

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095101.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 11:32
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167473BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/09/2025
 Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:40:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.535	2.768	54049856	69838004	19.094	19.566
28) SA Decachlor...	9.052	7.900	47743269	83353768	22.654	20.635
Target Compounds						
2) A alpha-BHC	3.991	3.270	208.0E6	308.8E6	50.103	57.281
3) MA gamma-BHC...	4.324	3.599	198.8E6	285.6E6	49.809	55.575
4) MA Heptachlor	4.912	3.937	190.2E6	283.6E6	49.008	53.835
5) MB Aldrin	5.253	4.216	182.6E6	258.9E6	49.450	53.097
6) B beta-BHC	4.523	3.900	91286645	125.6E6	49.472	56.564
7) B delta-BHC	4.768	4.128	211.4E6	270.7E6	54.287m	54.110
8) B Heptachlo...	5.680	4.718	170.8E6	243.9E6	51.053	53.280
9) A Endosulfan I	6.066	5.088	162.2E6	199.7E6	52.841	45.513
10) B gamma-Chl...	5.936	4.968	175.4E6	254.7E6	52.047	52.748
11) B alpha-Chl...	6.015	5.032	172.7E6	250.0E6	52.396	52.371
12) B 4,4'-DDE	6.189	5.219	170.3E6	256.9E6	57.899	55.254m
13) MA Dieldrin	6.341	5.351	172.5E6	260.4E6	53.933	53.678m
14) MA Endrin	6.570	5.627	148.2E6	246.5E6	53.469m	56.499
15) B Endosulfa...	6.791	5.922	147.8E6	232.9E6	54.457	53.813
16) A 4,4'-DDD	6.707	5.775	132.2E6	208.8E6	61.050	58.074
17) MA 4,4'-DDT	7.021	6.025	141.0E6	232.0E6	59.261	57.538
18) B Endrin al...	6.922	6.102	116.1E6	184.0E6	54.976	54.685
19) B Endosulfa...	7.156	6.325	131.7E6	227.9E6	54.136	55.938
20) A Methoxychlor	7.498	6.600	74215243	125.5E6	61.997	59.160
21) B Endrin ke...	7.641	6.828	143.0E6	283.5E6	54.110	59.401m
22) Mirex	8.114	7.007	107.5E6	196.6E6	52.023	51.804m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095101.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 11:32
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167473BS

Manual Integrations

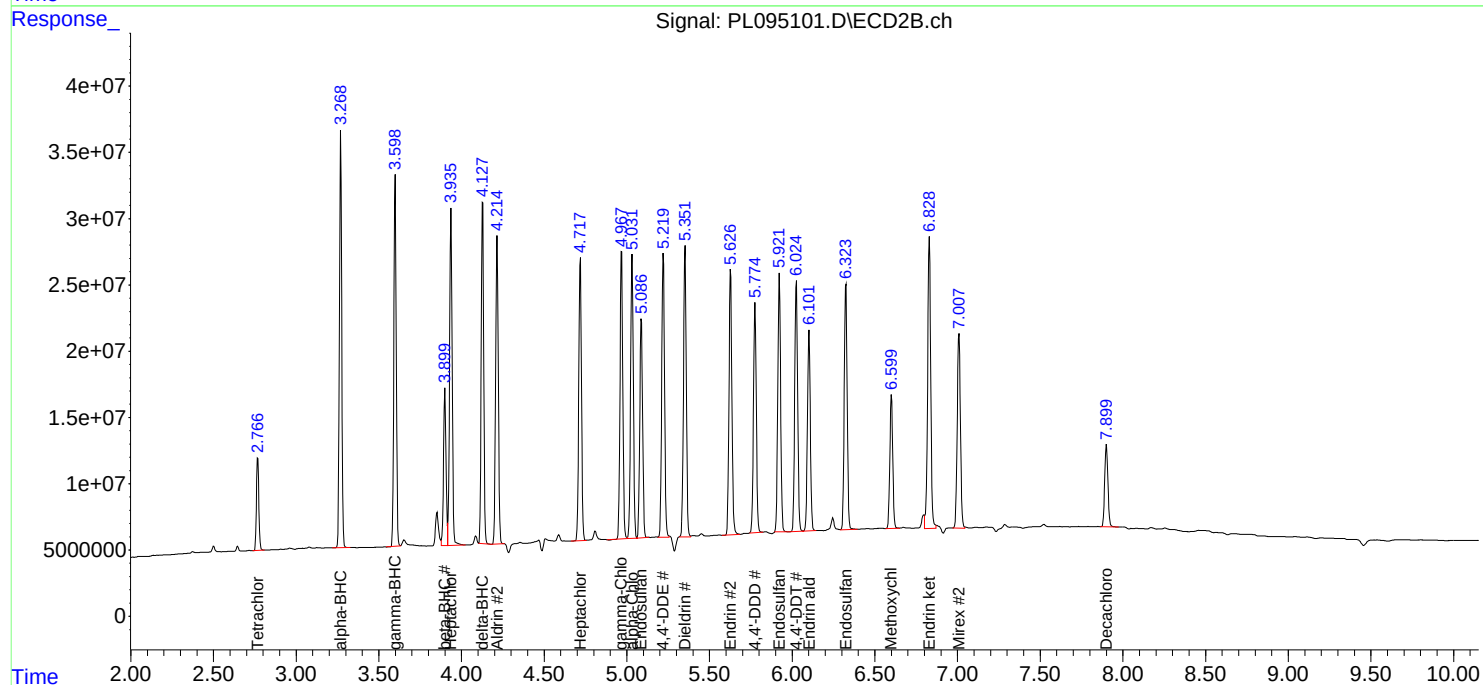
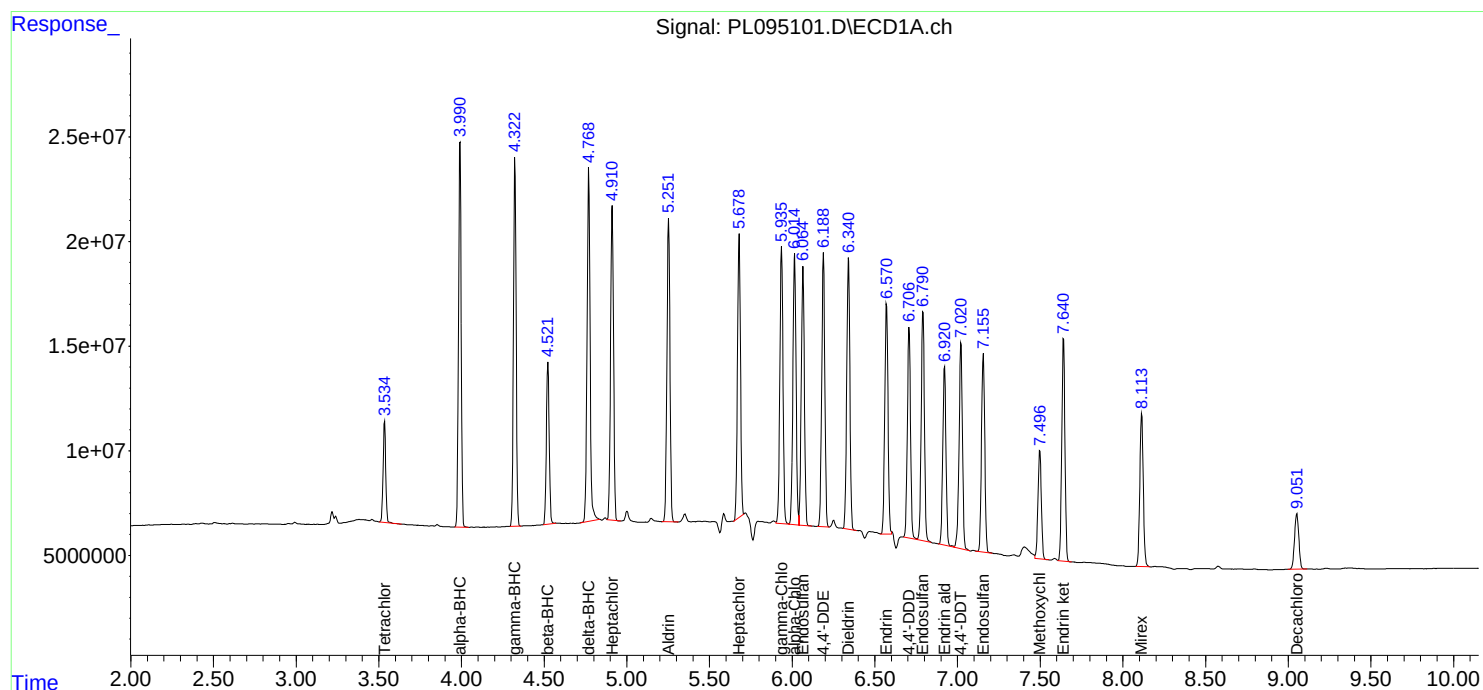
APPROVED

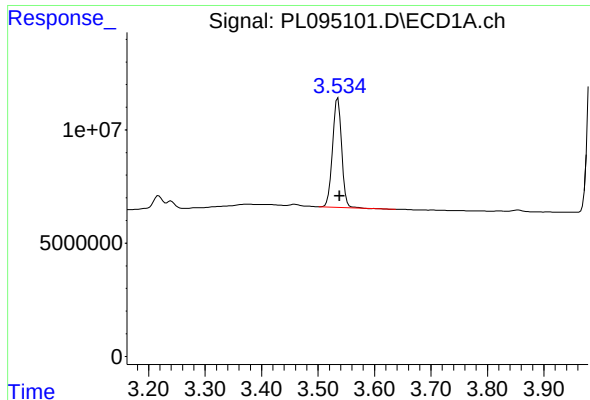
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:40:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
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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





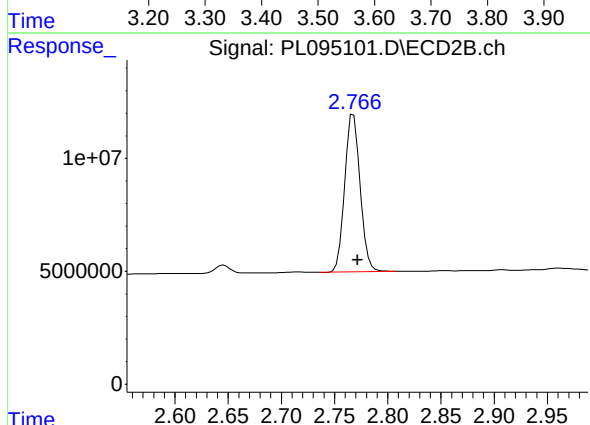
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54049856
Conc: 19.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

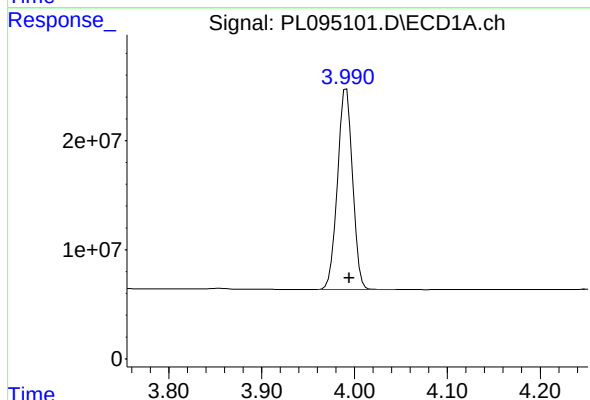
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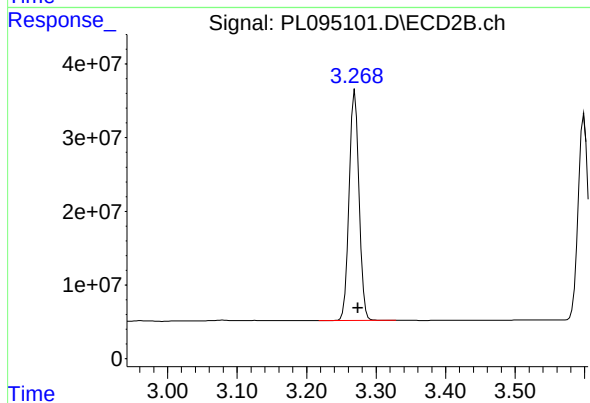
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 69838004
Conc: 19.57 ng/ml



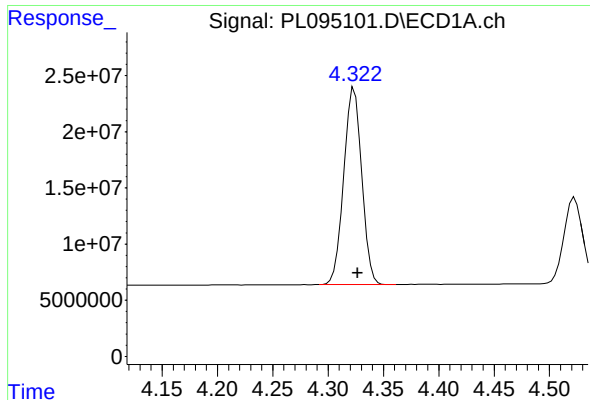
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 208042923
Conc: 50.10 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 308824429
Conc: 57.28 ng/ml



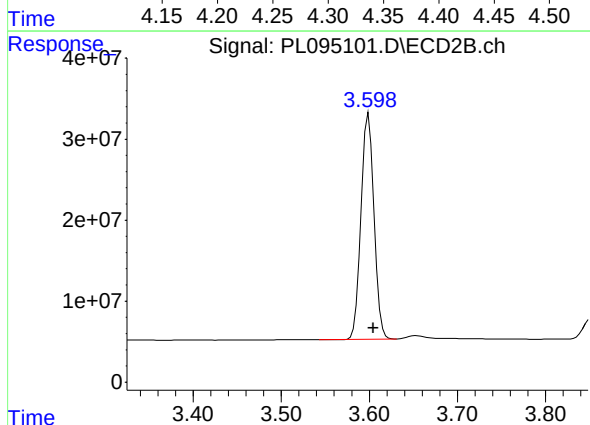
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 198751540
Conc: 49.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

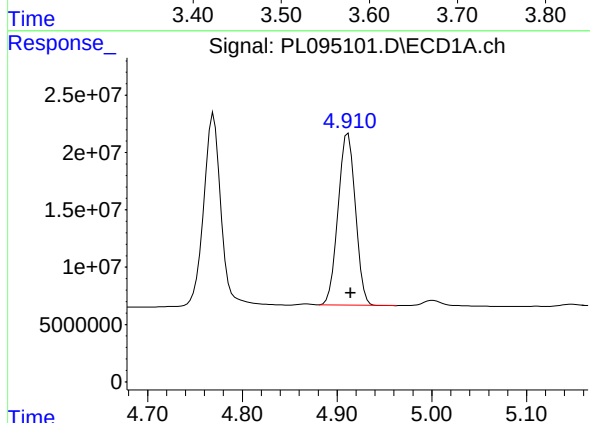
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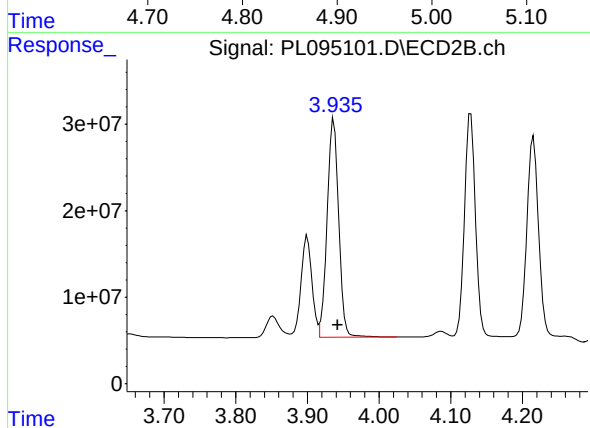
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 285623925
Conc: 55.57 ng/ml



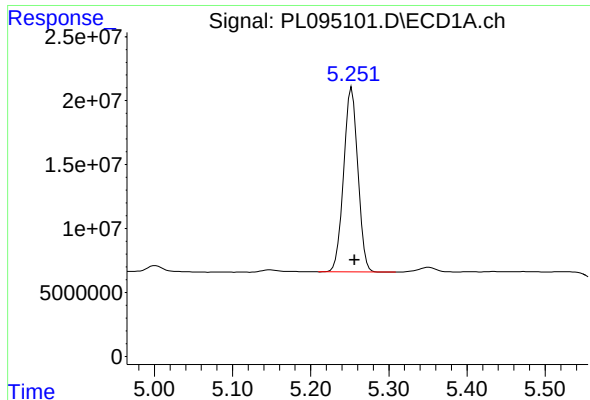
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 190228925
Conc: 49.01 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 283636746
Conc: 53.83 ng/ml



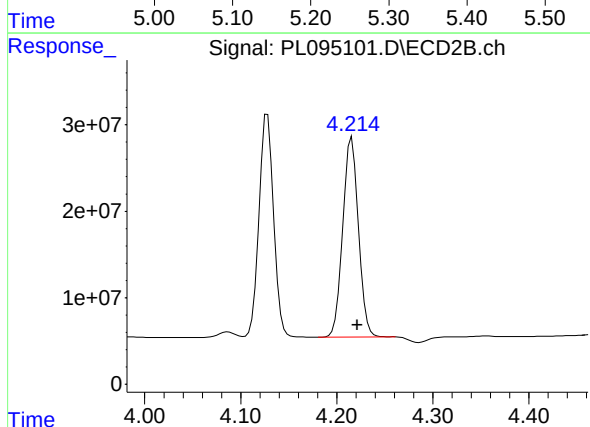
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.004 min
Response: 182579417
Conc: 49.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

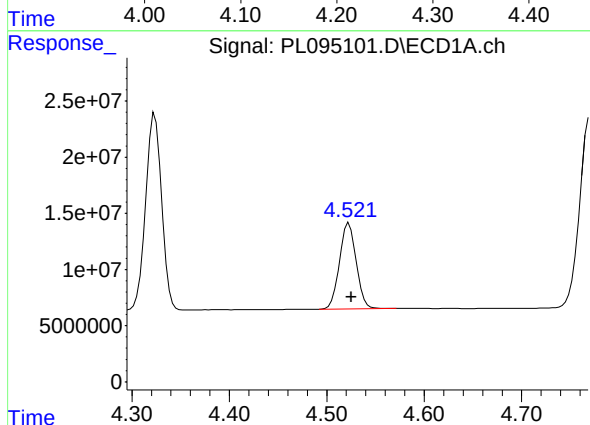
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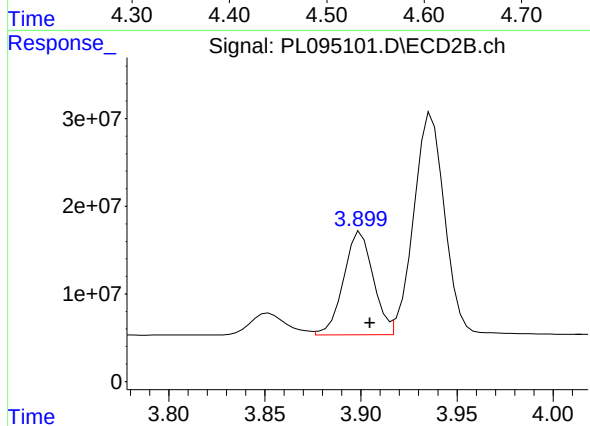
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 258918749
Conc: 53.10 ng/ml



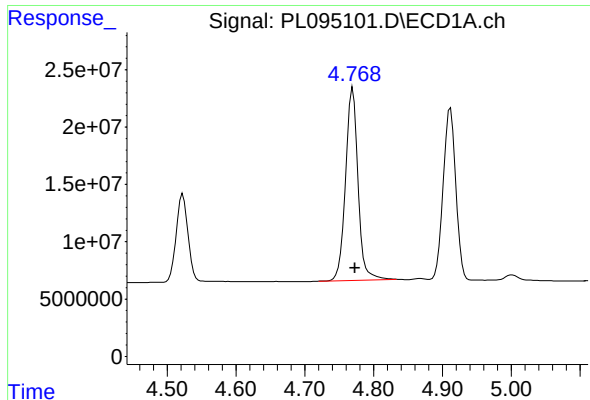
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 91286645
Conc: 49.47 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 125645618
Conc: 56.56 ng/ml



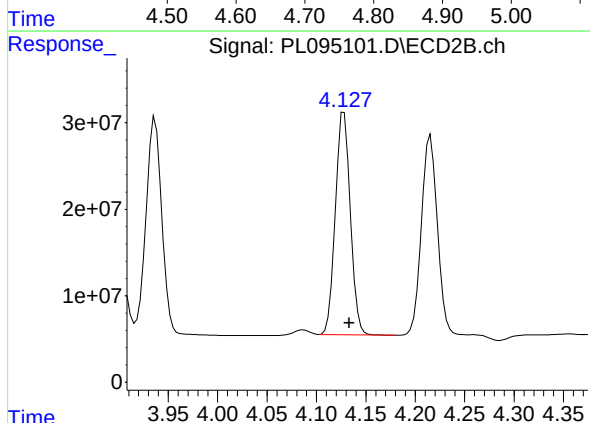
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: -0.004 min
Response: 211411423
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

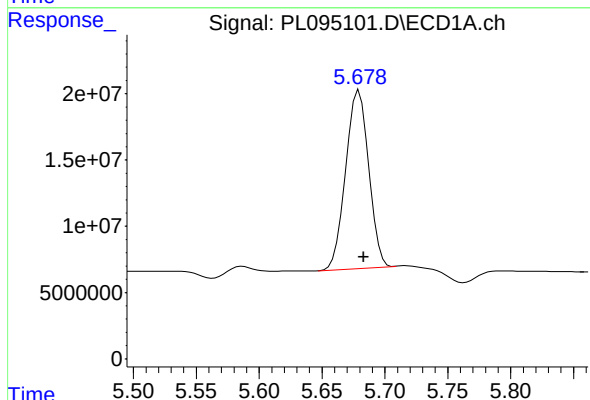
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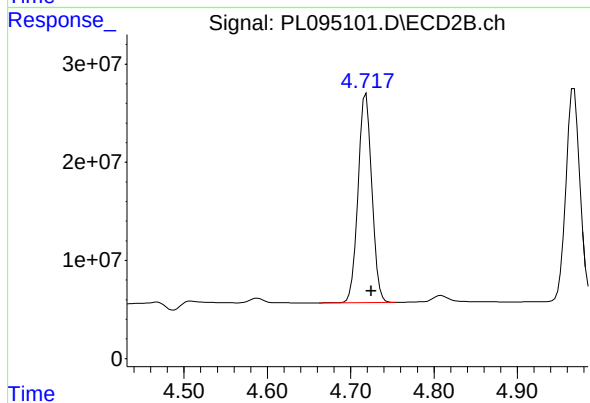
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 270654878
Conc: 54.11 ng/ml



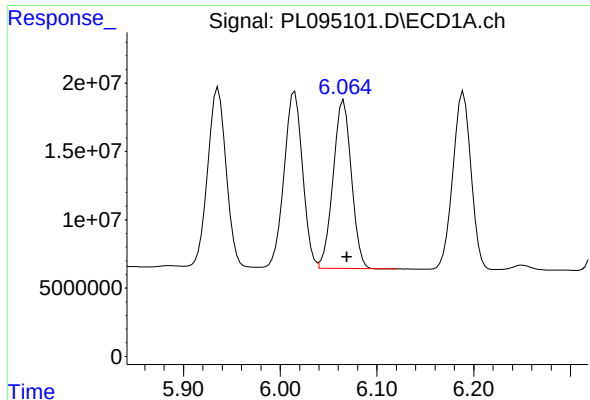
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.004 min
Response: 170782972
Conc: 51.05 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 243945194
Conc: 53.28 ng/ml



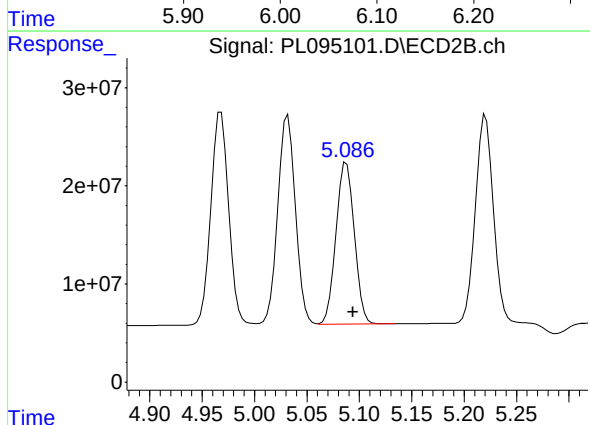
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 162231993
Conc: 52.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

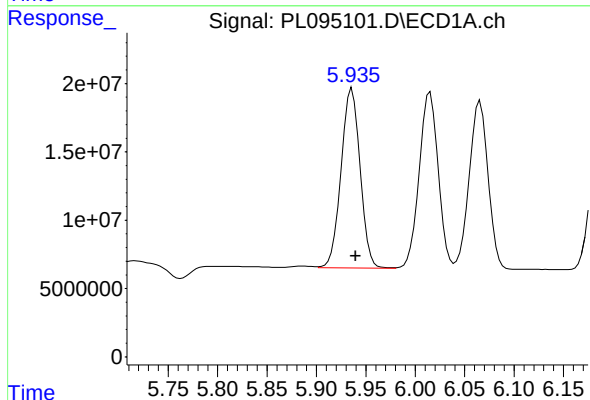
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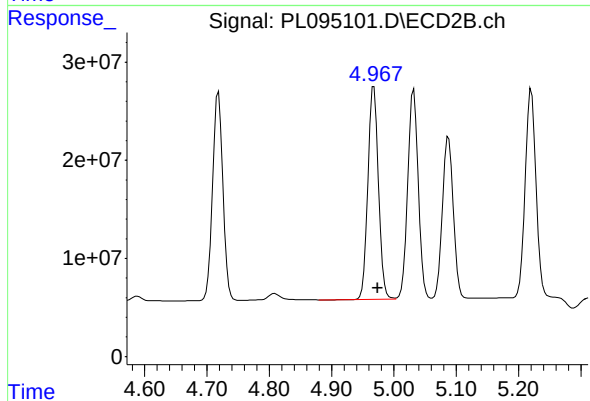
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 199744440
Conc: 45.51 ng/ml



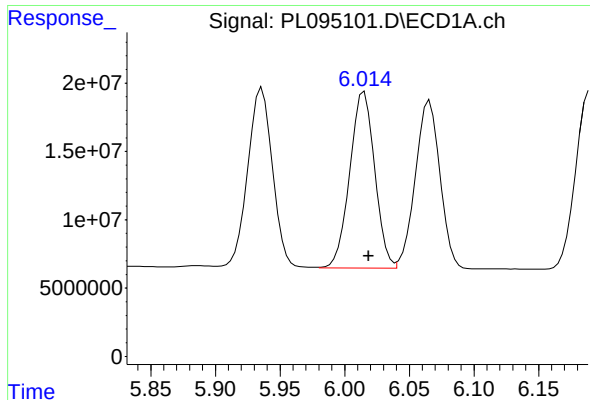
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 175365815
Conc: 52.05 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 254690050
Conc: 52.75 ng/ml



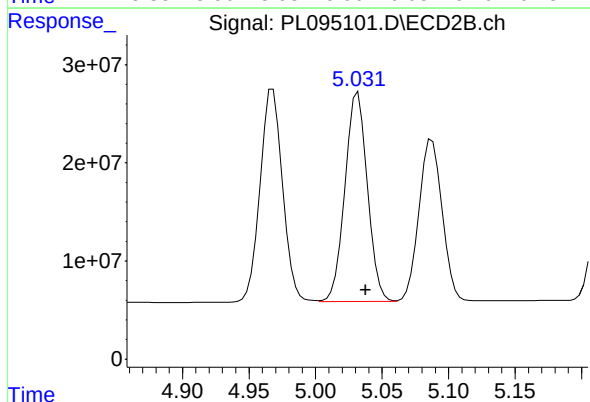
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 172741231
Conc: 52.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

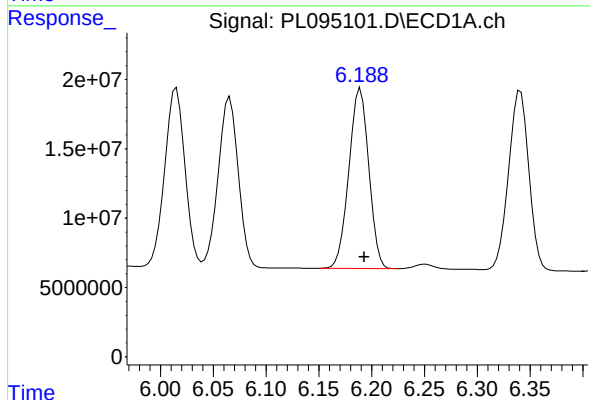
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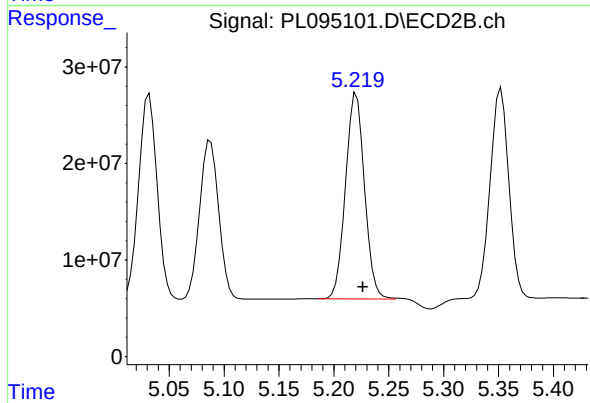
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 249956425
Conc: 52.37 ng/ml



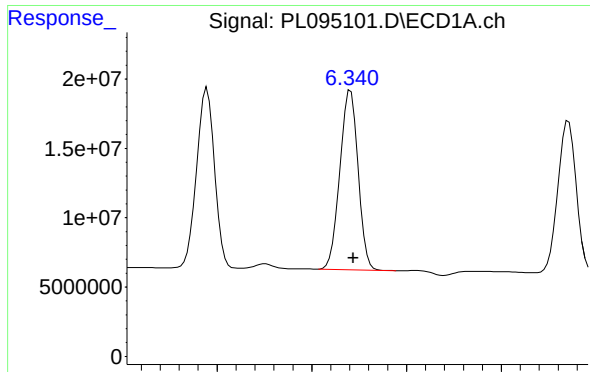
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 170341772
Conc: 57.90 ng/ml



#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.007 min
Response: 256851502
Conc: 55.25 ng/ml m



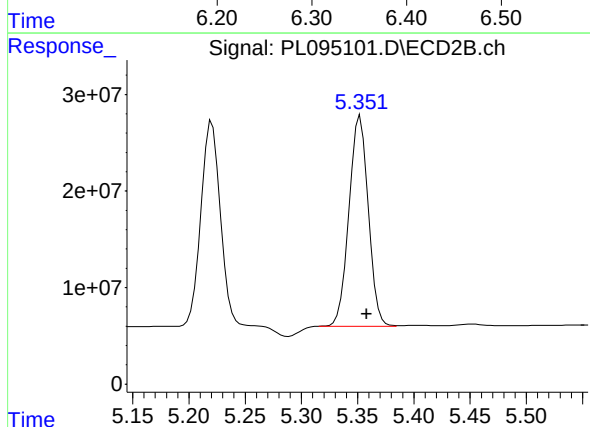
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 172485844
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

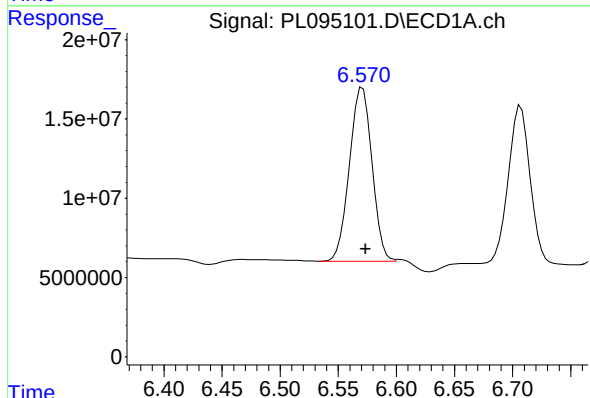
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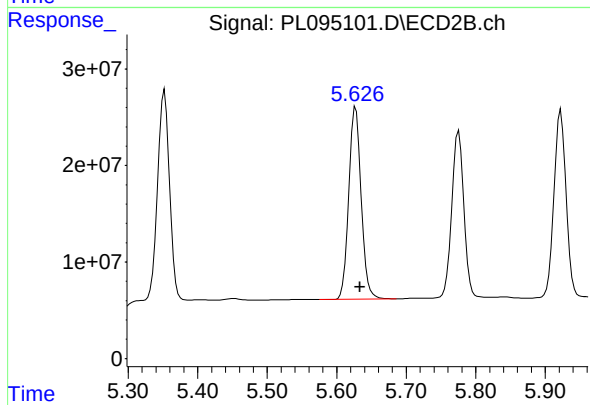
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 260437193
Conc: 53.68 ng/ml



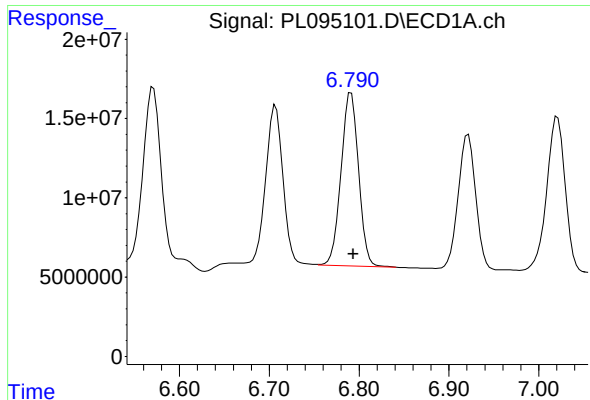
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 148218635
Conc: 53.47 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 246541426
Conc: 56.50 ng/ml



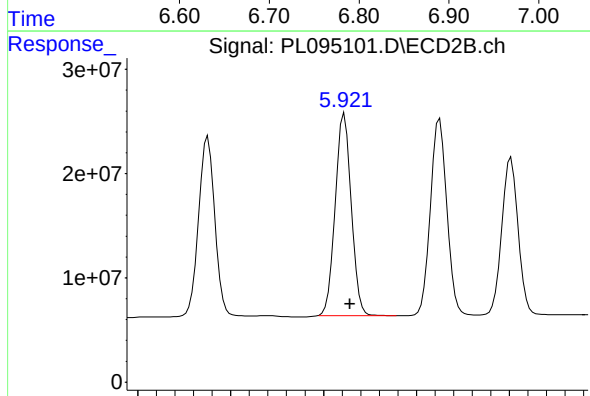
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 147837009
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

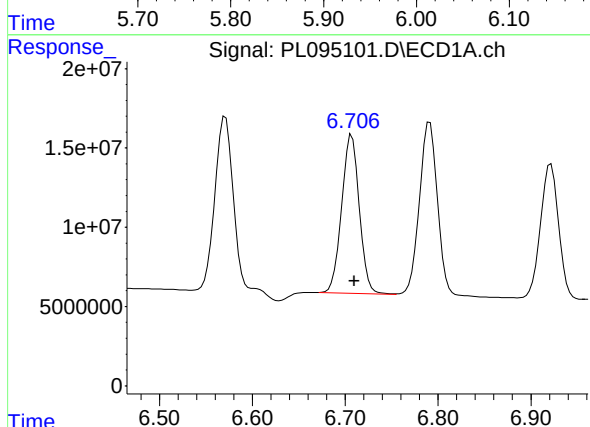
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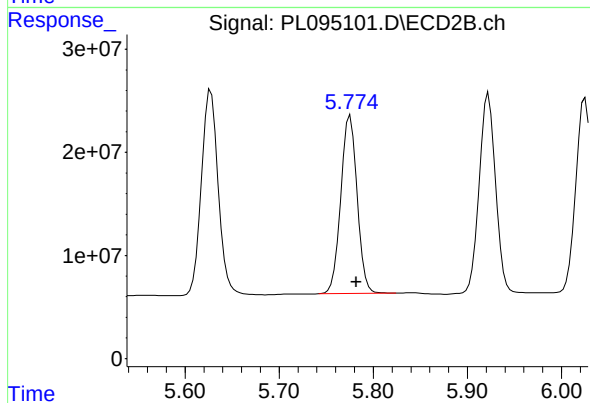
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.006 min
Response: 232916690
Conc: 53.81 ng/ml



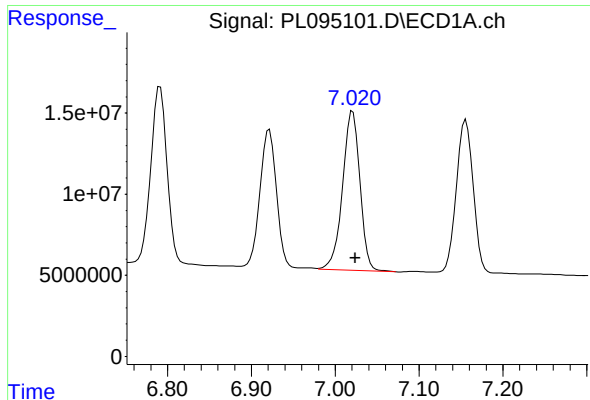
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 132239398
Conc: 61.05 ng/ml



#16 4,4'-DDD

R.T.: 5.775 min
Delta R.T.: -0.006 min
Response: 208826203
Conc: 58.07 ng/ml



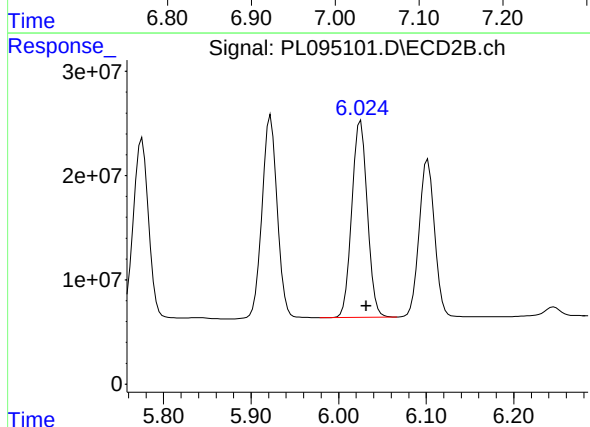
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 140953676
Conc: 59.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

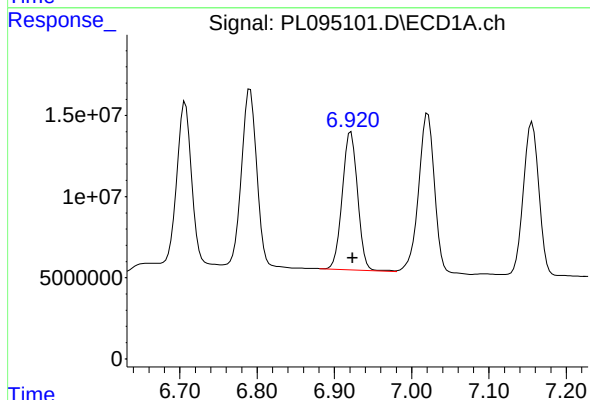
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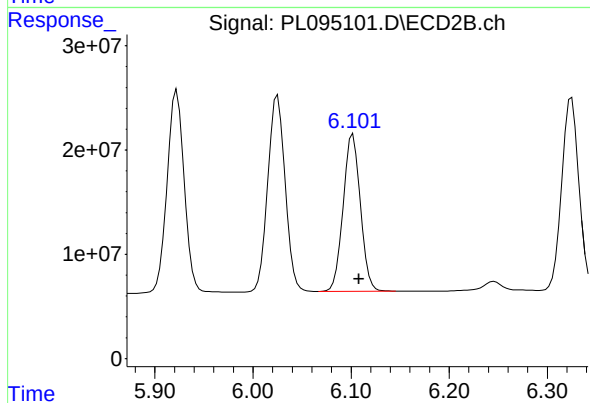
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 231998362
Conc: 57.54 ng/ml



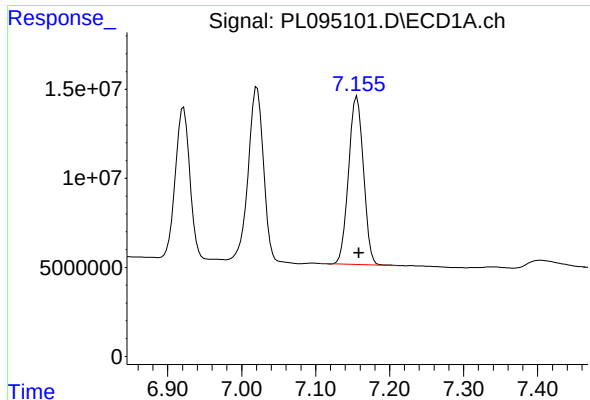
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 116054298
Conc: 54.98 ng/ml



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 184034781
Conc: 54.68 ng/ml



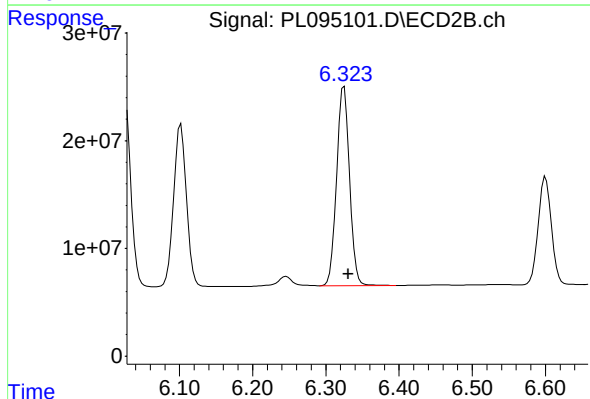
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 131659430
Conc: 54.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

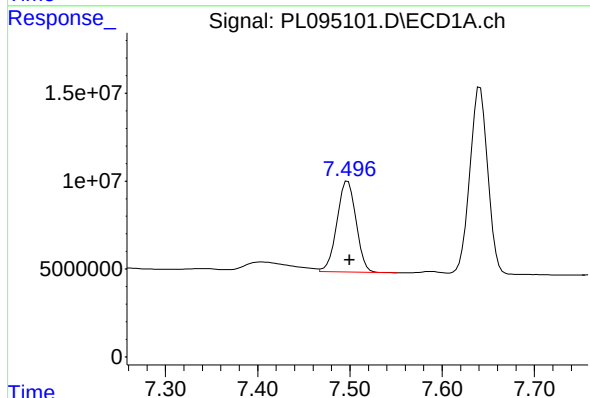
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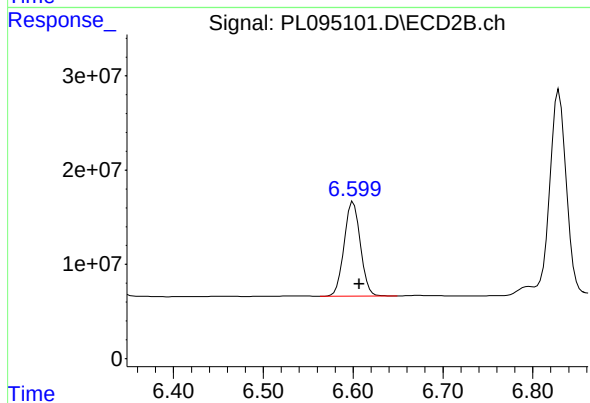
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 227859040
Conc: 55.94 ng/ml



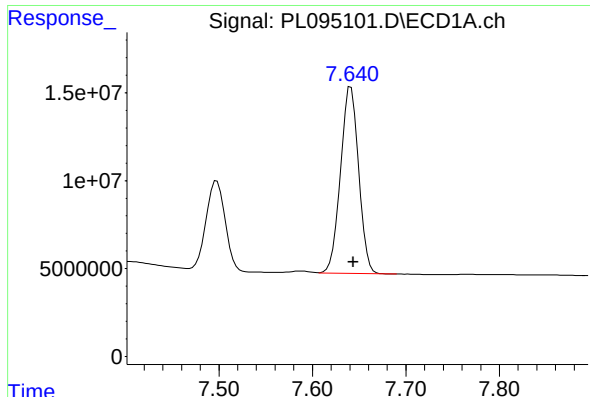
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 74215243
Conc: 62.00 ng/ml



#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 125482820
Conc: 59.16 ng/ml



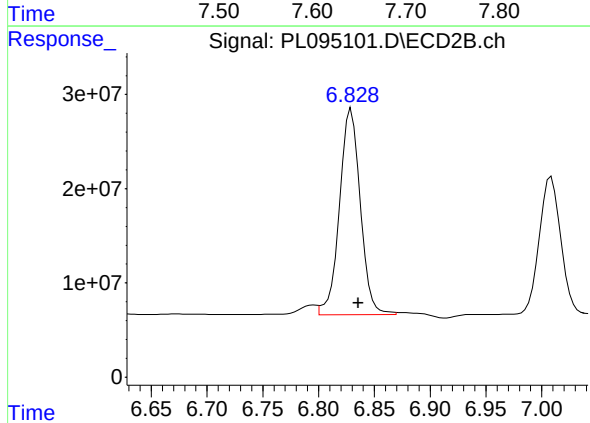
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 143027500
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

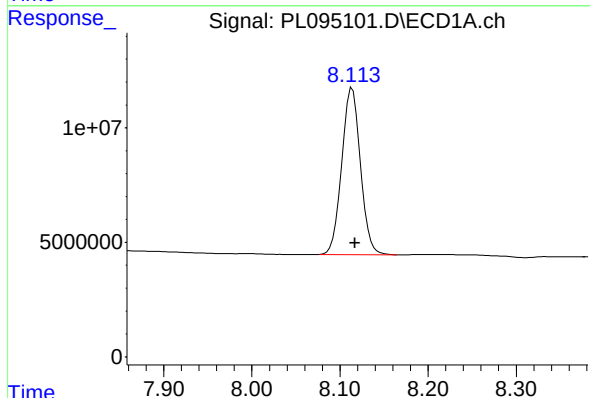
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Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



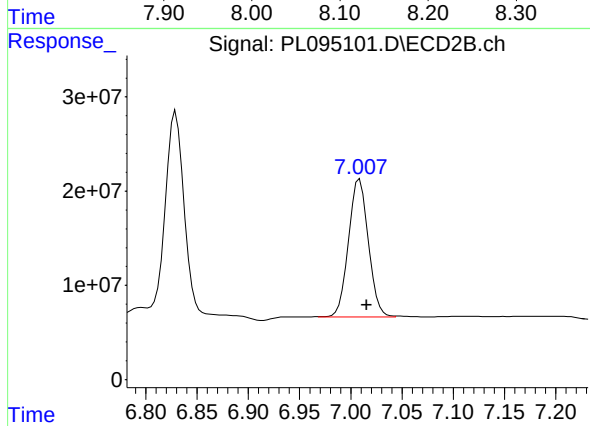
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 283496024
Conc: 59.40 ng/ml m



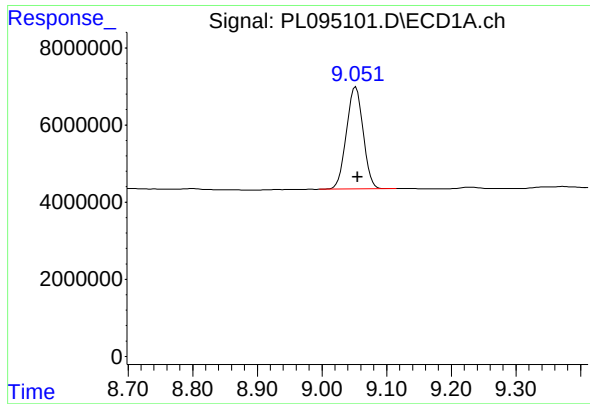
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 107495236
Conc: 52.02 ng/ml



#22 Mirex

R.T.: 7.007 min
Delta R.T.: -0.008 min
Response: 196611878
Conc: 51.80 ng/ml m



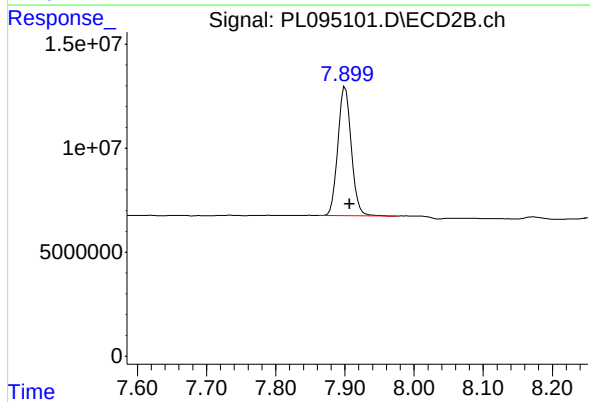
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 47743269
Conc: 22.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
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#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 83353768
Conc: 20.64 ng/ml