

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL030320\  
 Data File : PL057019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Mar 2020 10:18  
 Operator : AJ\MA  
 Sample : L1369-06MSD  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PL-02-022820MSD

Manual Integrations  
 APPROVED

mohammad  
 3/5/2020 11:40:47 AM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 04 15:20:17 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030320.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 04 03:55:01 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... | 3.460 | 3.958 | 193.8E6 | 50066660 | 22.737  | 23.467  |
| 28)                         | SA Decachlor... | 8.213 | 8.984 | 216.9E6 | 45079344 | 22.446  | 21.216  |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.898 | 4.345 | 863.5E6 | 194.8E6  | 58.269  | 61.670  |
| 3)                          | MA gamma-BHC... | 4.181 | 4.627 | 826.0E6 | 183.7E6  | 60.113  | 59.081  |
| 4)                          | MA Heptachlor   | 4.482 | 5.129 | 796.2E6 | 188.9E6  | 58.616  | 60.680m |
| 5)                          | MB Aldrin       | 4.729 | 5.432 | 762.4E6 | 193.8E6  | 59.046m | 64.825  |
| 6)                          | B beta-BHC      | 4.433 | 4.800 | 326.8E6 | 83983903 | 61.686  | 59.590  |
| 7)                          | B delta-BHC     | 4.637 | 5.014 | 778.2E6 | 133.6E6  | 59.652  | 54.880  |
| 8)                          | B Heptachlo...  | 5.173 | 5.816 | 699.5E6 | 159.9E6  | 57.812  | 57.696  |
| 9)                          | A Endosulfan I  | 5.512 | 6.172 | 664.5E6 | 168.2E6  | 58.622  | 60.206  |
| 10)                         | B gamma-Chl...  | 5.400 | 6.050 | 721.5E6 | 181.3E6  | 58.086  | 60.570  |
| 11)                         | B alpha-Chl...  | 5.458 | 6.122 | 697.7E6 | 178.4E6  | 56.784  | 59.168  |
| 12)                         | B 4,4'-DDE      | 5.622 | 6.281 | 688.3E6 | 170.2E6  | 58.741  | 59.969  |
| 13)                         | MA Dieldrin     | 5.754 | 6.428 | 726.6E6 | 176.5E6  | 59.432  | 59.960  |
| 14)                         | MA Endrin       | 6.012 | 6.644 | 643.8E6 | 156.3E6  | 59.176  | 60.593  |
| 15)                         | B Endosulfa...  | 6.285 | 6.854 | 587.3E6 | 152.8E6  | 54.378  | 54.465  |
| 16)                         | A 4,4'-DDD      | 6.138 | 6.770 | 570.3E6 | 145.3E6  | 58.907  | 59.661  |
| 17)                         | MA 4,4'-DDT     | 6.378 | 7.067 | 573.9E6 | 141.9E6  | 58.645  | 57.689  |
| 18)                         | B Endrin al...  | 6.453 | 6.978 | 513.4E6 | 135.5E6  | 57.387  | 58.486  |
| 19)                         | B Endosulfa...  | 6.667 | 7.200 | 536.4E6 | 149.0E6  | 53.708  | 59.401  |
| 20)                         | A Methoxychlor  | 6.924 | 7.526 | 301.2E6 | 71294139 | 60.416  | 57.067  |
| 21)                         | B Endrin ke...  | 7.158 | 7.668 | 640.8E6 | 151.7E6  | 56.749  | 55.345  |
| 22)                         | Mirex           | 7.345 | 8.119 | 413.0E6 | 110.6E6  | 50.970  | 57.669  |
| -----                       |                 |       |       |         |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL030320\  
Data File : PL057019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Mar 2020 10:18  
Operator : AJ\MA  
Sample : L1369-06MSD  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

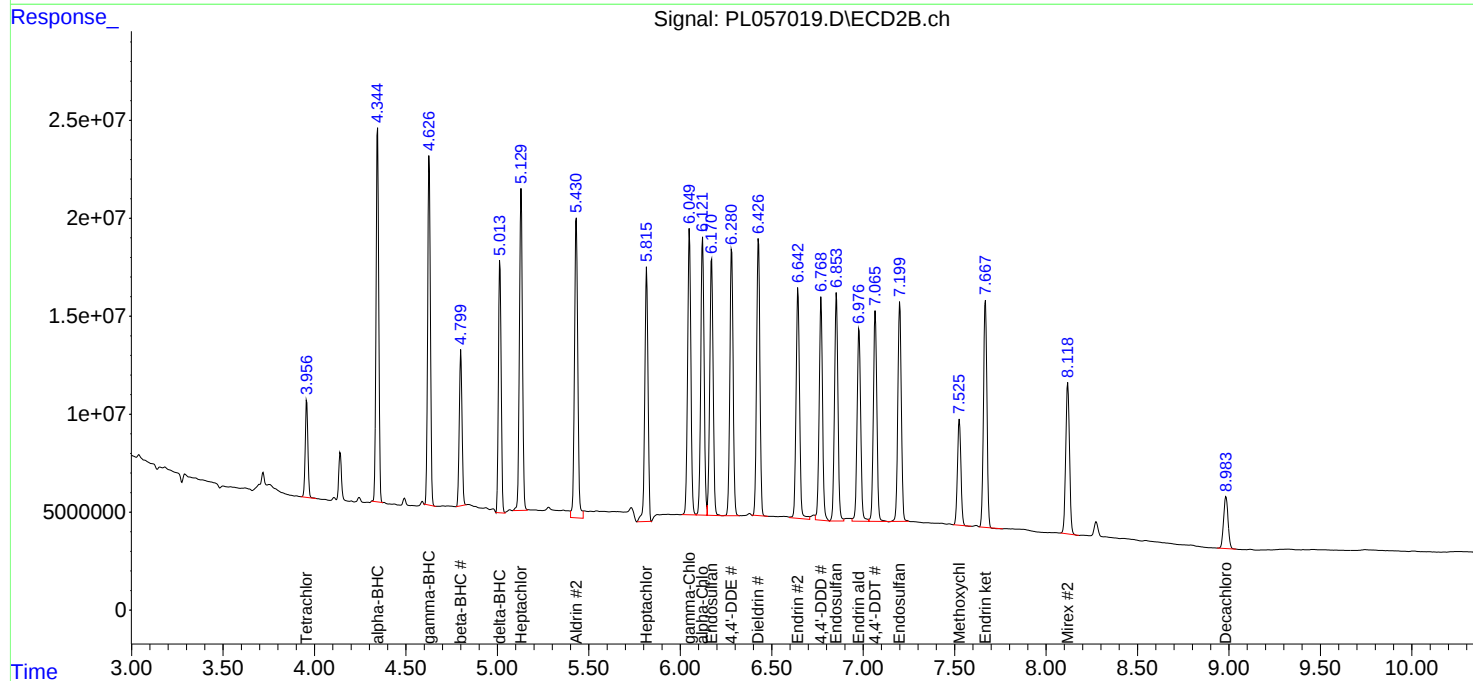
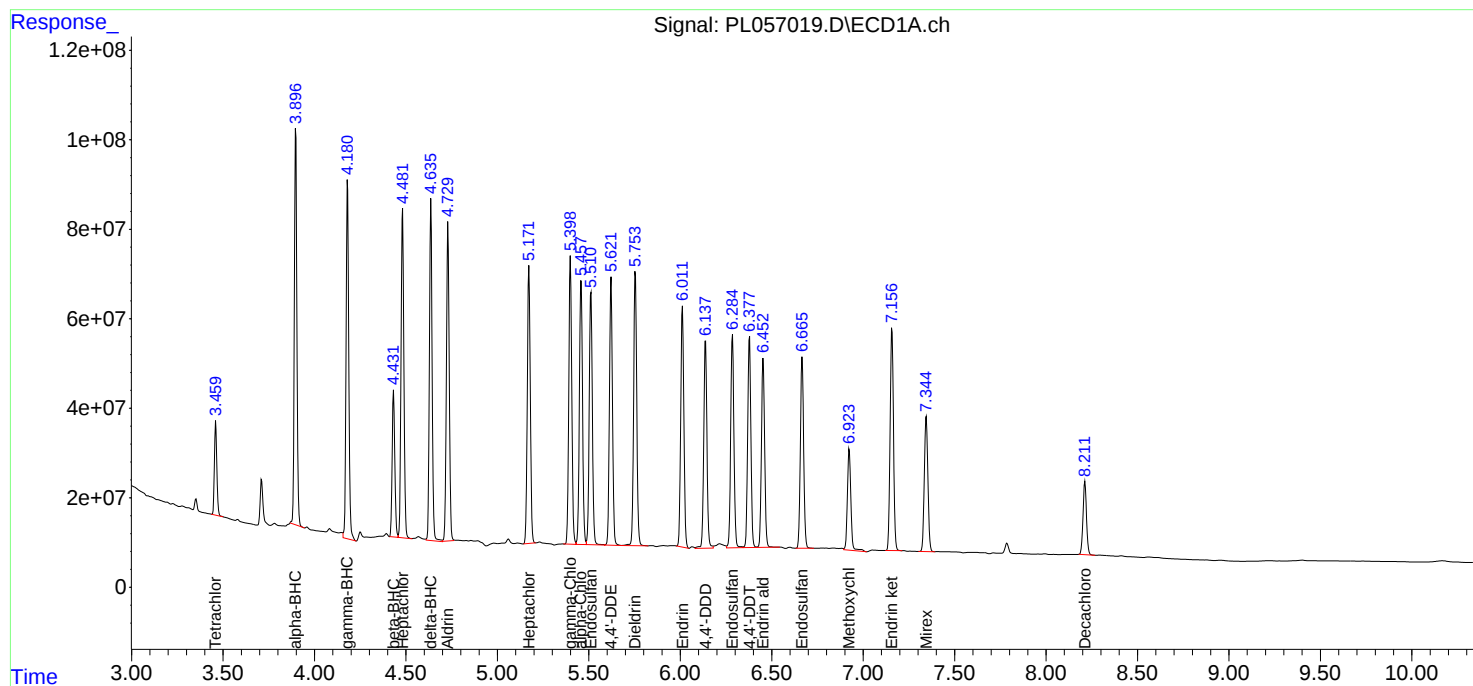
Instrument :  
ECD\_L  
ClientSampled :  
PL-02-022820MSD

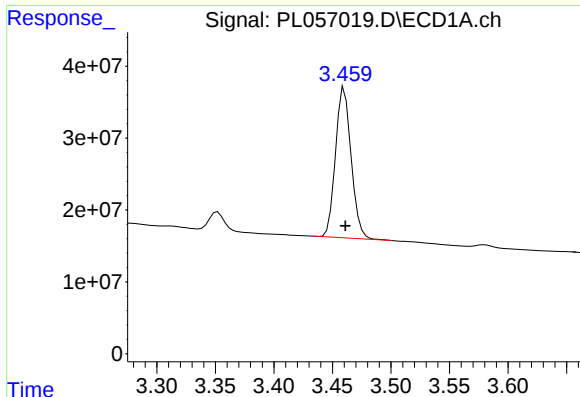
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 04 15:20:17 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030320.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 04 03:55:01 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





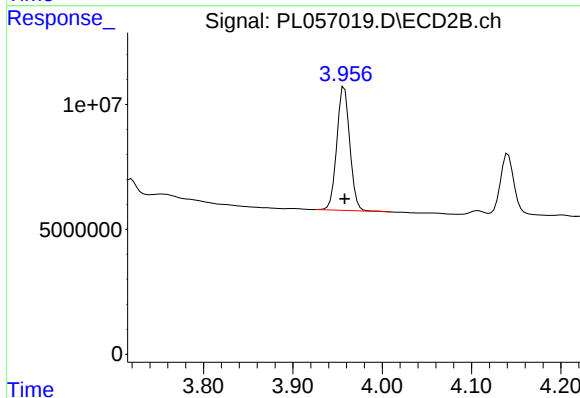
#1 Tetrachloro-m-xylene

R.T.: 3.460 min  
Delta R.T.: 0.000 min  
Response: 193767344  
Conc: 22.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

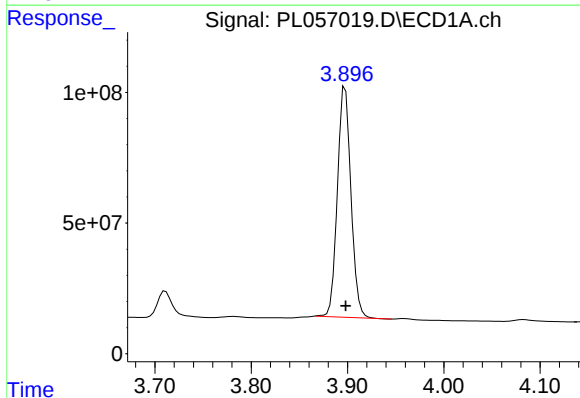
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



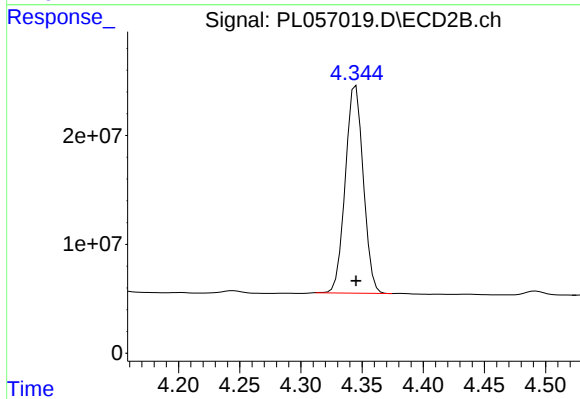
#1 Tetrachloro-m-xylene

R.T.: 3.958 min  
Delta R.T.: 0.000 min  
Response: 50066660  
Conc: 23.47 ng/ml



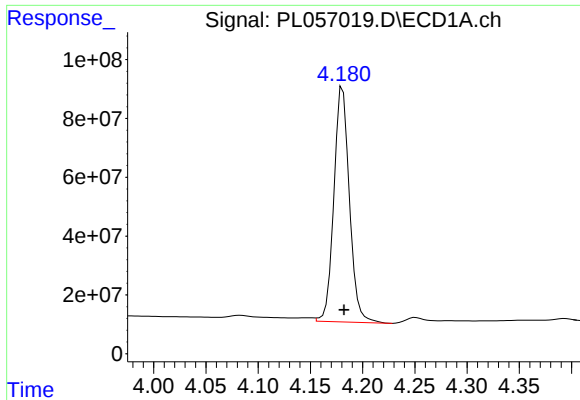
#2 alpha-BHC

R.T.: 3.898 min  
Delta R.T.: 0.000 min  
Response: 863536521  
Conc: 58.27 ng/ml



#2 alpha-BHC

R.T.: 4.345 min  
Delta R.T.: 0.000 min  
Response: 194813929  
Conc: 61.67 ng/ml



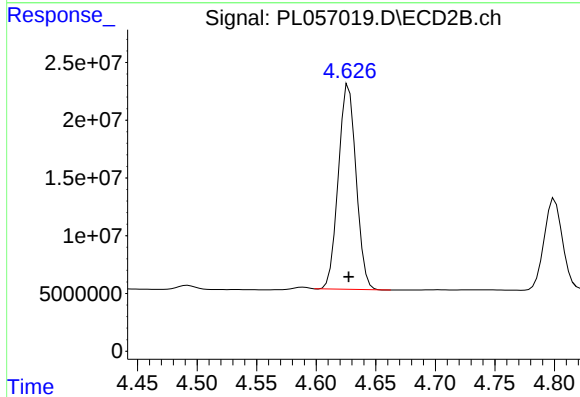
#3 gamma-BHC (Lindane)

R.T.: 4.181 min  
Delta R.T.: -0.001 min  
Response: 825987547  
Conc: 60.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

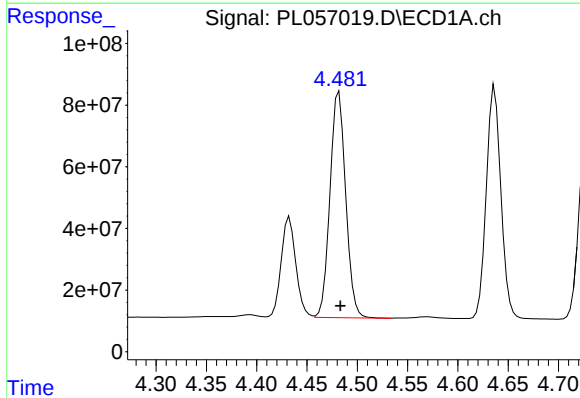
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



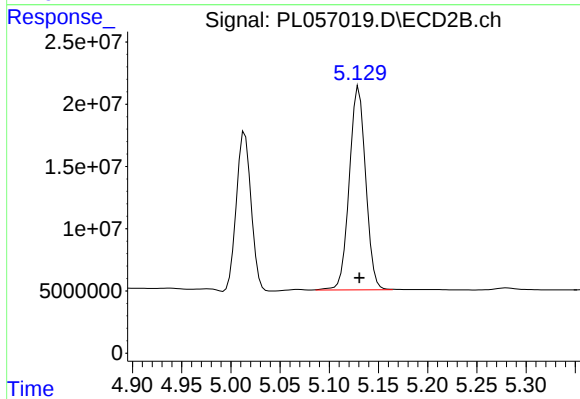
#3 gamma-BHC (Lindane)

R.T.: 4.627 min  
Delta R.T.: 0.000 min  
Response: 183666877  
Conc: 59.08 ng/ml



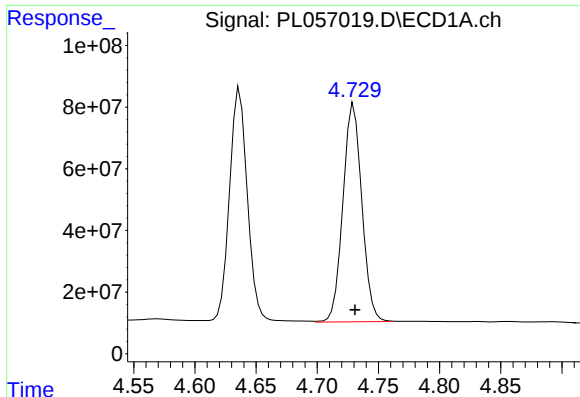
#4 Heptachlor

R.T.: 4.482 min  
Delta R.T.: -0.001 min  
Response: 796240589  
Conc: 58.62 ng/ml



#4 Heptachlor

R.T.: 5.129 min  
Delta R.T.: -0.002 min  
Response: 188858460  
Conc: 60.68 ng/ml m



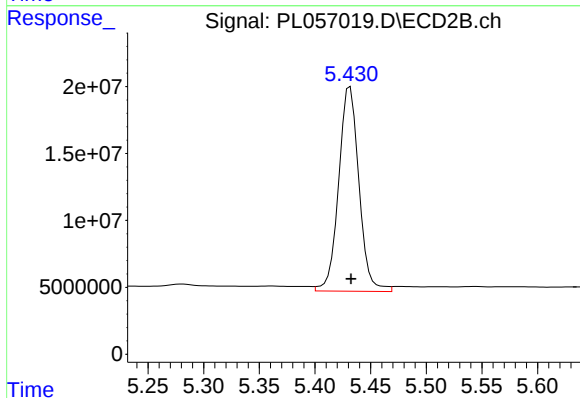
#5 Aldrin

R.T.: 4.729 min  
Delta R.T.: -0.002 min  
Response: 762444703  
Conc: 59.05 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

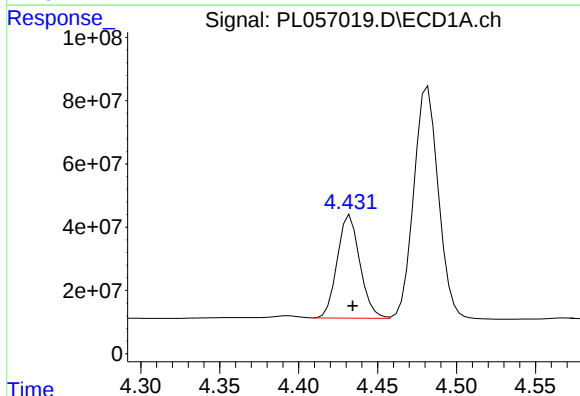
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



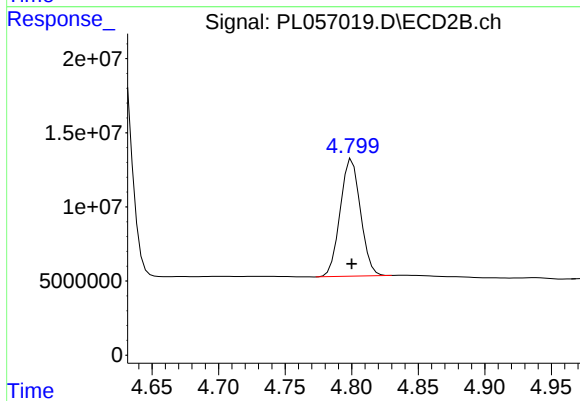
#5 Aldrin

R.T.: 5.432 min  
Delta R.T.: 0.000 min  
Response: 193775239  
Conc: 64.83 ng/ml



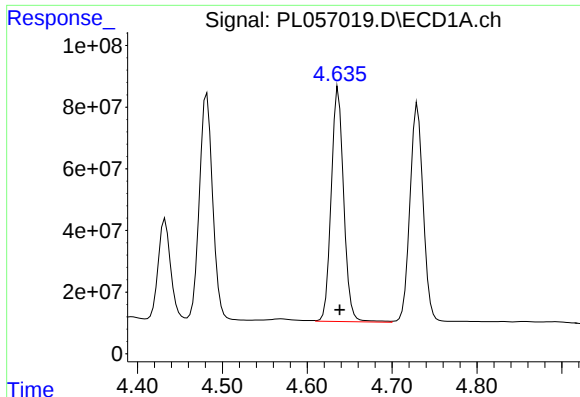
#6 beta-BHC

R.T.: 4.433 min  
Delta R.T.: -0.002 min  
Response: 326764073  
Conc: 61.69 ng/ml



#6 beta-BHC

R.T.: 4.800 min  
Delta R.T.: 0.000 min  
Response: 83983903  
Conc: 59.59 ng/ml



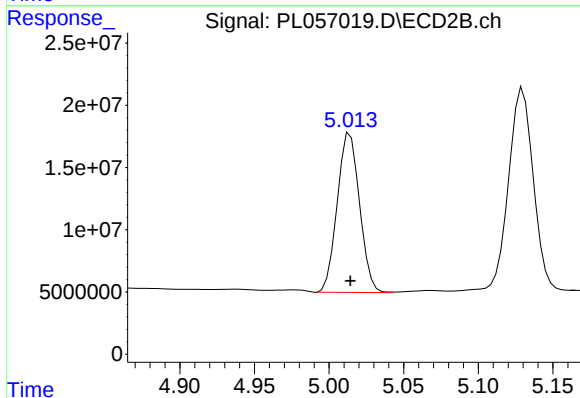
#7 delta-BHC

R.T.: 4.637 min  
Delta R.T.: -0.001 min  
Response: 778223281  
Conc: 59.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

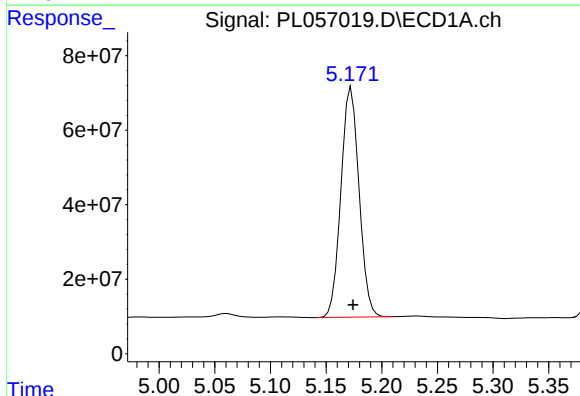
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



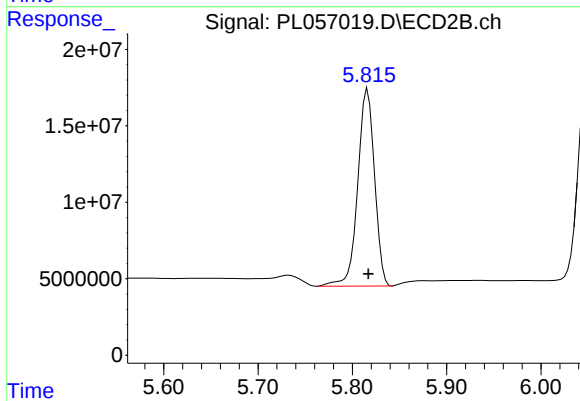
#7 delta-BHC

R.T.: 5.014 min  
Delta R.T.: 0.000 min  
Response: 133622659  
Conc: 54.88 ng/ml



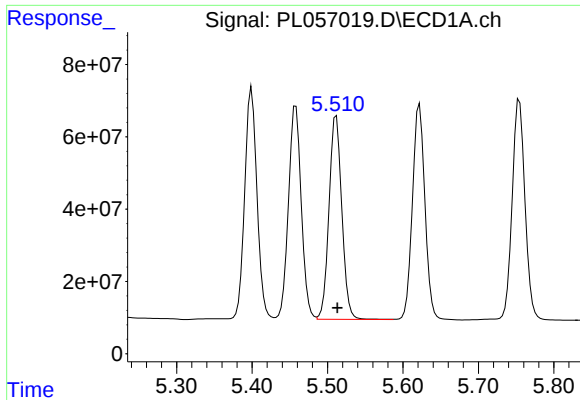
#8 Heptachlor epoxide

R.T.: 5.173 min  
Delta R.T.: -0.001 min  
Response: 699526336  
Conc: 57.81 ng/ml



#8 Heptachlor epoxide

R.T.: 5.816 min  
Delta R.T.: 0.000 min  
Response: 159877921  
Conc: 57.70 ng/ml



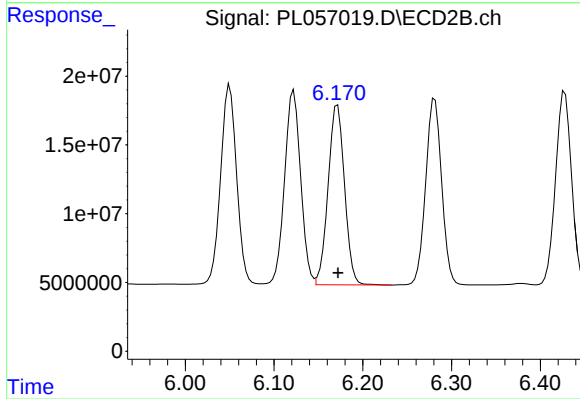
#9 Endosulfan I

R.T.: 5.512 min  
Delta R.T.: -0.002 min  
Response: 664539849  
Conc: 58.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

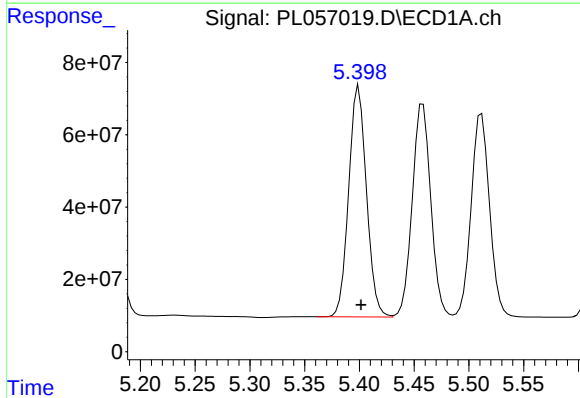
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



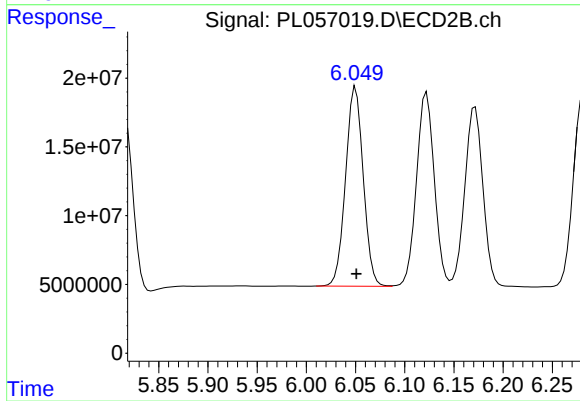
#9 Endosulfan I

R.T.: 6.172 min  
Delta R.T.: 0.000 min  
Response: 168180685  
Conc: 60.21 ng/ml



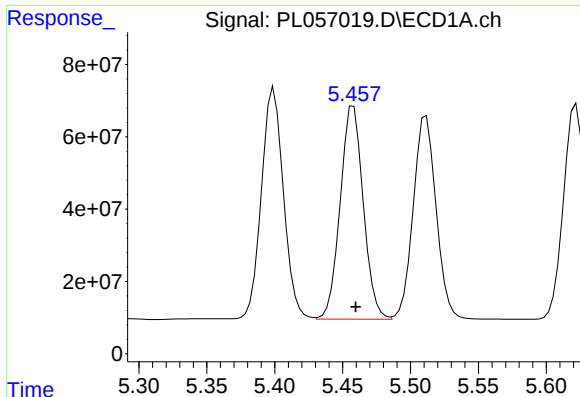
#10 gamma-Chlordane

R.T.: 5.400 min  
Delta R.T.: -0.002 min  
Response: 721465700  
Conc: 58.09 ng/ml



#10 gamma-Chlordane

R.T.: 6.050 min  
Delta R.T.: 0.000 min  
Response: 181321944  
Conc: 60.57 ng/ml



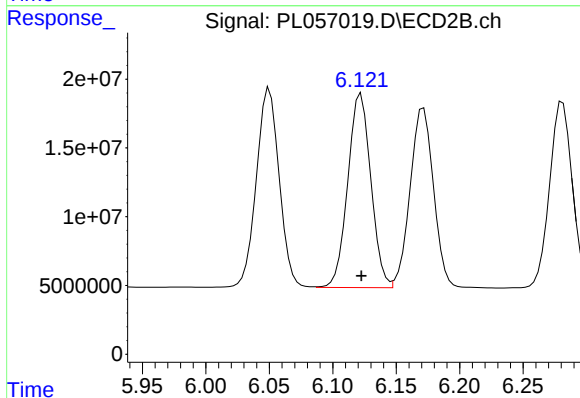
#11 alpha-Chlordane

R.T.: 5.458 min  
Delta R.T.: -0.002 min  
Response: 697652500  
Conc: 56.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

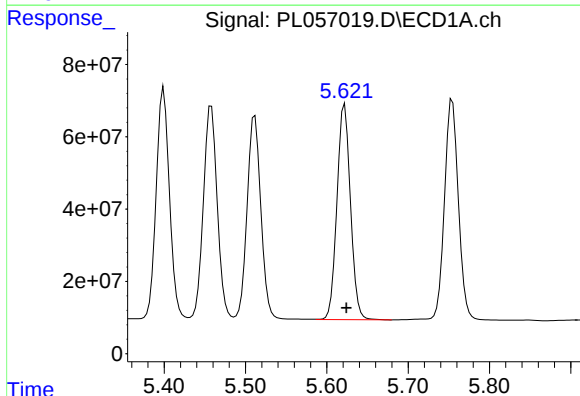
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



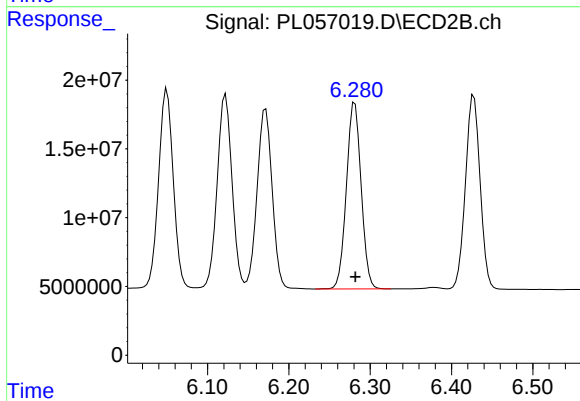
#11 alpha-Chlordane

R.T.: 6.122 min  
Delta R.T.: 0.000 min  
Response: 178359636  
Conc: 59.17 ng/ml



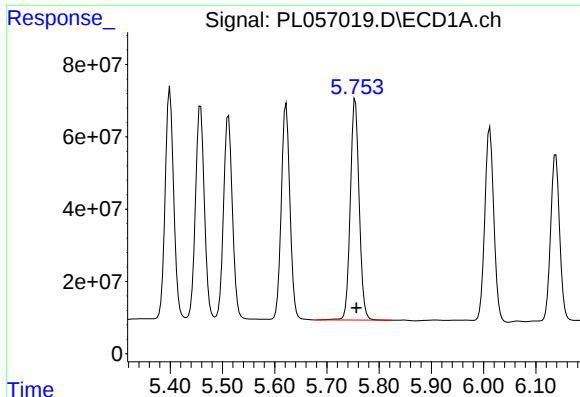
#12 4,4'-DDE

R.T.: 5.622 min  
Delta R.T.: -0.002 min  
Response: 688317519  
Conc: 58.74 ng/ml



#12 4,4'-DDE

R.T.: 6.281 min  
Delta R.T.: 0.000 min  
Response: 170188055  
Conc: 59.97 ng/ml



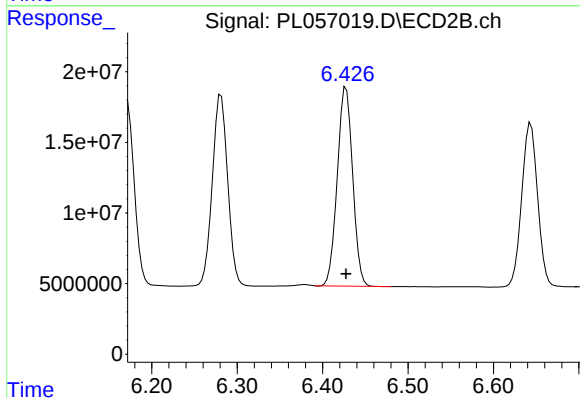
#13 Dieldrin

R.T.: 5.754 min  
Delta R.T.: -0.002 min  
Response: 726642837  
Conc: 59.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

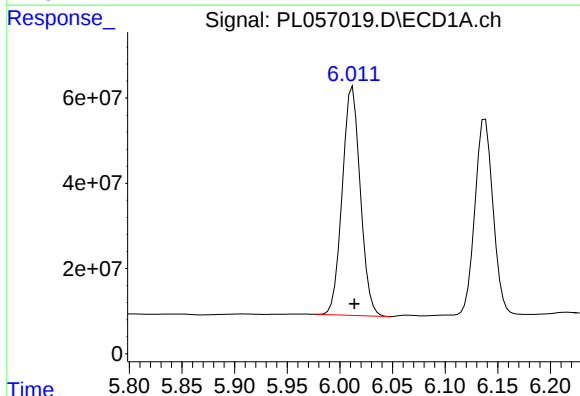
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



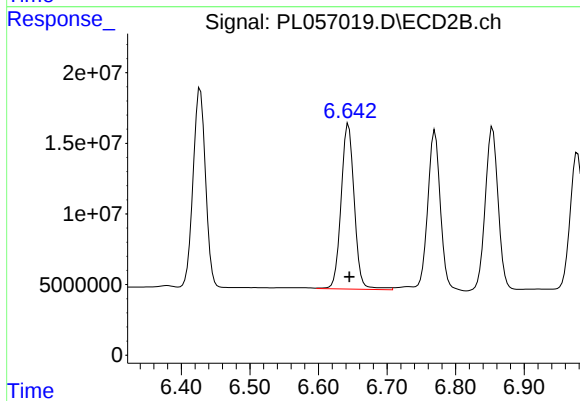
#13 Dieldrin

R.T.: 6.428 min  
Delta R.T.: 0.000 min  
Response: 176476969  
Conc: 59.96 ng/ml



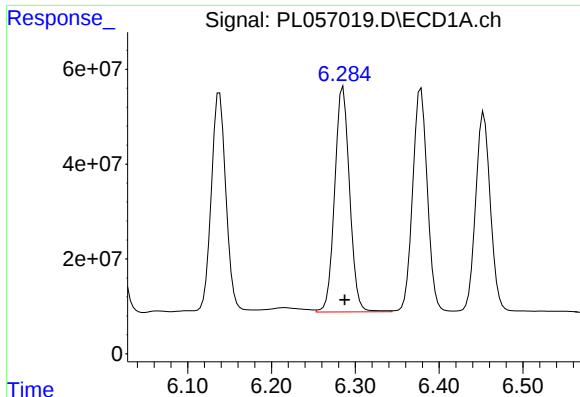
#14 Endrin

R.T.: 6.012 min  
Delta R.T.: -0.002 min  
Response: 643801895  
Conc: 59.18 ng/ml



#14 Endrin

R.T.: 6.644 min  
Delta R.T.: 0.000 min  
Response: 156255549  
Conc: 60.59 ng/ml



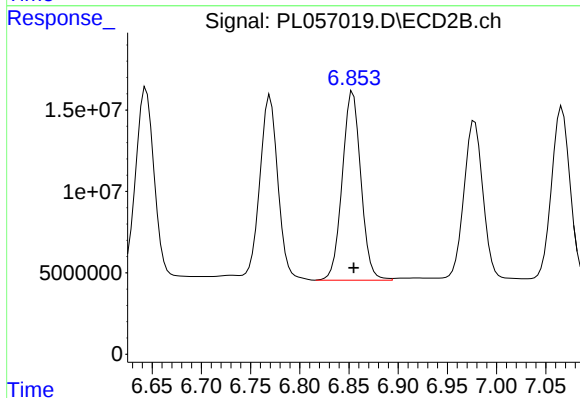
#15 Endosulfan II

R.T.: 6.285 min  
Delta R.T.: -0.002 min  
Response: 587252892  
Conc: 54.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

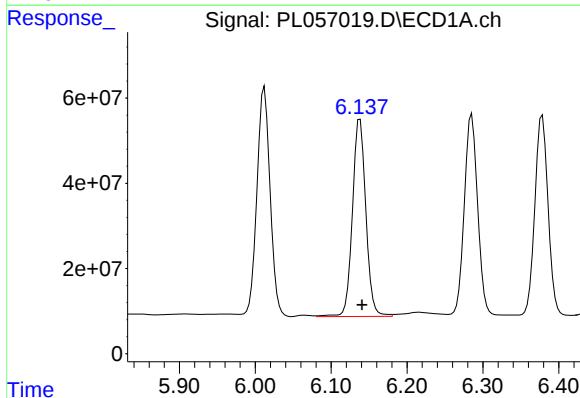
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



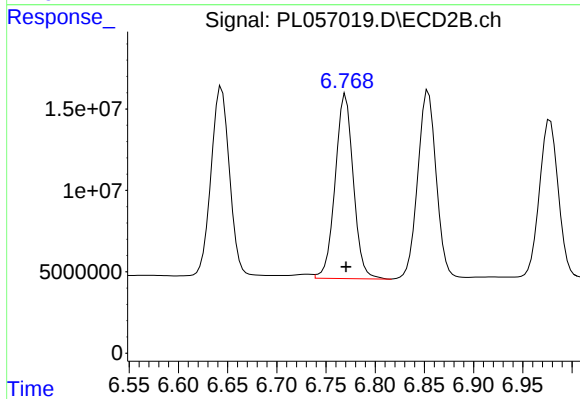
#15 Endosulfan II

R.T.: 6.854 min  
Delta R.T.: -0.001 min  
Response: 152831520  
Conc: 54.46 ng/ml



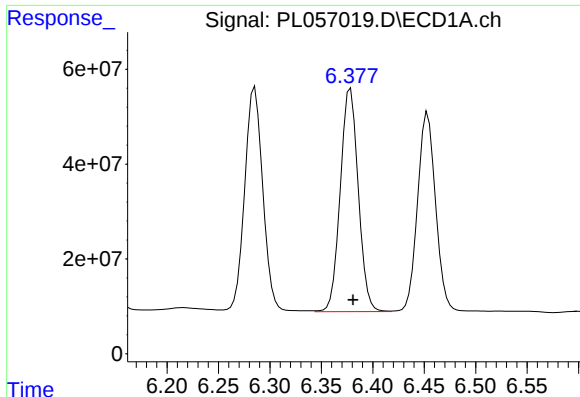
#16 4,4'-DDD

R.T.: 6.138 min  
Delta R.T.: -0.003 min  
Response: 570252735  
Conc: 58.91 ng/ml



#16 4,4'-DDD

R.T.: 6.770 min  
Delta R.T.: 0.000 min  
Response: 145335378  
Conc: 59.66 ng/ml



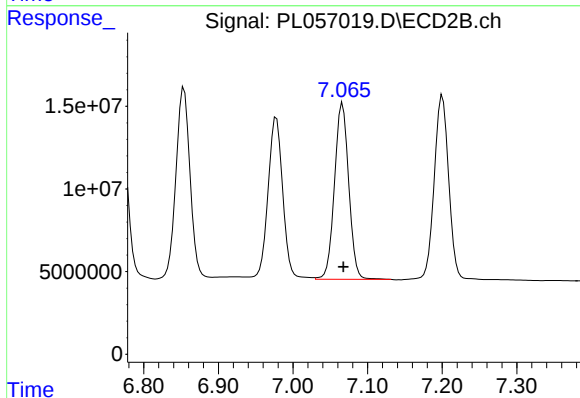
#17 4,4'-DDT

R.T.: 6.378 min  
Delta R.T.: -0.002 min  
Response: 573857940  
Conc: 58.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

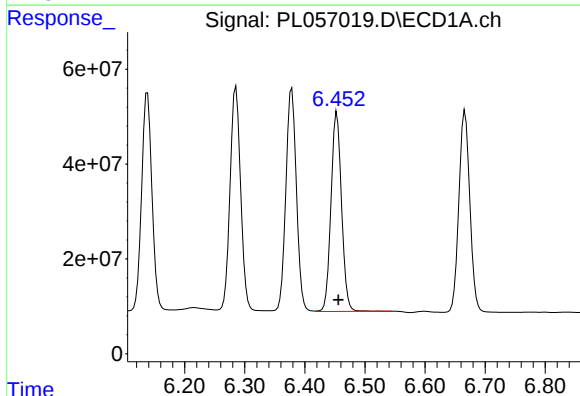
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



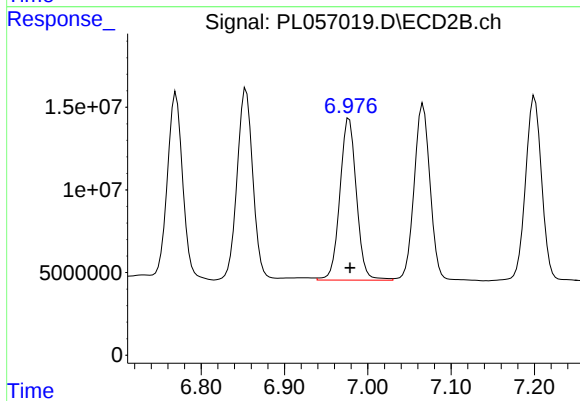
#17 4,4'-DDT

R.T.: 7.067 min  
Delta R.T.: -0.001 min  
Response: 141911824  
Conc: 57.69 ng/ml



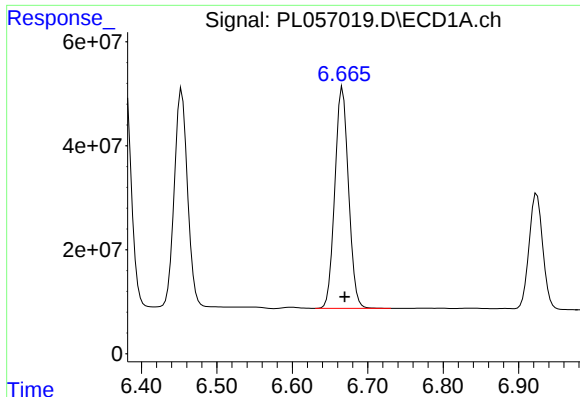
#18 Endrin aldehyde

R.T.: 6.453 min  
Delta R.T.: -0.002 min  
Response: 513400277  
Conc: 57.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.978 min  
Delta R.T.: -0.001 min  
Response: 135527465  
Conc: 58.49 ng/ml



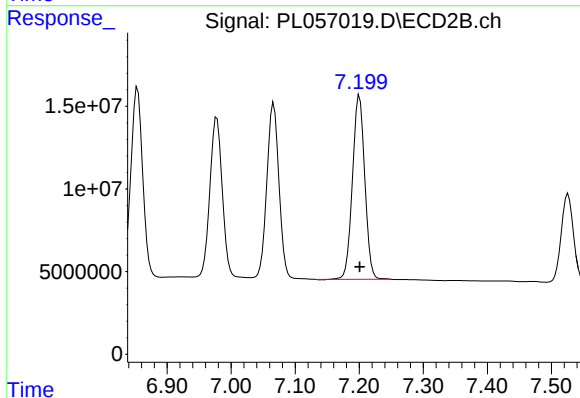
#19 Endosulfan Sulfate

R.T.: 6.667 min  
Delta R.T.: -0.003 min  
Response: 536391256  
Conc: 53.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

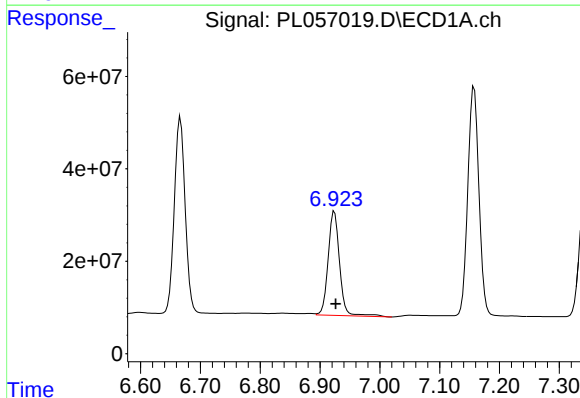
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



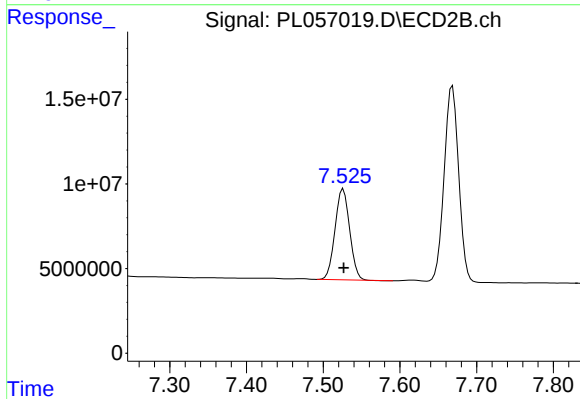
#19 Endosulfan Sulfate

R.T.: 7.200 min  
Delta R.T.: 0.000 min  
Response: 148970823  
Conc: 59.40 ng/ml



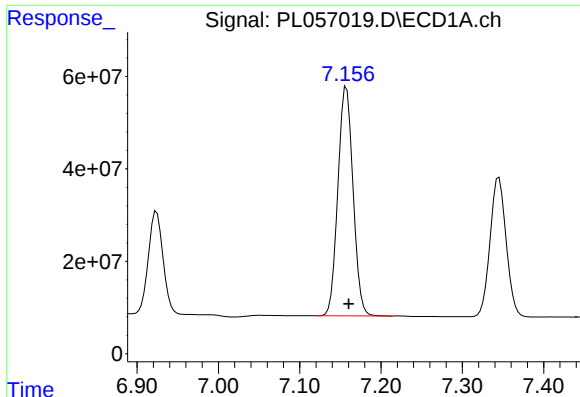
#20 Methoxychlor

R.T.: 6.924 min  
Delta R.T.: -0.002 min  
Response: 301244573  
Conc: 60.42 ng/ml



#20 Methoxychlor

R.T.: 7.526 min  
Delta R.T.: 0.000 min  
Response: 71294139  
Conc: 57.07 ng/ml



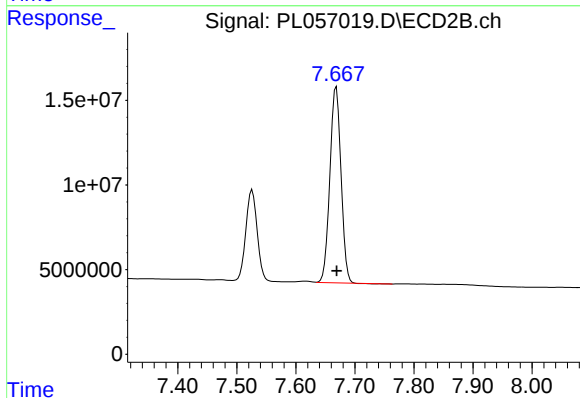
#21 Endrin ketone

R.T.: 7.158 min  
Delta R.T.: -0.003 min  
Response: 640849690  
Conc: 56.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

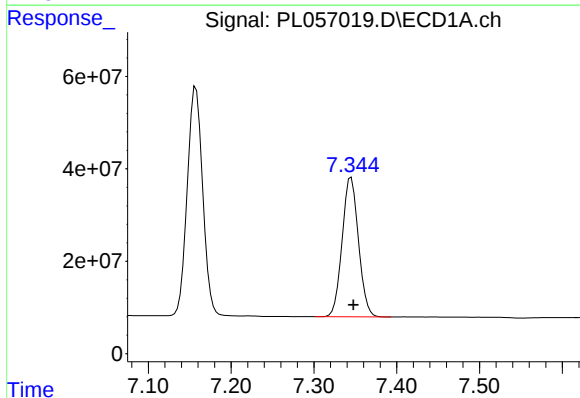
Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



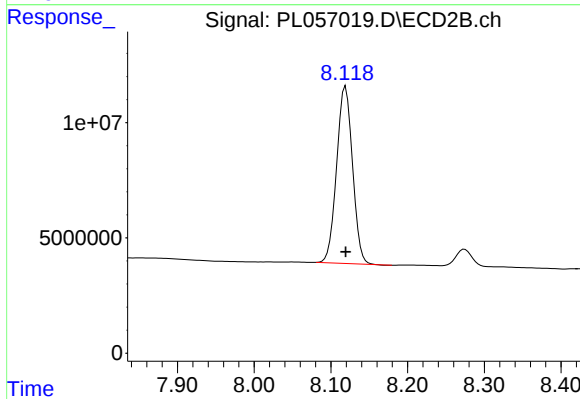
#21 Endrin ketone

R.T.: 7.668 min  
Delta R.T.: 0.000 min  
Response: 151669404  
Conc: 55.35 ng/ml



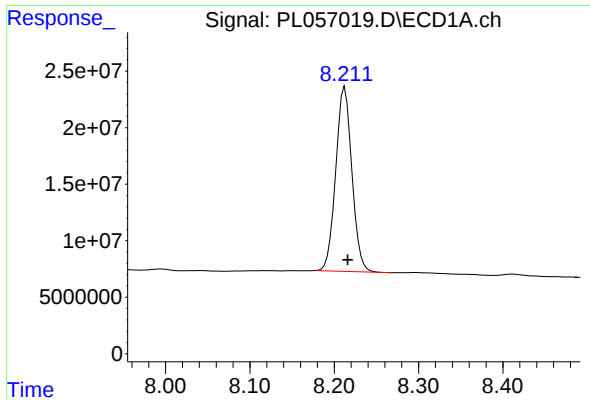
#22 Mirex

R.T.: 7.345 min  
Delta R.T.: -0.003 min  
Response: 413029624  
Conc: 50.97 ng/ml



#22 Mirex

R.T.: 8.119 min  
Delta R.T.: 0.000 min  
Response: 110561138  
Conc: 57.67 ng/ml



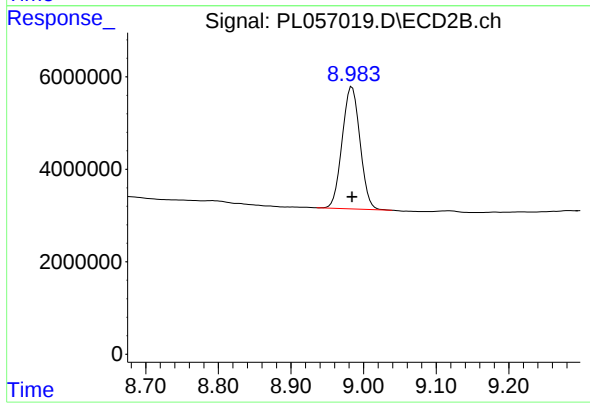
#28 Decachlorobiphenyl

R.T.: 8.213 min  
Delta R.T.: -0.003 min  
Response: 216938930  
Conc: 22.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PL-02-022820MSD

Manual Integrations  
APPROVED

mohammad  
3/5/2020 11:40:47 AM



#28 Decachlorobiphenyl

R.T.: 8.984 min  
Delta R.T.: 0.000 min  
Response: 45079344  
Conc: 21.22 ng/ml