

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062825\  
 Data File : PD089198.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 27 Jun 2025 20:22  
 Operator : AR\AJ  
 Sample : Q2425-03MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 COMP-3MS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025  
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 27 23:15:58 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 05:39:05 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.548 | 2.881 | 48494196 | 313.5E6  | 16.997m | 18.491  |
| 28)                         | SA Decachlor... | 9.070 | 8.071 | 62935418 | 326.0E6  | 16.024  | 16.488  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.393 | 242.4E6  | 1152.6E6 | 41.588  | 43.010  |
| 3)                          | MA gamma-BHC... | 4.329 | 3.729 | 222.7E6  | 1006.5E6 | 39.892  | 40.655  |
| 4)                          | MA Heptachlor   | 4.928 | 4.082 | 199.8E6  | 948.7E6  | 36.644  | 37.889  |
| 5)                          | MB Aldrin       | 5.270 | 4.368 | 232.2E6  | 1079.3E6 | 43.713  | 44.566  |
| 6)                          | B beta-BHC      | 4.515 | 4.025 | 93897998 | 482.0E6  | 42.543  | 44.857  |
| 7)                          | B delta-BHC     | 4.763 | 4.262 | 217.7E6  | 1027.5E6 | 42.410  | 41.309  |
| 8)                          | B Heptachlo...  | 5.690 | 4.871 | 207.6E6  | 972.1E6  | 43.038  | 44.394  |
| 9)                          | A Endosulfan I  | 6.073 | 5.246 | 195.1E6  | 893.3E6  | 43.283  | 42.861  |
| 10)                         | B gamma-Chl...  | 5.945 | 5.124 | 215.9E6  | 1058.6E6 | 45.081  | 44.250  |
| 11)                         | B alpha-Chl...  | 6.026 | 5.189 | 208.3E6  | 1004.0E6 | 43.051  | 43.848  |
| 12)                         | B 4,4'-DDE      | 6.195 | 5.373 | 186.4E6  | 1008.0E6 | 42.747  | 43.985  |
| 13)                         | MA Dieldrin     | 6.346 | 5.512 | 207.1E6  | 1012.4E6 | 43.160  | 43.620  |
| 14)                         | MA Endrin       | 6.573 | 5.788 | 164.6E6  | 890.8E6  | 39.905  | 41.026  |
| 15)                         | B Endosulfa...  | 6.784 | 6.078 | 171.9E6  | 865.0E6  | 42.586  | 42.828m |
| 16)                         | A 4,4'-DDD      | 6.704 | 5.928 | 158.5E6  | 848.4E6  | 46.184  | 44.352  |
| 17)                         | MA 4,4'-DDT     | 7.019 | 6.182 | 108.3E6  | 670.0E6  | 28.596  | 33.040  |
| 18)                         | B Endrin al...  | 6.913 | 6.257 | 86973441 | 444.9E6  | 28.386  | 29.057  |
| 19)                         | B Endosulfa...  | 7.148 | 6.480 | 130.6E6  | 679.0E6  | 34.028  | 34.608  |
| 20)                         | A Methoxychlor  | 7.491 | 6.752 | 55345475 | 317.3E6  | 27.390  | 29.471  |
| 21)                         | B Endrin ke...  | 7.628 | 6.990 | 166.5E6  | 886.1E6  | 40.873  | 41.019  |
| 22)                         | Mirex           | 8.112 | 7.183 | 120.6E6  | 679.6E6  | 39.654  | 40.746  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062825\  
Data File : PD089198.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 27 Jun 2025 20:22  
Operator : AR\AJ  
Sample : Q2425-03MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

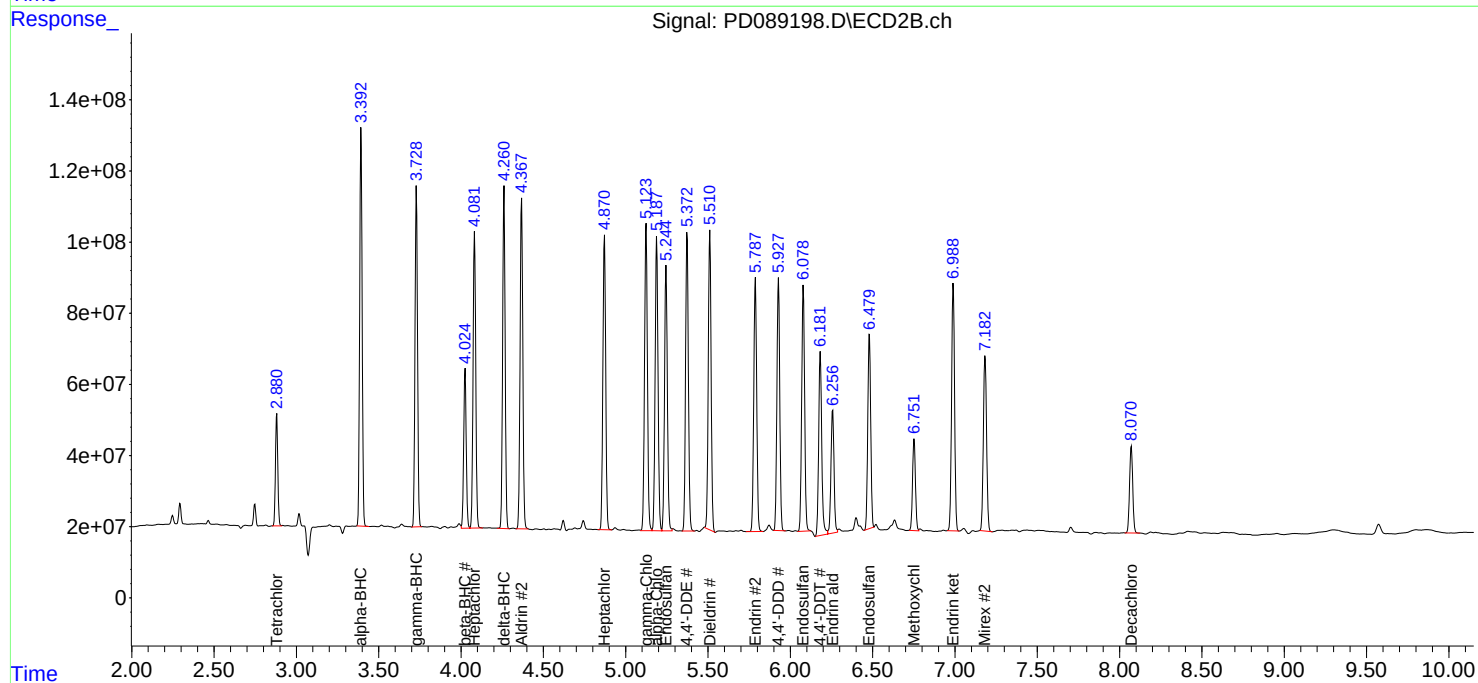
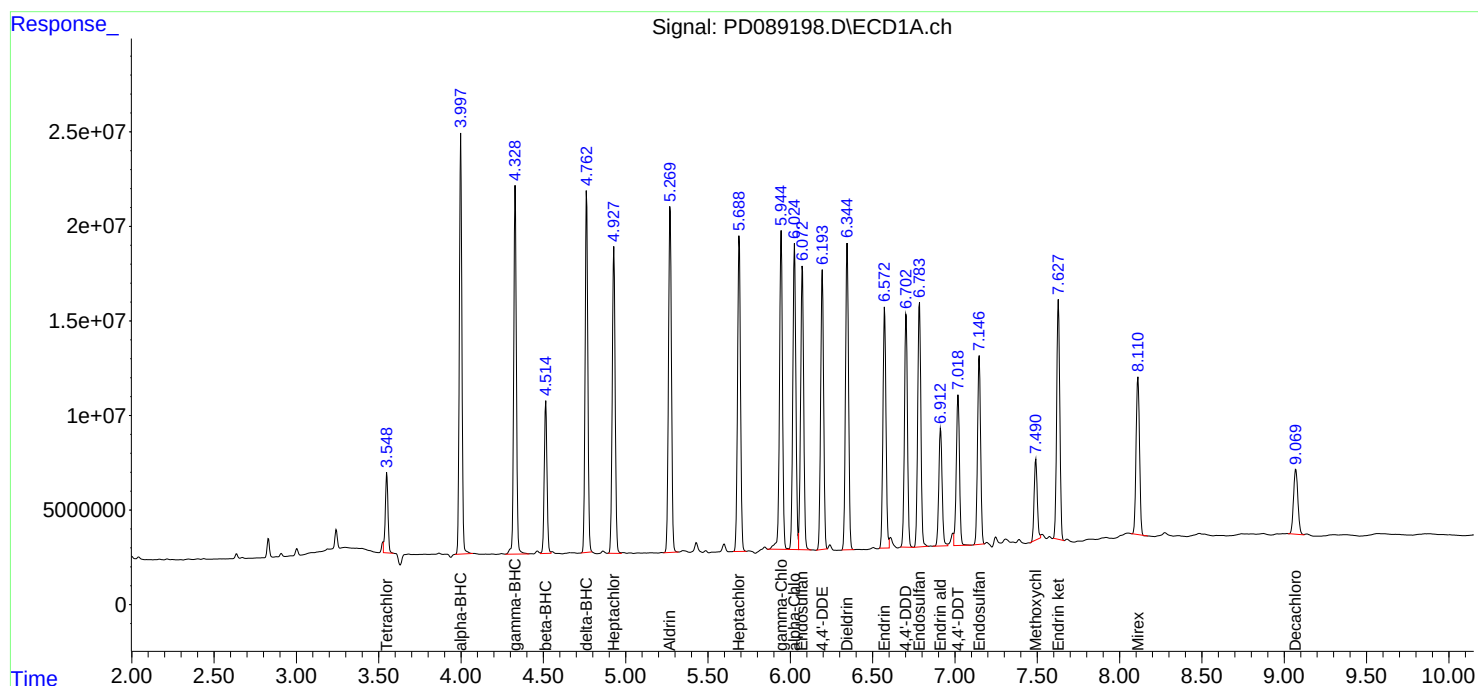
Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

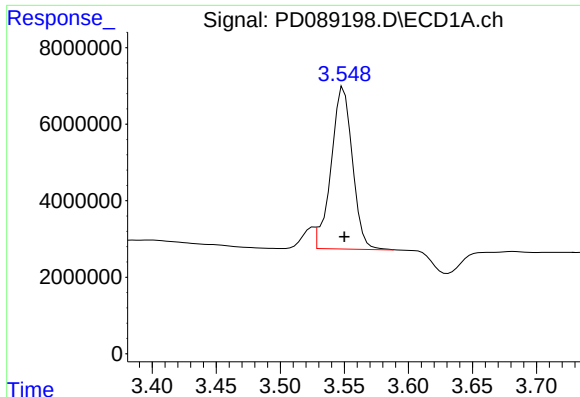
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 27 23:15:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 05:39:05 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





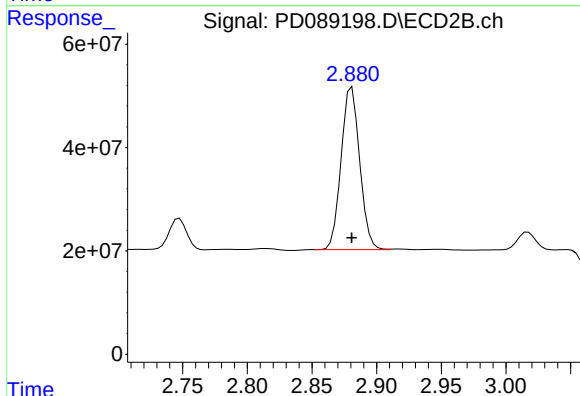
#1 Tetrachloro-m-xylene

R.T.: 3.548 min  
Delta R.T.: -0.002 min  
Response: 48494196  
Conc: 17.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

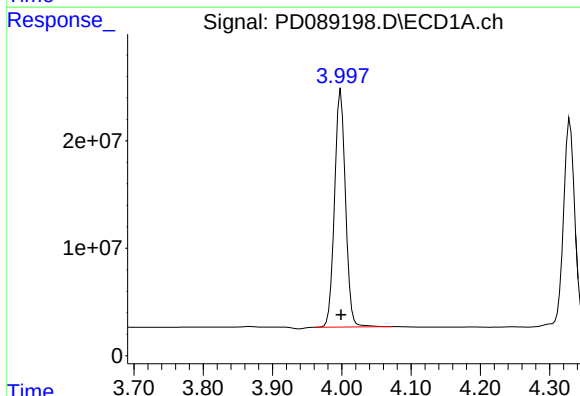
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



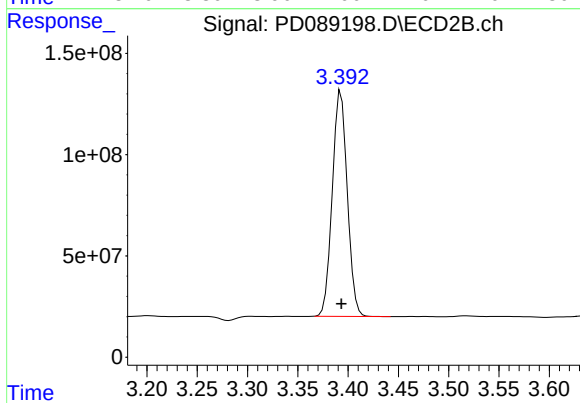
#1 Tetrachloro-m-xylene

R.T.: 2.881 min  
Delta R.T.: 0.000 min  
Response: 313473354  
Conc: 18.49 ng/ml



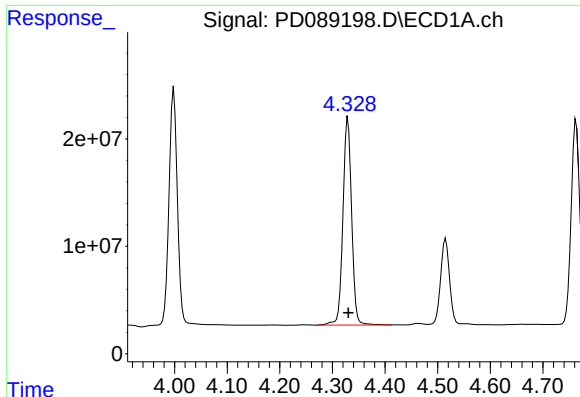
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 242419851  
Conc: 41.59 ng/ml



#2 alpha-BHC

R.T.: 3.393 min  
Delta R.T.: 0.000 min  
Response: 1152550998  
Conc: 43.01 ng/ml



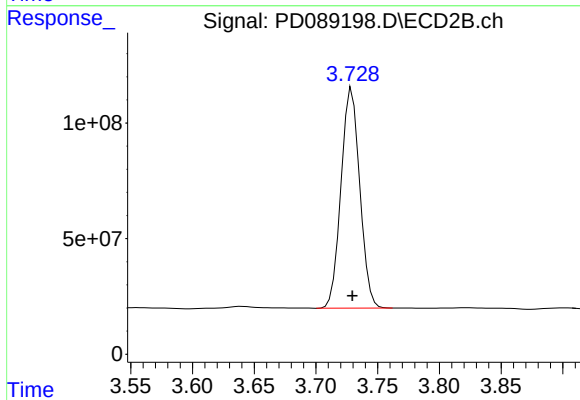
#3 gamma-BHC (Lindane)

R.T.: 4.329 min  
Delta R.T.: 0.000 min  
Response: 222665125  
Conc: 39.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

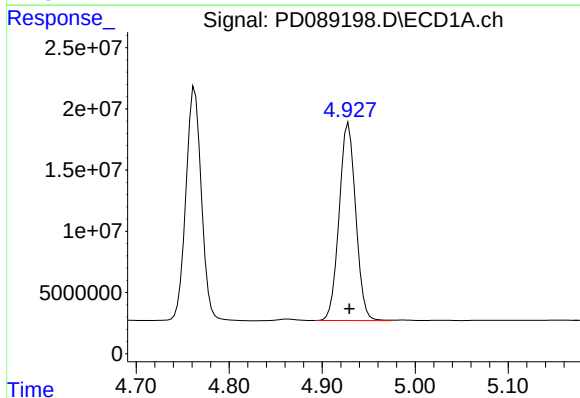
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



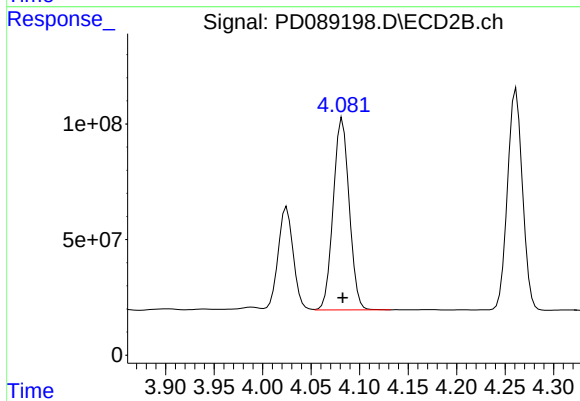
#3 gamma-BHC (Lindane)

R.T.: 3.729 min  
Delta R.T.: 0.000 min  
Response: 1006494638  
Conc: 40.66 ng/ml



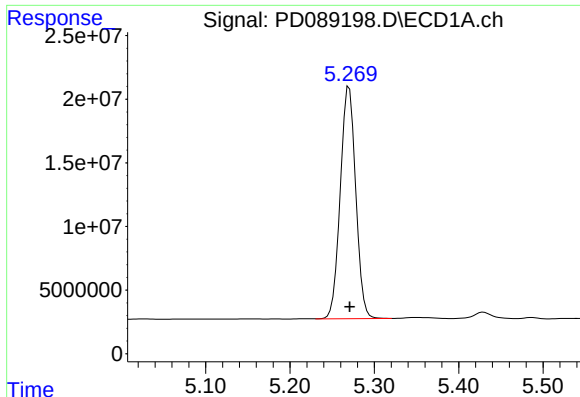
#4 Heptachlor

R.T.: 4.928 min  
Delta R.T.: -0.001 min  
Response: 199784277  
Conc: 36.64 ng/ml



#4 Heptachlor

R.T.: 4.082 min  
Delta R.T.: 0.000 min  
Response: 948686144  
Conc: 37.89 ng/ml



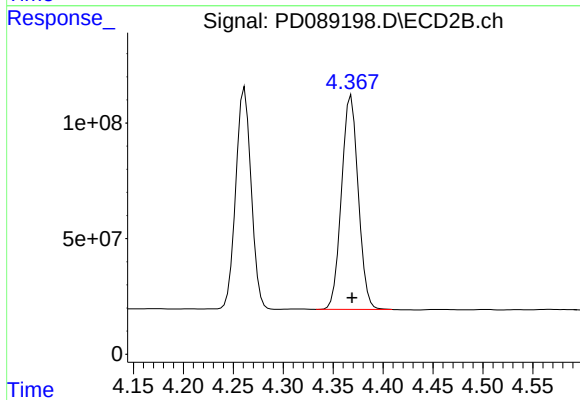
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.000 min  
Response: 232248236  
Conc: 43.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

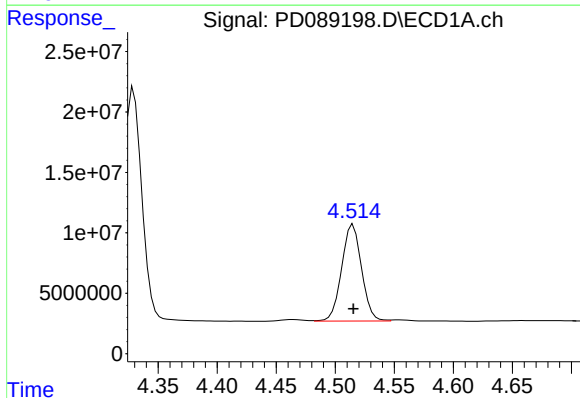
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



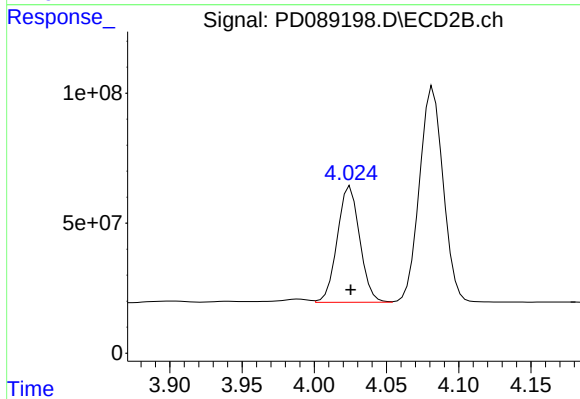
#5 Aldrin

R.T.: 4.368 min  
Delta R.T.: 0.000 min  
Response: 1079254764  
Conc: 44.57 ng/ml



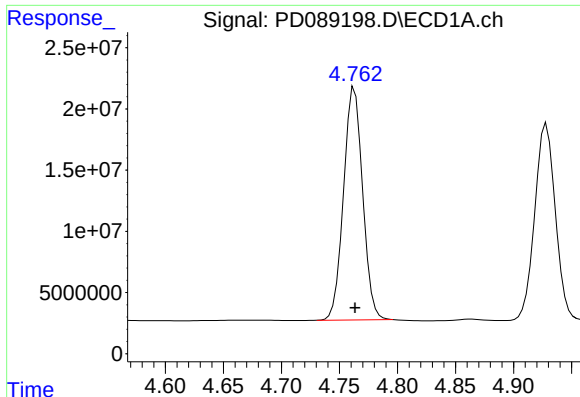
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 93897998  
Conc: 42.54 ng/ml



#6 beta-BHC

R.T.: 4.025 min  
Delta R.T.: 0.000 min  
Response: 482048851  
Conc: 44.86 ng/ml



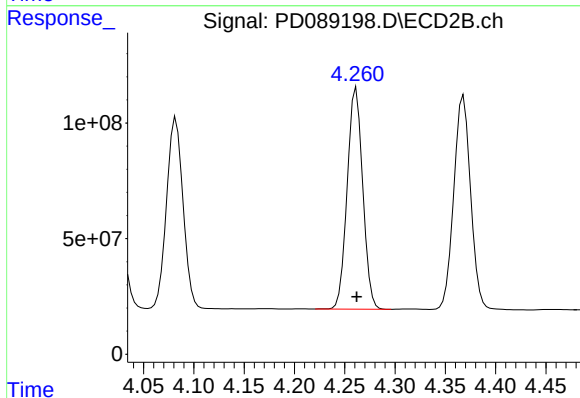
#7 delta-BHC

R.T.: 4.763 min  
Delta R.T.: 0.000 min  
Response: 217686098  
Conc: 42.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

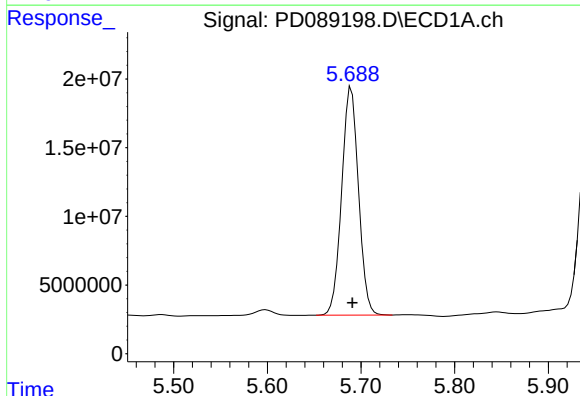
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



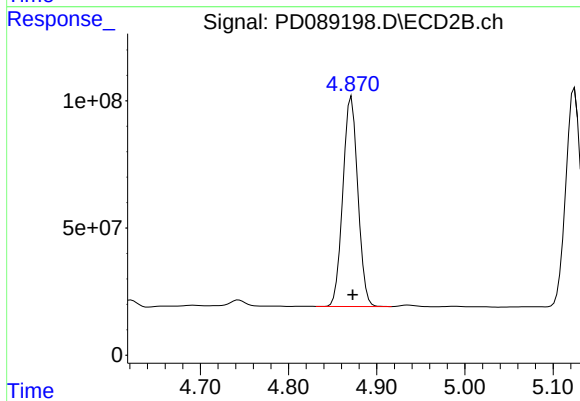
#7 delta-BHC

R.T.: 4.262 min  
Delta R.T.: 0.000 min  
Response: 1027496858  
Conc: 41.31 ng/ml



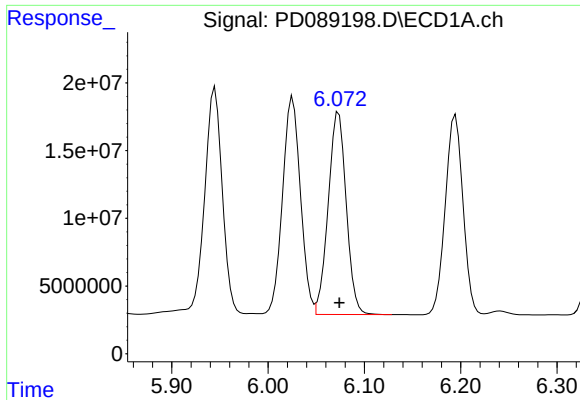
#8 Heptachlor epoxide

R.T.: 5.690 min  
Delta R.T.: -0.001 min  
Response: 207614000  
Conc: 43.04 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min  
Delta R.T.: -0.001 min  
Response: 972149199  
Conc: 44.39 ng/ml



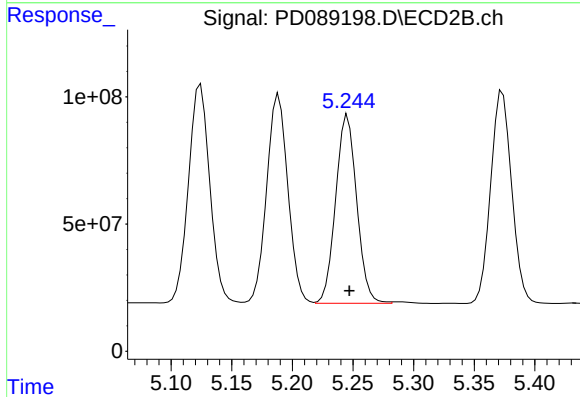
#9 Endosulfan I

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 195095483  
Conc: 43.28 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

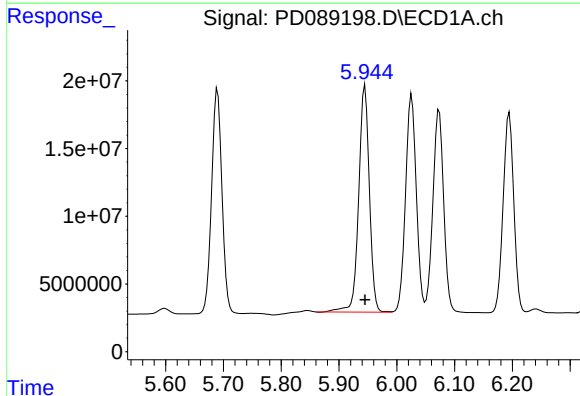
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



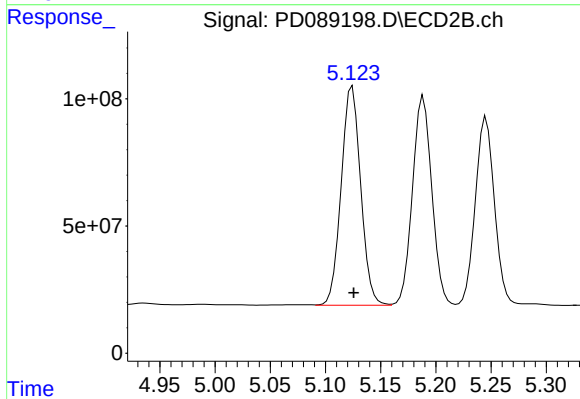
#9 Endosulfan I

R.T.: 5.246 min  
Delta R.T.: -0.001 min  
Response: 893319805  
Conc: 42.86 ng/ml



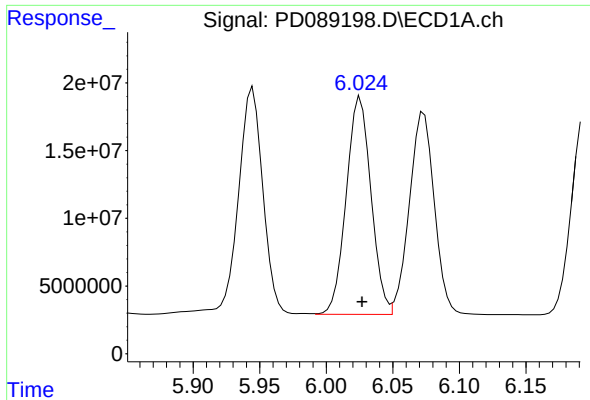
#10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: 0.000 min  
Response: 215853334  
Conc: 45.08 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min  
Delta R.T.: -0.001 min  
Response: 1058584098  
Conc: 44.25 ng/ml



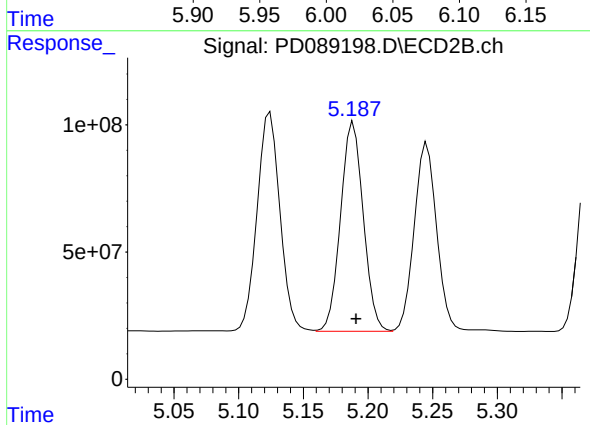
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: -0.001 min  
Response: 208302725  
Conc: 43.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

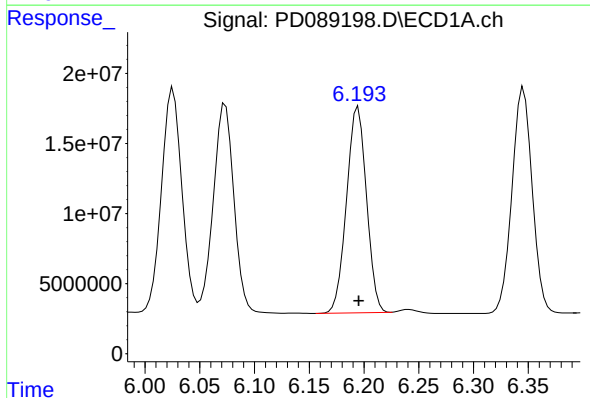
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



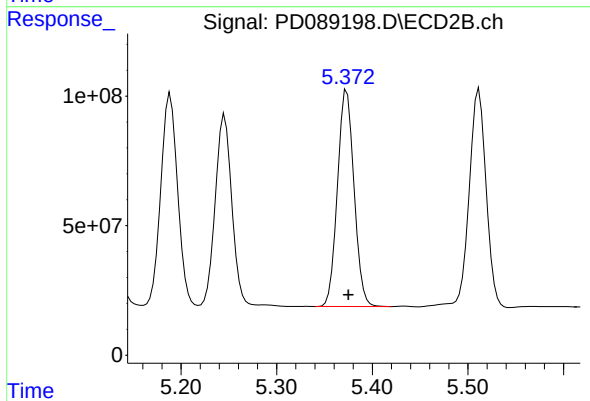
#11 alpha-Chlordane

R.T.: 5.189 min  
Delta R.T.: -0.002 min  
Response: 1003989833  
Conc: 43.85 ng/ml



#12 4,4'-DDE

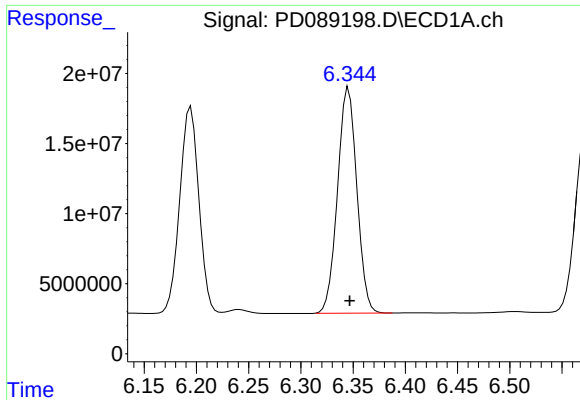
R.T.: 6.195 min  
Delta R.T.: 0.000 min  
Response: 186422513  
Conc: 42.75 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min  
Delta R.T.: -0.002 min  
Response: 1007958408  
Conc: 43.98 ng/ml





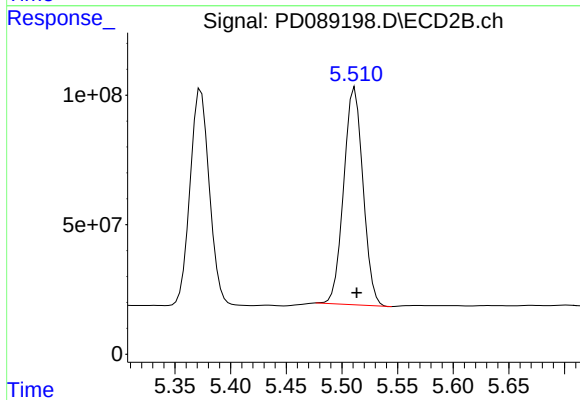
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: -0.001 min  
Response: 207059985  
Conc: 43.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

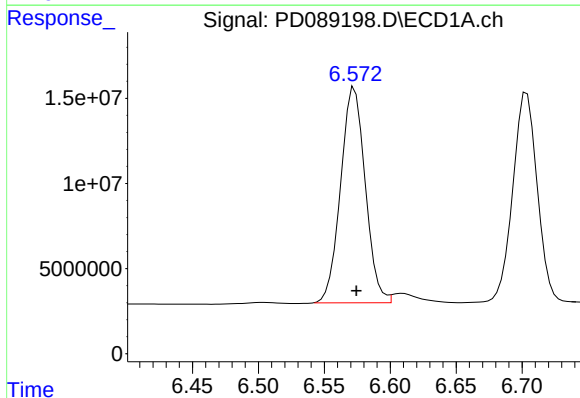
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



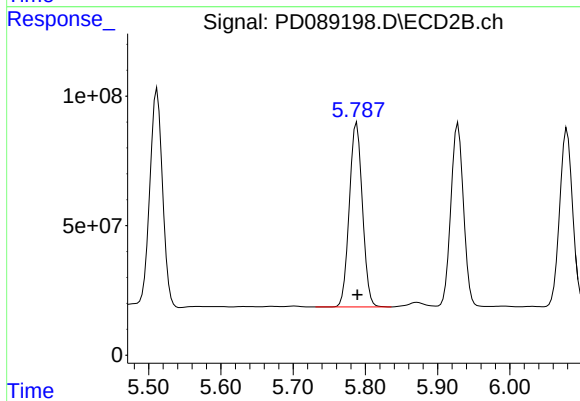
#13 Dieldrin

R.T.: 5.512 min  
Delta R.T.: -0.001 min  
Response: 1012360114  
Conc: 43.62 ng/ml



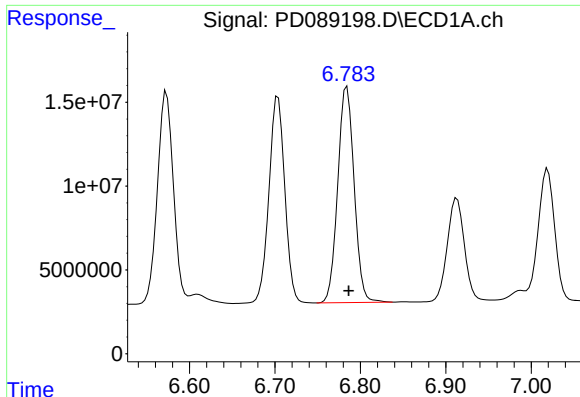
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: -0.001 min  
Response: 164629904  
Conc: 39.90 ng/ml



#14 Endrin

R.T.: 5.788 min  
Delta R.T.: -0.001 min  
Response: 890839827  
Conc: 41.03 ng/ml



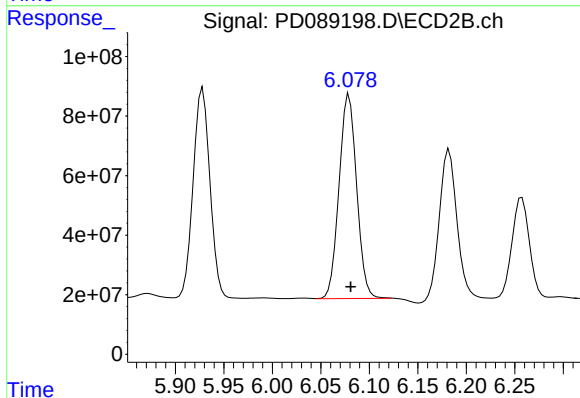
#15 Endosulfan II

R.T.: 6.784 min  
Delta R.T.: -0.002 min  
Response: 171901365  
Conc: 42.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

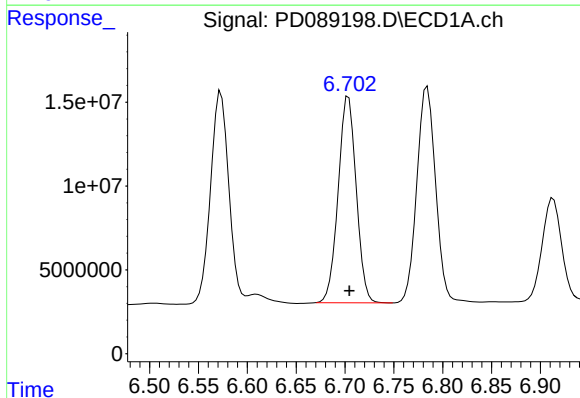
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



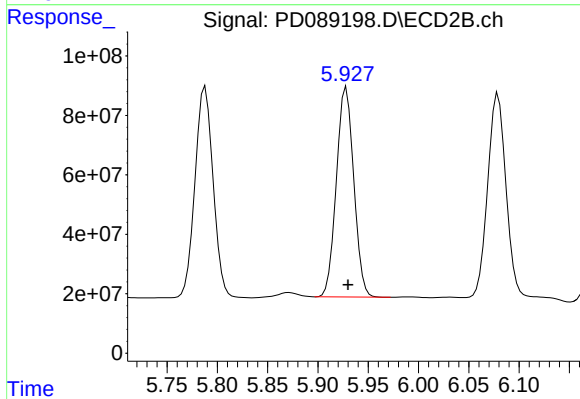
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: -0.003 min  
Response: 864979461  
Conc: 42.83 ng/ml m



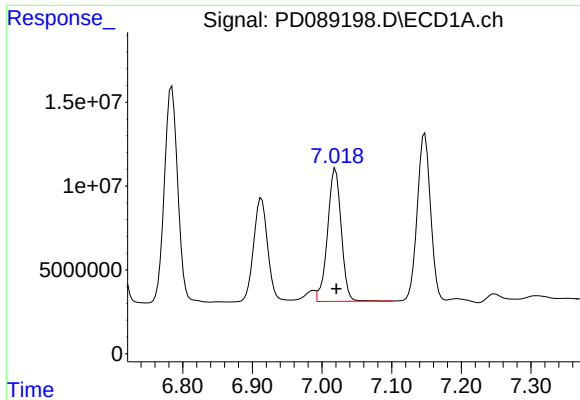
#16 4,4'-DDD

R.T.: 6.704 min  
Delta R.T.: -0.001 min  
Response: 158504971  
Conc: 46.18 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min  
Delta R.T.: -0.002 min  
Response: 848418438  
Conc: 44.35 ng/ml



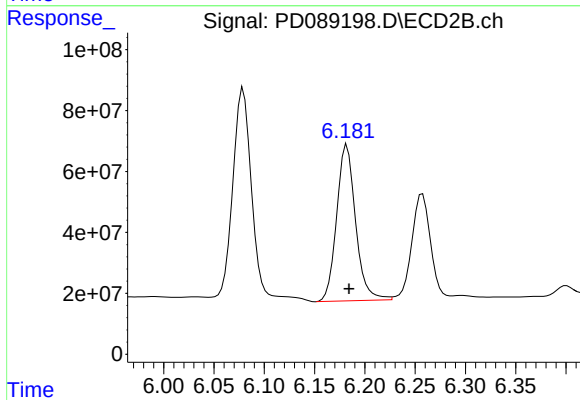
#17 4,4'-DDT

R.T.: 7.019 min  
Delta R.T.: -0.001 min  
Response: 108328676  
Conc: 28.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

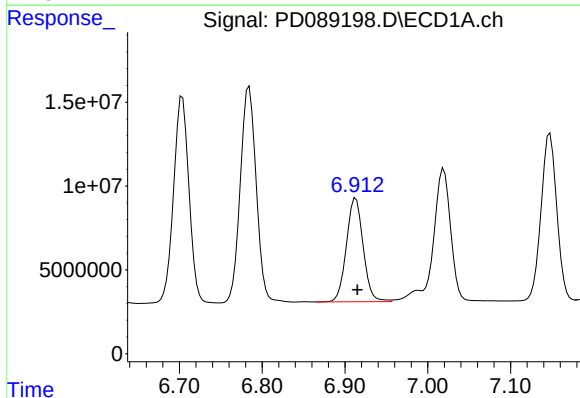
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



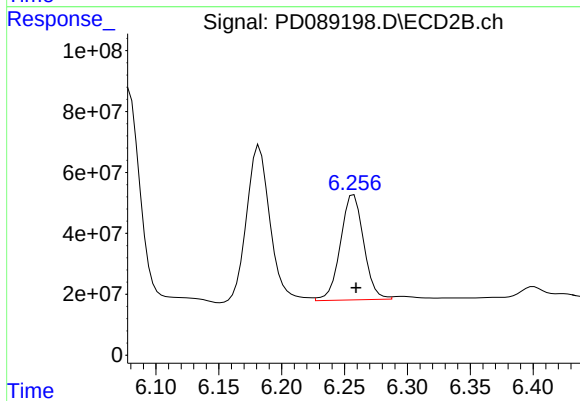
#17 4,4'-DDT

R.T.: 6.182 min  
Delta R.T.: -0.002 min  
Response: 670022724  
Conc: 33.04 ng/ml



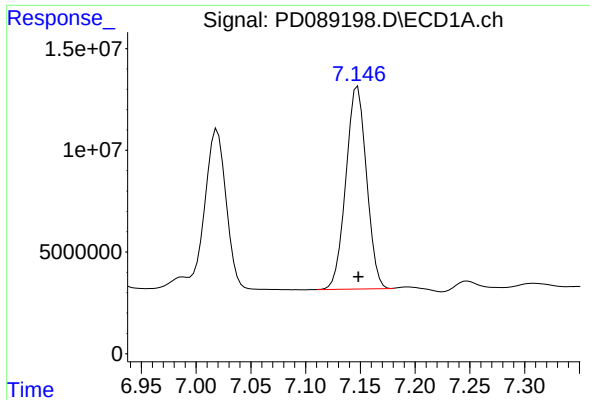
#18 Endrin aldehyde

R.T.: 6.913 min  
Delta R.T.: -0.002 min  
Response: 86973441  
Conc: 28.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min  
Delta R.T.: -0.002 min  
Response: 444900277  
Conc: 29.06 ng/ml



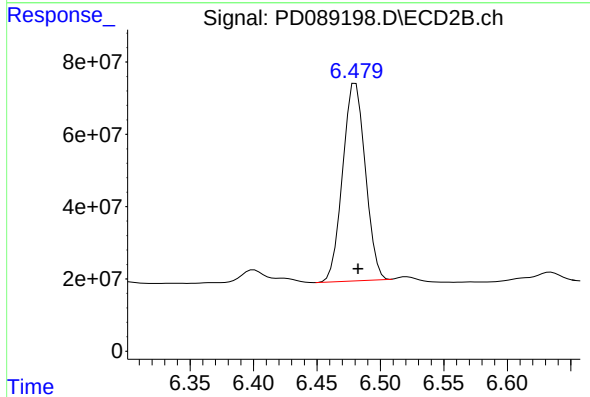
#19 Endosulfan Sulfate

R.T.: 7.148 min  
Delta R.T.: 0.000 min  
Response: 130570919  
Conc: 34.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

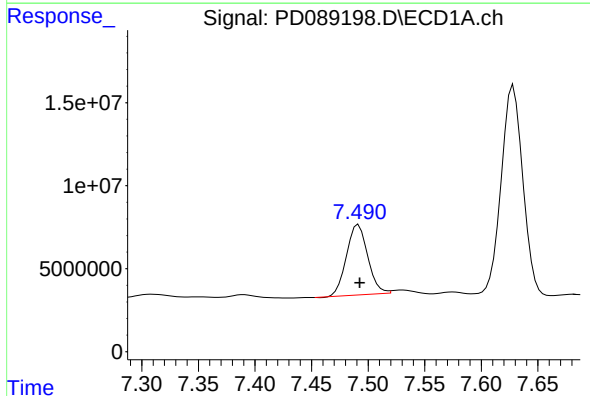
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



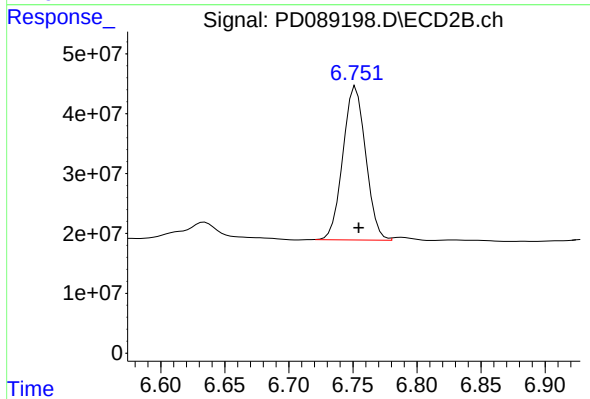
#19 Endosulfan Sulfate

R.T.: 6.480 min  
Delta R.T.: -0.002 min  
Response: 679049819  
Conc: 34.61 ng/ml



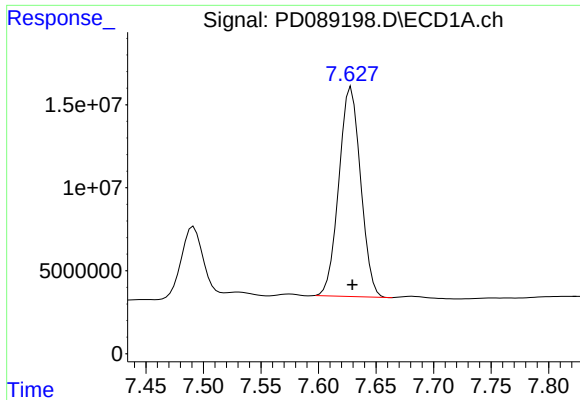
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: -0.001 min  
Response: 55345475  
Conc: 27.39 ng/ml



#20 Methoxychlor

R.T.: 6.752 min  
Delta R.T.: -0.002 min  
Response: 317344442  
Conc: 29.47 ng/ml



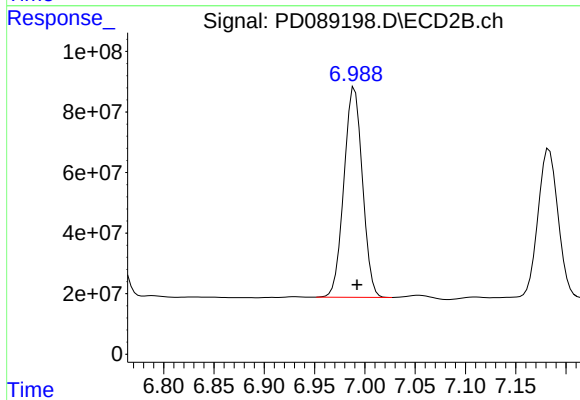
#21 Endrin ketone

R.T.: 7.628 min  
Delta R.T.: -0.001 min  
Response: 166480755  
Conc: 40.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

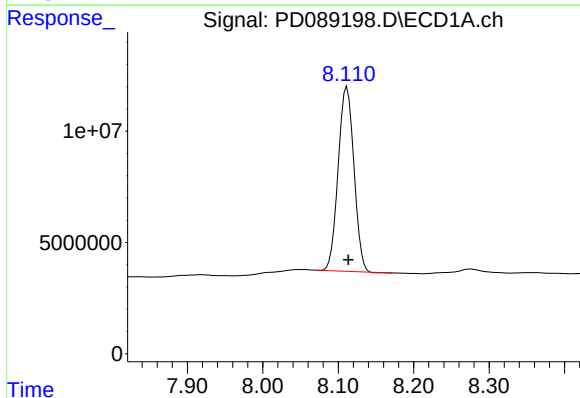
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



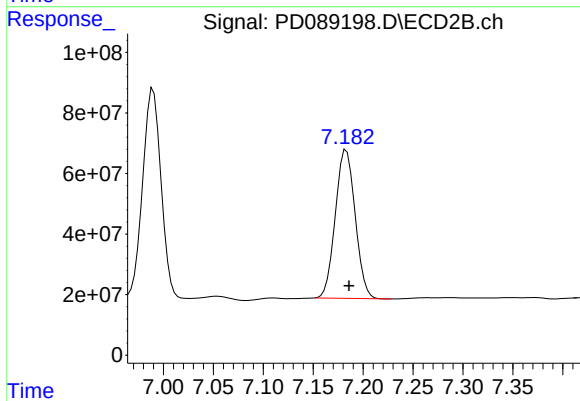
#21 Endrin ketone

R.T.: 6.990 min  
Delta R.T.: -0.002 min  
Response: 886091799  
Conc: 41.02 ng/ml



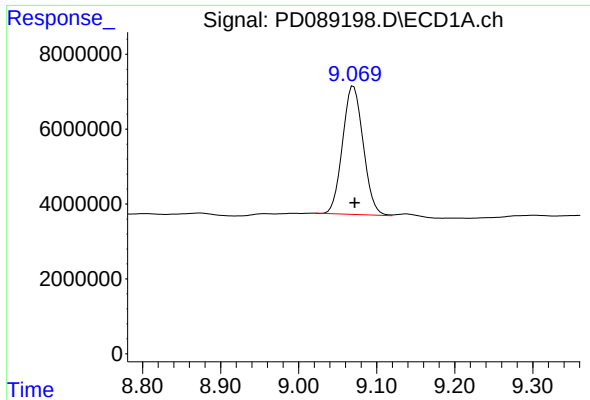
#22 Mirex

R.T.: 8.112 min  
Delta R.T.: -0.002 min  
Response: 120555084  
Conc: 39.65 ng/ml



#22 Mirex

R.T.: 7.183 min  
Delta R.T.: -0.003 min  
Response: 679571694  
Conc: 40.75 ng/ml



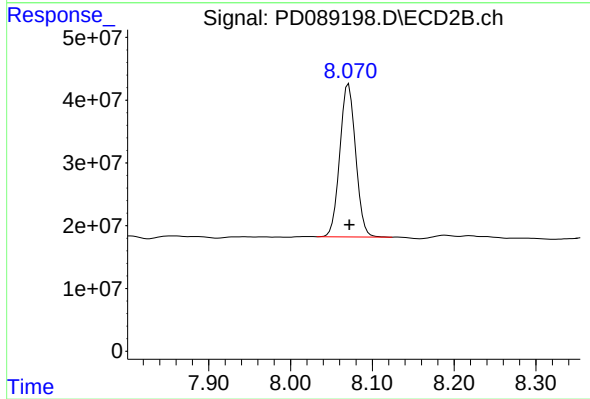
#28 Decachlorobiphenyl

R.T.: 9.070 min  
Delta R.T.: -0.002 min  
Response: 62935418  
Conc: 16.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-3MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min  
Delta R.T.: -0.001 min  
Response: 325963830  
Conc: 16.49 ng/ml