

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095889.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 15:09
 Operator : AR\AJ
 Sample : Q2176-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-25MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	48534351	57897501	15.382m	14.793
2) SA Decachlor...	9.098	8.060	27002635	49888927	11.460	11.405
Target Compounds						
2) A alpha-BHC	4.024	3.395	219.5E6	271.7E6	45.275	46.384
3) MA gamma-BHC...	4.356	3.729	201.2E6	256.3E6	44.992	45.761
4) MA Heptachlor	4.953	4.082	166.0E6	248.0E6	43.864	44.215
5) MB Aldrin	5.296	4.366	194.1E6	243.3E6	45.378	45.848
6) B beta-BHC	4.543	4.025	85340884	110.6E6	43.290	44.623
7) B delta-BHC	4.791	4.260	198.5E6	256.6E6	44.763	45.446
8) B Heptachlo...	5.717	4.868	173.7E6	225.1E6	45.502	45.600
9) A Endosulfan I	6.100	5.240	163.9E6	210.9E6	44.721	44.251
10) B gamma-Chl...	5.971	5.121	176.8E6	237.2E6	45.428	45.167
11) B alpha-Chl...	6.052	5.185	174.9E6	233.2E6	44.302	44.819
12) B 4,4'-DDE	6.223	5.372	160.0E6	235.2E6	43.616	43.859
13) MA Dieldrin	6.373	5.505	175.0E6	235.8E6	45.351	44.485
14) MA Endrin	6.600	5.780	139.3E6	207.9E6	43.174	42.635
15) B Endosulfa...	6.813	6.071	146.5E6	208.4E6	42.510	43.866
16) A 4,4'-DDD	6.732	5.923	133.7E6	192.2E6	45.611	43.836
17) MA 4,4'-DDT	7.047	6.177	113.4E6	198.2E6	41.927	41.452
18) B Endrin al...	6.942	6.249	103.3E6	151.6E6	42.738	43.899
19) B Endosulfa...	7.176	6.472	129.2E6	194.0E6	43.253	43.158
20) A Methoxychlor	7.520	6.747	53117302	105.9E6	41.650	40.467
21) B Endrin ke...	7.656	6.977	141.8E6	226.1E6	44.761m	43.701
22) Mirex	8.138	7.171	103.5E6	174.4E6	44.714	42.941

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

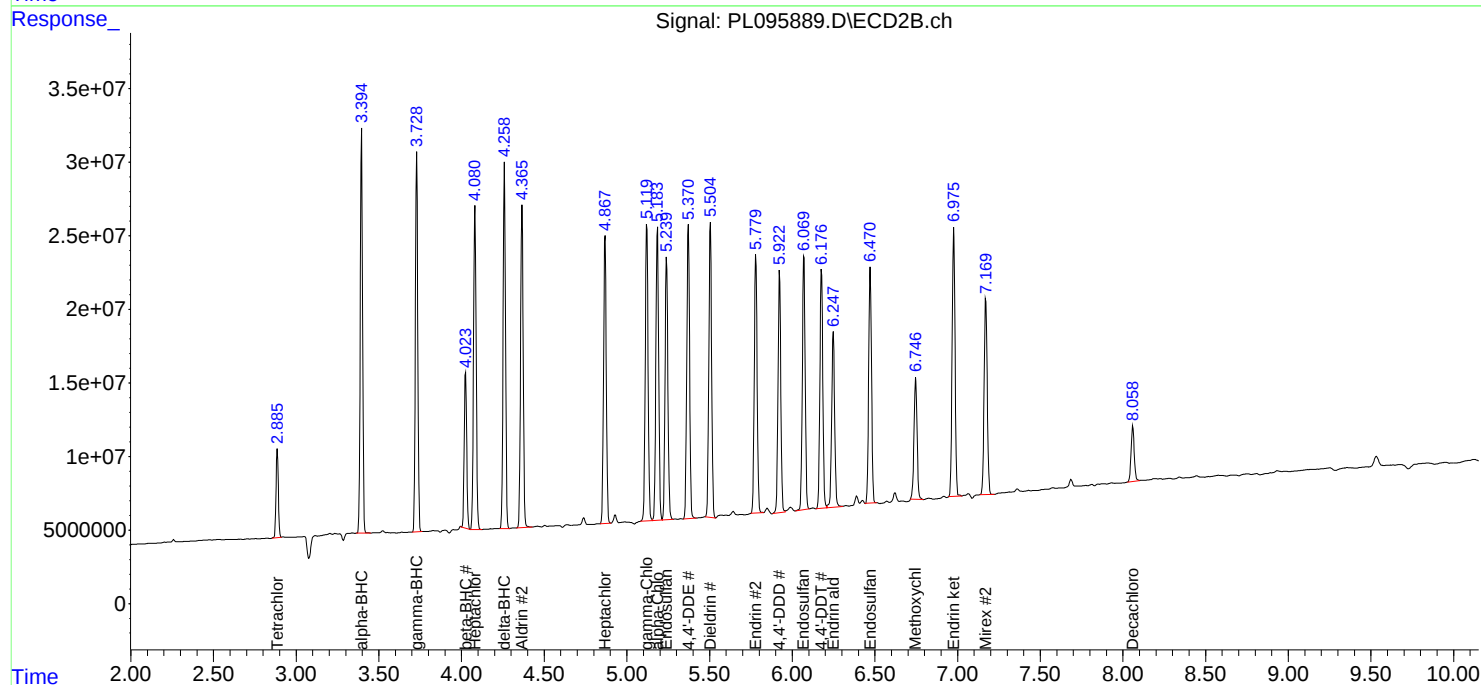
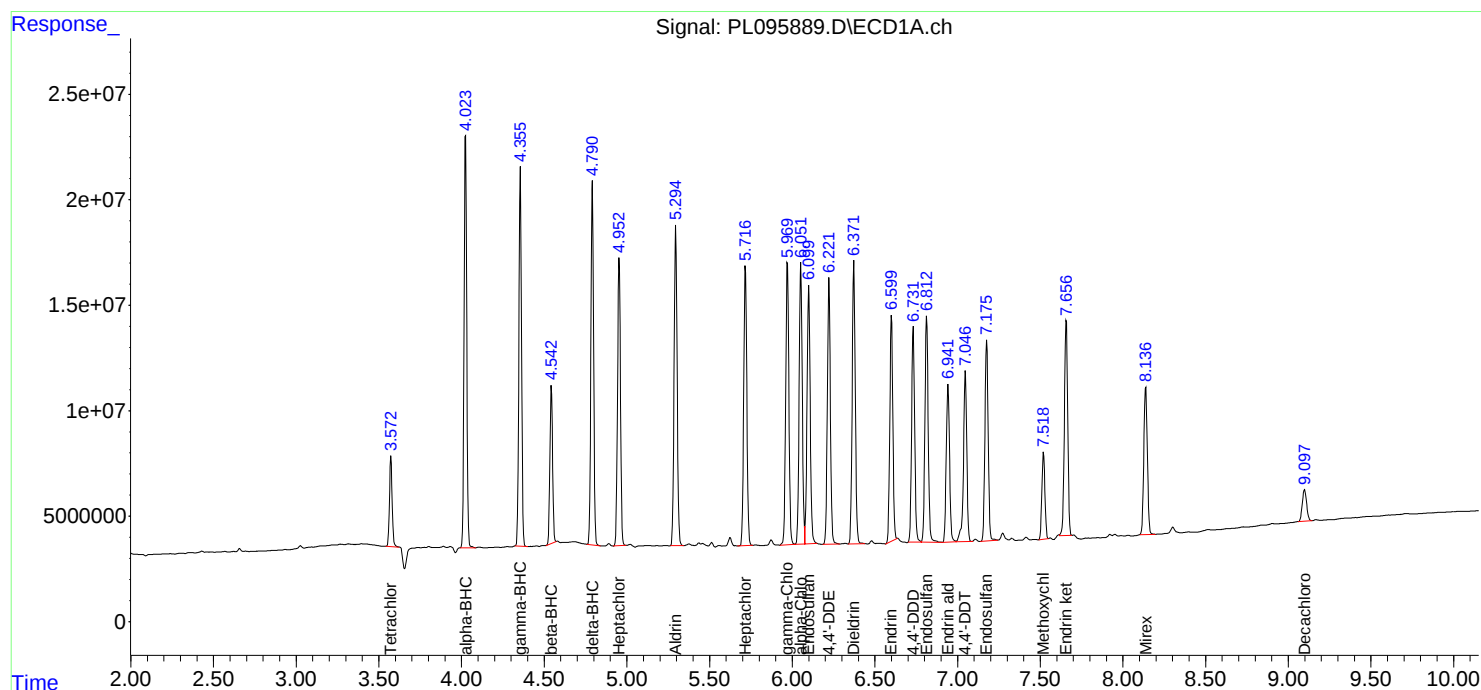
Instrument :
ECD_L
ClientSampleId :
TP-25MSD

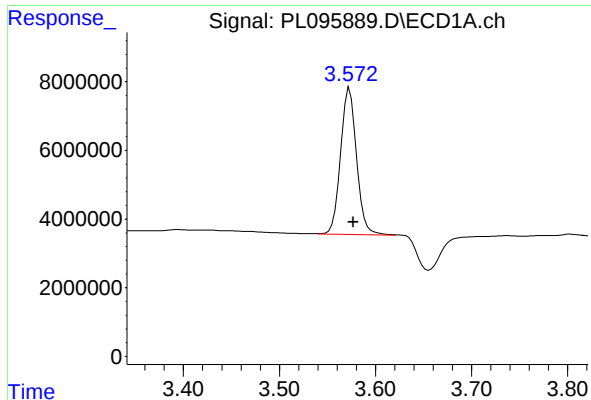
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





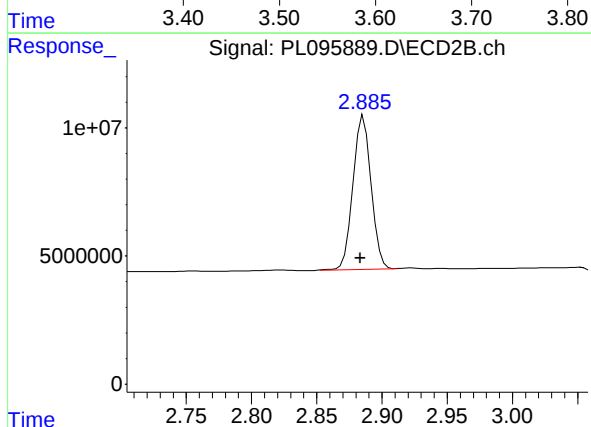
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 48534351
Conc: 15.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

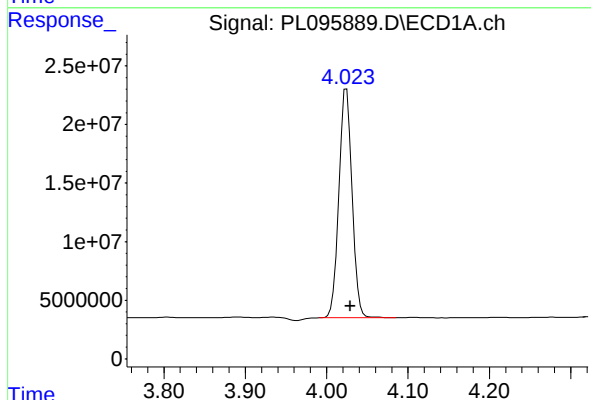
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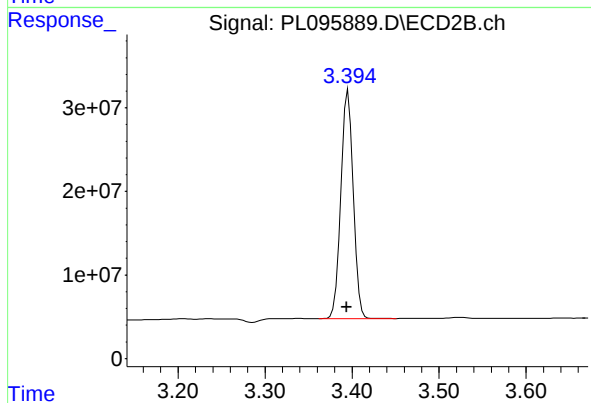
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 57897501
Conc: 14.79 ng/ml



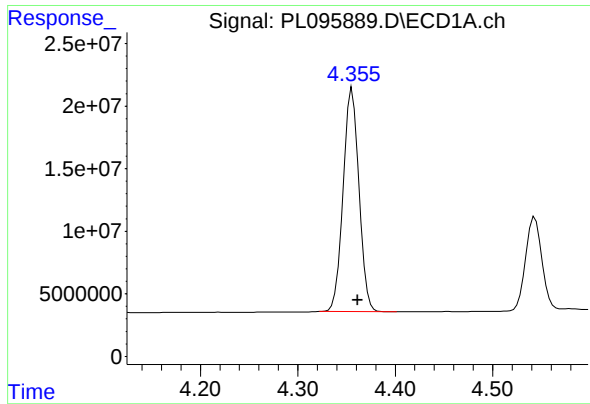
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 219492086
Conc: 45.28 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.002 min
Response: 271689022
Conc: 46.38 ng/ml



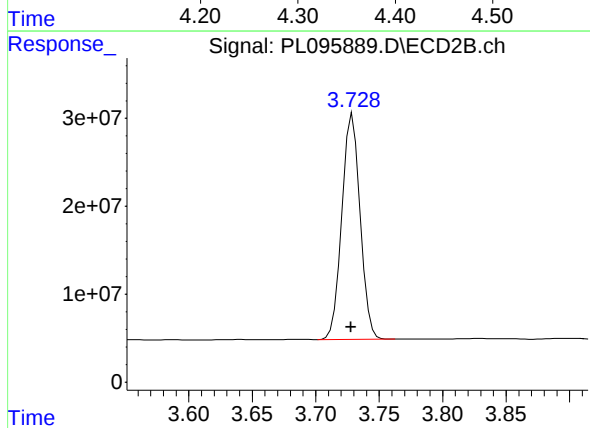
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 201195359
Conc: 44.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

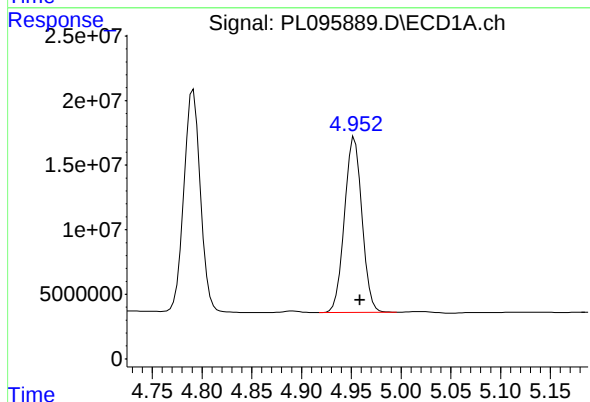
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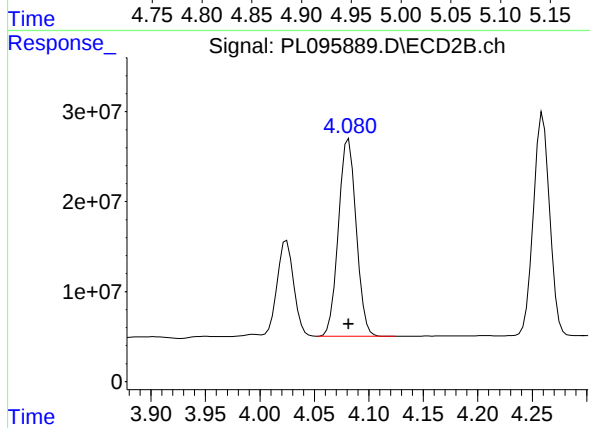
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 256319264
Conc: 45.76 ng/ml



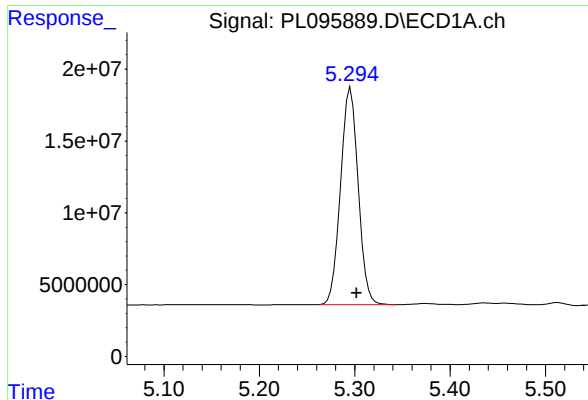
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.005 min
Response: 166026245
Conc: 43.86 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 248003538
Conc: 44.21 ng/ml



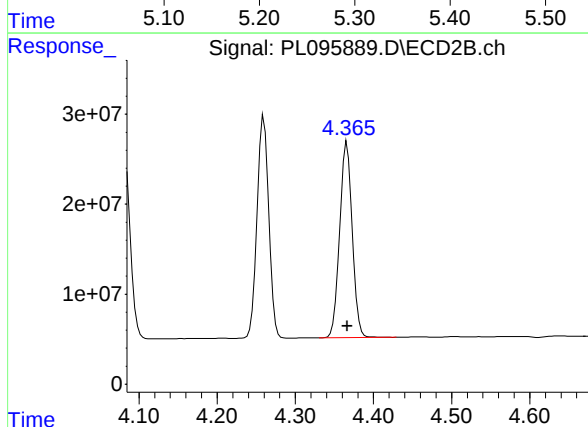
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 194113814
Conc: 45.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

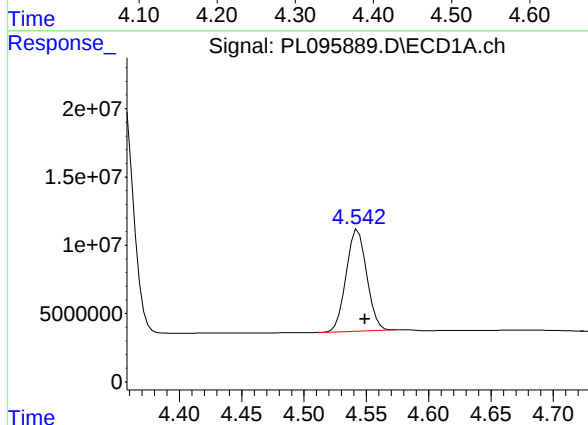
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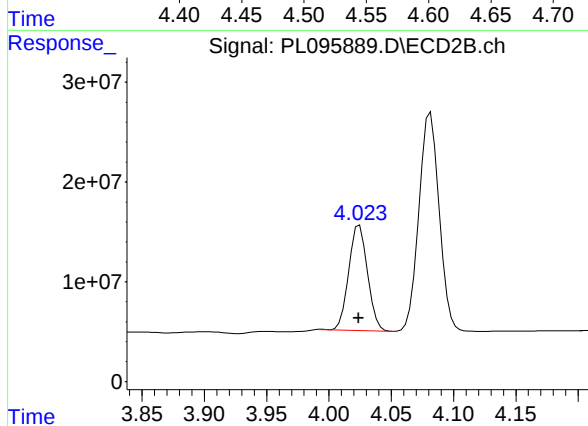
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 243318629
Conc: 45.85 ng/ml



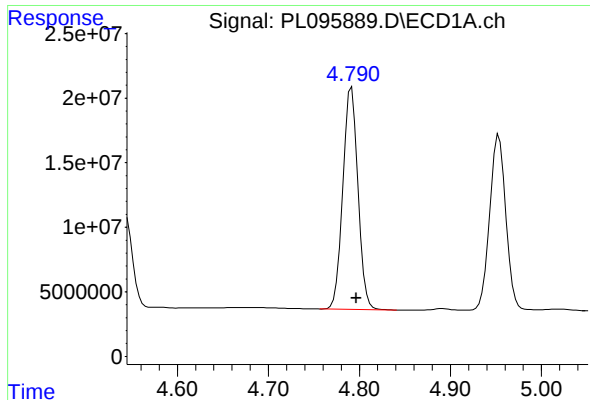
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.005 min
Response: 85340884
Conc: 43.29 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 110554964
Conc: 44.62 ng/ml



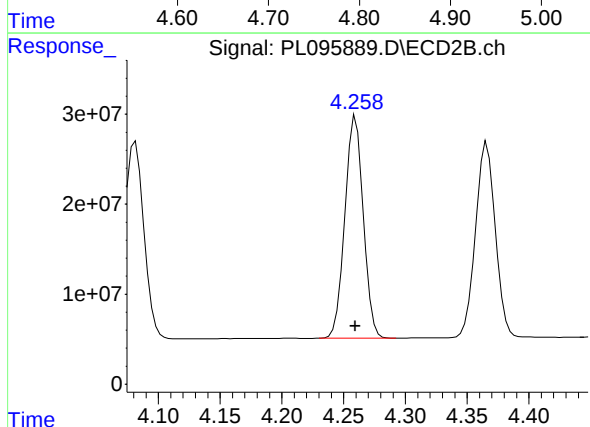
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.005 min
Response: 198463013
Conc: 44.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

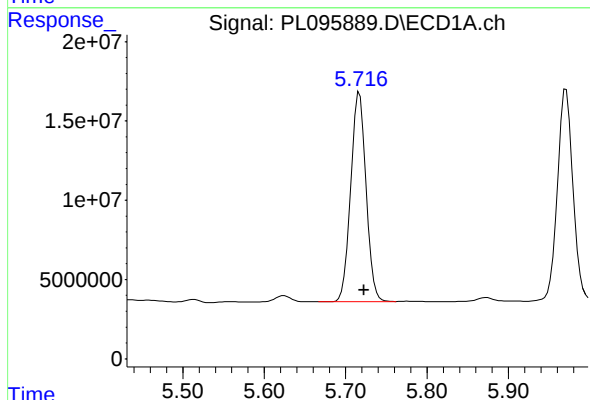
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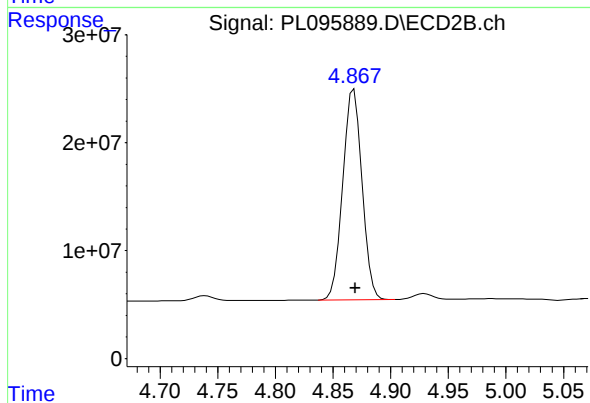
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 256649573
Conc: 45.45 ng/ml



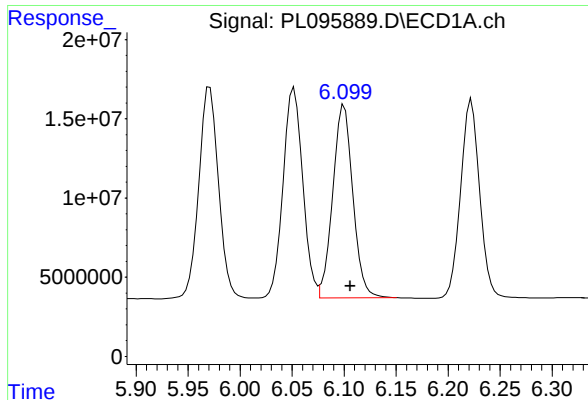
#8 Heptachlor epoxide

R.T.: 5.717 min
Delta R.T.: -0.005 min
Response: 173676108
Conc: 45.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 225146648
Conc: 45.60 ng/ml



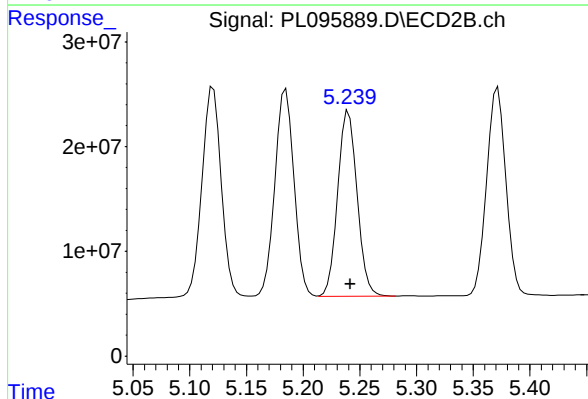
#9 Endosulfan I

R.T.: 6.100 min
Delta R.T.: -0.006 min
Response: 163893994
Conc: 44.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

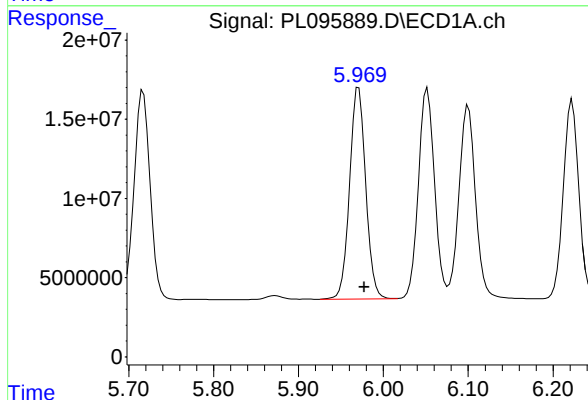
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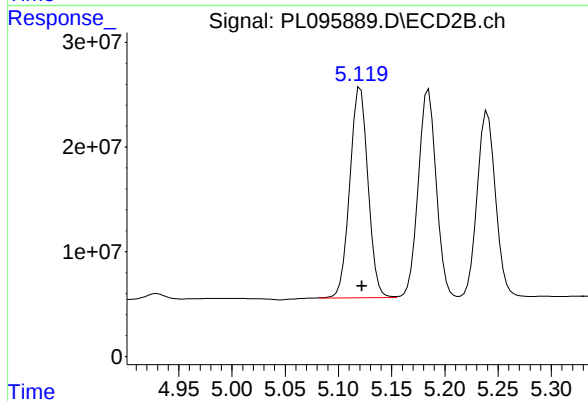
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 210855091
Conc: 44.25 ng/ml



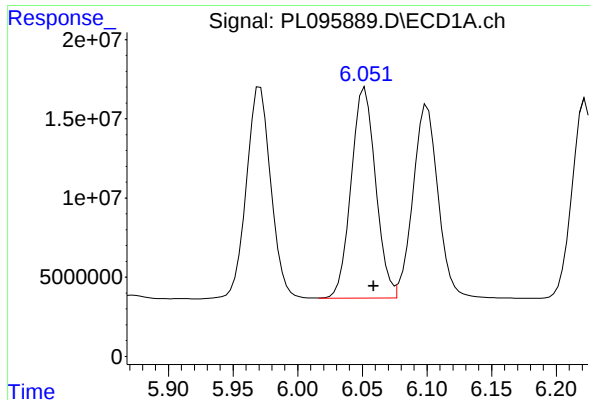
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.007 min
Response: 176808455
Conc: 45.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 237248944
Conc: 45.17 ng/ml



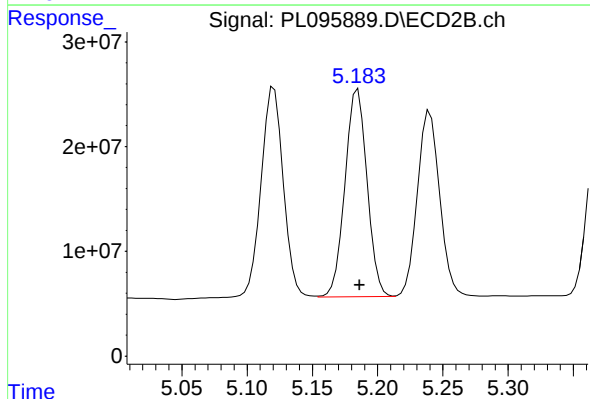
#11 alpha-Chlordane

R.T.: 6.052 min
Delta R.T.: -0.007 min
Response: 174913258
Conc: 44.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

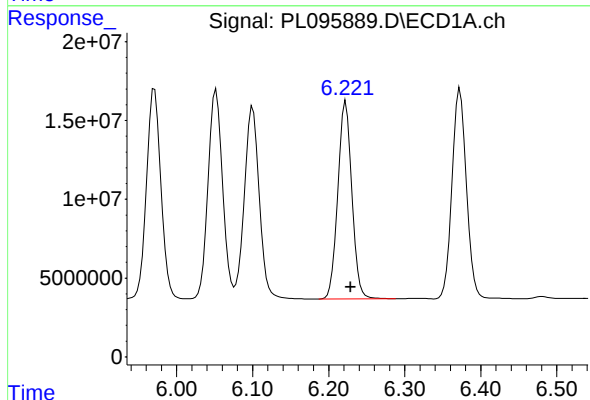
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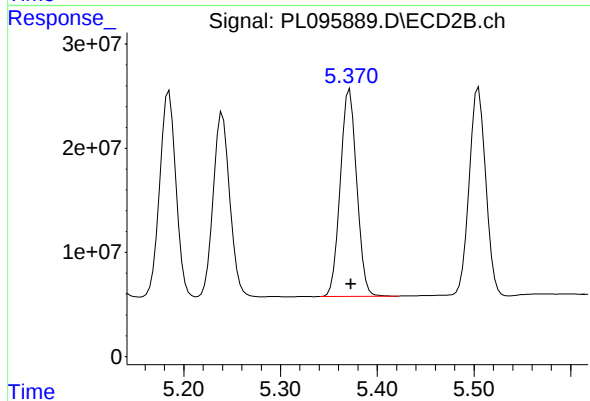
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 233182095
Conc: 44.82 ng/ml



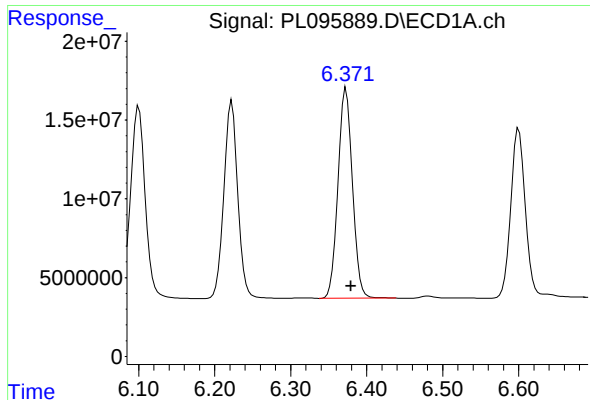
#12 4,4'-DDE

R.T.: 6.223 min
Delta R.T.: -0.006 min
Response: 159980016
Conc: 43.62 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 235180955
Conc: 43.86 ng/ml



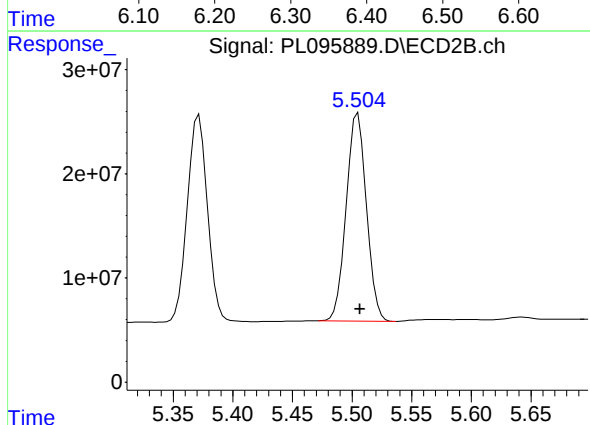
#13 Dieldrin

R.T.: 6.373 min
Delta R.T.: -0.007 min
Response: 175019229
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

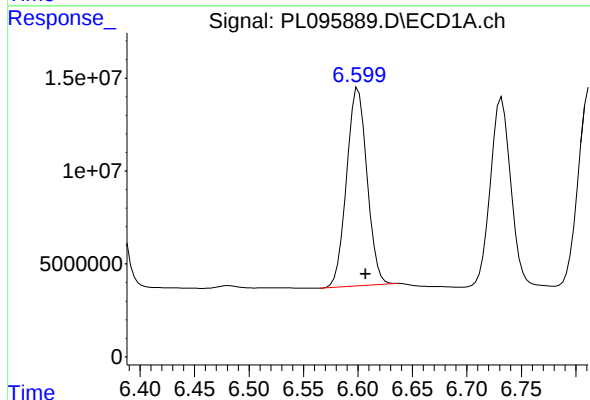
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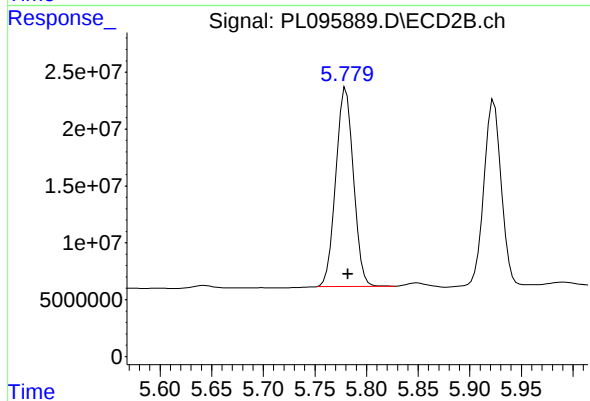
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 235778264
Conc: 44.49 ng/ml



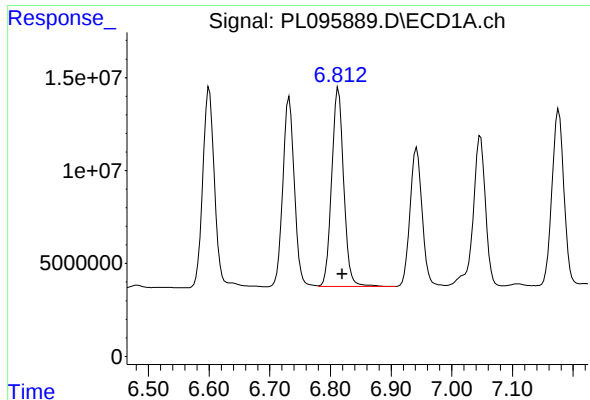
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 139311698
Conc: 43.17 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 207894180
Conc: 42.64 ng/ml



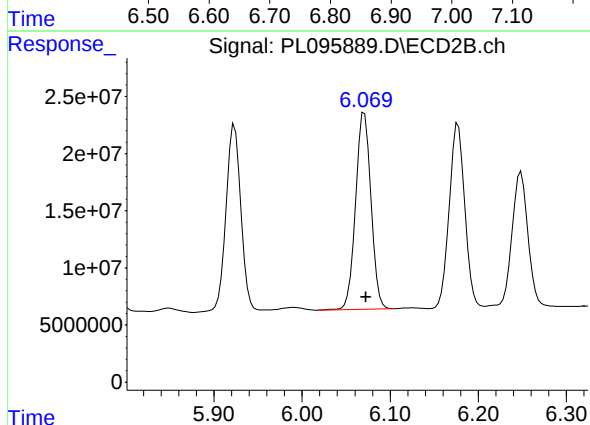
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: -0.007 min
Response: 146493147
Conc: 42.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

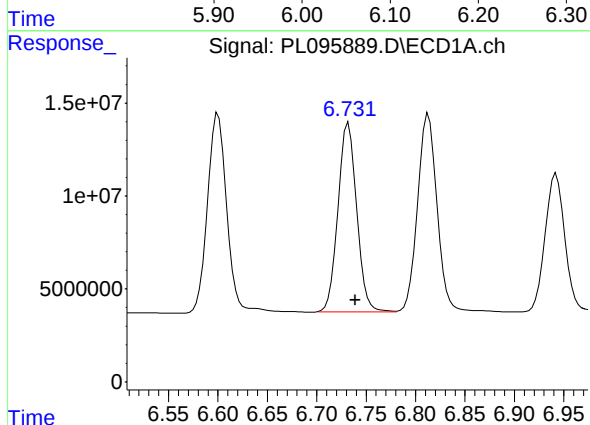
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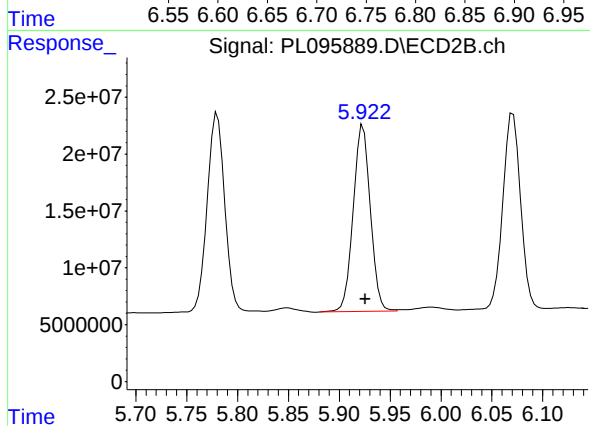
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 208441927
Conc: 43.87 ng/ml



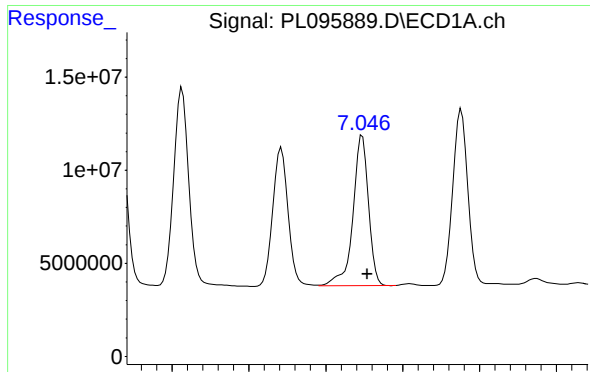
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 133668174
Conc: 45.61 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 192218797
Conc: 43.84 ng/ml



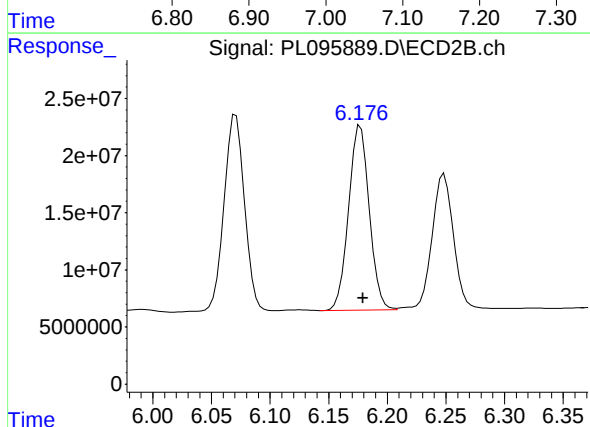
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 113418520
Conc: 41.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

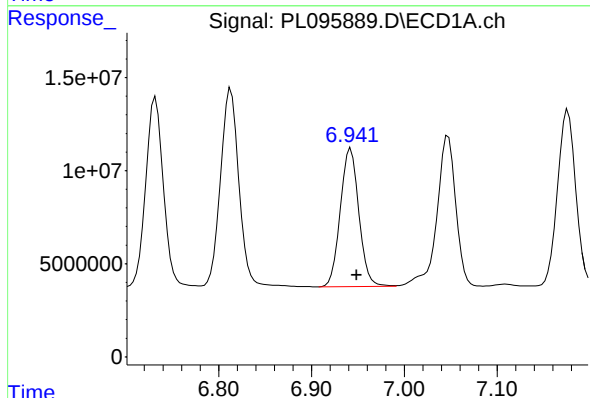
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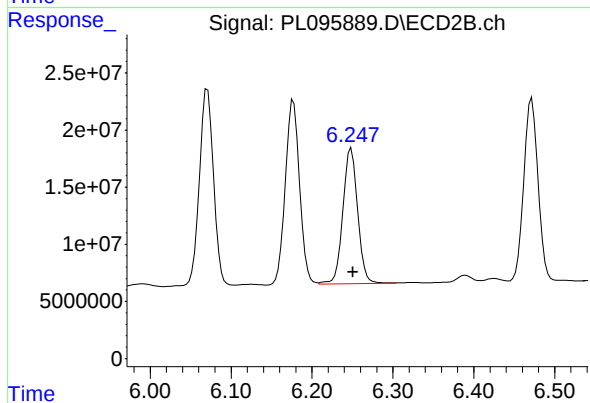
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 198249461
Conc: 41.45 ng/ml



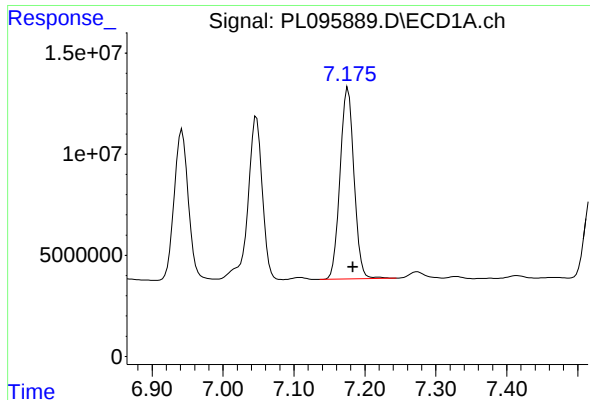
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.006 min
Response: 103325075
Conc: 42.74 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 151641395
Conc: 43.90 ng/ml



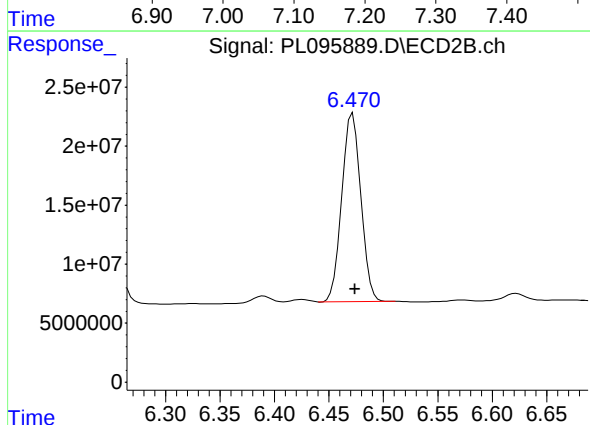
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: -0.007 min
Response: 129193195
Conc: 43.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

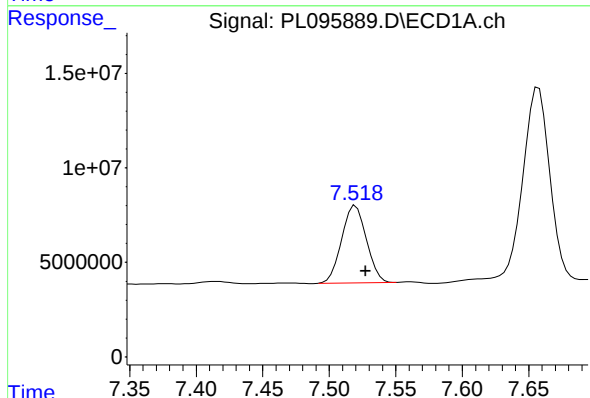
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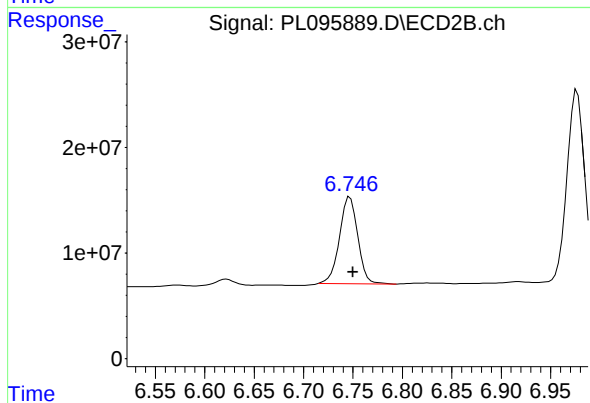
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 193984016
Conc: 43.16 ng/ml



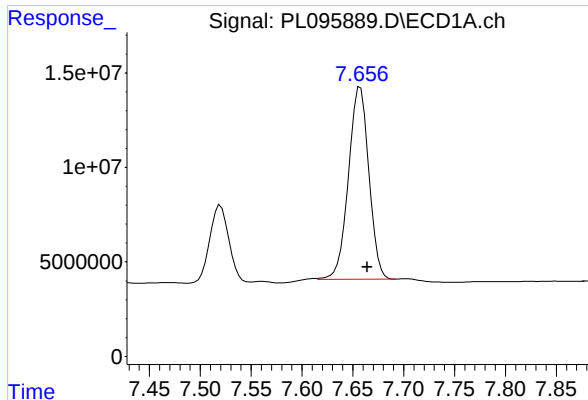
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 53117302
Conc: 41.65 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 105864909
Conc: 40.47 ng/ml



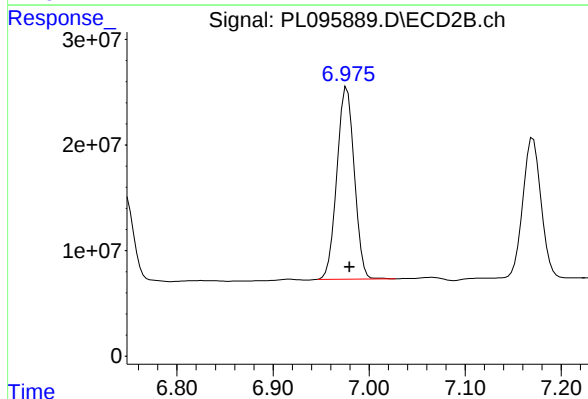
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 141752612
Conc: 44.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

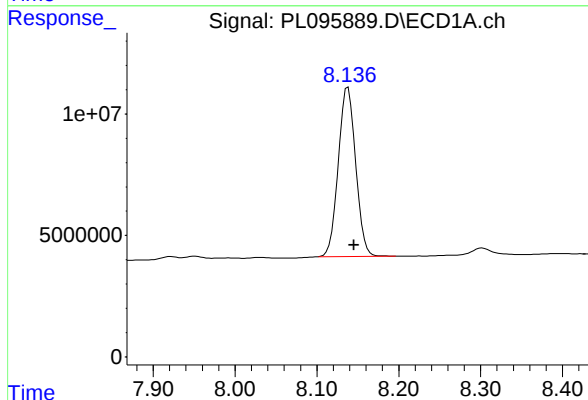
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



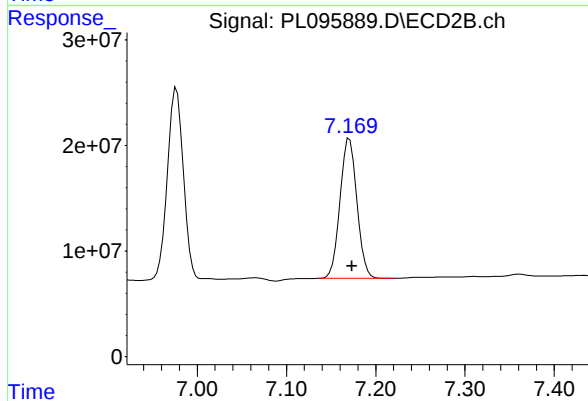
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 226102119
Conc: 43.70 ng/ml



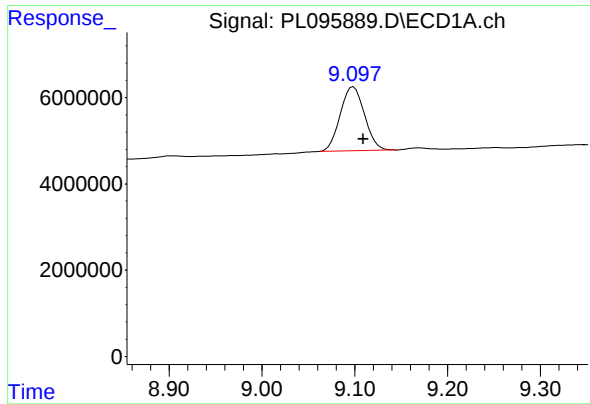
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.008 min
Response: 103457244
Conc: 44.71 ng/ml



#22 Mirex

R.T.: 7.171 min
Delta R.T.: -0.003 min
Response: 174360329
Conc: 42.94 ng/ml



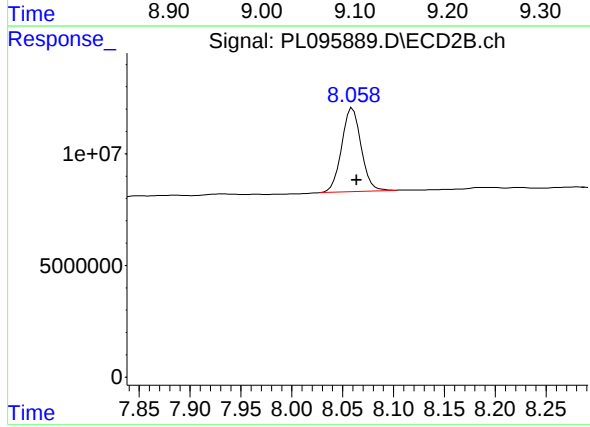
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.010 min
Response: 27002635
Conc: 11.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 49888927
Conc: 11.40 ng/ml