

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
 Data File : PD088321.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 11:50
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:47:25 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...	3.551	2.881	44295799	312.6E6	22.177	21.378
28)	SA Decachlor...	9.075	8.075	70065316	366.9E6	21.180	19.854
Target Compounds							
2)	A alpha-BHC	4.000	3.394	43596023	253.0E6	10.110	11.066
3)	MA gamma-BHC...	4.331	3.731	44151214	238.2E6	10.544	11.057
6)	B beta-BHC	4.516	4.027	18839626	105.4E6	11.605	11.391
12)	B 4,4'-DDE	6.201	5.379	977697	2598544	0.296m	0.132m#
14)	MA Endrin	6.575	5.791	167.3E6	906.5E6	56.105	49.801
16)	A 4,4'-DDD	6.705	5.932	7013922	49725425	2.789	3.035
17)	MA 4,4'-DDT	7.022	6.186	291.7E6	1580.8E6	105.027	92.896
18)	B Endrin al...	6.919	6.258	1106759	9162988	0.480	0.689m#
20)	A Methoxychlor	7.494	6.757	361.8E6	1708.9E6	241.280	187.361
21)	B Endrin ke...	7.630	6.993	3069288	22272170	0.994m	1.191

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

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Data File : PD088321.D
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Acq On : 29 Apr 2025 11:50
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

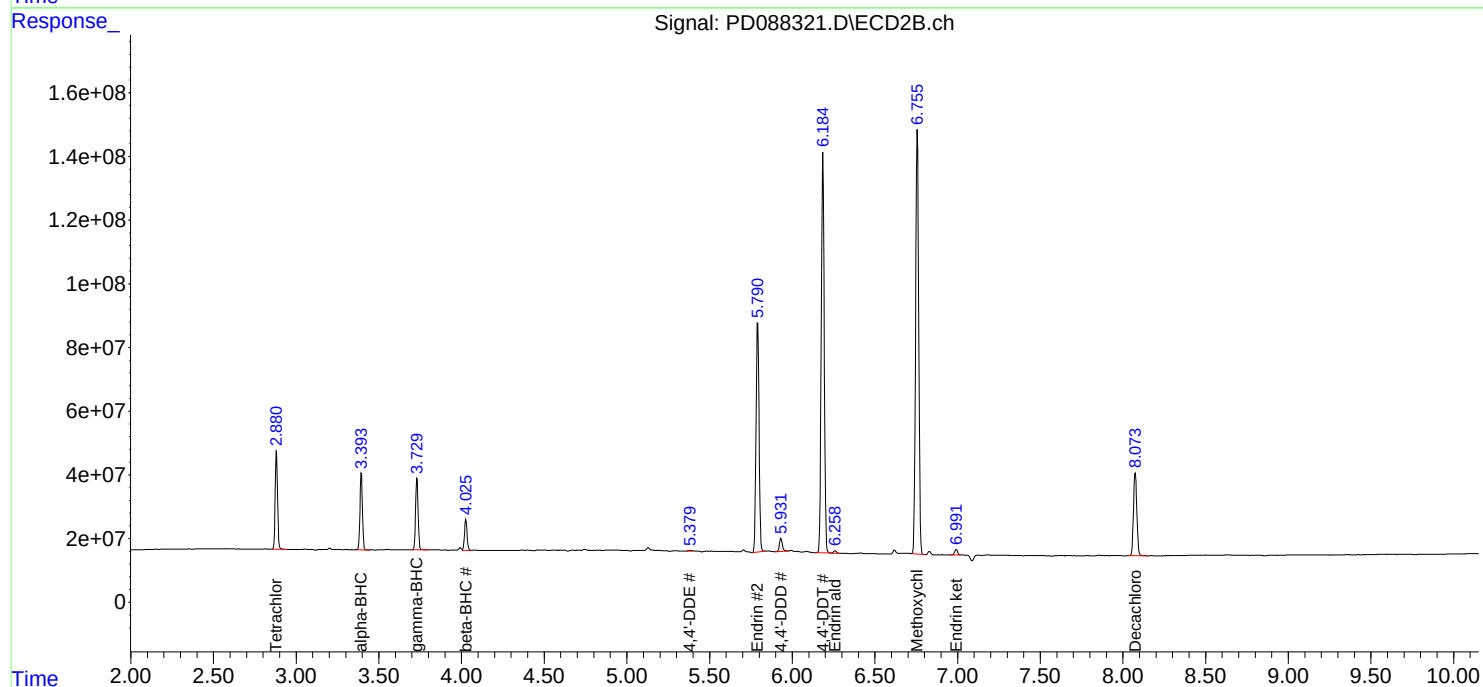
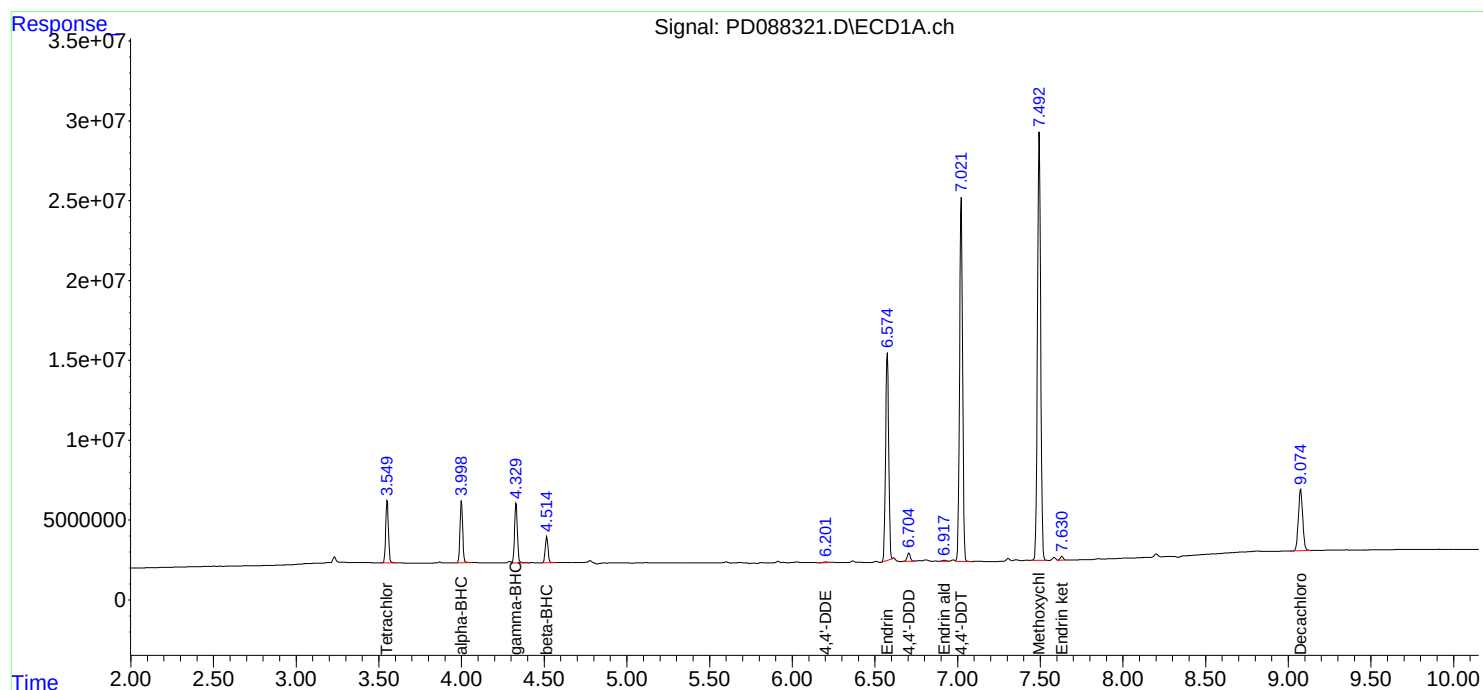
Instrument :
ECD_D
ClientSampleId :
PEM

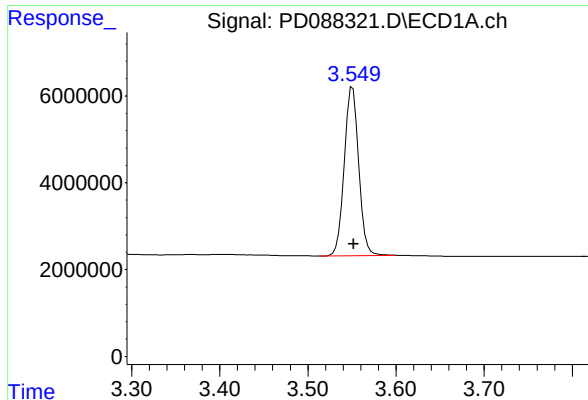
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
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Volume 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





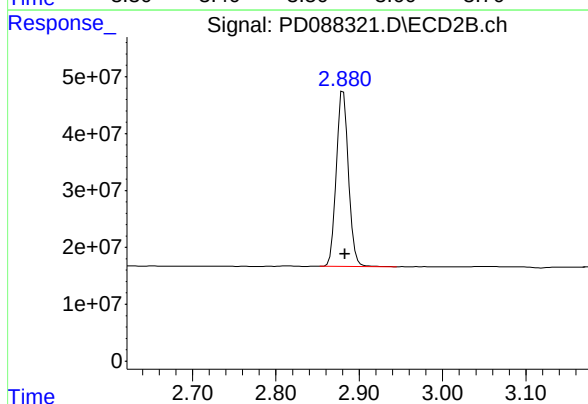
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 44295799
Conc: 22.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

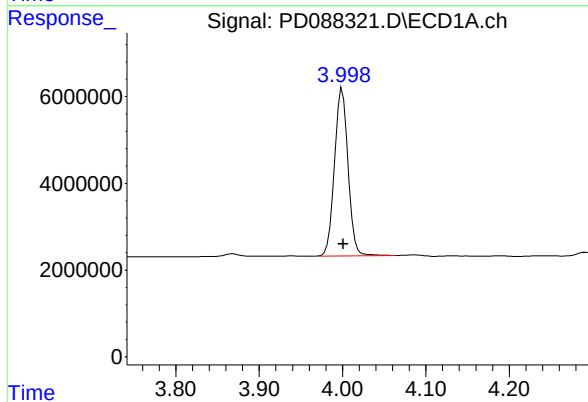
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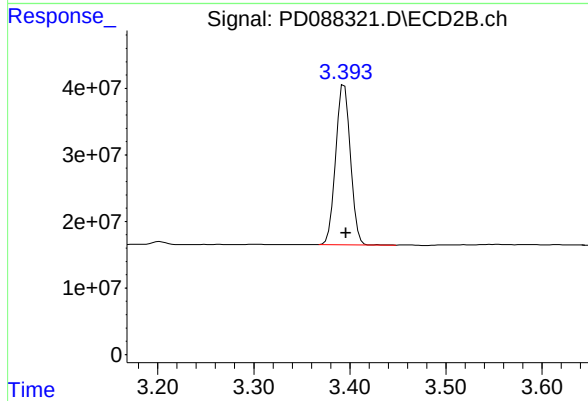
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 312581390
Conc: 21.38 ng/ml



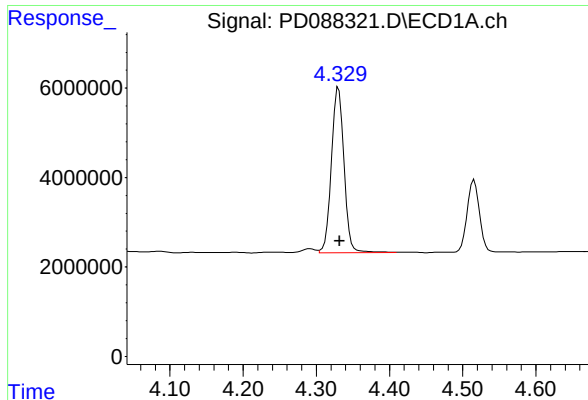
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: -0.001 min
Response: 43596023
Conc: 10.11 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 252976229
Conc: 11.07 ng/ml



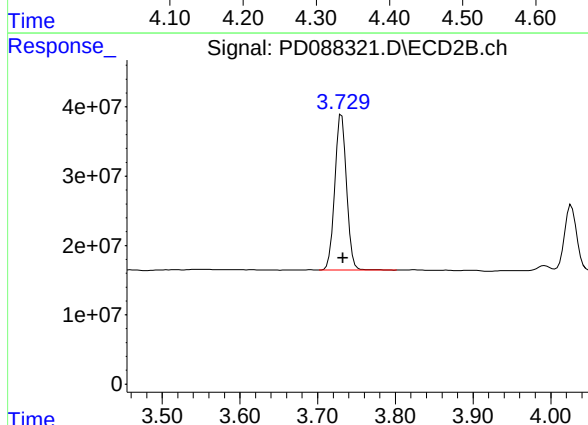
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 44151214
Conc: 10.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

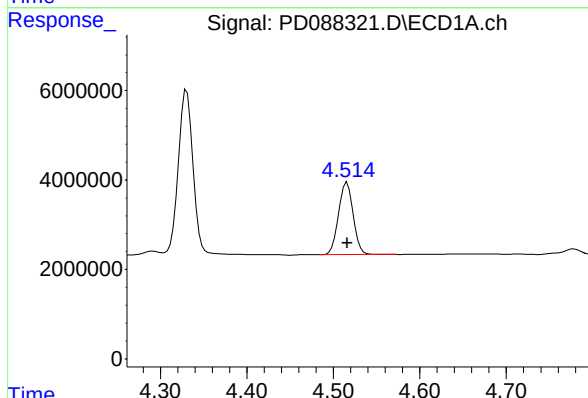
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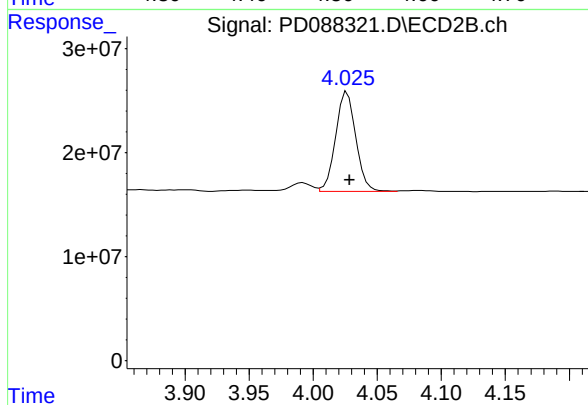
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 238151903
Conc: 11.06 ng/ml



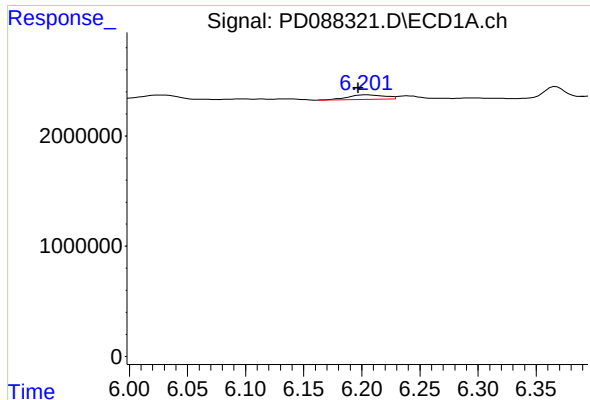
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 18839626
Conc: 11.61 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 105413285
Conc: 11.39 ng/ml



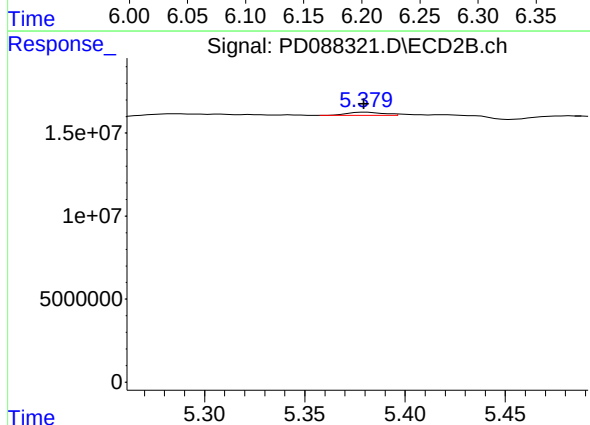
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.004 min
Response: 977697
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

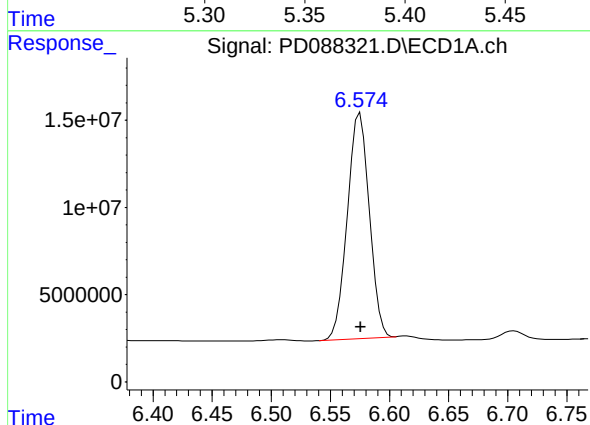
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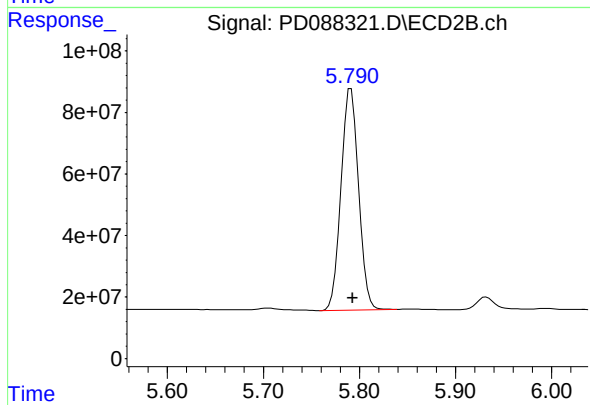
#12 4,4'-DDE

R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 2598544
Conc: 0.13 ng/ml



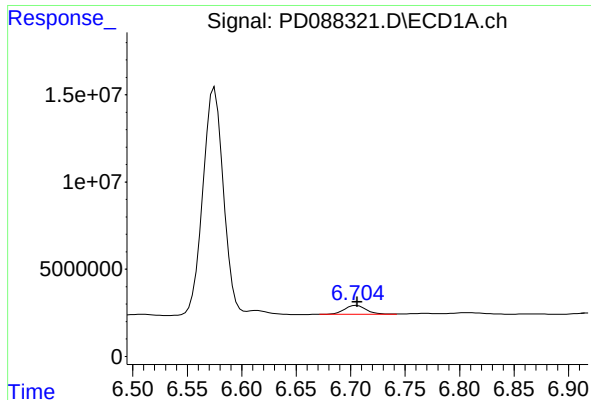
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 167337387
Conc: 56.11 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 906490299
Conc: 49.80 ng/ml



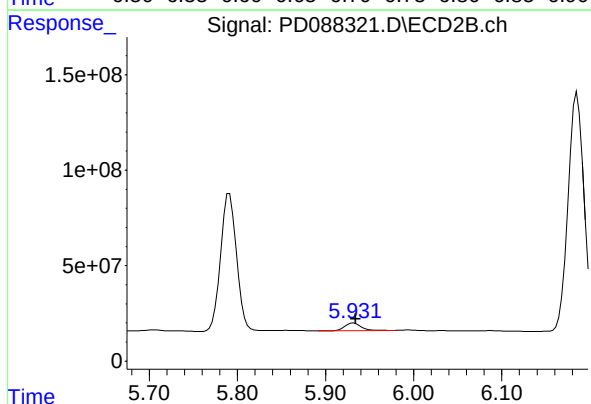
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 7013922
Conc: 2.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

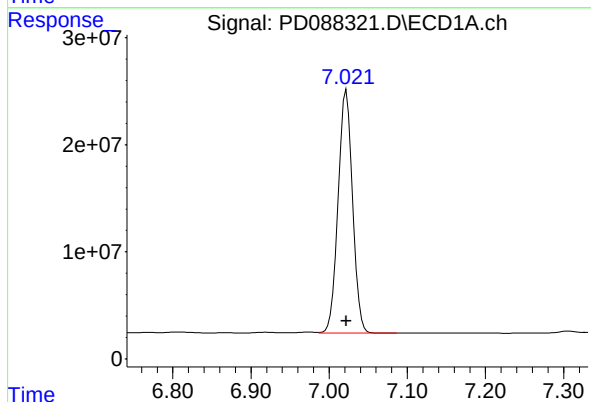
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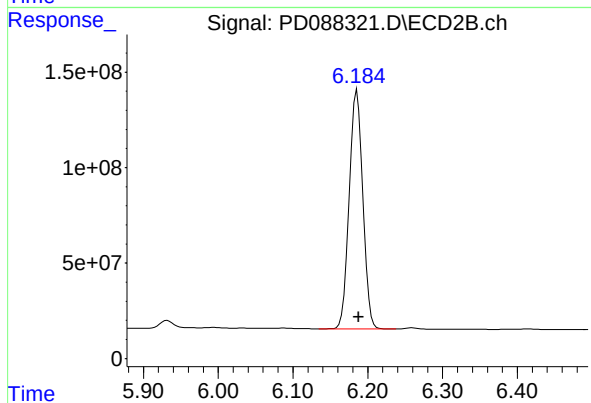
#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 49725425
Conc: 3.03 ng/ml



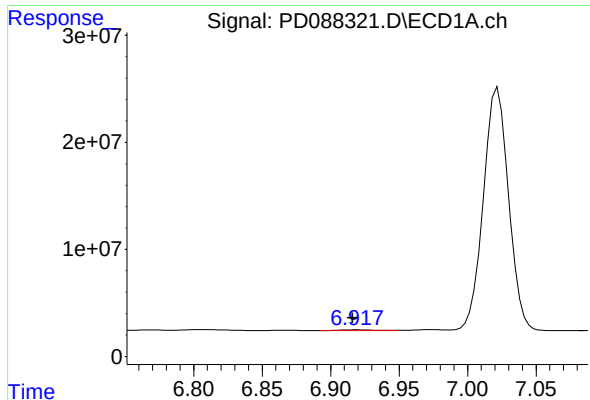
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 291716493
Conc: 105.03 ng/ml



#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 1580763326
Conc: 92.90 ng/ml



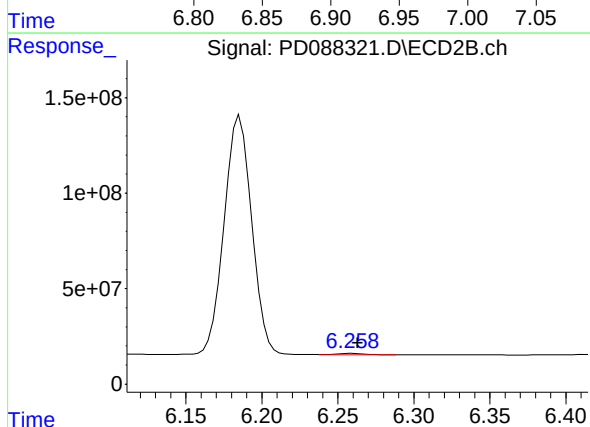
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.003 min
Response: 1106759
Conc: 0.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

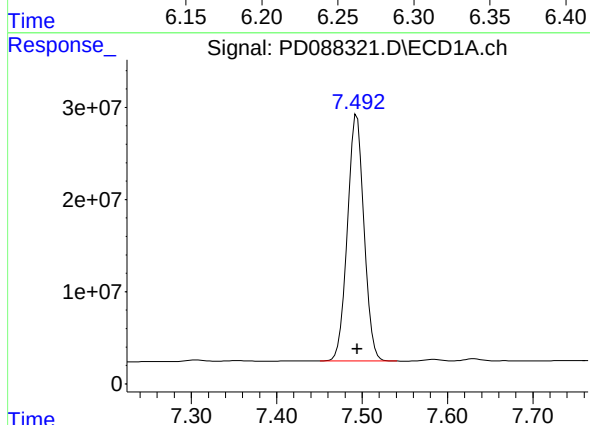
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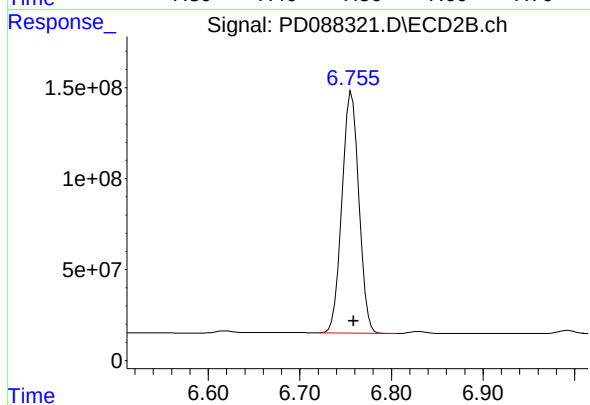
#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.005 min
Response: 9162988
Conc: 0.69 ng/ml



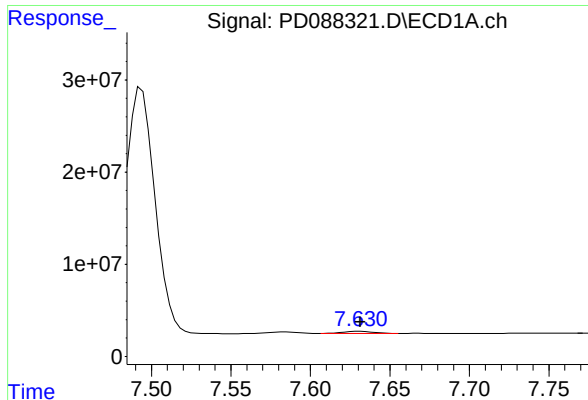
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 361810162
Conc: 241.28 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1708930573
Conc: 187.36 ng/ml



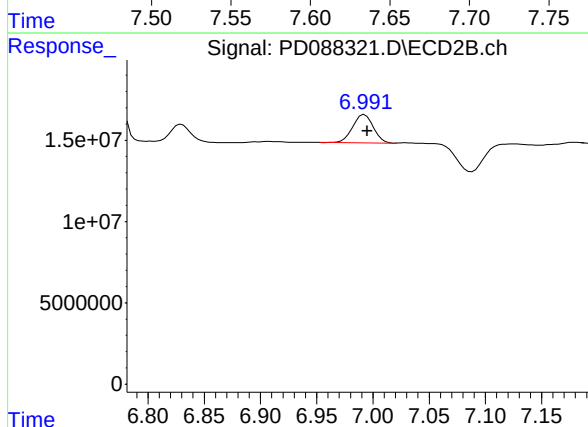
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 3069288
Conc: 0.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

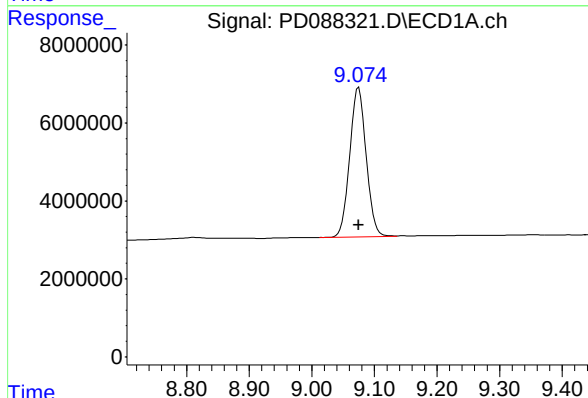
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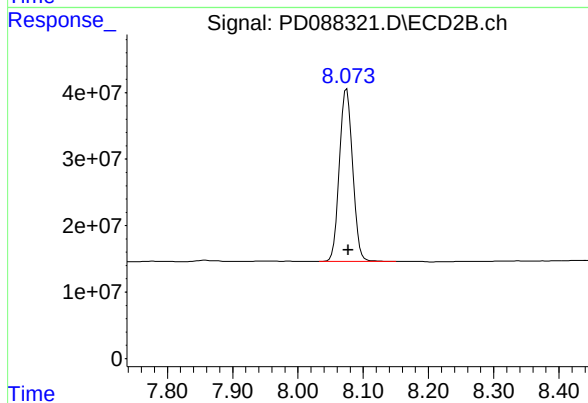
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.003 min
Response: 22272170
Conc: 1.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 70065316
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 366886964
Conc: 19.85 ng/ml