

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111721\  
 Data File : PL071034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Nov 2021 19:04  
 Operator : AR\AJ  
 Sample : M4713-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-2-COMPMS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/18/2021  
 Supervised By : mohammad ahmed 11/18/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 18 00:53:27 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110321.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 04 19:28:07 2021  
 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... | 4.566  | 5.501  | 11061036 | 29255952 | 22.583  | 23.203  |
| 28)                         | SA Decachlor... | 10.327 | 11.389 | 14127787 | 27128176 | 20.676  | 20.285  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.271  | 6.079  | 35169502 | 102.9E6  | 52.538m | 55.925m |
| 3)                          | MA gamma-BHC... | 5.695  | 6.476  | 34441191 | 94050154 | 51.345  | 54.237  |
| 4)                          | MA Heptachlor   | 6.102  | 7.123  | 35986293 | 92527053 | 50.154  | 56.965  |
| 5)                          | MB Aldrin       | 6.426  | 7.492  | 33663605 | 88360456 | 52.643  | 54.415  |
| 6)                          | B beta-BHC      | 6.077  | 6.733  | 15976822 | 43922965 | 49.185  | 51.263  |
| 7)                          | B delta-BHC     | 6.336  | 6.999  | 33805547 | 93884399 | 51.080  | 56.142  |
| 8)                          | B Heptachlo...  | 7.003  | 7.959  | 32635348 | 78458210 | 50.196  | 51.476  |
| 9)                          | A Endosulfan I  | 7.405  | 8.363  | 30718412 | 74778390 | 50.147  | 51.979  |
| 10)                         | B gamma-Chl...  | 7.279  | 8.229  | 32627660 | 80144388 | 49.151  | 51.761  |
| 11)                         | B alpha-Chl...  | 7.349  | 8.309  | 33134509 | 79350763 | 49.724  | 52.171  |
| 12)                         | B 4,4'-DDE      | 7.565  | 8.499  | 29524492 | 78862443 | 50.675  | 53.447  |
| 13)                         | MA Dieldrin     | 7.691  | 8.652  | 31320958 | 77487918 | 50.177  | 53.179  |
| 14)                         | MA Endrin       | 7.982  | 8.892  | 28601654 | 65389906 | 50.447  | 56.453  |
| 15)                         | B Endosulfa...  | 8.293  | 9.126  | 28412709 | 63923529 | 46.936  | 52.338  |
| 16)                         | A 4,4'-DDD      | 8.150  | 9.038  | 26699884 | 65290105 | 52.549  | 54.253  |
| 17)                         | MA 4,4'-DDT     | 8.411  | 9.355  | 24083529 | 58356292 | 43.790  | 46.257  |
| 18)                         | B Endrin al...  | 8.482  | 9.261  | 22612510 | 49343331 | 49.773  | 51.024  |
| 19)                         | B Endosulfa...  | 8.712  | 9.499  | 29855945 | 62834508 | 48.397  | 50.697  |
| 20)                         | A Methoxychlor  | 9.006  | 9.841  | 17630841 | 32743149 | 48.193  | 48.379  |
| 21)                         | B Endrin ke...  | 9.230  | 9.995  | 35317327 | 70216739 | 49.391  | 48.915  |
| 22)                         | Mirex           | 9.414  | 10.459 | 29920282 | 49221417 | 48.719  | 47.255  |
| -----                       |                 |        |        |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111721\  
 Data File : PL071034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Nov 2021 19:04  
 Operator : AR\AJ  
 Sample : M4713-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

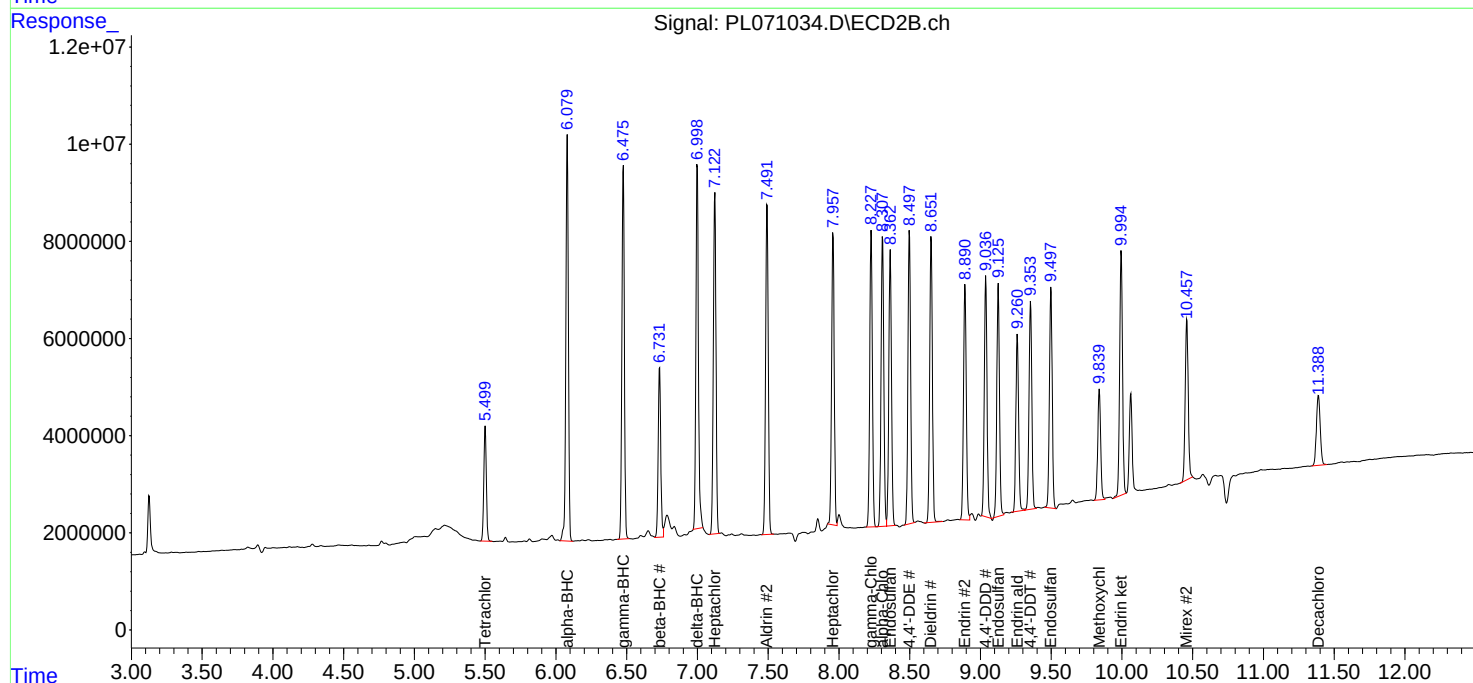
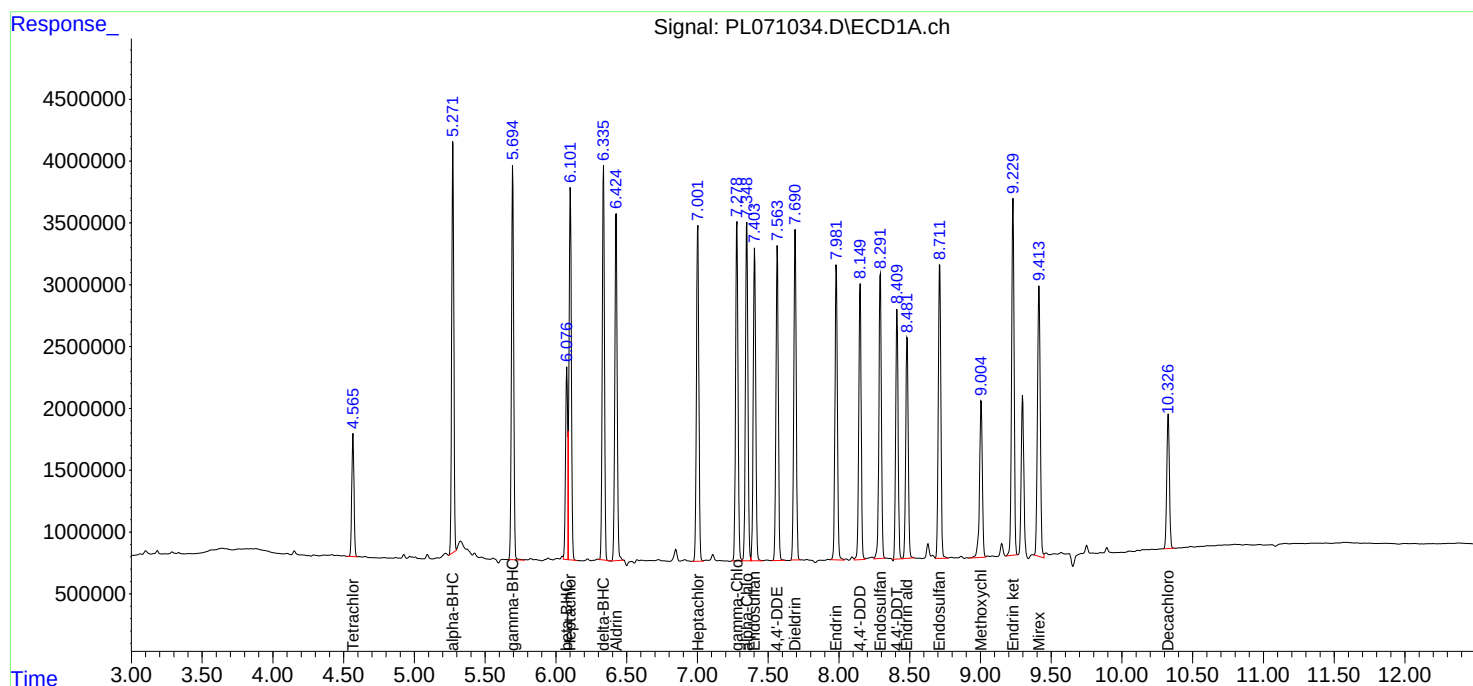
Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-2-COMPMS

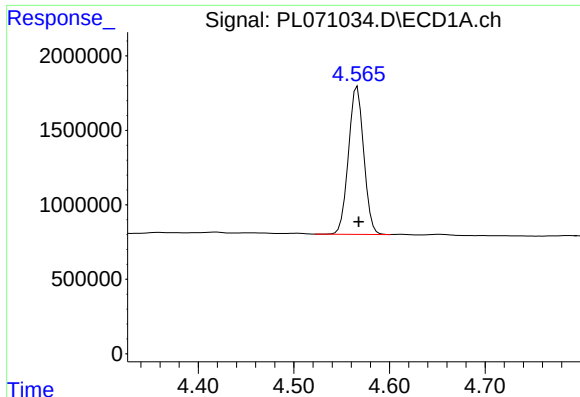
### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
 Supervised By :mohammad ahmed 11/18/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 18 00:53:27 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110321.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 04 19:28:07 2021  
 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





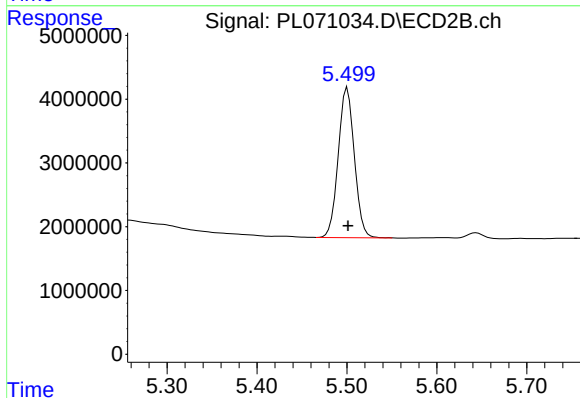
#1 Tetrachloro-m-xylene

R.T.: 4.566 min  
Delta R.T.: -0.002 min  
Response: 11061036  
Conc: 22.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

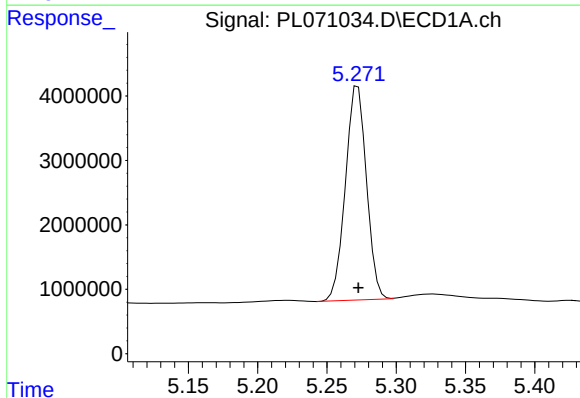
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



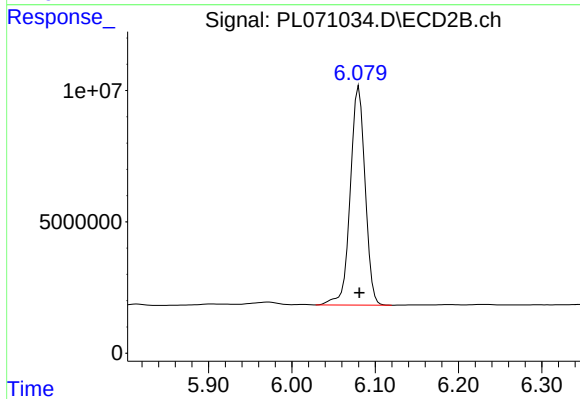
#1 Tetrachloro-m-xylene

R.T.: 5.501 min  
Delta R.T.: 0.000 min  
Response: 29255952  
Conc: 23.20 ng/ml



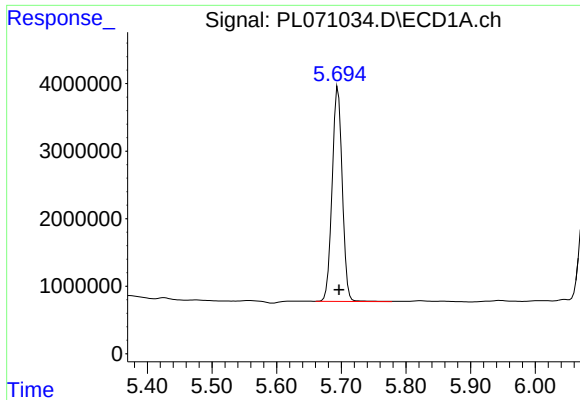
#2 alpha-BHC

R.T.: 5.271 min  
Delta R.T.: -0.002 min  
Response: 35169502  
Conc: 52.54 ng/ml m



#2 alpha-BHC

R.T.: 6.079 min  
Delta R.T.: -0.002 min  
Response: 102947230  
Conc: 55.93 ng/ml m



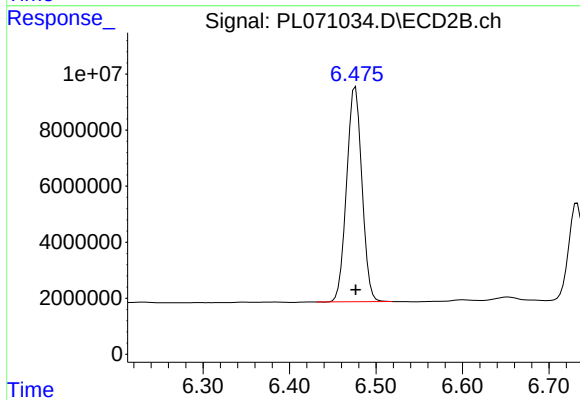
#3 gamma-BHC (Lindane)

R.T.: 5.695 min  
Delta R.T.: -0.002 min  
Response: 34441191  
Conc: 51.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

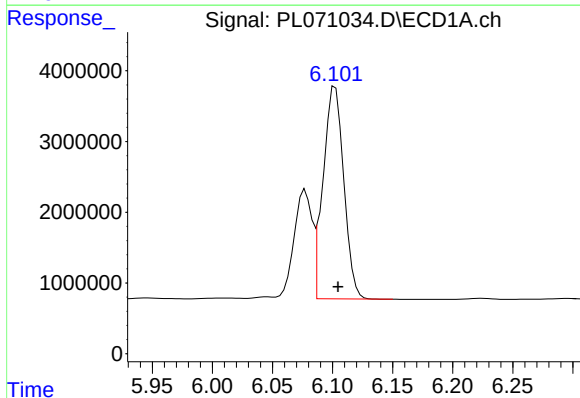
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



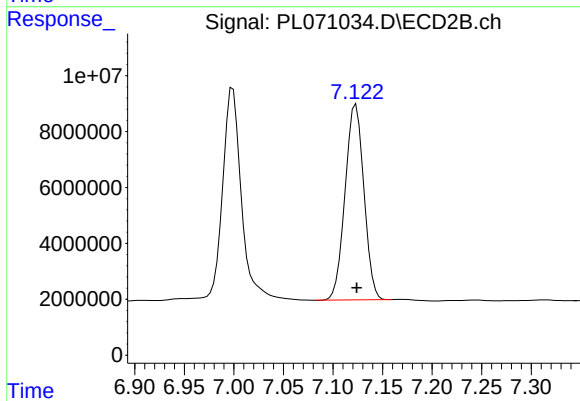
#3 gamma-BHC (Lindane)

R.T.: 6.476 min  
Delta R.T.: 0.000 min  
Response: 94050154  
Conc: 54.24 ng/ml



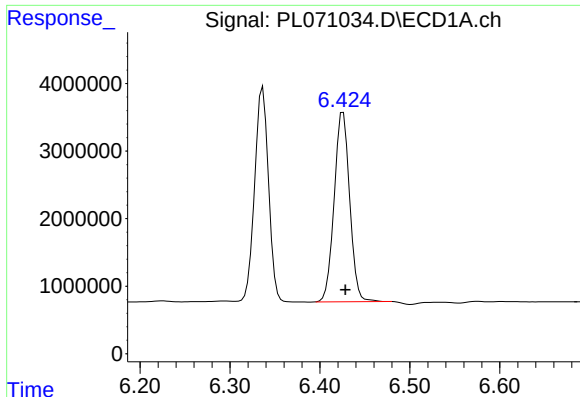
#4 Heptachlor

R.T.: 6.102 min  
Delta R.T.: -0.002 min  
Response: 35986293  
Conc: 50.15 ng/ml



#4 Heptachlor

R.T.: 7.123 min  
Delta R.T.: 0.000 min  
Response: 92527053  
Conc: 56.97 ng/ml



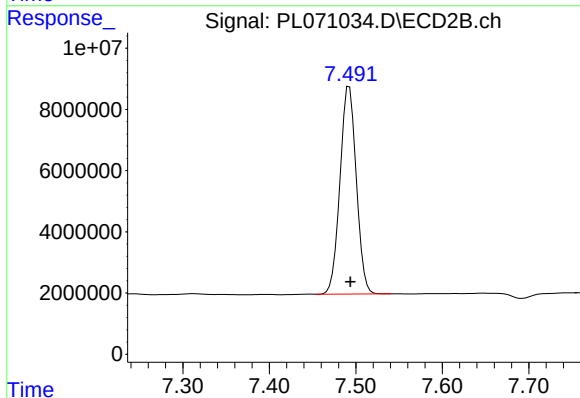
#5 Aldrin

R.T.: 6.426 min  
Delta R.T.: -0.003 min  
Response: 33663605  
Conc: 52.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

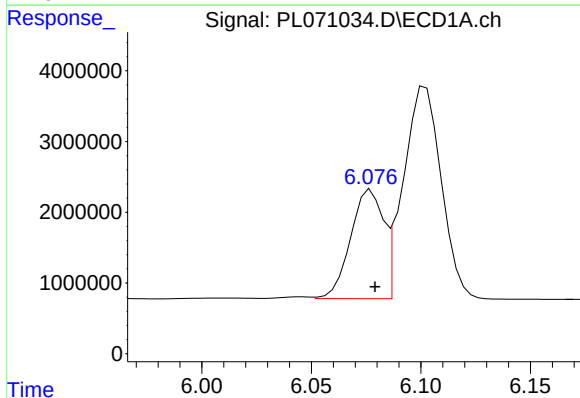
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



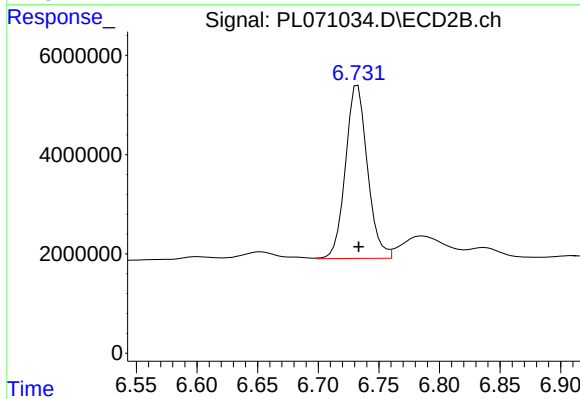
#5 Aldrin

R.T.: 7.492 min  
Delta R.T.: -0.001 min  
Response: 88360456  
Conc: 54.41 ng/ml



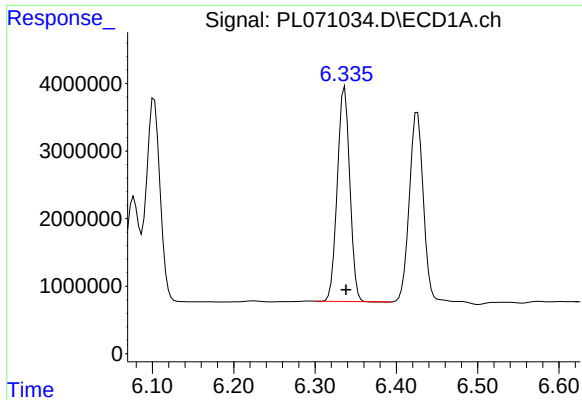
#6 beta-BHC

R.T.: 6.077 min  
Delta R.T.: -0.002 min  
Response: 15976822  
Conc: 49.18 ng/ml



#6 beta-BHC

R.T.: 6.733 min  
Delta R.T.: 0.000 min  
Response: 43922965  
Conc: 51.26 ng/ml



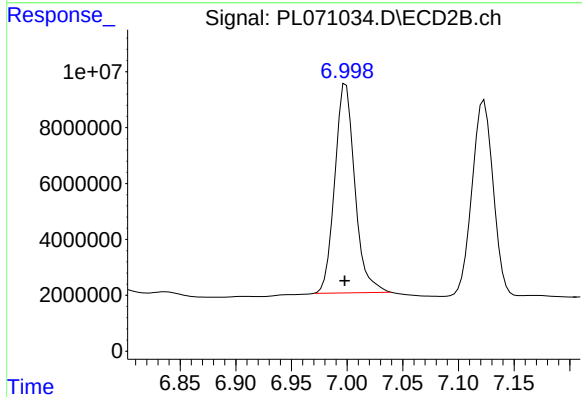
#7 delta-BHC

R.T.: 6.336 min  
Delta R.T.: -0.002 min  
Response: 33805547  
Conc: 51.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

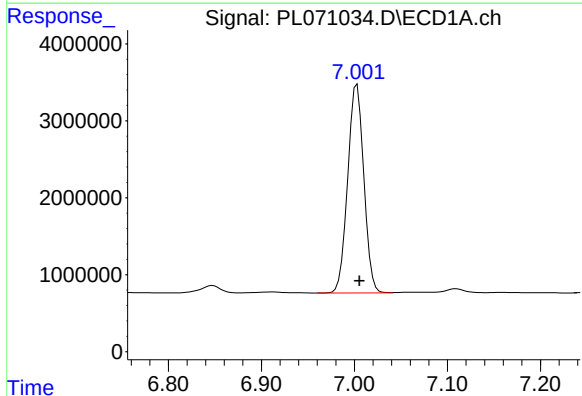
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



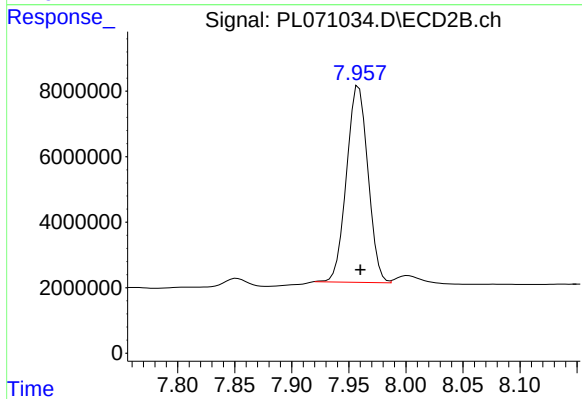
#7 delta-BHC

R.T.: 6.999 min  
Delta R.T.: 0.001 min  
Response: 93884399  
Conc: 56.14 ng/ml



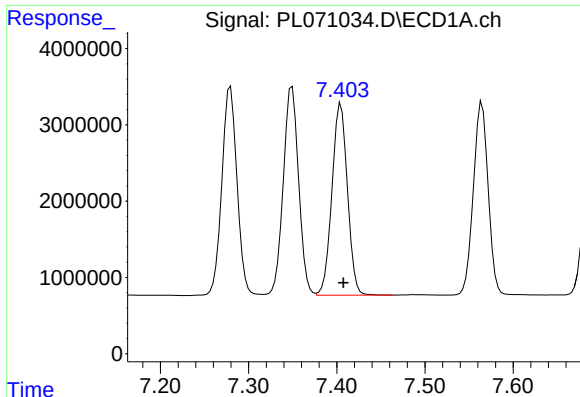
#8 Heptachlor epoxide

R.T.: 7.003 min  
Delta R.T.: -0.002 min  
Response: 32635348  
Conc: 50.20 ng/ml



#8 Heptachlor epoxide

R.T.: 7.959 min  
Delta R.T.: -0.001 min  
Response: 78458210  
Conc: 51.48 ng/ml



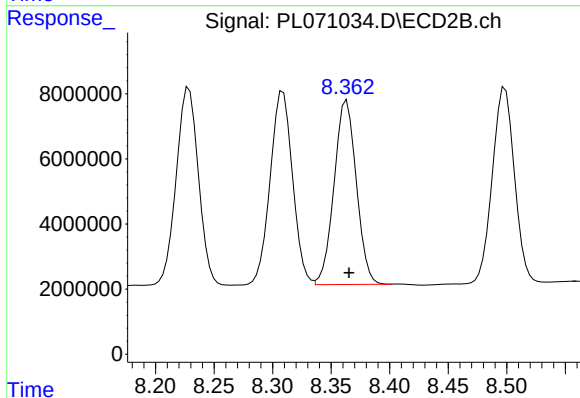
#9 Endosulfan I

R.T.: 7.405 min  
Delta R.T.: -0.003 min  
Response: 30718412  
Conc: 50.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

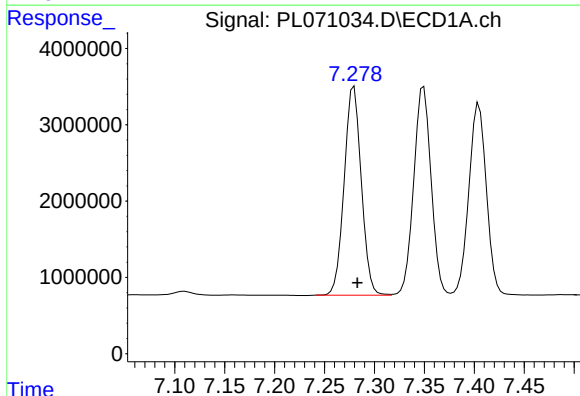
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



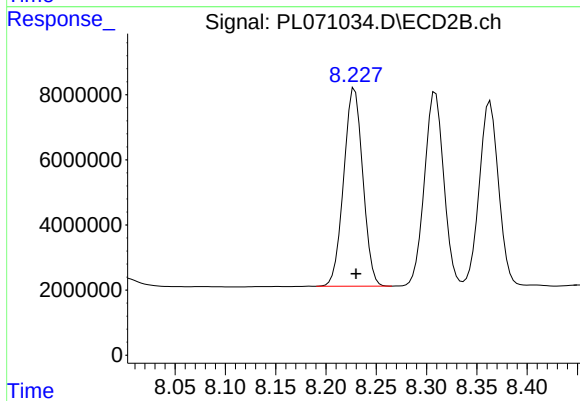
#9 Endosulfan I

R.T.: 8.363 min  
Delta R.T.: -0.002 min  
Response: 74778390  
Conc: 51.98 ng/ml



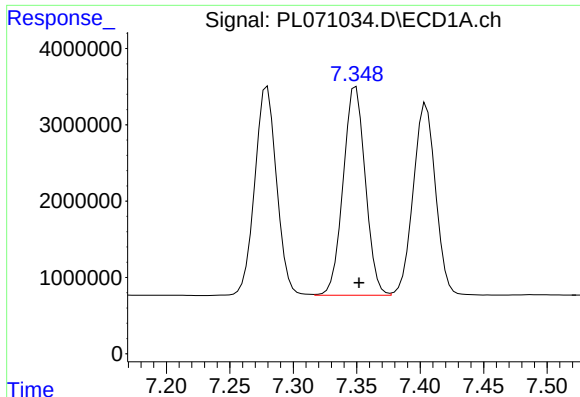
#10 gamma-Chlordane

R.T.: 7.279 min  
Delta R.T.: -0.003 min  
Response: 32627660  
Conc: 49.15 ng/ml



#10 gamma-Chlordane

R.T.: 8.229 min  
Delta R.T.: -0.001 min  
Response: 80144388  
Conc: 51.76 ng/ml



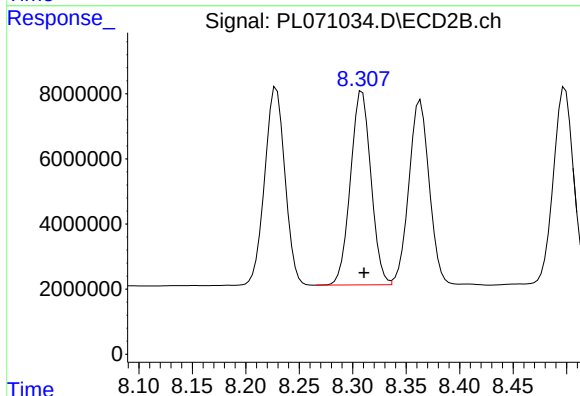
#11 alpha-Chlordane

R.T.: 7.349 min  
Delta R.T.: -0.003 min  
Response: 33134509  
Conc: 49.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

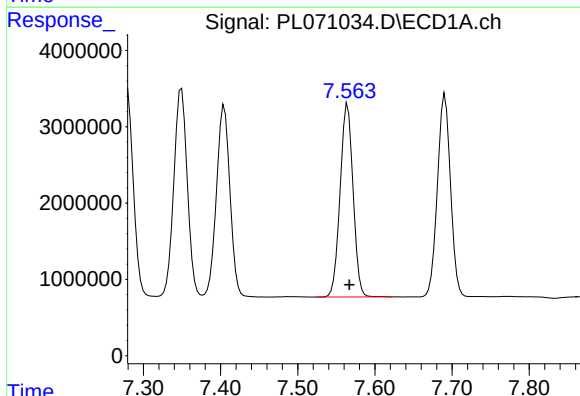
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



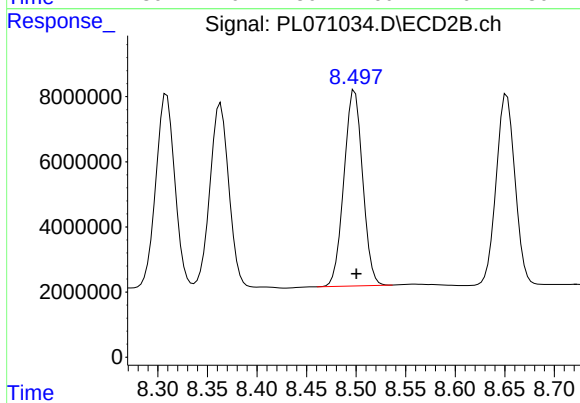
#11 alpha-Chlordane

R.T.: 8.309 min  
Delta R.T.: -0.002 min  
Response: 79350763  
Conc: 52.17 ng/ml



#12 4,4'-DDE

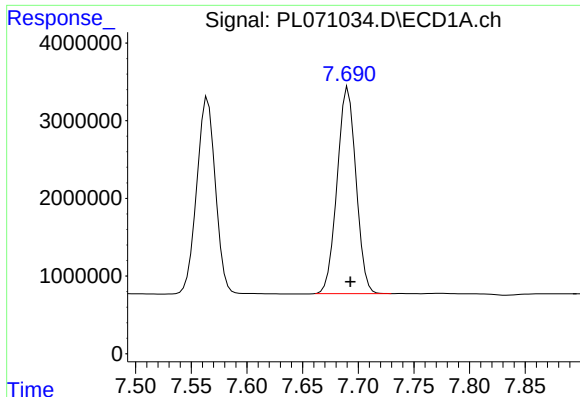
R.T.: 7.565 min  
Delta R.T.: -0.002 min  
Response: 29524492  
Conc: 50.67 ng/ml



#12 4,4'-DDE

R.T.: 8.499 min  
Delta R.T.: -0.002 min  
Response: 78862443  
Conc: 53.45 ng/ml





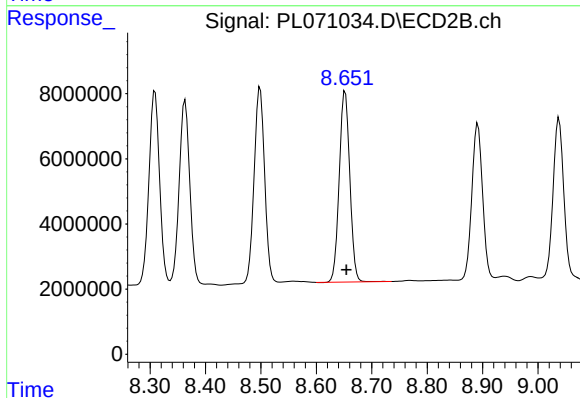
#13 Dieldrin

R.T.: 7.691 min  
Delta R.T.: -0.002 min  
Response: 31320958  
Conc: 50.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

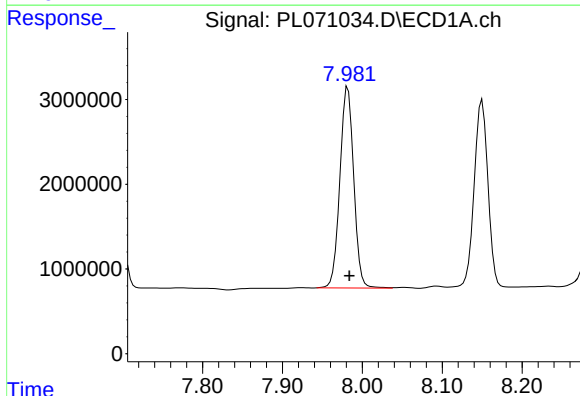
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



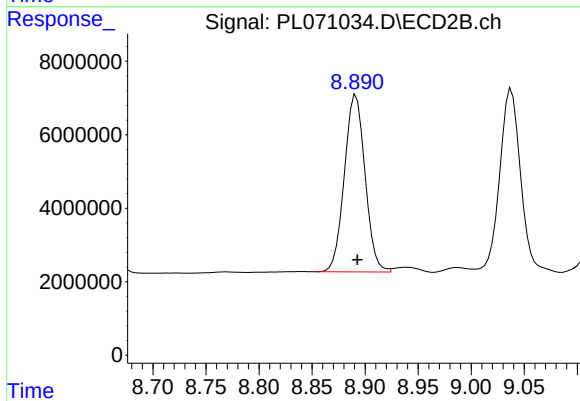
#13 Dieldrin

R.T.: 8.652 min  
Delta R.T.: -0.002 min  
Response: 77487918  
Conc: 53.18 ng/ml



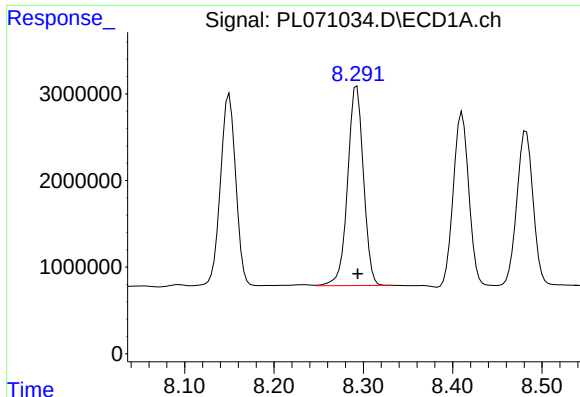
#14 Endrin

R.T.: 7.982 min  
Delta R.T.: -0.002 min  
Response: 28601654  
Conc: 50.45 ng/ml



#14 Endrin

R.T.: 8.892 min  
Delta R.T.: -0.001 min  
Response: 65389906  
Conc: 56.45 ng/ml



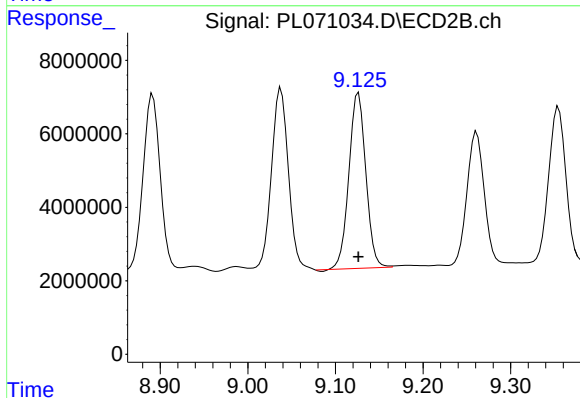
#15 Endosulfan II

R.T.: 8.293 min  
Delta R.T.: -0.001 min  
Response: 28412709  
Conc: 46.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

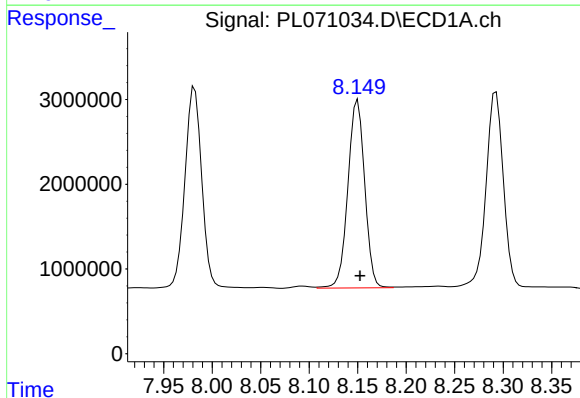
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



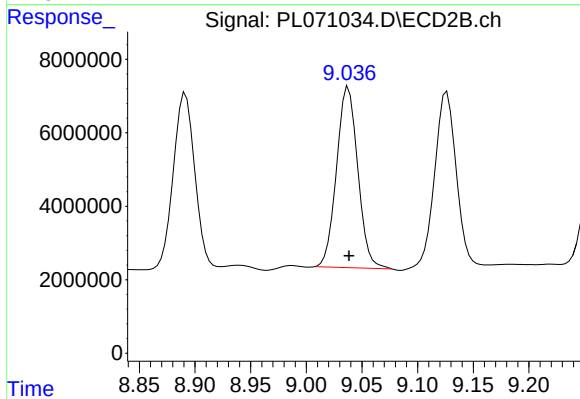
#15 Endosulfan II

R.T.: 9.126 min  
Delta R.T.: 0.000 min  
Response: 63923529  
Conc: 52.34 ng/ml



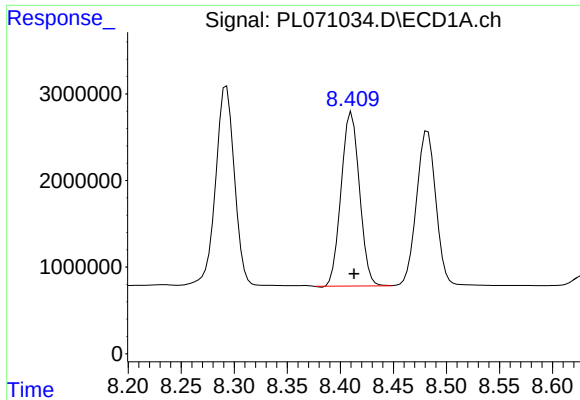
#16 4,4'-DDD

R.T.: 8.150 min  
Delta R.T.: -0.002 min  
Response: 26699884  
Conc: 52.55 ng/ml



#16 4,4'-DDD

R.T.: 9.038 min  
Delta R.T.: 0.000 min  
Response: 65290105  
Conc: 54.25 ng/ml



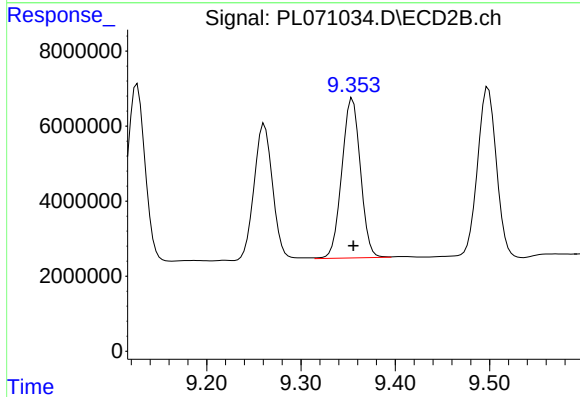
#17 4,4'-DDT

R.T.: 8.411 min  
Delta R.T.: -0.002 min  
Response: 24083529  
Conc: 43.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

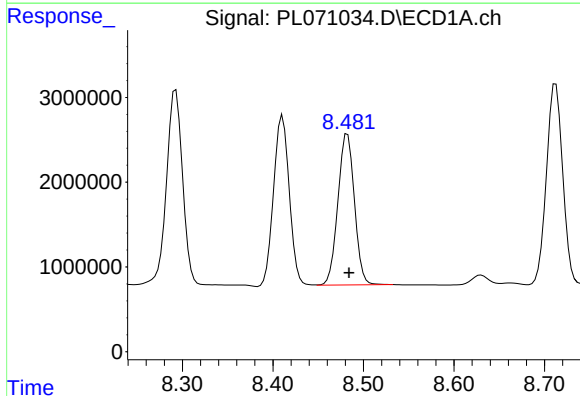
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



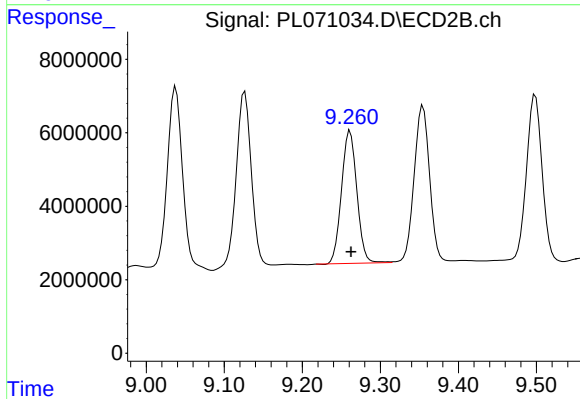
#17 4,4'-DDT

R.T.: 9.355 min  
Delta R.T.: -0.001 min  
Response: 58356292  
Conc: 46.26 ng/ml



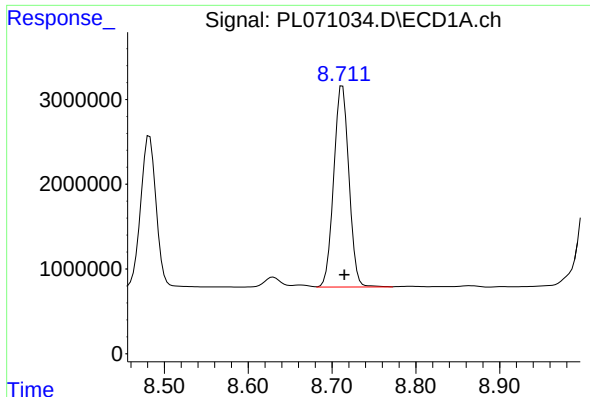
#18 Endrin aldehyde

R.T.: 8.482 min  
Delta R.T.: -0.002 min  
Response: 22612510  
Conc: 49.77 ng/ml



#18 Endrin aldehyde

R.T.: 9.261 min  
Delta R.T.: -0.001 min  
Response: 49343331  
Conc: 51.02 ng/ml



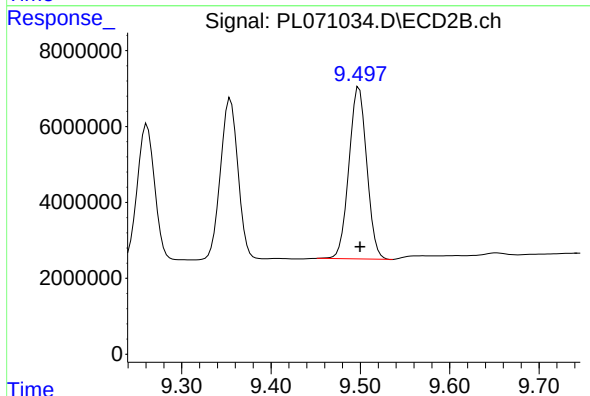
#19 Endosulfan Sulfate

R.T.: 8.712 min  
Delta R.T.: -0.002 min  
Response: 29855945  
Conc: 48.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

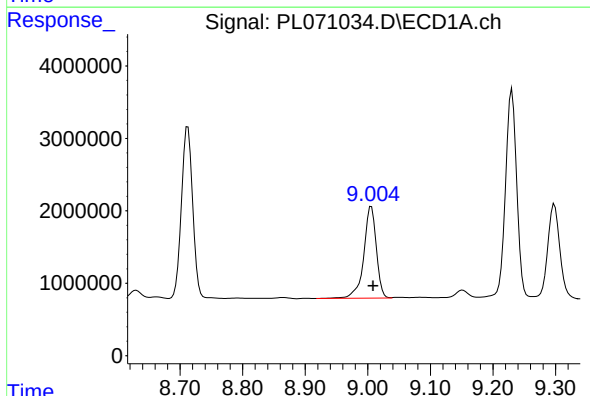
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



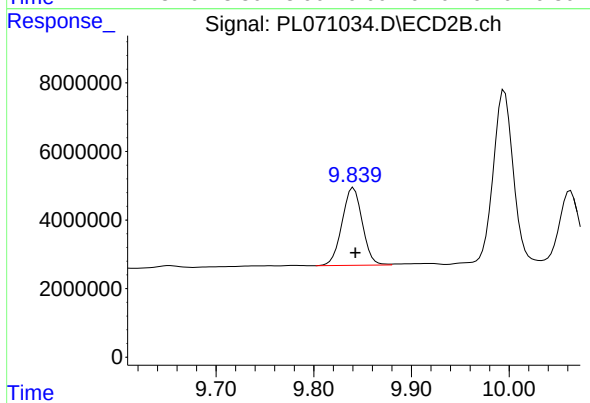
#19 Endosulfan Sulfate

R.T.: 9.499 min  
Delta R.T.: 0.000 min  
Response: 62834508  
Conc: 50.70 ng/ml



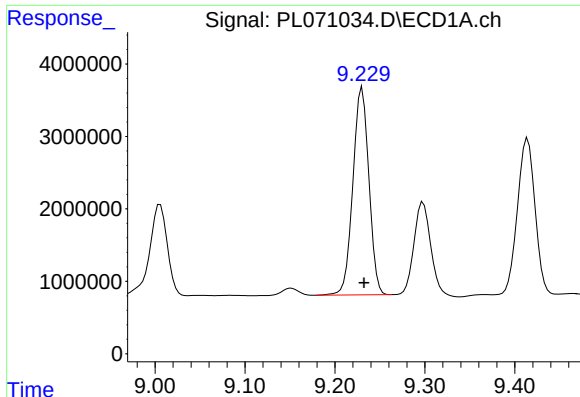
#20 Methoxychlor

R.T.: 9.006 min  
Delta R.T.: -0.003 min  
Response: 17630841  
Conc: 48.19 ng/ml



#20 Methoxychlor

R.T.: 9.841 min  
Delta R.T.: -0.002 min  
Response: 32743149  
Conc: 48.38 ng/ml



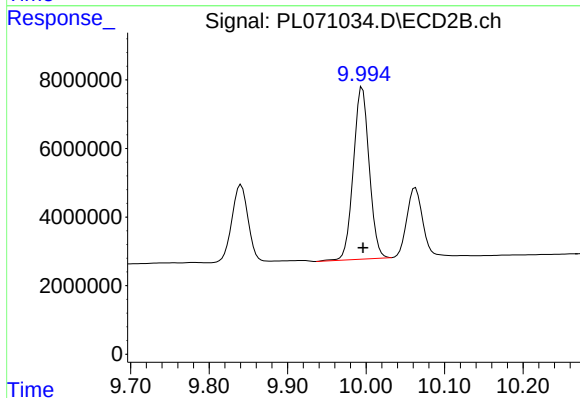
#21 Endrin ketone

R.T.: 9.230 min  
Delta R.T.: -0.002 min  
Response: 35317327  
Conc: 49.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

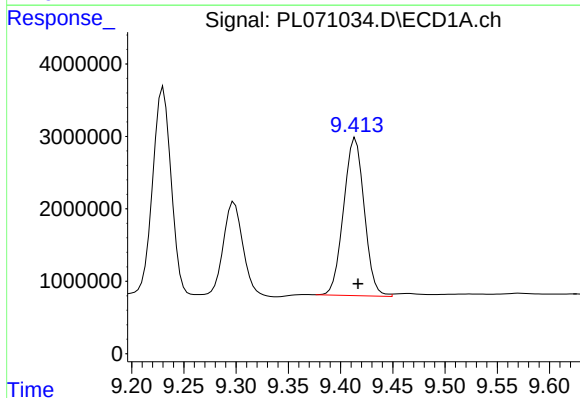
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



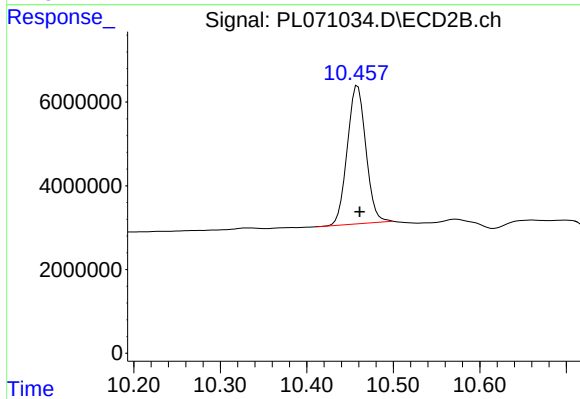
#21 Endrin ketone

R.T.: 9.995 min  
Delta R.T.: -0.001 min  
Response: 70216739  
Conc: 48.91 ng/ml



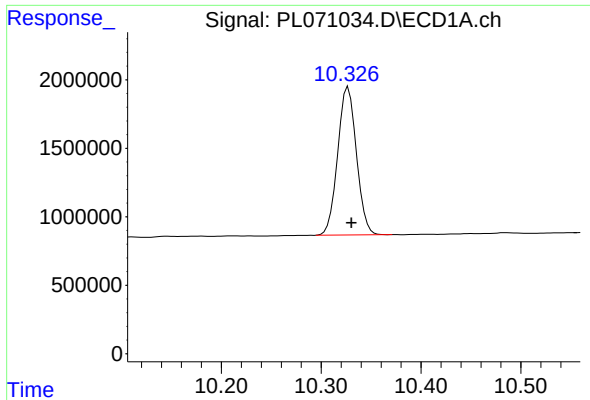
#22 Mirex

R.T.: 9.414 min  
Delta R.T.: -0.002 min  
Response: 29920282  
Conc: 48.72 ng/ml



#22 Mirex

R.T.: 10.459 min  
Delta R.T.: -0.003 min  
Response: 49221417  
Conc: 47.26 ng/ml



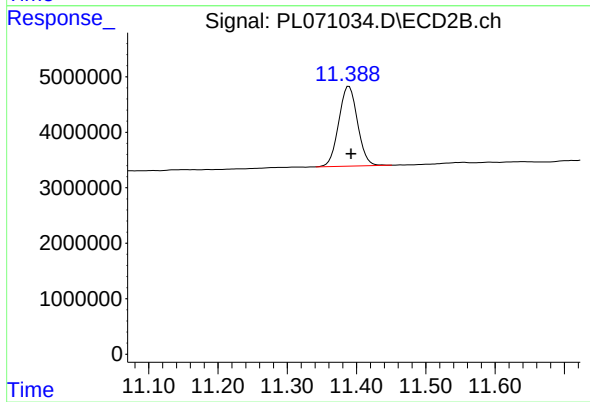
#28 Decachlorobiphenyl

R.T.: 10.327 min  
Delta R.T.: -0.003 min  
Response: 14127787  
Conc: 20.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-2-COMPMS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/18/2021  
Supervised By :mohammad ahmed 11/18/2021



#28 Decachlorobiphenyl

R.T.: 11.389 min  
Delta R.T.: -0.003 min  
Response: 27128176  
Conc: 20.28 ng/ml