

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088512.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 12:51
 Operator : AR\AJ
 Sample : Q1956-05MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP1MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/14/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 22:40:37 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 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...	3.552	2.883	43512328	281.2E6	21.785	19.234
2)	SA Decachlor...	9.073	8.075	71443577	330.1E6	21.597	17.864
Target Compounds							
2)	A alpha-BHC	4.001	3.395	264.3E6	1198.5E6	61.298	52.423
3)	MA gamma-BHC...	4.332	3.732	254.6E6	1115.6E6	60.794	51.797
4)	MA Heptachlor	4.931	4.085	242.9E6	1075.9E6	60.150	50.282
5)	MB Aldrin	5.273	4.371	234.9E6	1062.4E6	59.474	51.068
6)	B beta-BHC	4.517	4.027	96618112	489.9E6	59.517	52.935
7)	B delta-BHC	4.765	4.264	270.3E6	1132.9E6	65.533	53.282
8)	B Heptachlo...	5.692	4.875	217.5E6	987.3E6	60.845	52.254
9)	A Endosulfan I	6.076	5.249	204.9E6	933.4E6	60.668	51.821
10)	B gamma-Chl...	5.947	5.128	219.2E6	1050.4E6	60.514	51.755
11)	B alpha-Chl...	6.028	5.193	217.9E6	1016.8E6	60.363	51.872
12)	B 4,4'-DDE	6.197	5.378	196.2E6	1013.9E6	59.478	51.484
13)	MA Dieldrin	6.348	5.515	218.9E6	1028.0E6	61.355	51.571
14)	MA Endrin	6.575	5.791	179.4E6	931.6E6	60.137	51.183
15)	B Endosulfa...	6.786	6.083	182.3E6	906.9E6	58.320	51.757
16)	A 4,4'-DDD	6.706	5.932	151.9E6	850.3E6	60.392	51.893
17)	MA 4,4'-DDT	7.021	6.186	159.7E6	852.6E6	57.498m	50.102
18)	B Endrin al...	6.916	6.260	138.6E6	684.4E6	60.033	51.458
19)	B Endosulfa...	7.150	6.484	171.4E6	856.9E6	59.614	50.016
20)	A Methoxychlor	7.493	6.756	84337634	435.9E6	56.242	47.795
21)	B Endrin ke...	7.631	6.993	182.6E6	915.8E6	59.163	48.962
22)	Mirex	8.115	7.188	129.8E6	678.2E6	55.266	45.762

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 12:51
Operator : AR\AJ
Sample : Q1956-05MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

COMP1MS

Manual Integrations

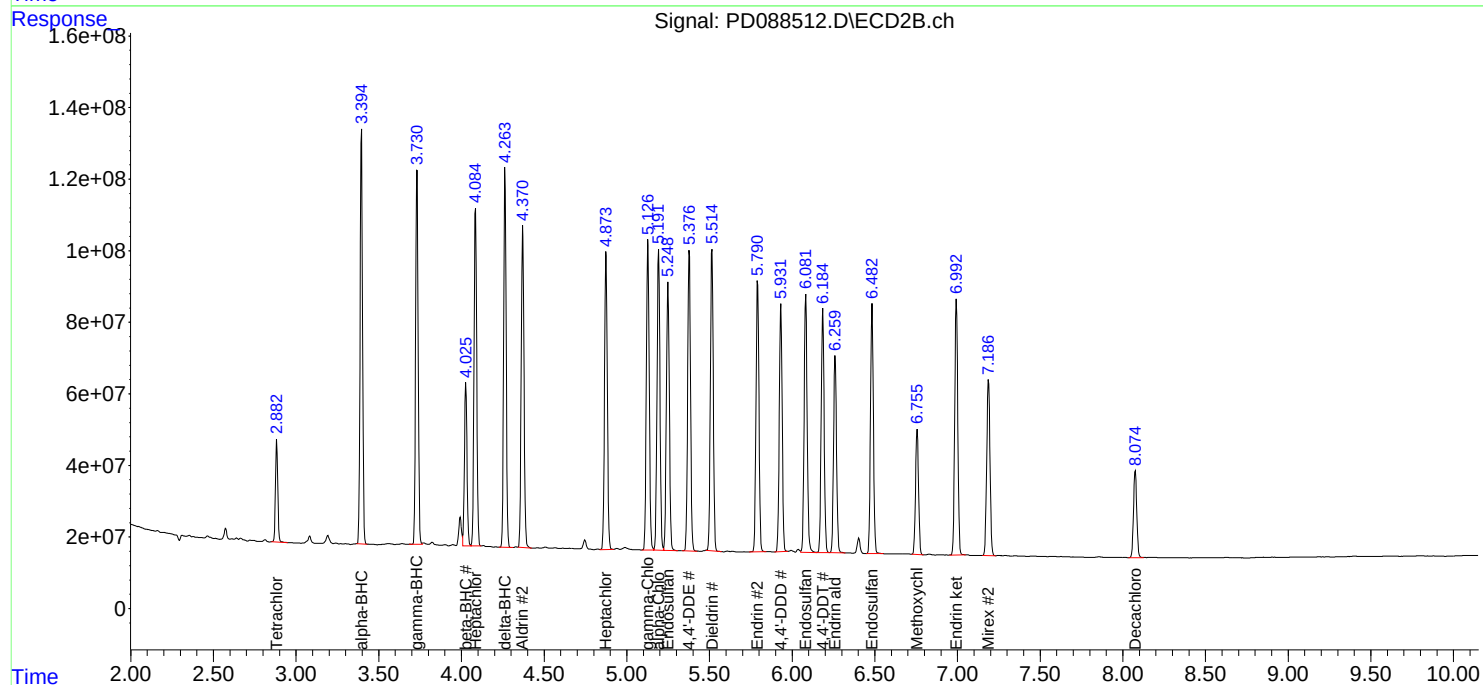
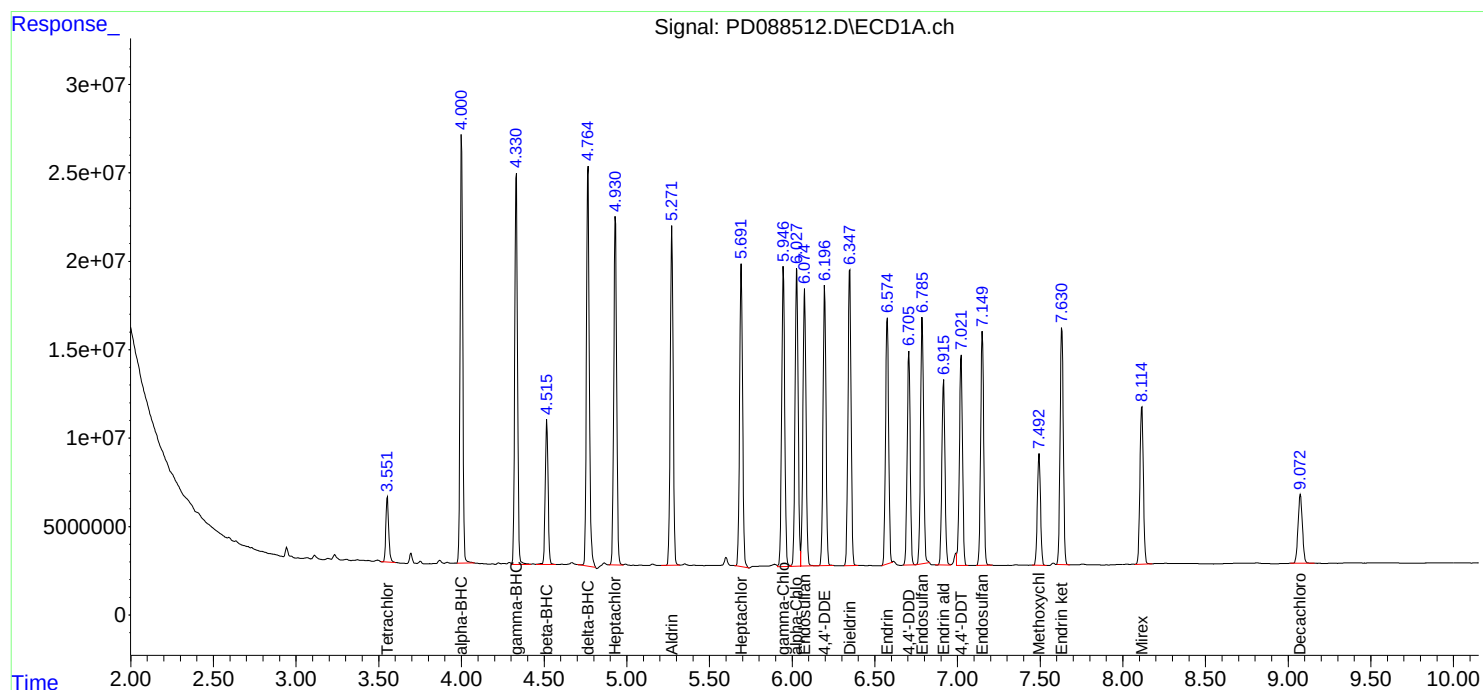
APPROVED

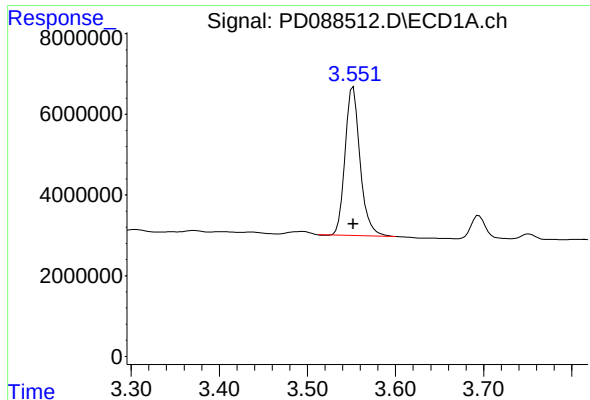
Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:40:37 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





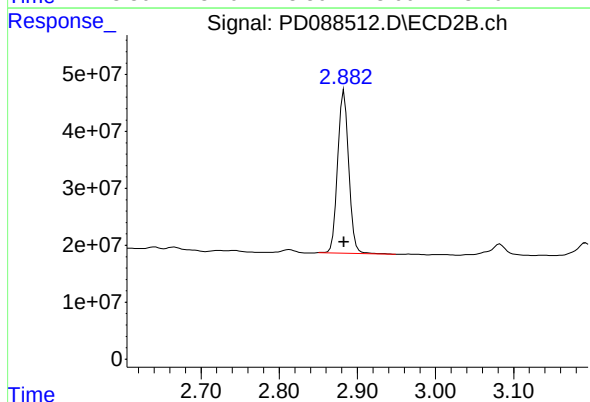
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 43512328
Conc: 21.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

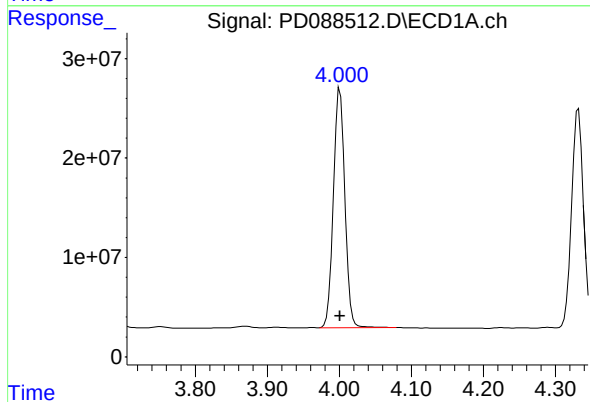
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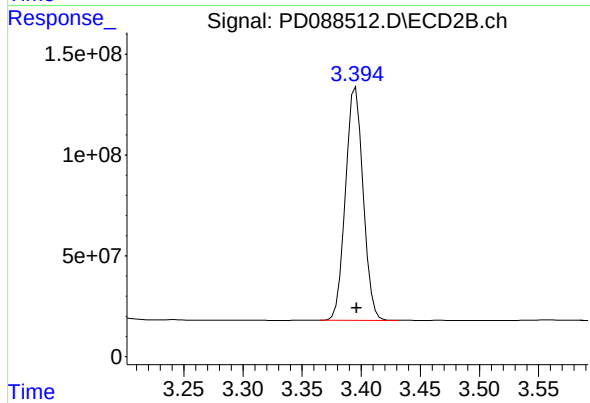
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 281234867
Conc: 19.23 ng/ml



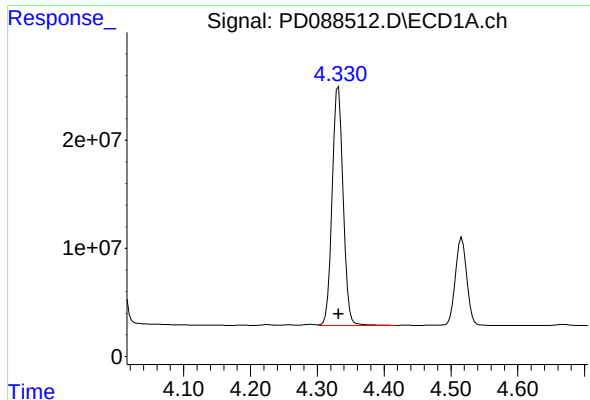
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 264318049
Conc: 61.30 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1198471655
Conc: 52.42 ng/ml



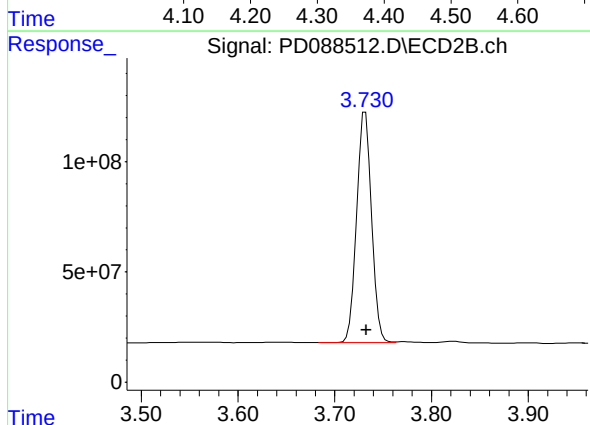
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 254577021
Conc: 60.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

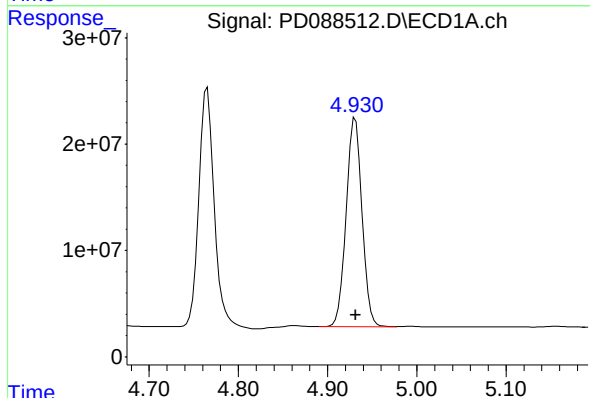
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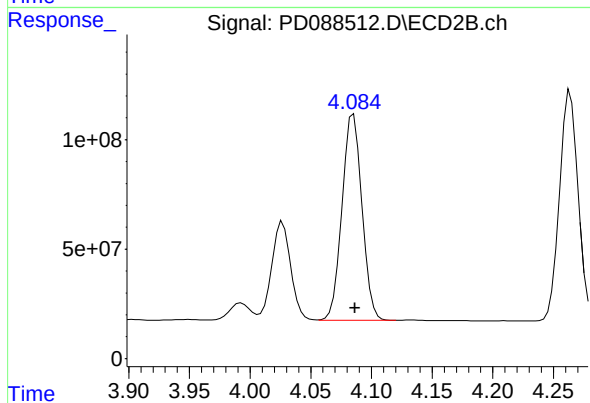
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 1115629967
Conc: 51.80 ng/ml



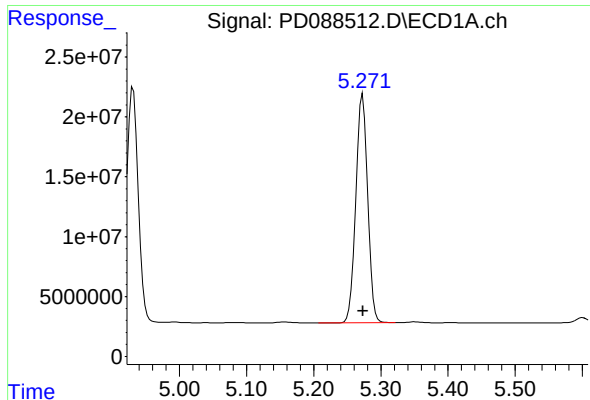
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 242944884
Conc: 60.15 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.001 min
Response: 1075949299
Conc: 50.28 ng/ml



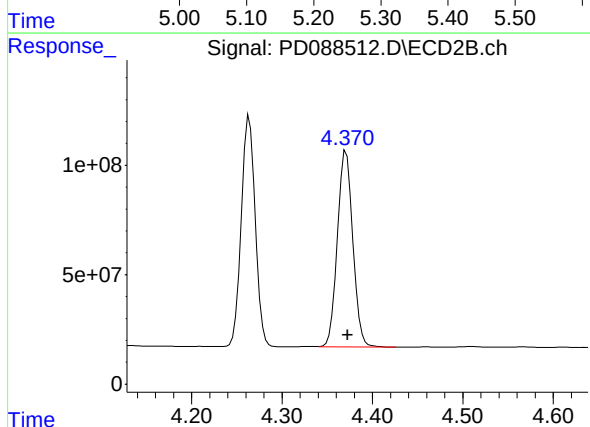
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 234897413
Conc: 59.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

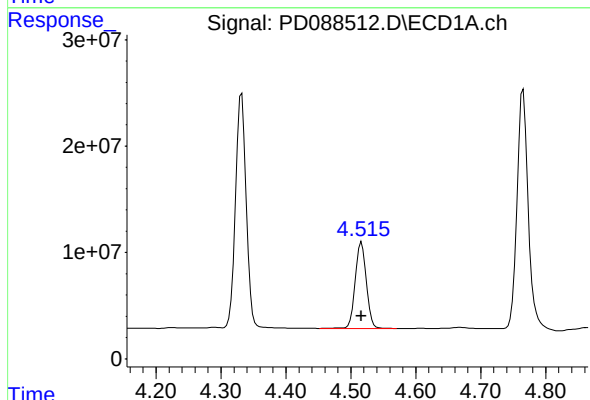
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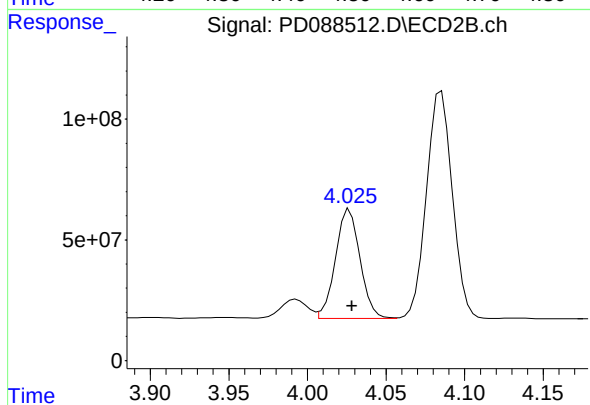
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: -0.002 min
Response: 1062366861
Conc: 51.07 ng/ml



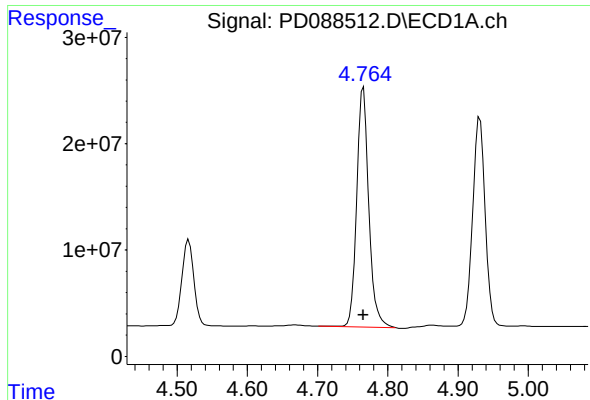
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 96618112
Conc: 59.52 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.001 min
Response: 489868002
Conc: 52.94 ng/ml



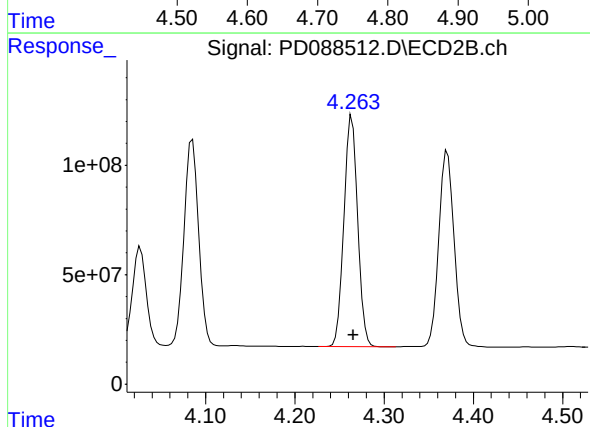
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 270321045
Conc: 65.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

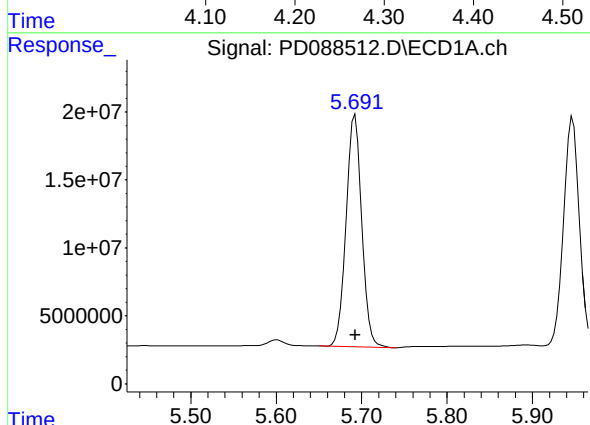
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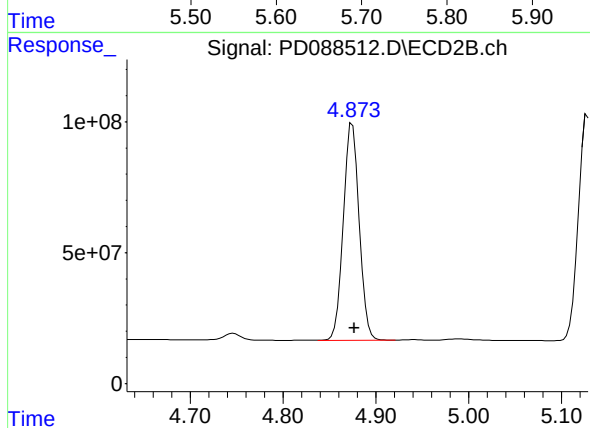
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.001 min
Response: 1132853534
Conc: 53.28 ng/ml



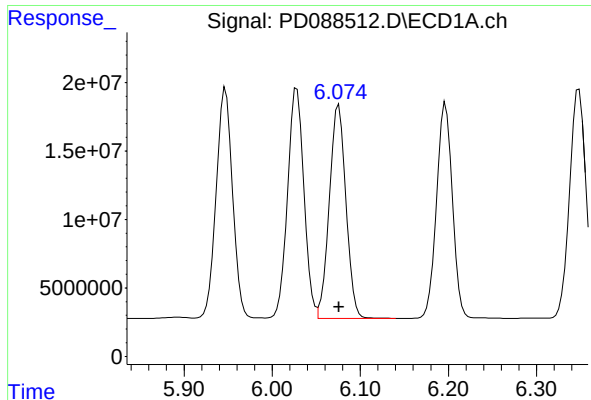
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 217457804
Conc: 60.85 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 987305797
Conc: 52.25 ng/ml



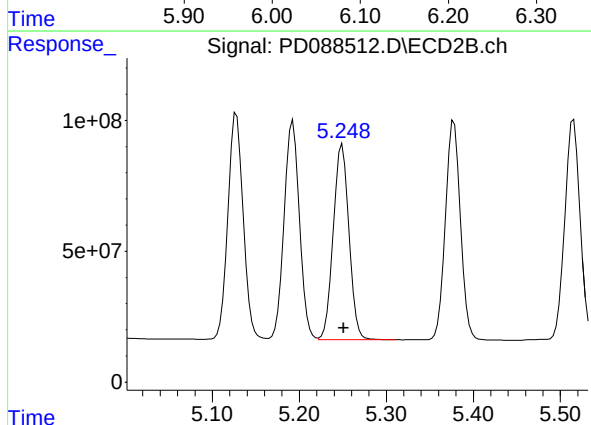
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 204885713
Conc: 60.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

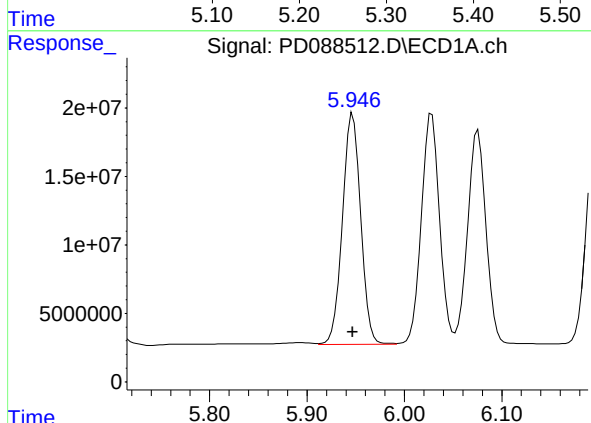
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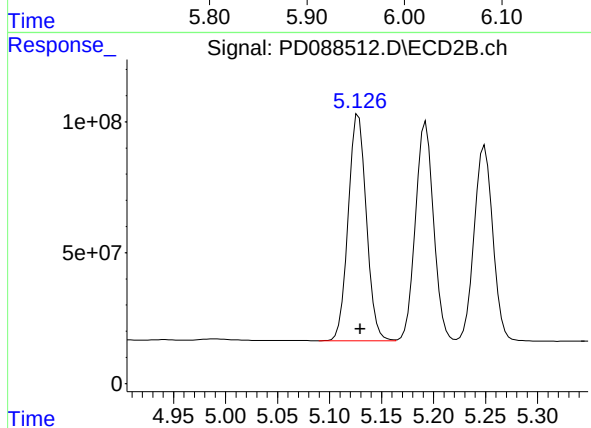
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.002 min
Response: 933418804
Conc: 51.82 ng/ml



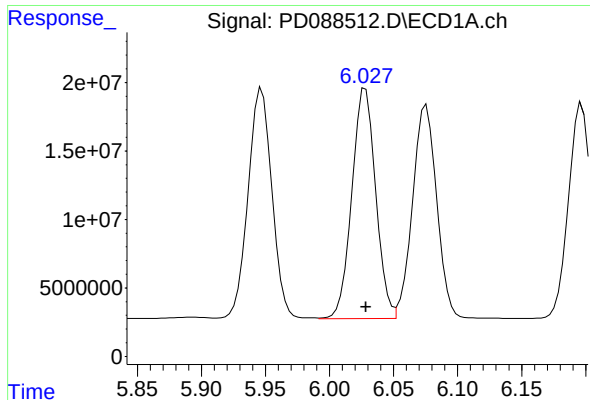
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 219186058
Conc: 60.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: -0.002 min
Response: 1050428678
Conc: 51.76 ng/ml



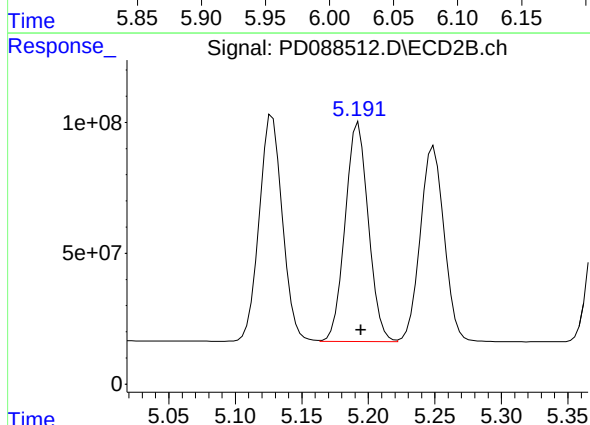
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 217884985
Conc: 60.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

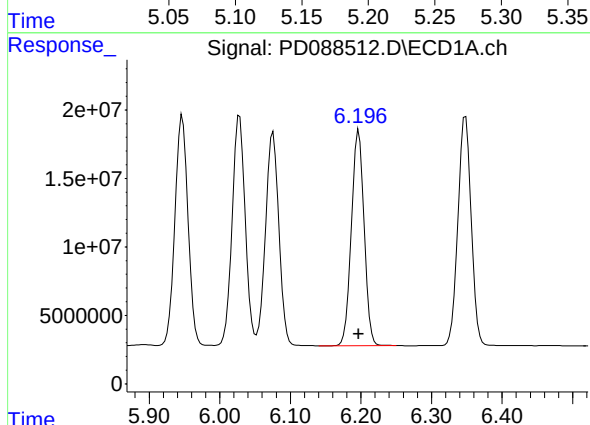
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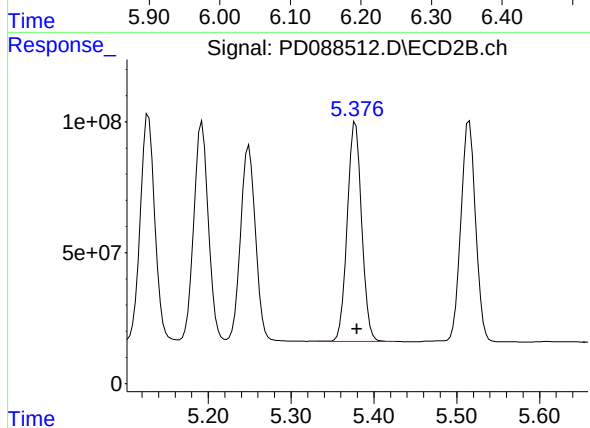
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: -0.002 min
Response: 1016844832
Conc: 51.87 ng/ml



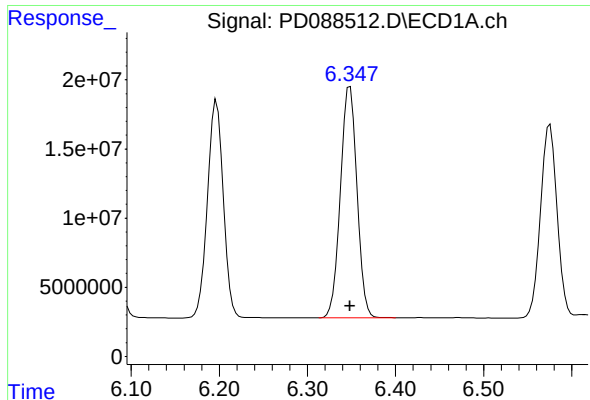
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 196172613
Conc: 59.48 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 1013923499
Conc: 51.48 ng/ml



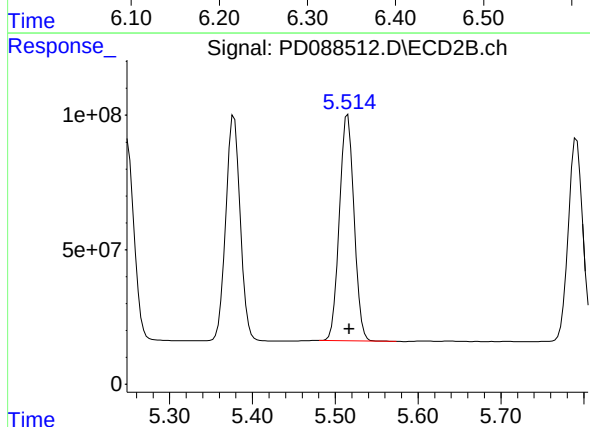
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 218946561
Conc: 61.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

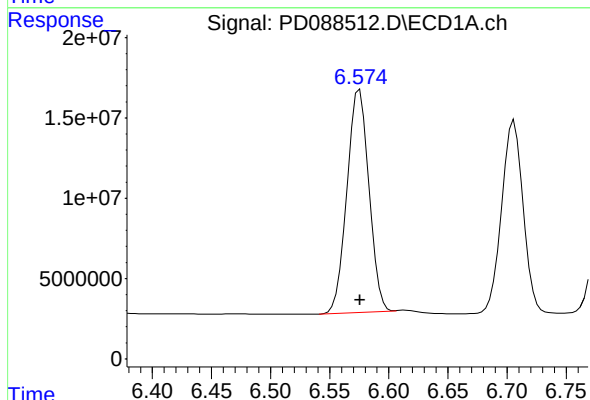
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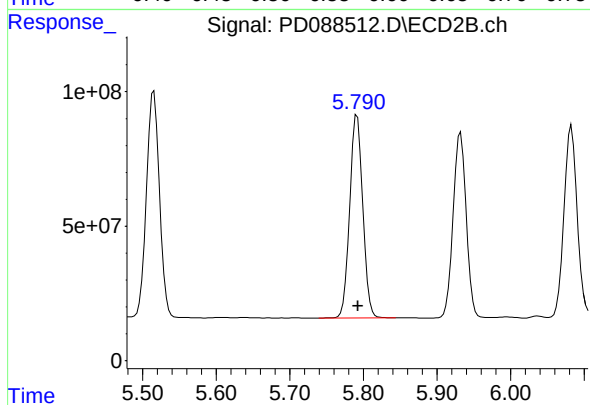
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 1027950258
Conc: 51.57 ng/ml



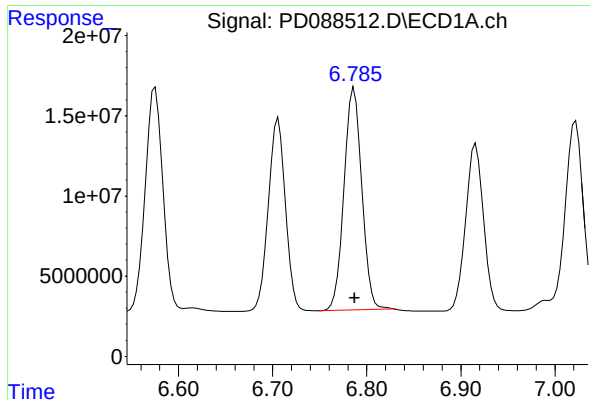
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 179363956
Conc: 60.14 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 931648742
Conc: 51.18 ng/ml



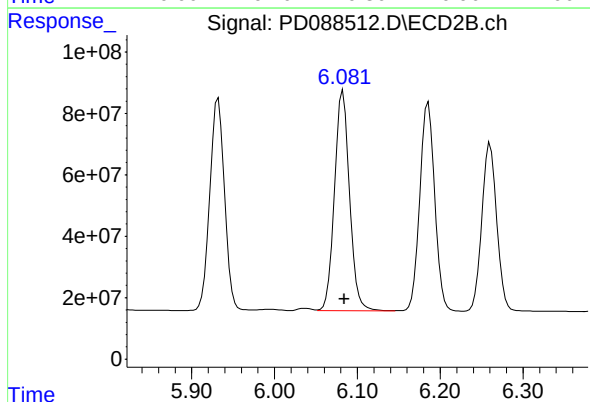
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 182320227
Conc: 58.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

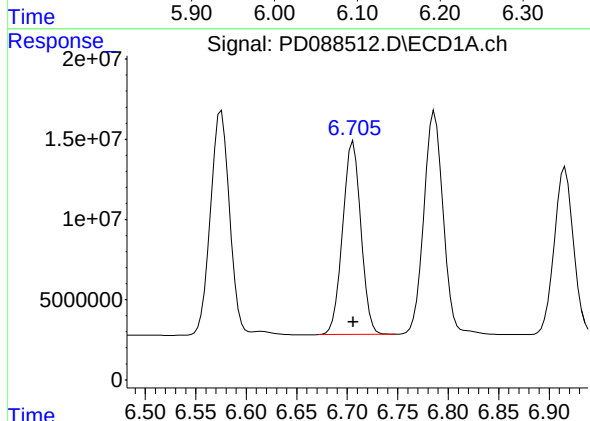
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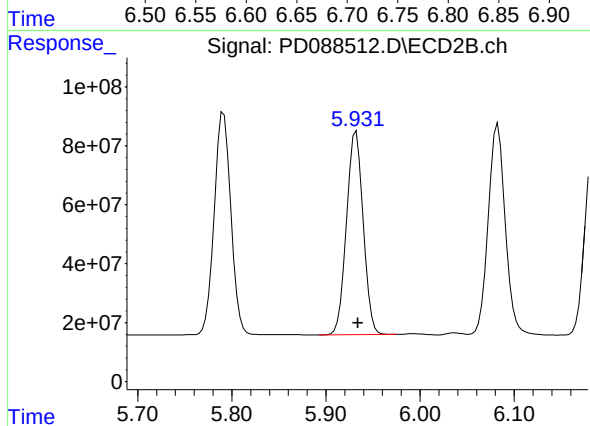
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.002 min
Response: 906860411
Conc: 51.76 ng/ml



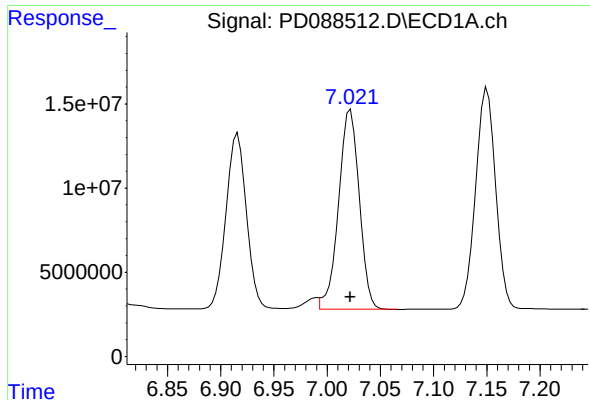
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 151884092
Conc: 60.39 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 850323004
Conc: 51.89 ng/ml



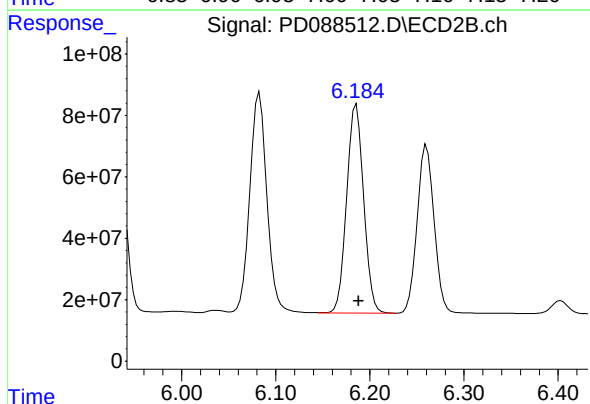
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 159704182
Conc: 57.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

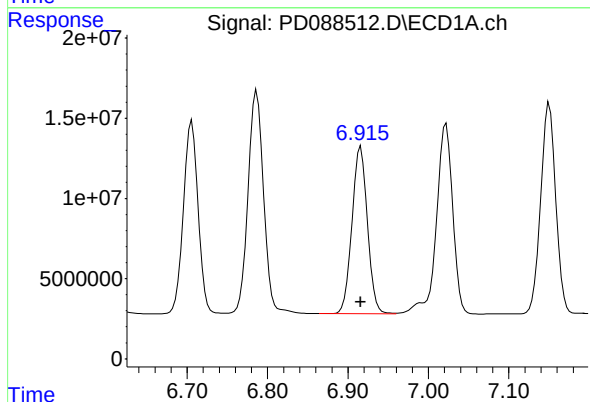
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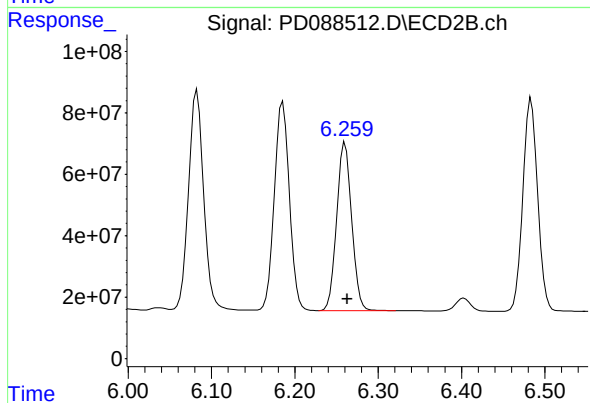
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 852560964
Conc: 50.10 ng/ml



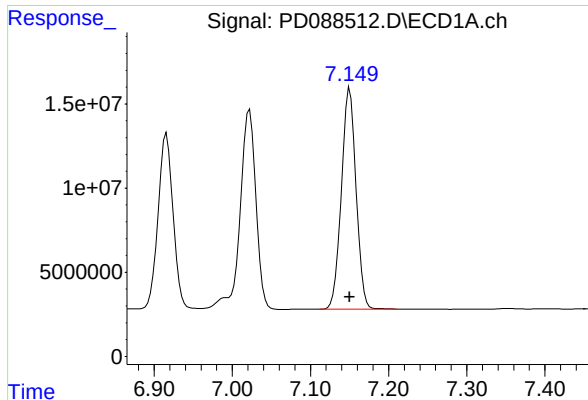
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 138555077
Conc: 60.03 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 684441682
Conc: 51.46 ng/ml



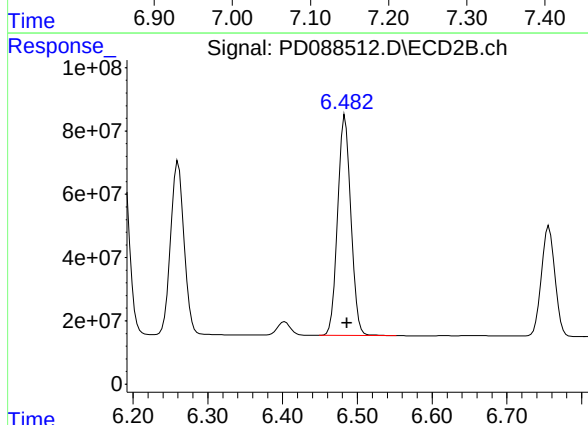
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 171440272
Conc: 59.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

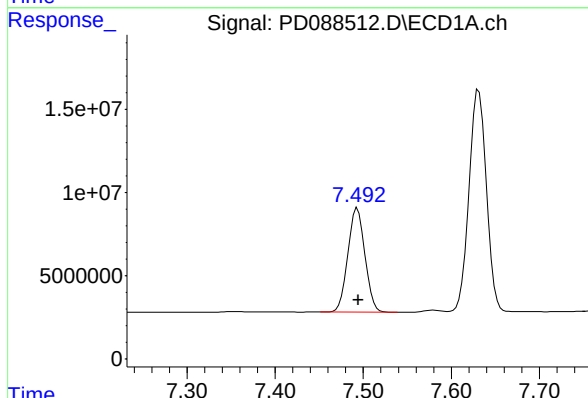
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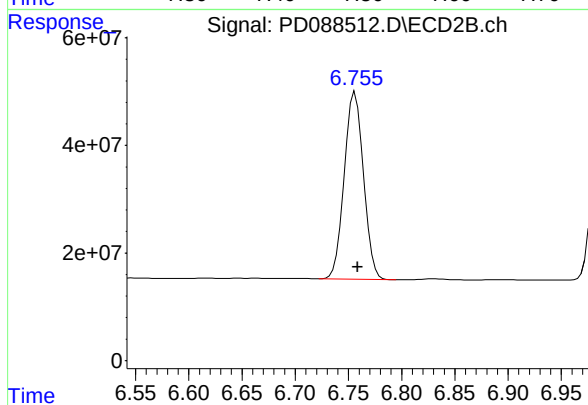
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 856936898
Conc: 50.02 ng/ml



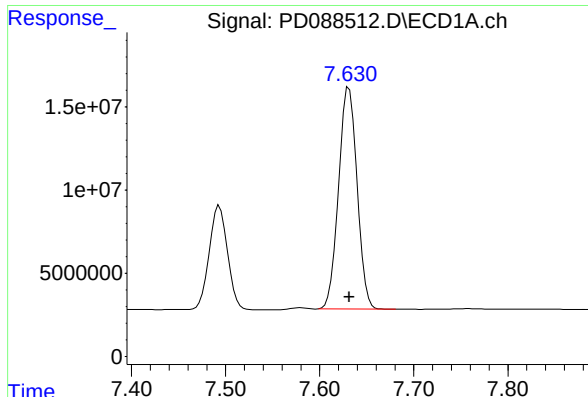
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.001 min
Response: 84337634
Conc: 56.24 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 435937859
Conc: 47.79 ng/ml



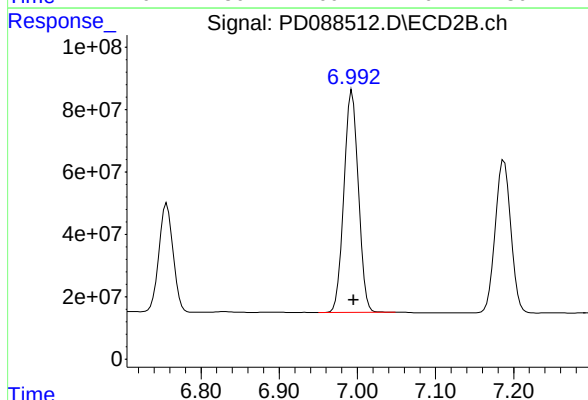
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 182611734
Conc: 59.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

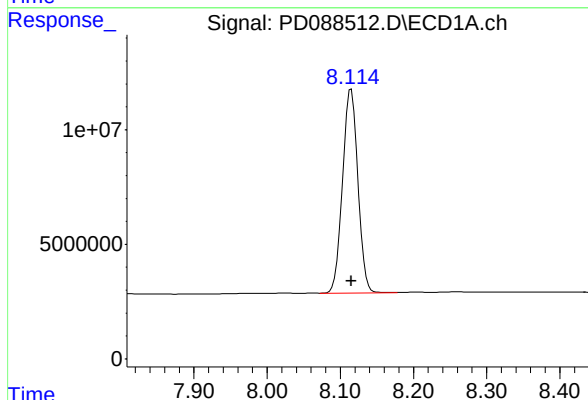
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APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



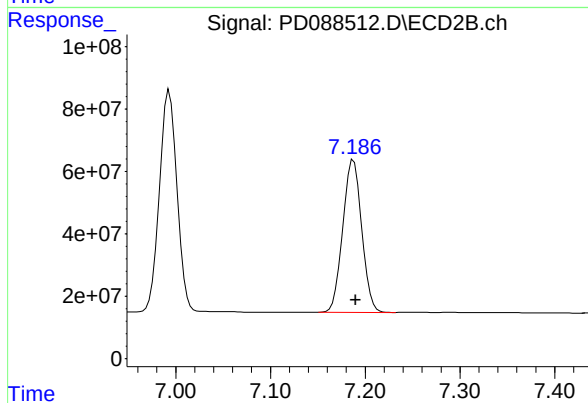
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 915791569
Conc: 48.96 ng/ml



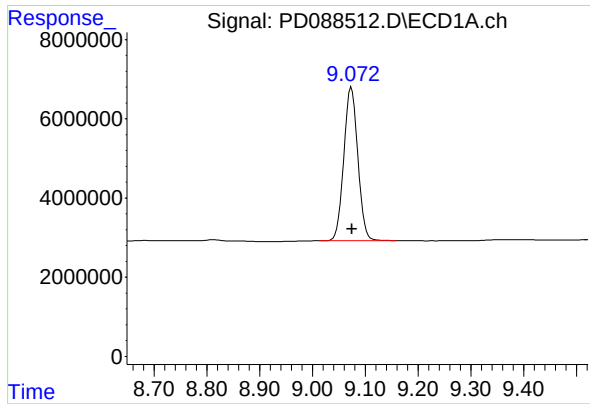
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 129782105
Conc: 55.27 ng/ml



#22 Mirex

R.T.: 7.188 min
Delta R.T.: -0.002 min
Response: 678234389
Conc: 45.76 ng/ml



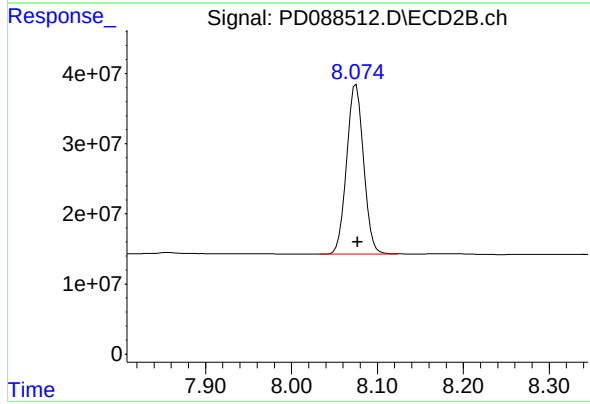
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 71443577
Conc: 21.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP1MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 330116374
Conc: 17.86 ng/ml