

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053125\
 Data File : PD088788.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 17:28
 Operator : AR\AJ
 Sample : Q2136-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OR-646-COMP-52MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:50:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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...	3.550	2.881	44495736	299.7E6	20.564	19.813
28)	SA Decachlor...	9.078	8.075	82933431	436.2E6	24.233	23.895
Target Compounds							
2)	A alpha-BHC	4.000	3.393	272.8E6	1300.2E6	57.105	54.393
3)	MA gamma-BHC...	4.331	3.730	265.2E6	1205.7E6	57.622	54.396
4)	MA Heptachlor	4.930	4.084	245.2E6	1142.7E6	54.836	50.890
5)	MB Aldrin	5.273	4.370	235.9E6	1133.4E6	53.677	51.683
6)	B beta-BHC	4.516	4.026	98770565	527.8E6	54.777	54.180
7)	B delta-BHC	4.763	4.263	307.4E6	1239.5E6	72.727m	55.595
8)	B Heptachlo...	5.692	4.874	225.6E6	1078.8E6	56.843	54.288
9)	A Endosulfan I	6.076	5.249	214.0E6	1029.6E6	56.874	54.251
10)	B gamma-Chl...	5.948	5.127	228.0E6	1163.1E6	57.148	54.523
11)	B alpha-Chl...	6.029	5.192	226.5E6	1118.9E6	56.540	54.250
12)	B 4,4'-DDE	6.197	5.378	208.2E6	1133.9E6	57.992	54.246
13)	MA Dieldrin	6.349	5.515	232.0E6	1140.5E6	57.832	54.194
14)	MA Endrin	6.576	5.791	198.1E6	1047.9E6	58.007	54.342
15)	B Endosulfa...	6.788	6.083	194.6E6	1012.7E6	56.523	55.273
16)	A 4,4'-DDD	6.707	5.932	163.0E6	959.3E6	58.519	55.159
17)	MA 4,4'-DDT	7.023	6.186	180.2E6	979.2E6	57.730	53.986
18)	B Endrin al...	6.917	6.261	147.5E6	764.5E6	57.301	54.884
19)	B Endosulfa...	7.151	6.485	183.6E6	969.9E6	57.314	54.624
20)	A Methoxychlor	7.495	6.756	91008170	505.2E6	54.478	52.760
21)	B Endrin ke...	7.633	6.994	197.5E6	1063.3E6	57.706	54.960
22)	Mirex	8.117	7.187	140.5E6	804.3E6	54.089	52.903

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053125\
Data File : PD088788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:28
Operator : AR\AJ
Sample : Q2136-05MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

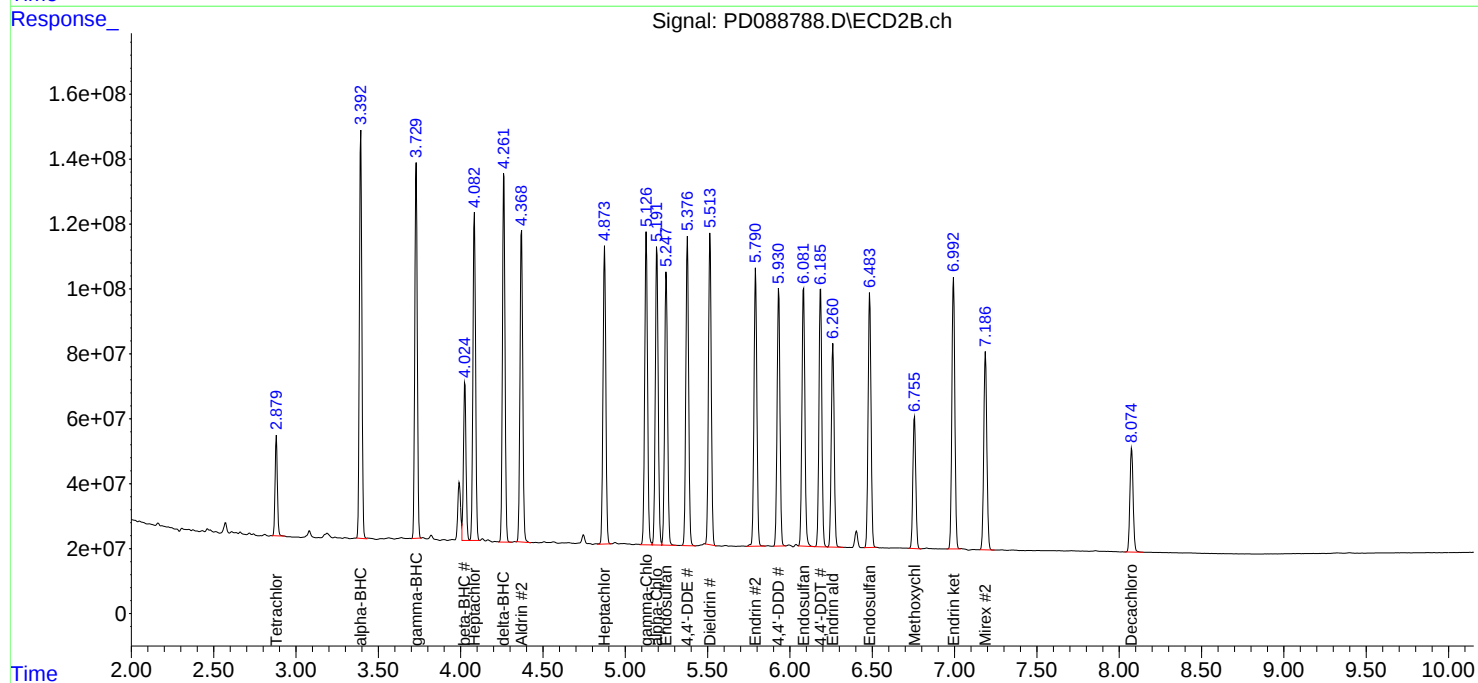
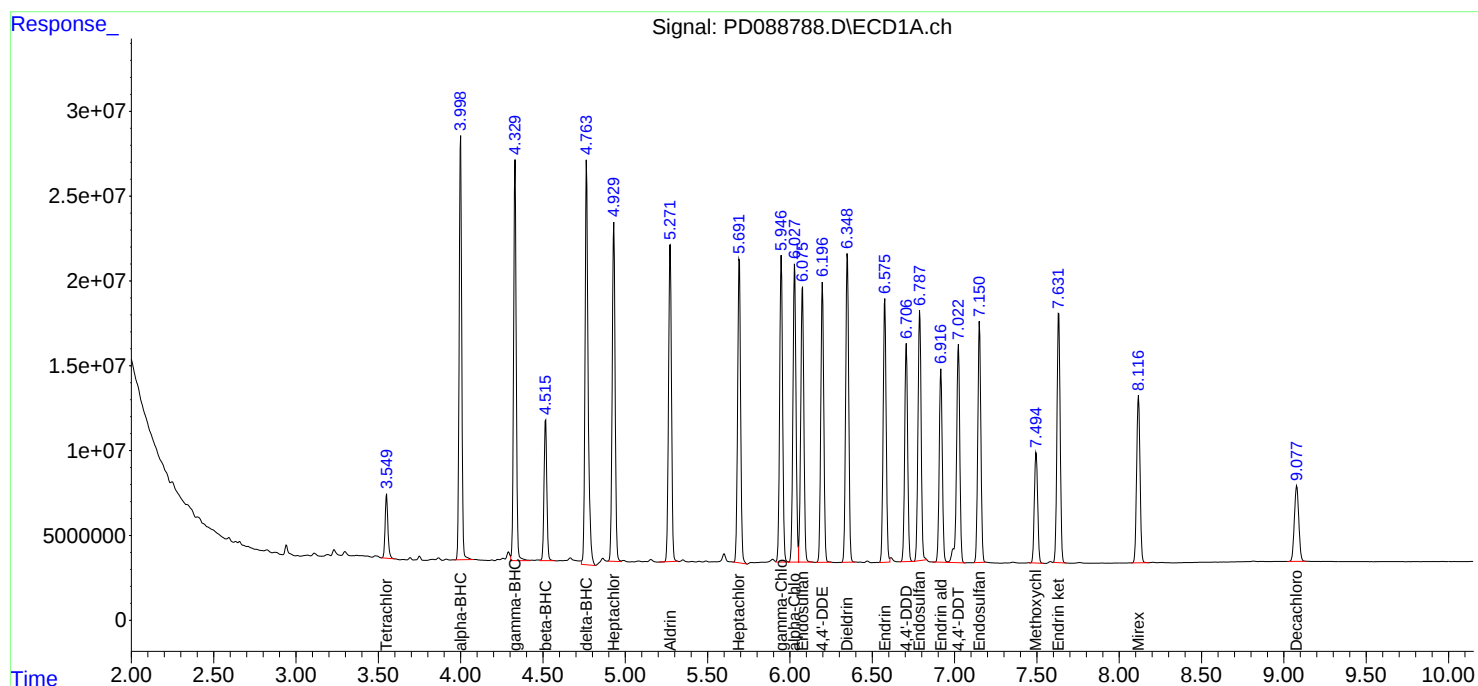
Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

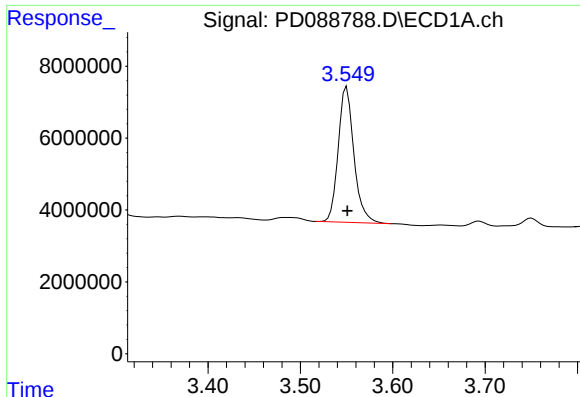
Manual Integrations
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Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:50:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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





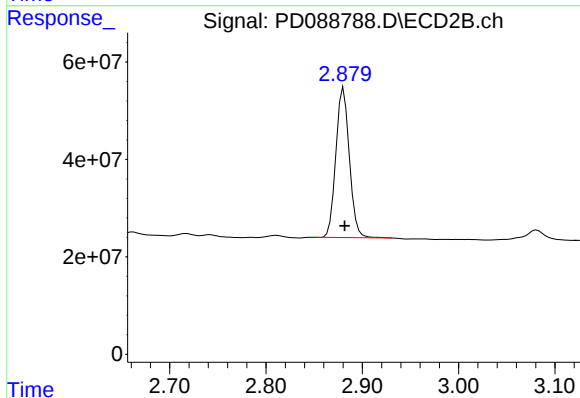
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44495736
Conc: 20.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

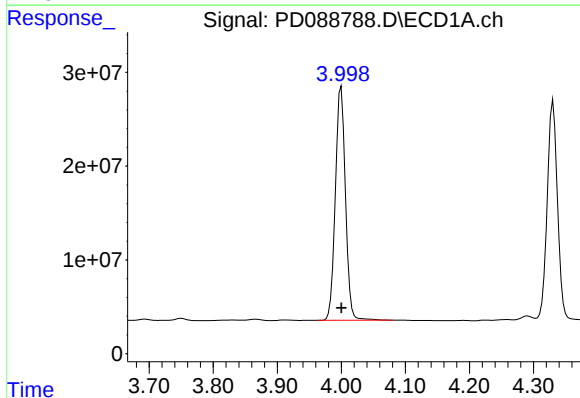
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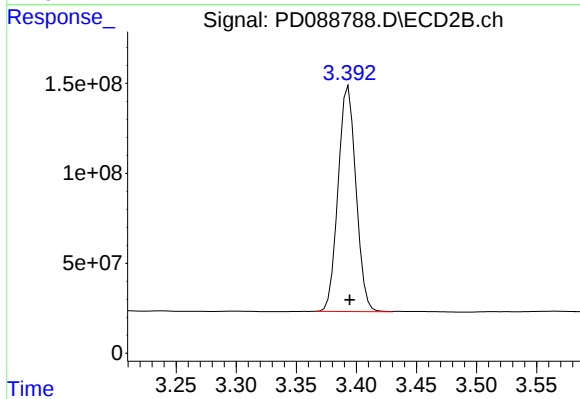
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299707840
Conc: 19.81 ng/ml



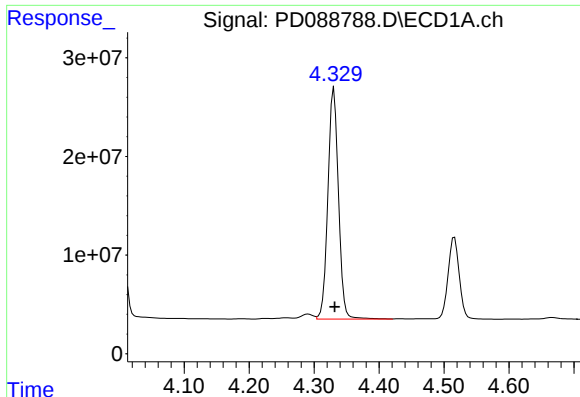
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 272767419
Conc: 57.11 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1300184258
Conc: 54.39 ng/ml



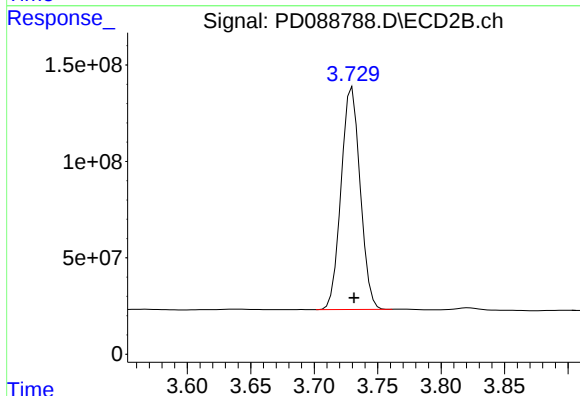
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 265215918
Conc: 57.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

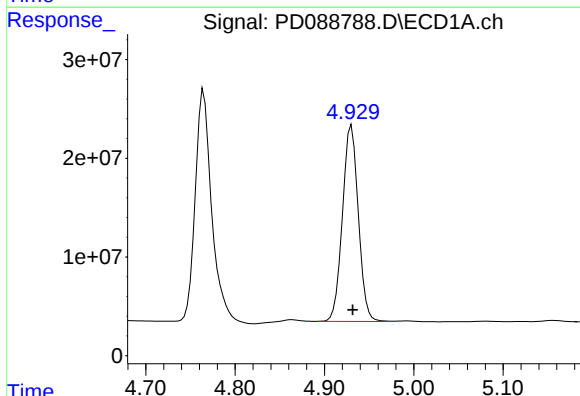
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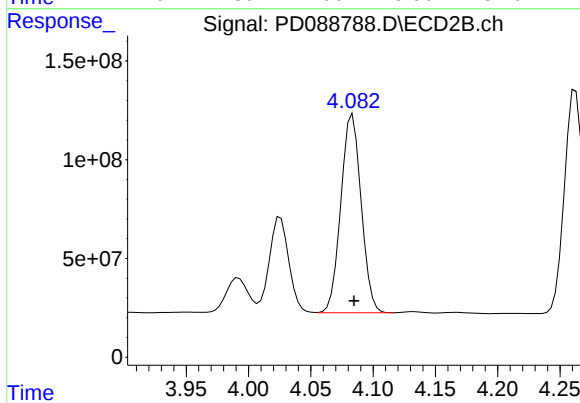
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.001 min
Response: 1205718682
Conc: 54.40 ng/ml



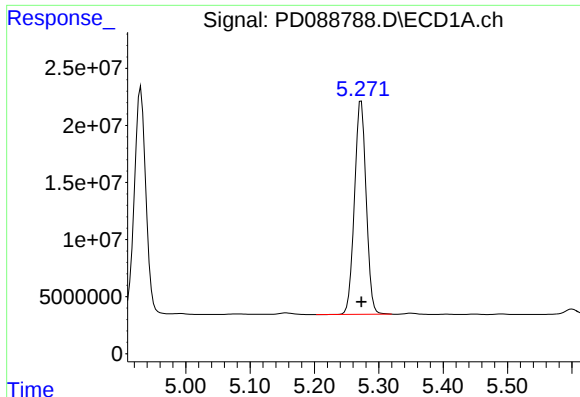
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: -0.001 min
Response: 245182210
Conc: 54.84 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: -0.001 min
Response: 1142721649
Conc: 50.89 ng/ml



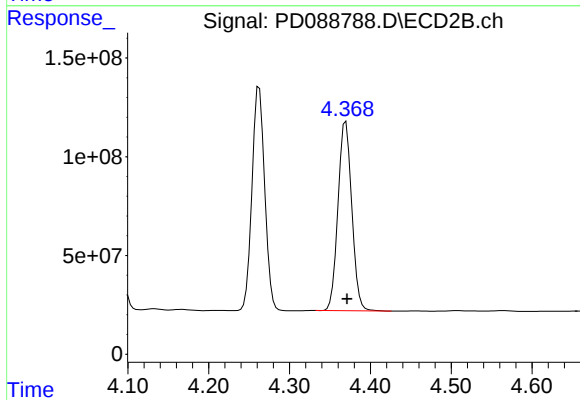
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 235883999
Conc: 53.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

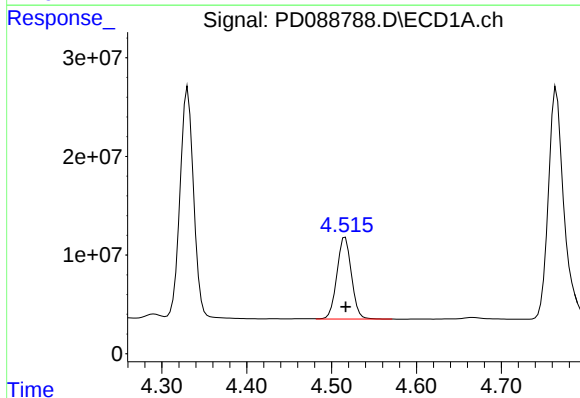
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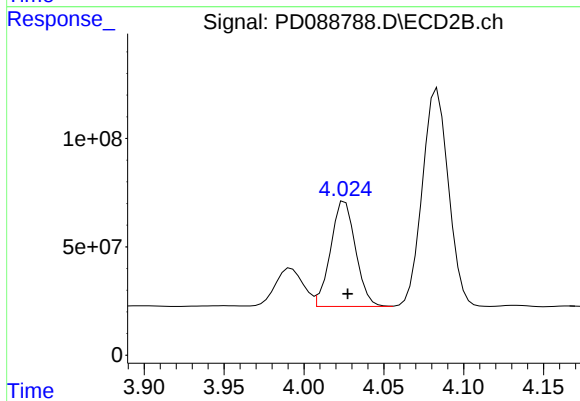
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.002 min
Response: 1133399514
Conc: 51.68 ng/ml



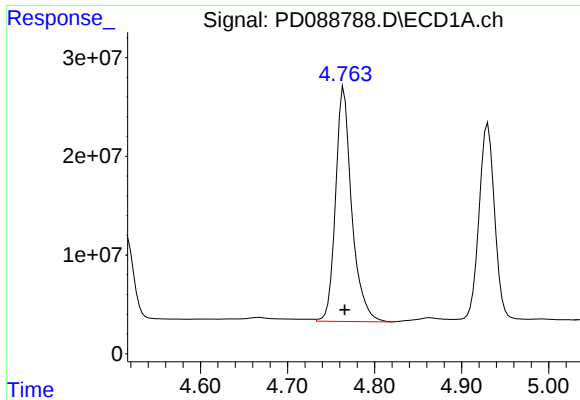
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 98770565
Conc: 54.78 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.002 min
Response: 527813828
Conc: 54.18 ng/ml



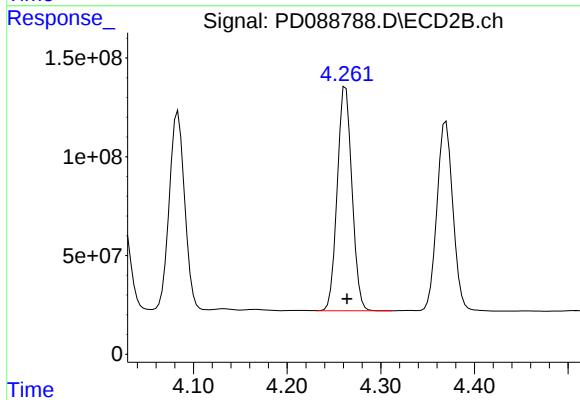
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 307354765
Conc: 72.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

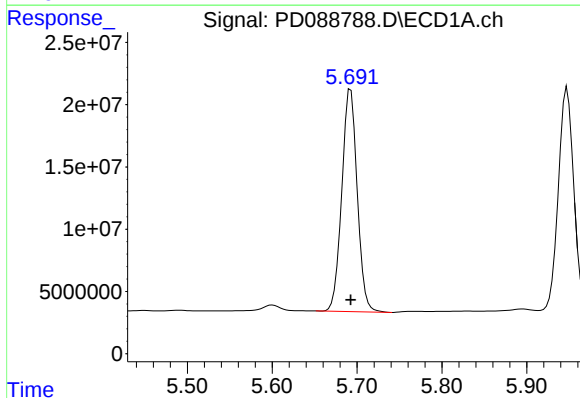
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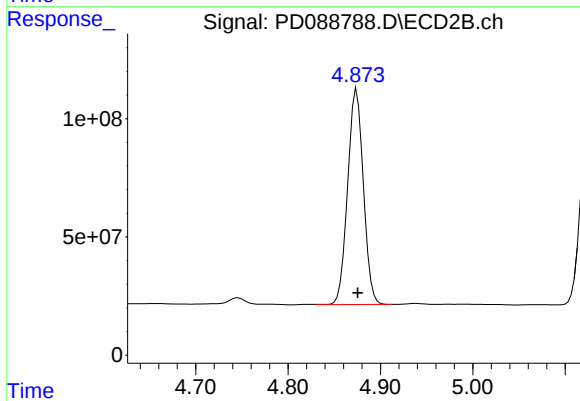
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.001 min
Response: 1239452085
Conc: 55.60 ng/ml



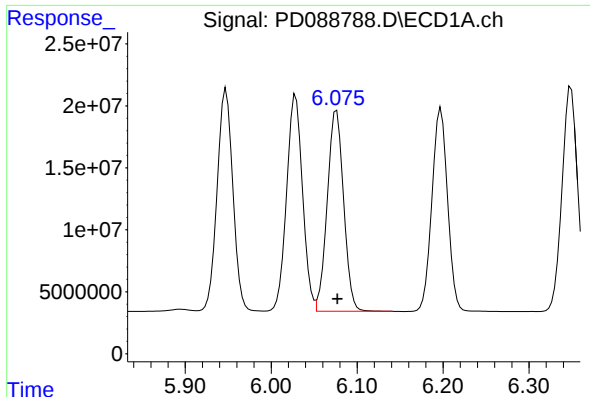
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 225626264
Conc: 56.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 1078765419
Conc: 54.29 ng/ml



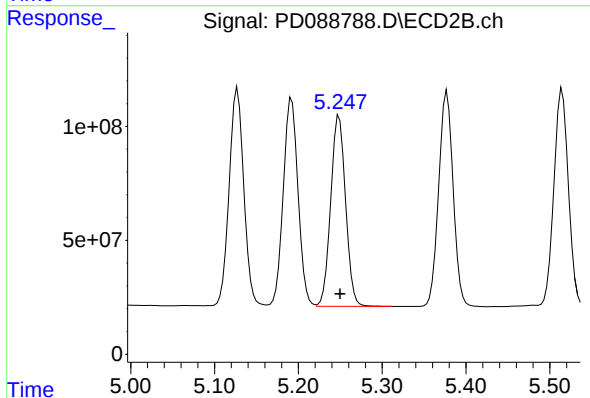
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 214013413
Conc: 56.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

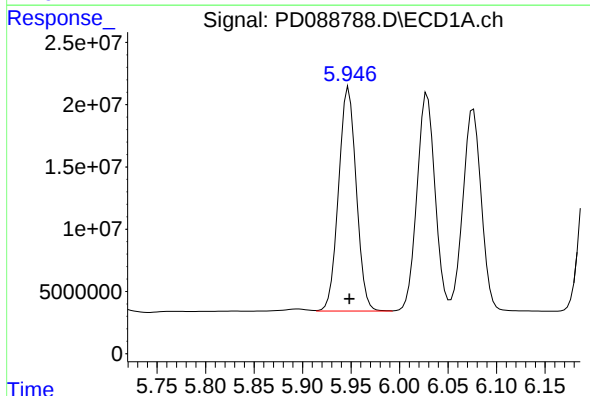
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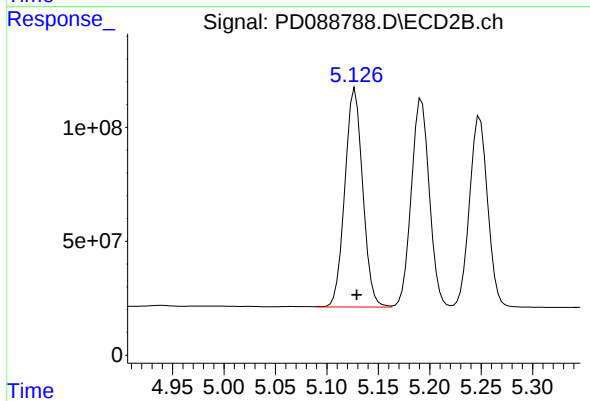
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.001 min
Response: 1029599494
Conc: 54.25 ng/ml



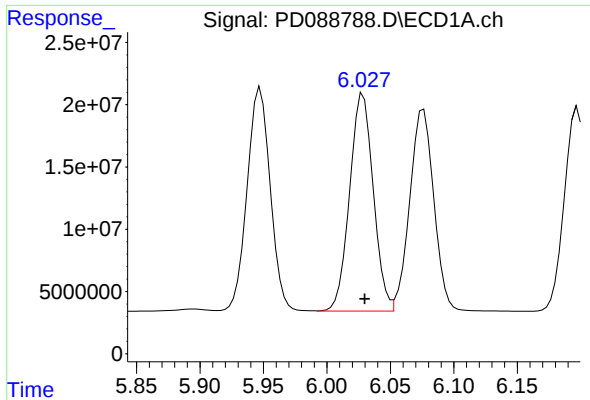
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 227959297
Conc: 57.15 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.001 min
Response: 1163076872
Conc: 54.52 ng/ml



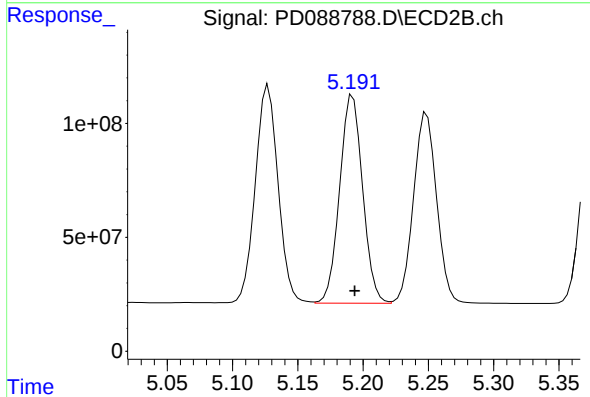
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: -0.001 min
Response: 226516434
Conc: 56.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
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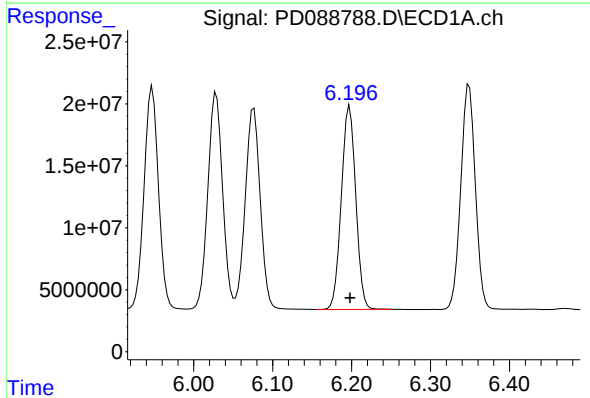
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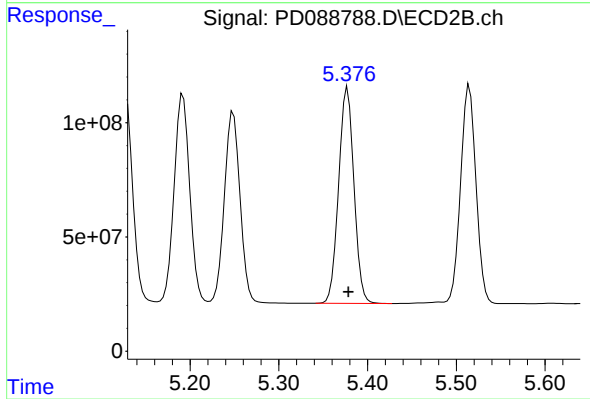
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.001 min
Response: 1118891007
Conc: 54.25 ng/ml



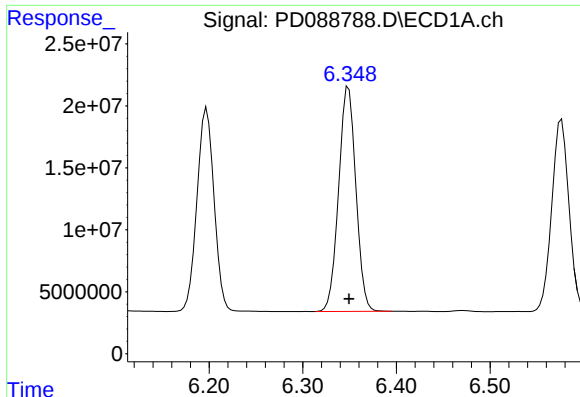
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 208155022
Conc: 57.99 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1133880415
Conc: 54.25 ng/ml



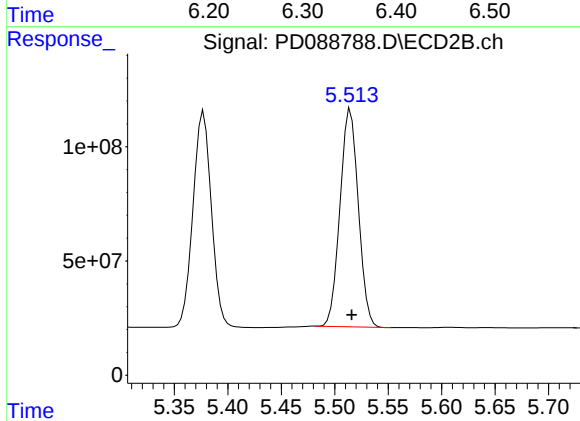
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 232004701
Conc: 57.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
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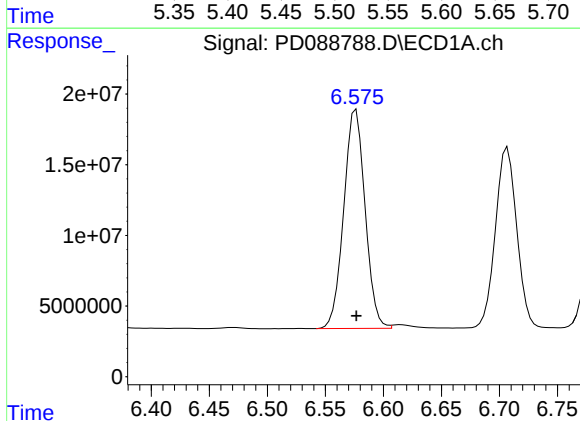
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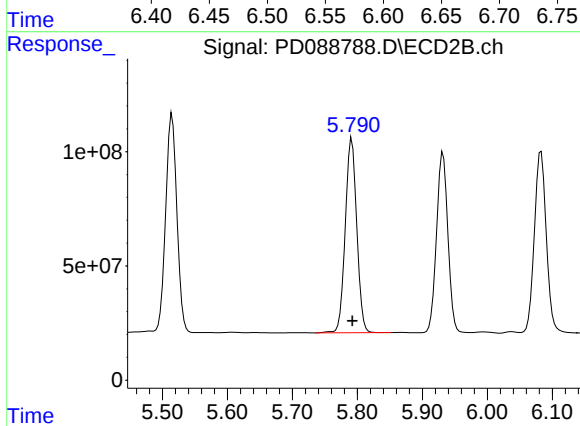
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.001 min
Response: 1140464667
Conc: 54.19 ng/ml



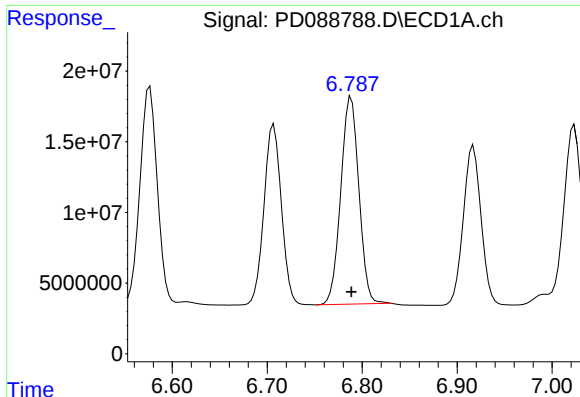
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 198102991
Conc: 58.01 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 1047932013
Conc: 54.34 ng/ml



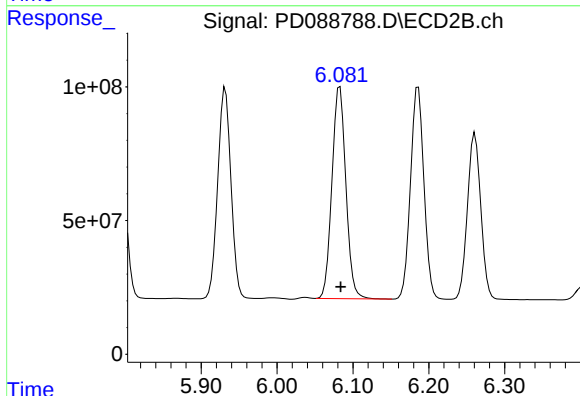
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 194642786
Conc: 56.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
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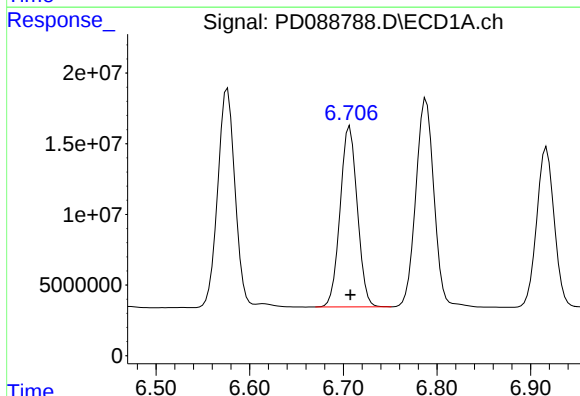
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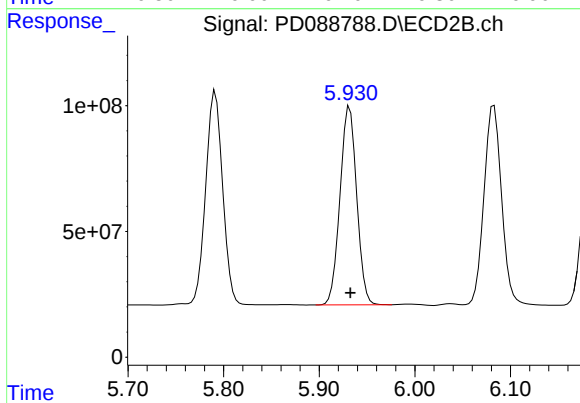
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.001 min
Response: 1012703426
Conc: 55.27 ng/ml



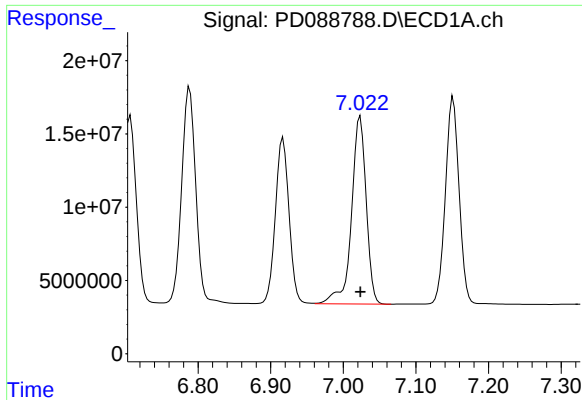
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 162980526
Conc: 58.52 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 959342859
Conc: 55.16 ng/ml



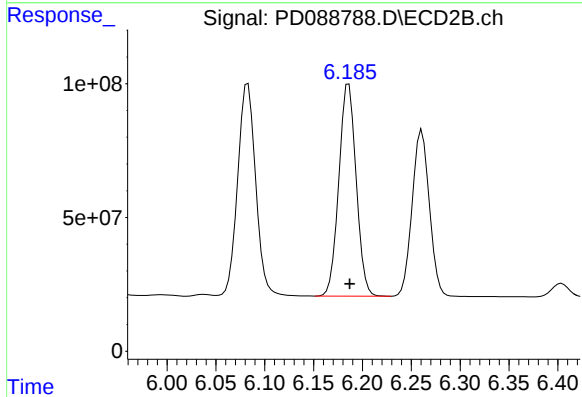
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 180234147
Conc: 57.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

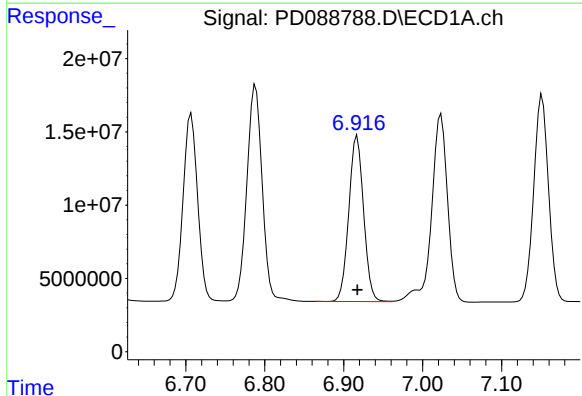
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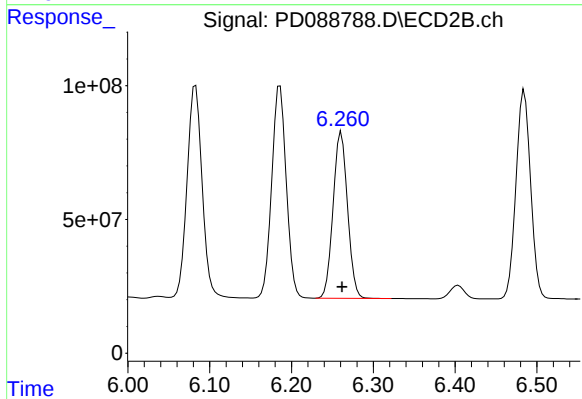
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.001 min
Response: 979165234
Conc: 53.99 ng/ml



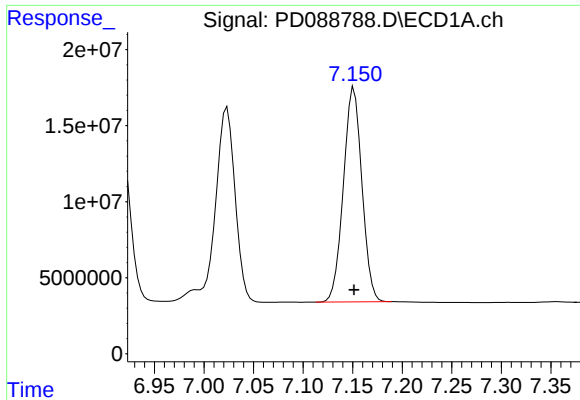
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 147528660
Conc: 57.30 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.001 min
Response: 764463742
Conc: 54.88 ng/ml



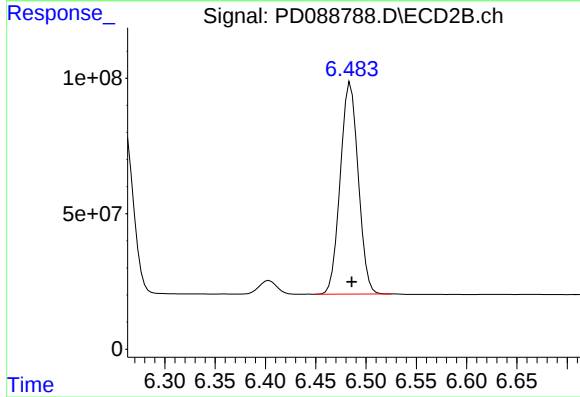
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 183580964
Conc: 57.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

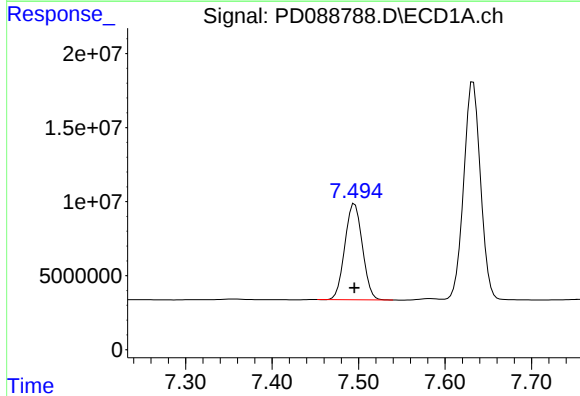
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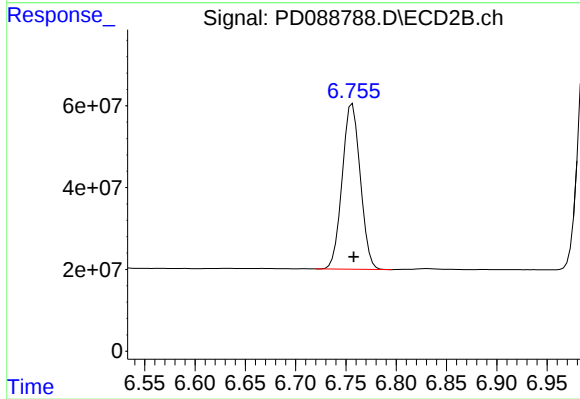
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: -0.001 min
Response: 969889925
Conc: 54.62 ng/ml



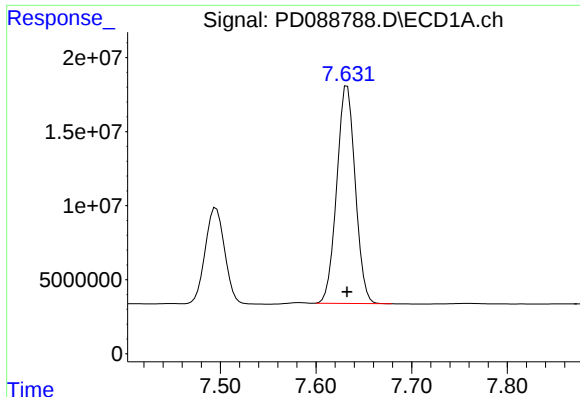
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 91008170
Conc: 54.48 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 505162431
Conc: 52.76 ng/ml



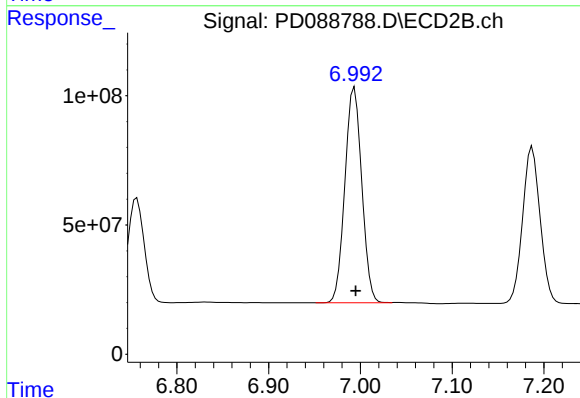
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 197537276
Conc: 57.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

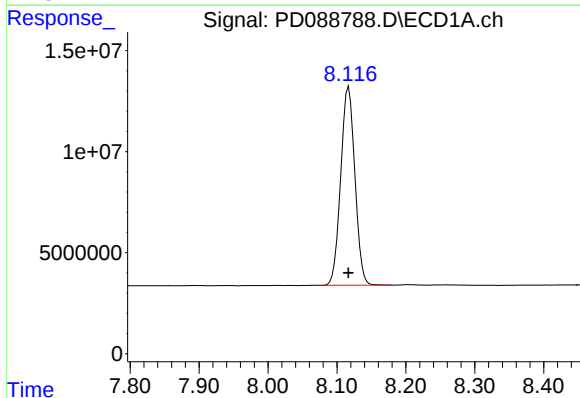
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



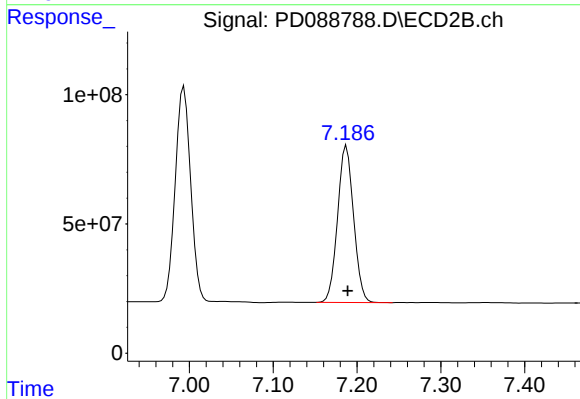
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 1063341925
Conc: 54.96 ng/ml



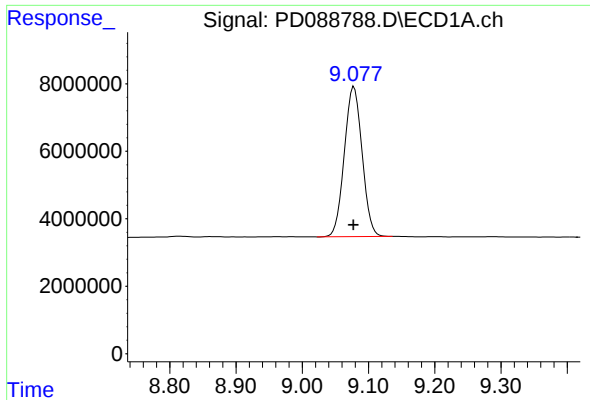
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 140537059
Conc: 54.09 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 804250384
Conc: 52.90 ng/ml



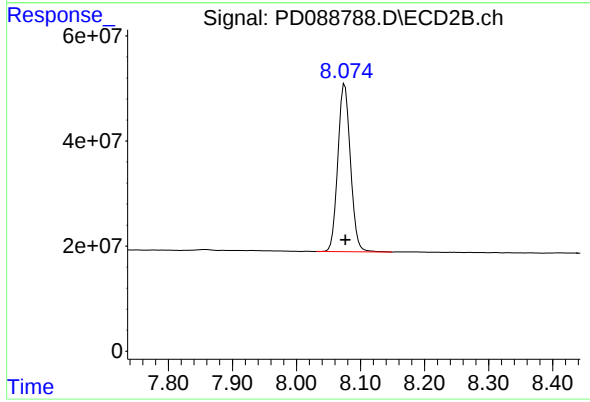
#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 82933431
Conc: 24.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-646-COMP-52MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/03/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 436232410
Conc: 23.89 ng/ml