

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 09:42
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:34:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.885	74521020	88129047	23.618	22.517
28) SA Decachlor...	9.098	8.059	53564425	94943558	22.732	21.704
Target Compounds						
2) A alpha-BHC	4.024	3.394	54521486	63235251	11.246	10.796
3) MA gamma-BHC...	4.355	3.728	51575809	61003492	11.533	10.891
6) B beta-BHC	4.542	4.024	23334848	28321395	11.837	11.431
14) MA Endrin	6.600	5.778	173.2E6	262.0E6	53.674	53.728m
16) A 4,4'-DDD	6.730	5.923	9789523	14757683	3.340m	3.366
17) MA 4,4'-DDT	7.047	6.176	279.0E6	513.8E6	103.121	107.426
18) B Endrin al...	6.940	6.248	1770036	3784186	0.732m	1.096m#
20) A Methoxychlor	7.520	6.746	319.9E6	589.2E6	250.821	225.225
21) B Endrin ke...	7.657	6.976	5996978	10719898	1.894	2.072

(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 : 03 Jun 2025 09:42
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

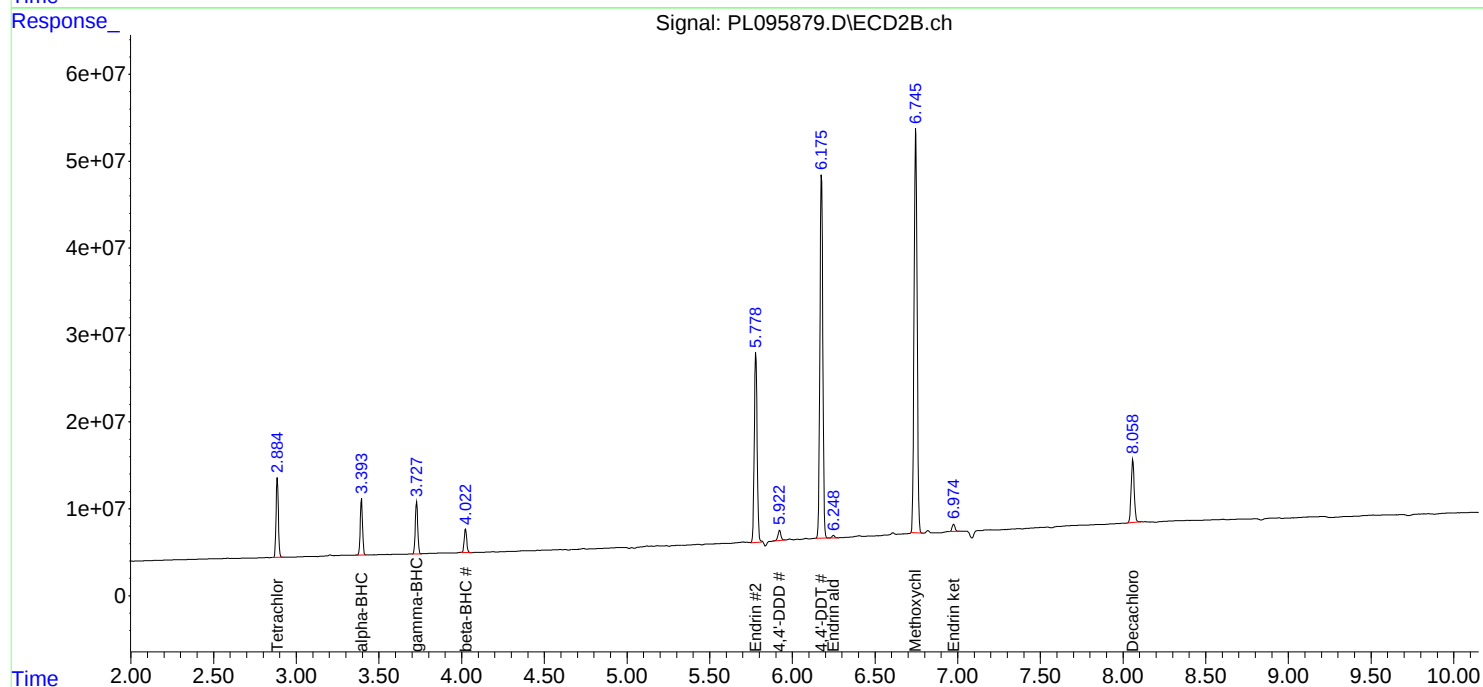
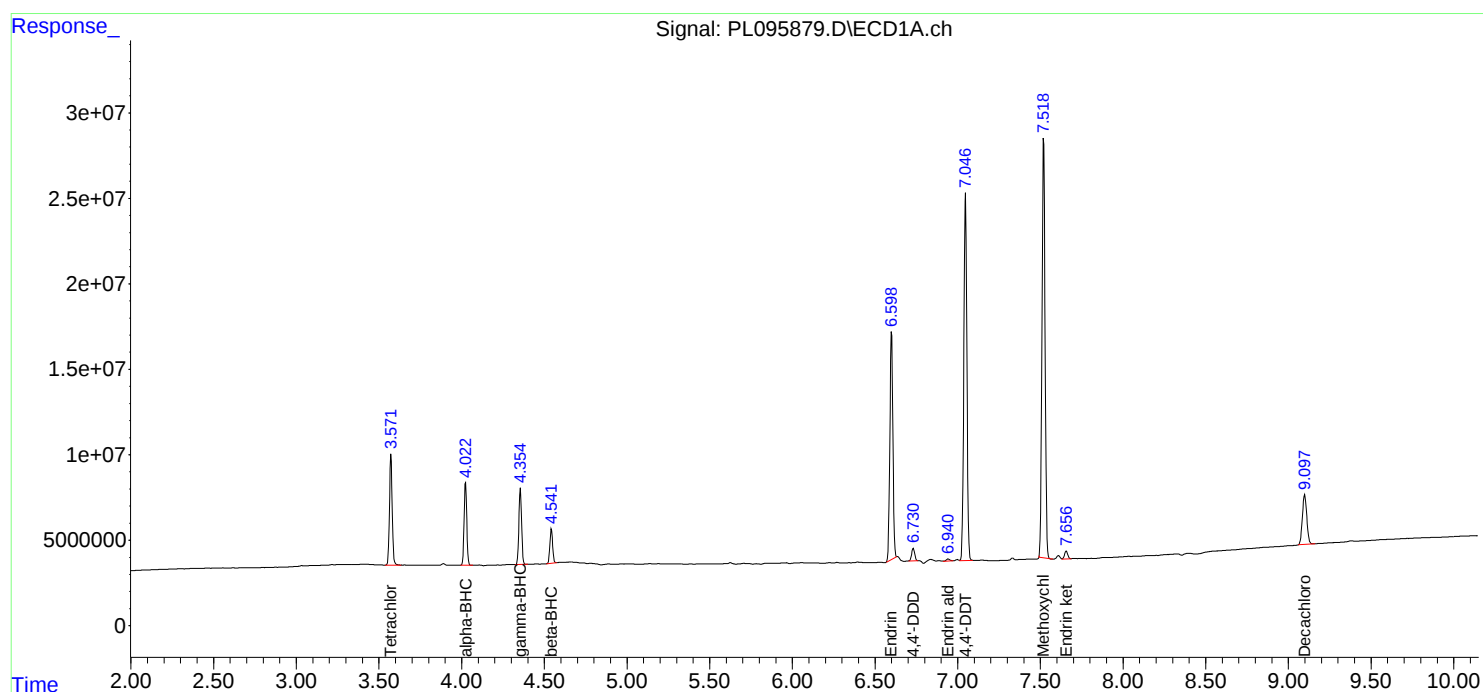
Instrument :
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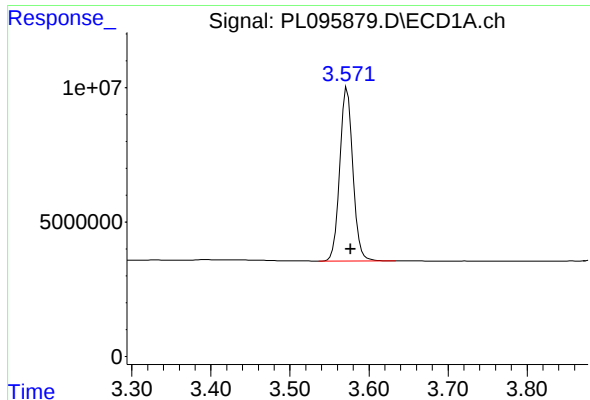
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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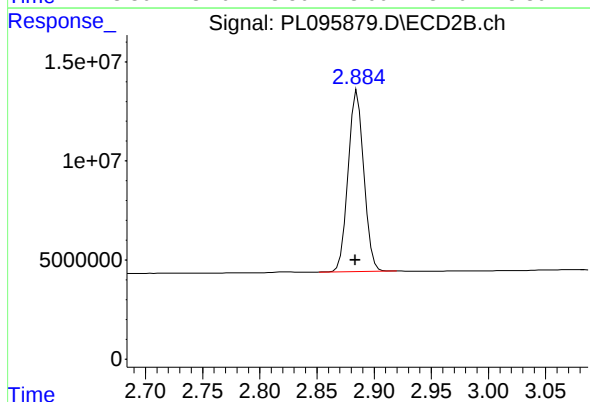
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 74521020
Conc: 23.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

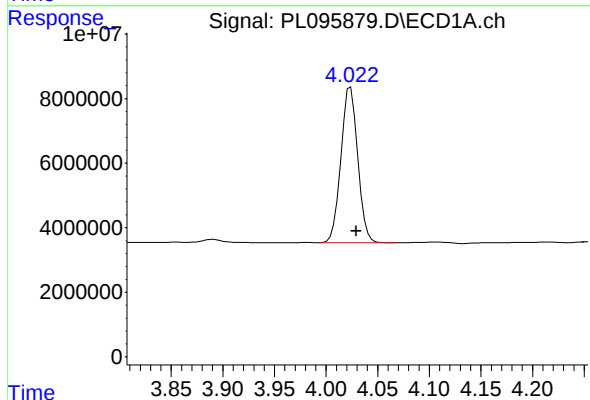
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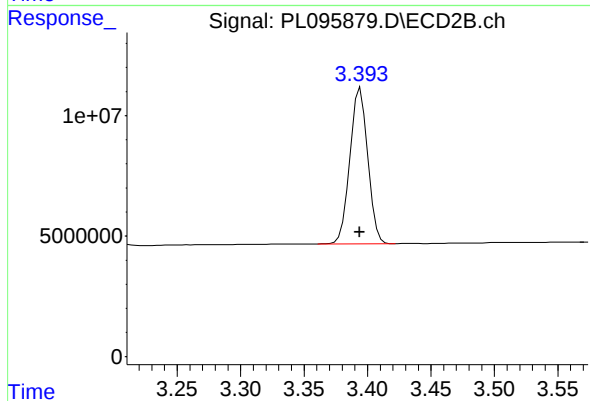
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 88129047
Conc: 22.52 ng/ml



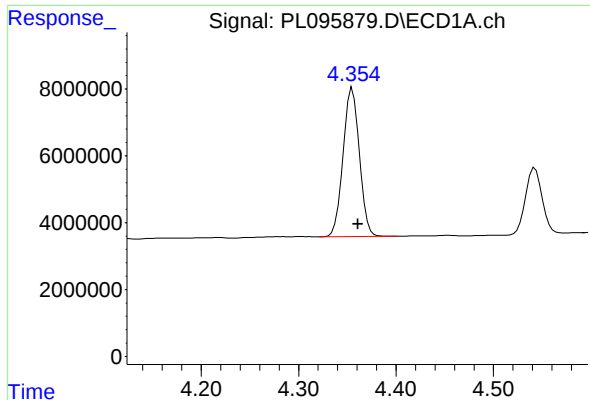
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 54521486
Conc: 11.25 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 63235251
Conc: 10.80 ng/ml



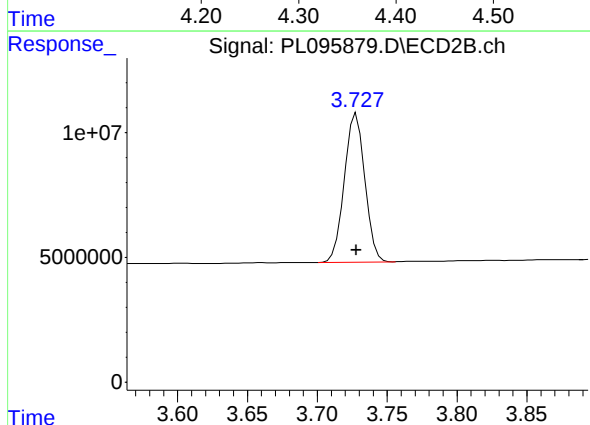
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 51575809
Conc: 11.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

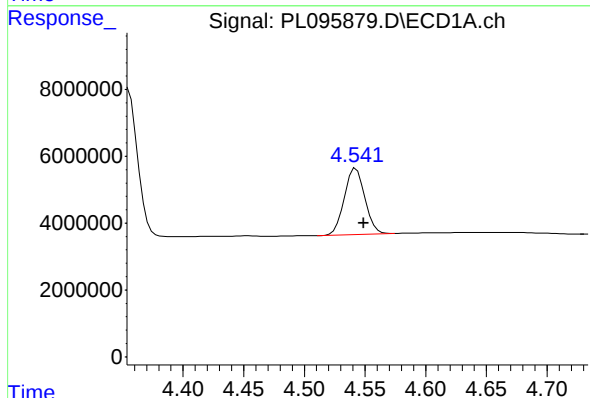
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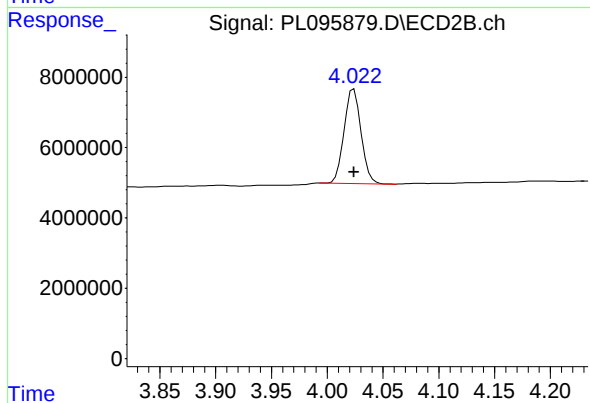
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 61003492
Conc: 10.89 ng/ml



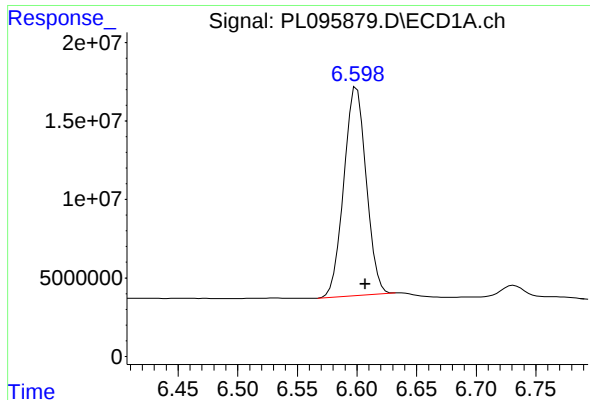
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.006 min
Response: 23334848
Conc: 11.84 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 28321395
Conc: 11.43 ng/ml



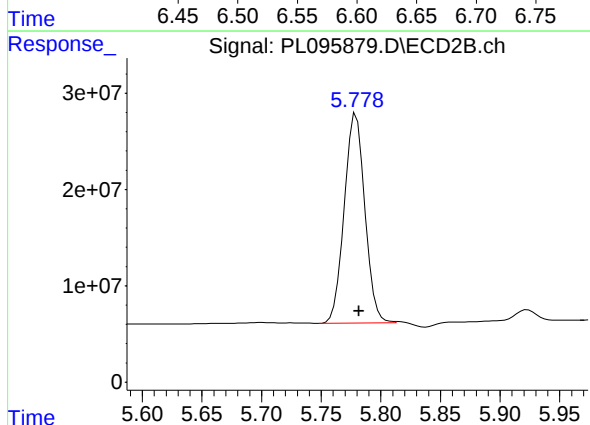
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 173191892
Conc: 53.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

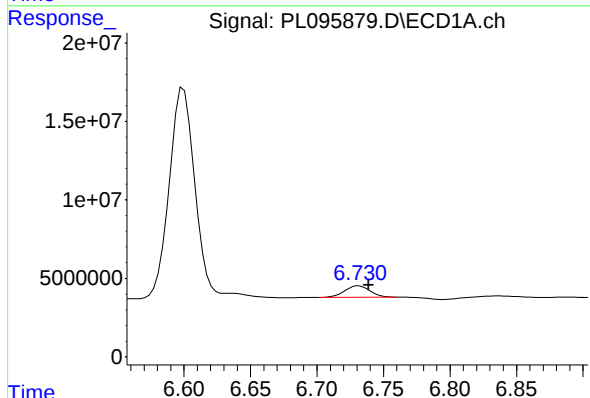
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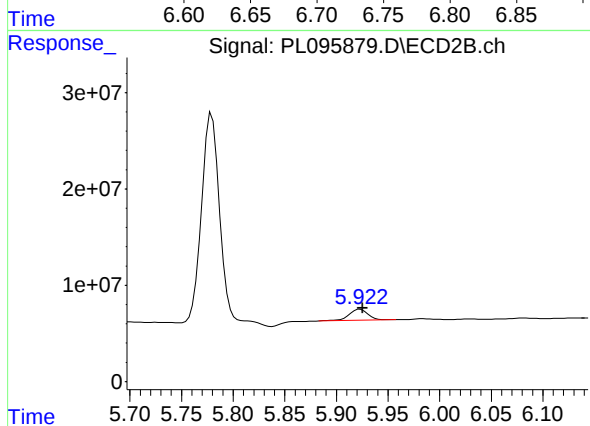
#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 261983153
Conc: 53.73 ng/ml m



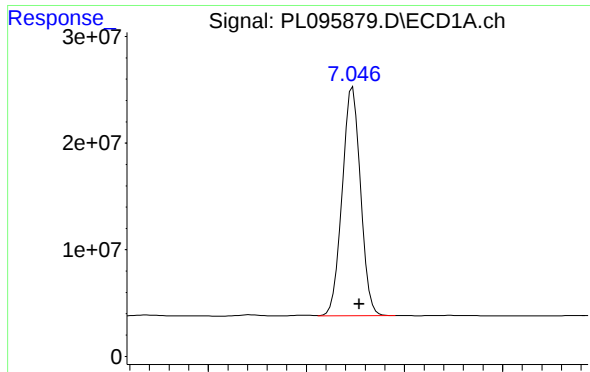
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.008 min
Response: 9789523
Conc: 3.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 14757683
Conc: 3.37 ng/ml



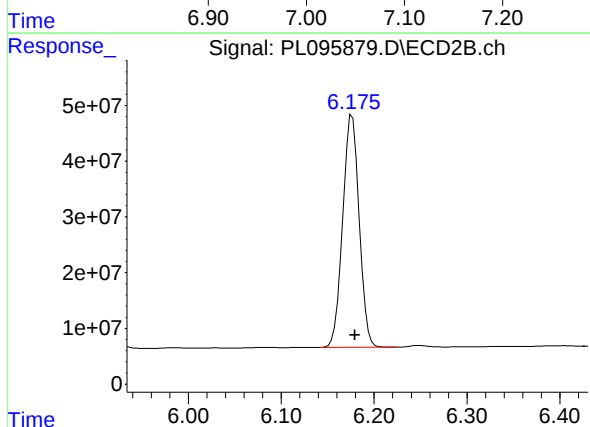
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 278955780
Conc: 103.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

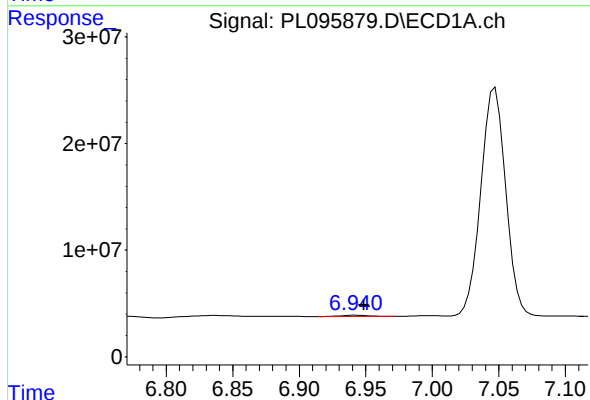
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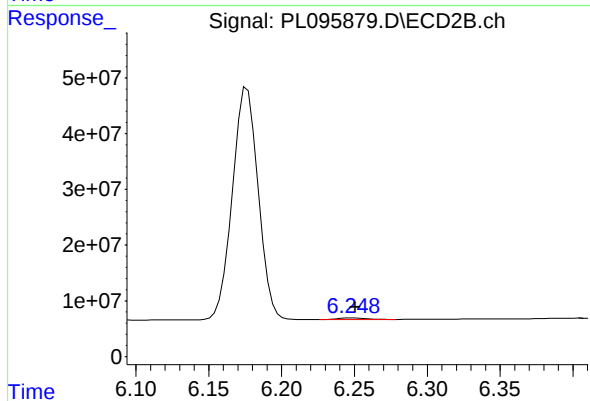
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 513776880
Conc: 107.43 ng/ml



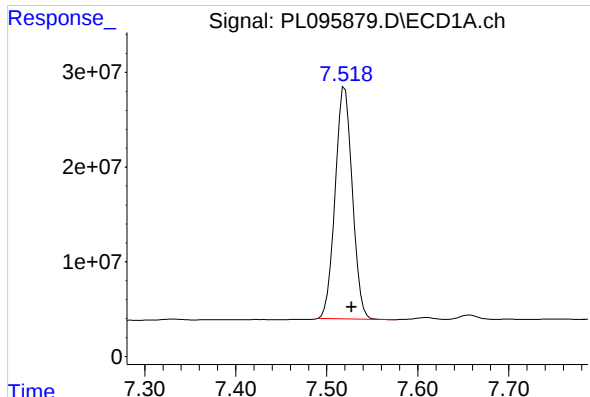
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.008 min
Response: 1770036
Conc: 0.73 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 3784186
Conc: 1.10 ng/ml m



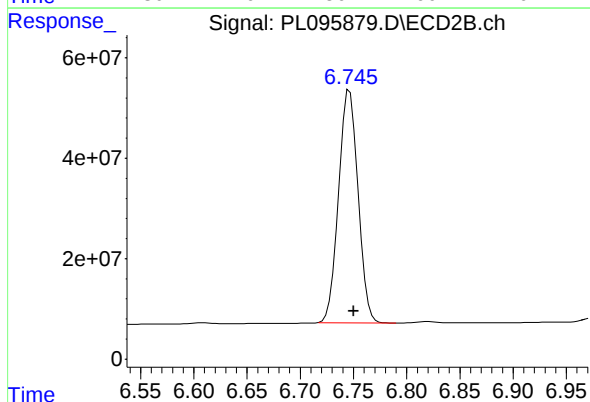
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 319878841
Conc: 250.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

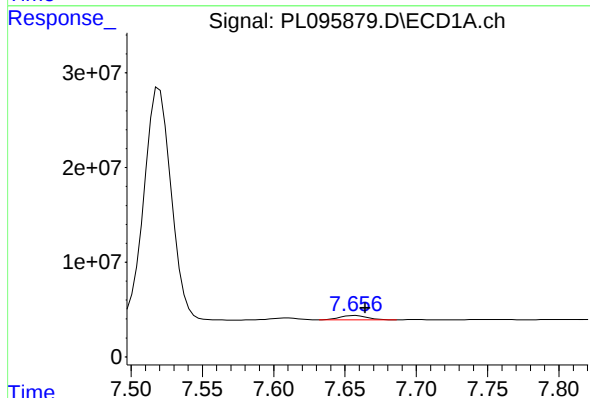
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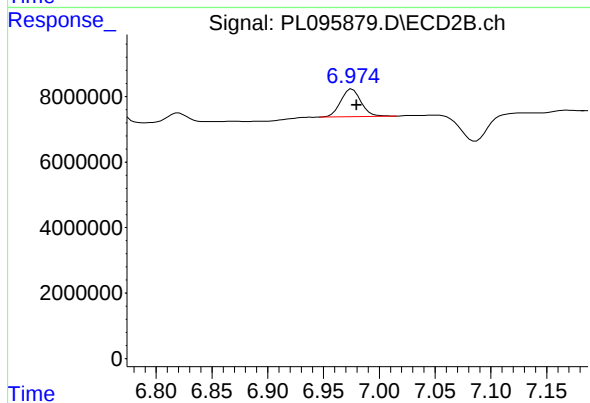
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 589211915
Conc: 225.22 ng/ml



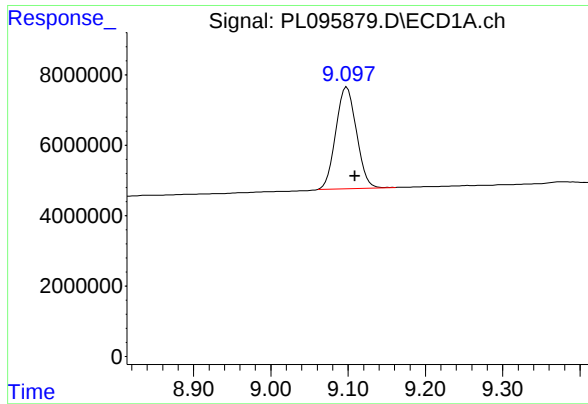
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 5996978
Conc: 1.89 ng/ml



#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 10719898
Conc: 2.07 ng/ml



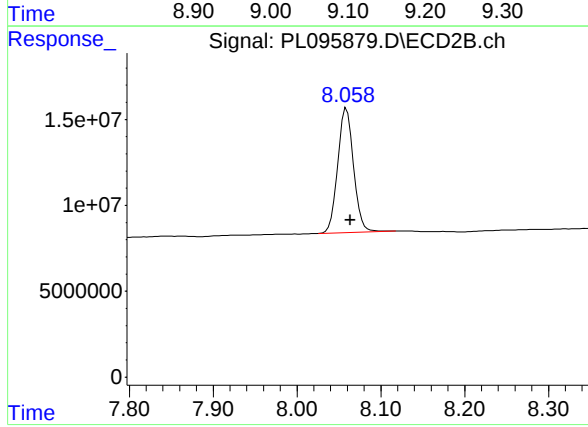
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 53564425
Conc: 22.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 94943558
Conc: 21.70 ng/ml