

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041025\
 Data File : PL095169.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 16:24
 Operator : AR\AJ
 Sample : PB167543BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167543BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 20:35:41 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...	3.539	2.766	60754215	87116356	21.463	24.407
28) SA Decachlor...	9.053	7.899	44467358	96097887	21.100	23.790
Target Compounds						
2) A alpha-BHC	3.996	3.269	184.4E6	303.5E6	44.403	56.299 #
3) MA gamma-BHC...	4.328	3.598	171.5E6	282.5E6	42.992	54.974 #
4) MA Heptachlor	4.916	3.935	162.5E6	277.7E6	41.855	52.705 #
5) MB Aldrin	5.258	4.215	152.9E6	248.2E6	41.425	50.905
6) B beta-BHC	4.528	3.899	76468724	121.4E6	41.442	54.644 #
7) B delta-BHC	4.774	4.127	173.5E6	260.8E6	44.545	52.138
8) B Heptachlo...	5.684	4.718	138.7E6	234.1E6	41.463	51.125
9) A Endosulfan I	6.069	5.087	132.4E6	225.9E6	43.110	51.477
10) B gamma-Chl...	5.940	4.967	142.5E6	248.5E6	42.286	51.469
11) B alpha-Chl...	6.019	5.031	140.5E6	245.5E6	42.626	51.444
12) B 4,4'-DDE	6.193	5.218	137.6E6	243.2E6	46.759	52.309m
13) MA Dieldrin	6.345	5.350	141.5E6	245.6E6	44.241	50.628m
14) MA Endrin	6.572	5.625	120.8E6	230.1E6	43.565m	52.725m
15) B Endosulfa...	6.794	5.921	122.0E6	221.5E6	44.948	51.185m
16) A 4,4'-DDD	6.710	5.775	106.1E6	195.2E6	48.992	54.288
17) MA 4,4'-DDT	7.024	6.025	112.2E6	218.2E6	47.157	54.103
18) B Endrin al...	6.924	6.102	93239120	171.4E6	44.168	50.925
19) B Endosulfa...	7.159	6.324	106.8E6	213.7E6	43.895	52.453
20) A Methoxychlor	7.501	6.599	57302132	117.8E6	47.869	55.549
21) B Endrin ke...	7.644	6.828	115.6E6	259.7E6	43.746	54.424m
22) Mirex	8.116	7.006	85392692	192.4E6	41.327	50.690m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041025\
Data File : PL095169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Apr 2025 16:24
Operator : AR\AJ
Sample : PB167543BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167543BS

Manual Integrations

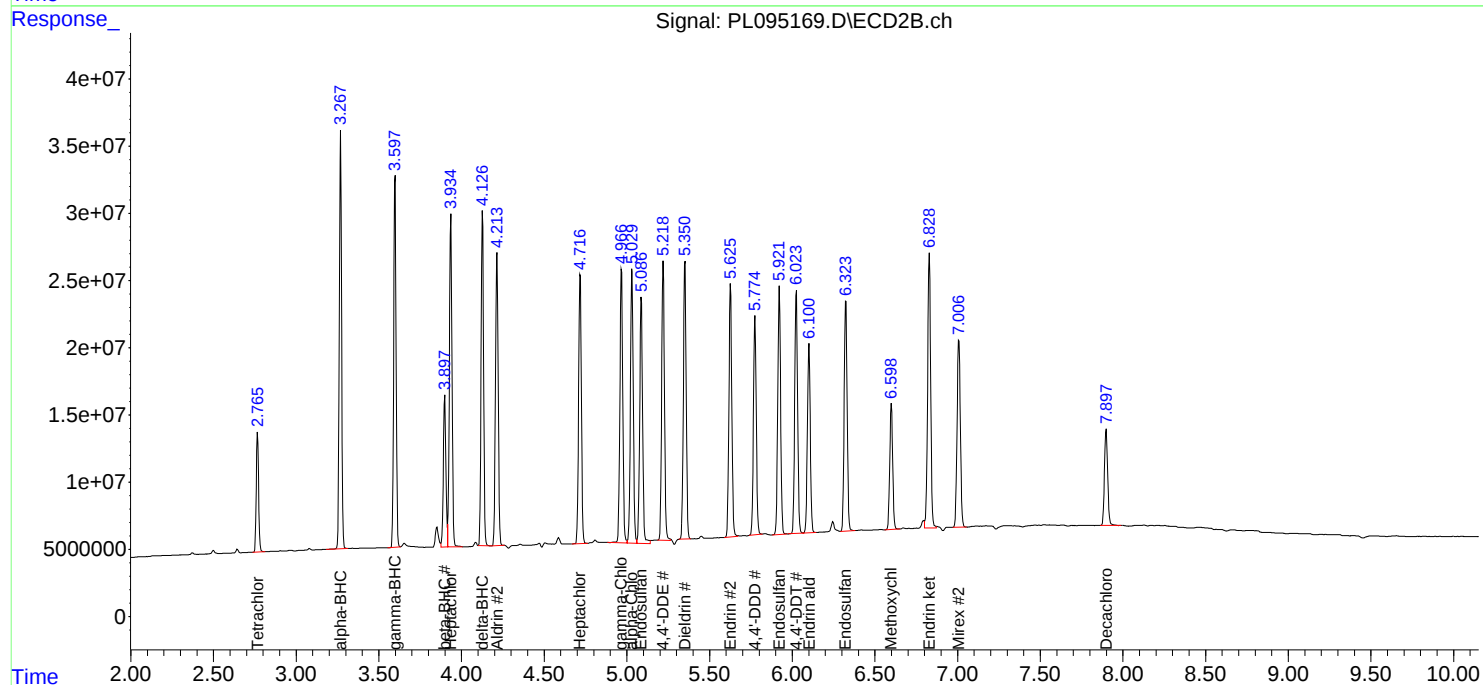
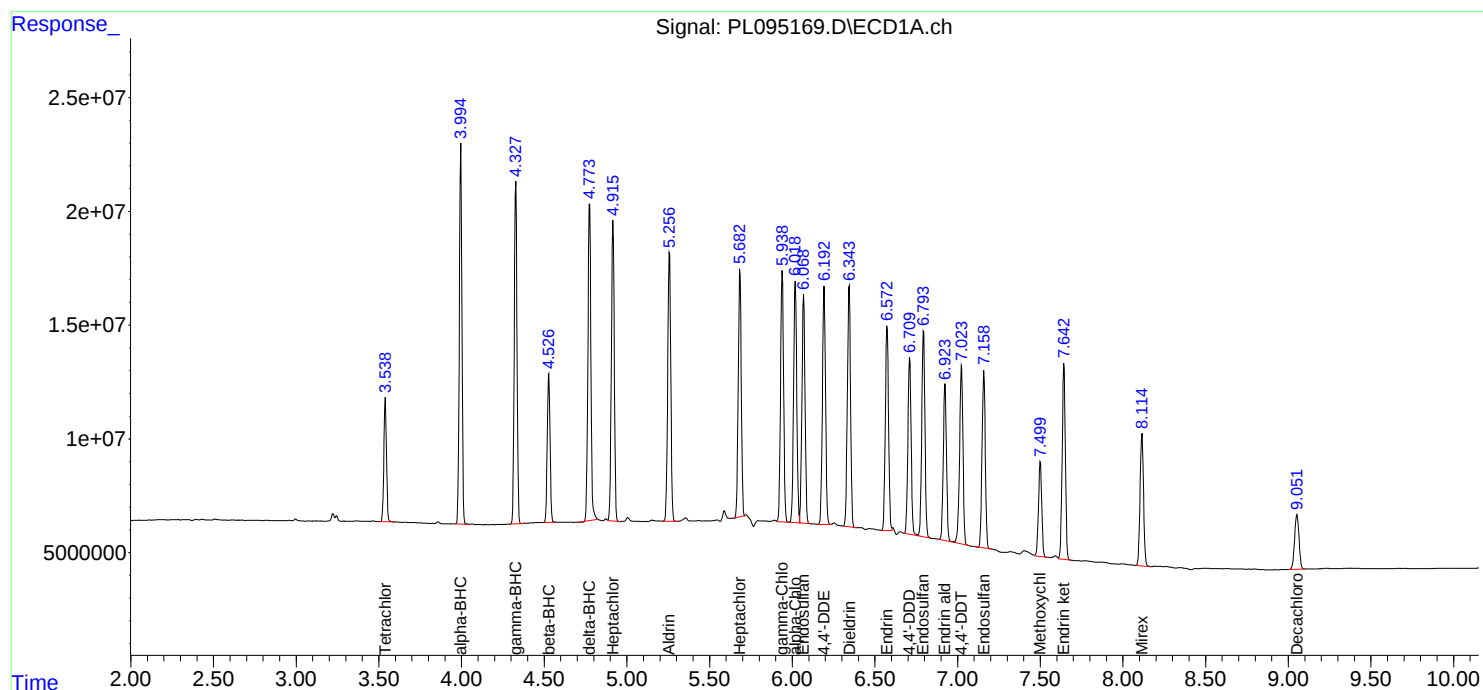
APPROVED

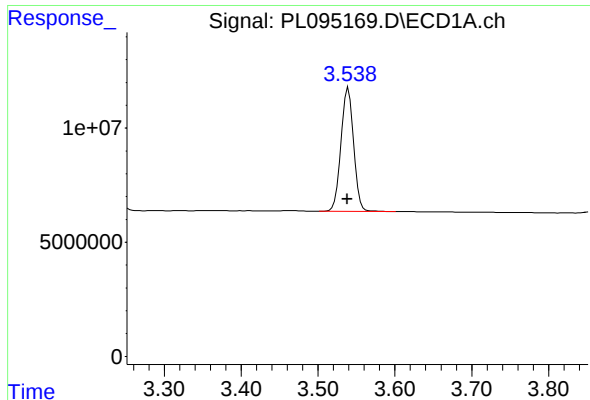
Reviewed By :Abdul Mirza 04/11/2025

Supervised By :mohammad ahmed 04/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 20:35:41 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





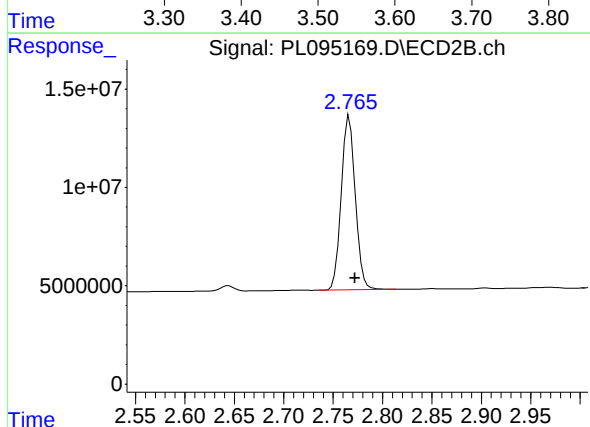
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 60754215
Conc: 21.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

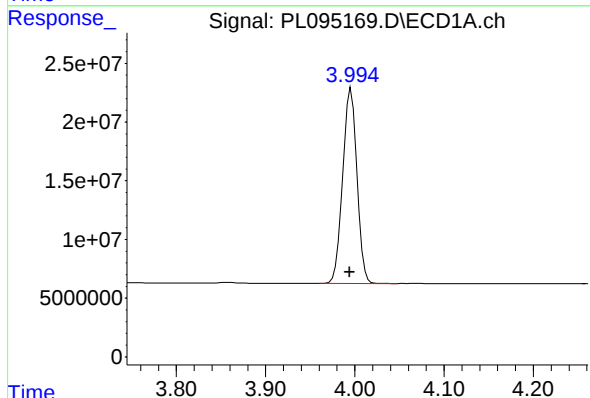
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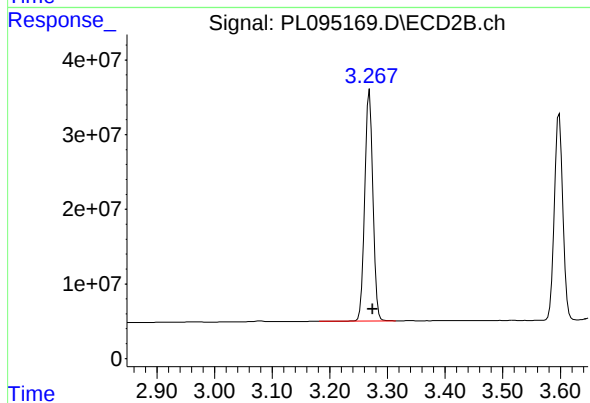
#1 Tetrachloro-m-xylene

R.T.: 2.766 min
Delta R.T.: -0.005 min
Response: 87116356
Conc: 24.41 ng/ml



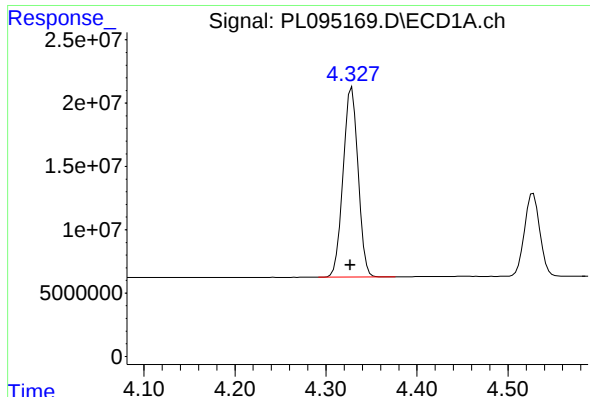
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.002 min
Response: 184376705
Conc: 44.40 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.006 min
Response: 303526421
Conc: 56.30 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.002 min
Response: 171549969
Conc: 42.99 ng/ml

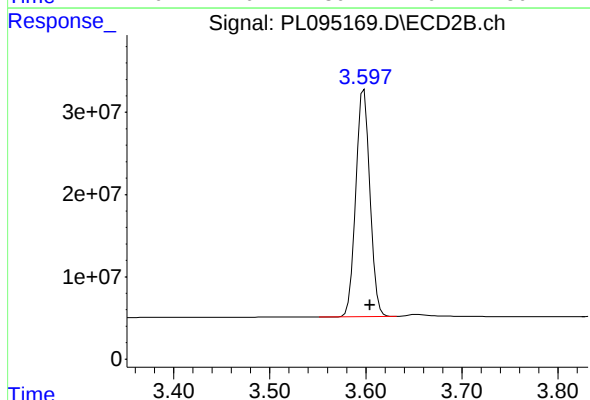
Instrument :

ECD_L

ClientSampleId :
PB167543BS

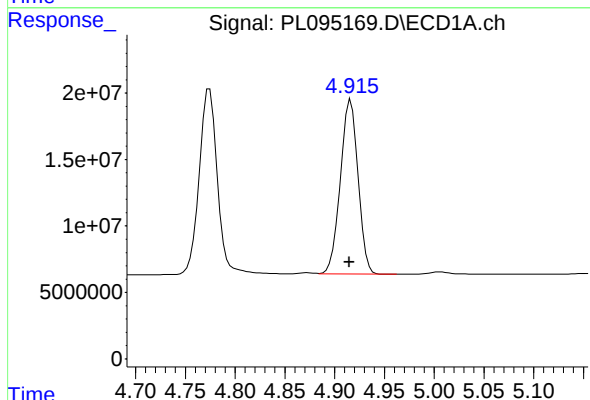
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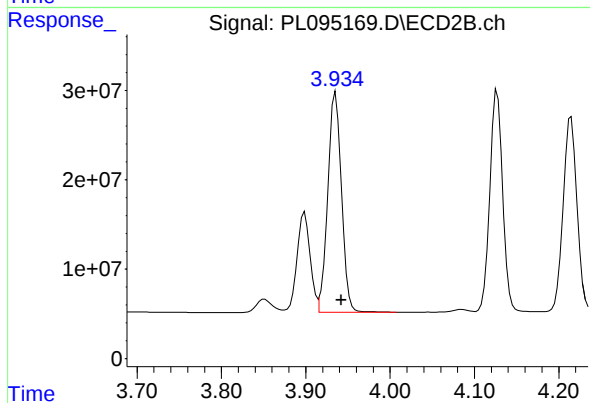
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: -0.006 min
Response: 282538340
Conc: 54.97 ng/ml



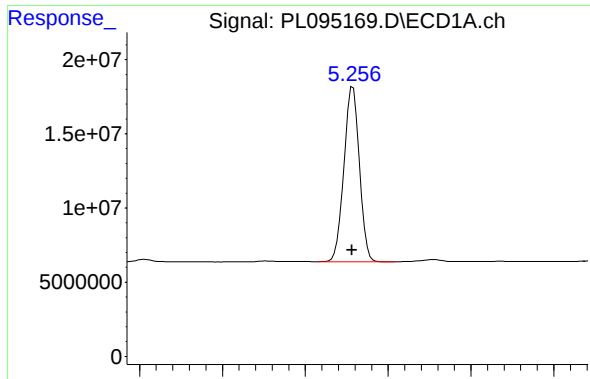
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 162466730
Conc: 41.86 ng/ml



#4 Heptachlor

R.T.: 3.935 min
Delta R.T.: -0.007 min
Response: 277682872
Conc: 52.70 ng/ml



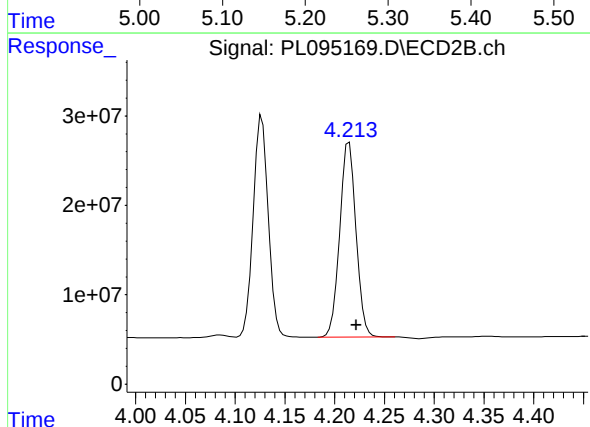
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.001 min
Response: 152949316
Conc: 41.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

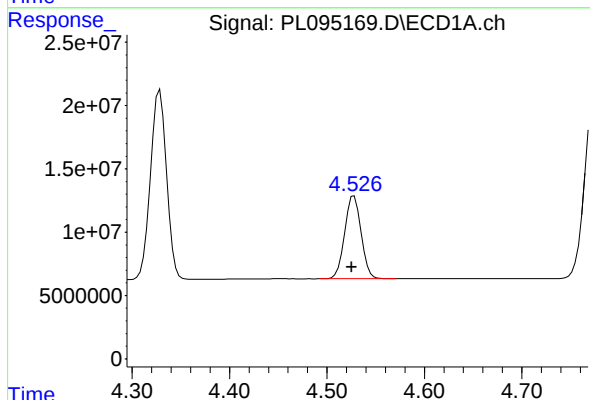
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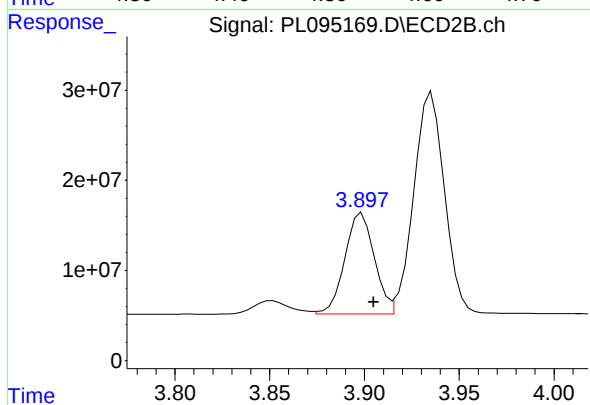
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.007 min
Response: 248229456
Conc: 50.90 ng/ml



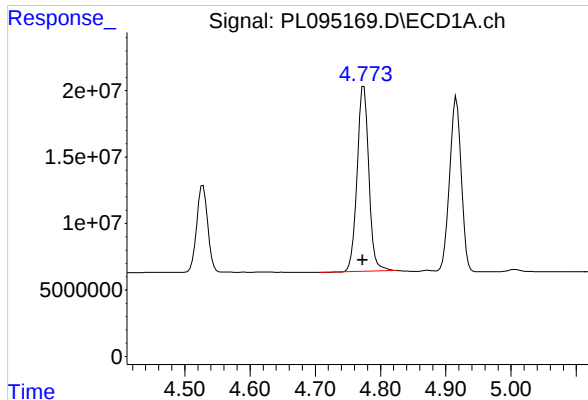
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.002 min
Response: 76468724
Conc: 41.44 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.006 min
Response: 121380022
Conc: 54.64 ng/ml



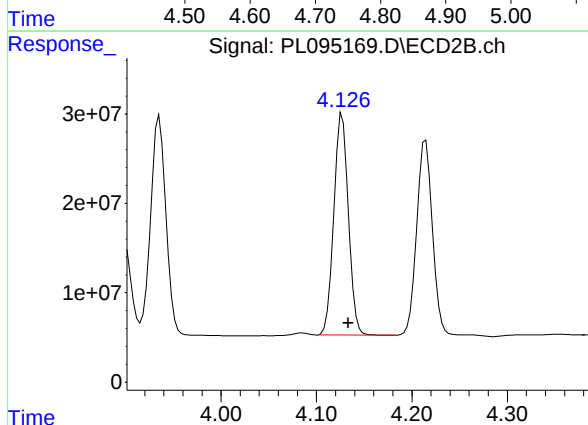
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 173470064
Conc: 44.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

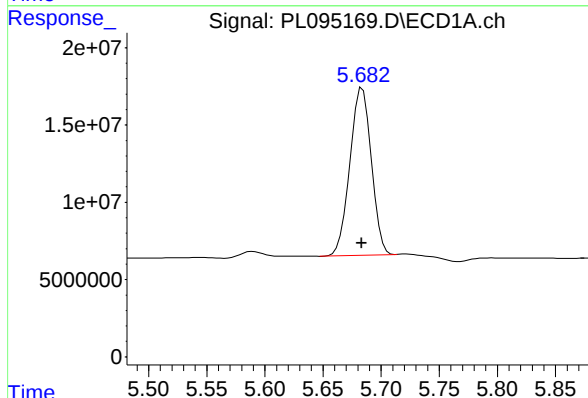
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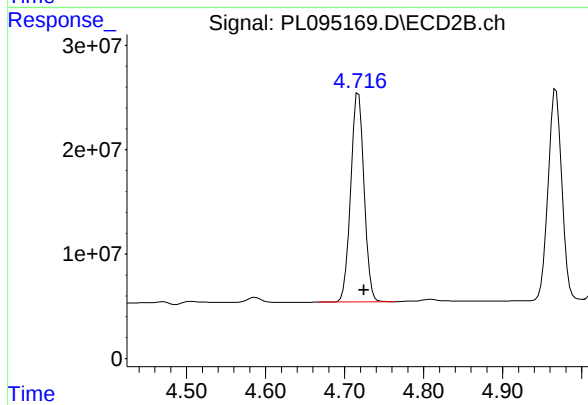
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: -0.006 min
Response: 260793176
Conc: 52.14 ng/ml



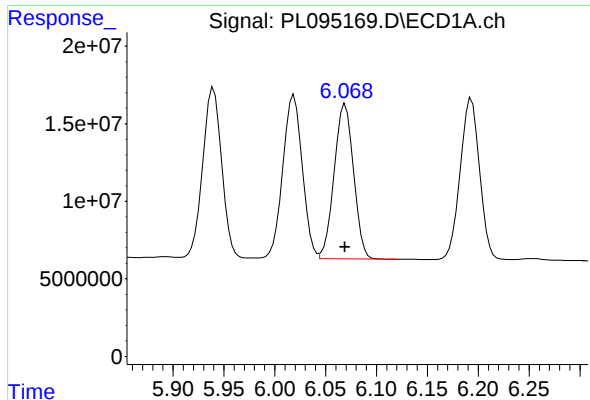
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 138700281
Conc: 41.46 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.007 min
Response: 234078928
Conc: 51.12 ng/ml



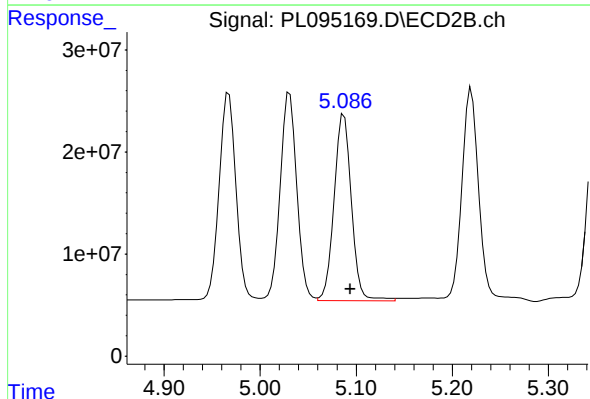
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 132357745
Conc: 43.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

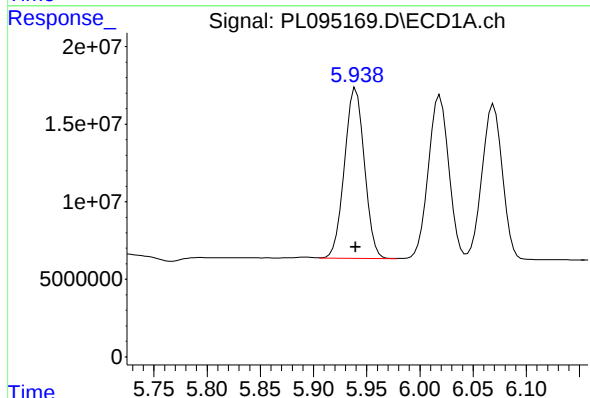
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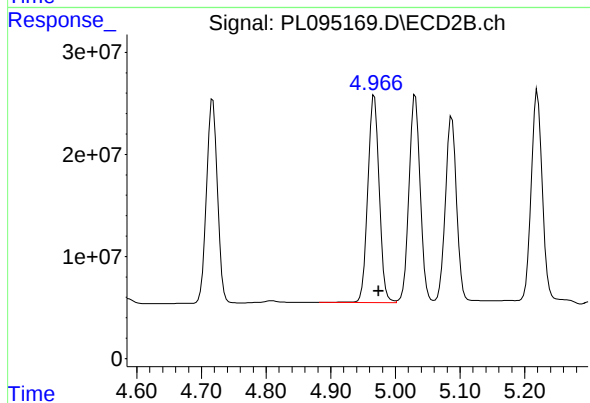
#9 Endosulfan I

R.T.: 5.087 min
Delta R.T.: -0.007 min
Response: 225917900
Conc: 51.48 ng/ml



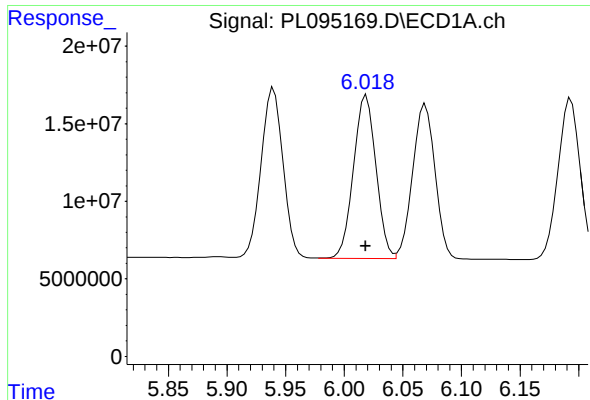
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 142476907
Conc: 42.29 ng/ml



#10 gamma-Chlordane

R.T.: 4.967 min
Delta R.T.: -0.006 min
Response: 248512041
Conc: 51.47 ng/ml



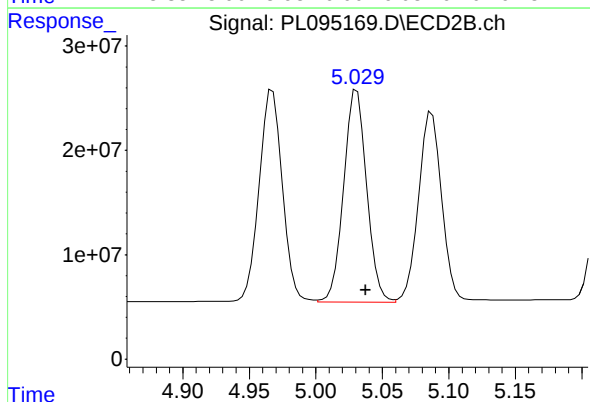
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 14052990
Conc: 42.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

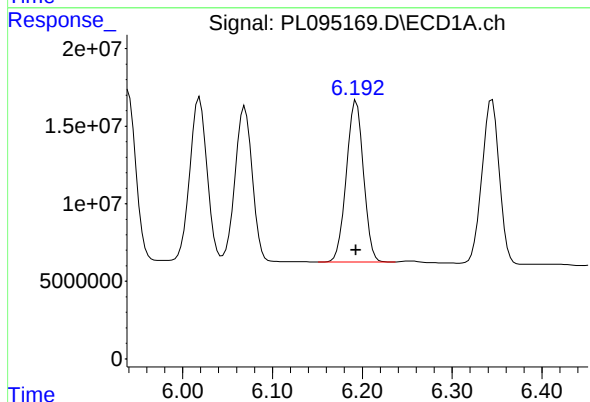
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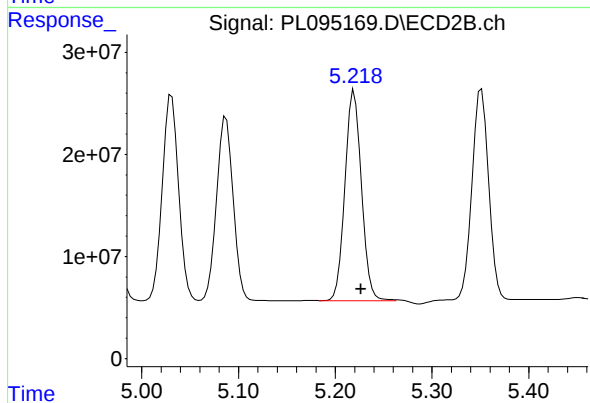
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.007 min
Response: 245532091
Conc: 51.44 ng/ml



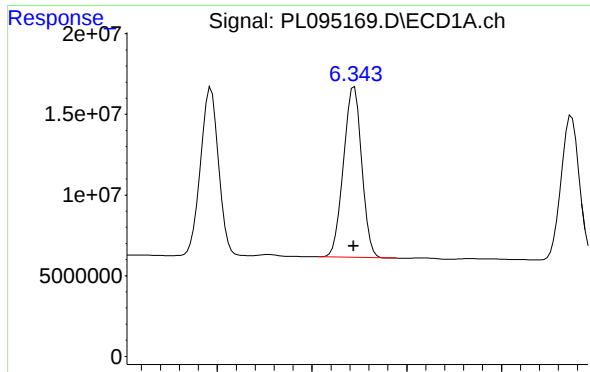
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 137569162
Conc: 46.76 ng/ml



#12 4,4'-DDE

R.T.: 5.218 min
Delta R.T.: -0.008 min
Response: 243161743
Conc: 52.31 ng/ml m



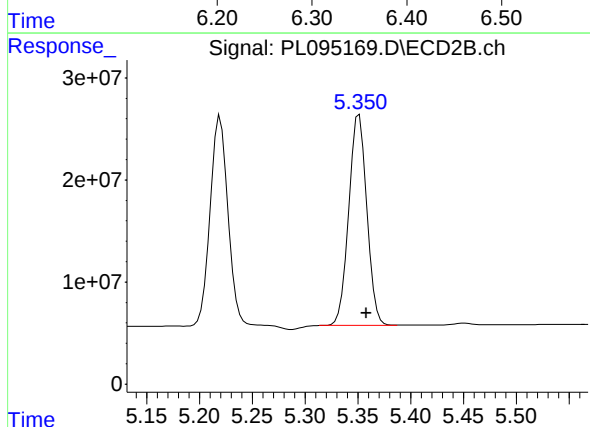
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 141490078
Conc: 44.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

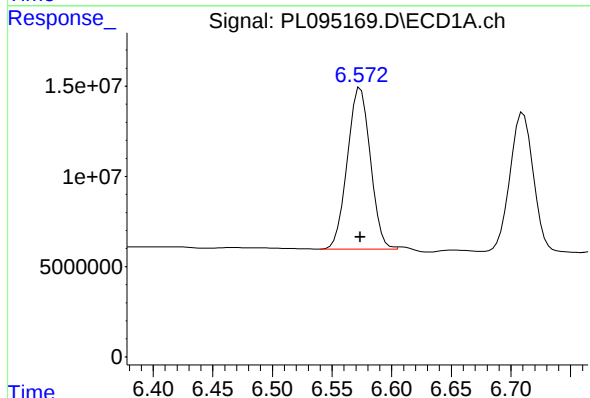
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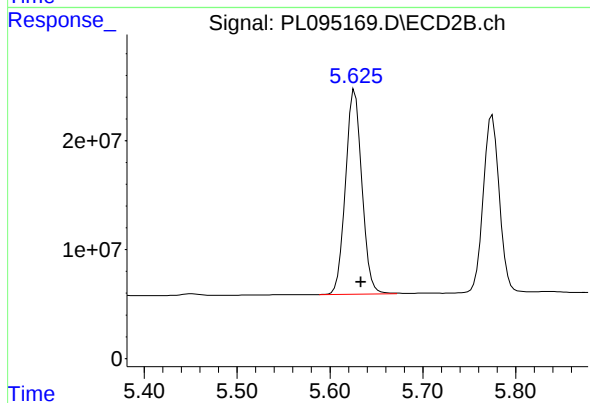
#13 Dieldrin

R.T.: 5.350 min
Delta R.T.: -0.008 min
Response: 245635426
Conc: 50.63 ng/ml



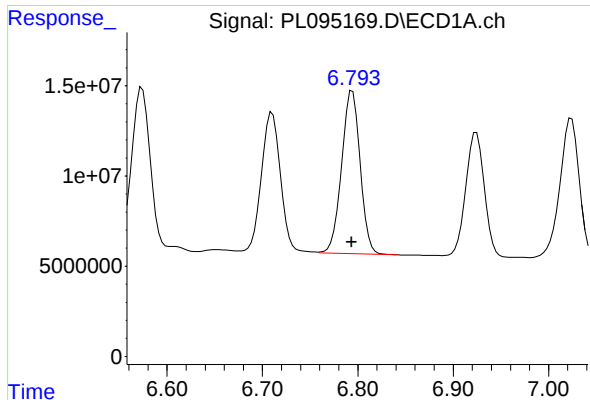
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.001 min
Response: 120766586
Conc: 43.57 ng/ml



#14 Endrin

R.T.: 5.625 min
Delta R.T.: -0.008 min
Response: 230073161
Conc: 52.72 ng/ml



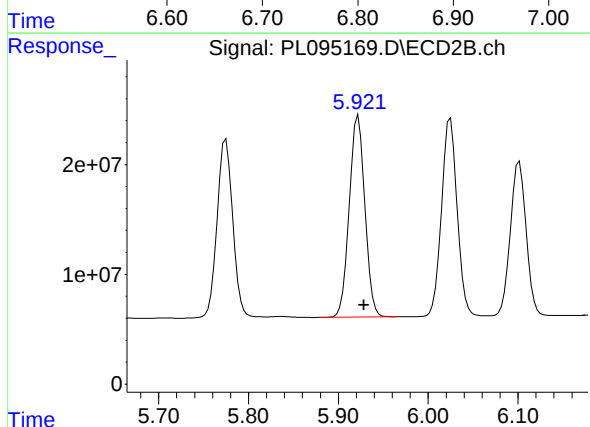
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 122023453
Conc: 44.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

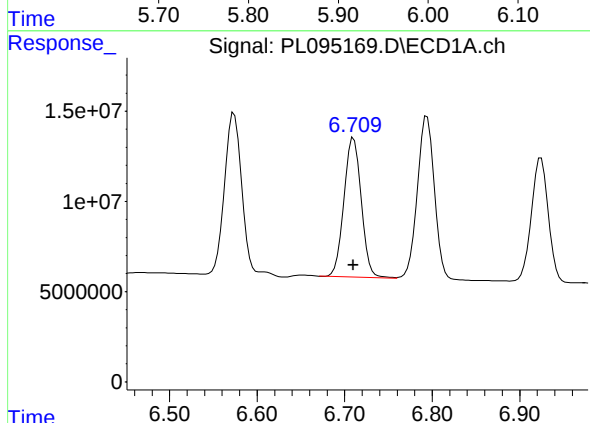
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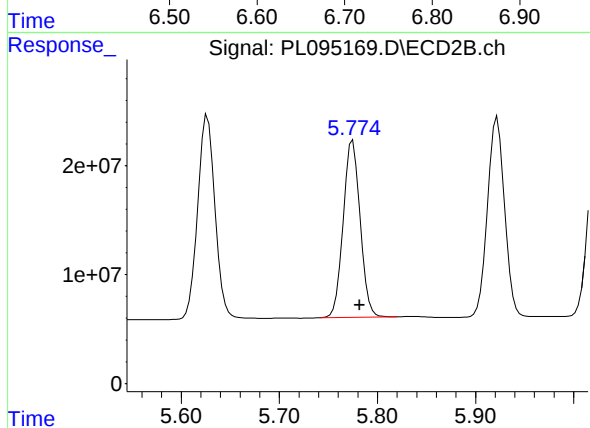
#15 Endosulfan II

R.T.: 5.921 min
Delta R.T.: -0.008 min
Response: 221539989
Conc: 51.18 ng/ml m



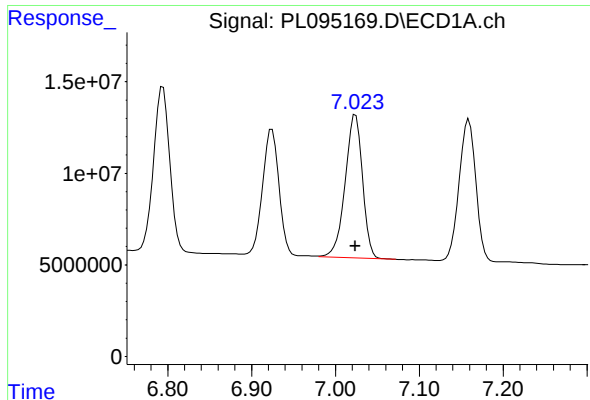
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 106119937
Conc: 48.99 ng/ml



#16 4,4'-DDD

R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 195214232
Conc: 54.29 ng/ml



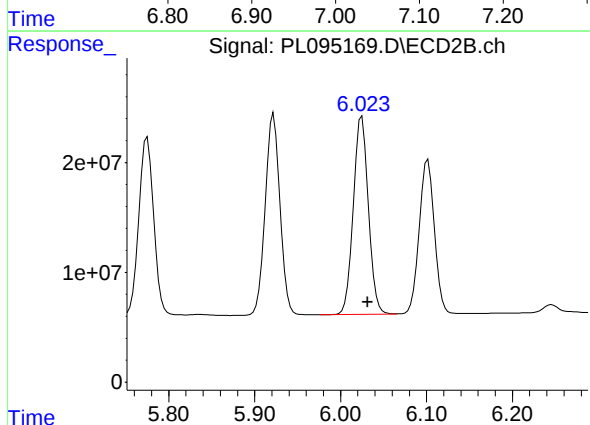
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 112165523
Conc: 47.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

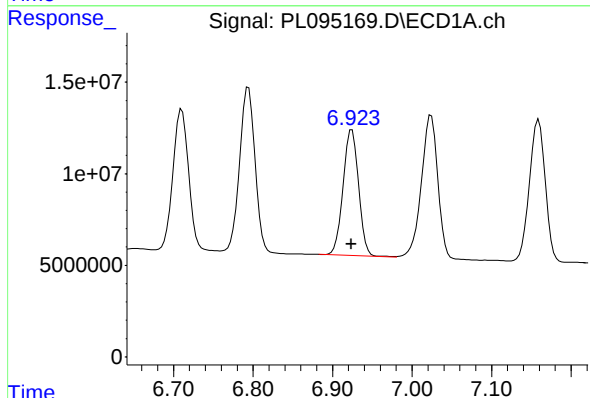
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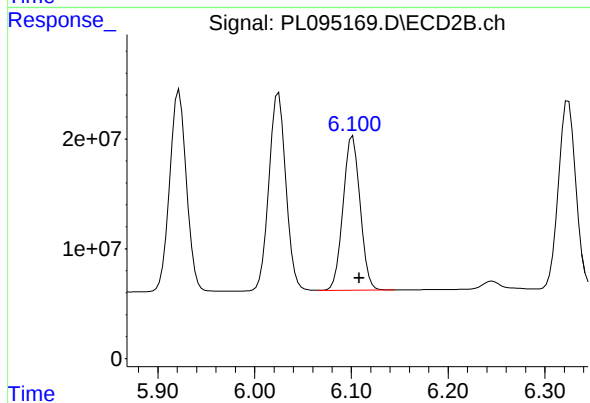
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.007 min
Response: 218150225
Conc: 54.10 ng/ml



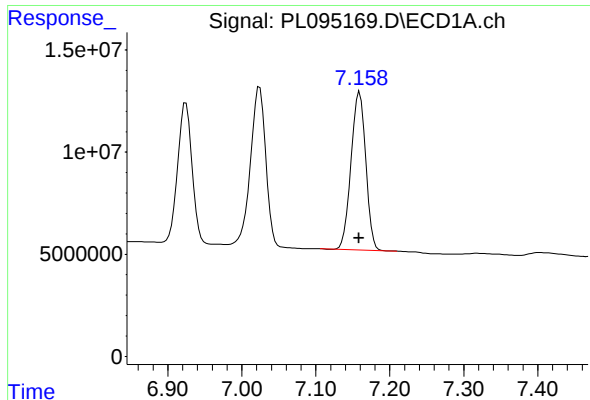
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 93239120
Conc: 44.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 171380518
Conc: 50.92 ng/ml



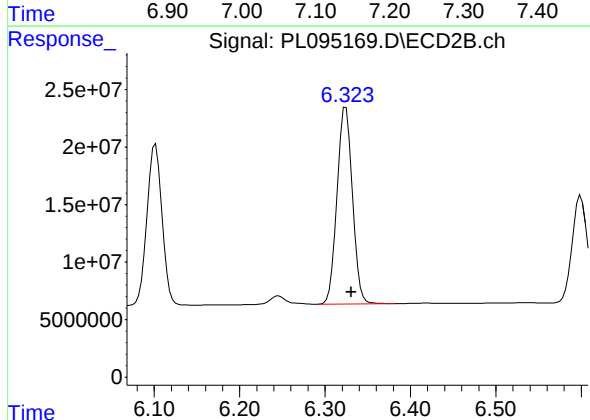
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 106752557
Conc: 43.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

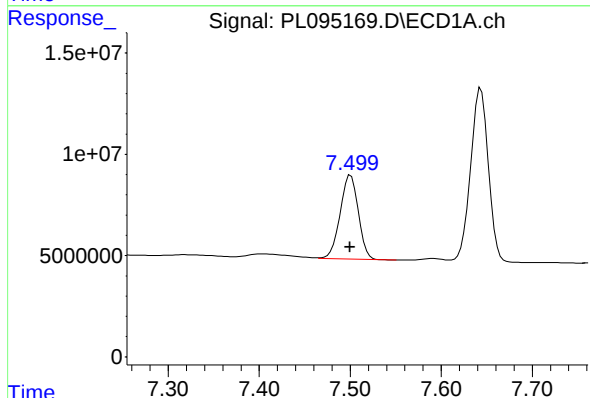
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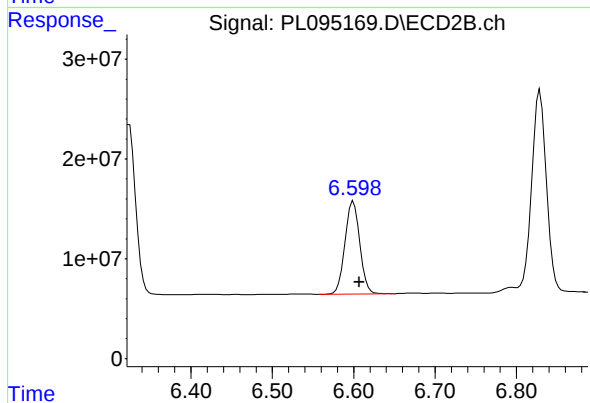
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: -0.006 min
Response: 213664514
Conc: 52.45 ng/ml



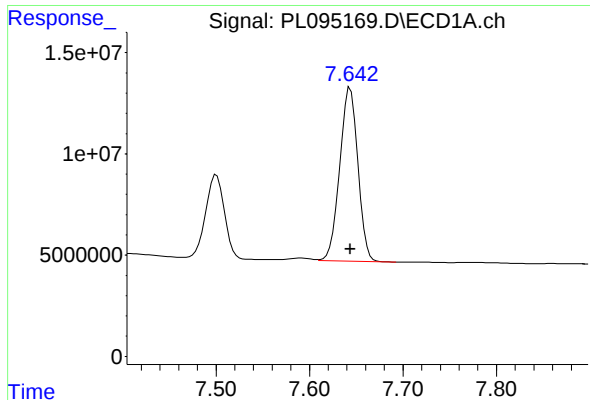
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 57302132
Conc: 47.87 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.007 min
Response: 117822767
Conc: 55.55 ng/ml



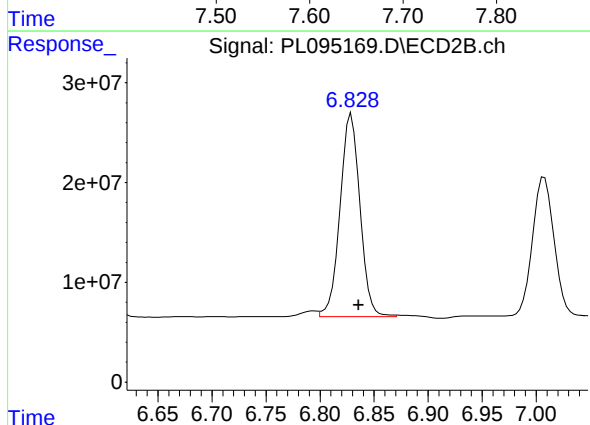
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 115632298
Conc: 43.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

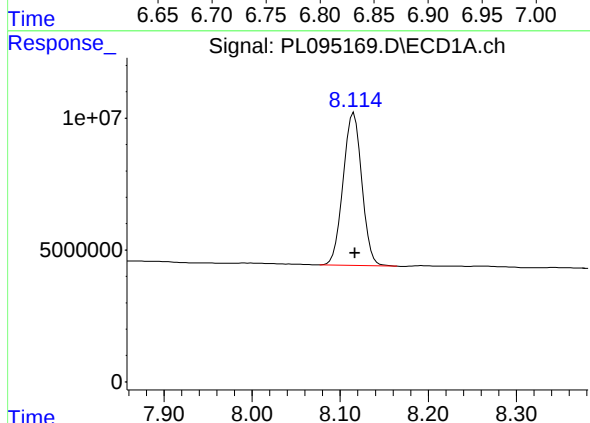
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/11/2025
Supervised By :mohammad ahmed 04/14/2025



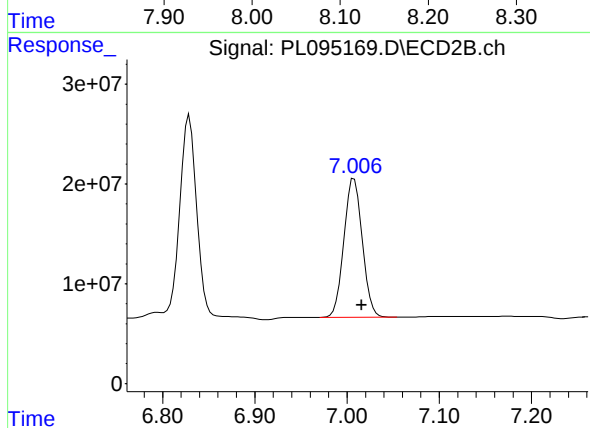
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 259741889
Conc: 54.42 ng/ml m



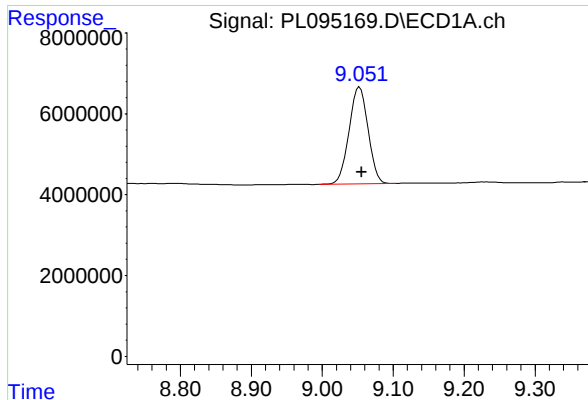
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 85392692
Conc: 41.33 ng/ml



#22 Mirex

R.T.: 7.006 min
Delta R.T.: -0.010 min
Response: 192382926
Conc: 50.69 ng/ml m



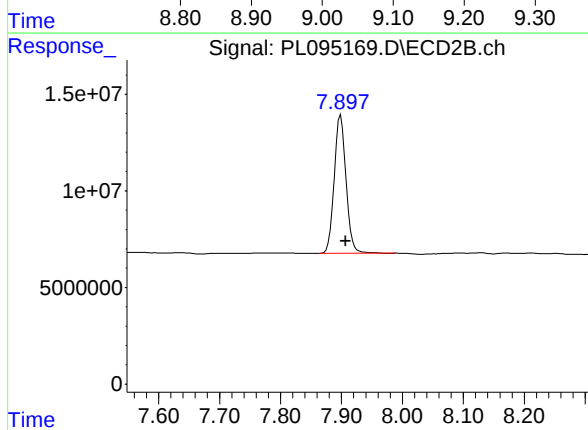
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 44467358
Conc: 21.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167543BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/11/2025
Supervised By :mohammad ahmed 04/14/2025



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 96097887
Conc: 23.79 ng/ml