

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
 Data File : PL095662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:17
 Operator : AR\AJ
 Sample : Q2001-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A4-03-CMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:09:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.593	2.907	72897559	79394150	17.841	16.950
2) SA Decachlor...	9.114	8.081	73983273	84098480	21.808	20.389
Target Compounds						
2) A alpha-BHC	4.043	3.416	300.3E6	329.3E6	51.320	46.054
3) MA gamma-BHC...	4.374	3.749	291.3E6	308.1E6	52.333	45.624
4) MA Heptachlor	4.971	4.102	271.5E6	289.2E6	49.850	44.329
5) MB Aldrin	5.313	4.387	291.8E6	284.9E6	50.804	44.675
6) B beta-BHC	4.560	4.042	94786986	134.9E6	38.703	44.715
7) B delta-BHC	4.808	4.279	273.6E6	306.0E6	50.359	44.953
8) B Heptachlo...	5.734	4.890	269.9E6	273.4E6	52.085	47.310
9) A Endosulfan I	6.117	5.263	208.3E6	200.8E6	42.559	38.820
10) B gamma-Chl...	5.988	5.143	289.6E6	282.4E6	54.084	47.410
11) B alpha-Chl...	6.068	5.207	280.9E6	276.5E6	54.047	46.848
12) B 4,4'-DDE	6.238	5.393	269.9E6	280.4E6	52.736	46.979
13) MA Dieldrin	6.389	5.528	271.3E6	296.4E6	55.060	48.178
14) MA Endrin	6.617	5.802	209.3E6	257.2E6	54.641	48.278
15) B Endosulfa...	6.829	6.093	122.5E6	147.9E6	29.378	27.006
16) A 4,4'-DDD	6.746	5.943	212.3E6	290.2E6	54.643	56.421m
17) MA 4,4'-DDT	7.062	6.198	198.7E6	234.7E6	55.216	46.761
18) B Endrin al...	6.957	6.270	167.0E6	195.6E6	56.887	51.082
19) B Endosulfa...	7.191	6.494	206.7E6	241.9E6	56.326	48.648
20) A Methoxychlor	7.533	6.768	91164860	125.3E6	54.070	46.296
21) B Endrin ke...	7.673	7.000	209.3E6	291.5E6	55.875	49.607
22) Mirex	8.155	7.195	161.5E6	205.5E6	53.041	47.672

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:17
Operator : AR\AJ
Sample : Q2001-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

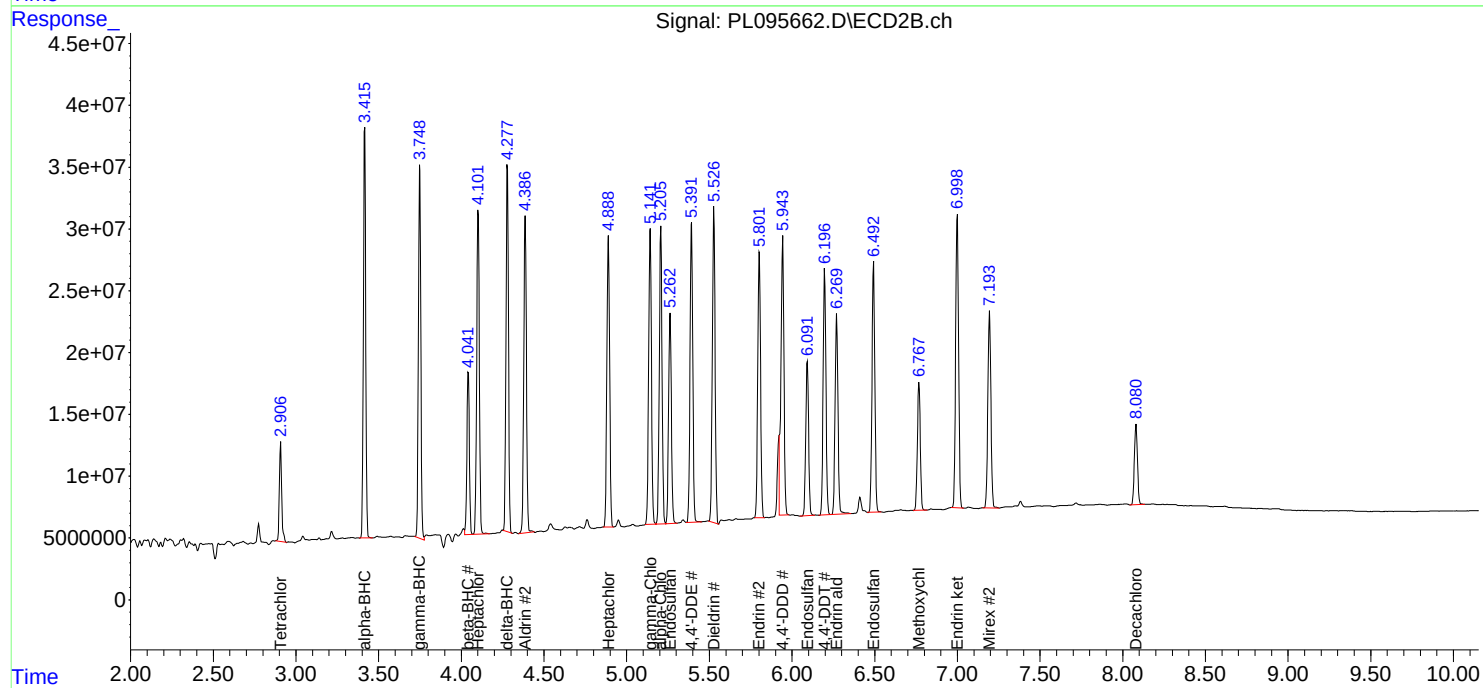
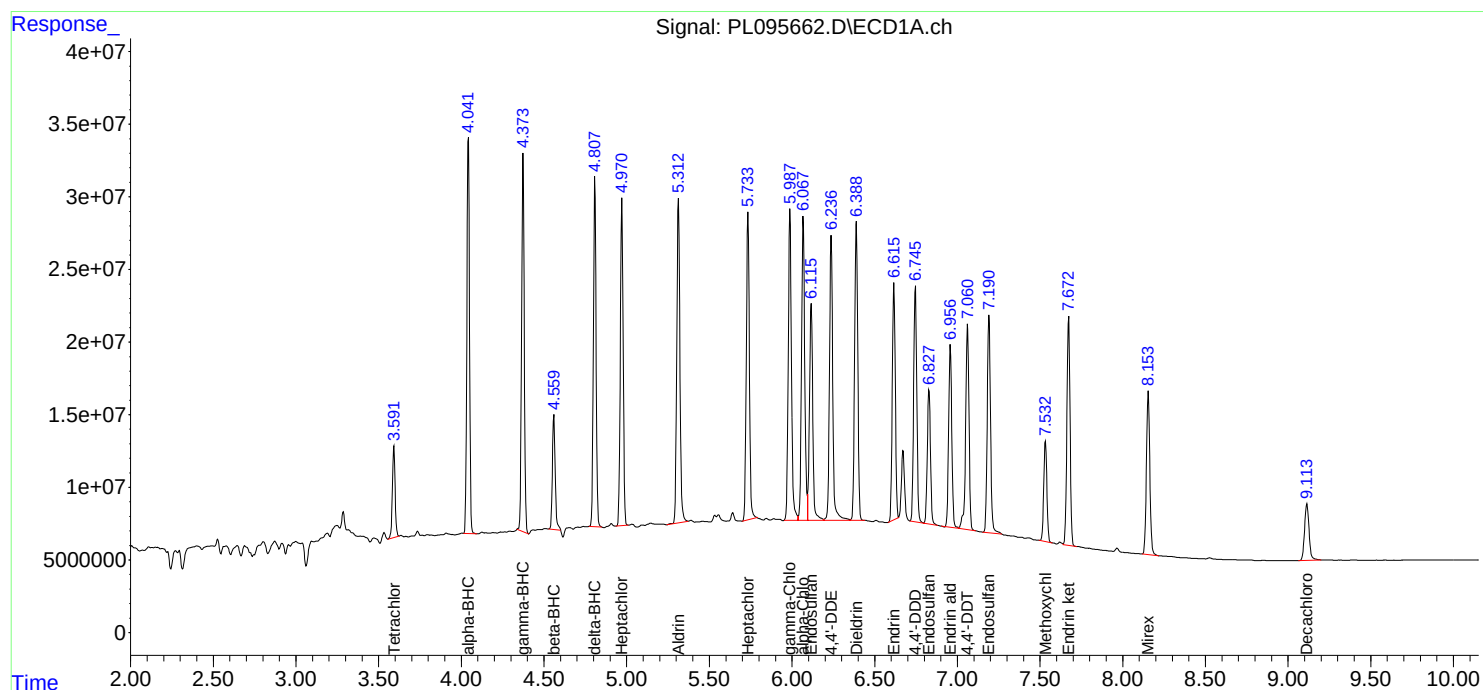
Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

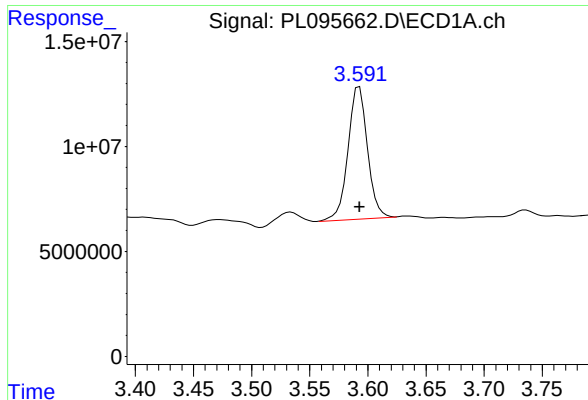
Manual Integrations
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Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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





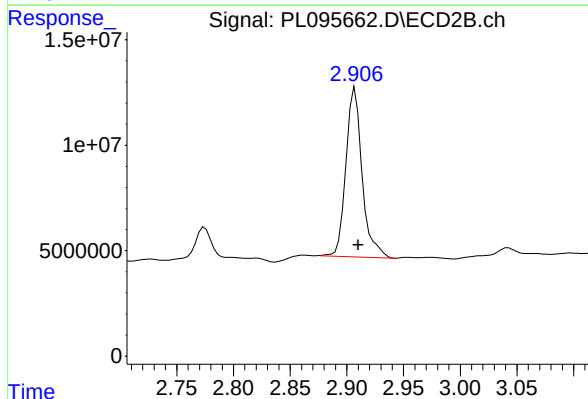
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: 0.000 min
Response: 72897559
Conc: 17.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

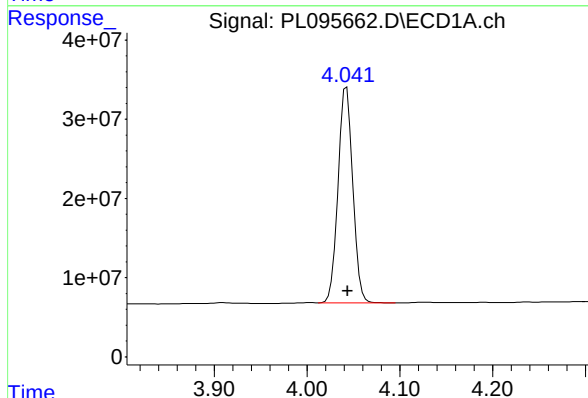
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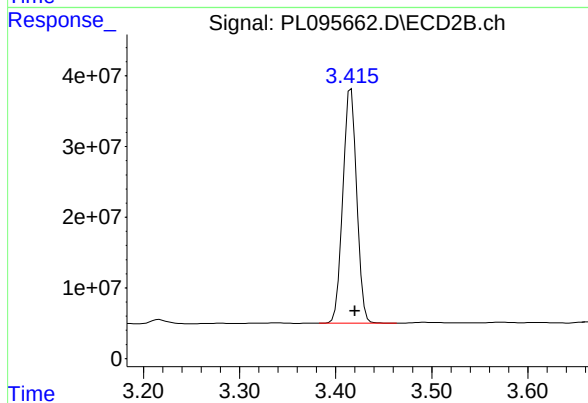
#1 Tetrachloro-m-xylene

R.T.: 2.907 min
Delta R.T.: -0.003 min
Response: 79394150
Conc: 16.95 ng/ml



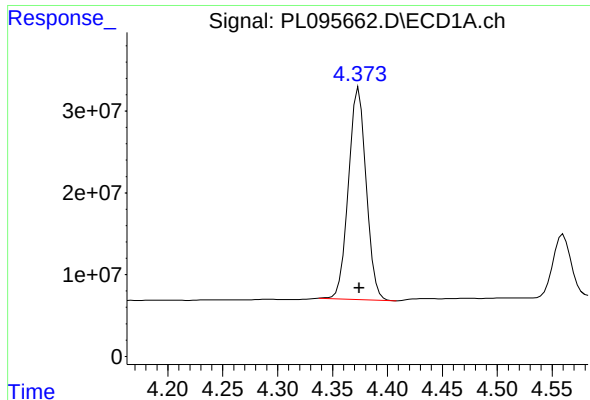
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.001 min
Response: 300282018
Conc: 51.32 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: -0.004 min
Response: 329348311
Conc: 46.05 ng/ml



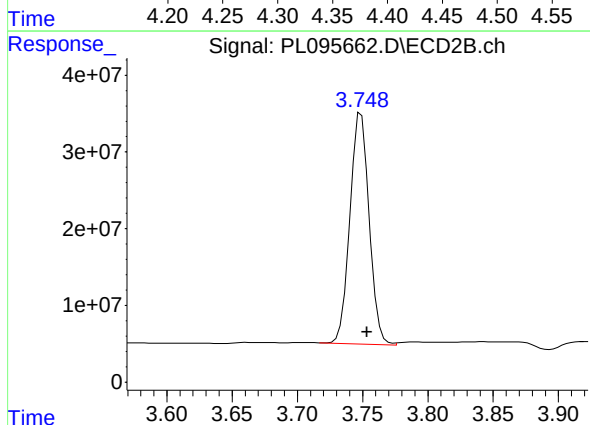
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 291287232
Conc: 52.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

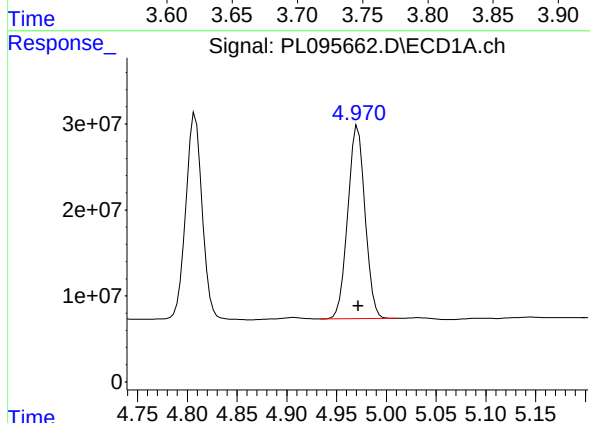
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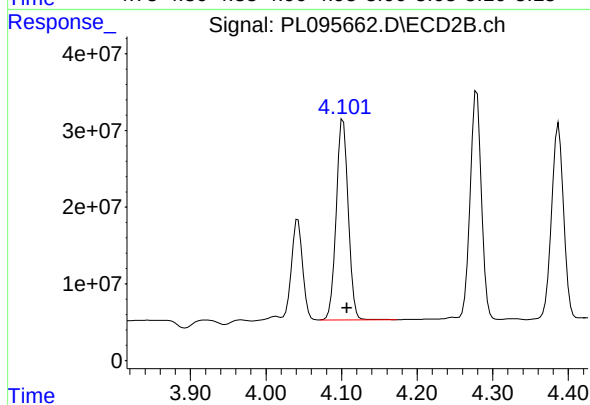
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: -0.005 min
Response: 308081492
Conc: 45.62 ng/ml



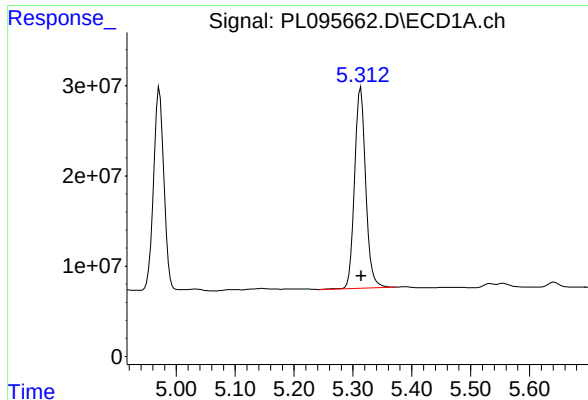
#4 Heptachlor

R.T.: 4.971 min
Delta R.T.: 0.000 min
Response: 271476429
Conc: 49.85 ng/ml



#4 Heptachlor

R.T.: 4.102 min
Delta R.T.: -0.005 min
Response: 289176274
Conc: 44.33 ng/ml



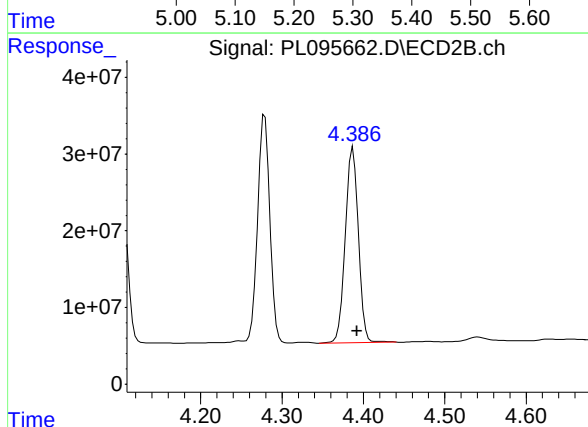
#5 Aldrin

R.T.: 5.313 min
Delta R.T.: -0.001 min
Response: 291803177
Conc: 50.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

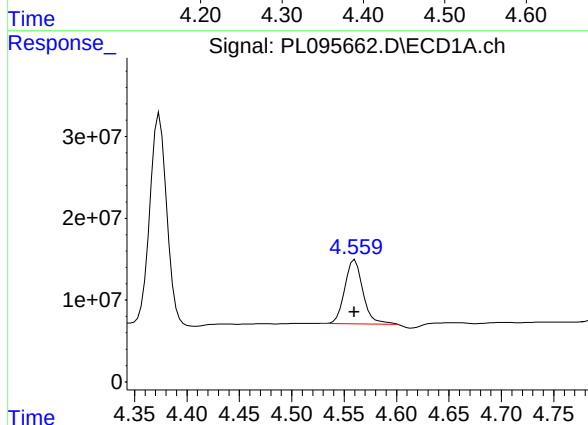
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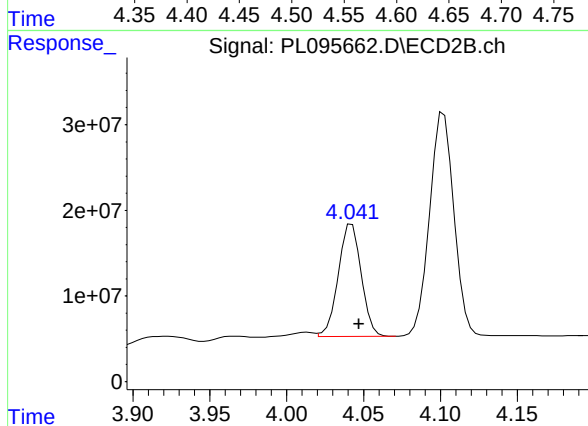
#5 Aldrin

R.T.: 4.387 min
Delta R.T.: -0.005 min
Response: 284931021
Conc: 44.67 ng/ml



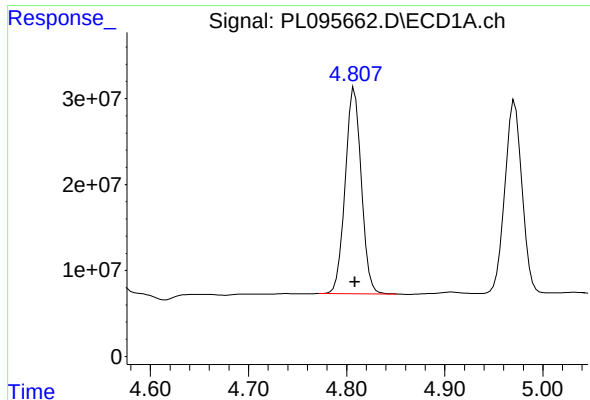
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 94786986
Conc: 38.70 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.005 min
Response: 134908915
Conc: 44.72 ng/ml



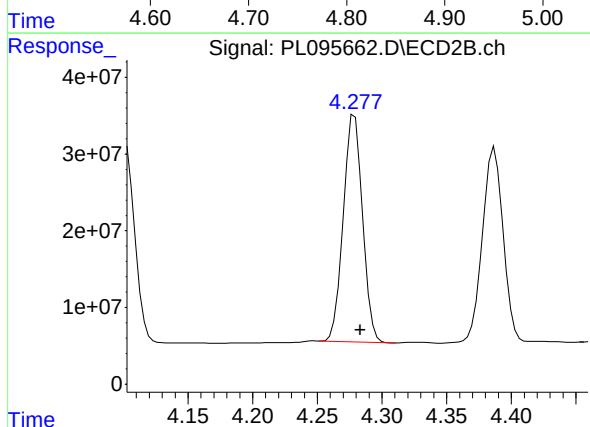
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 273588287
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

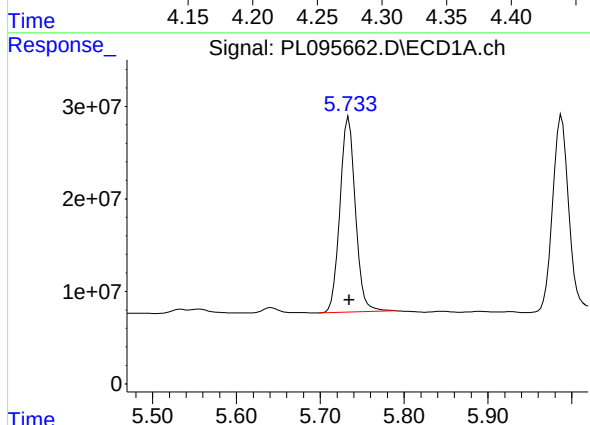
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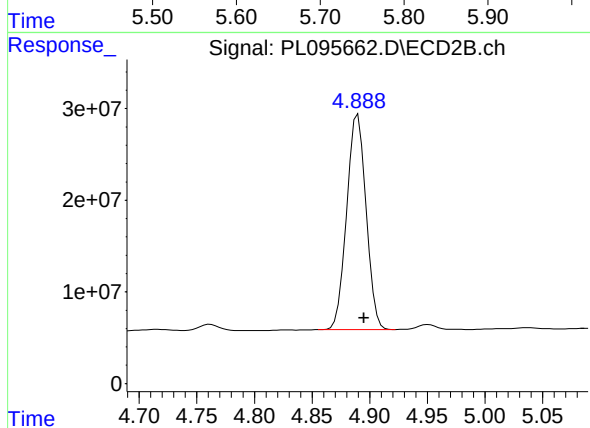
#7 delta-BHC

R.T.: 4.279 min
Delta R.T.: -0.004 min
Response: 305986120
Conc: 44.95 ng/ml



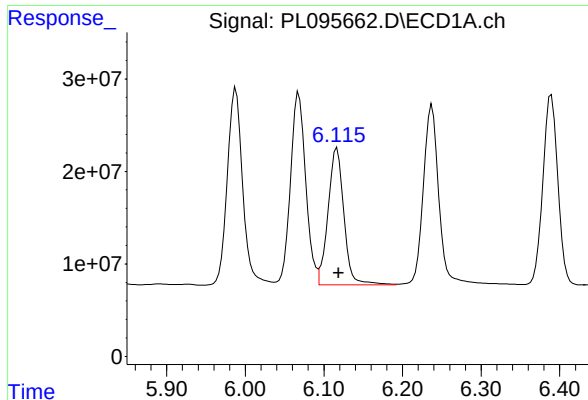
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: 0.000 min
Response: 269898519
Conc: 52.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.890 min
Delta R.T.: -0.005 min
Response: 273423084
Conc: 47.31 ng/ml



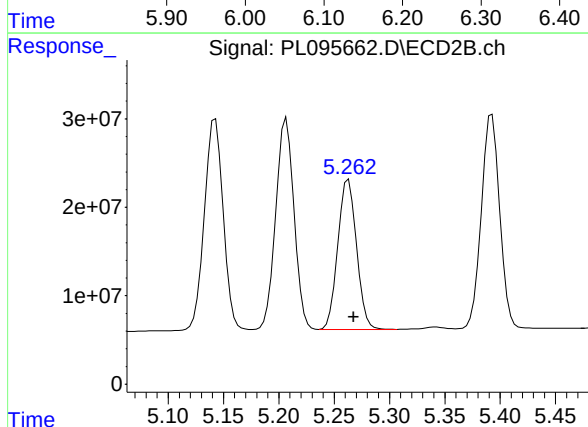
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.002 min
Response: 208347041
Conc: 42.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

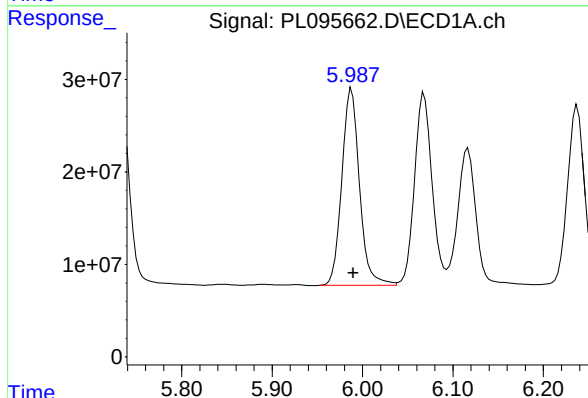
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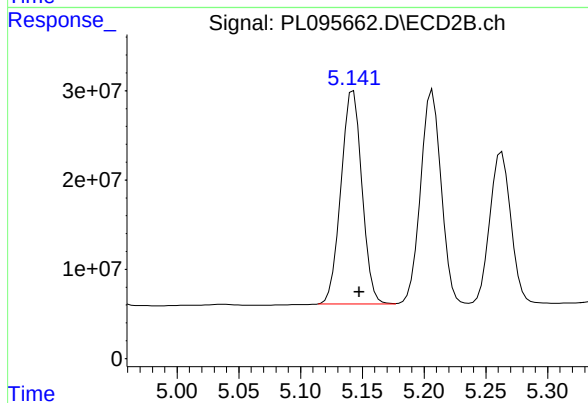
#9 Endosulfan I

R.T.: 5.263 min
Delta R.T.: -0.005 min
Response: 200777856
Conc: 38.82 ng/ml



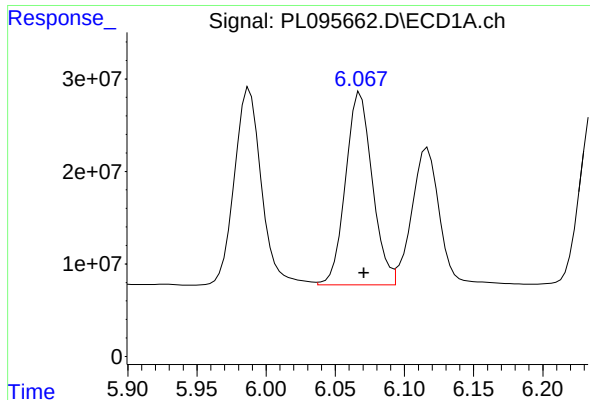
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.002 min
Response: 289635577
Conc: 54.08 ng/ml



#10 gamma-Chlordane

R.T.: 5.143 min
Delta R.T.: -0.005 min
Response: 282390788
Conc: 47.41 ng/ml



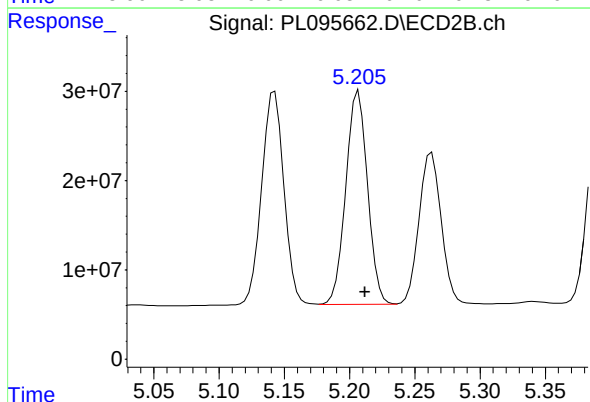
#11 alpha-Chlordane

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 280925708
Conc: 54.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

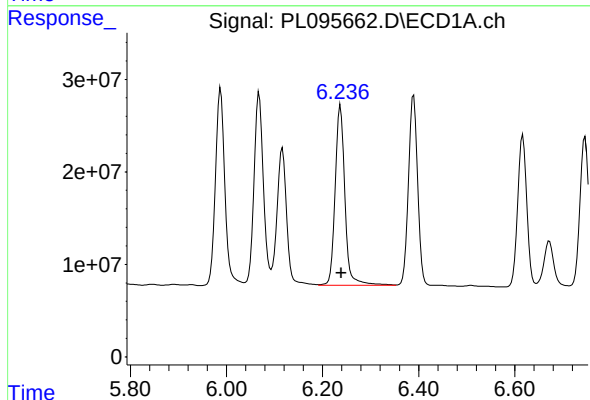
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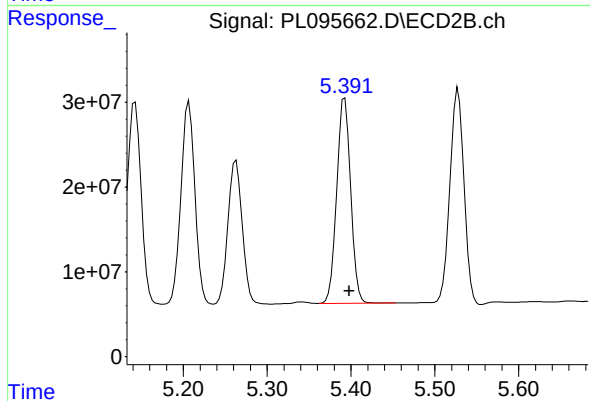
#11 alpha-Chlordane

R.T.: 5.207 min
Delta R.T.: -0.005 min
Response: 276507239
Conc: 46.85 ng/ml



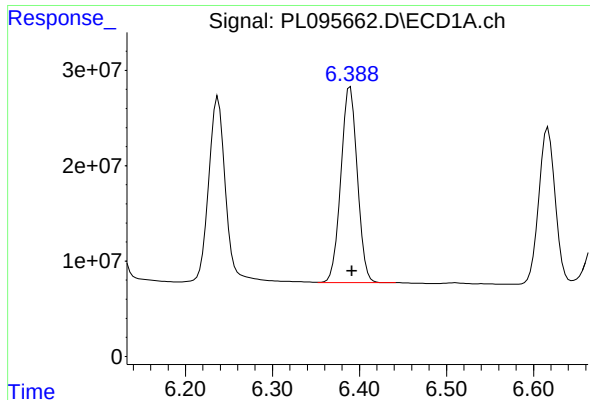
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 269947879
Conc: 52.74 ng/ml



#12 4,4'-DDE

R.T.: 5.393 min
Delta R.T.: -0.005 min
Response: 280362108
Conc: 46.98 ng/ml



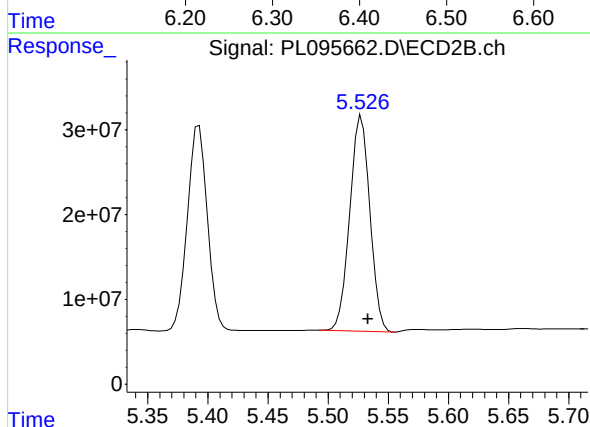
#13 Dieldrin

R.T.: 6.389 min
Delta R.T.: -0.002 min
Response: 271339162
Conc: 55.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

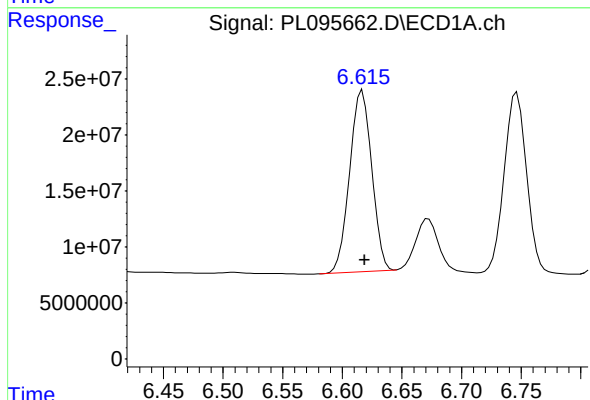
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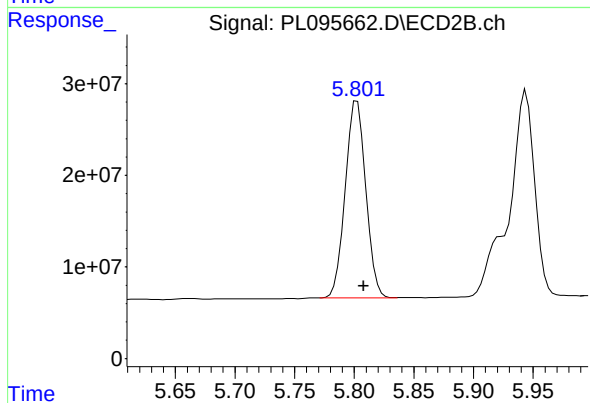
#13 Dieldrin

R.T.: 5.528 min
Delta R.T.: -0.005 min
Response: 296422950
Conc: 48.18 ng/ml



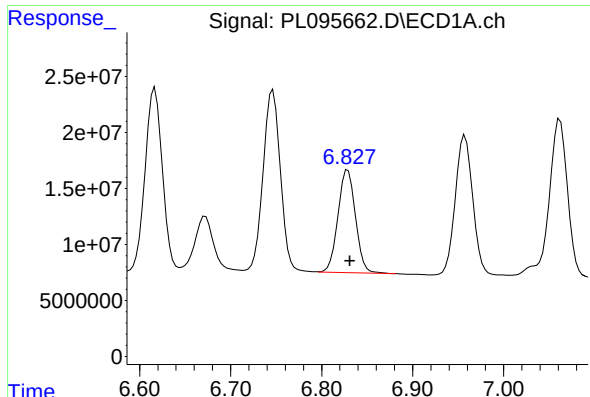
#14 Endrin

R.T.: 6.617 min
Delta R.T.: -0.002 min
Response: 209307230
Conc: 54.64 ng/ml



#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 257210100
Conc: 48.28 ng/ml



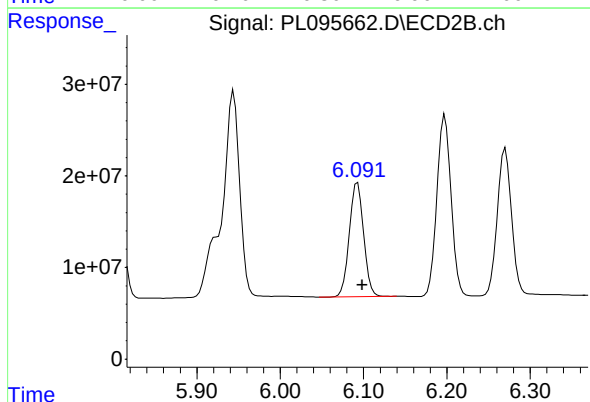
#15 Endosulfan II

R.T.: 6.829 min
Delta R.T.: -0.002 min
Response: 122451152
Conc: 29.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

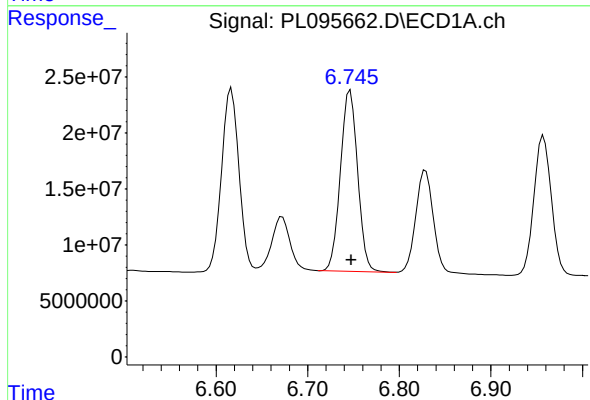
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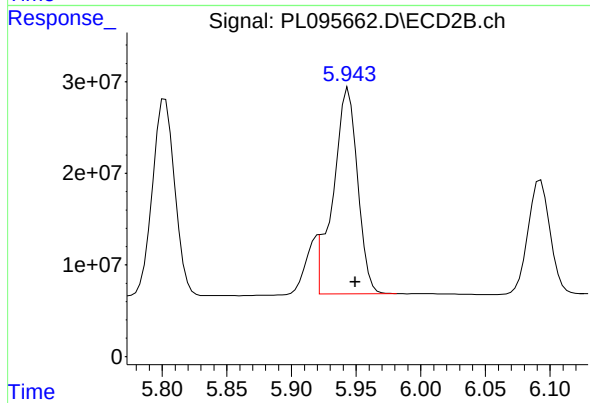
#15 Endosulfan II

R.T.: 6.093 min
Delta R.T.: -0.006 min
Response: 147894969
Conc: 27.01 ng/ml



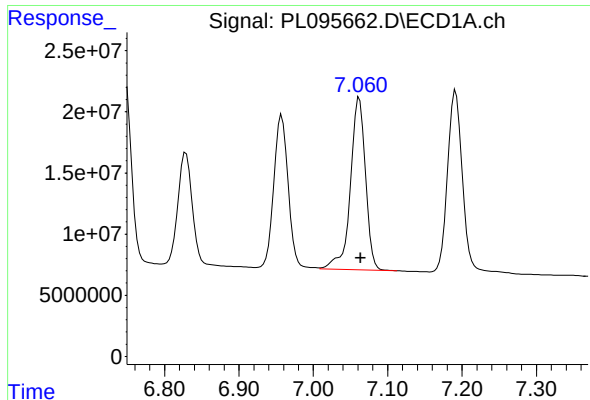
#16 4,4'-DDD

R.T.: 6.746 min
Delta R.T.: -0.001 min
Response: 212321736
Conc: 54.64 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.007 min
Response: 290157145
Conc: 56.42 ng/ml m



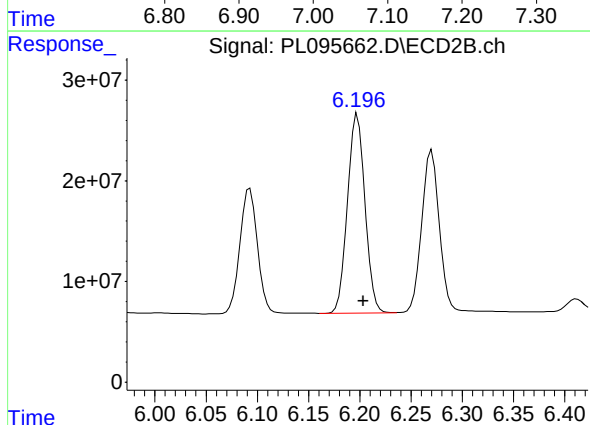
#17 4,4'-DDT

R.T.: 7.062 min
Delta R.T.: -0.002 min
Response: 198657963
Conc: 55.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

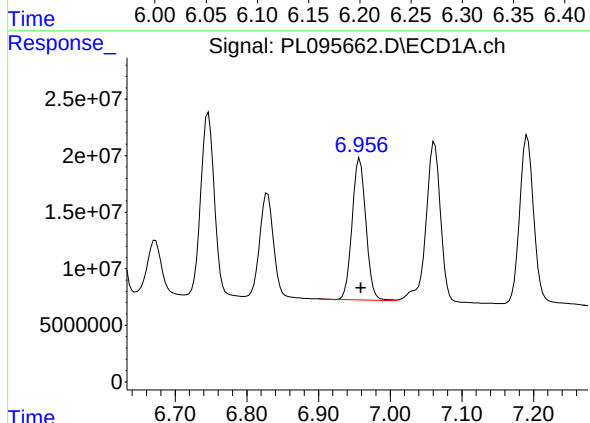
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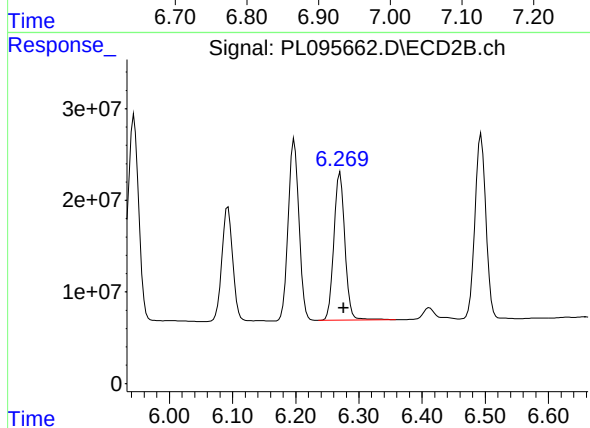
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 234685301
Conc: 46.76 ng/ml



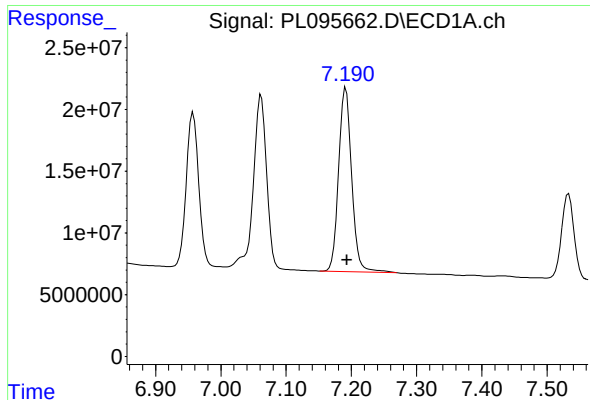
#18 Endrin aldehyde

R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 167012914
Conc: 56.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 195581784
Conc: 51.08 ng/ml



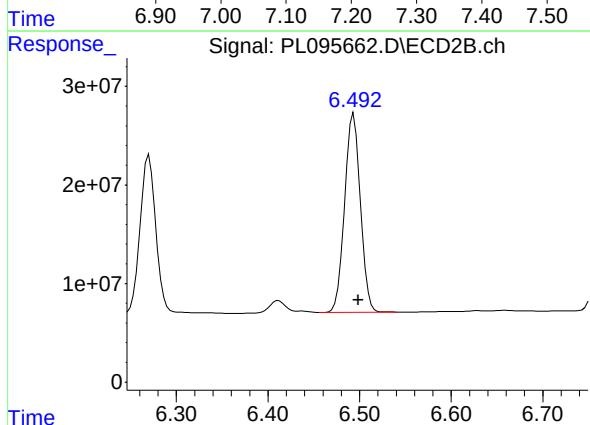
#19 Endosulfan Sulfate

R.T.: 7.191 min
Delta R.T.: -0.002 min
Response: 206735240
Conc: 56.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

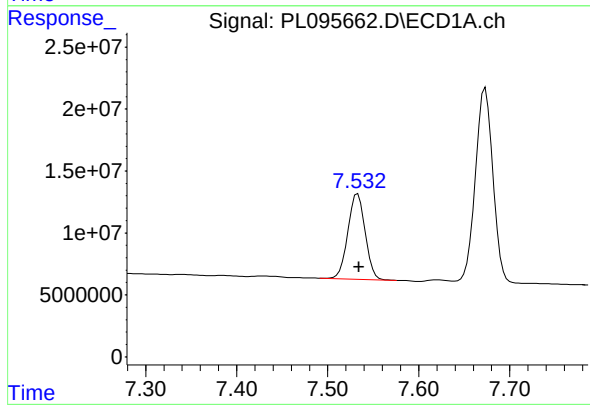
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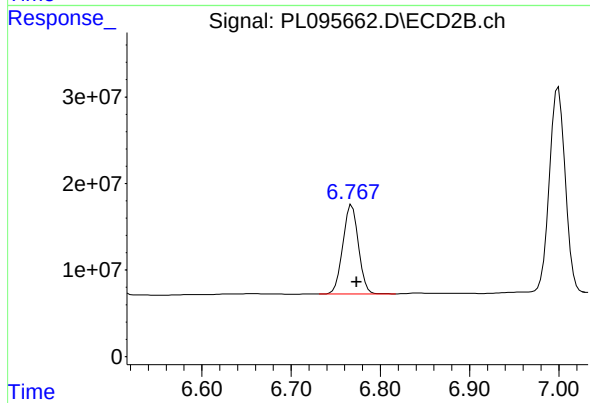
#19 Endosulfan Sulfate

R.T.: 6.494 min
Delta R.T.: -0.005 min
Response: 241867265
Conc: 48.65 ng/ml



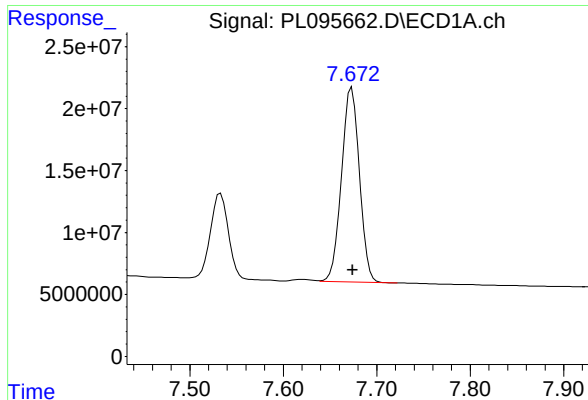
#20 Methoxychlor

R.T.: 7.533 min
Delta R.T.: -0.001 min
Response: 91164860
Conc: 54.07 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.005 min
Response: 125269069
Conc: 46.30 ng/ml



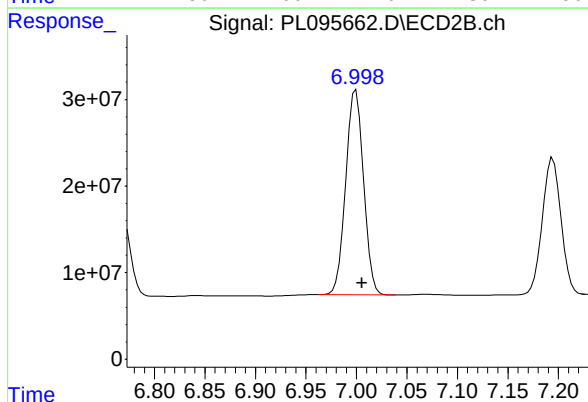
#21 Endrin ketone

R.T.: 7.673 min
Delta R.T.: 0.000 min
Response: 209325577
Conc: 55.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

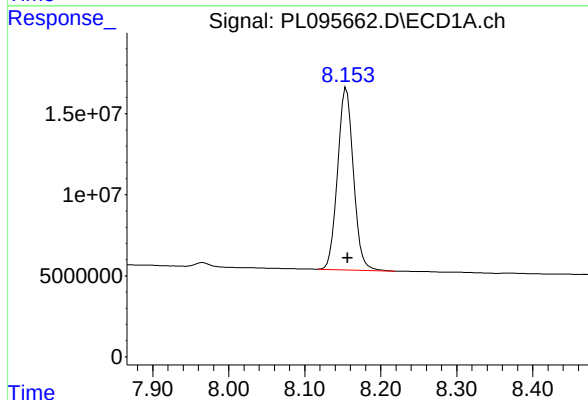
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/16/2025



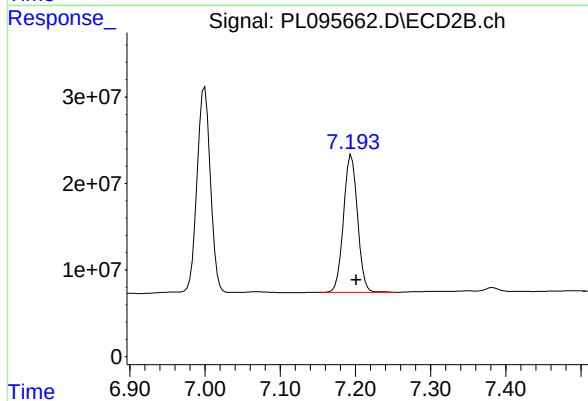
#21 Endrin ketone

R.T.: 7.000 min
Delta R.T.: -0.006 min
Response: 291522001
Conc: 49.61 ng/ml



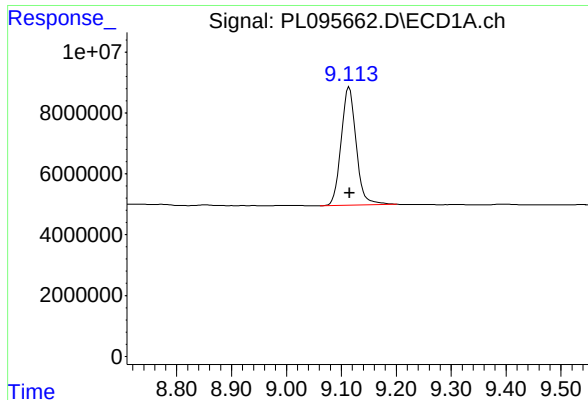
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.001 min
Response: 161491597
Conc: 53.04 ng/ml



#22 Mirex

R.T.: 7.195 min
Delta R.T.: -0.006 min
Response: 205548634
Conc: 47.67 ng/ml



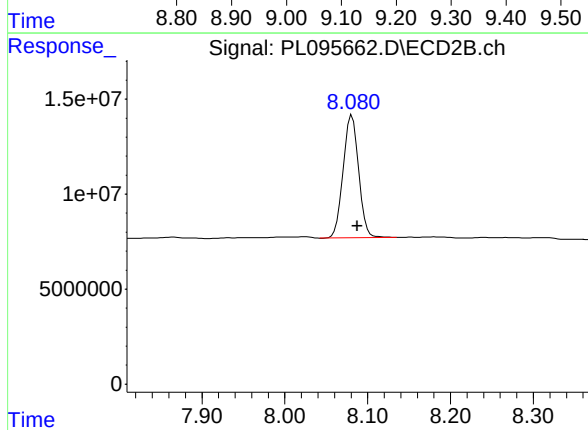
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.001 min
Response: 73983273
Conc: 21.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-CMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/16/2025



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.006 min
Response: 84098480
Conc: 20.39 ng/ml