

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032725\
 Data File : PL094897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 10:36
 Operator : AR\AJ
 Sample : PB167325BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167325BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/28/2025
 Supervised By : mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:42:29 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...	3.542	2.770	58122074	79059747	20.533	22.150
28)	SA Decachlor...	9.057	7.903	51047646	86992405	24.222	21.536
Target Compounds							
2)	A alpha-BHC	3.998	3.272	186.1E6	287.3E6	44.829	53.293
3)	MA gamma-BHC...	4.330	3.602	178.4E6	265.2E6	44.710	51.601
4)	MA Heptachlor	4.917	3.940	170.0E6	254.6E6	43.804	48.316
5)	MB Aldrin	5.259	4.219	161.2E6	237.9E6	43.664	48.790
6)	B beta-BHC	4.529	3.902	81217170	113.7E6	44.015	51.179
7)	B delta-BHC	4.775	4.131	186.1E6	255.3E6	47.777	51.034
8)	B Heptachlo...	5.686	4.722	150.1E6	224.7E6	44.869	49.083
9)	A Endosulfan I	6.072	5.091	139.2E6	196.8E6	45.352	44.835
10)	B gamma-Chl...	5.942	4.972	150.6E6	236.6E6	44.687	48.993
11)	B alpha-Chl...	6.021	5.035	149.3E6	232.3E6	45.271	48.678
12)	B 4,4'-DDE	6.195	5.222	145.7E6	238.1E6	49.508	51.211m
13)	MA Dieldrin	6.347	5.354	146.8E6	240.8E6	45.913	49.626m
14)	MA Endrin	6.575	5.631	123.4E6	221.7E6	44.503m	50.808
15)	B Endosulfa...	6.797	5.926	125.2E6	216.4E6	46.117	49.991
16)	A 4,4'-DDD	6.713	5.779	112.8E6	196.5E6	52.065	54.657
17)	MA 4,4'-DDT	7.026	6.029	115.0E6	210.1E6	48.363	52.100
18)	B Endrin al...	6.926	6.105	99044961	166.9E6	46.919	49.598
19)	B Endosulfa...	7.161	6.328	112.6E6	206.2E6	46.315	50.615
20)	A Methoxychlor	7.503	6.604	61265089	108.7E6	51.179	51.267
21)	B Endrin ke...	7.646	6.832	129.2E6	244.7E6	48.861	51.280m
22)	Mirex	8.118	7.011	95447100	179.0E6	46.193	47.167m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032725\
Data File : PL094897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:36
Operator : AR\AJ
Sample : PB167325BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

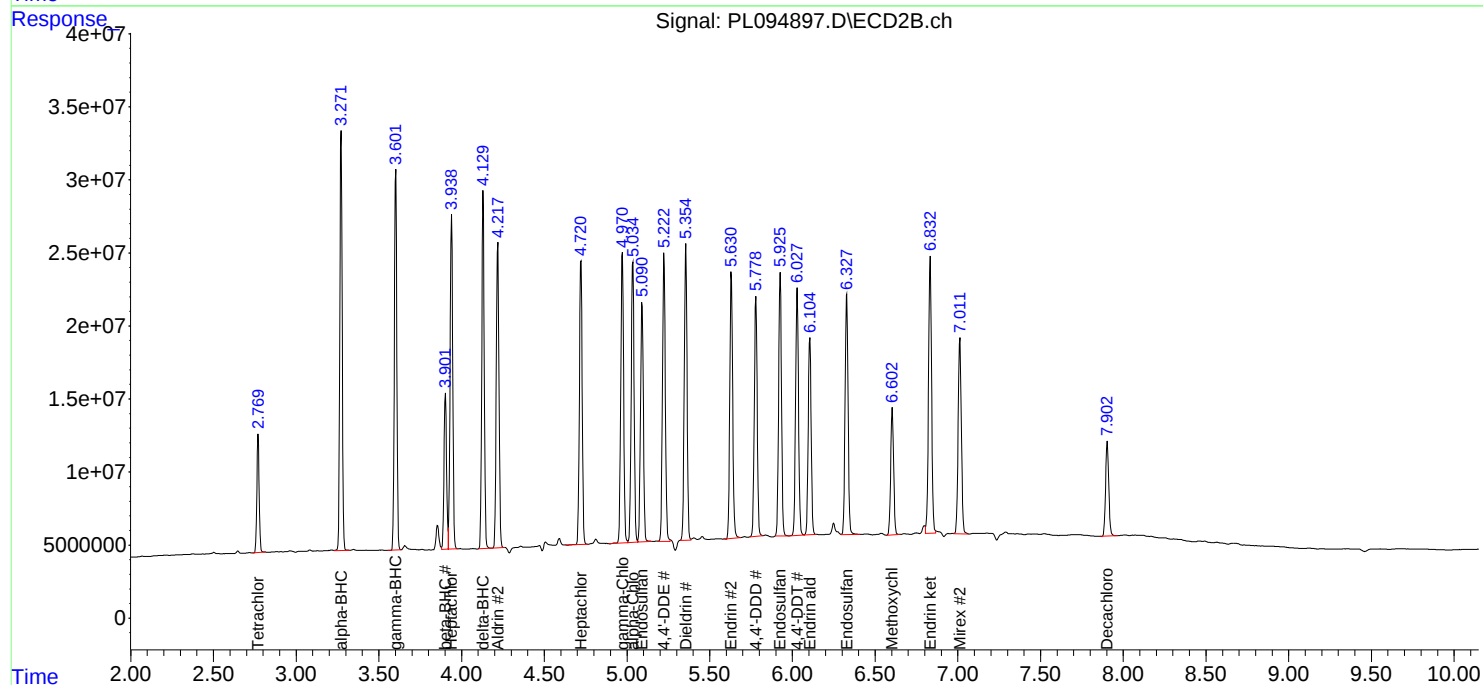
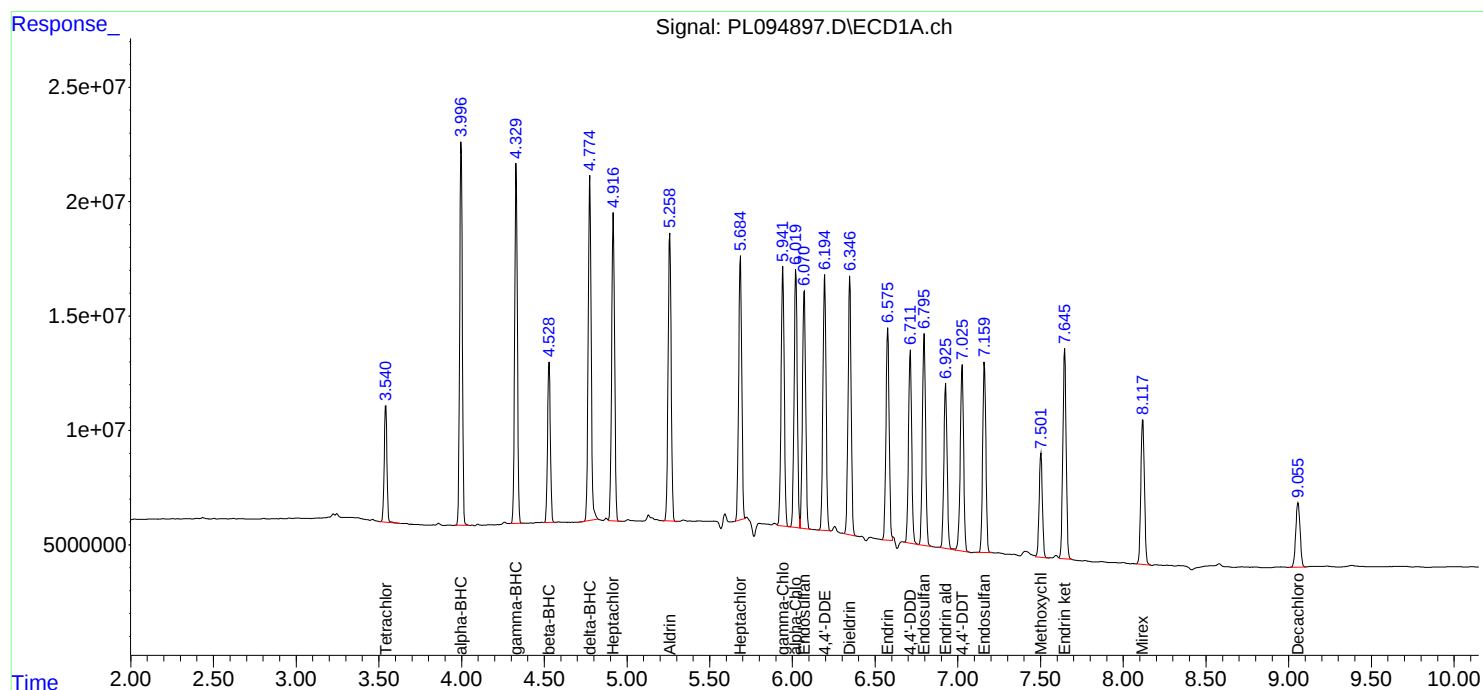
Instrument :
ECD_L
ClientSampleId :
PB167325BSD

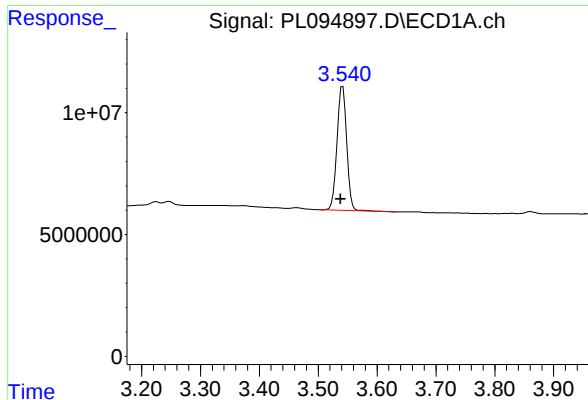
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:42:29 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.: 3.542 min
Delta R.T.: 0.004 min
Response: 58122074
Conc: 20.53 ng/ml

Instrument :

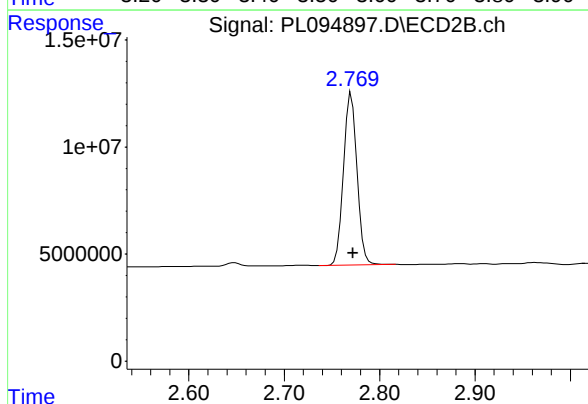
ECD_L

ClientSampleId :

PB167325BSD

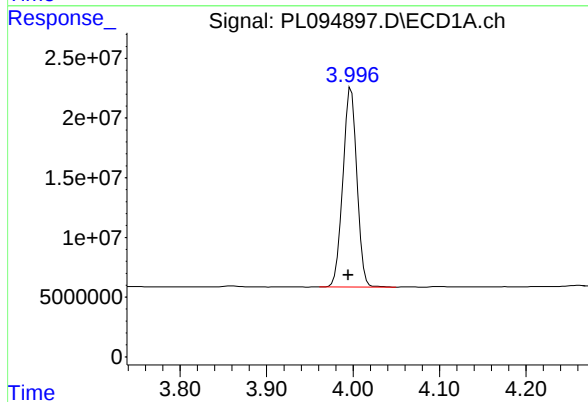
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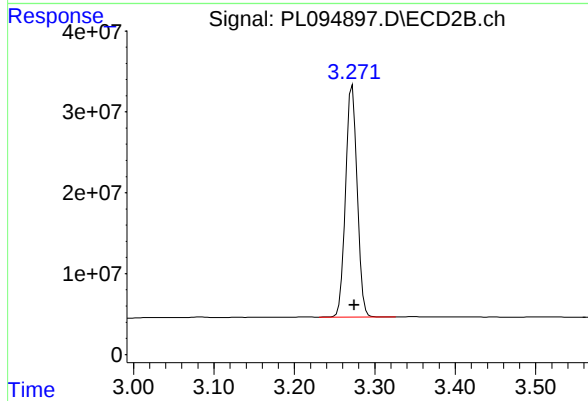
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 79059747
Conc: 22.15 ng/ml



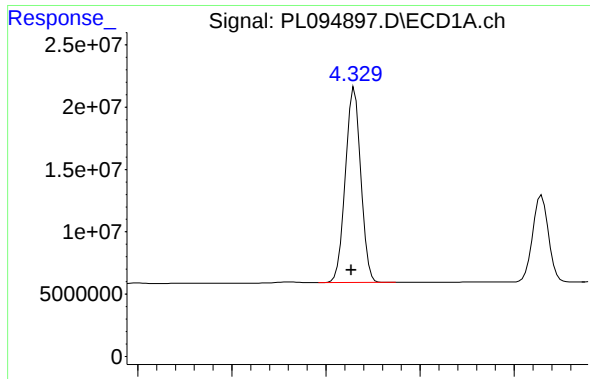
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 186147395
Conc: 44.83 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 287322673
Conc: 53.29 ng/ml



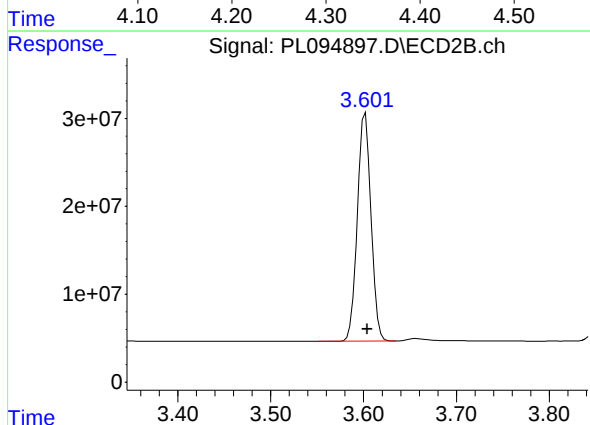
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 178406279
Conc: 44.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

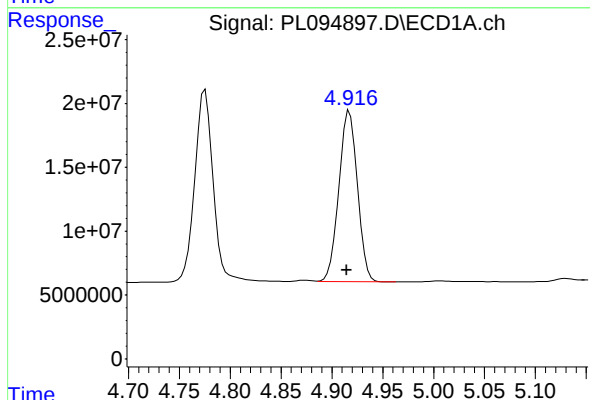
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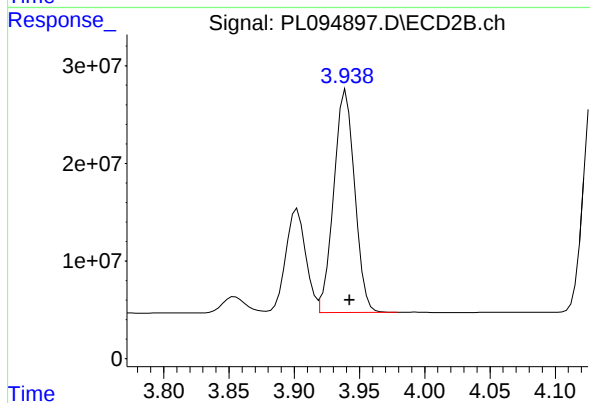
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 265198724
Conc: 51.60 ng/ml



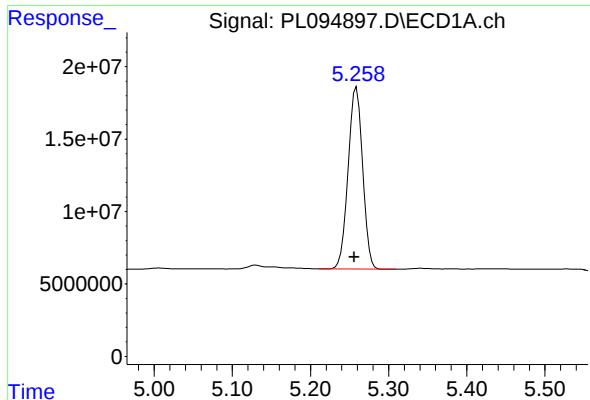
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.003 min
Response: 170029369
Conc: 43.80 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 254561497
Conc: 48.32 ng/ml



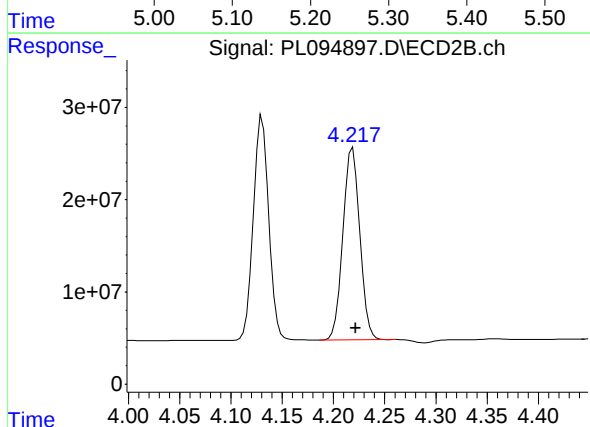
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.003 min
Response: 161215674
Conc: 43.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

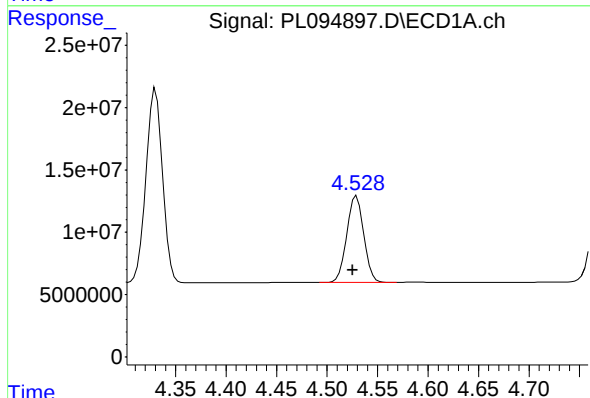
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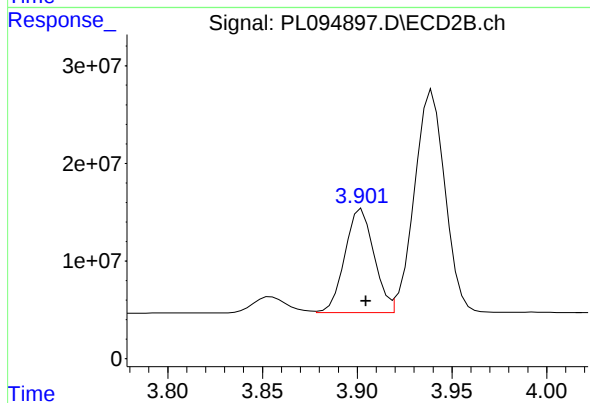
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 237919245
Conc: 48.79 ng/ml



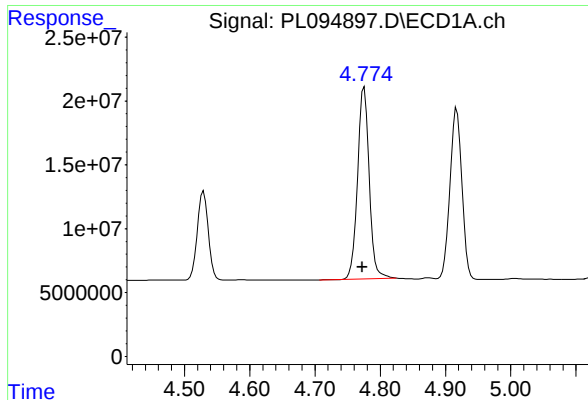
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 81217170
Conc: 44.01 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 113683212
Conc: 51.18 ng/ml



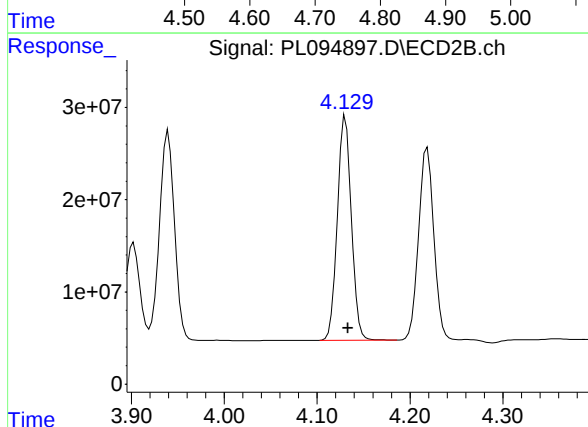
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.003 min
Response: 186059885
Conc: 47.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

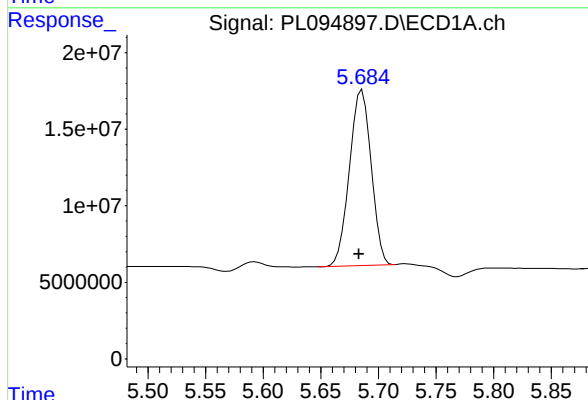
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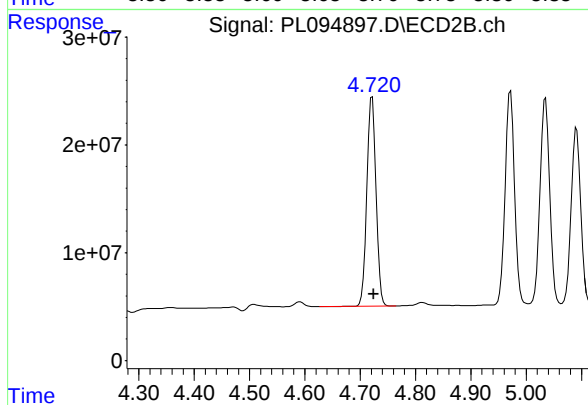
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 255270921
Conc: 51.03 ng/ml



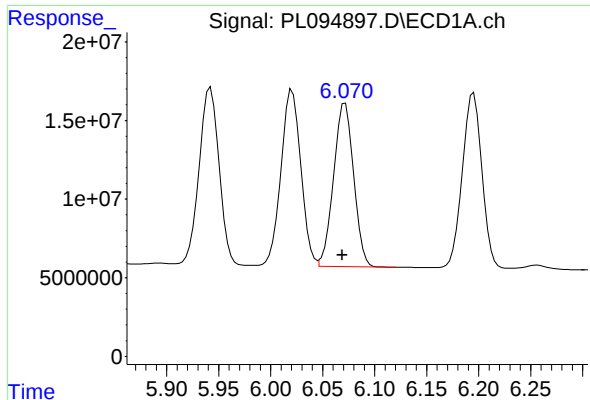
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.003 min
Response: 150095739
Conc: 44.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.003 min
Response: 224729240
Conc: 49.08 ng/ml



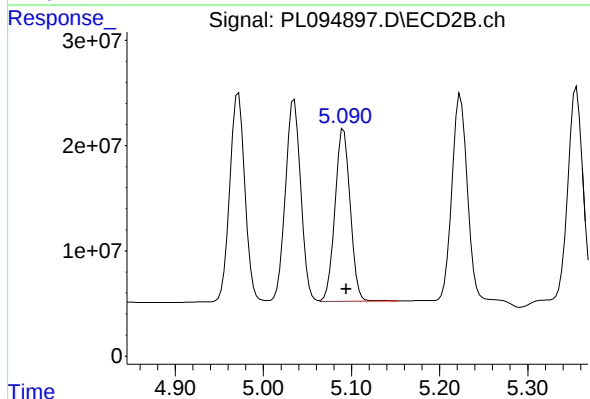
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 139241211
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

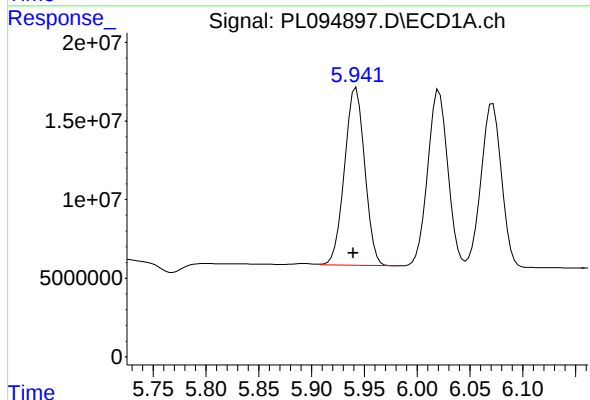
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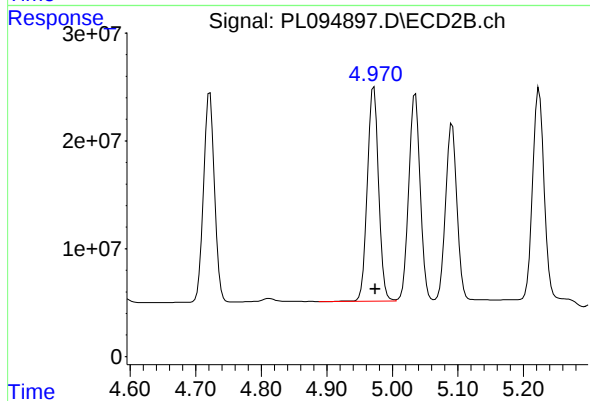
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 196768664
Conc: 44.83 ng/ml



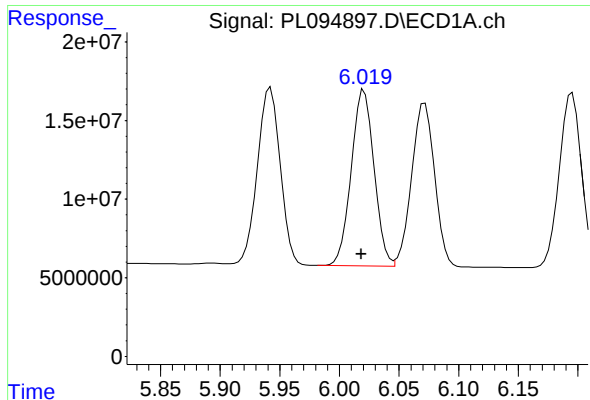
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 150566558
Conc: 44.69 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 236557785
Conc: 48.99 ng/ml



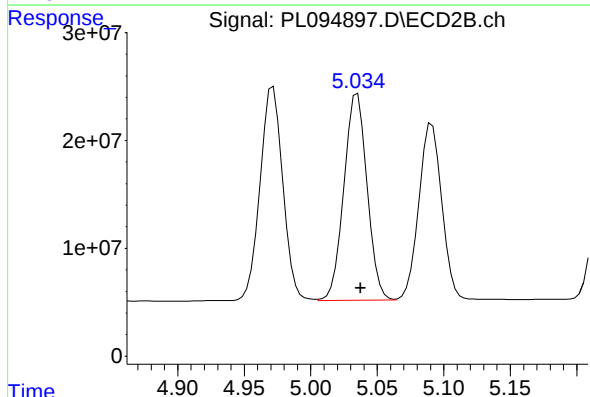
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 149252777
Conc: 45.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

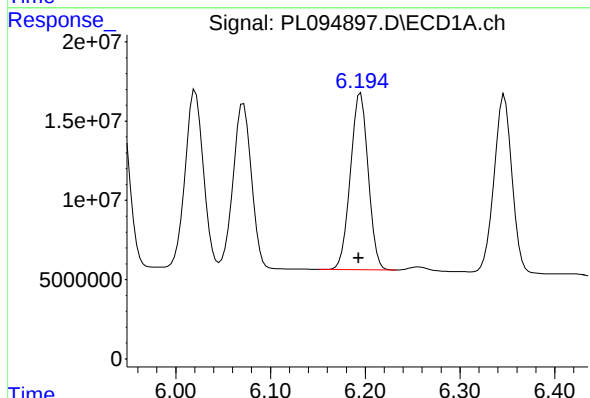
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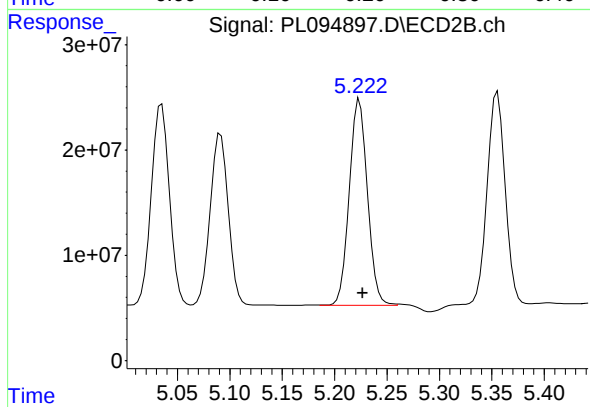
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 232330689
Conc: 48.68 ng/ml



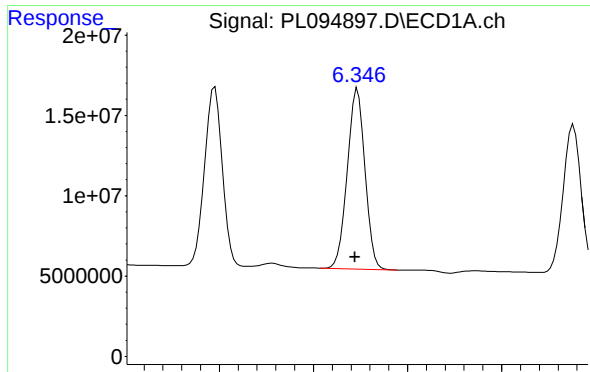
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 145655639
Conc: 49.51 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.004 min
Response: 238053947
Conc: 51.21 ng/ml m



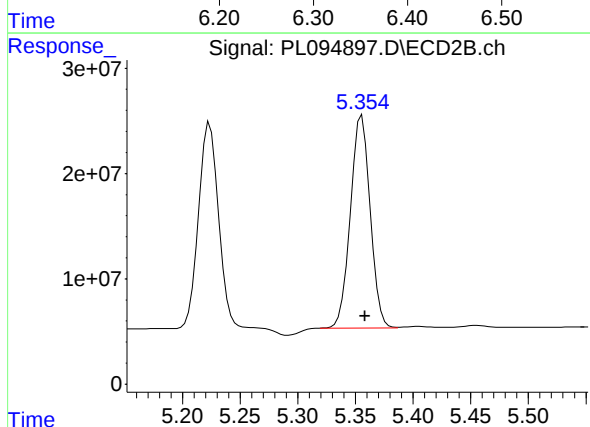
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 146836520
Conc: 45.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

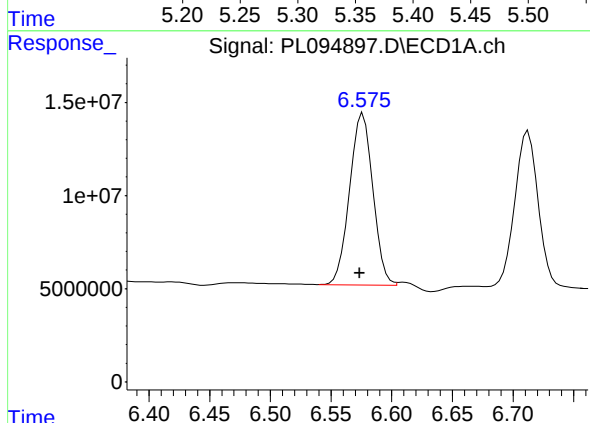
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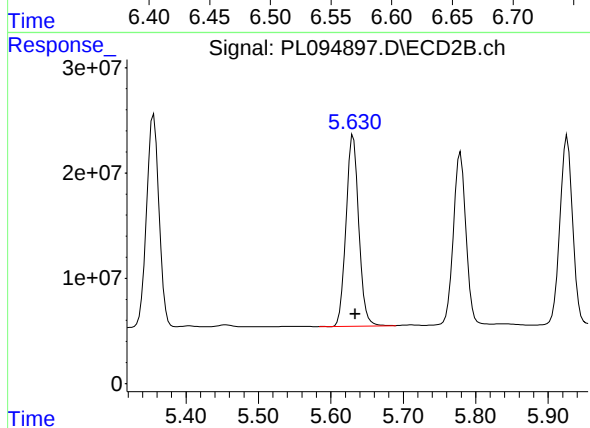
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 240777341
Conc: 49.63 ng/ml



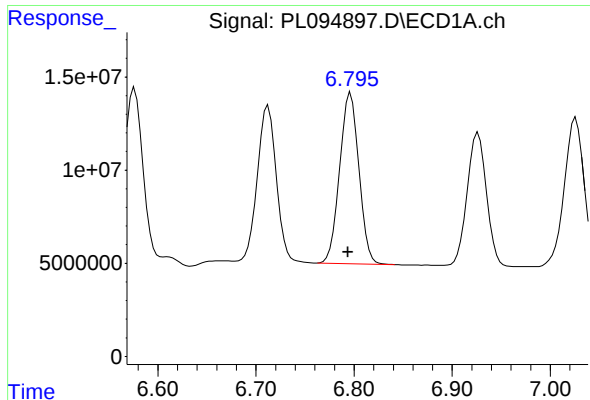
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.001 min
Response: 123365718
Conc: 44.50 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 221706246
Conc: 50.81 ng/ml



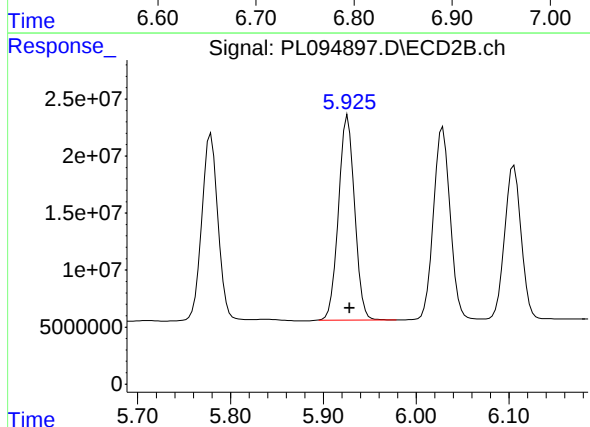
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.003 min
Response: 125194685
Conc: 46.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

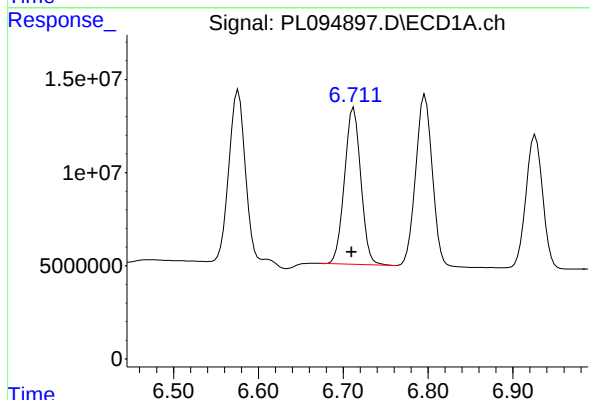
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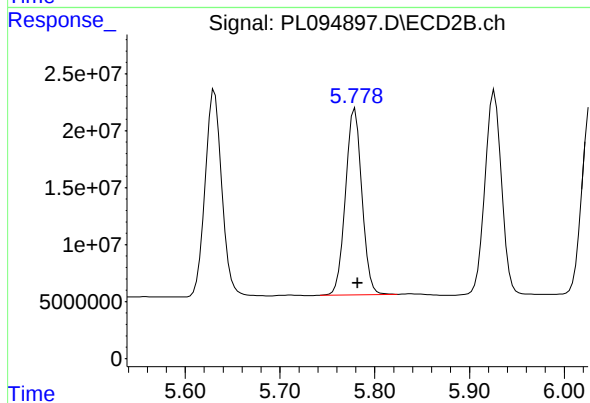
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 216374904
Conc: 49.99 ng/ml



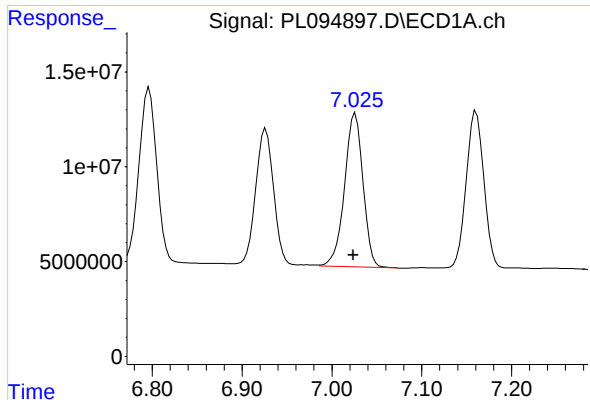
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 112775489
Conc: 52.06 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 196540905
Conc: 54.66 ng/ml



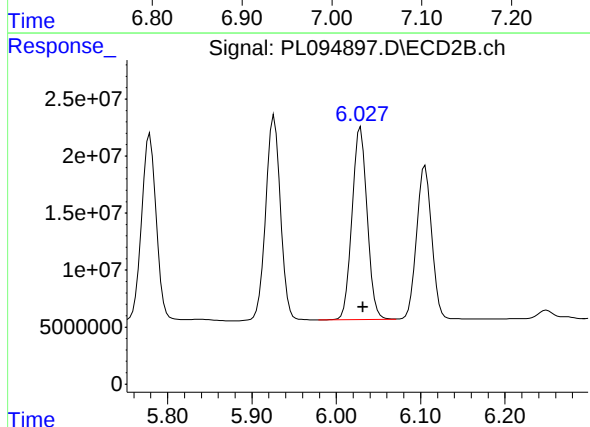
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 115033623
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

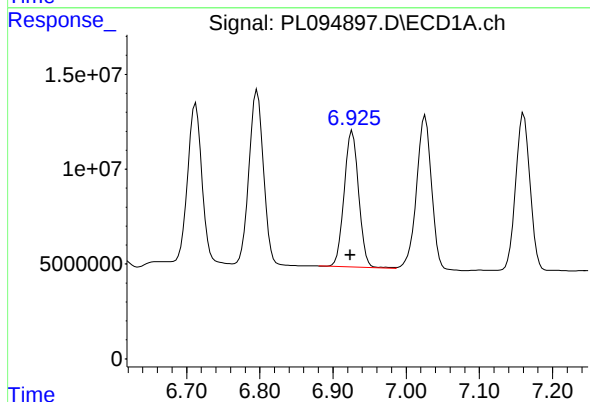
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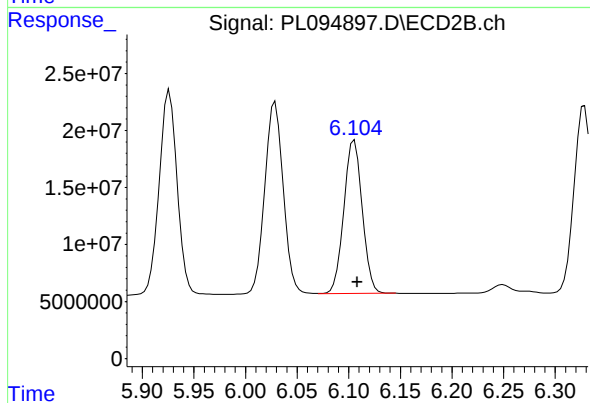
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 210071639
Conc: 52.10 ng/ml



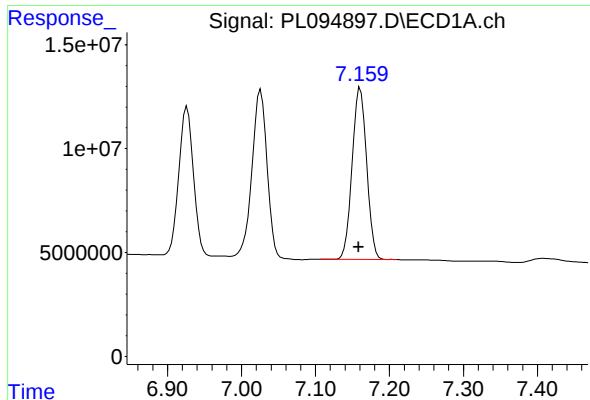
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.003 min
Response: 99044961
Conc: 46.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 166916935
Conc: 49.60 ng/ml



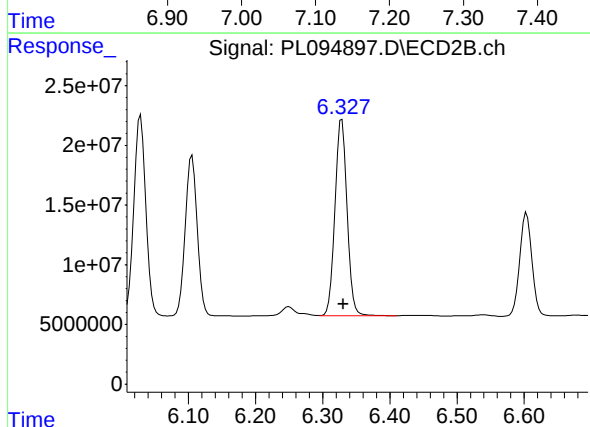
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.002 min
Response: 112639319
Conc: 46.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

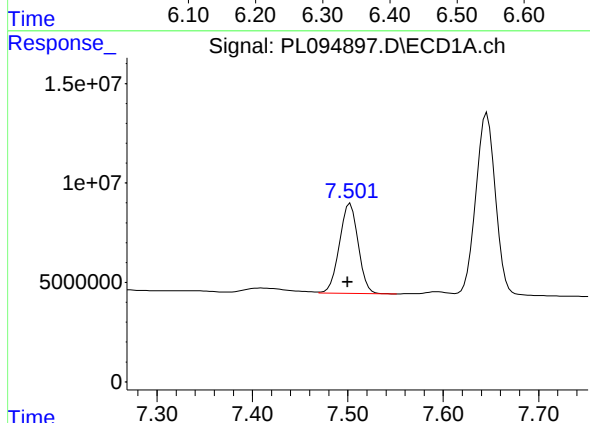
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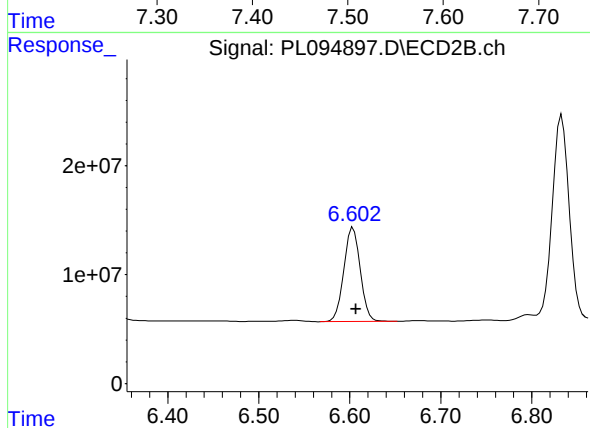
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.002 min
Response: 206175081
Conc: 50.61 ng/ml



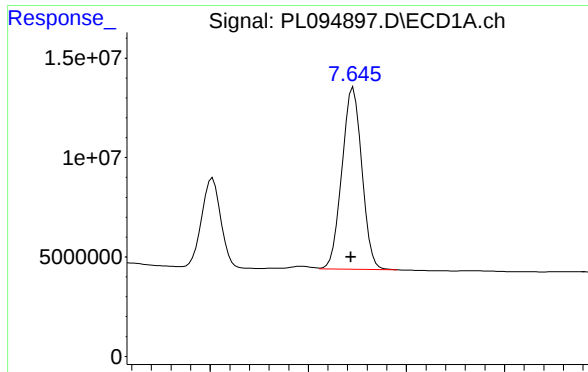
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.003 min
Response: 61265089
Conc: 51.18 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 108740966
Conc: 51.27 ng/ml



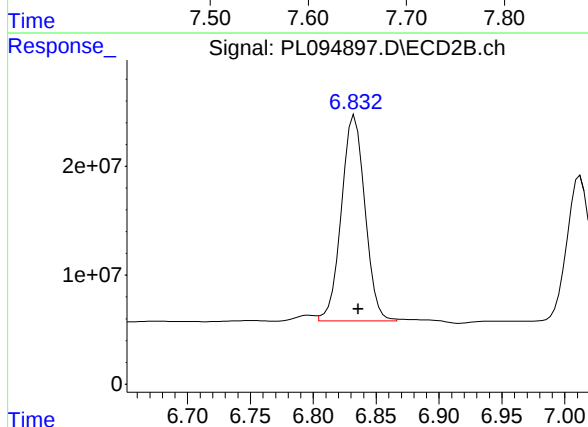
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 129153923
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

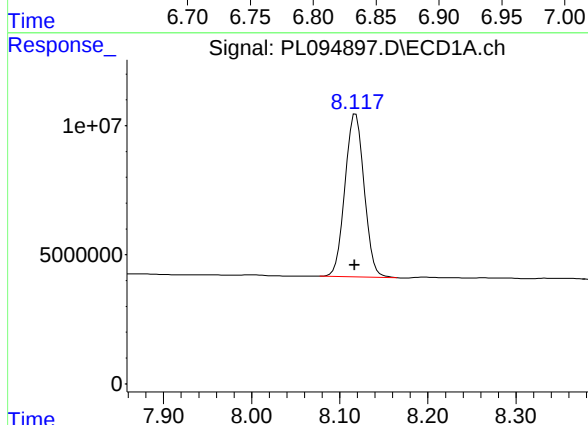
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



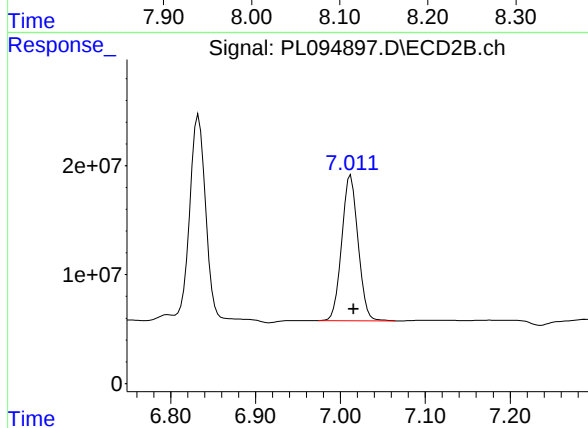
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 244739529
Conc: 51.28 ng/ml m



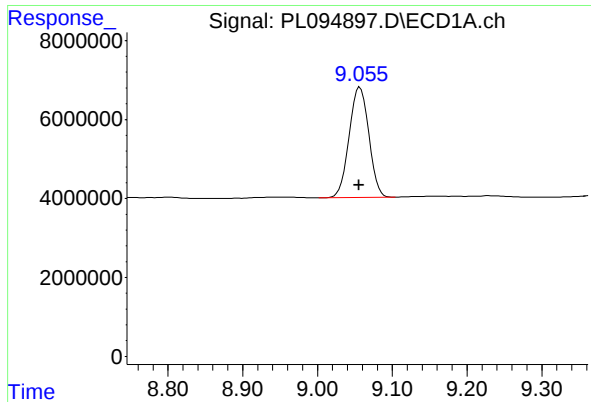
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 95447100
Conc: 46.19 ng/ml



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.005 min
Response: 179014220
Conc: 47.17 ng/ml m



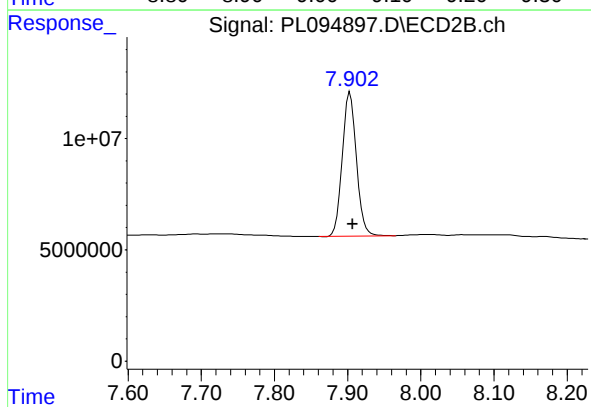
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.001 min
Response: 51047646
Conc: 24.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167325BSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 86992405
Conc: 21.54 ng/ml