

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071425\
 Data File : PD089474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Jul 2025 10:57
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/16/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 15 06:46:12 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...	3.554	2.879	60873171	399.4E6	21.336	23.561
28)	SA Decachlor...	9.074	8.070	80625579	421.1E6	20.528	21.301
Target Compounds							
2)	A alpha-BHC	4.003	3.391	57794010	324.0E6	9.915	12.092m
3)	MA gamma-BHC...	4.334	3.727	58276717	303.2E6	10.441	12.247m
6)	B beta-BHC	4.519	4.024	24755956	131.5E6	11.216	12.240
12)	B 4,4'-DDE	6.197	5.373	669871	3331169	0.154m	0.145m
14)	MA Endrin	6.577	5.788	210.0E6	1127.7E6	50.903	51.935
16)	A 4,4'-DDD	6.707	5.928	13527469	83196662	3.942	4.349
17)	MA 4,4'-DDT	7.024	6.182	369.2E6	1988.7E6	97.472	98.063
18)	B Endrin al...	6.918	6.256	1728866	19323535	0.564	1.262 #
20)	A Methoxychlor	7.496	6.753	442.2E6	2037.7E6	218.840	189.231
21)	B Endrin ke...	7.631	6.989	7938799	75188869	1.949m	3.481 #

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

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Acq On : 14 Jul 2025 10:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

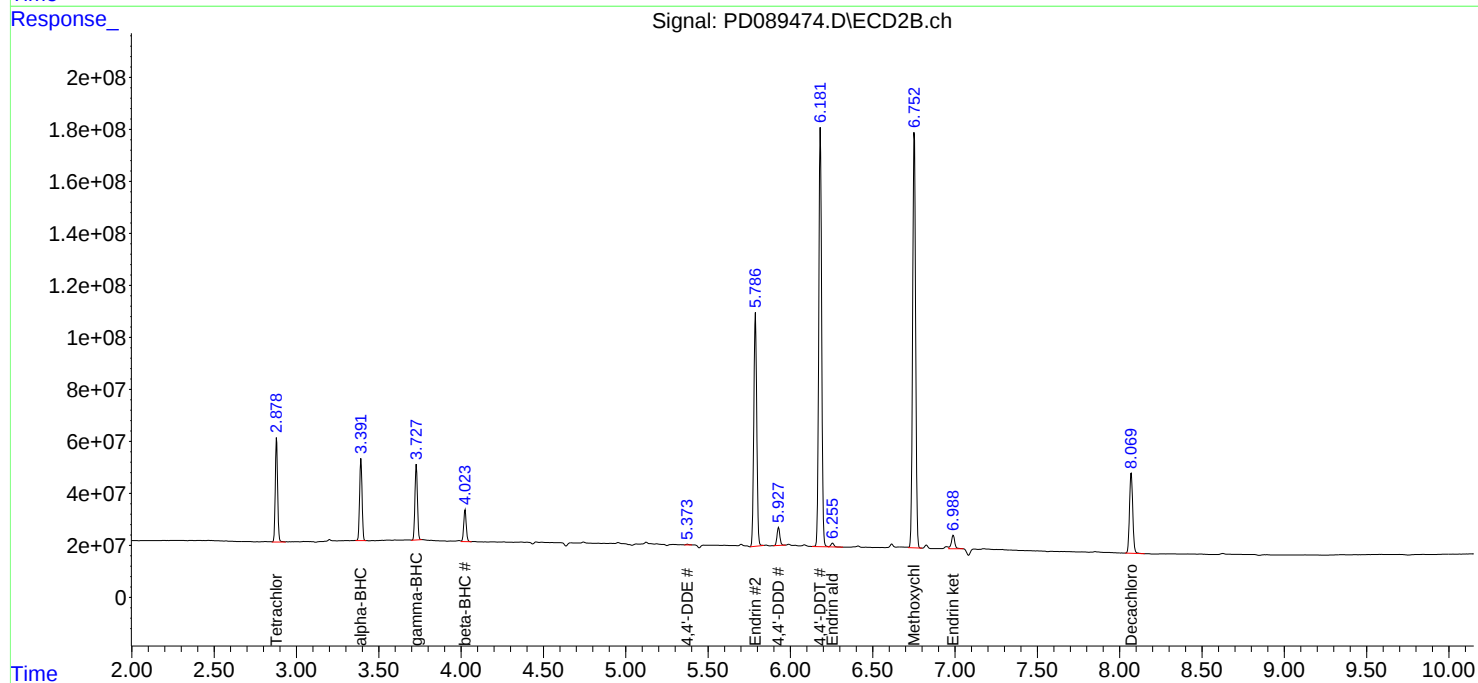
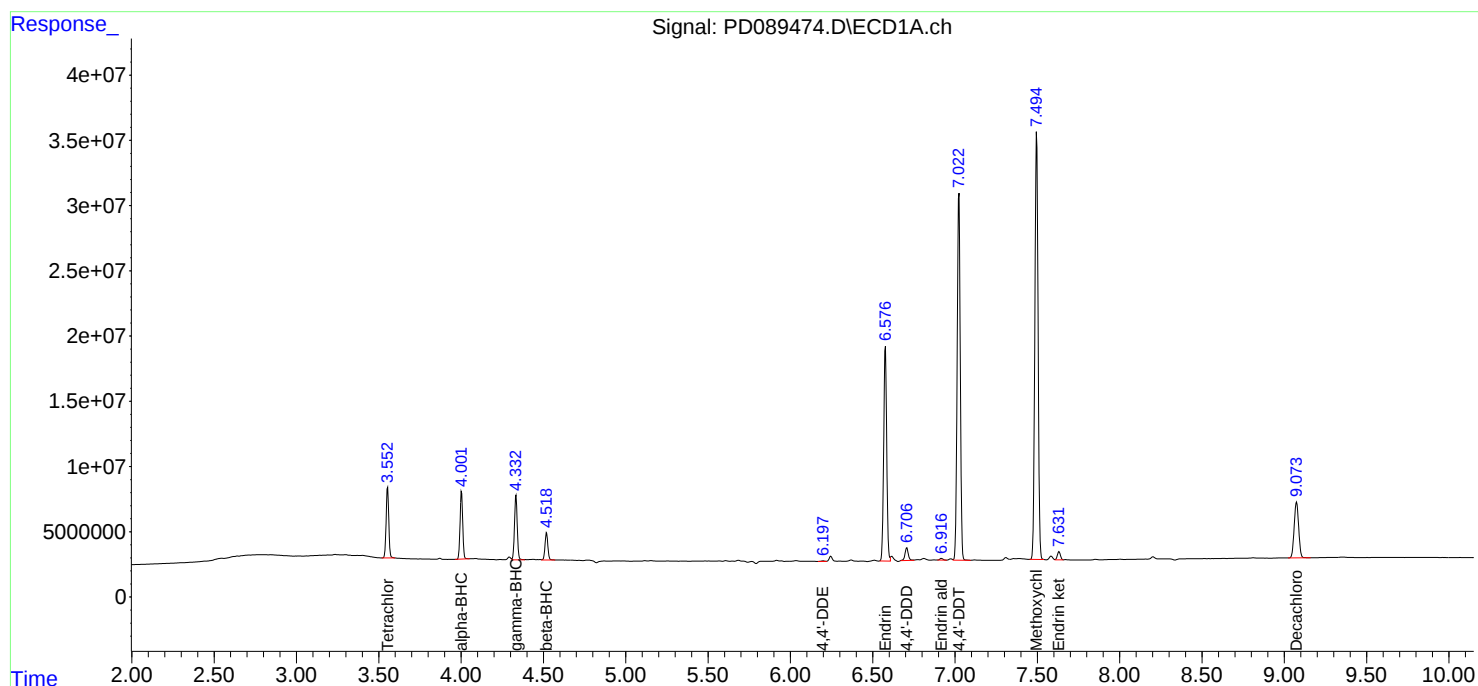
Instrument :
ECD_D
ClientSampleId :
PEM

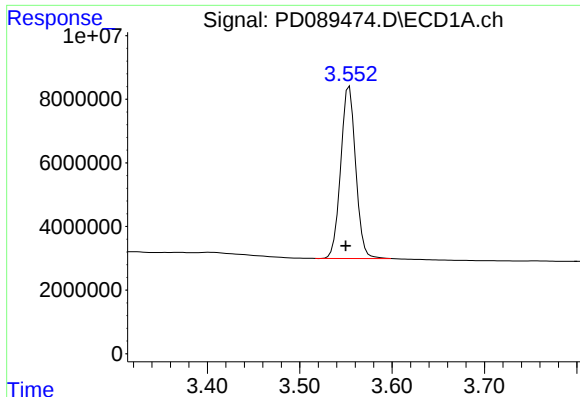
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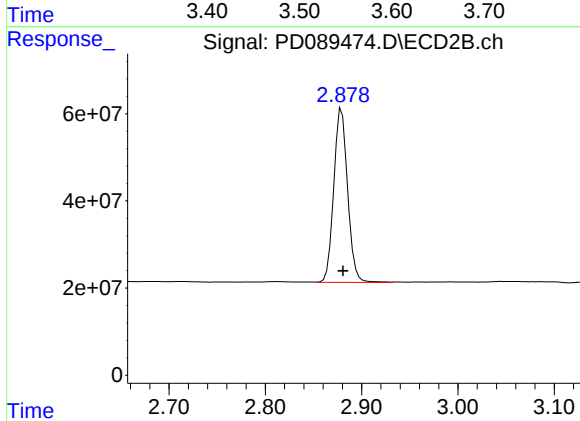
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 60873171
Conc: 21.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

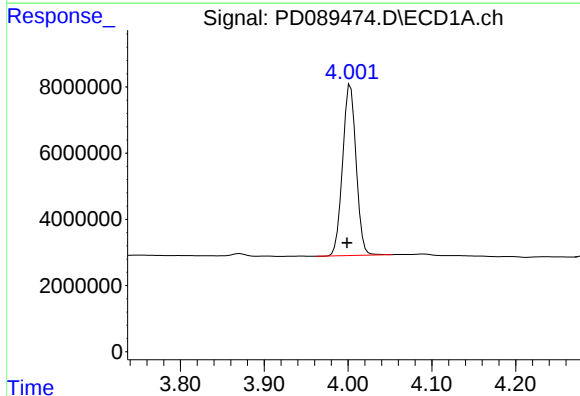
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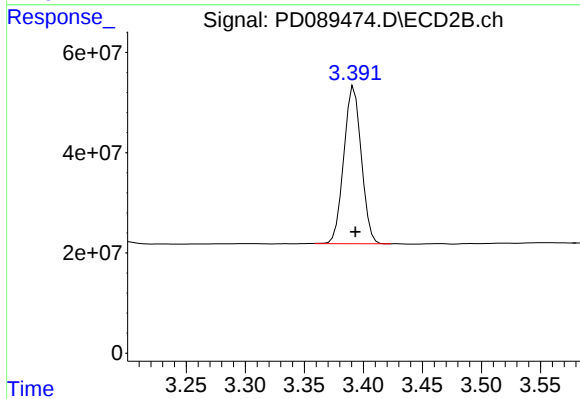
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 399426454
Conc: 23.56 ng/ml



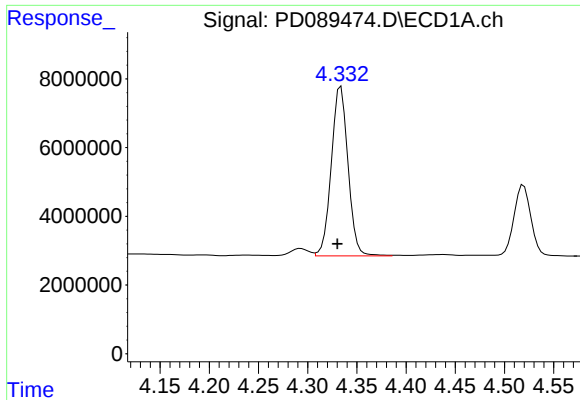
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 57794010
Conc: 9.91 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 324042527
Conc: 12.09 ng/ml m



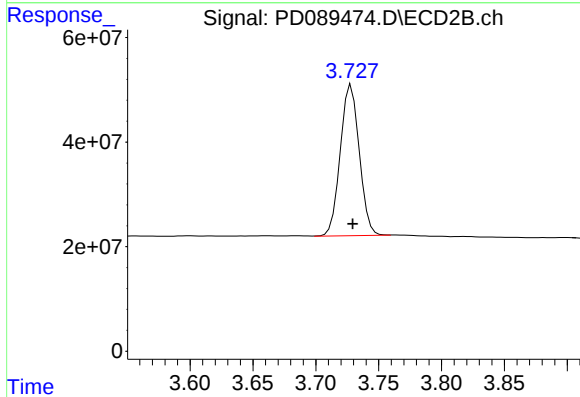
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 58276717
Conc: 10.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

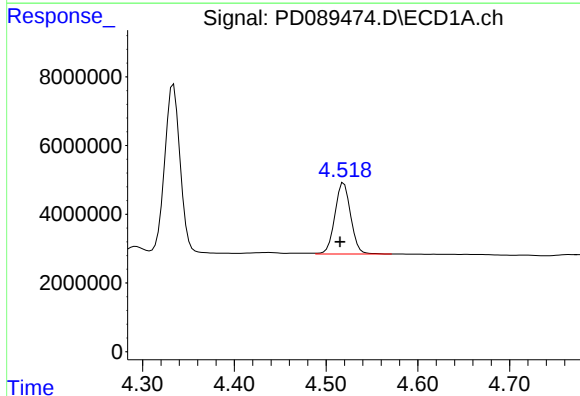
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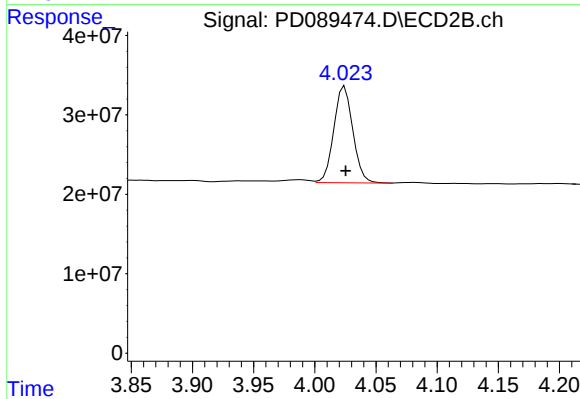
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 303202474
Conc: 12.25 ng/ml m



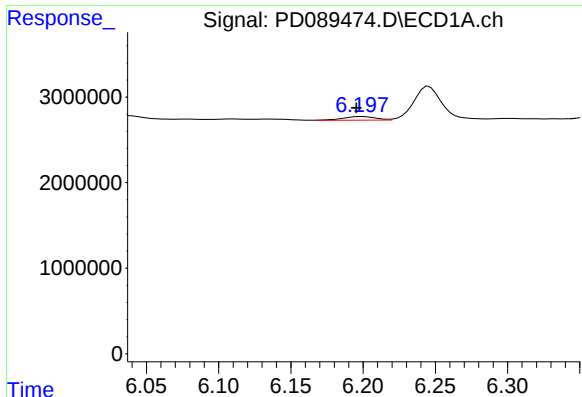
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 24755956
Conc: 11.22 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 131536304
Conc: 12.24 ng/ml



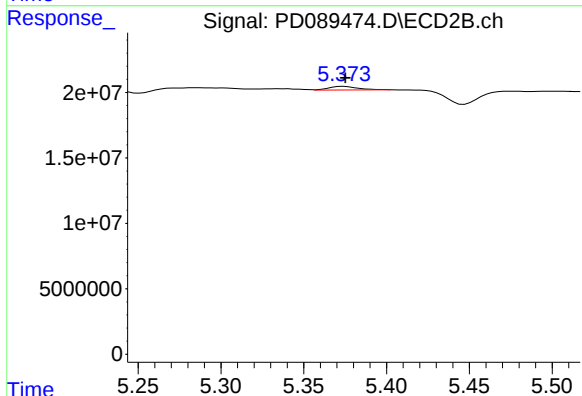
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.002 min
Response: 669871
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

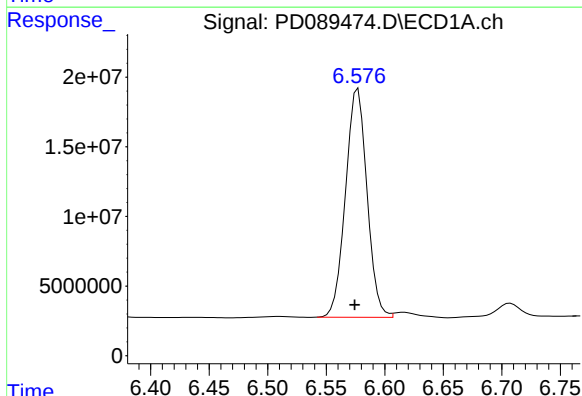
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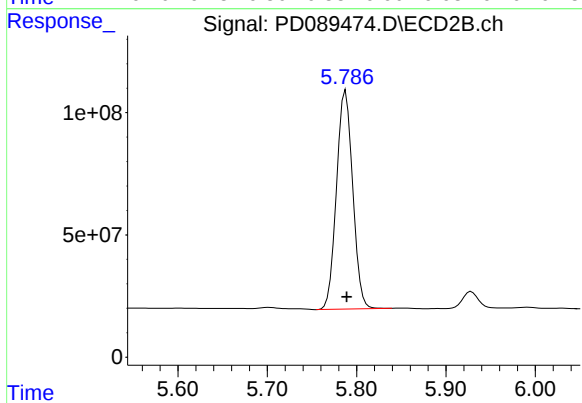
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 3331169
Conc: 0.15 ng/ml m



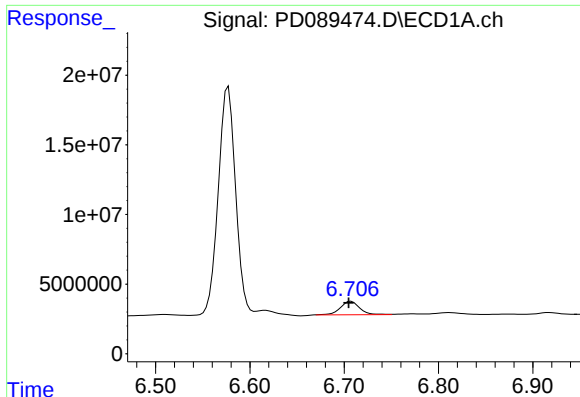
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 210003616
Conc: 50.90 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1127711151
Conc: 51.93 ng/ml



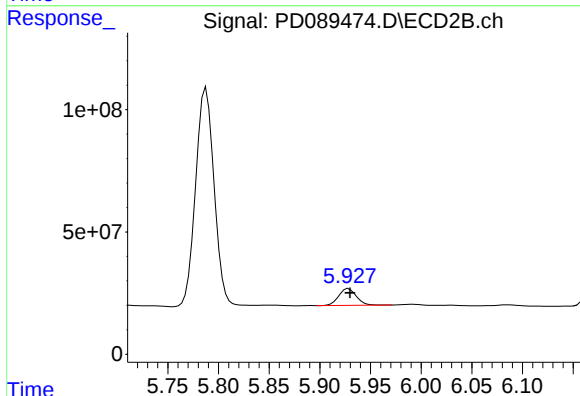
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.003 min
Response: 13527469
Conc: 3.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

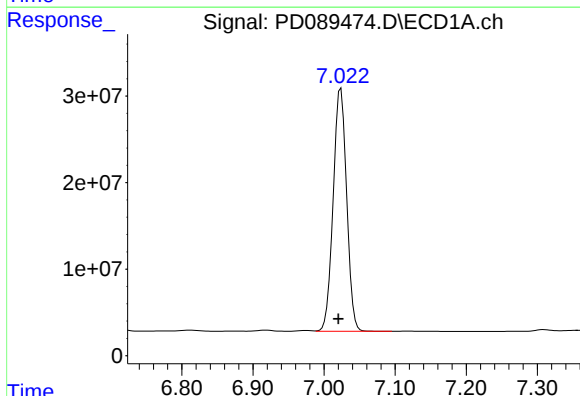
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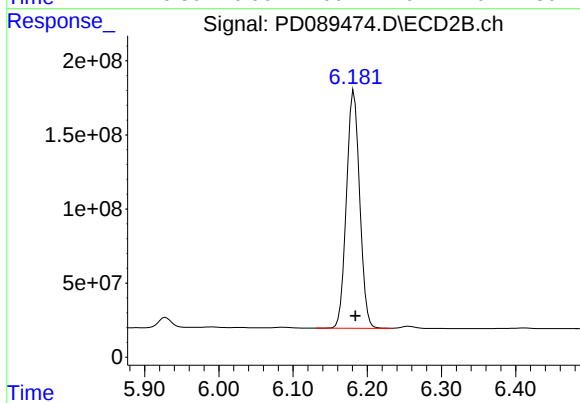
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 83196662
Conc: 4.35 ng/ml



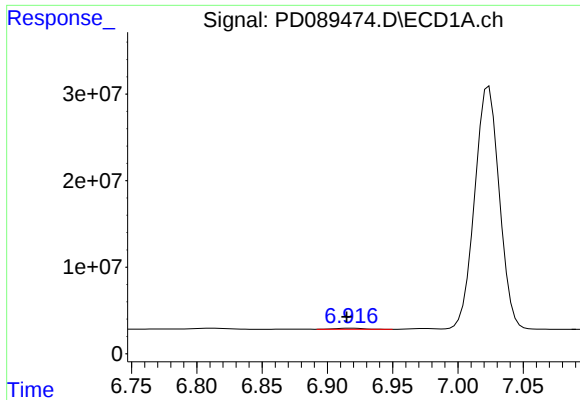
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.003 min
Response: 369243475
Conc: 97.47 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1988653547
Conc: 98.06 ng/ml



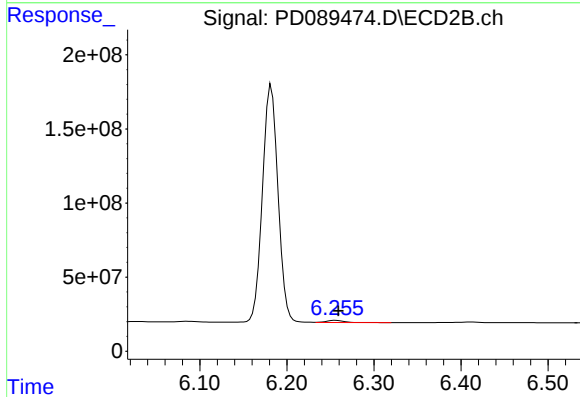
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 1728866
Conc: 0.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

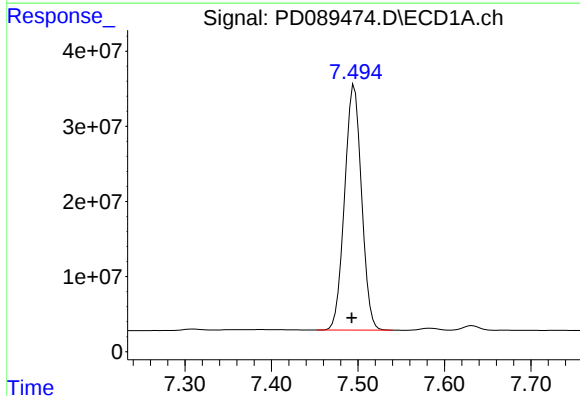
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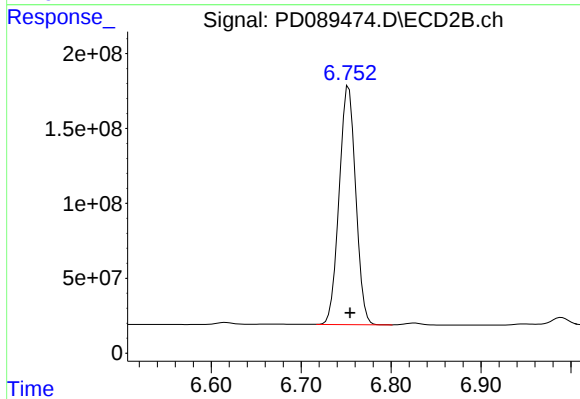
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 19323535
Conc: 1.26 ng/ml



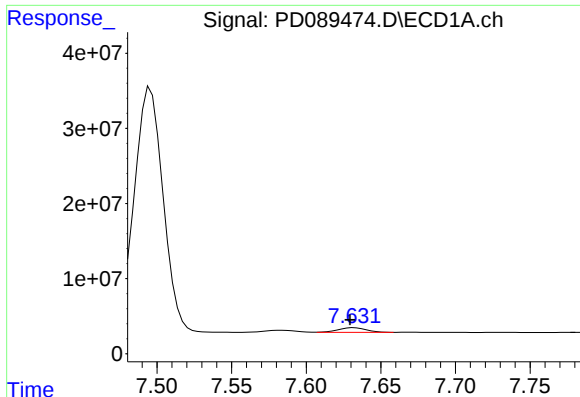
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 442194041
Conc: 218.84 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 2037655901
Conc: 189.23 ng/ml



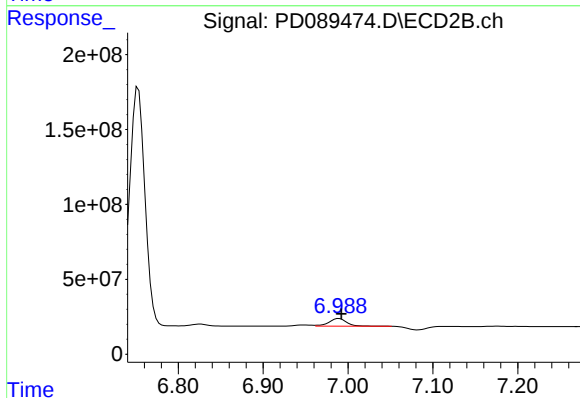
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 7938799
Conc: 1.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

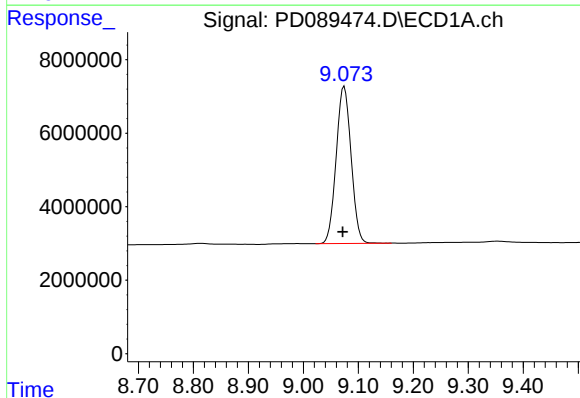
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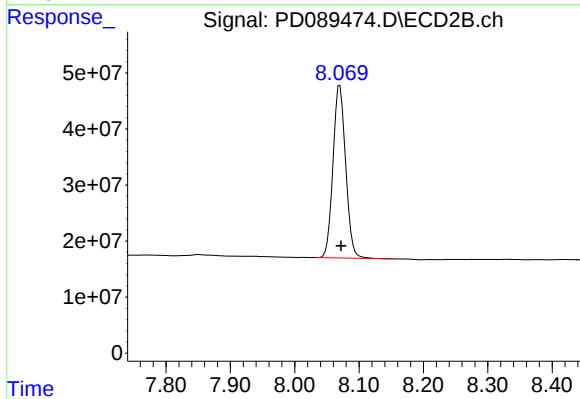
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 75188869
Conc: 3.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 80625579
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 421124379
Conc: 21.30 ng/ml