

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
 Data File : PL095655.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 11:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:07:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.910	85046225	96756241	20.814	20.656
28)	SA Decachlor...	9.115	8.087	78353030	92529545	23.096	22.433
Target Compounds							
2)	A alpha-BHC	4.043	3.420	60556598	74325024	10.350	10.393
3)	MA gamma-BHC...	4.374	3.753	59012898	71215314	10.602	10.546
6)	B beta-BHC	4.559	4.047	25913271	32631860	10.581	10.816
12)	B 4,4'-DDE	6.234	5.399	1330230	721901	0.260m	0.121m#
14)	MA Endrin	6.618	5.808	207.5E6	268.8E6	54.157	50.461
16)	A 4,4'-DDD	6.747	5.949	17775280	23525936	4.575	4.575
17)	MA 4,4'-DDT	7.063	6.203	388.4E6	494.0E6	107.966	98.426
18)	B Endrin al...	6.956	6.276	3277611	5132929	1.116m	1.341
20)	A Methoxychlor	7.535	6.773	423.3E6	566.9E6	251.074	209.496
21)	B Endrin ke...	7.673	7.004	9914584	18144893	2.646	3.088

(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 : 14 May 2025 11:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

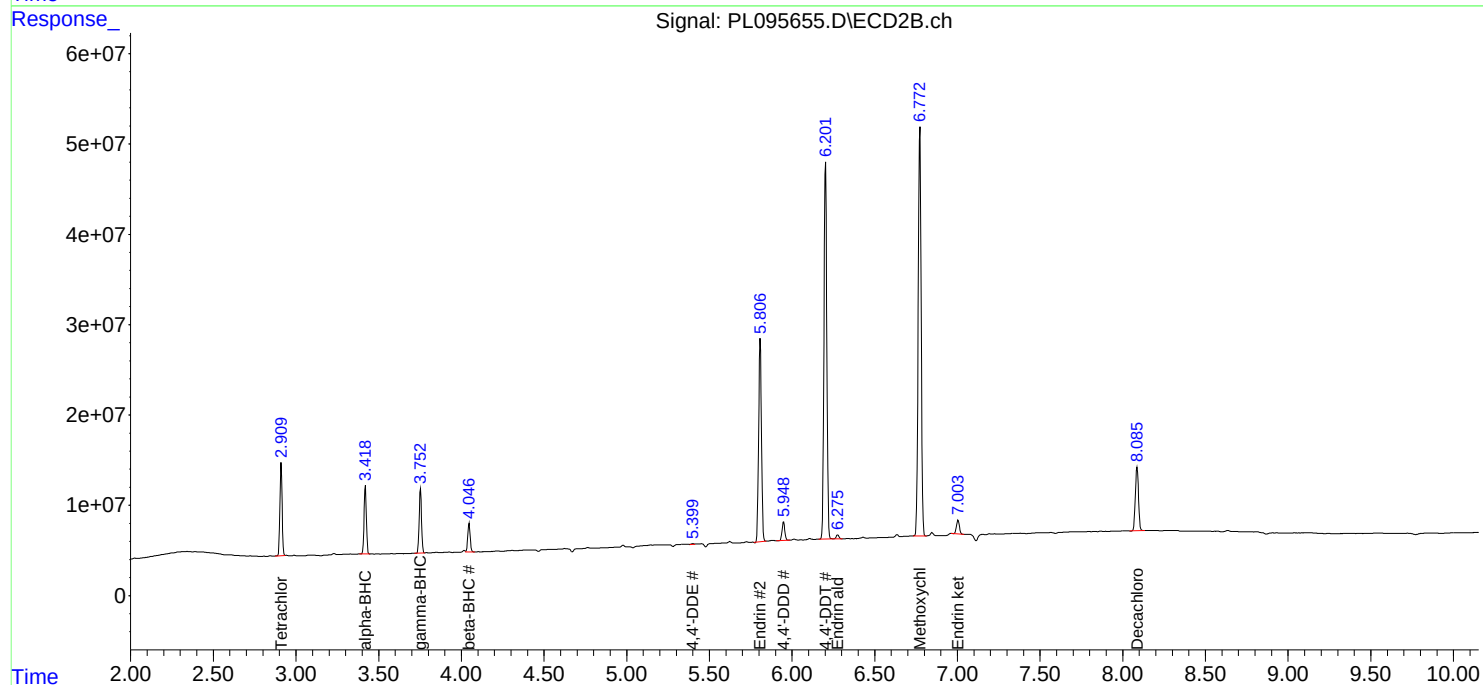
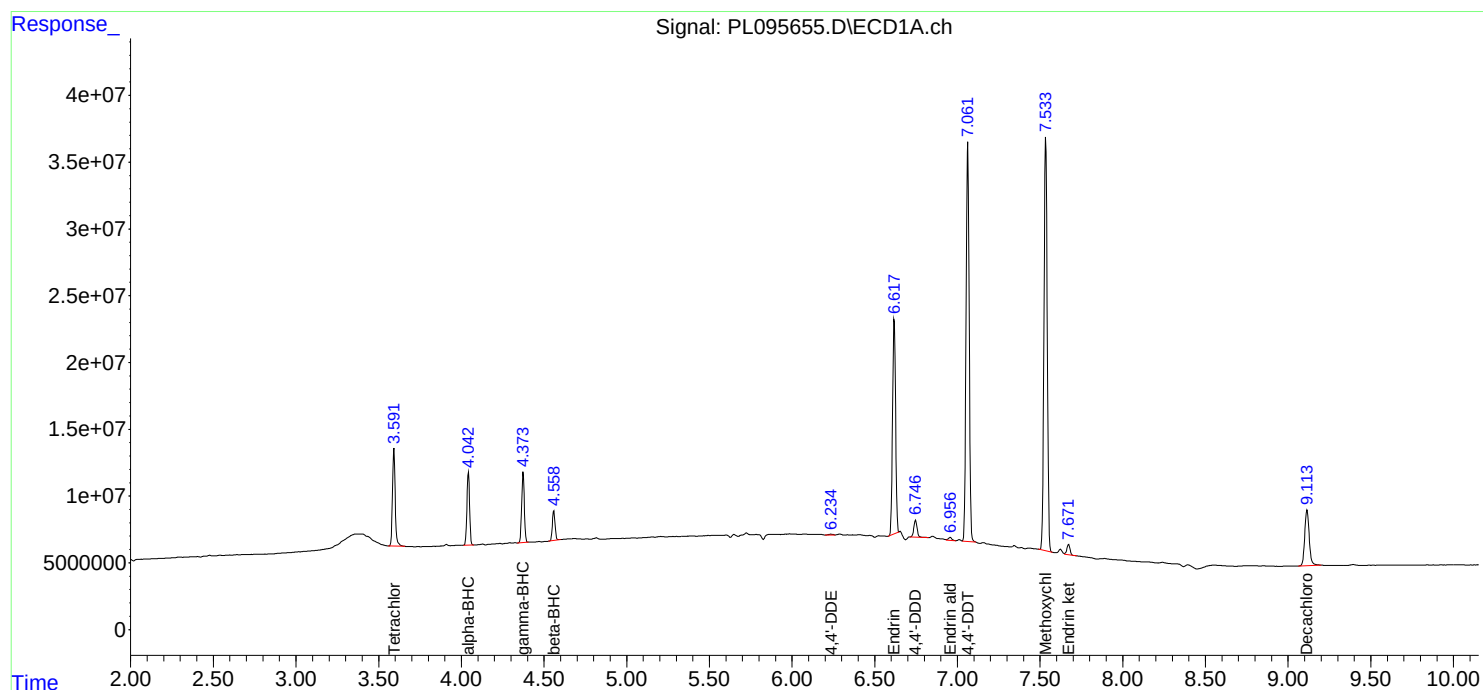
Instrument :
ECD_L
ClientSampleId :
PEM

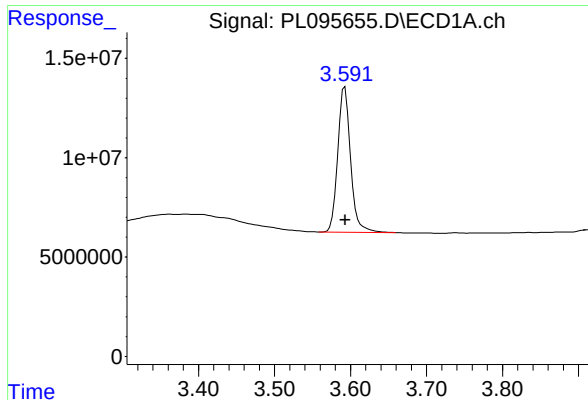
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:07:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
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Volume 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





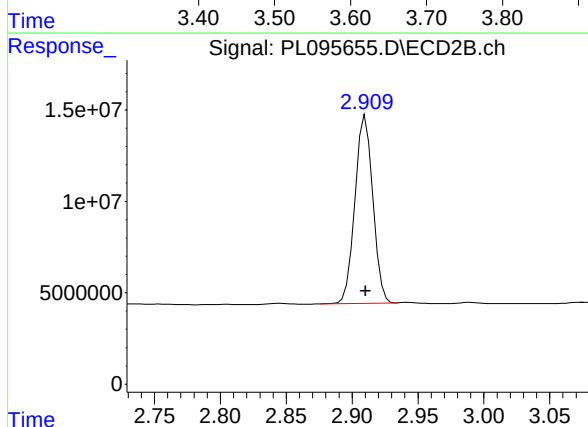
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: 0.000 min
Response: 85046225
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

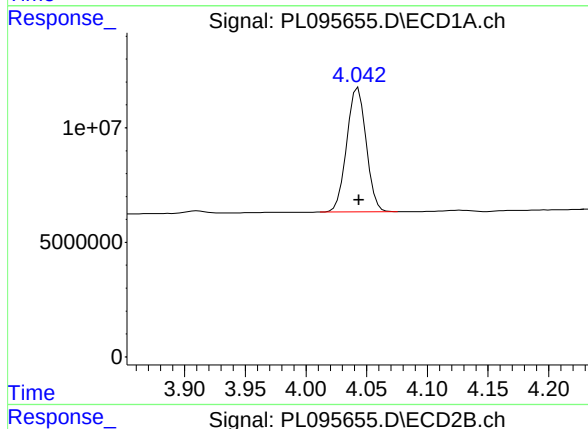
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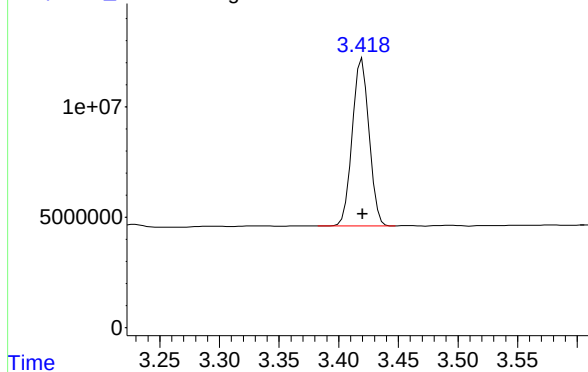
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.000 min
Response: 96756241
Conc: 20.66 ng/ml



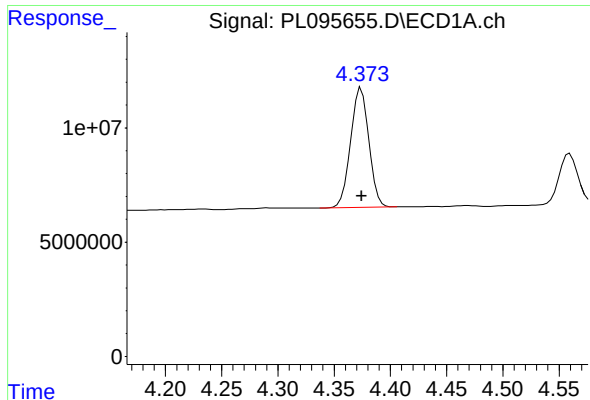
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 60556598
Conc: 10.35 ng/ml



#2 alpha-BHC

R.T.: 3.420 min
Delta R.T.: 0.000 min
Response: 74325024
Conc: 10.39 ng/ml



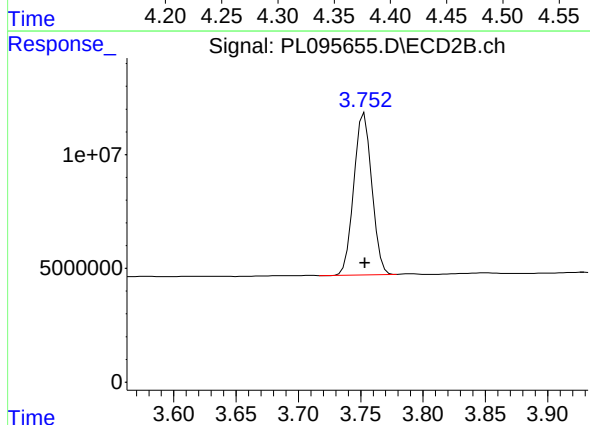
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 59012898
Conc: 10.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

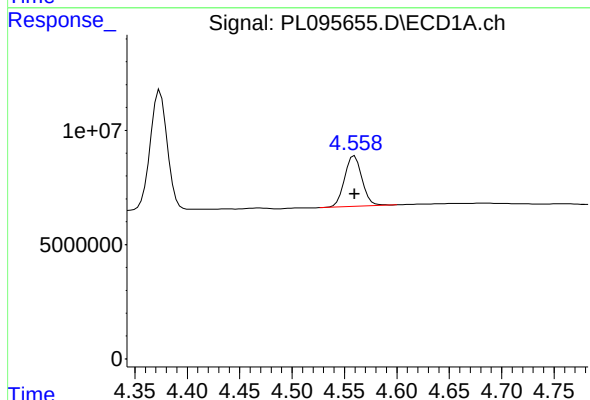
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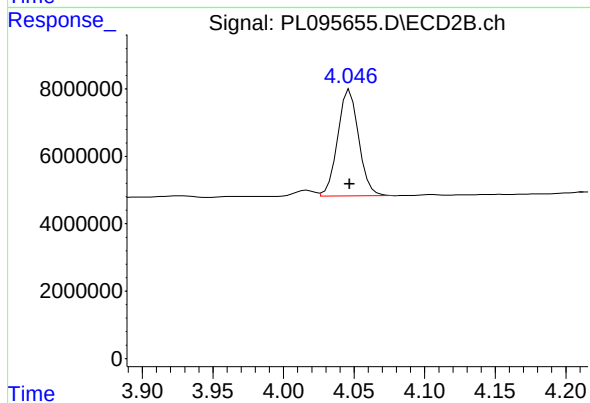
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.000 min
Response: 71215314
Conc: 10.55 ng/ml



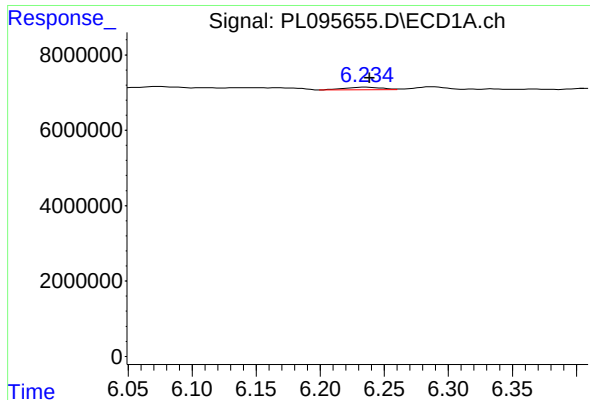
#6 beta-BHC

R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 25913271
Conc: 10.58 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 32631860
Conc: 10.82 ng/ml



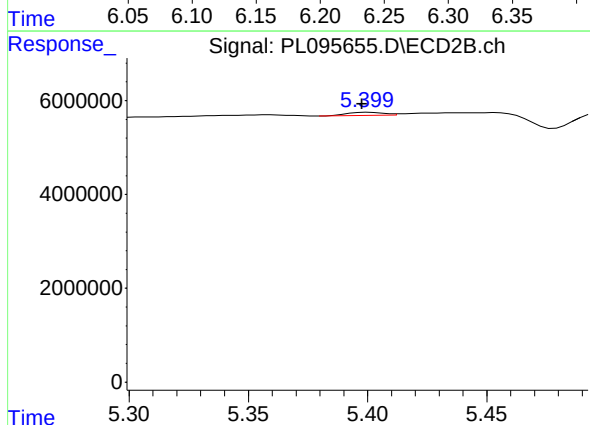
#12 4,4'-DDE

R.T.: 6.234 min
Delta R.T.: -0.004 min
Response: 1330230
Conc: 0.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

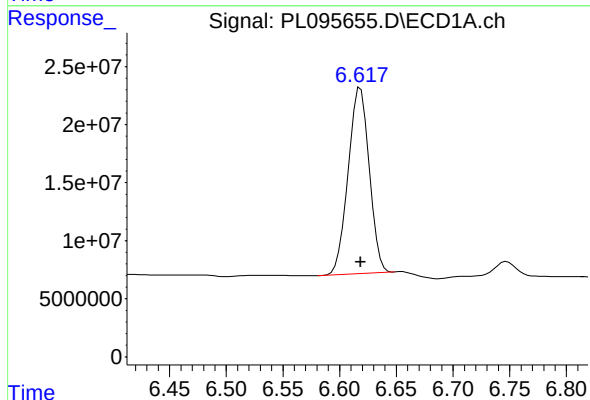
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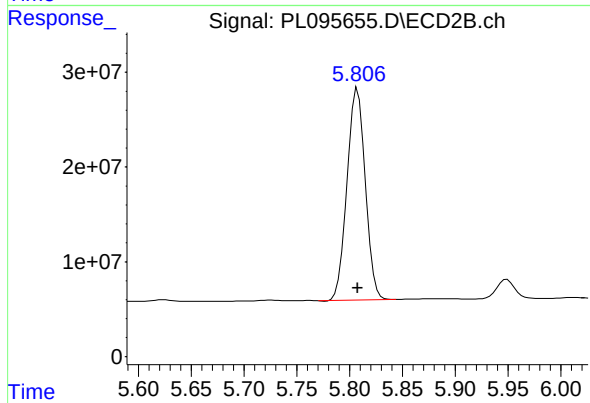
#12 4,4'-DDE

R.T.: 5.399 min
Delta R.T.: 0.000 min
Response: 721901
Conc: 0.12 ng/ml



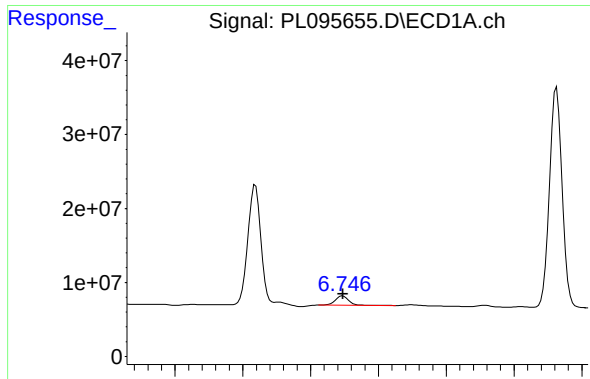
#14 Endrin

R.T.: 6.618 min
Delta R.T.: 0.000 min
Response: 207453466
Conc: 54.16 ng/ml



#14 Endrin

R.T.: 5.808 min
Delta R.T.: 0.000 min
Response: 268841579
Conc: 50.46 ng/ml



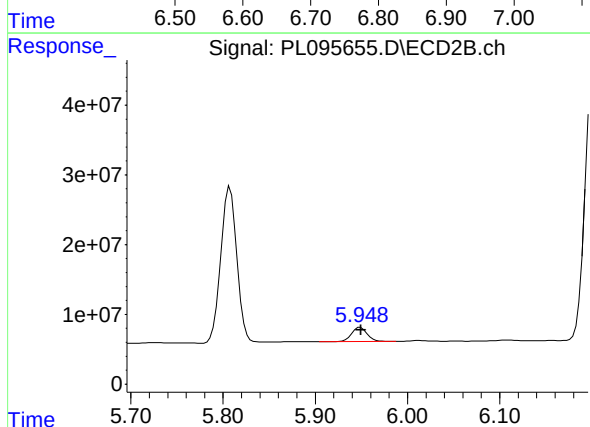
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 17775280
Conc: 4.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

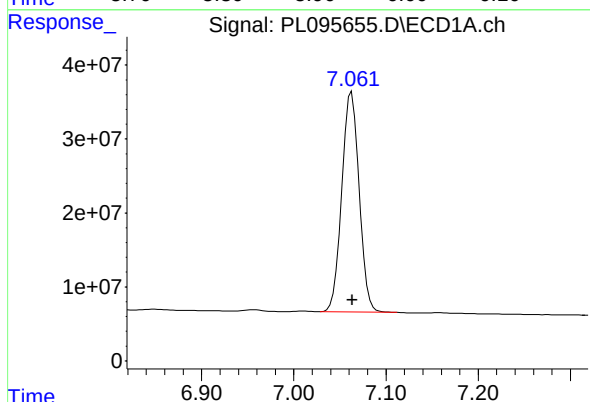
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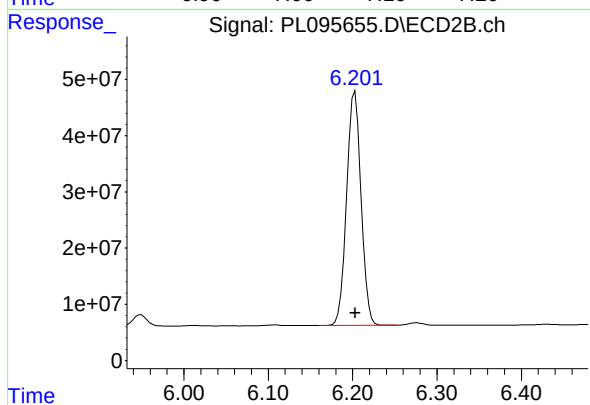
#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 23525936
Conc: 4.57 ng/ml



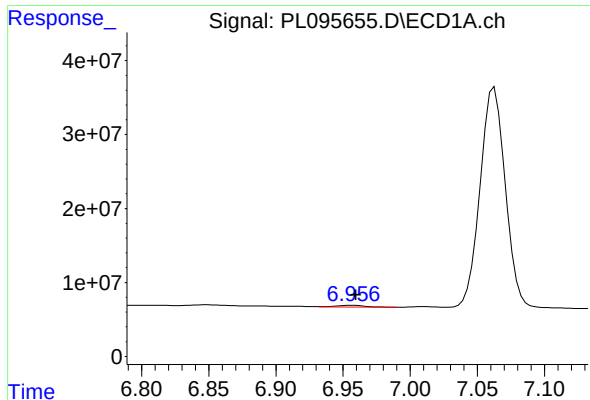
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: 0.000 min
Response: 388440751
Conc: 107.97 ng/ml



#17 4,4'-DDT

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 493986604
Conc: 98.43 ng/ml



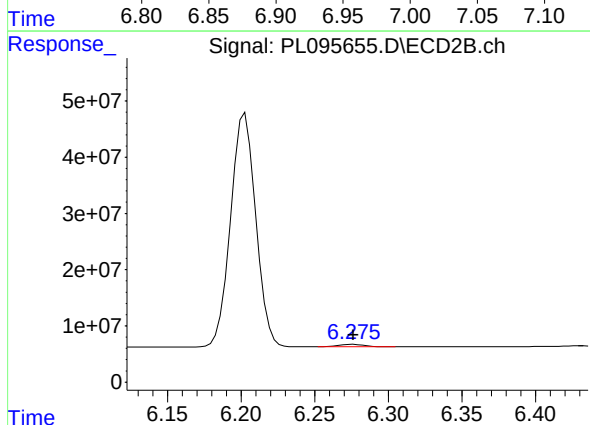
#18 Endrin aldehyde

R.T.: 6.956 min
Delta R.T.: -0.004 min
Response: 3277611
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

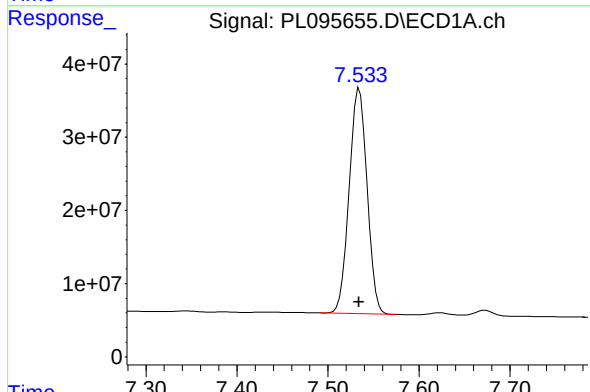
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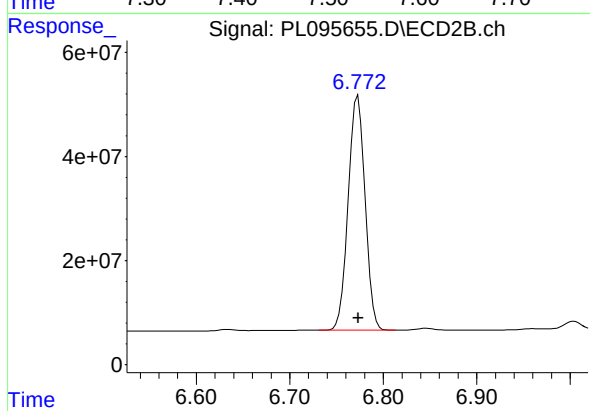
#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 5132929
Conc: 1.34 ng/ml



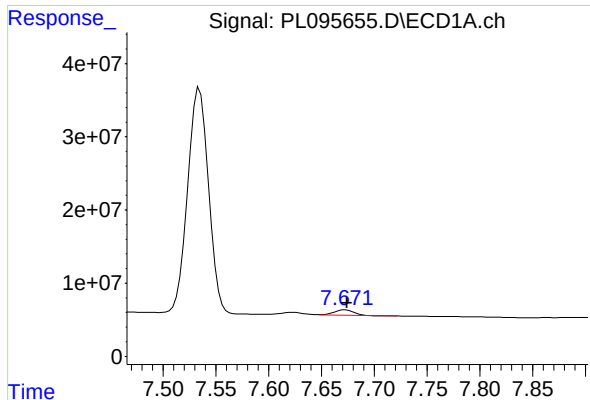
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: 0.000 min
Response: 423321028
Conc: 251.07 ng/ml



#20 Methoxychlor

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 566859739
Conc: 209.50 ng/ml



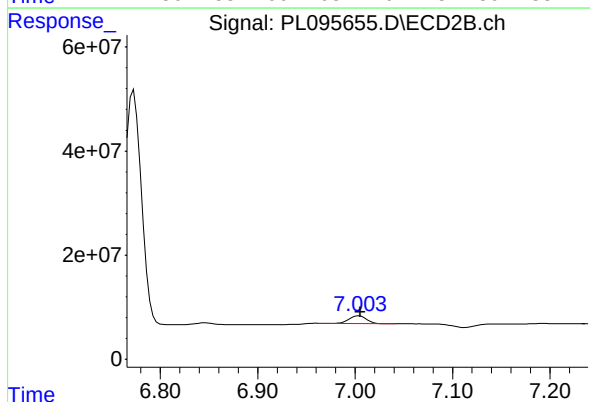
#21 Endrin ketone

R.T.: 7.673 min
Delta R.T.: -0.001 min
Response: 9914584
Conc: 2.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

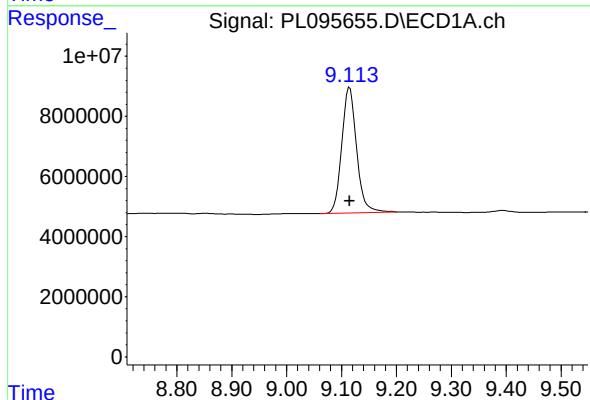
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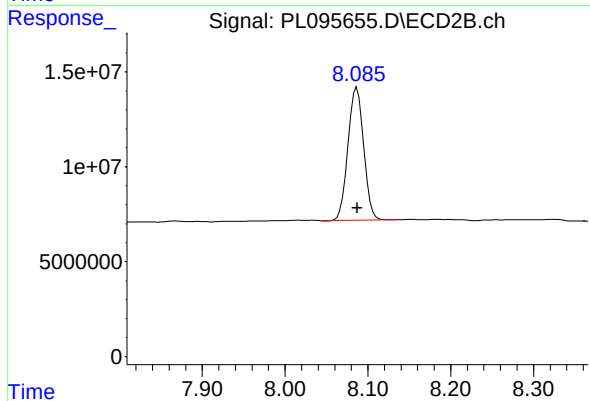
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: -0.002 min
Response: 18144893
Conc: 3.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: 0.000 min
Response: 78353030
Conc: 23.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 92529545
Conc: 22.43 ng/ml