

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094740.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 16:40
 Operator : AR\AJ
 Sample : PB167215BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167215BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/20/2025
 Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:04:58 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	60087617	80695148	21.227	22.608
28)	SA Decachlor...	9.054	7.904	48219387	75520531	22.880	18.696
Target Compounds							
2)	A alpha-BHC	3.993	3.272	200.0E6	285.8E6	48.177	53.012
3)	MA gamma-BHC...	4.325	3.602	191.9E6	269.8E6	48.097	52.497
4)	MA Heptachlor	4.913	3.940	175.9E6	258.9E6	45.322	49.130
5)	MB Aldrin	5.255	4.219	174.9E6	253.7E6	47.383	52.018
6)	B beta-BHC	4.524	3.902	88447955	119.5E6	47.934	53.807
7)	B delta-BHC	4.772	4.131	204.1E6	270.8E6	52.414	54.143
8)	B Heptachlo...	5.682	4.720	161.8E6	239.2E6	48.355	52.234m
9)	A Endosulfan I	6.068	5.091	150.9E6	229.1E6	49.155	52.191
10)	B gamma-Chl...	5.938	4.971	164.6E6	250.8E6	48.862	51.952
11)	B alpha-Chl...	6.017	5.035	161.1E6	245.6E6	48.864	51.453
12)	B 4,4'-DDE	6.191	5.223	156.5E6	249.2E6	53.203	53.599
13)	MA Dieldrin	6.342	5.355	156.3E6	251.2E6	48.886	51.769
14)	MA Endrin	6.571	5.630	124.2E6	214.8E6	44.788m	49.230
15)	B Endosulfa...	6.793	5.926	133.3E6	223.5E6	49.096	51.630
16)	A 4,4'-DDD	6.708	5.778	120.3E6	207.9E6	55.520	57.805
17)	MA 4,4'-DDT	7.022	6.028	114.4E6	195.1E6	48.094	48.380
18)	B Endrin al...	6.923	6.104	102.8E6	171.2E6	48.707	50.878
19)	B Endosulfa...	7.158	6.328	119.6E6	212.6E6	49.162	52.190
20)	A Methoxychlor	7.498	6.603	57230208	100.7E6	47.808	47.465
21)	B Endrin ke...	7.643	6.831	134.7E6	245.0E6	50.972	51.344m
22)	Mirex	8.115	7.010	95476499	178.7E6	46.207	47.087m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 16:40
Operator : AR\AJ
Sample : PB167215BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167215BS

Manual Integrations

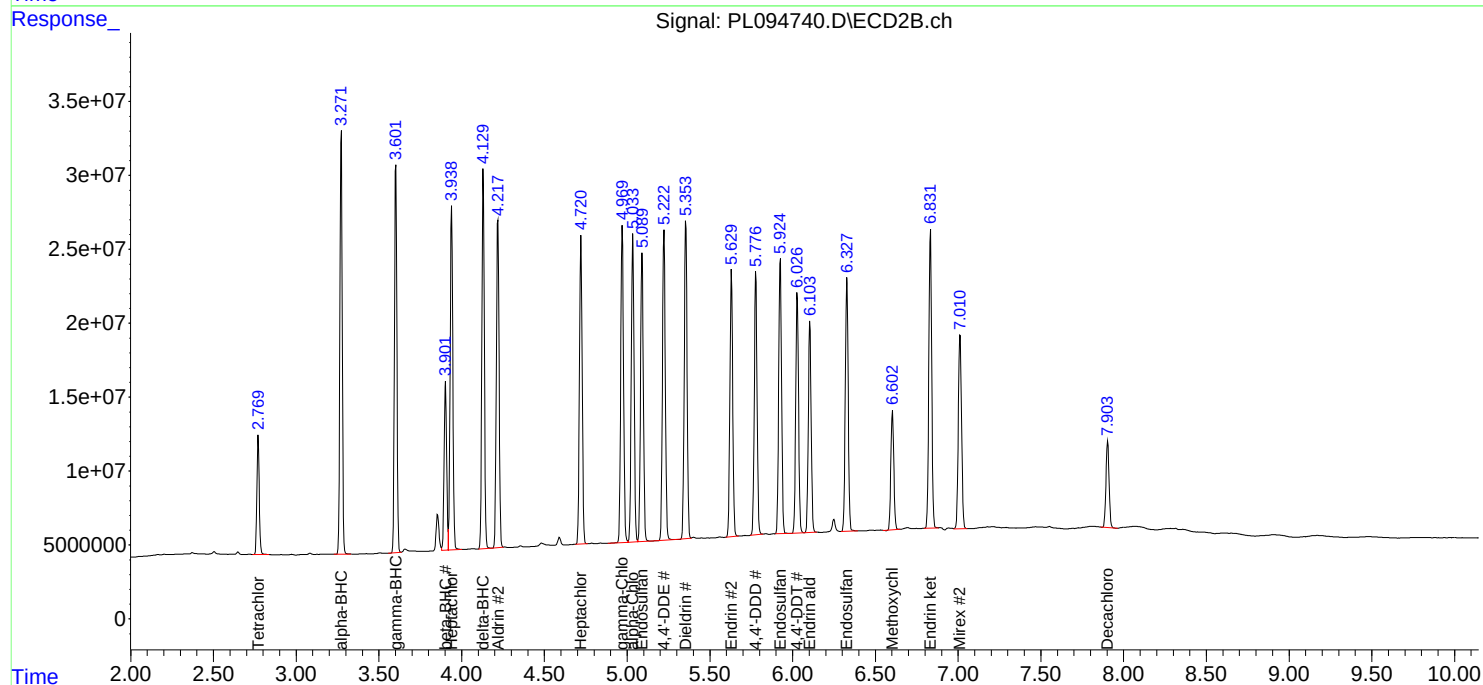
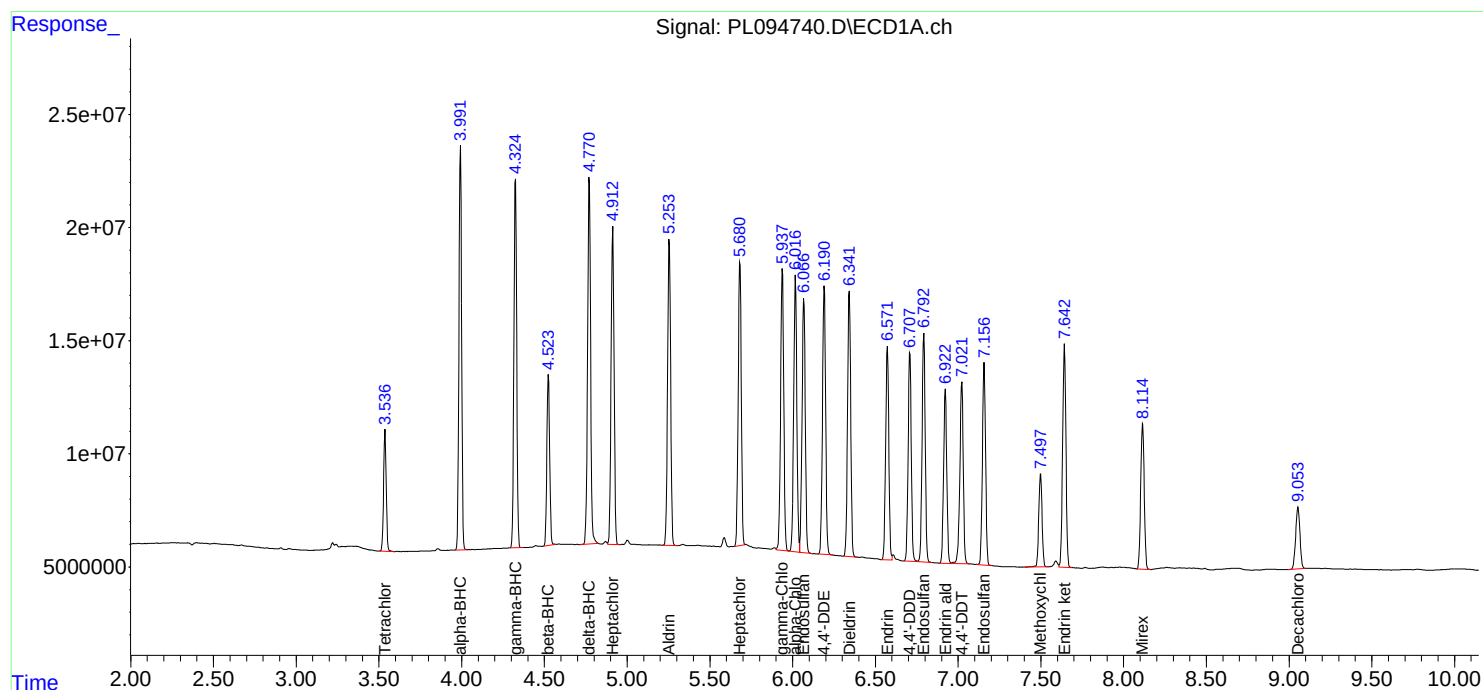
APPROVED

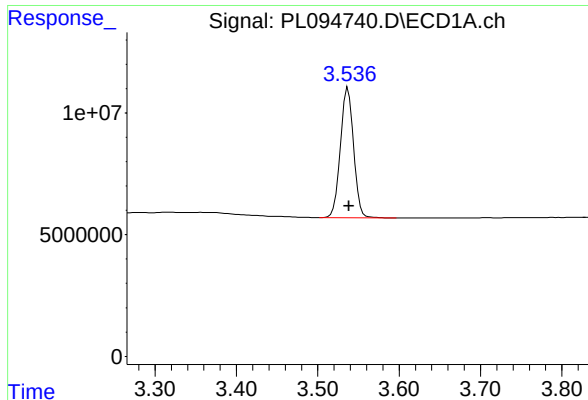
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:58 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





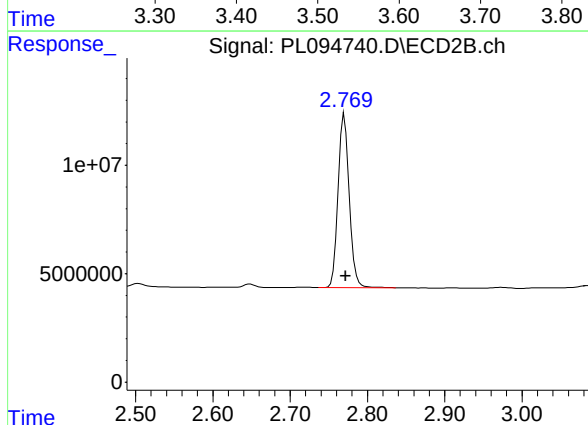
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 60087617
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

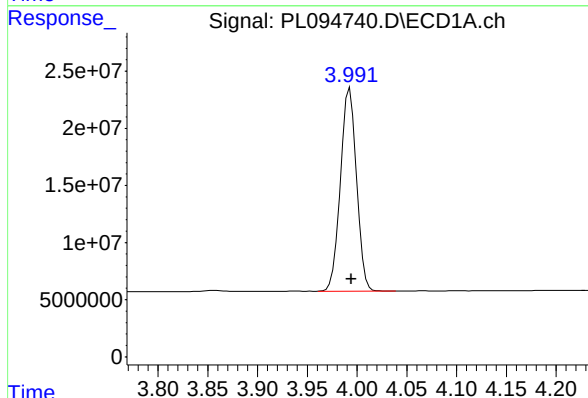
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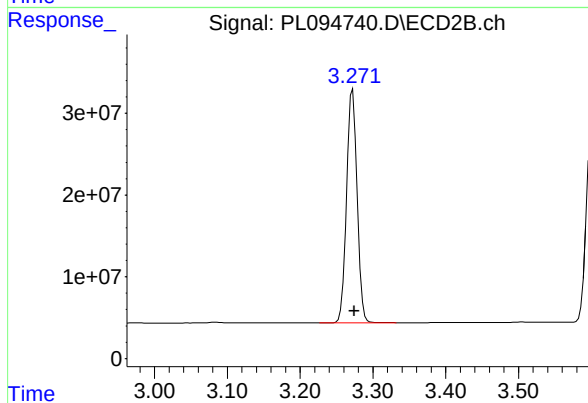
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 80695148
Conc: 22.61 ng/ml



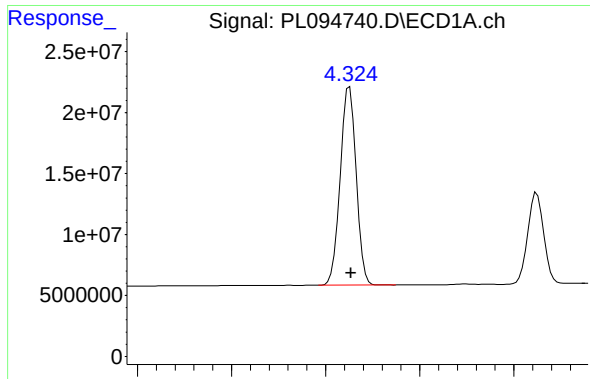
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 200046476
Conc: 48.18 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 285807402
Conc: 53.01 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 191918045
Conc: 48.10 ng/ml

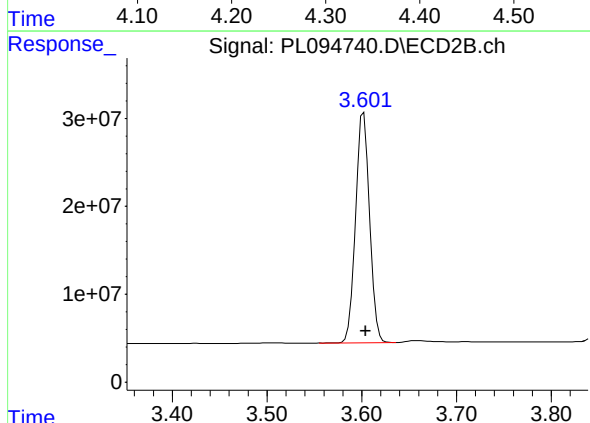
Instrument :

ECD_L

ClientSampleId :
PB167215BS

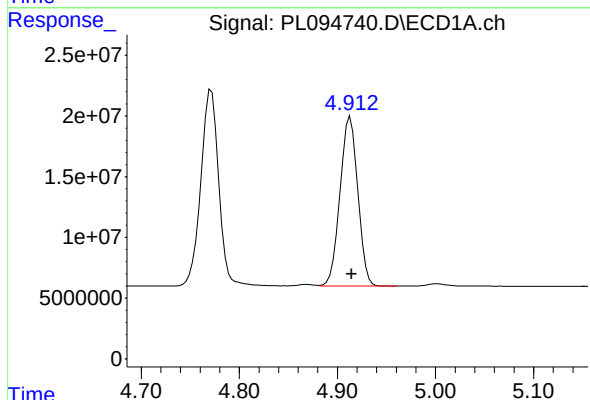
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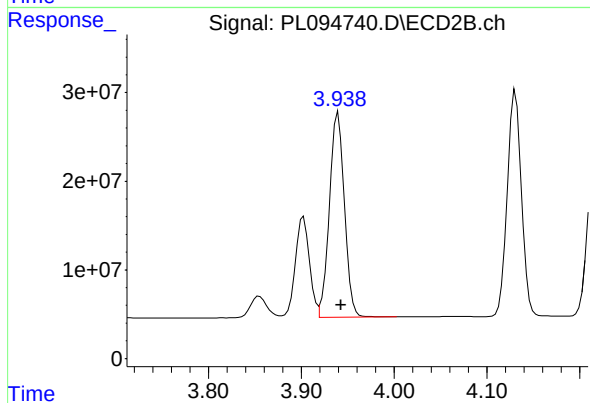
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 269807394
Conc: 52.50 ng/ml



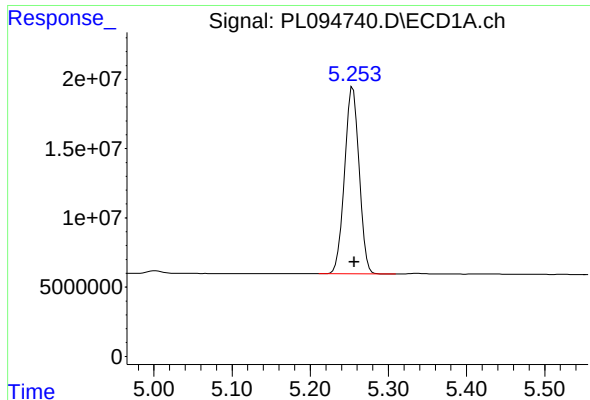
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 175924337
Conc: 45.32 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 258851172
Conc: 49.13 ng/ml



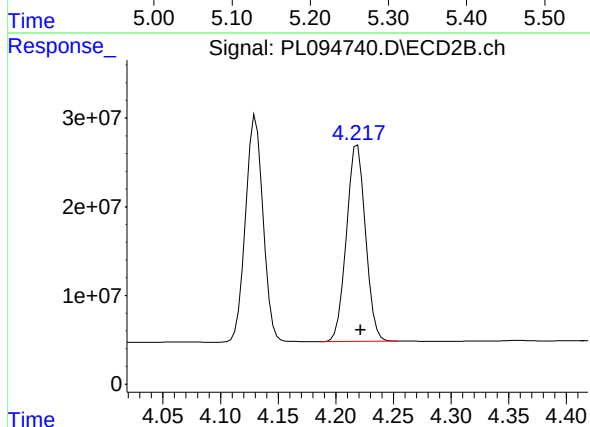
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.002 min
Response: 174947844
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

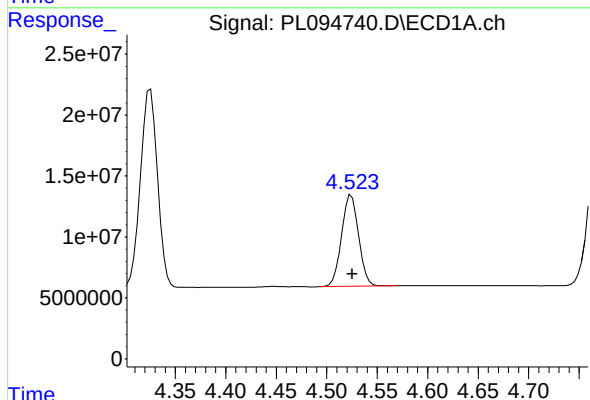
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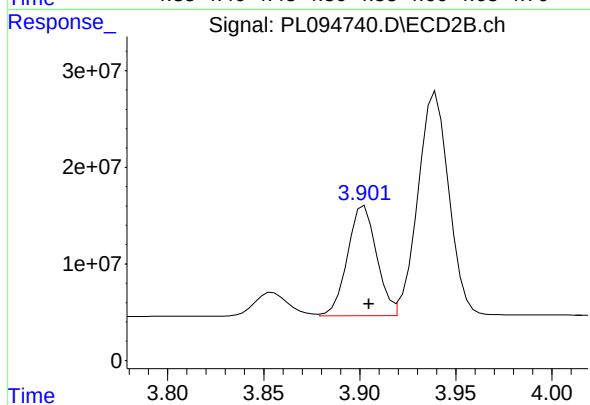
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 253656074
Conc: 52.02 ng/ml



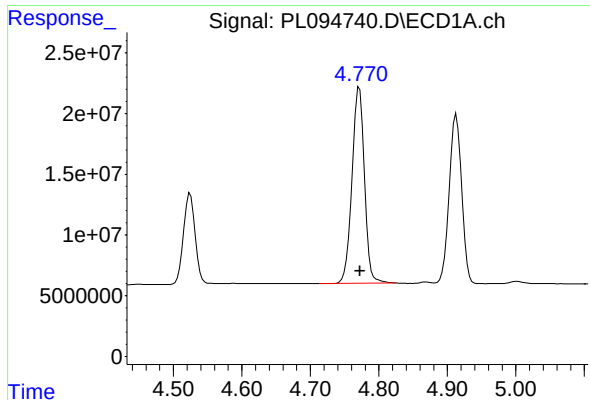
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 88447955
Conc: 47.93 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 119520735
Conc: 53.81 ng/ml



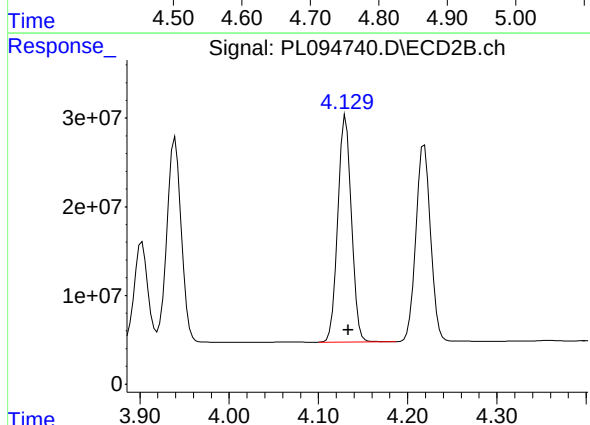
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: -0.001 min
Response: 204116328
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

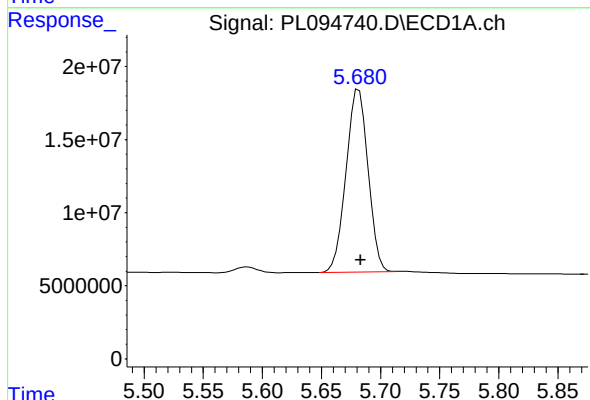
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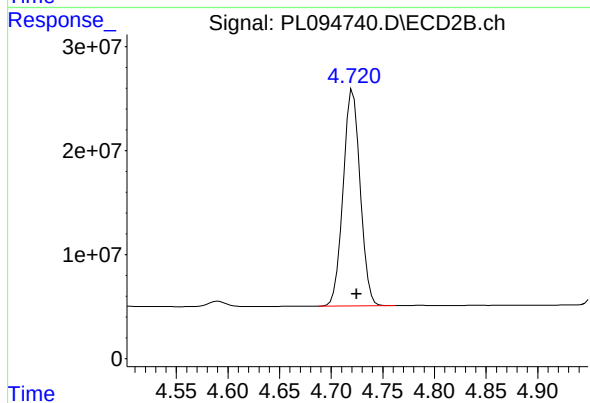
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 270823213
Conc: 54.14 ng/ml



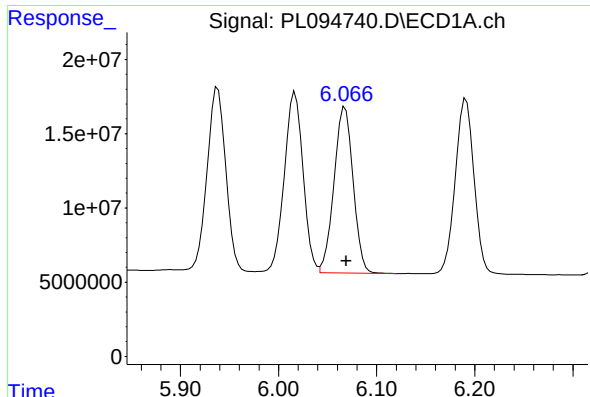
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 161755953
Conc: 48.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 239155831
Conc: 52.23 ng/ml m



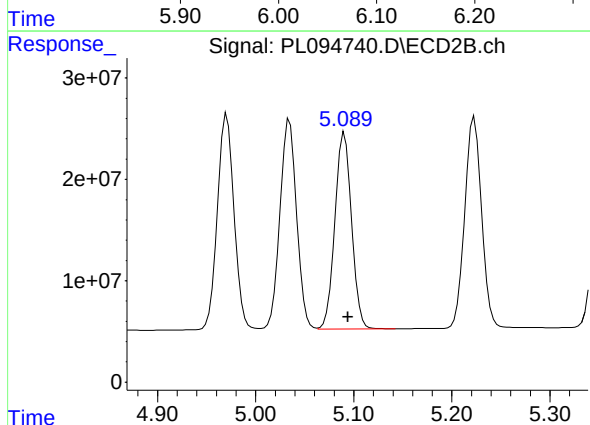
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 150914932
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

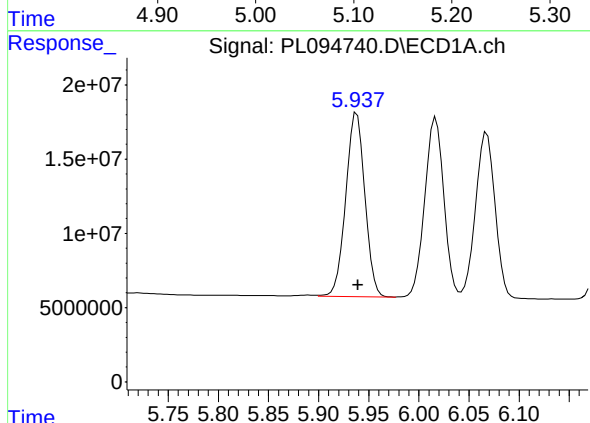
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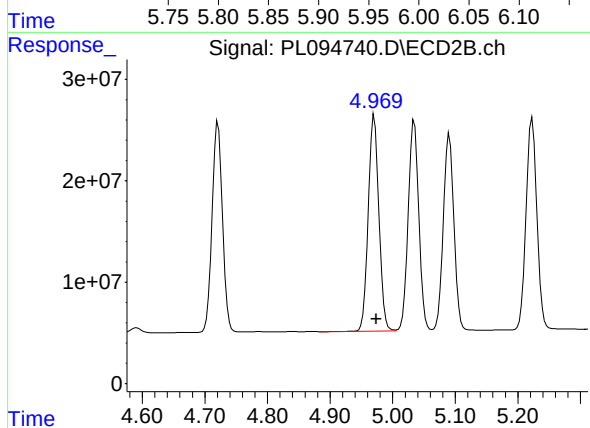
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 229053548
Conc: 52.19 ng/ml



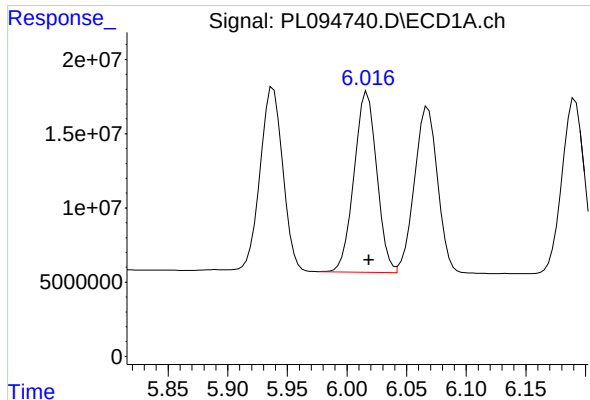
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 164632768
Conc: 48.86 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 250845058
Conc: 51.95 ng/ml



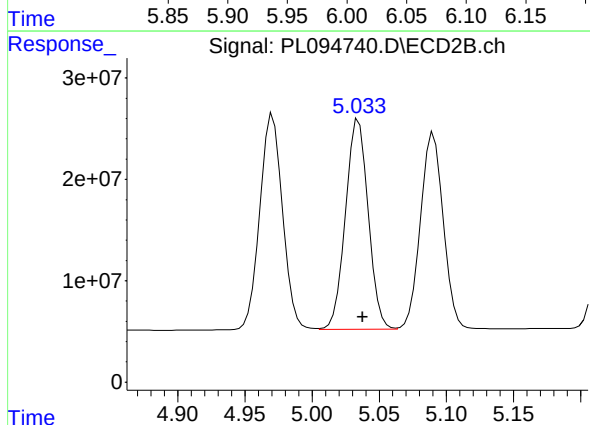
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 161095760
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

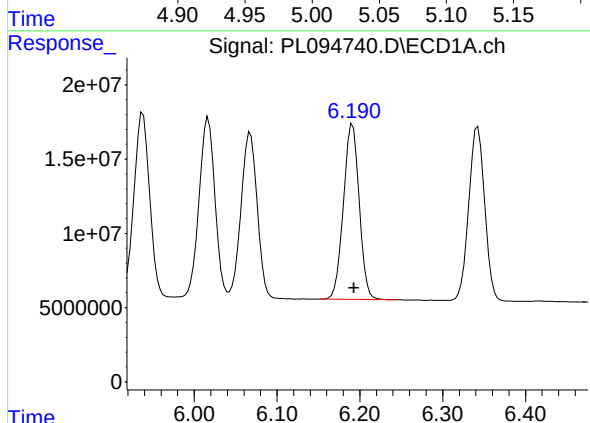
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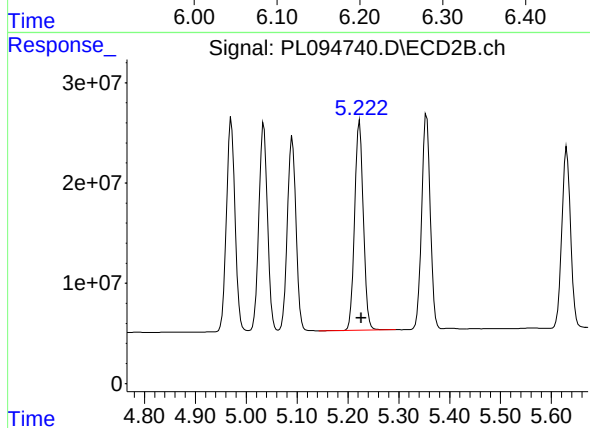
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 245571045
Conc: 51.45 ng/ml



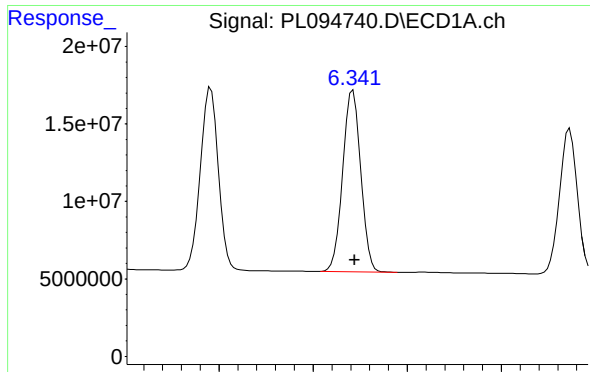
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 156525635
Conc: 53.20 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 249157160
Conc: 53.60 ng/ml



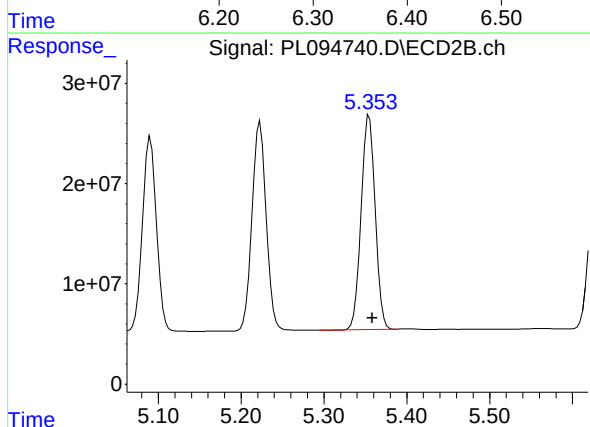
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 156343410
Conc: 48.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

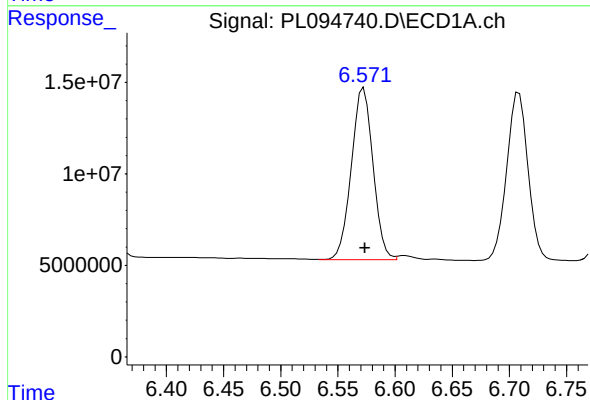
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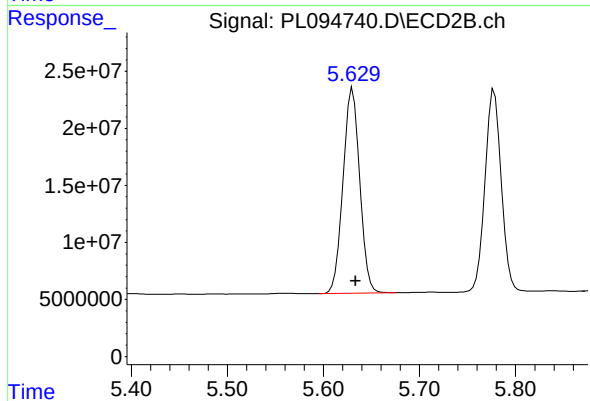
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.004 min
Response: 251172102
Conc: 51.77 ng/ml



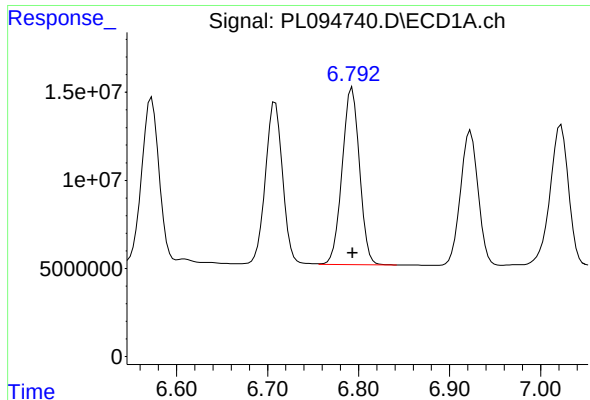
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 124156823
Conc: 44.79 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 214823706
Conc: 49.23 ng/ml



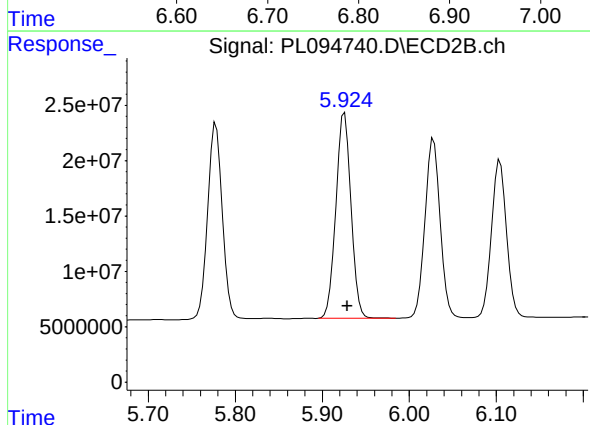
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 133281796
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

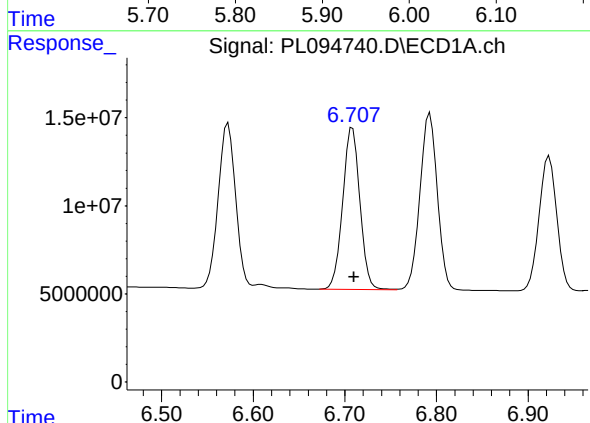
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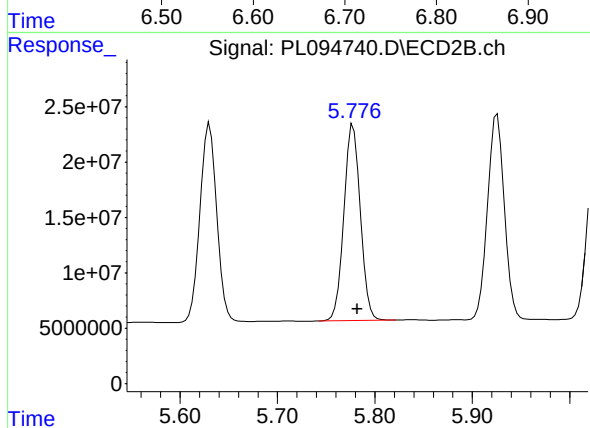
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 223469497
Conc: 51.63 ng/ml



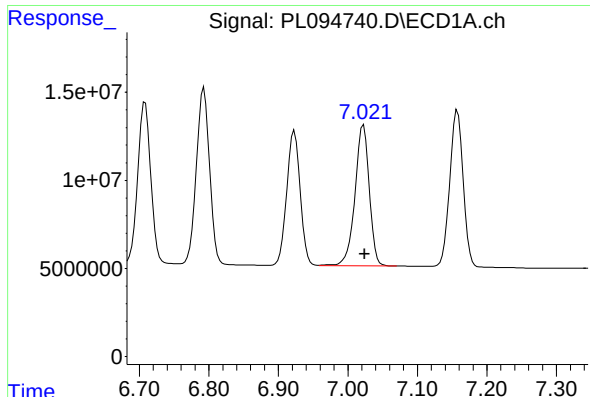
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 120259421
Conc: 55.52 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 207860848
Conc: 57.81 ng/ml



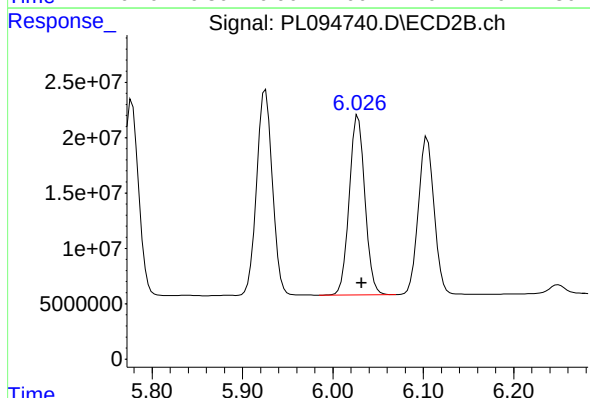
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 114392988
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

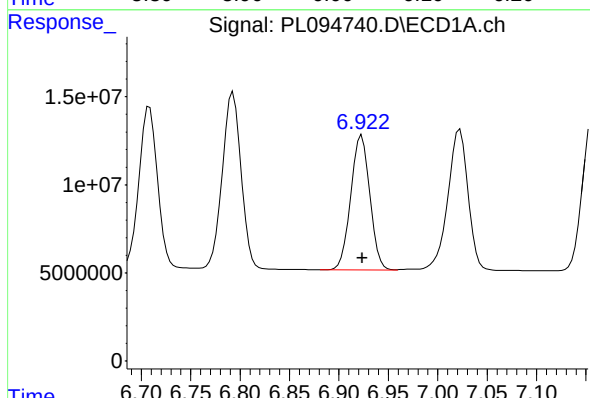
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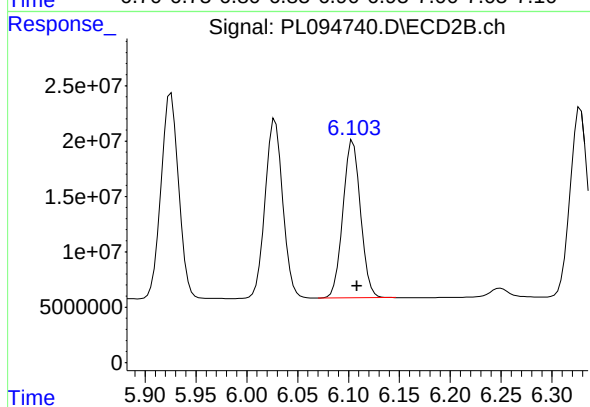
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 195071534
Conc: 48.38 ng/ml



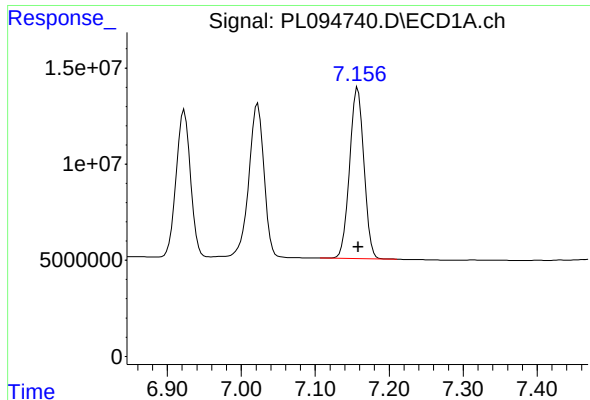
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 102819449
Conc: 48.71 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 171222786
Conc: 50.88 ng/ml



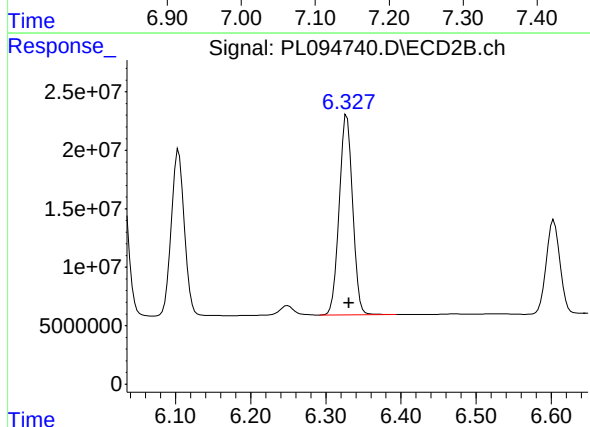
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 119561879
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

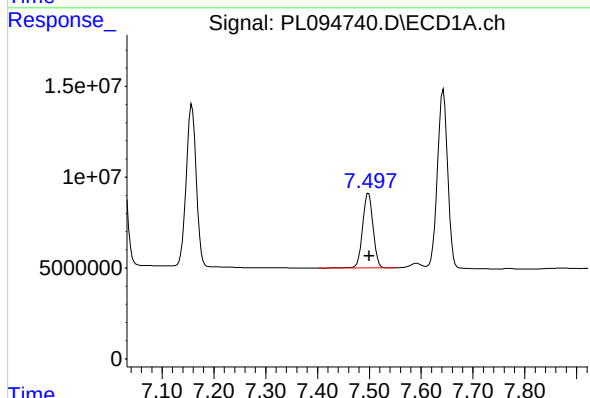
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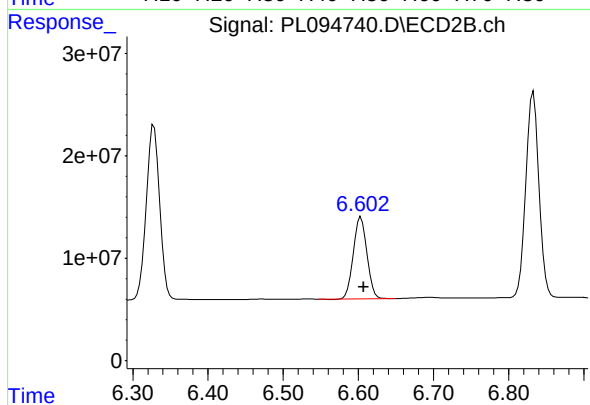
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 212593059
Conc: 52.19 ng/ml



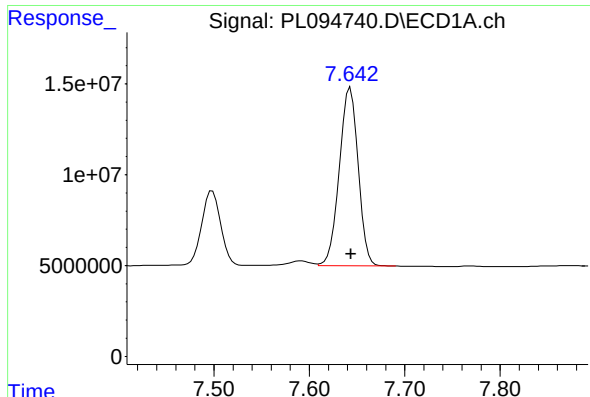
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.001 min
Response: 57230208
Conc: 47.81 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 100676197
Conc: 47.46 ng/ml



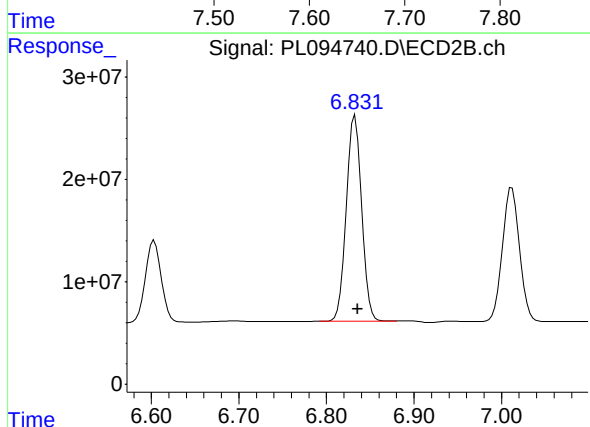
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 134733996
Conc: 50.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

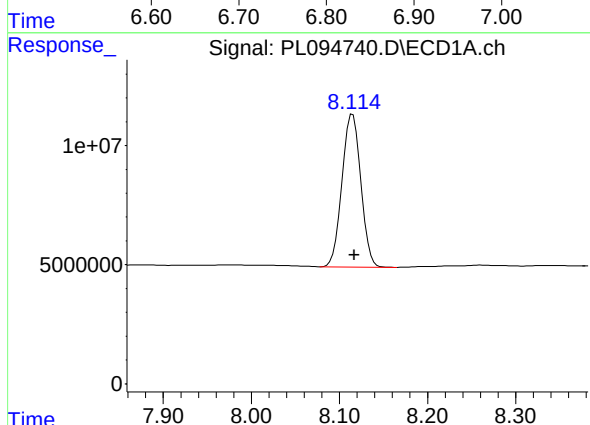
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



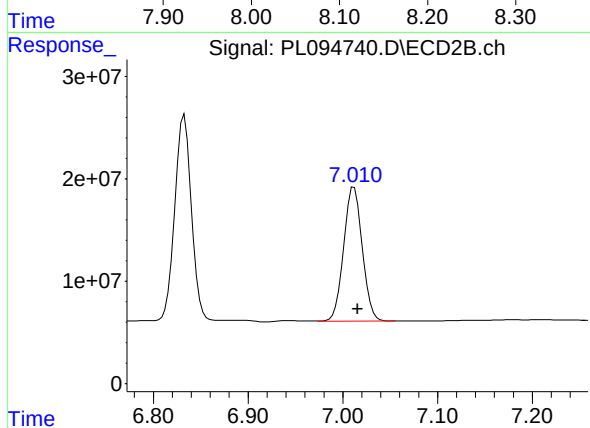
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 245043746
Conc: 51.34 ng/ml m



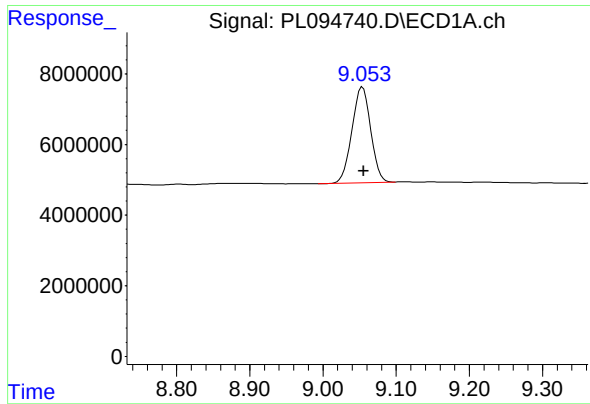
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 95476499
Conc: 46.21 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.005 min
Response: 178711094
Conc: 47.09 ng/ml m



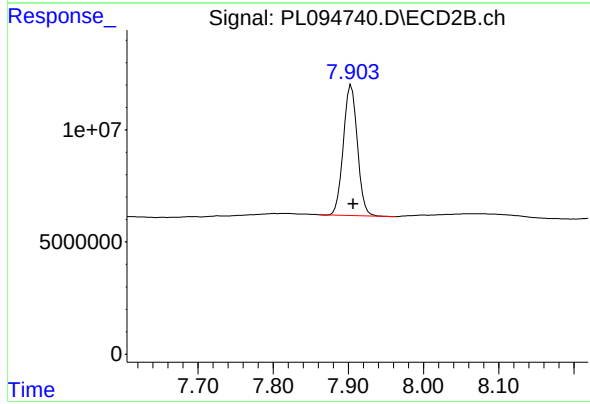
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48219387
Conc: 22.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 75520531
Conc: 18.70 ng/ml