

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032425\
 Data File : PL094822.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Mar 2025 17:01
 Operator : AR\AJ
 Sample : PB167253BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167253BS

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 01:52:36 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...	3.541	2.770	56287378	77260505	19.885	21.646
28) SA Decachlor...	9.059	7.905	49812975	81977610	23.637	20.295
Target Compounds						
2) A alpha-BHC	3.998	3.272	184.3E6	272.4E6	44.389	50.522
3) MA gamma-BHC...	4.331	3.602	178.8E6	251.4E6	44.802	48.924
4) MA Heptachlor	4.919	3.940	170.3E6	250.3E6	43.866	47.505
5) MB Aldrin	5.260	4.220	164.3E6	235.3E6	44.503	48.252
6) B beta-BHC	4.530	3.903	82331292	112.8E6	44.619	50.769
7) B delta-BHC	4.776	4.132	192.7E6	252.9E6	49.482	50.564
8) B Heptachlo...	5.687	4.722	148.9E6	226.9E6	44.502	49.564
9) A Endosulfan I	6.073	5.092	143.1E6	219.3E6	46.608	49.963
10) B gamma-Chl...	5.944	4.971	154.5E6	239.3E6	45.852	49.557m
11) B alpha-Chl...	6.022	5.036	152.6E6	234.2E6	46.296	49.075
12) B 4,4'-DDE	6.196	5.225	151.5E6	239.8E6	51.487	51.596
13) MA Dieldrin	6.348	5.356	150.4E6	240.4E6	47.022	49.558
14) MA Endrin	6.576	5.632	124.9E6	214.6E6	45.070m	49.171
15) B Endosulfa...	6.798	5.927	129.1E6	214.2E6	47.560	49.497
16) A 4,4'-DDD	6.714	5.780	117.6E6	197.4E6	54.311	54.907
17) MA 4,4'-DDT	7.028	6.031	120.1E6	204.6E6	50.512	50.745
18) B Endrin al...	6.928	6.107	101.9E6	165.8E6	48.260	49.268
19) B Endosulfa...	7.163	6.329	117.3E6	206.0E6	48.237	50.583
20) A Methoxychlor	7.504	6.606	61187713	111.7E6	51.114	52.646
21) B Endrin ke...	7.647	6.834	131.0E6	241.7E6	49.565	50.649m
22) Mirex	8.120	7.014	95203733	179.3E6	46.075	47.244

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032425\
Data File : PL094822.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Mar 2025 17:01
Operator : AR\AJ
Sample : PB167253BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167253BS

Manual Integrations

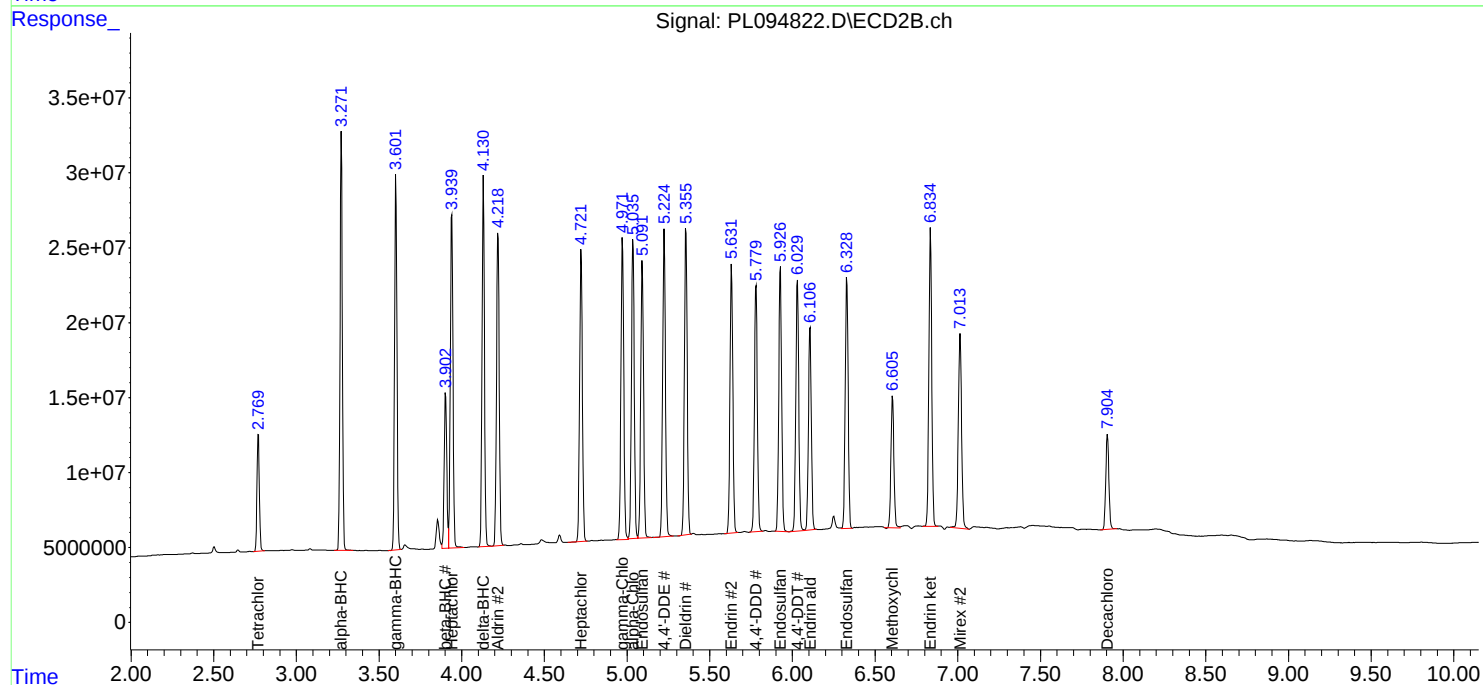
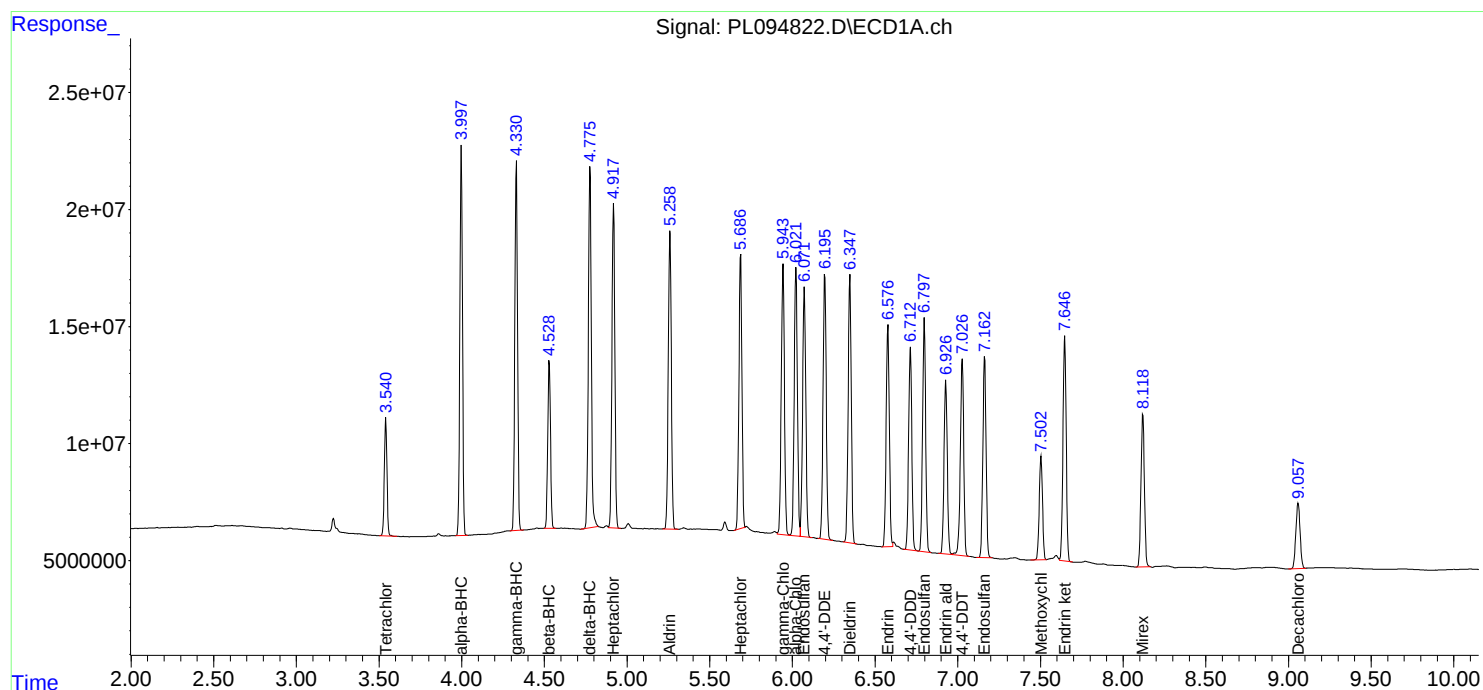
APPROVED

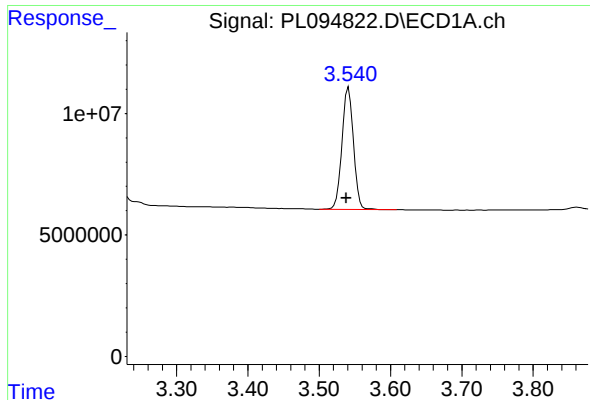
Reviewed By :Abdul Mirza 03/25/2025

Supervised By :mohammad ahmed 03/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 25 01:52:36 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





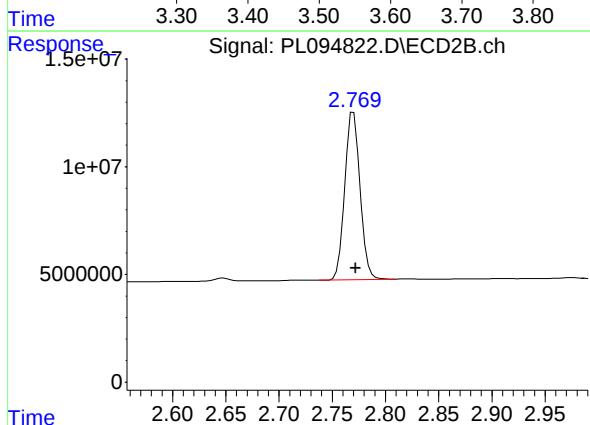
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 56287378
Conc: 19.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

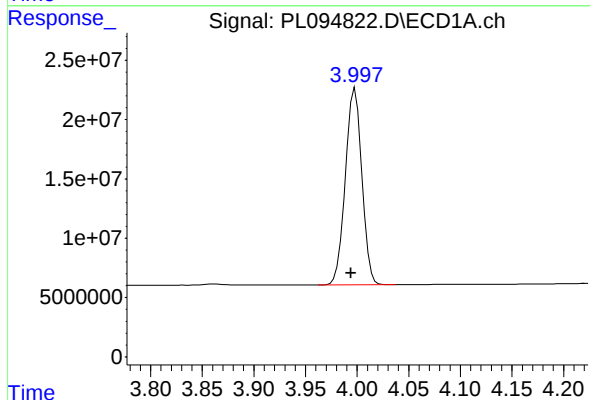
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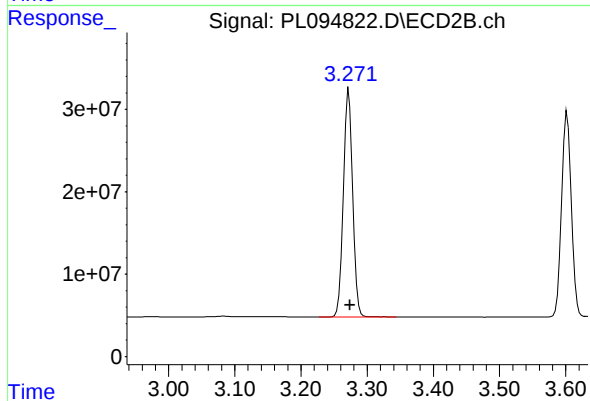
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 77260505
Conc: 21.65 ng/ml



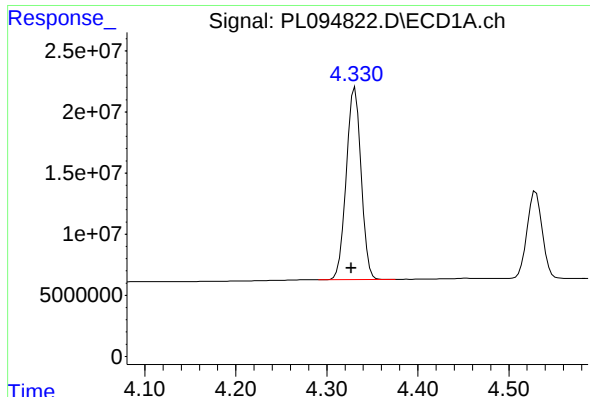
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 184319652
Conc: 44.39 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 272381384
Conc: 50.52 ng/ml



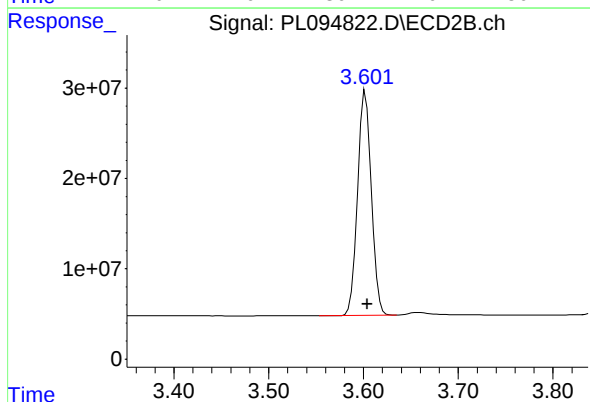
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.004 min
Response: 178772487
Conc: 44.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

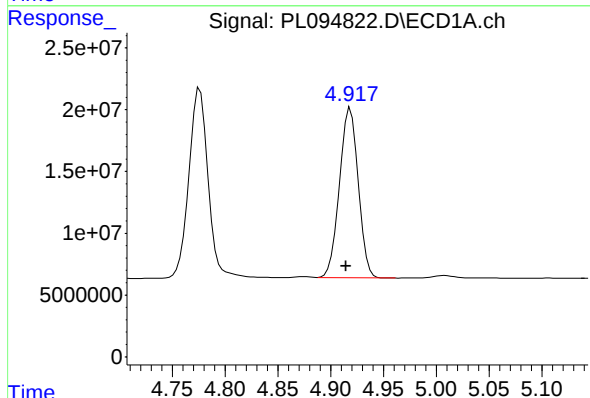
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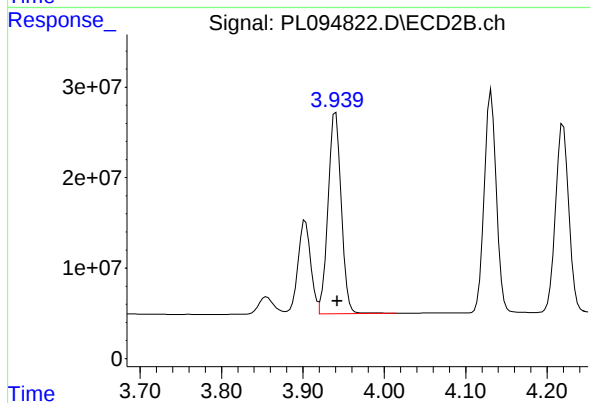
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 251442749
Conc: 48.92 ng/ml



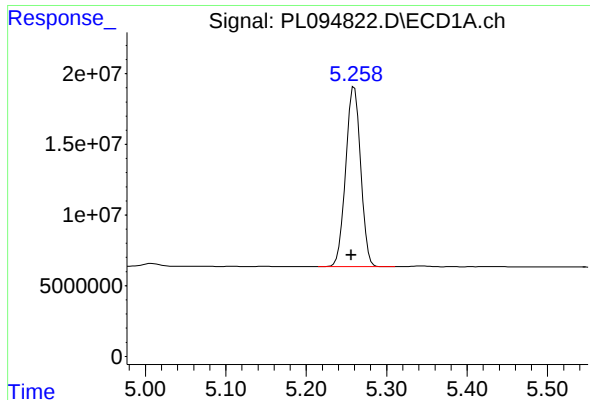
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: 0.004 min
Response: 170272039
Conc: 43.87 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.002 min
Response: 250287225
Conc: 47.51 ng/ml



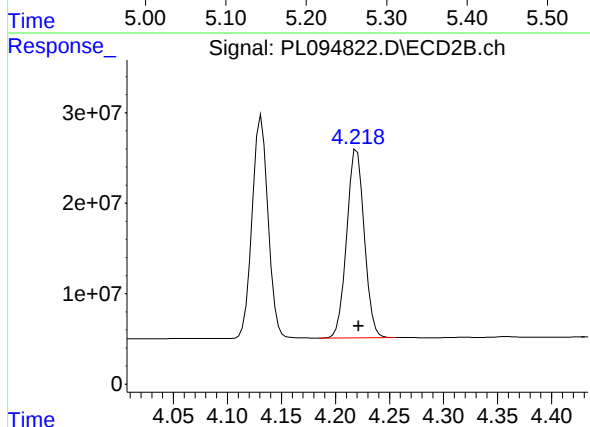
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.004 min
Response: 164316294
Conc: 44.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

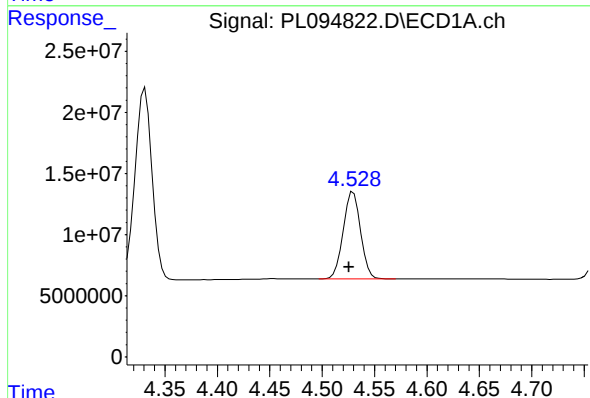
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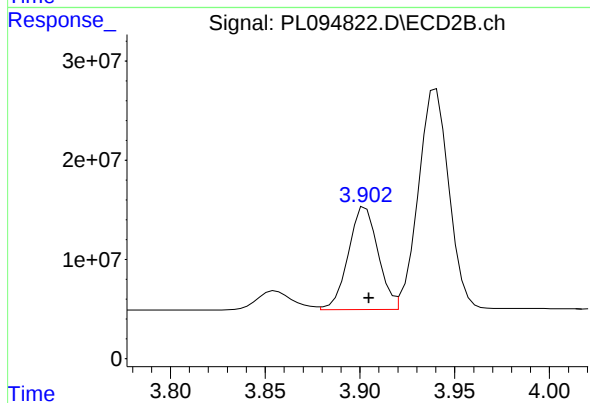
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 235294140
Conc: 48.25 ng/ml



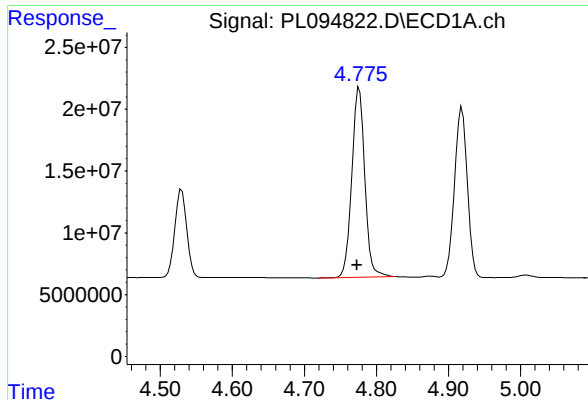
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.004 min
Response: 82331292
Conc: 44.62 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 112773176
Conc: 50.77 ng/ml



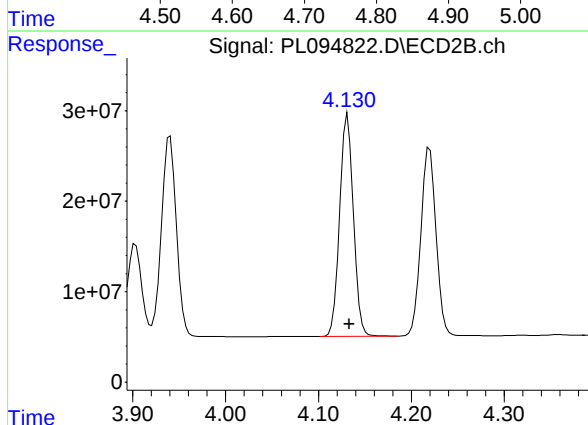
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.003 min
Response: 192699534
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

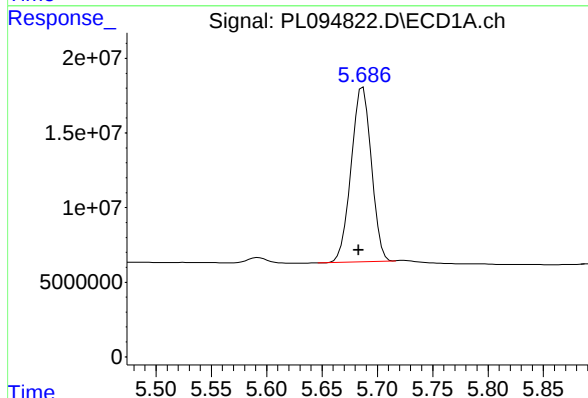
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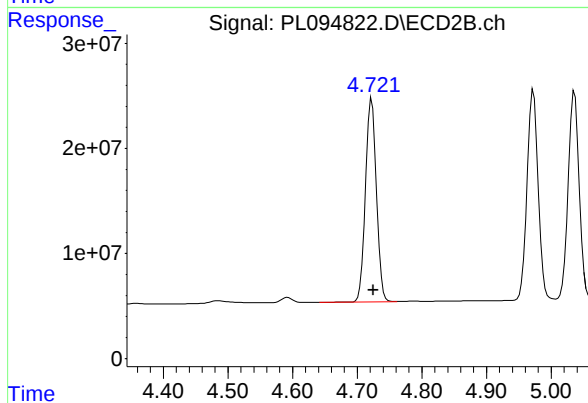
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.002 min
Response: 252919016
Conc: 50.56 ng/ml



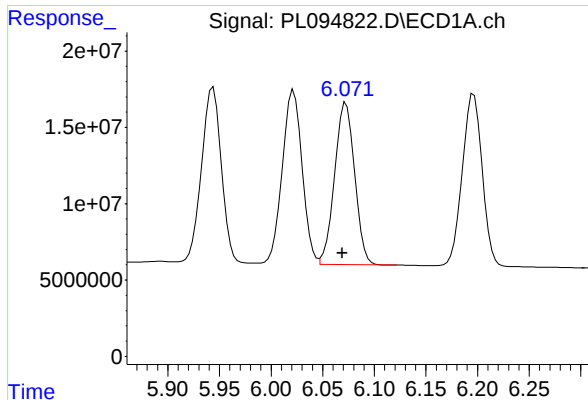
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.004 min
Response: 148866799
Conc: 44.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 226933337
Conc: 49.56 ng/ml



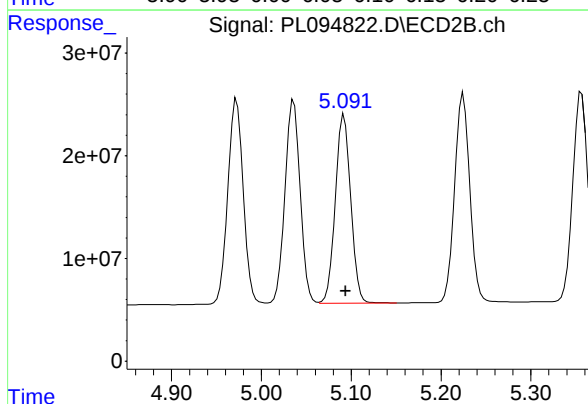
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.004 min
Response: 143094868
Conc: 46.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

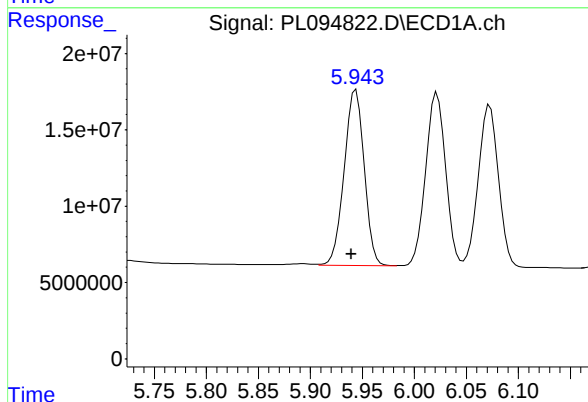
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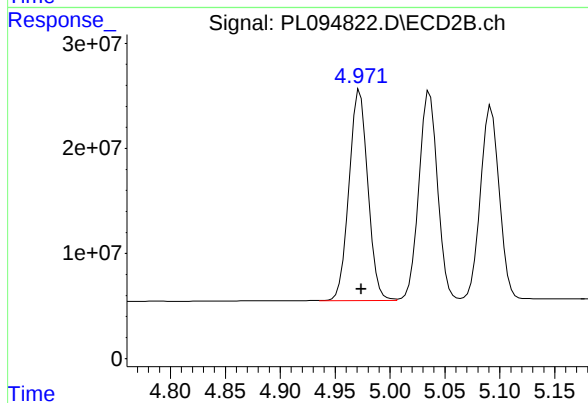
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 219274516
Conc: 49.96 ng/ml



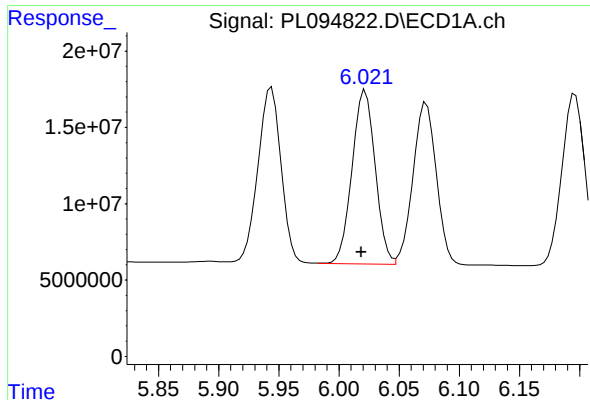
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 154491461
Conc: 45.85 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 239280206
Conc: 49.56 ng/ml m



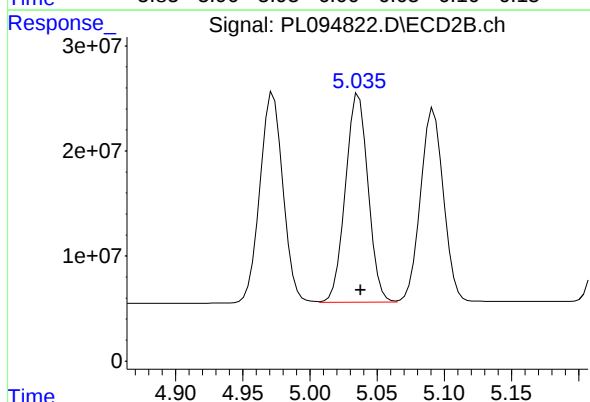
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.003 min
Response: 152630892
Conc: 46.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

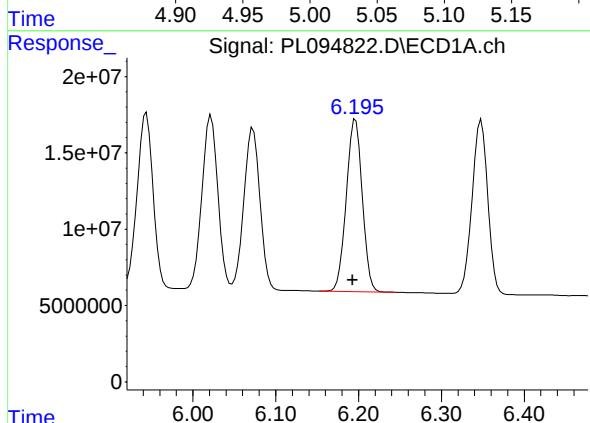
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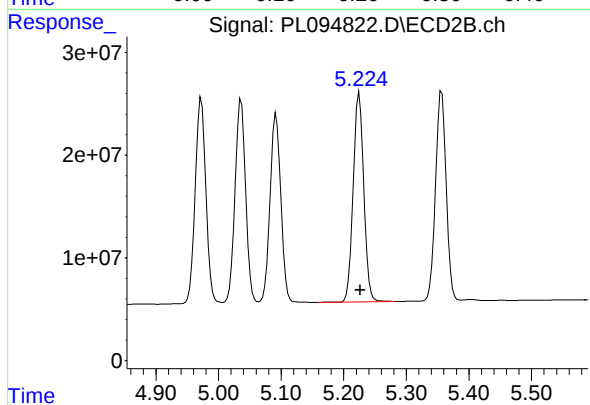
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.001 min
Response: 234223942
Conc: 49.08 ng/ml



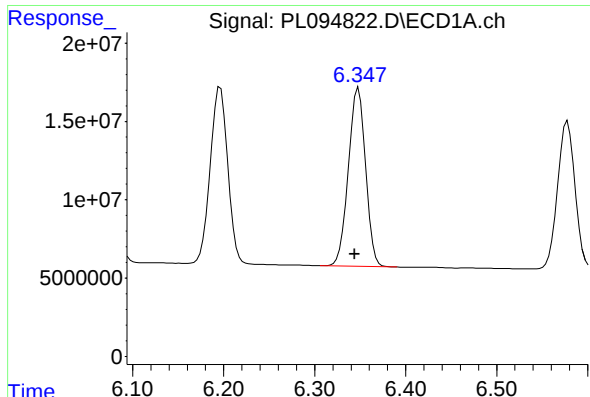
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.003 min
Response: 151478776
Conc: 51.49 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.002 min
Response: 239847122
Conc: 51.60 ng/ml



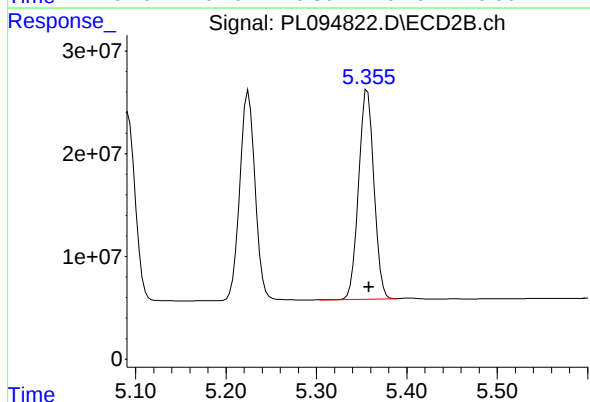
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.004 min
Response: 150381380
Conc: 47.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

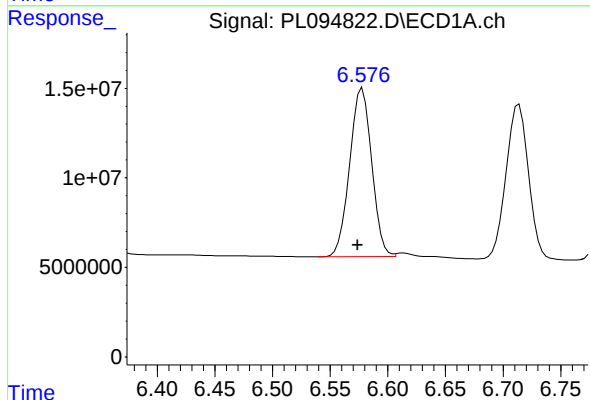
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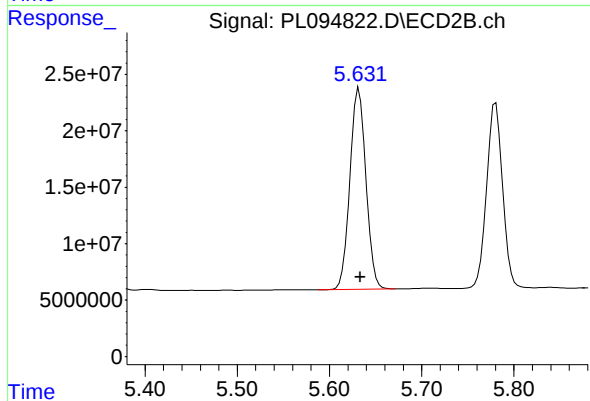
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 240444809
Conc: 49.56 ng/ml



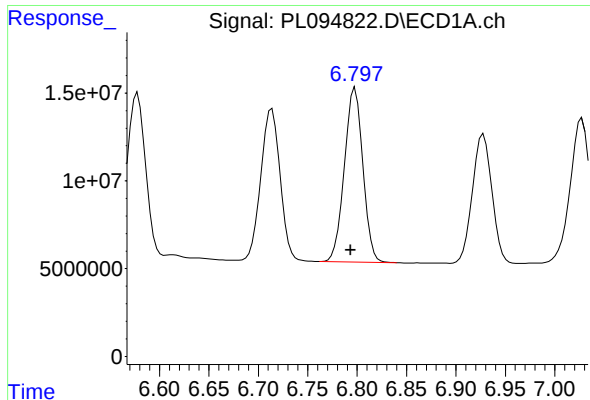
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.003 min
Response: 124938384
Conc: 45.07 ng/ml m



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 214566343
Conc: 49.17 ng/ml



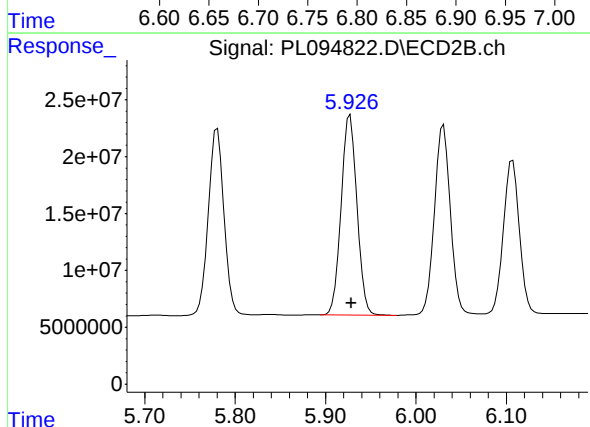
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.004 min
Response: 129111819
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

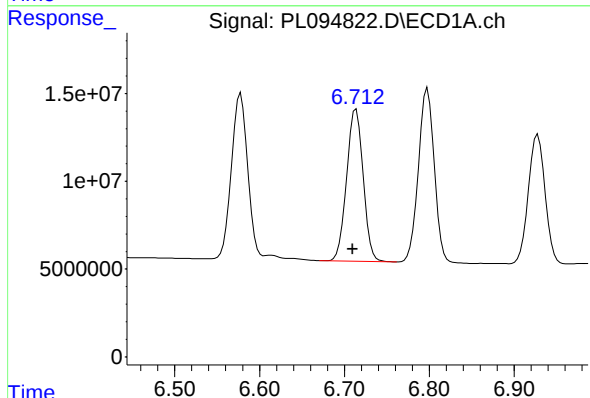
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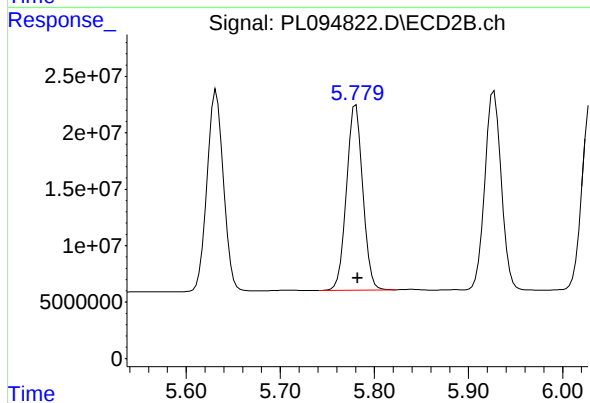
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.001 min
Response: 214233861
Conc: 49.50 ng/ml



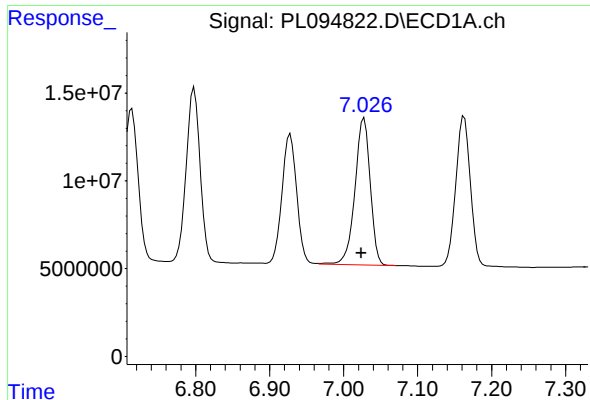
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.004 min
Response: 117642049
Conc: 54.31 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 197438917
Conc: 54.91 ng/ml



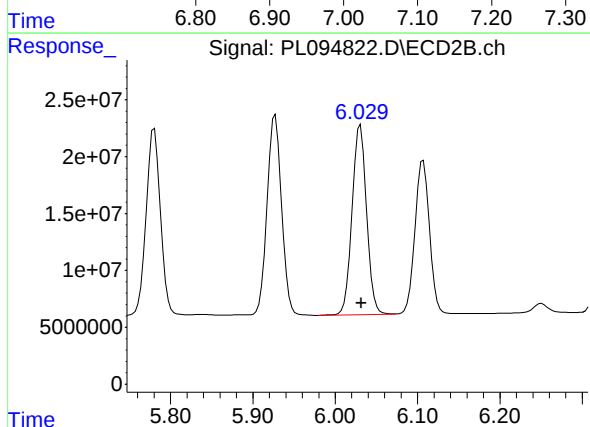
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.004 min
Response: 120144569
Conc: 50.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

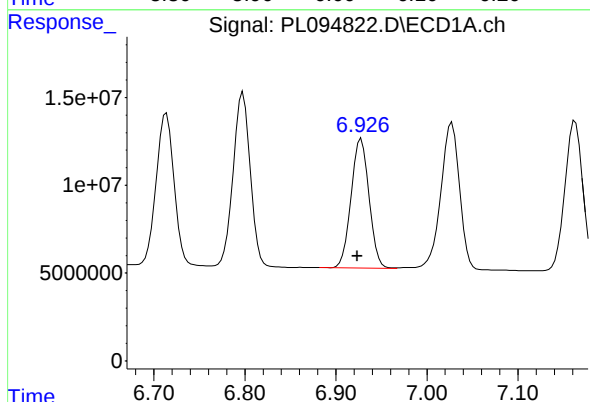
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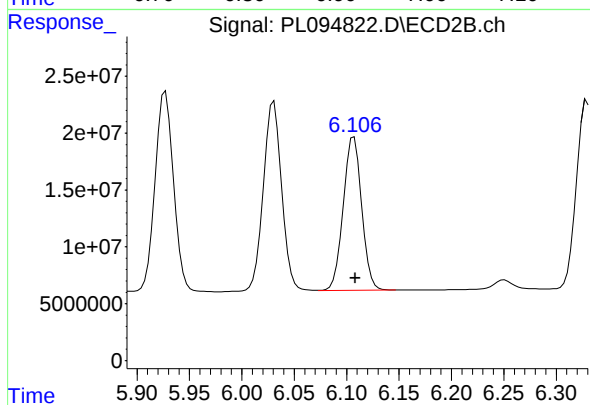
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.001 min
Response: 204609213
Conc: 50.74 ng/ml



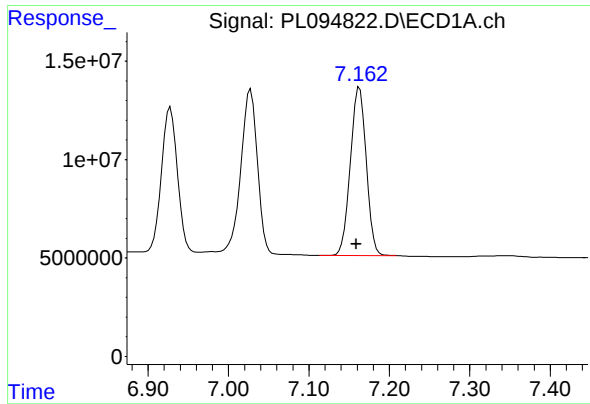
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.004 min
Response: 101876775
Conc: 48.26 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 165803981
Conc: 49.27 ng/ml



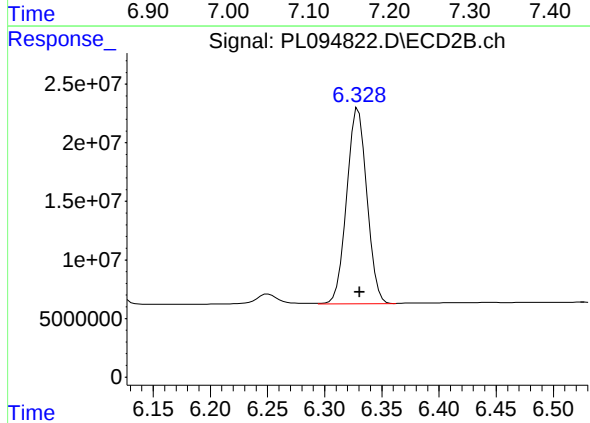
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.004 min
Response: 117313346
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

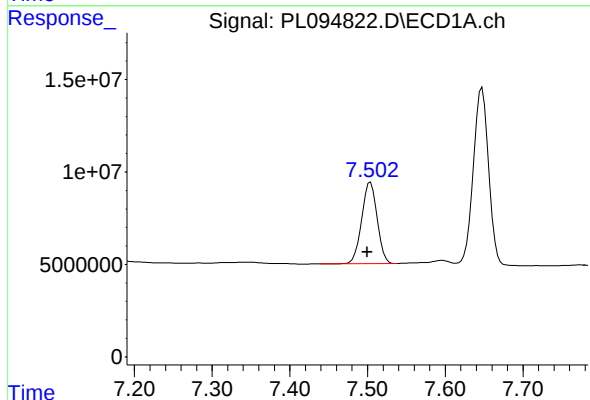
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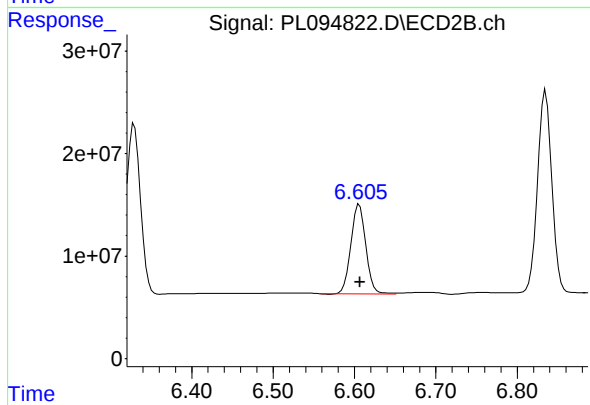
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.001 min
Response: 206048328
Conc: 50.58 ng/ml



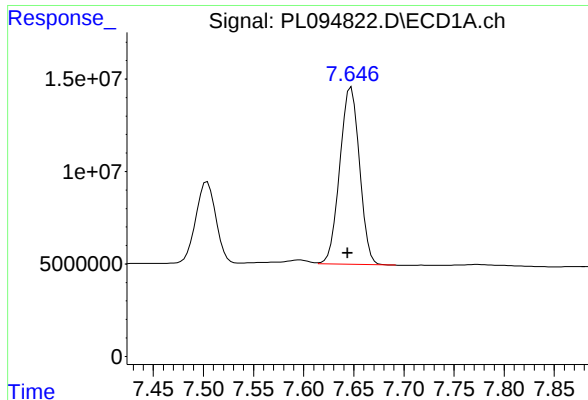
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.004 min
Response: 61187713
Conc: 51.11 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 111665555
Conc: 52.65 ng/ml



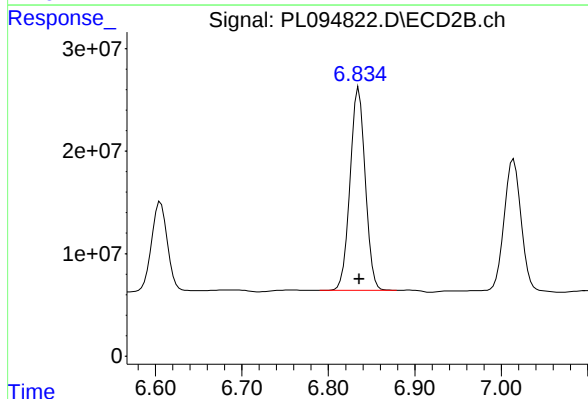
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.004 min
Response: 131012898
Conc: 49.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

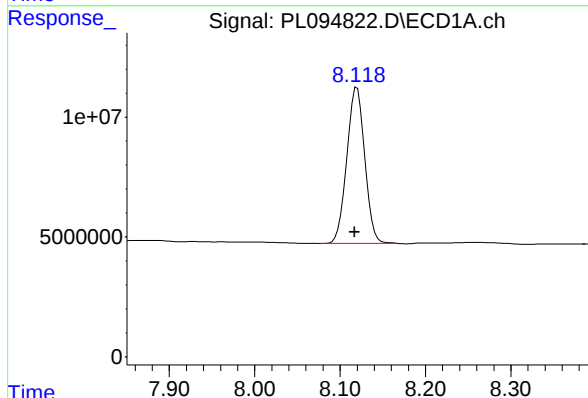
Manual Integrations
APPROVED

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



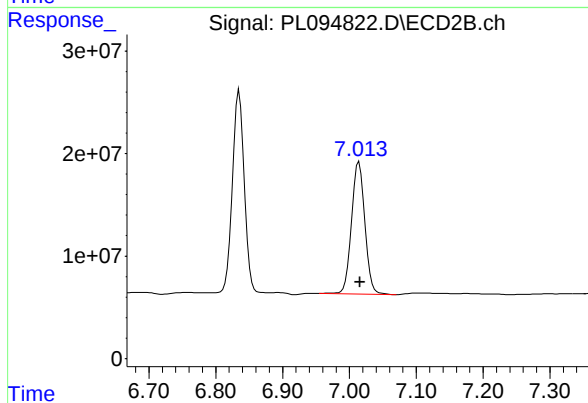
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.002 min
Response: 241727358
Conc: 50.65 ng/ml m



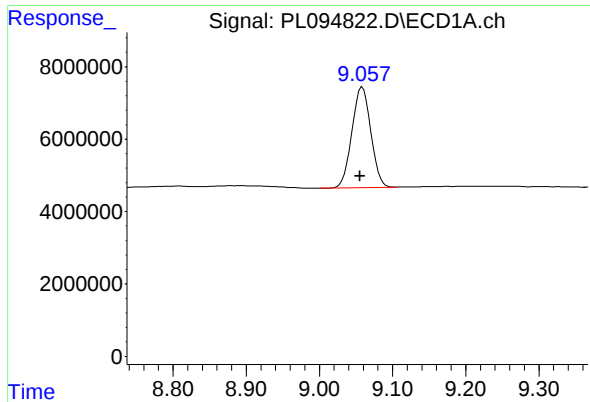
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.003 min
Response: 95203733
Conc: 46.07 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 179307171
Conc: 47.24 ng/ml



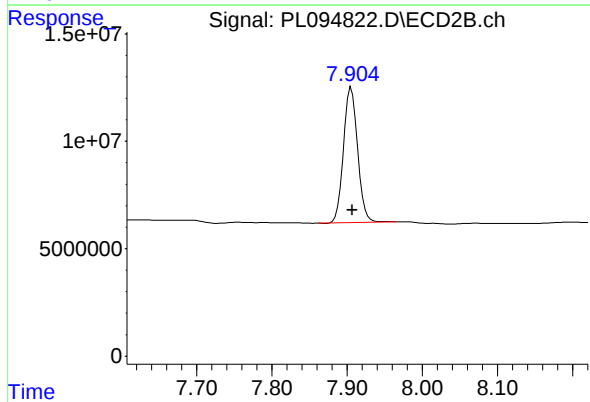
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.003 min
Response: 49812975
Conc: 23.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167253BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 81977610
Conc: 20.29 ng/ml