

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032425\
 Data File : PL094821.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Mar 2025 15:50
 Operator : AR\AJ
 Sample : Q1619-13MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-5MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/25/2025
 Supervised By : mohammad ahmed 03/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 25 01:52:26 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...	3.535	2.769	52266943	71572617	18.465m	20.052m
28) SA Decachlor...	9.053	7.904	39010023	56282833	18.510	13.934
Target Compounds						
2) A alpha-BHC	3.993	3.273	182.7E6	252.1E6	44.005	46.766
3) MA gamma-BHC...	4.324	3.601	198.8E6	245.1E6	49.831m	47.685m
4) MA Heptachlor	4.913	3.939	167.9E6	237.1E6	43.258	45.003m
5) MB Aldrin	5.255	4.220	160.7E6	235.6E6	43.536	48.316
6) B beta-BHC	4.525	3.902	65869844	106.3E6	35.698m	47.849m#
7) B delta-BHC	4.770	4.130	140.0E6	179.6E6	35.948m	35.903m
8) B Heptachlo...	5.682	4.720	148.2E6	220.7E6	44.294	48.195m
9) A Endosulfan I	6.066	5.092	137.3E6	142.2E6	44.734m	32.401m#
10) B gamma-Chl...	5.937	4.971	154.0E6	227.8E6	45.709m	47.173m
11) B alpha-Chl...	6.016	5.034	149.5E6	232.9E6	45.346m	48.807m
12) B 4,4'-DDE	6.191	5.223	96072147	229.8E6	32.655	49.428m#
13) MA Dieldrin	6.343	5.354	145.3E6	222.5E6	45.418	45.857m
14) MA Endrin	6.573	5.630	118.1E6	216.2E6	42.609	49.536m
15) B Endosulfa...	6.793	5.926	126.3E6	210.4E6	46.530	48.621
16) A 4,4'-DDD	6.708	5.779	114.5E6	176.7E6	52.862	49.145
17) MA 4,4'-DDT	7.022	6.028	112.1E6	185.9E6	47.149	46.100
18) B Endrin al...	6.923	6.104	89956639	142.0E6	42.613	42.187m
19) B Endosulfa...	7.157	6.328	109.0E6	181.7E6	44.803	44.608
20) A Methoxychlor	7.497	6.602	56121798	98507083	46.883m	46.442m
21) B Endrin ke...	7.641	6.832	129.5E6	209.9E6	49.008m	43.973m
22) Mirex	8.114	7.011	91756012	148.2E6	44.406m	39.041m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032425\
Data File : PL094821.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Mar 2025 15:50
Operator : AR\AJ
Sample : Q1619-13MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

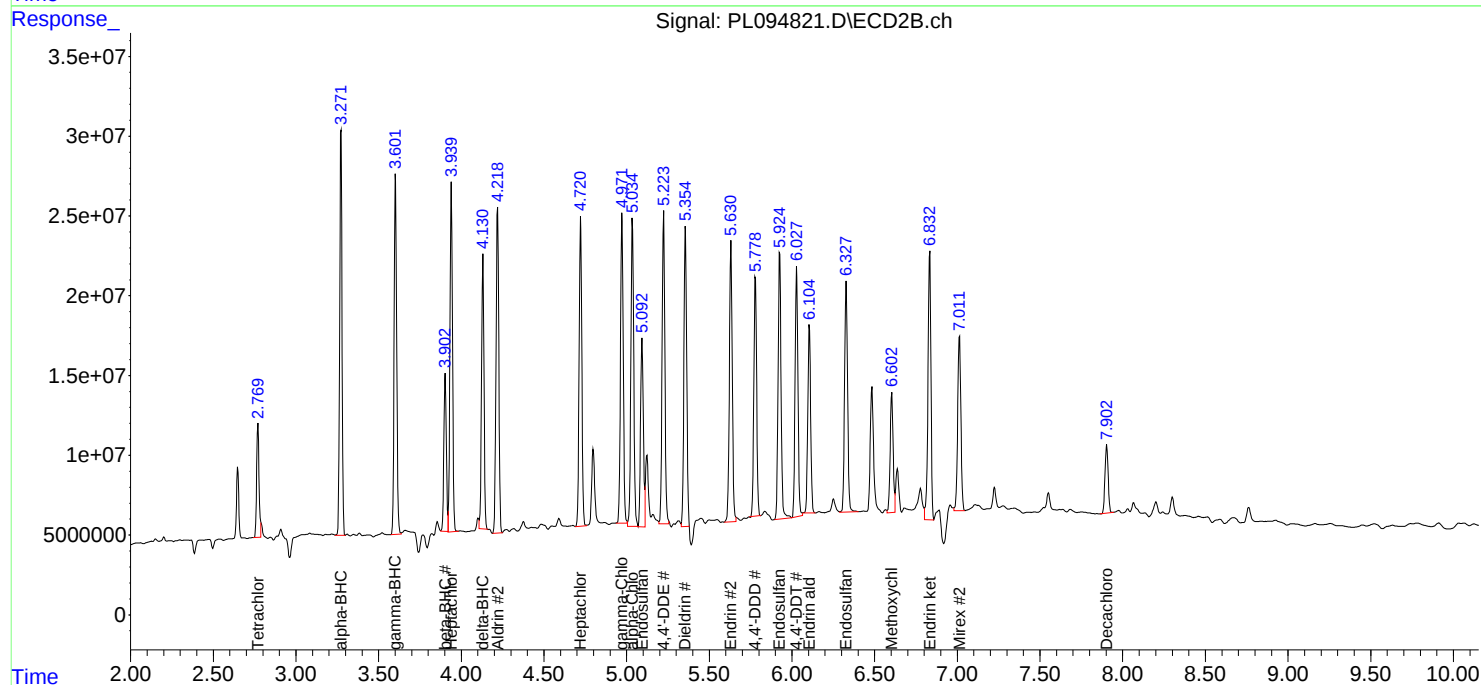
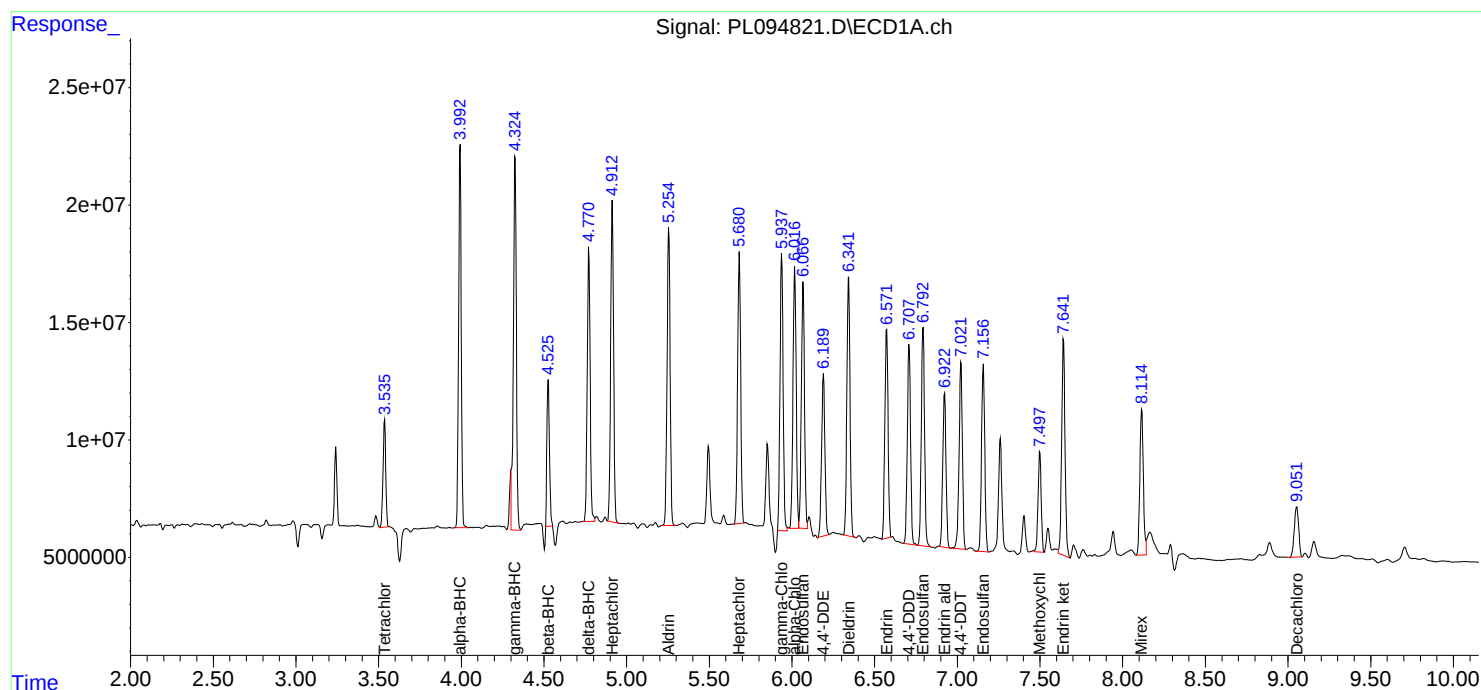
Instrument :
ECD_L
ClientSampleId :
TP-5MSD

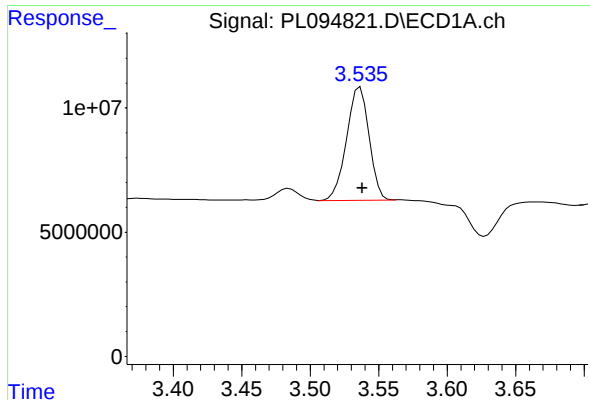
Manual Integrations
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Supervised By :mohammad ahmed 03/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 25 01:52:26 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





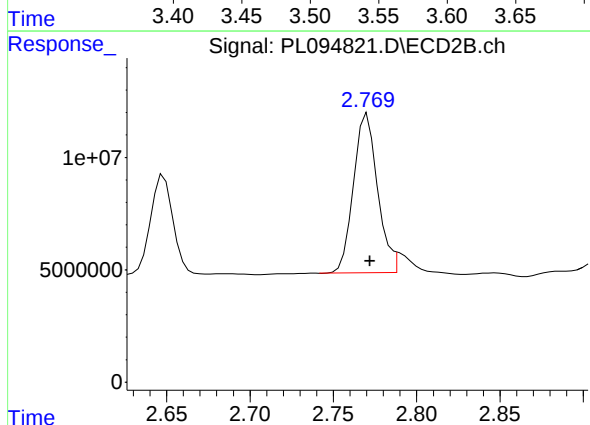
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 52266943
Conc: 18.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

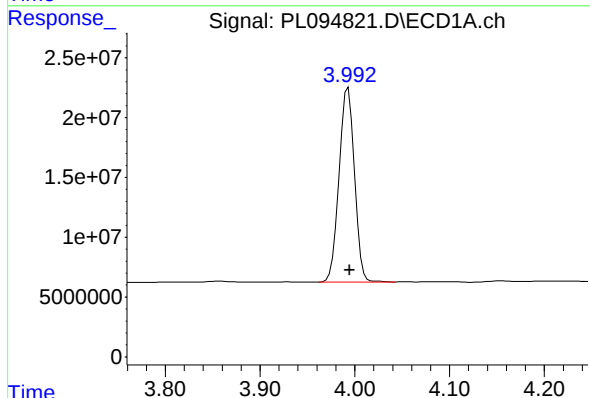
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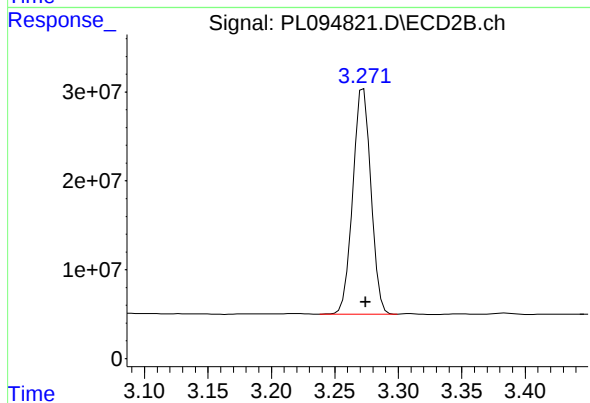
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 71572617
Conc: 20.05 ng/ml



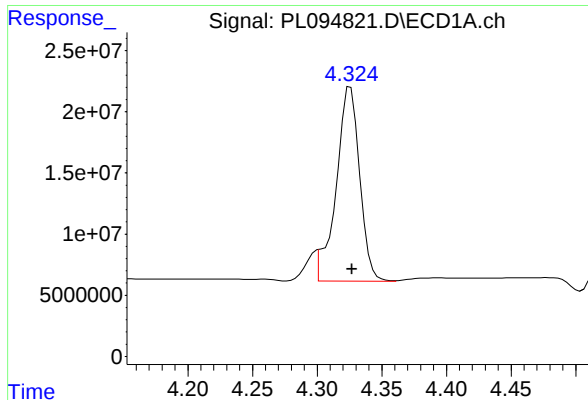
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 182725537
Conc: 44.01 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 252134957
Conc: 46.77 ng/ml



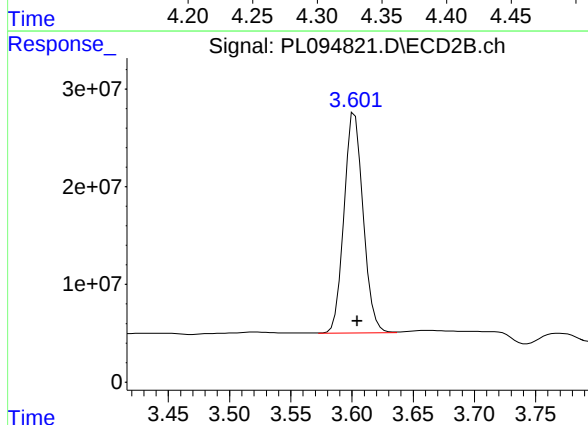
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 198838390
Conc: 49.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

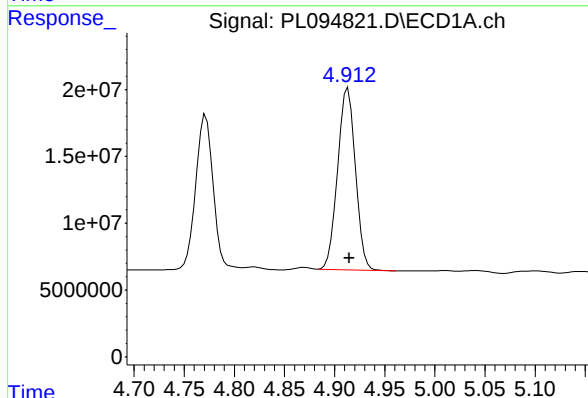
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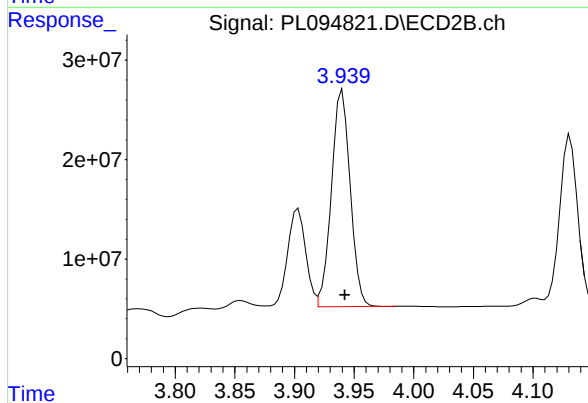
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.003 min
Response: 245075051
Conc: 47.69 ng/ml m



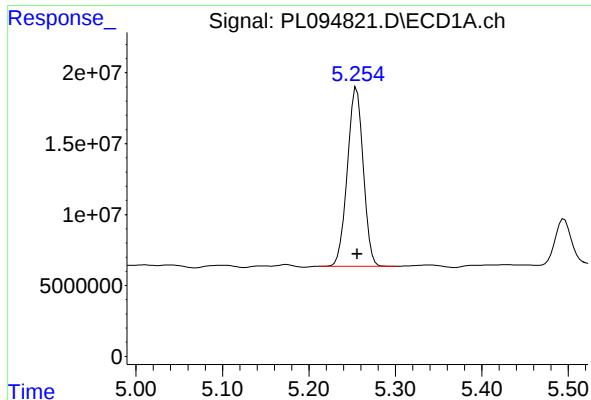
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 167909838
Conc: 43.26 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.004 min
Response: 237107522
Conc: 45.00 ng/ml m



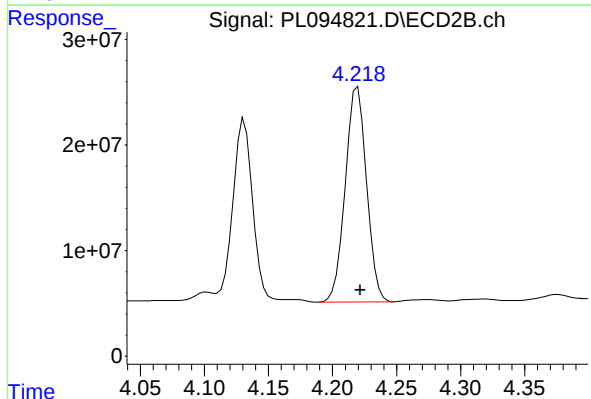
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 160744184
Conc: 43.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

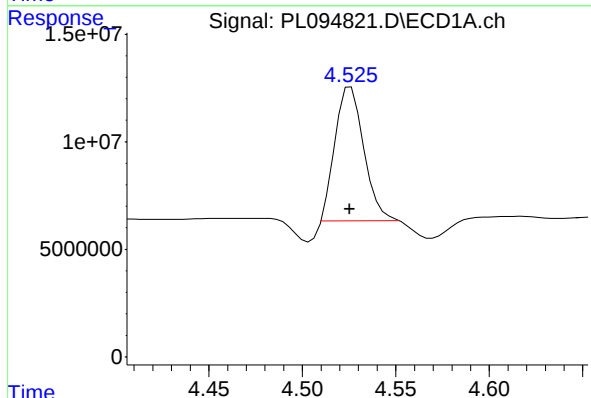
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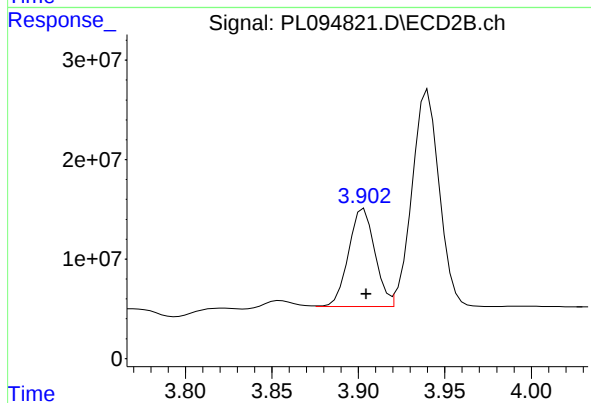
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 235604551
Conc: 48.32 ng/ml



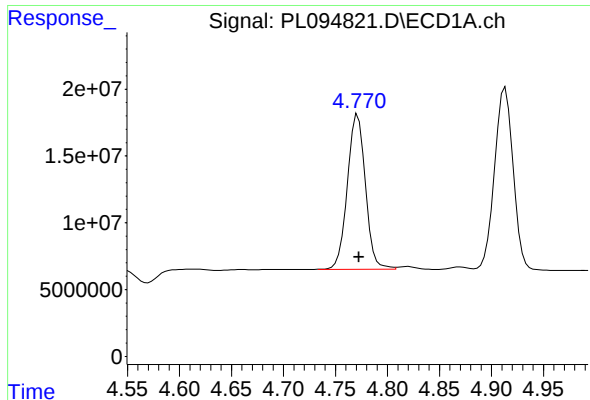
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 65869844
Conc: 35.70 ng/ml m



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 106287357
Conc: 47.85 ng/ml m



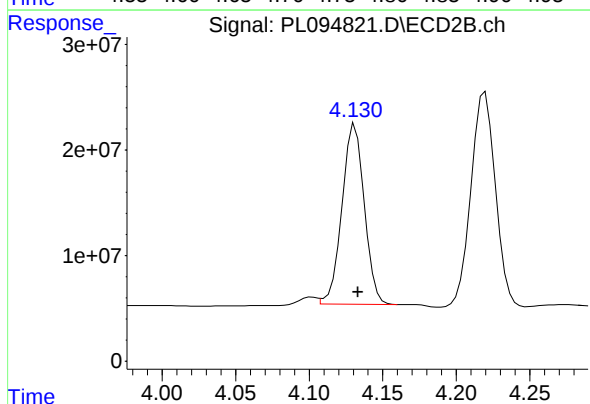
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 139992137
Conc: 35.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

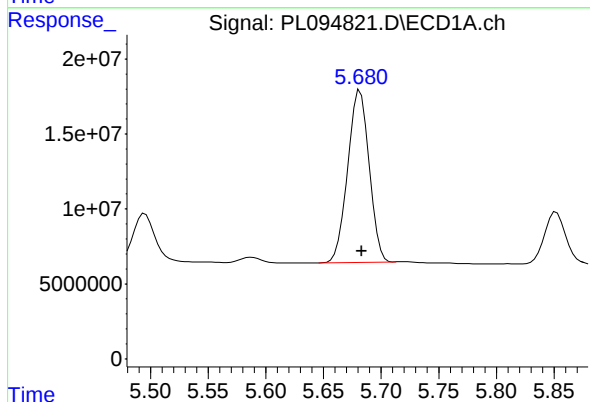
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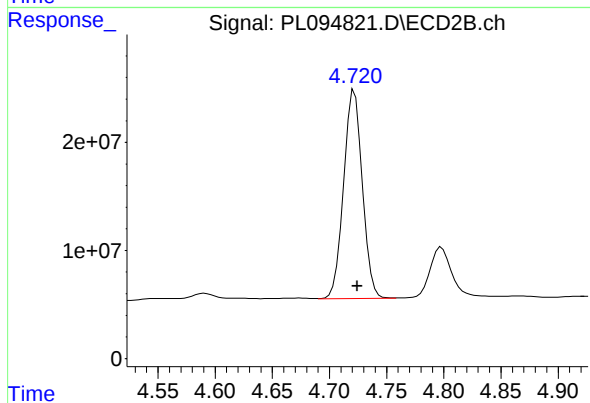
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 179584649
Conc: 35.90 ng/ml m



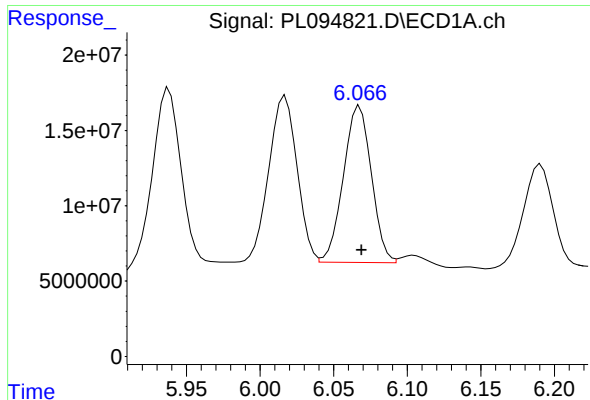
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 148171636
Conc: 44.29 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 220662815
Conc: 48.19 ng/ml m



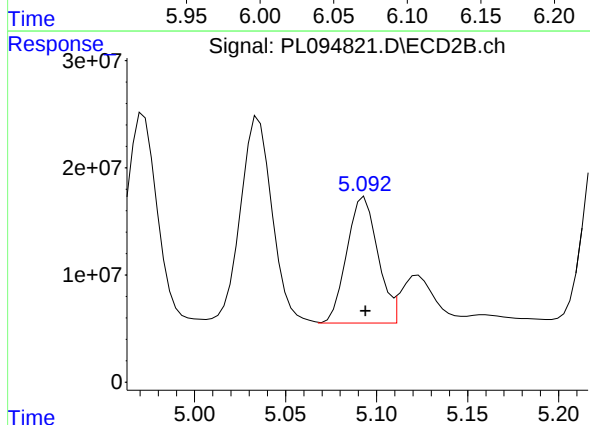
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 137343297
Conc: 44.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

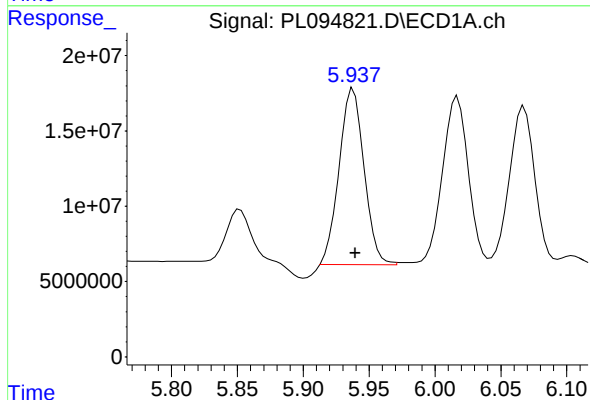
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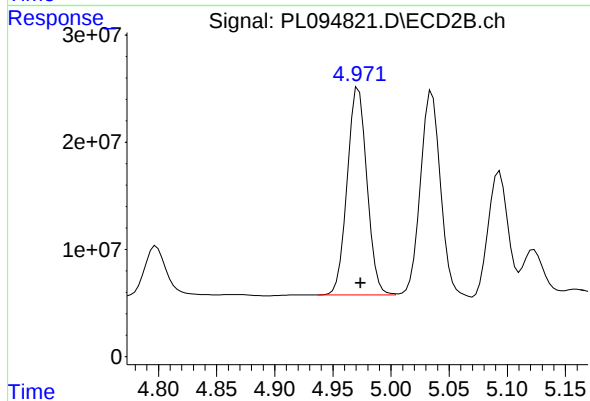
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 142198002
Conc: 32.40 ng/ml m



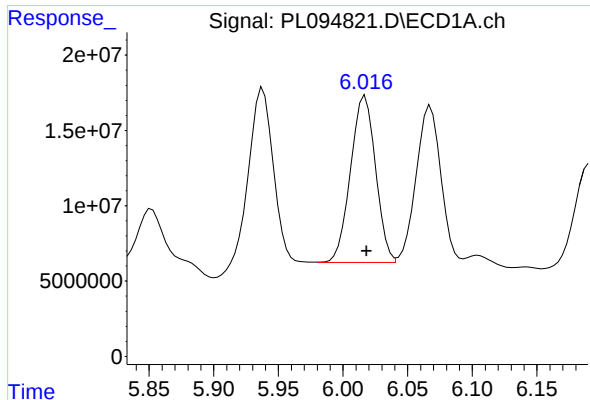
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 154009996
Conc: 45.71 ng/ml m



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 227771695
Conc: 47.17 ng/ml m



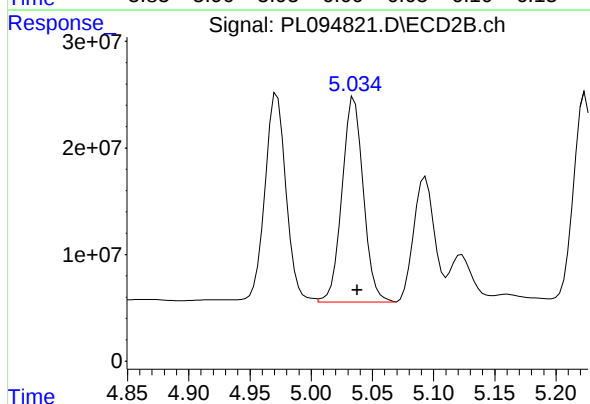
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.003 min
Response: 149498324
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

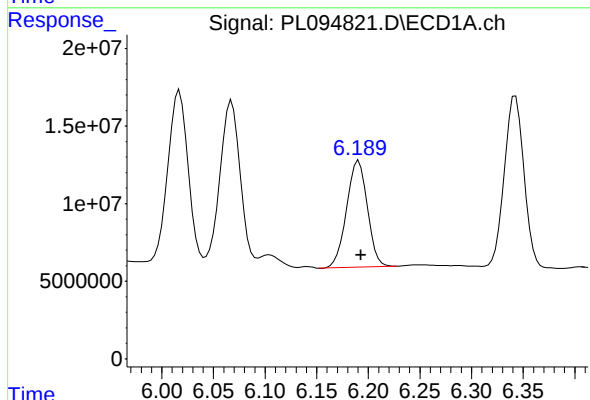
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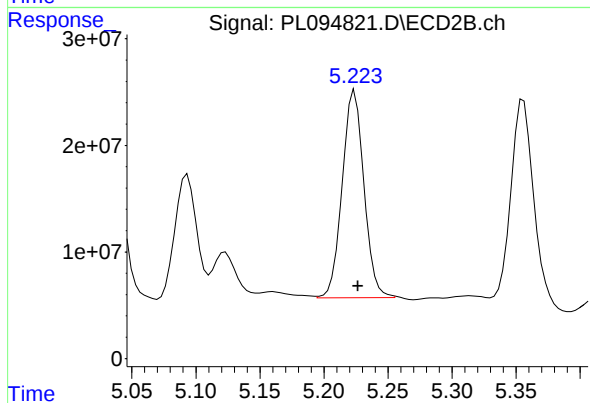
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.004 min
Response: 232944410
Conc: 48.81 ng/ml m



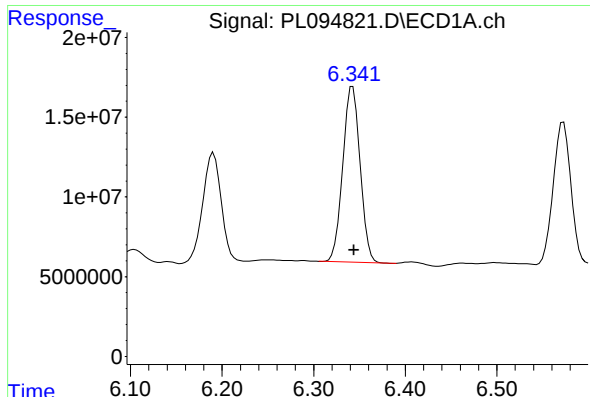
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 96072147
Conc: 32.65 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 229766533
Conc: 49.43 ng/ml m



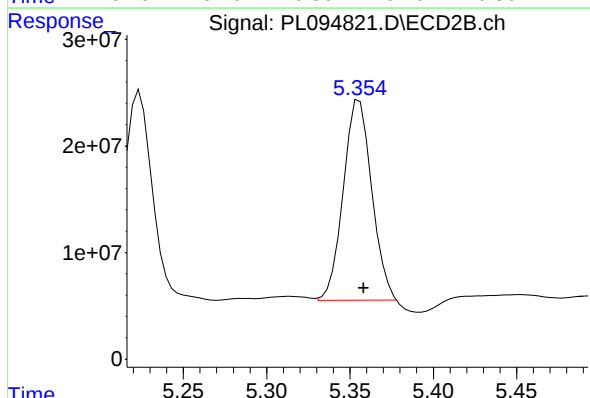
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 145252308
Conc: 45.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

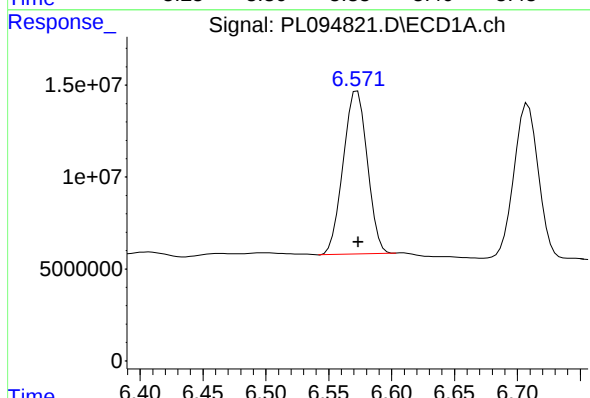
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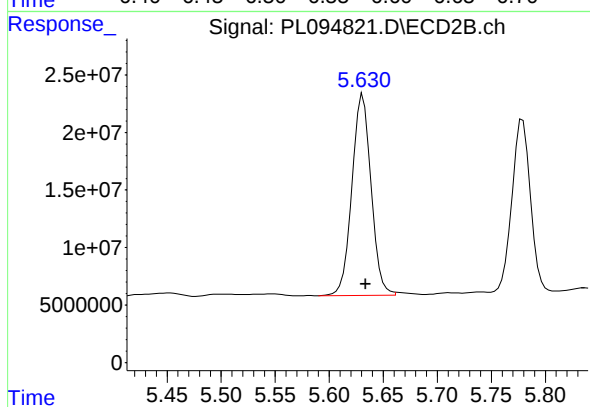
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 222488540
Conc: 45.86 ng/ml m



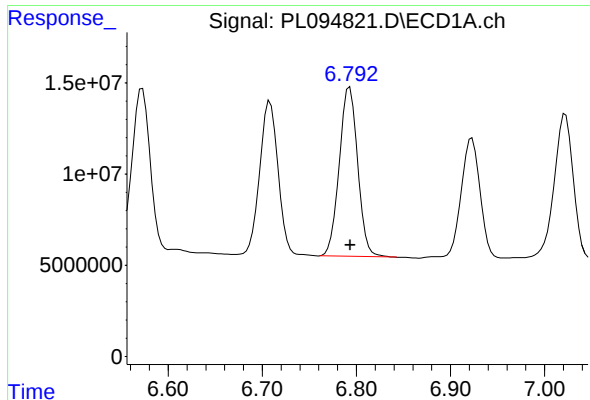
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 118114496
Conc: 42.61 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.004 min
Response: 216159080
Conc: 49.54 ng/ml m



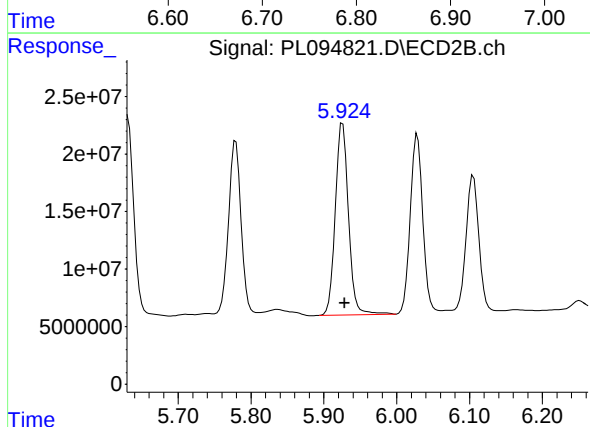
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 126316683
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

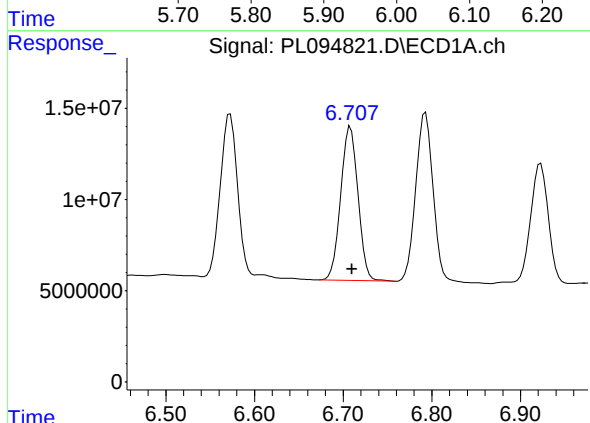
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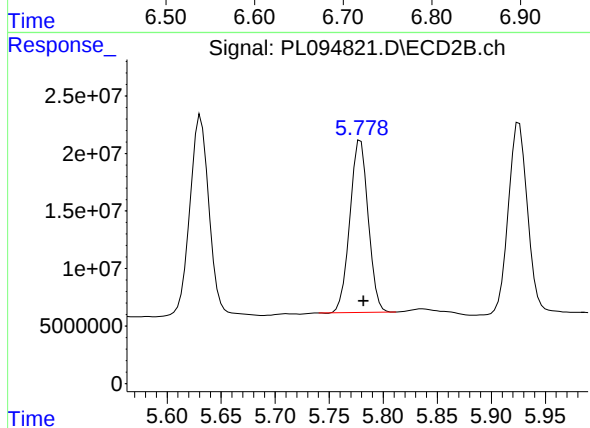
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 210446157
Conc: 48.62 ng/ml



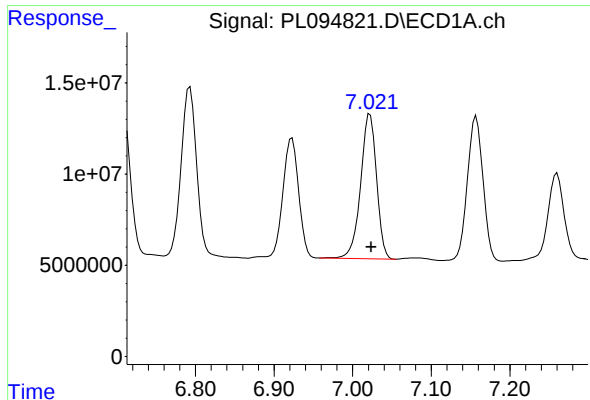
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 114503639
Conc: 52.86 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 176719903
Conc: 49.14 ng/ml



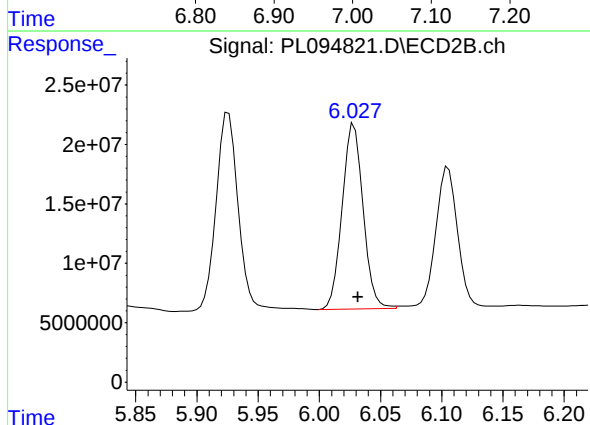
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 112146647
Conc: 47.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

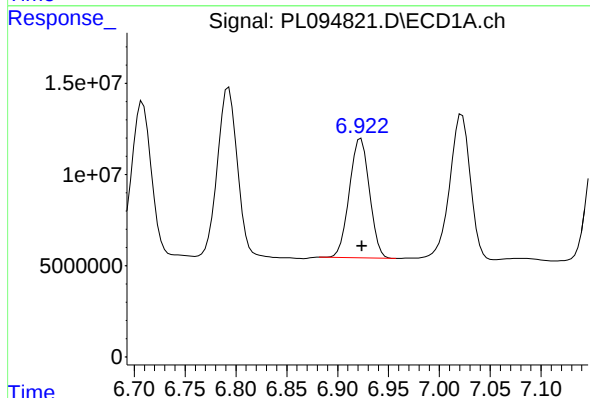
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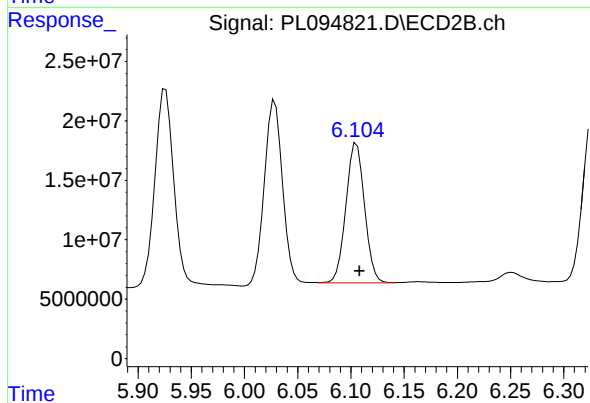
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 185881817
Conc: 46.10 ng/ml



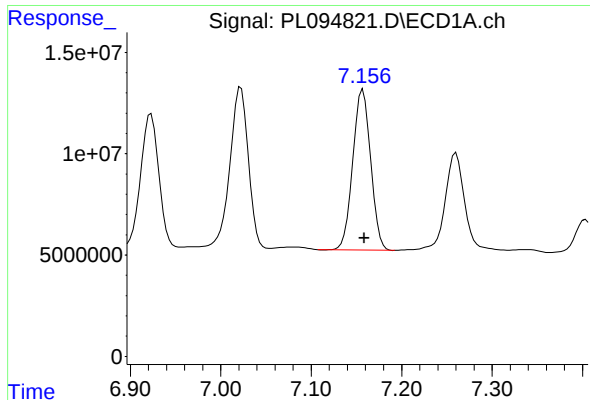
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 89956639
Conc: 42.61 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 141974452
Conc: 42.19 ng/ml m



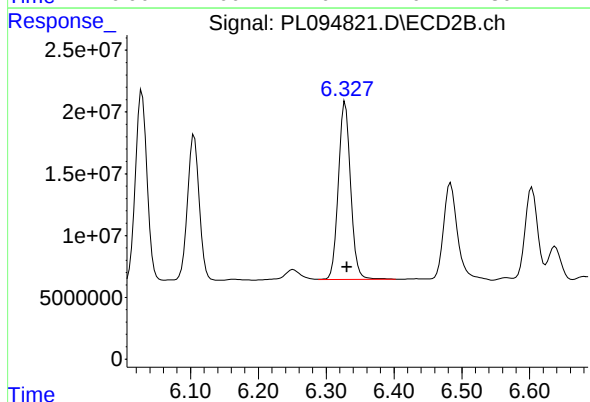
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.001 min
Response: 108960644
Conc: 44.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

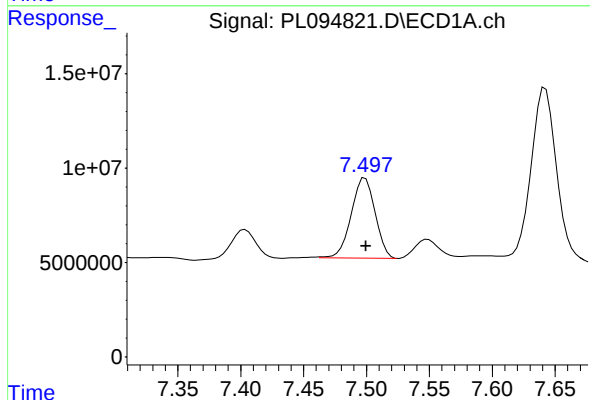
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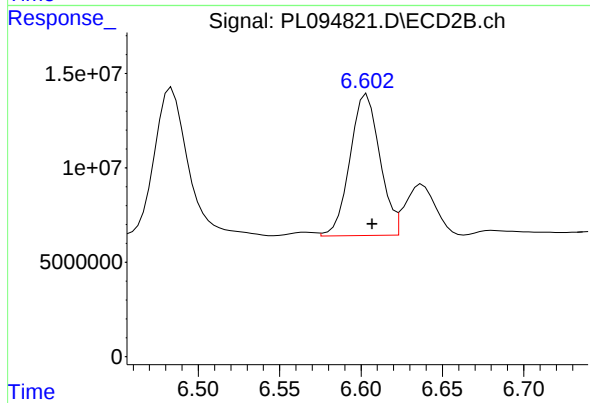
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 181706421
Conc: 44.61 ng/ml



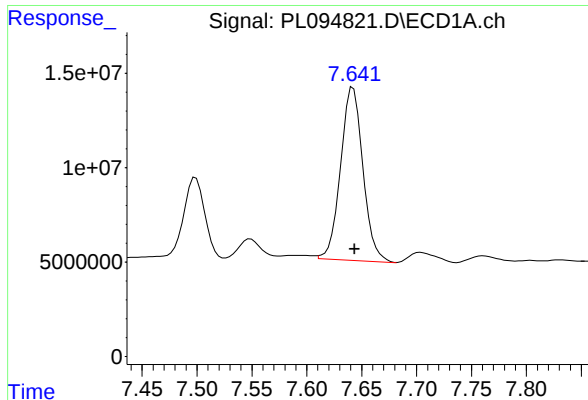
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 56121798
Conc: 46.88 ng/ml m



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 98507083
Conc: 46.44 ng/ml m



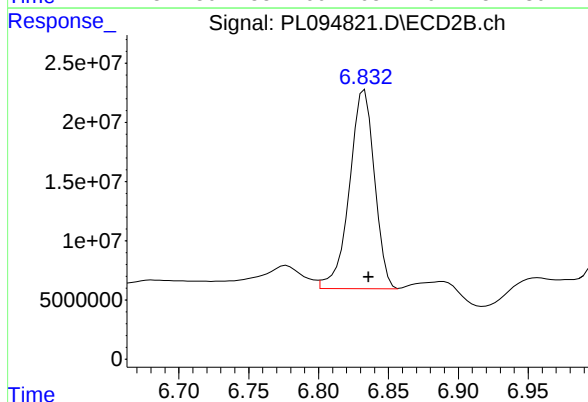
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 129541881
Conc: 49.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

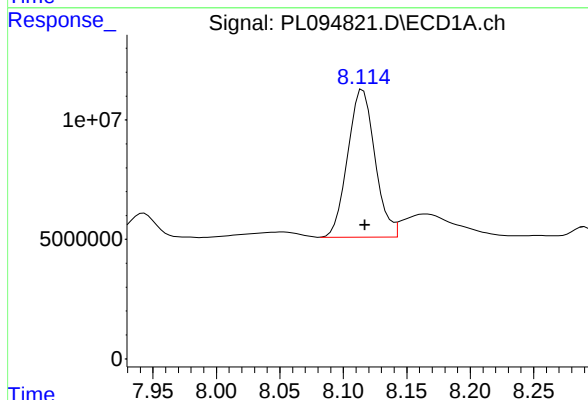
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/25/2025
Supervised By :mohammad ahmed 03/26/2025



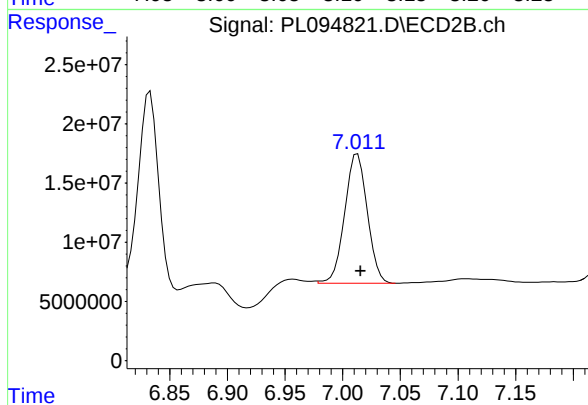
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 209866799
Conc: 43.97 ng/ml m



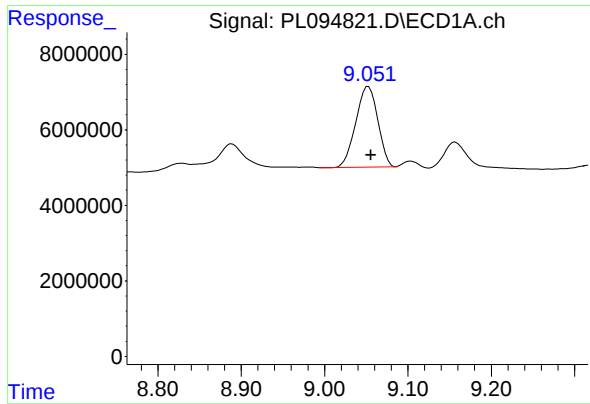
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 91756012
Conc: 44.41 ng/ml m



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.004 min
Response: 148173926
Conc: 39.04 ng/ml m



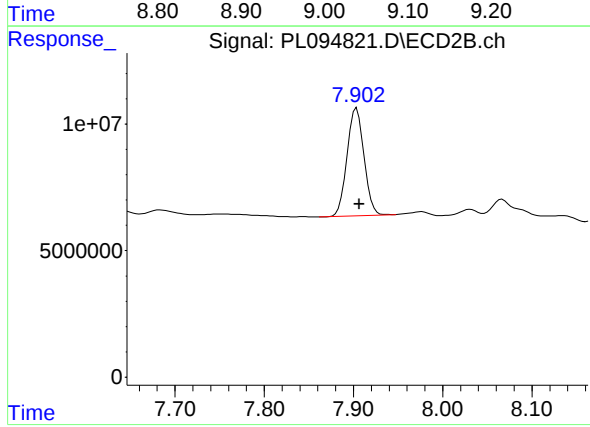
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 39010023
Conc: 18.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-5MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 03/26/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 56282833
Conc: 13.93 ng/ml