

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 16:09
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:53:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.549	2.878	59482804	473.0E6	20.268	21.452
28)	SA Decachlor...	9.070	8.066	81254731	363.8E6	18.827	14.055 #
Target Compounds							
2)	A alpha-BHC	3.998	3.388	57914115	382.9E6	9.649	11.283m
3)	MA gamma-BHC...	4.329	3.726	56561252	352.7E6	9.877	11.315
6)	B beta-BHC	4.515	4.022	23330801	149.7E6	10.402	11.227
14)	MA Endrin	6.573	5.784	191.5E6	1182.4E6	46.215	44.398
16)	A 4,4'-DDD	6.702	5.925	3336661	29128152	0.965m	1.211 #
17)	MA 4,4'-DDT	7.019	6.178	336.6E6	2030.2E6	88.346	80.984
18)	B Endrin al...	6.915	6.253	1029458	10287100	0.359	0.597 #
20)	A Methoxychlor	7.492	6.749	417.2E6	2126.6E6	207.992	164.909
21)	B Endrin ke...	7.627	6.984	3846985	39255902	0.928m	1.473m#

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

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Acq On : 22 Aug 2025 16:09
Operator : AR\AJ
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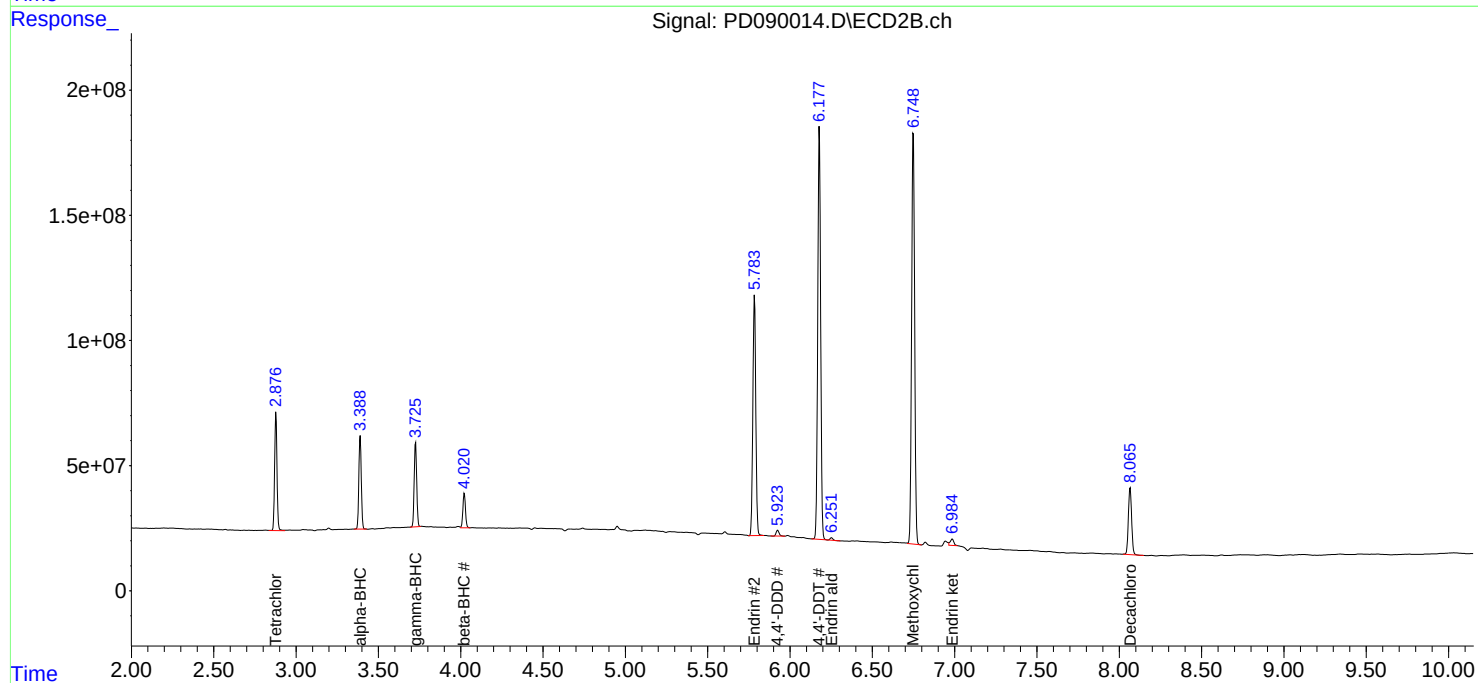
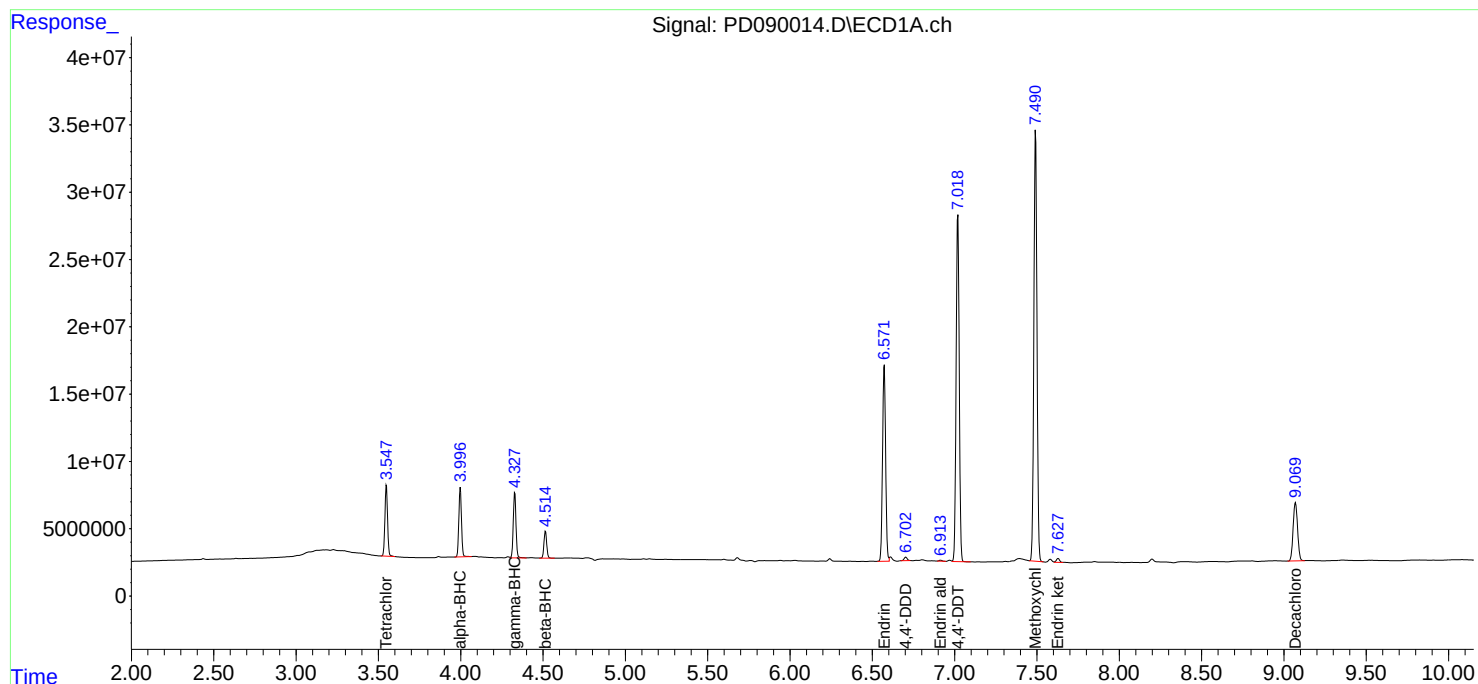
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ClientSampleId :
PEM

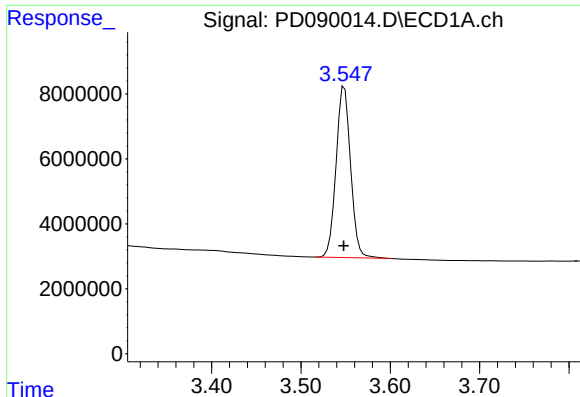
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
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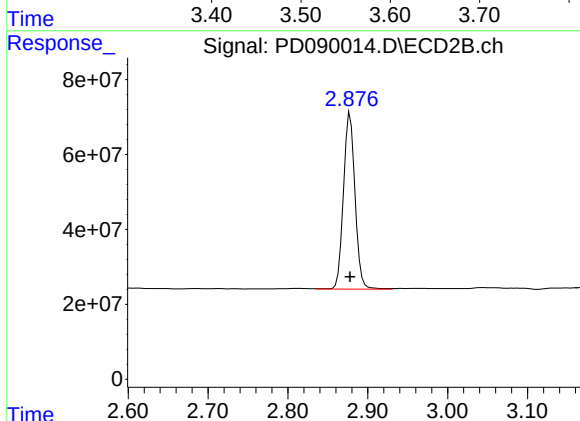
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 59482804
Conc: 20.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

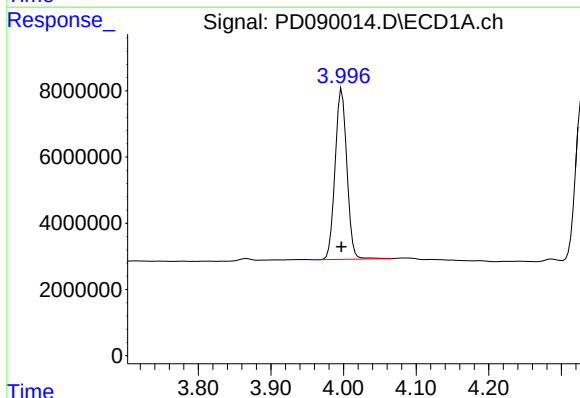
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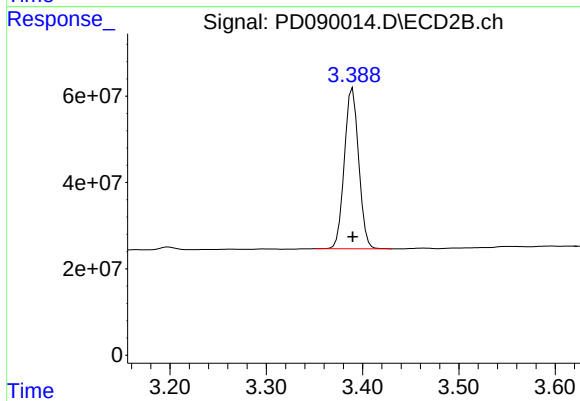
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 473029362
Conc: 21.45 ng/ml



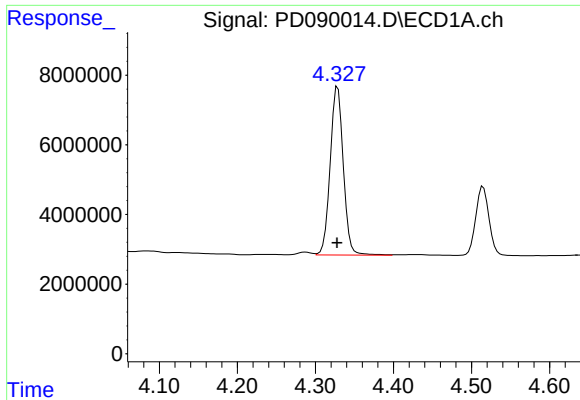
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 57914115
Conc: 9.65 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 382938859
Conc: 11.28 ng/ml m



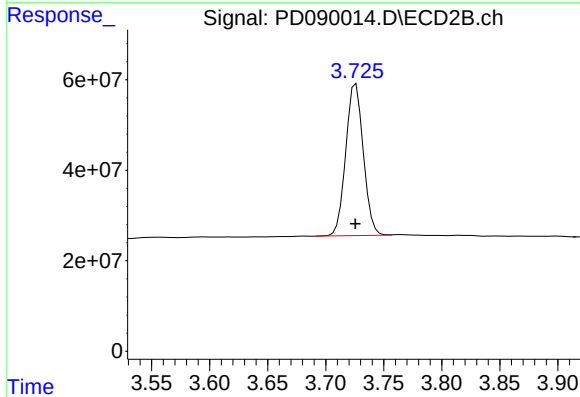
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 56561252
Conc: 9.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

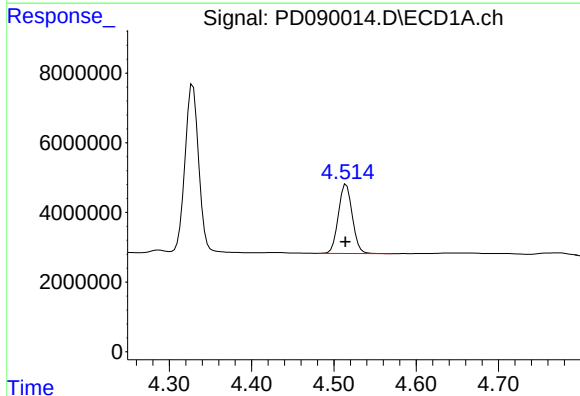
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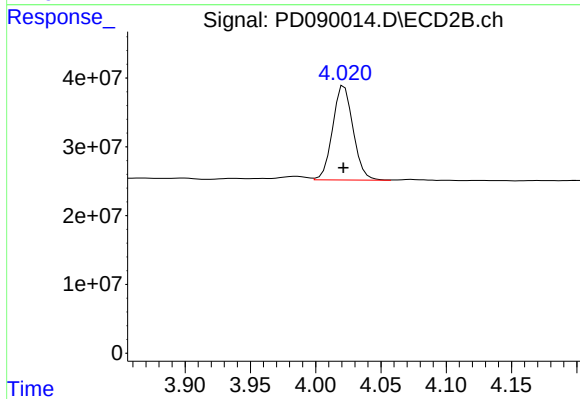
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 352685111
Conc: 11.31 ng/ml



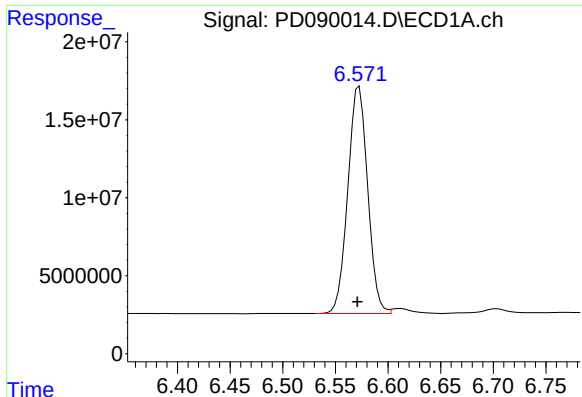
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 23330801
Conc: 10.40 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 149653448
Conc: 11.23 ng/ml



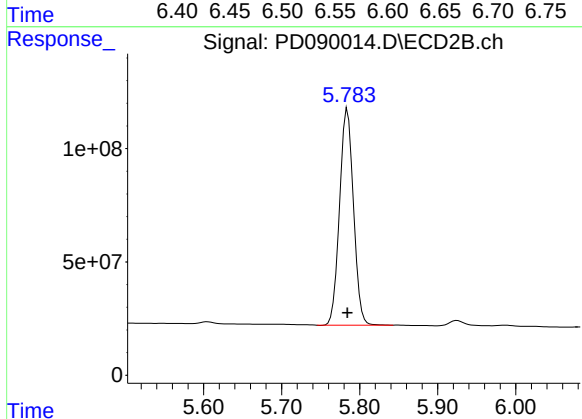
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 191494224
Conc: 46.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

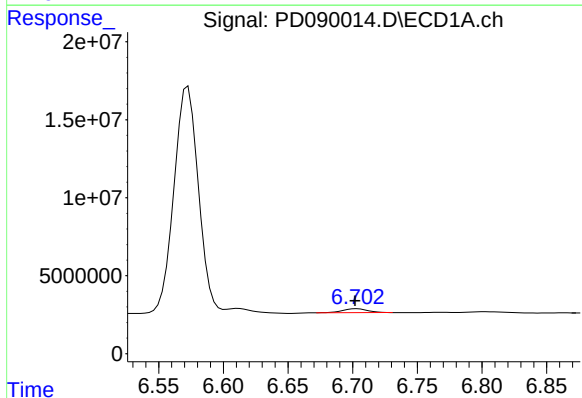
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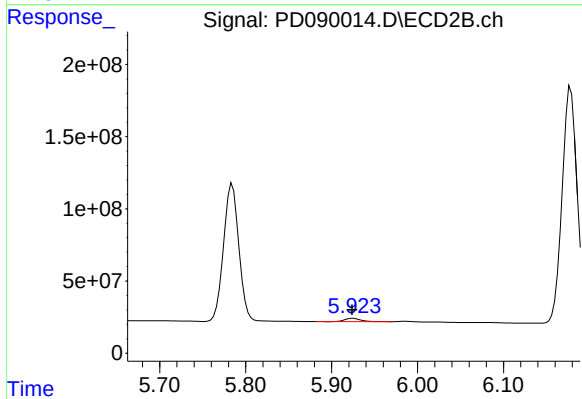
#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1182423197
Conc: 44.40 ng/ml



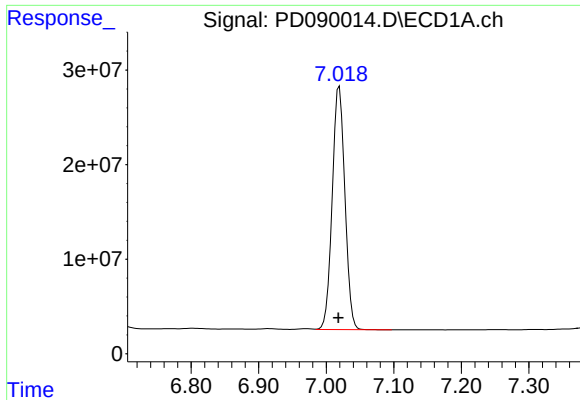
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 3336661
Conc: 0.96 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 29128152
Conc: 1.21 ng/ml



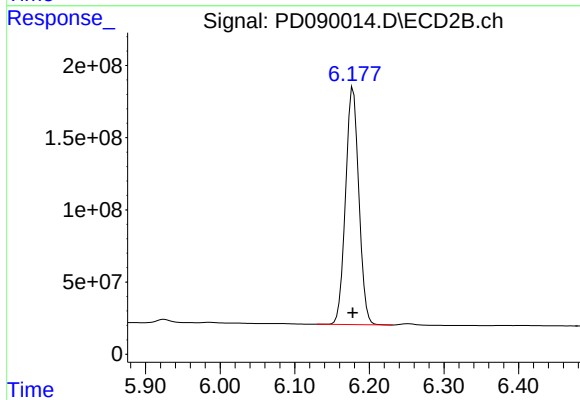
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 336575867
Conc: 88.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

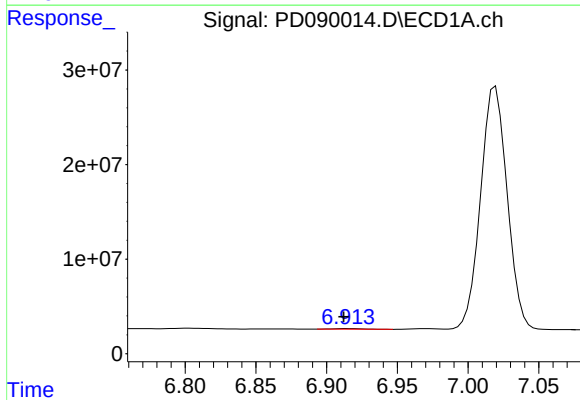
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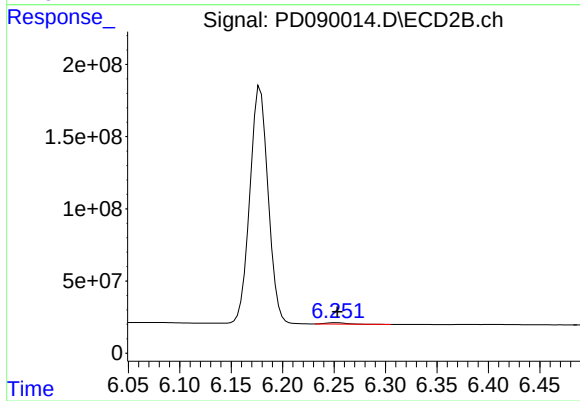
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 2030240743
Conc: 80.98 ng/ml



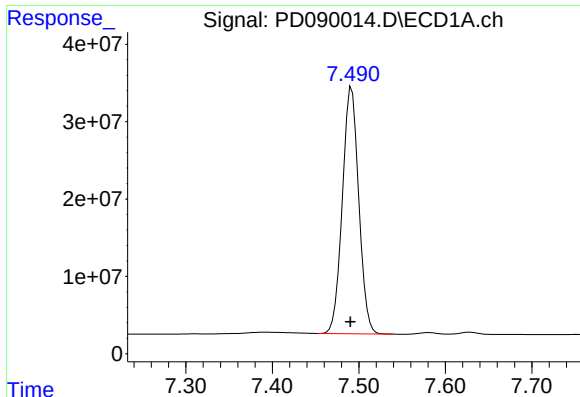
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.003 min
Response: 1029458
Conc: 0.36 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 10287100
Conc: 0.60 ng/ml



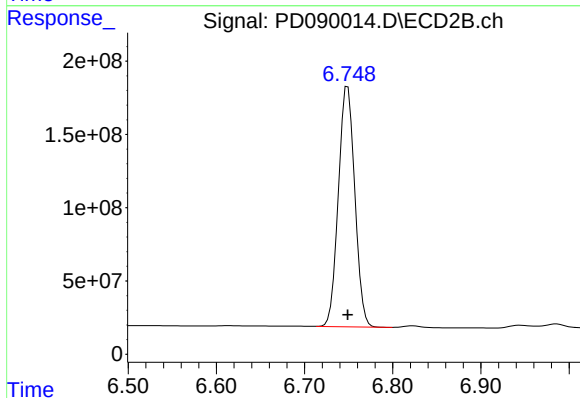
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.001 min
Response: 417153267
Conc: 207.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

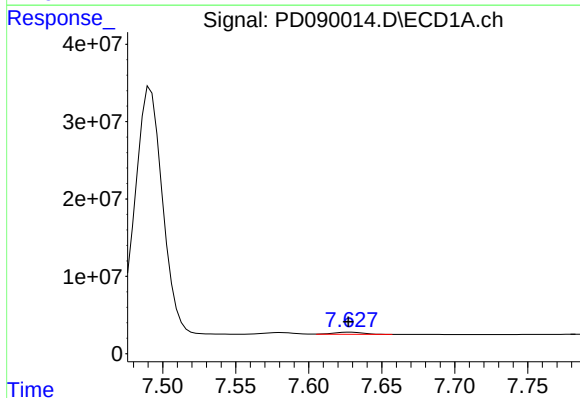
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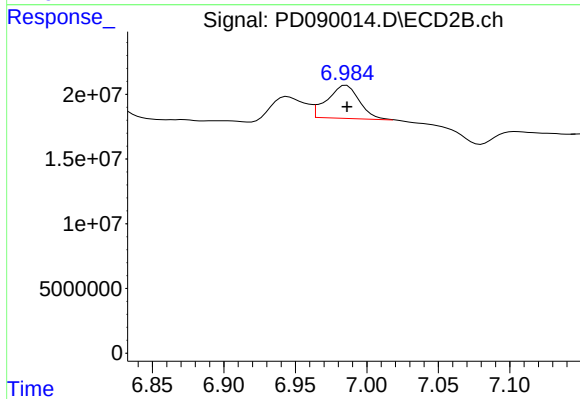
#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2126626249
Conc: 164.91 ng/ml



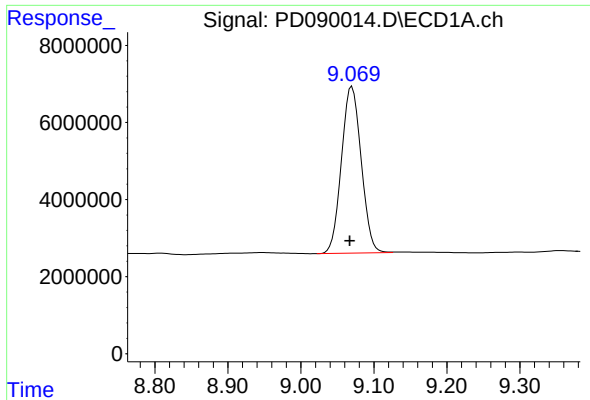
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 3846985
Conc: 0.93 ng/ml m



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 39255902
Conc: 1.47 ng/ml m



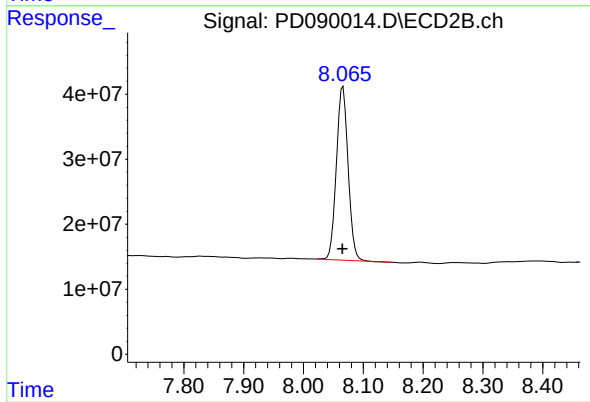
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 81254731
Conc: 18.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 363834005
Conc: 14.06 ng/ml