

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
 Data File : PD089041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jun 2025 09:32
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/23/2025
 Supervised By :mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 20 12:35:31 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	54456263	348.8E6	19.086	20.574
28)	SA Decachlor...	9.075	8.073	80608847	435.3E6	20.524	22.020
Target Compounds							
2)	A alpha-BHC	3.999	3.393	51783298	285.1E6	8.884	10.640
3)	MA gamma-BHC...	4.331	3.729	51564618	265.8E6	9.238	10.735
6)	B beta-BHC	4.516	4.025	21761103	116.5E6	9.859	10.838
14)	MA Endrin	6.575	5.789	199.0E6	1016.0E6	48.244	46.792
16)	A 4,4'-DDD	6.704	5.930	1269184	9613533	0.370m	0.503m#
17)	MA 4,4'-DDT	7.023	6.184	366.5E6	1887.5E6	96.751	93.073
18)	B Endrin al...	6.918	6.256	847722	10634841	0.277	0.695m#
20)	A Methoxychlor	7.494	6.754	442.6E6	1964.2E6	219.037	182.413
21)	B Endrin ke...	7.630	6.989	2557866	19264853	0.628m	0.892m#

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

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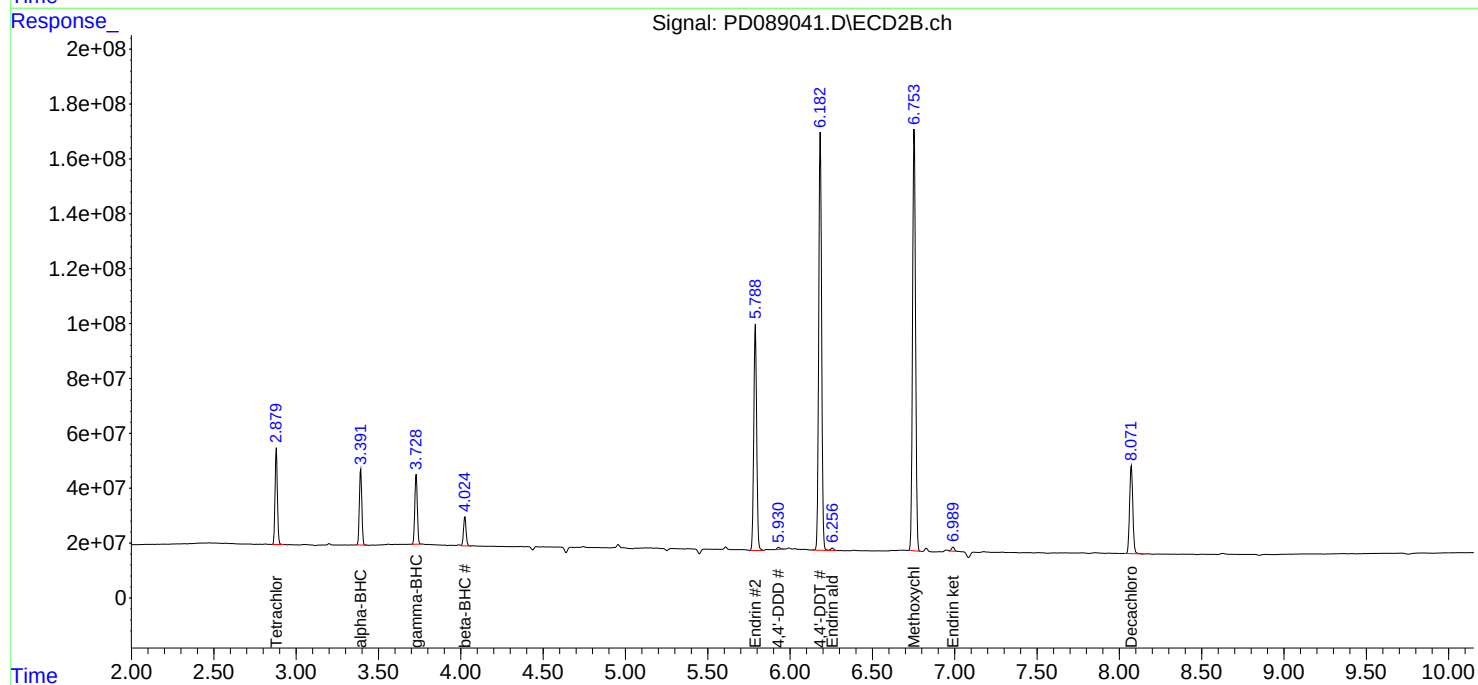
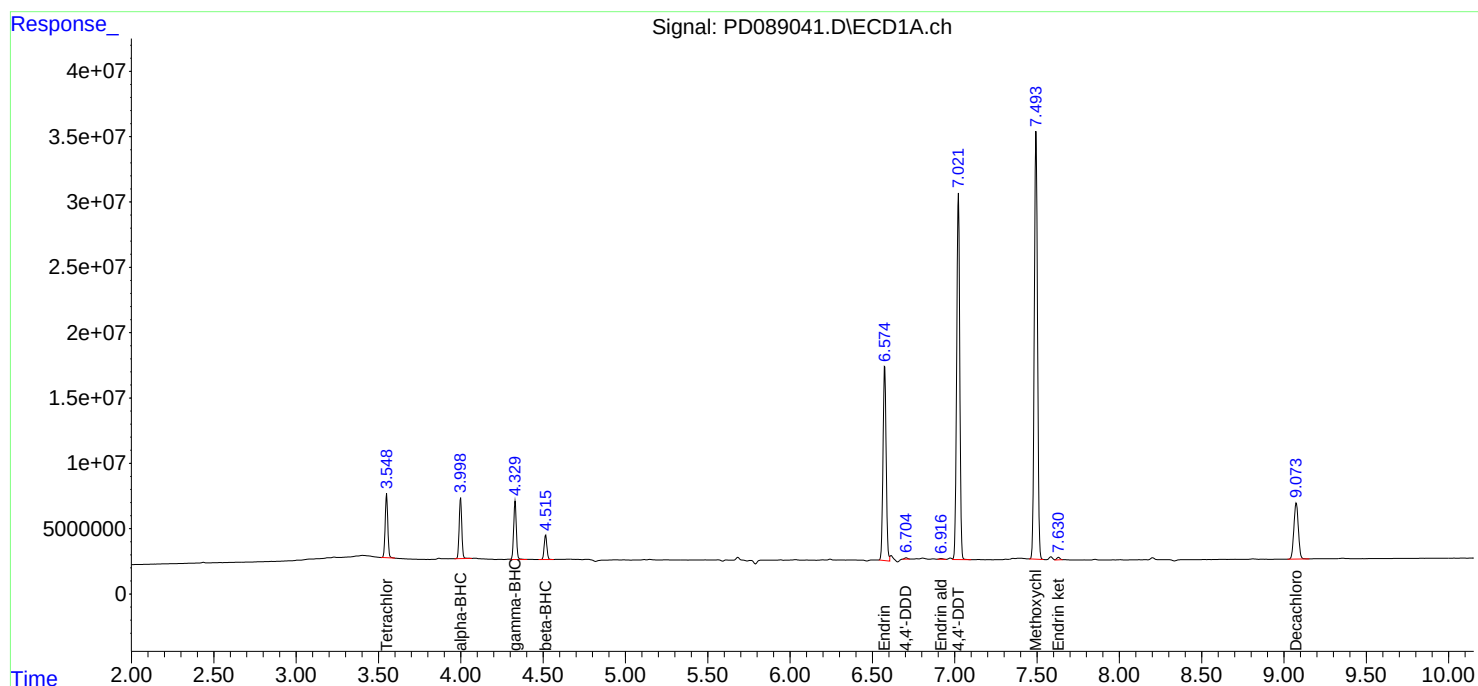
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ECD_D
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PEM

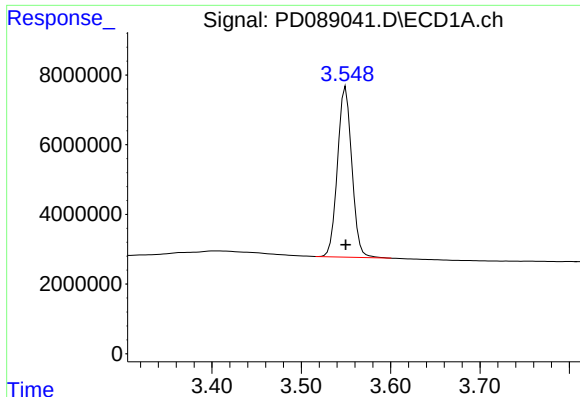
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
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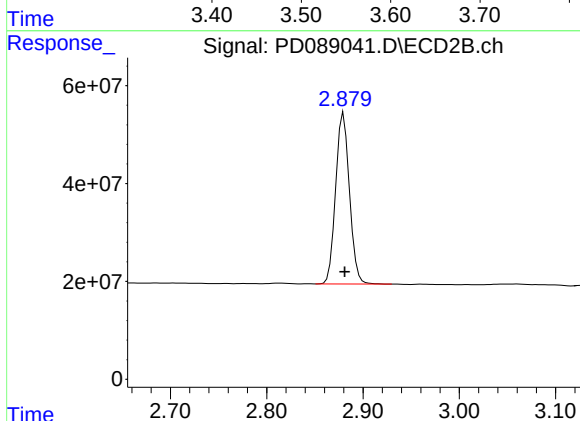
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54456263
Conc: 19.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

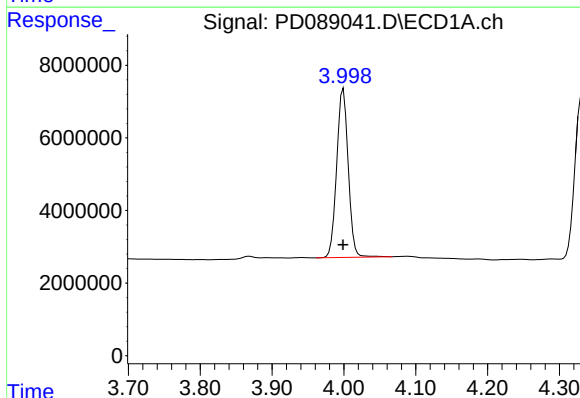
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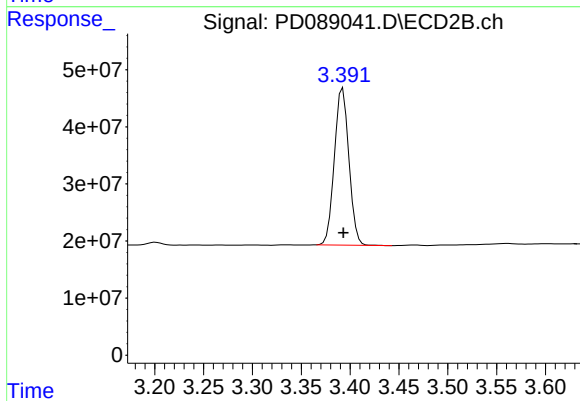
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 348792974
Conc: 20.57 ng/ml



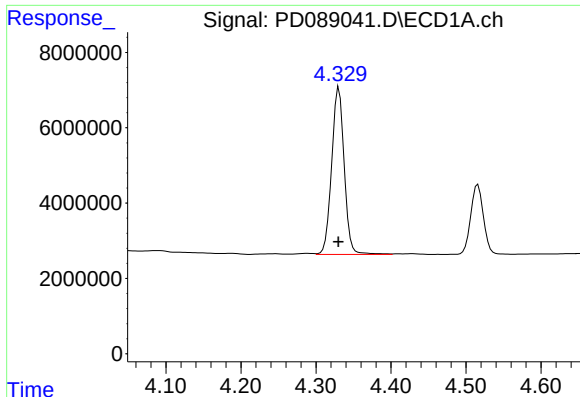
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 51783298
Conc: 8.88 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 285114224
Conc: 10.64 ng/ml



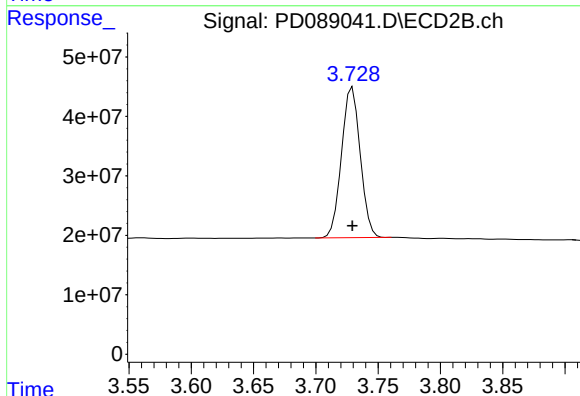
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 51564618
Conc: 9.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

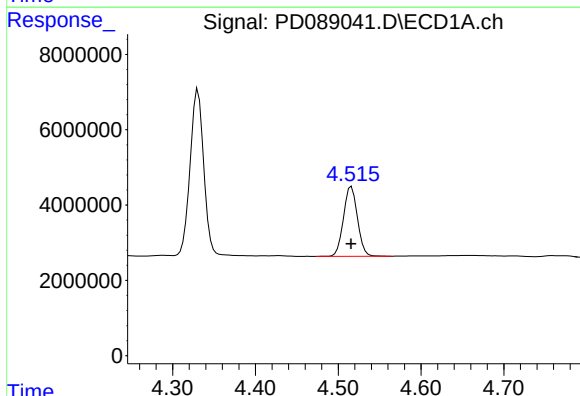
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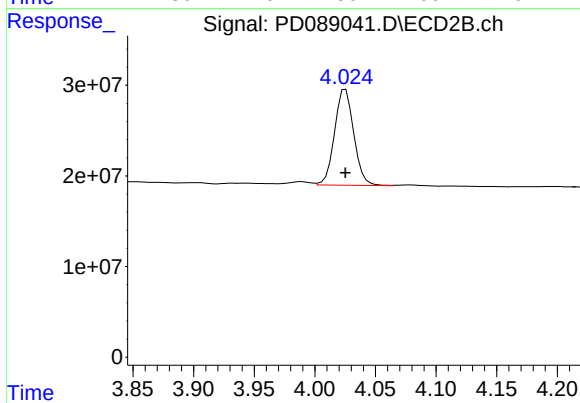
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 265773426
Conc: 10.74 ng/ml



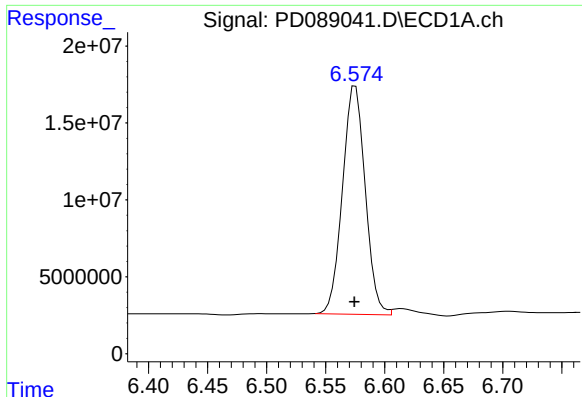
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 21761103
Conc: 9.86 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 116472322
Conc: 10.84 ng/ml



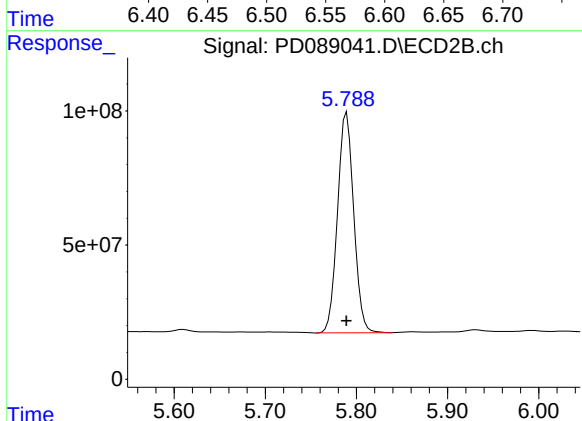
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 199036150
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

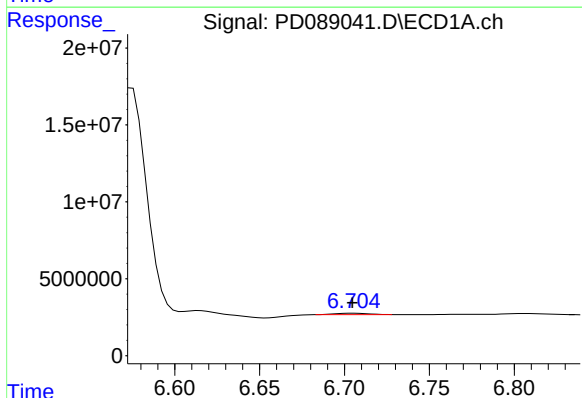
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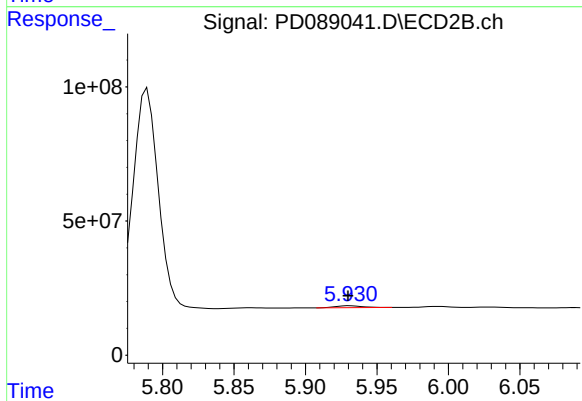
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1016030162
Conc: 46.79 ng/ml



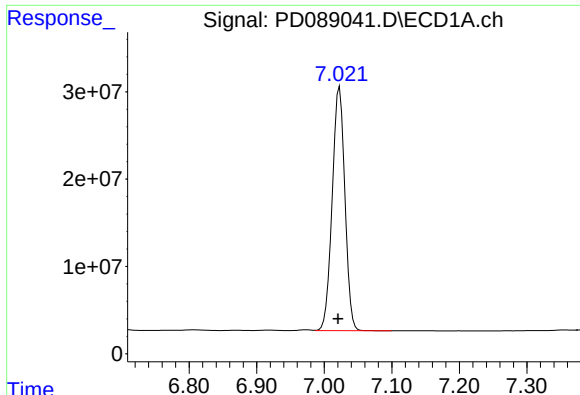
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 1269184
Conc: 0.37 ng/ml m



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 9613533
Conc: 0.50 ng/ml m



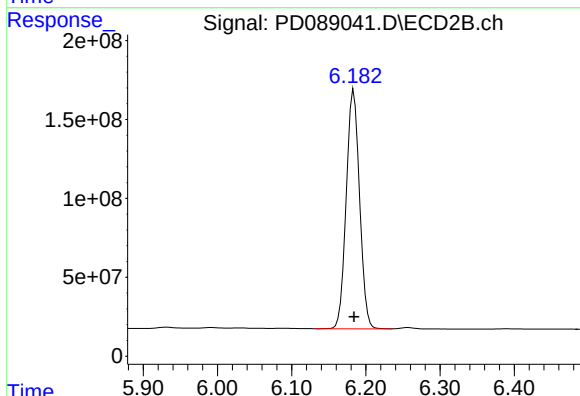
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.002 min
Response: 366513441
Conc: 96.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

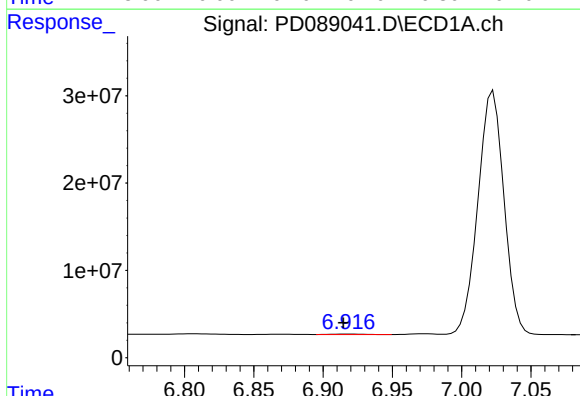
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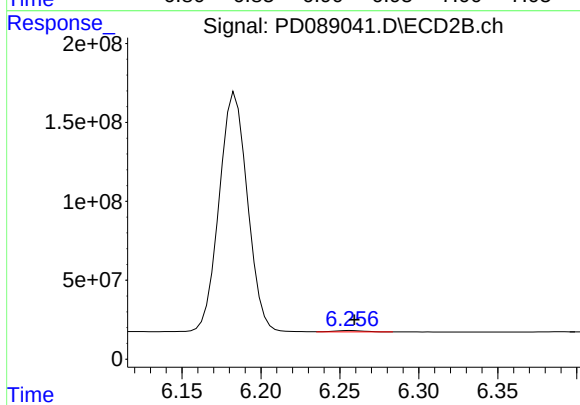
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 1887453358
Conc: 93.07 ng/ml



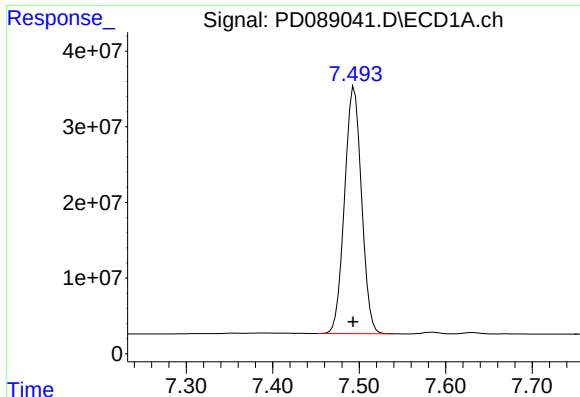
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 847722
Conc: 0.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 10634841
Conc: 0.69 ng/ml m



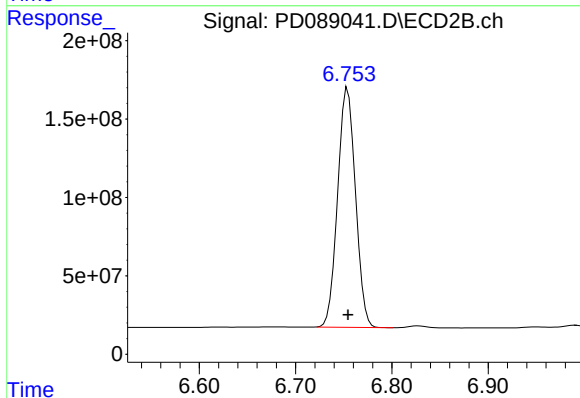
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.002 min
Response: 442592831
Conc: 219.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

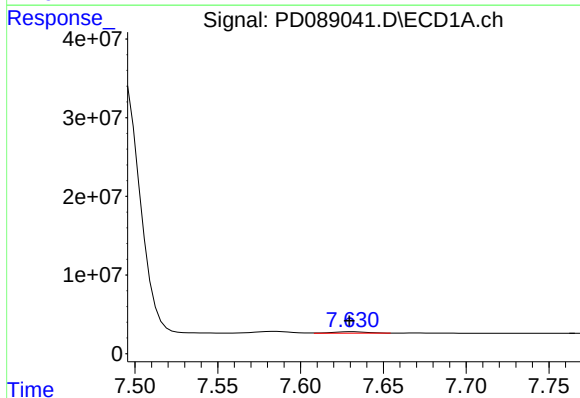
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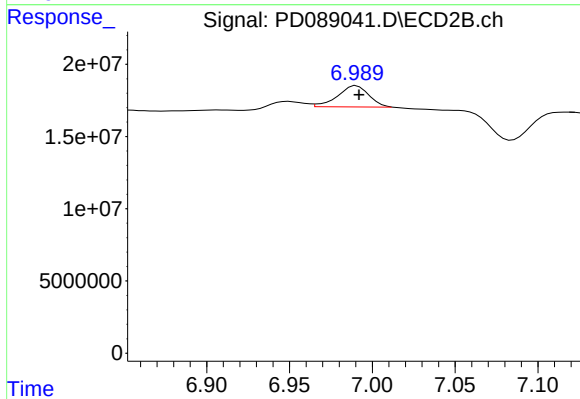
#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 1964241282
Conc: 182.41 ng/ml



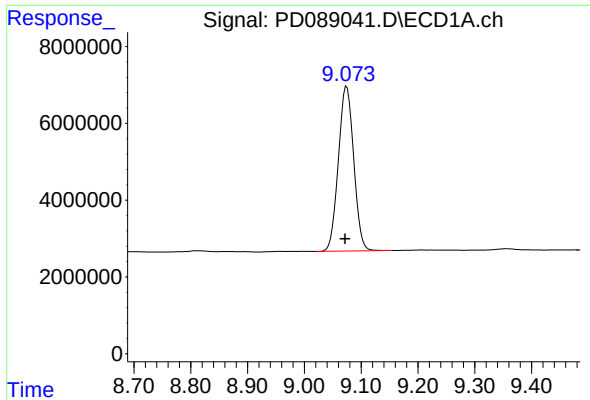
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 2557866
Conc: 0.63 ng/ml m



#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 19264853
Conc: 0.89 ng/ml m



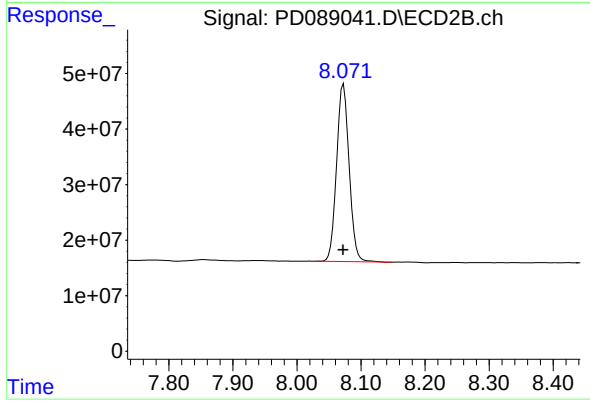
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 80608847
Conc: 20.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 435342986
Conc: 22.02 ng/ml