

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088605.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 15:49
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 04:39:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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...	3.551	2.882	44529897	323.1E6	20.580	21.359
28) SA Decachlor...	9.077	8.076	75939709	407.9E6	22.189	22.346
Target Compounds						
2) A alpha-BHC	4.000	3.394	44714607	265.9E6	9.361	11.124
3) MA gamma-BHC...	4.331	3.731	44937590	248.0E6	9.763	11.191
6) B beta-BHC	4.516	4.027	18943064	112.1E6	10.506	11.507
14) MA Endrin	6.577	5.792	179.6E6	988.7E6	52.576	51.271
16) A 4,4'-DDD	6.704	5.934	625296	6044462	0.225m	0.348m#
17) MA 4,4'-DDT	7.024	6.186	325.1E6	1808.6E6	104.124	99.719
18) B Endrin al...	6.922	6.258	683873	9163217	0.266	0.658m#
20) A Methoxychlor	7.497	6.757	400.1E6	1969.4E6	239.500	205.688
21) B Endrin ke...	7.632	6.992	1578408	11306023	0.461m	0.584m#

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

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Acq On : 19 May 2025 15:49
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

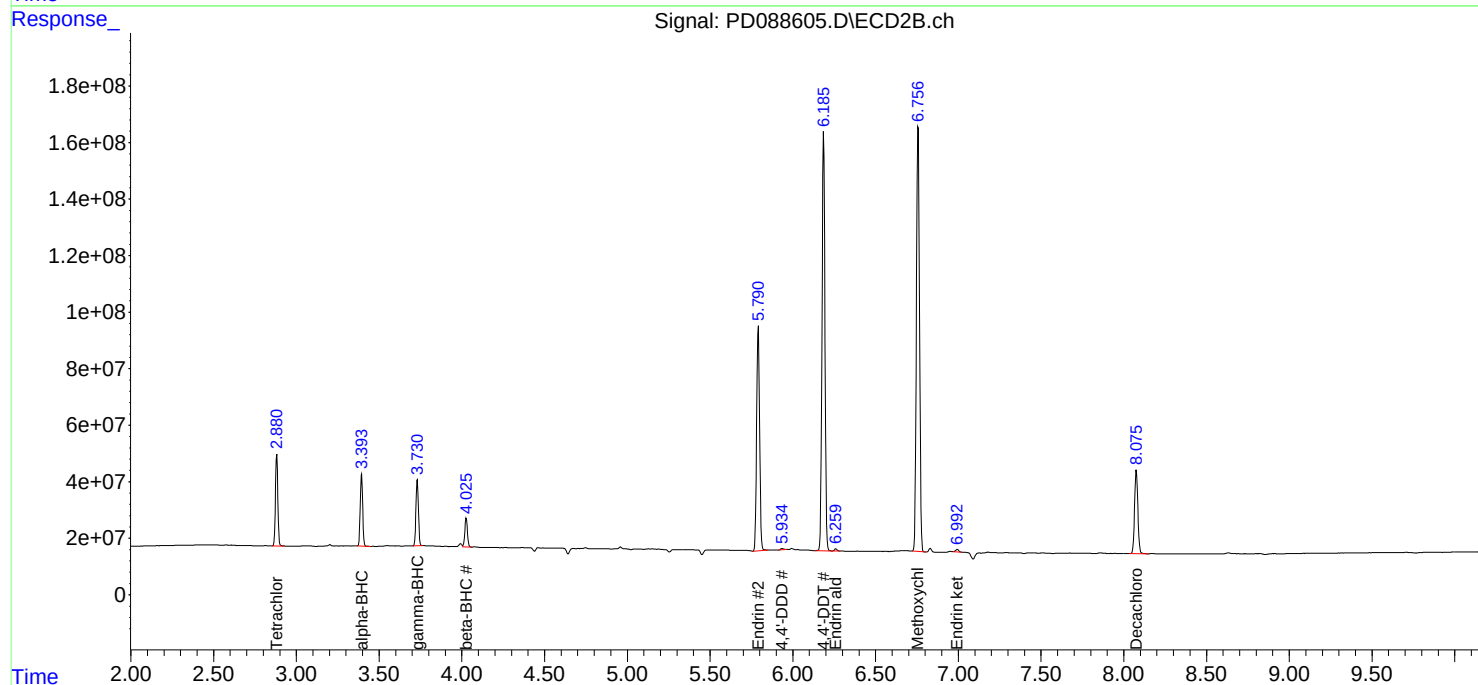
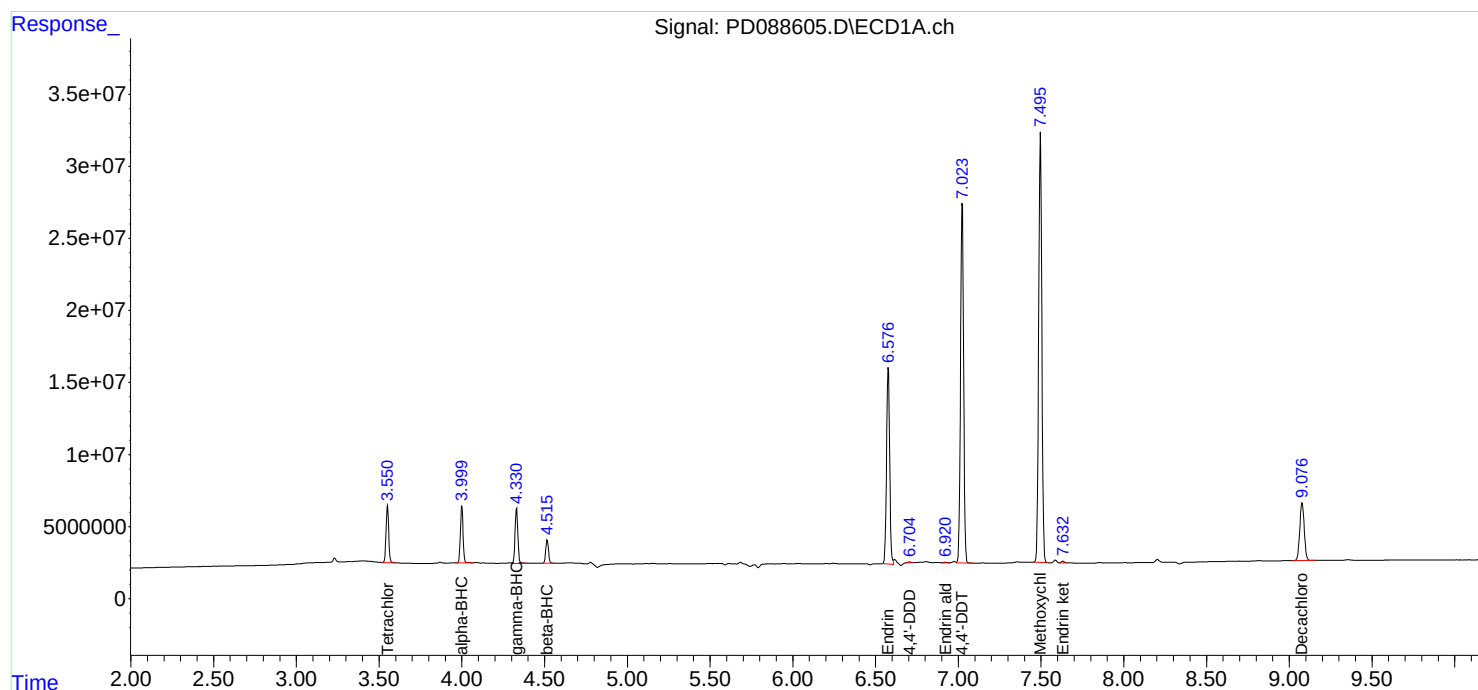
Instrument :
ECD_D
ClientSampleId :
PEM

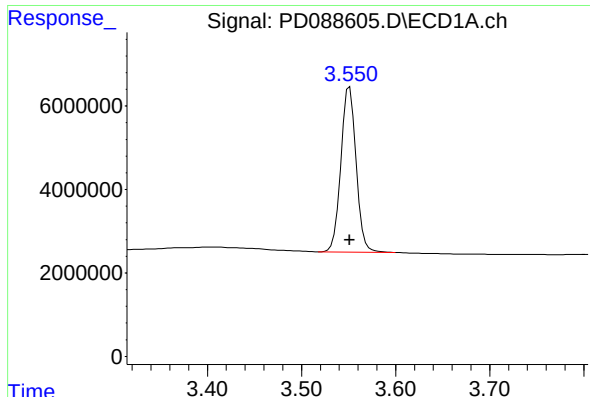
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 04:39:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
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Volume 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





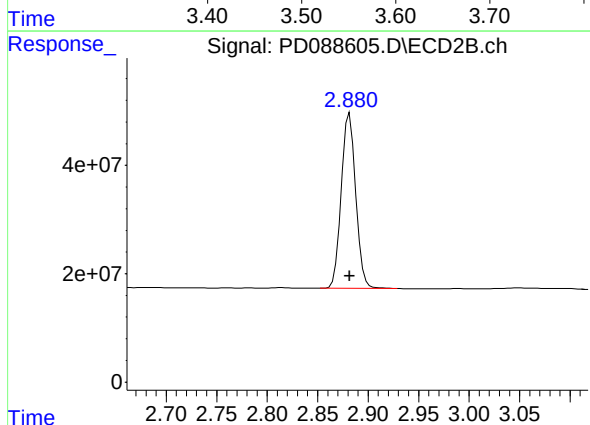
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 44529897
Conc: 20.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

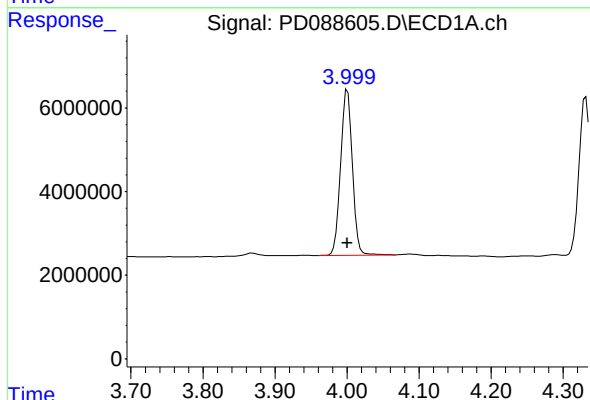
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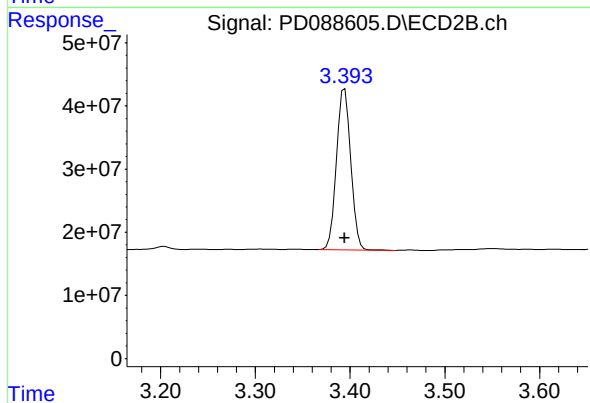
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 323089514
Conc: 21.36 ng/ml



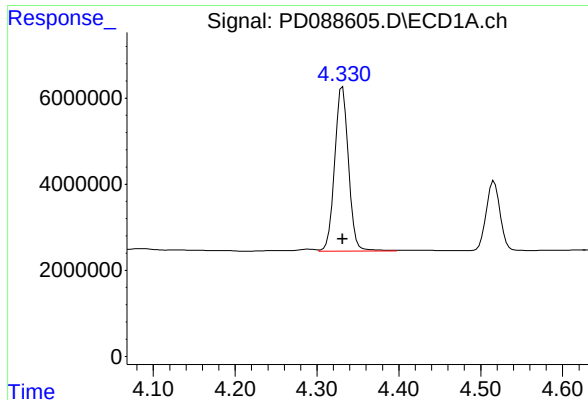
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 44714607
Conc: 9.36 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 265895140
Conc: 11.12 ng/ml



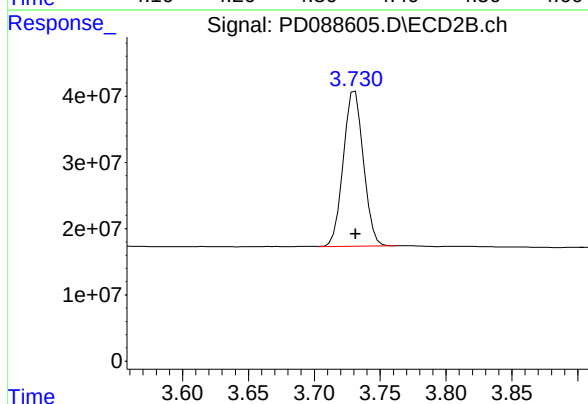
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 44937590
Conc: 9.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

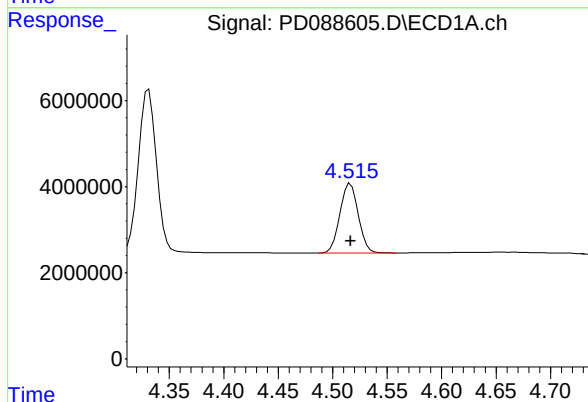
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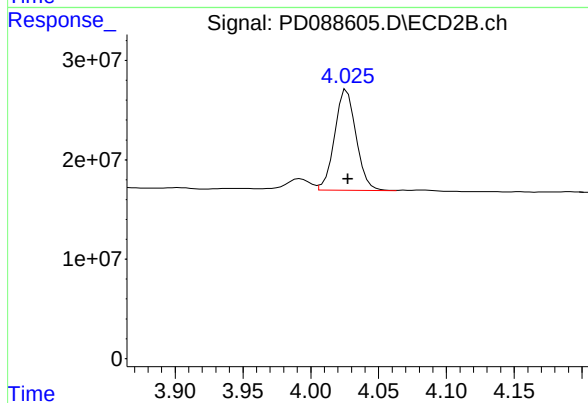
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 248045836
Conc: 11.19 ng/ml



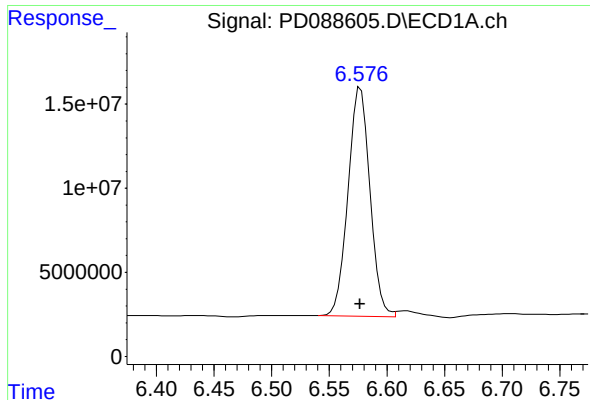
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 18943064
Conc: 10.51 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 112099985
Conc: 11.51 ng/ml



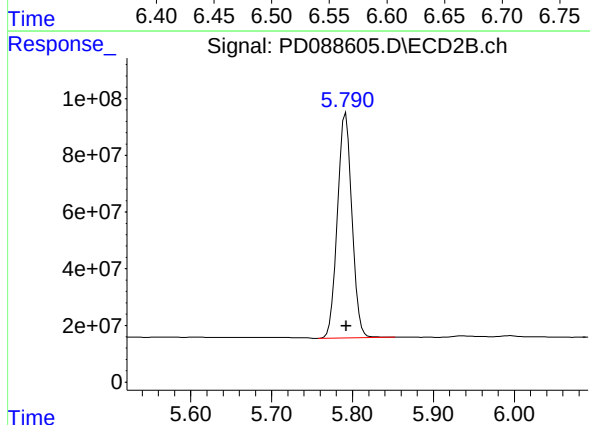
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 179557630
Conc: 52.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

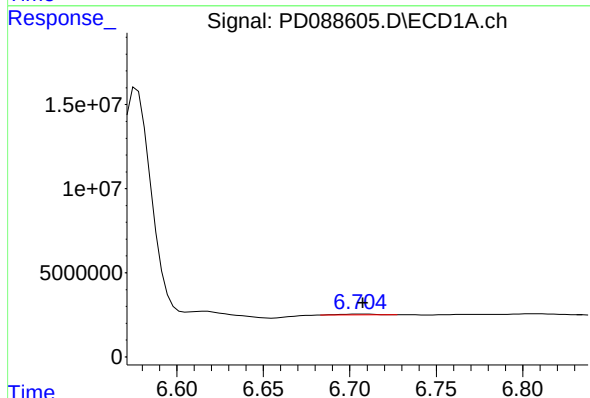
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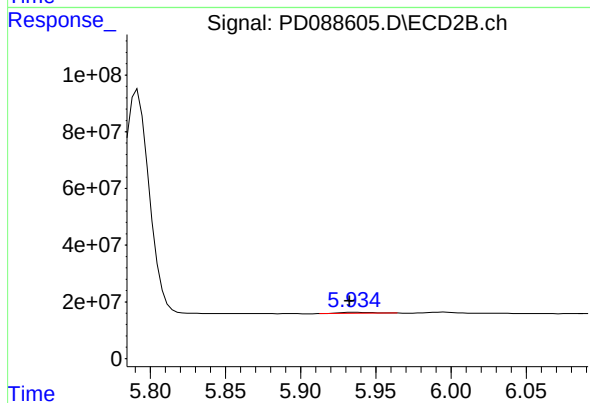
#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 988716239
Conc: 51.27 ng/ml



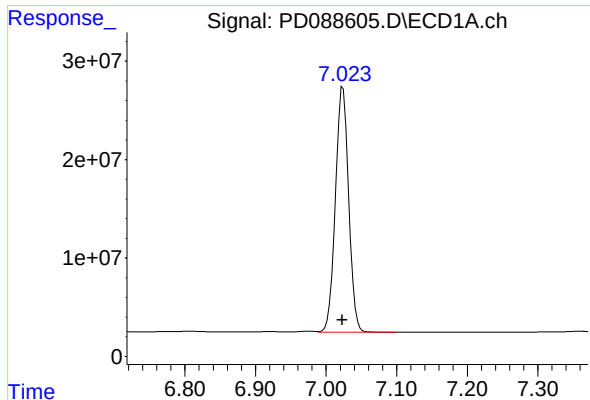
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 625296
Conc: 0.22 ng/ml m



#16 4,4'-DDD

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 6044462
Conc: 0.35 ng/ml m



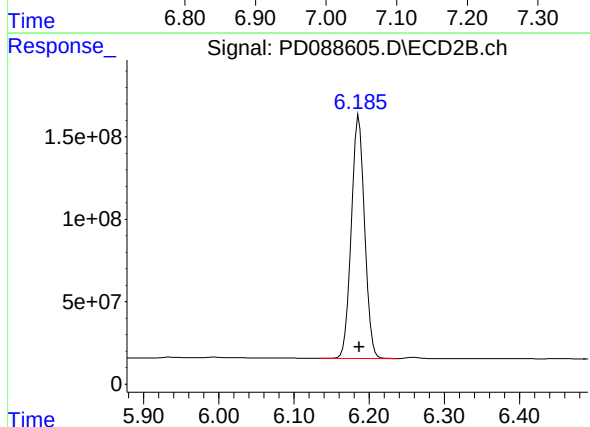
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 325080411
Conc: 104.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

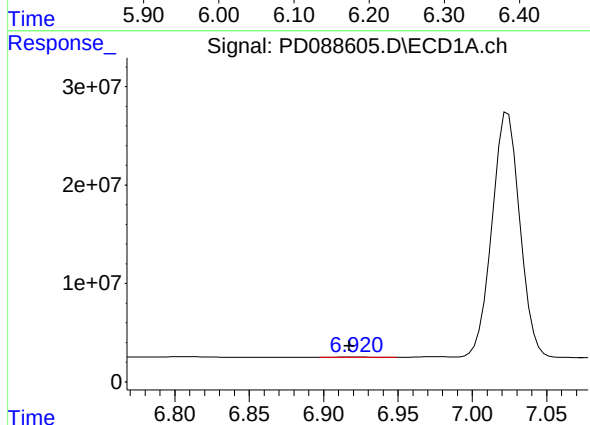
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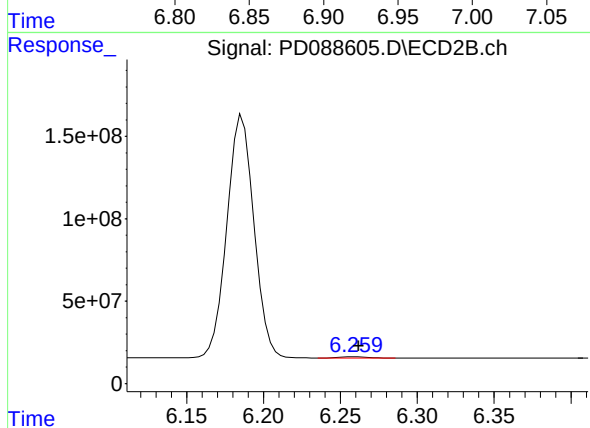
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 1808639095
Conc: 99.72 ng/ml



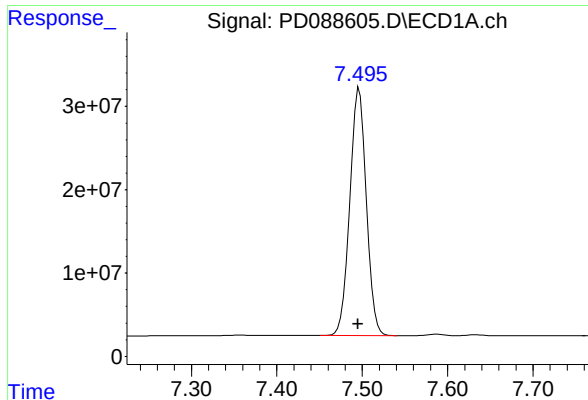
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.004 min
Response: 683873
Conc: 0.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 9163217
Conc: 0.66 ng/ml m



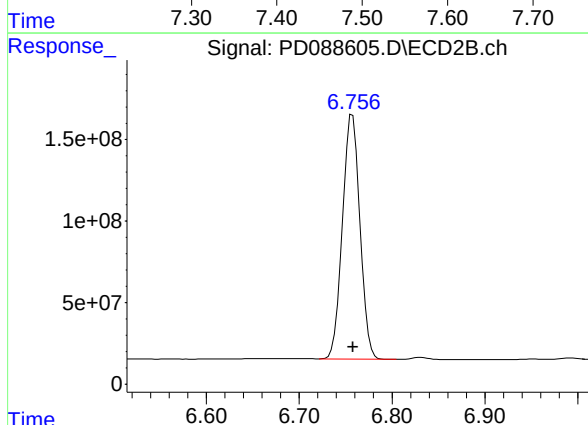
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.001 min
Response: 400097256
Conc: 239.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

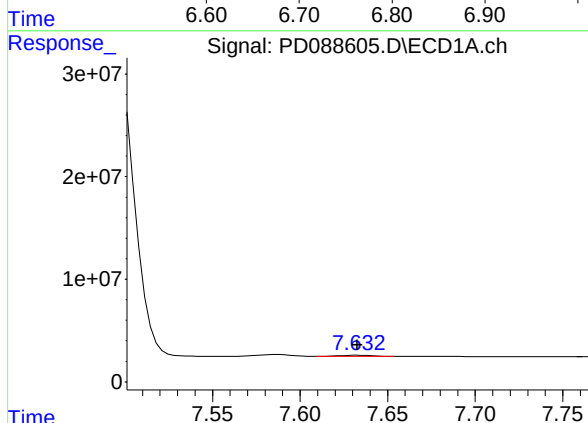
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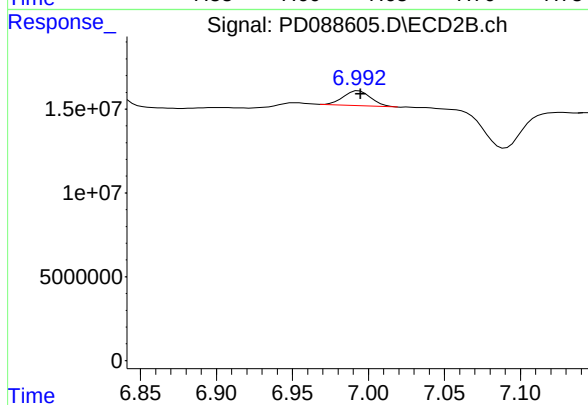
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 1969418433
Conc: 205.69 ng/ml



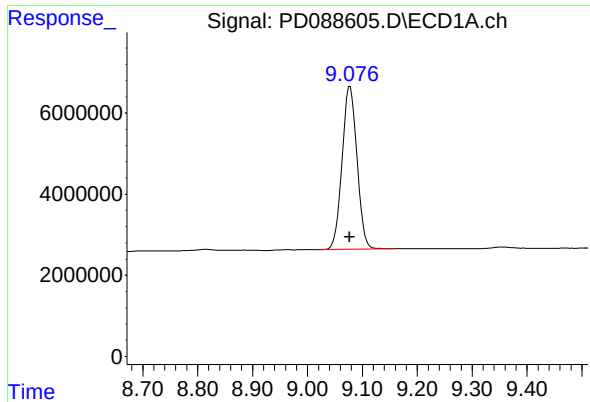
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 1578408
Conc: 0.46 ng/ml m



#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 11306023
Conc: 0.58 ng/ml m



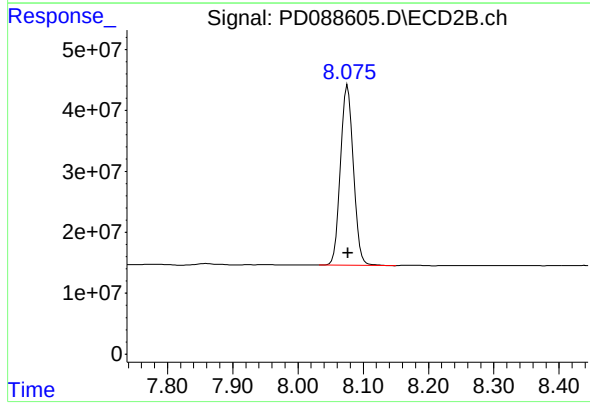
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 75939709
Conc: 22.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 407949741
Conc: 22.35 ng/ml