

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
 Data File : PD089802.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Aug 2025 14:38
 Operator : AR\AJ
 Sample : Q2779-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-4MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/08/2025
 Supervised By : mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 23:17:07 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...	3.546	2.876	35860216	297.8E6	14.538m	18.802m#
2)	SA Decachlor...	9.071	8.065	73092485	221.7E6	19.668	11.044 #
Target Compounds							
2)	A alpha-BHC	3.995	3.388	222.7E6	1121.9E6	44.965m	46.161m
3)	MA gamma-BHC...	4.327	3.725	236.7E6	1057.2E6	49.812	46.937
4)	MA Heptachlor	4.924	4.078	189.0E6	1110.2E6	39.276m	47.835
5)	MB Aldrin	5.267	4.364	197.7E6	958.8E6	43.315	43.090
6)	B beta-BHC	4.514	4.021	75189416	474.9E6	40.760	49.212
7)	B delta-BHC	4.762	4.258	197.8E6	1051.8E6	43.132	46.304
8)	B Heptachlo...	5.687	4.867	178.6E6	958.3E6	42.730	46.632
9)	A Endosulfan I	6.070	5.243	170.8E6	662.3E6	43.085	33.883
10)	B gamma-Chl...	5.942	5.121	185.9E6	1136.3E6	44.482	52.479
11)	B alpha-Chl...	6.023	5.185	181.5E6	970.9E6	43.182	46.628
12)	B 4,4'-DDE	6.192	5.369	171.3E6	886.6E6	45.924	41.946
13)	MA Dieldrin	6.342	5.507	162.5E6	1001.6E6	38.475m	46.287
14)	MA Endrin	6.570	5.782	138.2E6	746.9E6	38.632	37.483m
15)	B Endosulfa...	6.782	6.074	124.2E6	741.0E6	33.848	39.416m
16)	A 4,4'-DDD	6.701	5.924	203.3E6	912.6E6	67.876	51.756
17)	MA 4,4'-DDT	7.015	6.176	126.6E6	742.3E6	37.682m	40.400
18)	B Endrin al...	6.910	6.253	102.9E6	544.0E6	41.249m	42.106
19)	B Endosulfa...	7.145	6.476	128.4E6	656.7E6	37.000	35.372
20)	A Methoxychlor	7.488	6.747	52140889	378.8E6	29.162m	38.675 #
21)	B Endrin ke...	7.626	6.985	139.5E6	576.5E6	37.547	28.728
22)	Mirex	8.107	7.178	128.9E6	457.1E6	46.231m	30.032m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089802.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 14:38
Operator : AR\AJ
Sample : Q2779-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

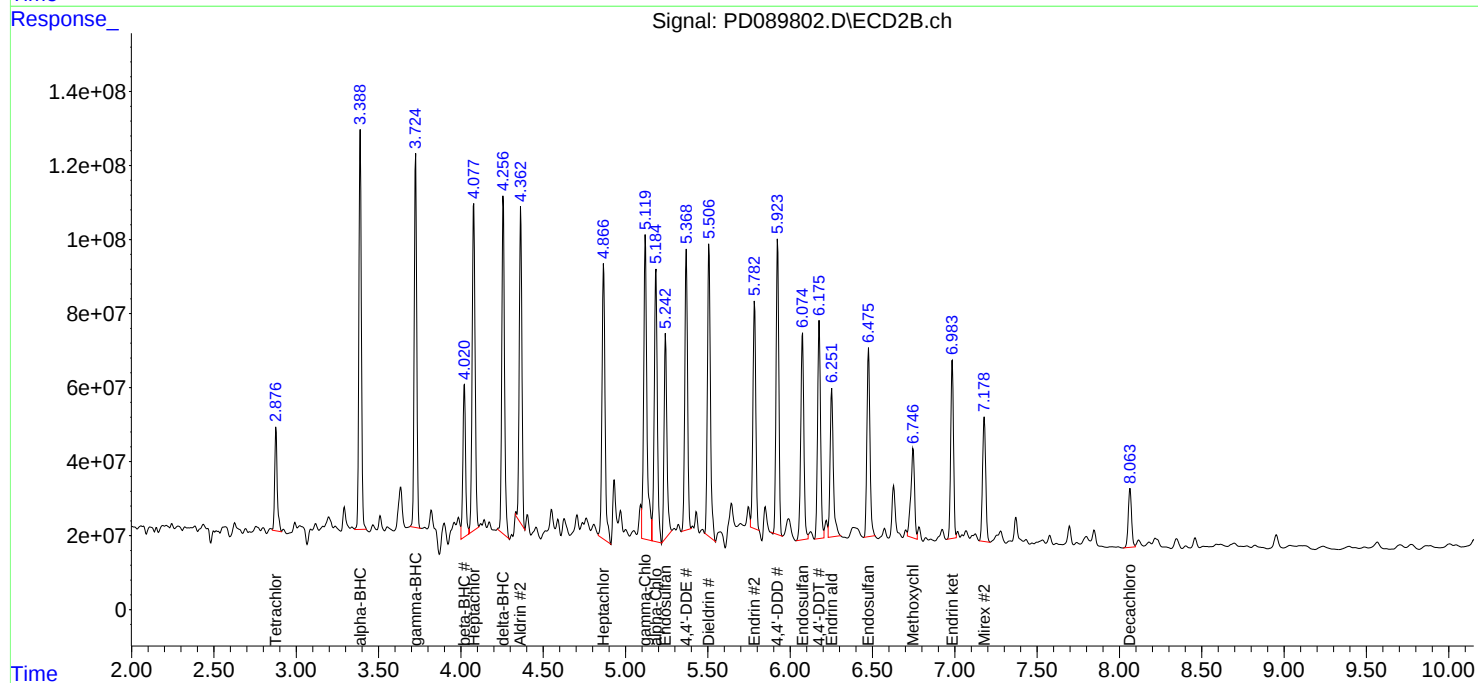
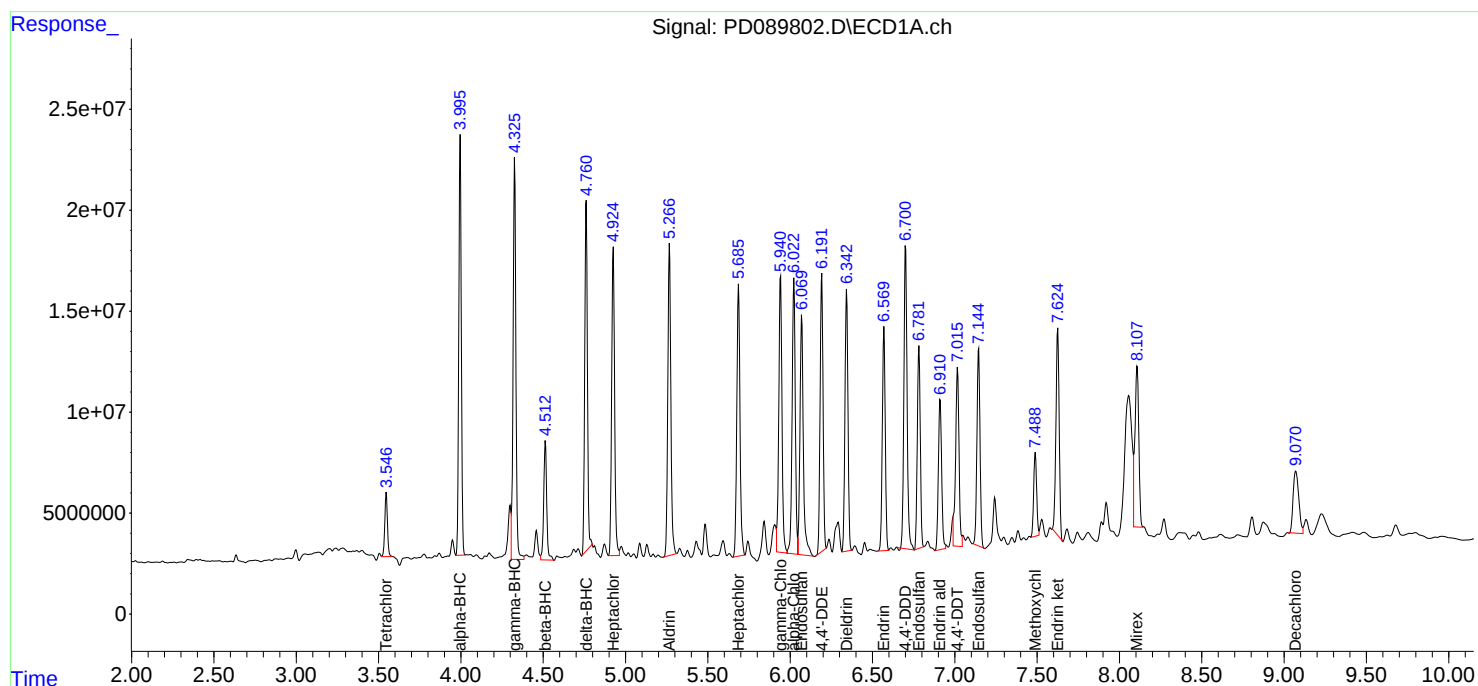
Instrument :
ECD_D
ClientSampleId :
TP-4MS

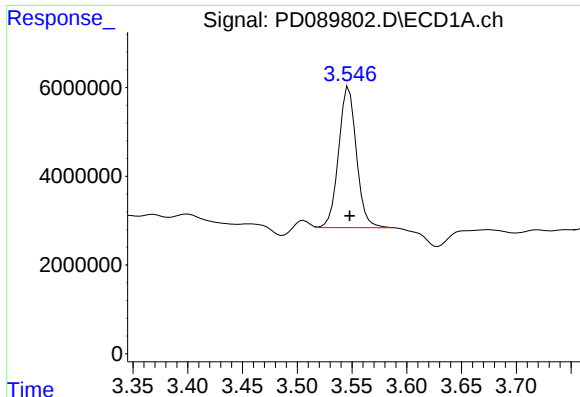
Manual Integrations
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Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:17:07 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





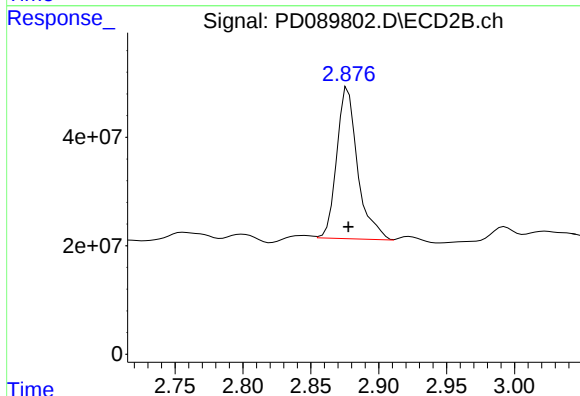
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 35860216
Conc: 14.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

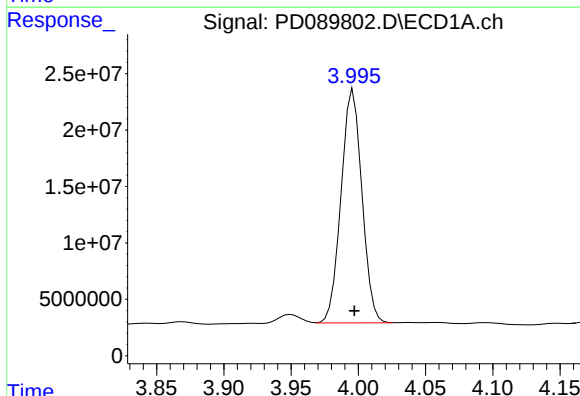
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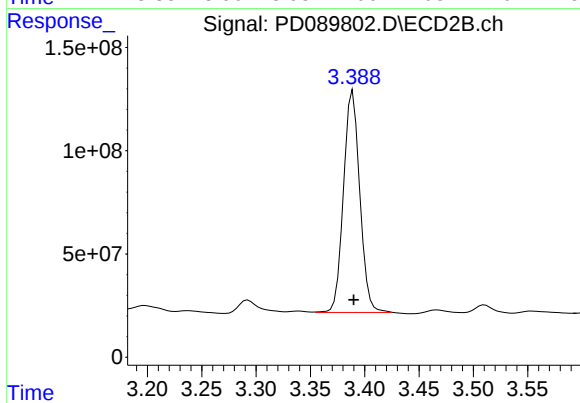
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 297782710
Conc: 18.80 ng/ml m



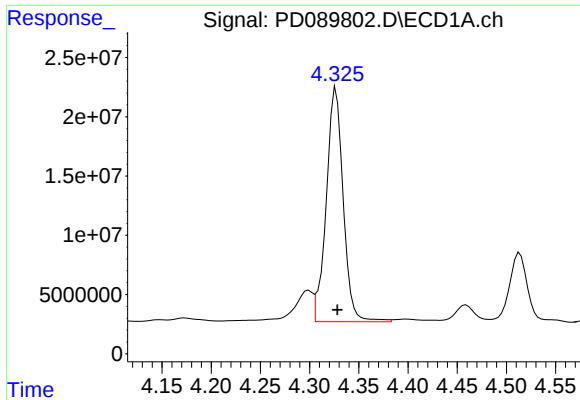
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 222733453
Conc: 44.96 ng/ml m



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1121945578
Conc: 46.16 ng/ml m



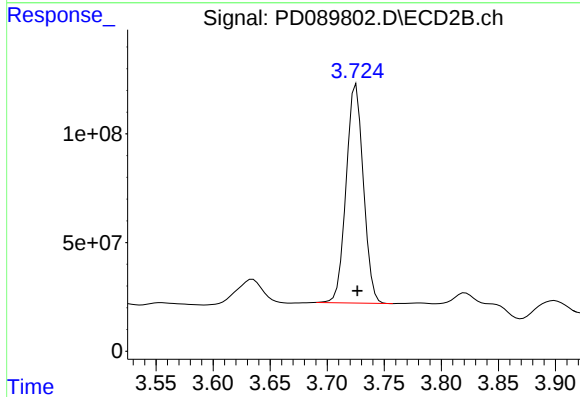
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 236724710
Conc: 49.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

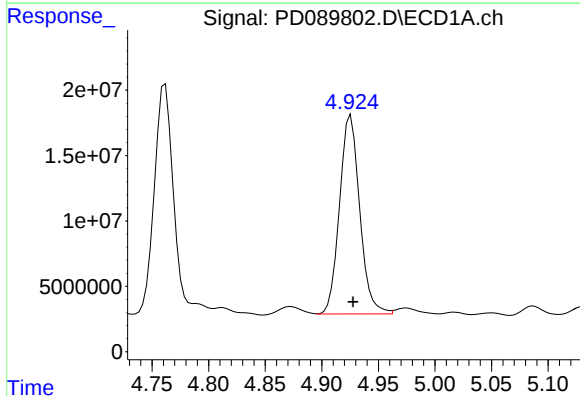
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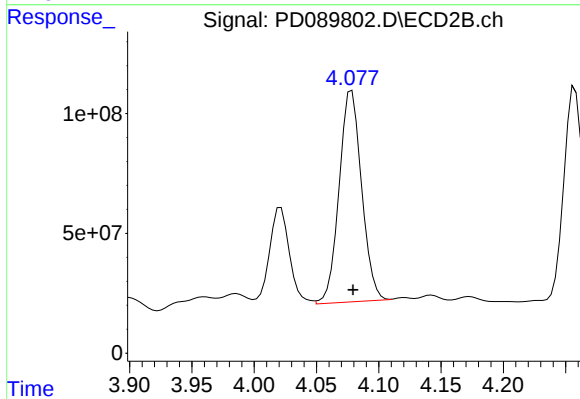
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1057218583
Conc: 46.94 ng/ml



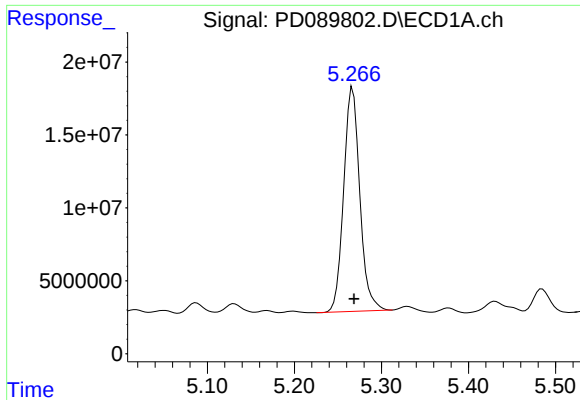
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.003 min
Response: 188975978
Conc: 39.28 ng/ml m



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.001 min
Response: 1110213521
Conc: 47.84 ng/ml



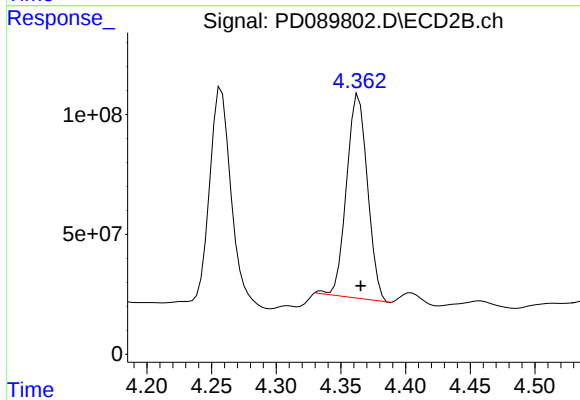
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 197727831
Conc: 43.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

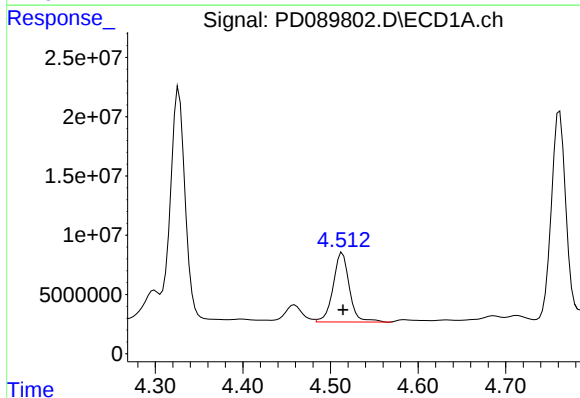
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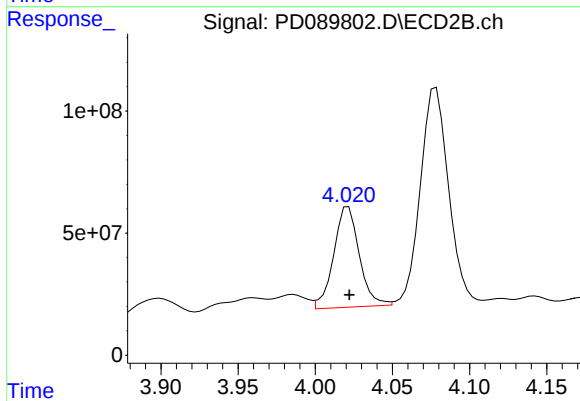
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 958794191
Conc: 43.09 ng/ml



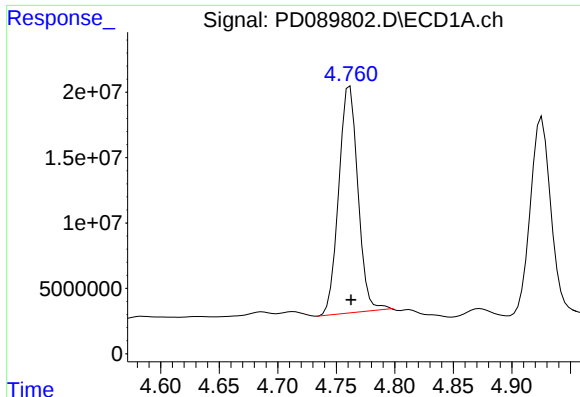
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 75189416
Conc: 40.76 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 474850475
Conc: 49.21 ng/ml



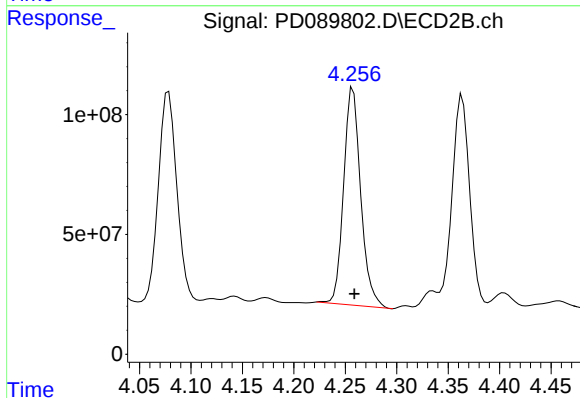
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.001 min
Response: 197812899
Conc: 43.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

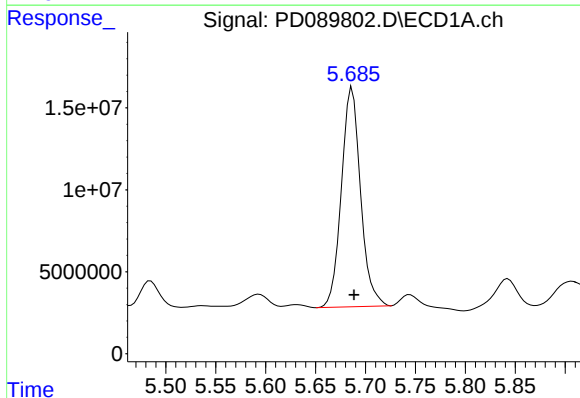
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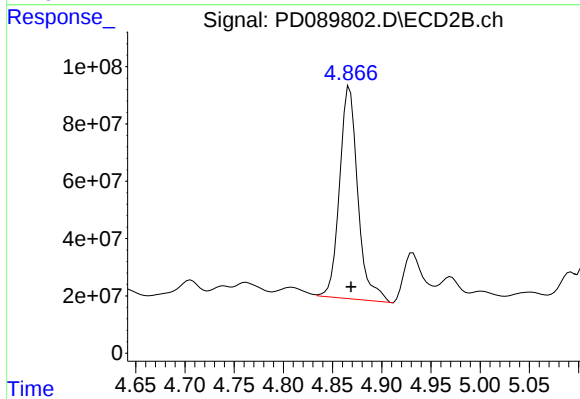
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.001 min
Response: 1051802946
Conc: 46.30 ng/ml



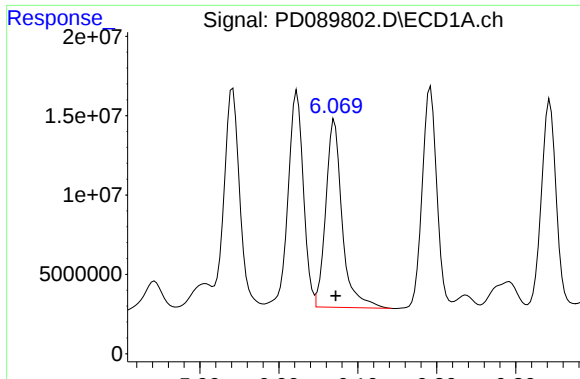
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 178640261
Conc: 42.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 958283233
Conc: 46.63 ng/ml



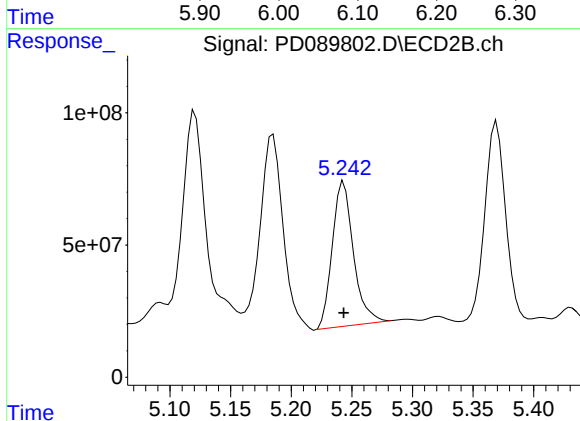
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 170771242
Conc: 43.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

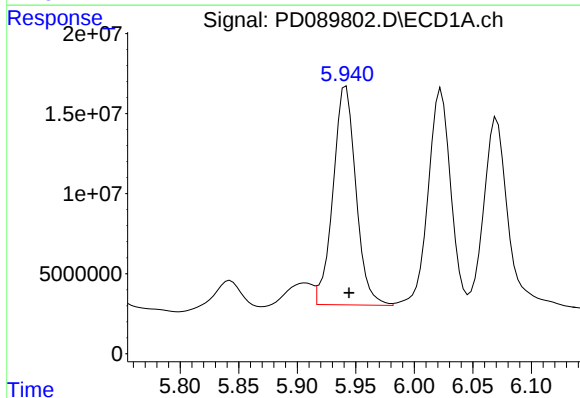
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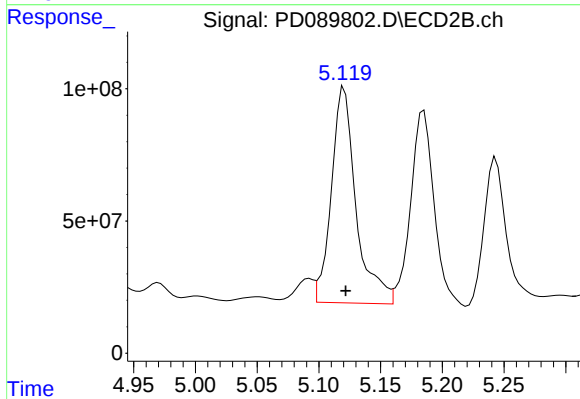
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 662348985
Conc: 33.88 ng/ml



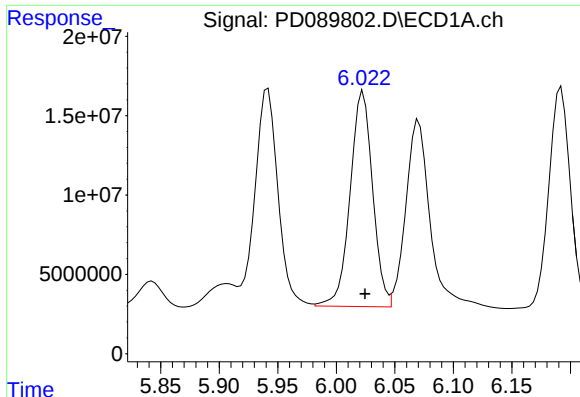
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 185894573
Conc: 44.48 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 1136341439
Conc: 52.48 ng/ml



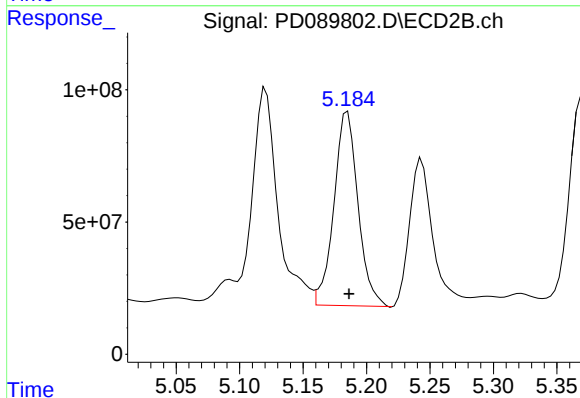
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 181546342
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

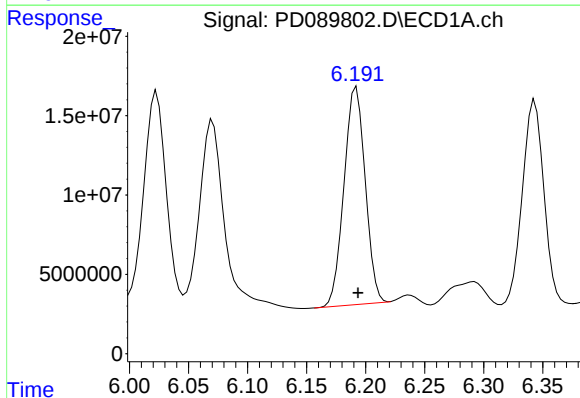
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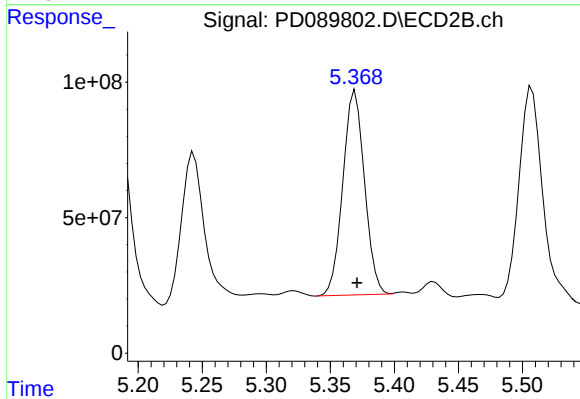
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 970887473
Conc: 46.63 ng/ml



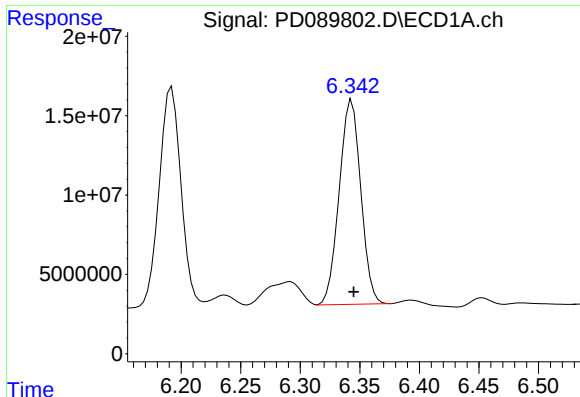
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 171286644
Conc: 45.92 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.002 min
Response: 886620267
Conc: 41.95 ng/ml



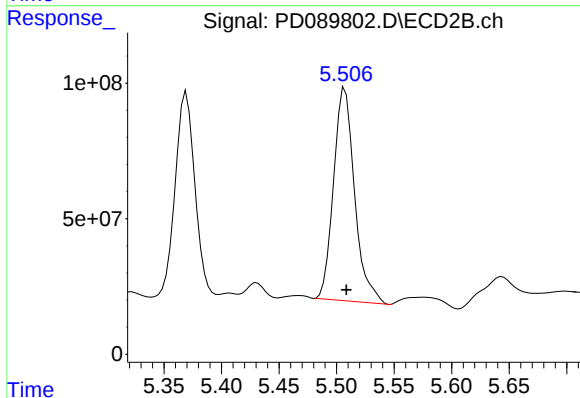
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 162494732
Conc: 38.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

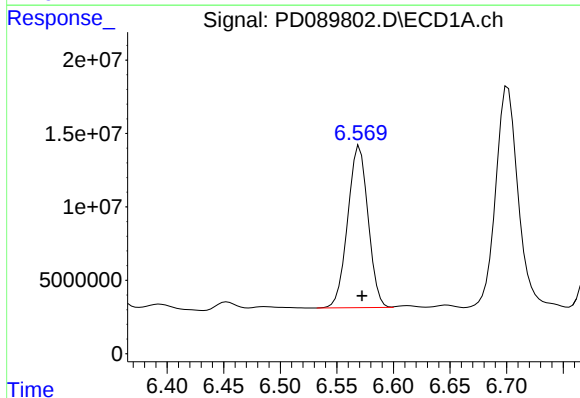
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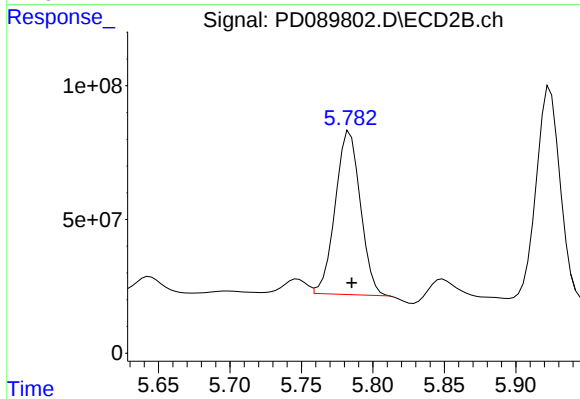
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.001 min
Response: 1001597548
Conc: 46.29 ng/ml



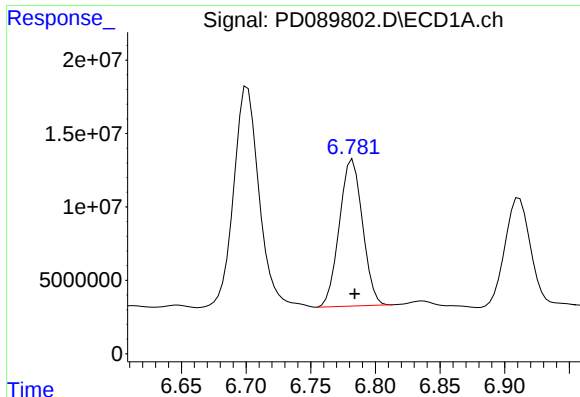
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 138214651
Conc: 38.63 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.003 min
Response: 746864728
Conc: 37.48 ng/ml m



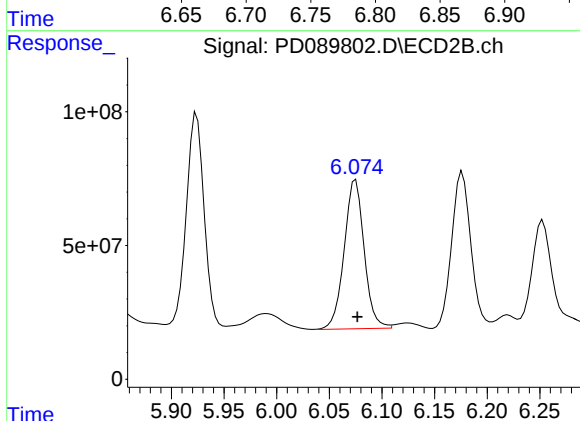
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: -0.002 min
Response: 124202439
Conc: 33.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

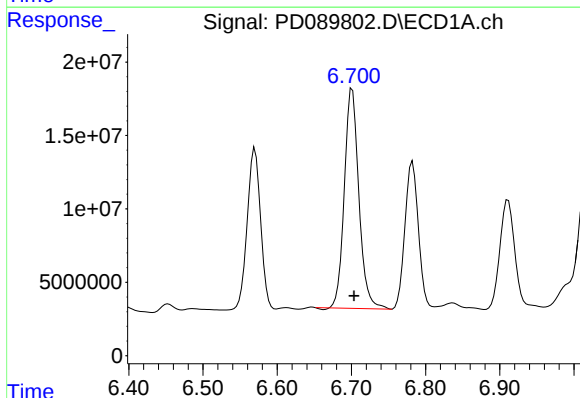
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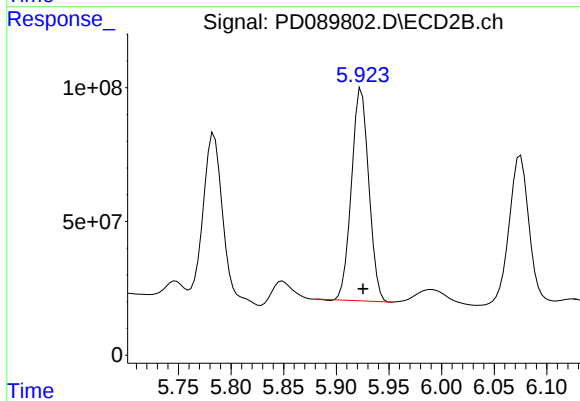
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 741010325
Conc: 39.42 ng/ml m



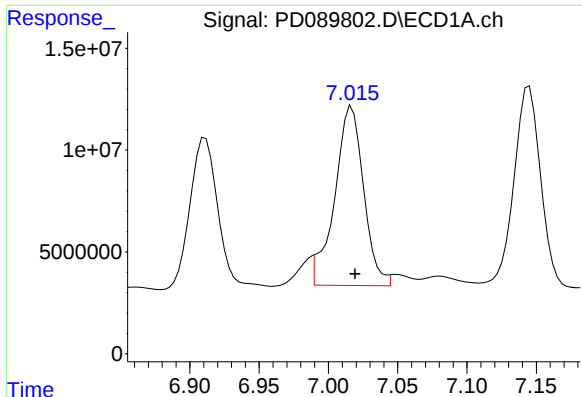
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 203276730
Conc: 67.88 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 912592779
Conc: 51.76 ng/ml



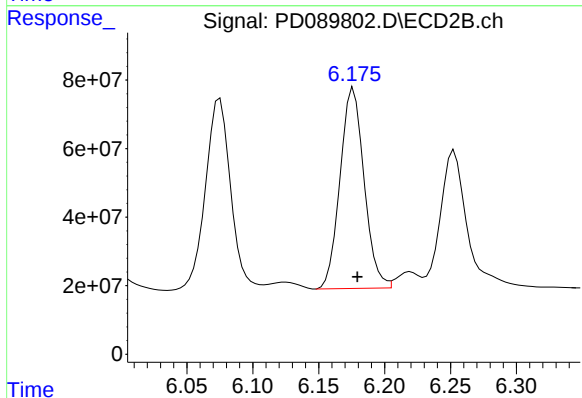
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.004 min
Response: 126620258
Conc: 37.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

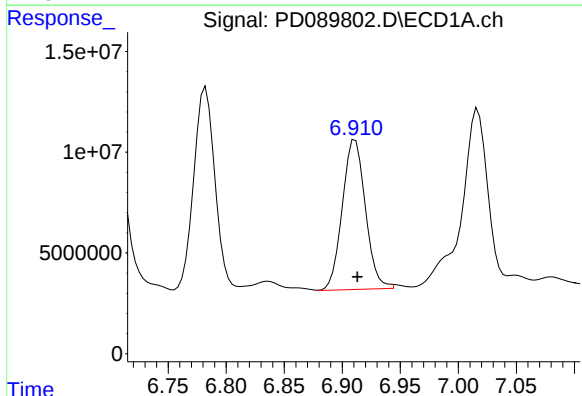
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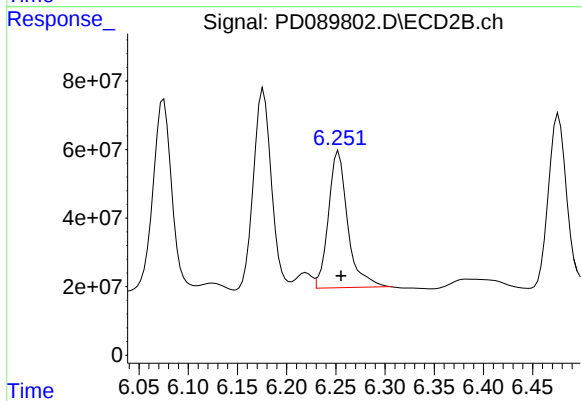
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 742261539
Conc: 40.40 ng/ml



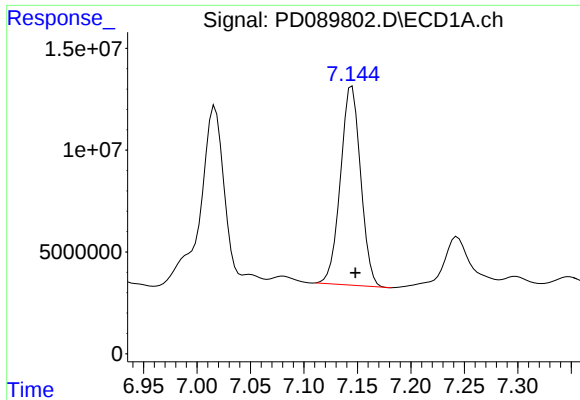
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.003 min
Response: 102940442
Conc: 41.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 544021804
Conc: 42.11 ng/ml



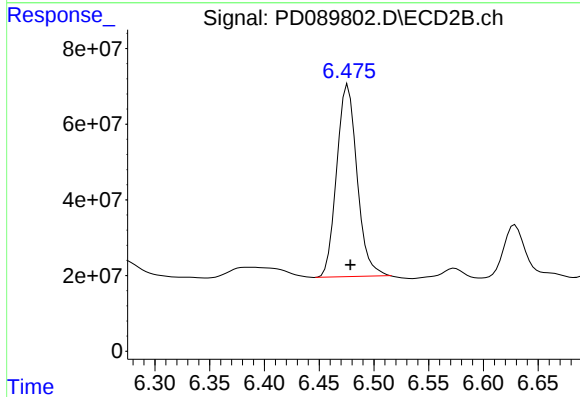
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: -0.003 min
Response: 128393203
Conc: 37.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

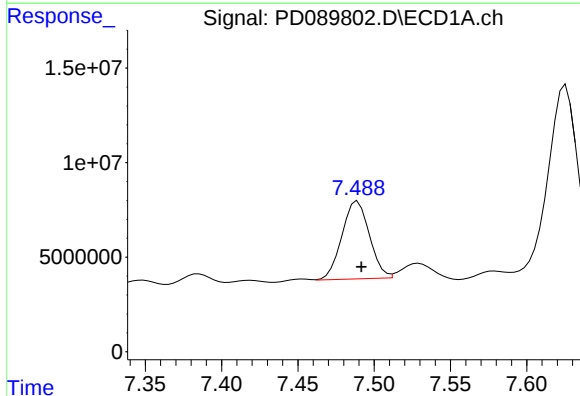
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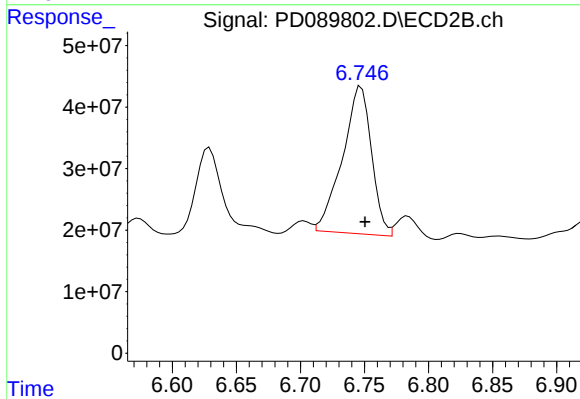
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.002 min
Response: 656697369
Conc: 35.37 ng/ml



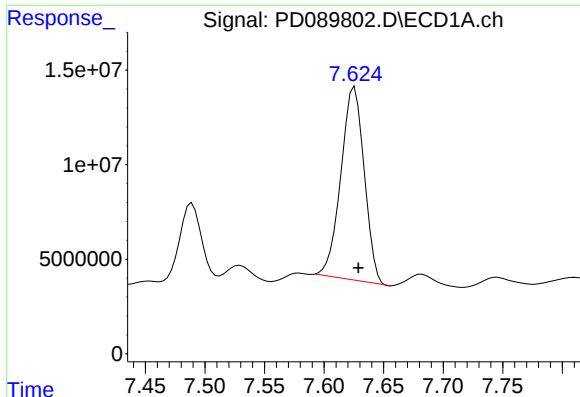
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.004 min
Response: 52140889
Conc: 29.16 ng/ml m



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 378843576
Conc: 38.68 ng/ml



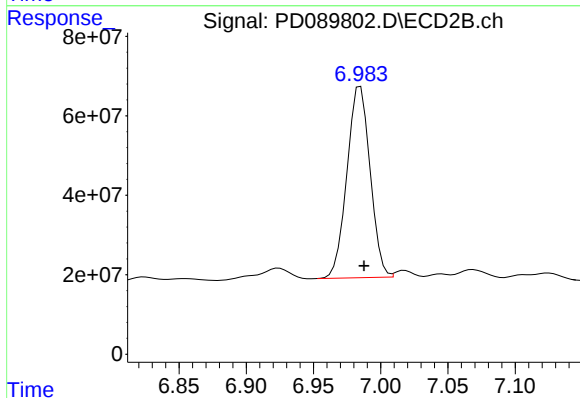
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.003 min
Response: 139453844
Conc: 37.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

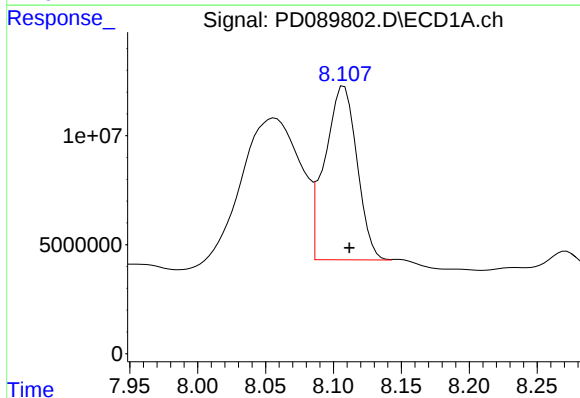
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



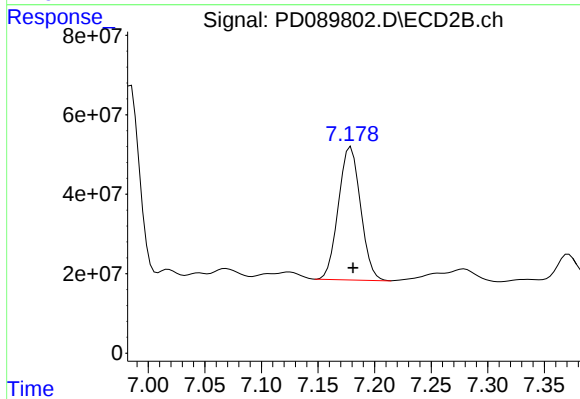
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 576517917
Conc: 28.73 ng/ml



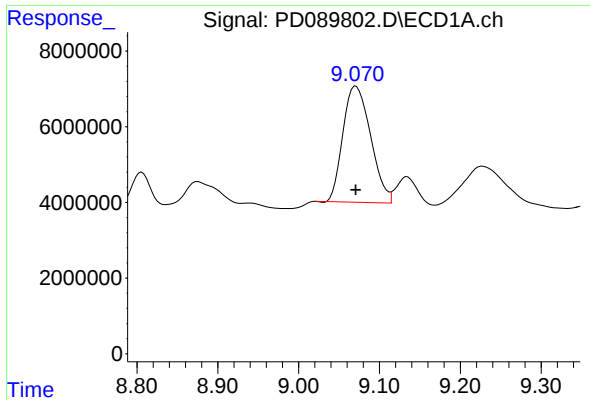
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.005 min
Response: 128906883
Conc: 46.23 ng/ml m



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.003 min
Response: 457126737
Conc: 30.03 ng/ml m



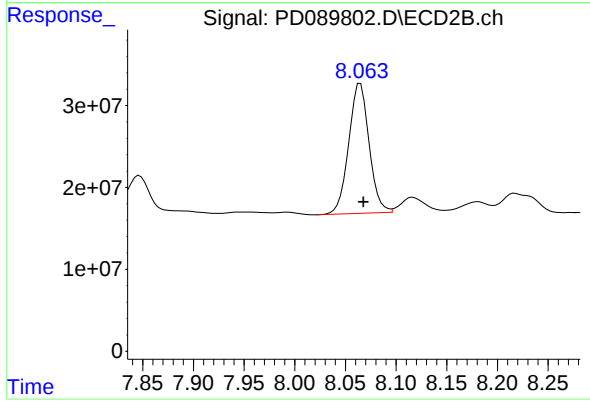
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 73092485
Conc: 19.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 221731752
Conc: 11.04 ng/ml