

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL120225\
 Data File : PL097761.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Dec 2025 12:23
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/03/2025
 Supervised By :mohammad ahmed 12/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 03 01:21:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112525.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 03 01:21:36 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...	3.504	2.803	113.4E6	144.4E6	22.129	20.190
28)	SA Decachlor...	8.971	7.953	70002798	107.4E6	21.810	22.823
Target Compounds							
2)	A alpha-BHC	3.951	3.306	85208618	104.5E6	10.044	9.123
3)	MA gamma-BHC...	4.280	3.636	82344231	98510247	10.564	9.597
6)	B beta-BHC	4.467	3.933	34716646	43746969	10.632m	9.889
12)	B 4,4'-DDE	6.129	5.268	1246068	2343529	0.233m	0.288m
14)	MA Endrin	6.509	5.673	248.3E6	377.4E6	53.935	49.096
16)	A 4,4'-DDD	6.644	5.822	4107380	11009355	0.965m	1.627m#
17)	MA 4,4'-DDT	6.957	6.073	428.7E6	565.9E6	117.483	114.835
18)	B Endrin al...	6.849	6.146	1396929	2565175	0.385m	0.409m
20)	A Methoxychlor	7.430	6.645	512.3E6	650.2E6	271.466	242.057
21)	B Endrin ke...	7.561	6.870	3520120	7563699	0.807m	1.038 #

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

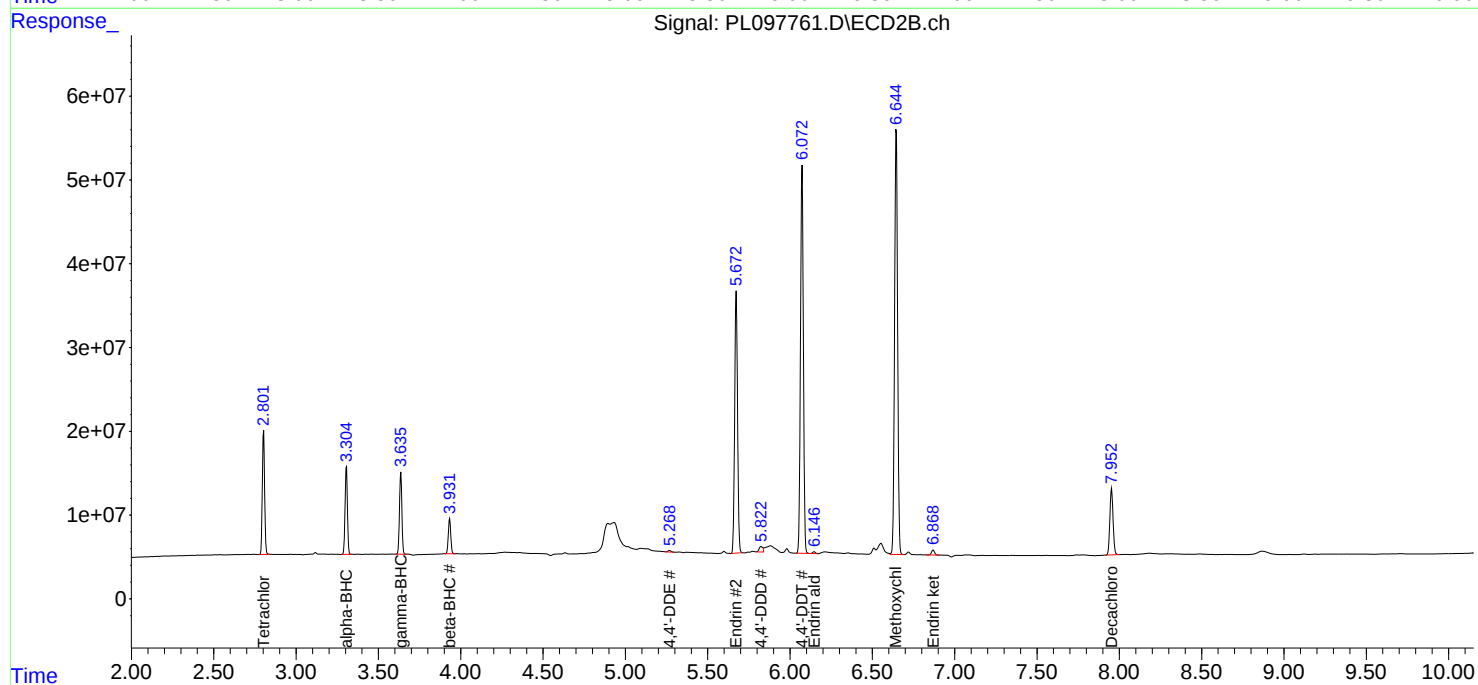
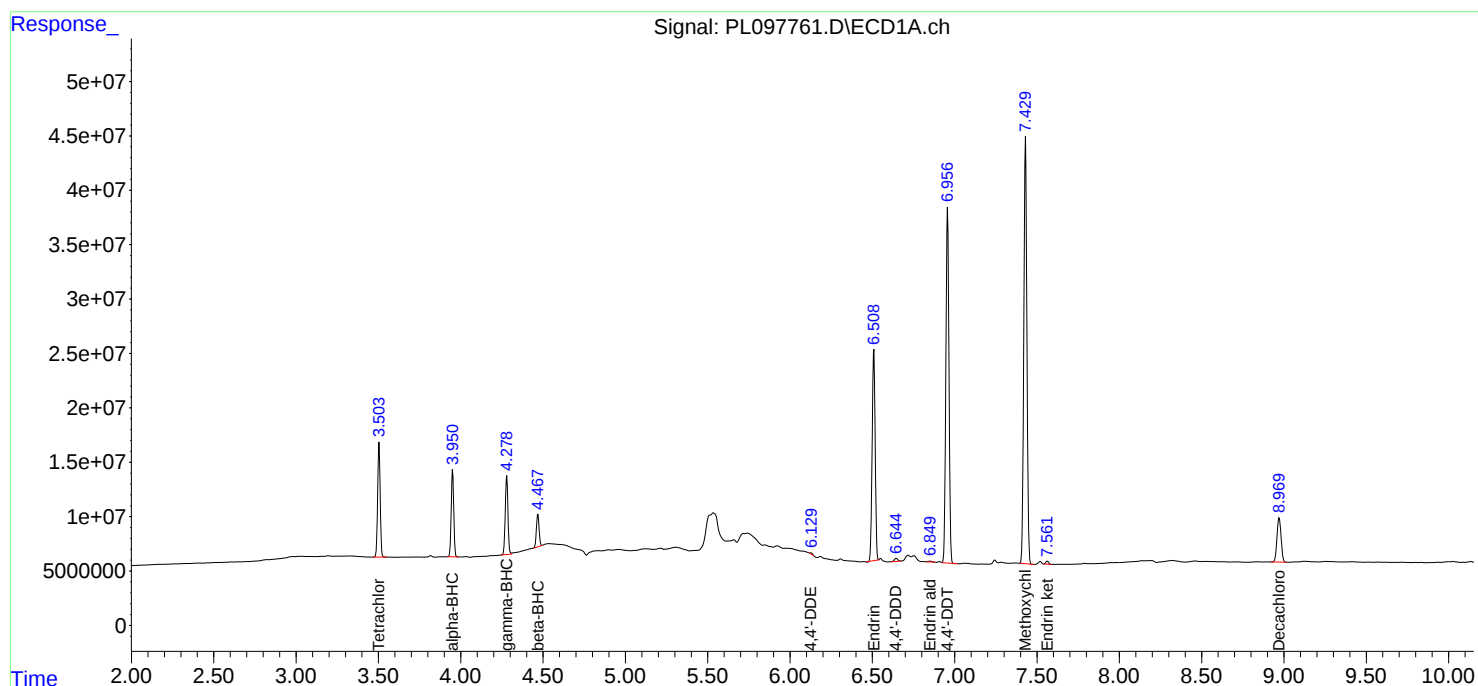
Instrument :
ECD_L
ClientSampleId :
PEM

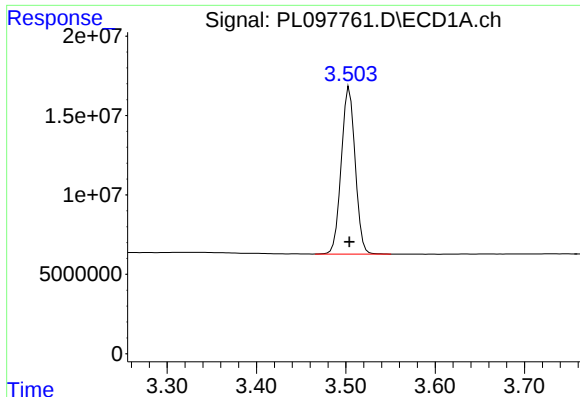
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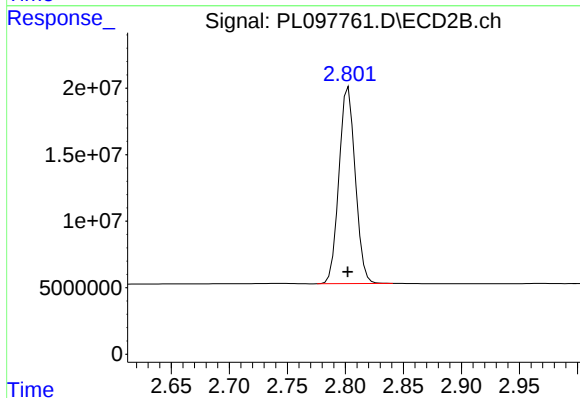
#1 Tetrachloro-m-xylene

R.T.: 3.504 min
Delta R.T.: 0.000 min
Response: 113383209
Conc: 22.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

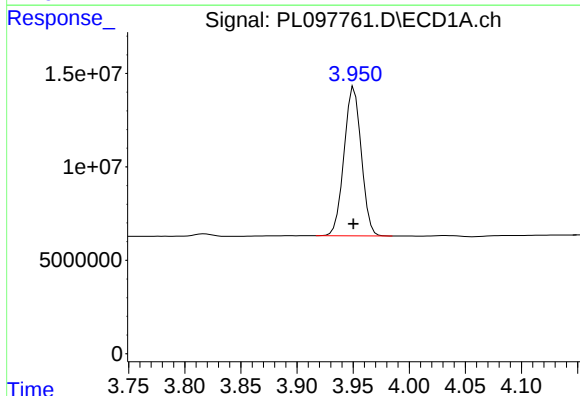
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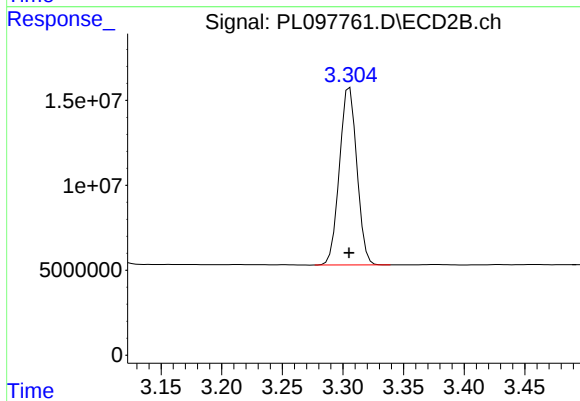
#1 Tetrachloro-m-xylene

R.T.: 2.803 min
Delta R.T.: 0.000 min
Response: 144419615
Conc: 20.19 ng/ml



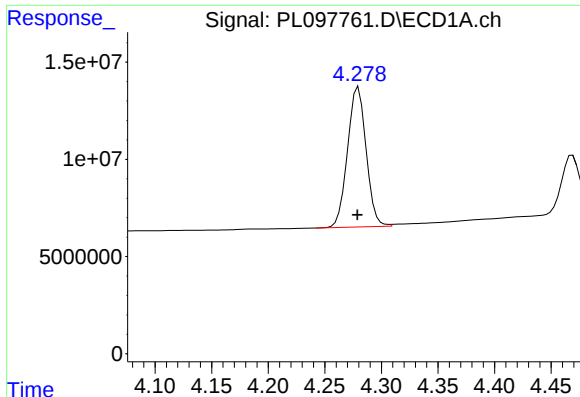
#2 alpha-BHC

R.T.: 3.951 min
Delta R.T.: 0.000 min
Response: 85208618
Conc: 10.04 ng/ml



#2 alpha-BHC

R.T.: 3.306 min
Delta R.T.: 0.000 min
Response: 104498466
Conc: 9.12 ng/ml



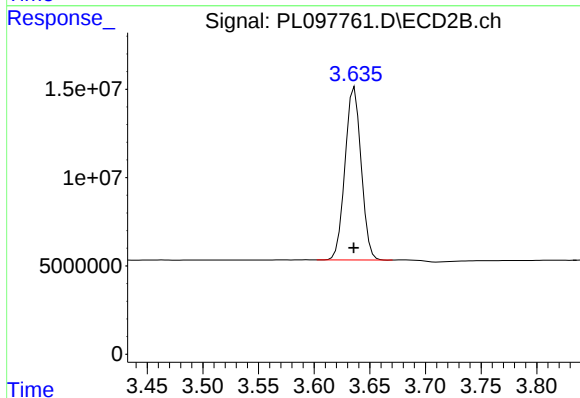
#3 gamma-BHC (Lindane)

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 82344231
Conc: 10.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

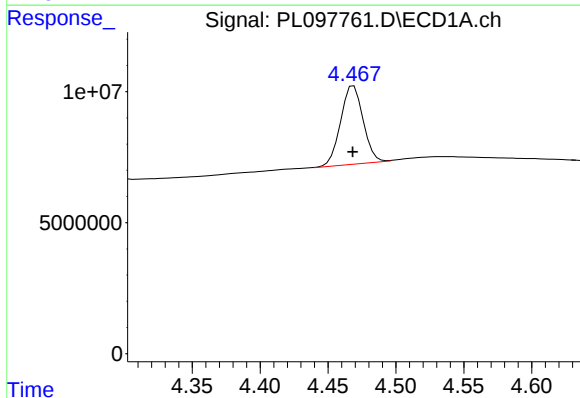
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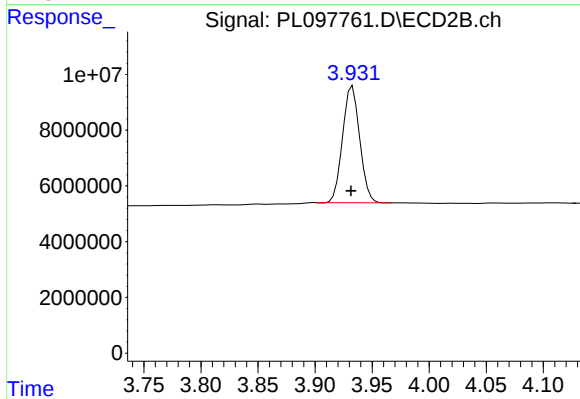
#3 gamma-BHC (Lindane)

R.T.: 3.636 min
Delta R.T.: 0.000 min
Response: 98510247
Conc: 9.60 ng/ml



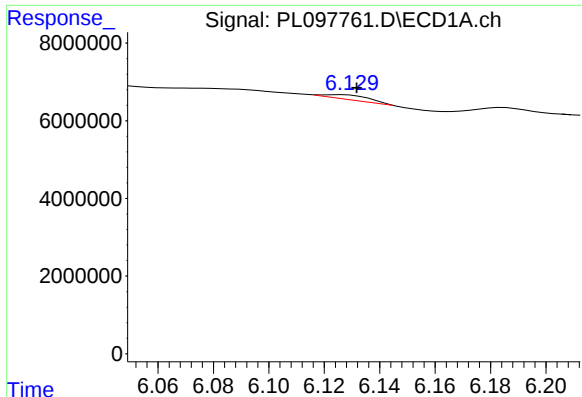
#6 beta-BHC

R.T.: 4.467 min
Delta R.T.: 0.000 min
Response: 34716646
Conc: 10.63 ng/ml m



#6 beta-BHC

R.T.: 3.933 min
Delta R.T.: 0.001 min
Response: 43746969
Conc: 9.89 ng/ml



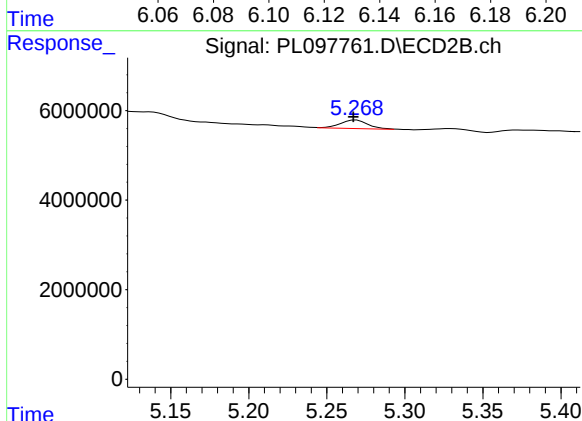
#12 4,4'-DDE

R.T.: 6.129 min
Delta R.T.: -0.003 min
Response: 1246068
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

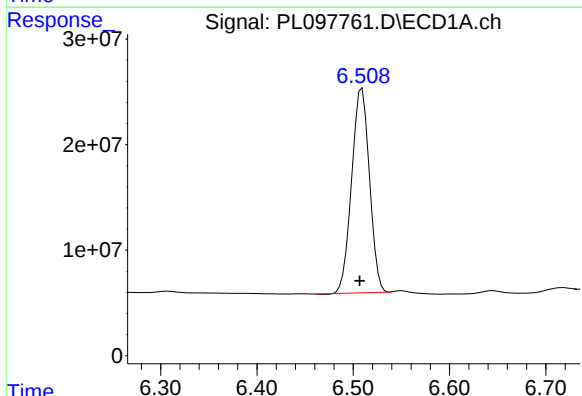
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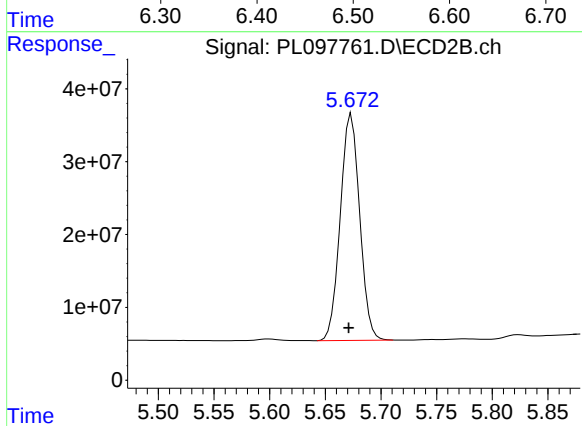
#12 4,4'-DDE

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 2343529
Conc: 0.29 ng/ml m



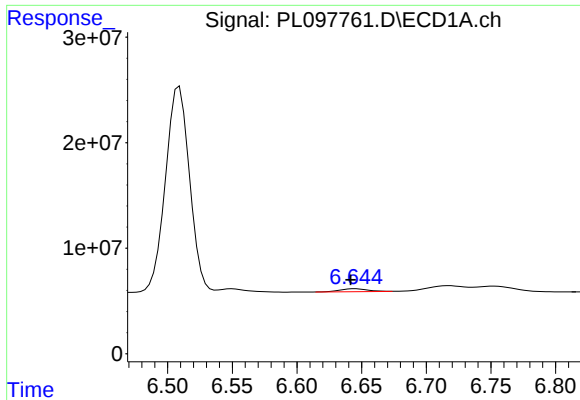
#14 Endrin

R.T.: 6.509 min
Delta R.T.: 0.002 min
Response: 248291365
Conc: 53.94 ng/ml



#14 Endrin

R.T.: 5.673 min
Delta R.T.: 0.002 min
Response: 377356706
Conc: 49.10 ng/ml



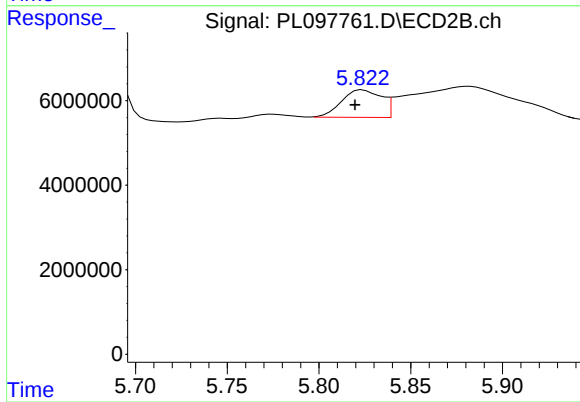
#16 4,4'-DDD

R.T.: 6.644 min
Delta R.T.: 0.002 min
Response: 4107380
Conc: 0.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

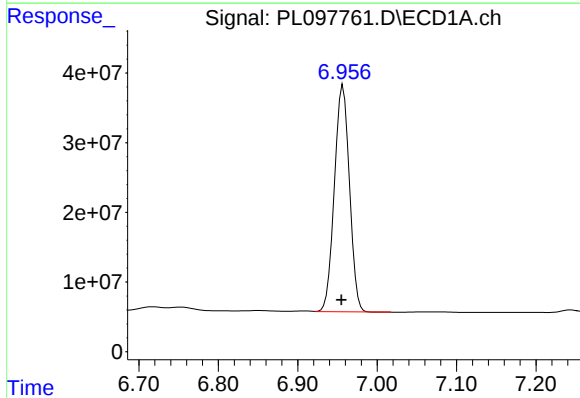
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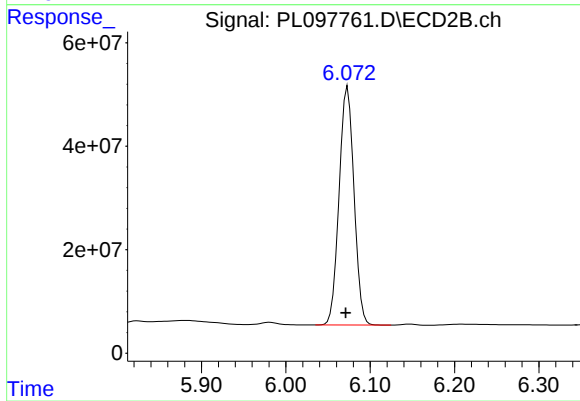
#16 4,4'-DDD

R.T.: 5.822 min
Delta R.T.: 0.003 min
Response: 11009355
Conc: 1.63 ng/ml m



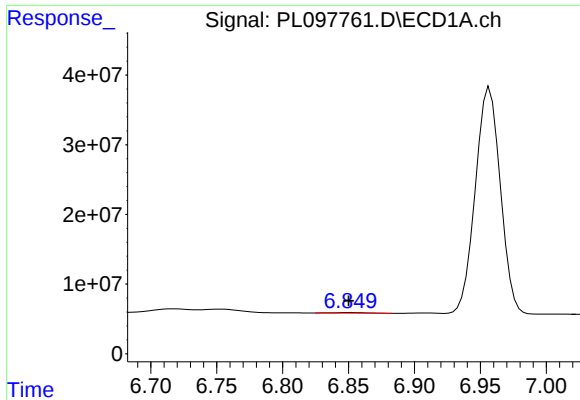
#17 4,4'-DDT

R.T.: 6.957 min
Delta R.T.: 0.002 min
Response: 428688432
Conc: 117.48 ng/ml



#17 4,4'-DDT

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 565928826
Conc: 114.83 ng/ml



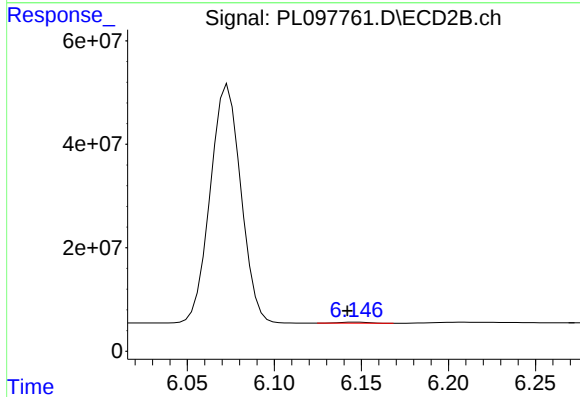
#18 Endrin aldehyde

R.T.: 6.849 min
Delta R.T.: 0.000 min
Response: 1396929
Conc: 0.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

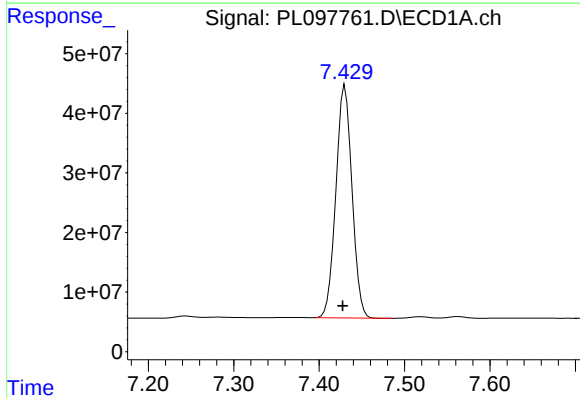
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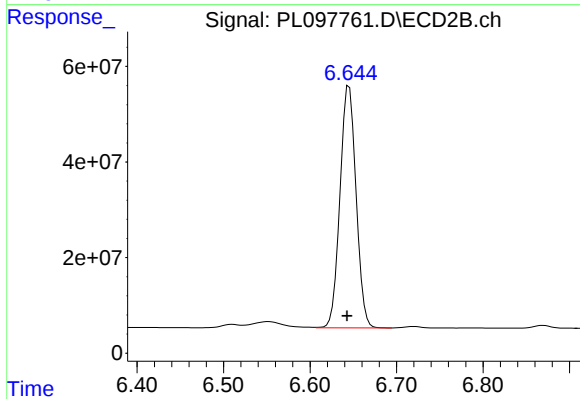
#18 Endrin aldehyde

R.T.: 6.146 min
Delta R.T.: 0.004 min
Response: 2565175
Conc: 0.41 ng/ml m



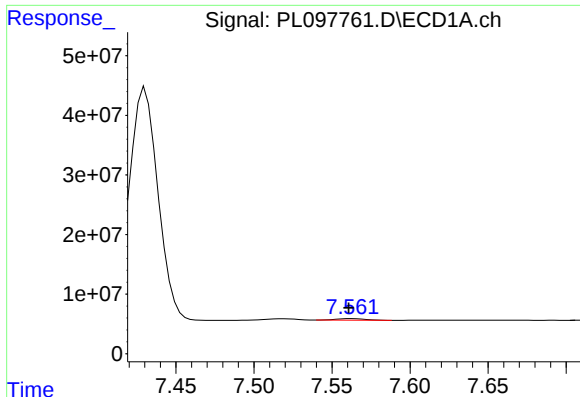
#20 Methoxychlor

R.T.: 7.430 min
Delta R.T.: 0.003 min
Response: 512338949
Conc: 271.47 ng/ml



#20 Methoxychlor

R.T.: 6.645 min
Delta R.T.: 0.002 min
Response: 650216208
Conc: 242.06 ng/ml



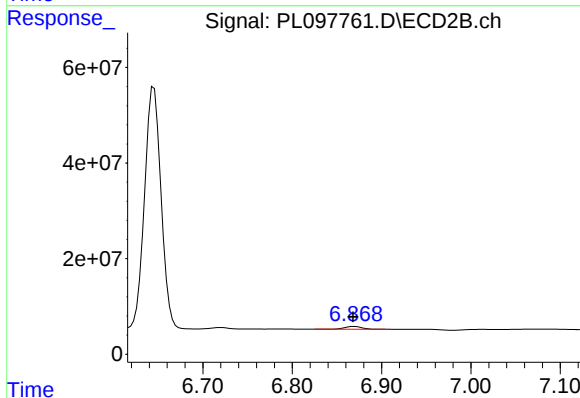
#21 Endrin ketone

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 3520120
Conc: 0.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

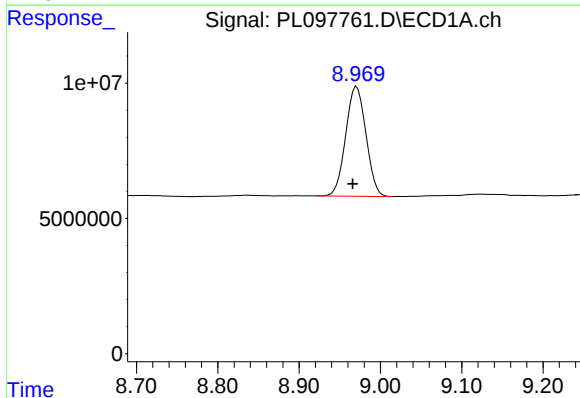
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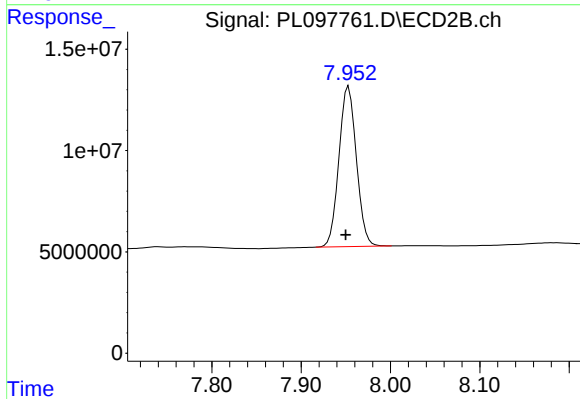
#21 Endrin ketone

R.T.: 6.870 min
Delta R.T.: 0.002 min
Response: 7563699
Conc: 1.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.971 min
Delta R.T.: 0.005 min
Response: 70002798
Conc: 21.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.953 min
Delta R.T.: 0.003 min
Response: 107423239
Conc: 22.82 ng/ml