

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095906.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:05
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 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 03:40:18 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	69185142	87433695	21.927	22.339
28) SA Decachlor...	9.097	8.059	48338812	90713539	20.514	20.737
Target Compounds						
2) A alpha-BHC	4.023	3.395	50922380	62632095	10.504	10.693
3) MA gamma-BHC...	4.355	3.728	48219947	60136092	10.783	10.736
6) B beta-BHC	4.542	4.023	21514879	27819732	10.914	11.229
12) B 4,4'-DDE	6.219	5.376	395494	816620	0.108m	0.152m#
14) MA Endrin	6.599	5.778	151.7E6	245.3E6	47.028	50.297m
16) A 4,4'-DDD	6.730	5.923	16951869	25129231	5.784m	5.731
17) MA 4,4'-DDT	7.047	6.176	240.6E6	461.5E6	88.932	96.488
18) B Endrin al...	6.940	6.248	2950872	5590456	1.221m	1.618 #
20) A Methoxychlor	7.520	6.746	277.9E6	545.8E6	217.934	208.623
21) B Endrin ke...	7.656	6.975	9663771	17712351	3.051	3.423

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

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Data File : PL095906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

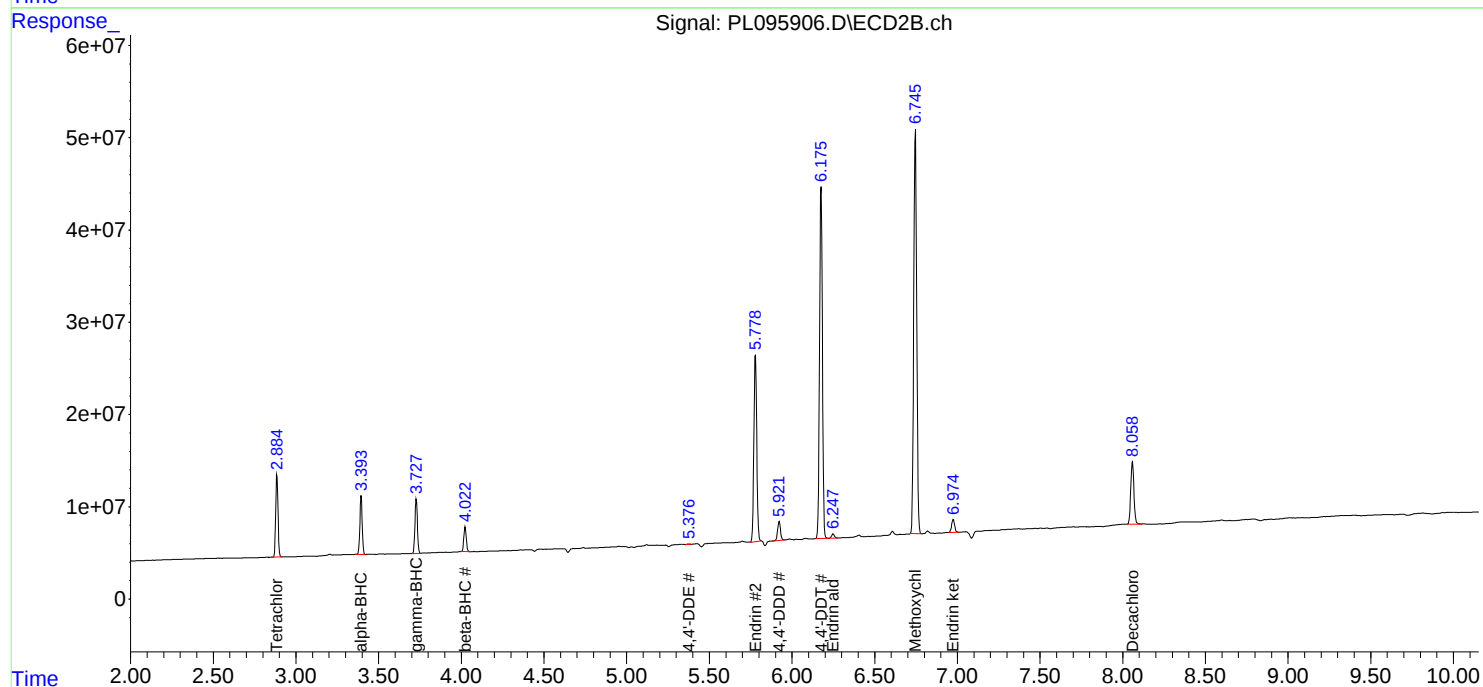
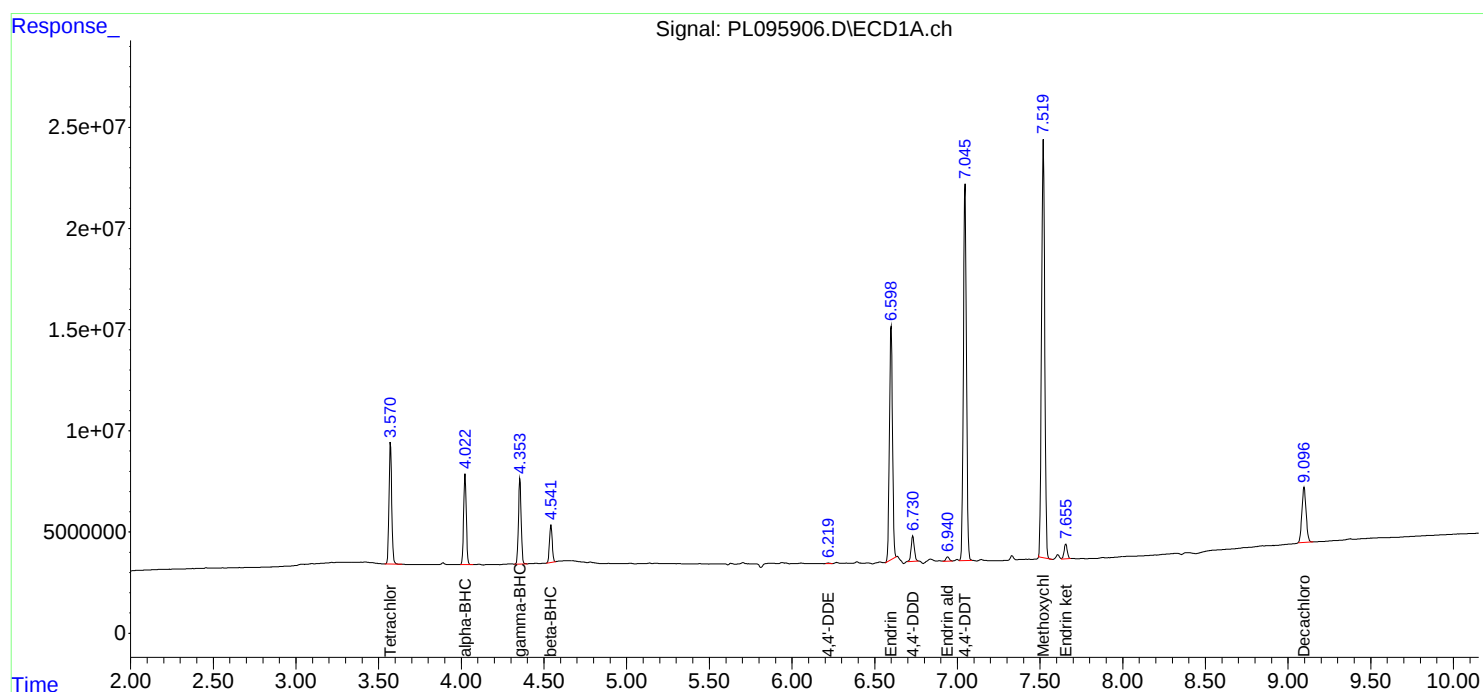
Instrument :
ECD_L
ClientSampleId :
PEM

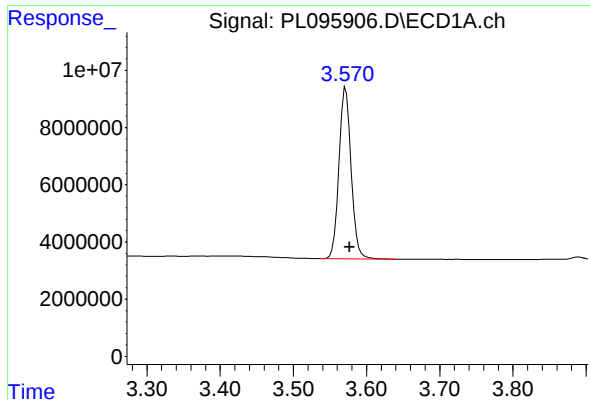
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response 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





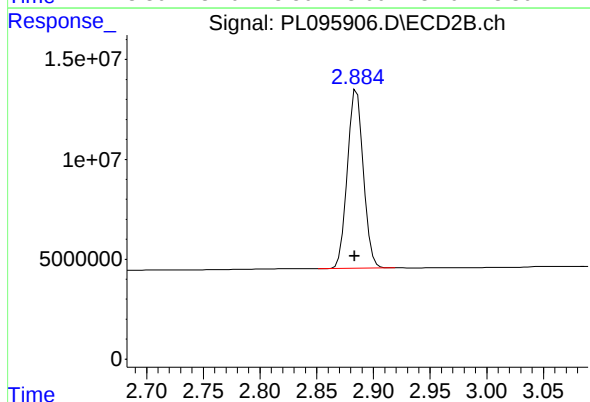
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 69185142
Conc: 21.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

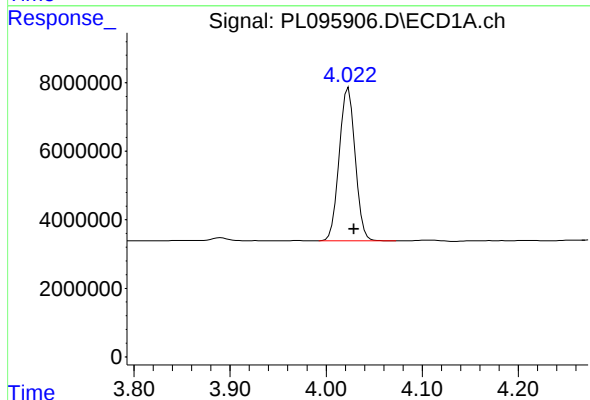
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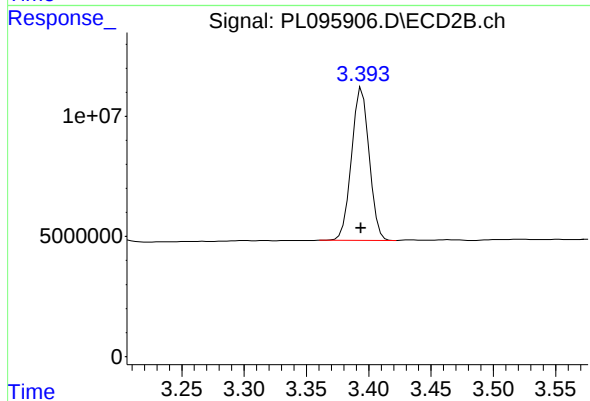
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 87433695
Conc: 22.34 ng/ml



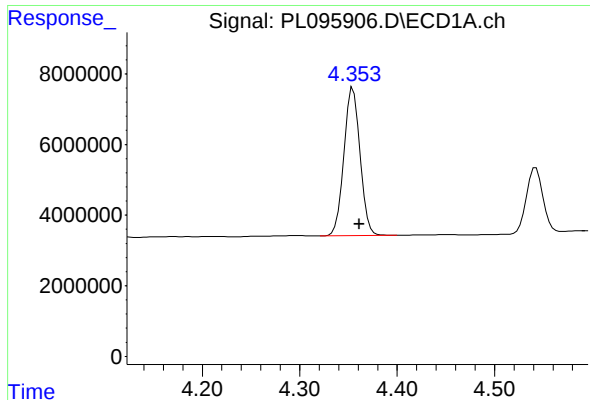
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 50922380
Conc: 10.50 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 62632095
Conc: 10.69 ng/ml



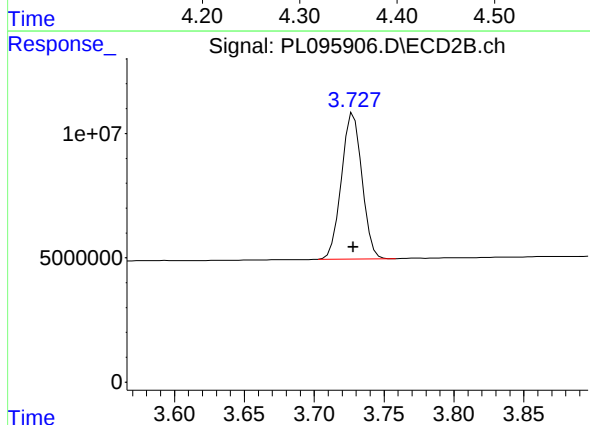
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 48219947
Conc: 10.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

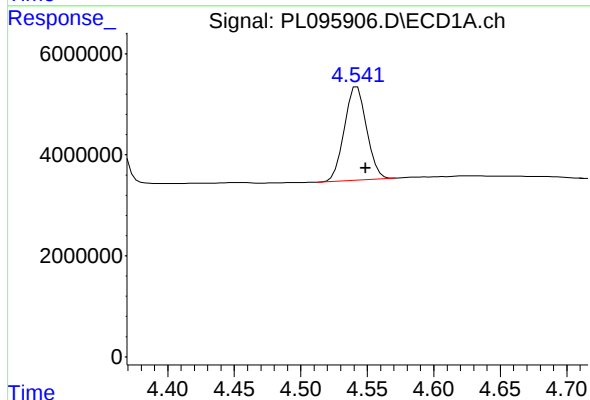
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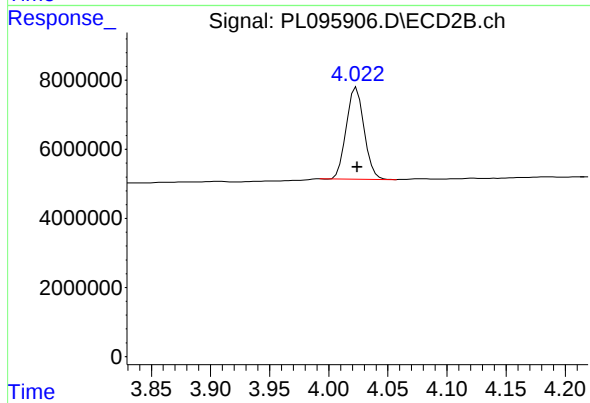
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 60136092
Conc: 10.74 ng/ml



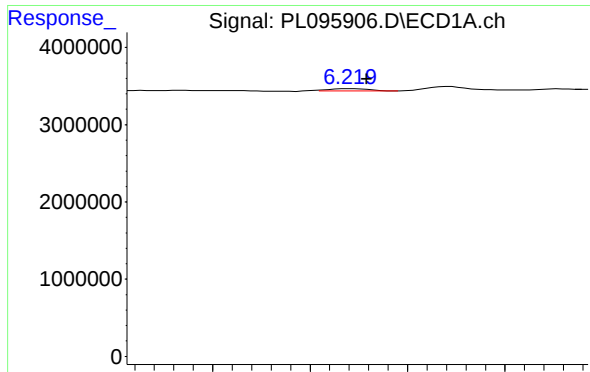
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.006 min
Response: 21514879
Conc: 10.91 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 27819732
Conc: 11.23 ng/ml



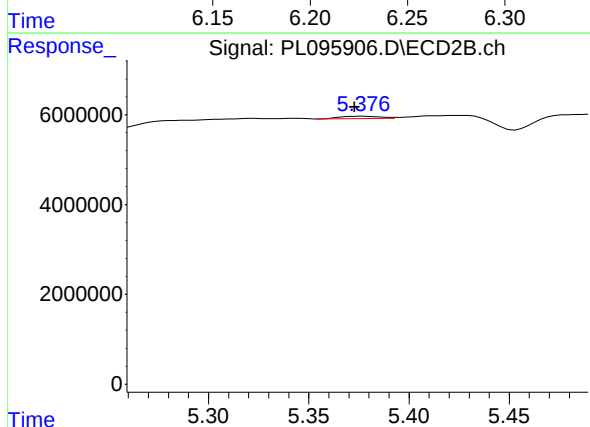
#12 4,4'-DDE

R.T.: 6.219 min
Delta R.T.: -0.010 min
Response: 395494
Conc: 0.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

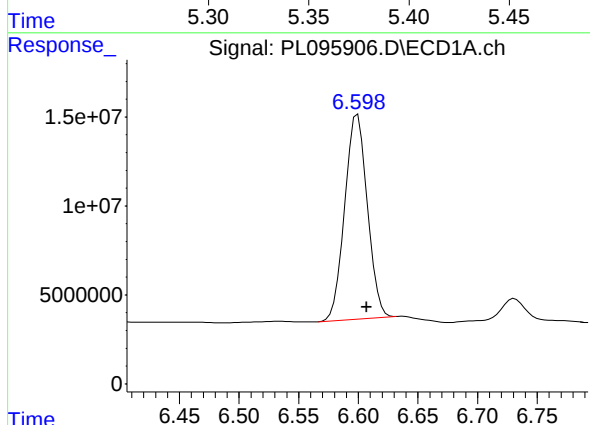
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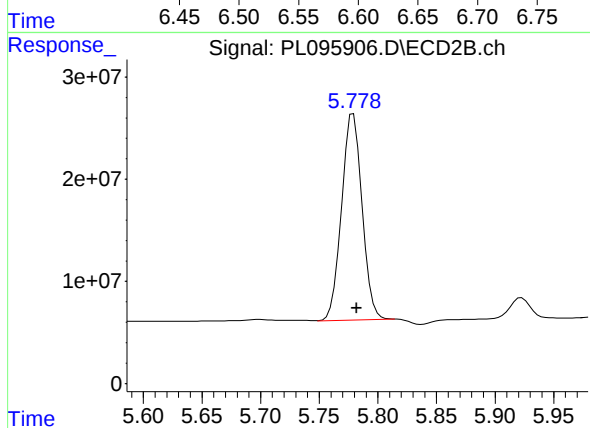
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.003 min
Response: 816620
Conc: 0.15 ng/ml m



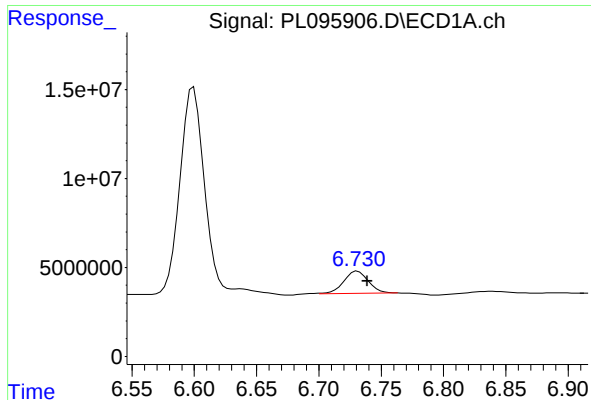
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 151747549
Conc: 47.03 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 245251478
Conc: 50.30 ng/ml m



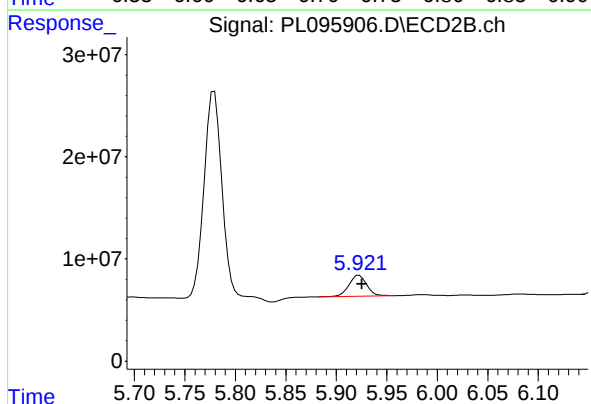
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.009 min
Response: 16951869
Conc: 5.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

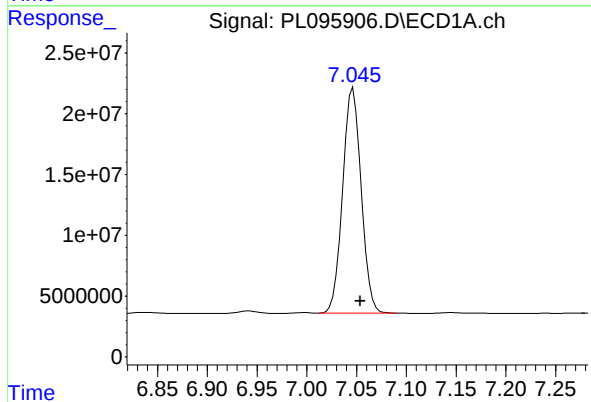
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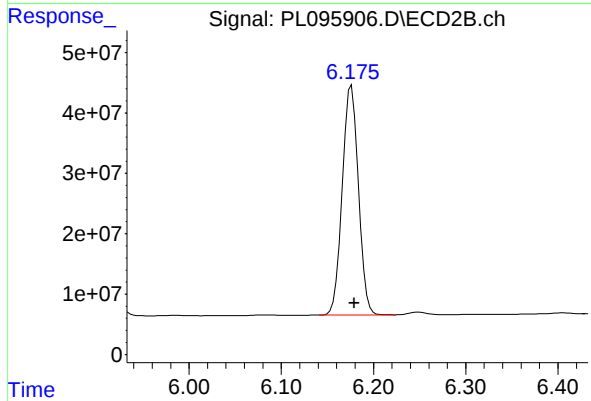
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 25129231
Conc: 5.73 ng/ml



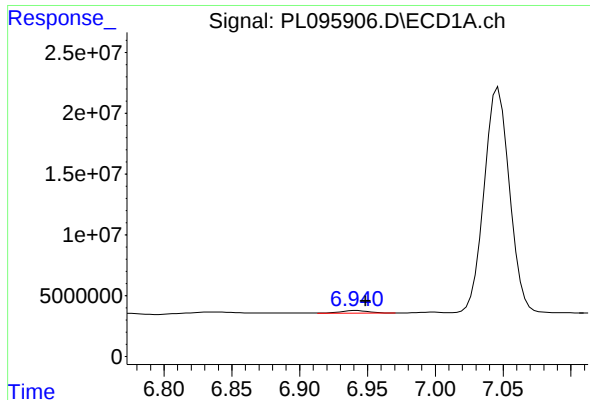
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 240573918
Conc: 88.93 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 461461904
Conc: 96.49 ng/ml



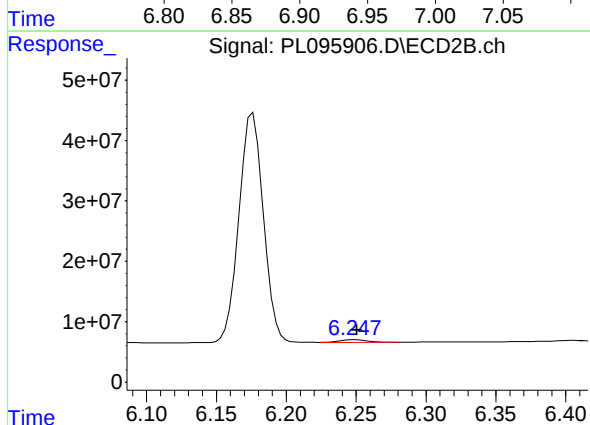
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.009 min
Response: 2950872
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

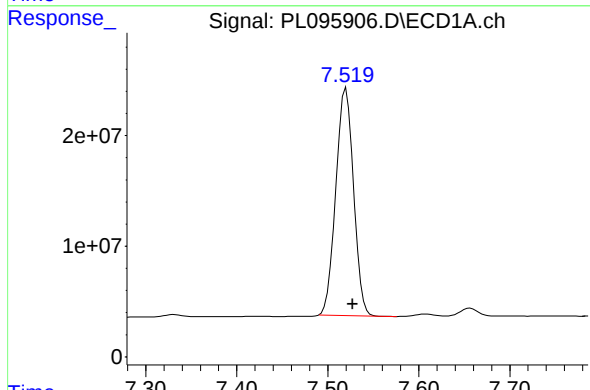
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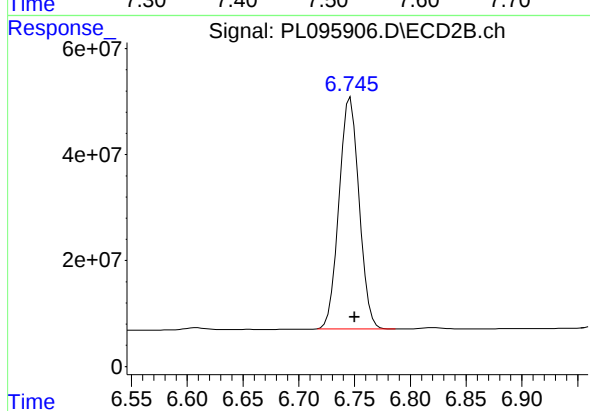
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 5590456
Conc: 1.62 ng/ml



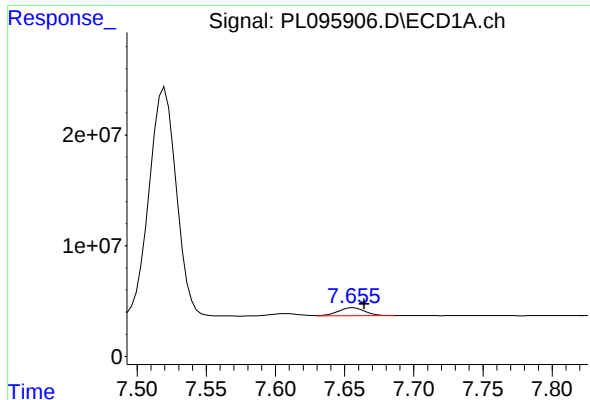
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.007 min
Response: 277936841
Conc: 217.93 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 545779968
Conc: 208.62 ng/ml



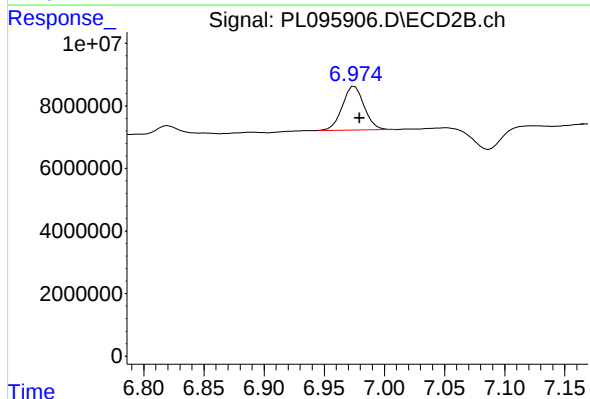
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 9663771
Conc: 3.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

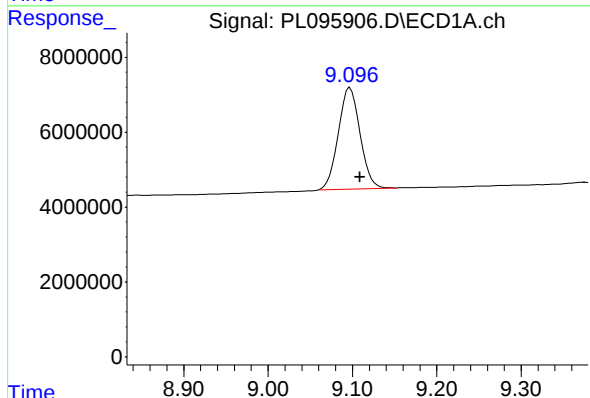
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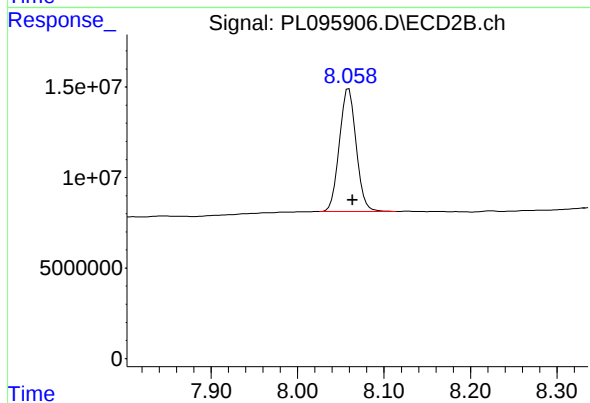
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 17712351
Conc: 3.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 48338812
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 90713539
Conc: 20.74 ng/ml