

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 18:23
 Operator : AR\AJ
 Sample : Q2514-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-92MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:26:43 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	54938373	359.4E6	19.255	21.199m
28)	SA Decachlor...	9.071	8.070	54539068	214.0E6	13.886	10.825
Target Compounds							
2)	A alpha-BHC	3.999	3.392	251.1E6	1256.8E6	43.077	46.901m
3)	MA gamma-BHC...	4.330	3.727	239.5E6	1165.9E6	42.907	47.095m
4)	MA Heptachlor	4.929	4.082	233.5E6	1145.9E6	42.827	45.767
5)	MB Aldrin	5.270	4.368	219.4E6	1104.5E6	41.287	45.608
6)	B beta-BHC	4.515	4.024	91390303	499.1E6	41.407	46.440
7)	B delta-BHC	4.764	4.261	237.5E6	1133.0E6	46.263	45.550
8)	B Heptachlo...	5.690	4.870	186.3E6	972.0E6	38.624	44.386m
9)	A Endosulfan I	6.073	5.245	172.0E6	925.9E6	38.154	44.424
10)	B gamma-Chl...	5.945	5.123	184.8E6	1011.4E6	38.603	42.278m
11)	B alpha-Chl...	6.026	5.188	184.6E6	1000.5E6	38.149	43.696
12)	B 4,4'-DDE	6.195	5.373	160.6E6	971.9E6	36.817	42.411
13)	MA Dieldrin	6.346	5.511	174.5E6	932.4E6	36.378	40.173
14)	MA Endrin	6.573	5.788	151.5E6	842.9E6	36.720	38.818
15)	B Endosulfa...	6.785	6.079	140.6E6	738.1E6	34.838	36.543
16)	A 4,4'-DDD	6.704	5.928	120.8E6	688.2E6	35.208	35.979
17)	MA 4,4'-DDT	7.020	6.182	127.0E6	743.9E6	33.524	36.683
18)	B Endrin al...	6.914	6.258	108.8E6	548.4E6	35.525	35.816
19)	B Endosulfa...	7.148	6.481	127.2E6	701.2E6	33.151	35.736
20)	A Methoxychlor	7.492	6.753	64030454	366.7E6	31.688	34.051
21)	B Endrin ke...	7.629	6.990	134.5E6	691.6E6	33.021	32.014
22)	Mirex	8.112	7.183	96816310	499.8E6	31.846	29.967

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

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Data File : PD089362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:23
Operator : AR\AJ
Sample : Q2514-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

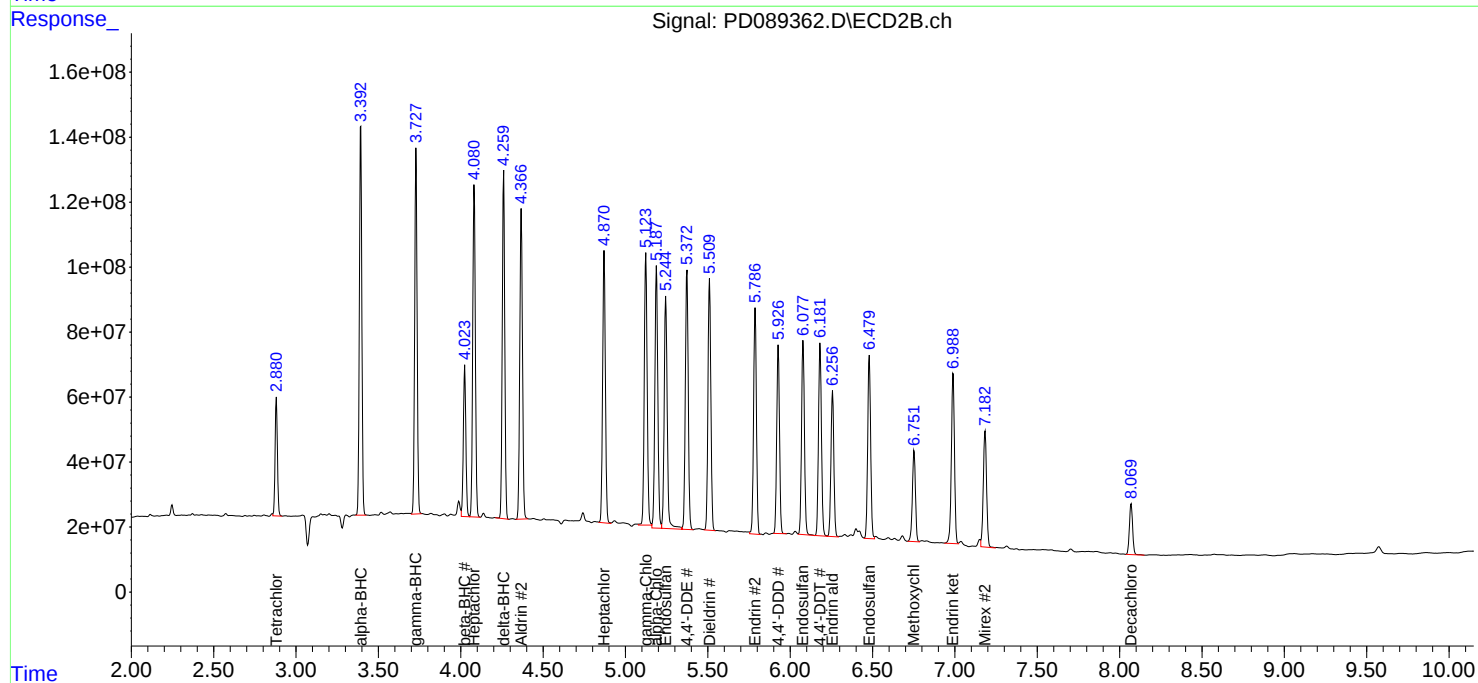
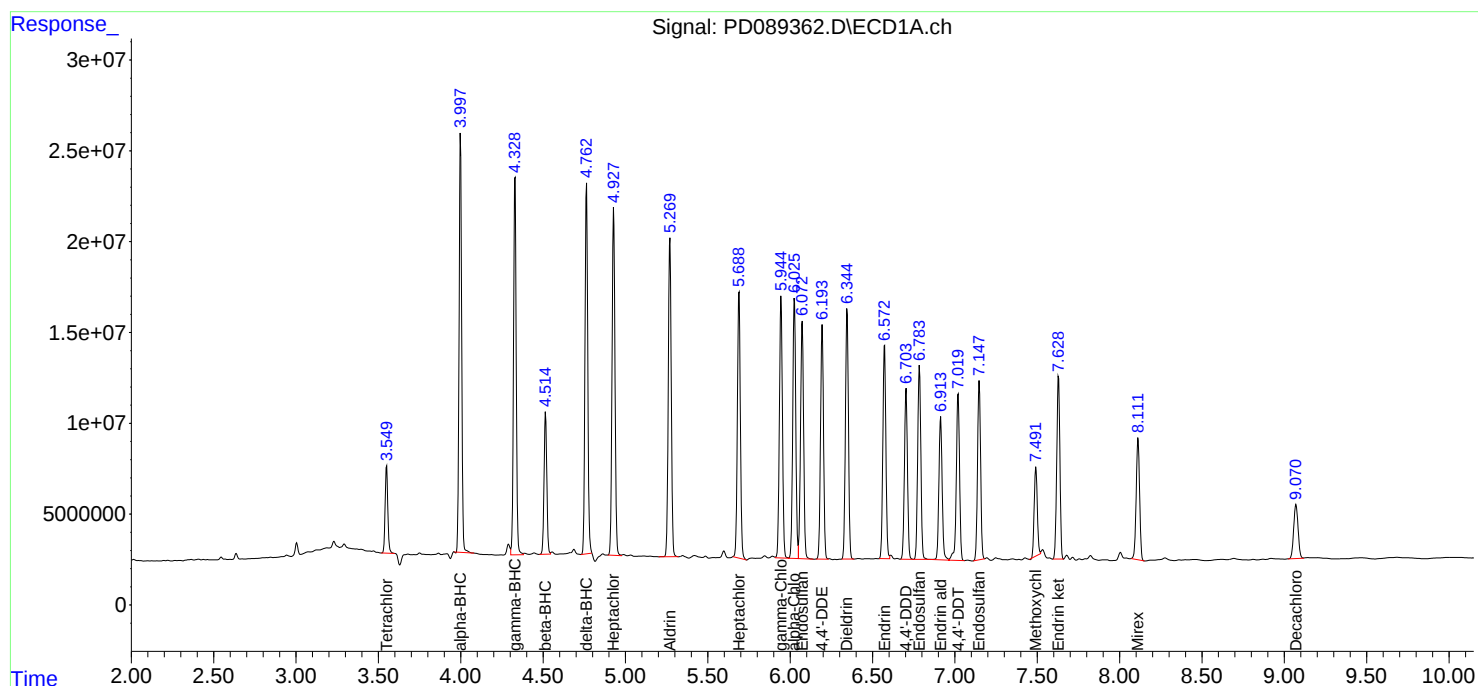
Instrument :
ECD_D
ClientSampleId :
TP-92MSD

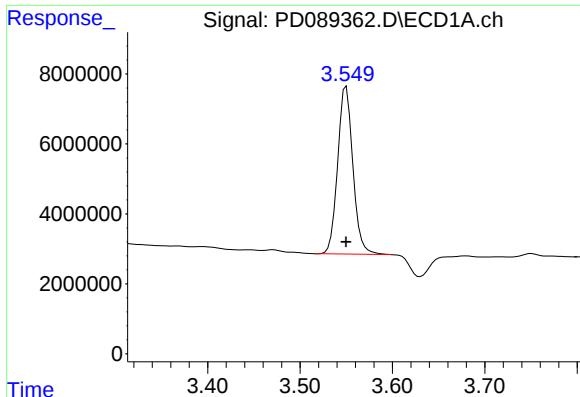
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:26:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





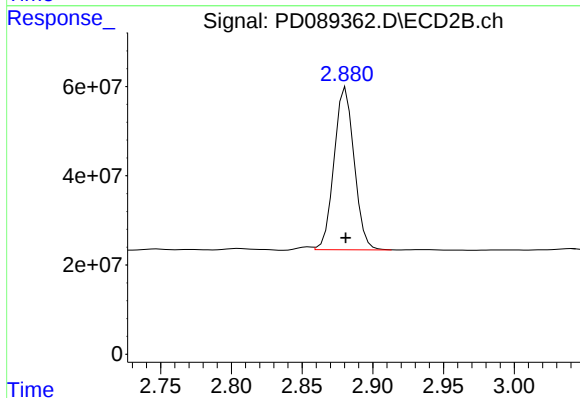
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54938373
Conc: 19.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

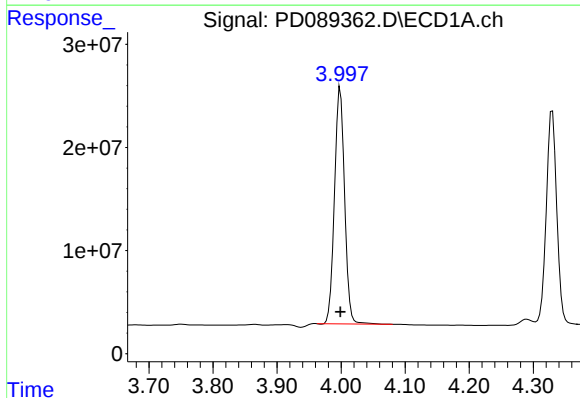
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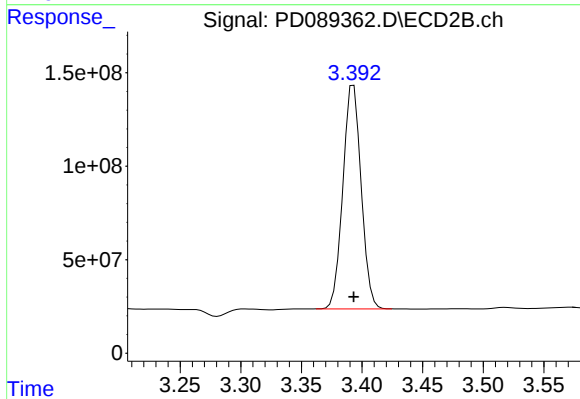
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 359383819
Conc: 21.20 ng/ml m



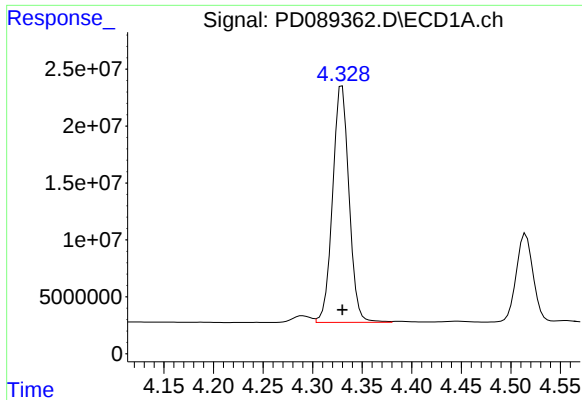
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 251101486
Conc: 43.08 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1256818720
Conc: 46.90 ng/ml m



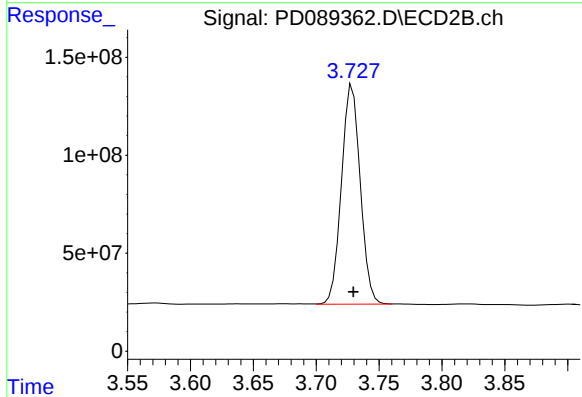
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 239492302
Conc: 42.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

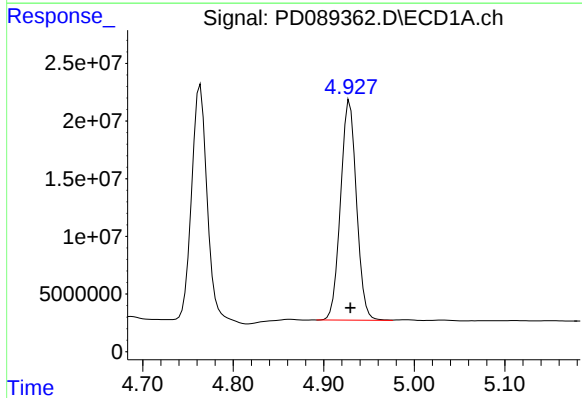
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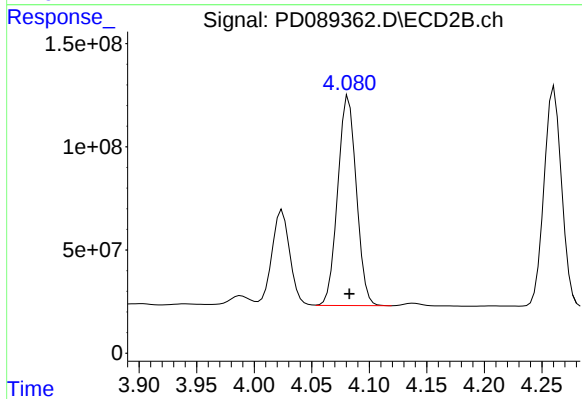
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1165931737
Conc: 47.10 ng/ml m



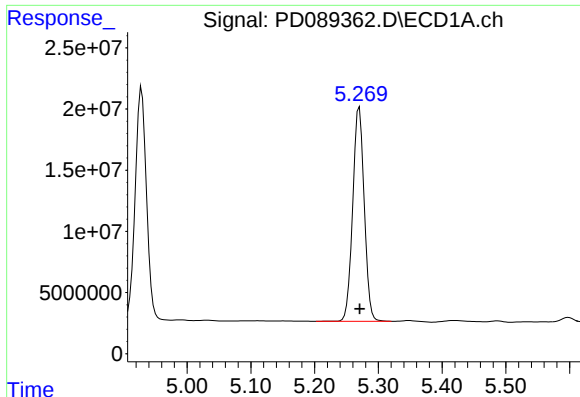
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 233490483
Conc: 42.83 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1145937035
Conc: 45.77 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 219355616
Conc: 41.29 ng/ml

Instrument :

ECD_D

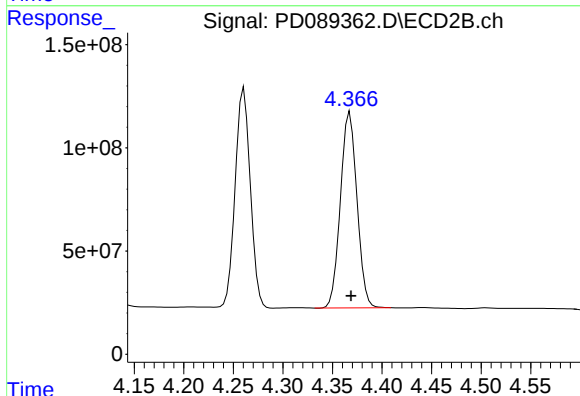
ClientSampleId :

TP-92MSD

Manual Integrations

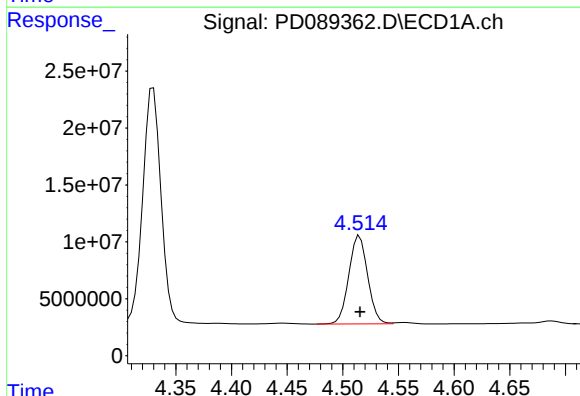
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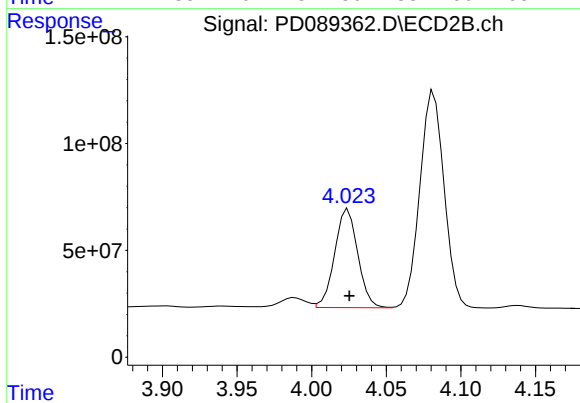
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.001 min
Response: 1104510353
Conc: 45.61 ng/ml



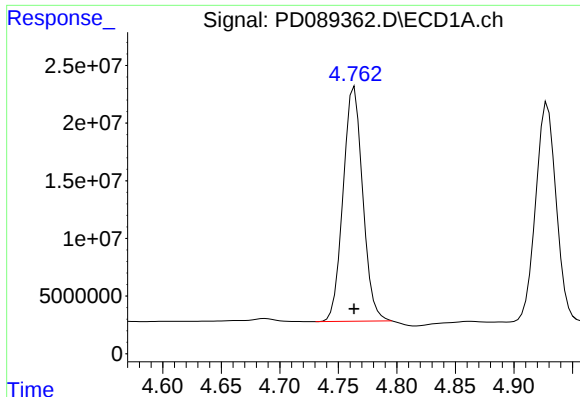
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 91390303
Conc: 41.41 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 499058163
Conc: 46.44 ng/ml



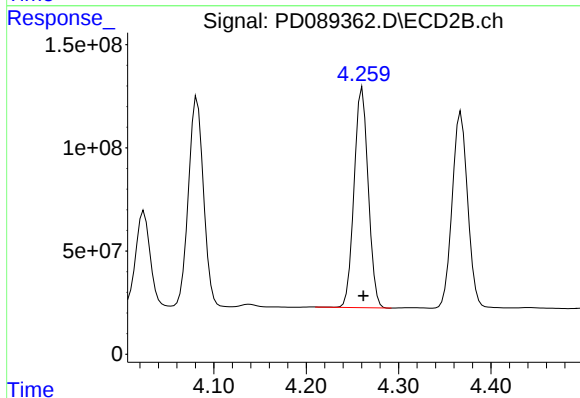
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 237462655
Conc: 46.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

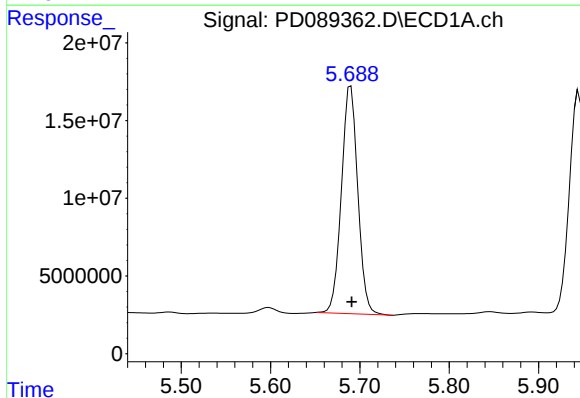
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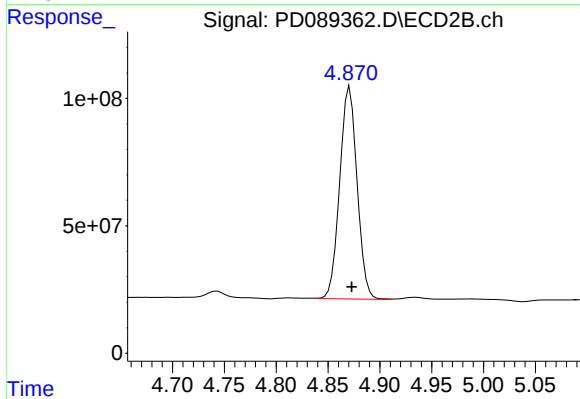
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1133004725
Conc: 45.55 ng/ml



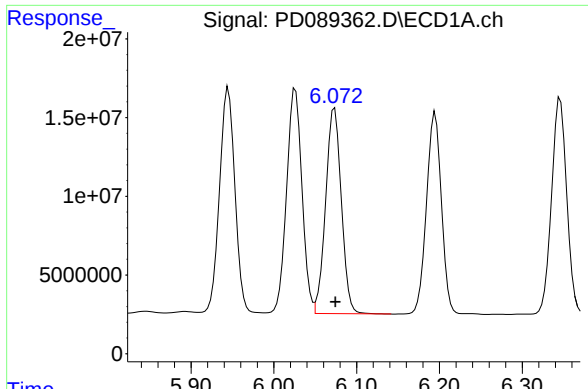
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.001 min
Response: 186317750
Conc: 38.62 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 971971825
Conc: 44.39 ng/ml m



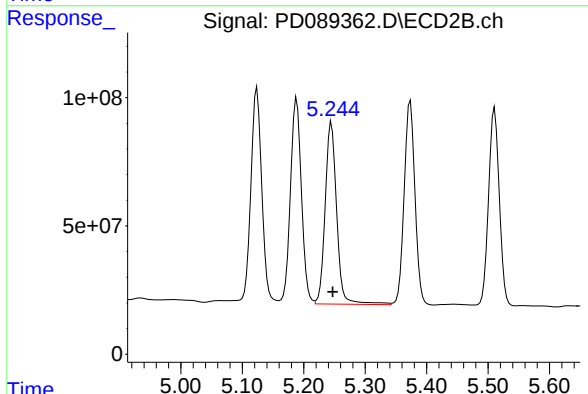
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 171975109
Conc: 38.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

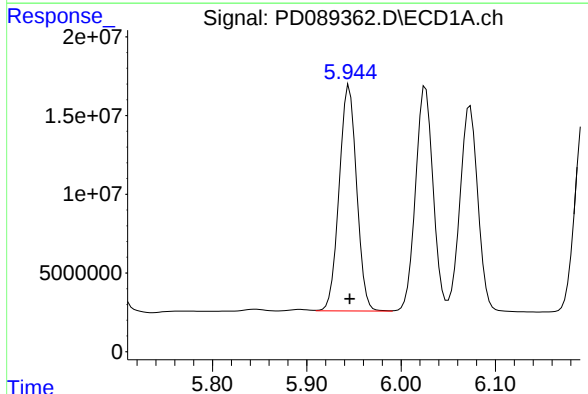
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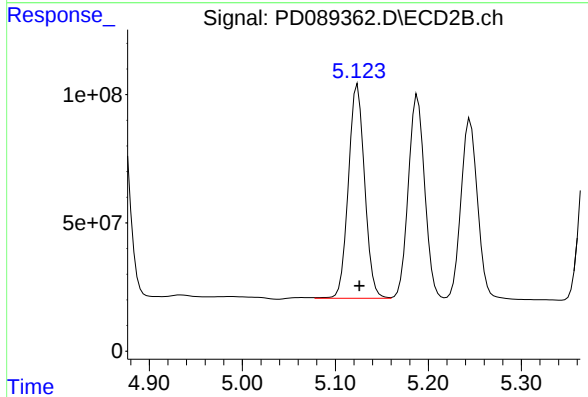
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 925901754
Conc: 44.42 ng/ml



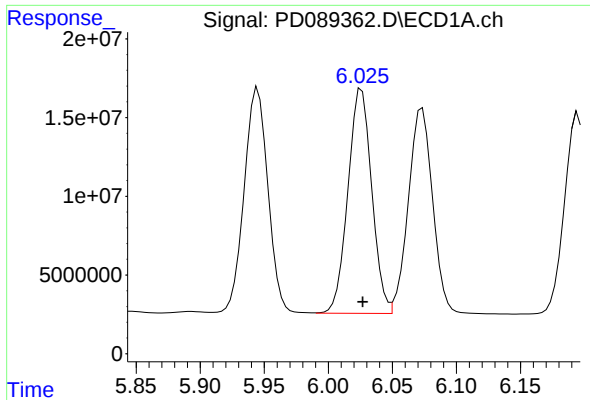
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 184834614
Conc: 38.60 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1011401067
Conc: 42.28 ng/ml m



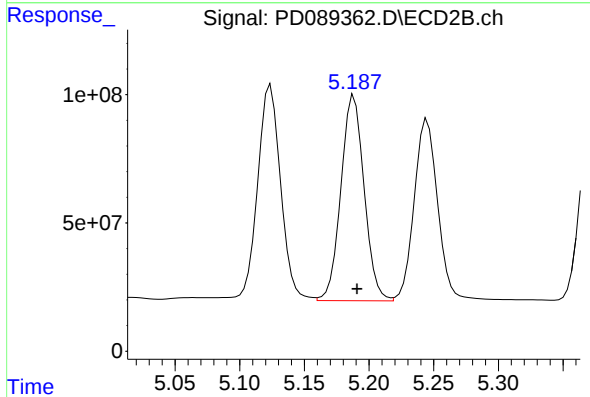
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 184586032
Conc: 38.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

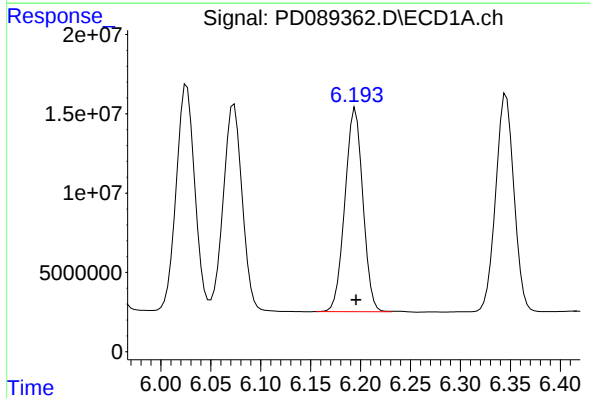
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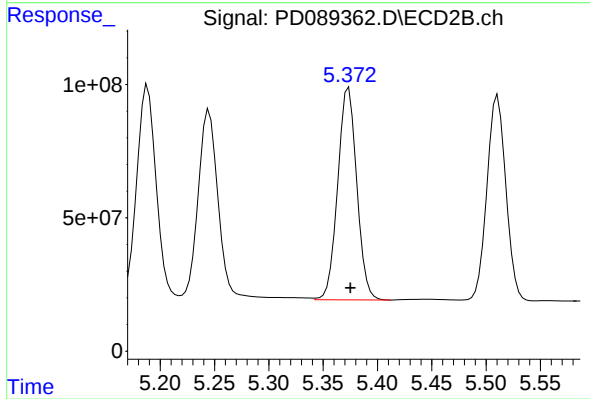
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1000498609
Conc: 43.70 ng/ml



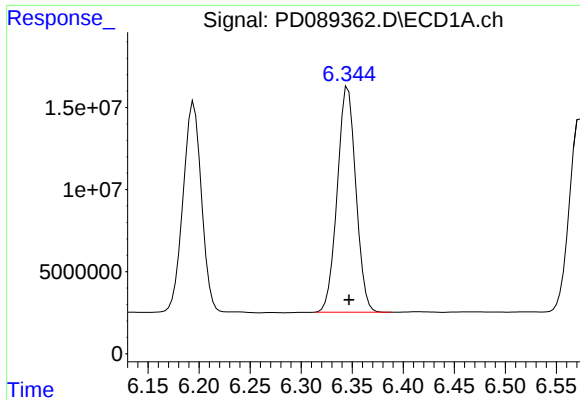
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 160559458
Conc: 36.82 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 971883581
Conc: 42.41 ng/ml



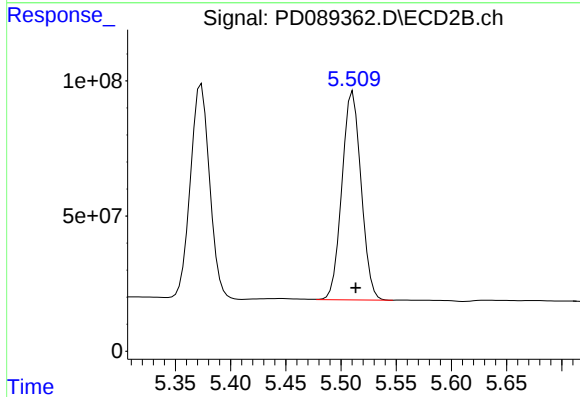
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 174521794
Conc: 36.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
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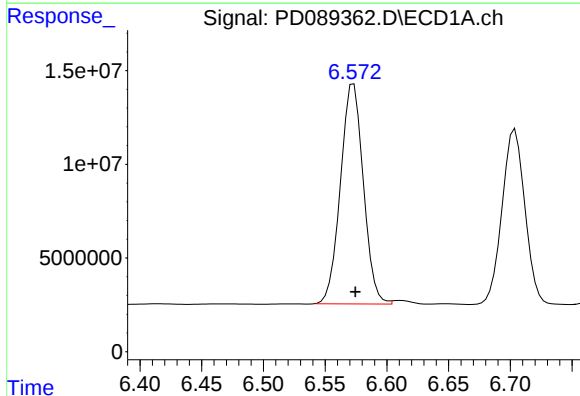
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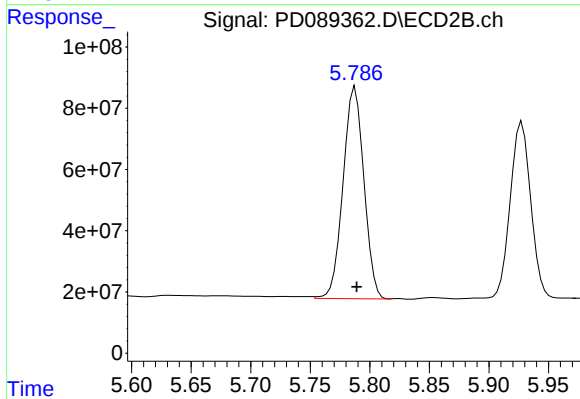
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 932352727
Conc: 40.17 ng/ml



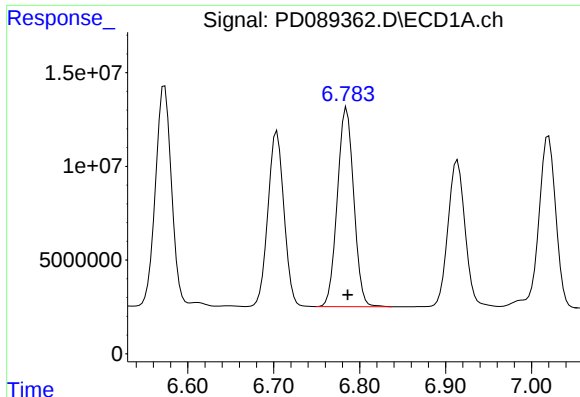
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 151491455
Conc: 36.72 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 842881953
Conc: 38.82 ng/ml



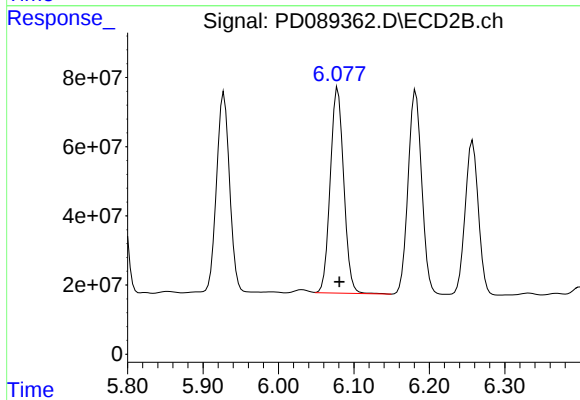
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 140626573
Conc: 34.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

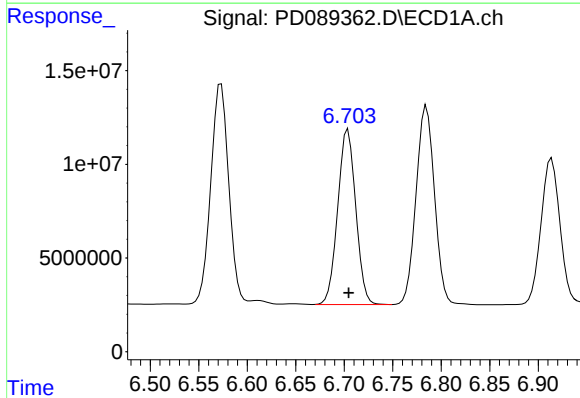
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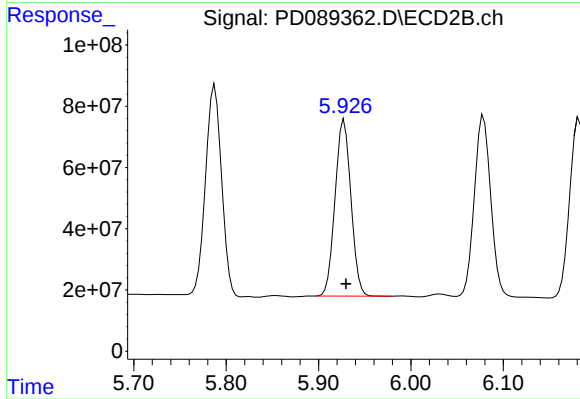
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 738054981
Conc: 36.54 ng/ml



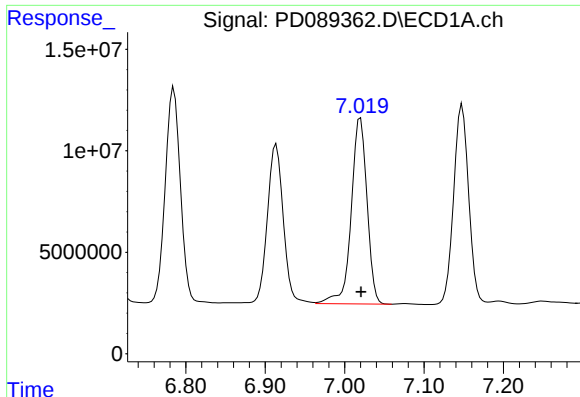
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 120834225
Conc: 35.21 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 688246676
Conc: 35.98 ng/ml



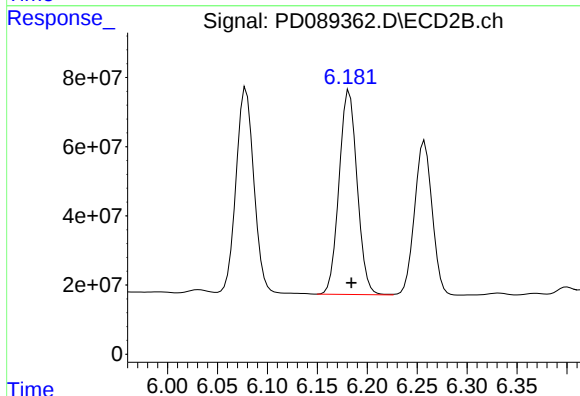
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 126996927
Conc: 33.52 ng/ml

Instrument :
ECD_D
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TP-92MSD

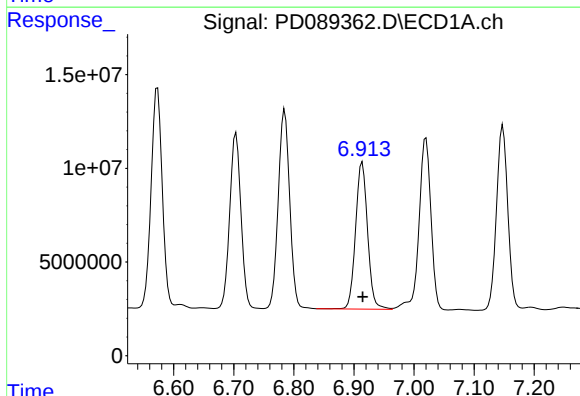
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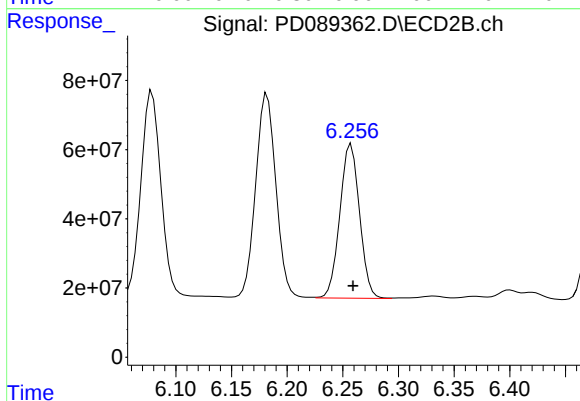
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 743899648
Conc: 36.68 ng/ml



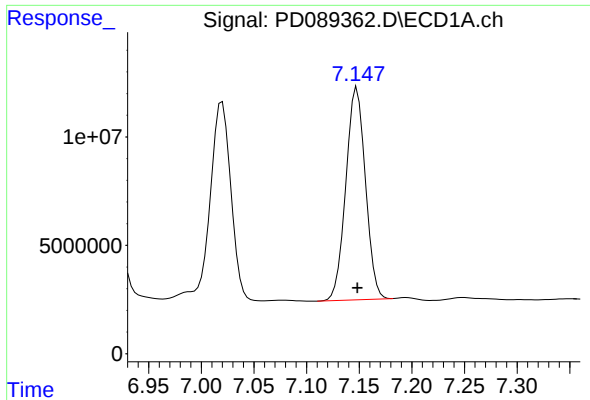
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 108847695
Conc: 35.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.002 min
Response: 548387452
Conc: 35.82 ng/ml



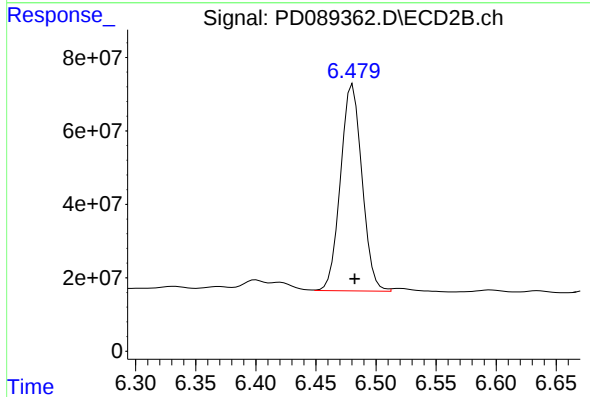
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 127206707
Conc: 33.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
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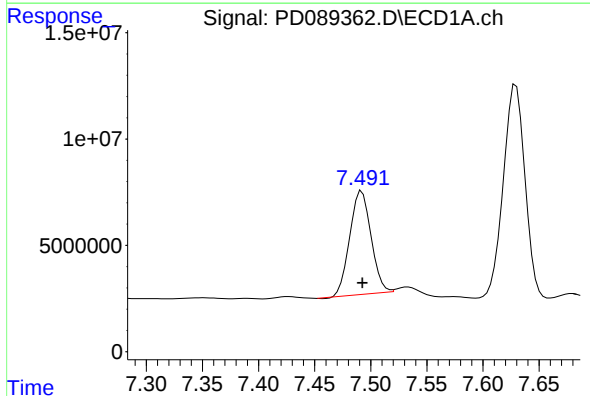
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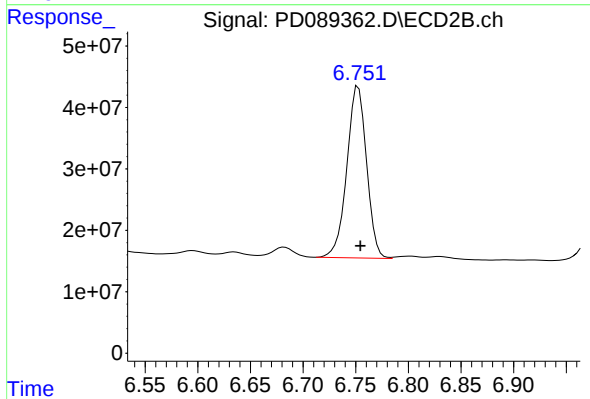
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 701175457
Conc: 35.74 ng/ml



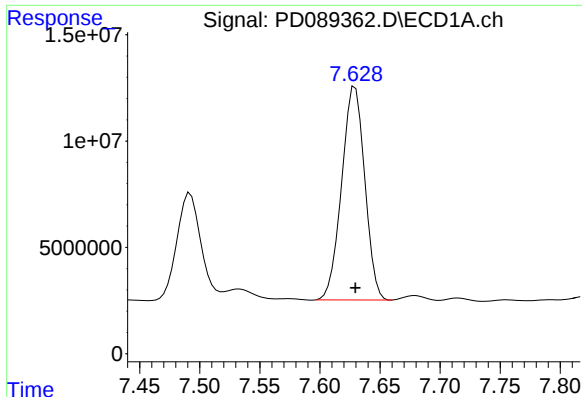
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 64030454
Conc: 31.69 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 366660379
Conc: 34.05 ng/ml



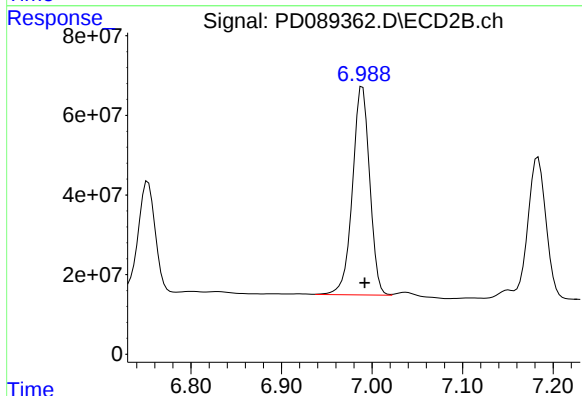
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 134496571
Conc: 33.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

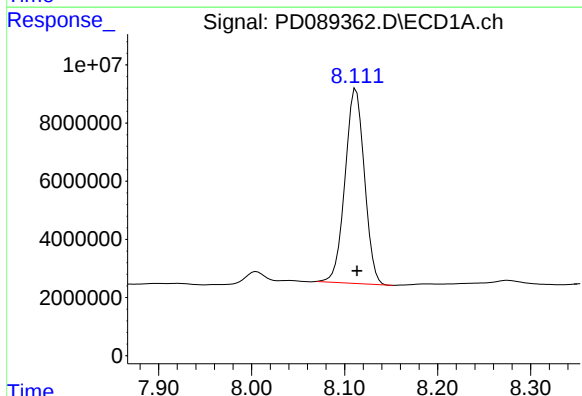
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/09/2025
Supervised By :mohammad ahmed 07/10/2025



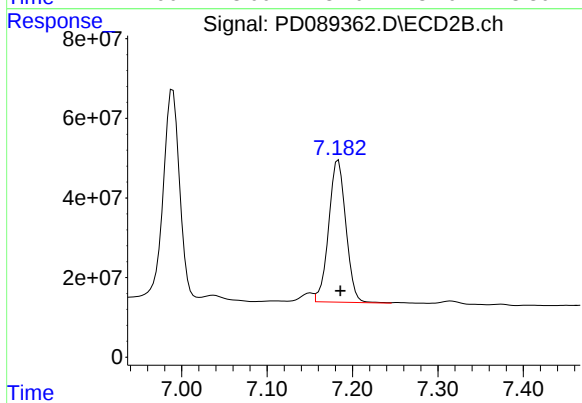
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.003 min
Response: 691566449
Conc: 32.01 ng/ml



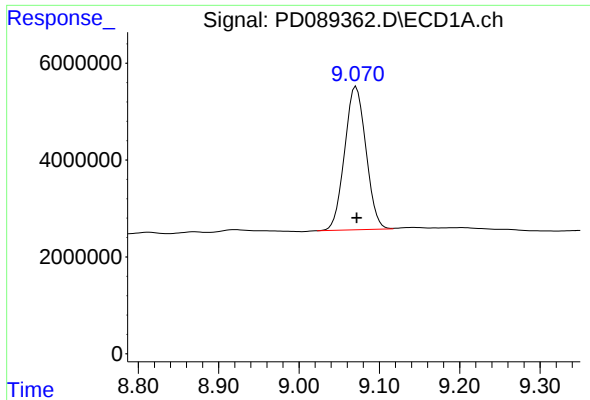
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 96816310
Conc: 31.85 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 499790617
Conc: 29.97 ng/ml



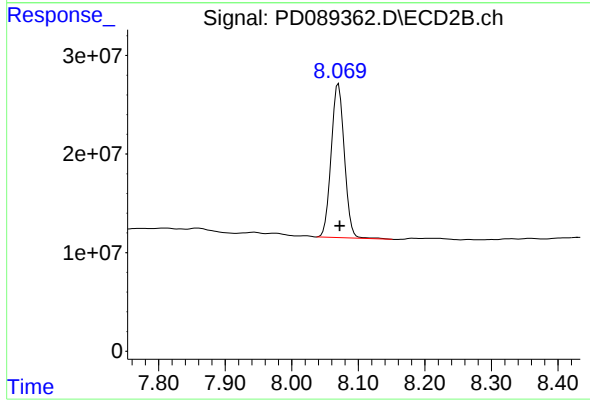
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 54539068
Conc: 13.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92MSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 214011977
Conc: 10.83 ng/ml