

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040320\  
 Data File : PL057768.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Apr 2020 15:09  
 Operator : AJ\MA  
 Sample : PB127995BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB127995BS

Manual Integrations  
 APPROVED

mohammad  
 4/6/2020 1:31:14 PM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 04 07:43:08 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL040320.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 04 06:41:11 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... | 3.462 | 3.956 | 208.3E6 | 42866404 | 20.666 | 19.753  |
| 28)                         | SA Decachlor... | 8.211 | 8.981 | 226.7E6 | 47685067 | 21.993 | 21.347  |
| Target Compounds            |                 |       |       |         |          |        |         |
| 2)                          | A alpha-BHC     | 3.900 | 4.343 | 883.5E6 | 159.0E6  | 50.861 | 48.414  |
| 3)                          | MA gamma-BHC... | 4.184 | 4.626 | 752.6E6 | 155.0E6  | 51.775 | 47.720  |
| 4)                          | MA Heptachlor   | 4.484 | 5.128 | 840.3E6 | 168.7E6  | 52.421 | 50.274  |
| 5)                          | MB Aldrin       | 4.732 | 5.430 | 783.6E6 | 164.2E6  | 53.218 | 50.698  |
| 6)                          | B beta-BHC      | 4.436 | 4.799 | 340.6E6 | 74663191 | 53.927 | 53.769  |
| 7)                          | B delta-BHC     | 4.640 | 5.012 | 771.1E6 | 127.5E6  | 50.812 | 50.952m |
| 8)                          | B Heptachlo...  | 5.175 | 5.815 | 714.6E6 | 140.0E6  | 53.170 | 51.833  |
| 9)                          | A Endosulfan I  | 5.514 | 6.170 | 662.5E6 | 151.5E6  | 54.052 | 50.817  |
| 10)                         | B gamma-Chl...  | 5.402 | 6.049 | 721.0E6 | 165.3E6  | 53.091 | 51.016  |
| 11)                         | B alpha-Chl...  | 5.460 | 6.120 | 695.3E6 | 163.6E6  | 52.214 | 49.983  |
| 12)                         | B 4,4'-DDE      | 5.624 | 6.279 | 700.2E6 | 152.9E6  | 53.449 | 51.659  |
| 13)                         | MA Dieldrin     | 5.757 | 6.425 | 705.6E6 | 155.6E6  | 54.236 | 50.933  |
| 14)                         | MA Endrin       | 6.013 | 6.641 | 627.6E6 | 124.6E6  | 53.769 | 49.863  |
| 15)                         | B Endosulfa...  | 6.287 | 6.852 | 571.0E6 | 123.7E6  | 51.615 | 47.678  |
| 16)                         | A 4,4'-DDD      | 6.140 | 6.768 | 537.4E6 | 115.7E6  | 53.771 | 50.715  |
| 17)                         | MA 4,4'-DDT     | 6.379 | 7.065 | 552.2E6 | 111.2E6  | 54.406 | 49.903  |
| 18)                         | B Endrin al...  | 6.455 | 6.976 | 489.1E6 | 107.7E6  | 52.309 | 48.483  |
| 19)                         | B Endosulfa...  | 6.668 | 7.199 | 550.9E6 | 118.6E6  | 54.225 | 49.973  |
| 20)                         | A Methoxychlor  | 6.924 | 7.525 | 298.2E6 | 62389077 | 54.094 | 49.047  |
| 21)                         | B Endrin ke...  | 7.158 | 7.667 | 613.8E6 | 125.2E6  | 55.133 | 50.660  |
| 22)                         | Mirex           | 7.345 | 8.117 | 436.8E6 | 92942448 | 53.285 | 50.550  |
| -----                       |                 |       |       |         |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040320\  
Data File : PL057768.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Apr 2020 15:09  
Operator : AJ\MA  
Sample : PB127995BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

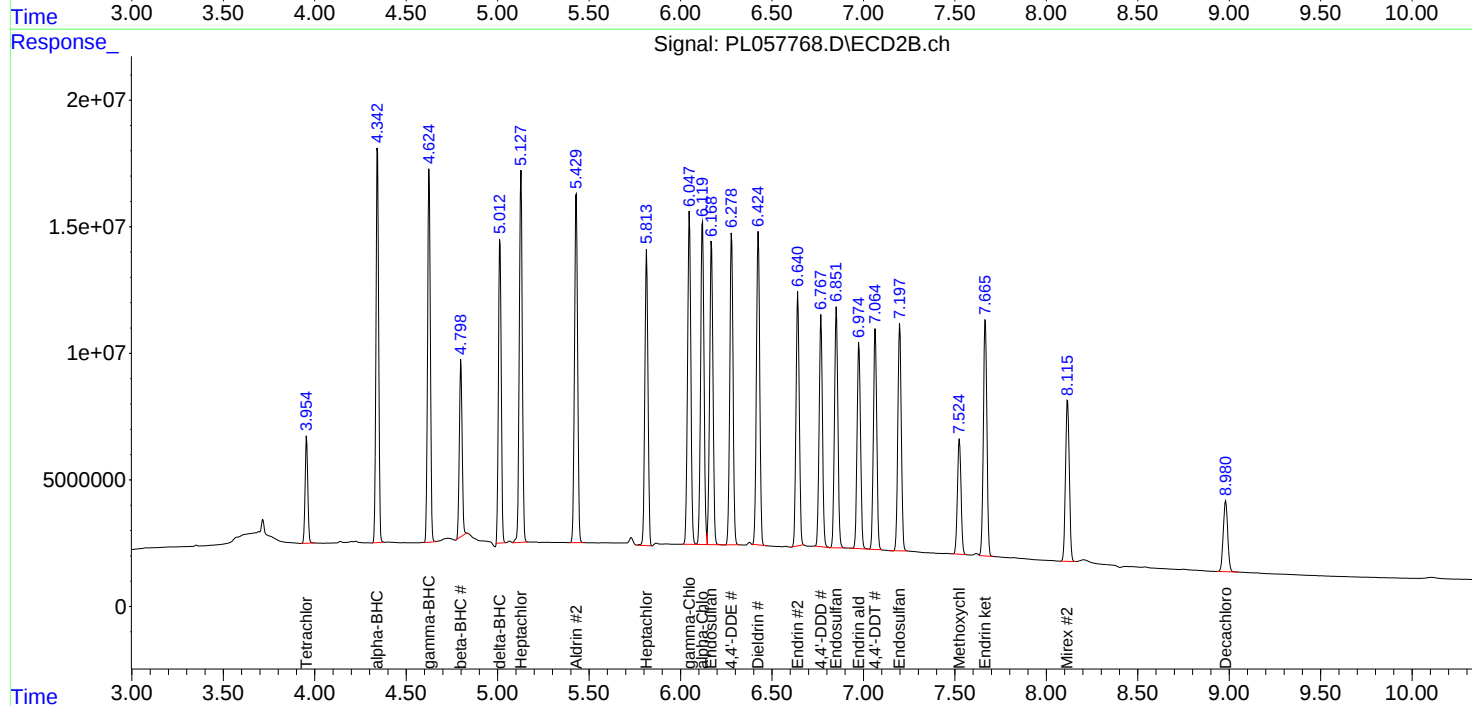
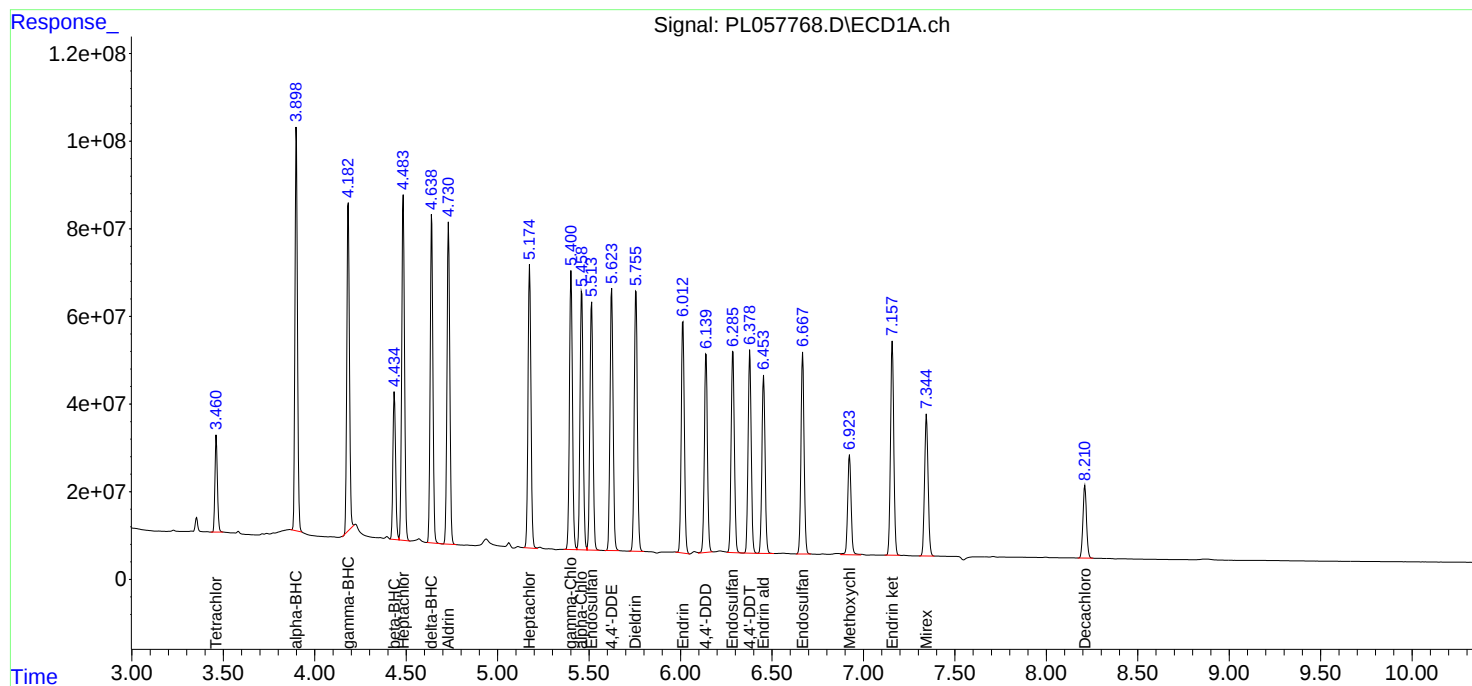
Instrument :  
ECD\_L  
ClientSampled :  
PB127995BS

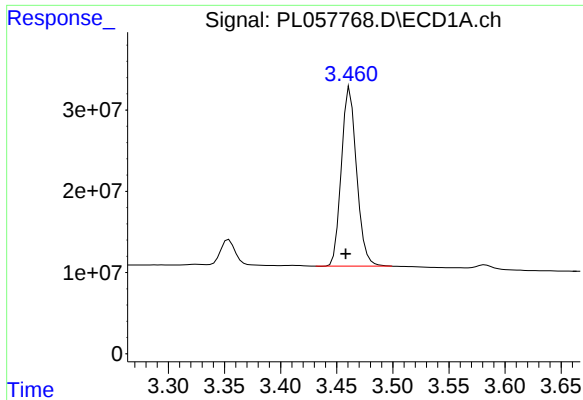
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 04 07:43:08 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL040320.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 04 06:41:11 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





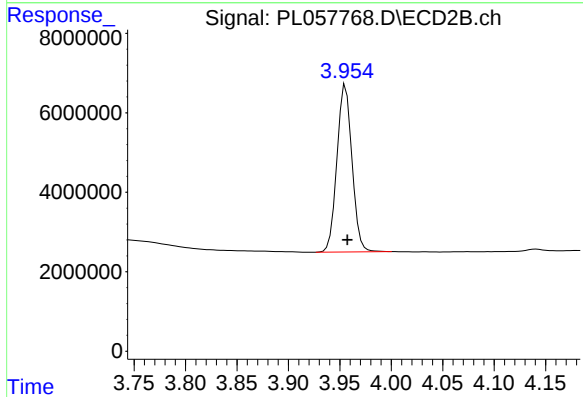
#1 Tetrachloro-m-xylene

R.T.: 3.462 min  
Delta R.T.: 0.004 min  
Response: 208331877  
Conc: 20.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

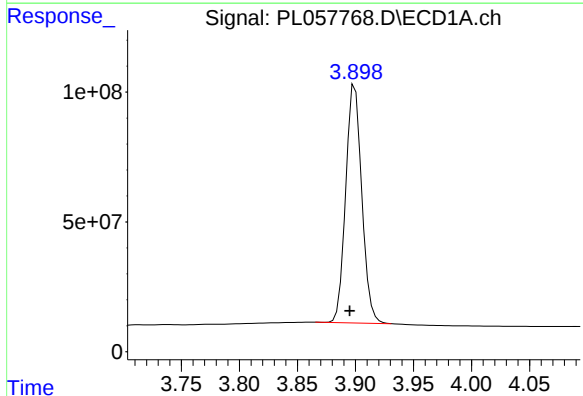
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



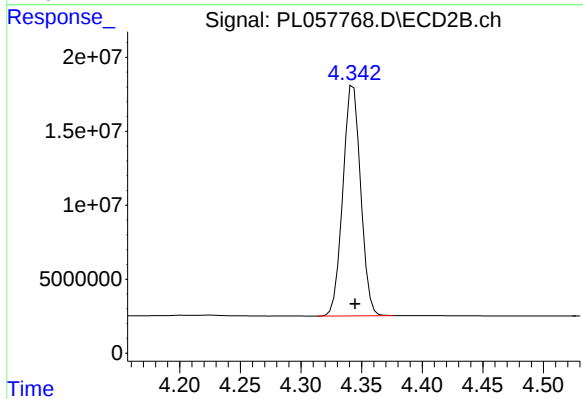
#1 Tetrachloro-m-xylene

R.T.: 3.956 min  
Delta R.T.: -0.002 min  
Response: 42866404  
Conc: 19.75 ng/ml



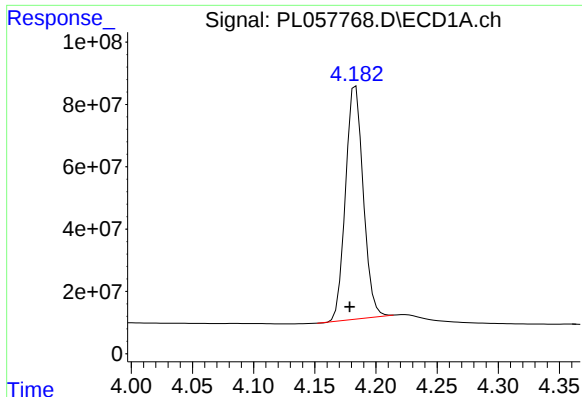
#2 alpha-BHC

R.T.: 3.900 min  
Delta R.T.: 0.005 min  
Response: 883546453  
Conc: 50.86 ng/ml



#2 alpha-BHC

R.T.: 4.343 min  
Delta R.T.: -0.002 min  
Response: 158974543  
Conc: 48.41 ng/ml



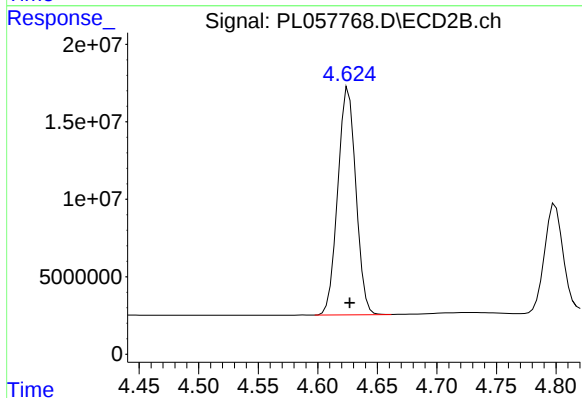
#3 gamma-BHC (Lindane)

R.T.: 4.184 min  
Delta R.T.: 0.005 min  
Response: 752566796  
Conc: 51.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

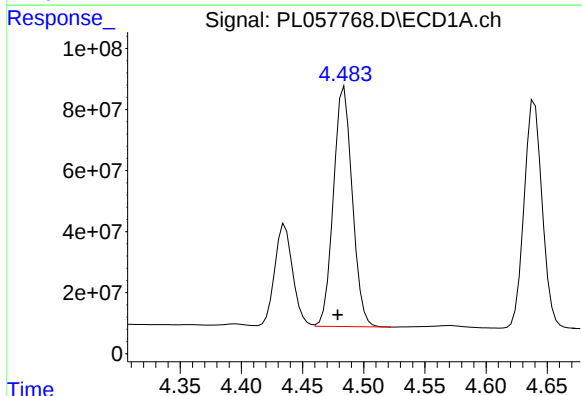
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



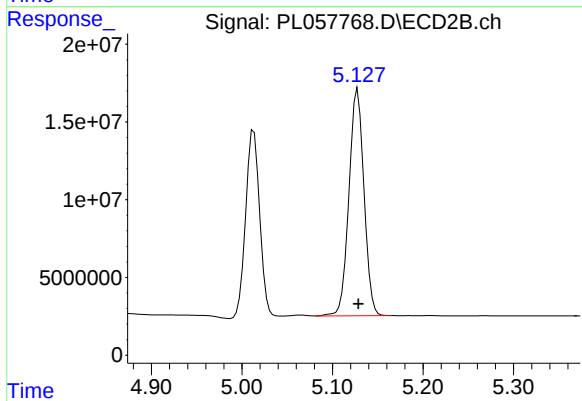
#3 gamma-BHC (Lindane)

R.T.: 4.626 min  
Delta R.T.: -0.001 min  
Response: 155020794  
Conc: 47.72 ng/ml



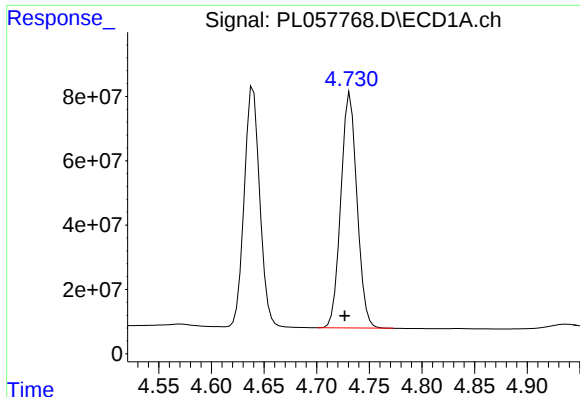
#4 Heptachlor

R.T.: 4.484 min  
Delta R.T.: 0.005 min  
Response: 840333226  
Conc: 52.42 ng/ml



#4 Heptachlor

R.T.: 5.128 min  
Delta R.T.: 0.000 min  
Response: 168726969  
Conc: 50.27 ng/ml



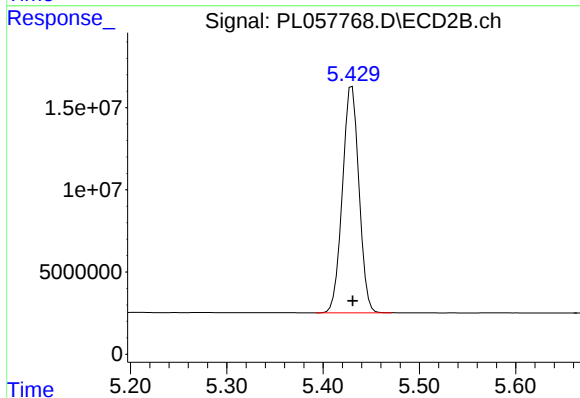
#5 Aldrin

R.T.: 4.732 min  
Delta R.T.: 0.005 min  
Response: 783628887  
Conc: 53.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

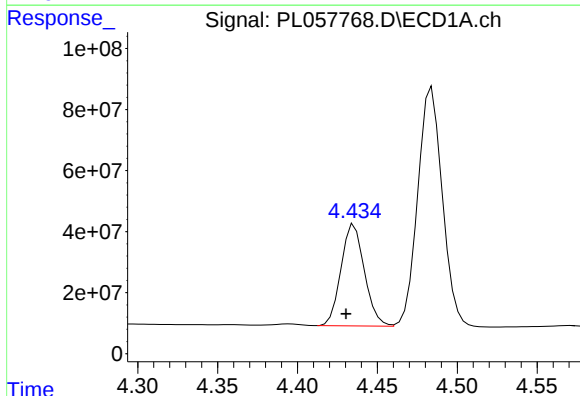
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



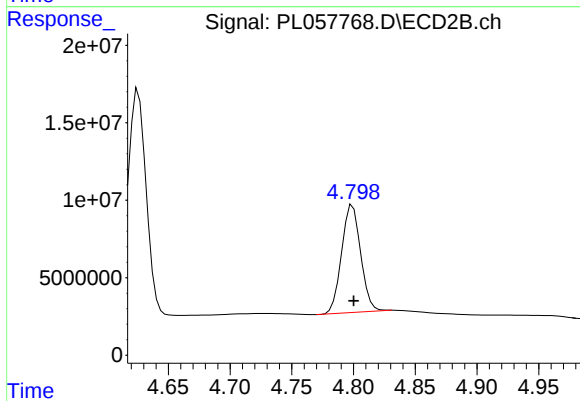
#5 Aldrin

R.T.: 5.430 min  
Delta R.T.: 0.000 min  
Response: 164169479  
Conc: 50.70 ng/ml



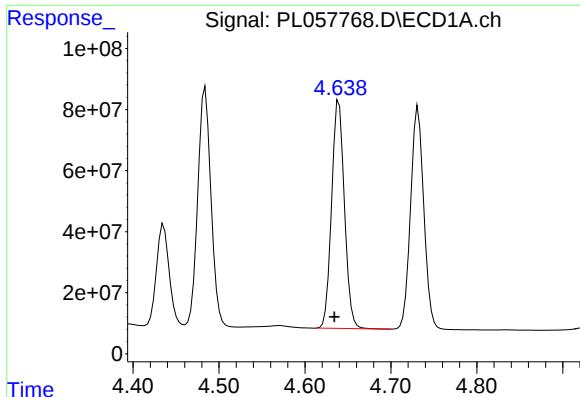
#6 beta-BHC

R.T.: 4.436 min  
Delta R.T.: 0.005 min  
Response: 340566114  
Conc: 53.93 ng/ml



#6 beta-BHC

R.T.: 4.799 min  
Delta R.T.: -0.001 min  
Response: 74663191  
Conc: 53.77 ng/ml



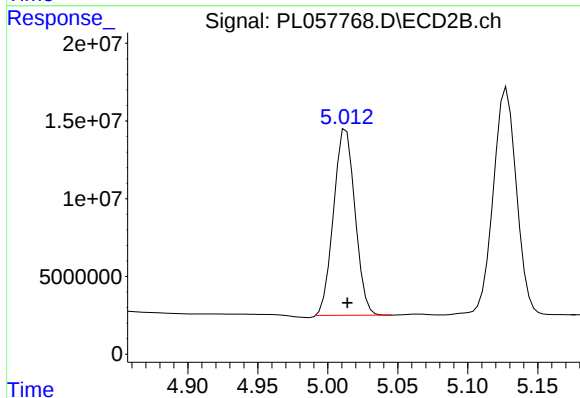
#7 delta-BHC

R.T.: 4.640 min  
Delta R.T.: 0.005 min  
Response: 771137121  
Conc: 50.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

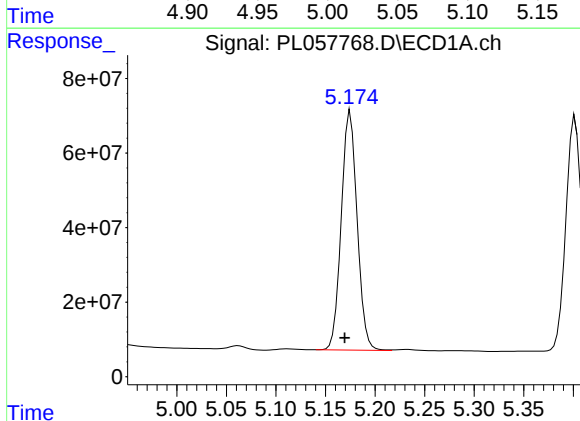
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



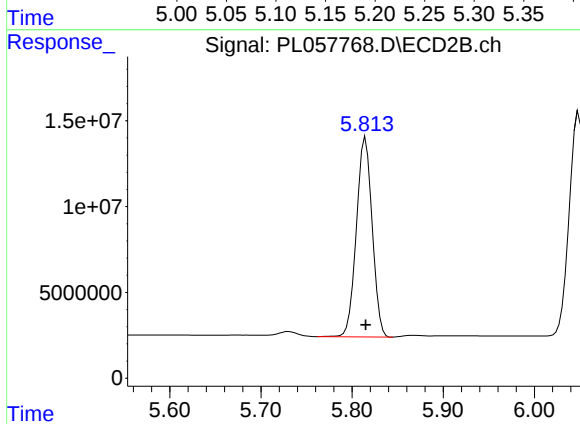
#7 delta-BHC

R.T.: 5.012 min  
Delta R.T.: -0.002 min  
Response: 127488951  
Conc: 50.95 ng/ml m



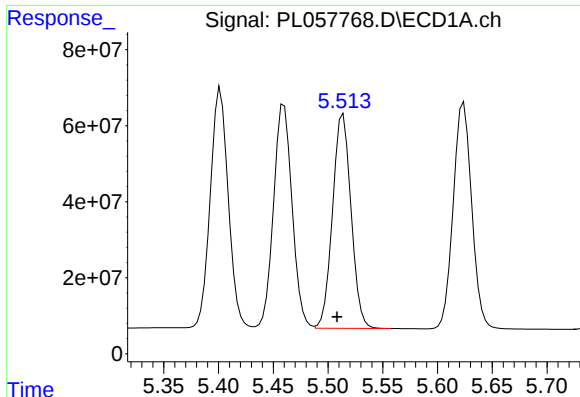
#8 Heptachlor epoxide

R.T.: 5.175 min  
Delta R.T.: 0.006 min  
Response: 714606615  
Conc: 53.17 ng/ml



#8 Heptachlor epoxide

R.T.: 5.815 min  
Delta R.T.: 0.000 min  
Response: 139965599  
Conc: 51.83 ng/ml



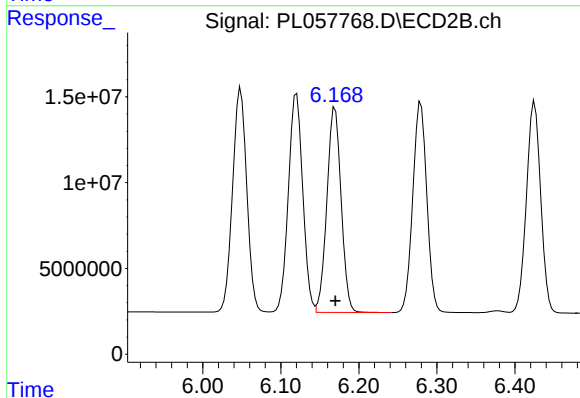
#9 Endosulfan I

R.T.: 5.514 min  
Delta R.T.: 0.006 min  
Response: 662502467  
Conc: 54.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

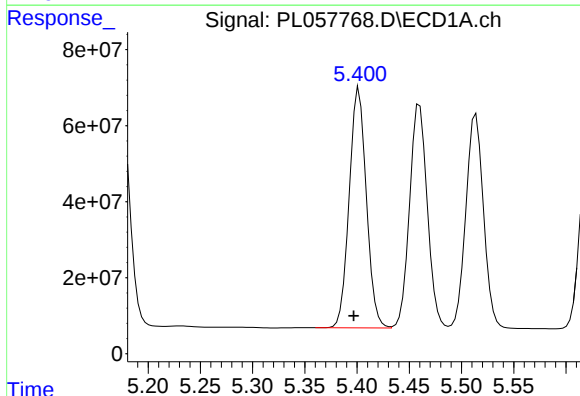
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



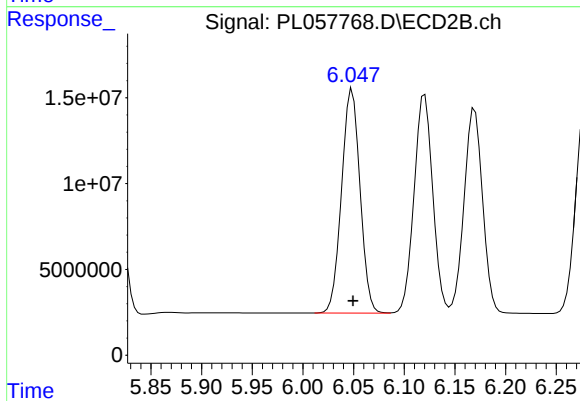
#9 Endosulfan I

R.T.: 6.170 min  
Delta R.T.: 0.000 min  
Response: 151523148  
Conc: 50.82 ng/ml



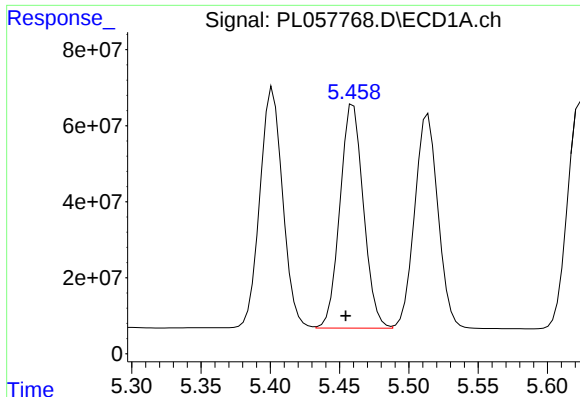
#10 gamma-Chlordane

R.T.: 5.402 min  
Delta R.T.: 0.005 min  
Response: 721048660  
Conc: 53.09 ng/ml



#10 gamma-Chlordane

R.T.: 6.049 min  
Delta R.T.: 0.000 min  
Response: 165284136  
Conc: 51.02 ng/ml



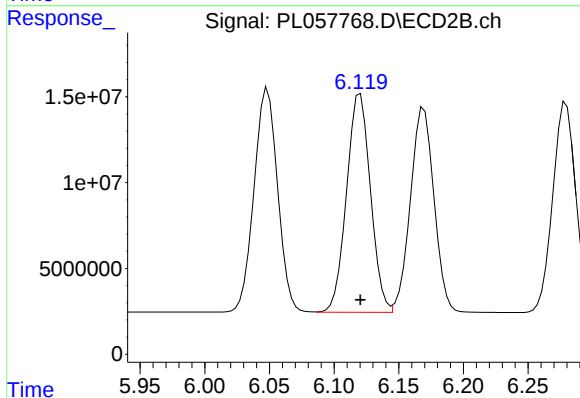
#11 alpha-Chlordane

R.T.: 5.460 min  
Delta R.T.: 0.005 min  
Response: 695259883  
Conc: 52.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

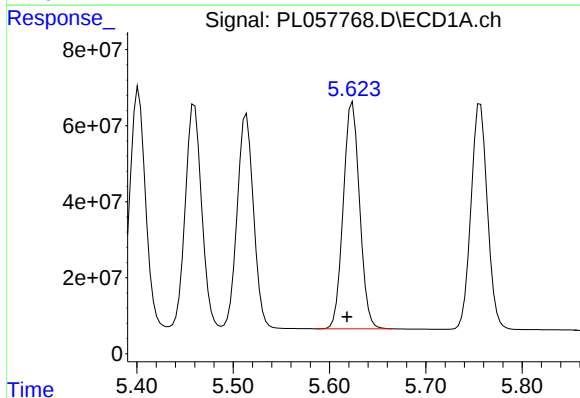
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



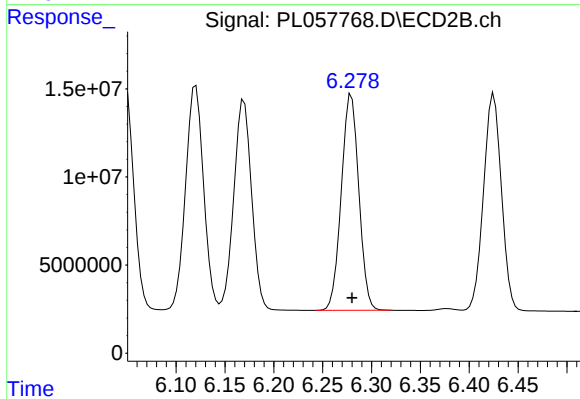
#11 alpha-Chlordane

R.T.: 6.120 min  
Delta R.T.: 0.000 min  
Response: 163561834  
Conc: 49.98 ng/ml



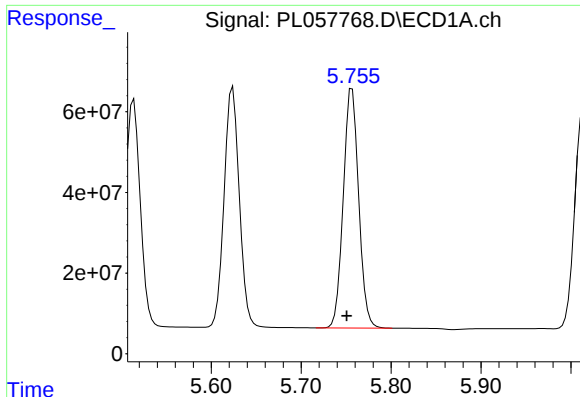
#12 4,4'-DDE

R.T.: 5.624 min  
Delta R.T.: 0.006 min  
Response: 700187569  
Conc: 53.45 ng/ml



#12 4,4'-DDE

R.T.: 6.279 min  
Delta R.T.: 0.000 min  
Response: 152945101  
Conc: 51.66 ng/ml



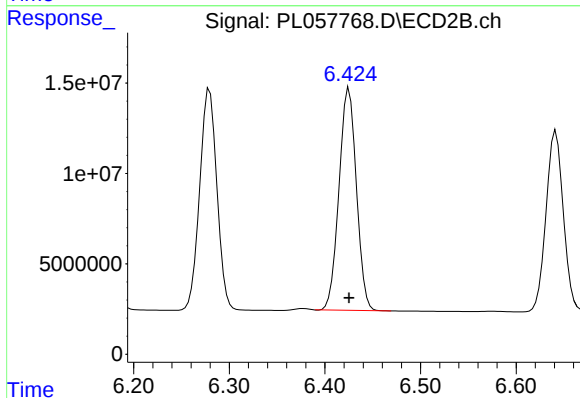
#13 Dieldrin

R.T.: 5.757 min  
Delta R.T.: 0.006 min  
Response: 705562329  
Conc: 54.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

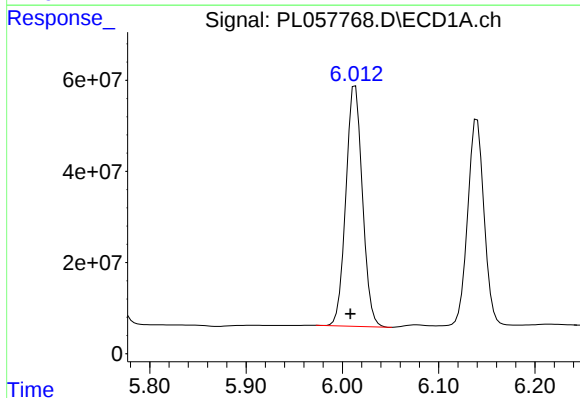
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



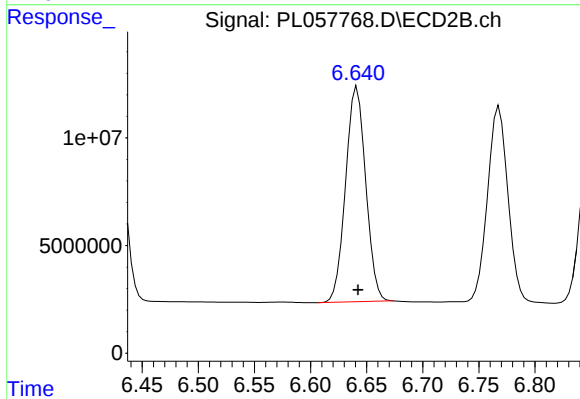
#13 Dieldrin

R.T.: 6.425 min  
Delta R.T.: 0.000 min  
Response: 155631477  
Conc: 50.93 ng/ml



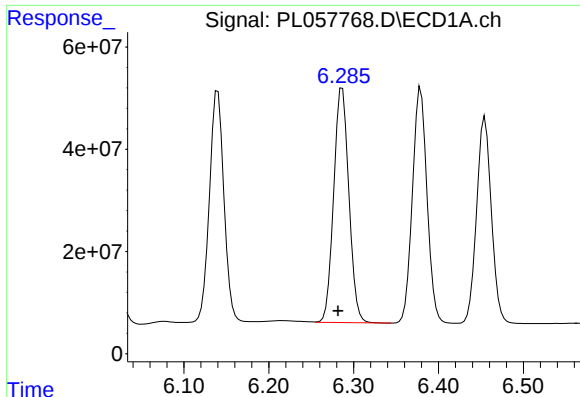
#14 Endrin

R.T.: 6.013 min  
Delta R.T.: 0.005 min  
Response: 627639042  
Conc: 53.77 ng/ml



#14 Endrin

R.T.: 6.641 min  
Delta R.T.: 0.000 min  
Response: 124584923  
Conc: 49.86 ng/ml



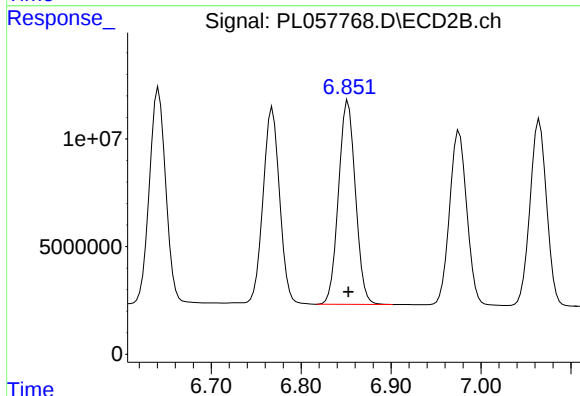
#15 Endosulfan II

R.T.: 6.287 min  
Delta R.T.: 0.005 min  
Response: 570976352  
Conc: 51.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

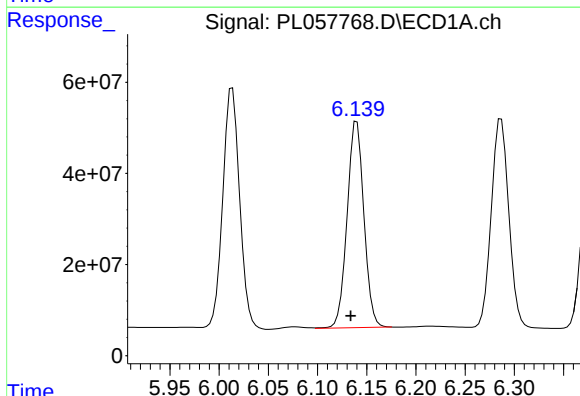
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



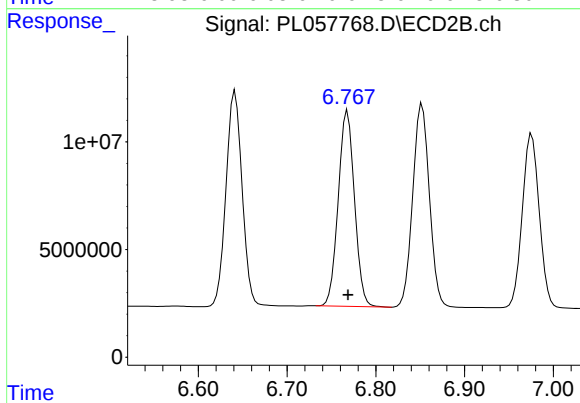
#15 Endosulfan II

R.T.: 6.852 min  
Delta R.T.: 0.000 min  
Response: 123660231  
Conc: 47.68 ng/ml



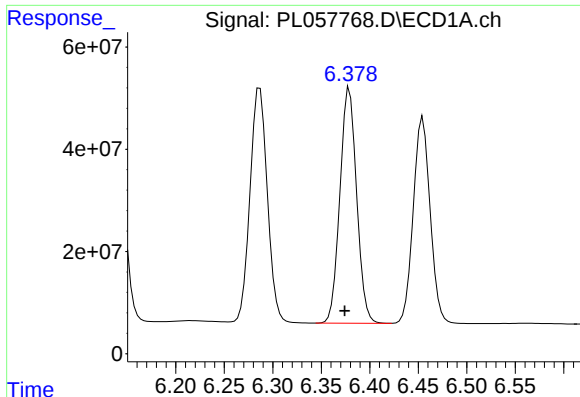
#16 4,4'-DDD

R.T.: 6.140 min  
Delta R.T.: 0.006 min  
Response: 537417477  
Conc: 53.77 ng/ml



#16 4,4'-DDD

R.T.: 6.768 min  
Delta R.T.: 0.000 min  
Response: 115740880  
Conc: 50.72 ng/ml



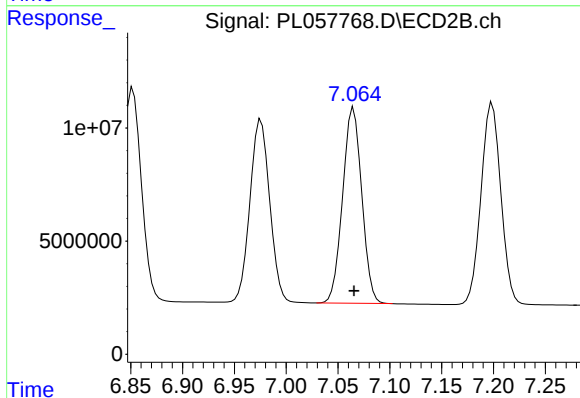
#17 4,4'-DDT

R.T.: 6.379 min  
Delta R.T.: 0.005 min  
Response: 552192127  
Conc: 54.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

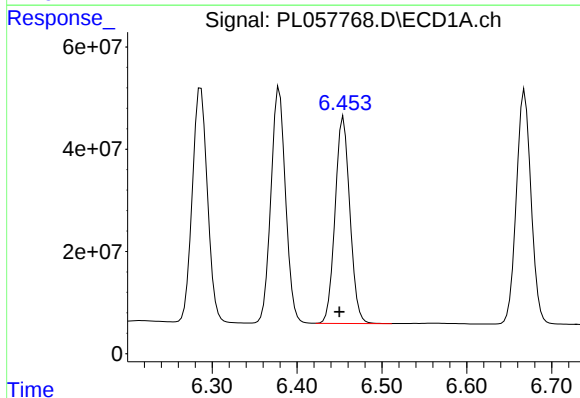
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



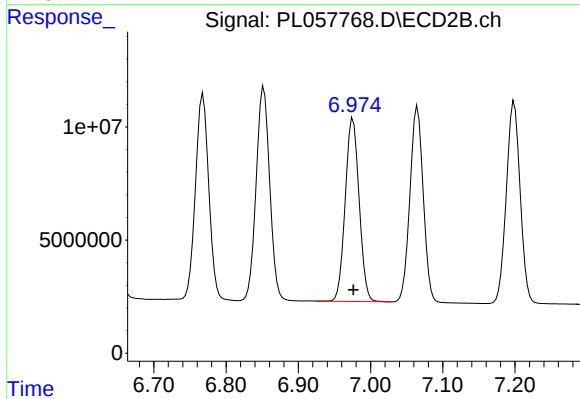
#17 4,4'-DDT

R.T.: 7.065 min  
Delta R.T.: 0.000 min  
Response: 111152726  
Conc: 49.90 ng/ml



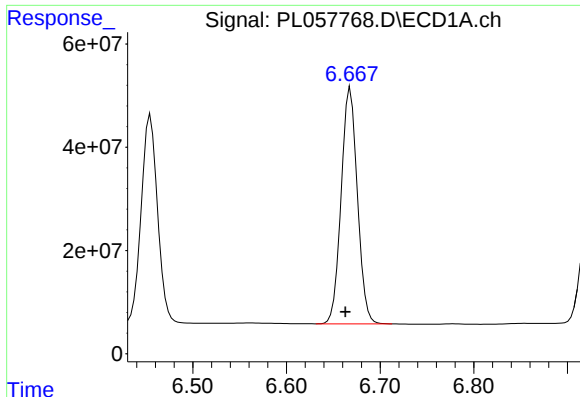
#18 Endrin aldehyde

R.T.: 6.455 min  
Delta R.T.: 0.005 min  
Response: 489067219  
Conc: 52.31 ng/ml



#18 Endrin aldehyde

R.T.: 6.976 min  
Delta R.T.: 0.000 min  
Response: 107711635  
Conc: 48.48 ng/ml



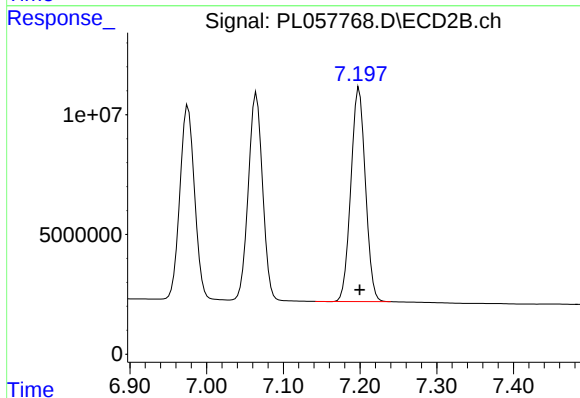
#19 Endosulfan Sulfate

R.T.: 6.668 min  
Delta R.T.: 0.005 min  
Response: 550908276  
Conc: 54.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

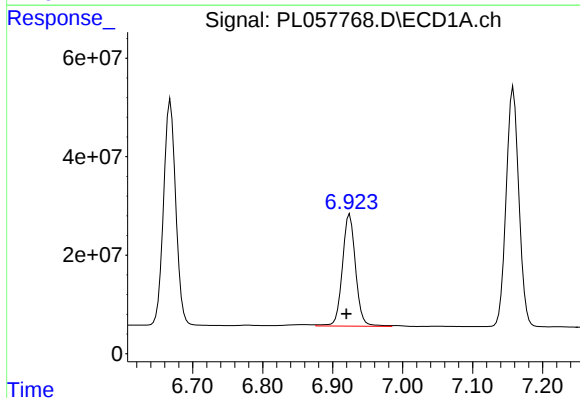
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



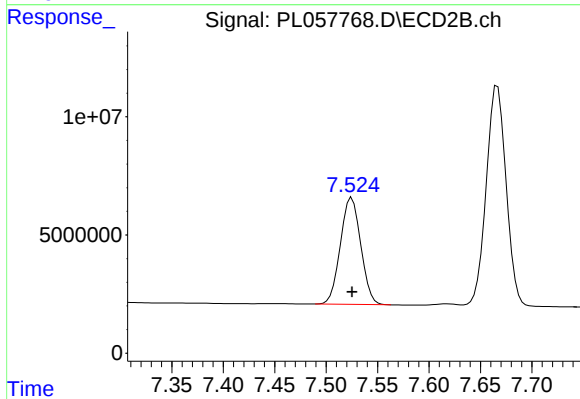
#19 Endosulfan Sulfate

R.T.: 7.199 min  
Delta R.T.: 0.000 min  
Response: 118588581  
Conc: 49.97 ng/ml



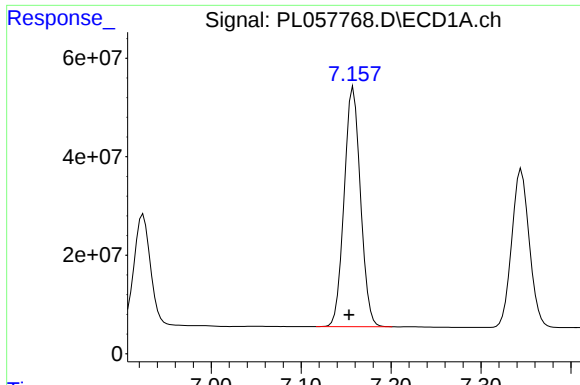
#20 Methoxychlor

R.T.: 6.924 min  
Delta R.T.: 0.005 min  
Response: 298200875  
Conc: 54.09 ng/ml



#20 Methoxychlor

R.T.: 7.525 min  
Delta R.T.: 0.000 min  
Response: 62389077  
Conc: 49.05 ng/ml



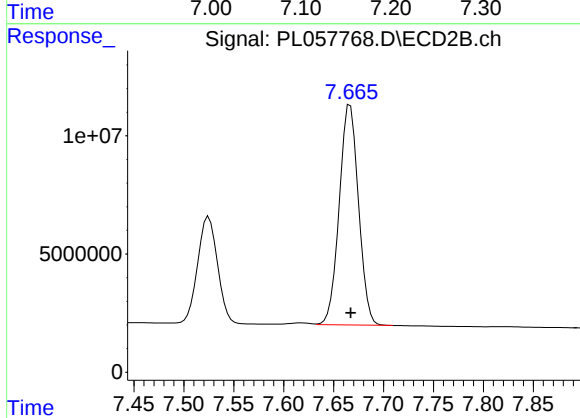
#21 Endrin ketone

R.T.: 7.158 min  
Delta R.T.: 0.005 min  
Response: 613784424  
Conc: 55.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

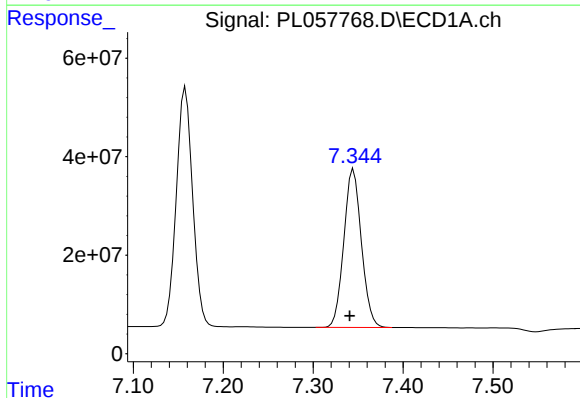
Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



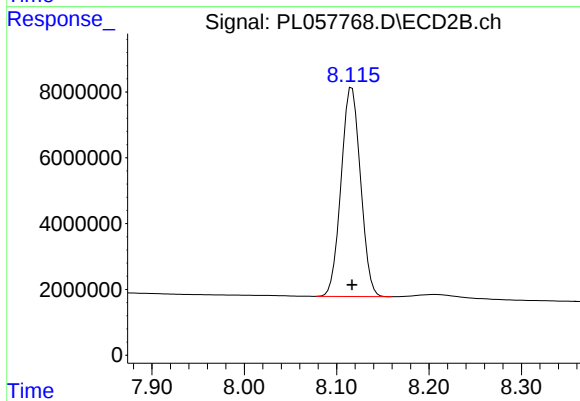
#21 Endrin ketone

R.T.: 7.667 min  
Delta R.T.: 0.000 min  
Response: 125232273  
Conc: 50.66 ng/ml



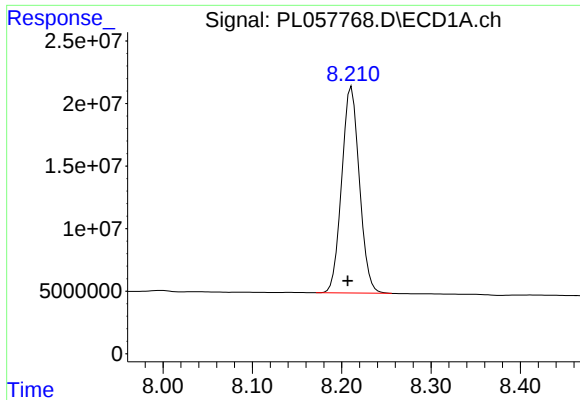
#22 Mirex

R.T.: 7.345 min  
Delta R.T.: 0.004 min  
Response: 436790231  
Conc: 53.29 ng/ml



#22 Mirex

R.T.: 8.117 min  
Delta R.T.: 0.000 min  
Response: 92942448  
Conc: 50.55 ng/ml



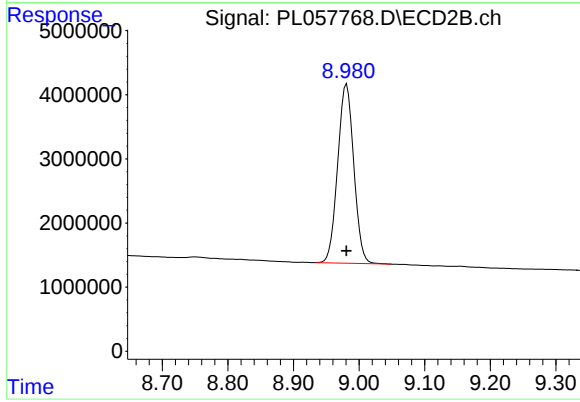
#28 Decachlorobiphenyl

R.T.: 8.211 min  
Delta R.T.: 0.004 min  
Response: 226718971  
Conc: 21.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB127995BS

Manual Integrations  
APPROVED

mohammad  
4/6/2020 1:31:14 PM



#28 Decachlorobiphenyl

R.T.: 8.981 min  
Delta R.T.: 0.000 min  
Response: 47685067  
Conc: 21.35 ng/ml