

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095148.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 19:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/10/2025
 Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:25:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.534	2.768	60083928	82936227	21.226	23.236
28) SA Decachlor...	9.047	7.898	47024808	77743211	22.314	19.246
Target Compounds						
2) A alpha-BHC	3.990	3.269	45237159	58815373	10.894	10.909
3) MA gamma-BHC...	4.322	3.598	43575408	55677171	10.920	10.833
6) B beta-BHC	4.522	3.899	20165786	26918374	10.929	12.118
12) B 4,4'-DDE	6.181	5.217	869059	566924	0.295m	0.122m#
14) MA Endrin	6.568	5.626	116.3E6	205.0E6	41.964m	46.977
16) A 4,4'-DDD	6.704	5.774	11787360	16987875	5.442	4.724
17) MA 4,4'-DDT	7.019	6.024	205.6E6	380.5E6	86.460	94.370
18) B Endrin al...	6.917	6.100	4741196	8142152	2.246m	2.419
20) A Methoxychlor	7.496	6.599	265.3E6	469.1E6	221.617	221.180
21) B Endrin ke...	7.638	6.826	10840823	19599228	4.101	4.107m

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

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Acq On : 09 Apr 2025 19:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

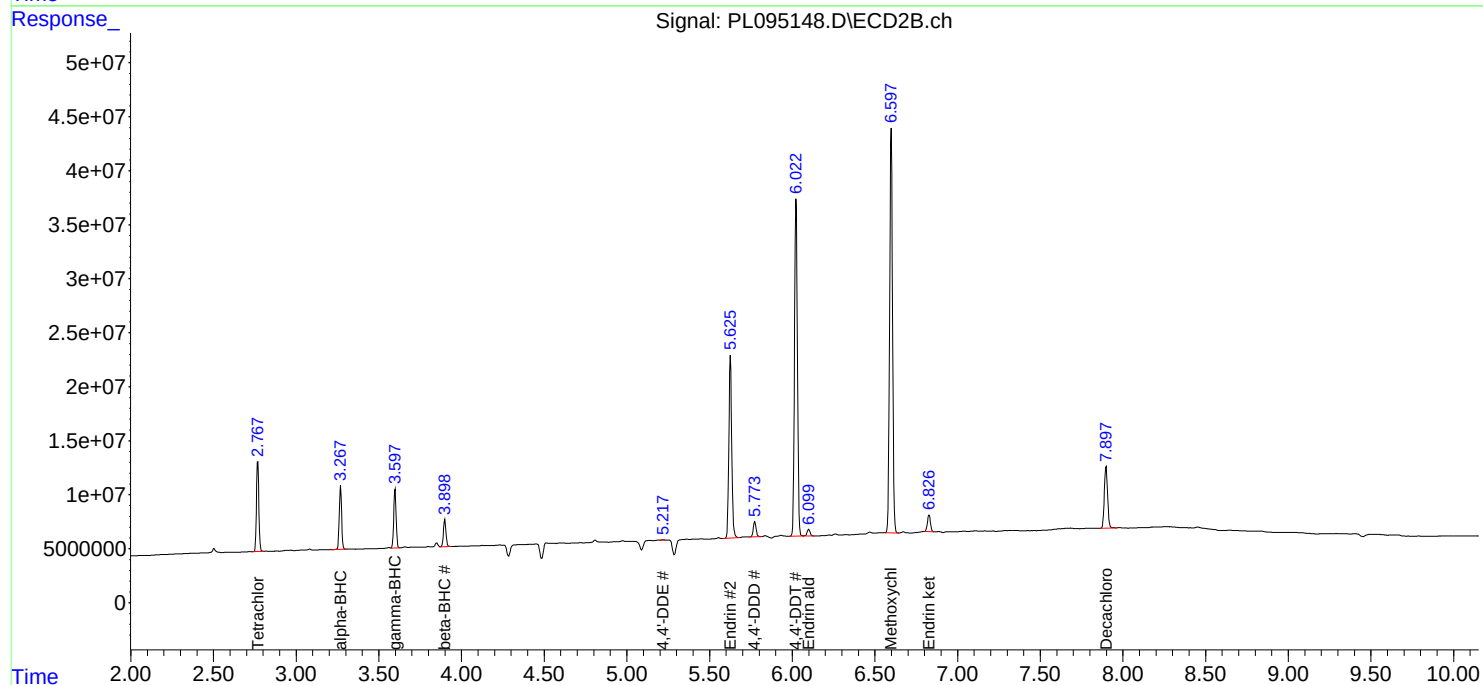
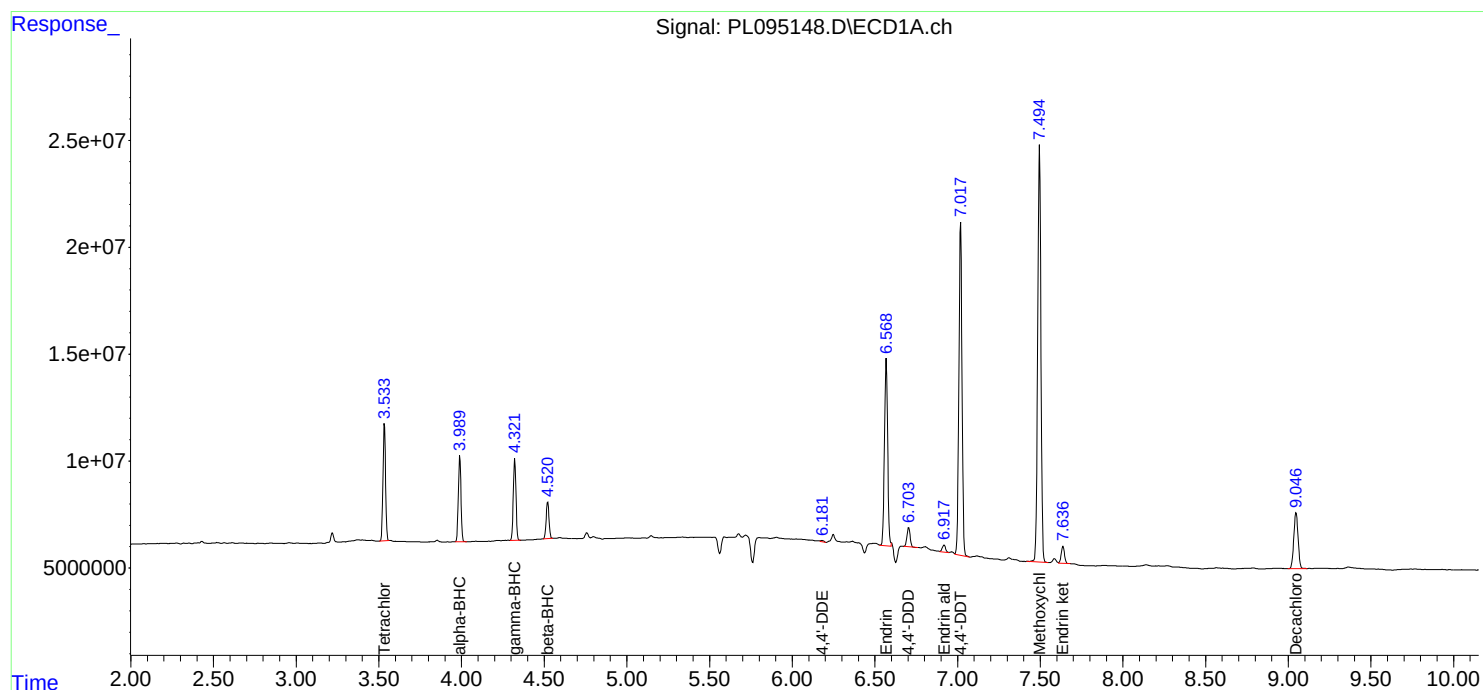
Instrument :
ECD_L
ClientSampleId :
PEM

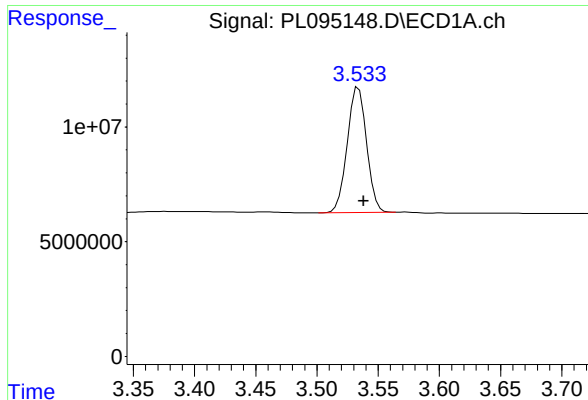
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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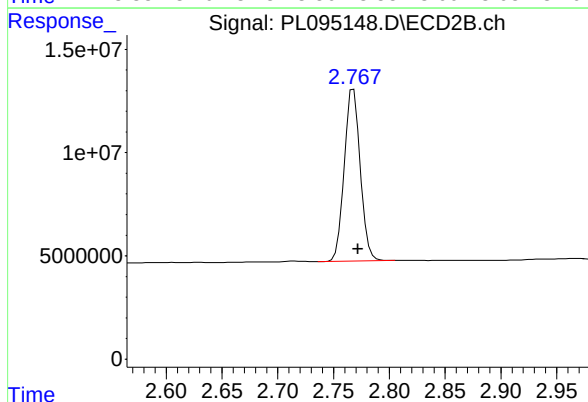
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 60083928
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

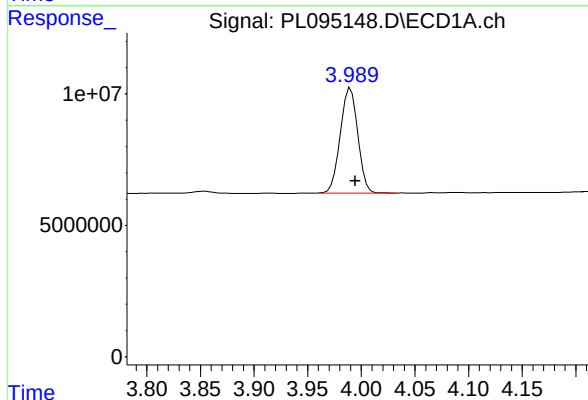
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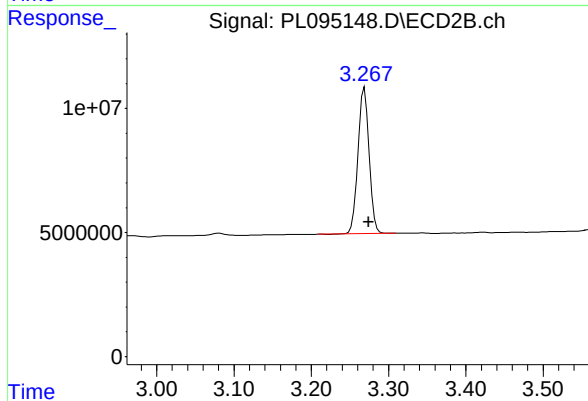
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 82936227
Conc: 23.24 ng/ml



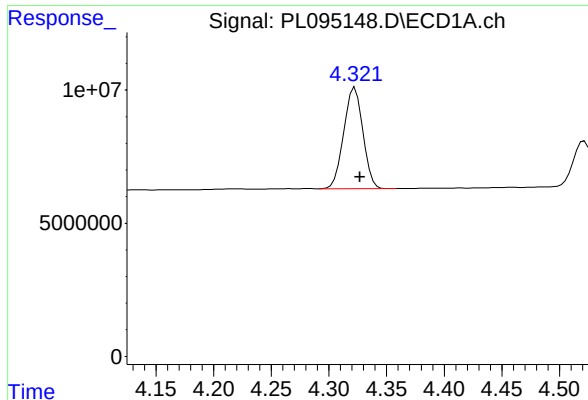
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 45237159
Conc: 10.89 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.006 min
Response: 58815373
Conc: 10.91 ng/ml



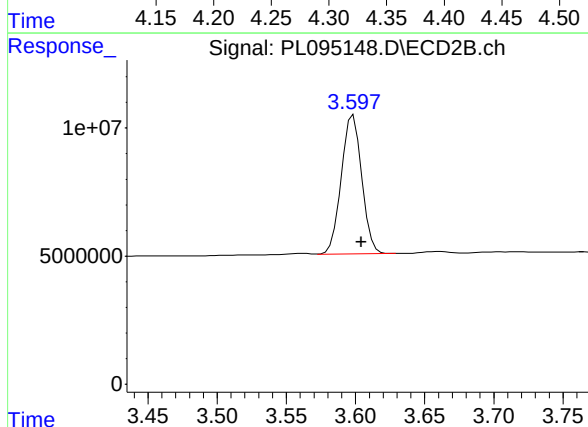
#3 gamma-BHC (Lindane)

R.T.: 4.322 min
Delta R.T.: -0.004 min
Response: 43575408
Conc: 10.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

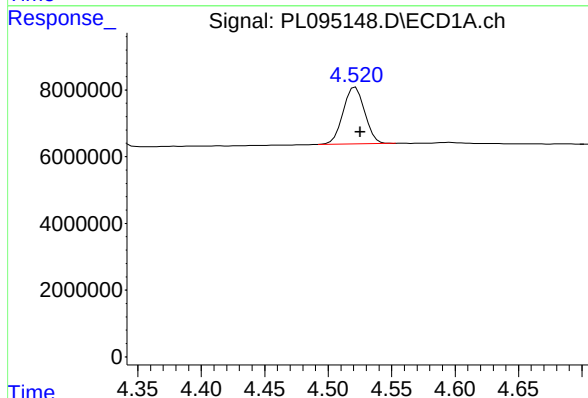
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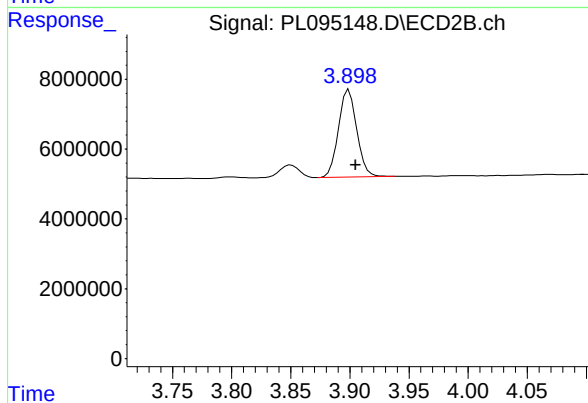
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: -0.006 min
Response: 55677171
Conc: 10.83 ng/ml



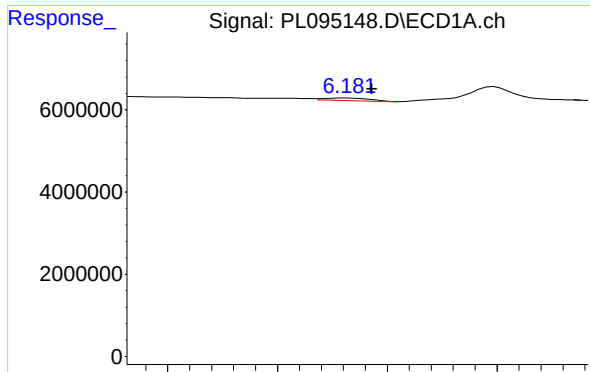
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: -0.004 min
Response: 20165786
Conc: 10.93 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.006 min
Response: 26918374
Conc: 12.12 ng/ml



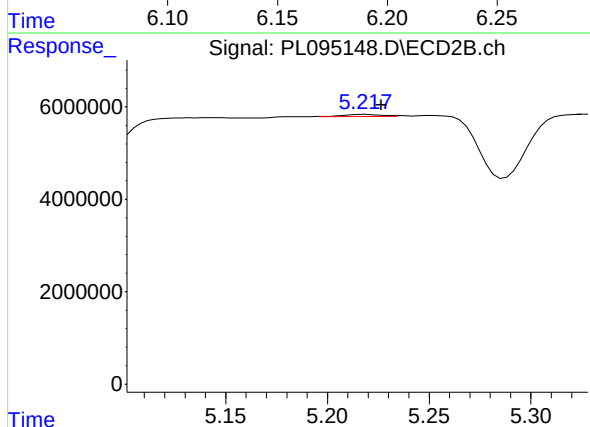
#12 4,4'-DDE

R.T.: 6.181 min
Delta R.T.: -0.012 min
Response: 869059
Conc: 0.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

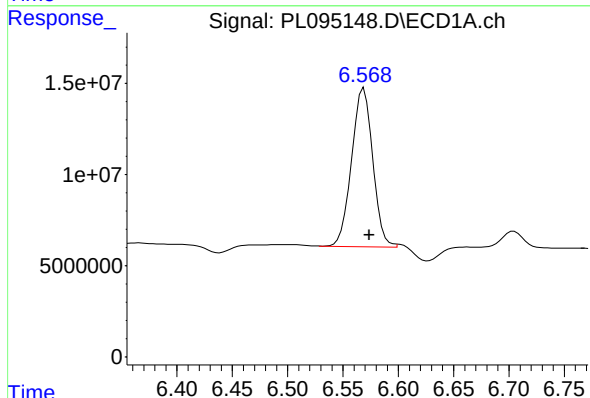
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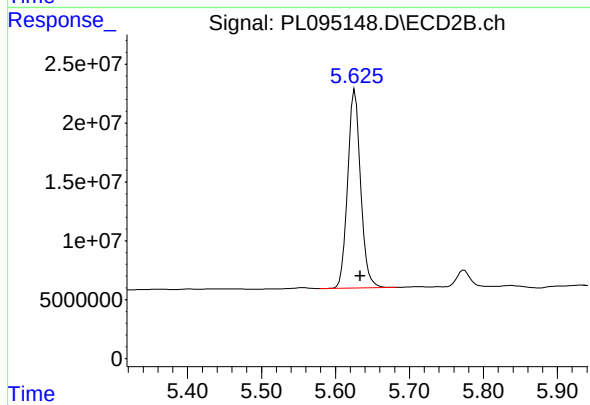
#12 4,4'-DDE

R.T.: 5.217 min
Delta R.T.: -0.009 min
Response: 566924
Conc: 0.12 ng/ml



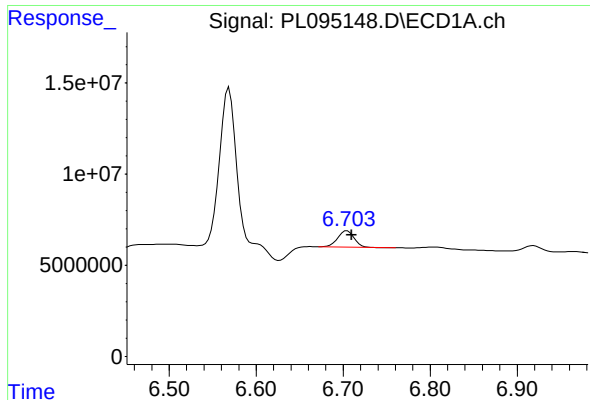
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.006 min
Response: 116327702
Conc: 41.96 ng/ml



#14 Endrin

R.T.: 5.626 min
Delta R.T.: -0.007 min
Response: 204990623
Conc: 46.98 ng/ml



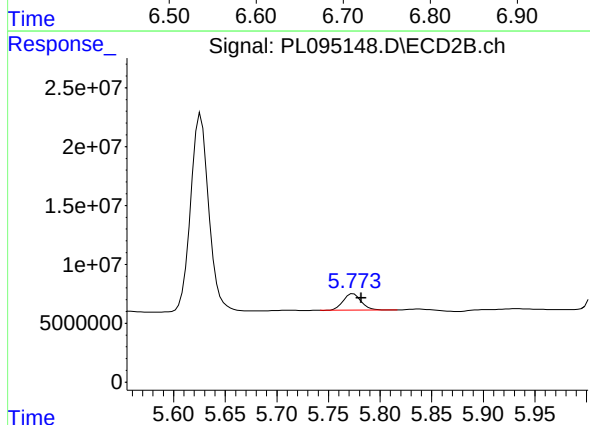
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.005 min
Response: 11787360
Conc: 5.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

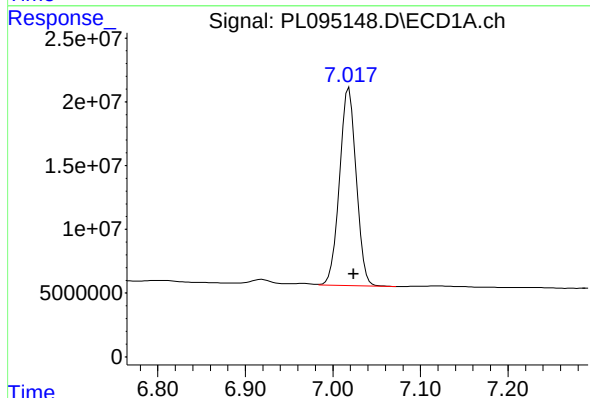
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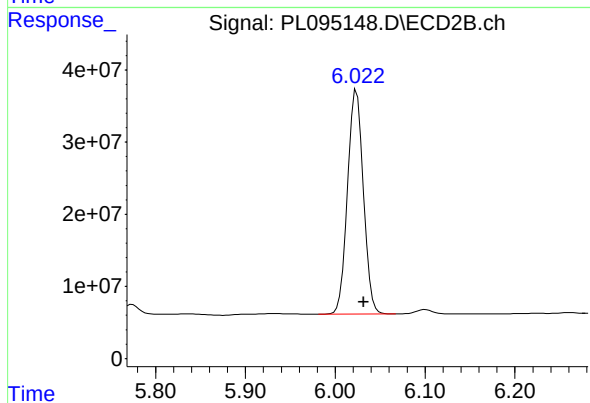
#16 4,4'-DDD

R.T.: 5.774 min
Delta R.T.: -0.008 min
Response: 16987875
Conc: 4.72 ng/ml



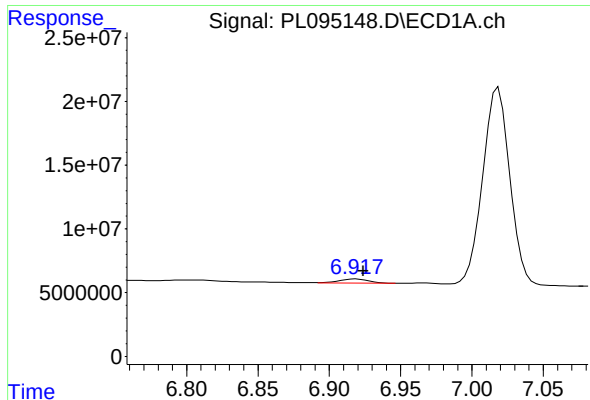
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.005 min
Response: 205649015
Conc: 86.46 ng/ml



#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.008 min
Response: 380511588
Conc: 94.37 ng/ml



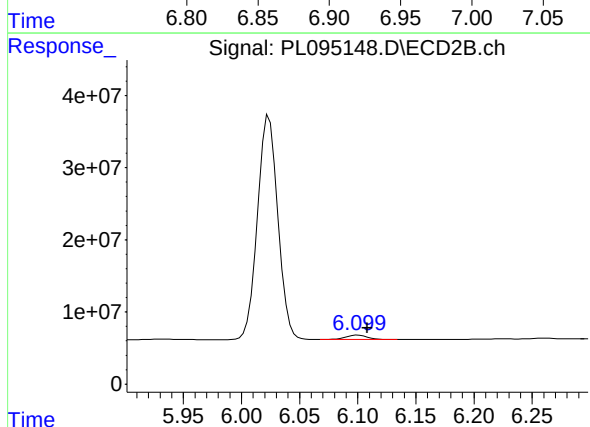
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: -0.007 min
Response: 4741196
Conc: 2.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

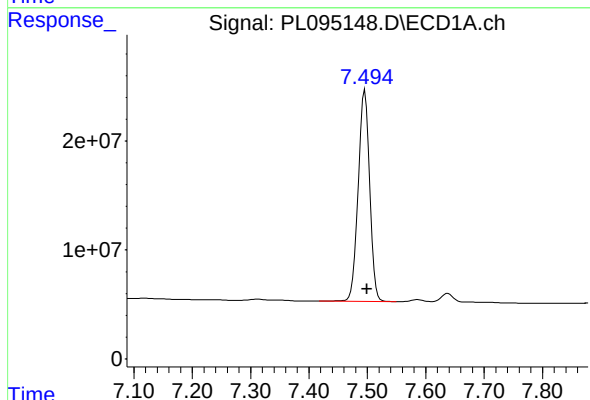
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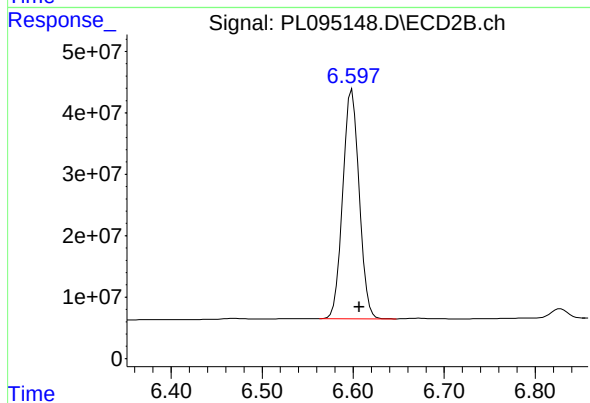
#18 Endrin aldehyde

R.T.: 6.100 min
Delta R.T.: -0.008 min
Response: 8142152
Conc: 2.42 ng/ml



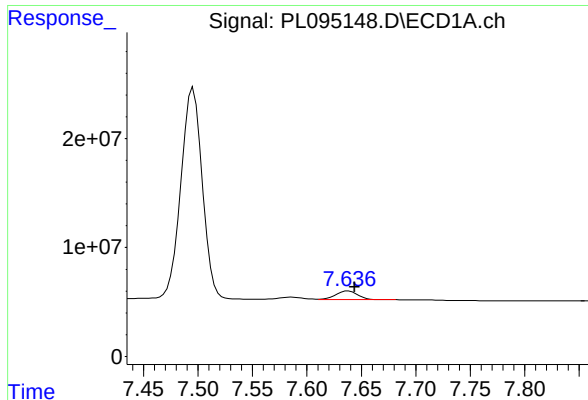
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 265291895
Conc: 221.62 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 469138640
Conc: 221.18 ng/ml



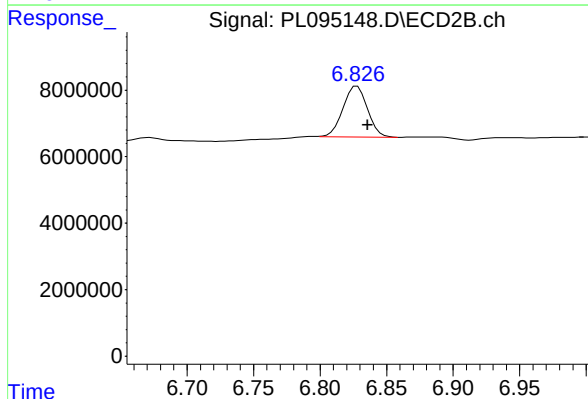
#21 Endrin ketone

R.T.: 7.638 min
Delta R.T.: -0.006 min
Response: 10840823
Conc: 4.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

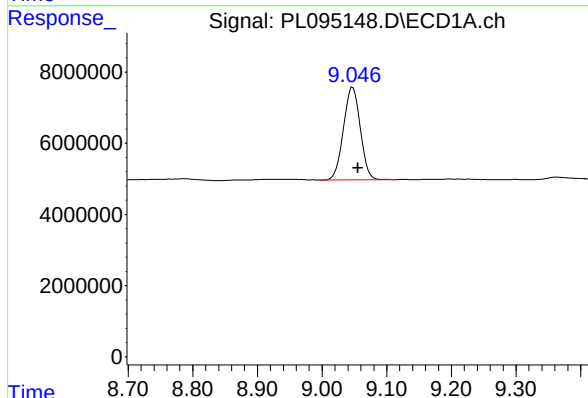
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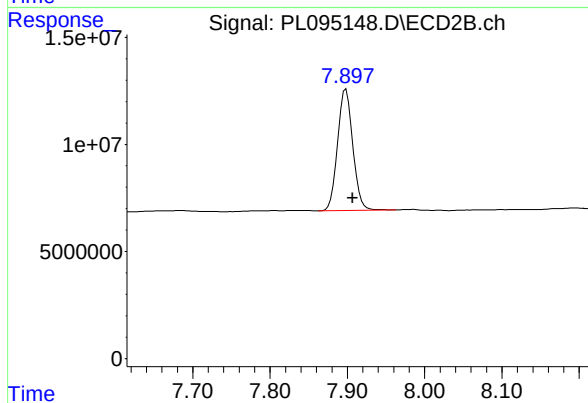
#21 Endrin ketone

R.T.: 6.826 min
Delta R.T.: -0.009 min
Response: 19599228
Conc: 4.11 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.008 min
Response: 47024808
Conc: 22.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.008 min
Response: 77743211
Conc: 19.25 ng/ml