

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
 Data File : PD088433.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 May 2025 16:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 09 02:04:08 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...	3.550	2.882	45278956	330.3E6	22.669	22.591
28)	SA Decachlor...	9.076	8.075	81700977	442.3E6	24.697	23.935
Target Compounds							
2)	A alpha-BHC	3.999	3.394	44822008	270.4E6	10.395	11.827
3)	MA gamma-BHC...	4.331	3.731	44445079	253.9E6	10.614	11.788
6)	B beta-BHC	4.516	4.027	19138047	114.1E6	11.789	12.326
14)	MA Endrin	6.576	5.791	175.7E6	1012.8E6	58.898	55.640
16)	A 4,4'-DDD	6.705	5.938	1447209	11148738	0.575m	0.680
17)	MA 4,4'-DDT	7.023	6.186	330.7E6	1836.5E6	119.048	107.923
18)	B Endrin al...	6.918	6.260	338695	10452820	0.147m	0.786 #
20)	A Methoxychlor	7.495	6.757	408.4E6	2045.4E6	272.324	224.251
21)	B Endrin ke...	7.630	6.991	1560532	13068469	0.506m	0.699m#

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

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Acq On : 08 May 2025 16:47
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

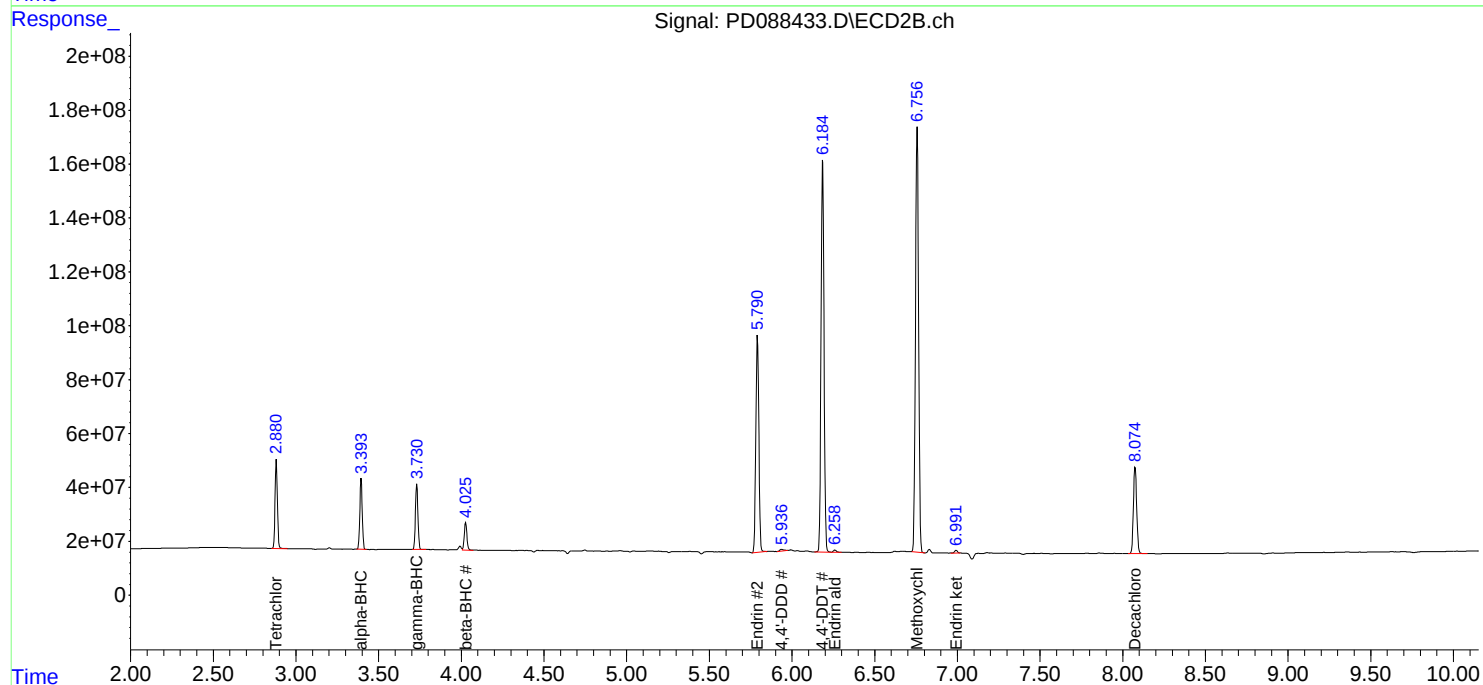
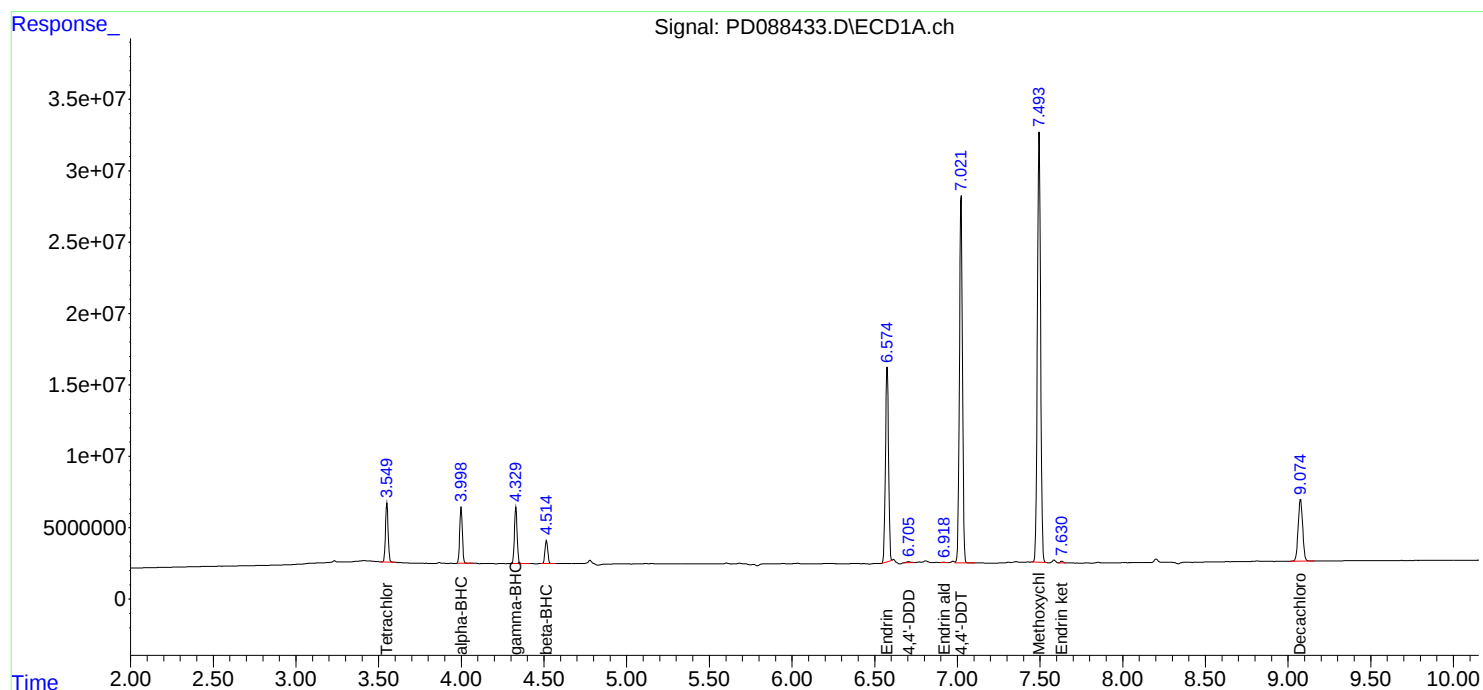
Instrument :
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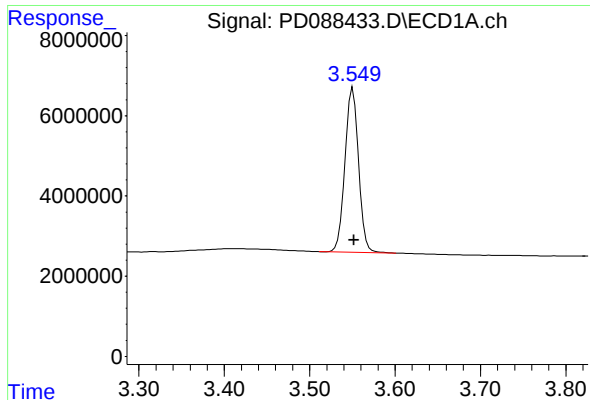
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Integration File signal 1: autoint1.e
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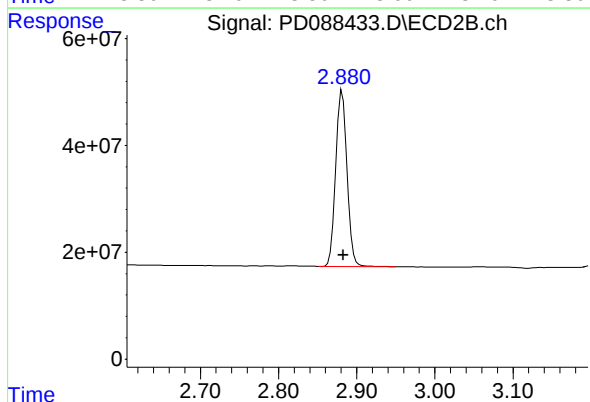
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 45278956
Conc: 22.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

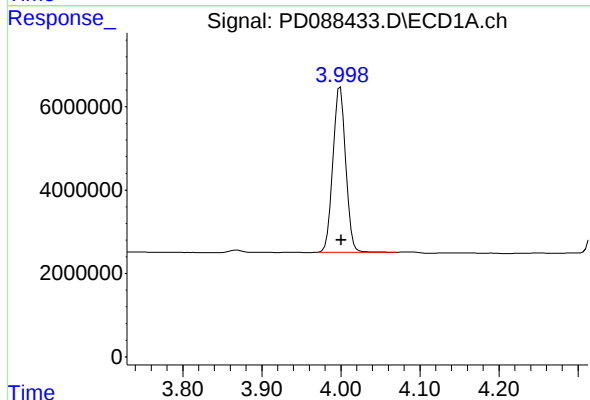
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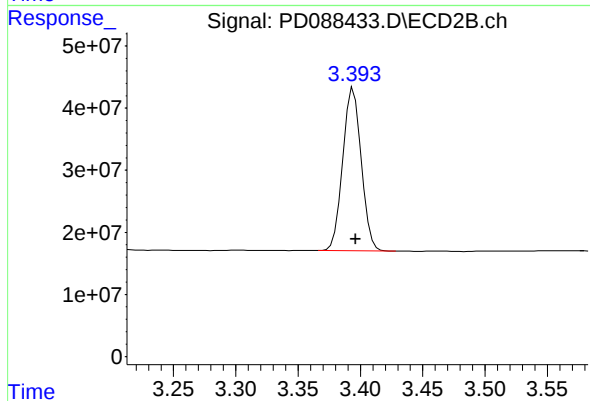
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 330309751
Conc: 22.59 ng/ml



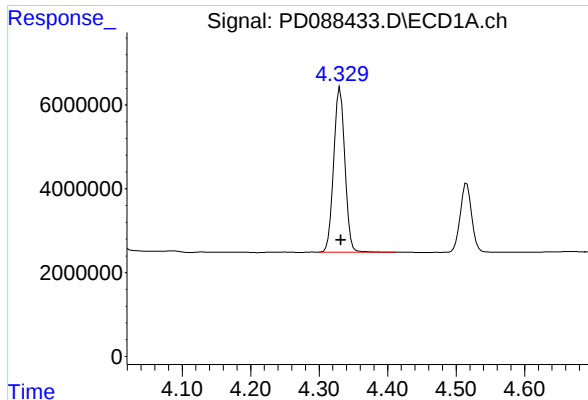
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.002 min
Response: 44822008
Conc: 10.39 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 270372556
Conc: 11.83 ng/ml



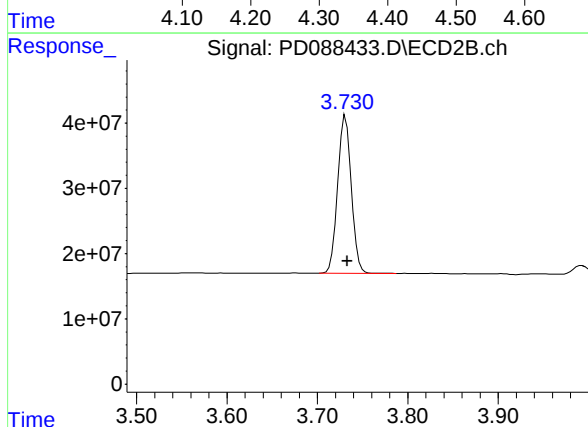
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 44445079
Conc: 10.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

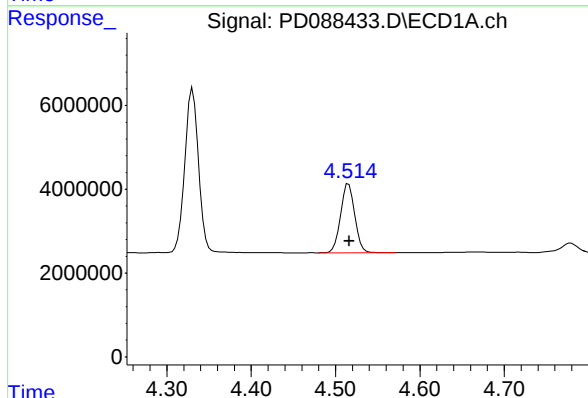
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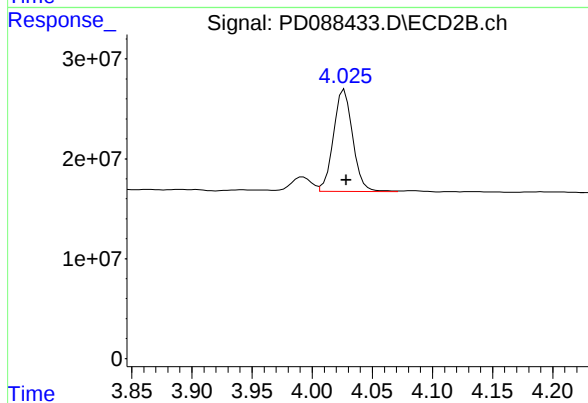
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 253904547
Conc: 11.79 ng/ml



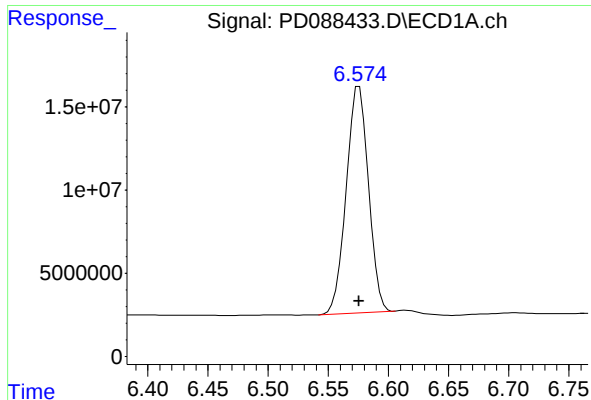
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 19138047
Conc: 11.79 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 114065043
Conc: 12.33 ng/ml



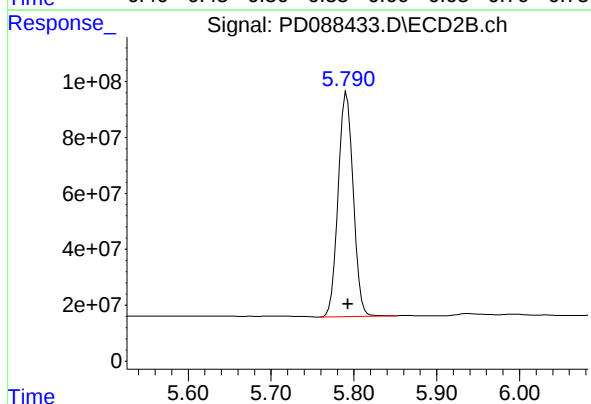
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 175665713
Conc: 58.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

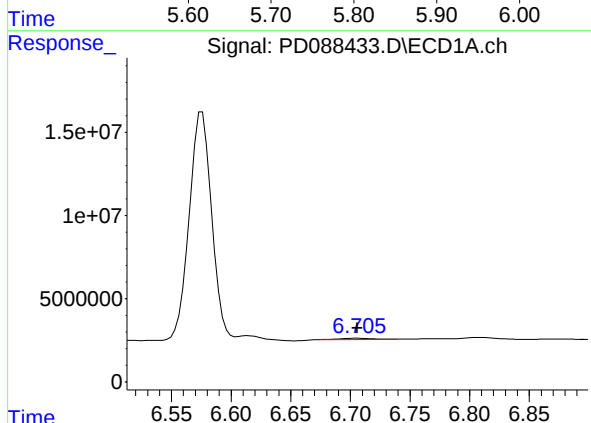
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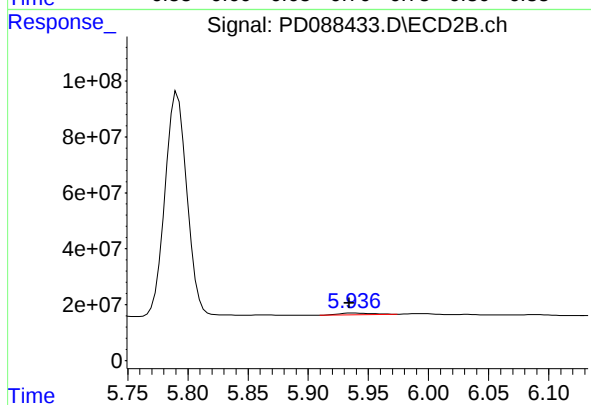
#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 1012783780
Conc: 55.64 ng/ml



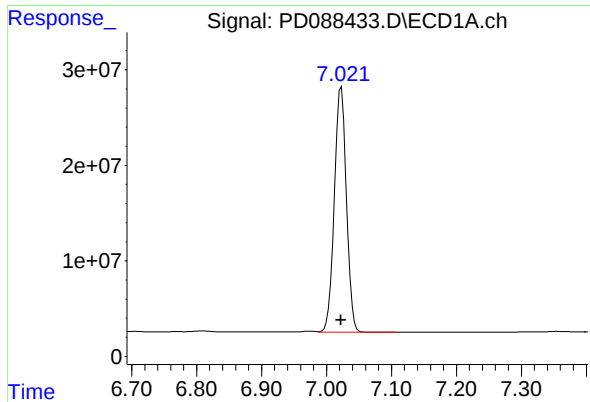
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 1447209
Conc: 0.58 ng/ml m



#16 4,4'-DDD

R.T.: 5.938 min
Delta R.T.: 0.004 min
Response: 11148738
Conc: 0.68 ng/ml



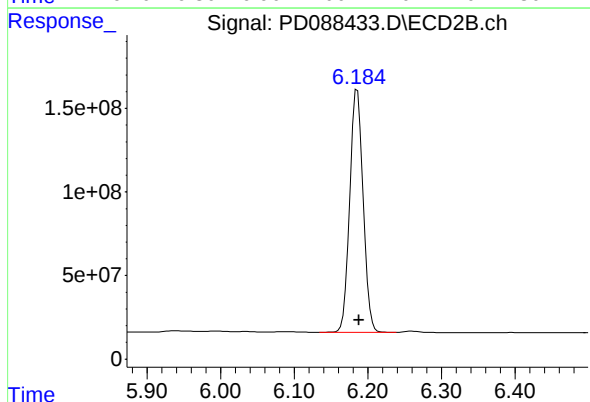
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 330660647
Conc: 119.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

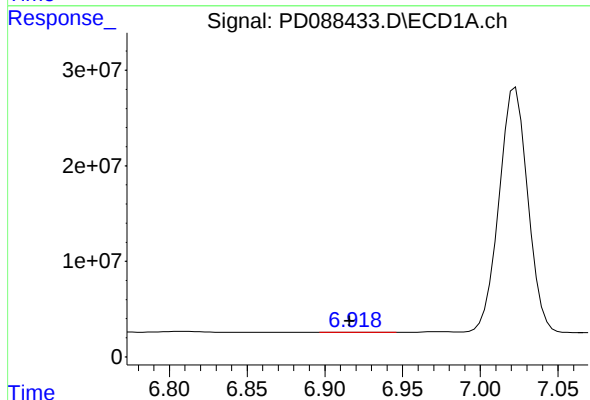
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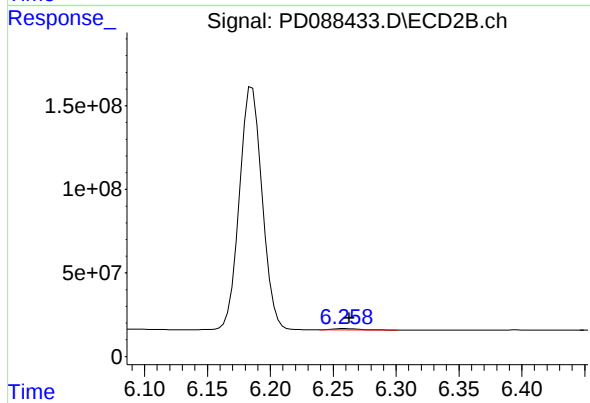
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 1836476698
Conc: 107.92 ng/ml



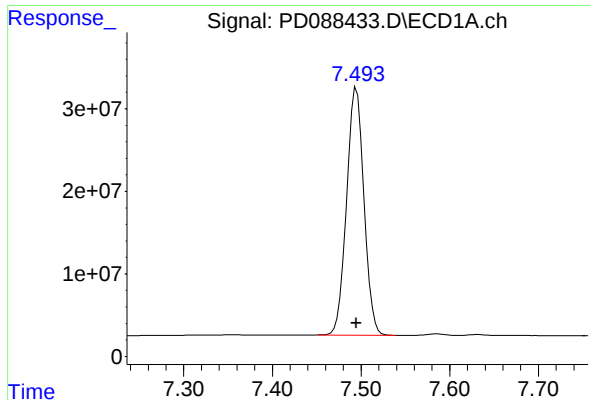
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.002 min
Response: 338695
Conc: 0.15 ng/ml m



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 10452820
Conc: 0.79 ng/ml



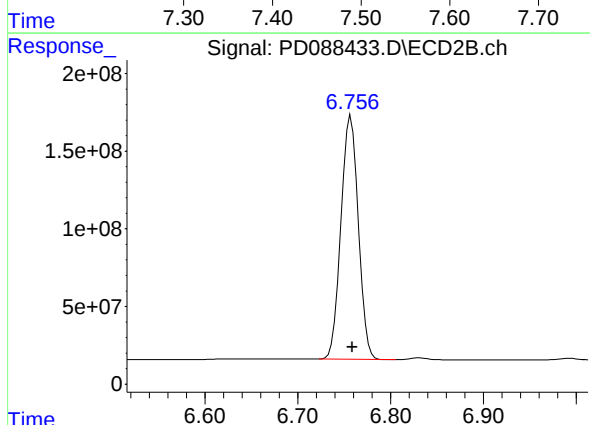
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 408361790
Conc: 272.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

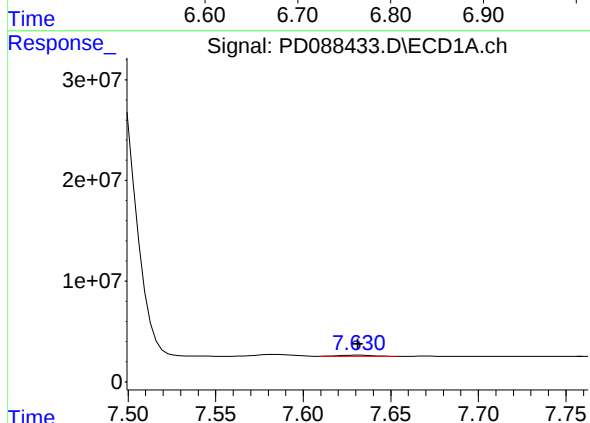
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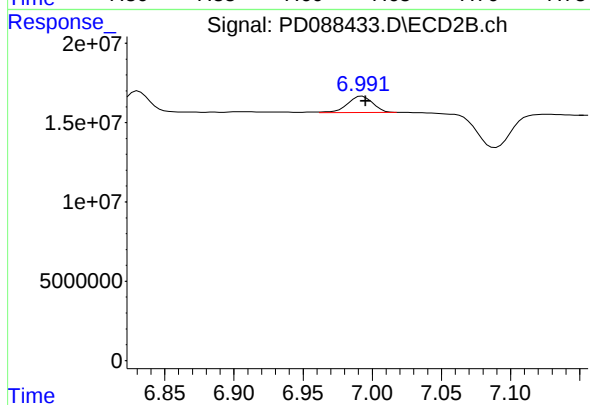
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 2045409999
Conc: 224.25 ng/ml



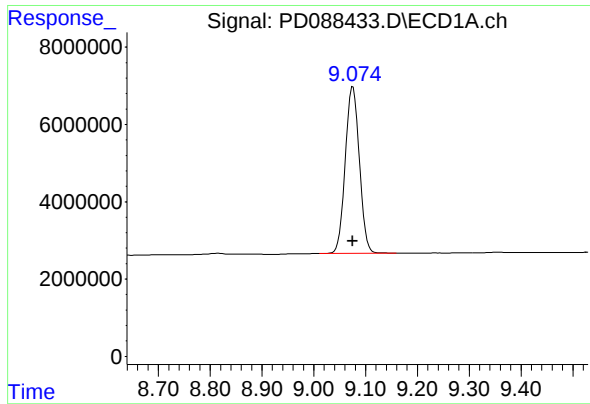
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 1560532
Conc: 0.51 ng/ml m



#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 13068469
Conc: 0.70 ng/ml m



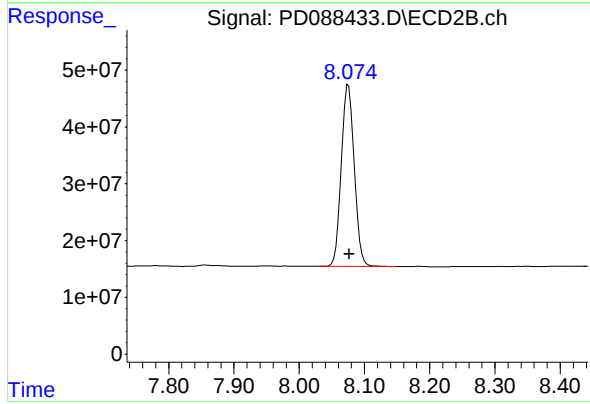
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 81700977
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 442309599
Conc: 23.94 ng/ml