

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097435.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 09:43
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 12:42:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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...	3.526	2.824	80891965	111.3E6	17.868	16.925
28)	SA Decachlor...	8.998	7.982	64705053	101.6E6	19.774	17.845
Target Compounds							
2)	A alpha-BHC	3.973	3.328	57620969	78147912	8.246	7.848
3)	MA gamma-BHC...	4.300	3.660	55774263	73099098	8.434	7.848
6)	B beta-BHC	4.488	3.956	23963952	34513124	8.790	8.497
12)	B 4,4'-DDE	6.154	5.294	1509539	1375764	0.317m	0.179m#
14)	MA Endrin	6.530	5.701	211.1E6	332.5E6	45.758	44.273
16)	A 4,4'-DDD	6.663	5.847	15470039	20110616	4.103	3.118
17)	MA 4,4'-DDT	6.977	6.100	321.7E6	497.6E6	76.106	71.902
18)	B Endrin al...	6.873	6.172	2503368	3355368	0.812m	0.629m
20)	A Methoxychlor	7.450	6.672	377.7E6	582.4E6	181.103	154.514
21)	B Endrin ke...	7.585	6.895	5207541	8779587	1.227	1.166m

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

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Data File : PL097435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 09:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

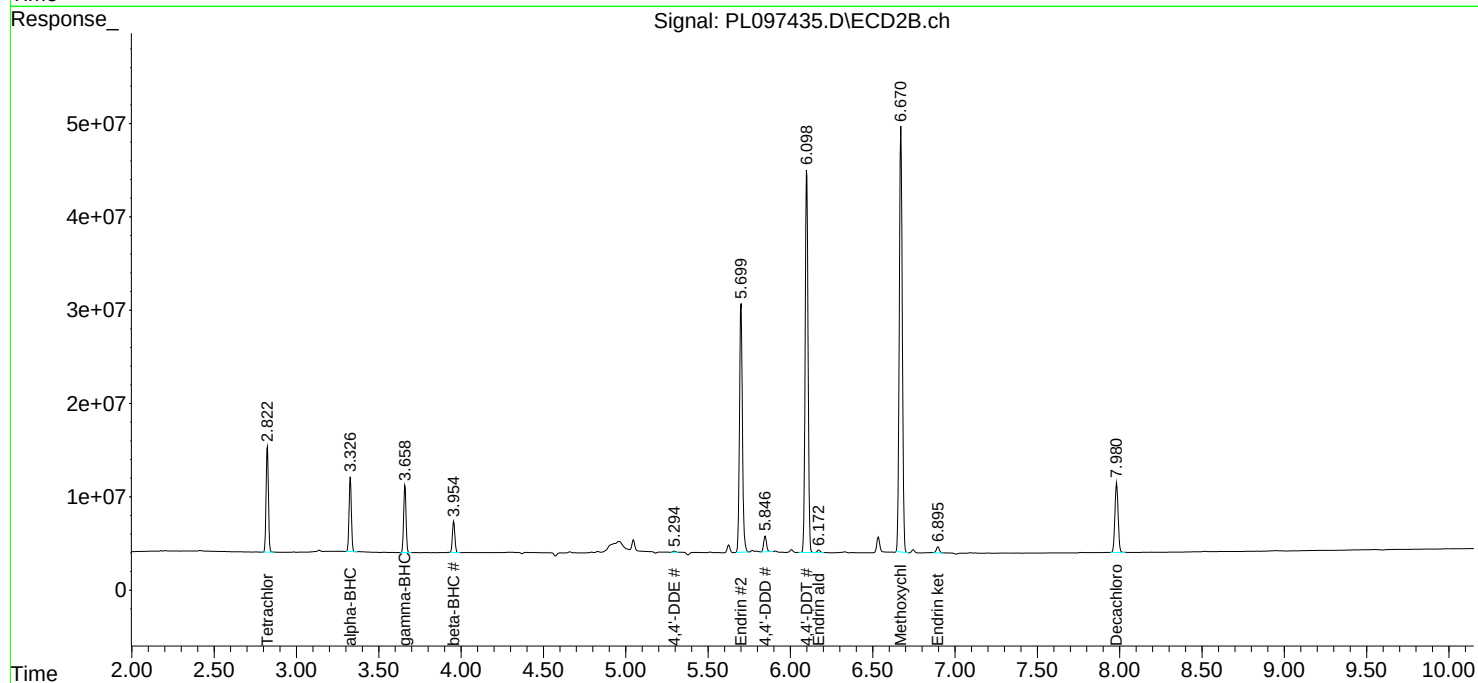
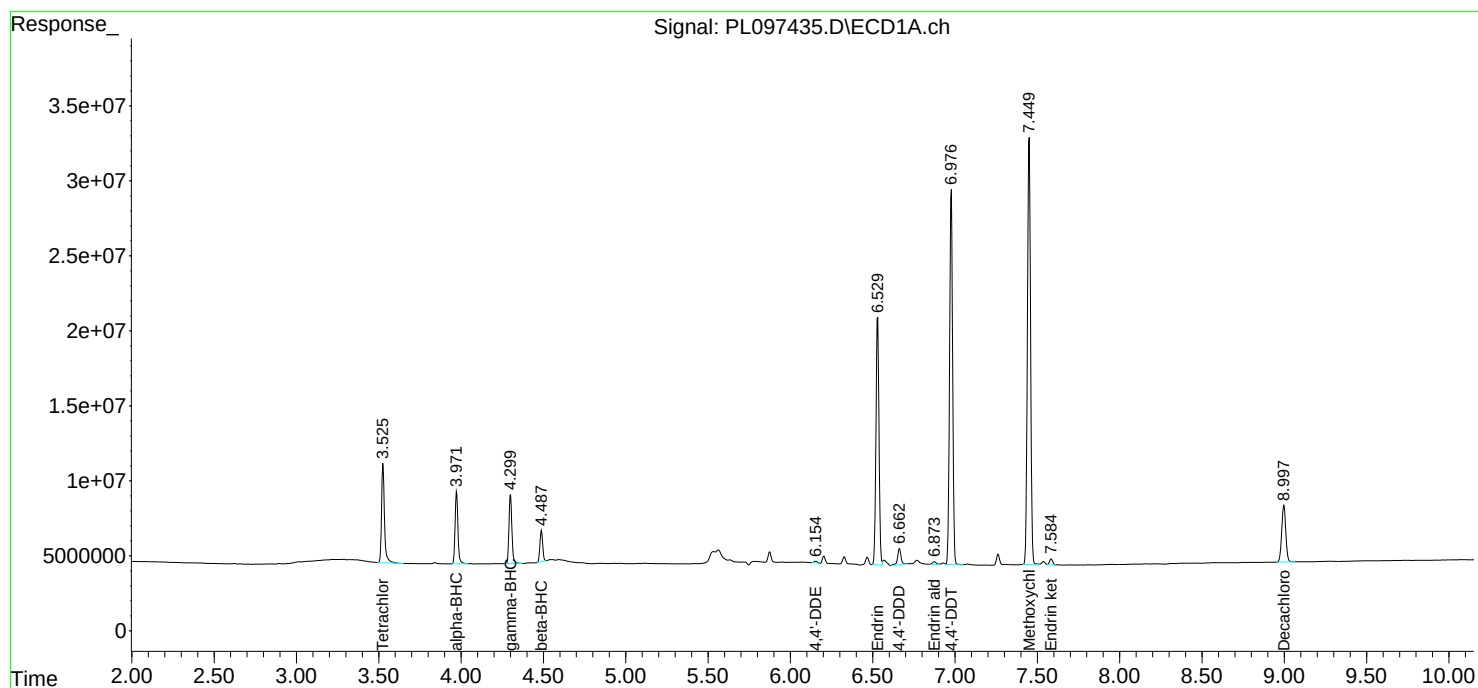
Instrument :
ECD_L
ClientSampleId :
PEM

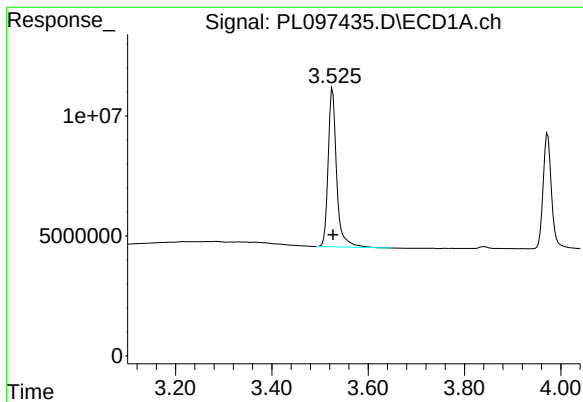
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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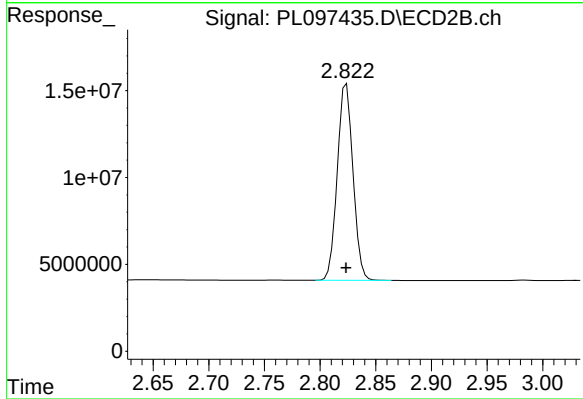
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 80891965
Conc: 17.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

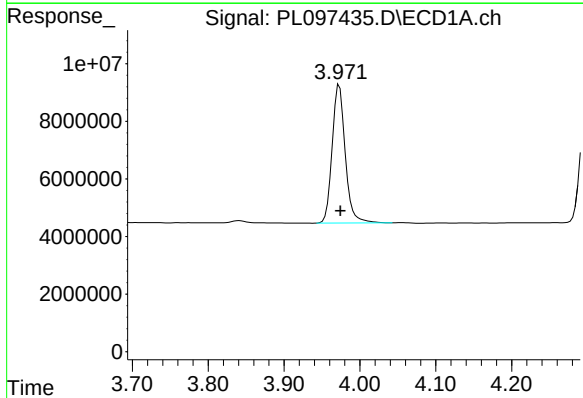
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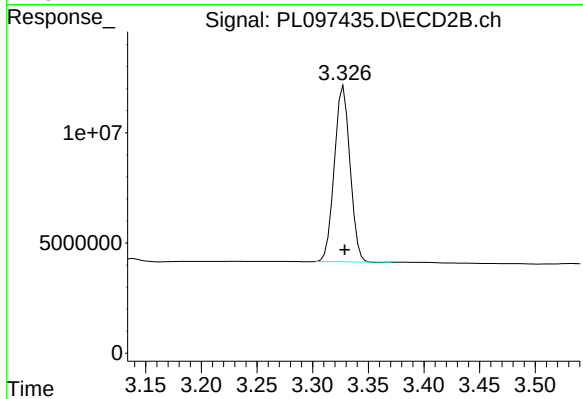
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 111288691
Conc: 16.92 ng/ml



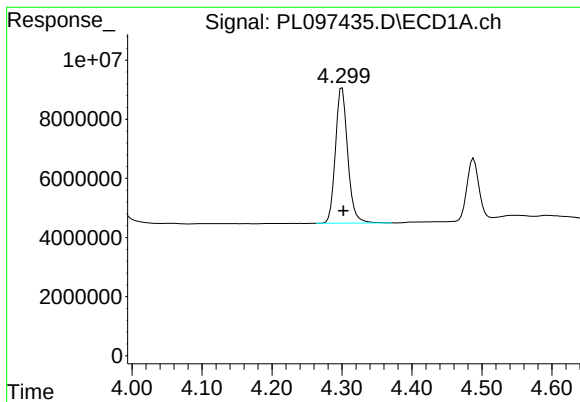
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 57620969
Conc: 8.25 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 78147912
Conc: 7.85 ng/ml



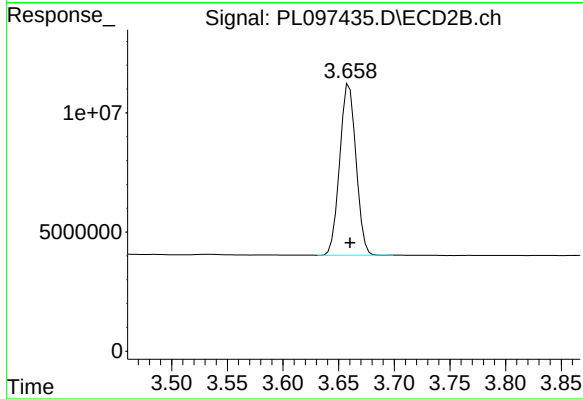
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.002 min
Response: 55774263
Conc: 8.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

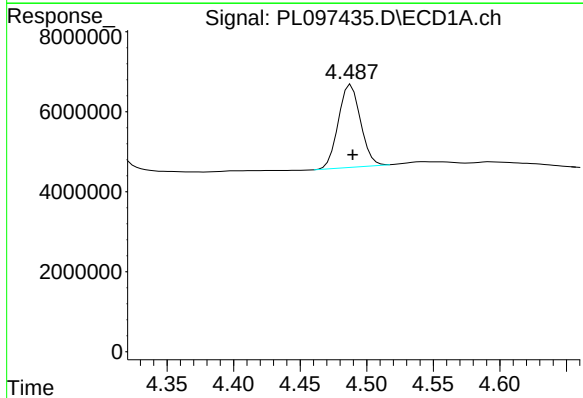
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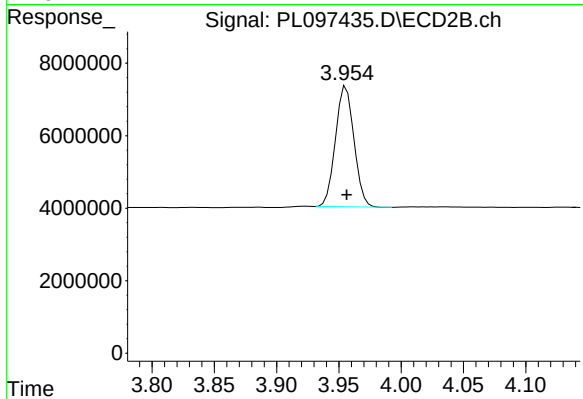
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 73099098
Conc: 7.85 ng/ml



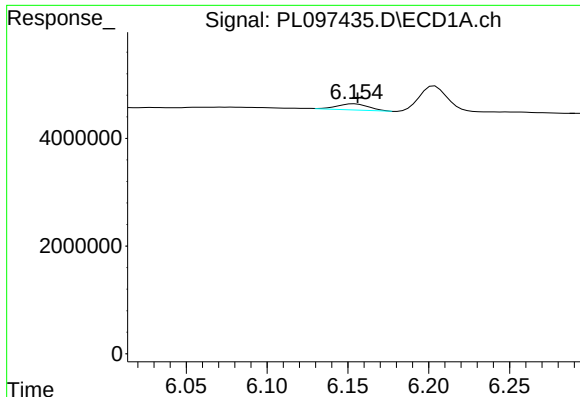
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 23963952
Conc: 8.79 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 34513124
Conc: 8.50 ng/ml



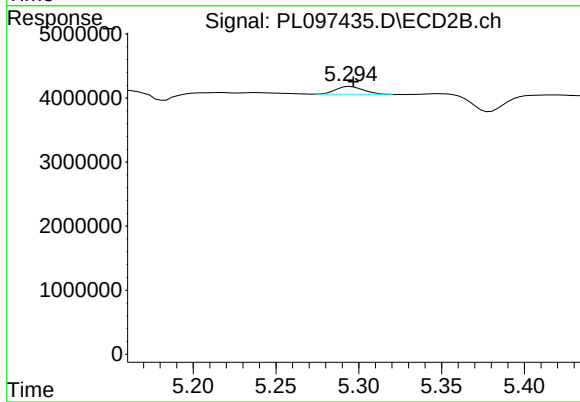
#12 4,4'-DDE

R.T.: 6.154 min
Delta R.T.: -0.002 min
Response: 1509539
Conc: 0.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

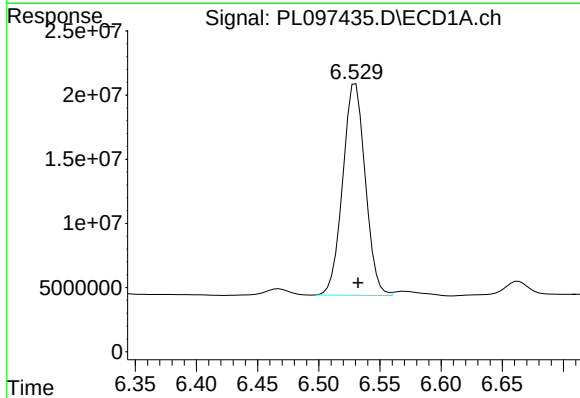
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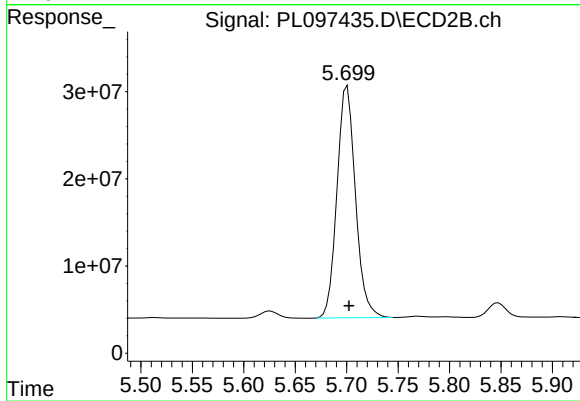
#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 1375764
Conc: 0.18 ng/ml m



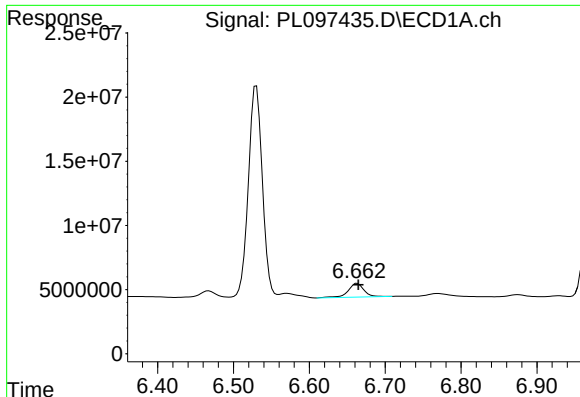
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 211089894
Conc: 45.76 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 332509939
Conc: 44.27 ng/ml



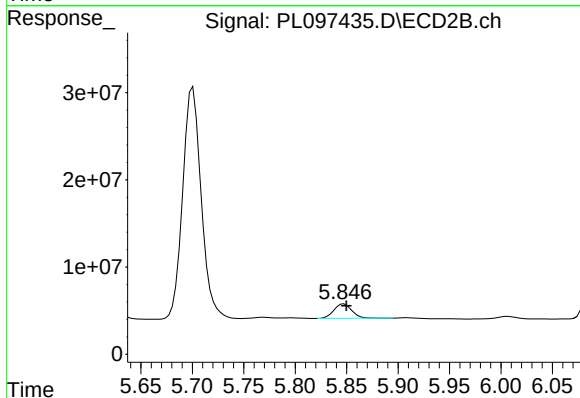
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 15470039
Conc: 4.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

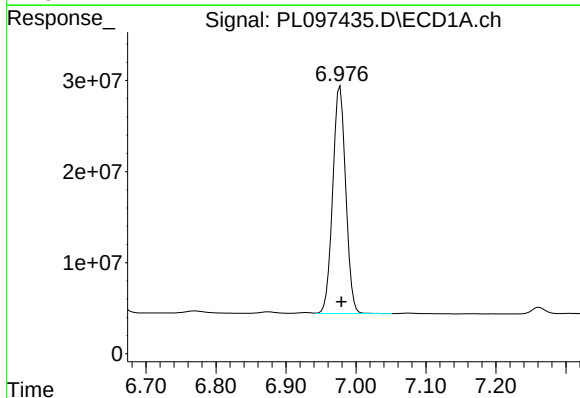
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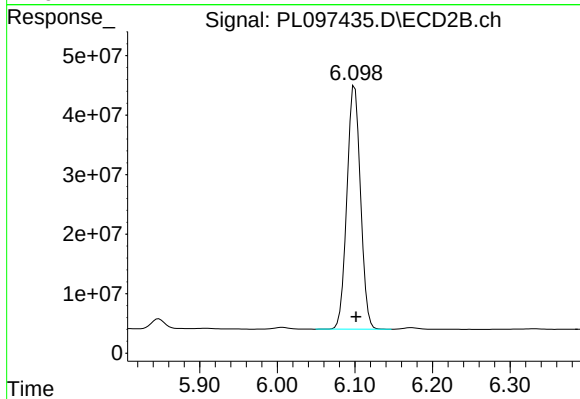
#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.002 min
Response: 20110616
Conc: 3.12 ng/ml



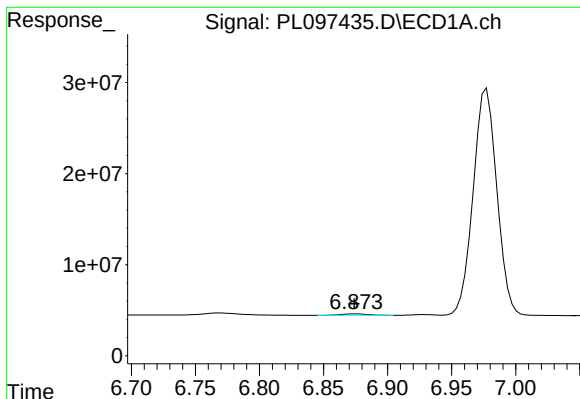
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 321713982
Conc: 76.11 ng/ml



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.002 min
Response: 497599419
Conc: 71.90 ng/ml



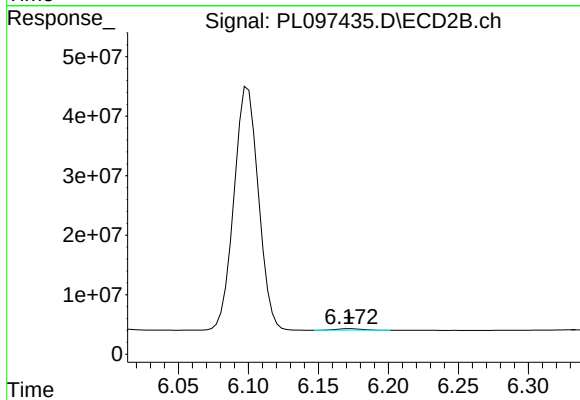
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: 0.000 min
Response: 2503368
Conc: 0.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

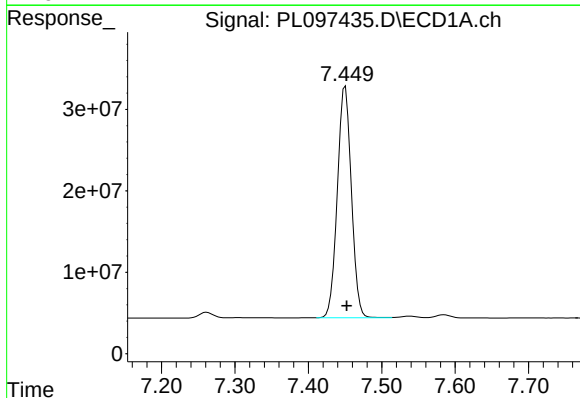
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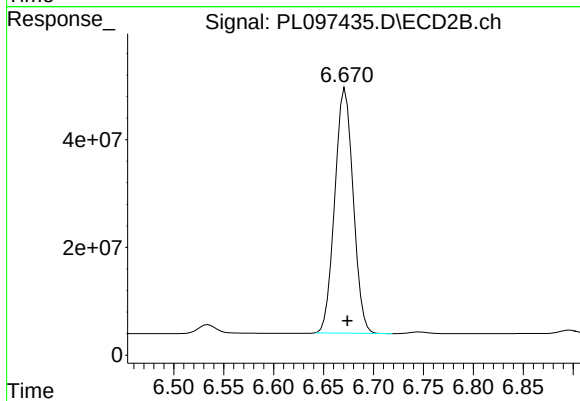
#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 3355368
Conc: 0.63 ng/ml m



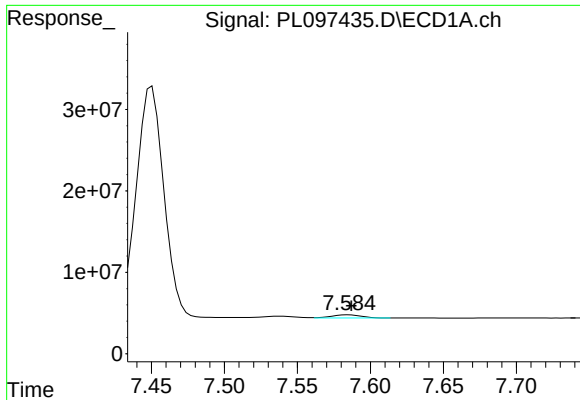
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.002 min
Response: 377668214
Conc: 181.10 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 582438087
Conc: 154.51 ng/ml



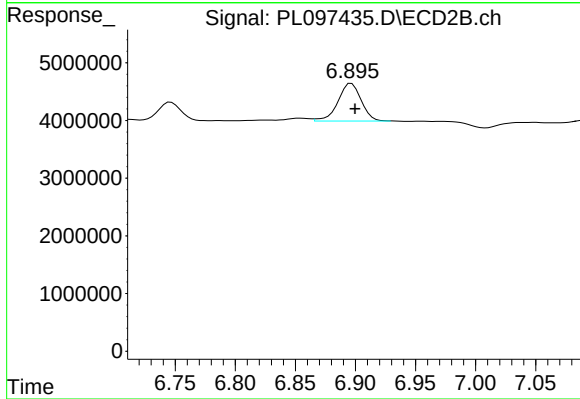
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.002 min
Response: 5207541
Conc: 1.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

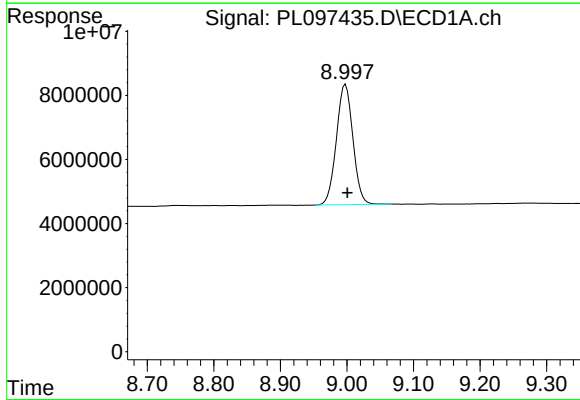
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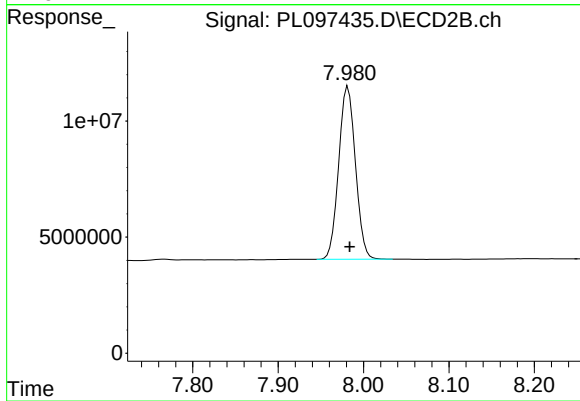
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.005 min
Response: 8779587
Conc: 1.17 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.003 min
Response: 64705053
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 101568680
Conc: 17.85 ng/ml