

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080725\
 Data File : PD089767.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2025 09:36
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/07/2025
 Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 03:06:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.555	2.877	49620256	374.9E6	20.117	23.673
28)	SA Decachlor...	9.074	8.067	77827584	462.3E6	20.942	23.026
Target Compounds							
2)	A alpha-BHC	4.004	3.389	47657645	308.6E6	9.621	12.698 #
3)	MA gamma-BHC...	4.335	3.726	46749824	284.8E6	9.837	12.644 #
6)	B beta-BHC	4.521	4.022	20017370	124.2E6	10.851	12.875
12)	B 4,4'-DDE	6.198	5.373	503718	2407371	0.135m	0.114
14)	MA Endrin	6.578	5.785	173.2E6	1094.3E6	48.406	54.922
16)	A 4,4'-DDD	6.709	5.925	6397113	54443564	2.136	3.088m#
17)	MA 4,4'-DDT	7.025	6.179	319.7E6	2032.4E6	95.140	110.621
18)	B Endrin al...	6.919	6.254	1502029	18960558	0.602	1.467 #
20)	A Methoxychlor	7.496	6.749	395.6E6	2203.9E6	221.284	224.990
21)	B Endrin ke...	7.632	6.985	5985192	69292767	1.611m	3.453m#

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

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Data File : PD089767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

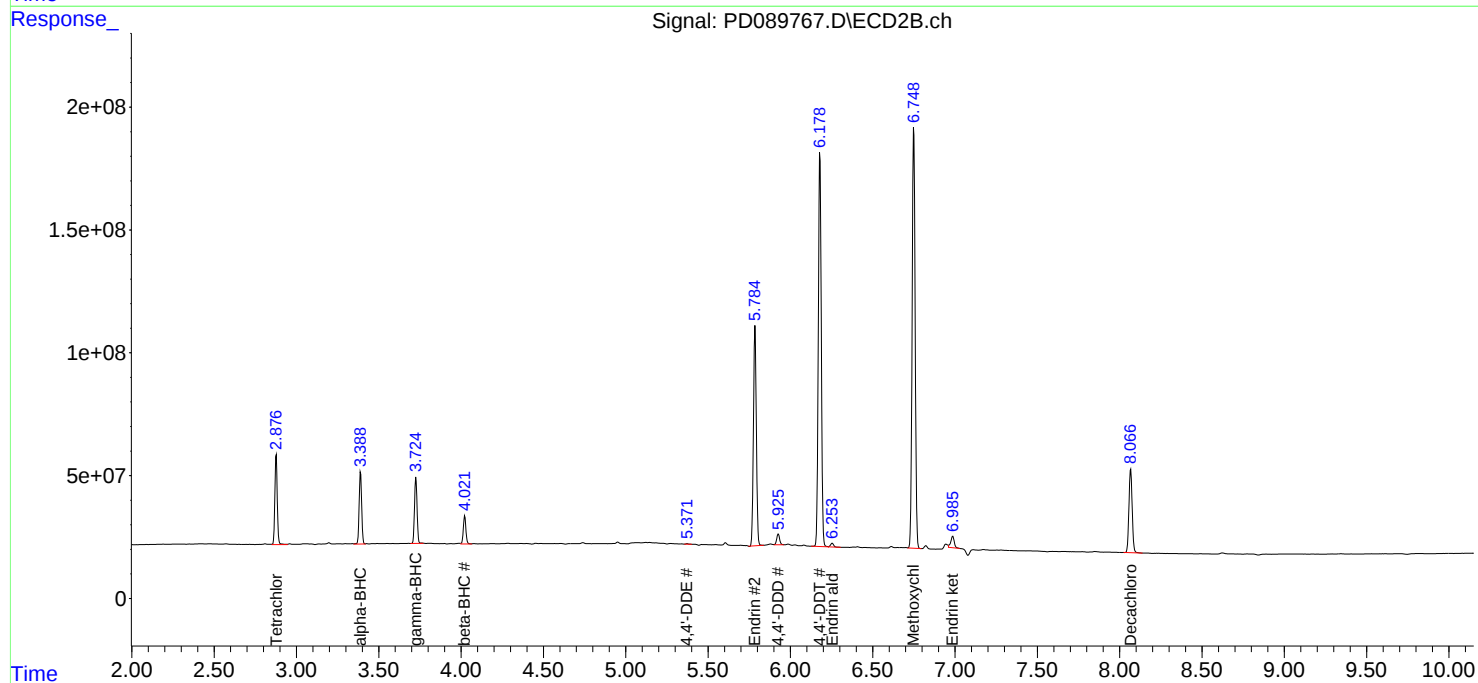
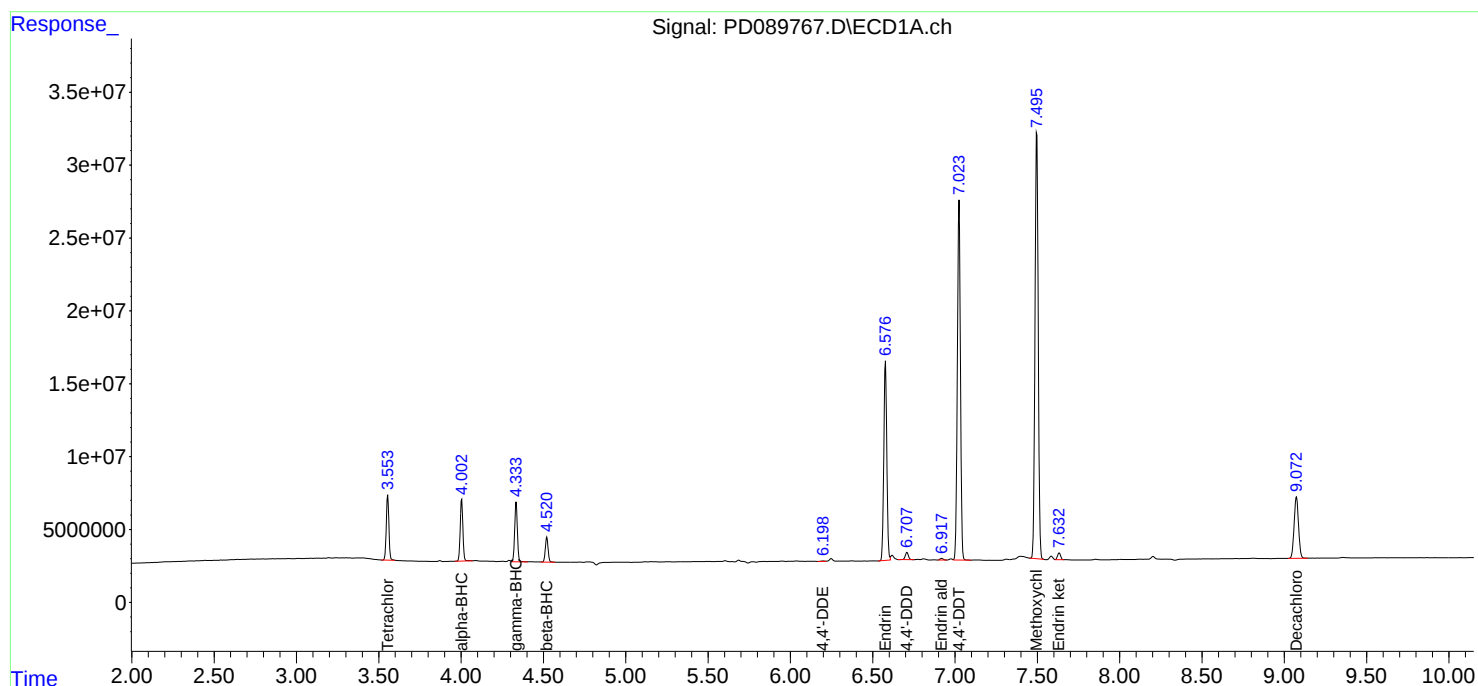
Instrument :
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ClientSampleId :
PEM

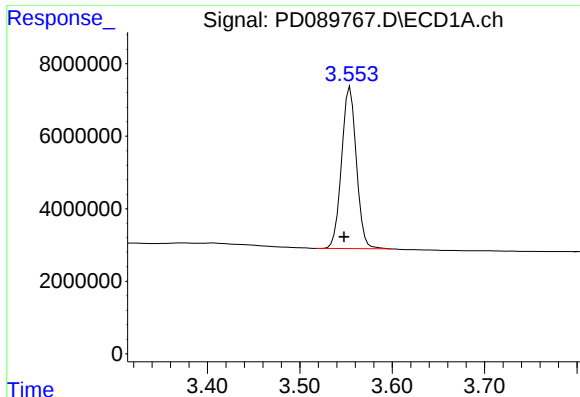
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 03:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





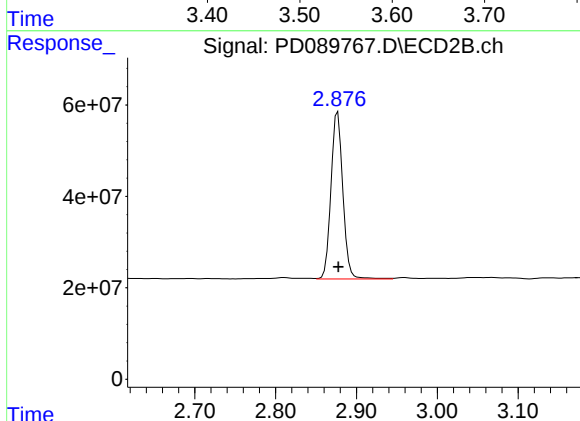
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 49620256
Conc: 20.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

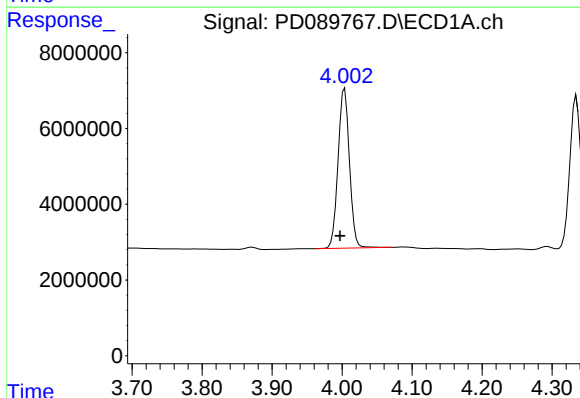
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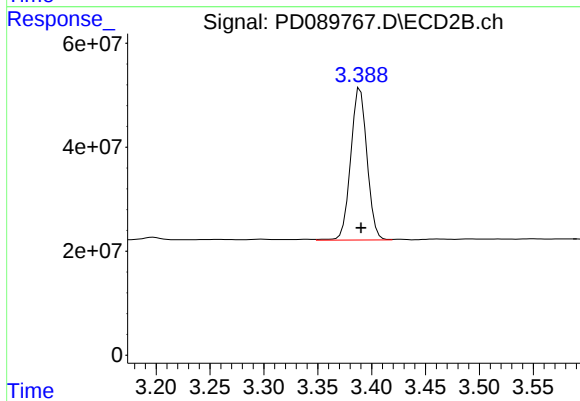
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 374925166
Conc: 23.67 ng/ml



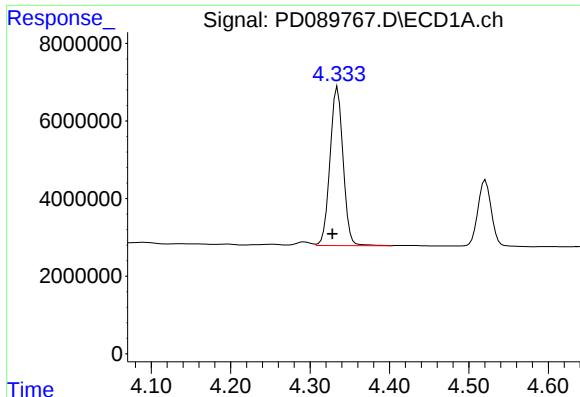
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 47657645
Conc: 9.62 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 308618288
Conc: 12.70 ng/ml



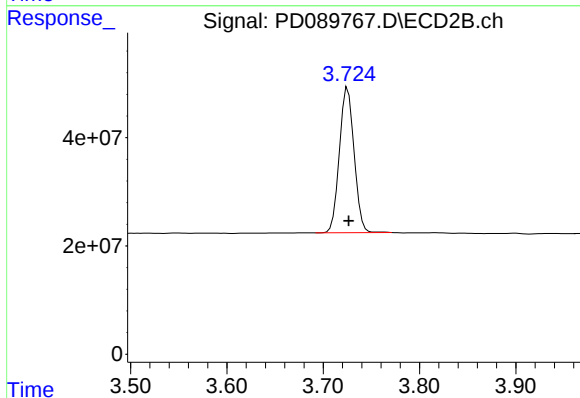
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.006 min
Response: 46749824
Conc: 9.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

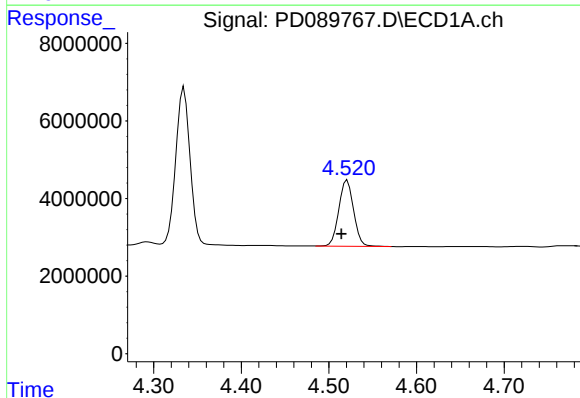
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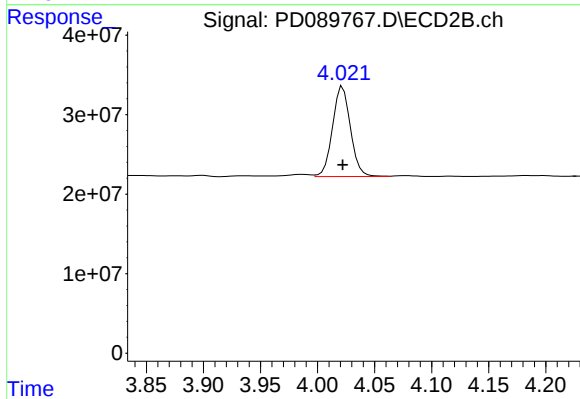
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 284798764
Conc: 12.64 ng/ml



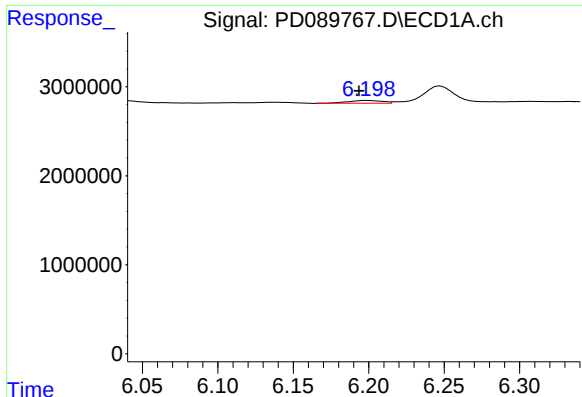
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 20017370
Conc: 10.85 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 124234264
Conc: 12.88 ng/ml



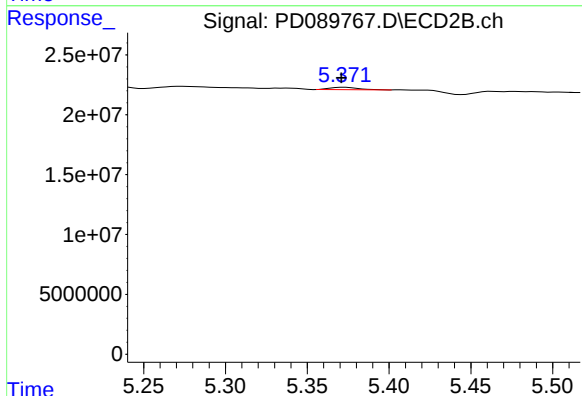
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 503718
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

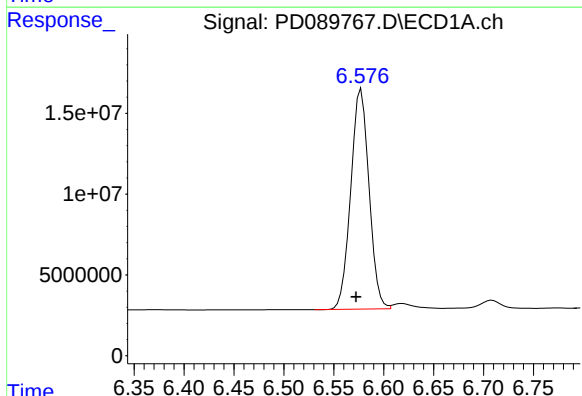
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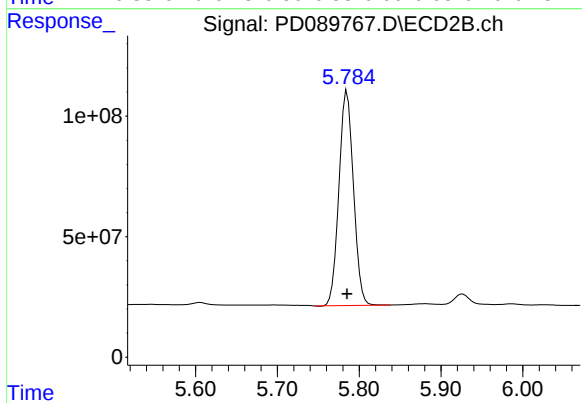
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 2407371
Conc: 0.11 ng/ml



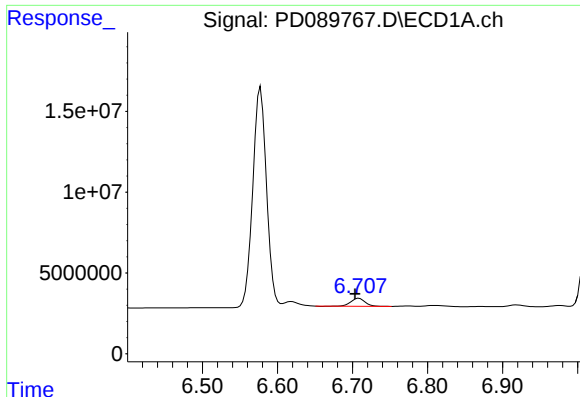
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 173182273
Conc: 48.41 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1094339875
Conc: 54.92 ng/ml



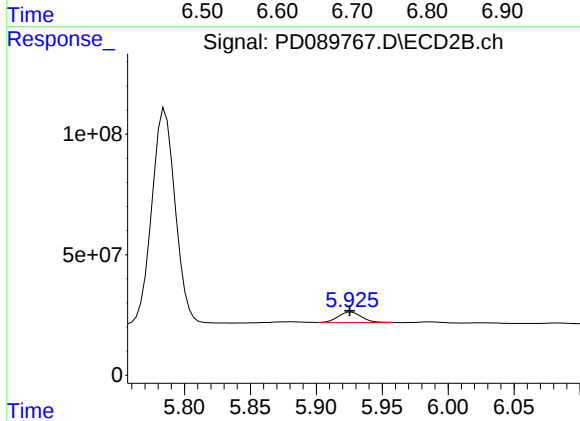
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.005 min
Response: 6397113
Conc: 2.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

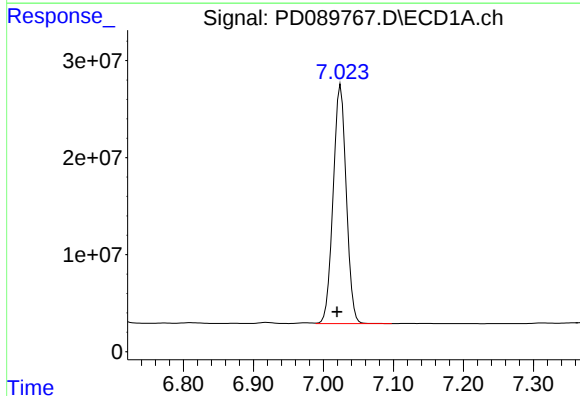
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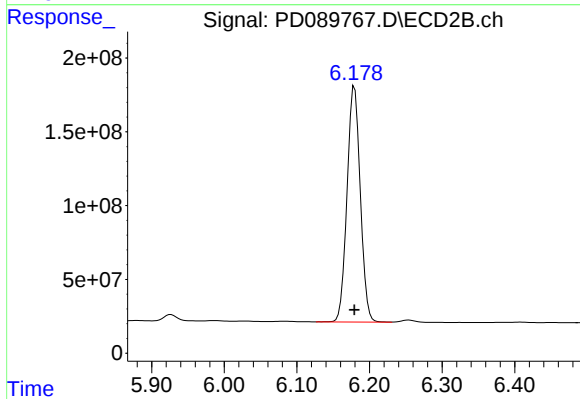
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 54443564
Conc: 3.09 ng/ml m



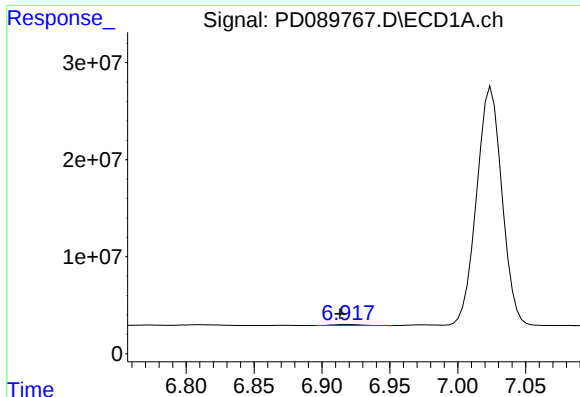
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 319694899
Conc: 95.14 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 2032406667
Conc: 110.62 ng/ml



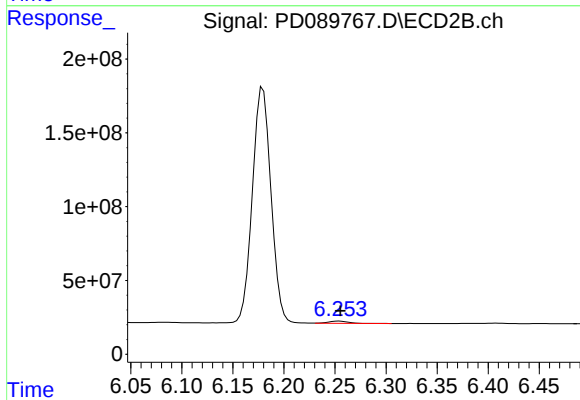
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.006 min
Response: 1502029
Conc: 0.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

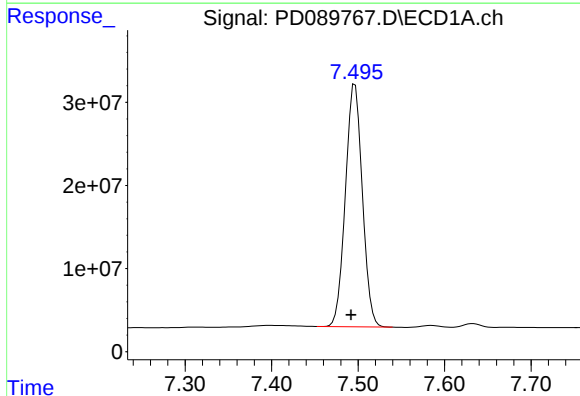
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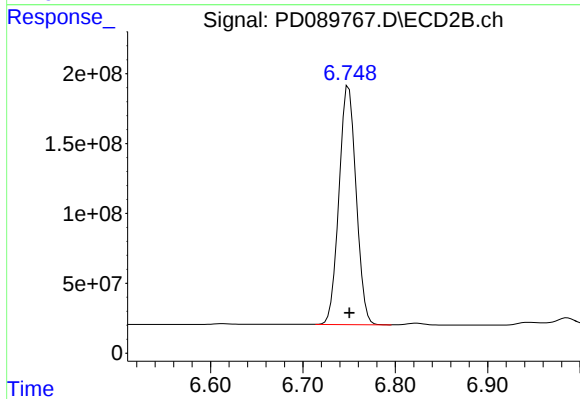
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 18960558
Conc: 1.47 ng/ml



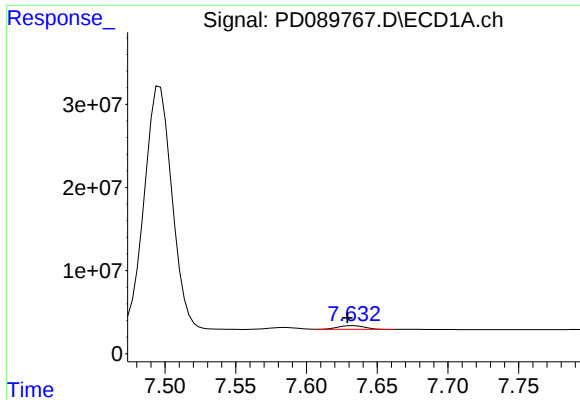
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.005 min
Response: 395649419
Conc: 221.28 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2203892666
Conc: 224.99 ng/ml



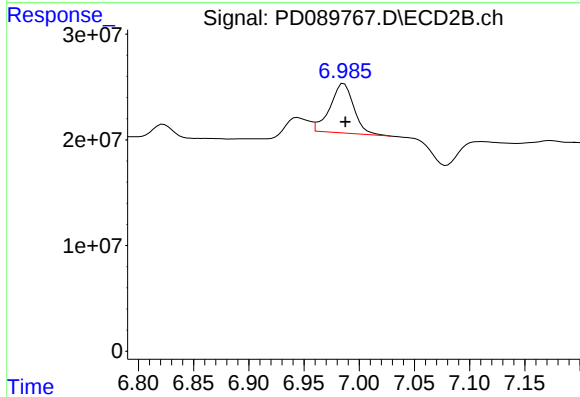
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.003 min
Response: 5985192
Conc: 1.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

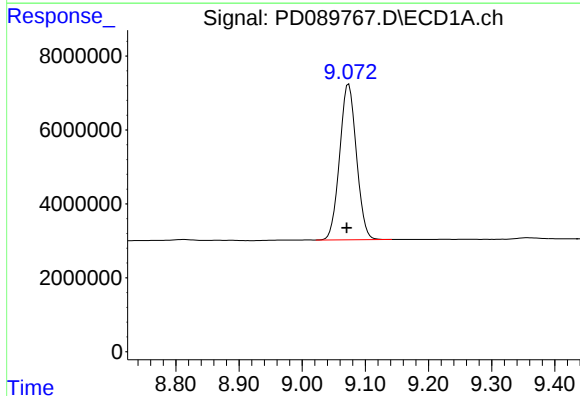
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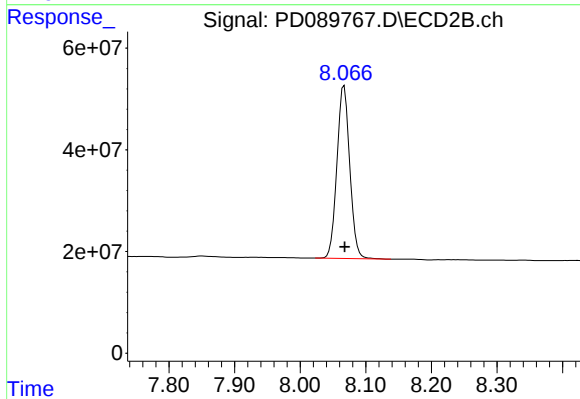
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 69292767
Conc: 3.45 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.003 min
Response: 77827584
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 462318067
Conc: 23.03 ng/ml