

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
 Data File : PD088560.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 13:05
 Operator : AR\AJ
 Sample : Q1984-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OU4-PCS-TC-33-050725MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/16/2025
 Supervised By : mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 02:18:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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 x 0.5 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...	3.551	2.882	42713352	306.3E6	21.385	20.946
28) SA Decachlor...	9.076	8.074	70211275	348.9E6	21.224	18.880
Target Compounds						
2) A alpha-BHC	4.000	3.395	245.5E6	1160.4E6	56.936	50.758
3) MA gamma-BHC...	4.331	3.731	242.7E6	1059.7E6	57.961	49.200
4) MA Heptachlor	4.931	4.085	238.9E6	1091.4E6	59.160	51.002
5) MB Aldrin	5.273	4.370	230.1E6	1039.5E6	58.268	49.969
6) B beta-BHC	4.516	4.025	90626662	471.3E6	55.826	50.924m
7) B delta-BHC	4.765	4.263	235.8E6	1068.5E6	57.162	50.254
8) B Heptachlo...	5.692	4.874	201.8E6	936.3E6	56.477	49.556
9) A Endosulfan I	6.076	5.249	192.9E6	893.5E6	57.109	49.602
10) B gamma-Chl...	5.947	5.127	204.9E6	1005.2E6	56.566	49.527
11) B alpha-Chl...	6.029	5.192	205.3E6	971.4E6	56.866	49.555
12) B 4,4'-DDE	6.198	5.377	183.2E6	973.8E6	55.551	49.445
13) MA Dieldrin	6.349	5.514	206.1E6	991.8E6	57.747	49.759
14) MA Endrin	6.576	5.791	168.4E6	904.9E6	56.457	49.711
15) B Endosulfa...	6.788	6.082	171.1E6	839.9E6	54.742	47.936
16) A 4,4'-DDD	6.706	5.932	145.9E6	783.4E6	58.021	47.808
17) MA 4,4'-DDT	7.023	6.185	154.1E6	829.9E6	55.472	48.773
18) B Endrin al...	6.916	6.261	129.0E6	647.3E6	55.900	48.667
19) B Endosulfa...	7.151	6.484	159.4E6	826.0E6	55.441	48.209
20) A Methoxychlor	7.494	6.757	80457383	437.0E6	53.655	47.911
21) B Endrin ke...	7.631	6.993	173.7E6	917.4E6	56.270	49.050
22) Mirex	8.115	7.187	125.8E6	690.2E6	53.561	46.572

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

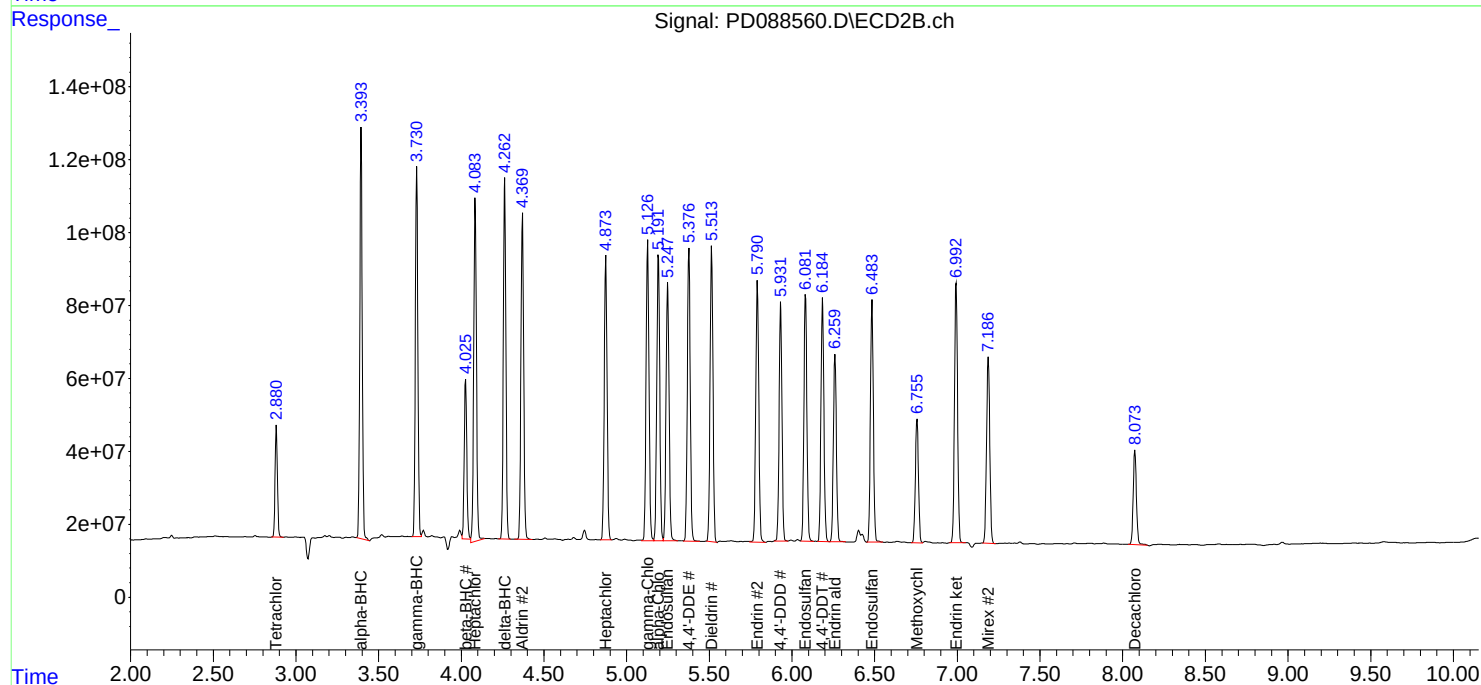
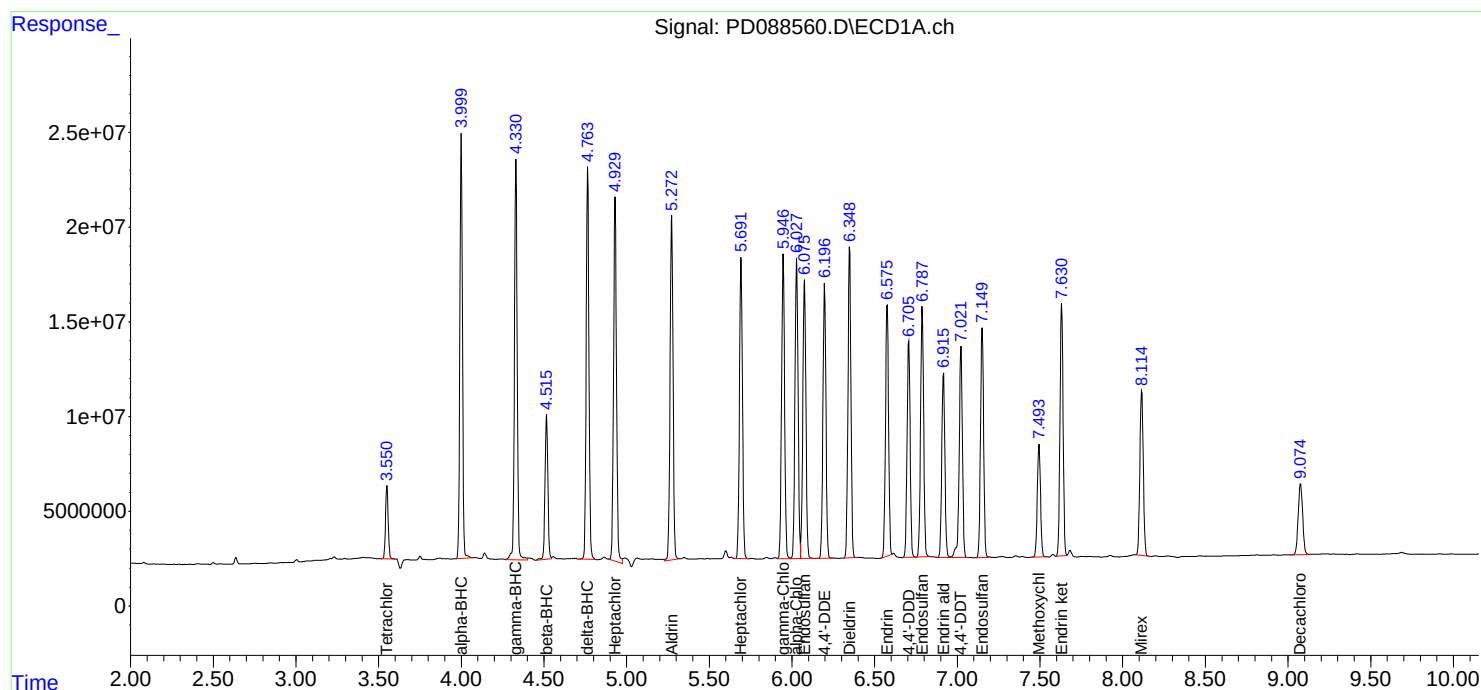
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

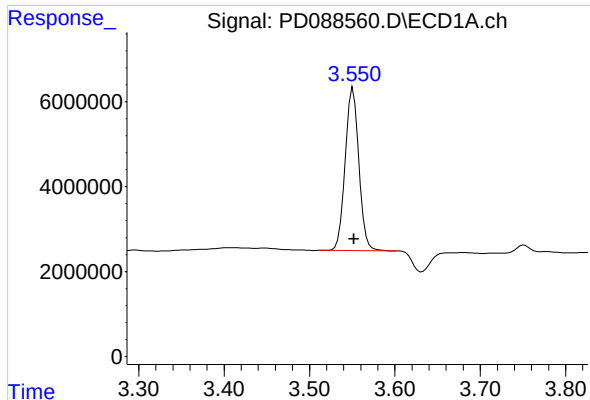
Manual Integrations
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Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:18:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





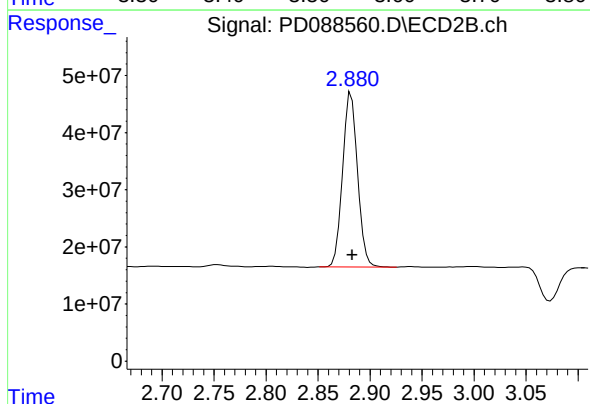
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 42713352
Conc: 21.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

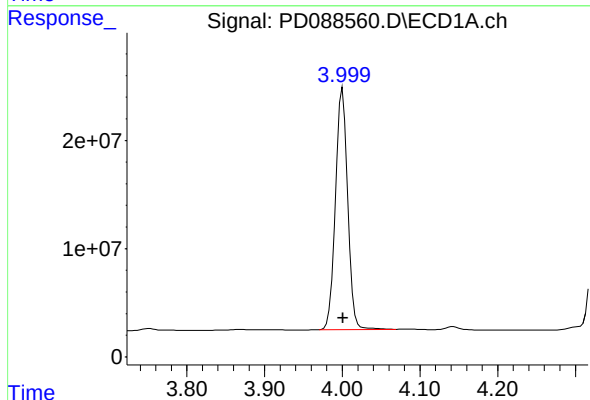
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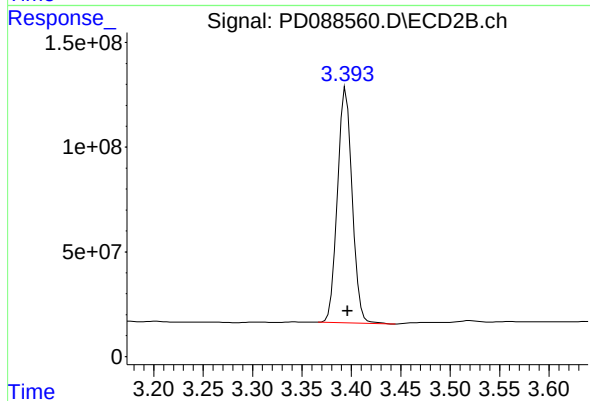
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 306268196
Conc: 20.95 ng/ml



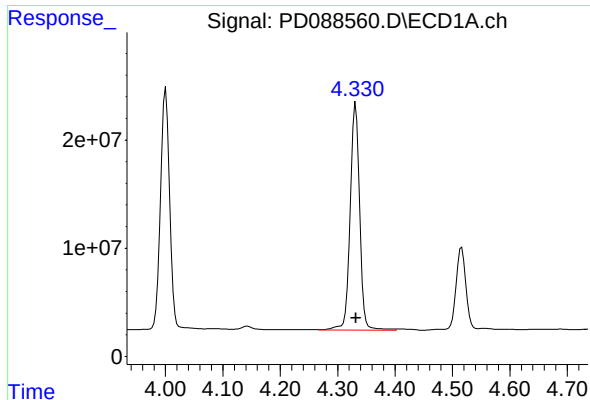
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 245506242
Conc: 56.94 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.002 min
Response: 1160413093
Conc: 50.76 ng/ml



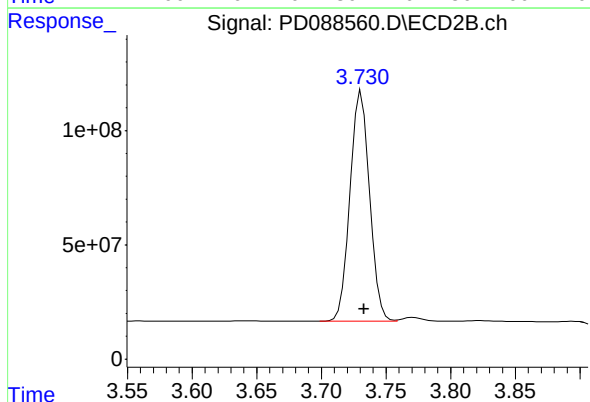
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 242710287
Conc: 57.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

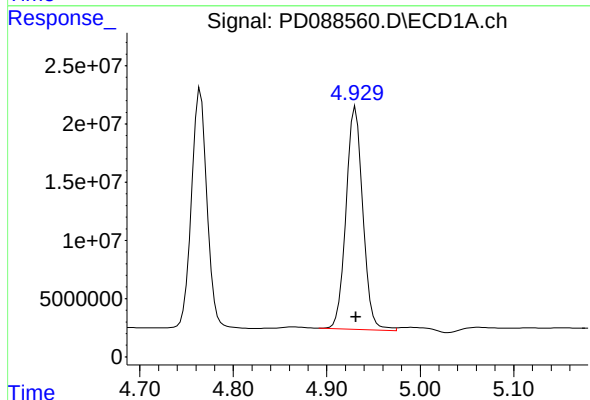
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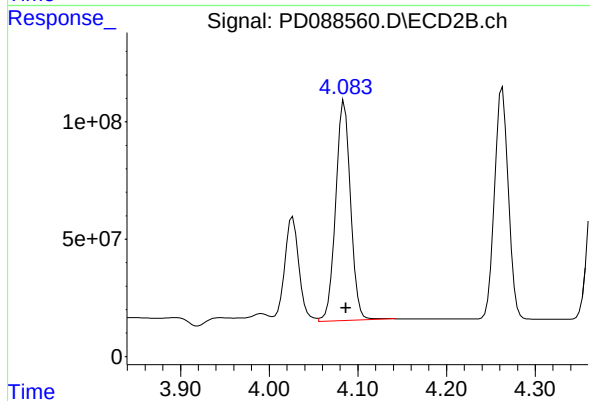
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 1059706012
Conc: 49.20 ng/ml



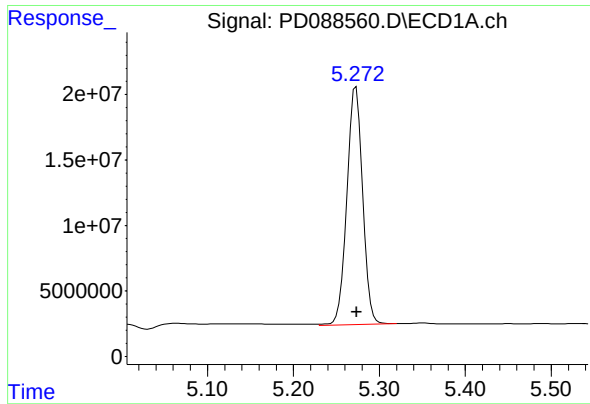
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 238946266
Conc: 59.16 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 1091357414
Conc: 51.00 ng/ml



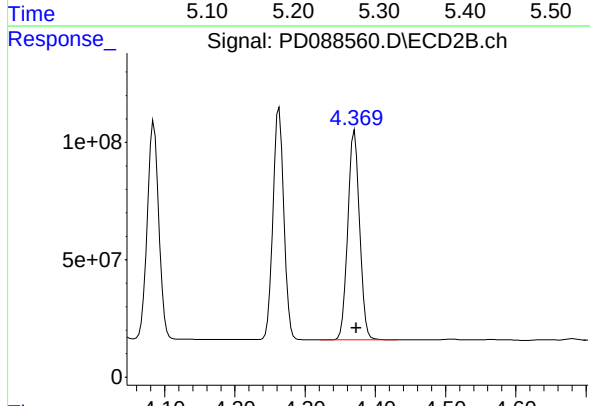
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 230132772
Conc: 58.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

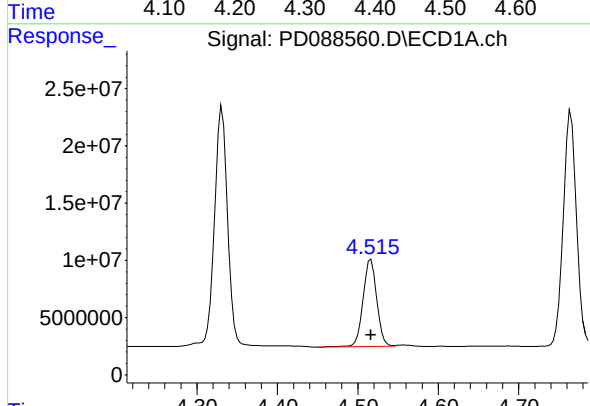
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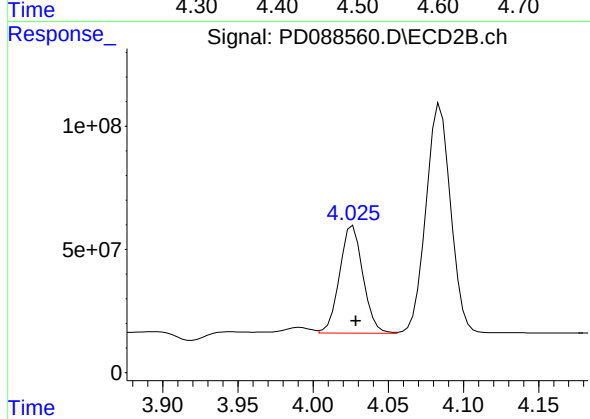
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.002 min
Response: 1039504056
Conc: 49.97 ng/ml



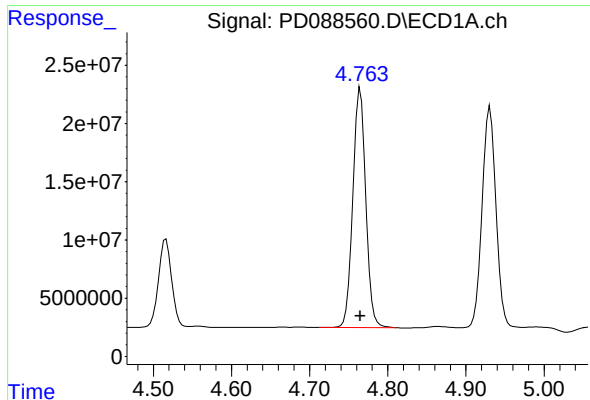
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 90626662
Conc: 55.83 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 471257347
Conc: 50.92 ng/ml m



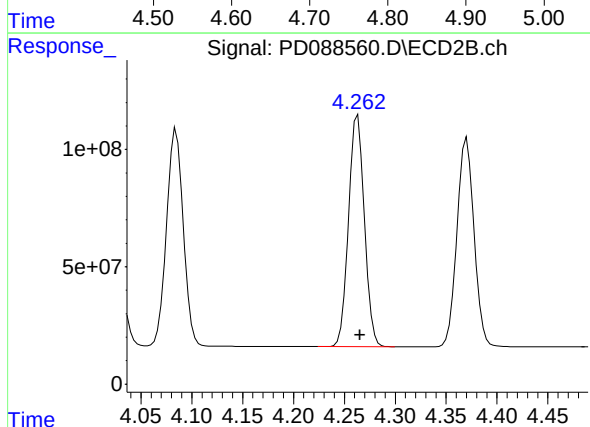
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 235790004
Conc: 57.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

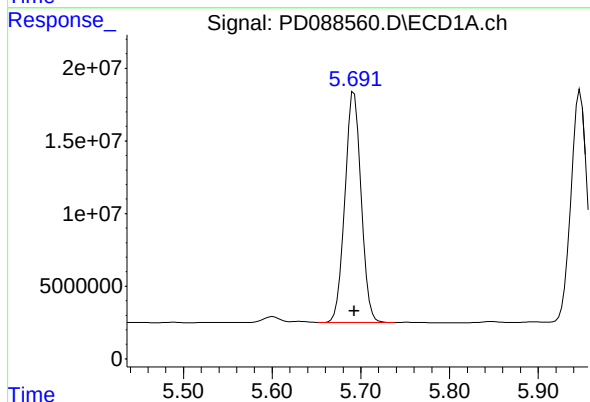
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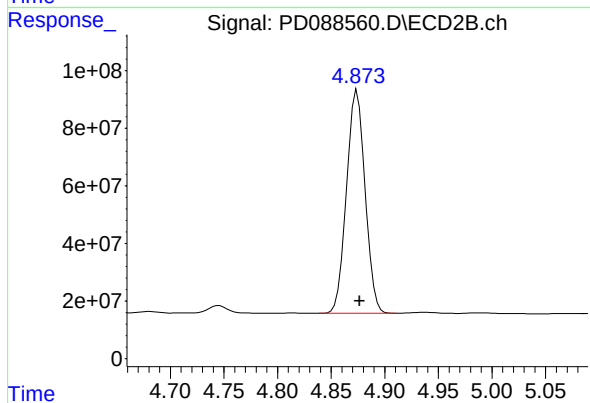
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 1068484970
Conc: 50.25 ng/ml



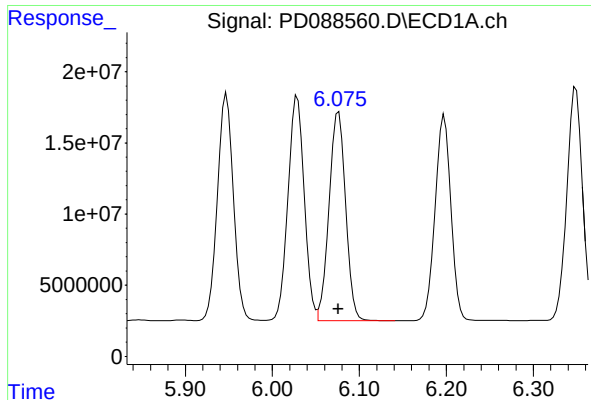
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 201847477
Conc: 56.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 936317917
Conc: 49.56 ng/ml



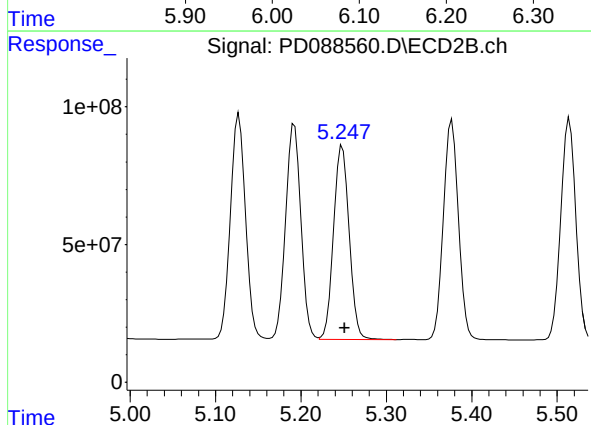
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 192865689
Conc: 57.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

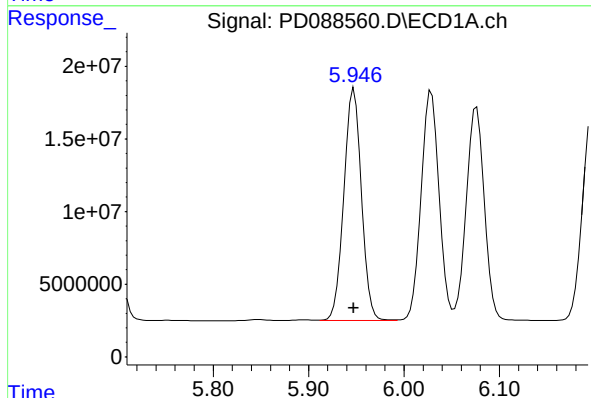
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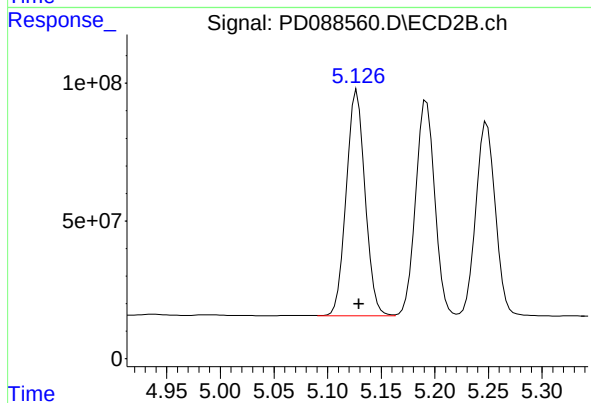
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.003 min
Response: 893453300
Conc: 49.60 ng/ml



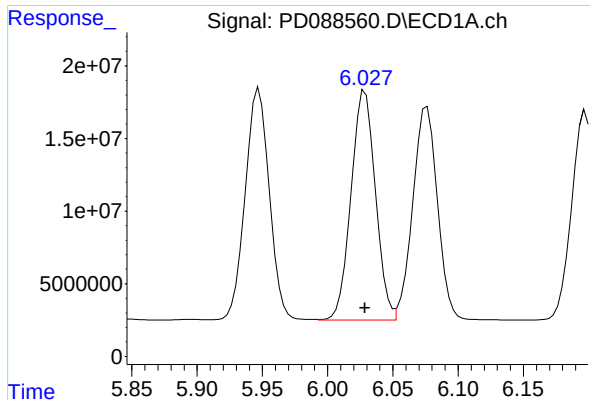
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 204884312
Conc: 56.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 1005201488
Conc: 49.53 ng/ml



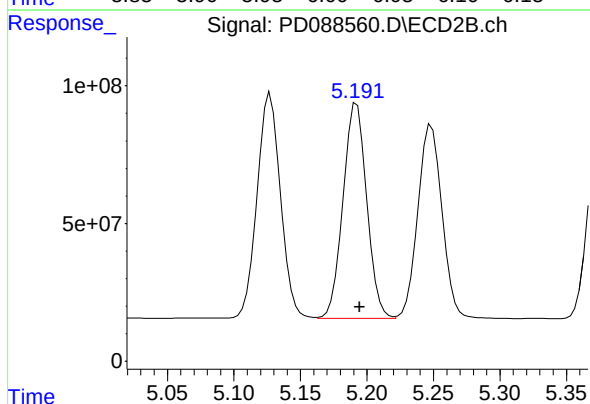
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 205260866
Conc: 56.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

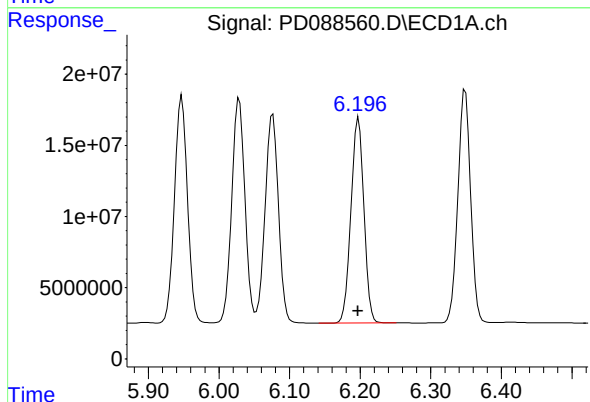
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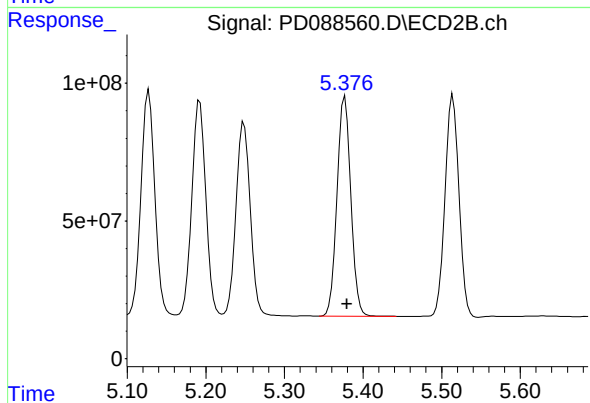
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 971413231
Conc: 49.55 ng/ml



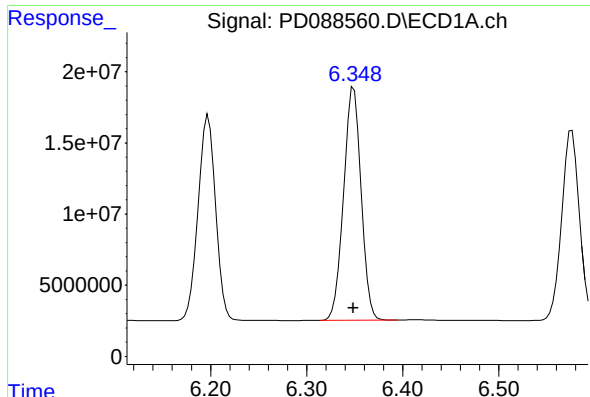
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 183222754
Conc: 55.55 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 973767171
Conc: 49.44 ng/ml



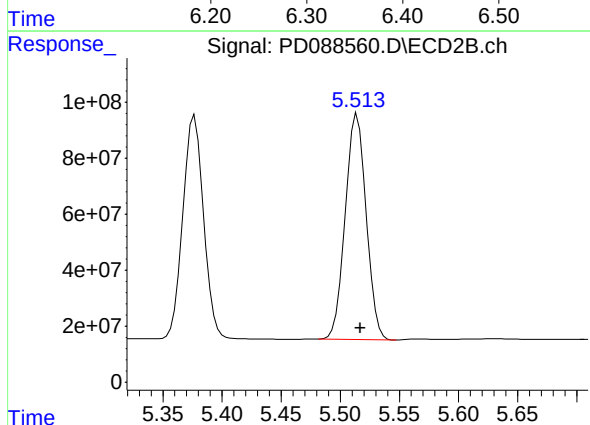
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 206069511
Conc: 57.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

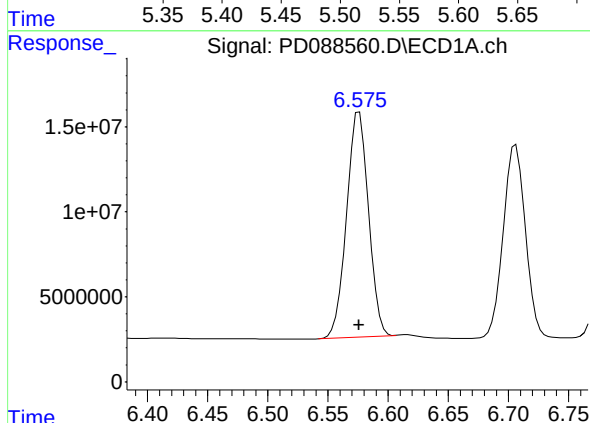
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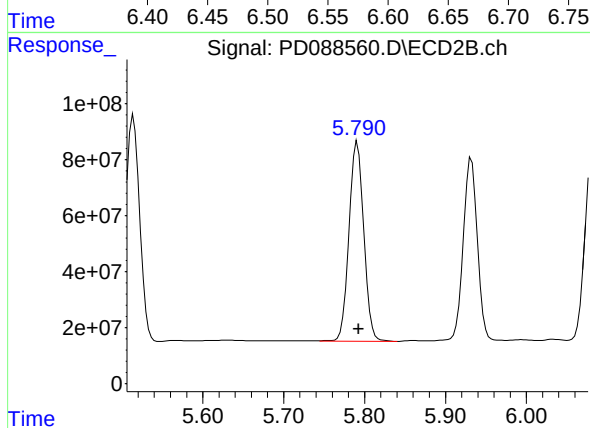
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.003 min
Response: 991835662
Conc: 49.76 ng/ml



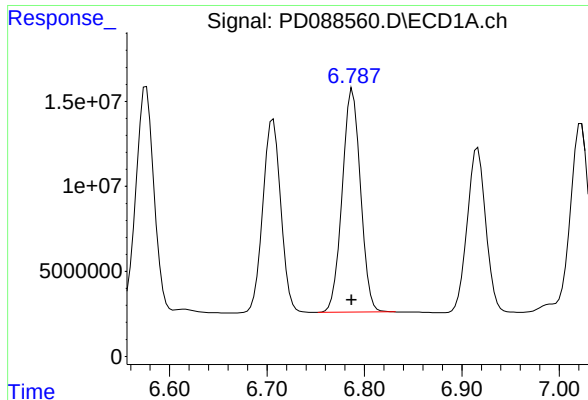
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 168387394
Conc: 56.46 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 904860069
Conc: 49.71 ng/ml



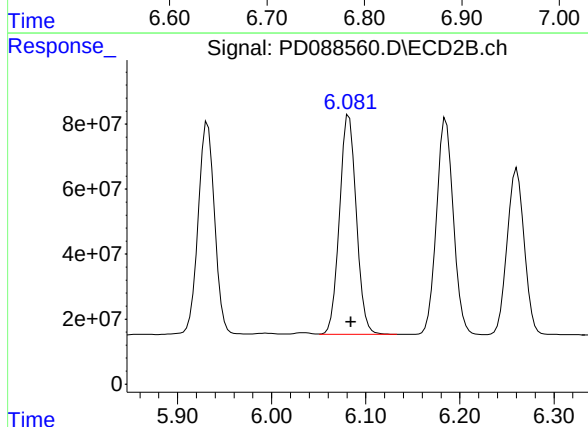
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 171135248
Conc: 54.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

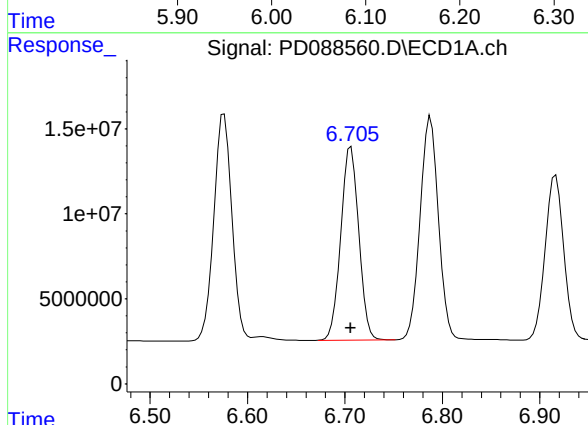
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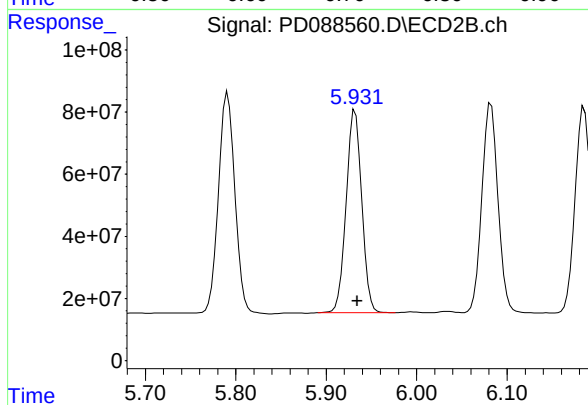
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 839910715
Conc: 47.94 ng/ml



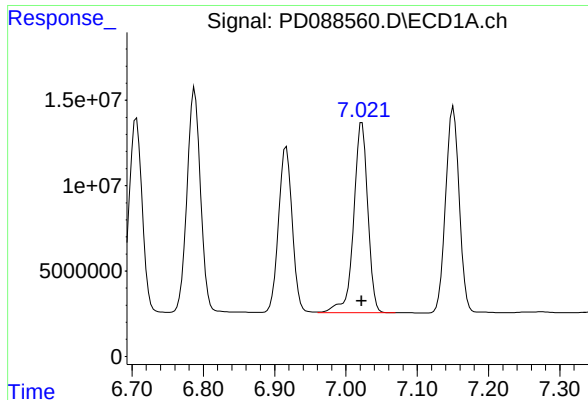
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 145921532
Conc: 58.02 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 783395286
Conc: 47.81 ng/ml



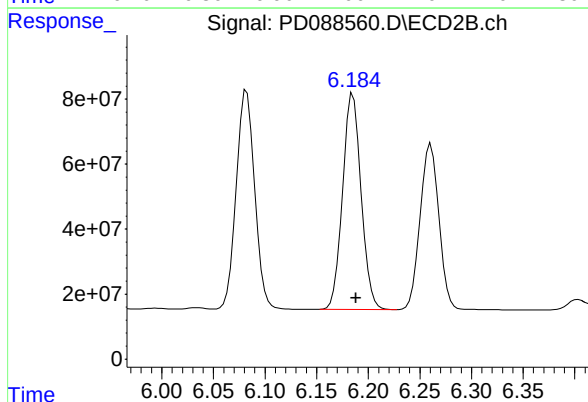
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 154075882
Conc: 55.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

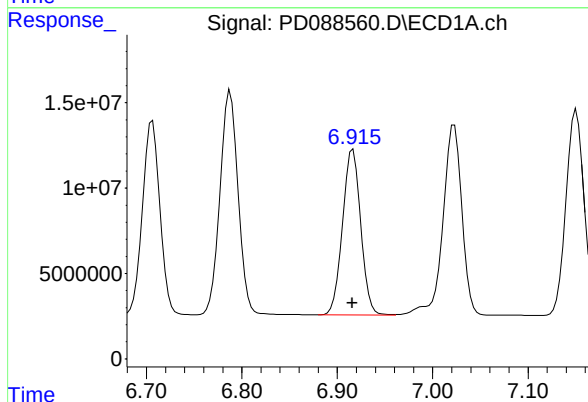
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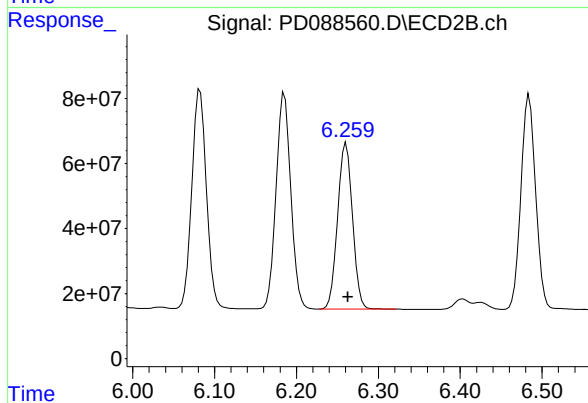
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 829942809
Conc: 48.77 ng/ml



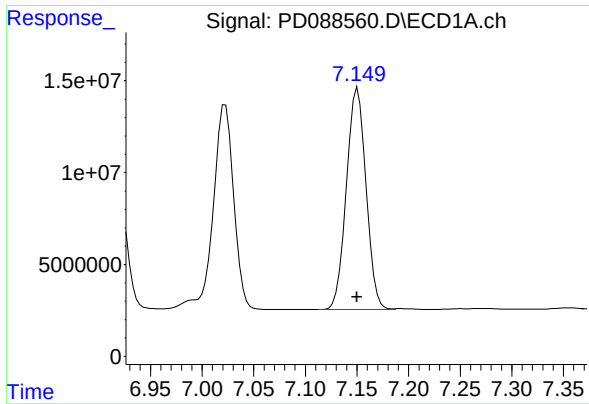
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 129017565
Conc: 55.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.002 min
Response: 647311804
Conc: 48.67 ng/ml



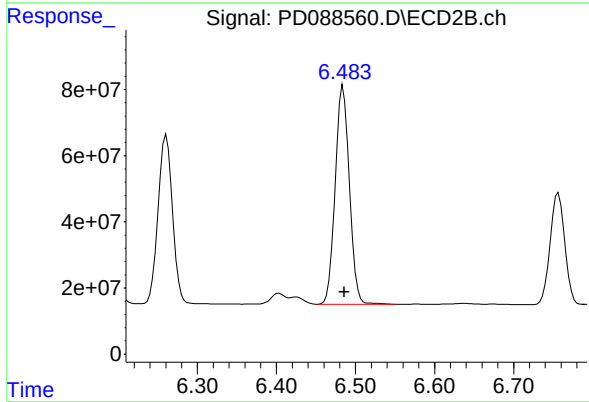
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 159438229
Conc: 55.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

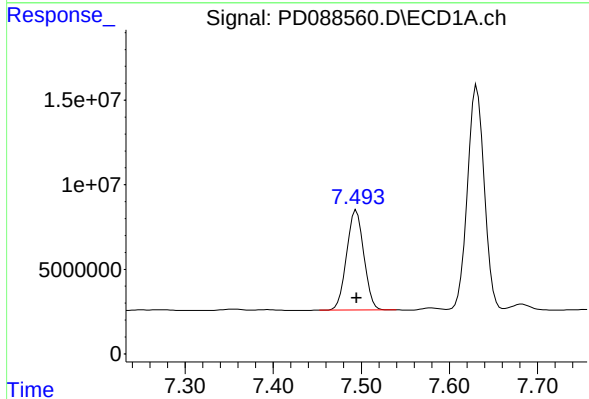
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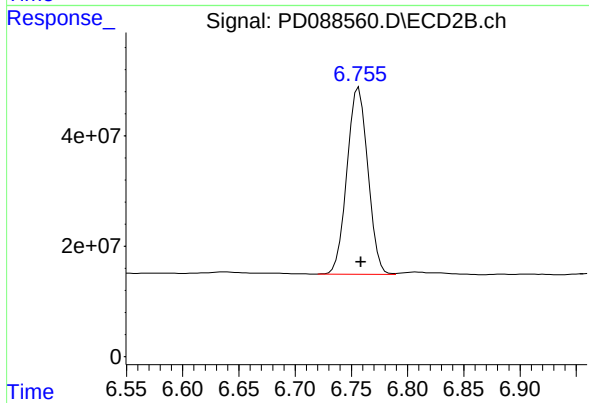
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 825981631
Conc: 48.21 ng/ml



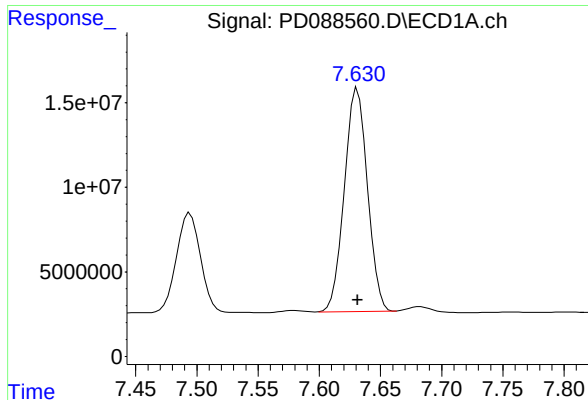
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 80457383
Conc: 53.65 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 437003384
Conc: 47.91 ng/ml



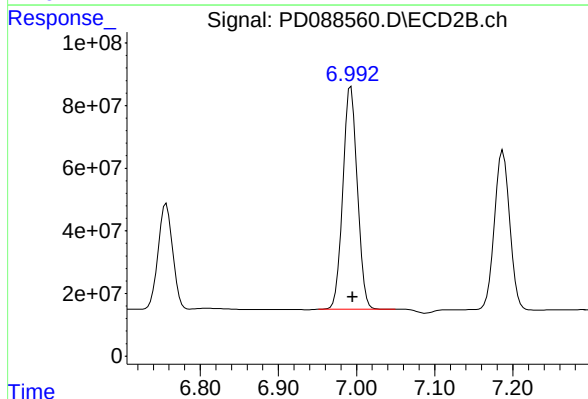
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 173681582
Conc: 56.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

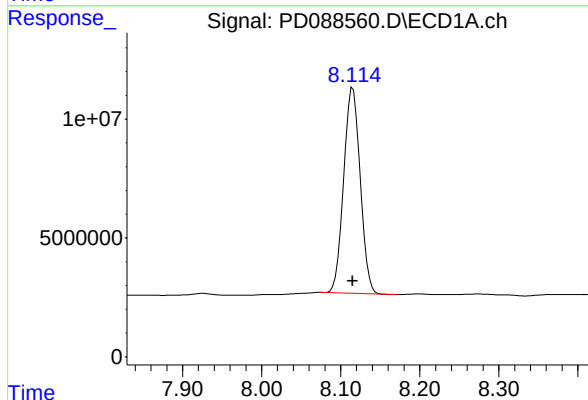
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



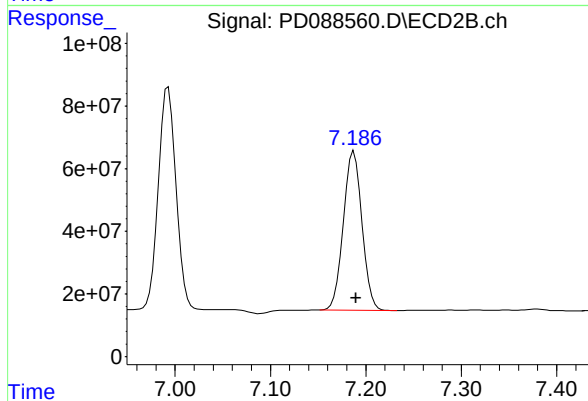
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 917441276
Conc: 49.05 ng/ml



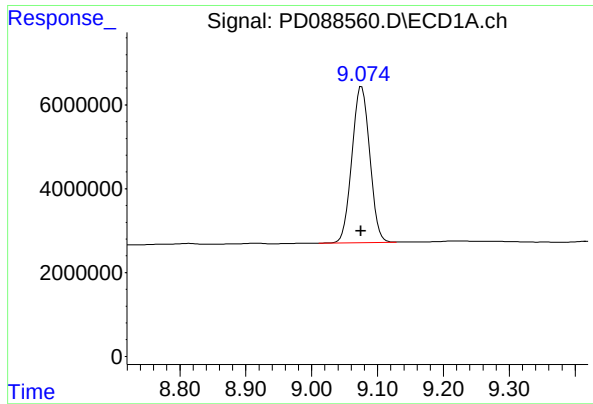
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 125777548
Conc: 53.56 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 690241204
Conc: 46.57 ng/ml



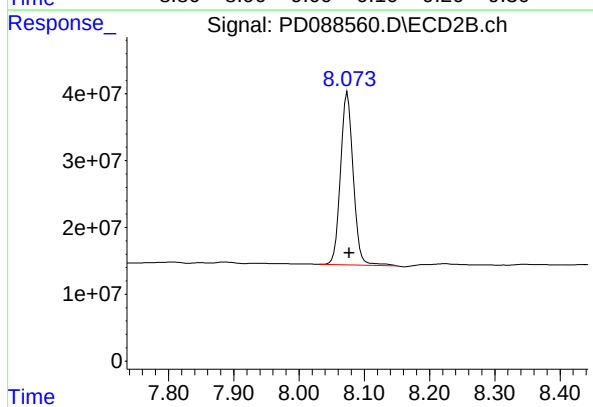
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 70211275
Conc: 21.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 348890009
Conc: 18.88 ng/ml