

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100325\
 Data File : PL097509.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Oct 2025 03:05
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/06/2025
 Supervised By :mohammad ahmed 10/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 01:20:54 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	83131678	120.0E6	18.363	18.251
28)	SA Decachlor...	8.996	7.981	69295411	109.6E6	21.177	19.261
Target Compounds							
2)	A alpha-BHC	3.973	3.328	59781226	84688676	8.556	8.505
3)	MA gamma-BHC...	4.300	3.660	58659174	80330513	8.870	8.624
6)	B beta-BHC	4.488	3.956	25084044	37161841	9.201	9.149
12)	B 4,4'-DDE	6.154	5.294	1189698	1100253	0.250m	0.143m#
14)	MA Endrin	6.529	5.700	212.0E6	336.0E6	45.958	44.742
16)	A 4,4'-DDD	6.662	5.846	32717104	39436002	8.677	6.115 #
17)	MA 4,4'-DDT	6.976	6.099	352.5E6	544.8E6	83.380	78.721
18)	B Endrin al...	6.871	6.171	3451112	6112090	1.119m	1.145
20)	A Methoxychlor	7.449	6.671	430.2E6	659.9E6	206.313	175.069
21)	B Endrin ke...	7.583	6.896	12367560	21273980	2.914	2.825

(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

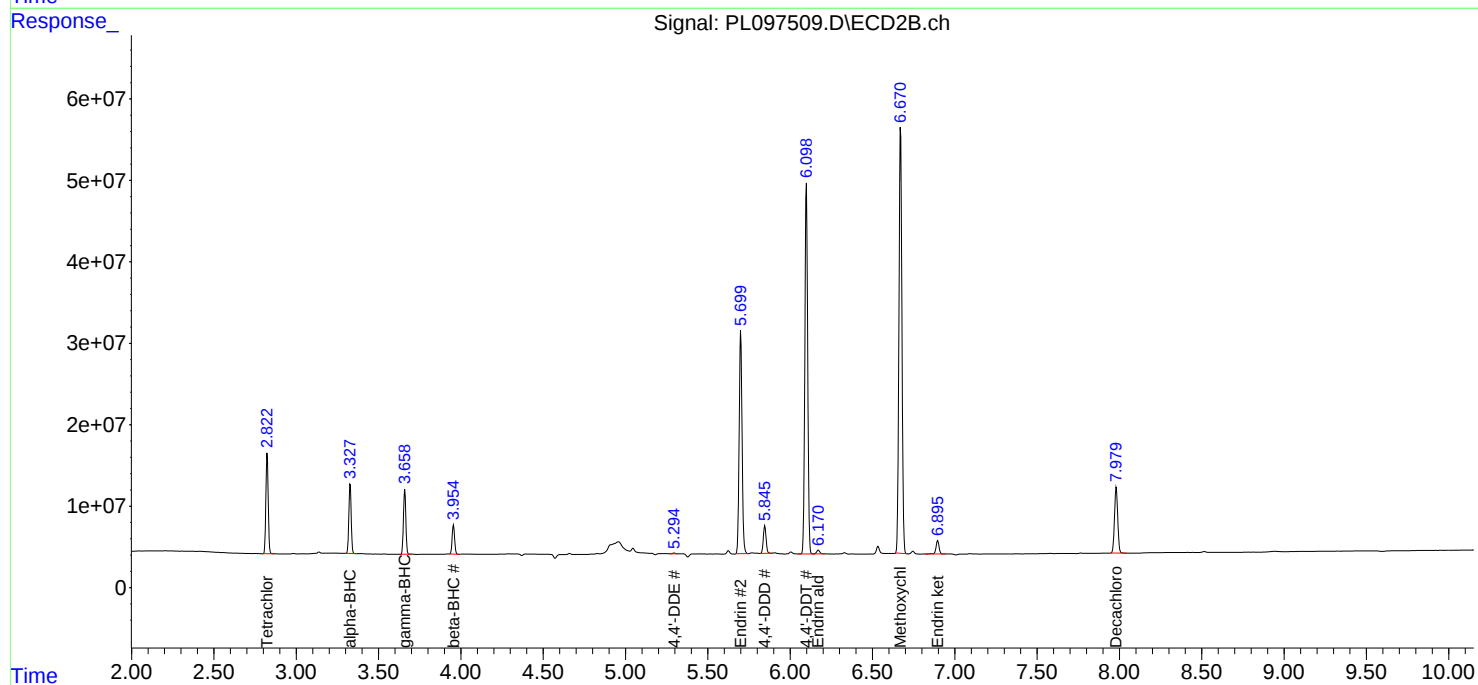
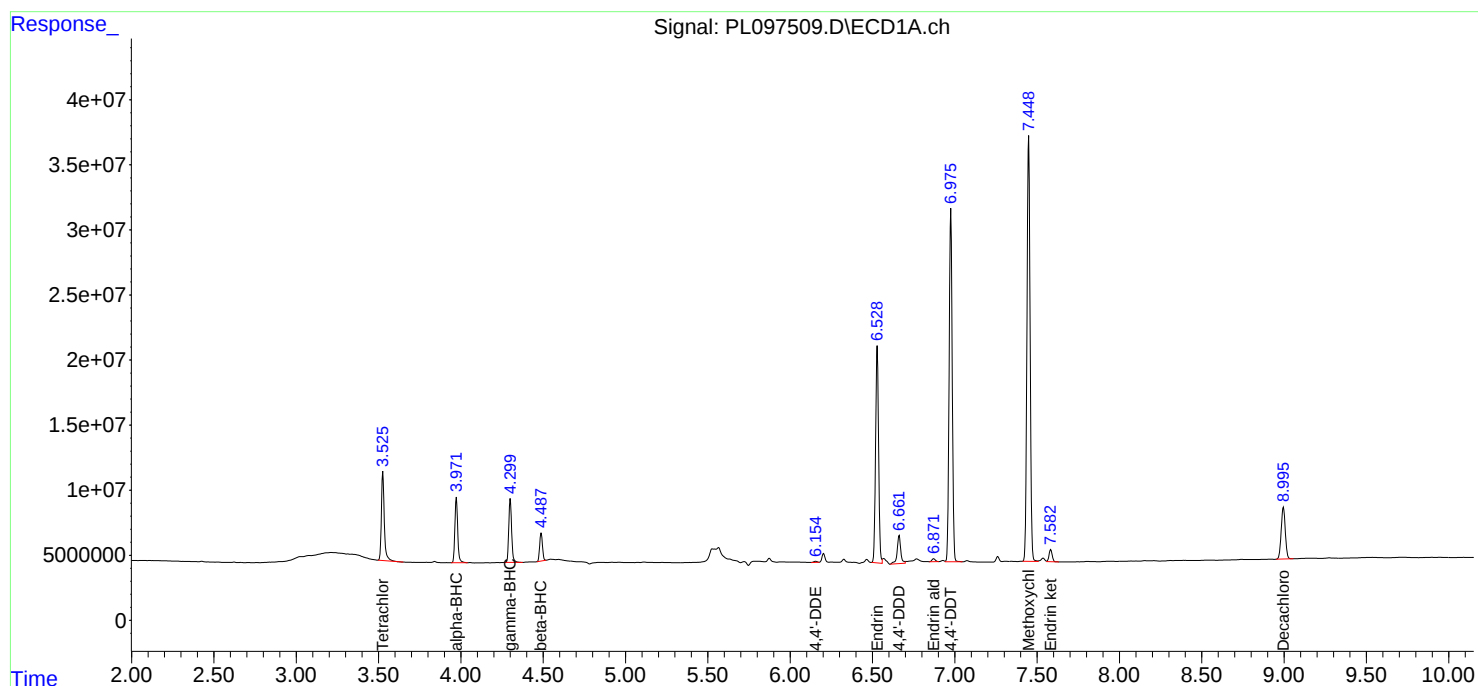
Instrument :
ECD_L
ClientSampleId :
PEM

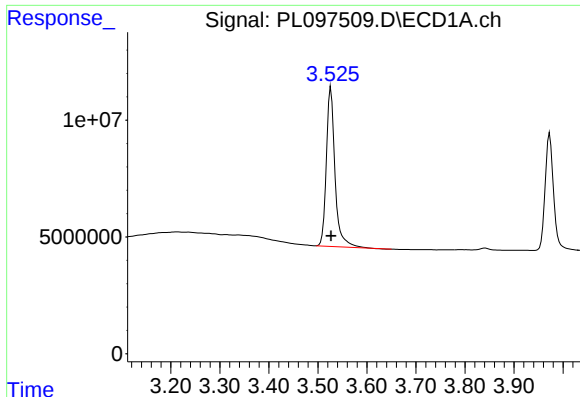
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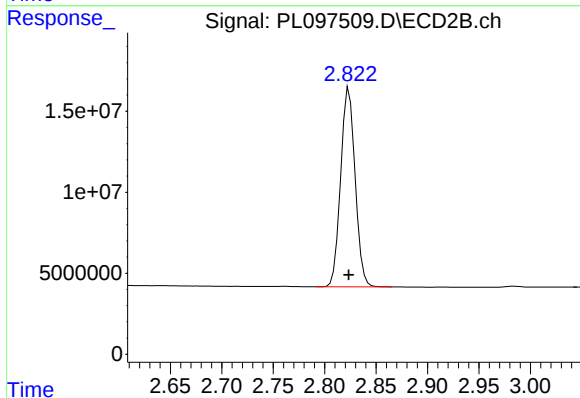
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 83131678
Conc: 18.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

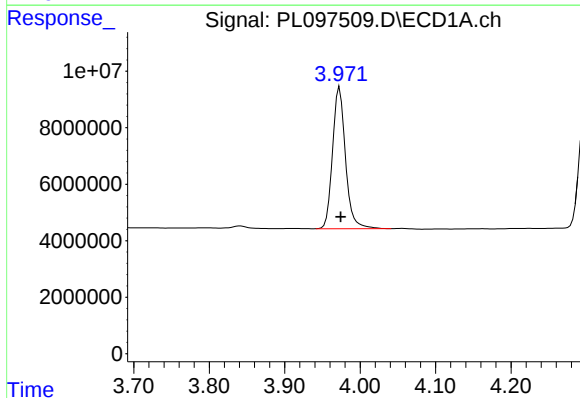
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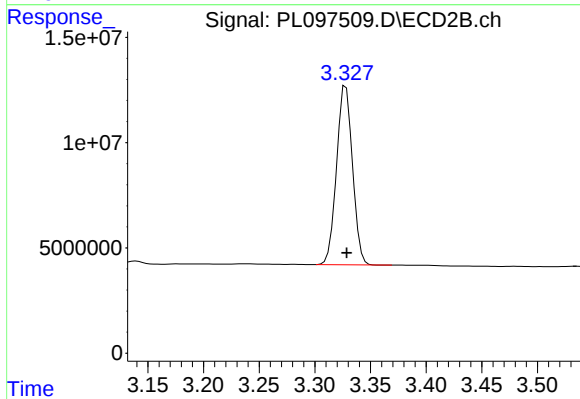
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 120010971
Conc: 18.25 ng/ml



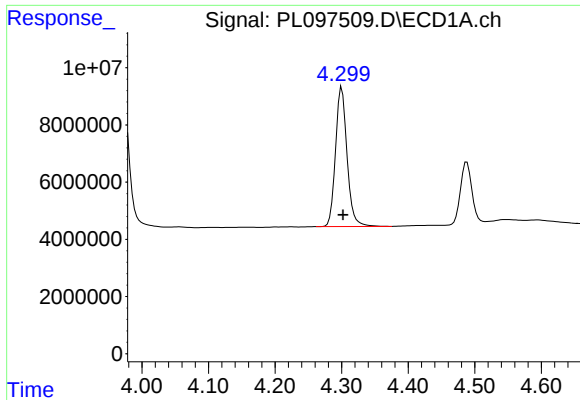
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 59781226
Conc: 8.56 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 84688676
Conc: 8.50 ng/ml



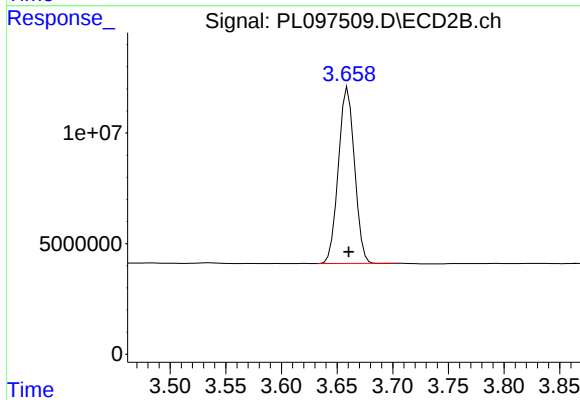
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.002 min
Response: 58659174
Conc: 8.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

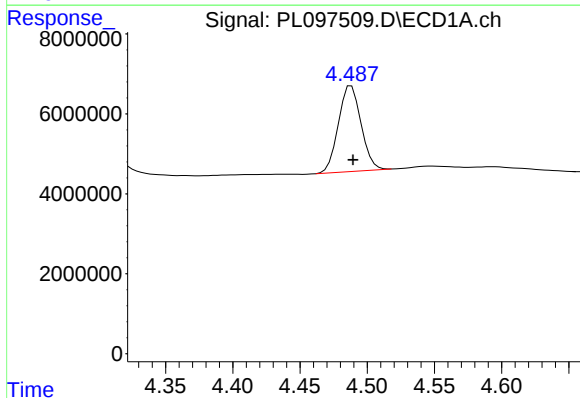
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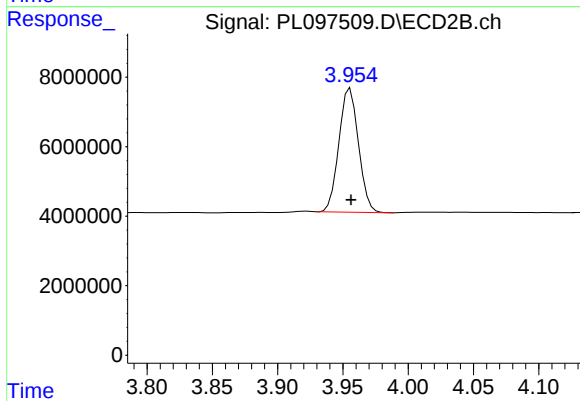
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 80330513
Conc: 8.62 ng/ml



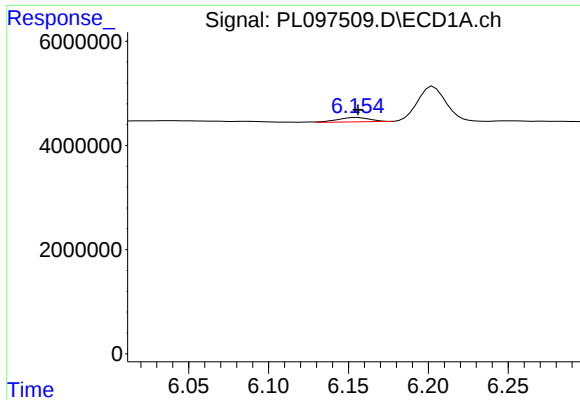
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 25084044
Conc: 9.20 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 37161841
Conc: 9.15 ng/ml



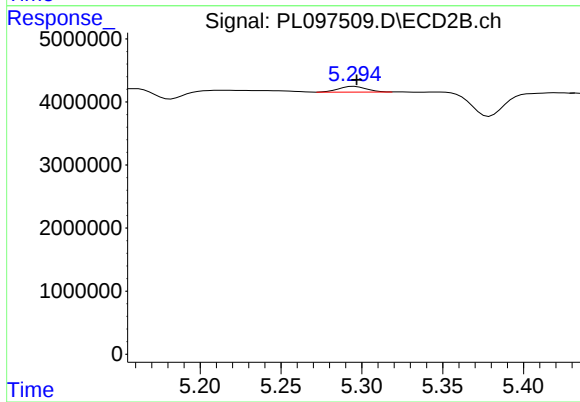
#12 4,4'-DDE

R.T.: 6.154 min
Delta R.T.: -0.002 min
Response: 1189698
Conc: 0.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

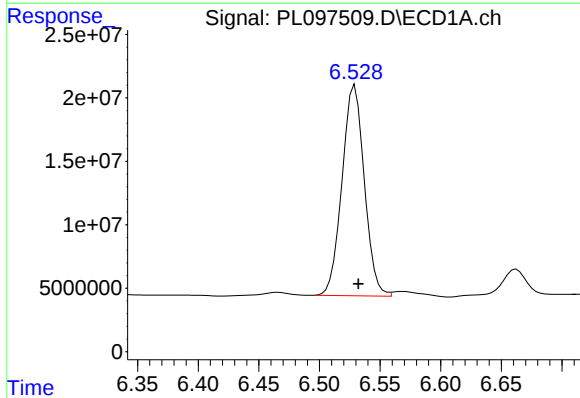
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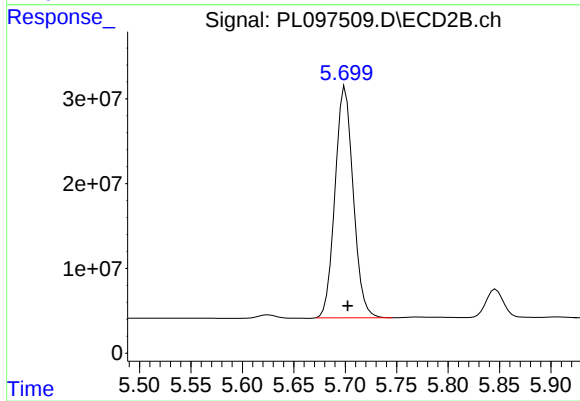
#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 1100253
Conc: 0.14 ng/ml m



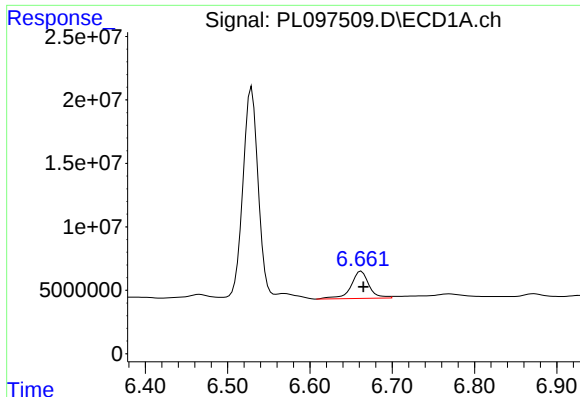
#14 Endrin

R.T.: 6.529 min
Delta R.T.: -0.003 min
Response: 212009671
Conc: 45.96 ng/ml



#14 Endrin

R.T.: 5.700 min
Delta R.T.: -0.002 min
Response: 336035612
Conc: 44.74 ng/ml



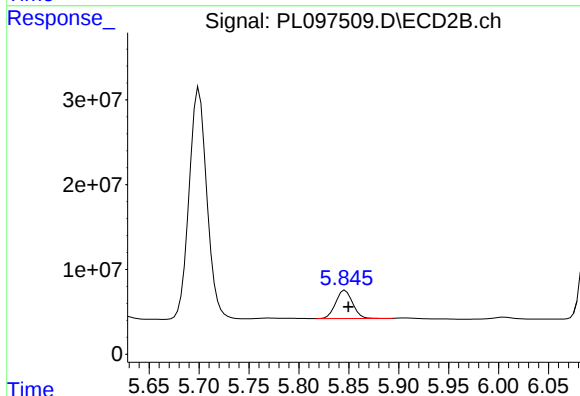
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: -0.002 min
Response: 32717104
Conc: 8.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

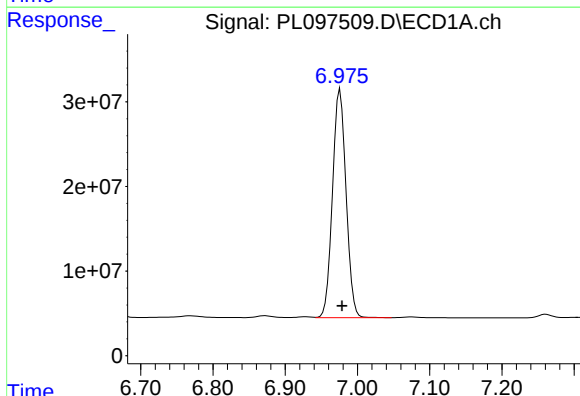
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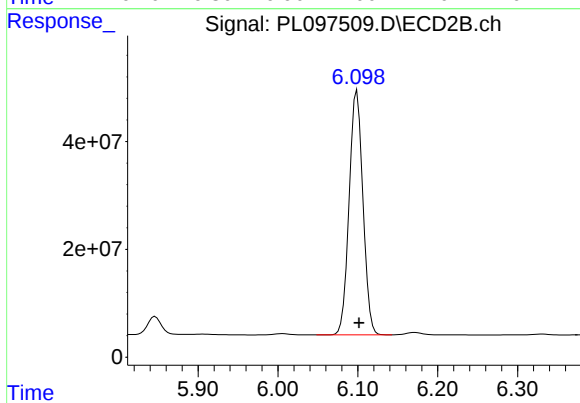
#16 4,4'-DDD

R.T.: 5.846 min
Delta R.T.: -0.003 min
Response: 39436002
Conc: 6.11 ng/ml



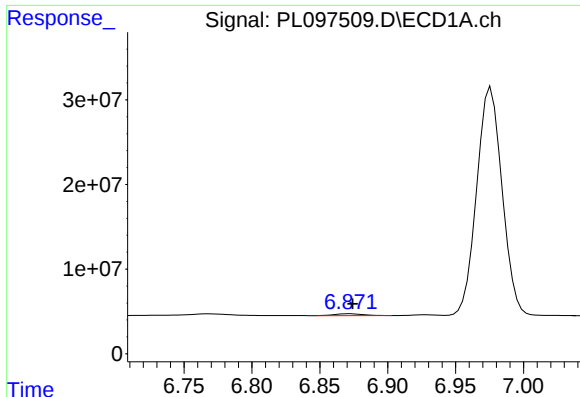
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 352462431
Conc: 83.38 ng/ml



#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: -0.003 min
Response: 544786007
Conc: 78.72 ng/ml



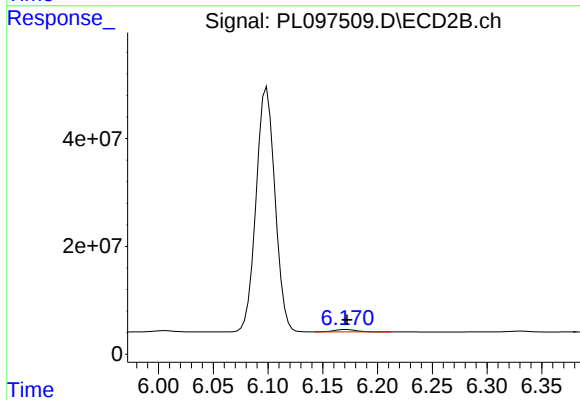
#18 Endrin aldehyde

R.T.: 6.871 min
Delta R.T.: -0.003 min
Response: 3451112
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

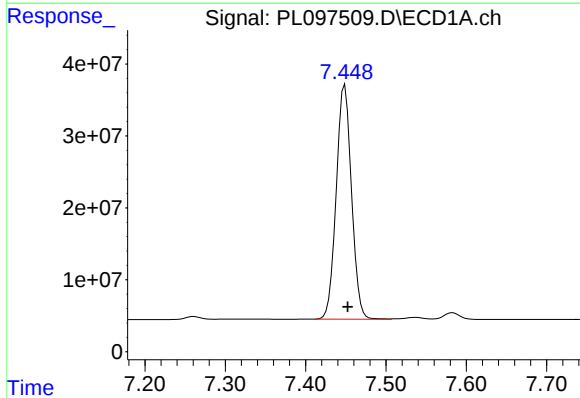
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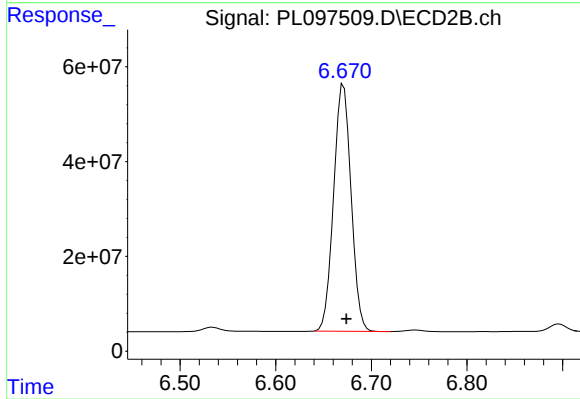
#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: 0.000 min
Response: 6112090
Conc: 1.15 ng/ml



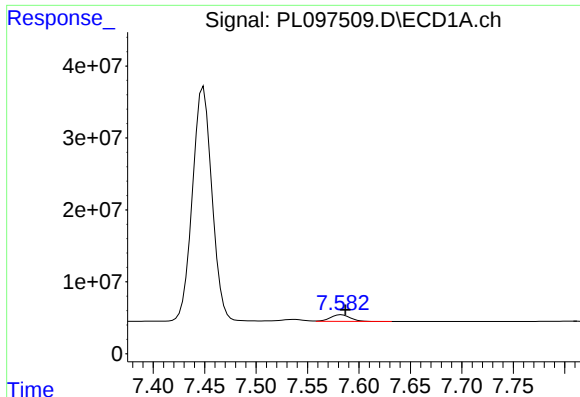
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.003 min
Response: 430239344
Conc: 206.31 ng/ml



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: -0.003 min
Response: 659918177
Conc: 175.07 ng/ml



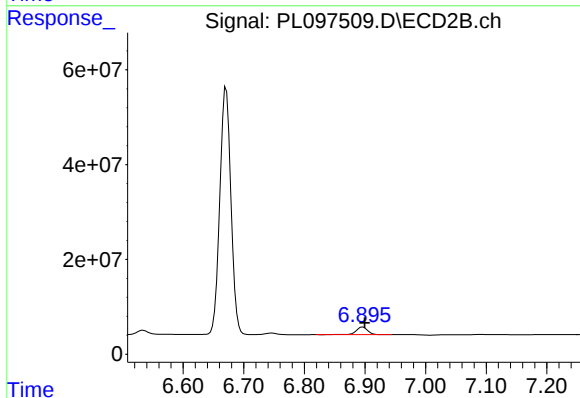
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: -0.004 min
Response: 12367560
Conc: 2.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

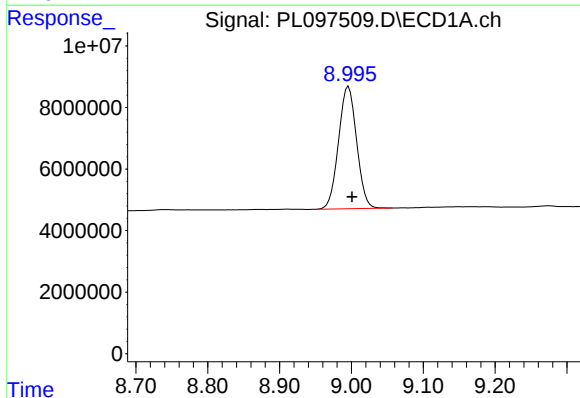
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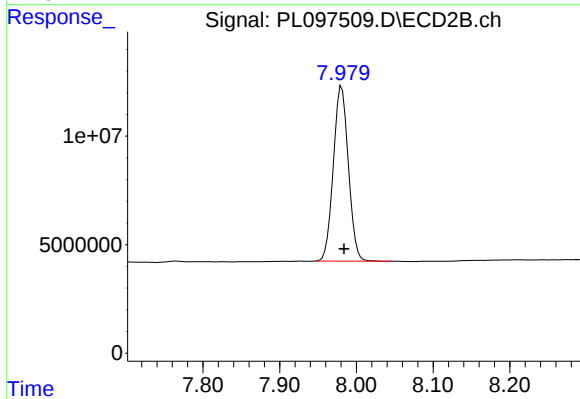
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.003 min
Response: 21273980
Conc: 2.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.996 min
Delta R.T.: -0.005 min
Response: 69295411
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 109625019
Conc: 19.26 ng/ml