

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031725\
 Data File : PL094711.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Mar 2025 13:08
 Operator : AR\AJ
 Sample : PB167155BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167155BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/18/2025
 Supervised By : mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 18 01:15:19 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...	3.537	2.770	54192759	69551809	19.145	19.486
28) SA Decachlor...	9.054	7.904	49607338	80437367	23.539	19.913
Target Compounds						
2) A alpha-BHC	3.993	3.272	180.9E6	246.2E6	43.572	45.669
3) MA gamma-BHC...	4.325	3.602	175.5E6	235.3E6	43.991	45.786
4) MA Heptachlor	4.913	3.940	168.9E6	240.5E6	43.516	45.653
5) MB Aldrin	5.255	4.219	163.0E6	224.5E6	44.135	46.031
6) B beta-BHC	4.525	3.903	80708896	106.6E6	43.739	47.991
7) B delta-BHC	4.772	4.131	185.4E6	237.7E6	47.597	47.528
8) B Heptachlo...	5.682	4.721	152.5E6	214.8E6	45.575	46.920m
9) A Endosulfan I	6.068	5.092	140.5E6	201.3E6	45.766	45.871
10) B gamma-Chl...	5.939	4.970	153.2E6	227.0E6	45.464	47.011m
11) B alpha-Chl...	6.017	5.035	151.0E6	223.2E6	45.796	46.771
12) B 4,4'-DDE	6.191	5.223	144.7E6	226.8E6	49.192	48.793m
13) MA Dieldrin	6.343	5.354	148.4E6	230.5E6	46.390	47.512m
14) MA Endrin	6.572	5.630	125.7E6	213.0E6	45.329m	48.817m
15) B Endosulfa...	6.794	5.926	127.8E6	209.4E6	47.092	48.388
16) A 4,4'-DDD	6.709	5.779	112.4E6	185.9E6	51.892	51.693
17) MA 4,4'-DDT	7.023	6.030	120.7E6	203.3E6	50.742	50.427
18) B Endrin al...	6.923	6.106	100.4E6	163.2E6	47.583	48.492
19) B Endosulfa...	7.158	6.329	116.9E6	202.6E6	48.080	49.740
20) A Methoxychlor	7.499	6.604	61132142	106.3E6	51.068	50.137
21) B Endrin ke...	7.643	6.833	129.7E6	239.4E6	49.073	50.170m
22) Mirex	8.116	7.014	98928622	180.6E6	47.878	47.575

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031725\
Data File : PL094711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 13:08
Operator : AR\AJ
Sample : PB167155BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167155BS

Manual Integrations

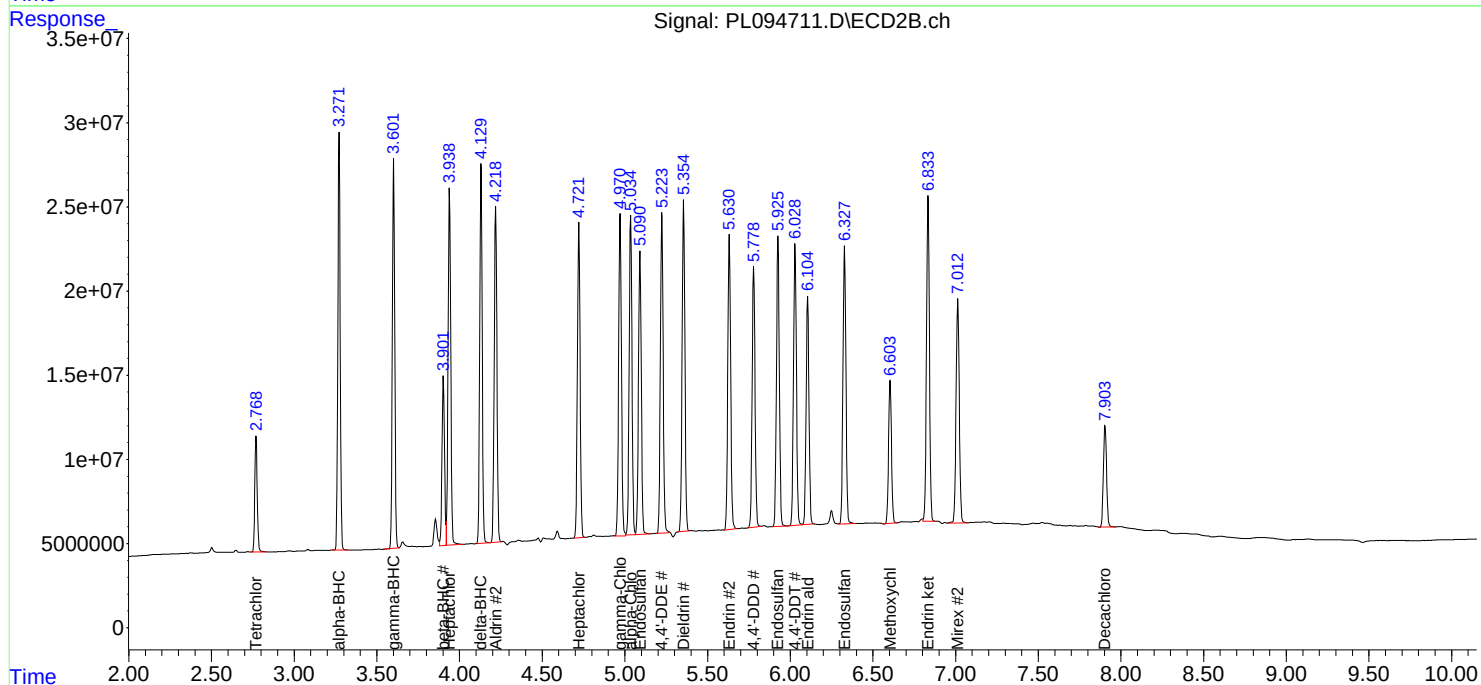
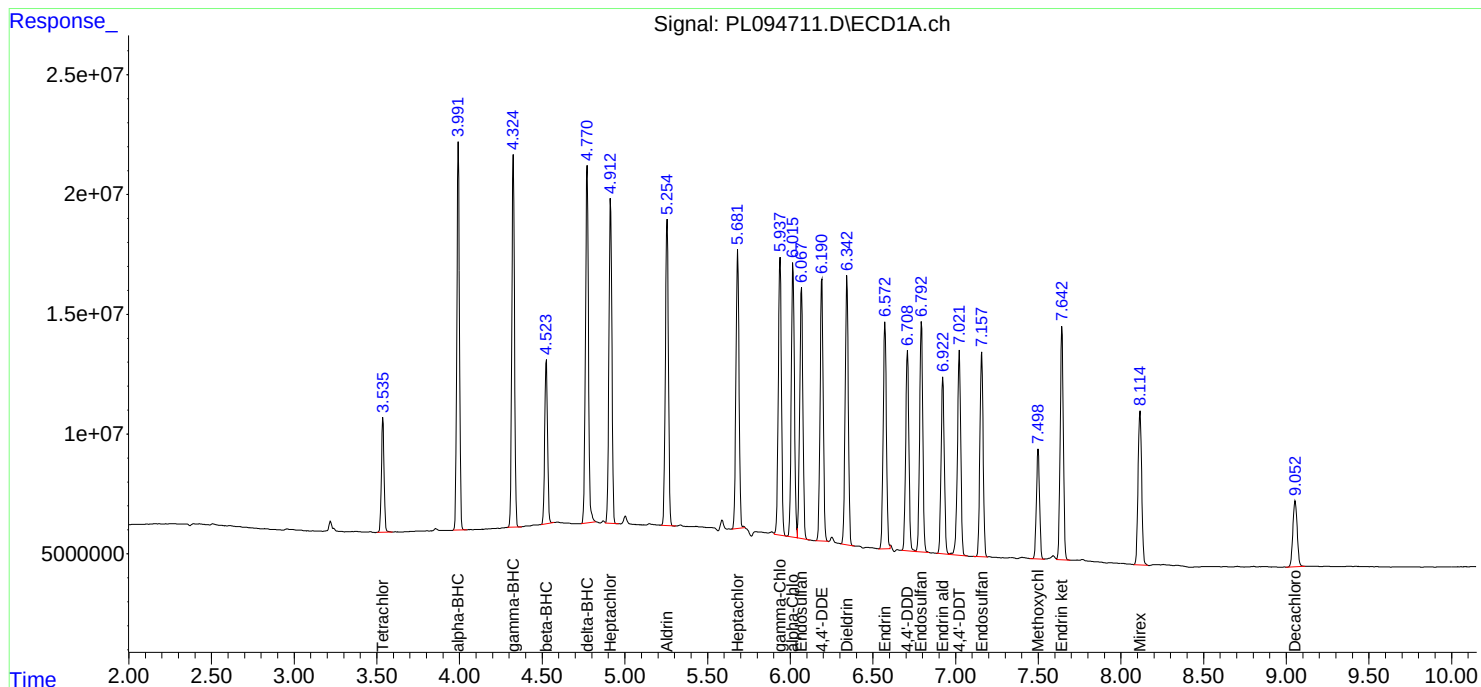
APPROVED

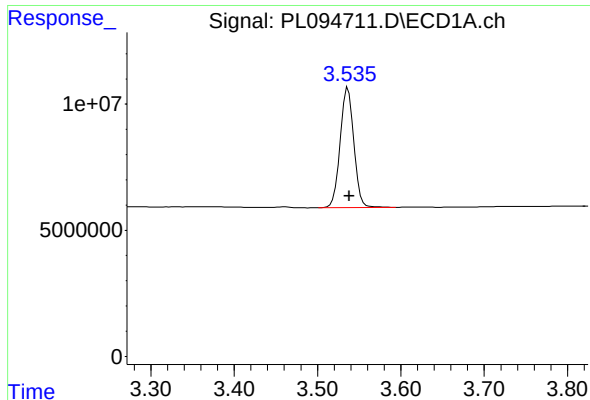
Reviewed By :Abdul Mirza 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:15:19 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





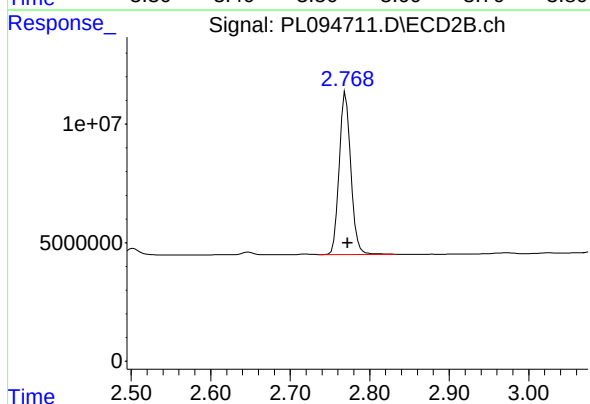
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 54192759
Conc: 19.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

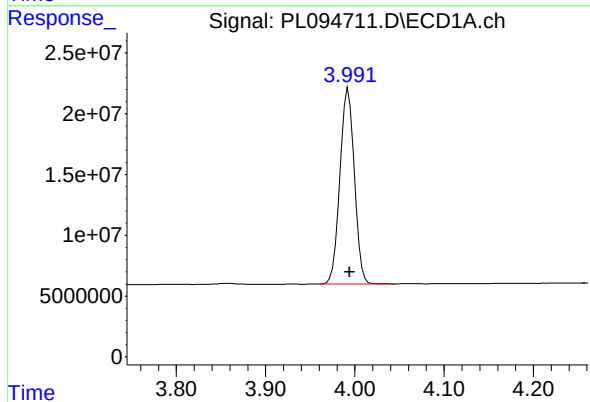
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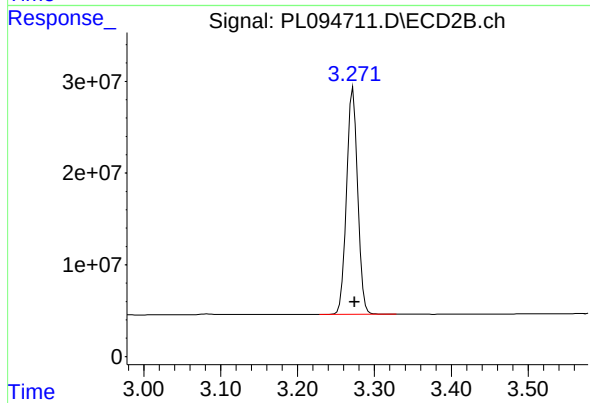
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 69551809
Conc: 19.49 ng/ml



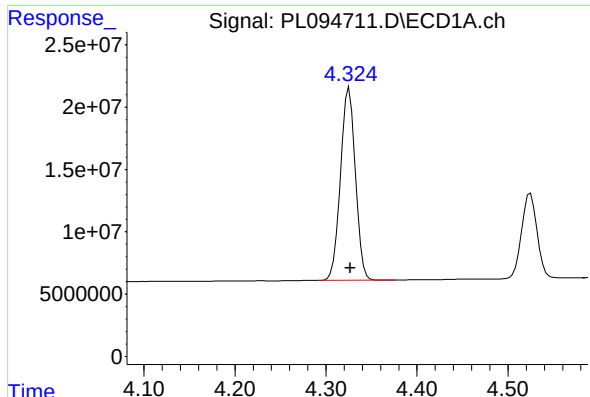
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 180925495
Conc: 43.57 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 246219730
Conc: 45.67 ng/ml



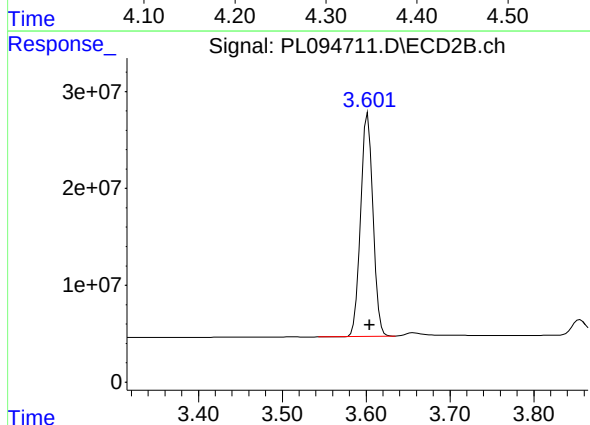
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 175535994
Conc: 43.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

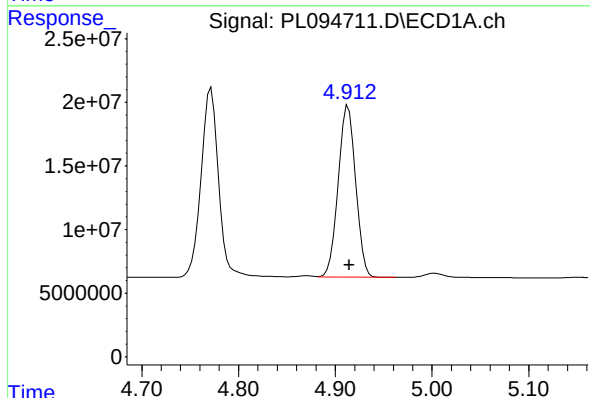
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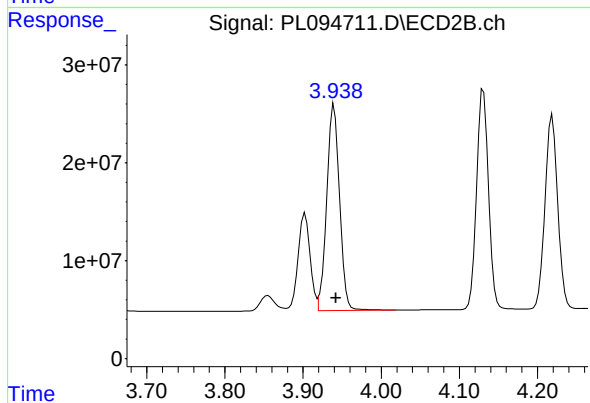
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 235315312
Conc: 45.79 ng/ml



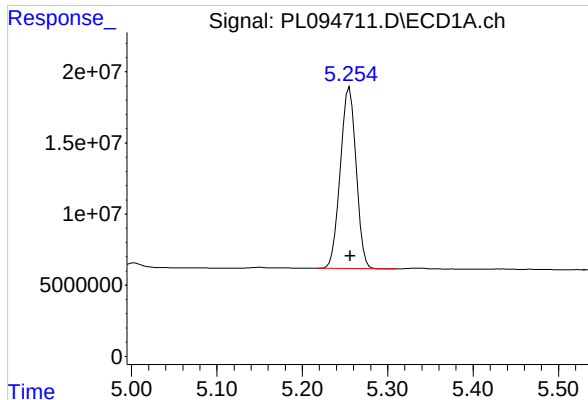
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 168914665
Conc: 43.52 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 240531853
Conc: 45.65 ng/ml



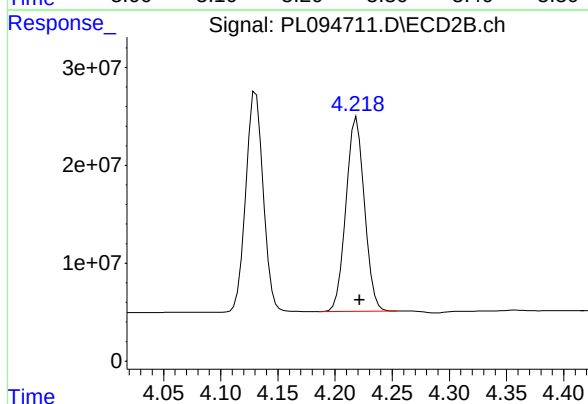
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 162956155
Conc: 44.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

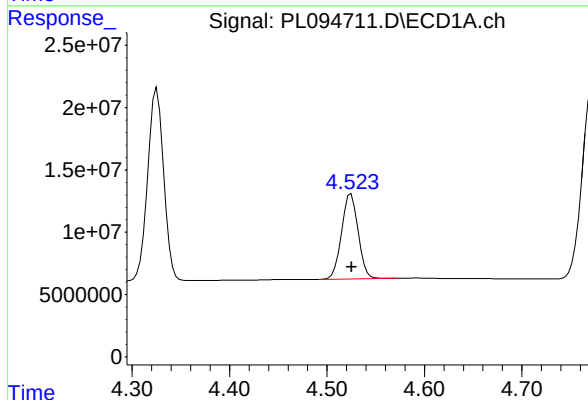
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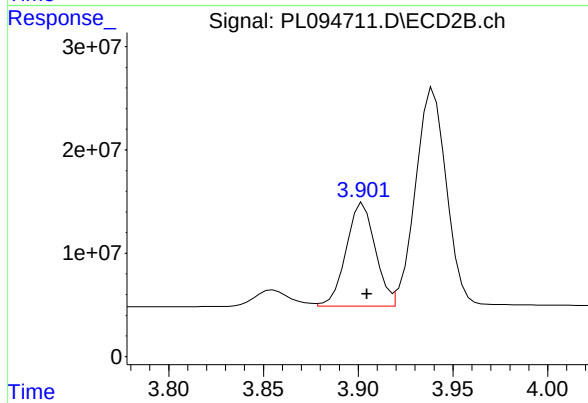
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 224461021
Conc: 46.03 ng/ml



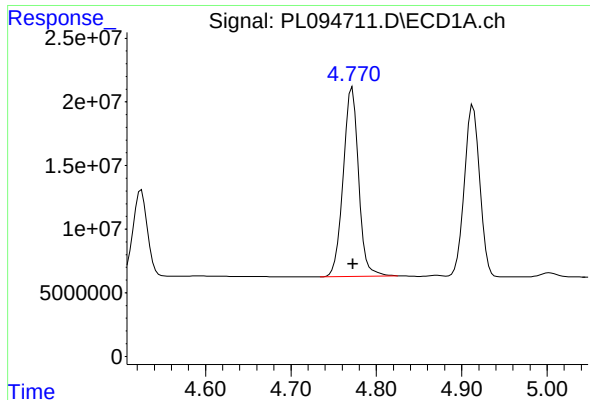
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 80708896
Conc: 43.74 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 106601874
Conc: 47.99 ng/ml



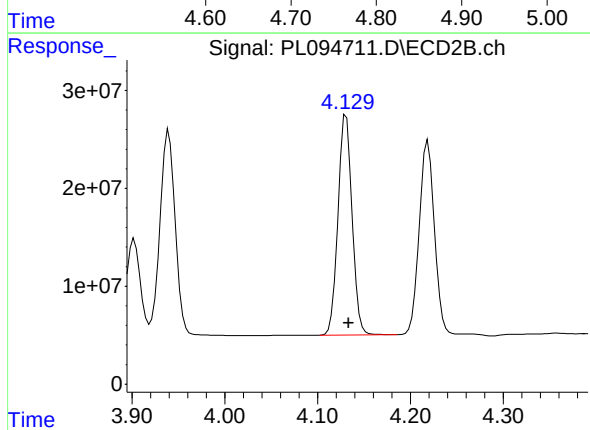
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 185357911
Conc: 47.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

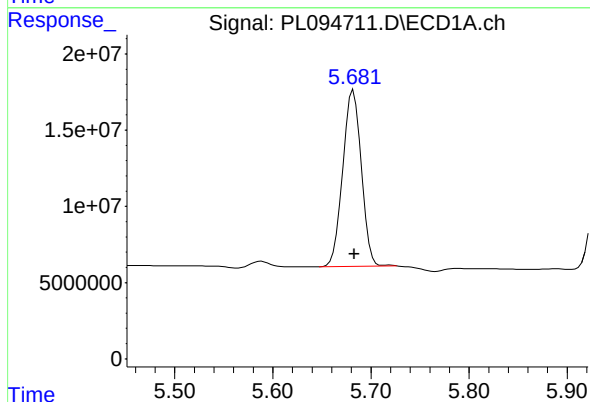
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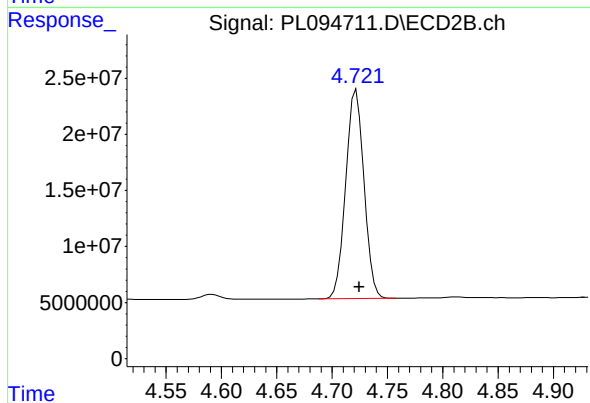
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 237732674
Conc: 47.53 ng/ml



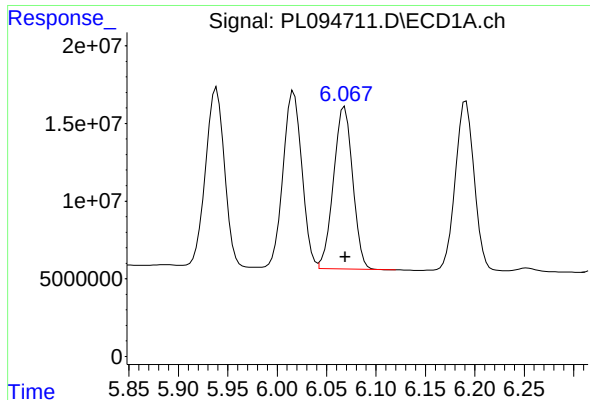
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 152457030
Conc: 45.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.004 min
Response: 214826114
Conc: 46.92 ng/ml m



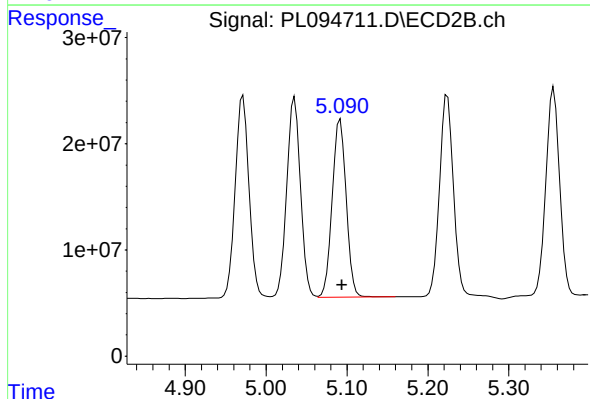
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 140510529
Conc: 45.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

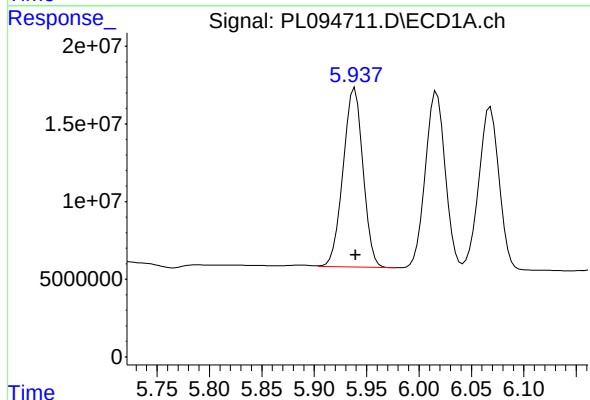
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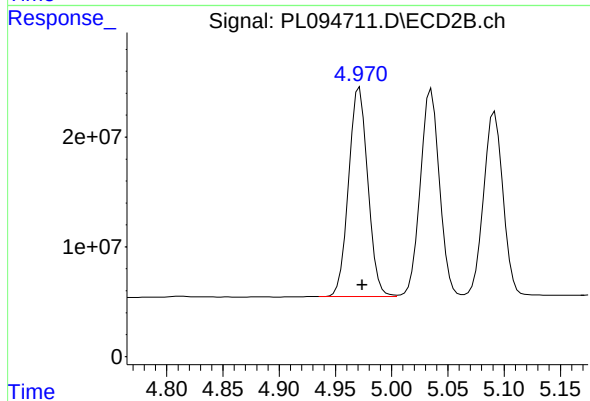
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 201314922
Conc: 45.87 ng/ml



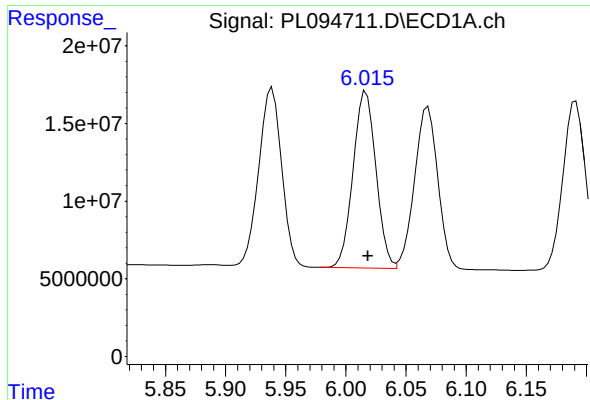
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 153185241
Conc: 45.46 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 226987310
Conc: 47.01 ng/ml m



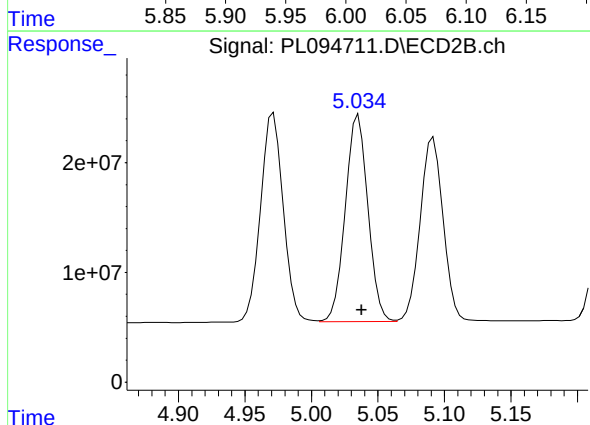
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.002 min
Response: 150983568
Conc: 45.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

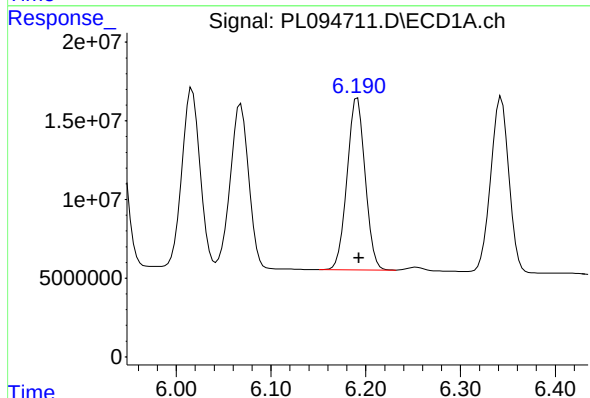
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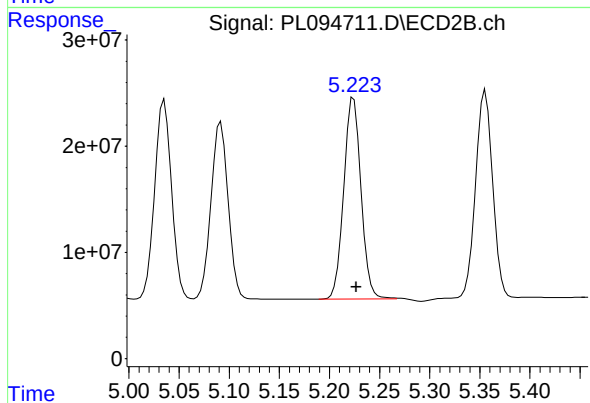
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 223225760
Conc: 46.77 ng/ml



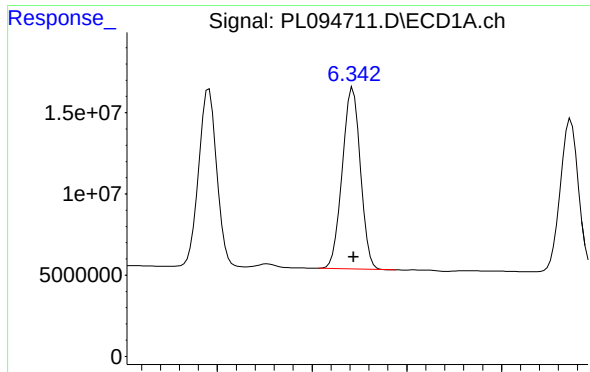
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 144726717
Conc: 49.19 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 226814784
Conc: 48.79 ng/ml m



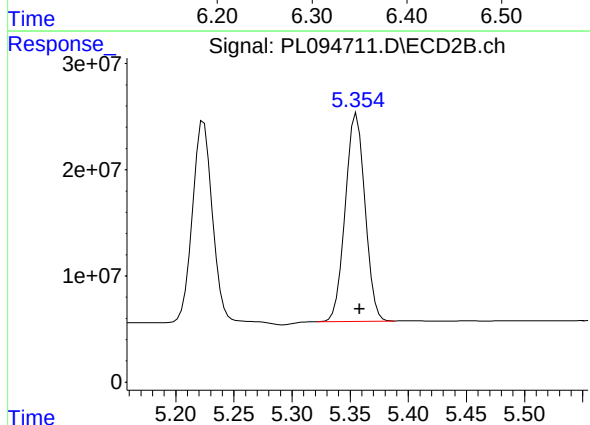
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 148363067
Conc: 46.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

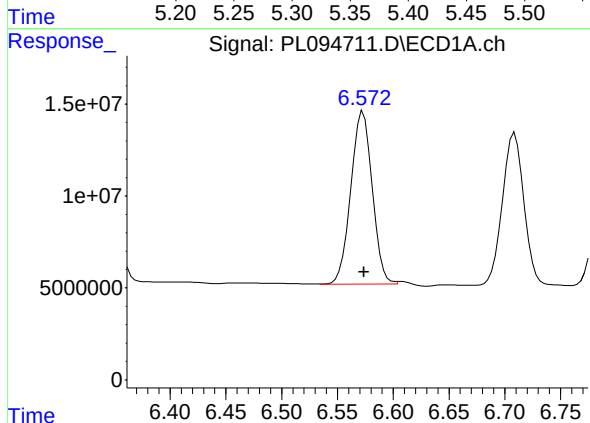
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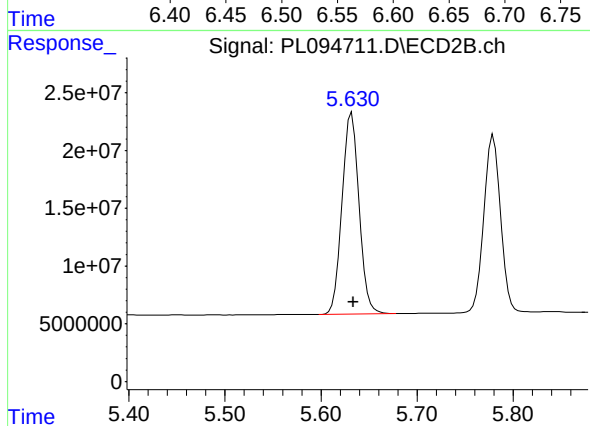
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 230519996
Conc: 47.51 ng/ml



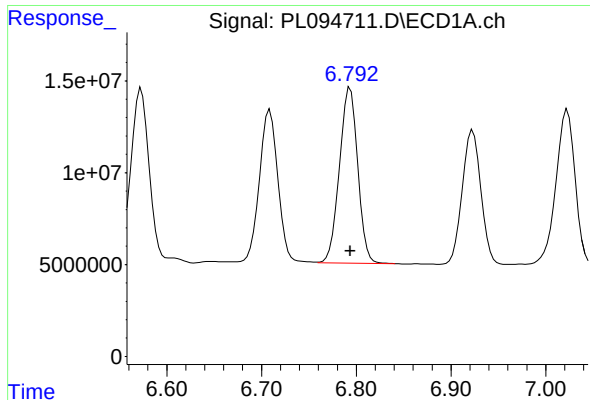
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.002 min
Response: 125655855
Conc: 45.33 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 213020965
Conc: 48.82 ng/ml



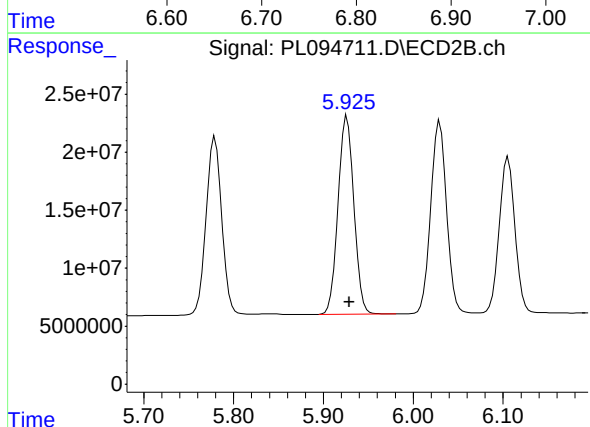
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 127843347
Conc: 47.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

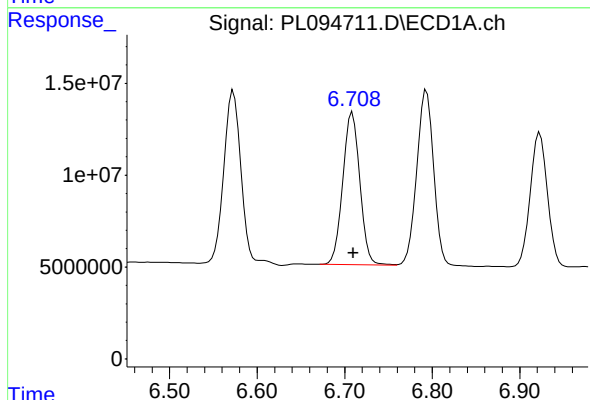
Manual Integrations
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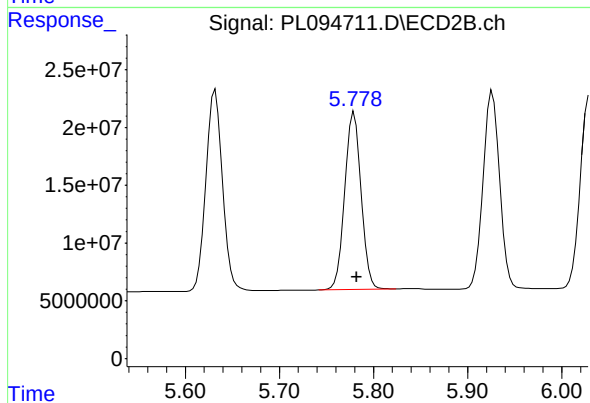
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 209436142
Conc: 48.39 ng/ml



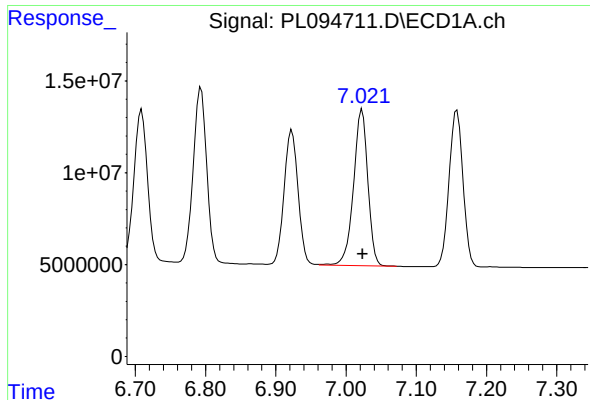
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 112400550
Conc: 51.89 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 185880748
Conc: 51.69 ng/ml



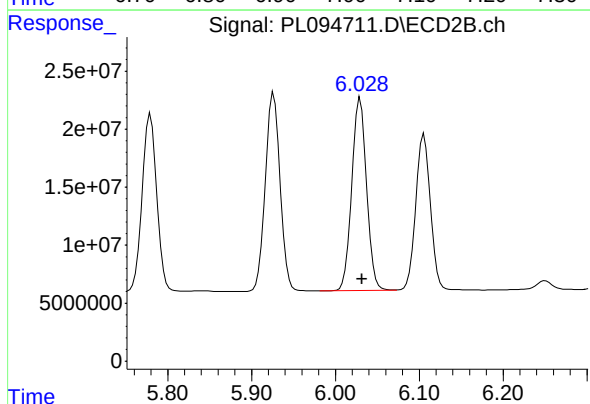
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.001 min
Response: 120690802
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

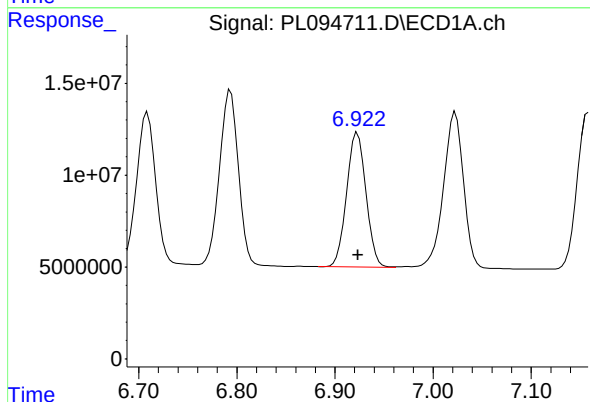
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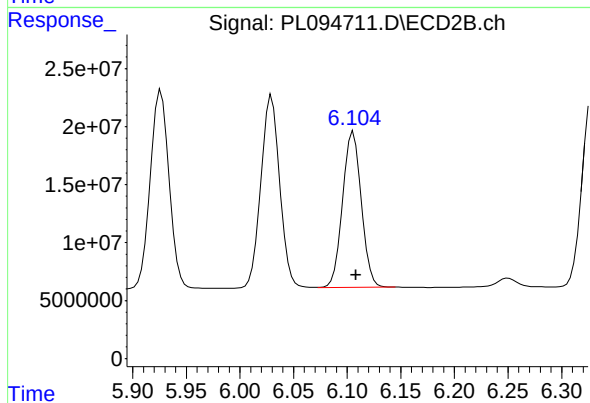
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.002 min
Response: 203328158
Conc: 50.43 ng/ml



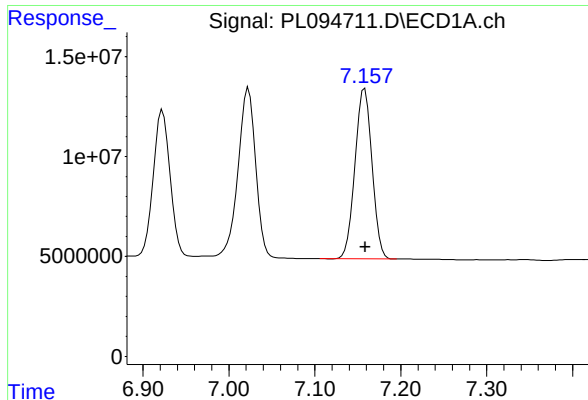
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 100448288
Conc: 47.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 163192354
Conc: 48.49 ng/ml



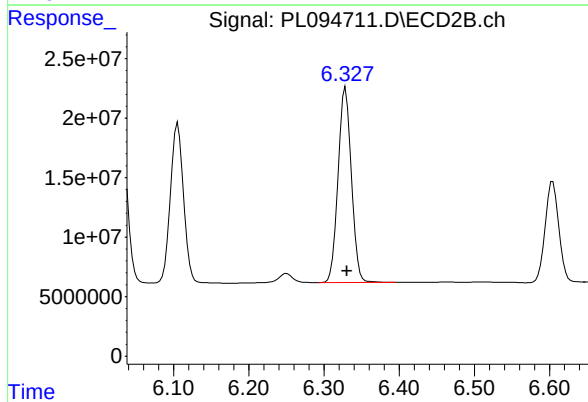
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 116931534
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

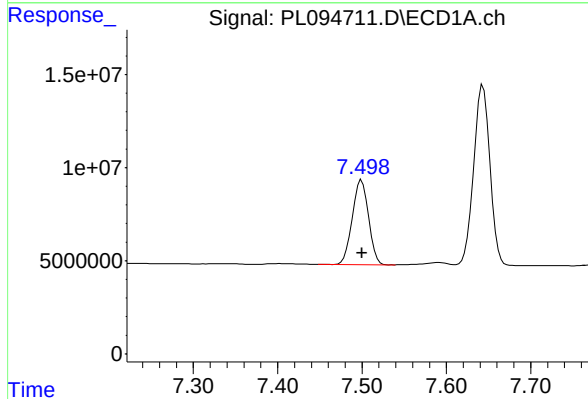
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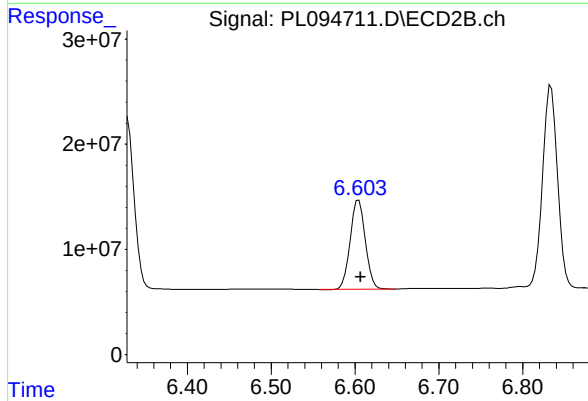
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.002 min
Response: 202613542
Conc: 49.74 ng/ml



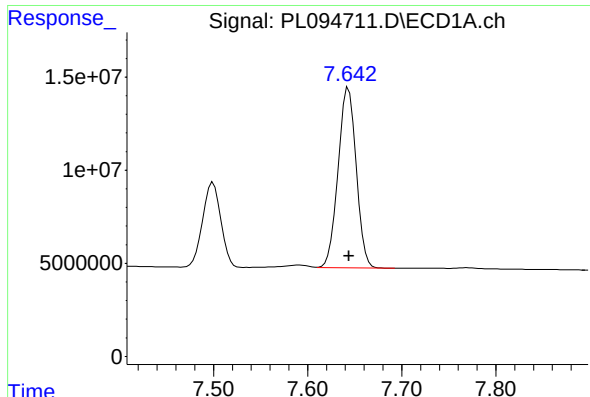
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 61132142
Conc: 51.07 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.002 min
Response: 106343956
Conc: 50.14 ng/ml



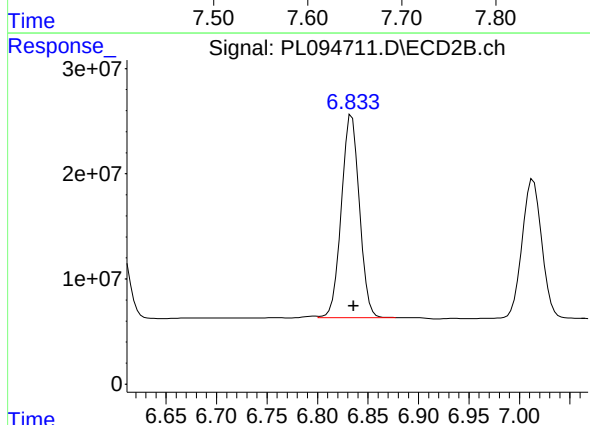
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 129713386
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

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#21 Endrin ketone

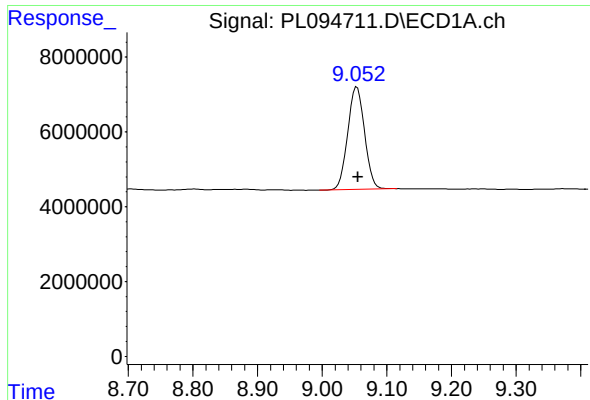
R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 239439114
Conc: 50.17 ng/ml m

#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 98928622
Conc: 47.88 ng/ml

#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.002 min
Response: 180563322
Conc: 47.58 ng/ml



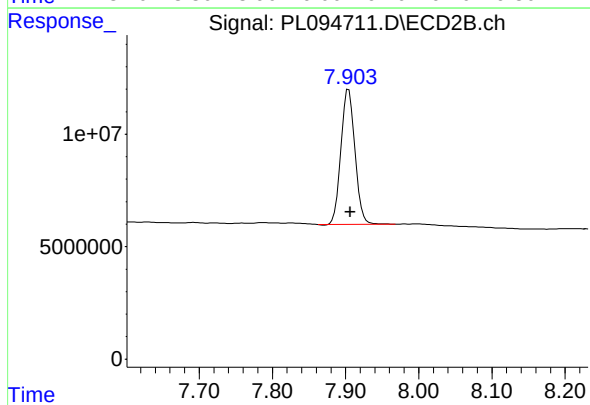
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 49607338
Conc: 23.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167155BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 80437367
Conc: 19.91 ng/ml