

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041025\
 Data File : PL095179.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Apr 2025 19:15
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 20:37:13 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...	3.533	2.767	63757543	86600681	22.524	24.263
28)	SA Decachlor...	9.046	7.898	50435318	81646283	23.932	20.213
Target Compounds							
2)	A alpha-BHC	3.989	3.268	46956406	62216980	11.308	11.540
3)	MA gamma-BHC...	4.321	3.598	45442440	59077536	11.388	11.495
6)	B beta-BHC	4.521	3.899	20438527	28579988	11.076	12.866
14)	MA Endrin	6.567	5.625	133.3E6	232.1E6	48.085m	53.189
16)	A 4,4'-DDD	6.703	5.772	3774298	4171684	1.742m	1.160m#
17)	MA 4,4'-DDT	7.018	6.023	252.4E6	470.7E6	106.134	116.745
18)	B Endrin al...	6.916	6.100	3402668	6520175	1.612m	1.937
20)	A Methoxychlor	7.495	6.599	307.7E6	556.4E6	257.078	262.343
21)	B Endrin ke...	7.638	6.825	6384976	19633824	2.416	4.114m#

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

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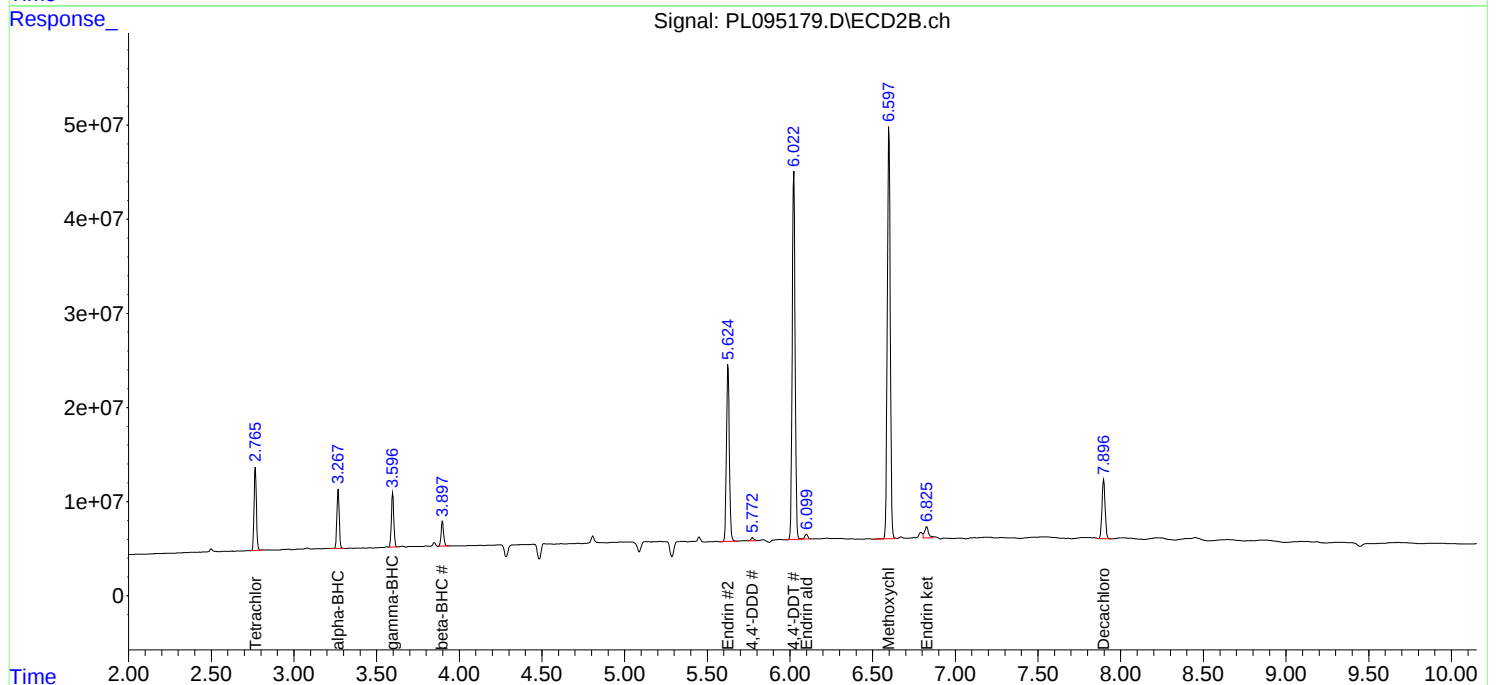
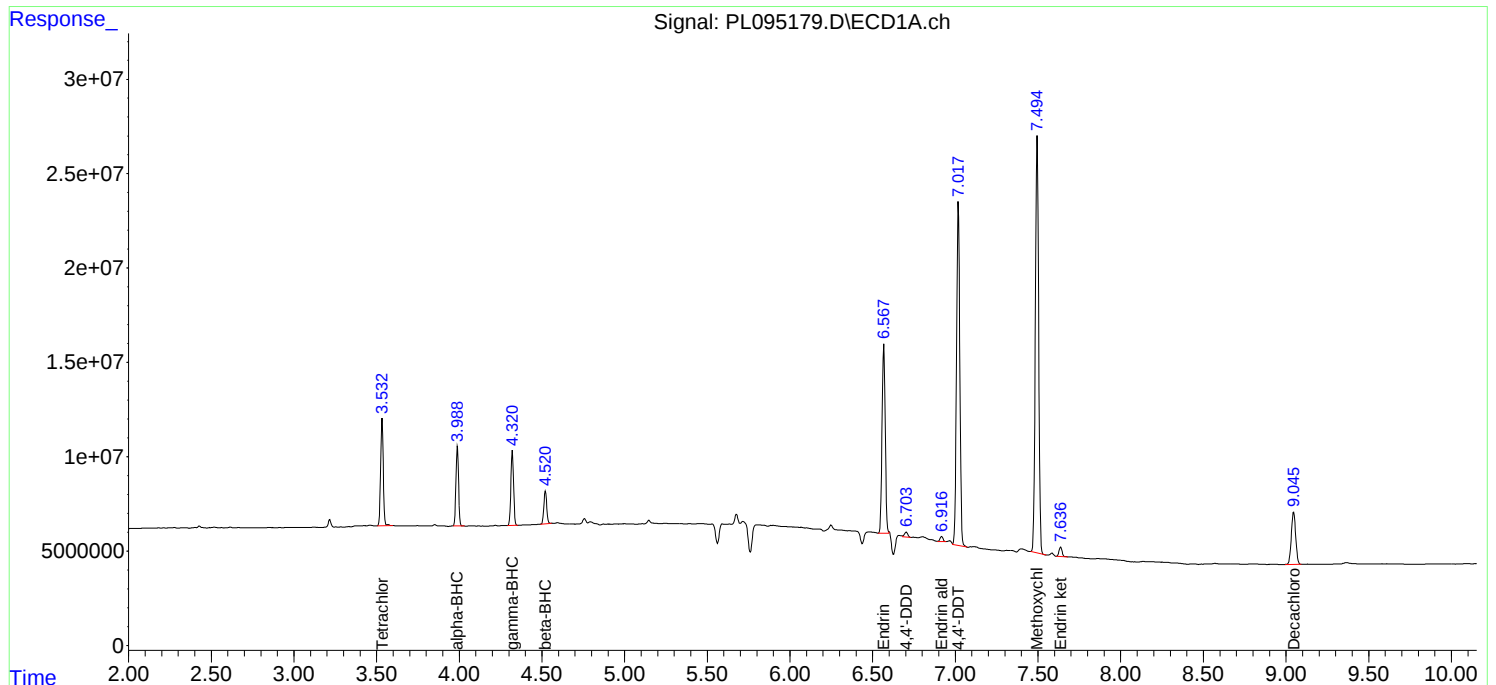
Instrument :
ECD_L
ClientSampleId :
PEM

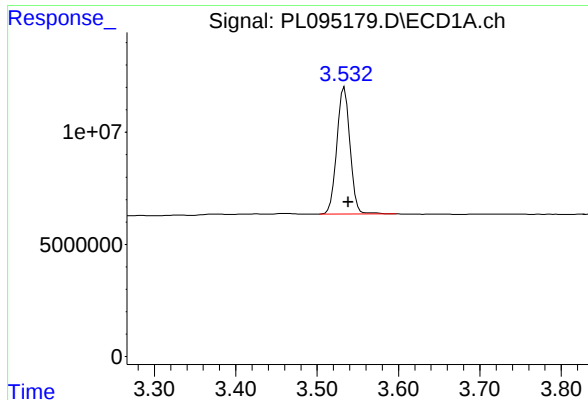
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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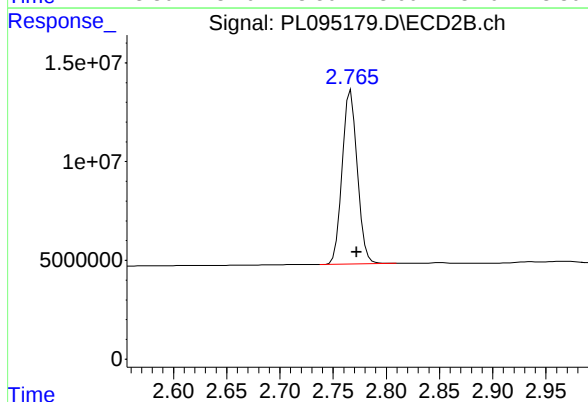
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 63757543
Conc: 22.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

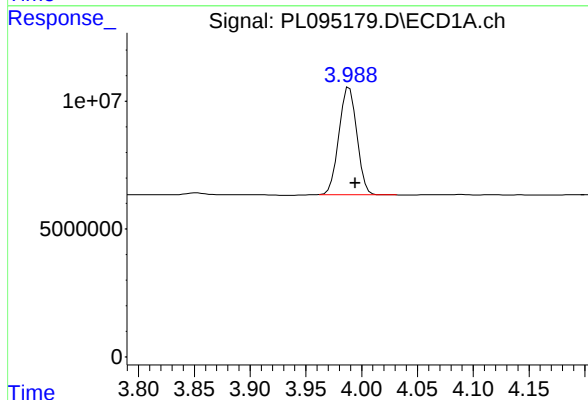
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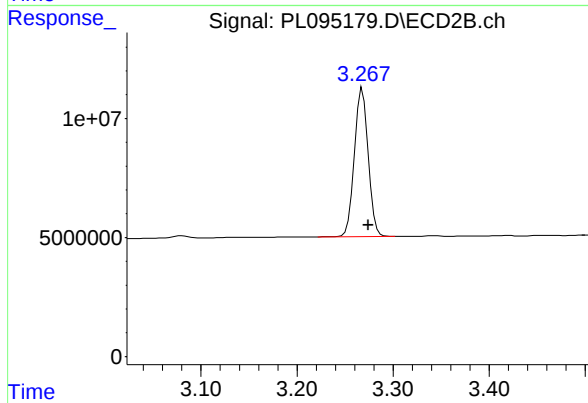
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: -0.005 min
Response: 86600681
Conc: 24.26 ng/ml



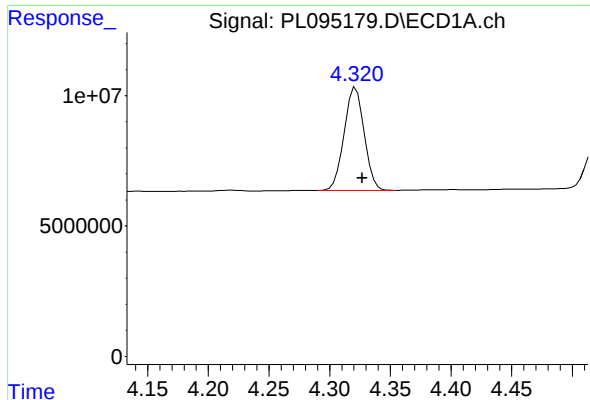
#2 alpha-BHC

R.T.: 3.989 min
Delta R.T.: -0.005 min
Response: 46956406
Conc: 11.31 ng/ml



#2 alpha-BHC

R.T.: 3.268 min
Delta R.T.: -0.006 min
Response: 62216980
Conc: 11.54 ng/ml



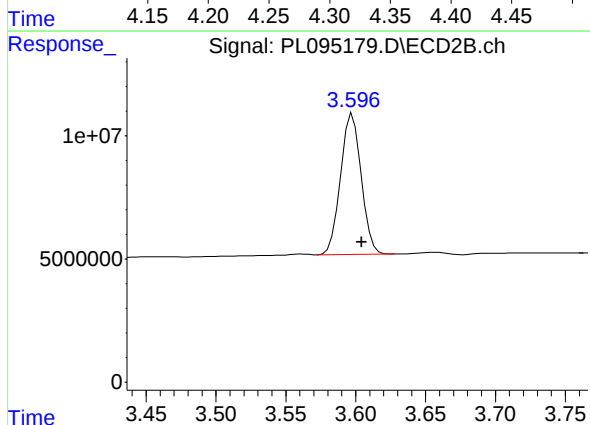
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.005 min
Response: 45442440
Conc: 11.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

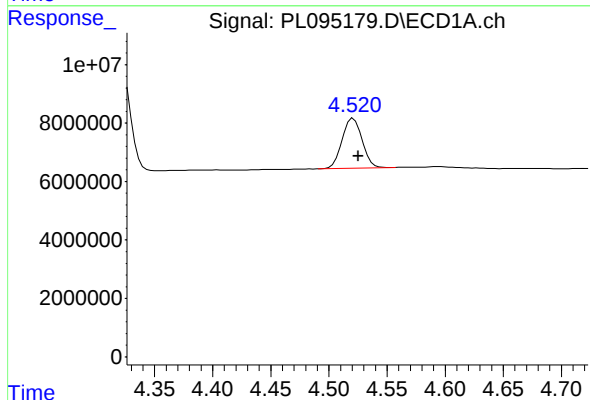
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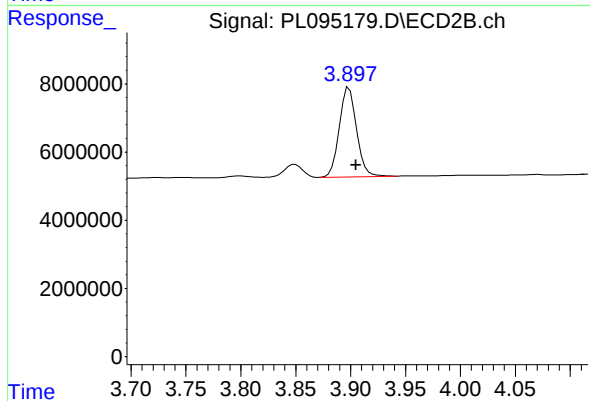
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: -0.007 min
Response: 59077536
Conc: 11.49 ng/ml



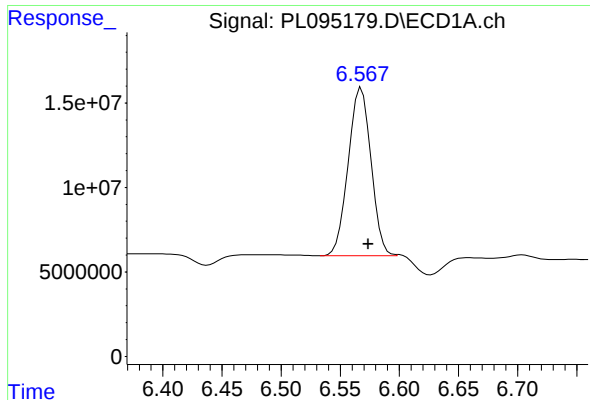
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: -0.004 min
Response: 20438527
Conc: 11.08 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.006 min
Response: 28579988
Conc: 12.87 ng/ml



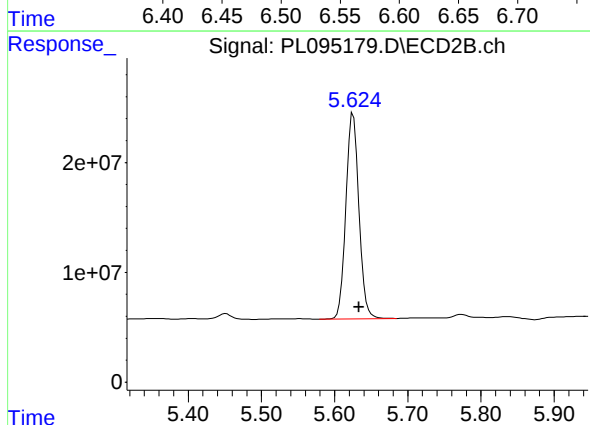
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.007 min
Response: 133294624
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

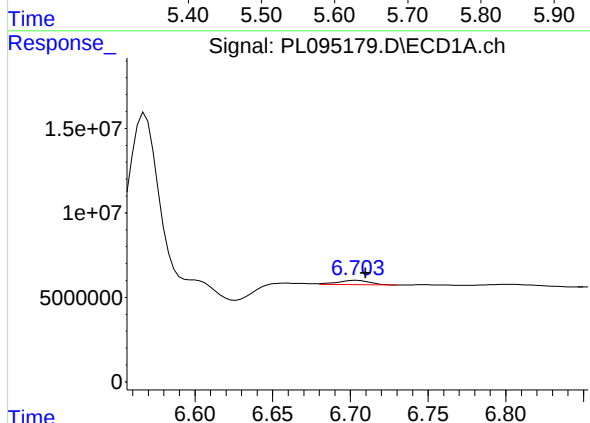
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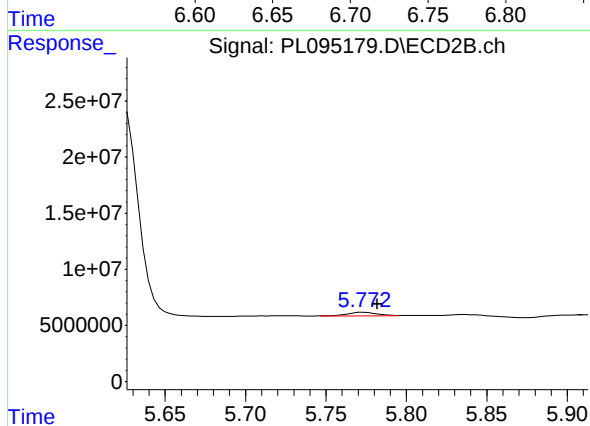
#14 Endrin

R.T.: 5.625 min
Delta R.T.: -0.008 min
Response: 232098166
Conc: 53.19 ng/ml



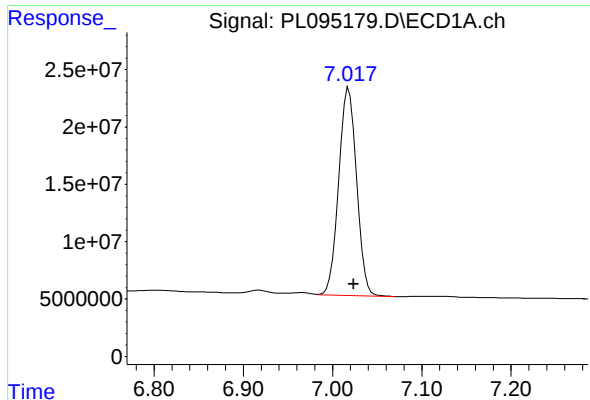
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.007 min
Response: 3774298
Conc: 1.74 ng/ml m



#16 4,4'-DDD

R.T.: 5.772 min
Delta R.T.: -0.010 min
Response: 4171684
Conc: 1.16 ng/ml m



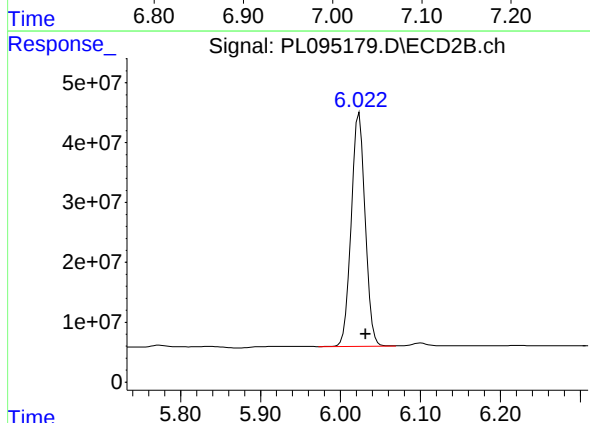
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.006 min
Response: 252444124
Conc: 106.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

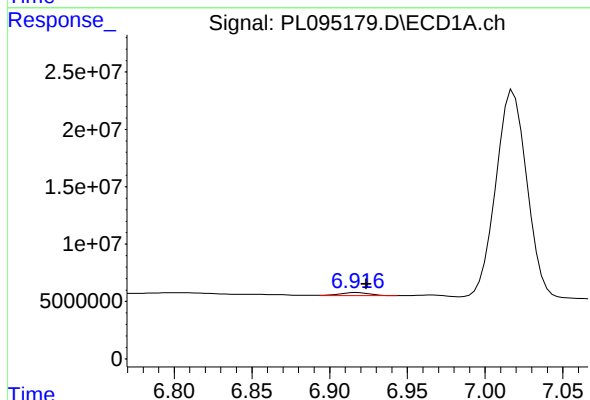
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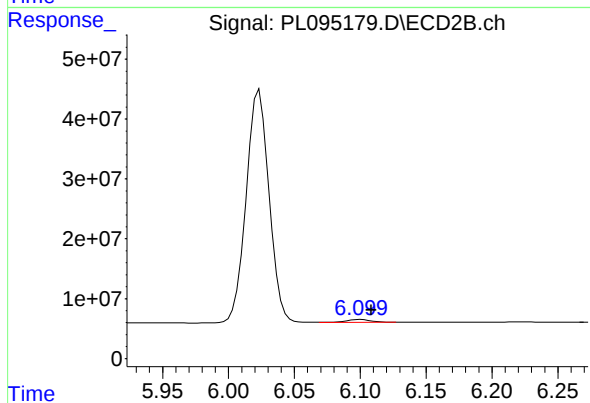
#17 4,4'-DDT

R.T.: 6.023 min
Delta R.T.: -0.008 min
Response: 470728111
Conc: 116.74 ng/ml



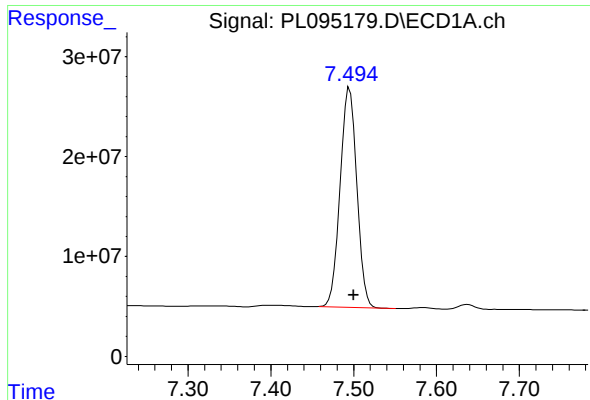
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.007 min
Response: 3402668
Conc: 1.61 ng/ml m



#18 Endrin aldehyde

R.T.: 6.100 min
Delta R.T.: -0.008 min
Response: 6520175
Conc: 1.94 ng/ml



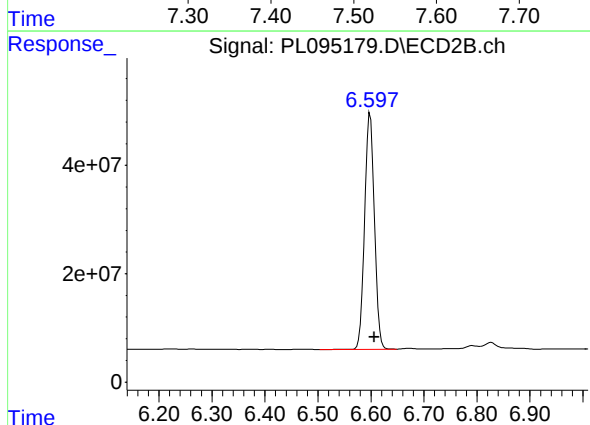
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: -0.005 min
Response: 307740961
Conc: 257.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

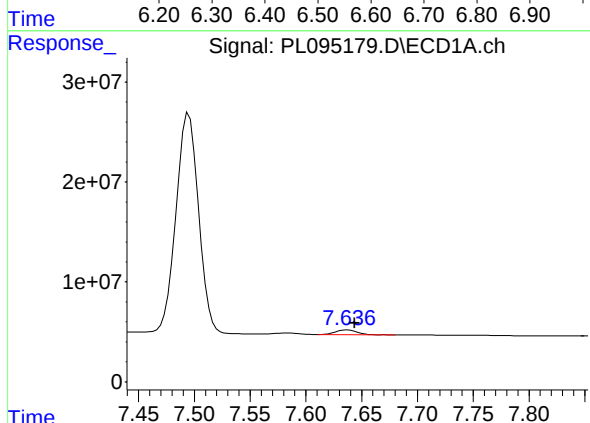
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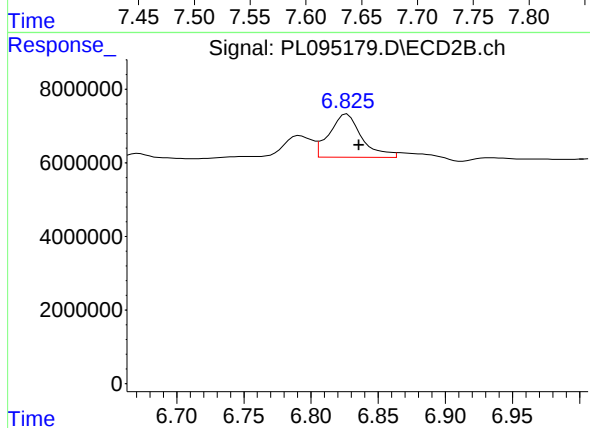
#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 556448011
Conc: 262.34 ng/ml



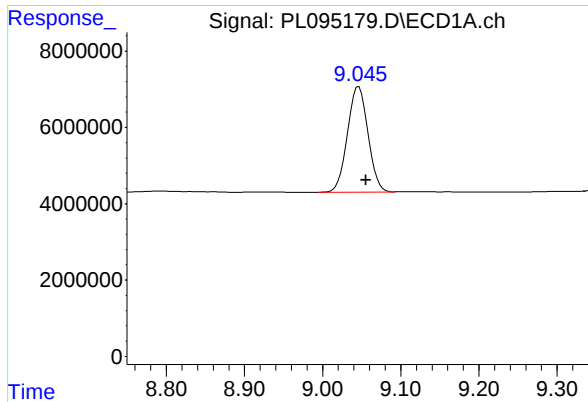
#21 Endrin ketone

R.T.: 7.638 min
Delta R.T.: -0.006 min
Response: 6384976
Conc: 2.42 ng/ml



#21 Endrin ketone

R.T.: 6.825 min
Delta R.T.: -0.011 min
Response: 19633824
Conc: 4.11 ng/ml m



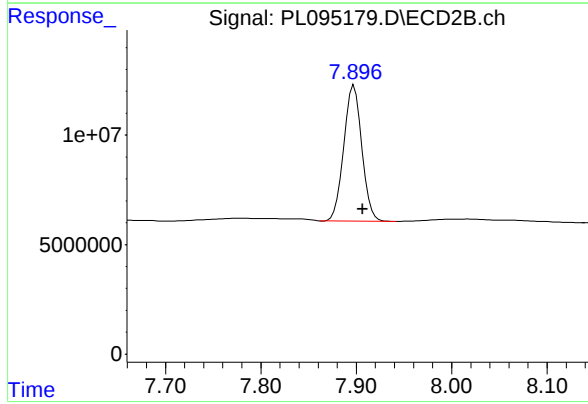
#28 Decachlorobiphenyl

R.T.: 9.046 min
Delta R.T.: -0.009 min
Response: 50435318
Conc: 23.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.009 min
Response: 81646283
Conc: 20.21 ng/ml