

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095062.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 16:27
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167473BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:20:31 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	2.769	49646714	64270563	17.539	18.007
28) SA Decachlor...	9.056	7.902	42685760	77718162	20.255	19.240
Target Compounds						
2) A alpha-BHC	3.995	3.270	187.3E6	275.6E6	45.101	51.116
3) MA gamma-BHC...	4.328	3.600	179.0E6	253.9E6	44.847	49.397
4) MA Heptachlor	4.915	3.938	171.8E6	246.2E6	44.249	46.731
5) MB Aldrin	5.257	4.217	167.6E6	231.4E6	45.399	47.452
6) B beta-BHC	4.527	3.901	82390217	111.1E6	44.651	50.022
7) B delta-BHC	4.774	4.129	192.1E6	241.4E6	49.329	48.268
8) B Heptachlo...	5.683	4.720	155.9E6	221.1E6	46.602	48.283
9) A Endosulfan I	6.069	5.089	149.0E6	214.4E6	48.530	48.843
10) B gamma-Chl...	5.940	4.969	161.1E6	233.2E6	47.812	48.304
11) B alpha-Chl...	6.019	5.033	159.2E6	229.9E6	48.279	48.159
12) B 4,4'-DDE	6.193	5.221	158.9E6	235.2E6	54.027	50.599
13) MA Dieldrin	6.345	5.353	158.8E6	236.4E6	49.655	48.725
14) MA Endrin	6.574	5.627	123.0E6	206.3E6	44.355	47.283m
15) B Endosulfa...	6.794	5.924	135.1E6	217.7E6	49.762	50.307
16) A 4,4'-DDD	6.711	5.777	124.3E6	199.9E6	57.370	55.587
17) MA 4,4'-DDT	7.024	6.026	120.7E6	202.9E6	50.751	50.309
18) B Endrin al...	6.924	6.103	104.7E6	170.8E6	49.583	50.753
19) B Endosulfa...	7.159	6.326	119.8E6	210.3E6	49.266	51.621
20) A Methoxychlor	7.501	6.602	60154582	109.0E6	50.251	51.405
21) B Endrin ke...	7.644	6.830	137.2E6	255.4E6	51.889	53.511m
22) Mirex	8.117	7.009	96605284	184.7E6	46.753	48.654m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 16:27
Operator : AR\AJ
Sample : PB167473BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167473BS

Manual Integrations

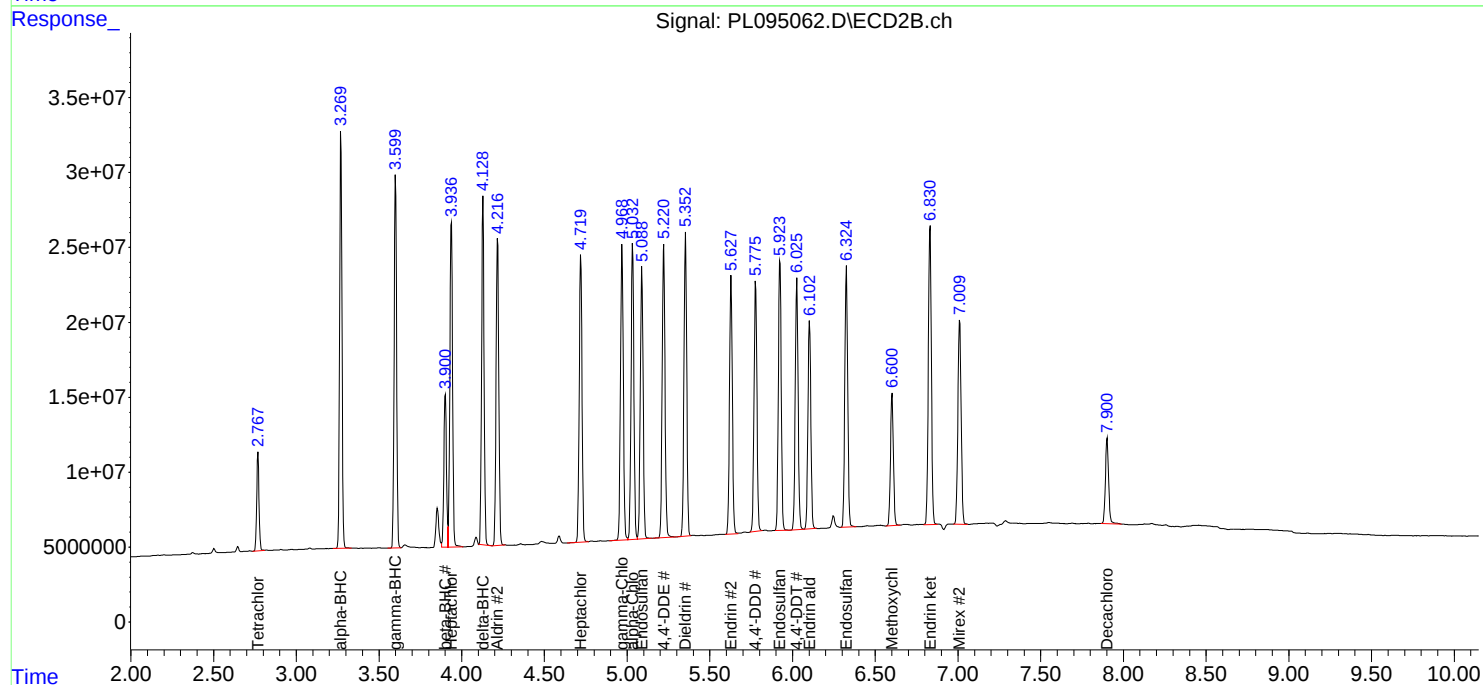
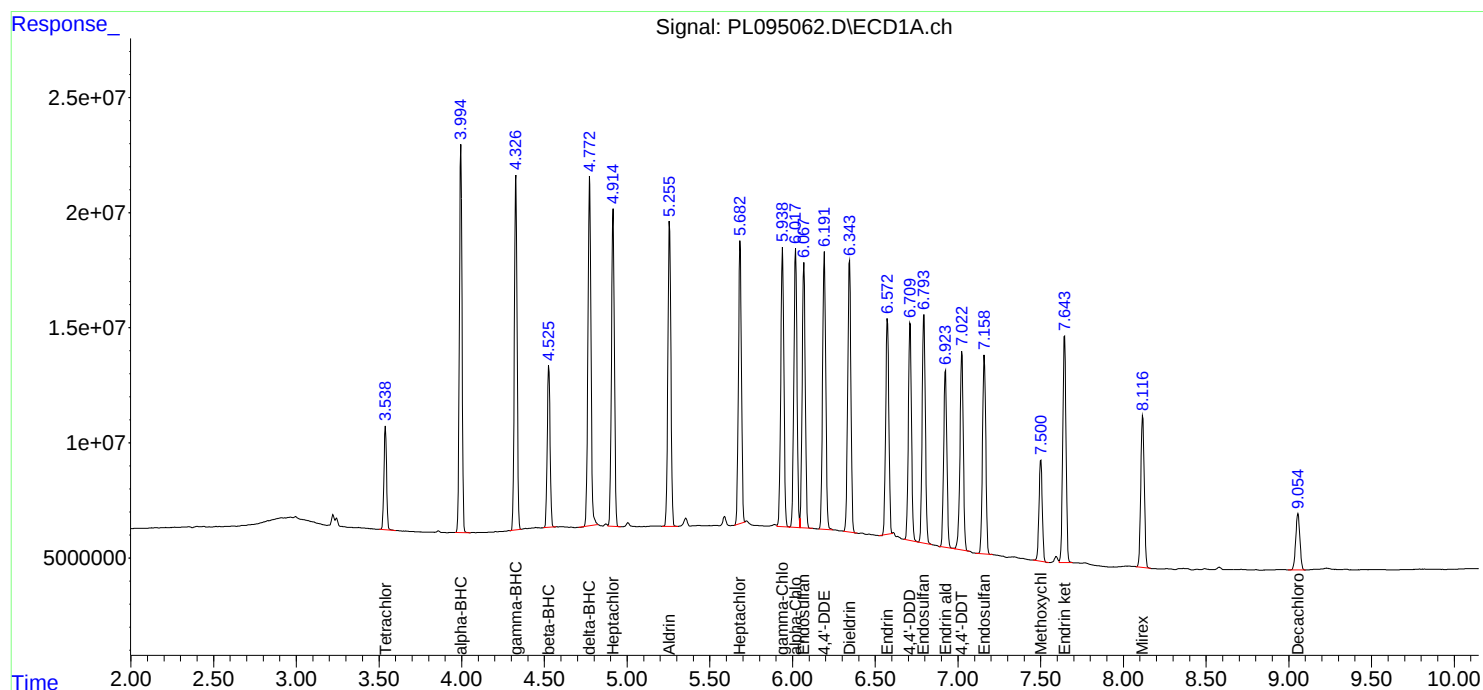
APPROVED

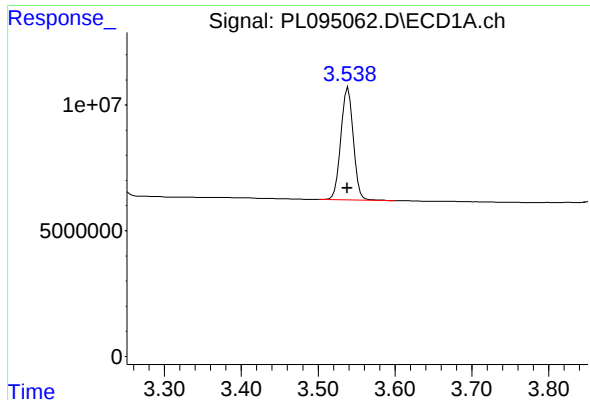
Reviewed By :Abdul Mirza 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:20:31 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





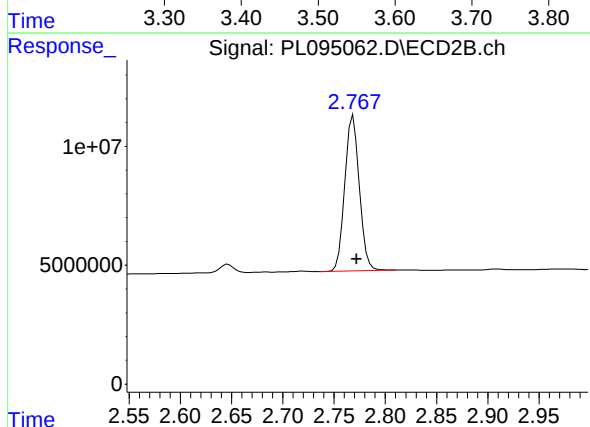
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 49646714
Conc: 17.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

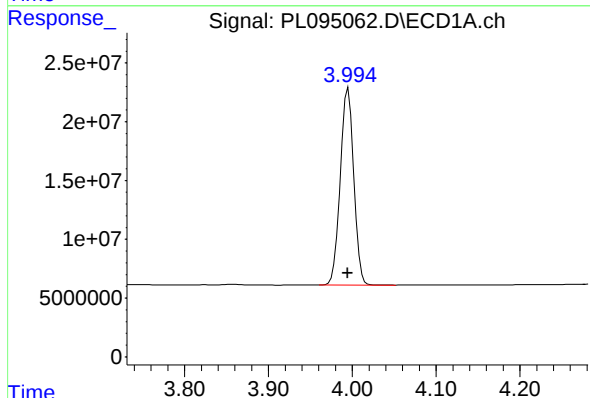
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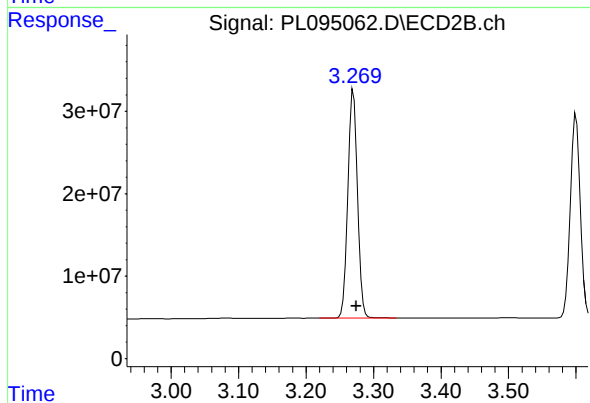
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 64270563
Conc: 18.01 ng/ml



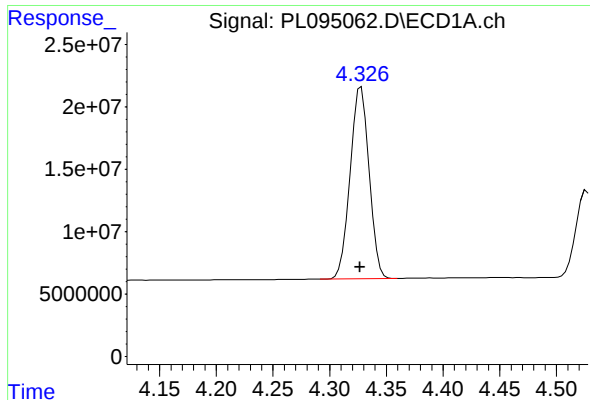
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 187275273
Conc: 45.10 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 275582825
Conc: 51.12 ng/ml



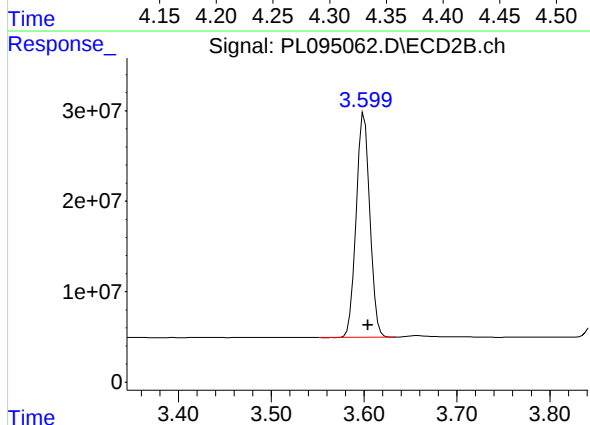
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 178953492
Conc: 44.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

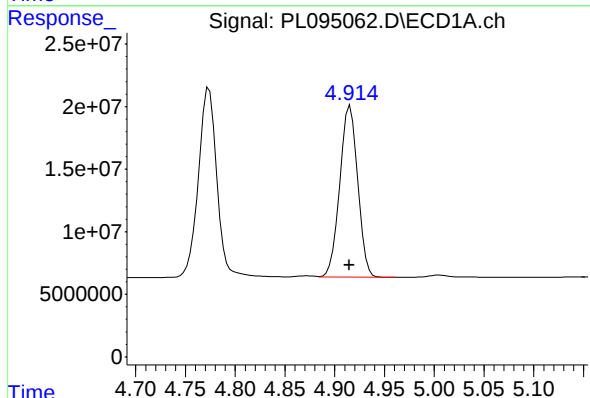
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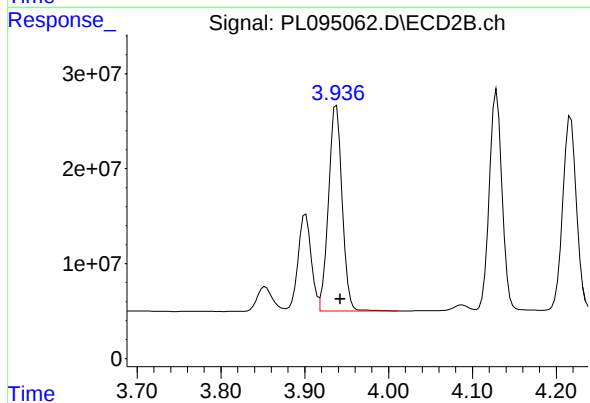
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 253871437
Conc: 49.40 ng/ml



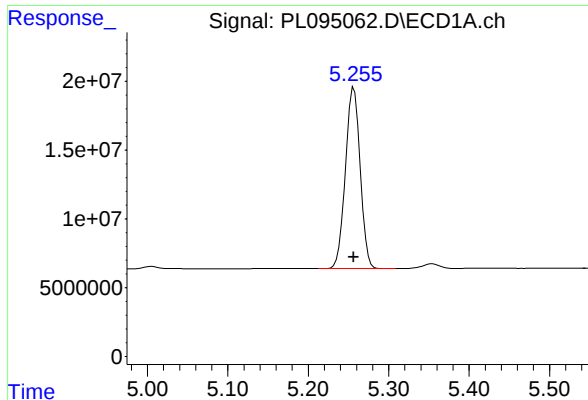
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 171758672
Conc: 44.25 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 246209749
Conc: 46.73 ng/ml



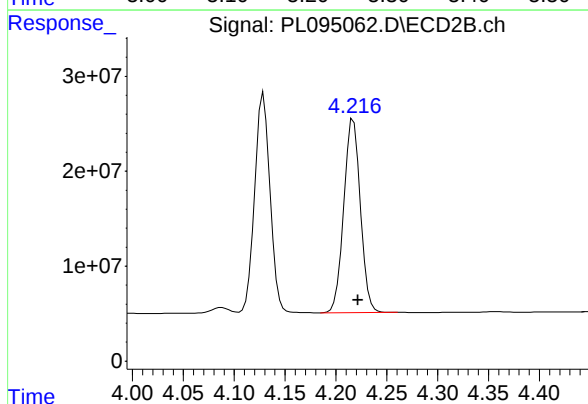
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 167621590
Conc: 45.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

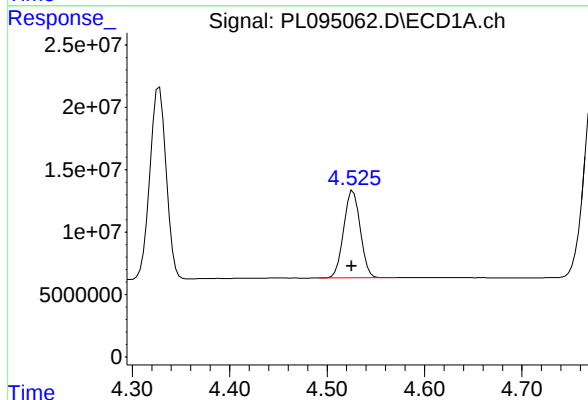
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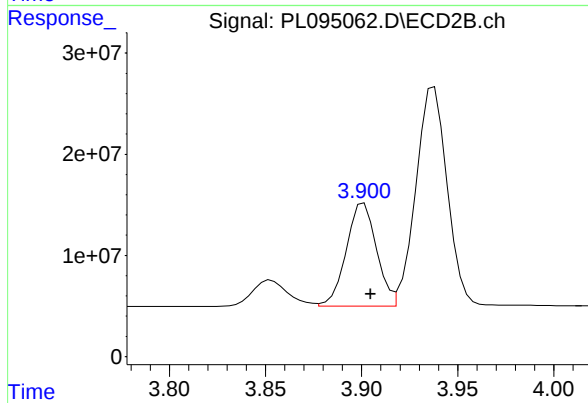
#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.005 min
Response: 231394399
Conc: 47.45 ng/ml



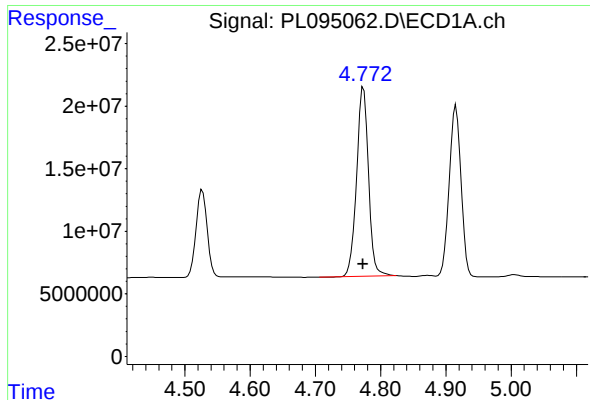
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.001 min
Response: 82390217
Conc: 44.65 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 111113006
Conc: 50.02 ng/ml



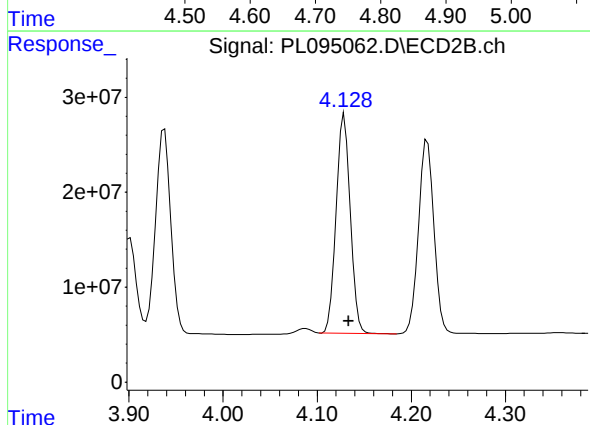
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.001 min
Response: 192101128
Conc: 49.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

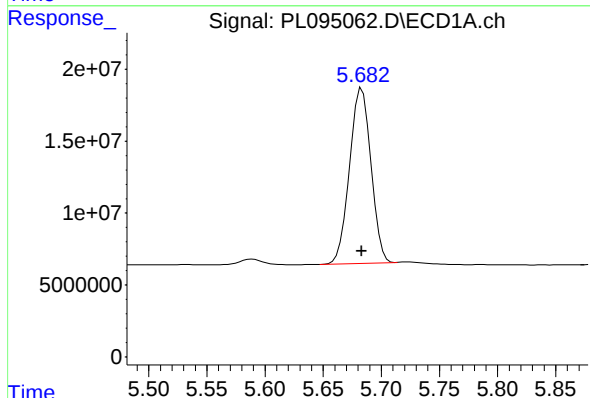
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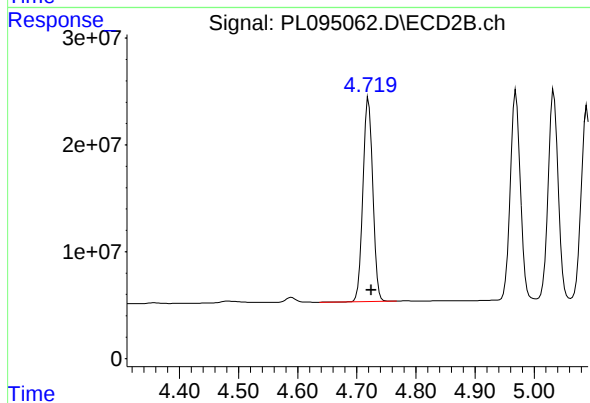
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.004 min
Response: 241436968
Conc: 48.27 ng/ml



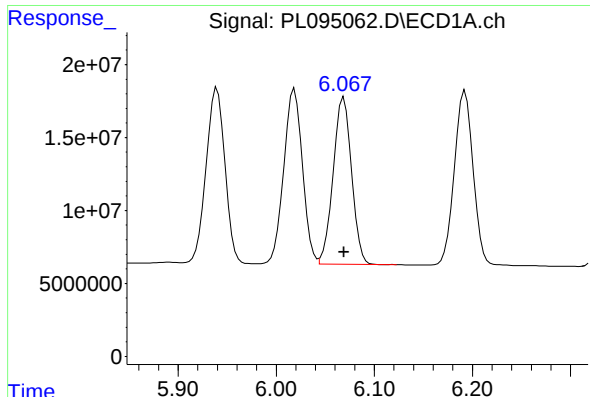
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 155893629
Conc: 46.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 221066901
Conc: 48.28 ng/ml



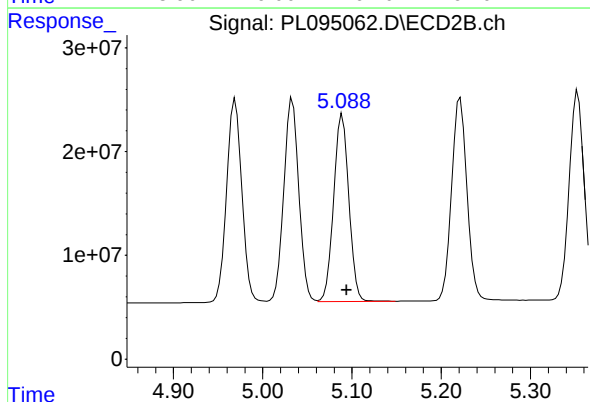
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 148997093
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

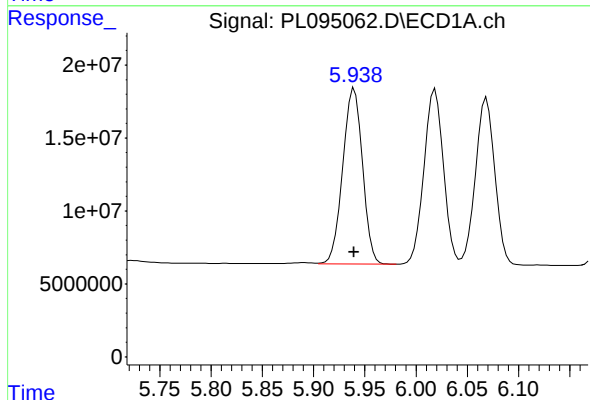
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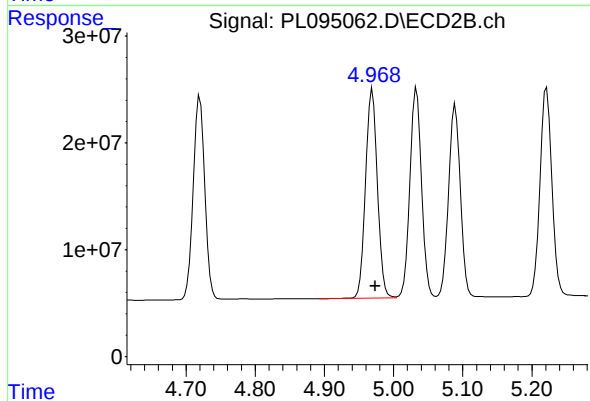
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 214360298
Conc: 48.84 ng/ml



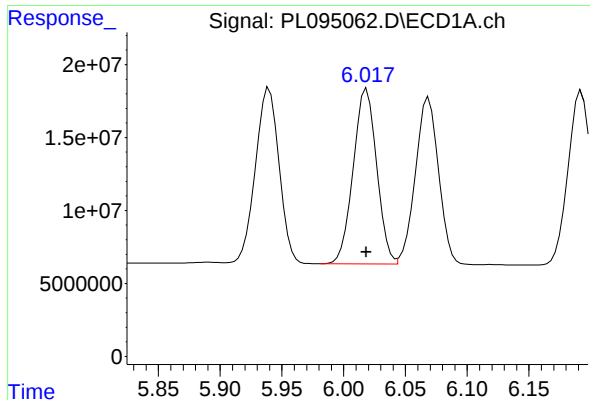
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 161096669
Conc: 47.81 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 233234230
Conc: 48.30 ng/ml



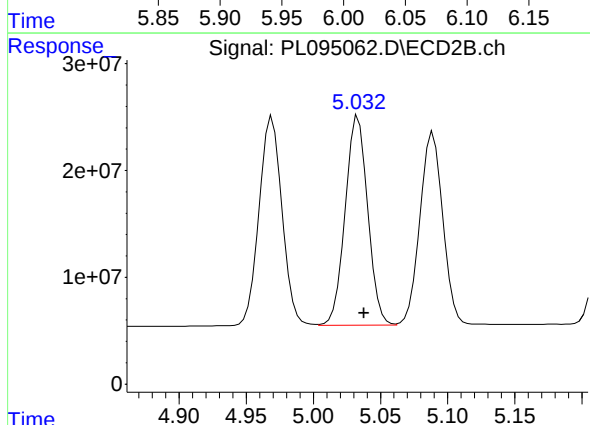
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 159167508
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

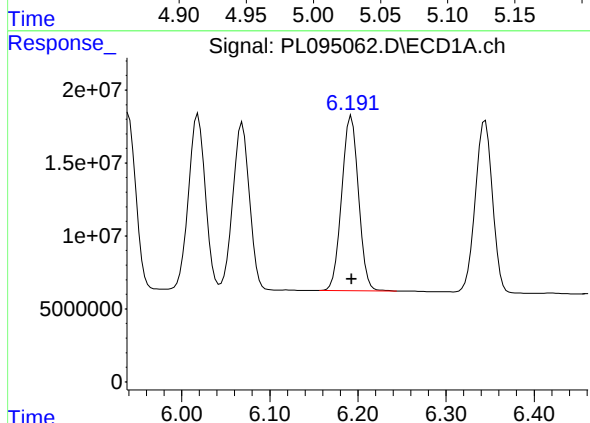
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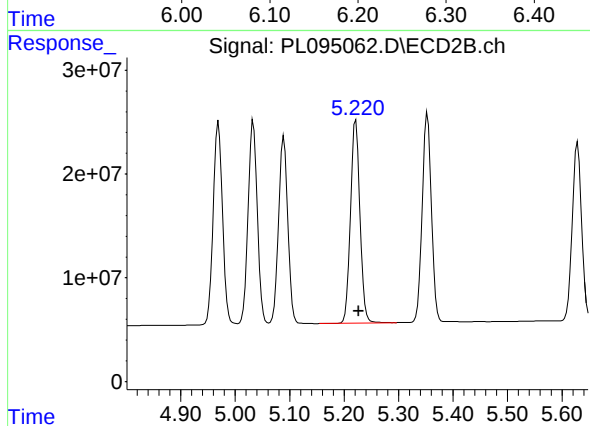
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.004 min
Response: 229852318
Conc: 48.16 ng/ml



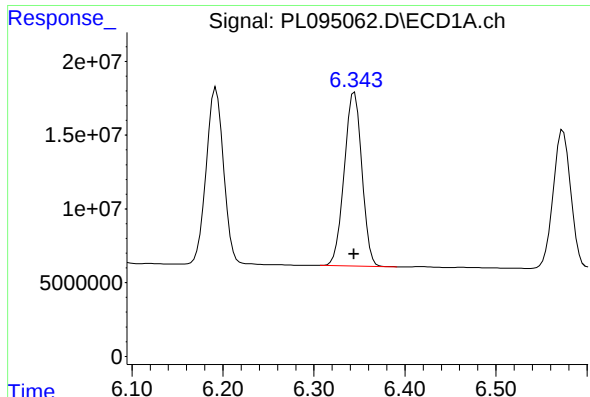
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 158949608
Conc: 54.03 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 235209727
Conc: 50.60 ng/ml



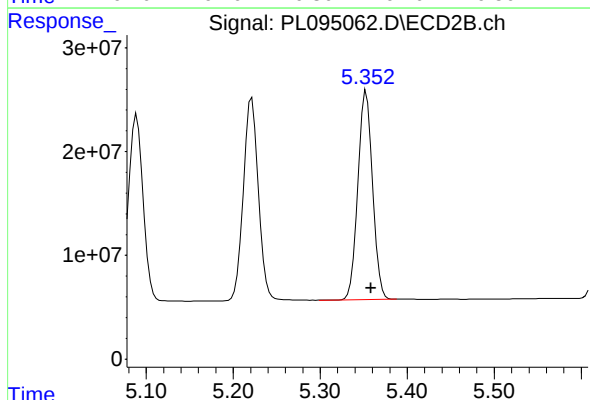
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 158803143
Conc: 49.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

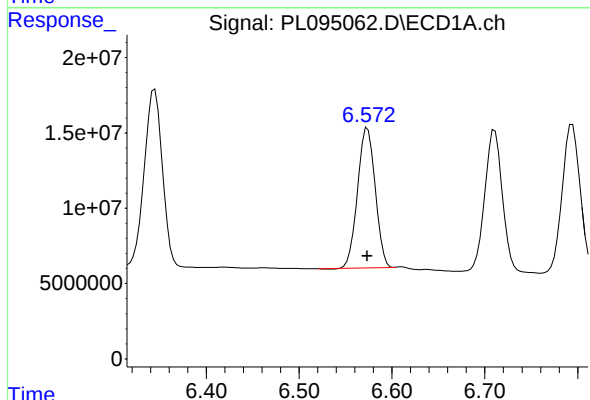
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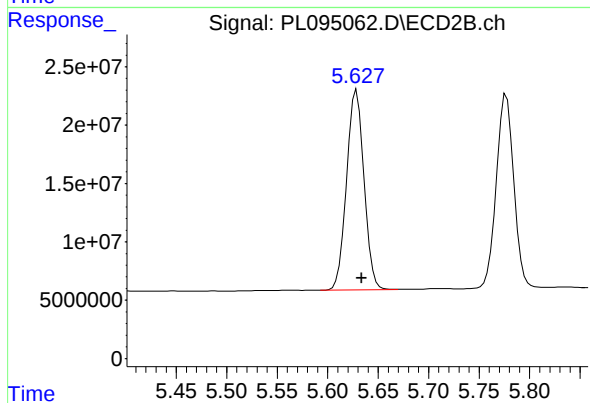
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.005 min
Response: 236406492
Conc: 48.73 ng/ml



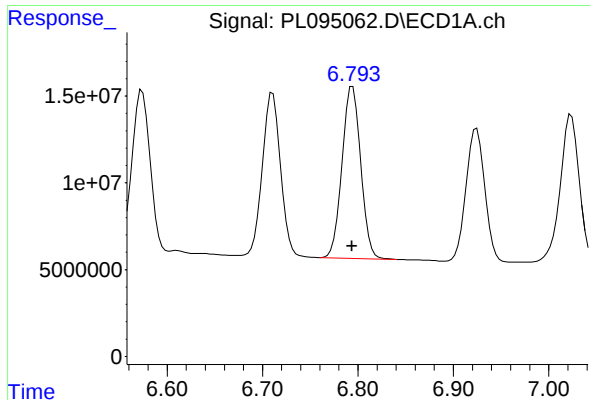
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 122955595
Conc: 44.36 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 206327835
Conc: 47.28 ng/ml m



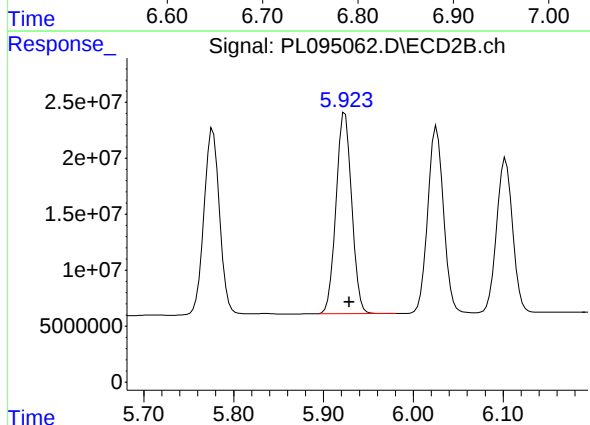
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 135090527
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

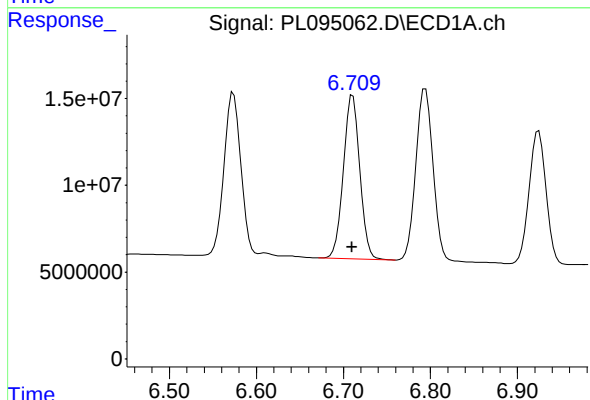
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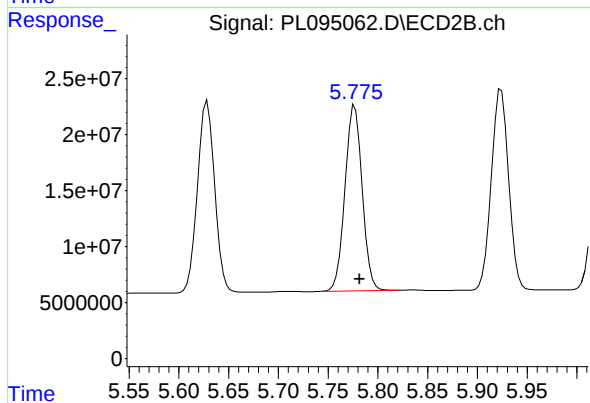
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 217742632
Conc: 50.31 ng/ml



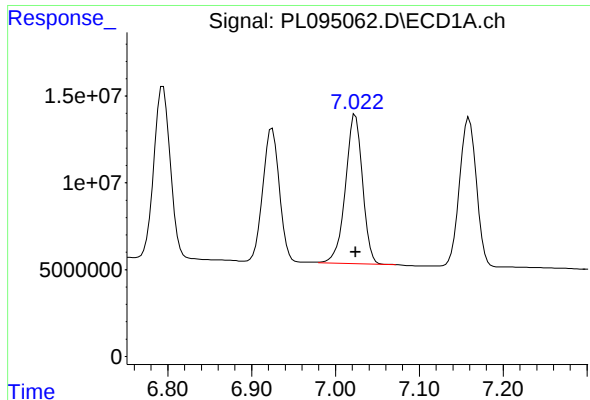
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 124266656
Conc: 57.37 ng/ml



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 199884474
Conc: 55.59 ng/ml



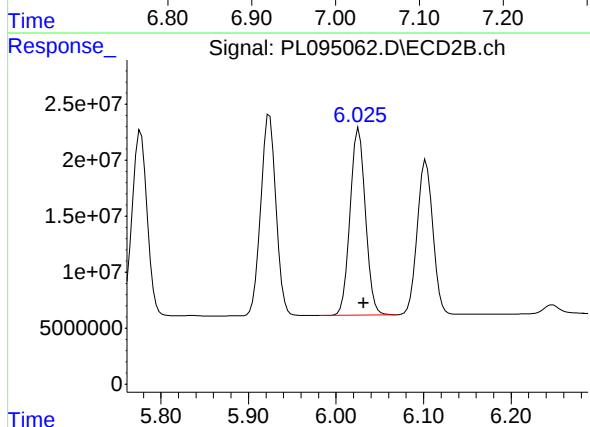
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 120713673
Conc: 50.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

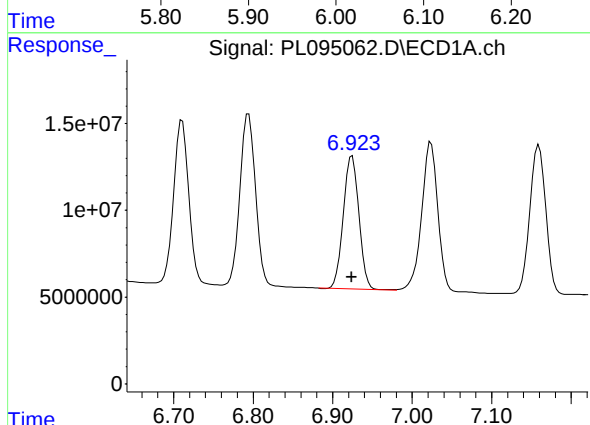
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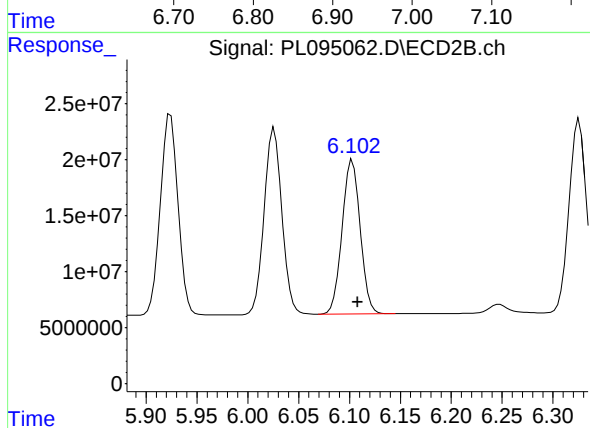
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 202853219
Conc: 50.31 ng/ml



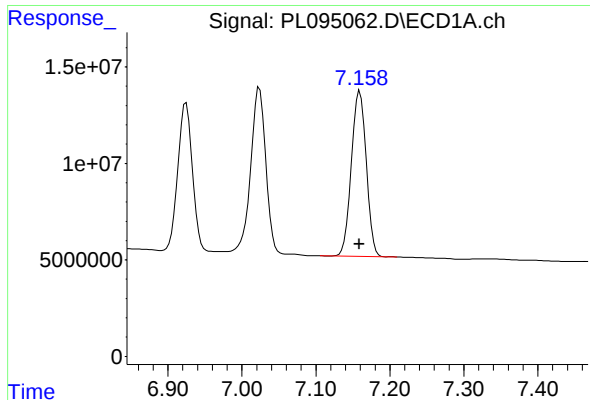
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 104669837
Conc: 49.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 170804155
Conc: 50.75 ng/ml



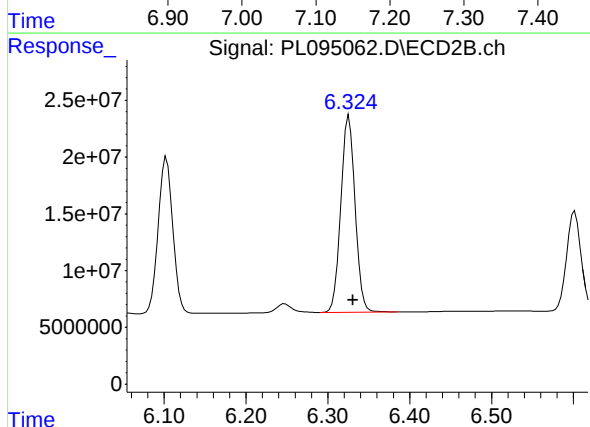
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 119816616
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

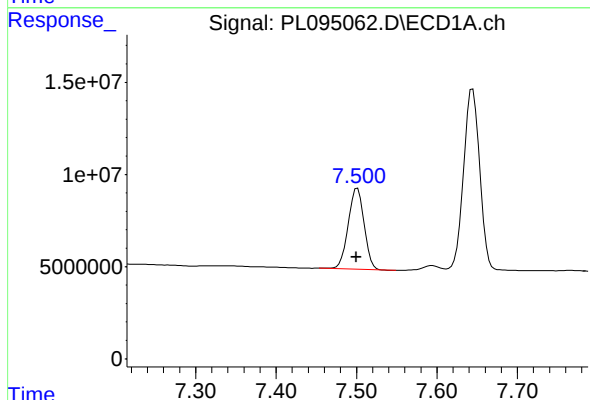
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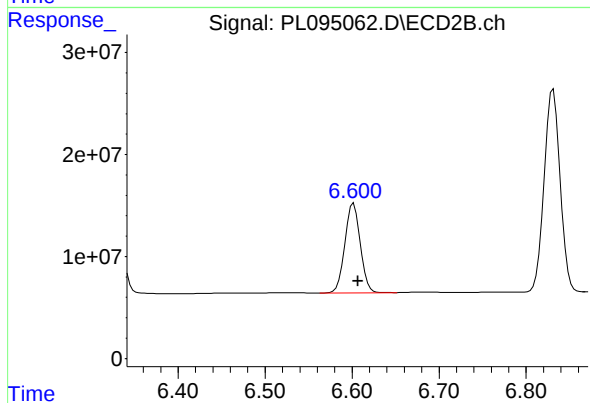
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 210273075
Conc: 51.62 ng/ml



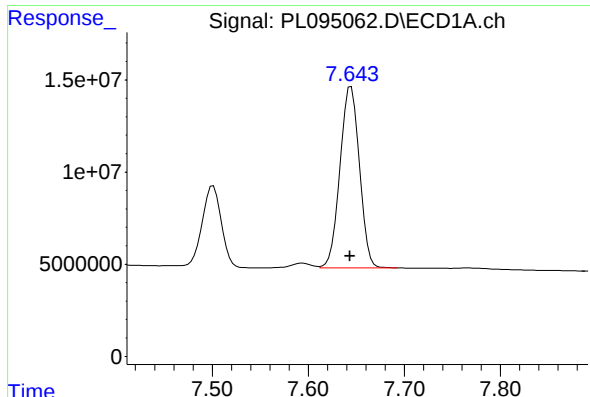
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.001 min
Response: 60154582
Conc: 50.25 ng/ml



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 109032799
Conc: 51.40 ng/ml



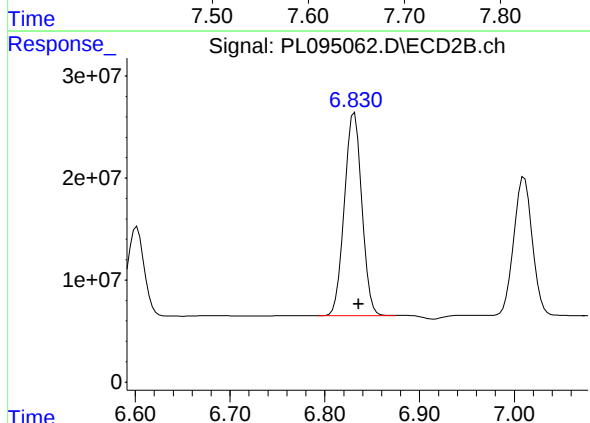
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 137157142
Conc: 51.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

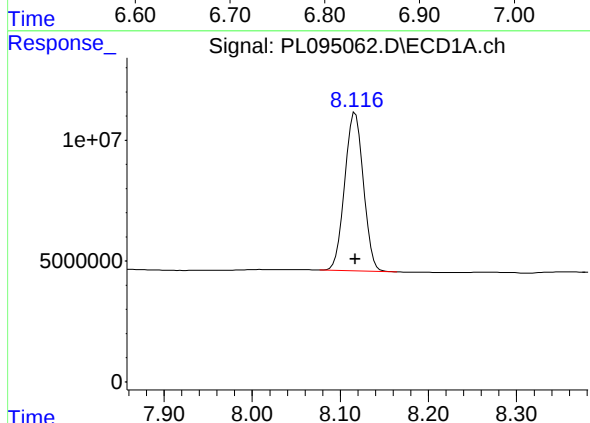
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



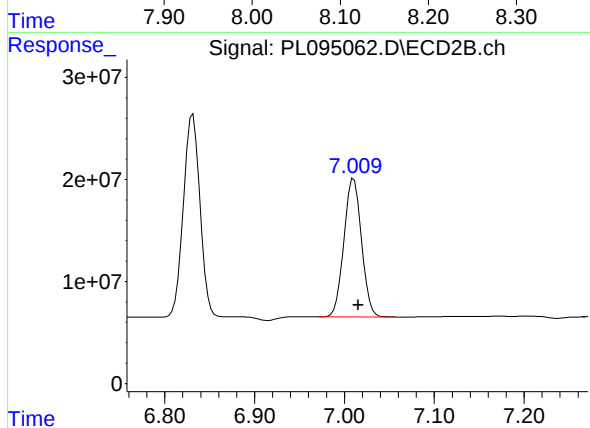
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 255384683
Conc: 53.51 ng/ml m



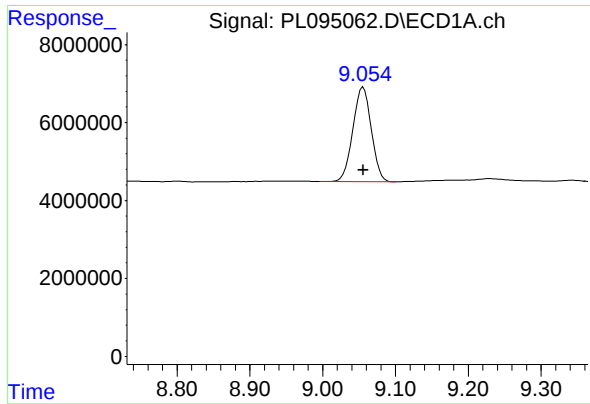
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 96605284
Conc: 46.75 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.007 min
Response: 184655446
Conc: 48.65 ng/ml m



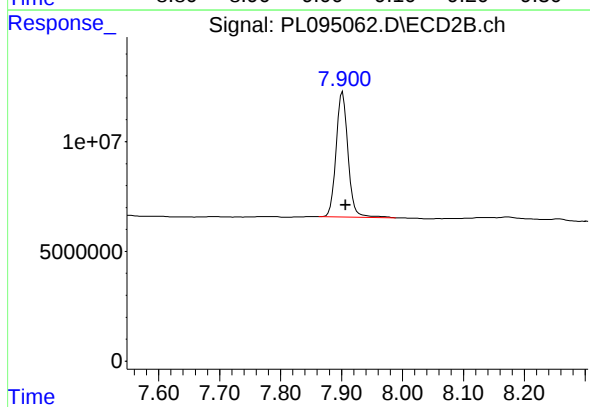
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 42685760
Conc: 20.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 77718162
Conc: 19.24 ng/ml