

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
 Data File : PL095790.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 12:12
 Operator : AR\AJ
 Sample : Q2109-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-02-MHFMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/29/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:29:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.571	2.883	37711082	46371764	11.952	11.848m
28)	SA Decachlor...	9.101	8.058	34372180	45701047	14.587m	10.447m#
Target Compounds							
2)	A alpha-BHC	4.023	3.394	196.1E6	249.0E6	40.440	42.518
3)	MA gamma-BHC...	4.354	3.726	191.1E6	221.6E6	42.743	39.569m
4)	MA Heptachlor	4.951	4.081	150.5E6	224.5E6	39.769m	40.032
5)	MB Aldrin	5.294	4.365	175.8E6	220.1E6	41.098	41.469
6)	B beta-BHC	4.541	4.022	51068464	108.7E6	25.905m	43.866m#
7)	B delta-BHC	4.790	4.257	186.4E6	235.3E6	42.034	41.664m
8)	B Heptachlo...	5.716	4.867	150.7E6	209.8E6	39.478	42.500
9)	A Endosulfan I	6.099	5.240	160.2E6	143.0E6	43.708	30.004m#
10)	B gamma-Chl...	5.970	5.119	164.6E6	207.7E6	42.296	39.534m
11)	B alpha-Chl...	6.051	5.183	163.9E6	198.4E6	41.525	38.140m
12)	B 4,4'-DDE	6.222	5.371	103.6E6	197.7E6	28.247	36.865 #
13)	MA Dieldrin	6.372	5.503	149.4E6	223.7E6	38.702	42.199m
14)	MA Endrin	6.599	5.778	110.6E6	188.6E6	34.276	38.681m
15)	B Endosulfa...	6.812	6.069	125.4E6	184.5E6	36.388	38.822m
16)	A 4,4'-DDD	6.731	5.922	110.3E6	166.3E6	37.644	37.923m
17)	MA 4,4'-DDT	7.046	6.176	97744794	156.1E6	36.133	32.629
18)	B Endrin al...	6.941	6.247	94455432	127.9E6	39.070	37.022m
19)	B Endosulfa...	7.175	6.471	111.9E6	148.9E6	37.479	33.135
20)	A Methoxychlor	7.519	6.746	43436925	80540192	34.059	30.786
21)	B Endrin ke...	7.656	6.974	129.8E6	153.3E6	40.994	29.636m#
22)	Mirex	8.137	7.169	170.9E6	128.0E6	73.870m	31.512m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 12:12
Operator : AR\AJ
Sample : Q2109-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

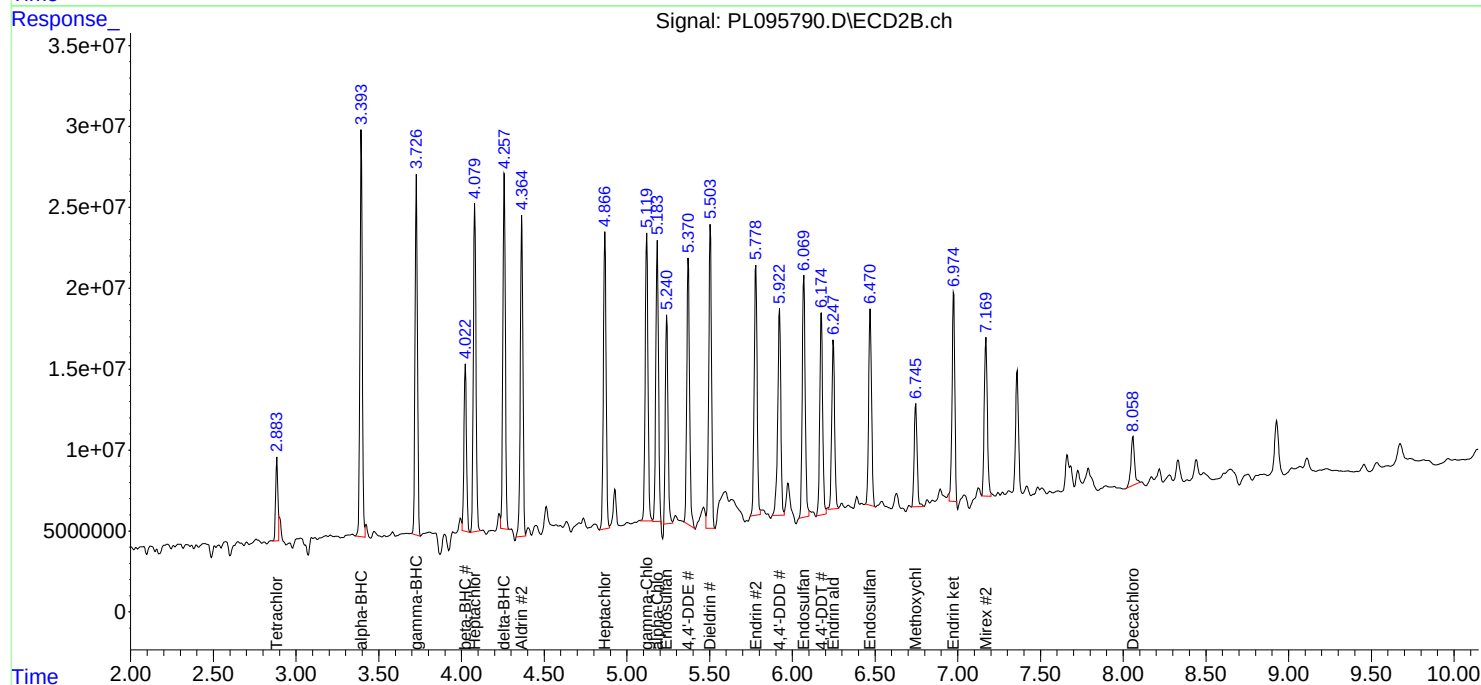
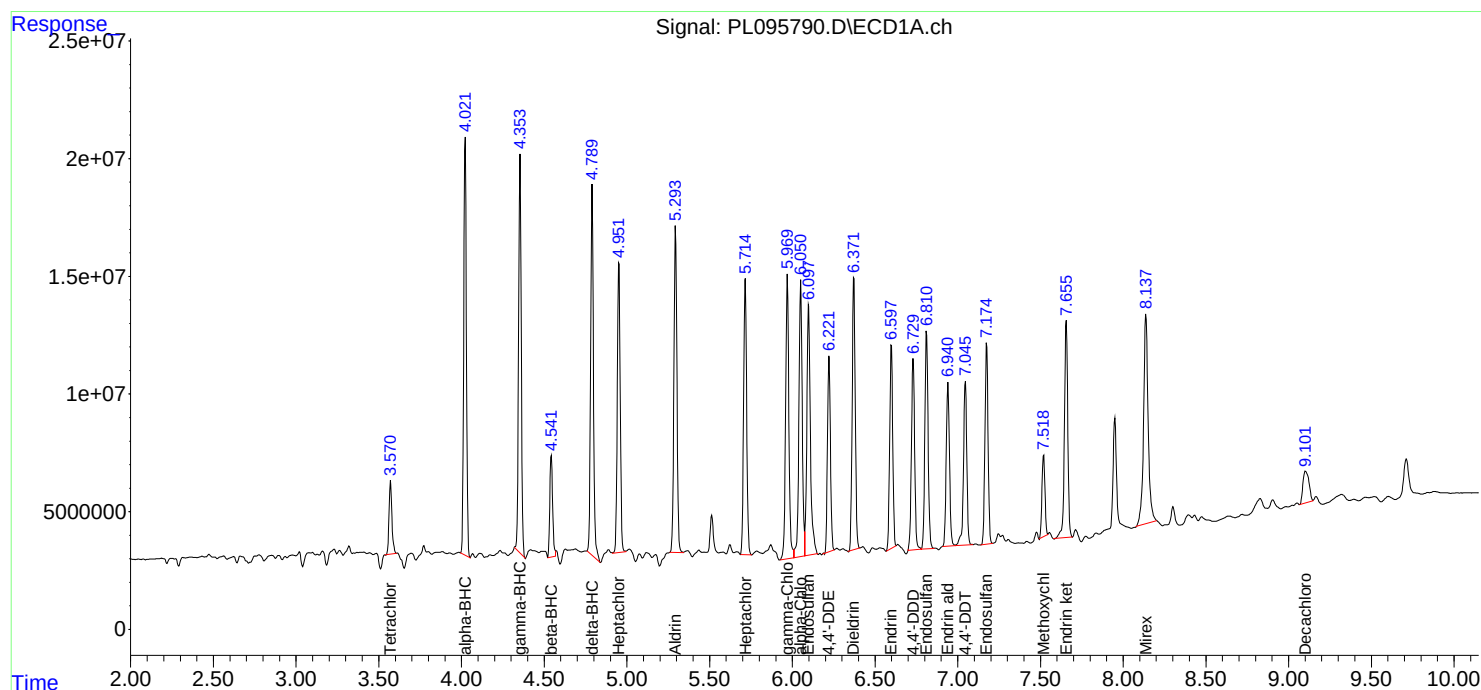
Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

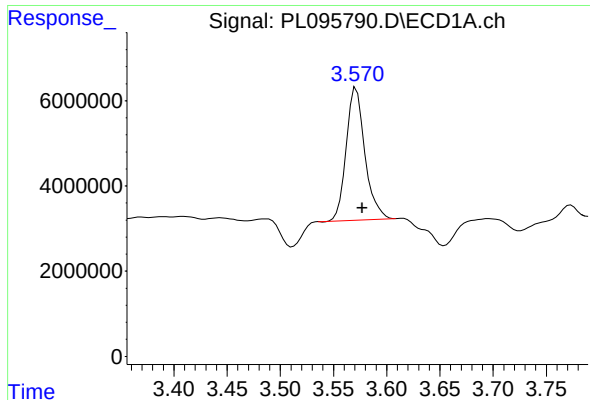
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:29:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





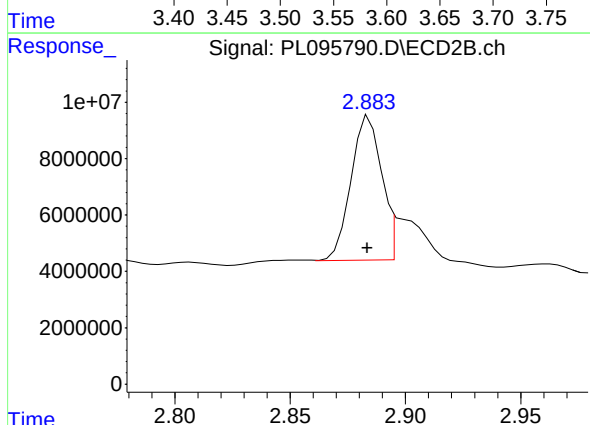
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 37711082
Conc: 11.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

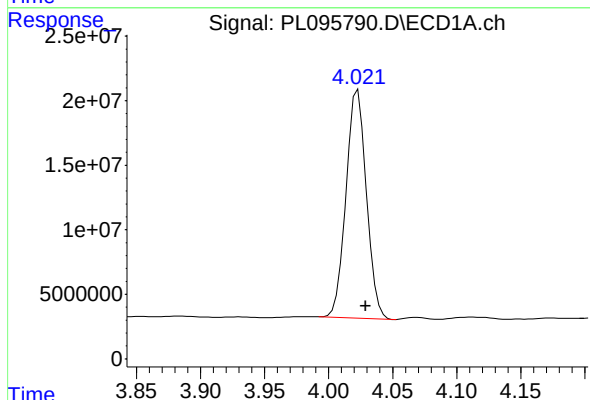
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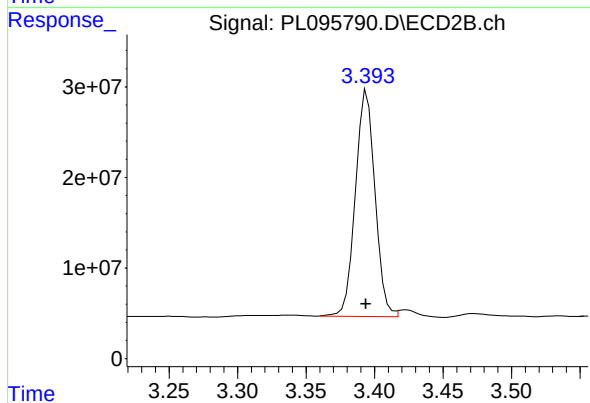
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 46371764
Conc: 11.85 ng/ml



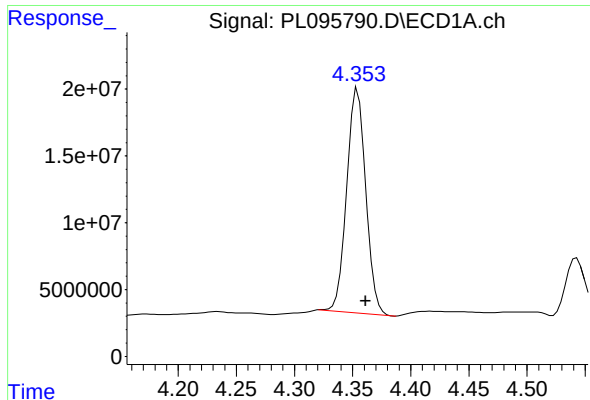
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 196050443
Conc: 40.44 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 249041488
Conc: 42.52 ng/ml



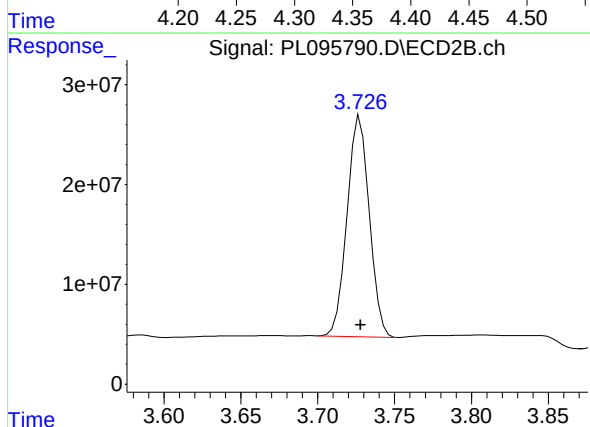
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: -0.007 min
Response: 191138823
Conc: 42.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

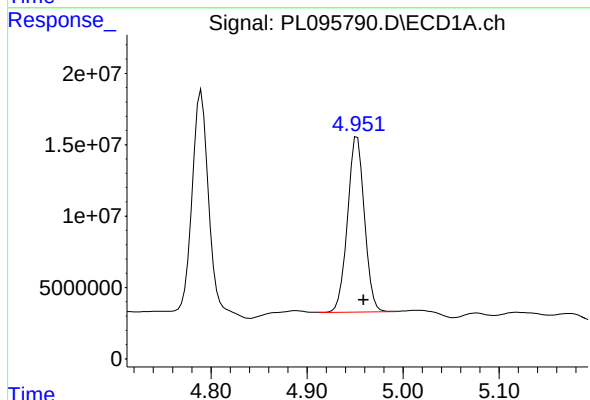
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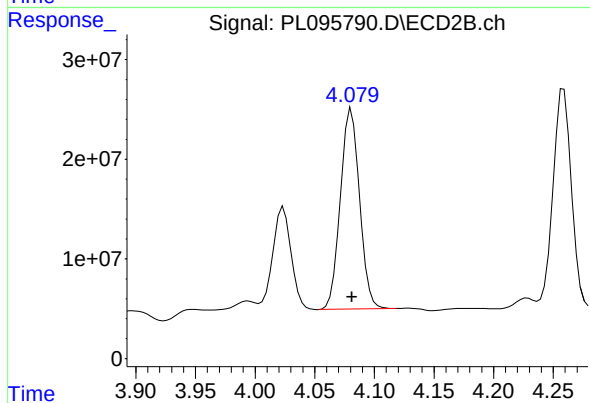
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.002 min
Response: 221637207
Conc: 39.57 ng/ml



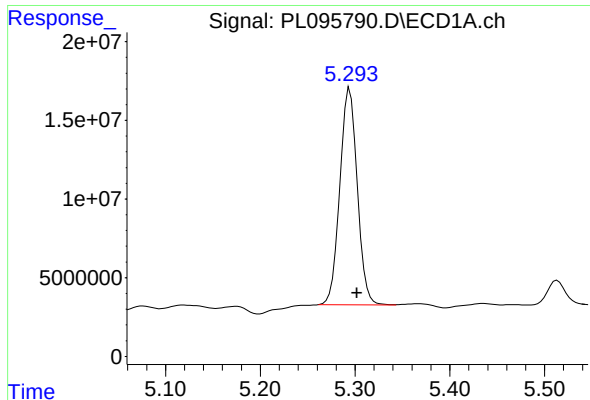
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: -0.008 min
Response: 150526123
Conc: 39.77 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 224539221
Conc: 40.03 ng/ml



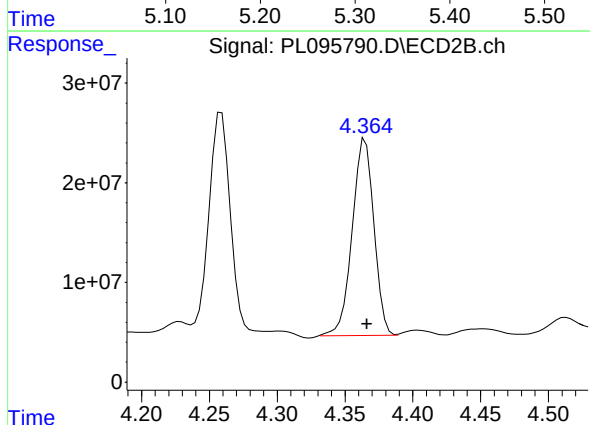
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: -0.007 min
Response: 175804576
Conc: 41.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

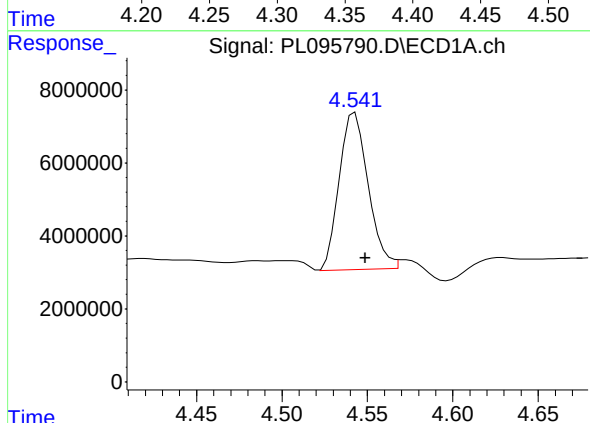
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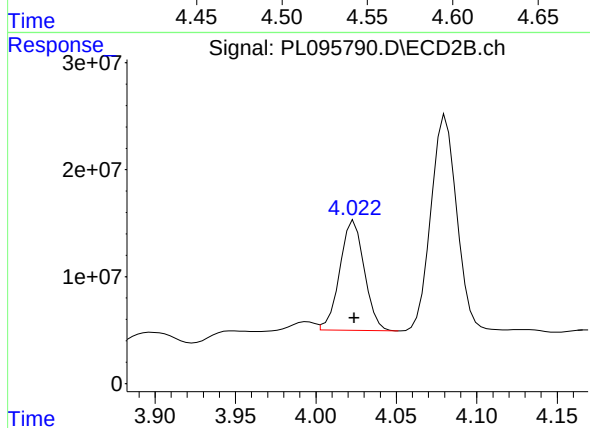
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.001 min
Response: 220078144
Conc: 41.47 ng/ml



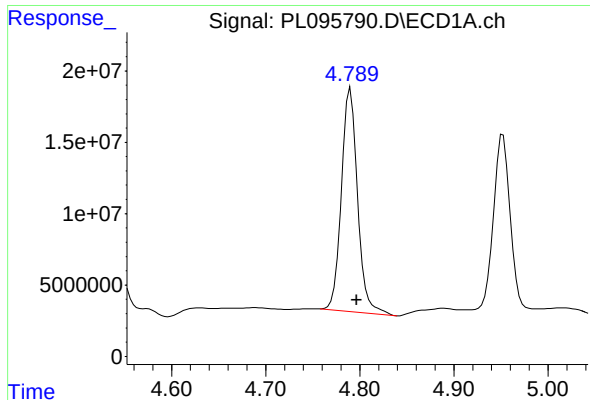
#6 beta-BHC

R.T.: 4.541 min
Delta R.T.: -0.007 min
Response: 51068464
Conc: 25.91 ng/ml m



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 108681559
Conc: 43.87 ng/ml m



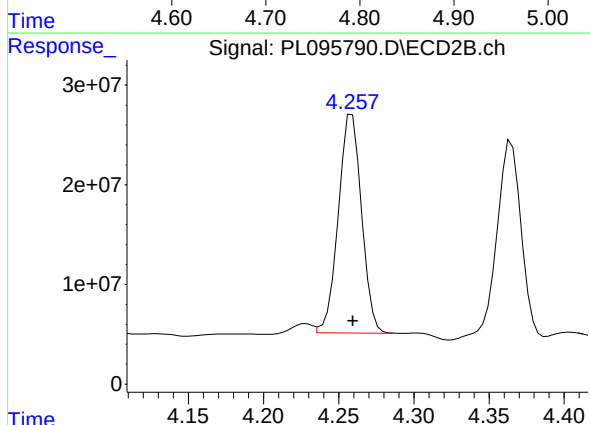
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 186360560
Conc: 42.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

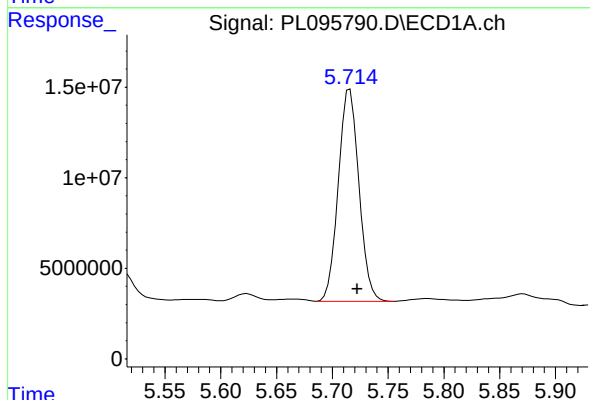
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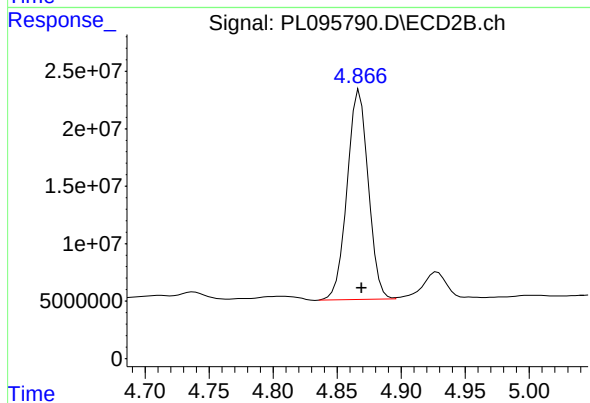
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 235293157
Conc: 41.66 ng/ml



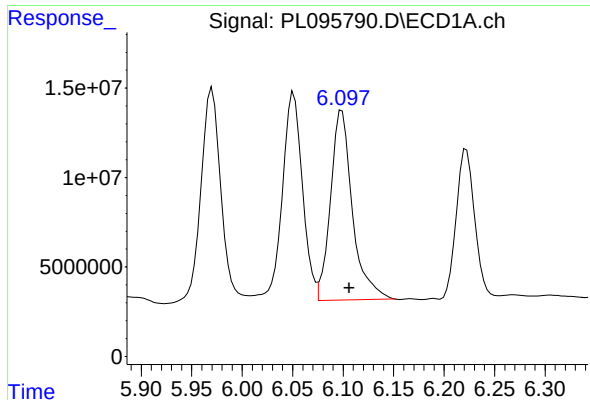
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 150682008
Conc: 39.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 209841271
Conc: 42.50 ng/ml



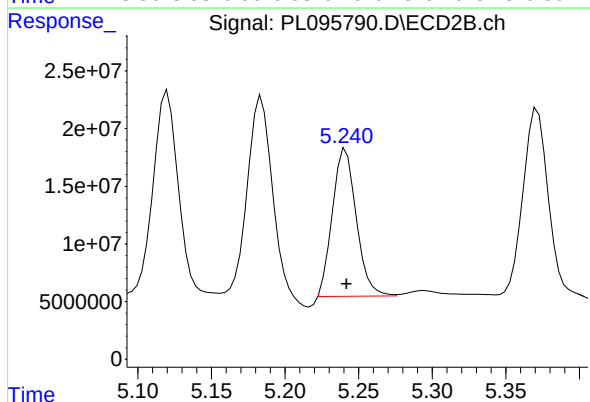
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 160183797
Conc: 43.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

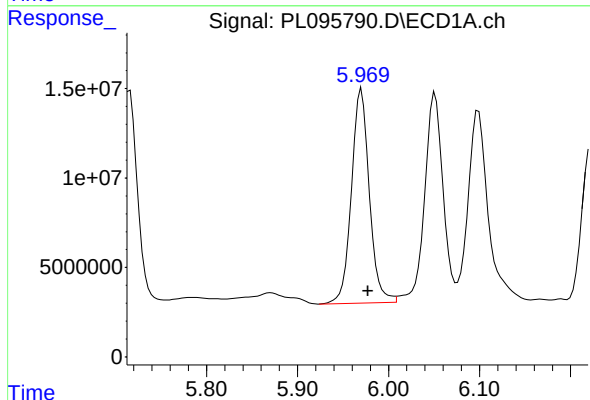
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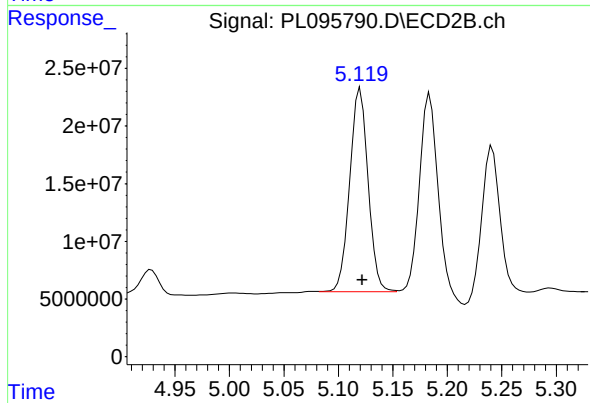
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 142968832
Conc: 30.00 ng/ml m



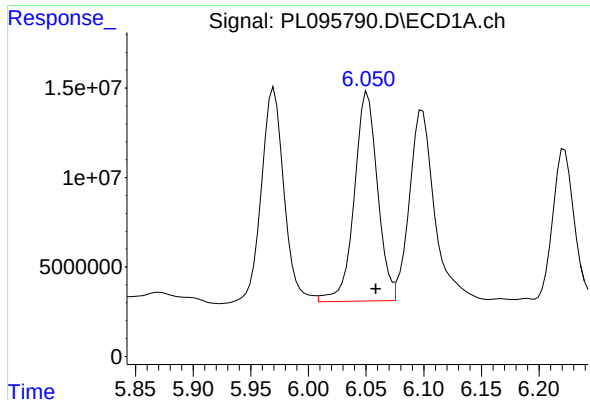
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 164621684
Conc: 42.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 207659492
Conc: 39.53 ng/ml m



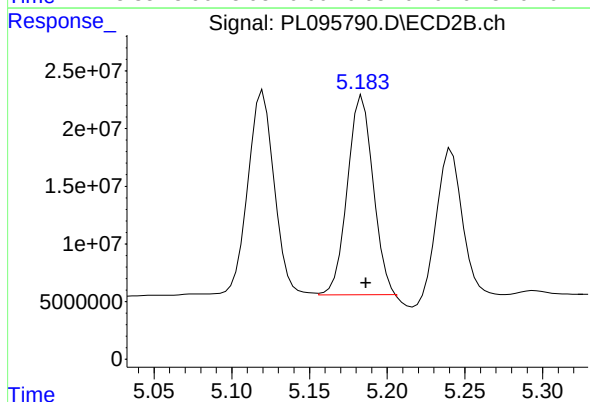
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 163946967
Conc: 41.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

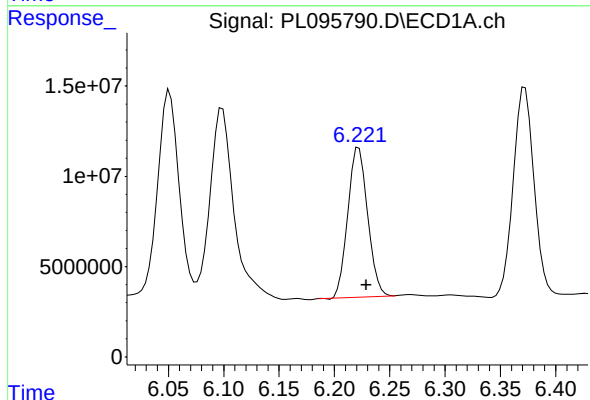
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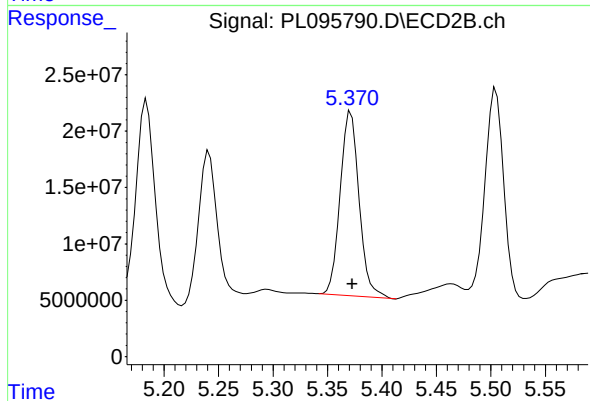
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.004 min
Response: 198433786
Conc: 38.14 ng/ml



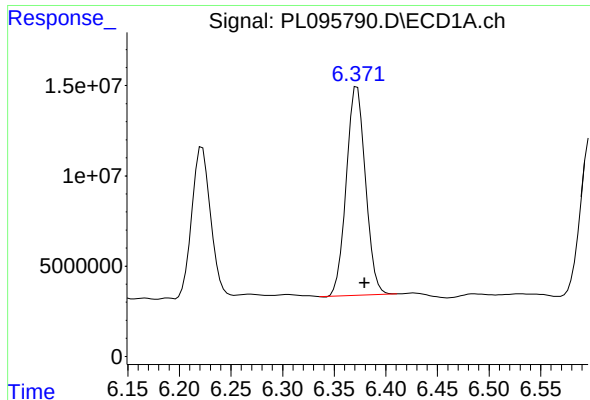
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 103606406
Conc: 28.25 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 197677315
Conc: 36.87 ng/ml



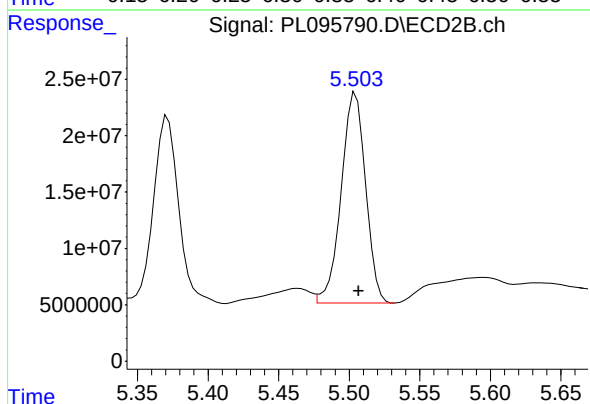
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 149358178
Conc: 38.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

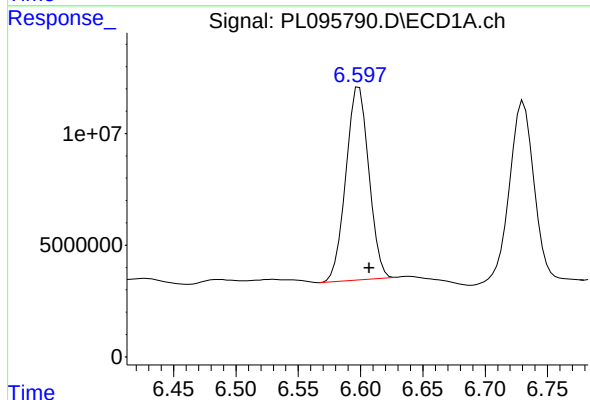
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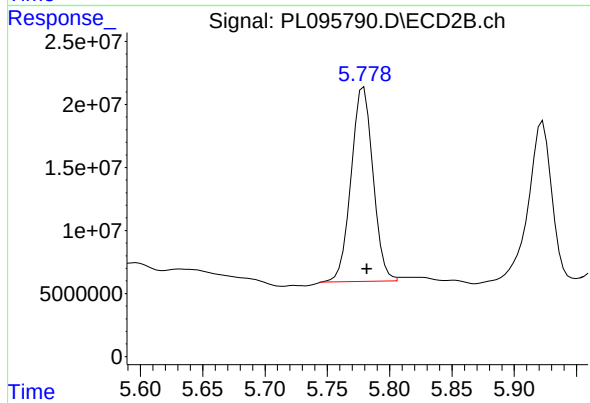
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 223657556
Conc: 42.20 ng/ml m



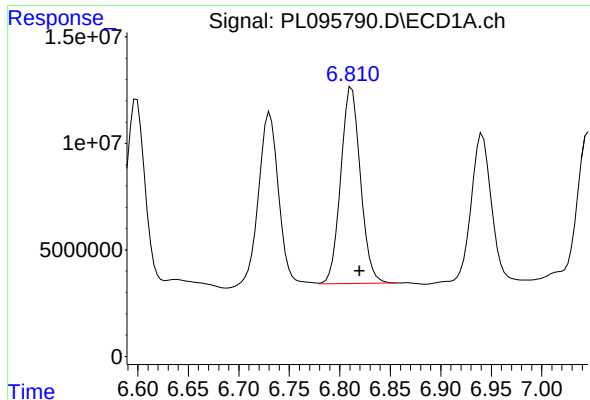
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 110599325
Conc: 34.28 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 188610967
Conc: 38.68 ng/ml m



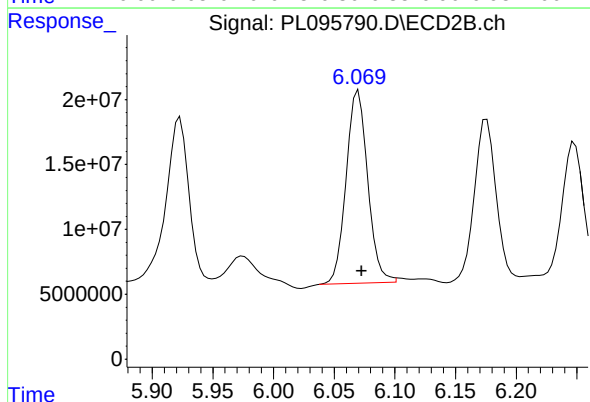
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 125395905
Conc: 36.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

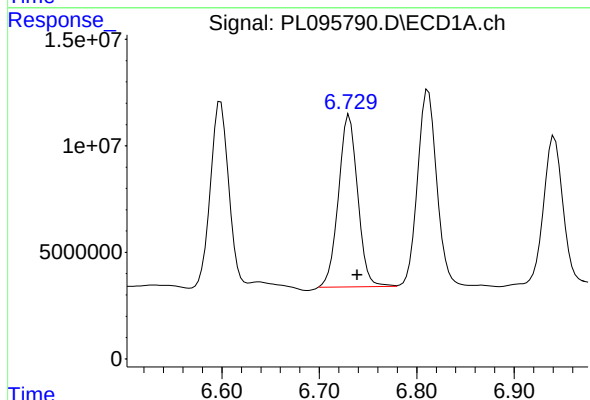
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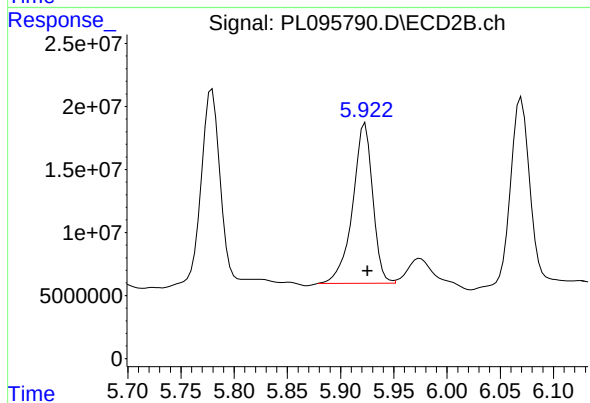
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.004 min
Response: 184475483
Conc: 38.82 ng/ml m



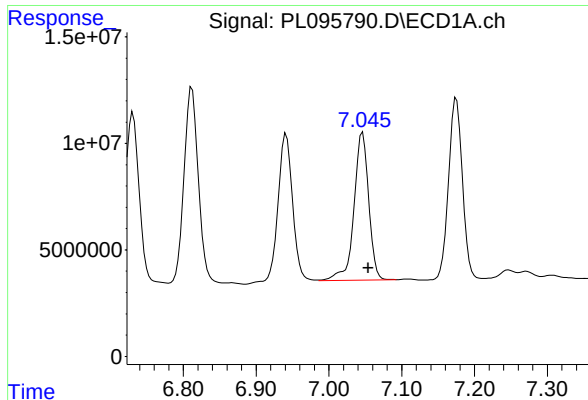
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 110320524
Conc: 37.64 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.004 min
Response: 166288793
Conc: 37.92 ng/ml m



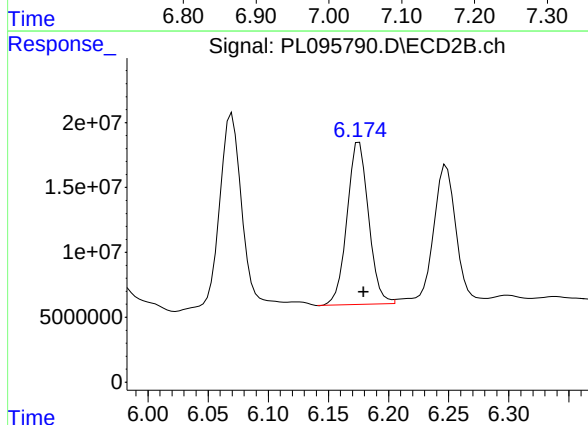
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.008 min
Response: 97744794
Conc: 36.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

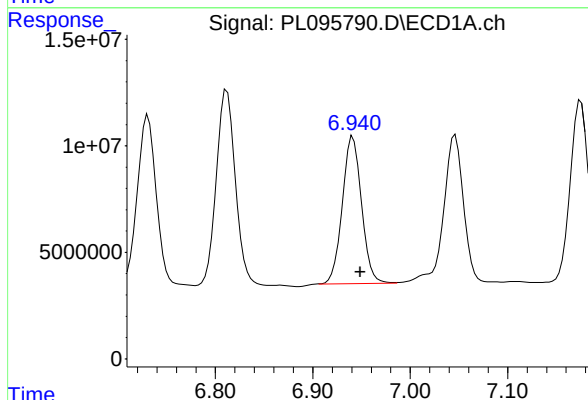
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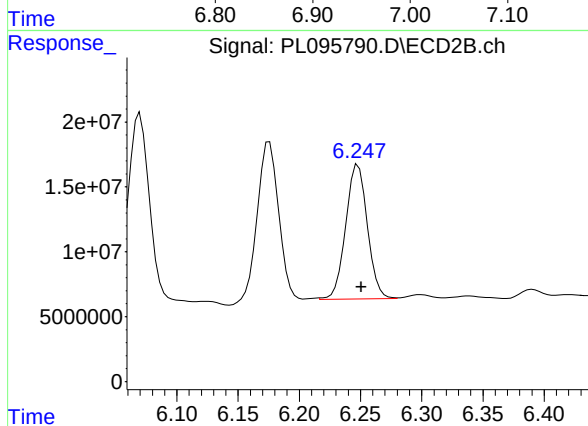
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.004 min
Response: 156050224
Conc: 32.63 ng/ml



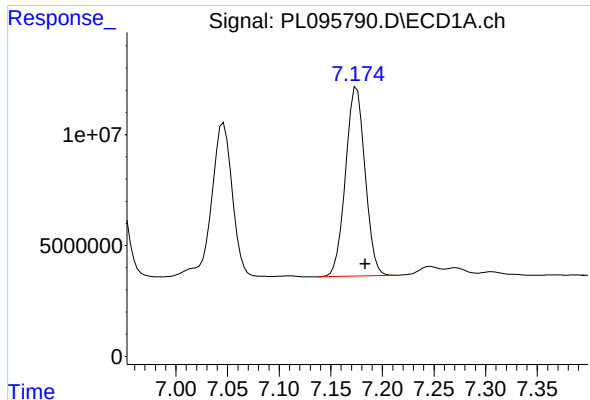
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: -0.007 min
Response: 94455432
Conc: 39.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 127885002
Conc: 37.02 ng/ml m



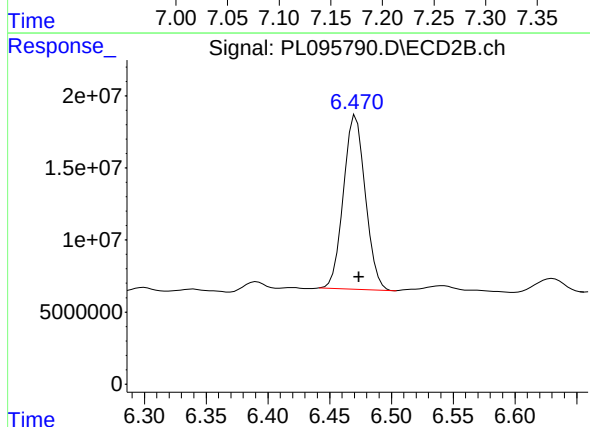
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: -0.008 min
Response: 111948082
Conc: 37.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

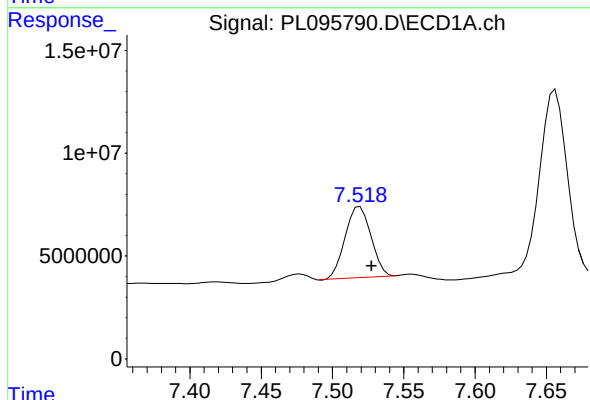
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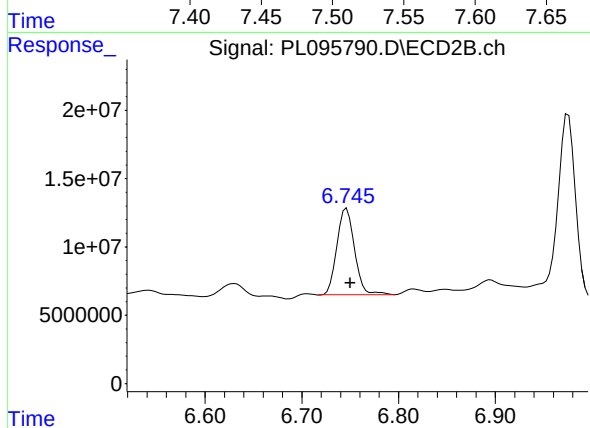
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 148934657
Conc: 33.14 ng/ml



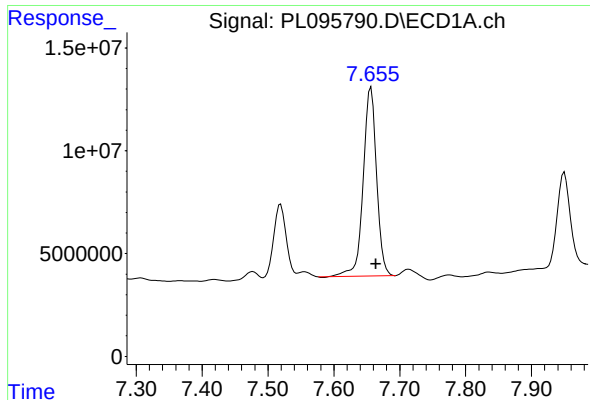
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.008 min
Response: 43436925
Conc: 34.06 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 80540192
Conc: 30.79 ng/ml



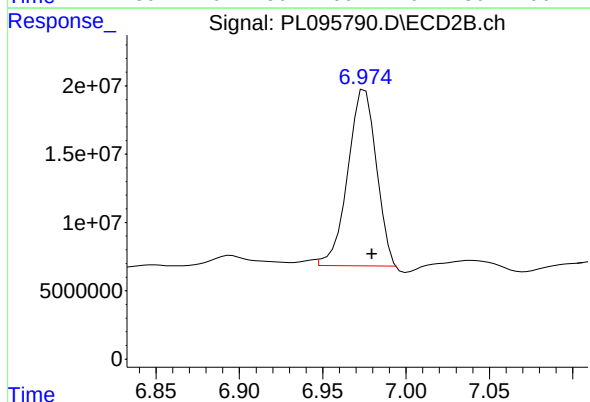
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 129825737
Conc: 40.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

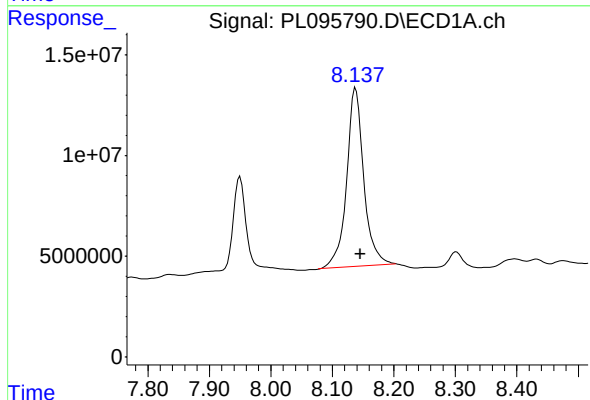
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



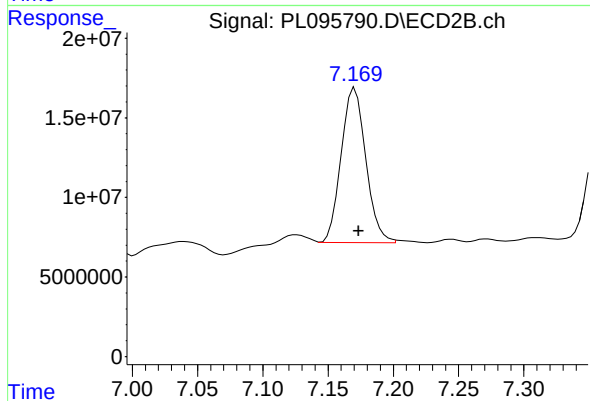
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.006 min
Response: 153333017
Conc: 29.64 ng/ml m



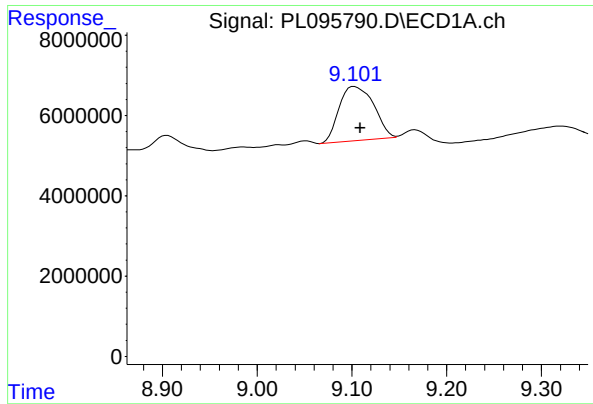
#22 Mirex

R.T.: 8.137 min
Delta R.T.: -0.009 min
Response: 170917837
Conc: 73.87 ng/ml m



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.004 min
Response: 127955567
Conc: 31.51 ng/ml m



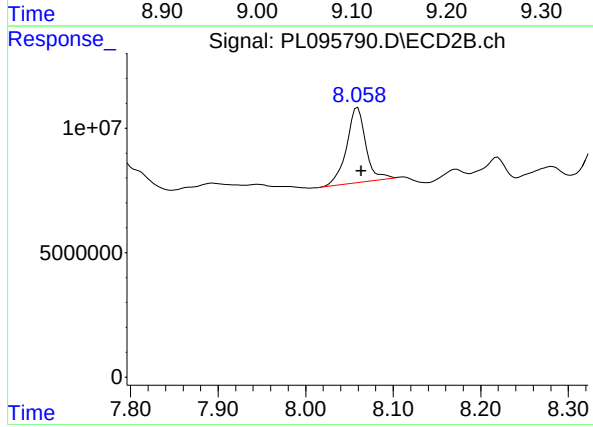
#28 Decachlorobiphenyl

R.T.: 9.101 min
Delta R.T.: -0.008 min
Response: 34372180
Conc: 14.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-02-MHFMSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 45701047
Conc: 10.45 ng/ml m