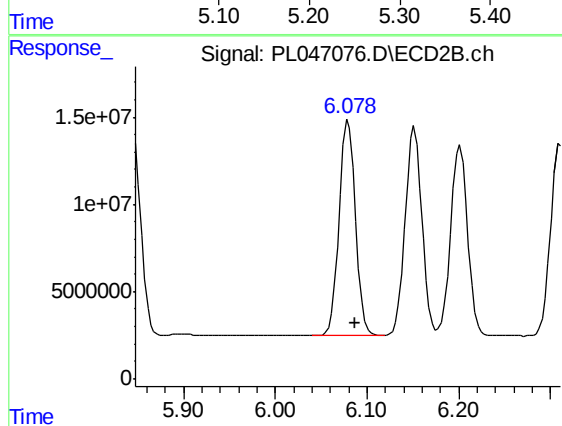
#9 Endosulfan I

R.T.: 6.202 min  
Delta R.T.: -0.008 min  
Response: 140244781  
Conc: 53.74 ng/ml



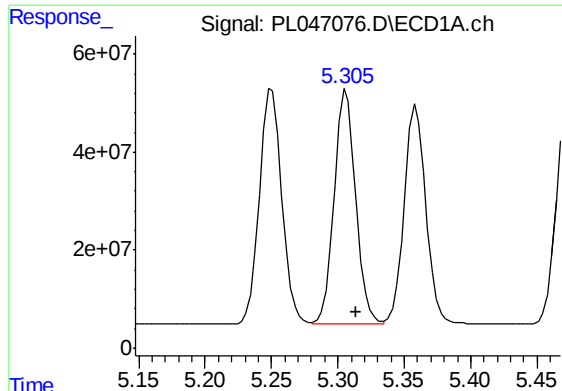
#10 gamma-Chlordane

R.T.: 5.250 min  
Delta R.T.: -0.006 min  
Response: 555836152  
Conc: 54.11 ng/ml



#10 gamma-Chlordane

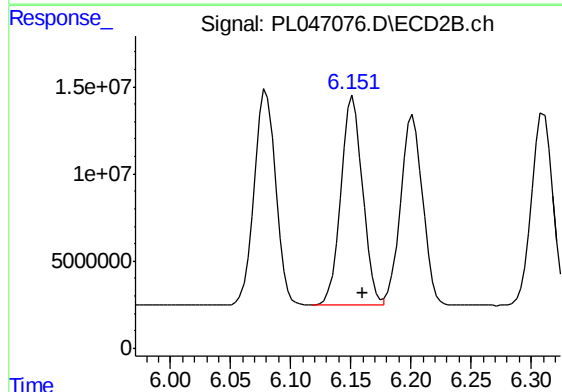
R.T.: 6.080 min  
Delta R.T.: -0.008 min  
Response: 153339441  
Conc: 54.03 ng/ml



#11 alpha-Chlordane

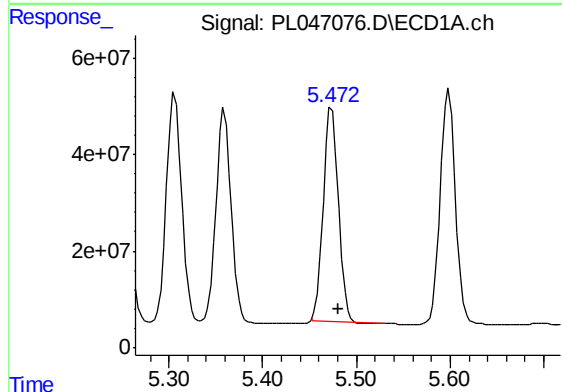
R.T.: 5.306 min  
Delta R.T.: -0.008 min  
Response: 542705034  
Conc: 53.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



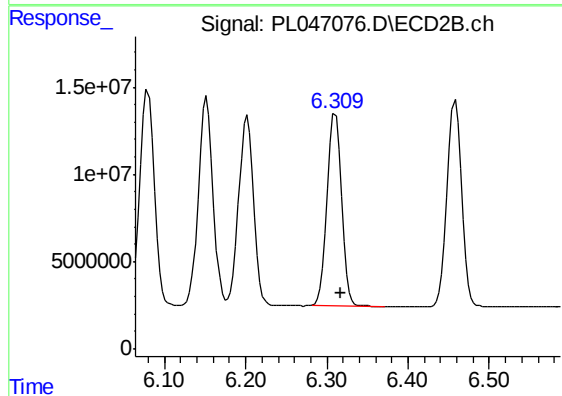
#11 alpha-Chlordane

R.T.: 6.152 min  
Delta R.T.: -0.008 min  
Response: 152159690  
Conc: 53.64 ng/ml



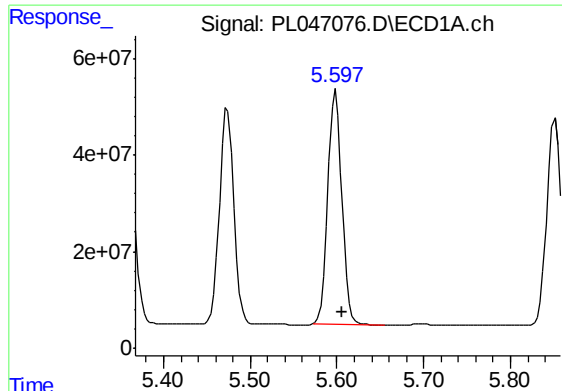
#12 4,4'-DDE

R.T.: 5.474 min  
Delta R.T.: -0.007 min  
Response: 498304517  
Conc: 54.12 ng/ml



#12 4,4'-DDE

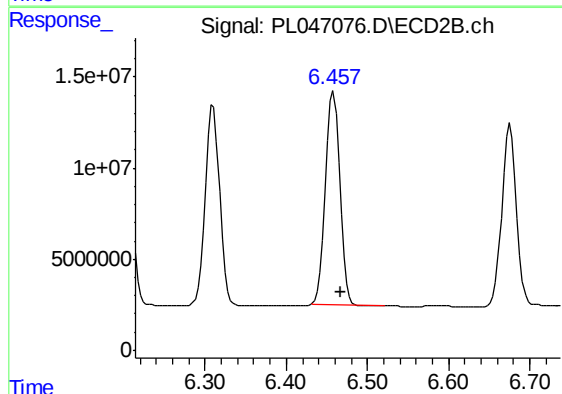
R.T.: 6.310 min  
Delta R.T.: -0.008 min  
Response: 135293336  
Conc: 54.50 ng/ml



#13 Dieldrin

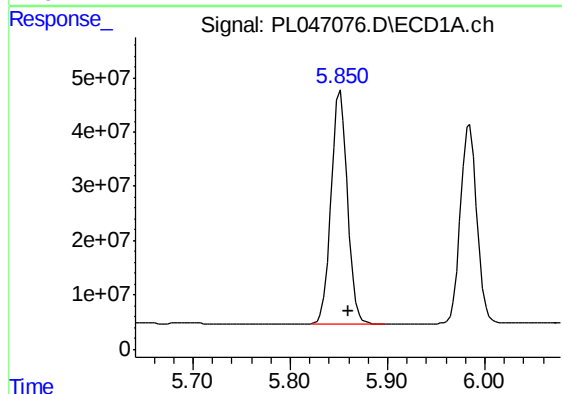
R.T.: 5.599 min  
Delta R.T.: -0.008 min  
Response: 548175856  
Conc: 54.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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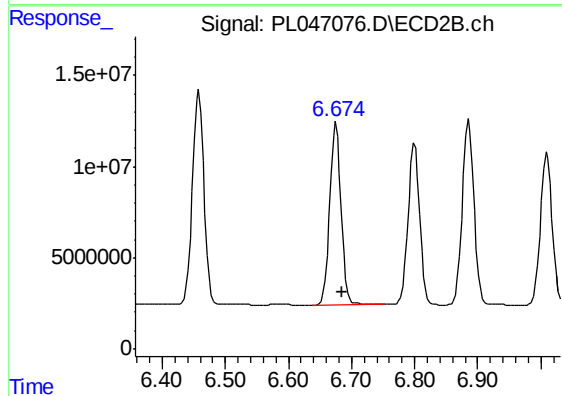
#13 Dieldrin

R.T.: 6.458 min  
Delta R.T.: -0.009 min  
Response: 144131363  
Conc: 53.17 ng/ml



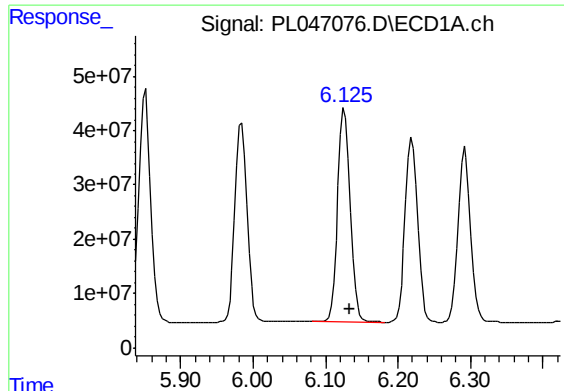
#14 Endrin

R.T.: 5.852 min  
Delta R.T.: -0.008 min  
Response: 503614064  
Conc: 53.47 ng/ml



#14 Endrin

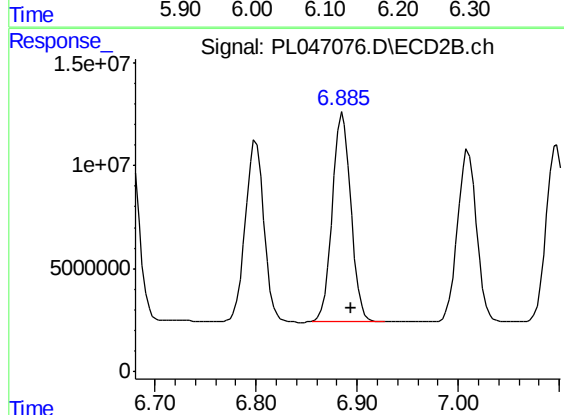
R.T.: 6.676 min  
Delta R.T.: -0.009 min  
Response: 127127074  
Conc: 53.20 ng/ml



#15 Endosulfan II

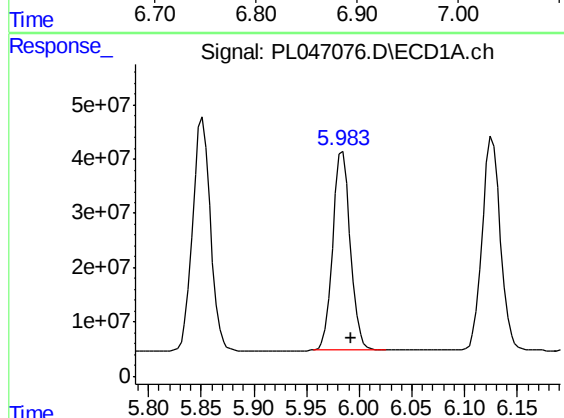
R.T.: 6.127 min  
Delta R.T.: -0.008 min  
Response: 470691328  
Conc: 52.53 ng/ml

Instrument :  
ECD\_L  
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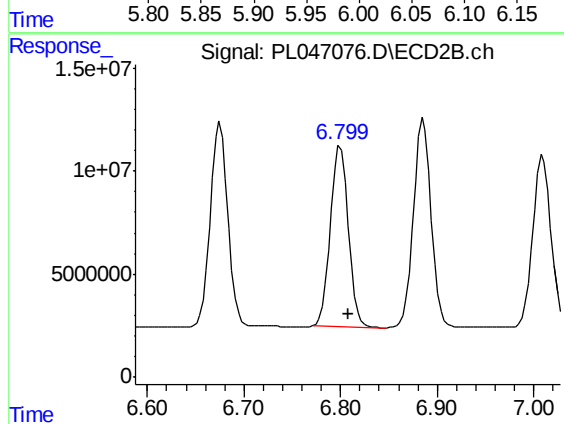
#15 Endosulfan II

R.T.: 6.886 min  
Delta R.T.: -0.009 min  
Response: 128578840  
Conc: 53.29 ng/ml



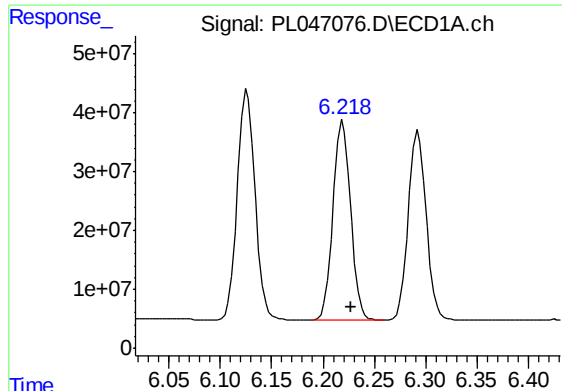
#16 4,4'-DDD

R.T.: 5.984 min  
Delta R.T.: -0.008 min  
Response: 421928781  
Conc: 55.82 ng/ml



#16 4,4'-DDD

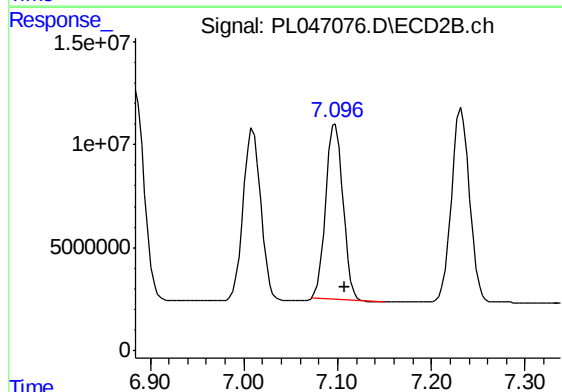
R.T.: 6.800 min  
Delta R.T.: -0.008 min  
Response: 111378478  
Conc: 55.36 ng/ml



#17 4,4'-DDT

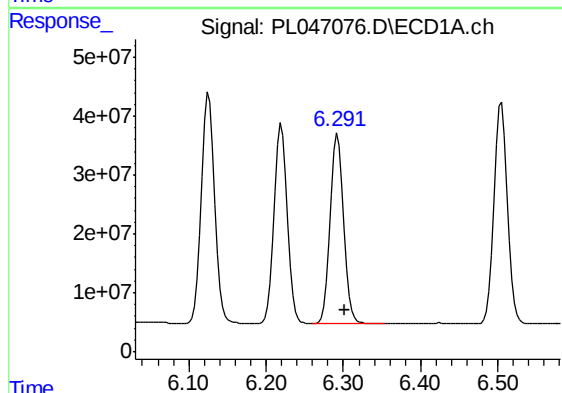
R.T.: 6.219 min  
Delta R.T.: -0.008 min  
Response: 404881540  
Conc: 53.45 ng/ml

Instrument :  
ECD\_L  
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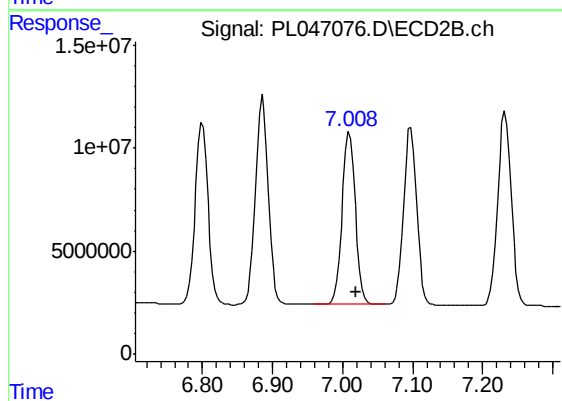
#17 4,4'-DDT

R.T.: 7.098 min  
Delta R.T.: -0.009 min  
Response: 110015909  
Conc: 52.46 ng/ml



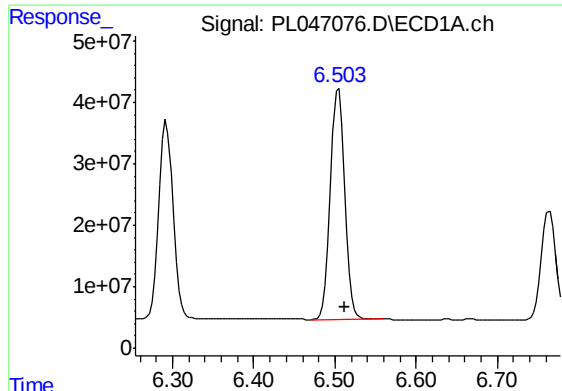
#18 Endrin aldehyde

R.T.: 6.293 min  
Delta R.T.: -0.009 min  
Response: 391822018  
Conc: 52.28 ng/ml



#18 Endrin aldehyde

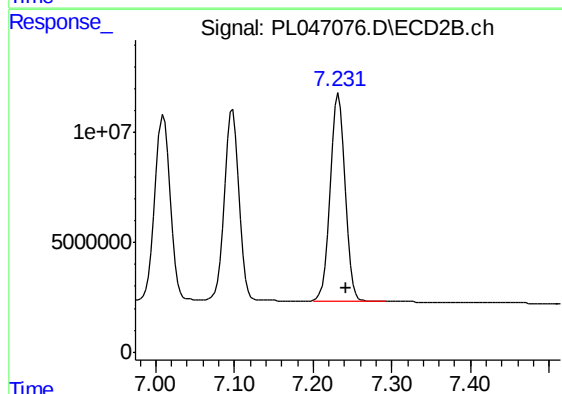
R.T.: 7.010 min  
Delta R.T.: -0.009 min  
Response: 109550480  
Conc: 51.58 ng/ml



#19 Endosulfan Sulfate

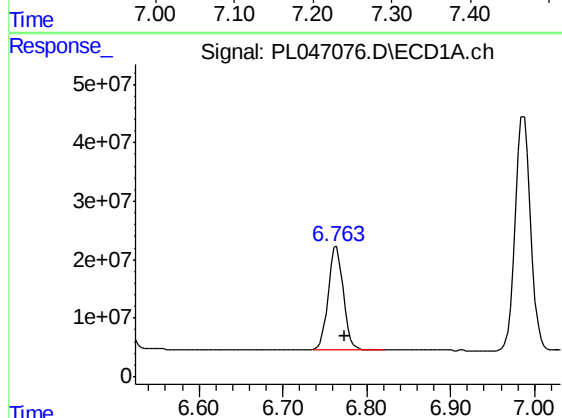
R.T.: 6.504 min  
Delta R.T.: -0.008 min  
Response: 458844451  
Conc: 55.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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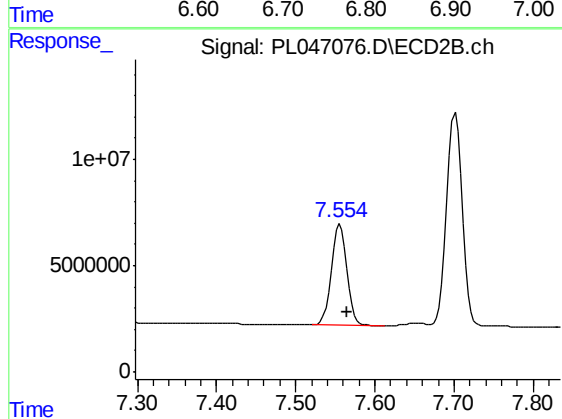
#19 Endosulfan Sulfate

R.T.: 7.232 min  
Delta R.T.: -0.009 min  
Response: 126508129  
Conc: 53.63 ng/ml



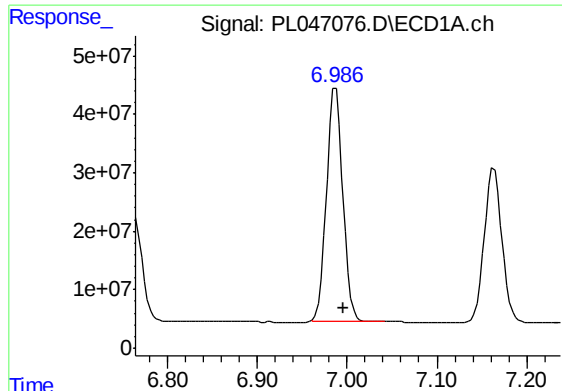
#20 Methoxychlor

R.T.: 6.764 min  
Delta R.T.: -0.009 min  
Response: 220887526  
Conc: 51.98 ng/ml



#20 Methoxychlor

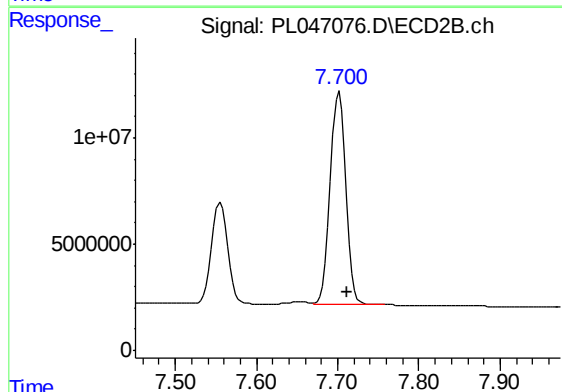
R.T.: 7.556 min  
Delta R.T.: -0.010 min  
Response: 65462765  
Conc: 51.35 ng/ml



#21 Endrin ketone

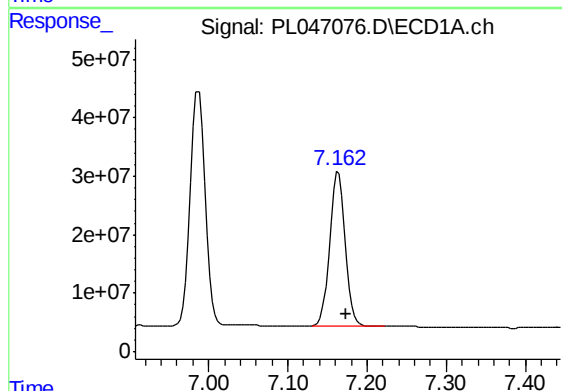
R.T.: 6.987 min  
Delta R.T.: -0.009 min  
Response: 503345160  
Conc: 54.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



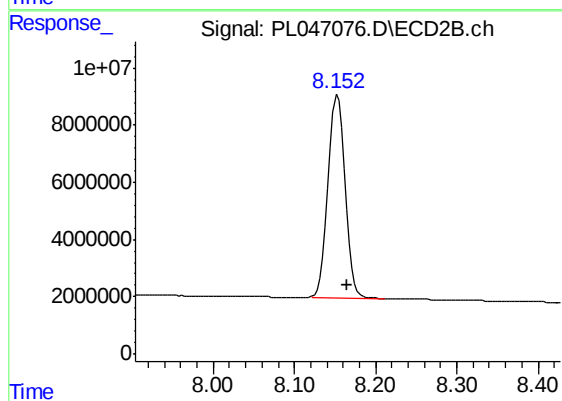
#21 Endrin ketone

R.T.: 7.702 min  
Delta R.T.: -0.010 min  
Response: 134007326  
Conc: 53.94 ng/ml



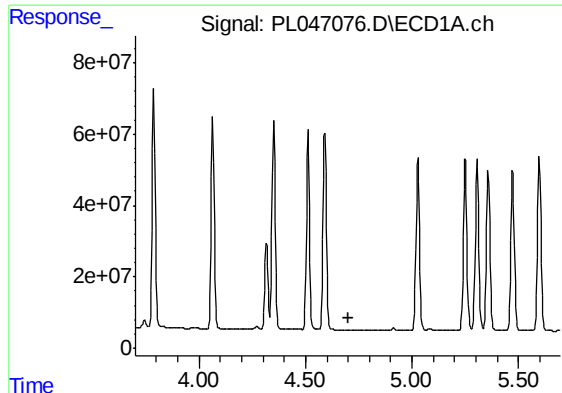
#22 Mirex

R.T.: 7.164 min  
Delta R.T.: -0.010 min  
Response: 362705855  
Conc: 49.78 ng/ml



#22 Mirex

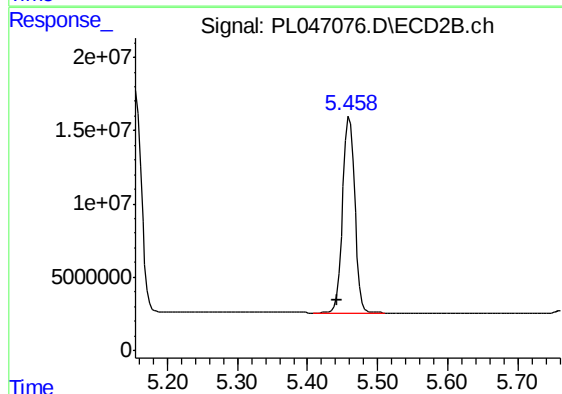
R.T.: 8.153 min  
Delta R.T.: -0.012 min  
Response: 103555581  
Conc: 51.77 ng/ml



#24 Chlordane-2

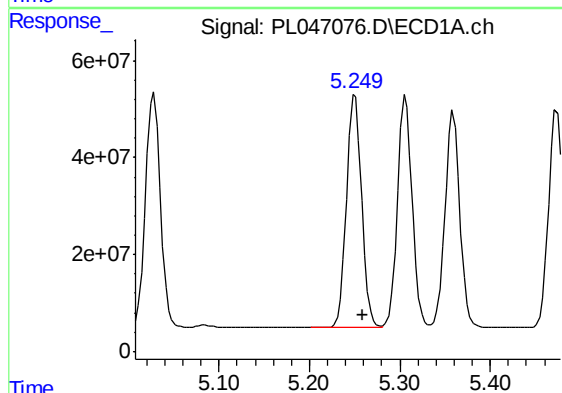
R.T.: 0.000 min  
Exp R.T.: 4.701 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



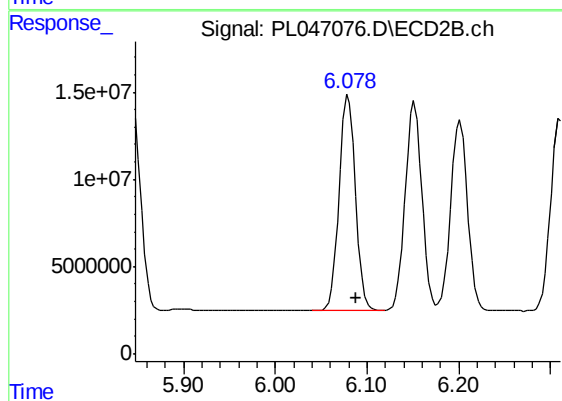
#24 Chlordane-2

R.T.: 5.460 min  
Delta R.T.: 0.017 min  
Response: 160305482  
Conc: 1372.37 ng/ml



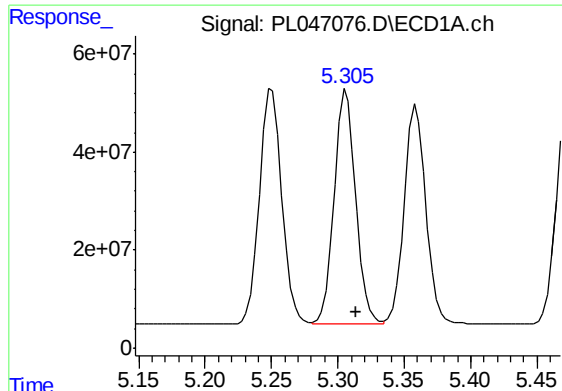
#25 Chlordane-3

R.T.: 5.250 min  
Delta R.T.: -0.008 min  
Response: 555836152  
Conc: 499.10 ng/ml



#25 Chlordane-3

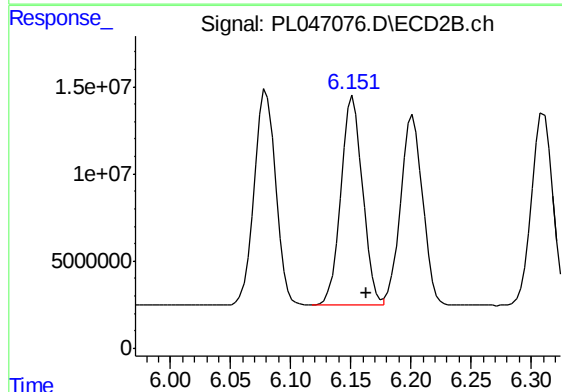
R.T.: 6.080 min  
Delta R.T.: -0.009 min  
Response: 153339441  
Conc: 402.18 ng/ml



#26 Chlordane-4

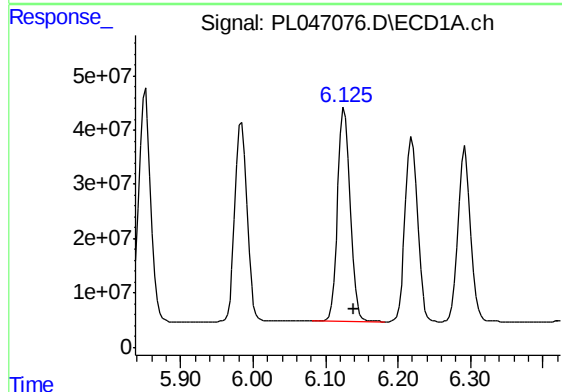
R.T.: 5.306 min  
Delta R.T.: -0.008 min  
Response: 542705034  
Conc: 524.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



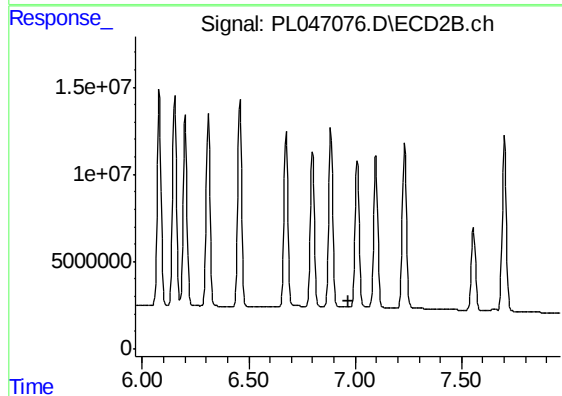
#26 Chlordane-4

R.T.: 6.152 min  
Delta R.T.: -0.011 min  
Response: 152159690  
Conc: 329.76 ng/ml



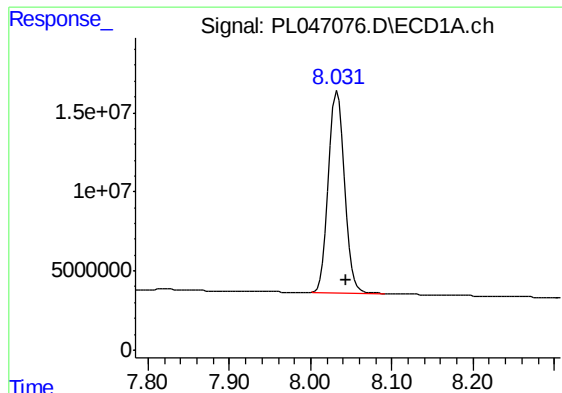
#27 Chlordane-5

R.T.: 6.127 min  
Delta R.T.: -0.013 min  
Response: 470691328  
Conc: 1379.25 ng/ml



#27 Chlordane-5

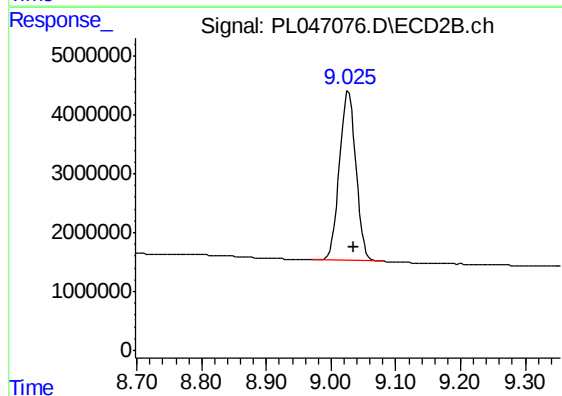
R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.033 min  
Delta R.T.: -0.011 min  
Response: 174445847  
Conc: 20.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HR-06-040319-AMSD



#28 Decachlorobiphenyl

R.T.: 9.027 min  
Delta R.T.: -0.008 min  
Response: 51126219  
Conc: 22.05 ng/ml