

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100925\
 Data File : PL097588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 13:15
 Operator : AR\AJ
 Sample : Q3313-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ETGI-360MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/10/2025
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 06:59:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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...	3.523	2.822	55996485	84465479	13.736m	13.878
28)	SA Decachlor...	8.995	7.979	40792607	60839921	13.718m	11.725
Target Compounds							
2)	A alpha-BHC	3.970	3.326	263.2E6	382.3E6	39.019m	38.742
3)	MA gamma-BHC...	4.297	3.658	251.0E6	352.8E6	39.483m	38.401
4)	MA Heptachlor	4.890	4.005	267.3E6	356.3E6	41.434	38.757
5)	MB Aldrin	5.224	4.287	382.1E6	330.5E6	63.551m	38.113 #
6)	B beta-BHC	4.487	3.954	105.0E6	181.8E6	40.614	45.692
7)	B delta-BHC	4.731	4.186	238.8E6	347.5E6	39.325m	38.465
8)	B Heptachlo...	5.648	4.789	384.5E6	440.8E6	66.043	55.812
9)	A Endosulfan I	6.028	5.160	213.2E6	260.9E6	42.875	35.375
10)	B gamma-Chl...	5.902	5.041	417.5E6	654.6E6	76.922	75.301
11)	B alpha-Chl...	5.982	5.105	640.1E6	739.2E6	117.958	88.775
12)	B 4,4'-DDE	6.153	5.293	198.6E6	278.4E6	42.641	36.666
13)	MA Dieldrin	6.302	5.424	199.7E6	304.8E6	37.962	36.859
14)	MA Endrin	6.528	5.699	147.2E6	251.3E6	32.891	33.953
15)	B Endosulfa...	6.741	5.993	161.9E6	384.2E6	33.094	55.642 #
16)	A 4,4'-DDD	6.661	5.846	157.1E6	208.3E6	41.638	32.648
17)	MA 4,4'-DDT	6.975	6.098	159.4E6	246.8E6	39.311	37.042
18)	B Endrin al...	6.870	6.169	116.5E6	185.0E6	35.544	32.120
19)	B Endosulfa...	7.104	6.392	138.5E6	218.2E6	34.531	32.777
20)	A Methoxychlor	7.449	6.670	66001333	126.6E6	31.595	34.735
21)	B Endrin ke...	7.583	6.896	151.7E6	210.5E6	35.421	26.644
22)	Mirex	8.061	7.085	111.7E6	169.7E6	35.962	31.717

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

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Acq On : 09 Oct 2025 13:15
Operator : AR\AJ
Sample : Q3313-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

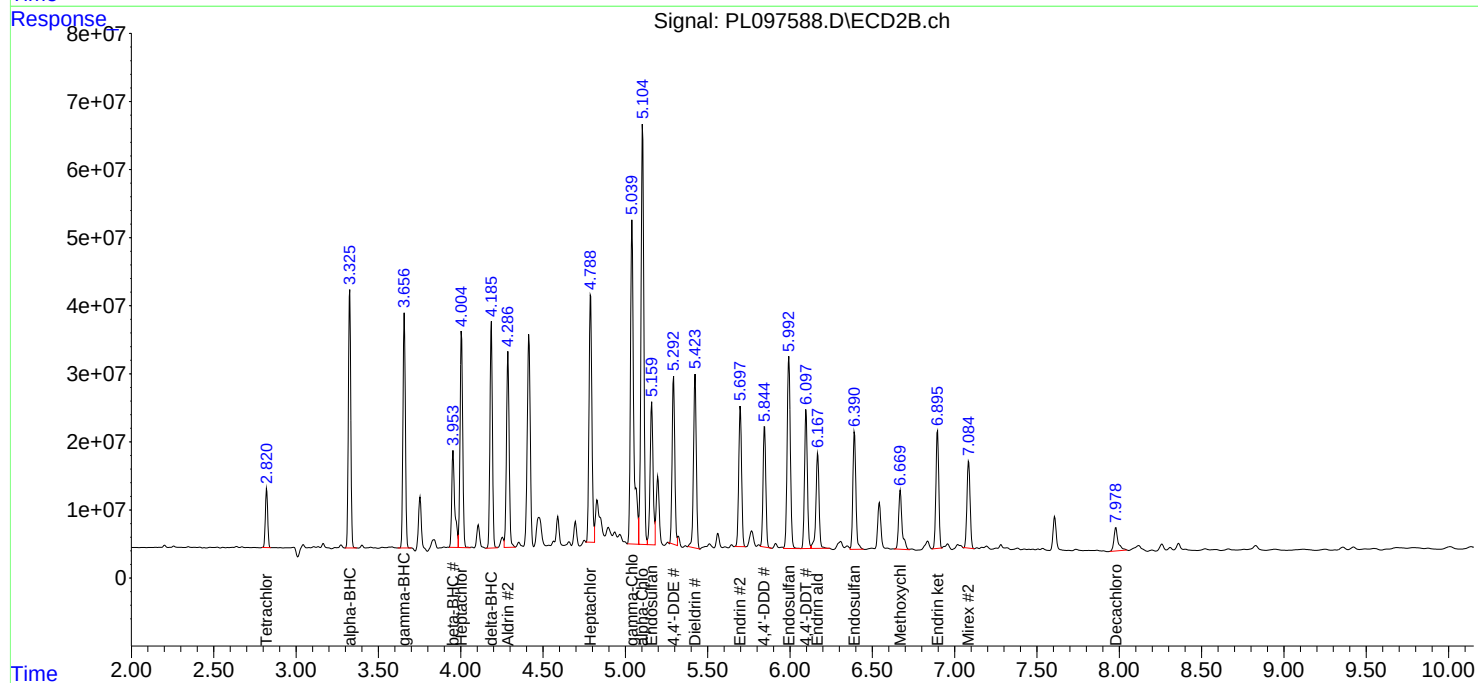
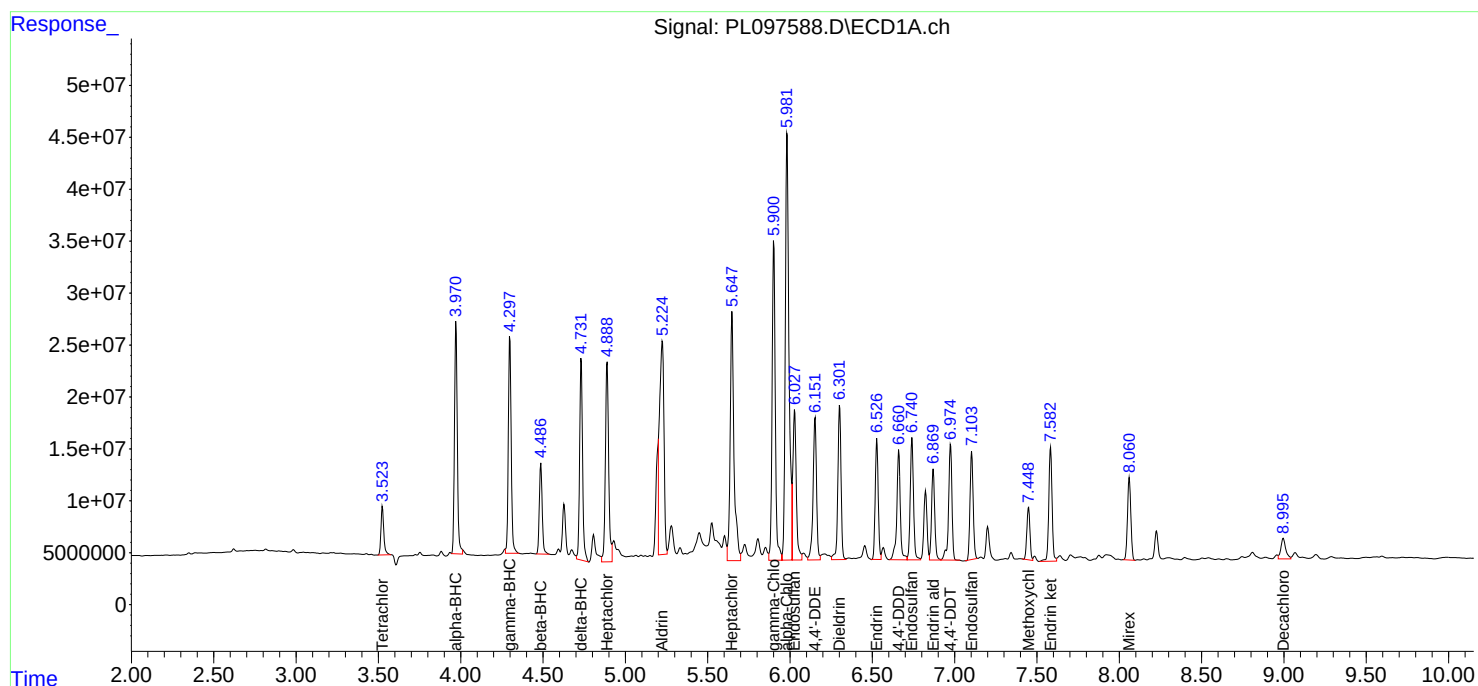
Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

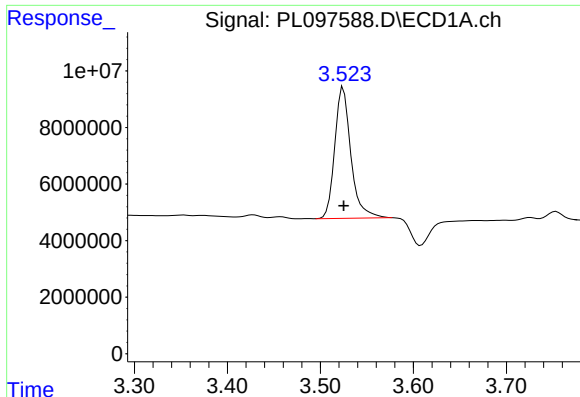
Manual Integrations
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Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
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Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





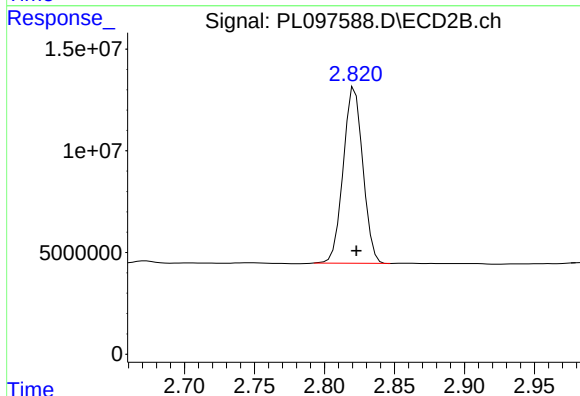
#1 Tetrachloro-m-xylene

R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 55996485
Conc: 13.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

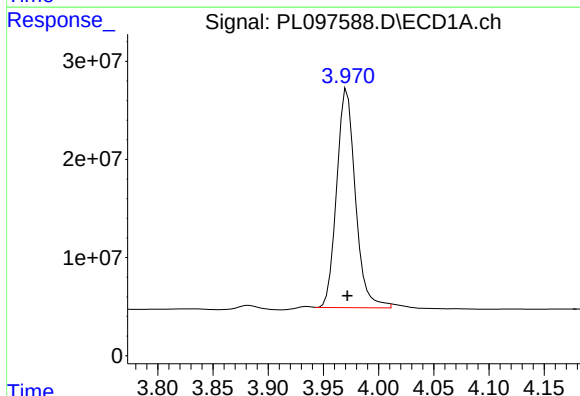
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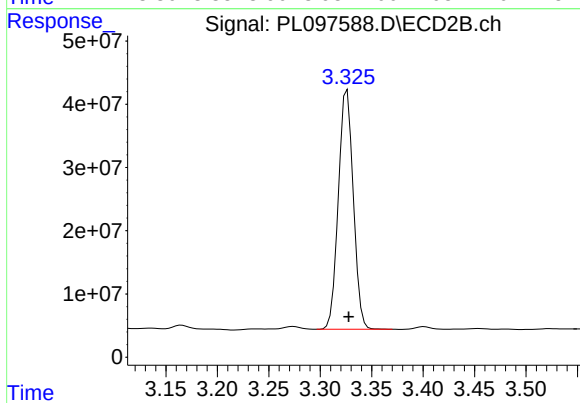
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 84465479
Conc: 13.88 ng/ml



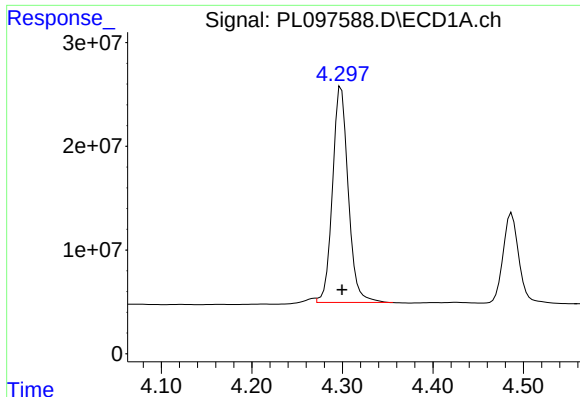
#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 263207307
Conc: 39.02 ng/ml m



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.001 min
Response: 382267470
Conc: 38.74 ng/ml



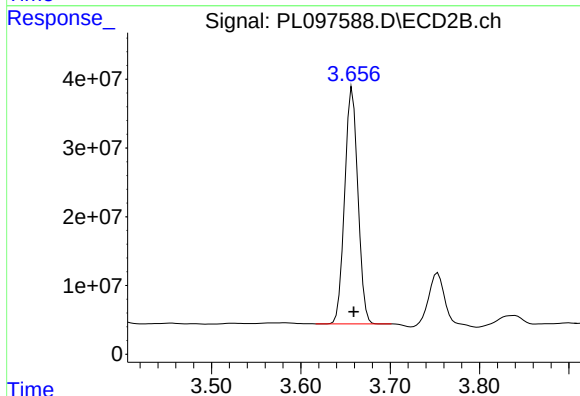
#3 gamma-BHC (Lindane)

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 250966125
Conc: 39.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

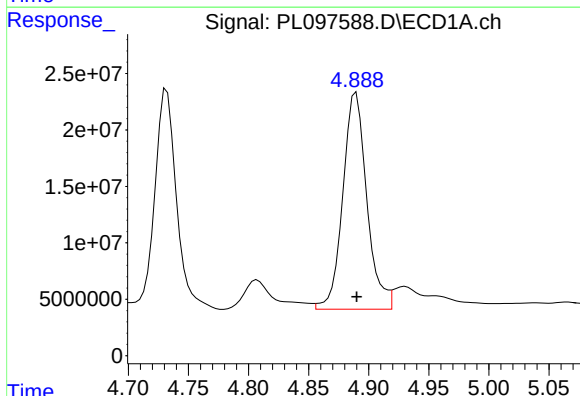
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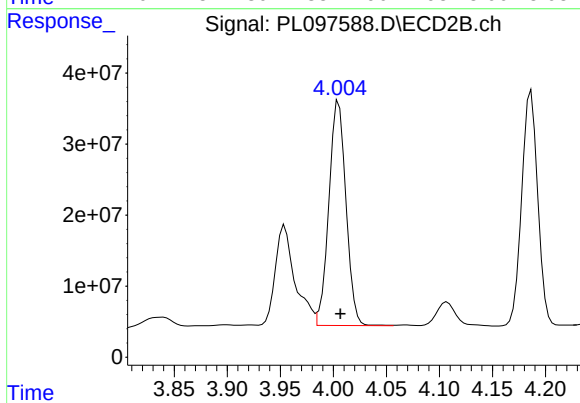
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.001 min
Response: 352802099
Conc: 38.40 ng/ml



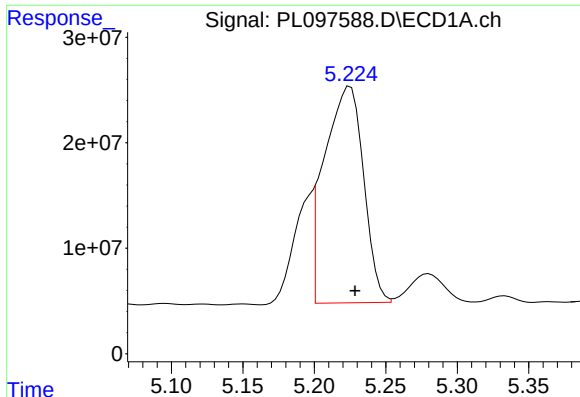
#4 Heptachlor

R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 267275775
Conc: 41.43 ng/ml



#4 Heptachlor

R.T.: 4.005 min
Delta R.T.: -0.001 min
Response: 356267383
Conc: 38.76 ng/ml



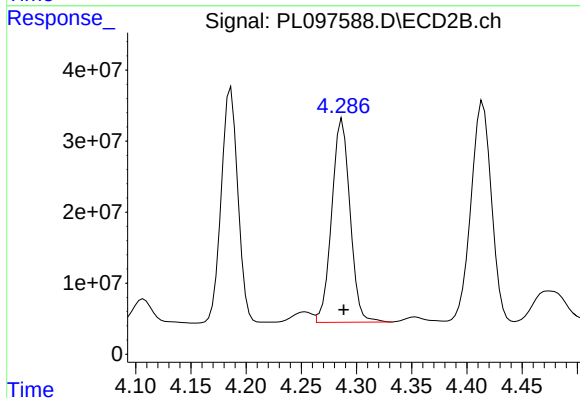
#5 Aldrin

R.T.: 5.224 min
Delta R.T.: -0.005 min
Response: 382110643
Conc: 63.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

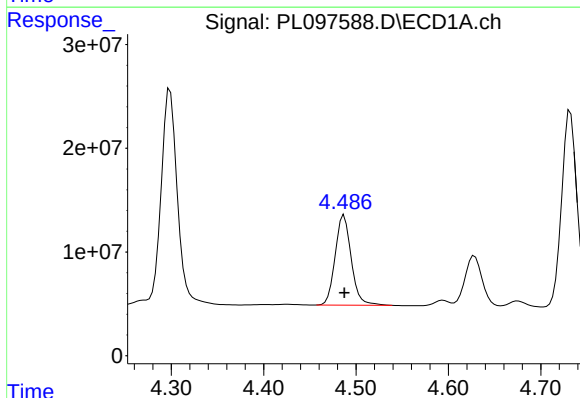
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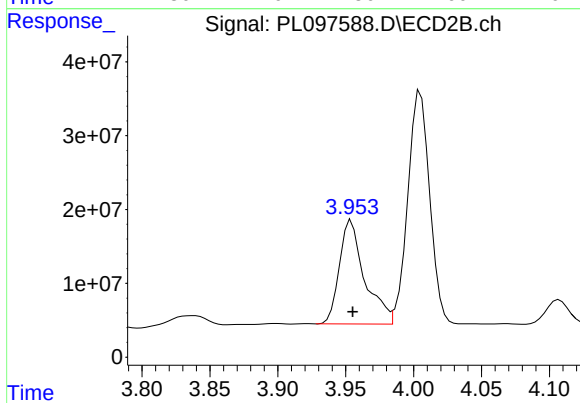
#5 Aldrin

R.T.: 4.287 min
Delta R.T.: -0.001 min
Response: 330506278
Conc: 38.11 ng/ml



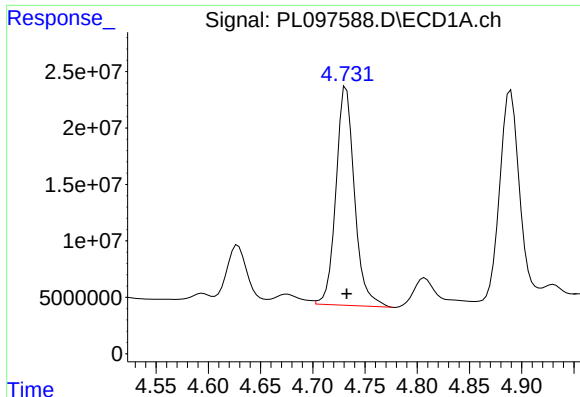
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 105007284
Conc: 40.61 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.001 min
Response: 181769854
Conc: 45.69 ng/ml



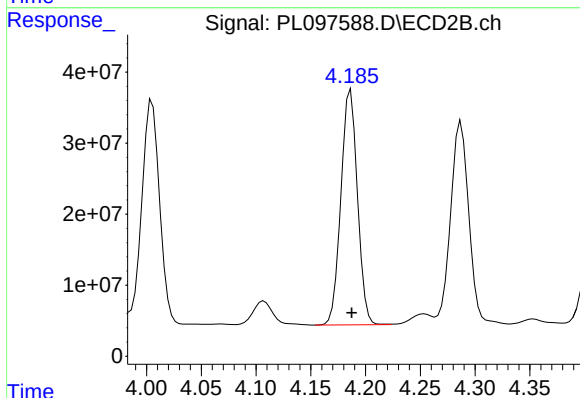
#7 delta-BHC

R.T.: 4.731 min
Delta R.T.: -0.002 min
Response: 238804030
Conc: 39.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

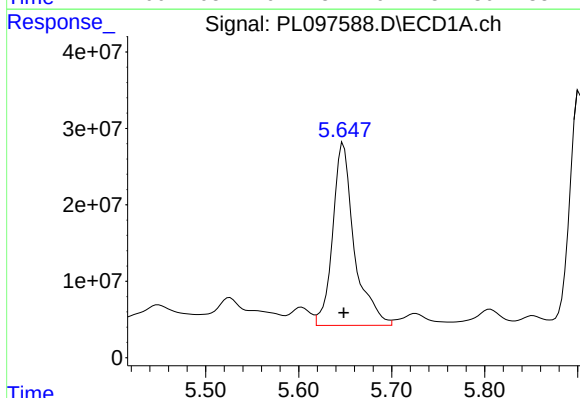
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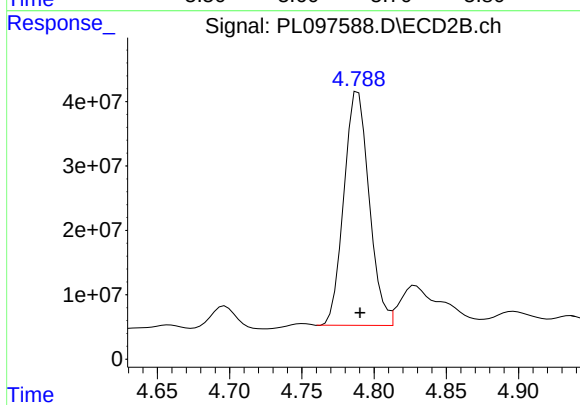
#7 delta-BHC

R.T.: 4.186 min
Delta R.T.: 0.000 min
Response: 347494720
Conc: 38.47 ng/ml



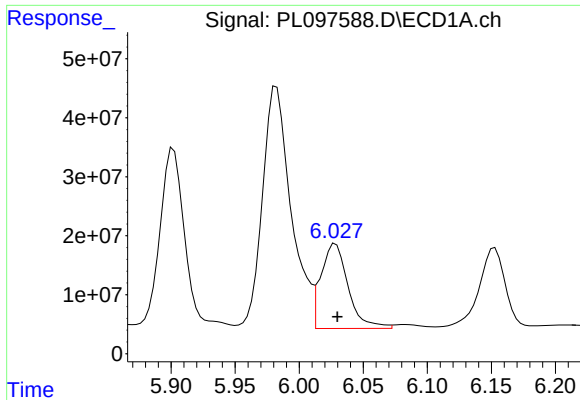
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 384518225
Conc: 66.04 ng/ml



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: -0.001 min
Response: 440797958
Conc: 55.81 ng/ml



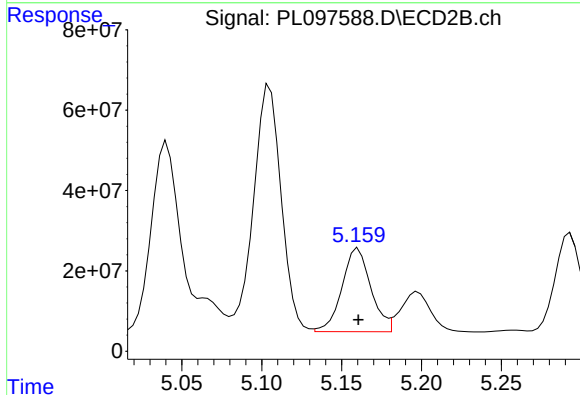
#9 Endosulfan I

R.T.: 6.028 min
Delta R.T.: -0.001 min
Response: 213150549
Conc: 42.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

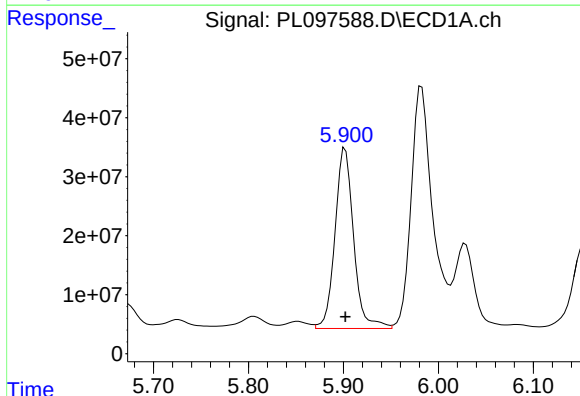
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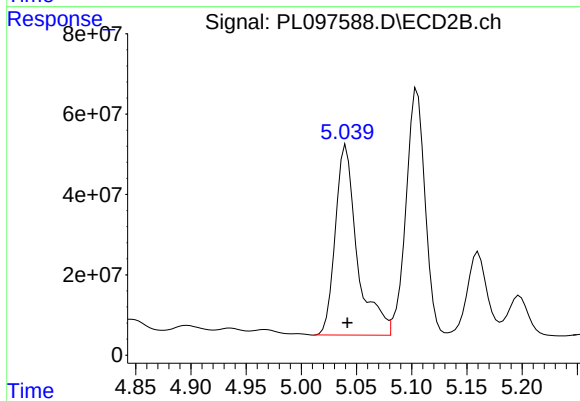
#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 260866353
Conc: 35.37 ng/ml



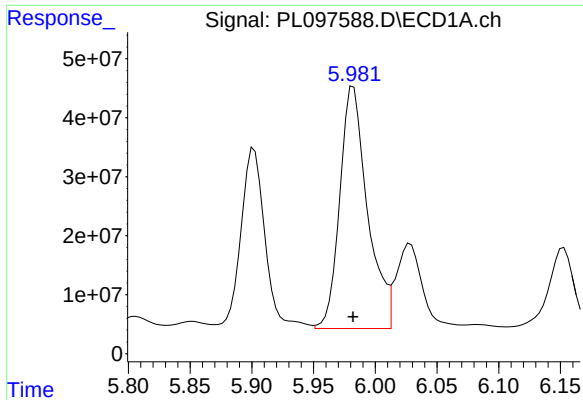
#10 gamma-Chlordane

R.T.: 5.902 min
Delta R.T.: 0.000 min
Response: 417488791
Conc: 76.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.001 min
Response: 654603332
Conc: 75.30 ng/ml



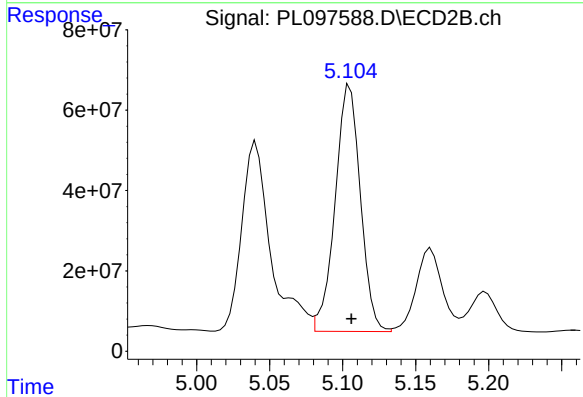
#11 alpha-Chlordane

R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 640092623
Conc: 117.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

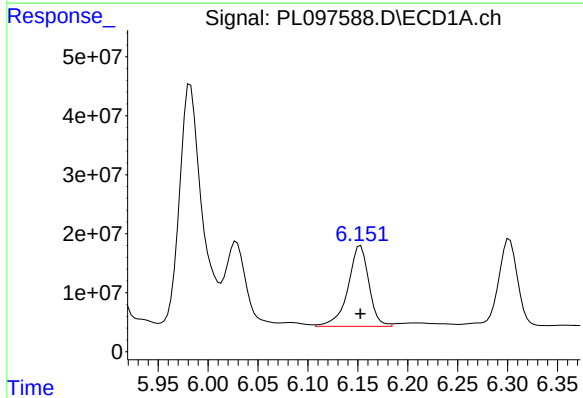
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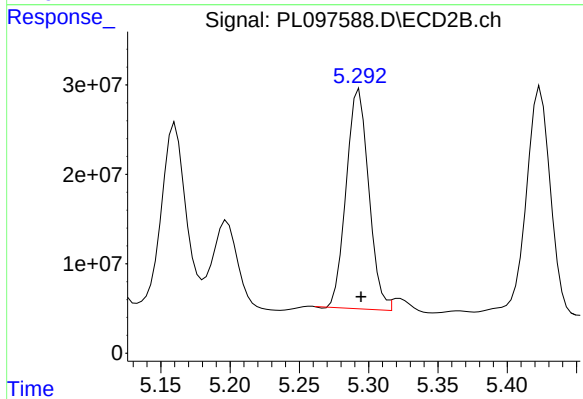
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: 0.000 min
Response: 739246605
Conc: 88.77 ng/ml



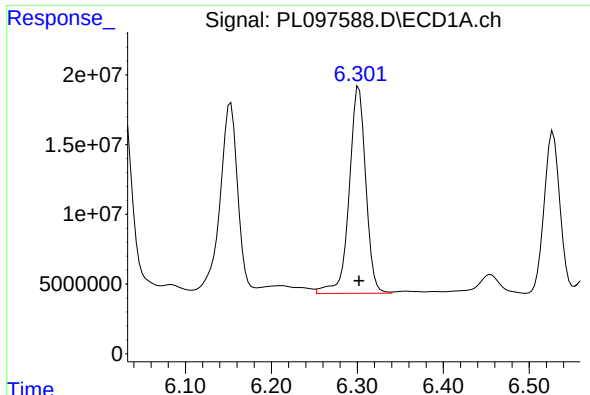
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 198589301
Conc: 42.64 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.001 min
Response: 278387583
Conc: 36.67 ng/ml



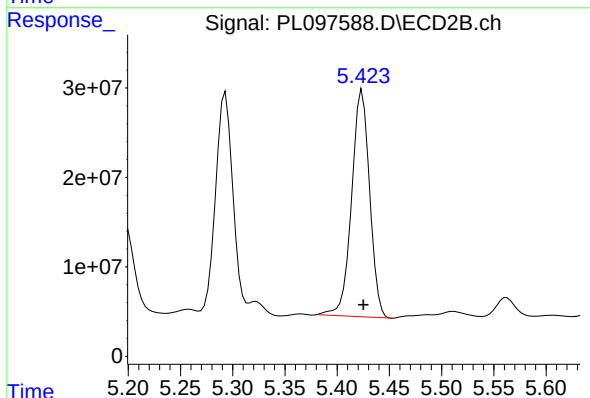
#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 199698431
Conc: 37.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
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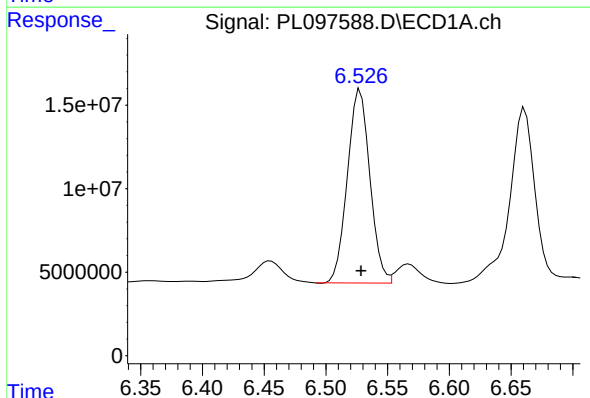
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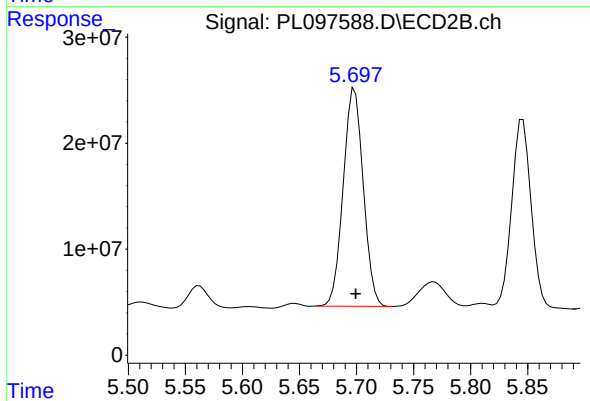
#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: -0.001 min
Response: 304764671
Conc: 36.86 ng/ml



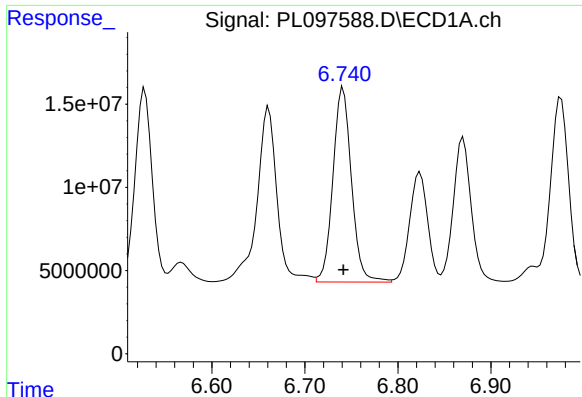
#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 147165729
Conc: 32.89 ng/ml



#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 251302353
Conc: 33.95 ng/ml



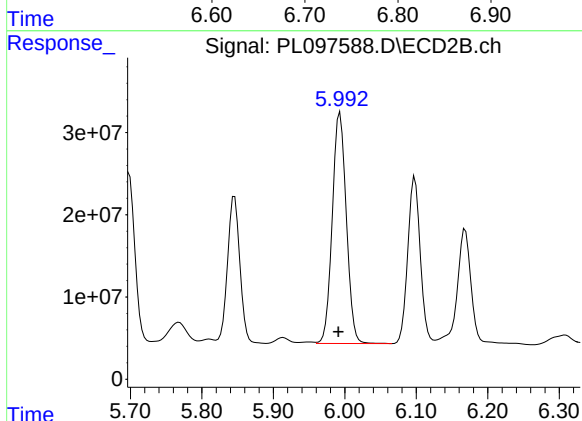
#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 161897470
Conc: 33.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
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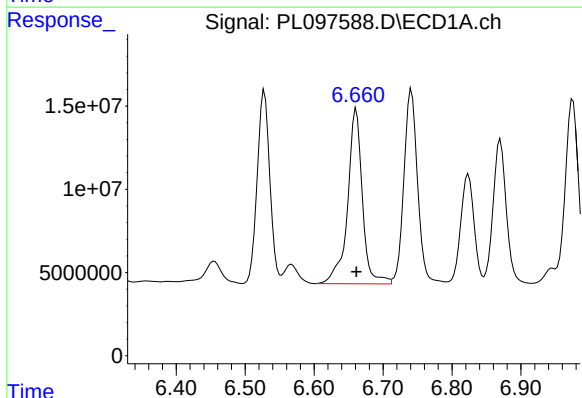
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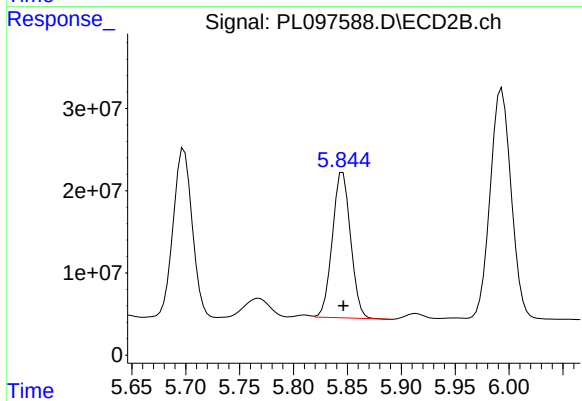
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: 0.002 min
Response: 384210600
Conc: 55.64 ng/ml



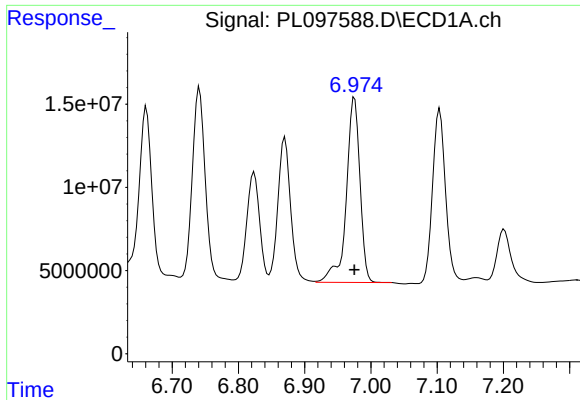
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 157122238
Conc: 41.64 ng/ml



#16 4,4'-DDD

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 208258163
Conc: 32.65 ng/ml



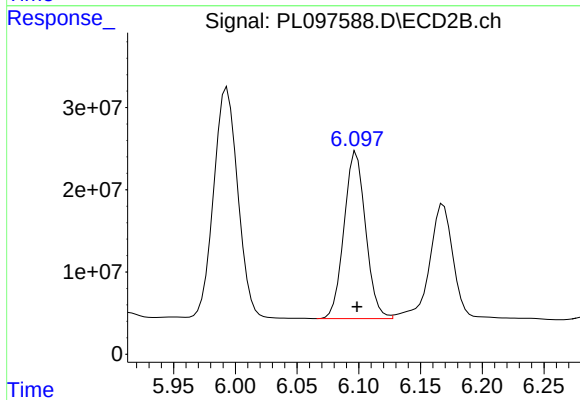
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 159395520
Conc: 39.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

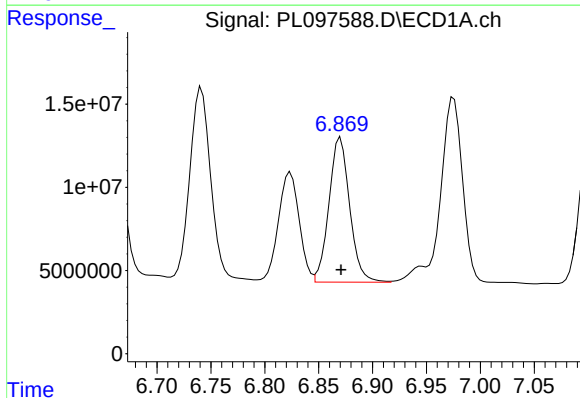
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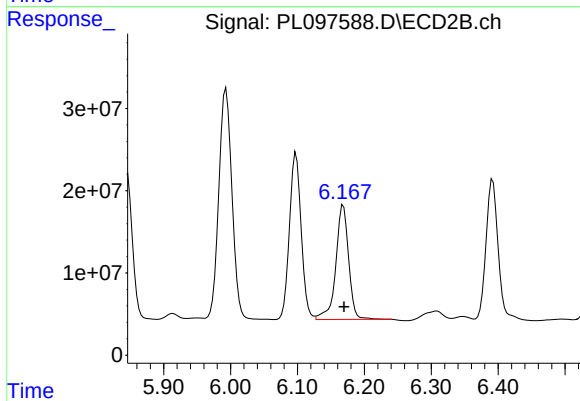
#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 246823358
Conc: 37.04 ng/ml



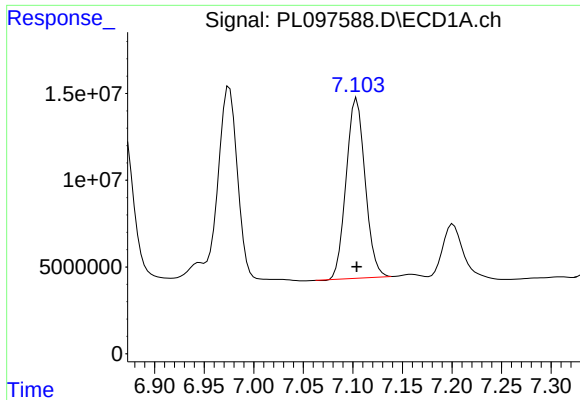
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 116466301
Conc: 35.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 184960892
Conc: 32.12 ng/ml



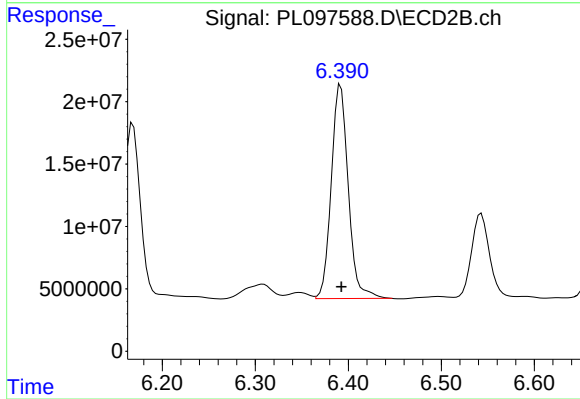
#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 138464319
Conc: 34.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

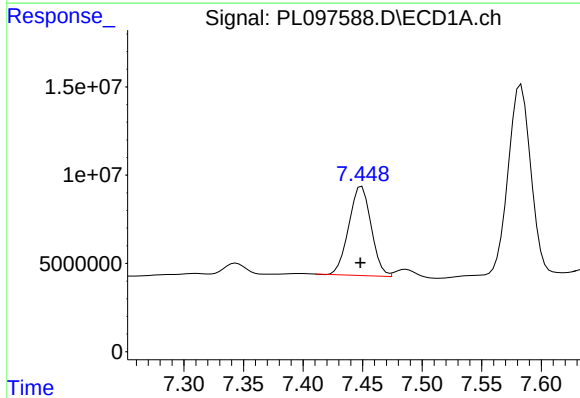
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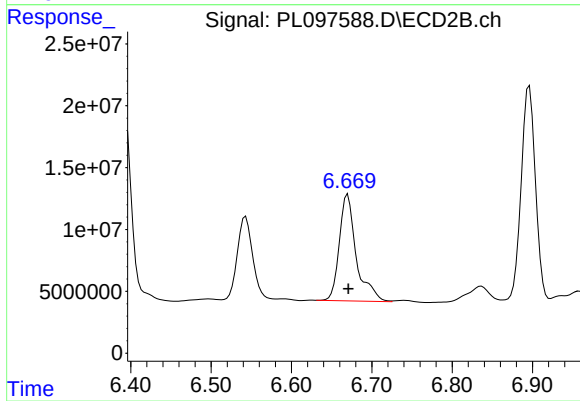
#19 Endosulfan Sulfate

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 218223011
Conc: 32.78 ng/ml



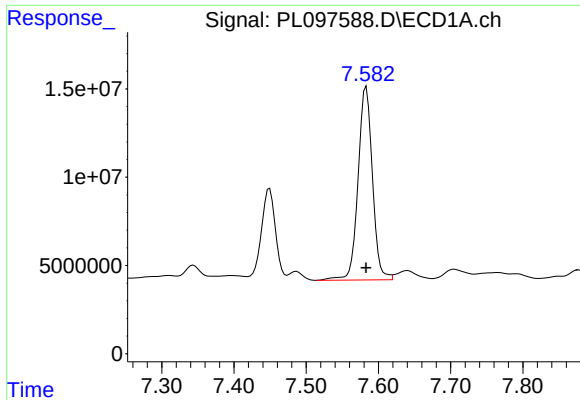
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.001 min
Response: 66001333
Conc: 31.59 ng/ml



#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 126618352
Conc: 34.74 ng/ml



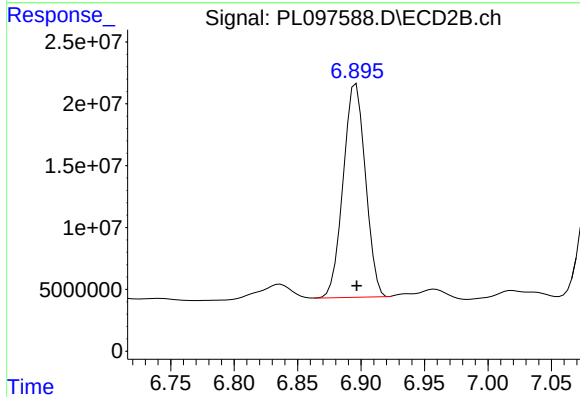
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: 0.000 min
Response: 151664771
Conc: 35.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

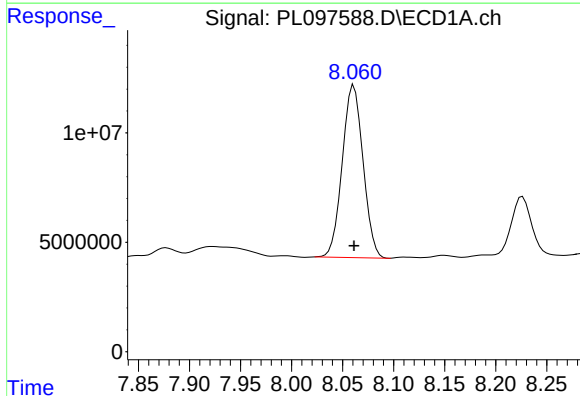
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



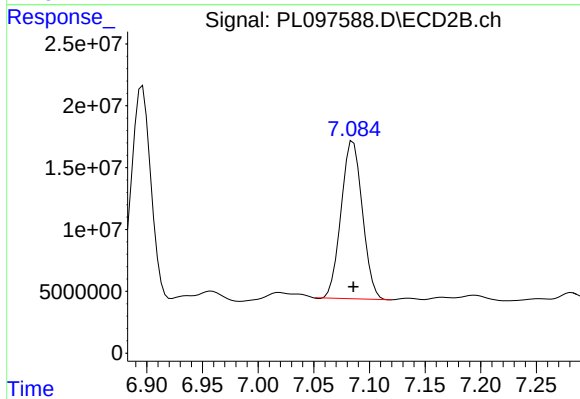
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: 0.000 min
Response: 210487949
Conc: 26.64 ng/ml



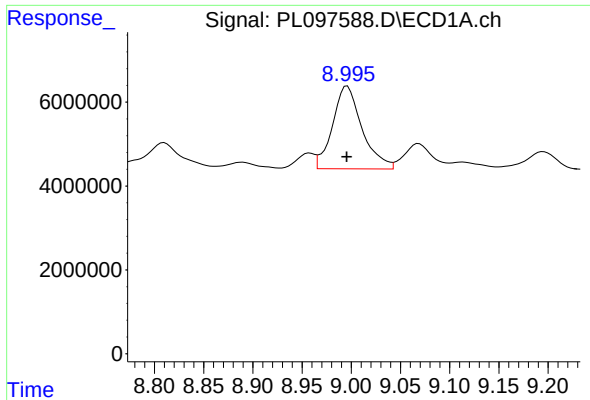
#22 Mirex

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 111748888
Conc: 35.96 ng/ml



#22 Mirex

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 169680991
Conc: 31.72 ng/ml



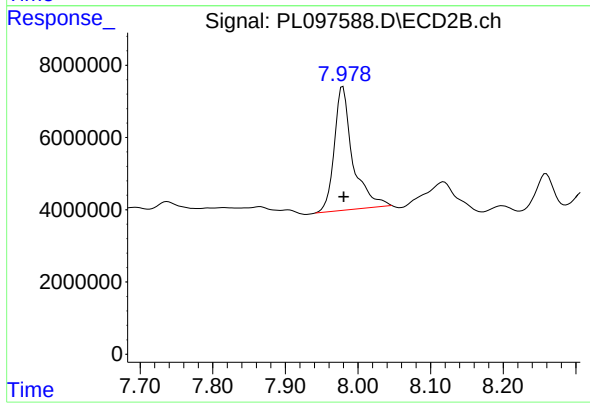
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 40792607
Conc: 13.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
ETGI-360MSD

Manual Integrations
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Reviewed By :Abdul Mirza 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 60839921
Conc: 11.72 ng/ml