

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062325\
 Data File : PD089085.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jun 2025 15:34
 Operator : AR\AJ
 Sample : Q2388-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-12MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/24/2025
 Supervised By : mohammad ahmed 06/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 24 01:52:09 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 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...	3.550	2.881	32731639	225.4E6	11.472	13.298
28)	SA Decachlor...	9.072	8.071	55482659	241.1E6	14.126	12.193
Target Compounds							
2)	A alpha-BHC	3.999	3.393	204.3E6	697.5E6	35.050	26.028 #
3)	MA gamma-BHC...	4.331	3.730	209.6E6	784.5E6	37.547	31.687
4)	MA Heptachlor	4.930	4.083	205.8E6	790.9E6	37.752	31.588
5)	MB Aldrin	5.271	4.369	195.9E6	828.1E6	36.870	34.193
6)	B beta-BHC	4.516	4.026	72027783	391.2E6	32.634	36.407
7)	B delta-BHC	4.764	4.262	201.2E6	806.1E6	39.190	32.409
8)	B Heptachlo...	5.689	4.871	180.2E6	817.4E6	37.359m	37.325m
9)	A Endosulfan I	6.075	5.247	179.8E6	782.6E6	39.885	37.548
10)	B gamma-Chl...	5.944	5.124	180.5E6	871.9E6	37.692m	36.447m
11)	B alpha-Chl...	6.027	5.189	186.5E6	802.0E6	38.540	35.028m
12)	B 4,4'-DDE	6.196	5.375	162.8E6	766.5E6	37.334	33.449
13)	MA Dieldrin	6.347	5.513	184.2E6	841.5E6	38.401	36.257
14)	MA Endrin	6.573	5.787	161.1E6	801.5E6	39.061	36.913m
15)	B Endosulfa...	6.786	6.080	150.5E6	785.5E6	37.274	38.892
16)	A 4,4'-DDD	6.705	5.929	135.4E6	703.4E6	39.444	36.770
17)	MA 4,4'-DDT	7.020	6.183	148.2E6	744.9E6	39.110	36.732
18)	B Endrin al...	6.914	6.258	120.8E6	571.5E6	39.417	37.328
19)	B Endosulfa...	7.148	6.482	148.0E6	718.3E6	38.569	36.607
20)	A Methoxychlor	7.492	6.753	73477660	384.3E6	36.364	35.684
21)	B Endrin ke...	7.630	6.990	157.6E6	775.8E6	38.698	35.916
22)	Mirex	8.112	7.184	119.4E6	580.6E6	39.291	34.814

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062325\
Data File : PD089085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jun 2025 15:34
Operator : AR\AJ
Sample : Q2388-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-12MS

Manual Integrations

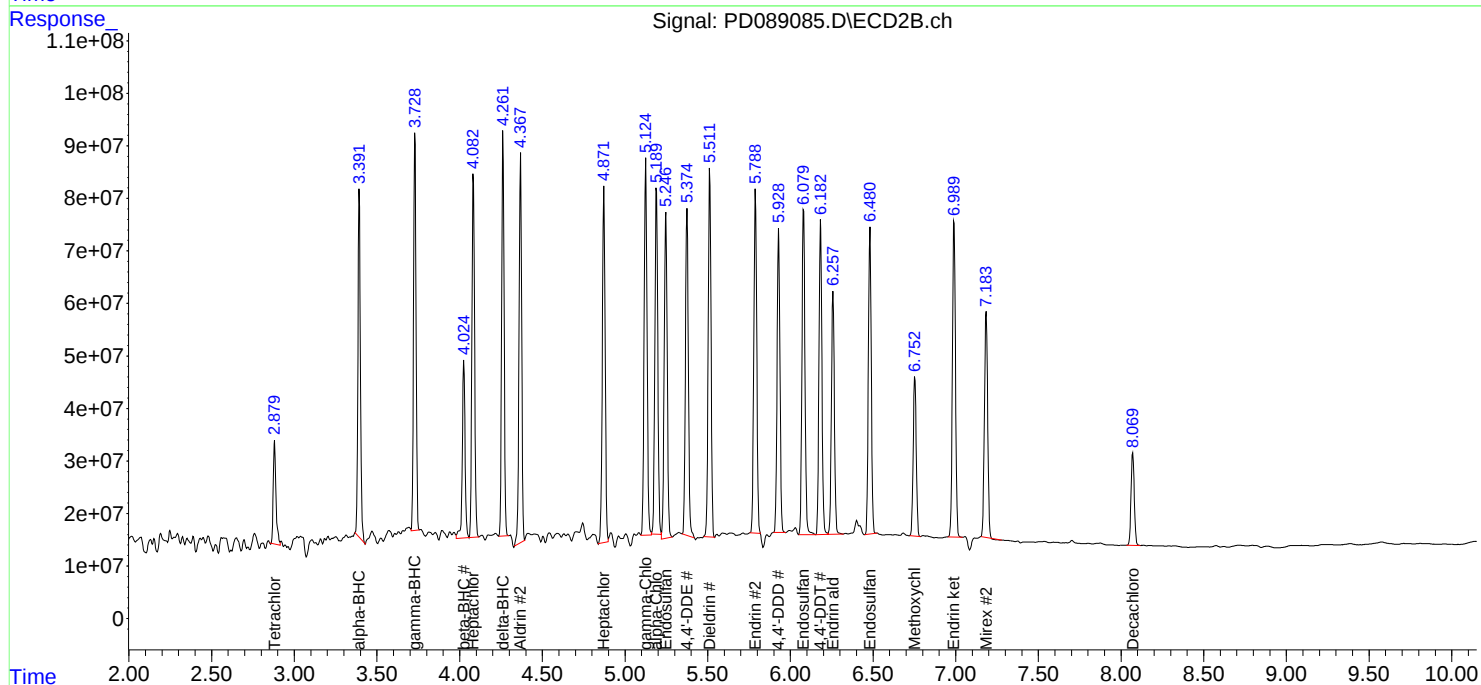
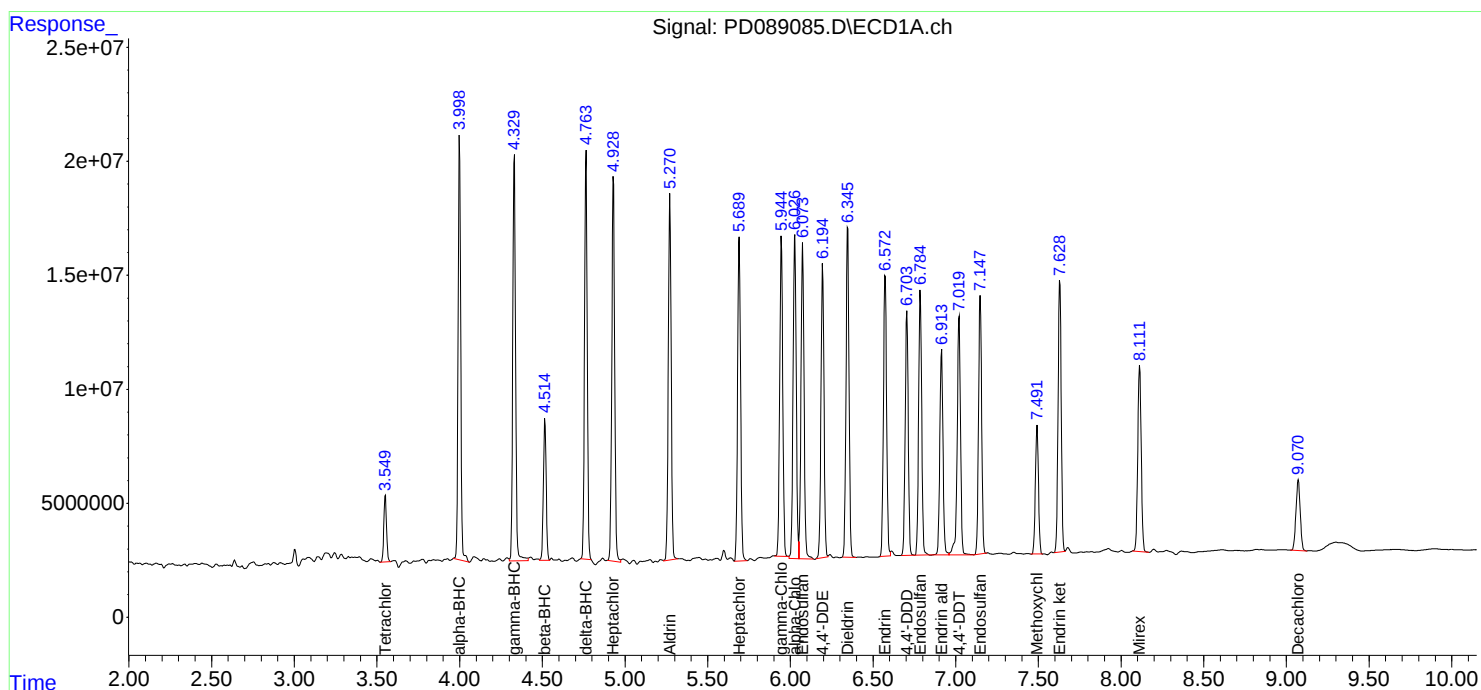
APPROVED

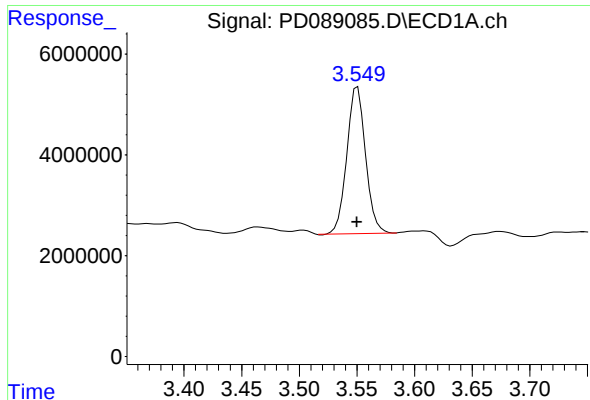
Reviewed By :Abdul Mirza 06/24/2025

Supervised By :mohammad ahmed 06/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 24 01:52:09 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





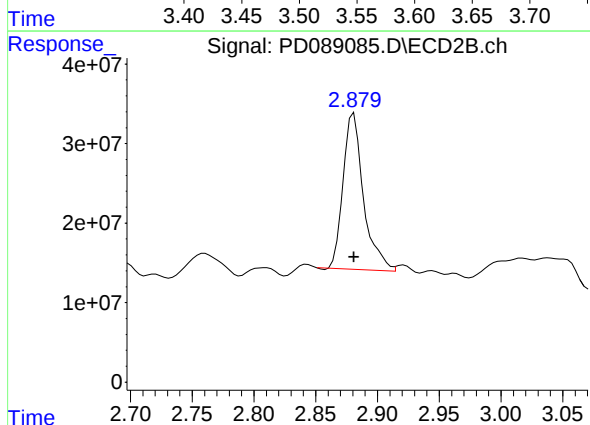
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 32731639
Conc: 11.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

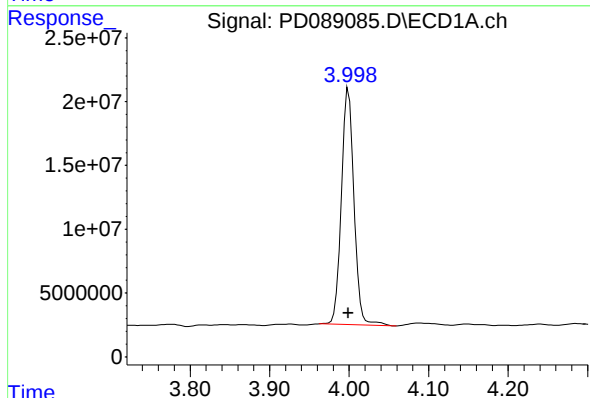
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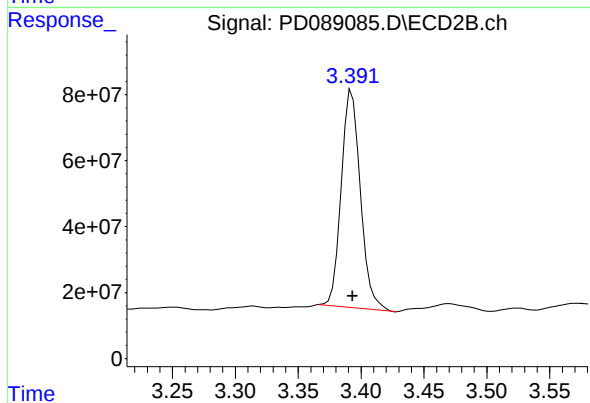
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 225447264
Conc: 13.30 ng/ml



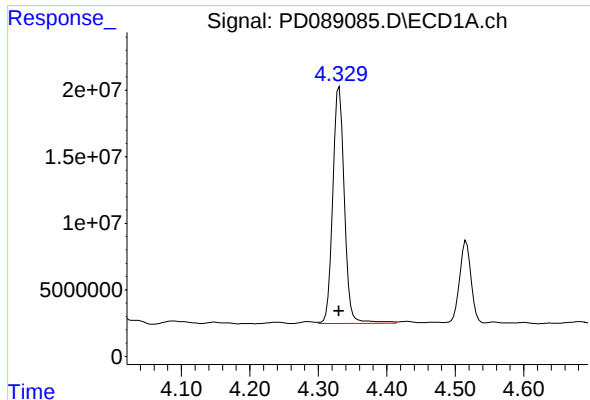
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 204306481
Conc: 35.05 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 697476092
Conc: 26.03 ng/ml



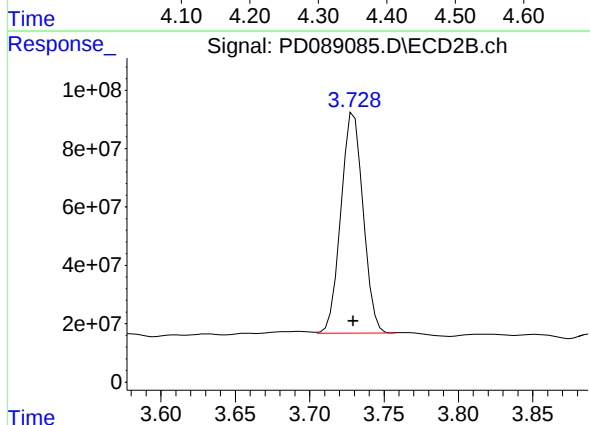
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 209577782
Conc: 37.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

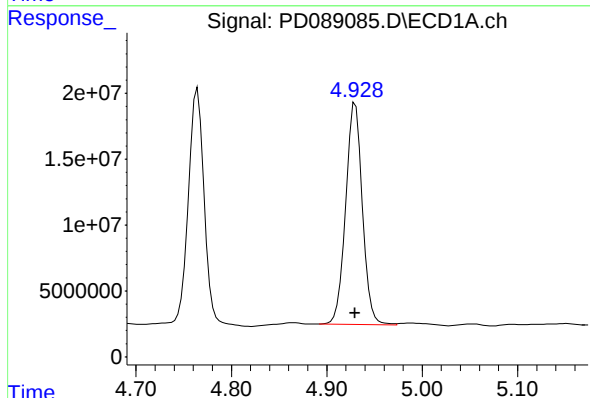
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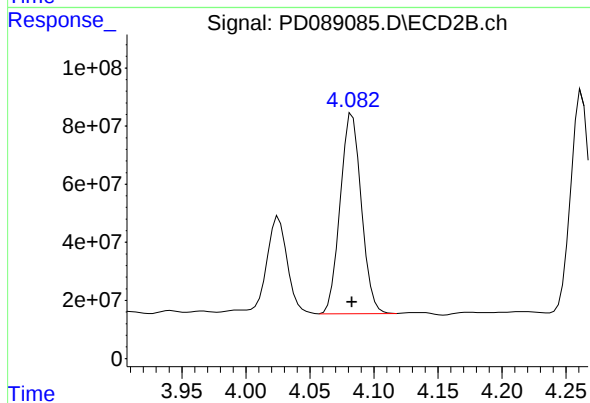
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 784470880
Conc: 31.69 ng/ml



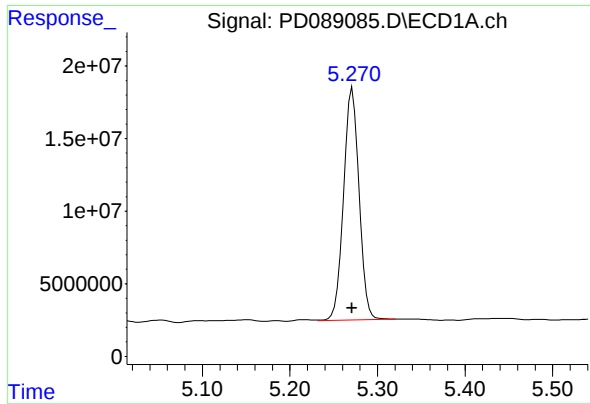
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 205824376
Conc: 37.75 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 790910454
Conc: 31.59 ng/ml



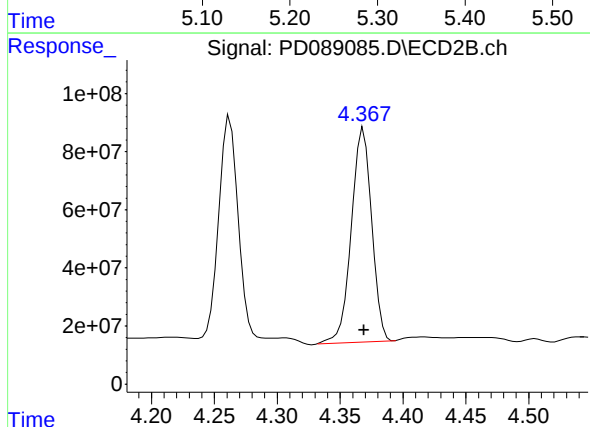
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 195888648
Conc: 36.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

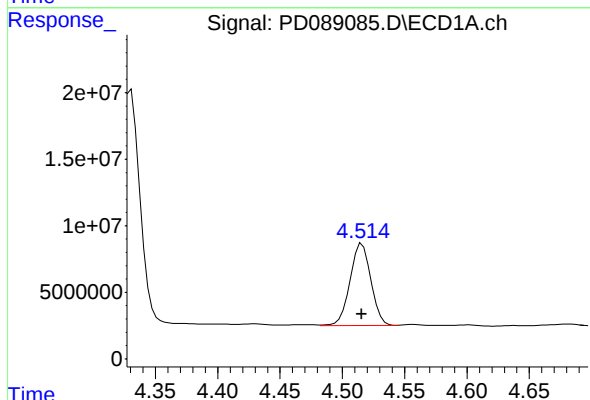
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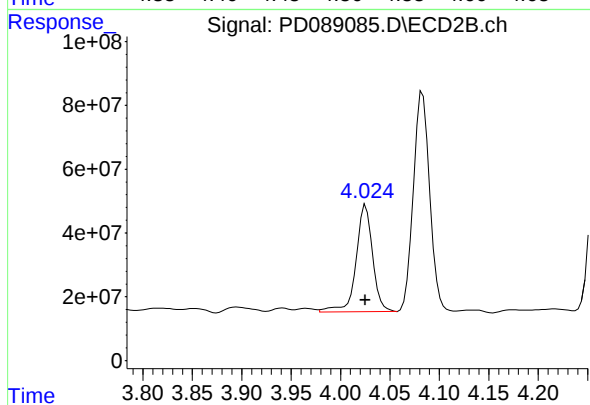
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 828050237
Conc: 34.19 ng/ml



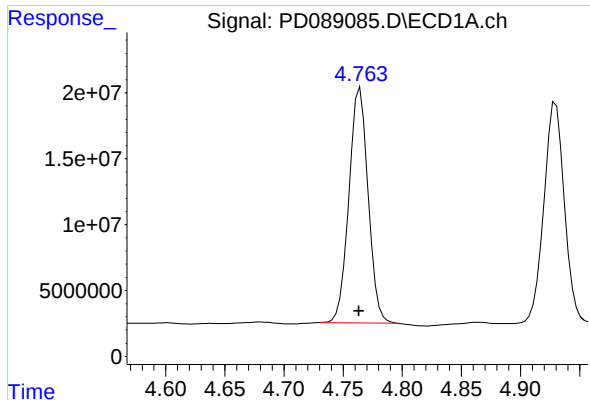
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 72027783
Conc: 32.63 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 391234089
Conc: 36.41 ng/ml



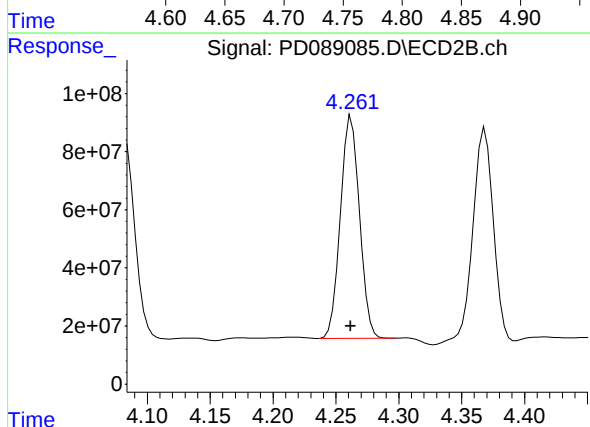
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 201158155
Conc: 39.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

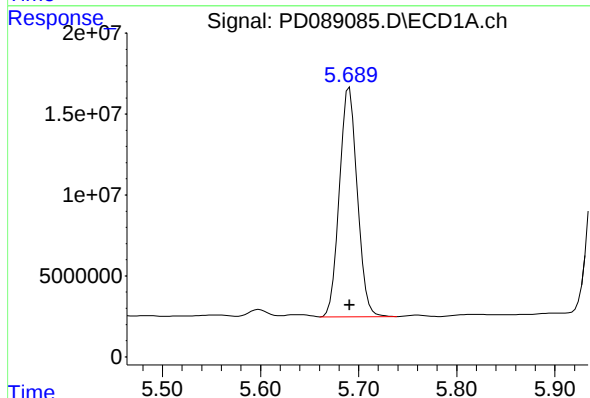
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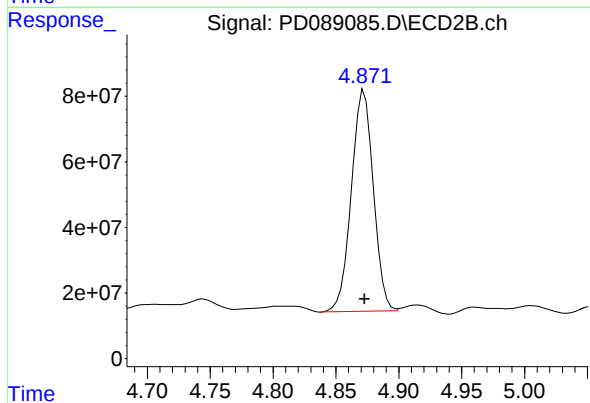
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 806133702
Conc: 32.41 ng/ml



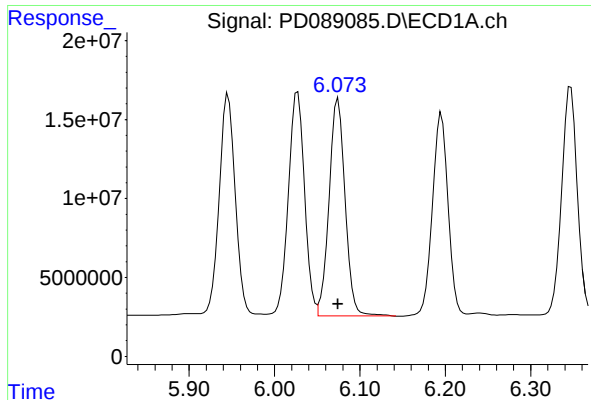
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 180219550
Conc: 37.36 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 817353047
Conc: 37.33 ng/ml m



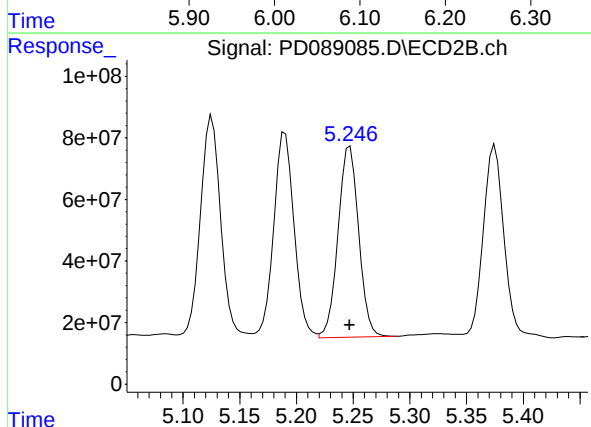
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 179780873
Conc: 39.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

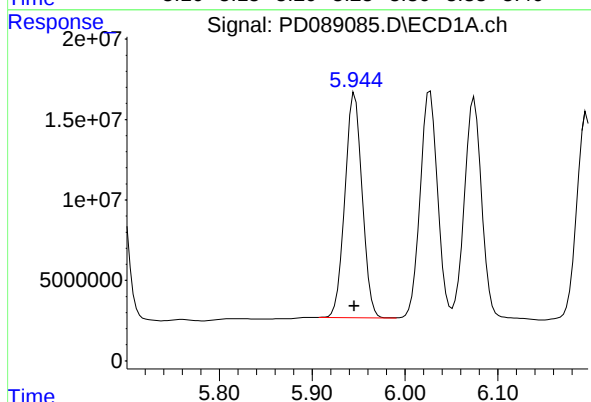
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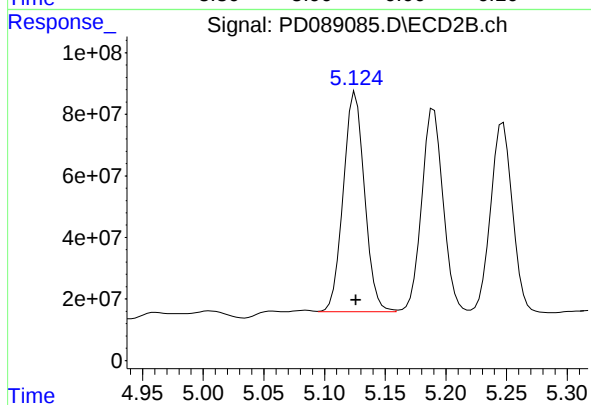
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 782599506
Conc: 37.55 ng/ml



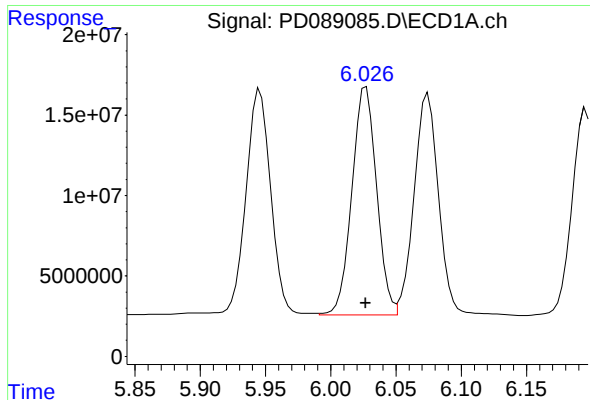
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 180474322
Conc: 37.69 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 871902579
Conc: 36.45 ng/ml m



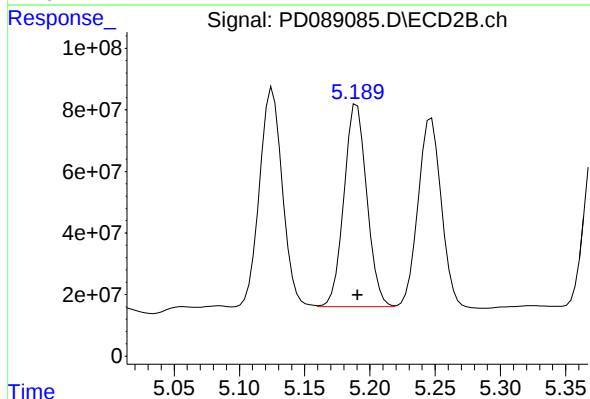
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 186478499
Conc: 38.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

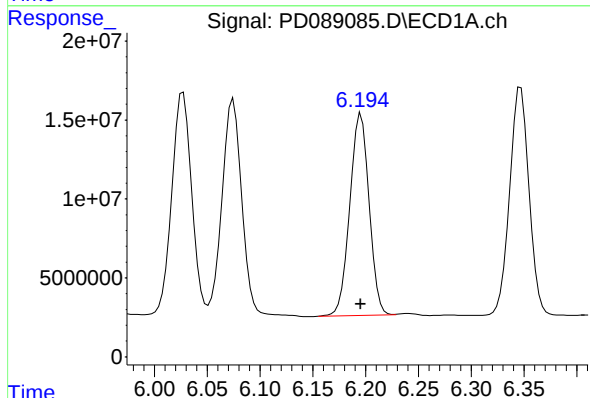
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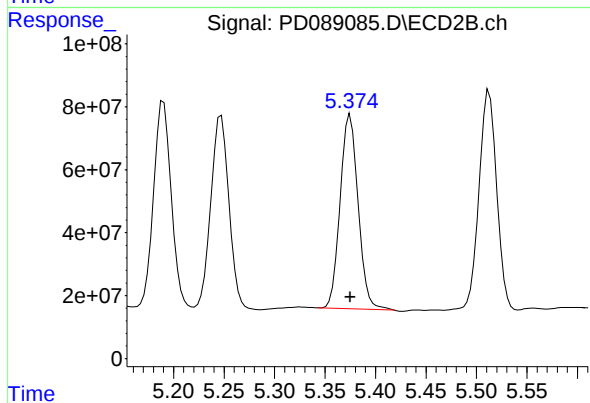
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 802024803
Conc: 35.03 ng/ml



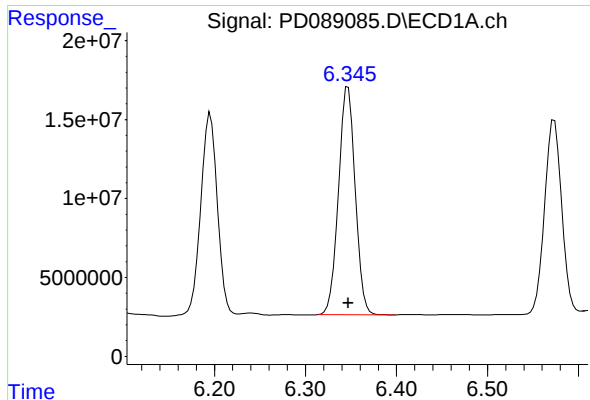
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 162814462
Conc: 37.33 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 766523421
Conc: 33.45 ng/ml



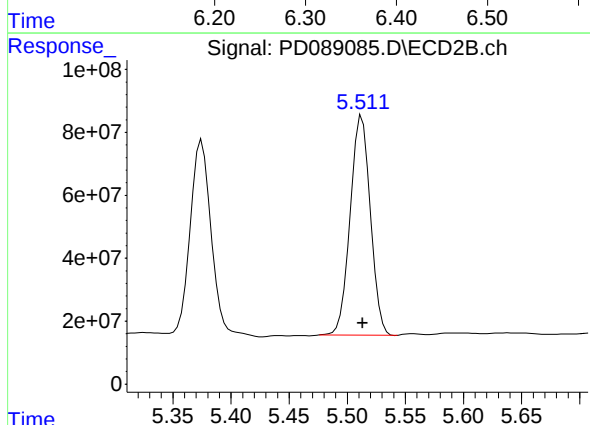
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 184226462
Conc: 38.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

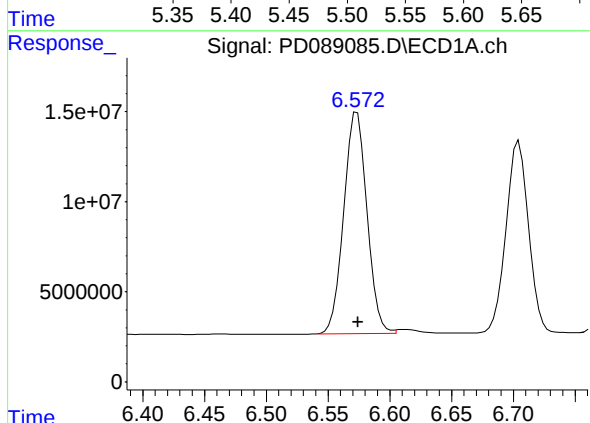
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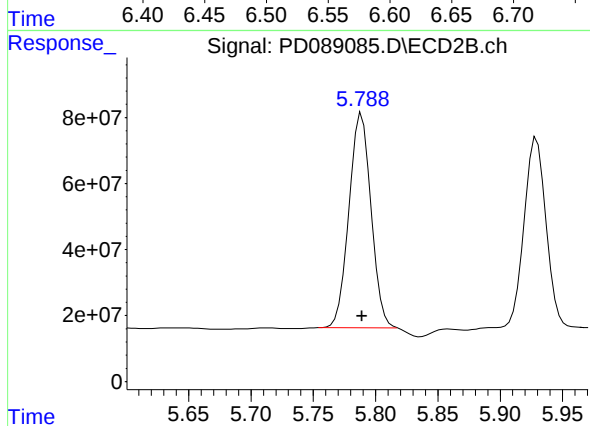
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 841472626
Conc: 36.26 ng/ml



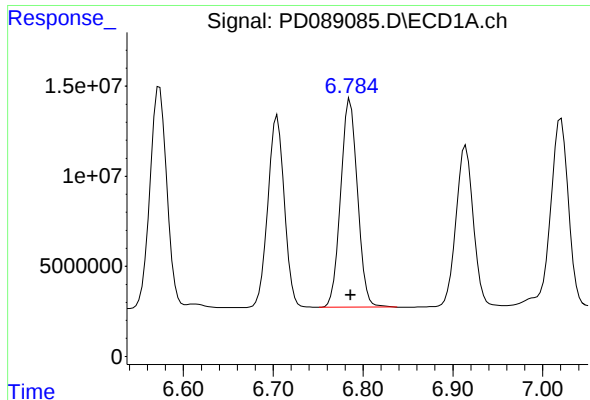
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 161149308
Conc: 39.06 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 801525683
Conc: 36.91 ng/ml m



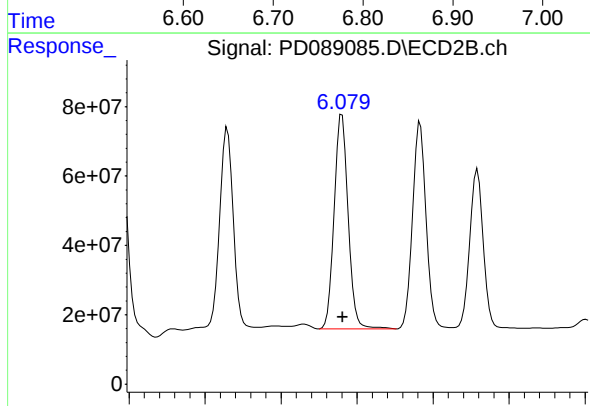
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 150458851
Conc: 37.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

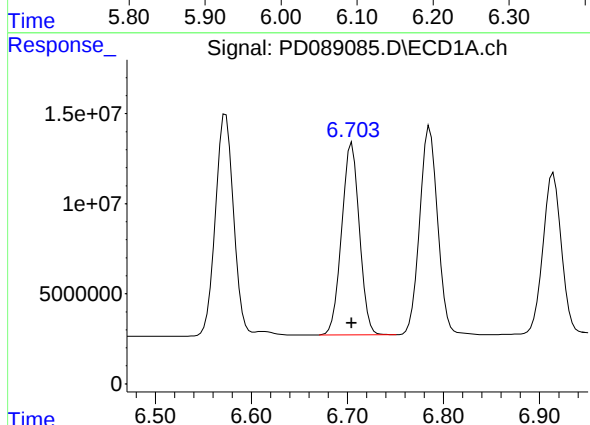
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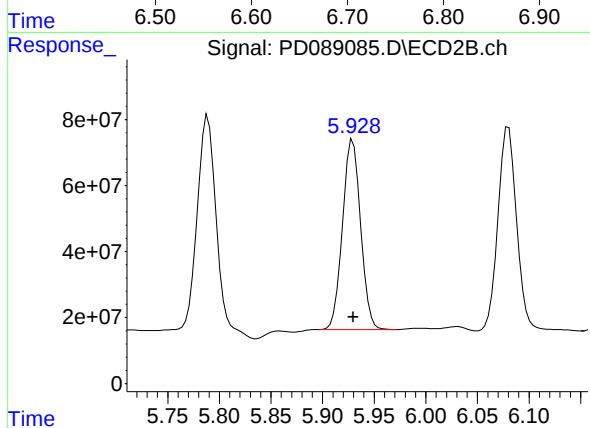
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 785478583
Conc: 38.89 ng/ml



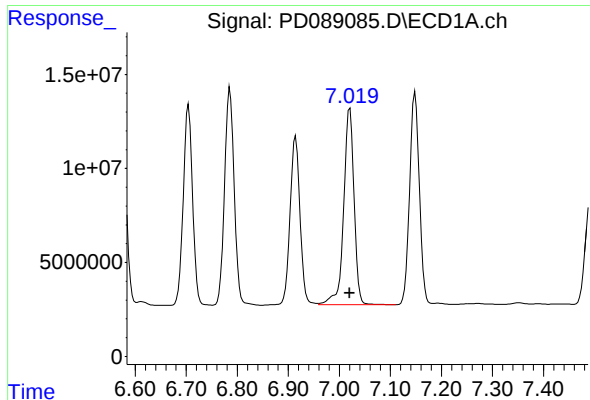
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 135375092
Conc: 39.44 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 703391281
Conc: 36.77 ng/ml



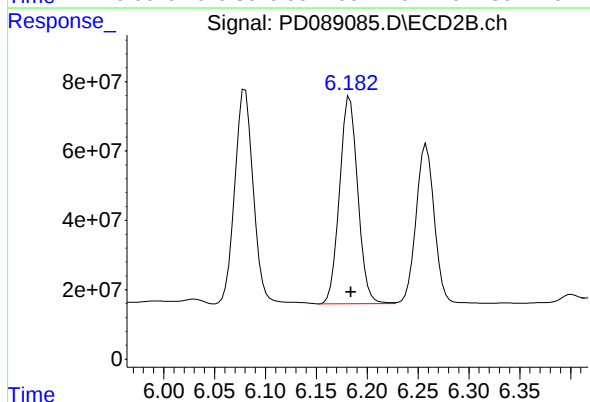
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 148158232
Conc: 39.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

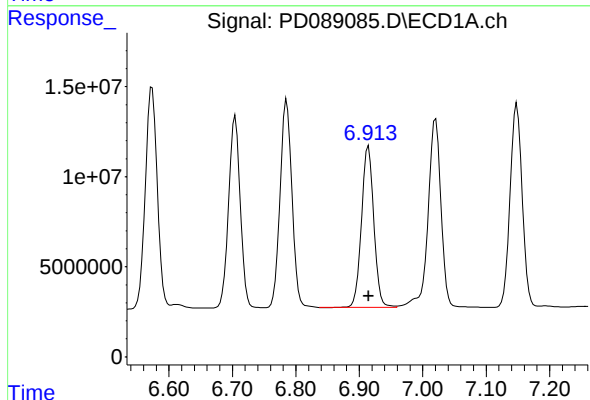
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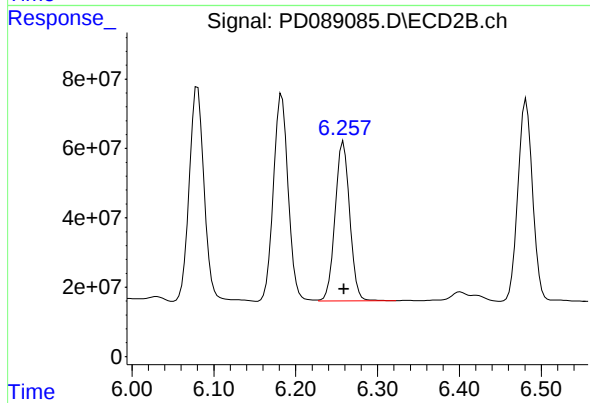
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 744891692
Conc: 36.73 ng/ml



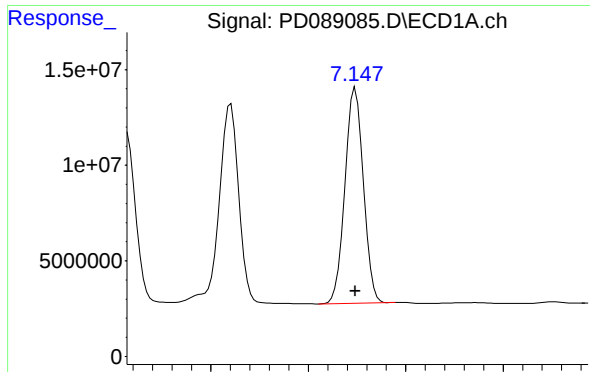
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 120770895
Conc: 39.42 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 571545783
Conc: 37.33 ng/ml



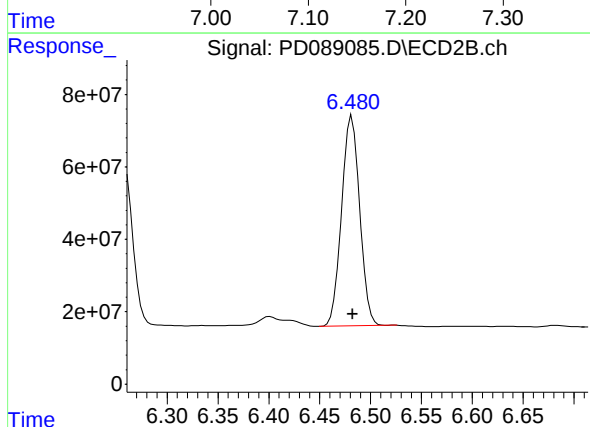
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 147997877
Conc: 38.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

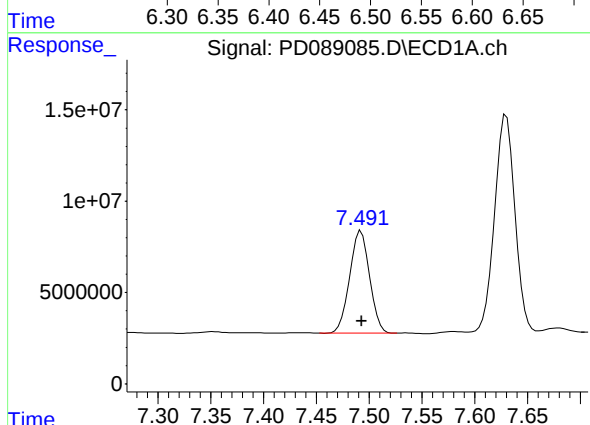
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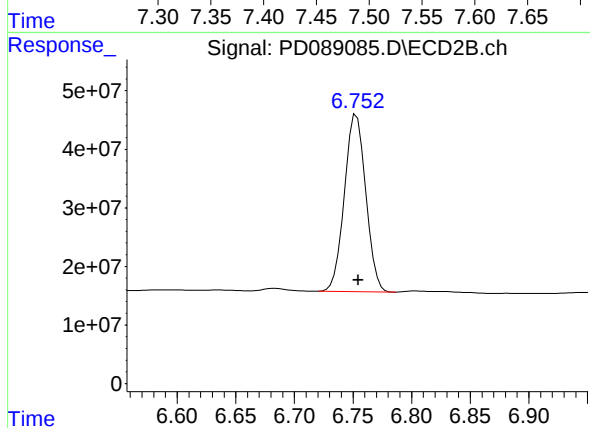
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 718268997
Conc: 36.61 ng/ml



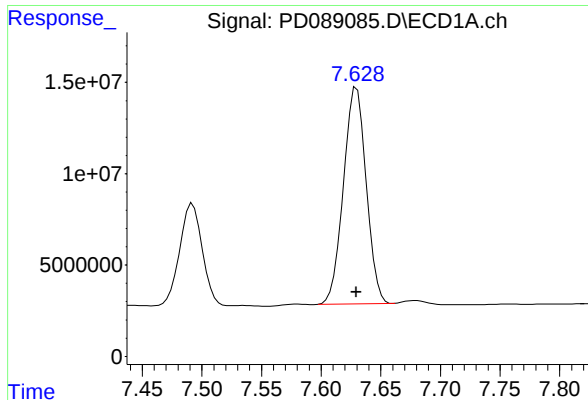
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 73477660
Conc: 36.36 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 384250890
Conc: 35.68 ng/ml



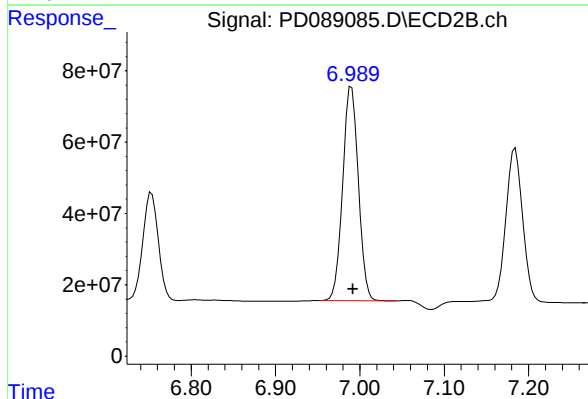
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 157618735
Conc: 38.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

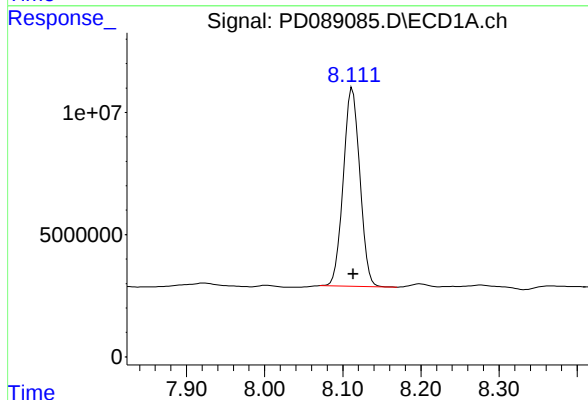
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



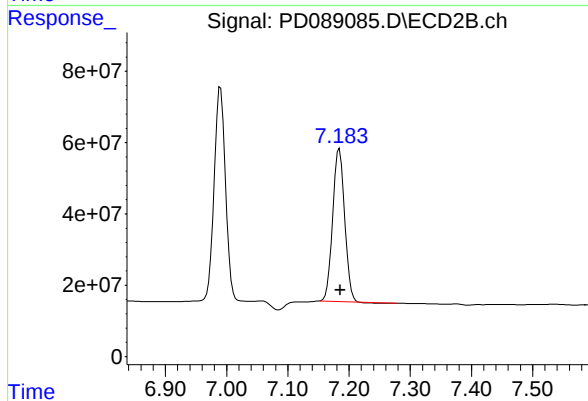
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 775840866
Conc: 35.92 ng/ml



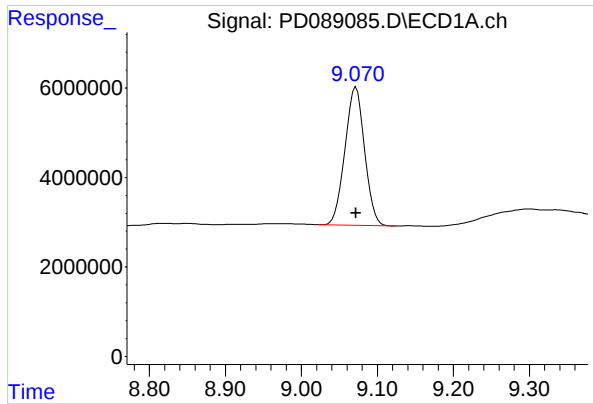
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 119449111
Conc: 39.29 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 580627255
Conc: 34.81 ng/ml



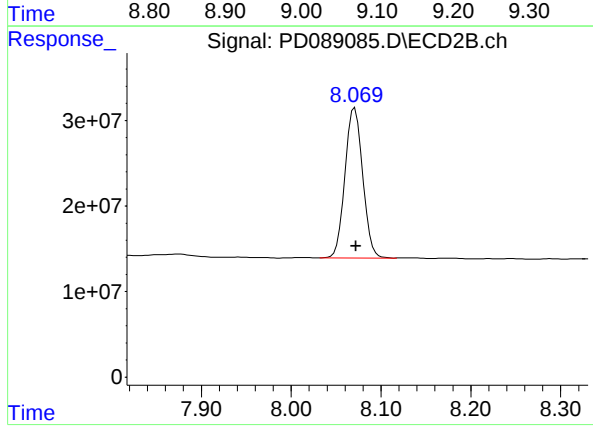
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 55482659
Conc: 14.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 241052945
Conc: 12.19 ng/ml