

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD043025\
 Data File : PD088347.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 10:53
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/01/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 01 00:21:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.558	2.882	42679229	298.4E6	21.367	20.411
28)	SA Decachlor...	9.087	8.079	66579372	352.7E6	20.126	19.086
Target Compounds							
2)	A alpha-BHC	4.008	3.395	42500183	242.6E6	9.856	10.613
3)	MA gamma-BHC...	4.339	3.732	43320620	230.0E6	10.345	10.679
6)	B beta-BHC	4.524	4.028	18069602	101.9E6	11.131	11.007
14)	MA Endrin	6.584	5.794	159.2E6	859.0E6	53.388	47.189
16)	A 4,4'-DDD	6.714	5.935	9034081	66737558	3.592	4.073
17)	MA 4,4'-DDT	7.032	6.189	282.4E6	1475.0E6	101.663	86.678
18)	B Endrin al...	6.928	6.263	1177587	8331830	0.510	0.626
20)	A Methoxychlor	7.504	6.760	346.3E6	1608.0E6	230.960	176.294
21)	B Endrin ke...	7.637	6.997	3845770	27773565	1.246m	1.485

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

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Acq On : 30 Apr 2025 10:53
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

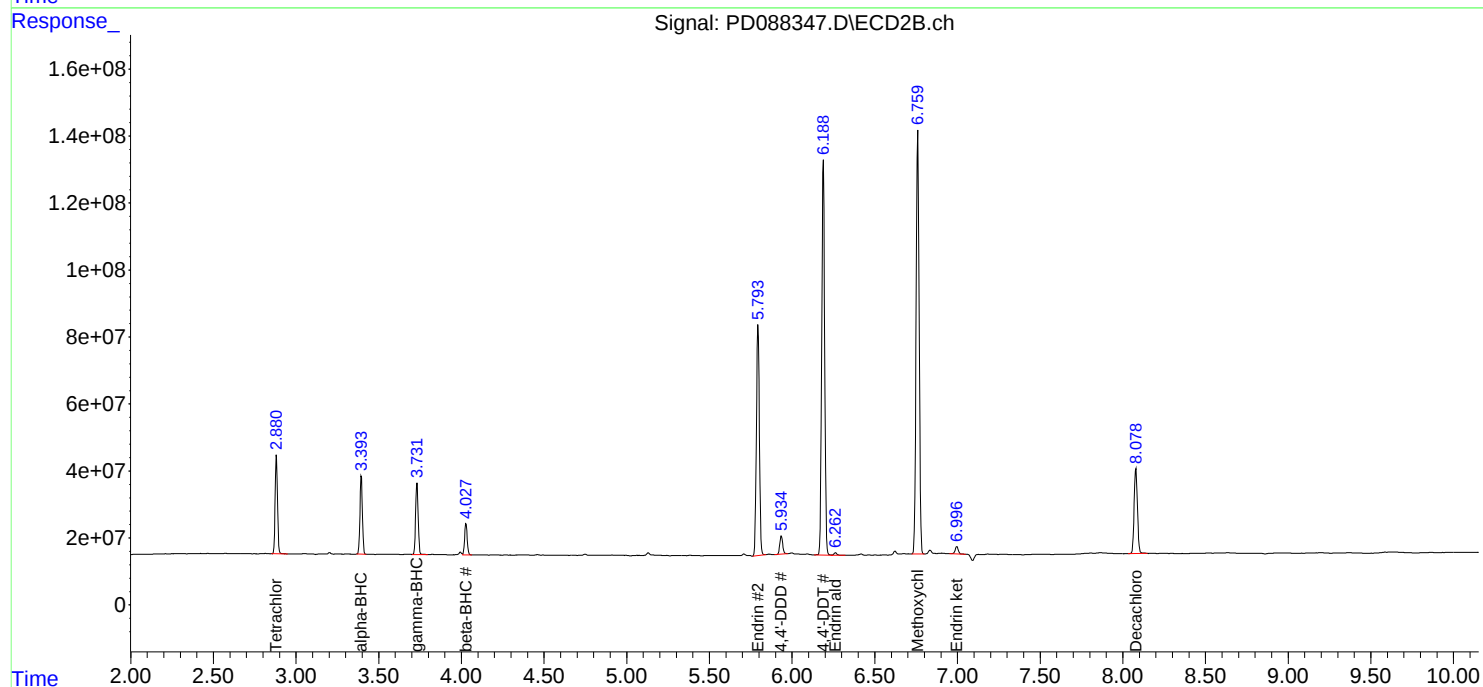
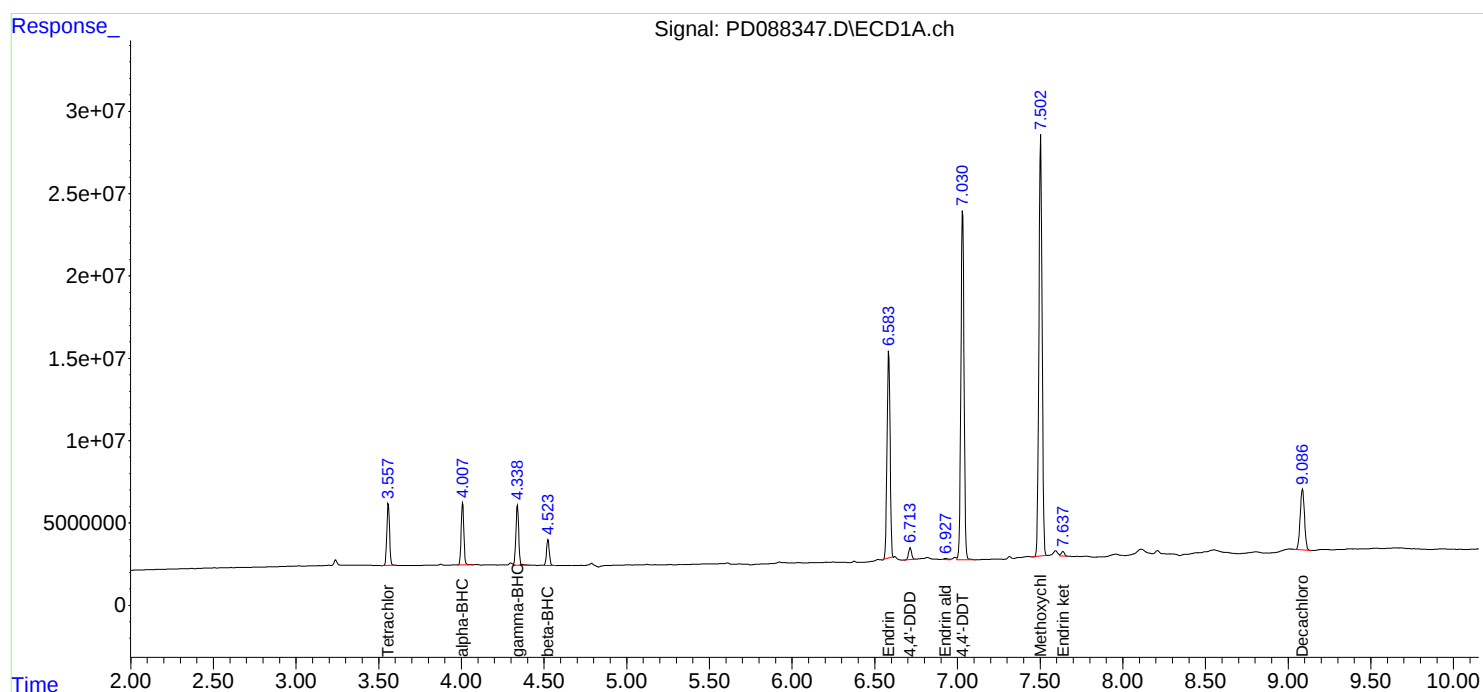
Instrument :
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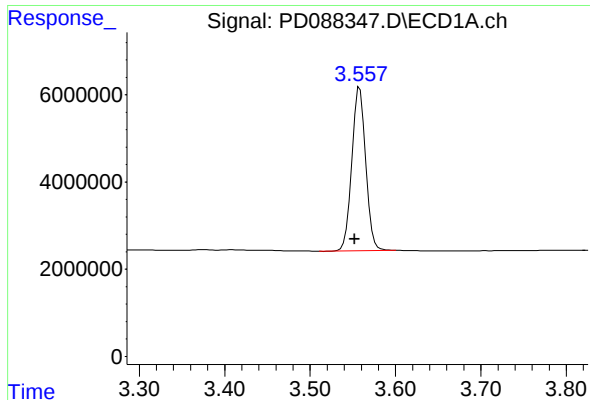
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Title : GC Extractables
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





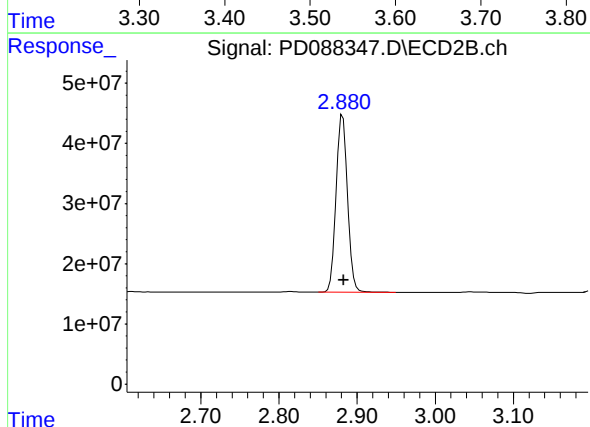
#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 42679229
Conc: 21.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

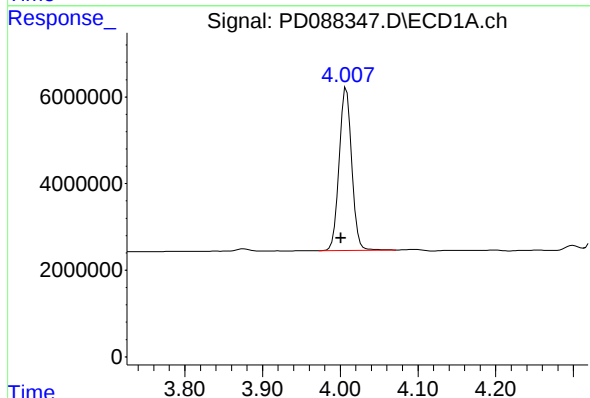
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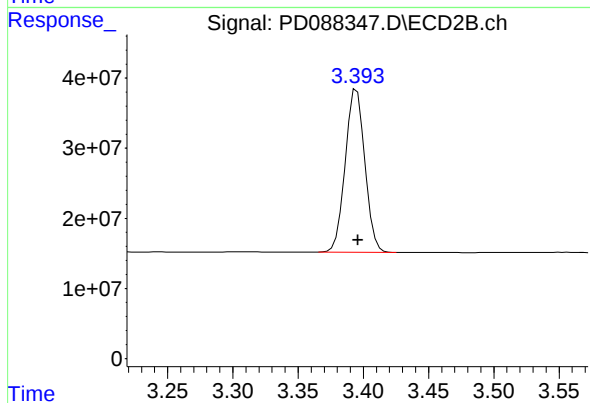
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 298441027
Conc: 20.41 ng/ml



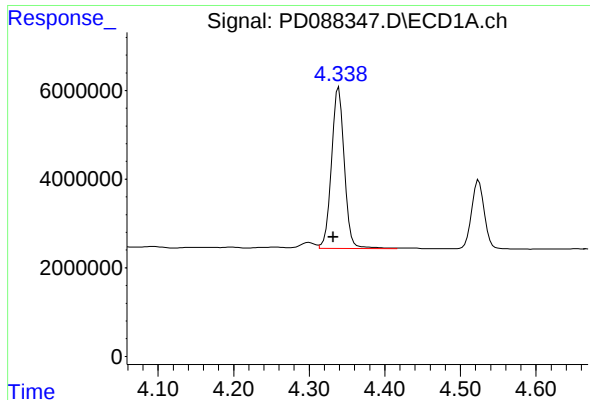
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.007 min
Response: 42500183
Conc: 9.86 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 242620746
Conc: 10.61 ng/ml



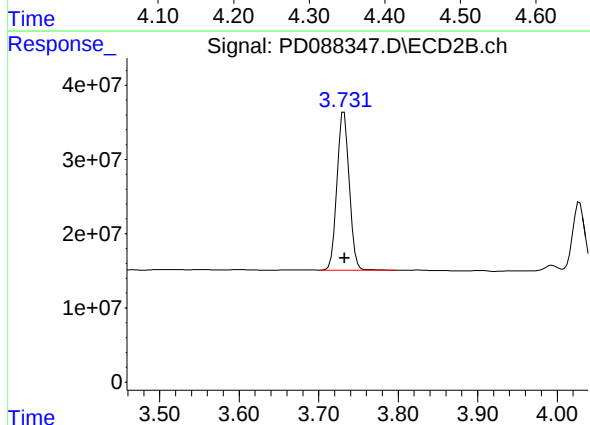
#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: 0.007 min
Response: 43320620
Conc: 10.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

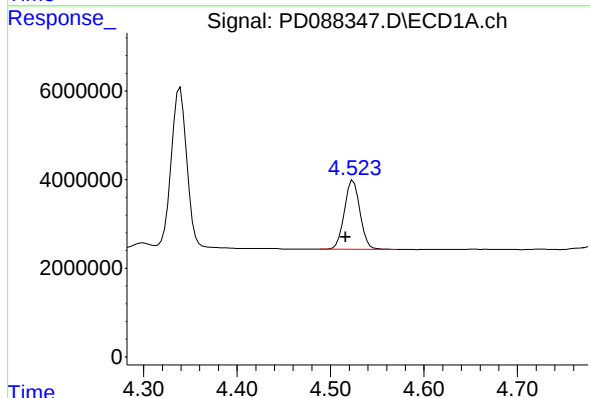
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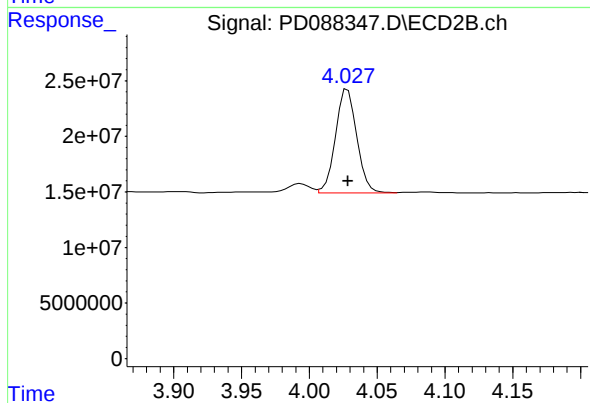
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 230020372
Conc: 10.68 ng/ml



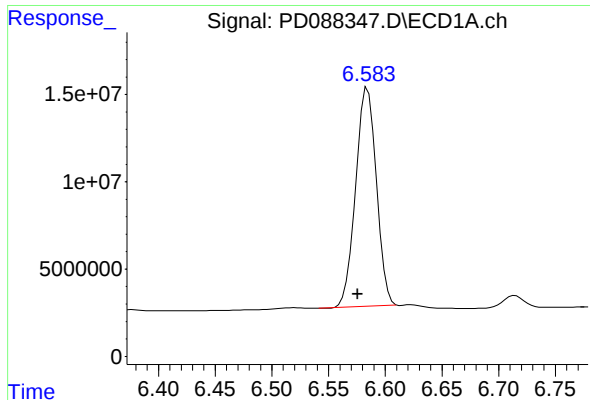
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.008 min
Response: 18069602
Conc: 11.13 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 101856956
Conc: 11.01 ng/ml



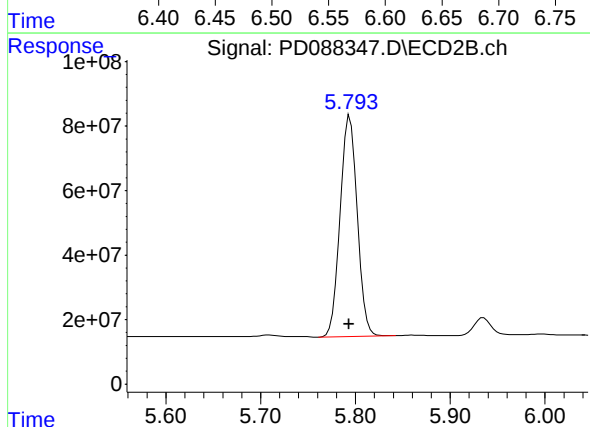
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.009 min
Response: 159234420
Conc: 53.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

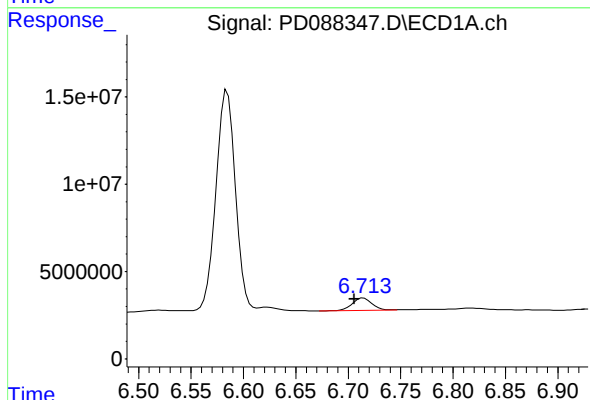
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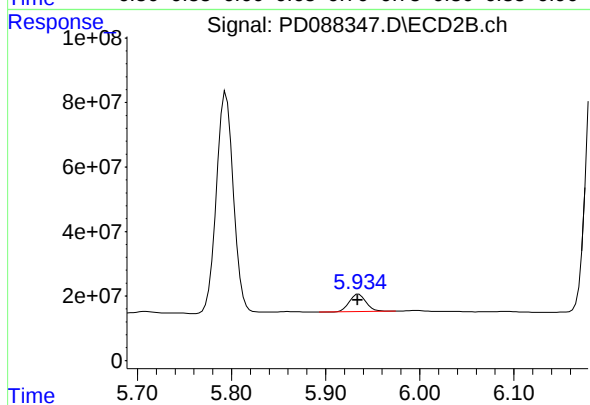
#14 Endrin

R.T.: 5.794 min
Delta R.T.: 0.001 min
Response: 858950194
Conc: 47.19 ng/ml



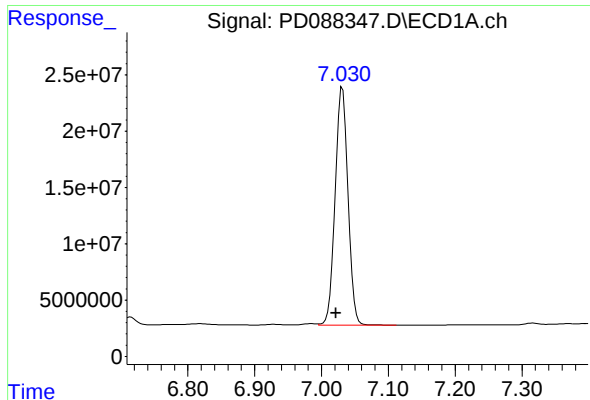
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.009 min
Response: 9034081
Conc: 3.59 ng/ml



#16 4,4'-DDD

R.T.: 5.935 min
Delta R.T.: 0.001 min
Response: 66737558
Conc: 4.07 ng/ml



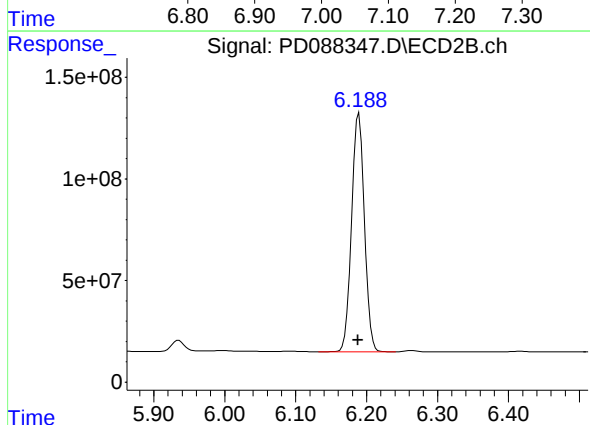
#17 4,4'-DDT

R.T.: 7.032 min
Delta R.T.: 0.010 min
Response: 282372076
Conc: 101.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

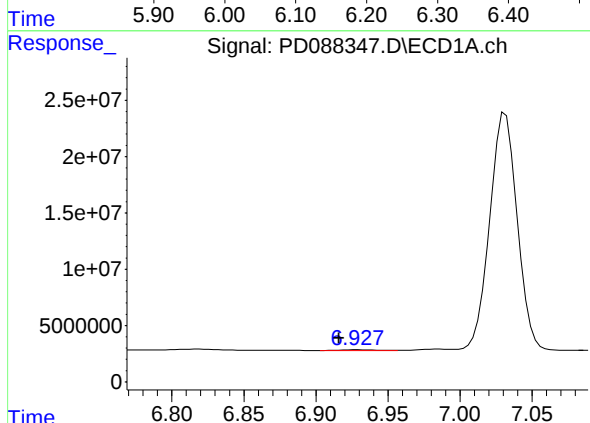
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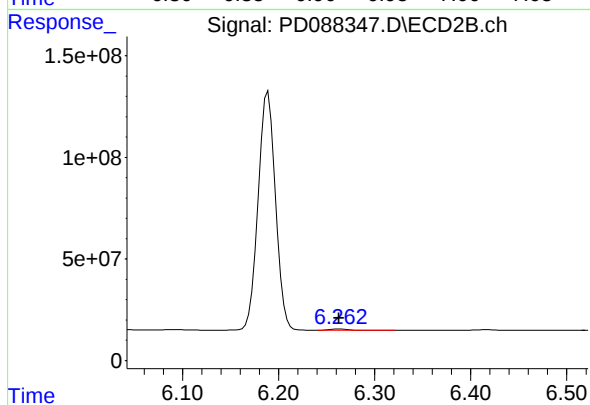
#17 4,4'-DDT

R.T.: 6.189 min
Delta R.T.: 0.001 min
Response: 1474955368
Conc: 86.68 ng/ml



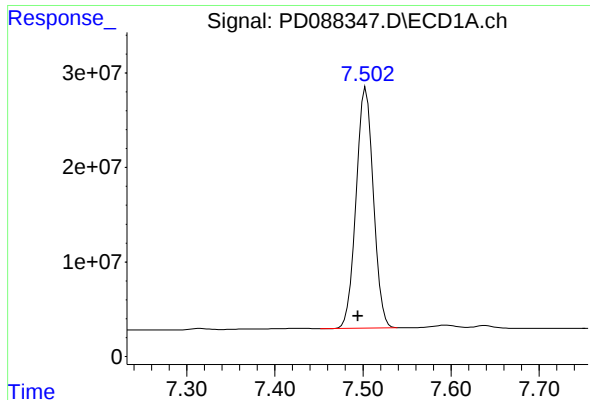
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.012 min
Response: 1177587
Conc: 0.51 ng/ml



#18 Endrin aldehyde

R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 8331830
Conc: 0.63 ng/ml



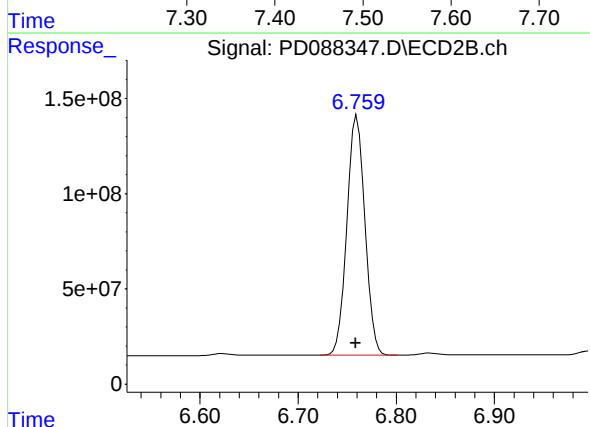
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.009 min
Response: 346335115
Conc: 230.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

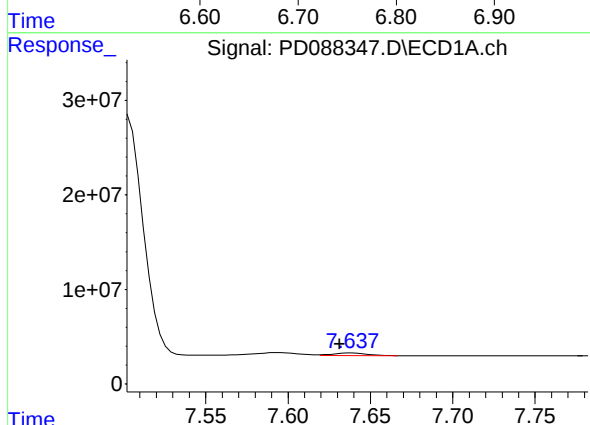
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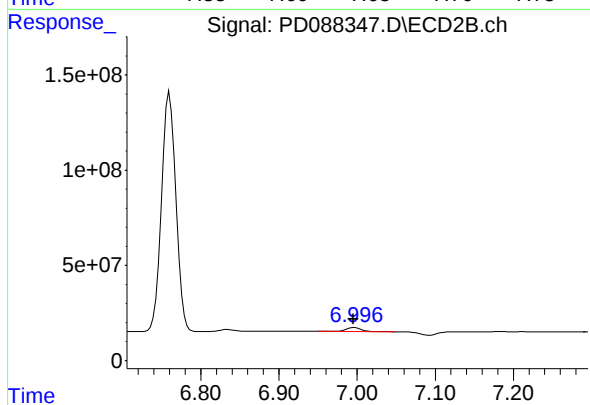
#20 Methoxychlor

R.T.: 6.760 min
Delta R.T.: 0.001 min
Response: 1607991512
Conc: 176.29 ng/ml



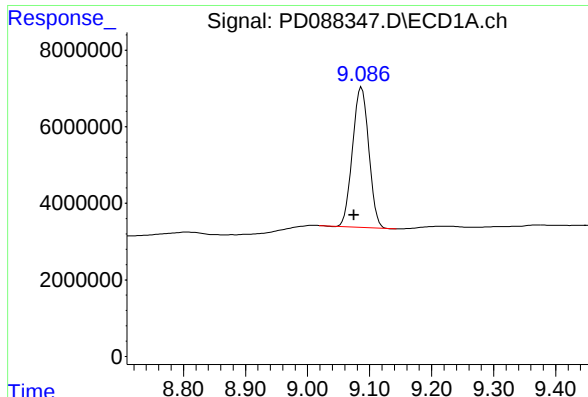
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.006 min
Response: 3845770
Conc: 1.25 ng/ml m



#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: 0.002 min
Response: 27773565
Conc: 1.48 ng/ml



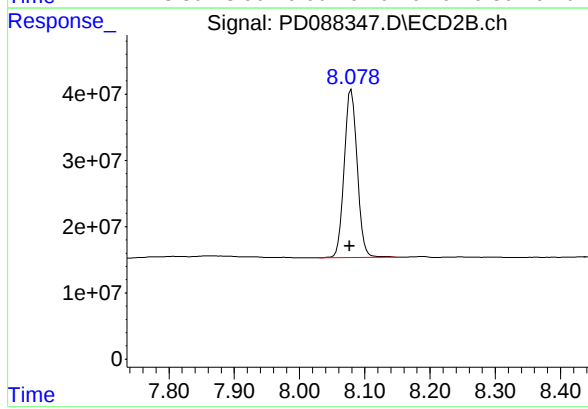
#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.012 min
Response: 66579372
Conc: 20.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.079 min
Delta R.T.: 0.002 min
Response: 352697662
Conc: 19.09 ng/ml