

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022719\  
 Data File : PL045198.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Feb 2019 01:16  
 Operator : AJ\SJ  
 Sample : K1348-08MSD  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 OK-02-022519MSD

Manual Integrations  
 APPROVED

Sohil  
 2/28/2019 11:50:46 AM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 28 02:52:01 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022719.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Feb 27 17:00:03 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... | 3.364 | 3.983 | 139.8E6 | 47044783 | 20.315 | 21.968  |
| 28)                         | SA Decachlor... | 8.049 | 9.043 | 180.9E6 | 51065564 | 21.624 | 22.349  |
| Target Compounds            |                 |       |       |         |          |        |         |
| 2)                          | A alpha-BHC     | 3.795 | 4.374 | 591.3E6 | 160.5E6  | 53.239 | 52.820  |
| 3)                          | MA gamma-BHC... | 4.072 | 4.657 | 549.9E6 | 152.6E6  | 54.403 | 54.043m |
| 4)                          | MA Heptachlor   | 4.360 | 5.166 | 563.2E6 | 156.6E6  | 53.377 | 52.643  |
| 5)                          | MB Aldrin       | 4.601 | 5.470 | 516.5E6 | 140.1E6  | 53.106 | 51.855  |
| 6)                          | B beta-BHC      | 4.325 | 4.830 | 225.8E6 | 68353590 | 52.677 | 53.824  |
| 7)                          | B delta-BHC     | 4.521 | 5.046 | 461.9E6 | 107.0E6  | 48.322 | 49.752  |
| 8)                          | B Heptachlo...  | 5.039 | 5.856 | 513.4E6 | 133.5E6  | 55.005 | 55.578  |
| 9)                          | A Endosulfan I  | 5.371 | 6.213 | 483.4E6 | 131.0E6  | 54.077 | 52.599  |
| 10)                         | B gamma-Chl...  | 5.262 | 6.090 | 526.1E6 | 142.0E6  | 53.750 | 52.923  |
| 11)                         | B alpha-Chl...  | 5.319 | 6.163 | 519.3E6 | 141.6E6  | 53.556 | 52.504  |
| 12)                         | B 4,4'-DDE      | 5.486 | 6.321 | 485.7E6 | 125.6E6  | 55.330 | 53.788  |
| 13)                         | MA Dieldrin     | 5.611 | 6.469 | 529.4E6 | 138.1E6  | 55.392 | 53.744  |
| 14)                         | MA Endrin       | 5.865 | 6.687 | 499.7E6 | 122.4E6  | 55.490 | 53.808  |
| 15)                         | B Endosulfa...  | 6.139 | 6.897 | 471.2E6 | 125.1E6  | 54.356 | 53.180  |
| 16)                         | A 4,4'-DDD      | 5.998 | 6.811 | 405.0E6 | 104.4E6  | 55.313 | 54.292  |
| 17)                         | MA 4,4'-DDT     | 6.233 | 7.109 | 418.2E6 | 108.2E6  | 55.755 | 54.817  |
| 18)                         | B Endrin al...  | 6.306 | 7.021 | 389.1E6 | 106.8E6  | 53.232 | 52.234  |
| 19)                         | B Endosulfa...  | 6.518 | 7.244 | 417.6E6 | 113.7E6  | 51.375 | 50.555  |
| 20)                         | A Methoxychlor  | 6.779 | 7.567 | 231.3E6 | 65279236 | 52.676 | 53.184  |
| 21)                         | B Endrin ke...  | 7.002 | 7.713 | 505.7E6 | 128.9E6  | 54.893 | 54.185  |
| -----                       |                 |       |       |         |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022719\  
Data File : PL045198.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Feb 2019 01:16  
Operator : AJ\SJ  
Sample : K1348-08MSD  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

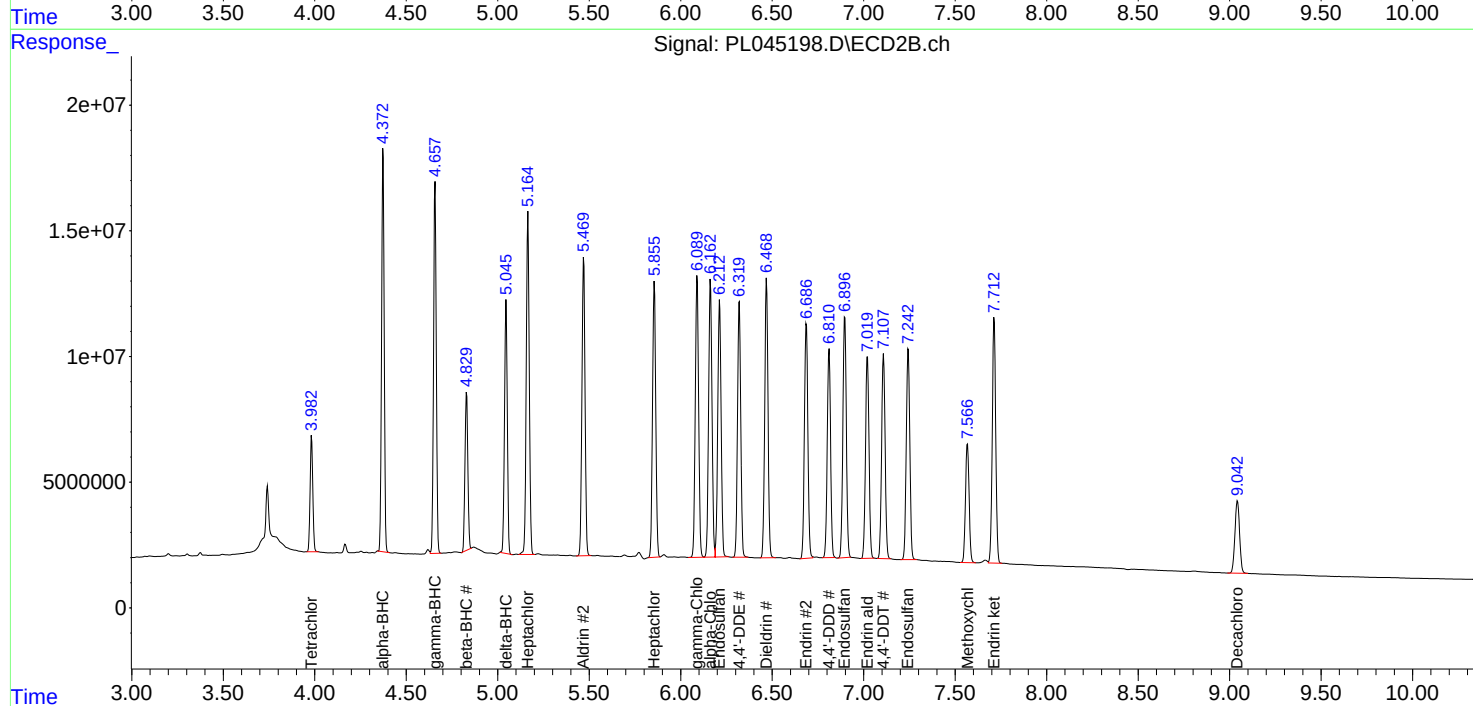
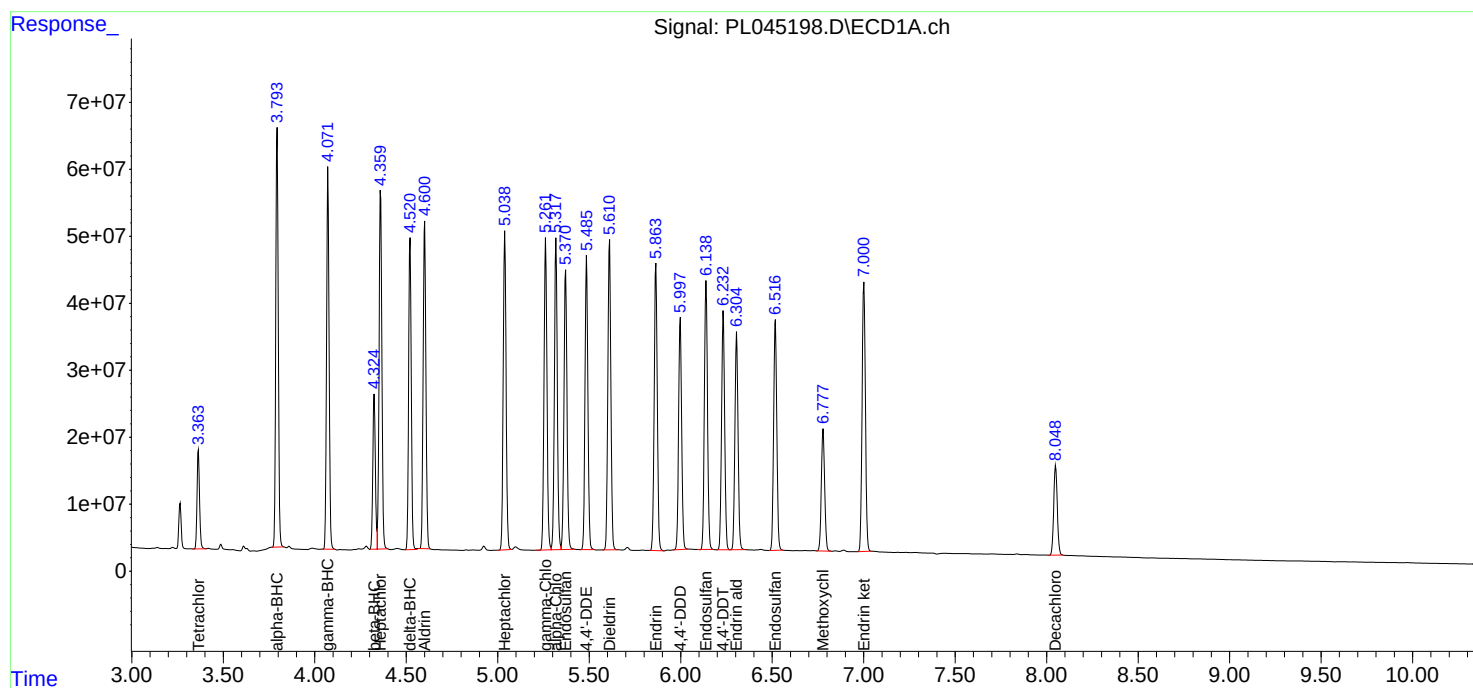
Instrument :  
ECD\_L  
ClientSampled :  
OK-02-022519MSD

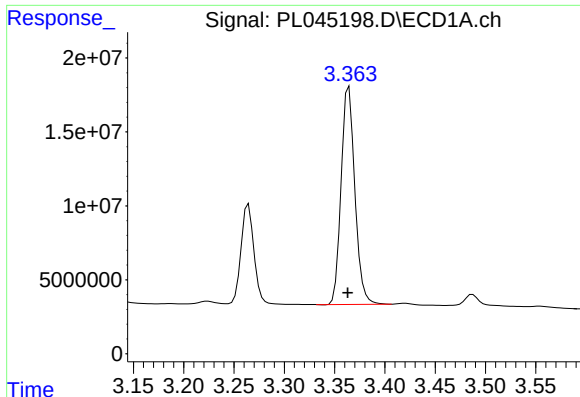
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 28 02:52:01 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022719.M  
Quant Title : GC Extractables  
QLast Update : Wed Feb 27 17:00:03 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





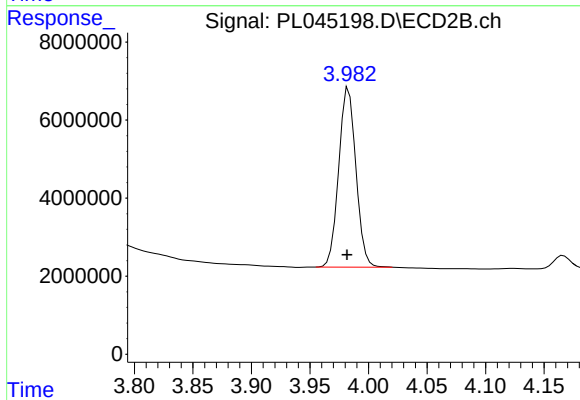
#1 Tetrachloro-m-xylene

R.T.: 3.364 min  
Delta R.T.: 0.001 min  
Response: 139750095  
Conc: 20.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

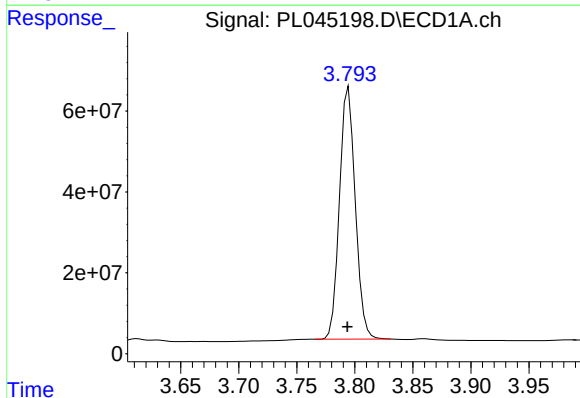
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



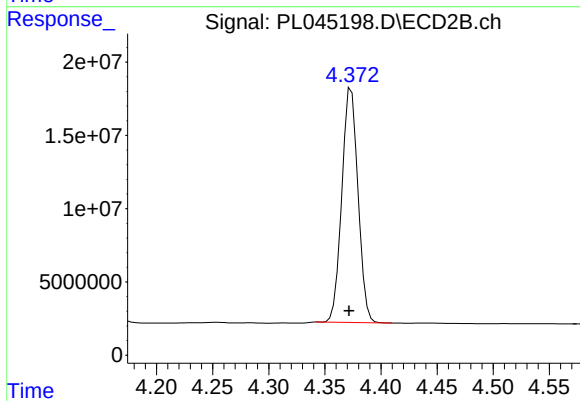
#1 Tetrachloro-m-xylene

R.T.: 3.983 min  
Delta R.T.: 0.001 min  
Response: 47044783  
Conc: 21.97 ng/ml



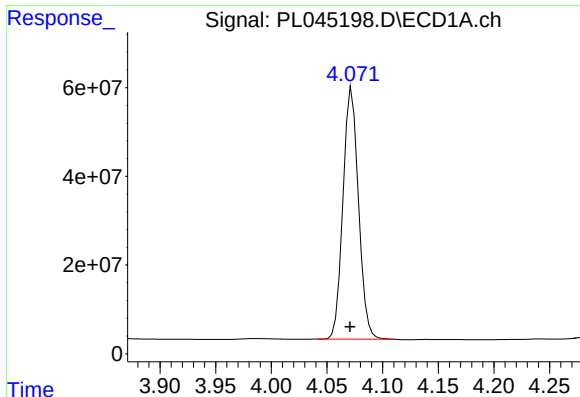
#2 alpha-BHC

R.T.: 3.795 min  
Delta R.T.: 0.001 min  
Response: 591343258  
Conc: 53.24 ng/ml



#2 alpha-BHC

R.T.: 4.374 min  
Delta R.T.: 0.002 min  
Response: 160501130  
Conc: 52.82 ng/ml



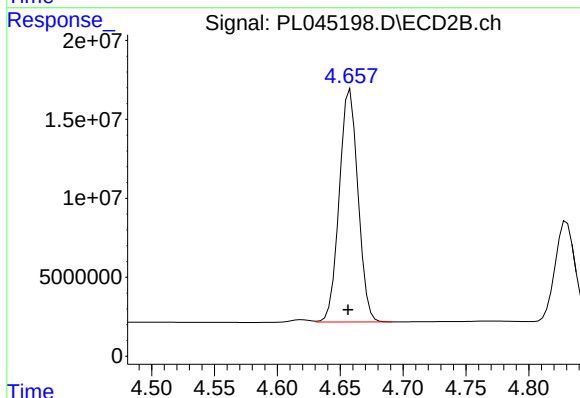
#3 gamma-BHC (Lindane)

R.T.: 4.072 min  
Delta R.T.: 0.002 min  
Response: 549861448  
Conc: 54.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

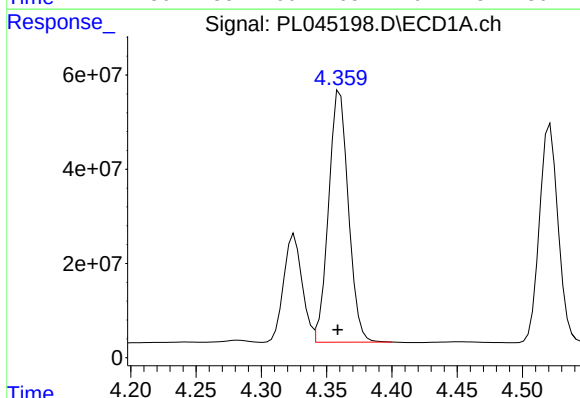
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



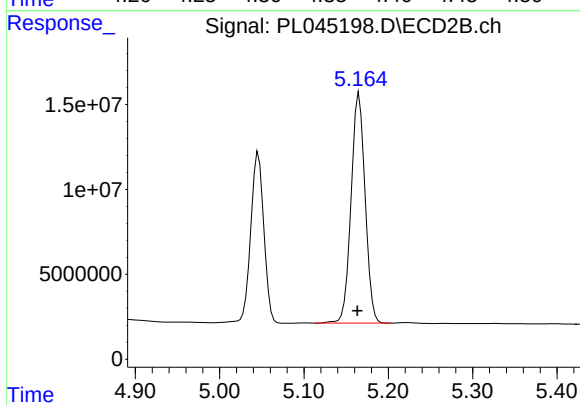
#3 gamma-BHC (Lindane)

R.T.: 4.657 min  
Delta R.T.: 0.000 min  
Response: 152649665  
Conc: 54.04 ng/ml m



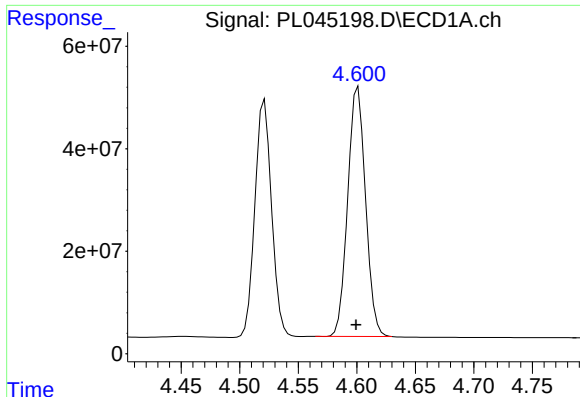
#4 Heptachlor

R.T.: 4.360 min  
Delta R.T.: 0.002 min  
Response: 563248140  
Conc: 53.38 ng/ml



#4 Heptachlor

R.T.: 5.166 min  
Delta R.T.: 0.002 min  
Response: 156610352  
Conc: 52.64 ng/ml



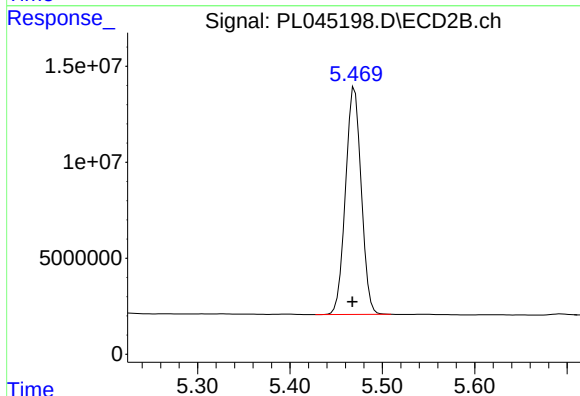
#5 Aldrin

R.T.: 4.601 min  
Delta R.T.: 0.002 min  
Response: 516534772  
Conc: 53.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

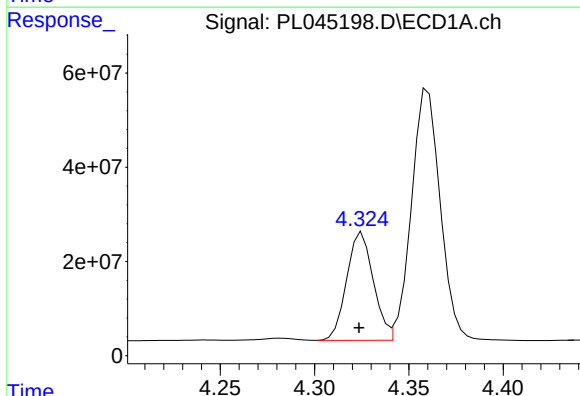
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



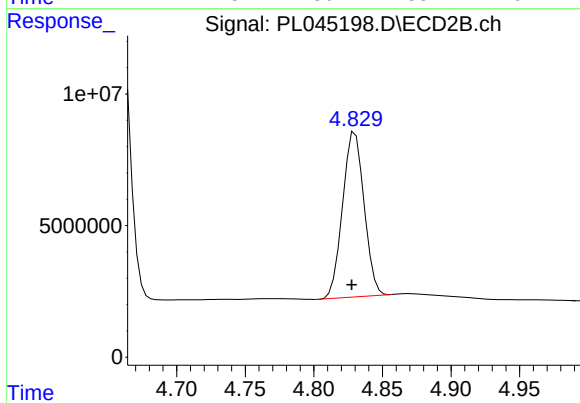
#5 Aldrin

R.T.: 5.470 min  
Delta R.T.: 0.002 min  
Response: 140058907  
Conc: 51.86 ng/ml



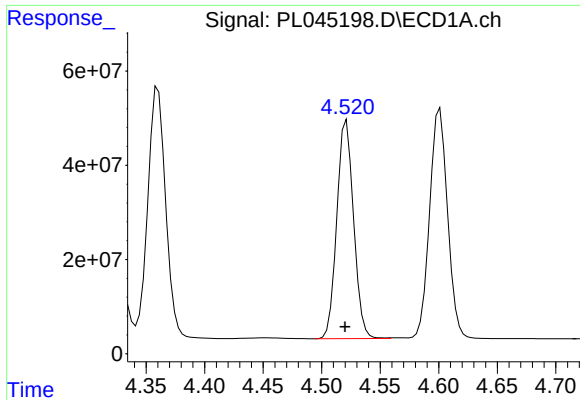
#6 beta-BHC

R.T.: 4.325 min  
Delta R.T.: 0.002 min  
Response: 225777187  
Conc: 52.68 ng/ml



#6 beta-BHC

R.T.: 4.830 min  
Delta R.T.: 0.002 min  
Response: 68353590  
Conc: 53.82 ng/ml



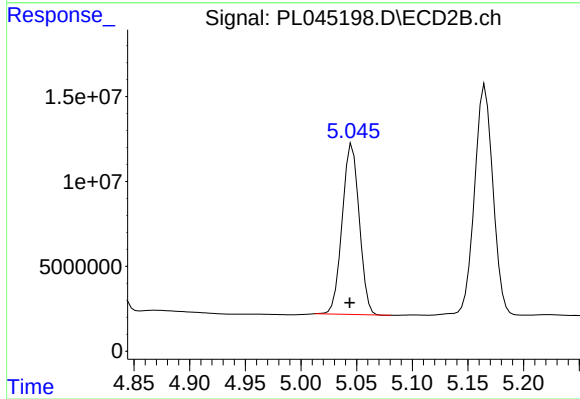
#7 delta-BHC

R.T.: 4.521 min  
Delta R.T.: 0.001 min  
Response: 461855292  
Conc: 48.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

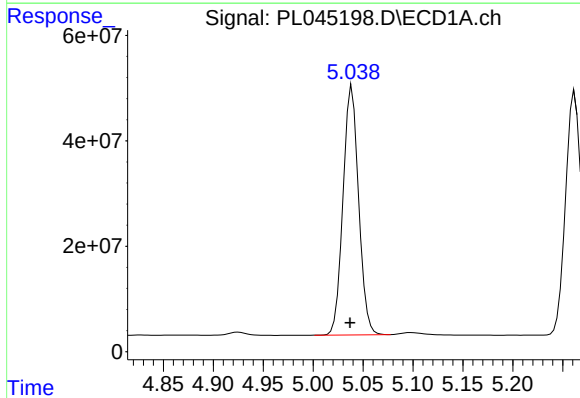
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



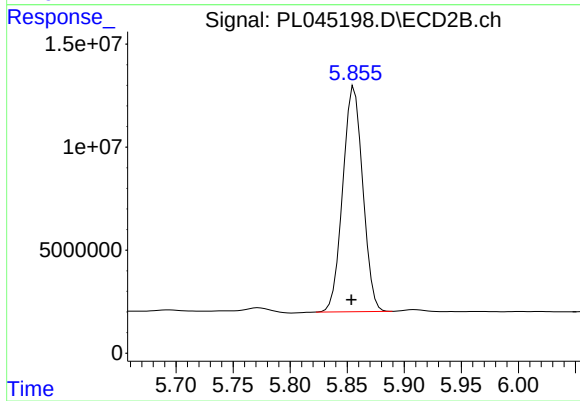
#7 delta-BHC

R.T.: 5.046 min  
Delta R.T.: 0.002 min  
Response: 107010108  
Conc: 49.75 ng/ml



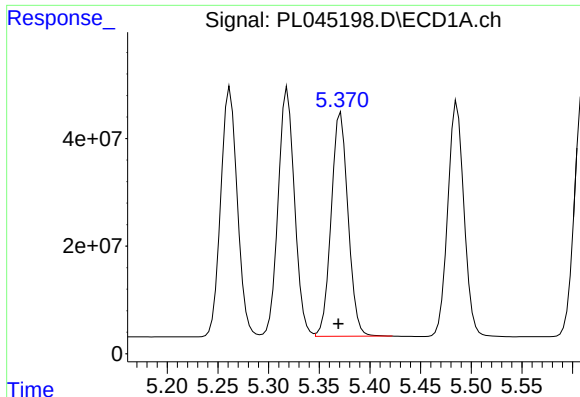
#8 Heptachlor epoxide

R.T.: 5.039 min  
Delta R.T.: 0.002 min  
Response: 513370040  
Conc: 55.01 ng/ml



#8 Heptachlor epoxide

R.T.: 5.856 min  
Delta R.T.: 0.003 min  
Response: 133493985  
Conc: 55.58 ng/ml



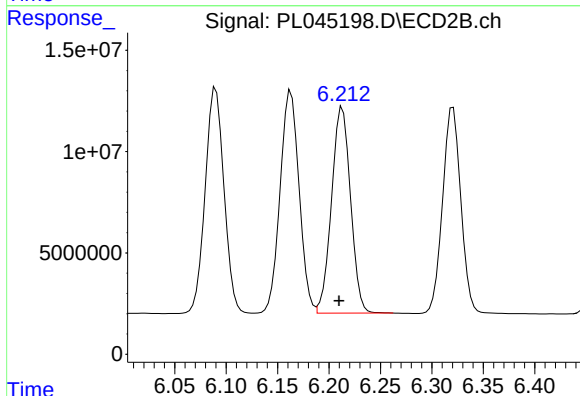
#9 Endosulfan I

R.T.: 5.371 min  
Delta R.T.: 0.002 min  
Response: 483360141  
Conc: 54.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

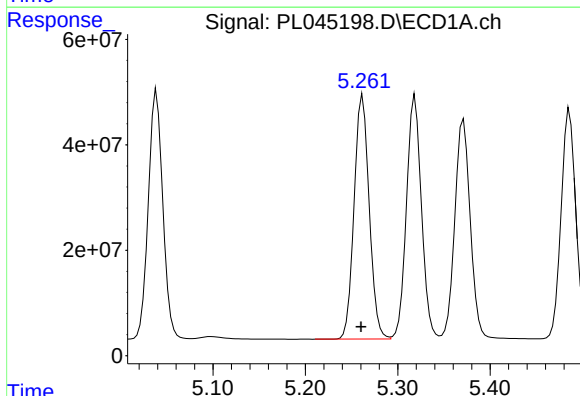
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



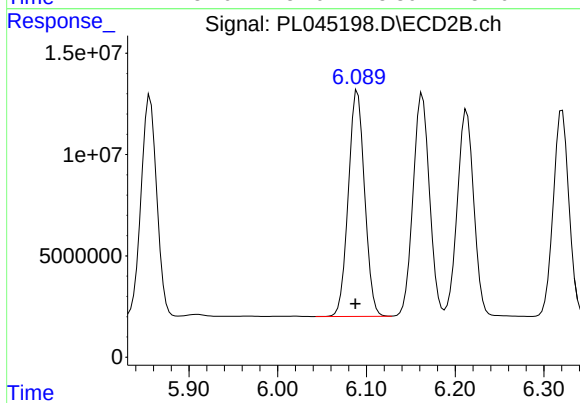
#9 Endosulfan I

R.T.: 6.213 min  
Delta R.T.: 0.003 min  
Response: 130985740  
Conc: 52.60 ng/ml



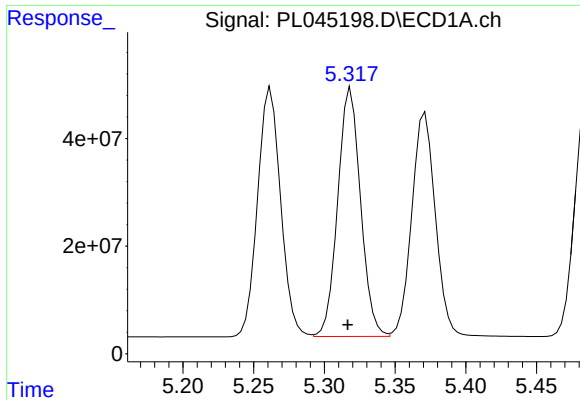
#10 gamma-Chlordane

R.T.: 5.262 min  
Delta R.T.: 0.002 min  
Response: 526053656  
Conc: 53.75 ng/ml



#10 gamma-Chlordane

R.T.: 6.090 min  
Delta R.T.: 0.002 min  
Response: 141989349  
Conc: 52.92 ng/ml



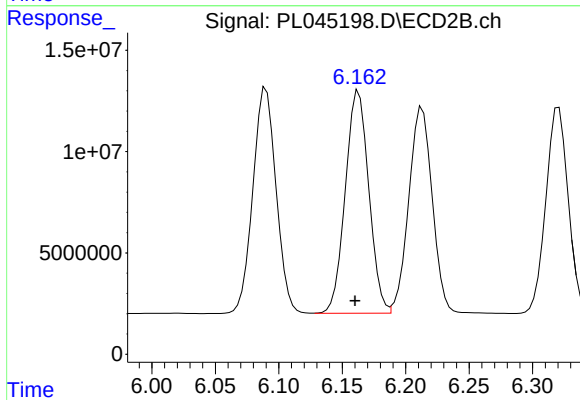
#11 alpha-Chlordane

R.T.: 5.319 min  
Delta R.T.: 0.002 min  
Response: 519326186  
Conc: 53.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

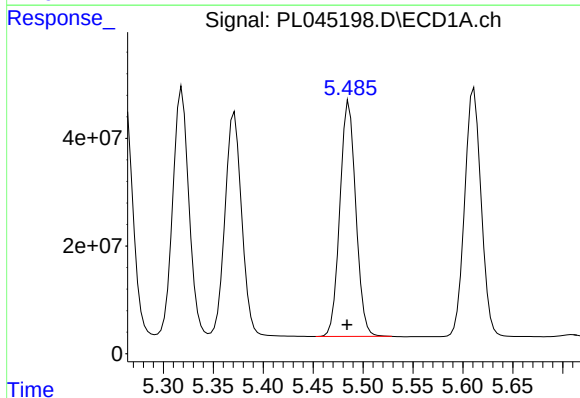
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



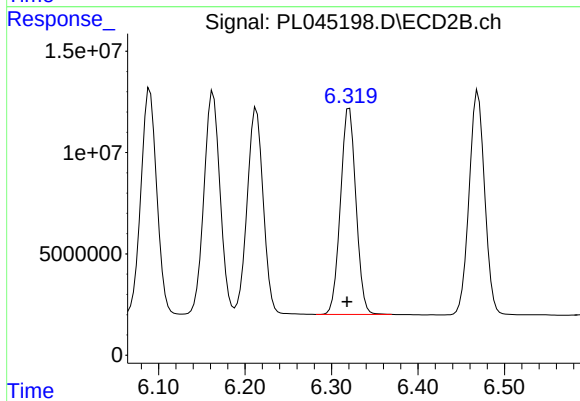
#11 alpha-Chlordane

R.T.: 6.163 min  
Delta R.T.: 0.003 min  
Response: 141638484  
Conc: 52.50 ng/ml



#12 4,4'-DDE

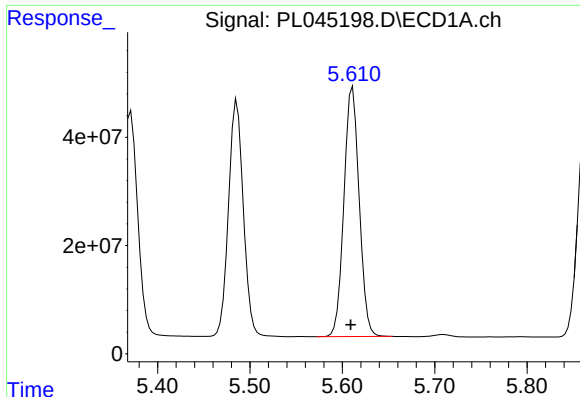
R.T.: 5.486 min  
Delta R.T.: 0.002 min  
Response: 485700158  
Conc: 55.33 ng/ml



#12 4,4'-DDE

R.T.: 6.321 min  
Delta R.T.: 0.003 min  
Response: 125644326  
Conc: 53.79 ng/ml





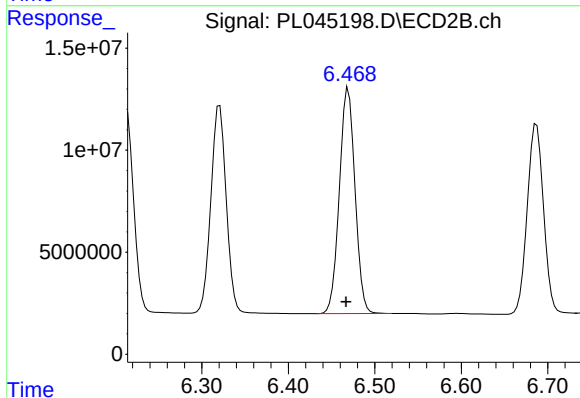
#13 Dieldrin

R.T.: 5.611 min  
Delta R.T.: 0.002 min  
Response: 529432726  
Conc: 55.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

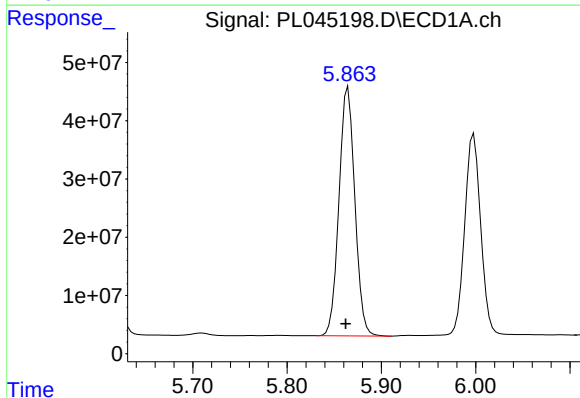
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



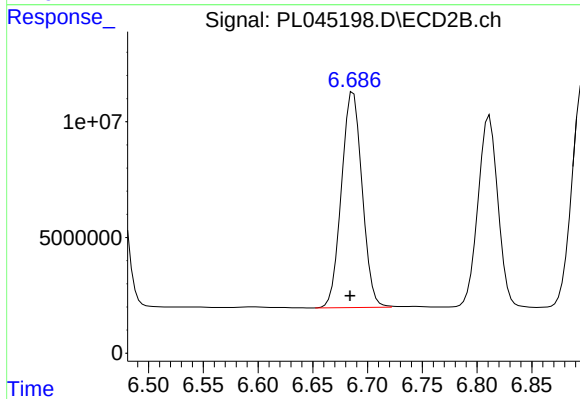
#13 Dieldrin

R.T.: 6.469 min  
Delta R.T.: 0.003 min  
Response: 138108131  
Conc: 53.74 ng/ml



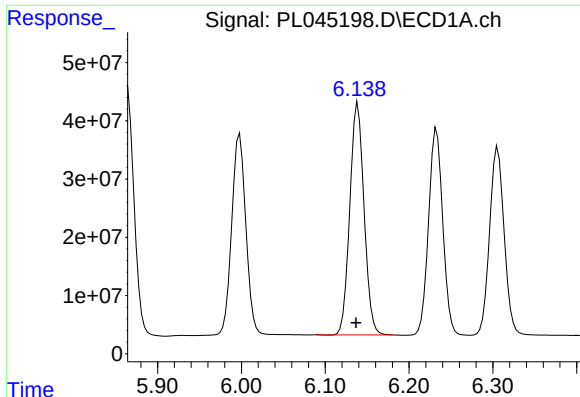
#14 Endrin

R.T.: 5.865 min  
Delta R.T.: 0.002 min  
Response: 499728398  
Conc: 55.49 ng/ml



#14 Endrin

R.T.: 6.687 min  
Delta R.T.: 0.003 min  
Response: 122429599  
Conc: 53.81 ng/ml



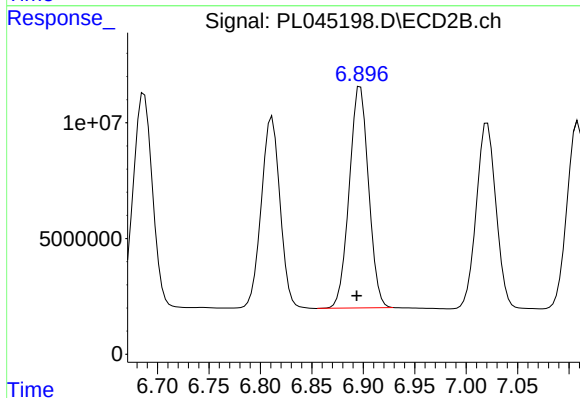
#15 Endosulfan II

R.T.: 6.139 min  
Delta R.T.: 0.002 min  
Response: 471191377  
Conc: 54.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

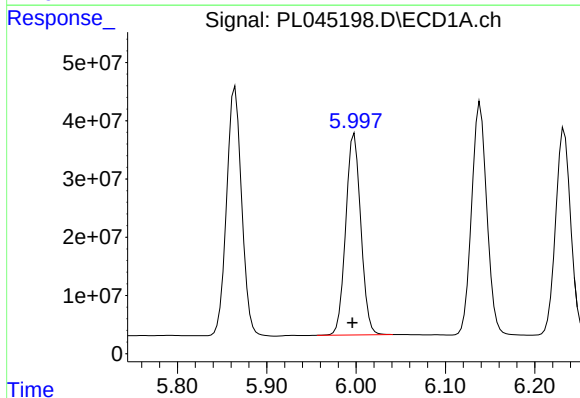
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



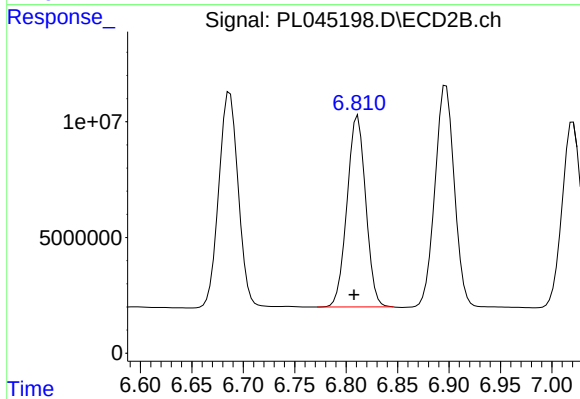
#15 Endosulfan II

R.T.: 6.897 min  
Delta R.T.: 0.004 min  
Response: 125060388  
Conc: 53.18 ng/ml



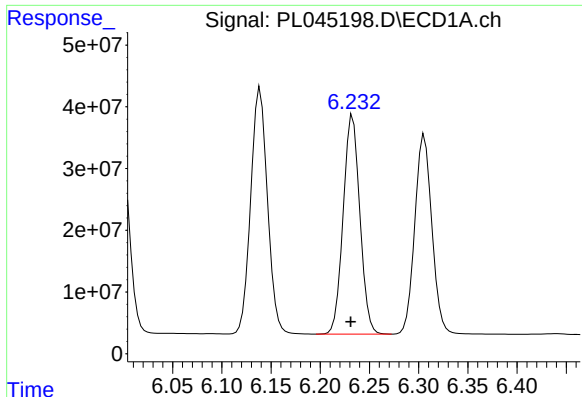
#16 4,4'-DDD

R.T.: 5.998 min  
Delta R.T.: 0.002 min  
Response: 404989734  
Conc: 55.31 ng/ml



#16 4,4'-DDD

R.T.: 6.811 min  
Delta R.T.: 0.004 min  
Response: 104407638  
Conc: 54.29 ng/ml



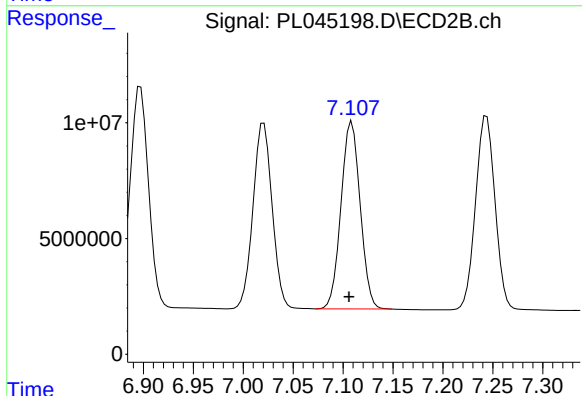
#17 4,4'-DDT

R.T.: 6.233 min  
Delta R.T.: 0.002 min  
Response: 418172224  
Conc: 55.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

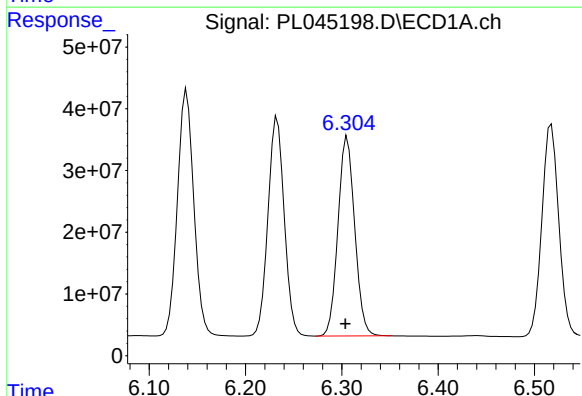
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



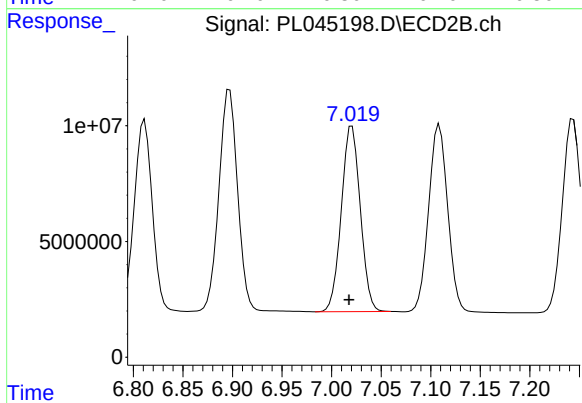
#17 4,4'-DDT

R.T.: 7.109 min  
Delta R.T.: 0.003 min  
Response: 108178578  
Conc: 54.82 ng/ml



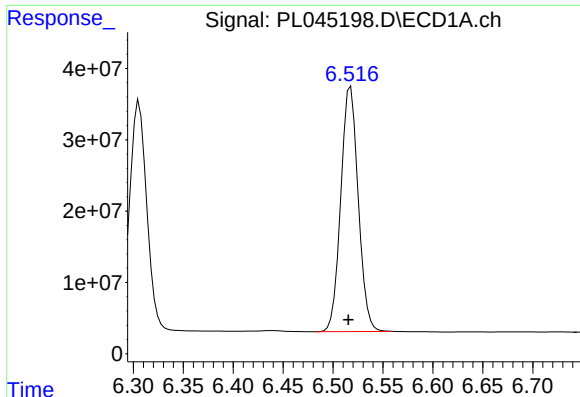
#18 Endrin aldehyde

R.T.: 6.306 min  
Delta R.T.: 0.002 min  
Response: 389104298  
Conc: 53.23 ng/ml



#18 Endrin aldehyde

R.T.: 7.021 min  
Delta R.T.: 0.003 min  
Response: 106776097  
Conc: 52.23 ng/ml



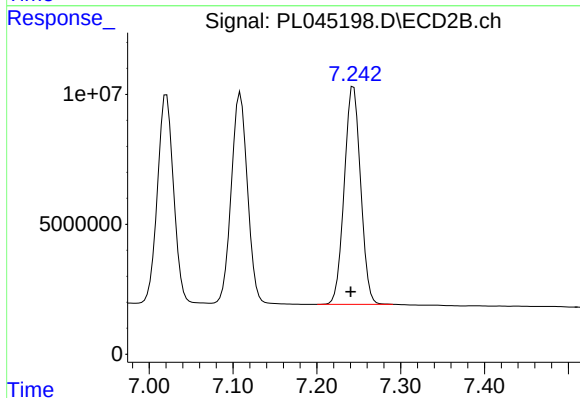
#19 Endosulfan Sulfate

R.T.: 6.518 min  
Delta R.T.: 0.002 min  
Response: 417583023  
Conc: 51.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

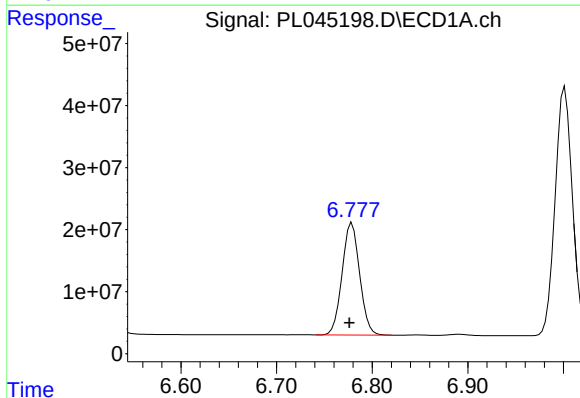
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



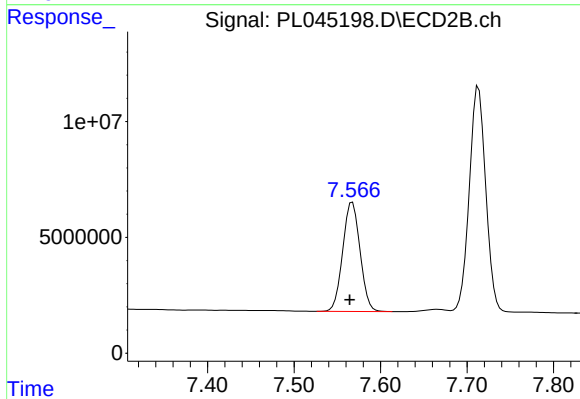
#19 Endosulfan Sulfate

R.T.: 7.244 min  
Delta R.T.: 0.003 min  
Response: 113723940  
Conc: 50.56 ng/ml



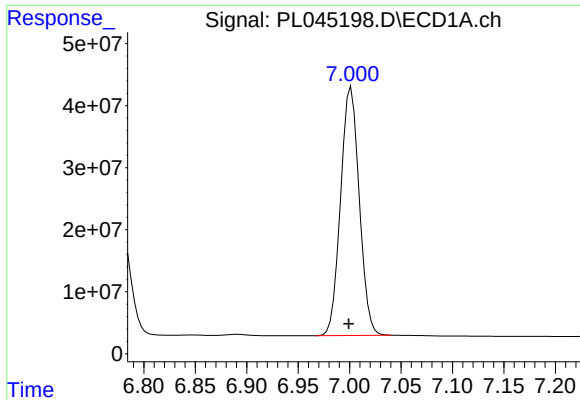
#20 Methoxychlor

R.T.: 6.779 min  
Delta R.T.: 0.003 min  
Response: 231337472  
Conc: 52.68 ng/ml



#20 Methoxychlor

R.T.: 7.567 min  
Delta R.T.: 0.003 min  
Response: 65279236  
Conc: 53.18 ng/ml



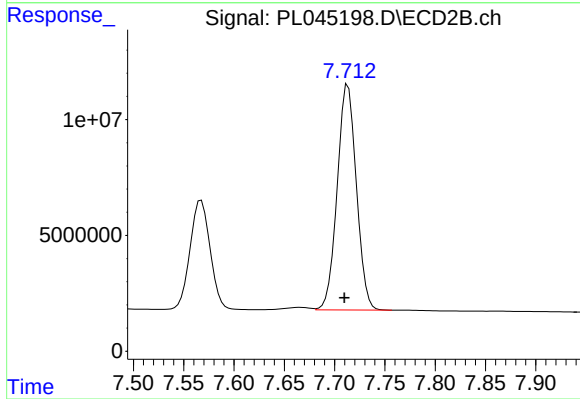
#21 Endrin ketone

R.T.: 7.002 min  
Delta R.T.: 0.002 min  
Response: 505717318  
Conc: 54.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
OK-02-022519MSD

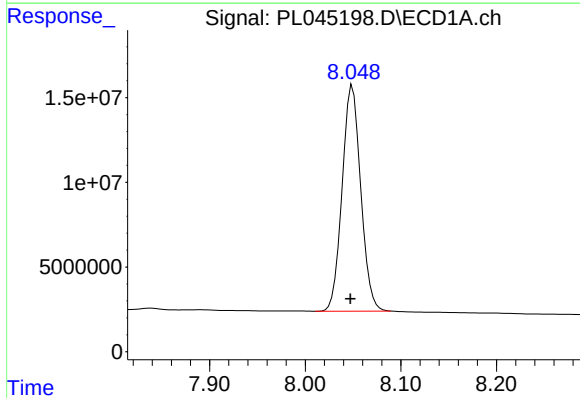
Manual Integrations  
APPROVED

Sohil  
2/28/2019 11:50:46 AM



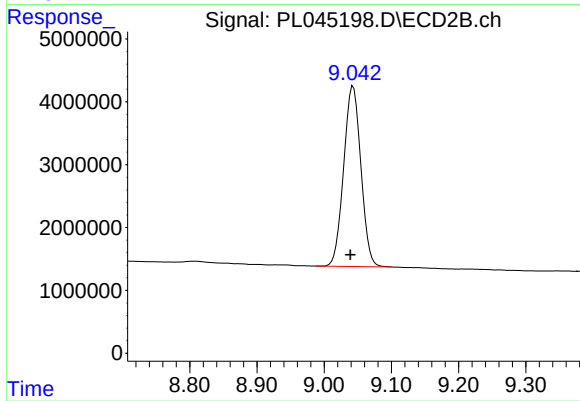
#21 Endrin ketone

R.T.: 7.713 min  
Delta R.T.: 0.004 min  
Response: 128874849  
Conc: 54.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.049 min  
Delta R.T.: 0.002 min  
Response: 180940160  
Conc: 21.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.043 min  
Delta R.T.: 0.004 min  
Response: 51065564  
Conc: 22.35 ng/ml