

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061225\
 Data File : PL096032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Jun 2025 18:19
 Operator : AR\AJ
 Sample : Q2296-13MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-4MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 22:53:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061125.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 11 14:04:36 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...	3.570	2.883	52795406	64825541	16.248m	15.972
28)	SA Decachlor...	9.113	8.065	41672438	81279235	17.048	17.095
Target Compounds							
2)	A alpha-BHC	4.023	3.392	234.1E6	293.8E6	46.860	48.162
3)	MA gamma-BHC...	4.354	3.725	217.5E6	278.3E6	46.630	47.865
4)	MA Heptachlor	4.951	4.078	187.8E6	272.0E6	45.549	47.202
5)	MB Aldrin	5.294	4.362	207.5E6	264.4E6	46.597	48.192
6)	B beta-BHC	4.542	4.021	96010232	121.0E6	48.459	46.971
7)	B delta-BHC	4.790	4.256	213.9E6	280.2E6	47.009	48.453
8)	B Heptachlo...	5.715	4.864	184.8E6	246.8E6	46.851	48.088
9)	A Endosulfan I	6.098	5.237	174.1E6	242.1E6	46.568	43.766
10)	B gamma-Chl...	5.969	5.117	186.5E6	262.0E6	46.133	48.185
11)	B alpha-Chl...	6.050	5.181	187.0E6	261.5E6	46.405	45.888
12)	B 4,4'-DDE	6.222	5.369	175.0E6	258.4E6	47.054	47.693
13)	MA Dieldrin	6.372	5.503	187.2E6	261.6E6	46.962	48.215
14)	MA Endrin	6.600	5.778	152.1E6	237.9E6	48.010	50.092
15)	B Endosulfa...	6.813	6.070	155.2E6	236.0E6	44.664	47.916
16)	A 4,4'-DDD	6.733	5.924	141.5E6	217.5E6	47.051	47.522
17)	MA 4,4'-DDT	7.048	6.178	132.0E6	229.5E6	46.377	48.688
18)	B Endrin al...	6.942	6.249	115.9E6	174.1E6	46.760	47.447
19)	B Endosulfa...	7.177	6.473	141.7E6	215.7E6	45.814	45.995
20)	A Methoxychlor	7.524	6.750	66144759	121.9E6	46.196	47.370
21)	B Endrin ke...	7.659	6.979	152.0E6	260.3E6	45.295	47.045
22)	Mirex	8.141	7.172	114.7E6	202.7E6	45.450	46.461

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061225\
Data File : PL096032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2025 18:19
Operator : AR\AJ
Sample : Q2296-13MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

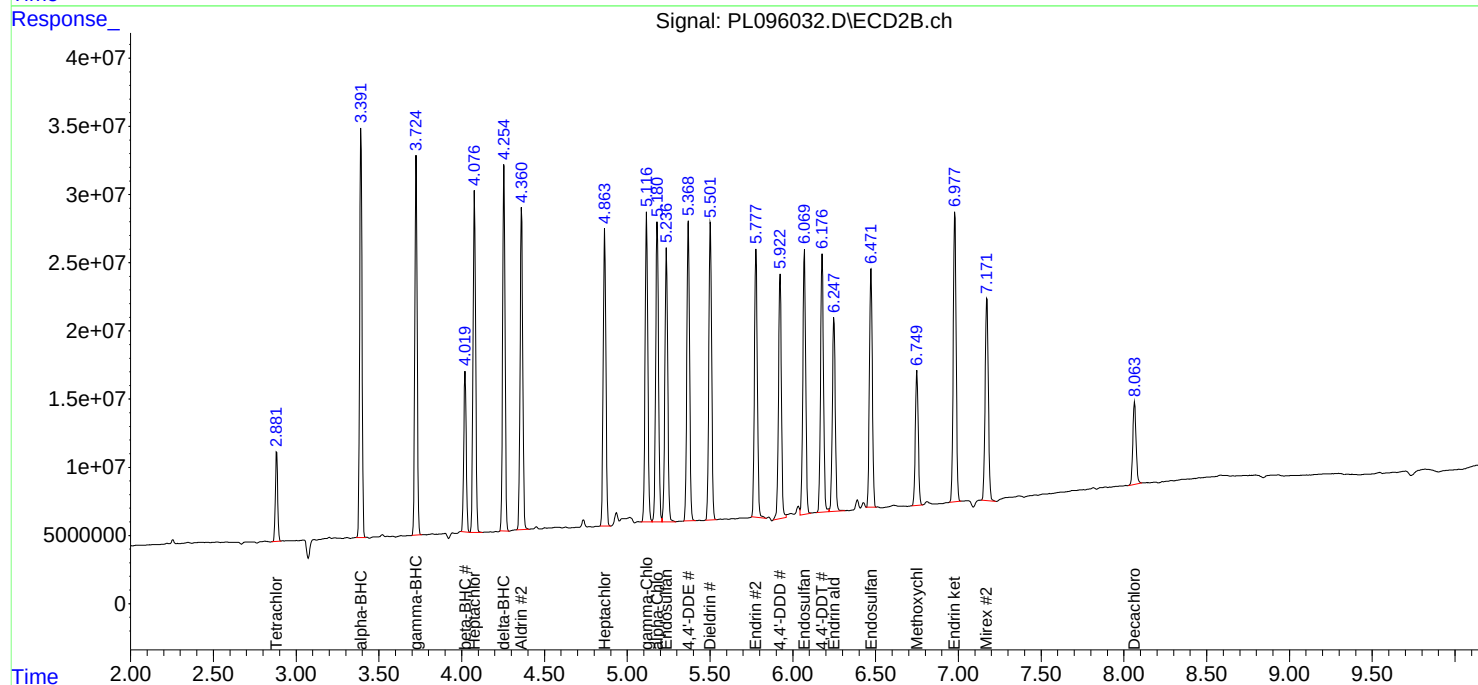
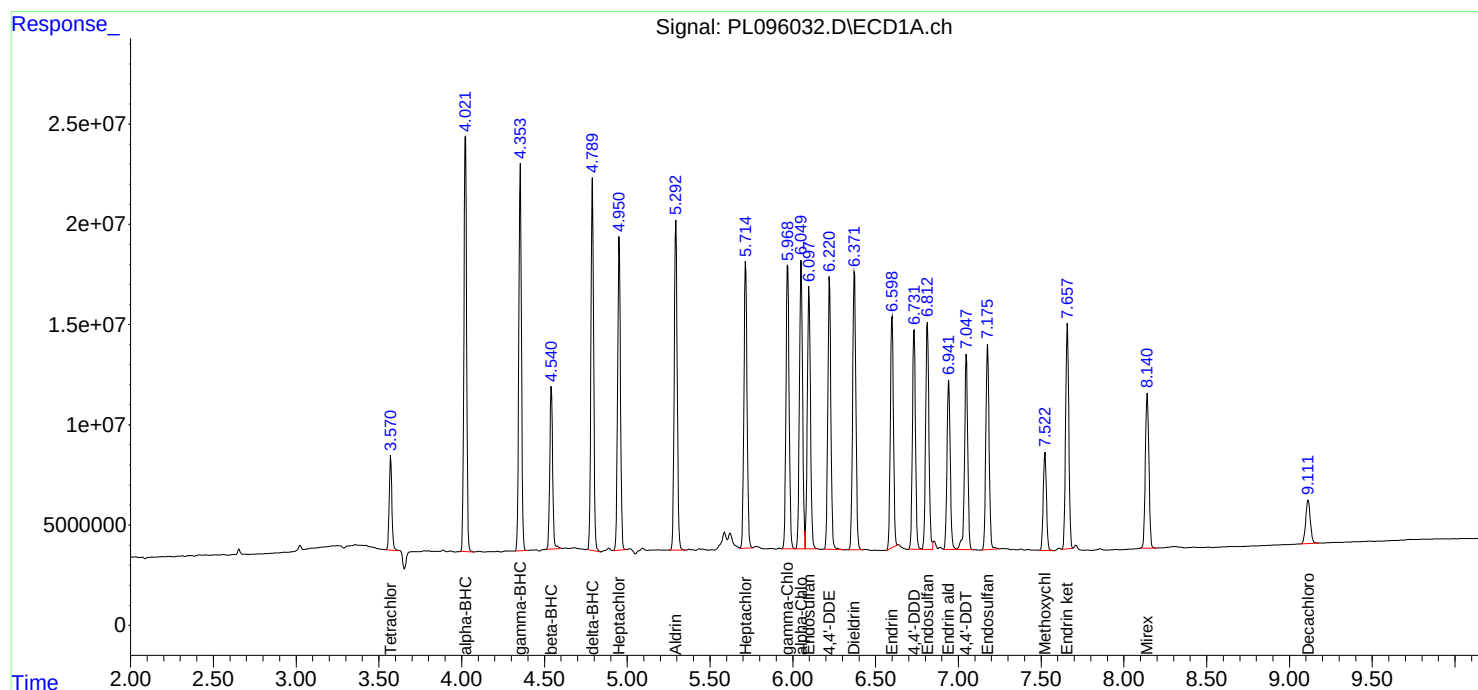
Instrument :
ECD_L
ClientSampleId :
WC-4MSD

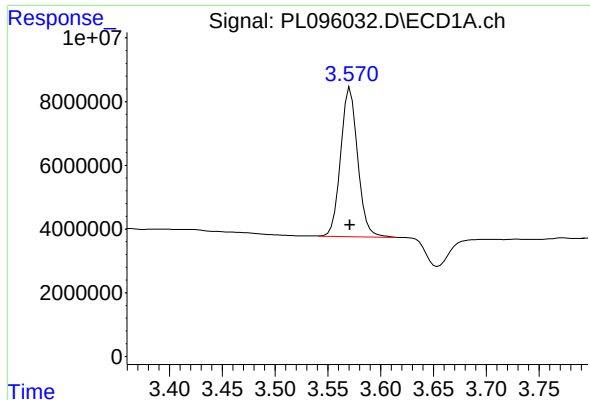
Manual Integrations
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Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 22:53:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061125.M
Quant Title : GC Extractables
QLast Update : Wed Jun 11 14:04:36 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





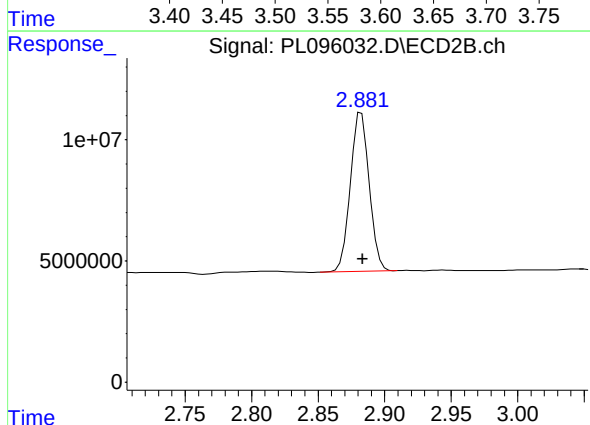
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: -0.001 min
Response: 52795406
Conc: 16.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

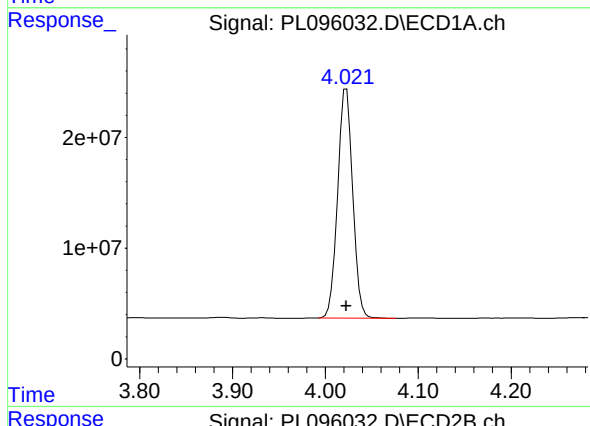
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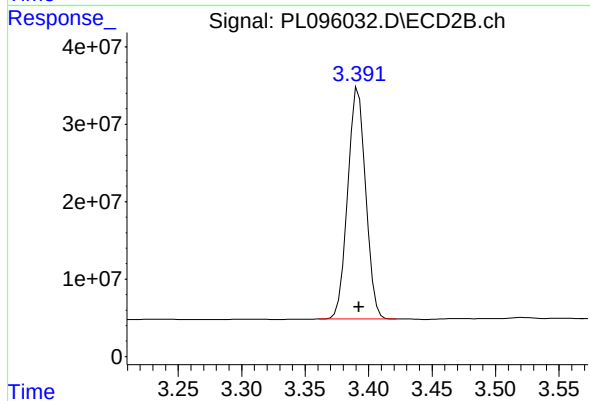
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 64825541
Conc: 15.97 ng/ml



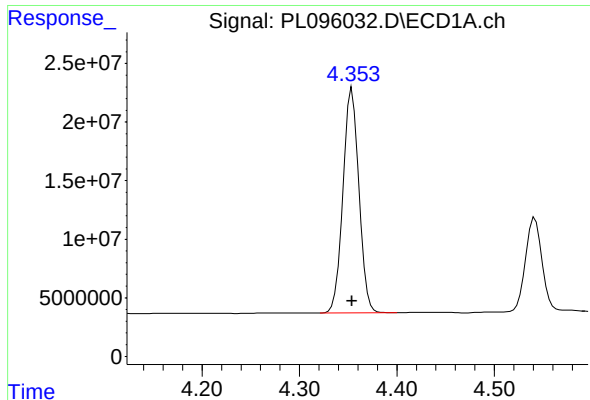
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 234072943
Conc: 46.86 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 293796822
Conc: 48.16 ng/ml



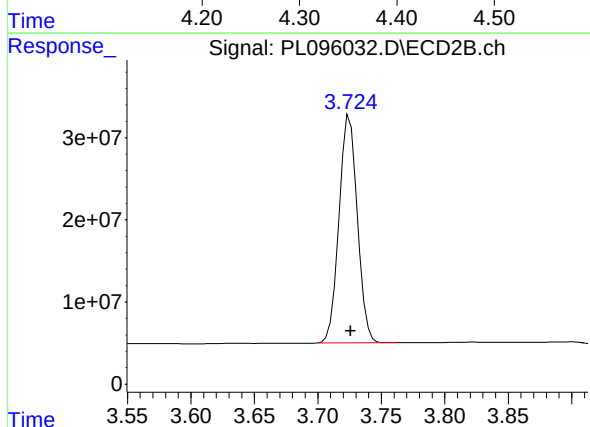
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 217504596
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

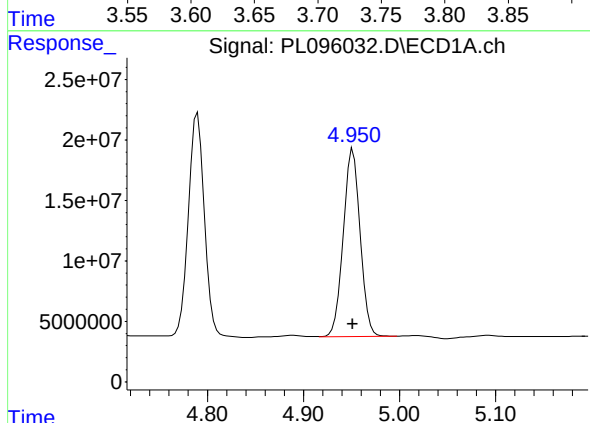
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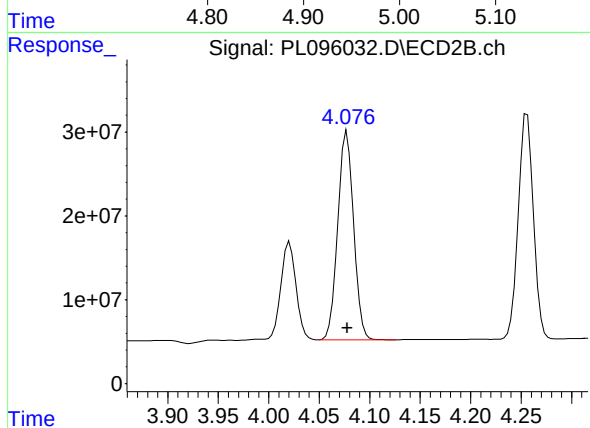
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 278294115
Conc: 47.86 ng/ml



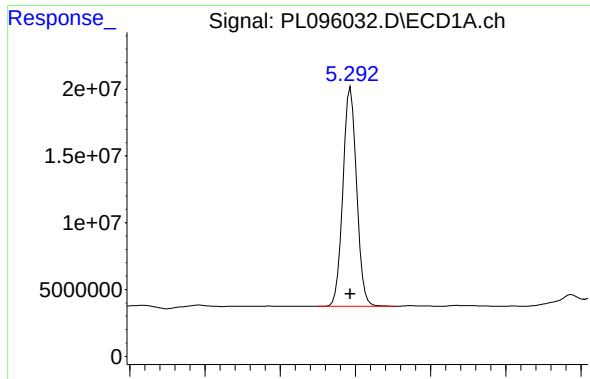
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.000 min
Response: 187782867
Conc: 45.55 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 272009855
Conc: 47.20 ng/ml



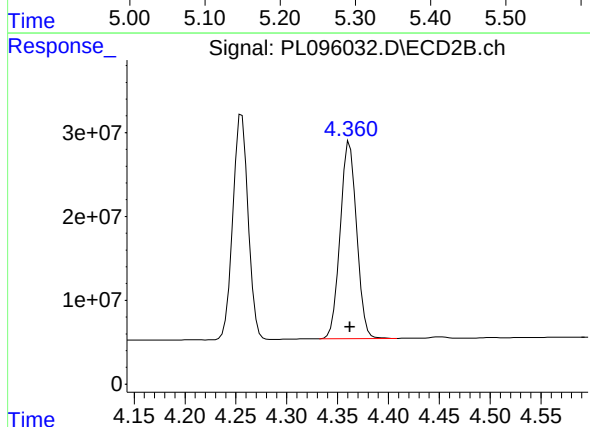
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 207517367
Conc: 46.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

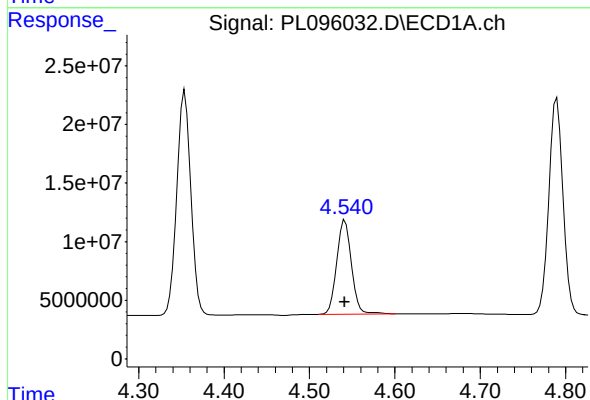
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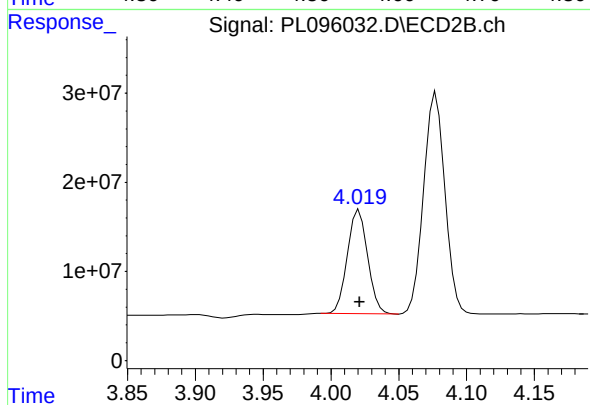
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 264369571
Conc: 48.19 ng/ml



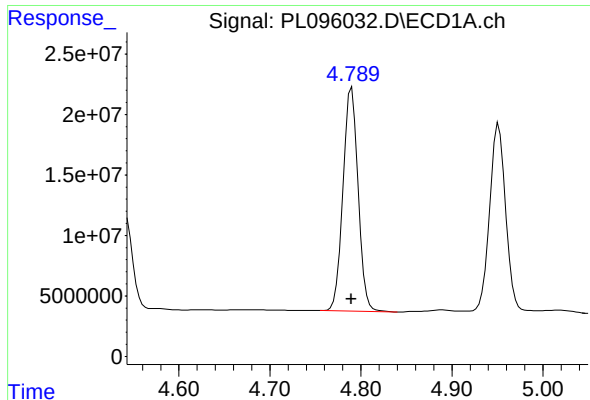
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: 0.000 min
Response: 96010232
Conc: 48.46 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 120958188
Conc: 46.97 ng/ml



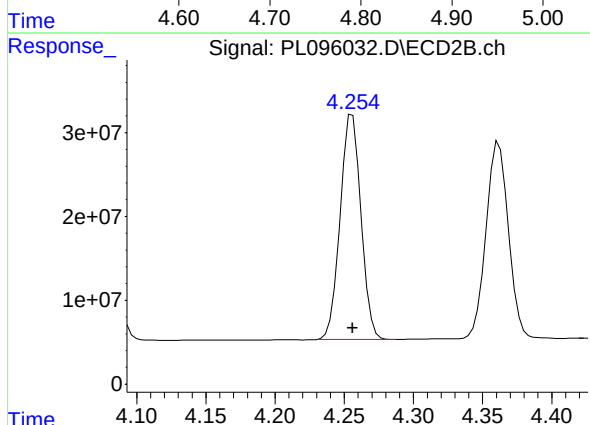
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 213858656
Conc: 47.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

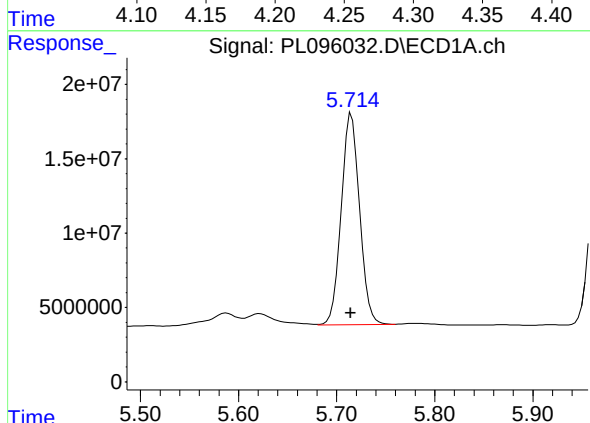
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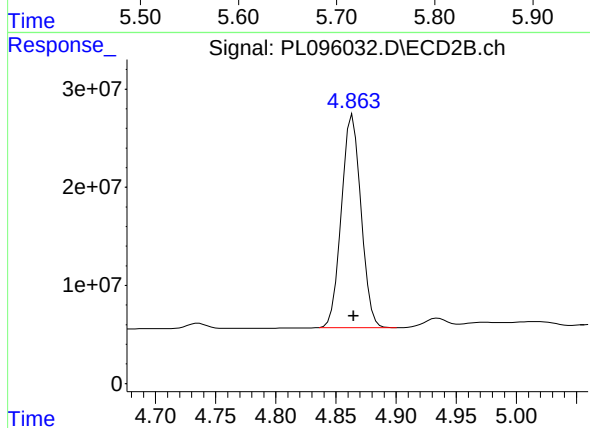
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 280223847
Conc: 48.45 ng/ml



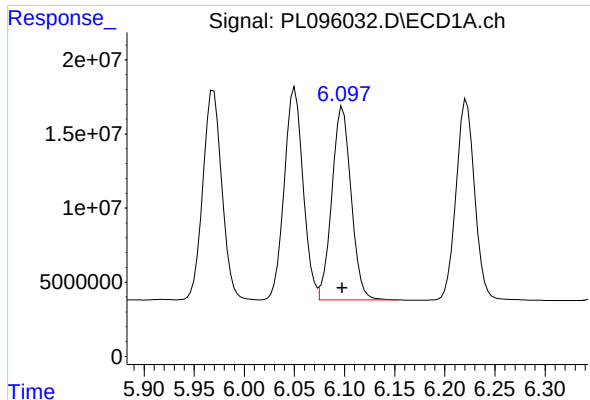
#8 Heptachlor epoxide

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 184806583
Conc: 46.85 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 246806725
Conc: 48.09 ng/ml



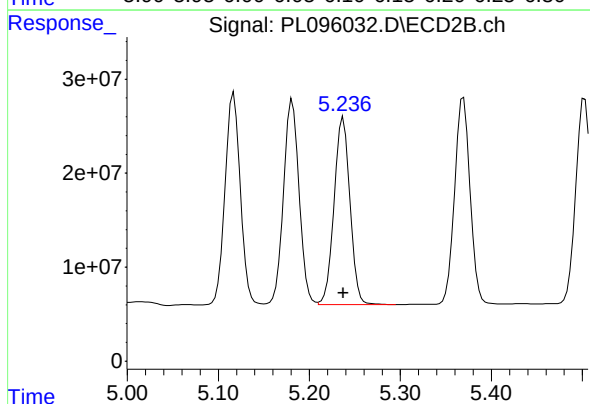
#9 Endosulfan I

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 174086201
Conc: 46.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

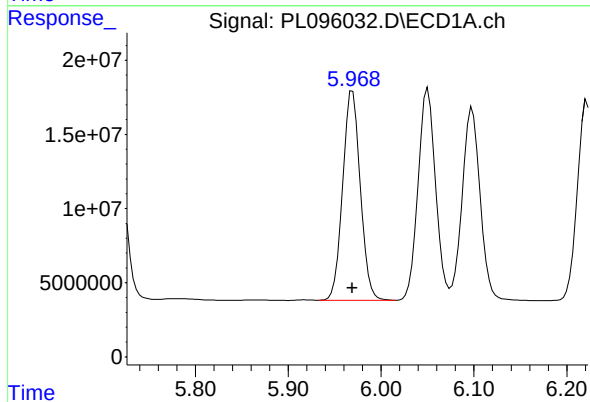
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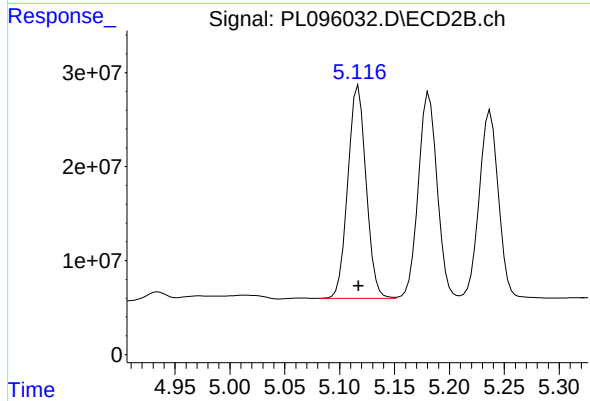
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: 0.000 min
Response: 242135456
Conc: 43.77 ng/ml



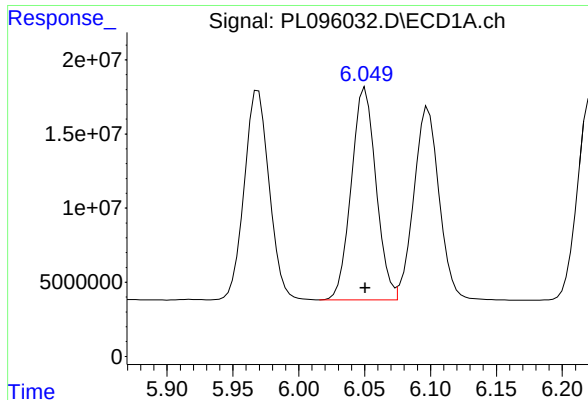
#10 gamma-Chlordane

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 186485486
Conc: 46.13 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 261987975
Conc: 48.18 ng/ml



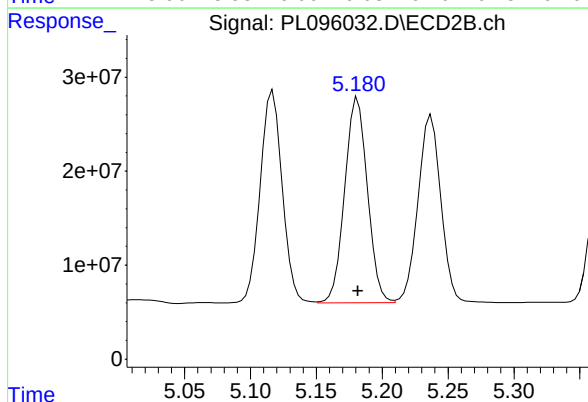
#11 alpha-Chlordane

R.T.: 6.050 min
Delta R.T.: 0.000 min
Response: 186998606
Conc: 46.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

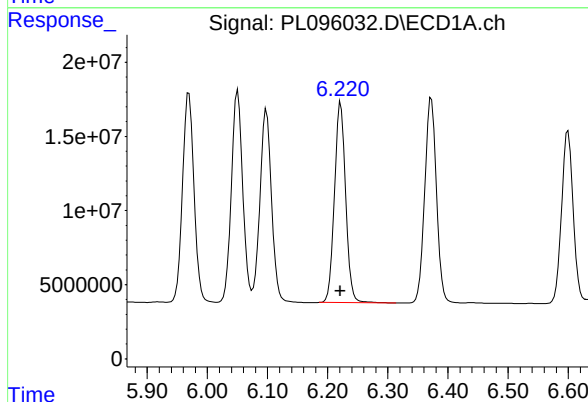
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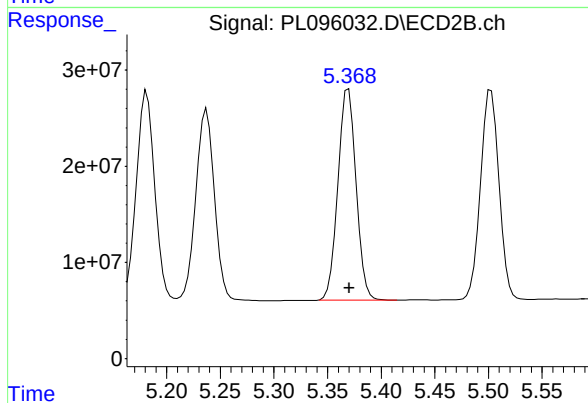
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 261528921
Conc: 45.89 ng/ml



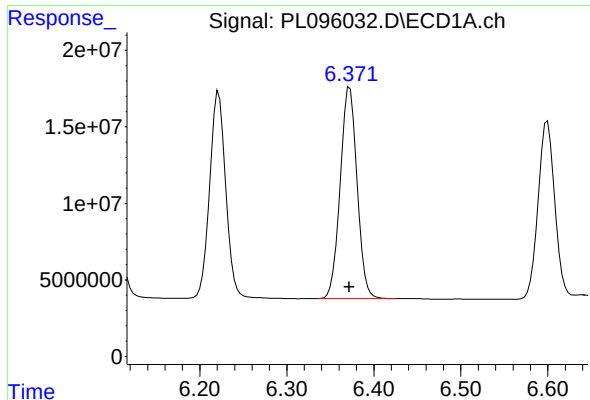
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: 0.000 min
Response: 175049502
Conc: 47.05 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 258389431
Conc: 47.69 ng/ml



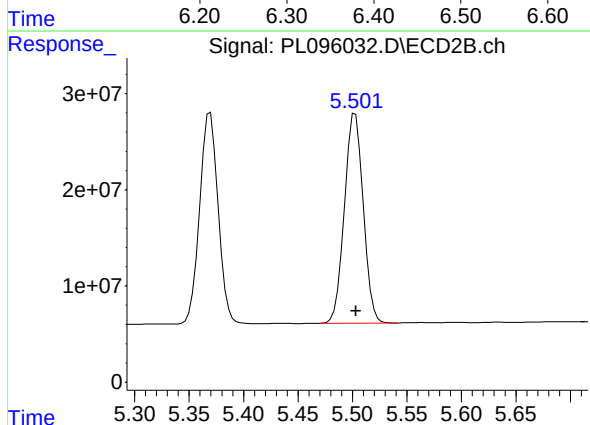
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: 0.000 min
Response: 187164493
Conc: 46.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

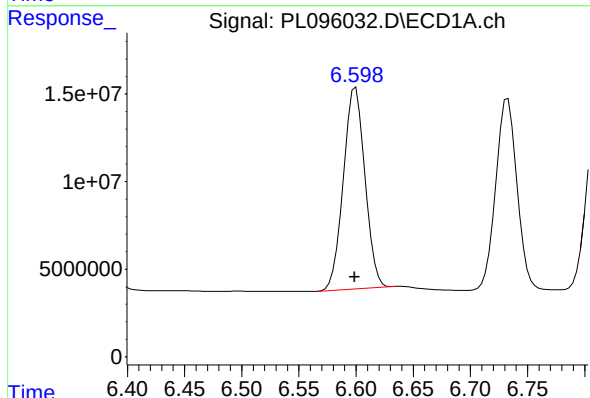
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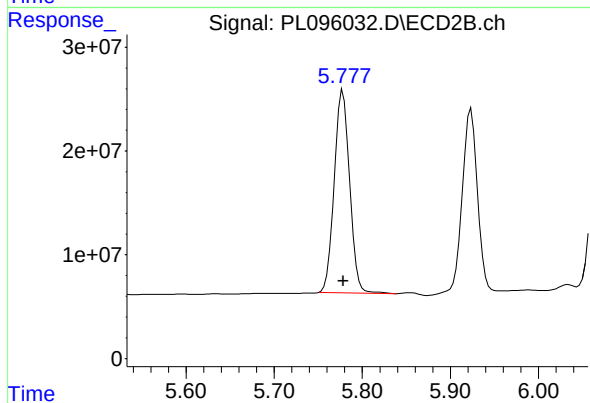
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 261639479
Conc: 48.22 ng/ml



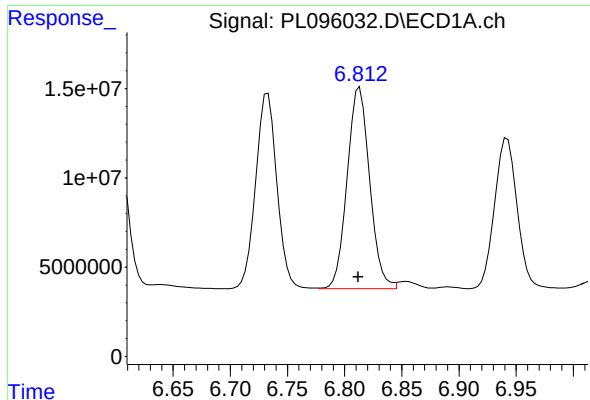
#14 Endrin

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 152060091
Conc: 48.01 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 237909887
Conc: 50.09 ng/ml



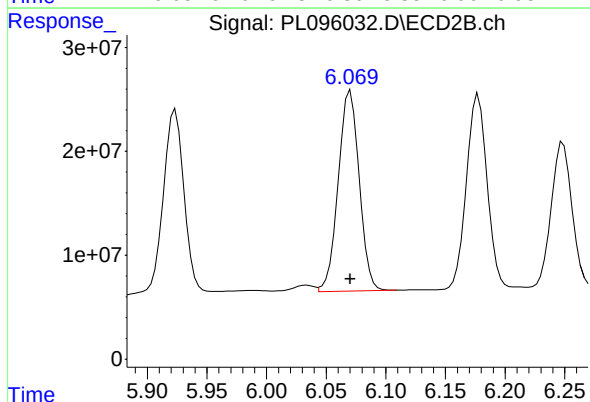
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: 0.001 min
Response: 155225567
Conc: 44.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

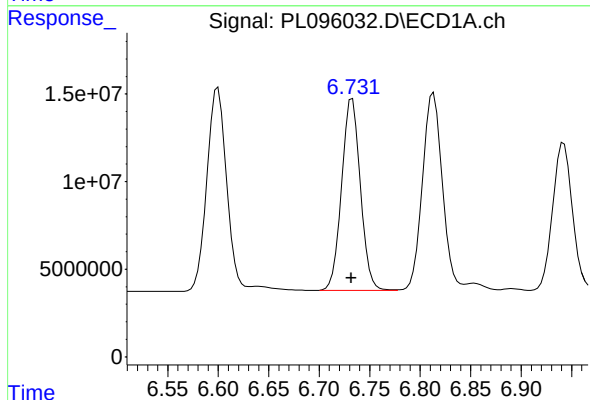
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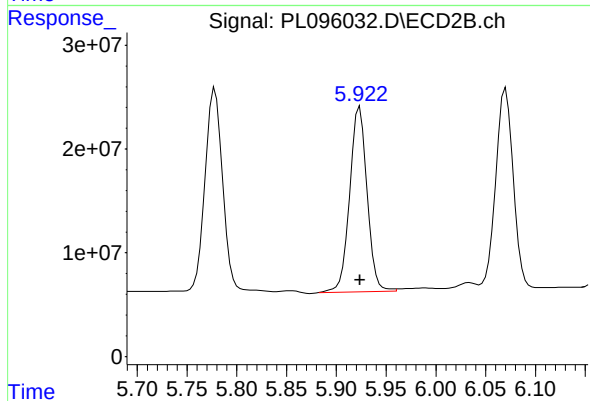
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 235999072
Conc: 47.92 ng/ml



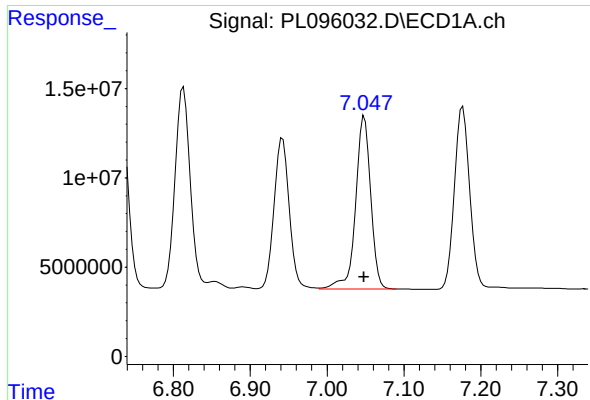
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 141469979
Conc: 47.05 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 217485247
Conc: 47.52 ng/ml



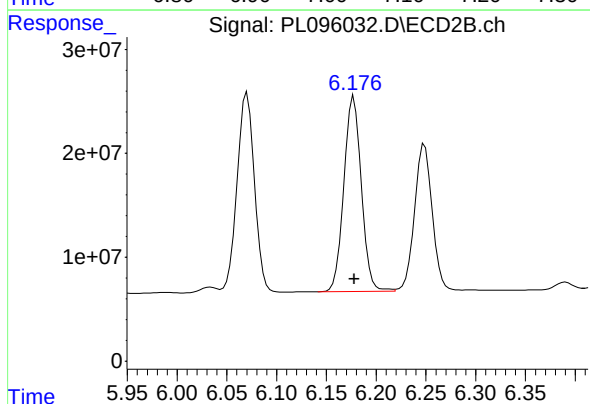
#17 4,4'-DDT

R.T.: 7.048 min
Delta R.T.: 0.000 min
Response: 132013024
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

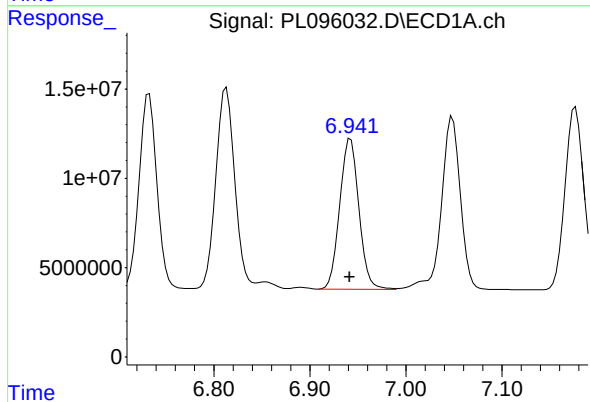
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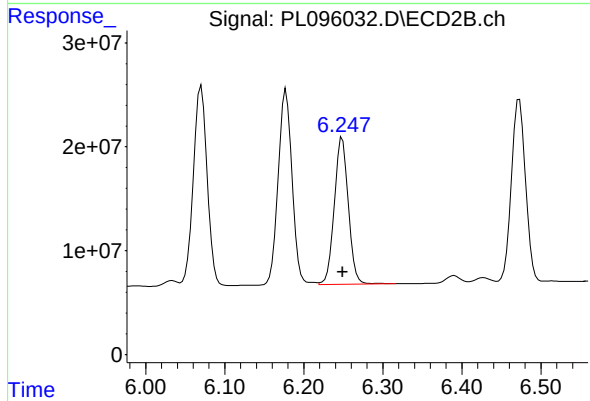
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 229482323
Conc: 48.69 ng/ml



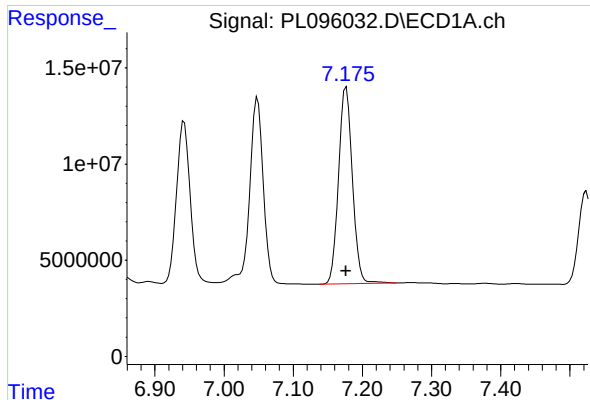
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: 0.001 min
Response: 115895242
Conc: 46.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: 0.000 min
Response: 174136395
Conc: 47.45 ng/ml



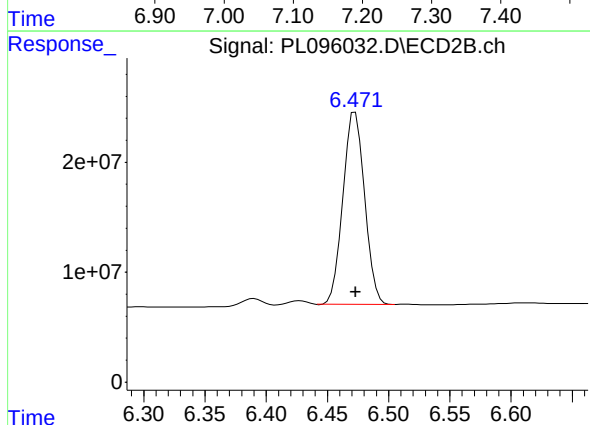
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 141694737
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

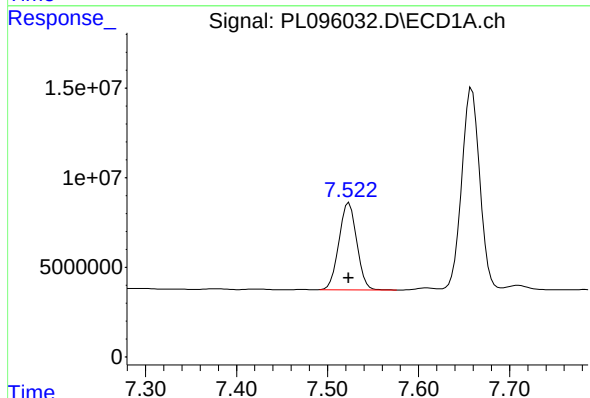
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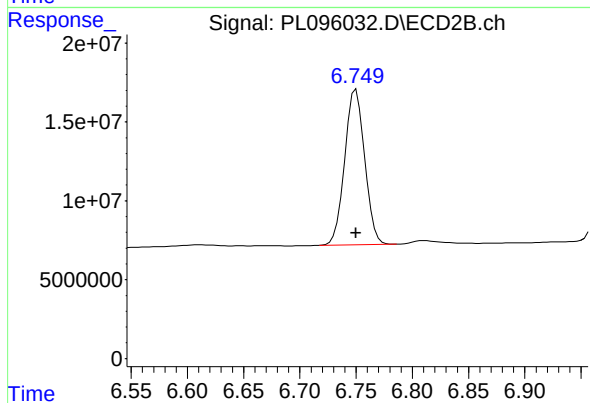
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 215717502
Conc: 46.00 ng/ml



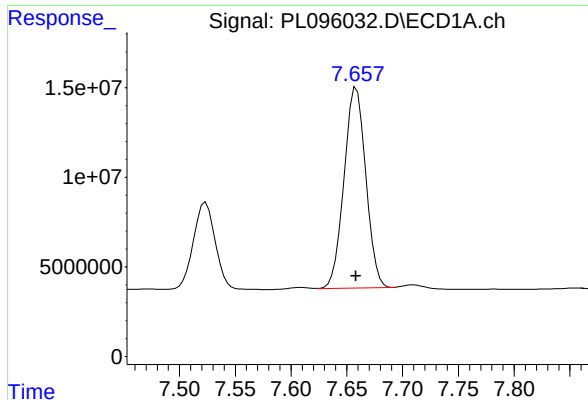
#20 Methoxychlor

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 66144759
Conc: 46.20 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 121919363
Conc: 47.37 ng/ml



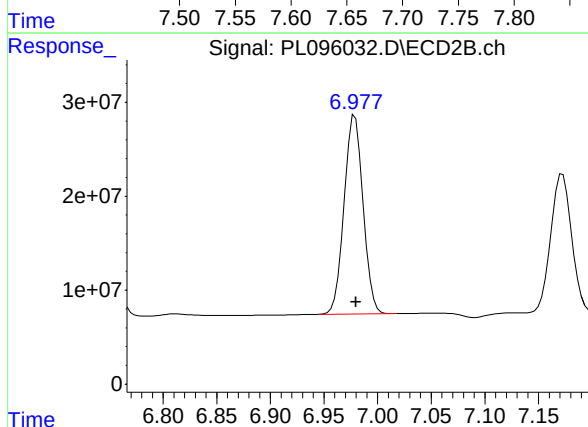
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: 0.000 min
Response: 151973219
Conc: 45.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

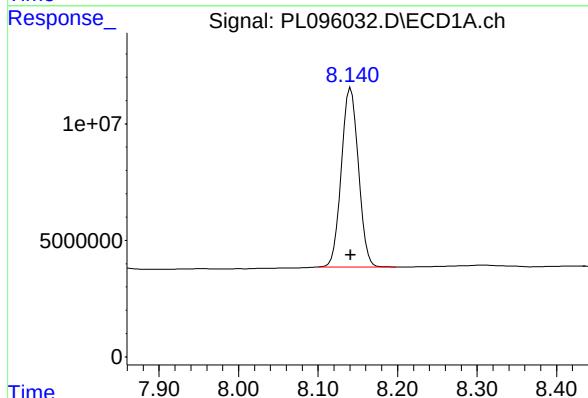
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Reviewed By :Abdul Mirza 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



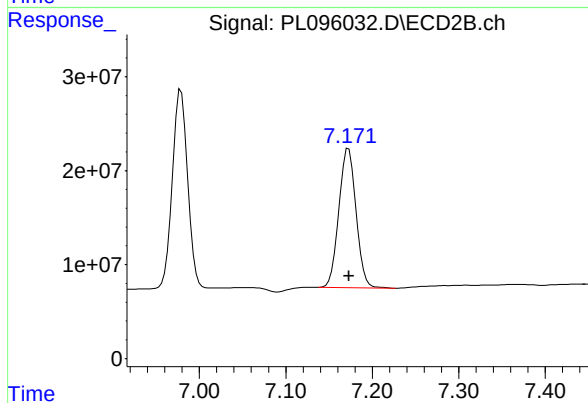
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 260291604
Conc: 47.05 ng/ml



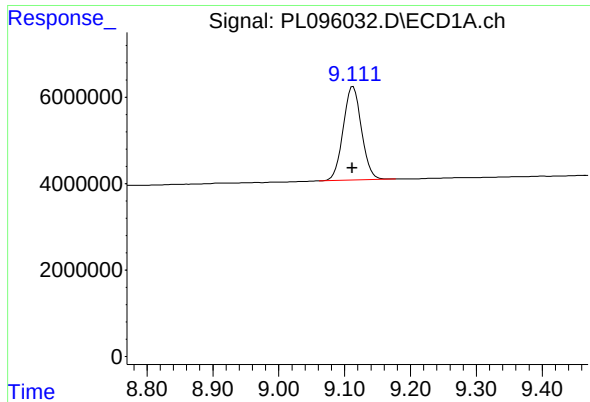
#22 Mirex

R.T.: 8.141 min
Delta R.T.: 0.000 min
Response: 114669638
Conc: 45.45 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: 0.000 min
Response: 202693370
Conc: 46.46 ng/ml



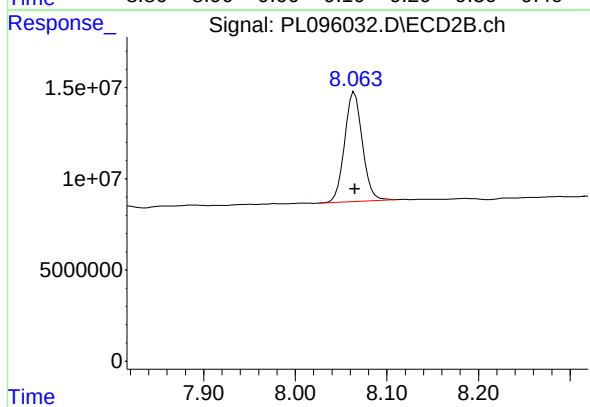
#28 Decachlorobiphenyl

R.T.: 9.113 min
Delta R.T.: 0.000 min
Response: 41672438
Conc: 17.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-4MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 81279235
Conc: 17.10 ng/ml