

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
 Data File : PD091068.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 15:44
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:21:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.544	2.874	68968346	717.0E6	22.147	24.080
28)	SA Decachlor...	9.066	8.060	93559085	644.3E6	20.000	21.270
Target Compounds							
2)	A alpha-BHC	3.993	3.385	67672256	597.8E6	9.429	11.700
3)	MA gamma-BHC...	4.324	3.721	64545043	549.1E6	9.494	11.621
6)	B beta-BHC	4.512	4.017	27439114	232.3E6	10.474	11.714
12)	B 4,4'-DDE	6.188	5.367	609045	4642438	0.114m	0.106
14)	MA Endrin	6.568	5.779	232.3E6	2054.4E6	46.903	50.734
16)	A 4,4'-DDD	6.700	5.919	18987278	203.1E6	4.683	5.574
17)	MA 4,4'-DDT	7.016	6.173	387.6E6	3434.8E6	94.296	97.934
18)	B Endrin al...	6.911	6.248	2224799	31192702	0.607	1.126 #
20)	A Methoxychlor	7.489	6.743	476.4E6	3620.4E6	224.131	207.740
21)	B Endrin ke...	7.626	6.981	9731957	85397909	2.003	2.264

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

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Acq On : 11 Nov 2025 15:44
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

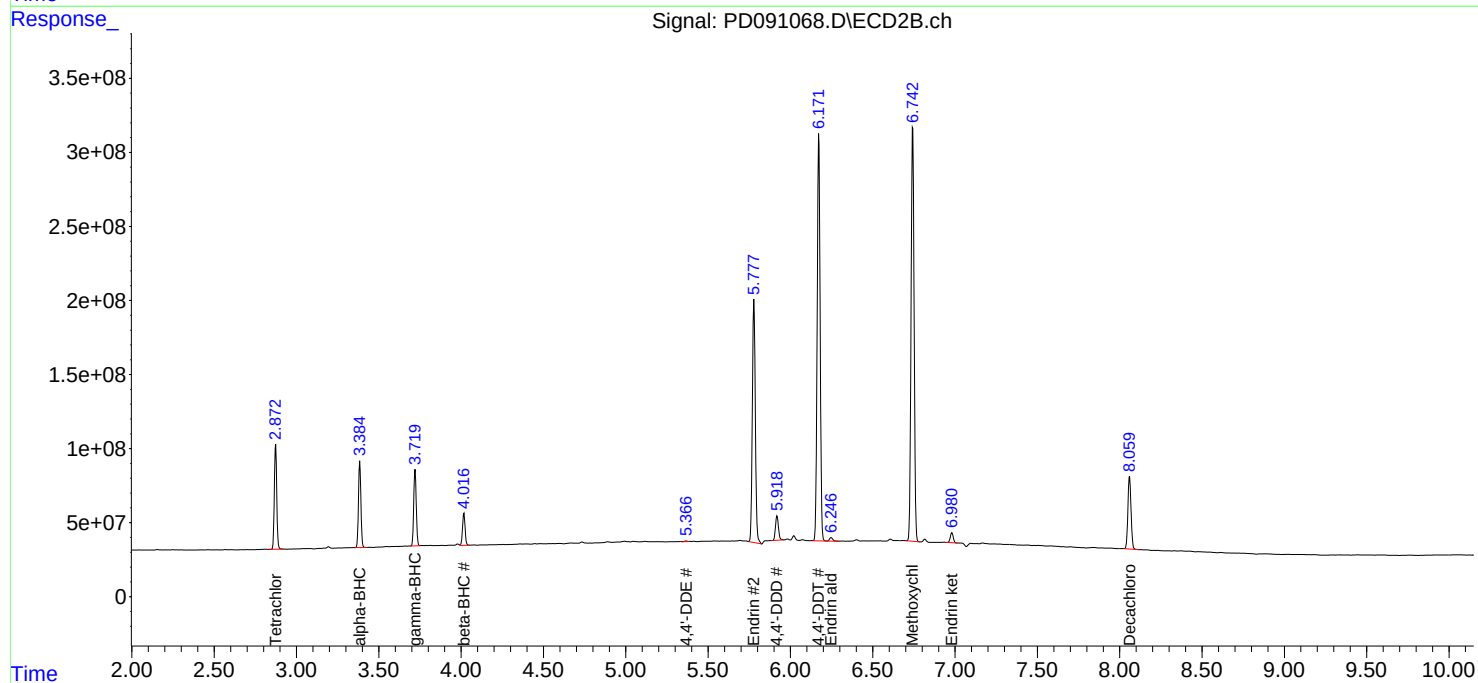
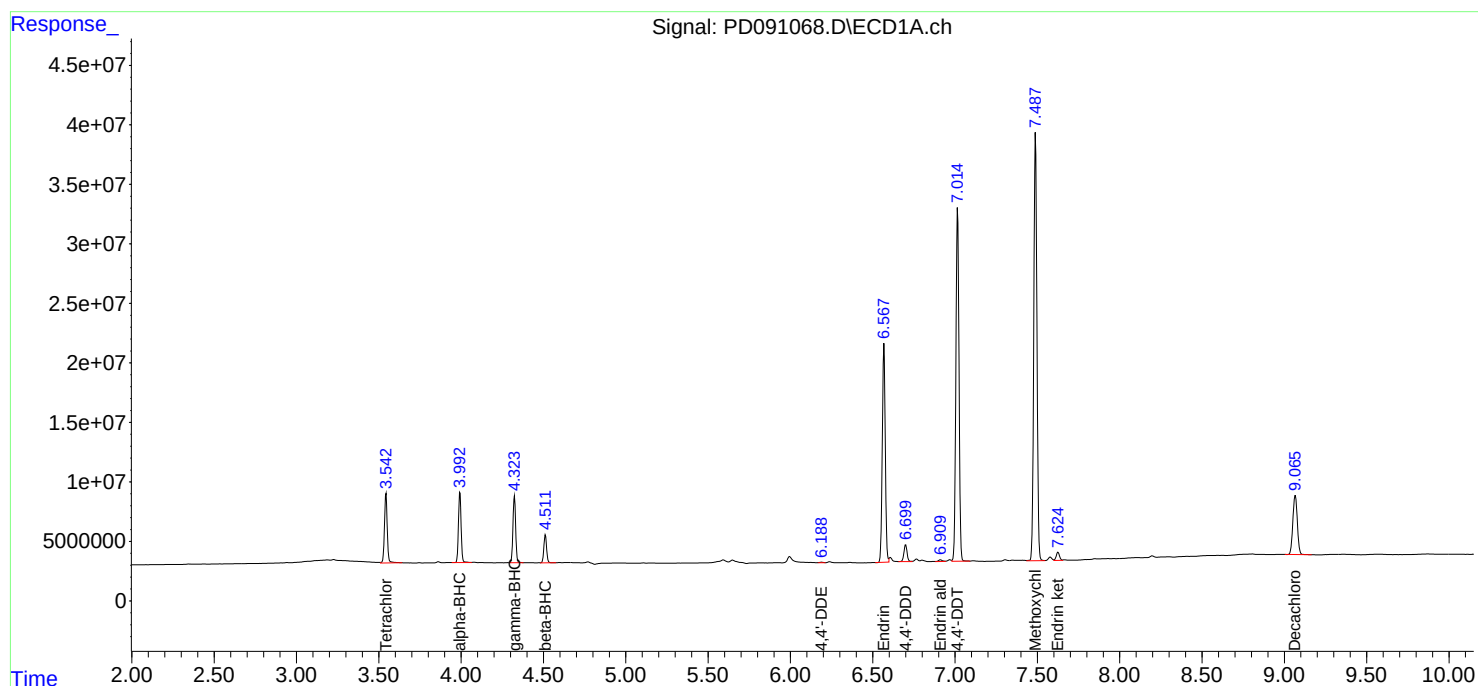
Instrument :
ECD_D
ClientSampleId :
PEM

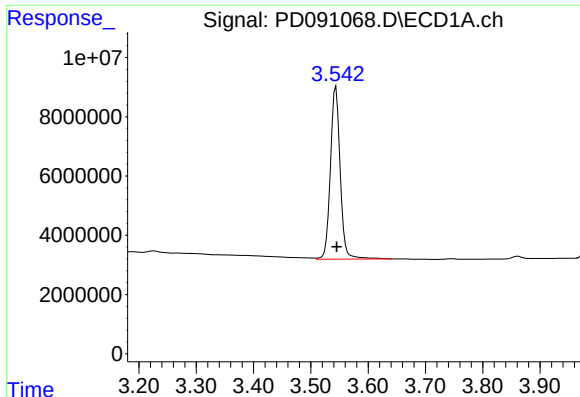
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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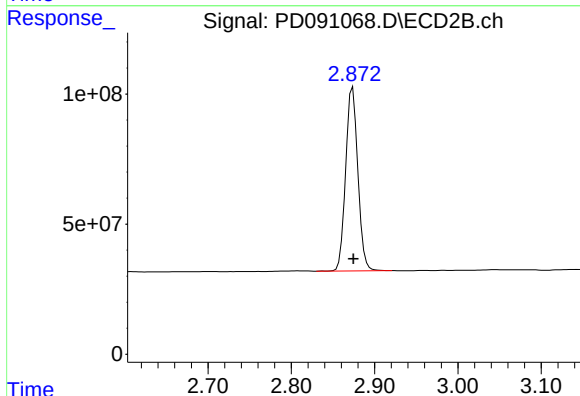
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 68968346
Conc: 22.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

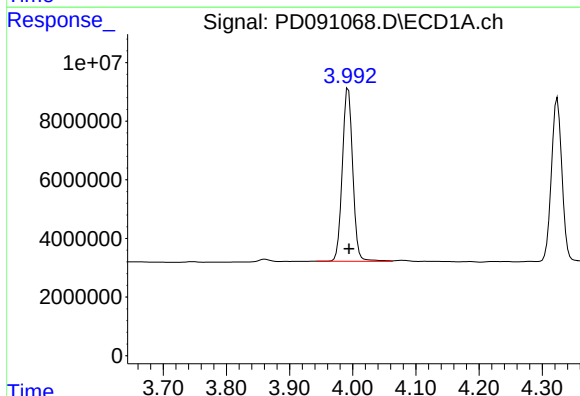
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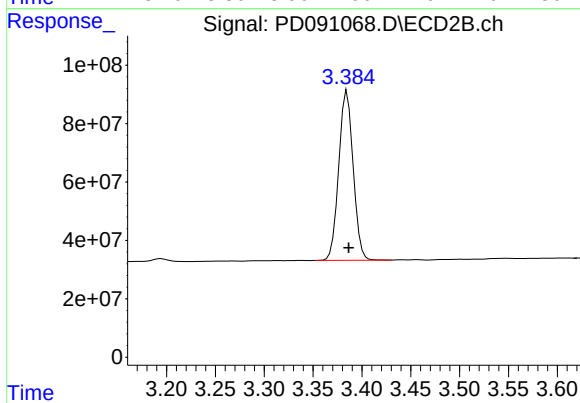
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 717030600
Conc: 24.08 ng/ml



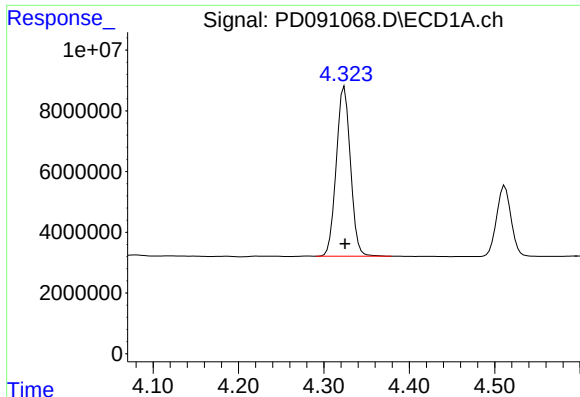
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 67672256
Conc: 9.43 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 597823144
Conc: 11.70 ng/ml



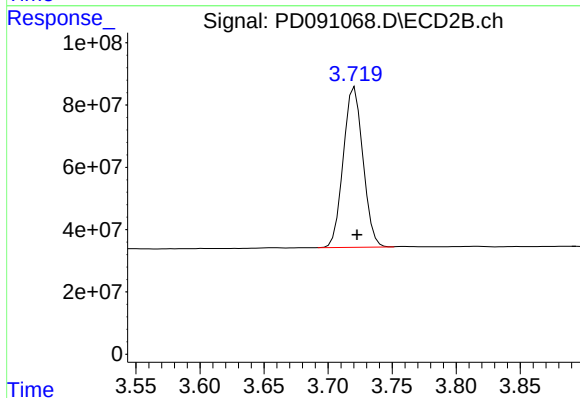
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 64545043
Conc: 9.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

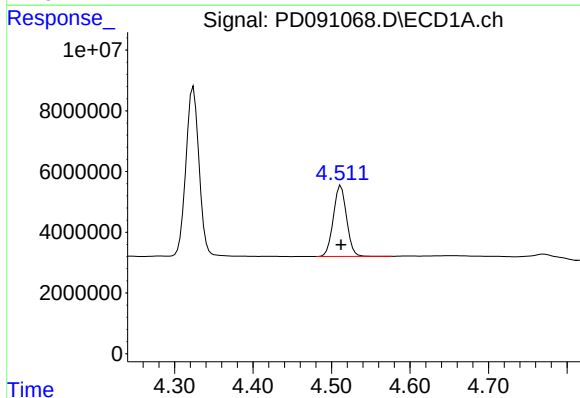
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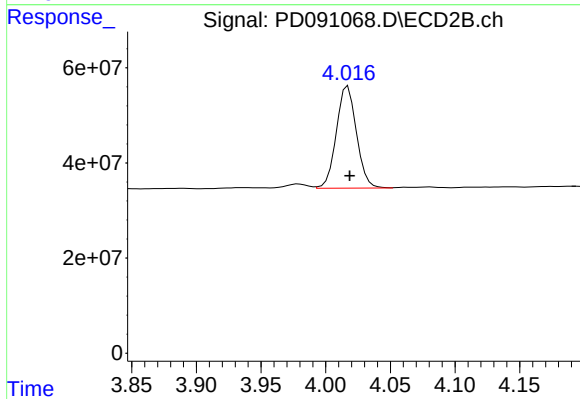
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 549100961
Conc: 11.62 ng/ml



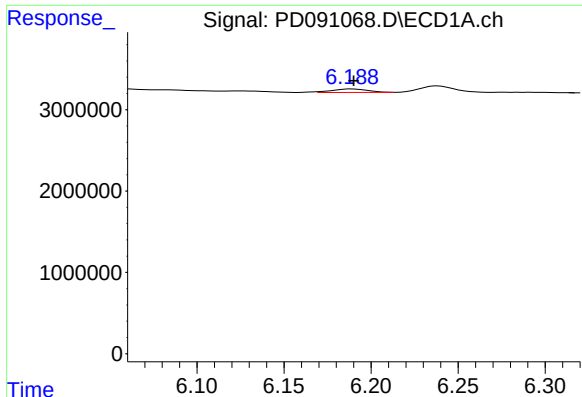
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 27439114
Conc: 10.47 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 232277272
Conc: 11.71 ng/ml



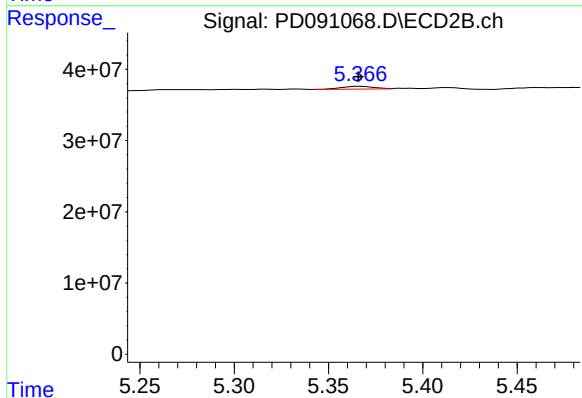
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 609045
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

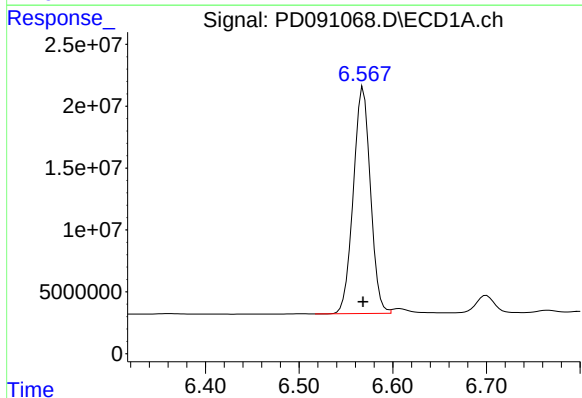
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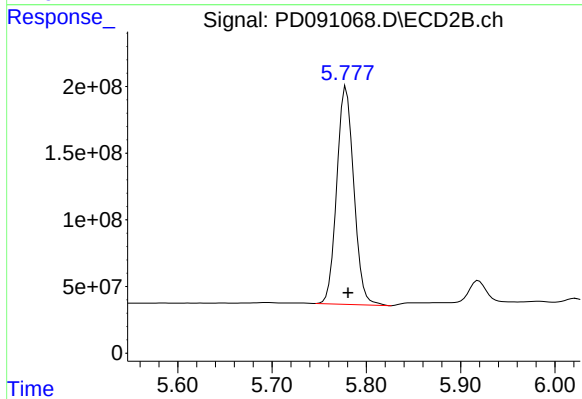
#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.001 min
Response: 4642438
Conc: 0.11 ng/ml



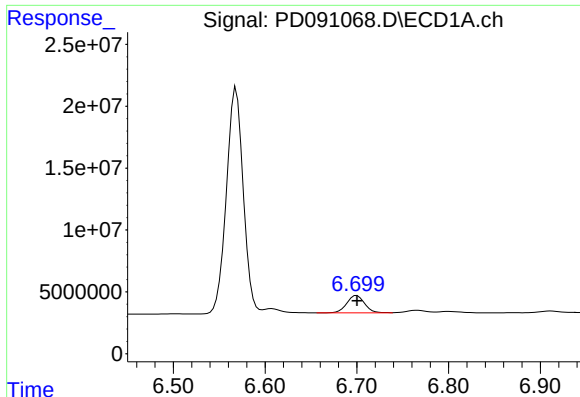
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 232345155
Conc: 46.90 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2054411441
Conc: 50.73 ng/ml



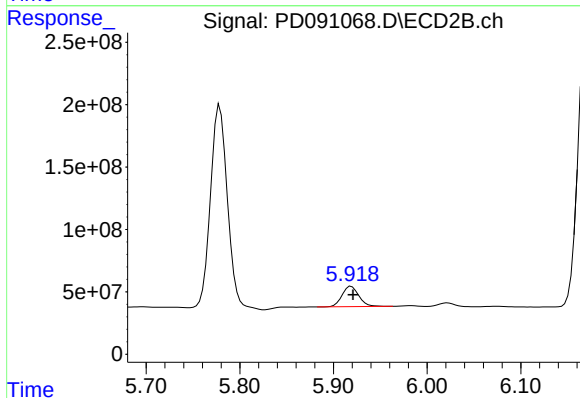
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 18987278
Conc: 4.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

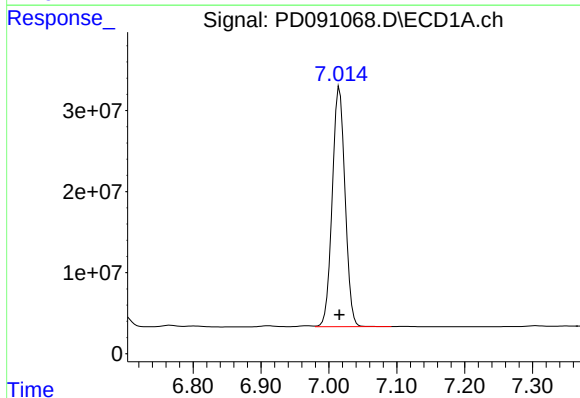
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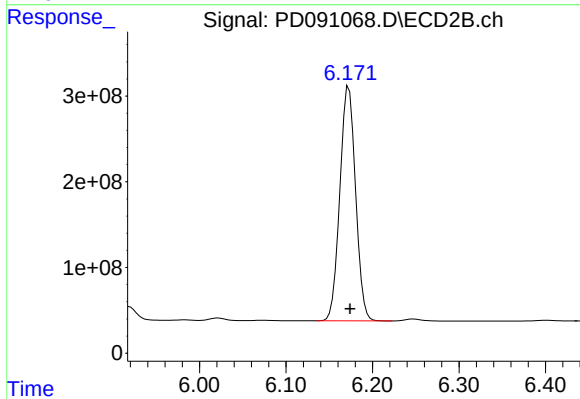
#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 203112457
Conc: 5.57 ng/ml



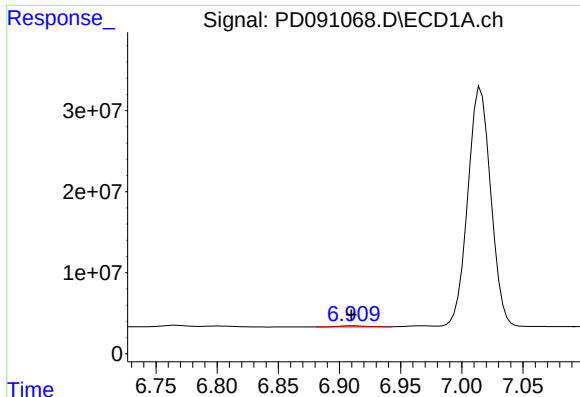
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 387600269
Conc: 94.30 ng/ml



#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.001 min
Response: 3434848647
Conc: 97.93 ng/ml



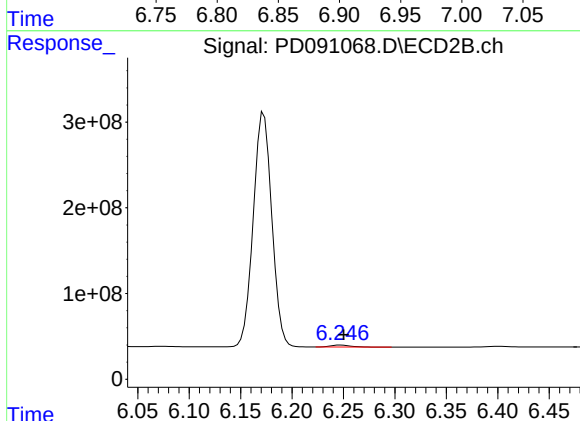
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 2224799
Conc: 0.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

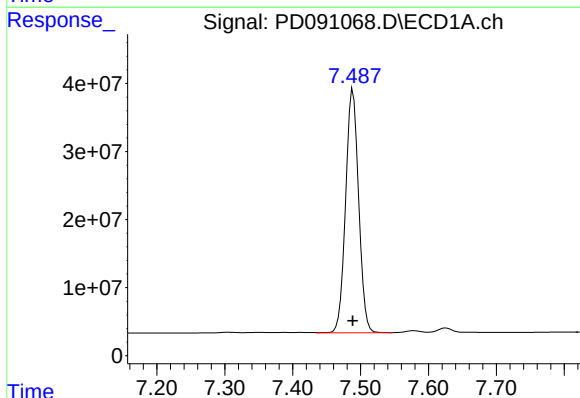
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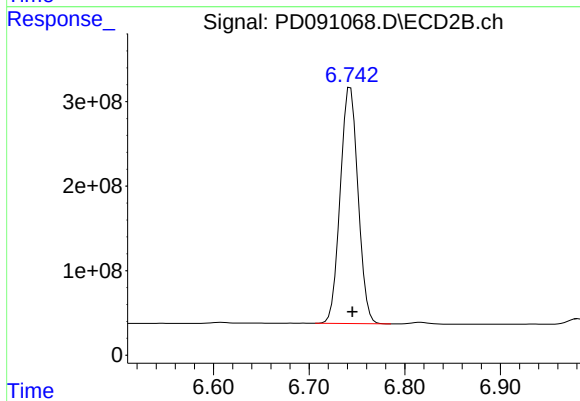
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 31192702
Conc: 1.13 ng/ml



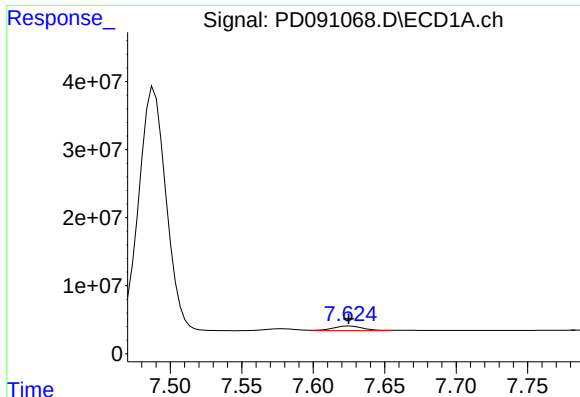
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 476410039
Conc: 224.13 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3620446392
Conc: 207.74 ng/ml



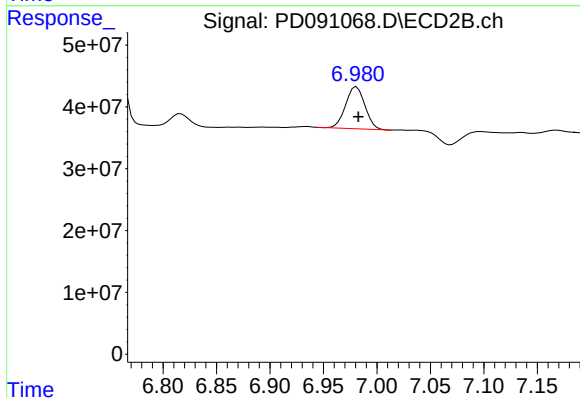
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 9731957
Conc: 2.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

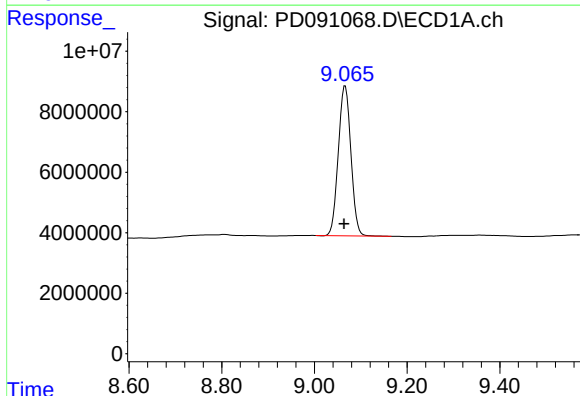
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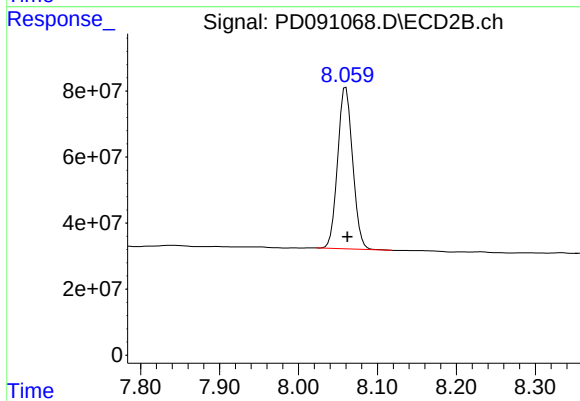
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 85397909
Conc: 2.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 93559085
Conc: 20.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 644287600
Conc: 21.27 ng/ml