

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100225\
 Data File : PL097494.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Oct 2025 09:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 04:58:45 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...	3.525	2.823	82455173	108.9E6	18.213	16.555
28)	SA Decachlor...	8.994	7.979	65614193	102.1E6	20.052	17.935
Target Compounds							
2)	A alpha-BHC	3.972	3.327	58375904	76222920	8.354	7.655
3)	MA gamma-BHC...	4.299	3.659	56865885	72186243	8.599	7.750
6)	B beta-BHC	4.487	3.955	24970643	33893038	9.160	8.344
12)	B 4,4'-DDE	6.152	5.291	2267622	1341852	0.476m	0.175m#
14)	MA Endrin	6.528	5.699	202.9E6	309.4E6	43.985	41.199
16)	A 4,4'-DDD	6.661	5.845	25134056	30505033	6.666	4.730 #
17)	MA 4,4'-DDT	6.975	6.098	336.6E6	506.2E6	79.622	73.141
18)	B Endrin al...	6.870	6.169	2925226	4793125	0.949m	0.898m
20)	A Methoxychlor	7.448	6.668	417.8E6	620.1E6	200.337	164.508m
21)	B Endrin ke...	7.582	6.895	14842179	16887305	3.497	2.243 #

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

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2025 09:40
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

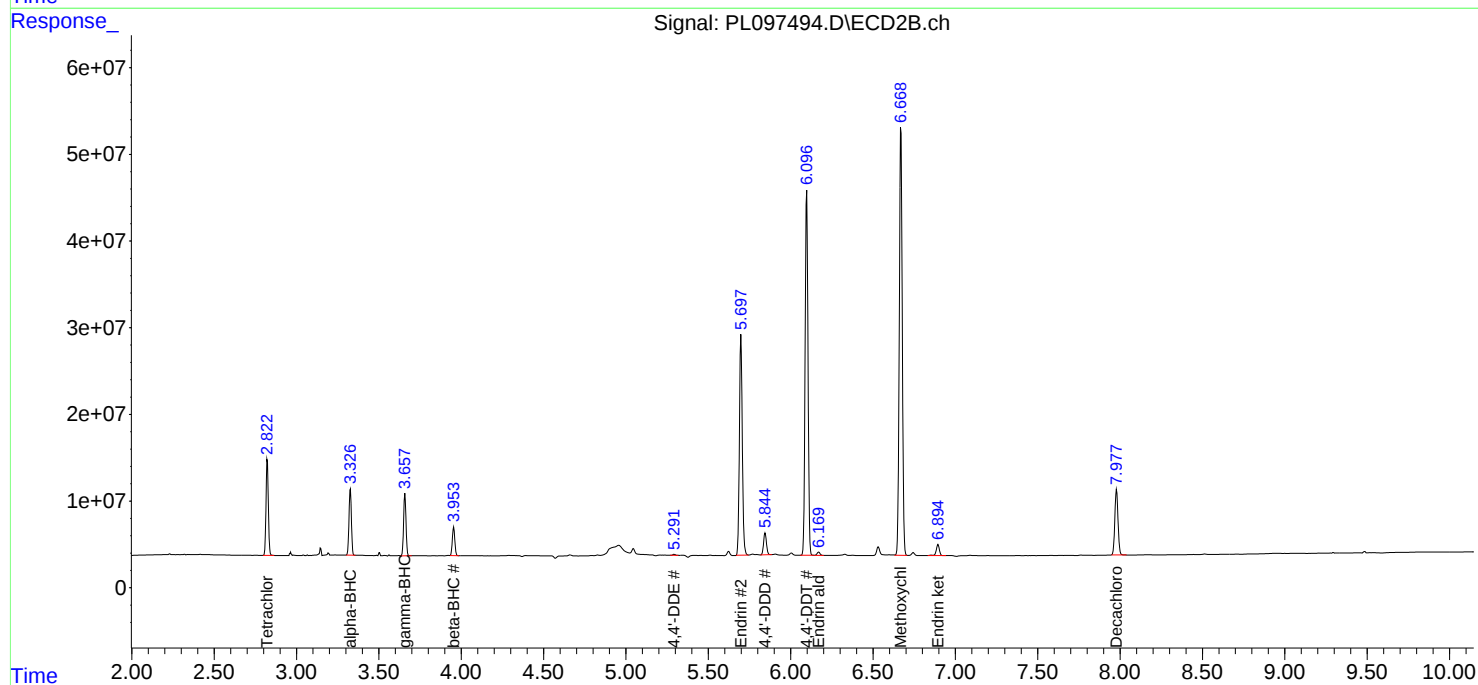
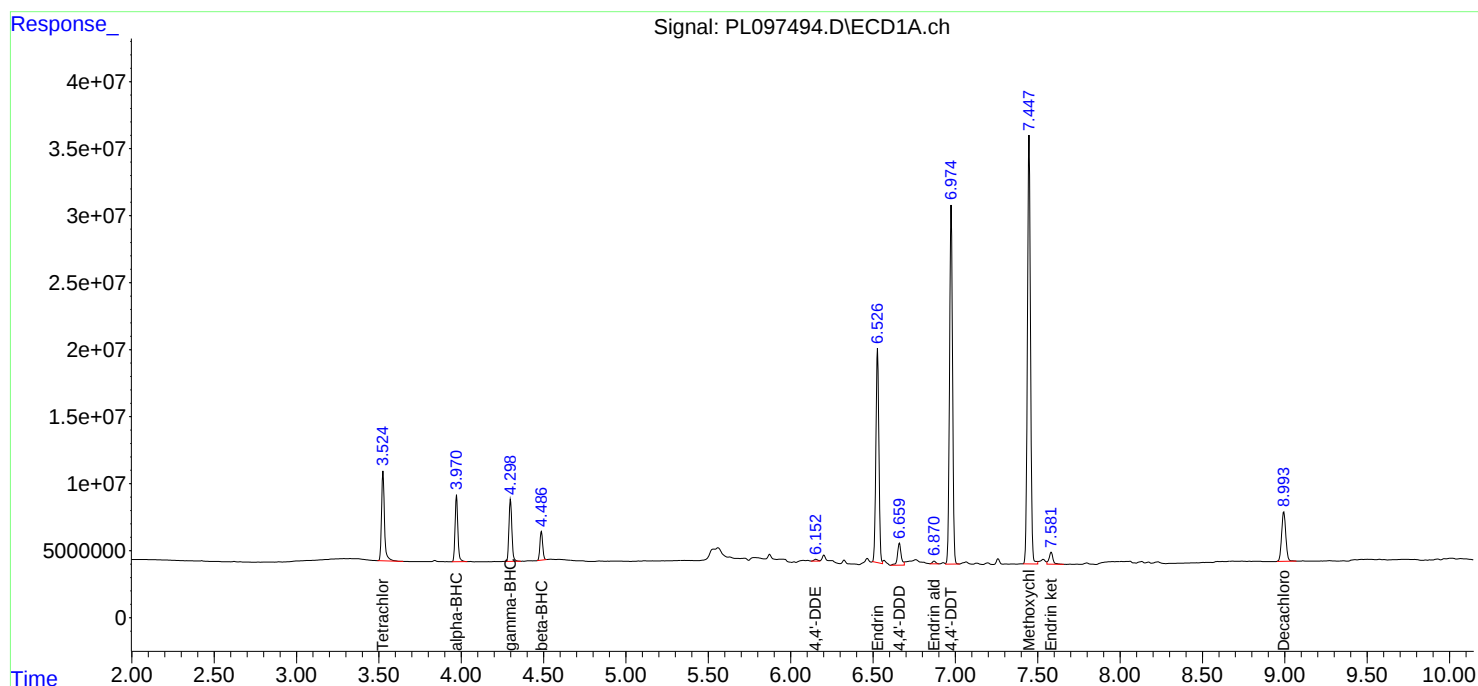
Instrument :
ECD_L
ClientSampleId :
PEM

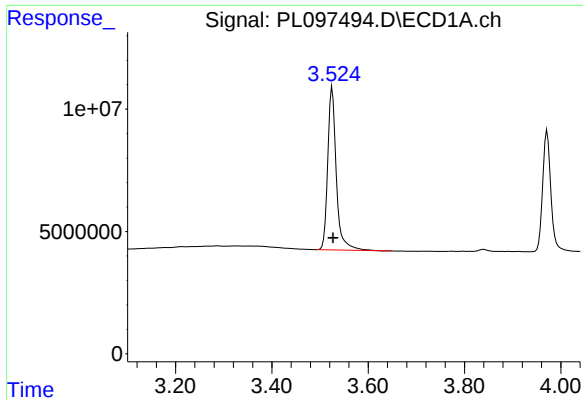
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
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Volume 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





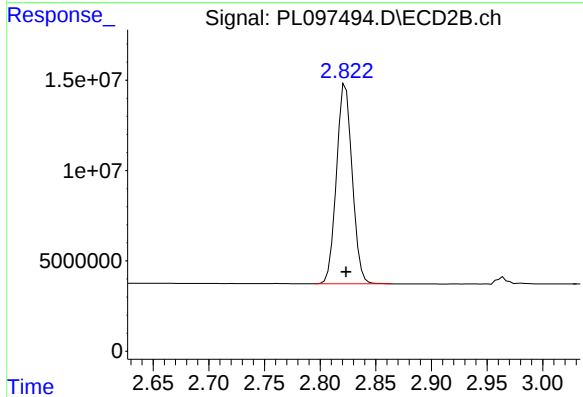
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 82455173
Conc: 18.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

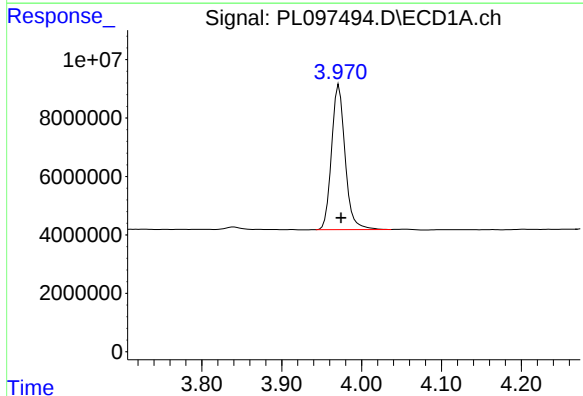
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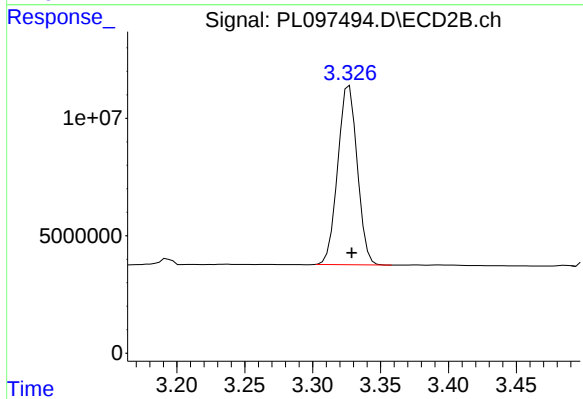
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 108856904
Conc: 16.55 ng/ml



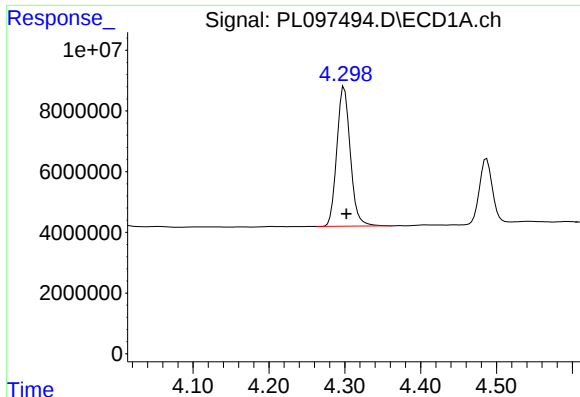
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: -0.002 min
Response: 58375904
Conc: 8.35 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.002 min
Response: 76222920
Conc: 7.65 ng/ml



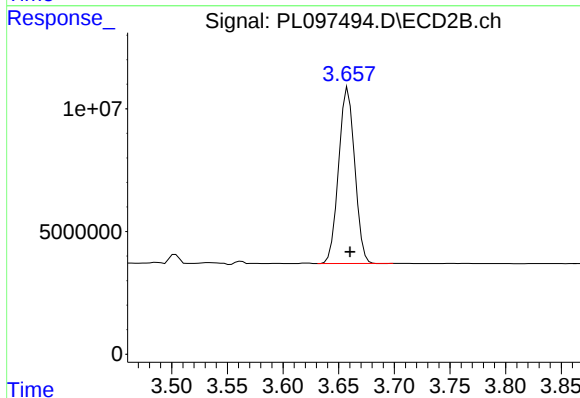
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: -0.003 min
Response: 56865885
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

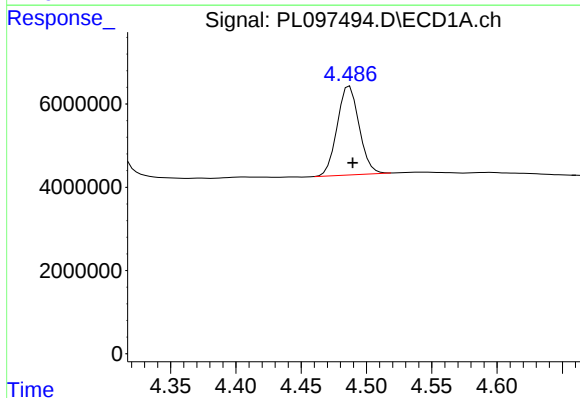
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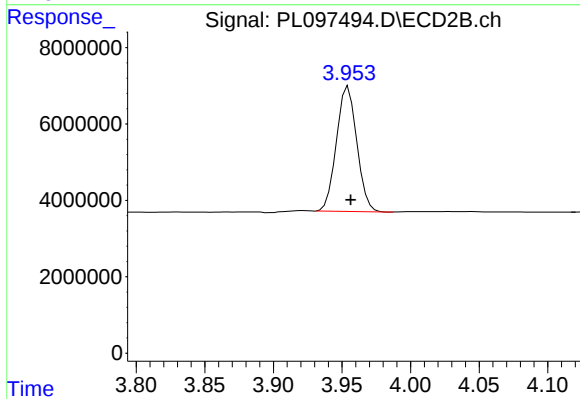
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.002 min
Response: 72186243
Conc: 7.75 ng/ml



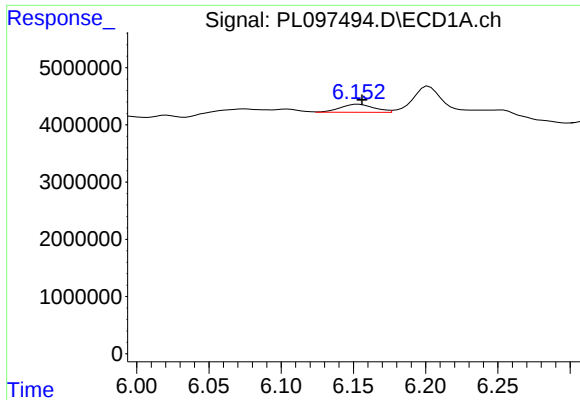
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 24970643
Conc: 9.16 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.002 min
Response: 33893038
Conc: 8.34 ng/ml



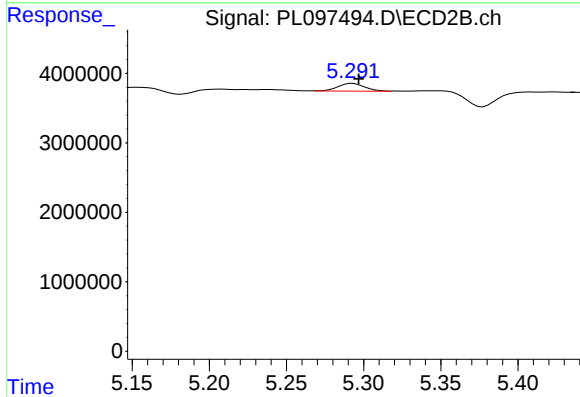
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: -0.004 min
Response: 2267622
Conc: 0.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#12 4,4'-DDE

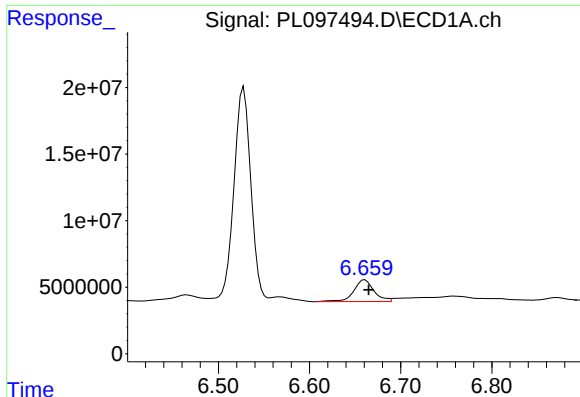
R.T.: 5.291 min
Delta R.T.: -0.005 min
Response: 1341852
Conc: 0.17 ng/ml m

#14 Endrin

R.T.: 6.528 min
Delta R.T.: -0.004 min
Response: 202909506
Conc: 43.99 ng/ml

#14 Endrin

R.T.: 5.699 min
Delta R.T.: -0.004 min
Response: 309422831
Conc: 41.20 ng/ml



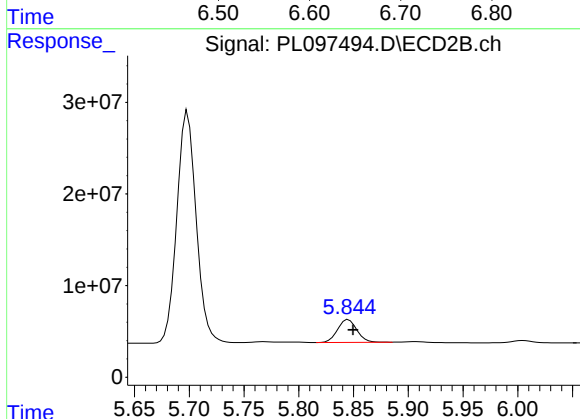
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 25134056
Conc: 6.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

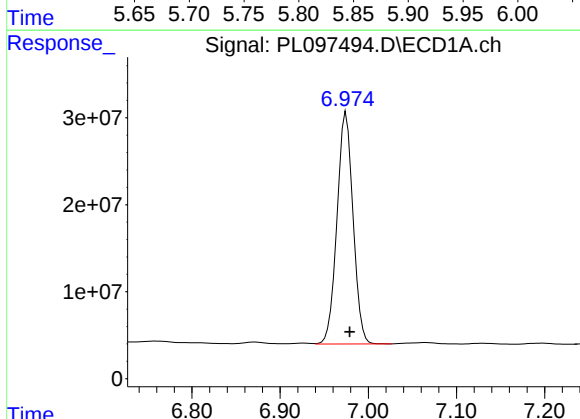
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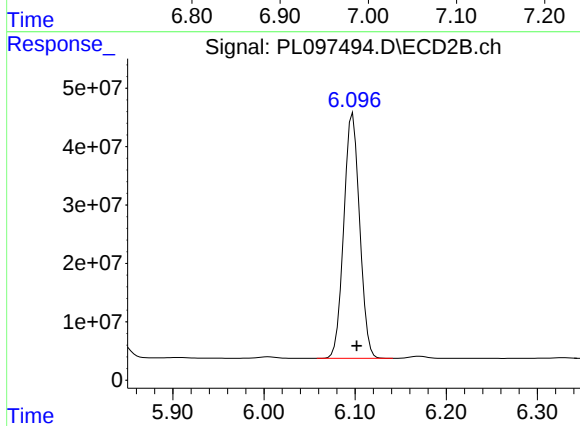
#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: -0.004 min
Response: 30505033
Conc: 4.73 ng/ml



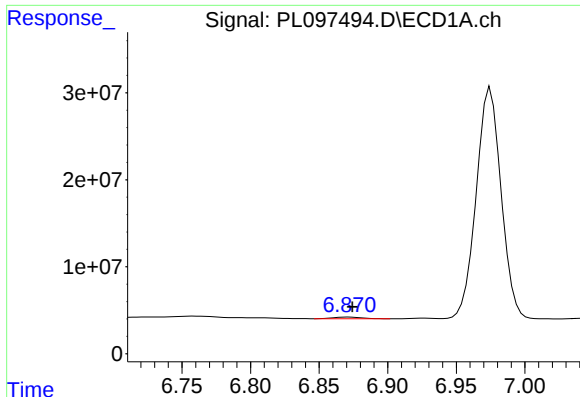
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 336576106
Conc: 79.62 ng/ml



#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: -0.004 min
Response: 506173052
Conc: 73.14 ng/ml



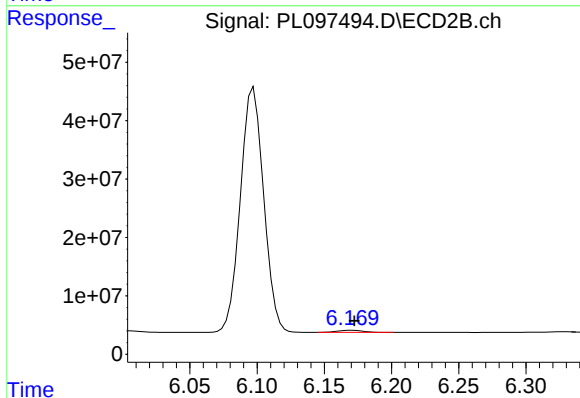
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: -0.004 min
Response: 2925226
Conc: 0.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

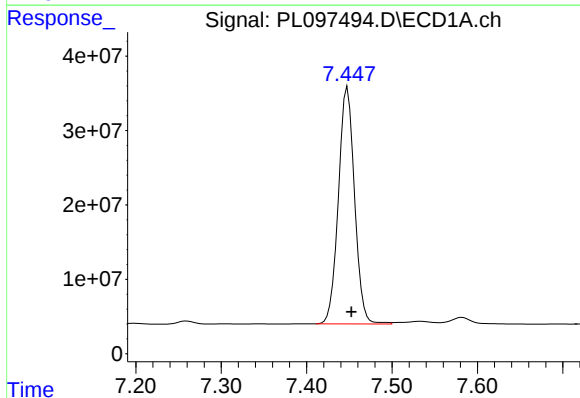
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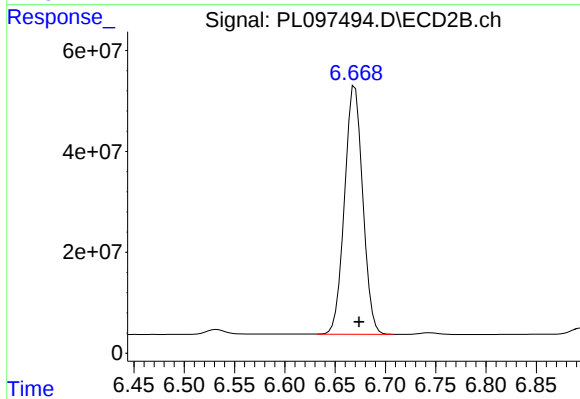
#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: -0.003 min
Response: 4793125
Conc: 0.90 ng/ml m



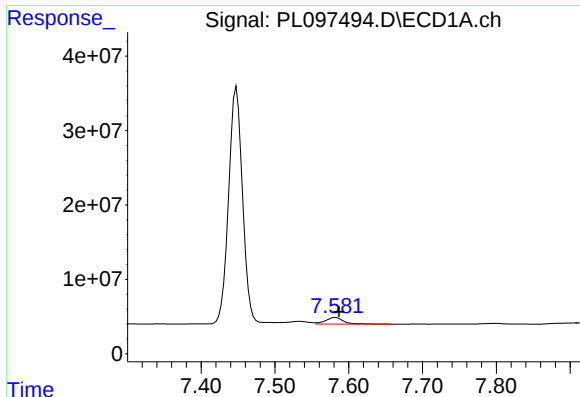
#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: -0.004 min
Response: 417777441
Conc: 200.34 ng/ml



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.006 min
Response: 620108668
Conc: 164.51 ng/ml m



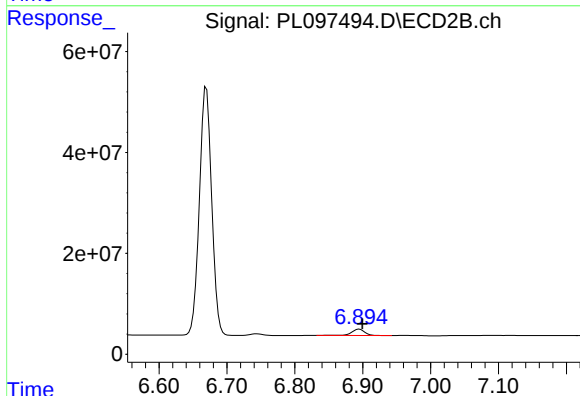
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: -0.005 min
Response: 14842179
Conc: 3.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

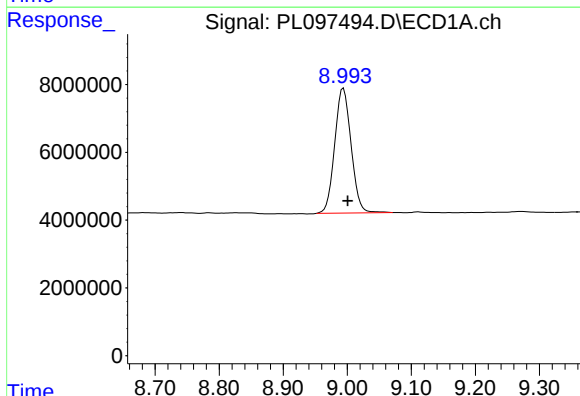
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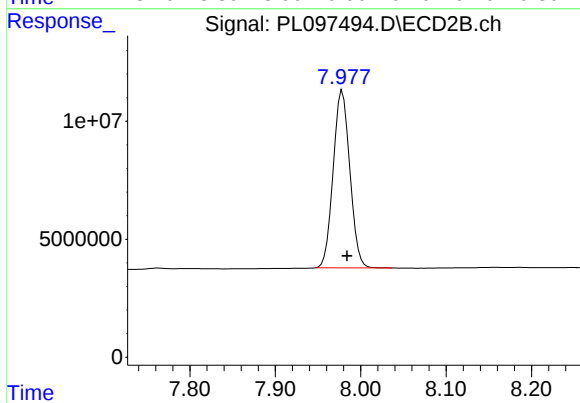
#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.005 min
Response: 16887305
Conc: 2.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.007 min
Response: 65614193
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: -0.005 min
Response: 102078592
Conc: 17.94 ng/ml