

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088991.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 15:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:45:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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	2.880	56676201	346.6E6	19.865	20.443
28)	SA Decachlor...	9.071	8.072	84217746	421.0E6	21.442	21.293
Target Compounds							
2)	A alpha-BHC	3.999	3.393	52304160	283.3E6	8.973	10.573
3)	MA gamma-BHC...	4.330	3.729	52036875	261.9E6	9.323	10.578
6)	B beta-BHC	4.514	4.025	21456971	115.6E6	9.722m	10.754
14)	MA Endrin	6.574	5.789	207.3E6	1096.4E6	50.256	50.492
16)	A 4,4'-DDD	6.701	5.931	603821	5602244	0.176m	0.293m#
17)	MA 4,4'-DDT	7.020	6.183	381.9E6	1948.4E6	100.821	96.080
18)	B Endrin al...	6.918	6.256	451112	9421924	0.147m	0.615m#
20)	A Methoxychlor	7.493	6.754	464.5E6	2141.4E6	229.876	198.863
21)	B Endrin ke...	7.627	6.989	1470511	10658868	0.361m	0.493m#

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

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Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

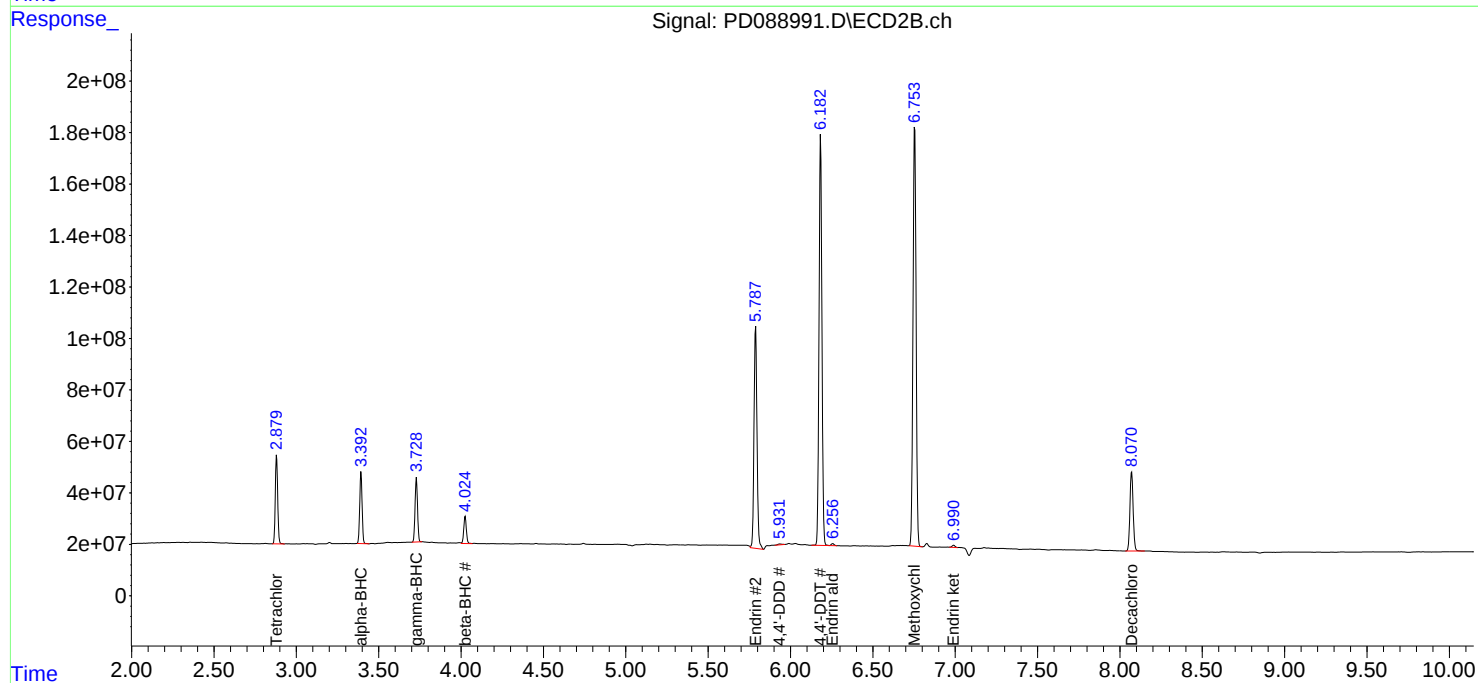
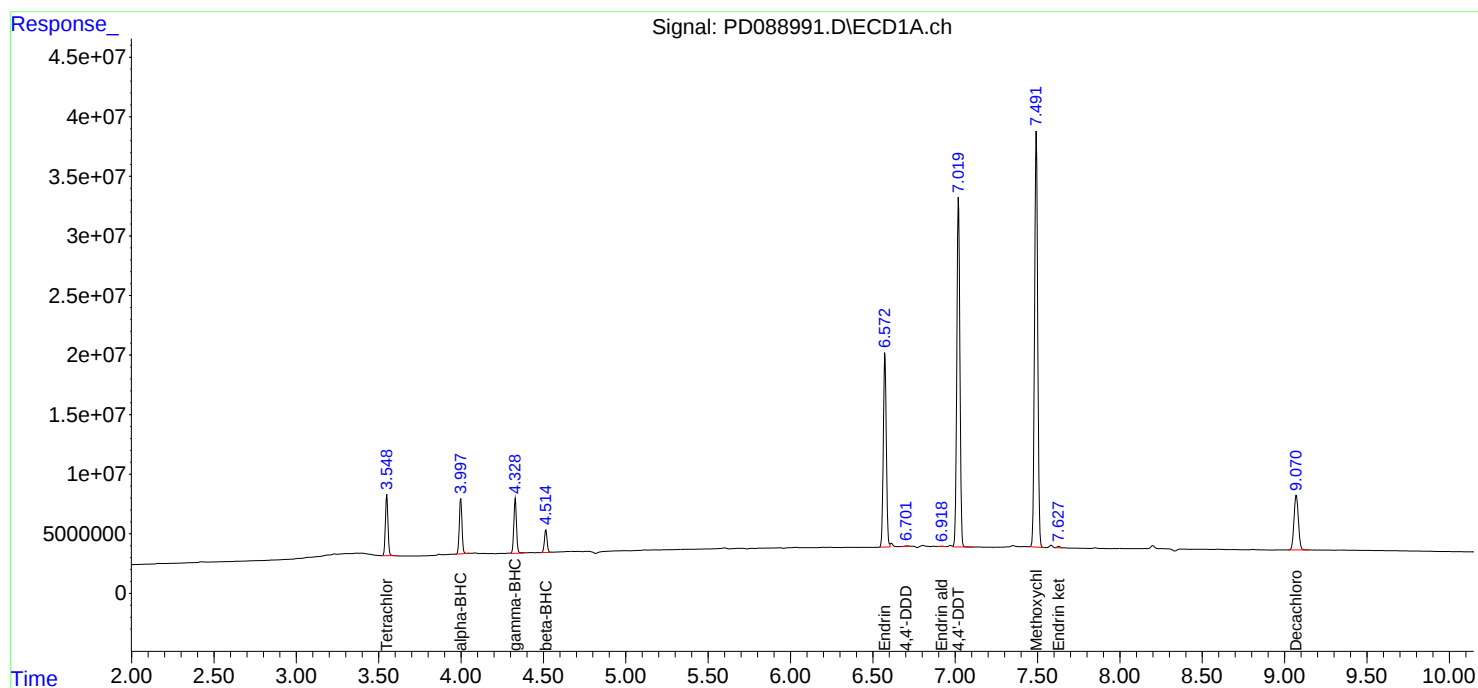
Instrument :
ECD_D
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PEM

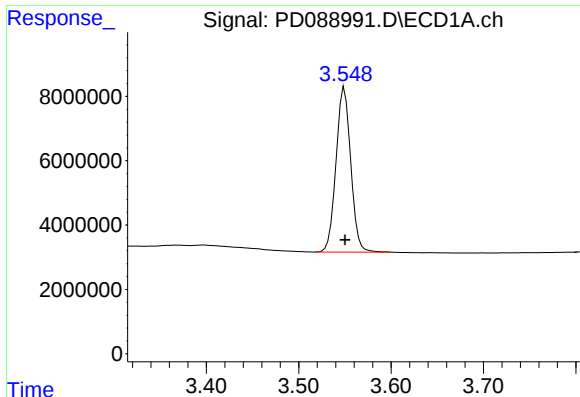
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
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Volume 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 x 0.25µm





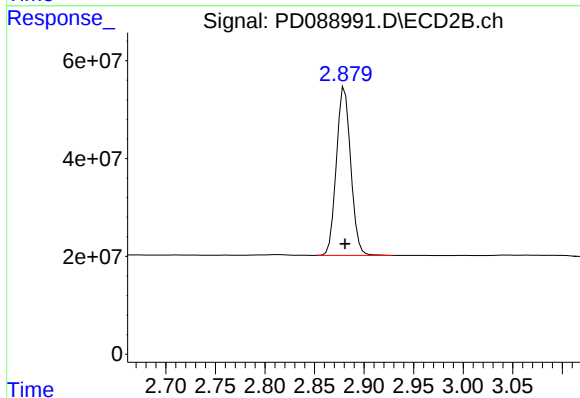
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56676201
Conc: 19.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

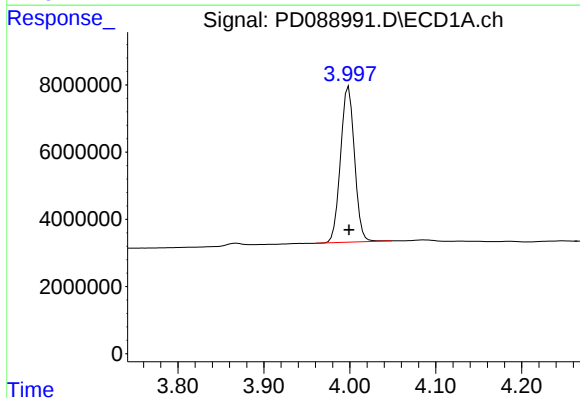
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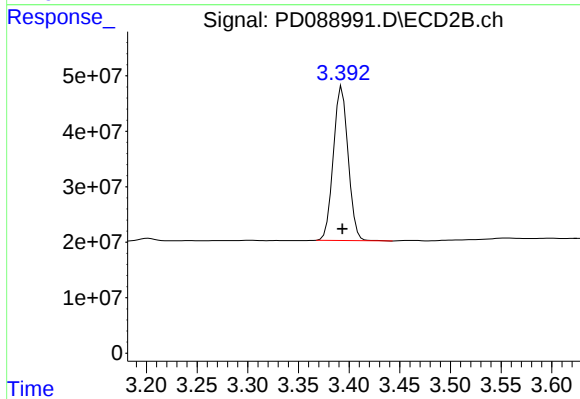
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 346582137
Conc: 20.44 ng/ml



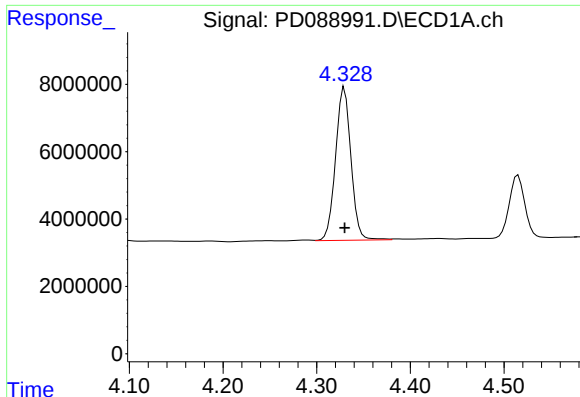
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 52304160
Conc: 8.97 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 283316605
Conc: 10.57 ng/ml



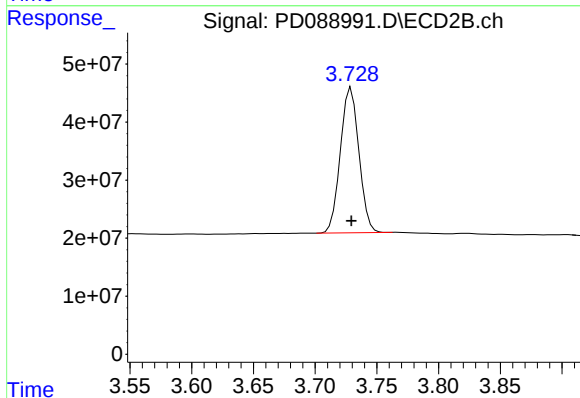
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 52036875
Conc: 9.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

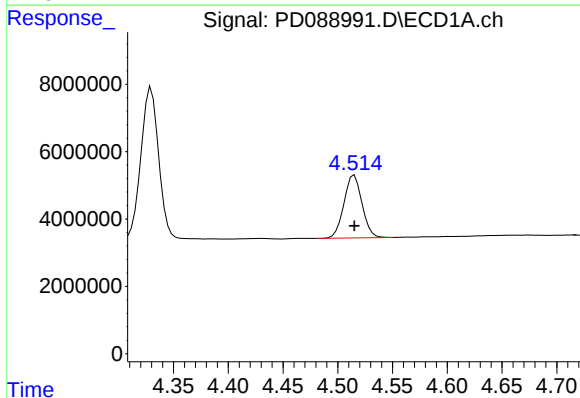
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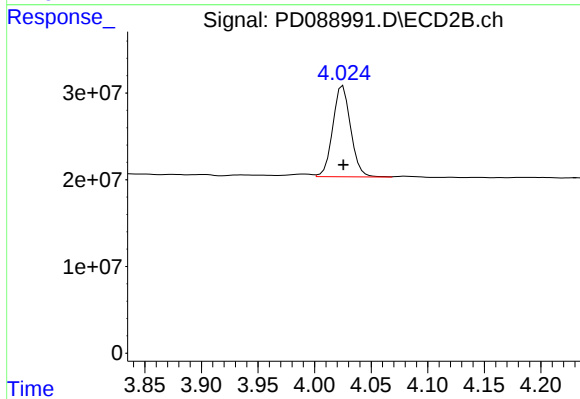
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 261889650
Conc: 10.58 ng/ml



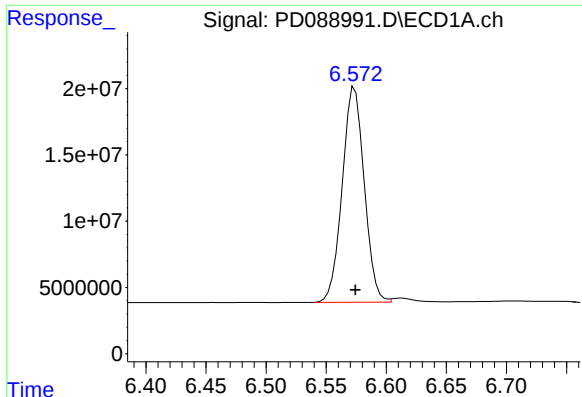
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 21456971
Conc: 9.72 ng/ml m



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 115562298
Conc: 10.75 ng/ml



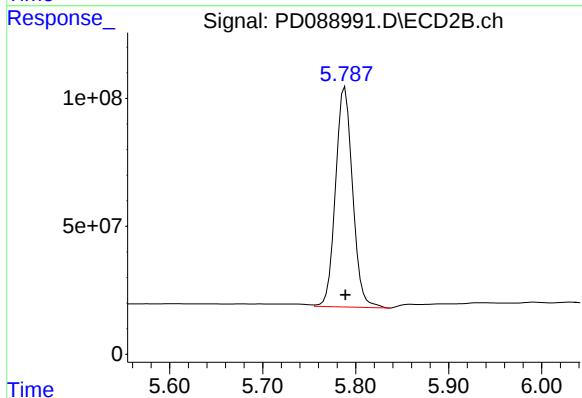
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 207333894
Conc: 50.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

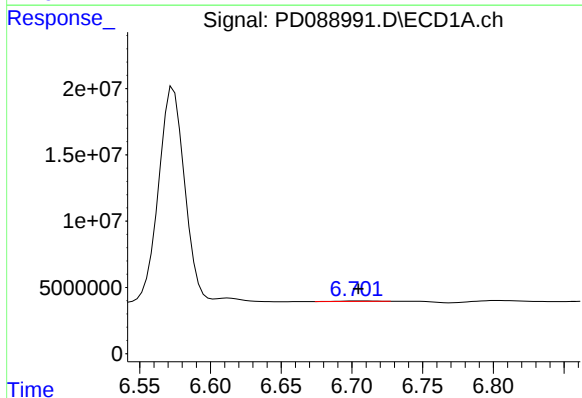
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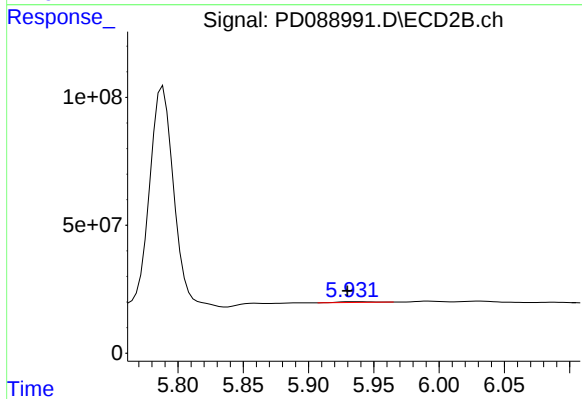
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1096382248
Conc: 50.49 ng/ml



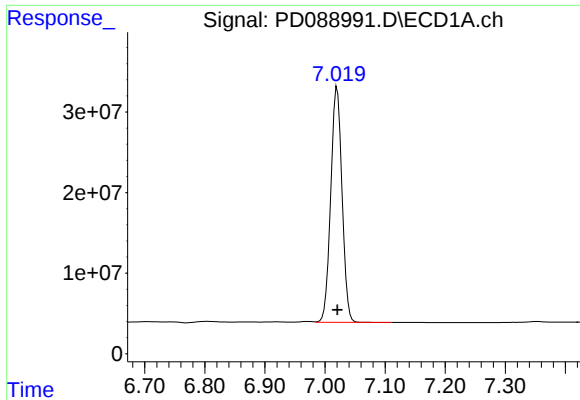
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.003 min
Response: 603821
Conc: 0.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.002 min
Response: 5602244
Conc: 0.29 ng/ml m



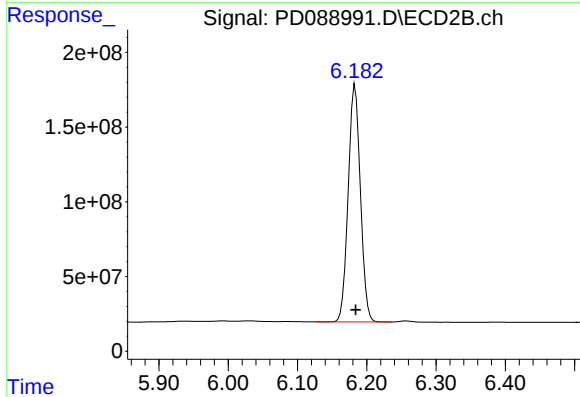
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 381930080
Conc: 100.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

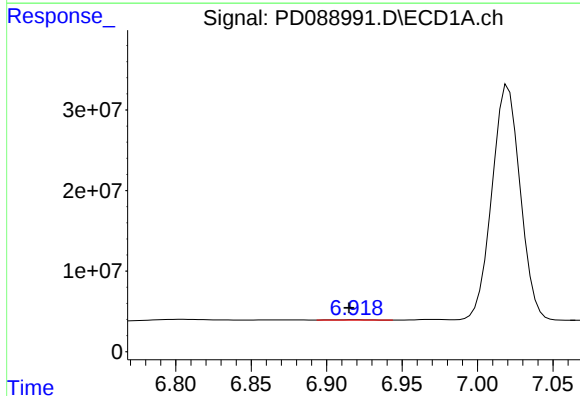
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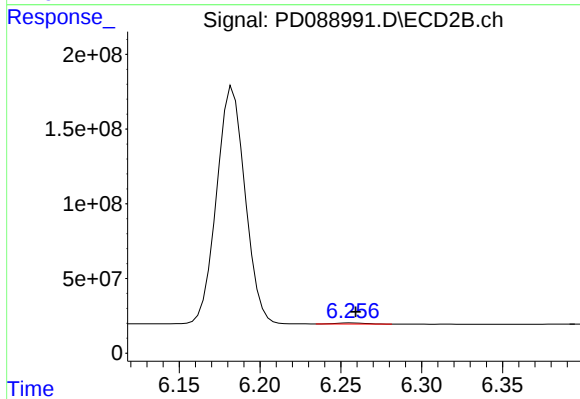
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1948442735
Conc: 96.08 ng/ml



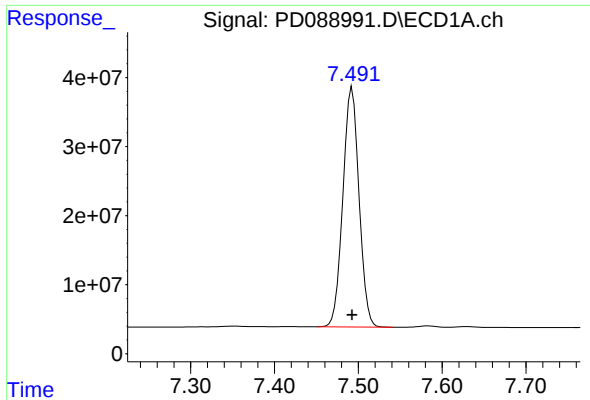
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 451112
Conc: 0.15 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 9421924
Conc: 0.62 ng/ml m



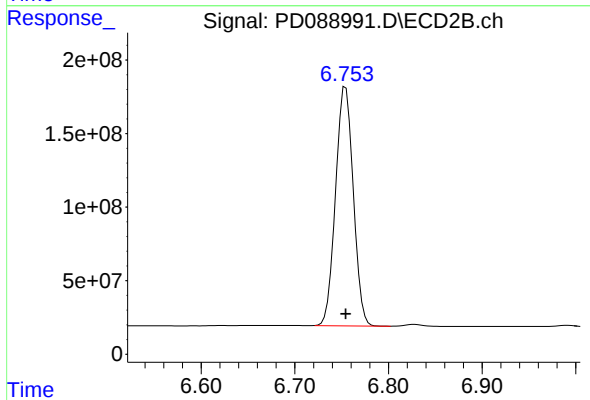
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 464493118
Conc: 229.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

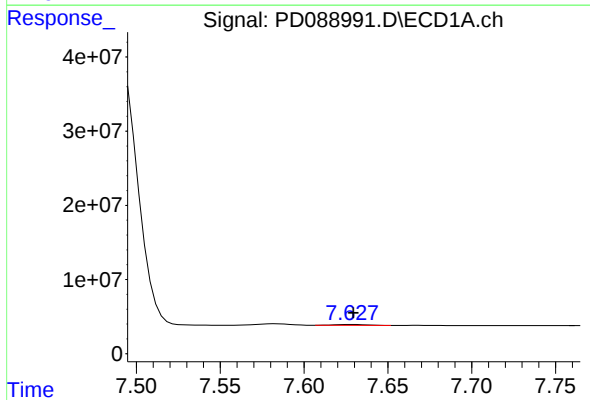
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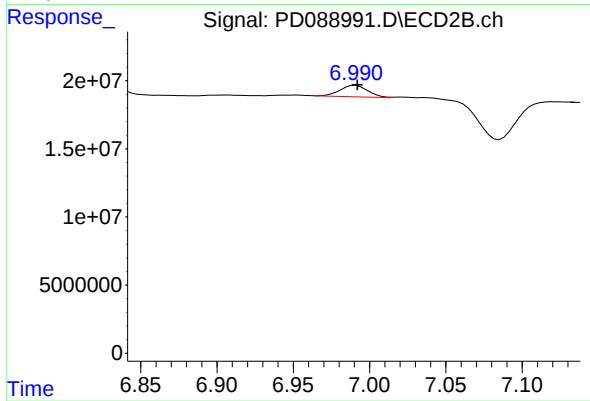
#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 2141368292
Conc: 198.86 ng/ml



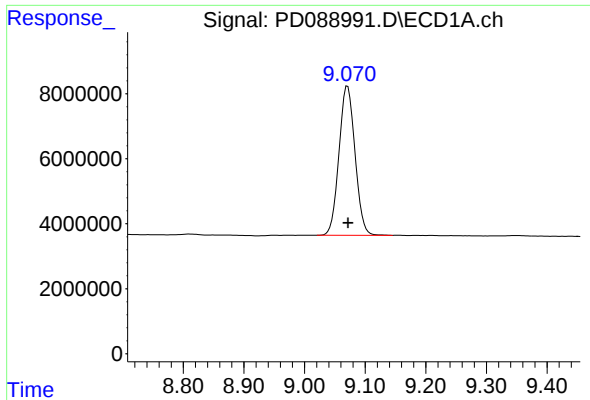
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 1470511
Conc: 0.36 ng/ml m



#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 10658868
Conc: 0.49 ng/ml m



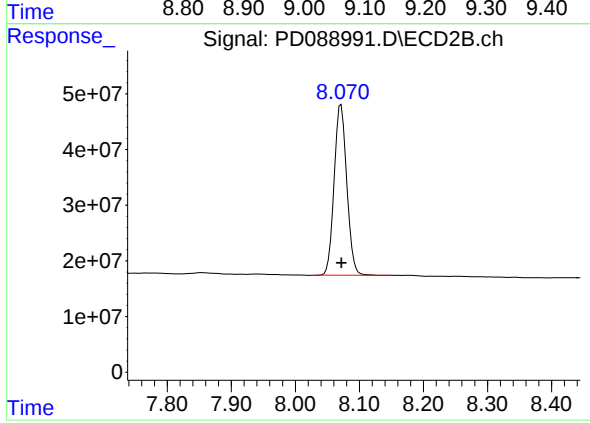
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 84217746
Conc: 21.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 420967077
Conc: 21.29 ng/ml