

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 16:57
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/21/2025
 Supervised By : mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 03:34:47 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 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	123.1E6	850.0E6	56.875	56.189
28)	SA Decachlor...	9.077	8.075	178.1E6	883.4E6	52.045	48.391
Target Compounds							
2)	A alpha-BHC	4.001	3.394	252.8E6	1225.4E6	52.927	51.265
3)	MA gamma-BHC...	4.332	3.731	240.7E6	1125.8E6	52.294	50.791
4)	MA Heptachlor	4.931	4.085	226.5E6	1094.7E6	50.646	48.751
5)	MB Aldrin	5.273	4.370	227.2E6	1123.5E6	51.707	51.233
6)	B beta-BHC	4.517	4.027	91872519	492.3E6	50.951	50.535
7)	B delta-BHC	4.765	4.264	232.1E6	1133.9E6	54.910	50.863
8)	B Heptachlo...	5.693	4.874	202.2E6	982.5E6	50.948	49.445
9)	A Endosulfan I	6.076	5.248	189.0E6	877.4E6	50.217	46.232
10)	B gamma-Chl...	5.948	5.127	203.0E6	1065.5E6	50.897	49.950
11)	B alpha-Chl...	6.029	5.192	202.6E6	1010.6E6	50.577	48.999
12)	B 4,4'-DDE	6.197	5.375	180.3E6	1019.8E6	50.235	48.787m
13)	MA Dieldrin	6.349	5.514	203.4E6	1021.5E6	50.692	48.541
14)	MA Endrin	6.576	5.791	170.9E6	938.2E6	50.035	48.653
15)	B Endosulfa...	6.788	6.082	167.1E6	892.0E6	48.516	48.685
16)	A 4,4'-DDD	6.707	5.932	148.4E6	876.0E6	53.276	50.370
17)	MA 4,4'-DDT	7.022	6.185	128.6E6	790.3E6	41.180m	43.574
18)	B Endrin al...	6.917	6.260	120.2E6	644.6E6	46.695	46.281
19)	B Endosulfa...	7.151	6.484	159.7E6	835.5E6	49.860	47.054
20)	A Methoxychlor	7.495	6.756	70050133	426.4E6	41.932	44.530
21)	B Endrin ke...	7.633	6.993	167.8E6	913.4E6	49.033	47.213
22)	Mirex	8.116	7.187	120.4E6	699.9E6	46.341	46.038

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

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Data File : PD088658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 16:57
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Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

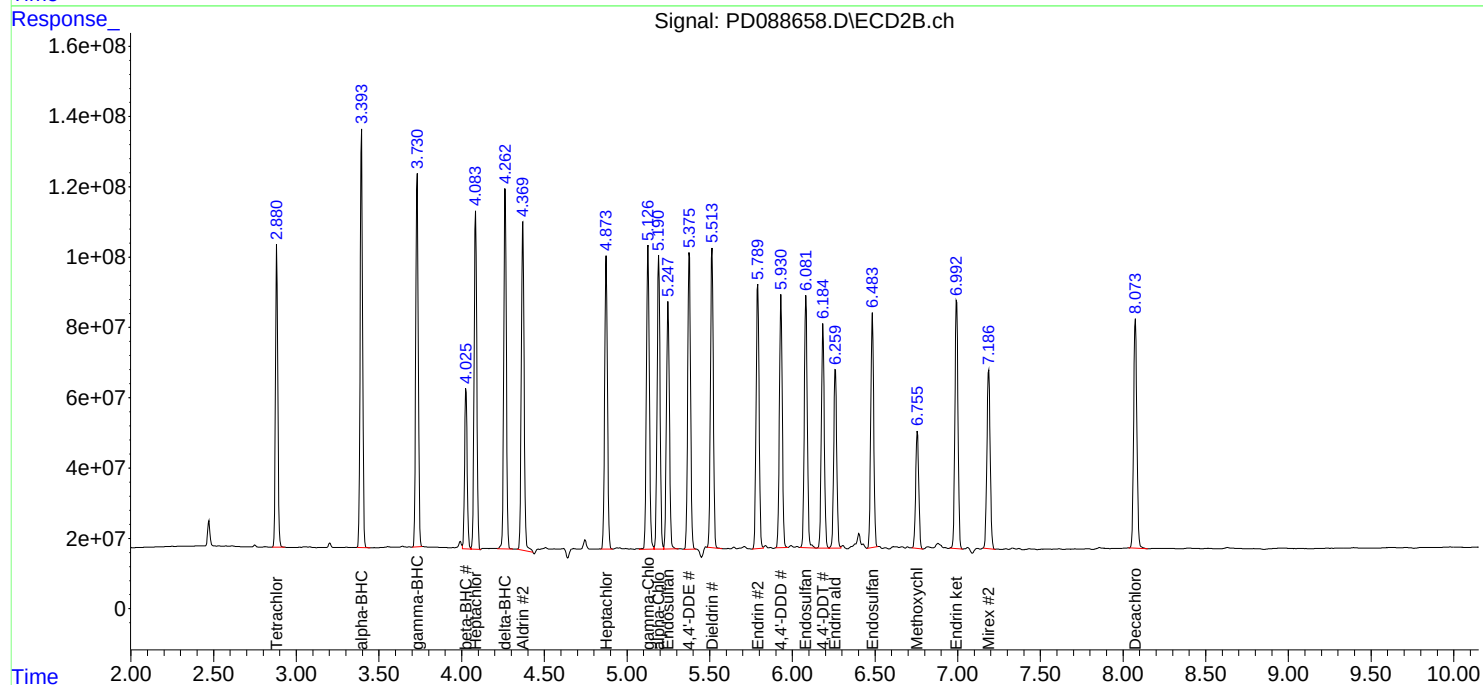
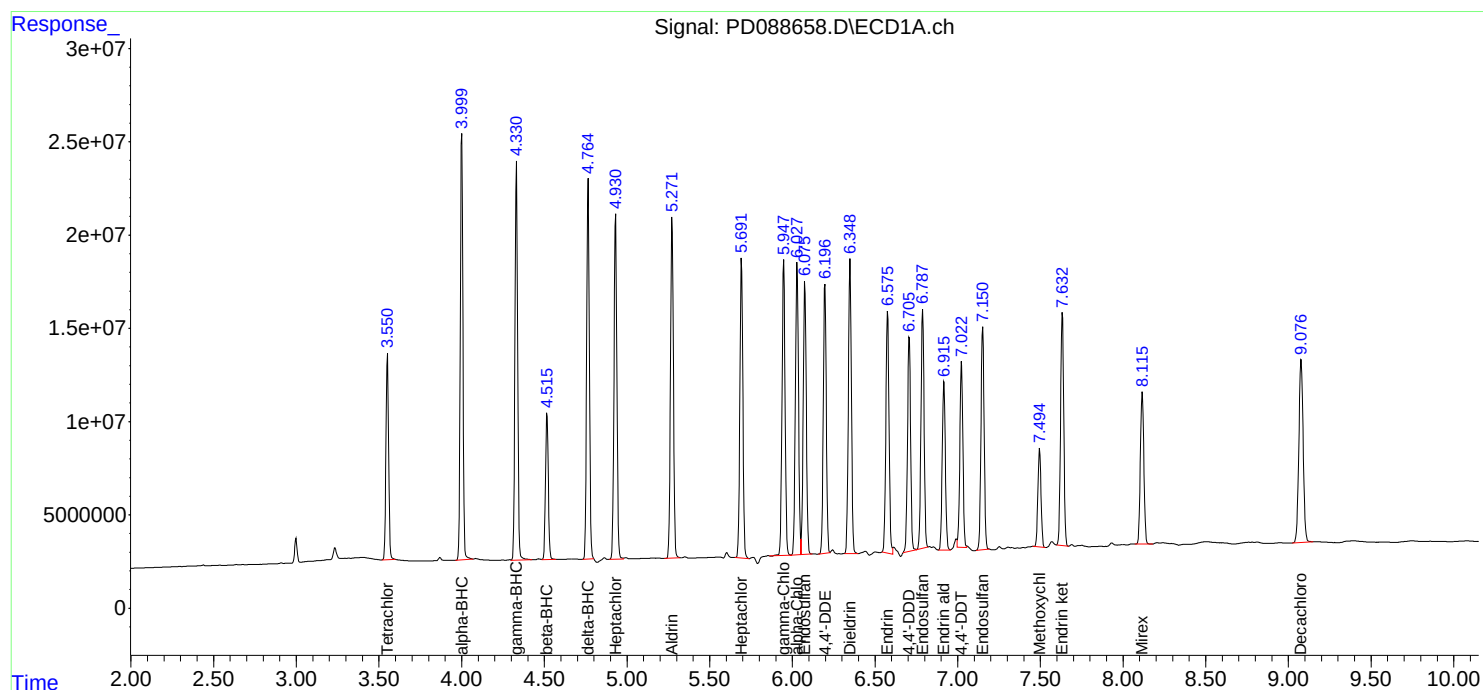
APPROVED

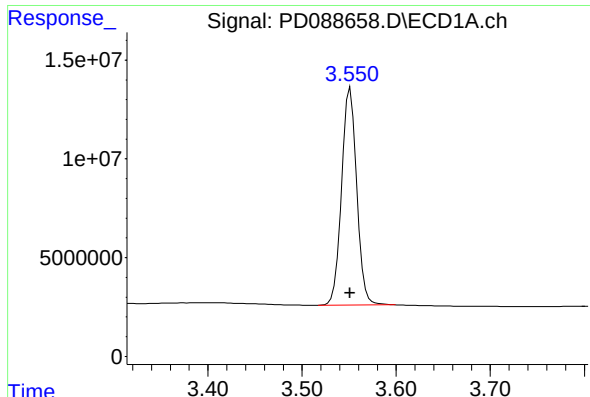
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:34:47 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
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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





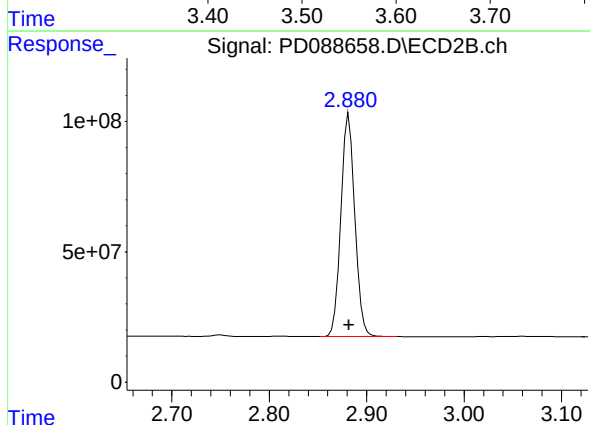
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 123062996
Conc: 56.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

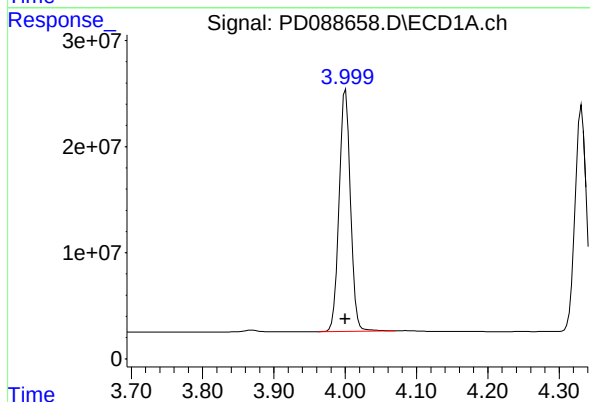
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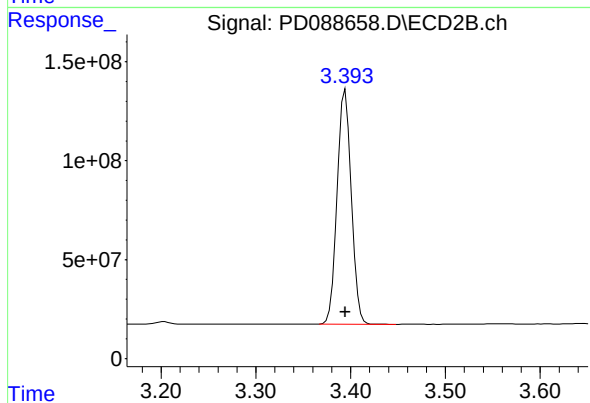
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 849964414
Conc: 56.19 ng/ml



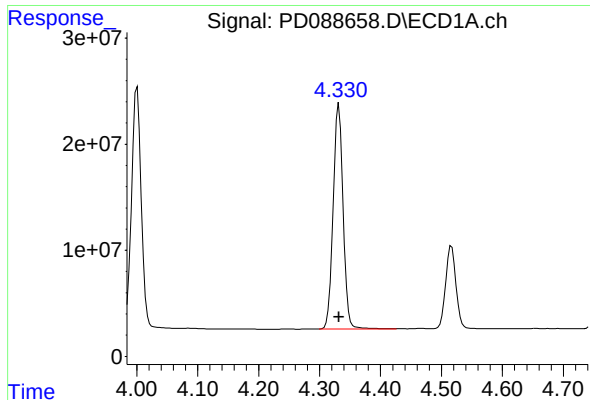
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 252811575
Conc: 52.93 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1225431487
Conc: 51.27 ng/ml



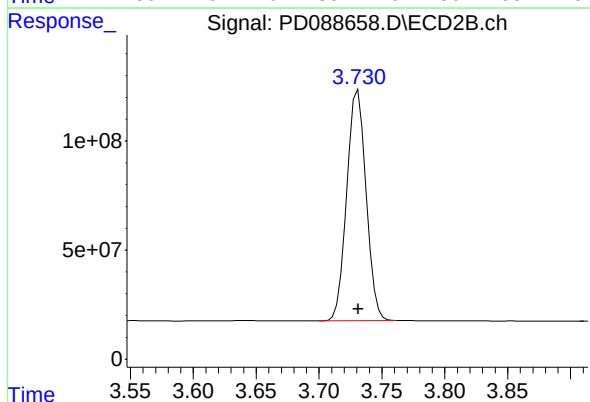
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 240693246
Conc: 52.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

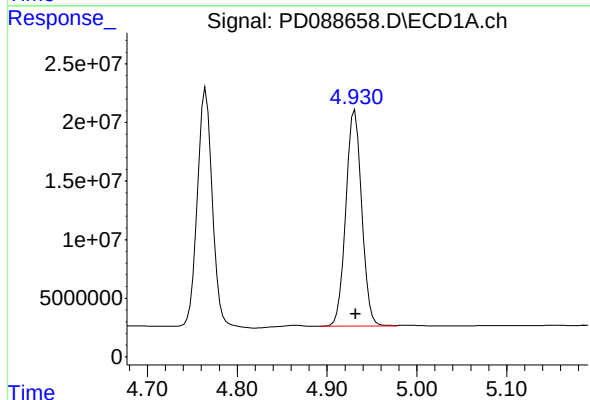
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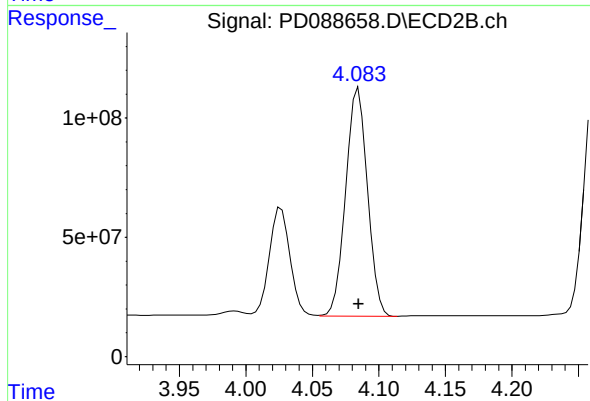
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1125812730
Conc: 50.79 ng/ml



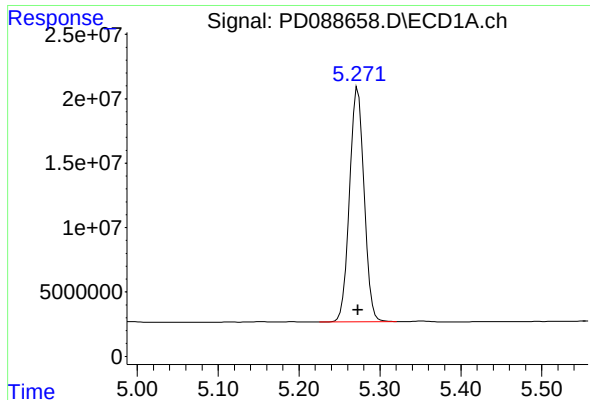
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 226450001
Conc: 50.65 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1094706295
Conc: 48.75 ng/ml



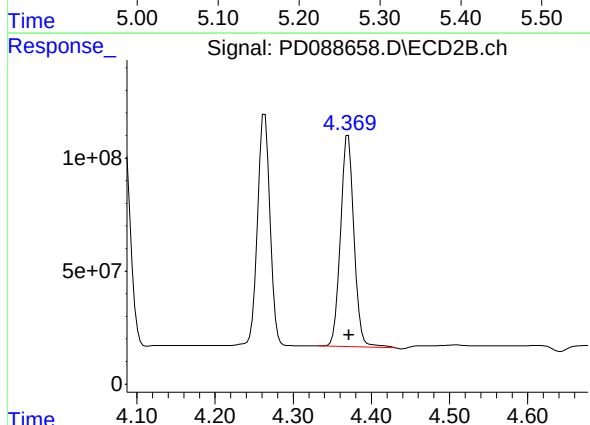
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 227228355
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

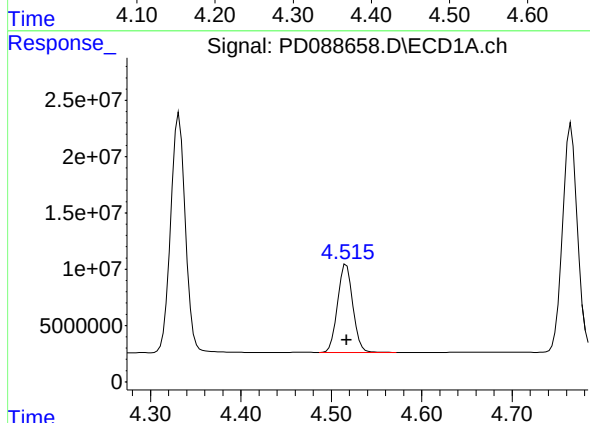
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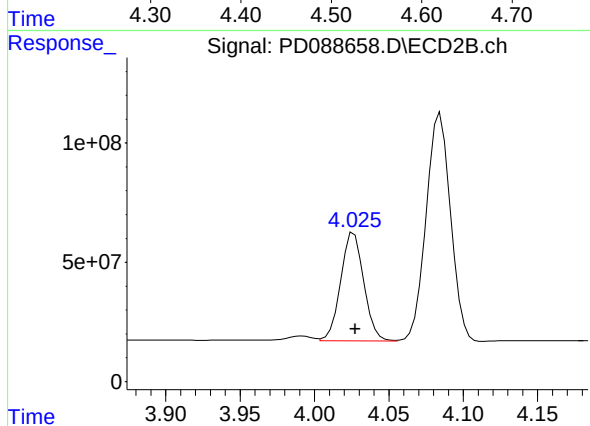
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 1123542698
Conc: 51.23 ng/ml



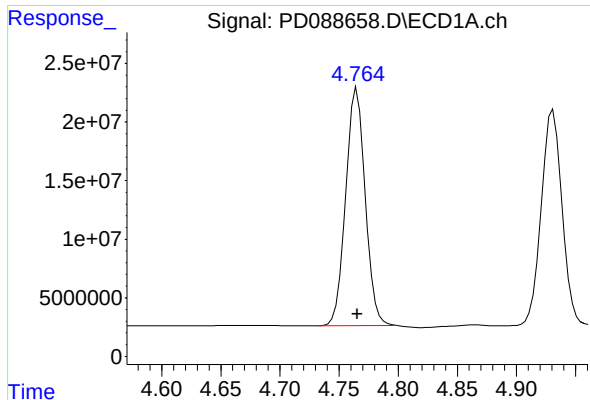
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 91872519
Conc: 50.95 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 492303877
Conc: 50.53 ng/ml



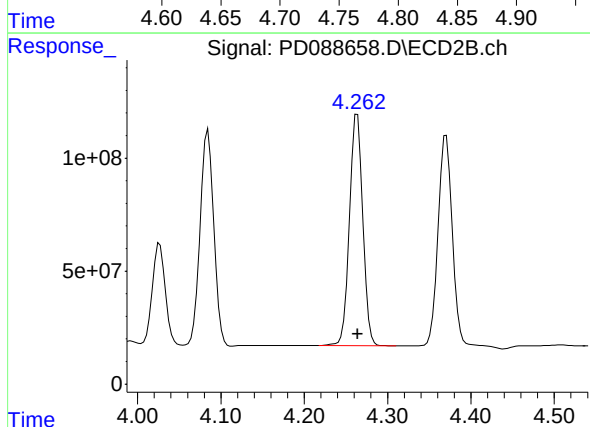
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 232056917
Conc: 54.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

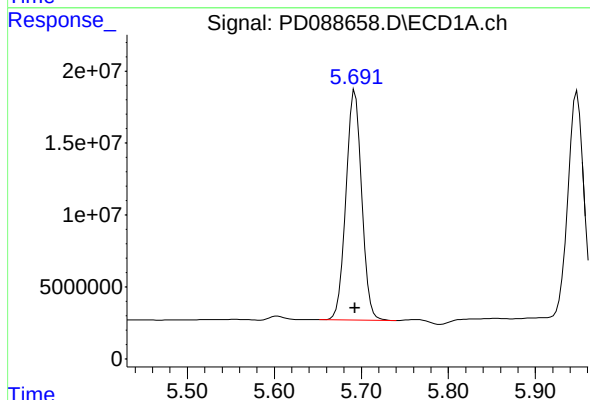
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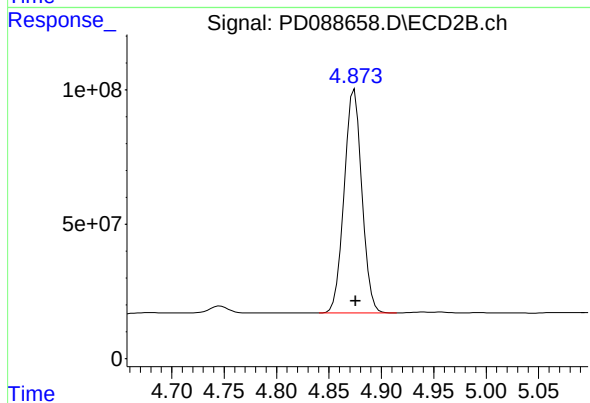
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1133936831
Conc: 50.86 ng/ml



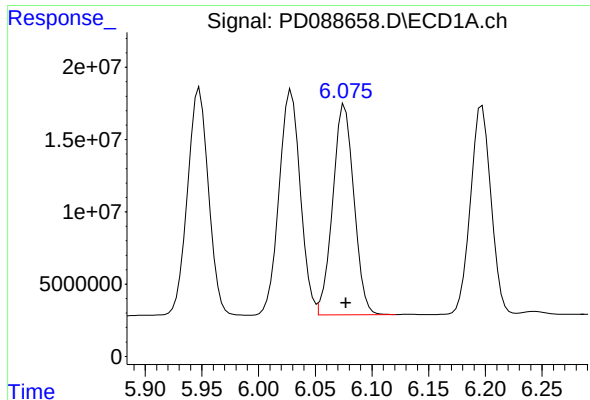
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 202226417
Conc: 50.95 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 982540263
Conc: 49.45 ng/ml



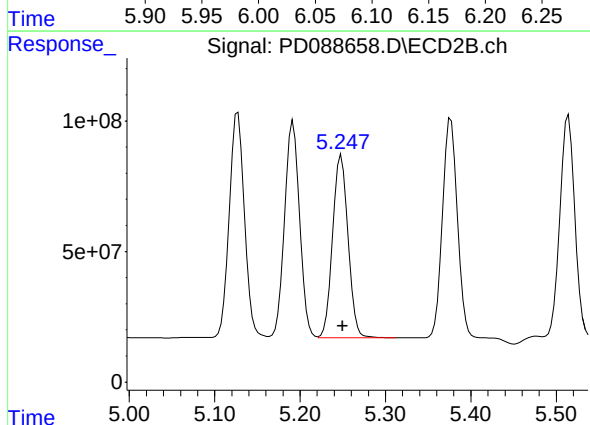
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 188960896
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

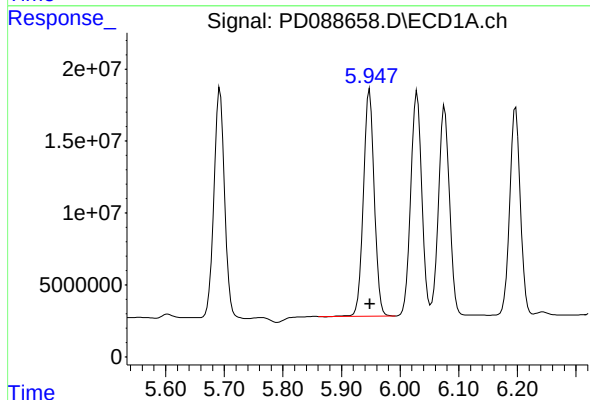
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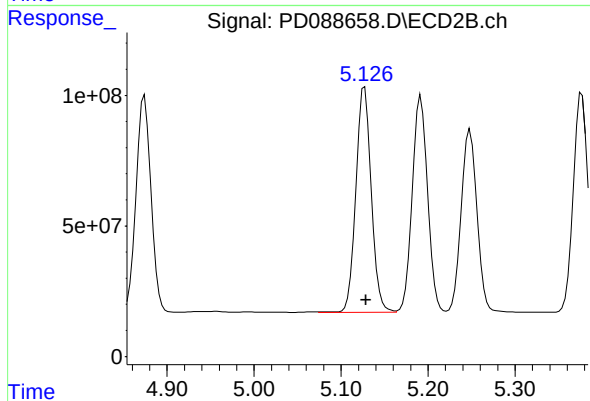
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 877417472
Conc: 46.23 ng/ml



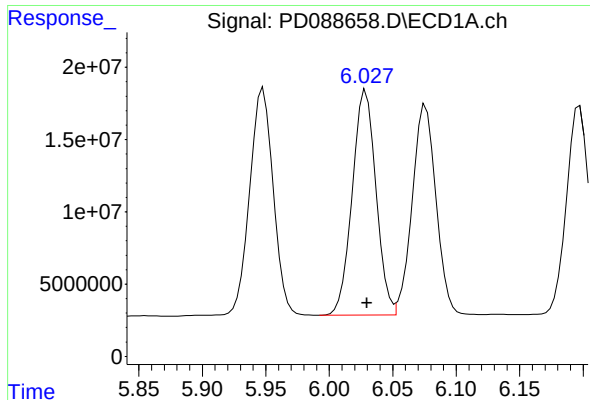
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 203027261
Conc: 50.90 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 1065540099
Conc: 49.95 ng/ml



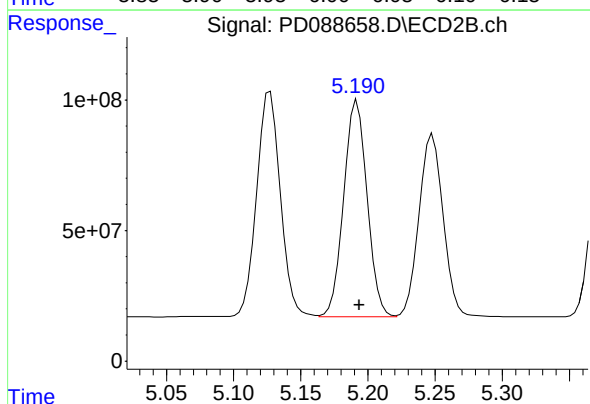
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 202627139
Conc: 50.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

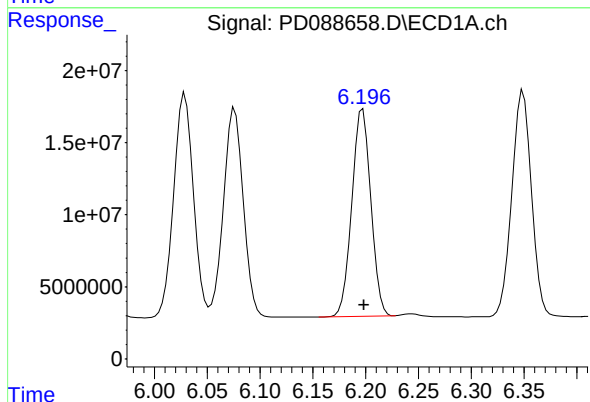
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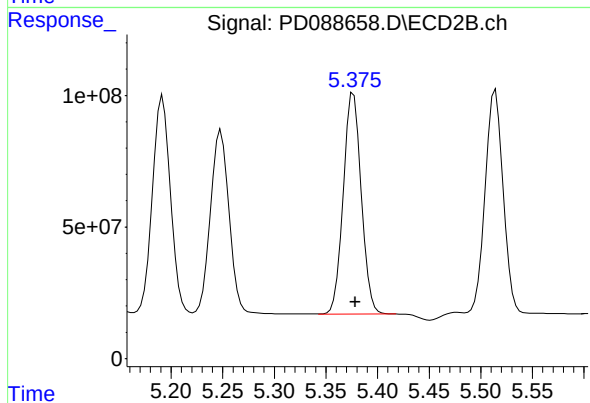
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 1010594559
Conc: 49.00 ng/ml



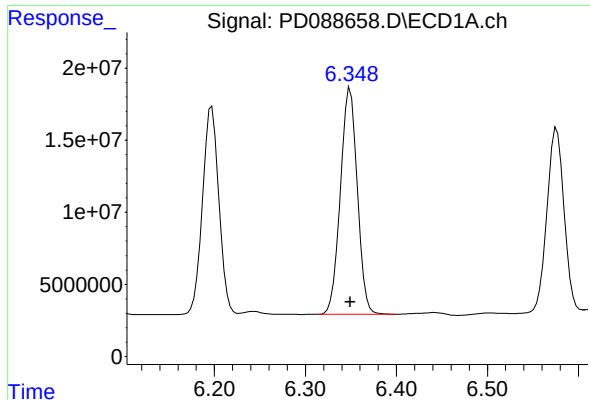
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 180311018
Conc: 50.23 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 1019786966
Conc: 48.79 ng/ml m



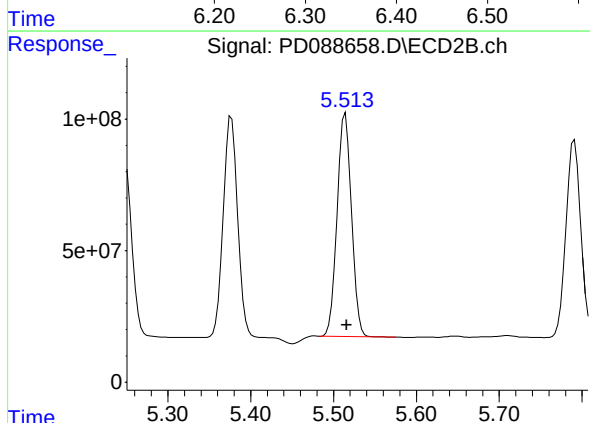
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 203362849
Conc: 50.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

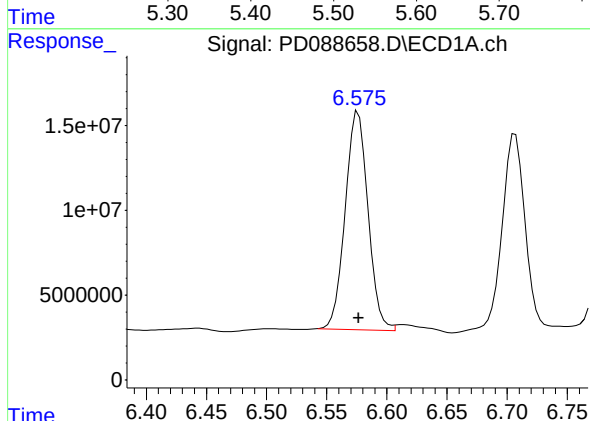
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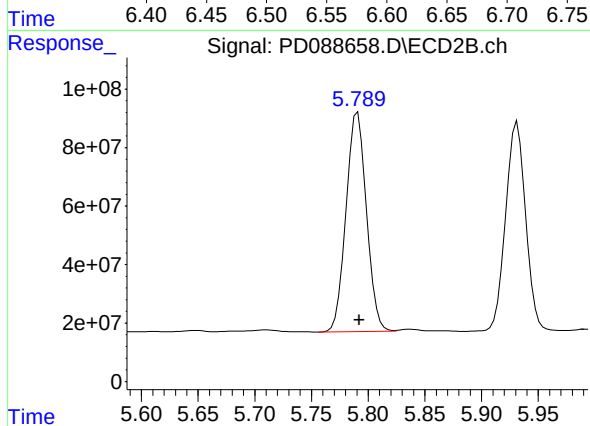
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 1021482628
Conc: 48.54 ng/ml



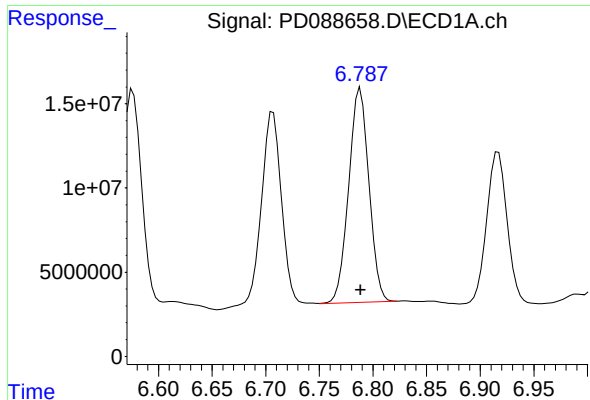
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 170876820
Conc: 50.03 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 938221056
Conc: 48.65 ng/ml



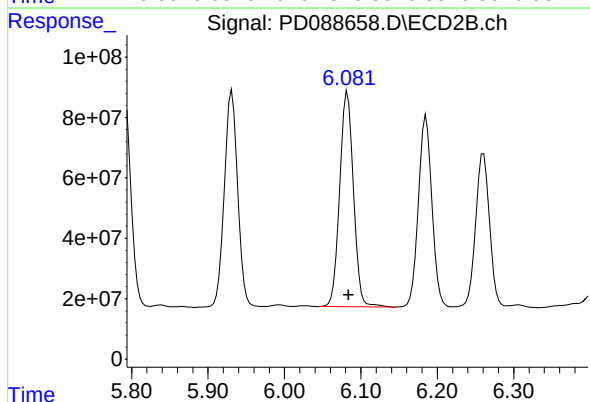
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 167069937
Conc: 48.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

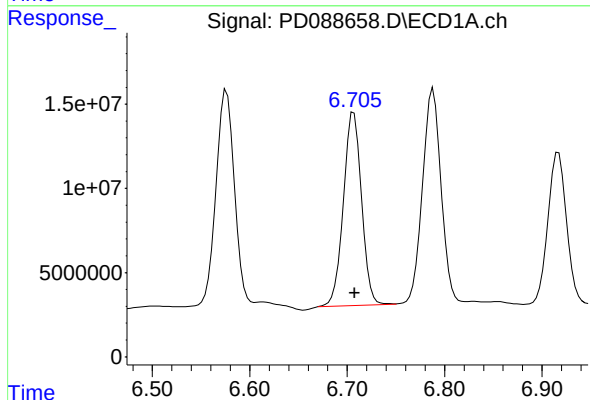
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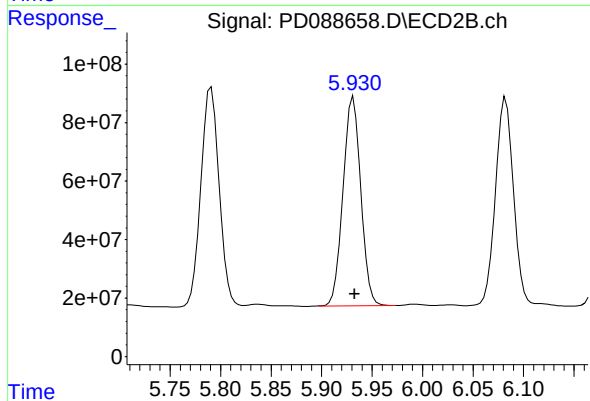
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.001 min
Response: 891998291
Conc: 48.69 ng/ml



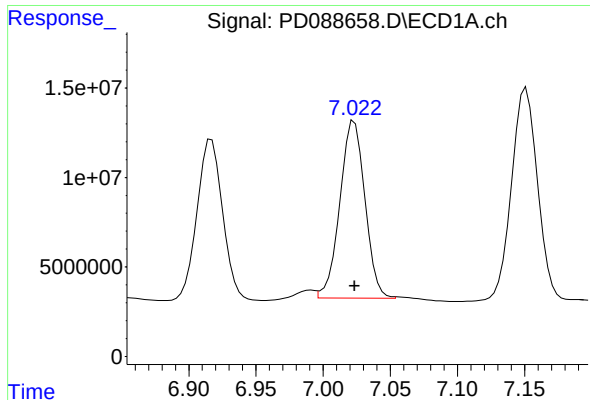
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 148379603
Conc: 53.28 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.001 min
Response: 876042232
Conc: 50.37 ng/ml



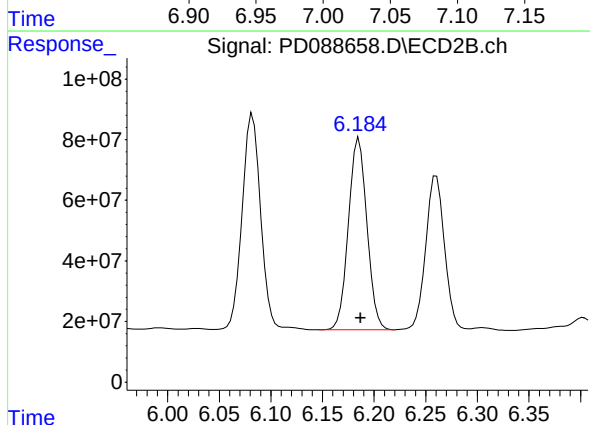
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 128564285
Conc: 41.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

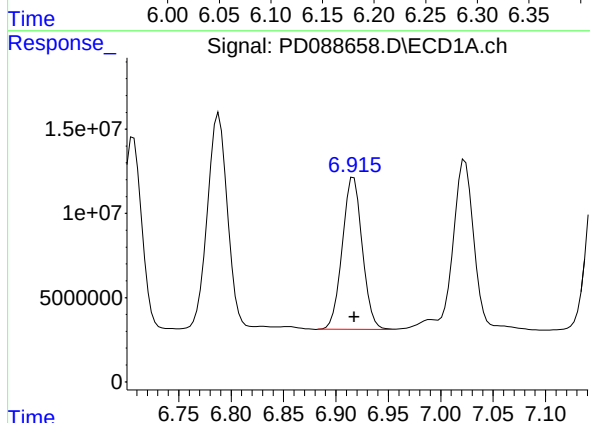
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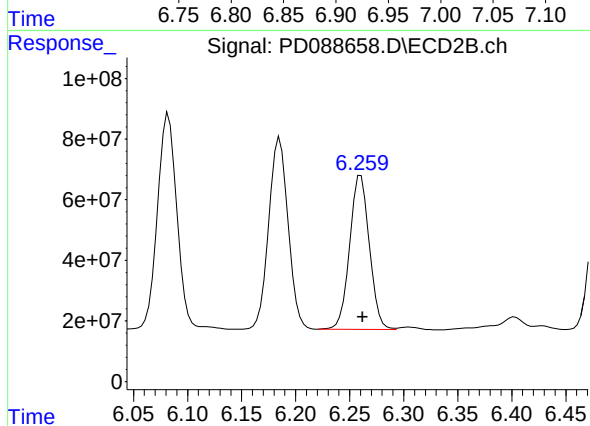
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 790314583
Conc: 43.57 ng/ml



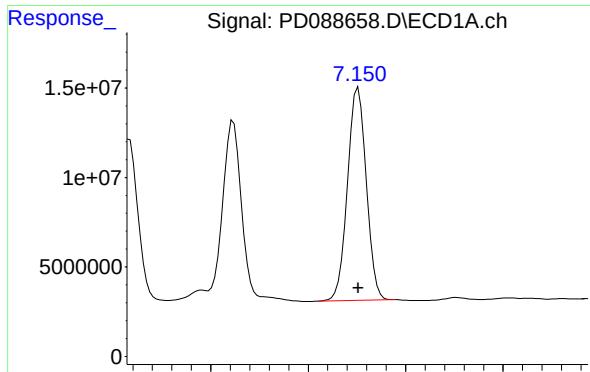
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 120221777
Conc: 46.70 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 644636824
Conc: 46.28 ng/ml



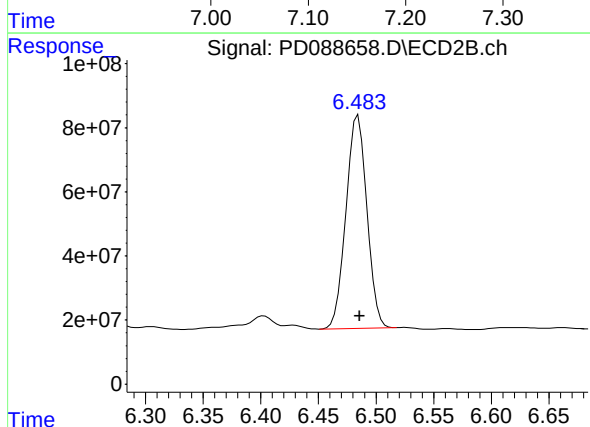
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 159705774
Conc: 49.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

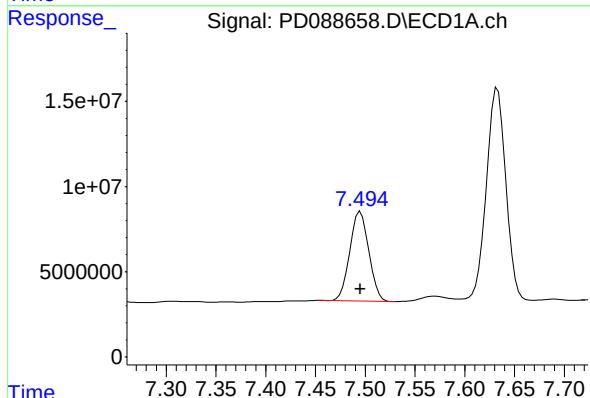
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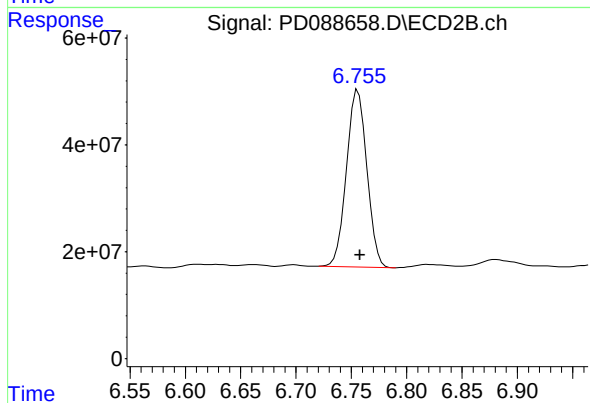
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.001 min
Response: 835485161
Conc: 47.05 ng/ml



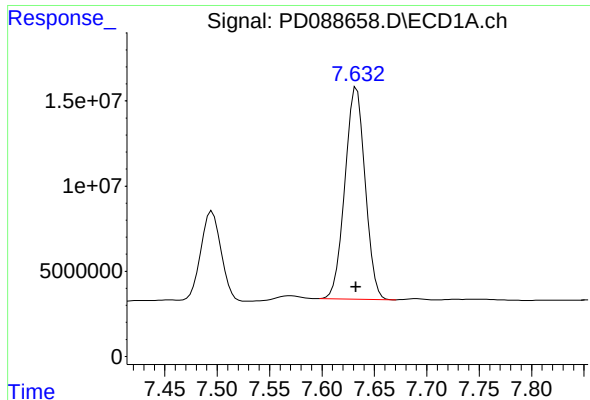
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 70050133
Conc: 41.93 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 426366366
Conc: 44.53 ng/ml



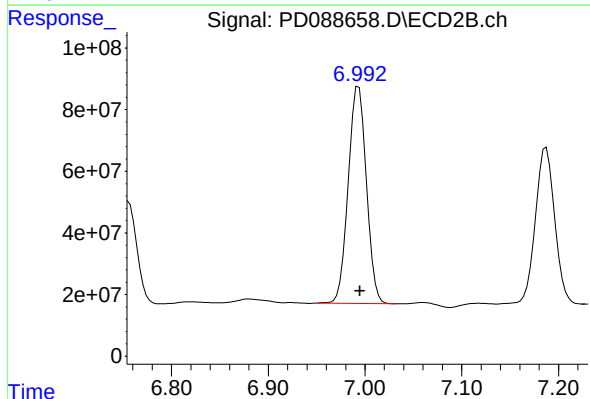
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 167846239
Conc: 49.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

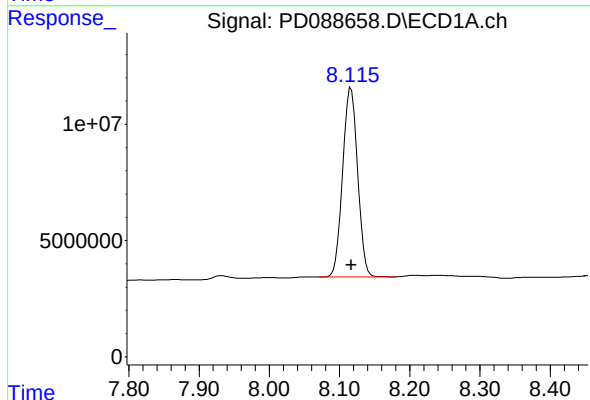
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



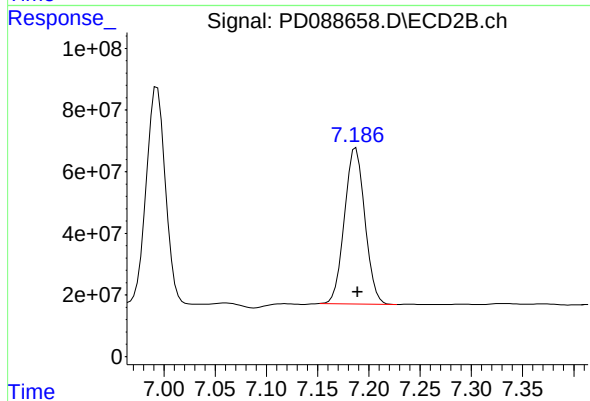
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.001 min
Response: 913442446
Conc: 47.21 ng/ml



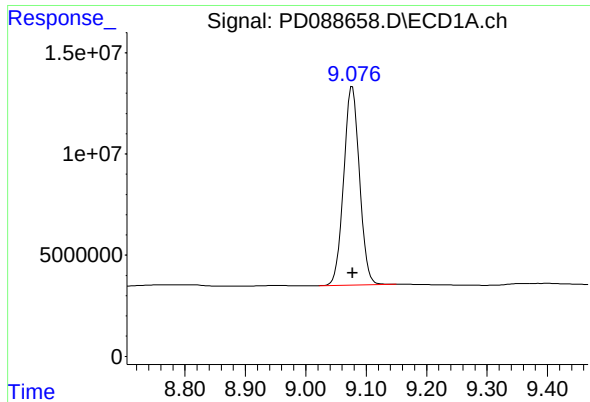
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 120405637
Conc: 46.34 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 699882102
Conc: 46.04 ng/ml



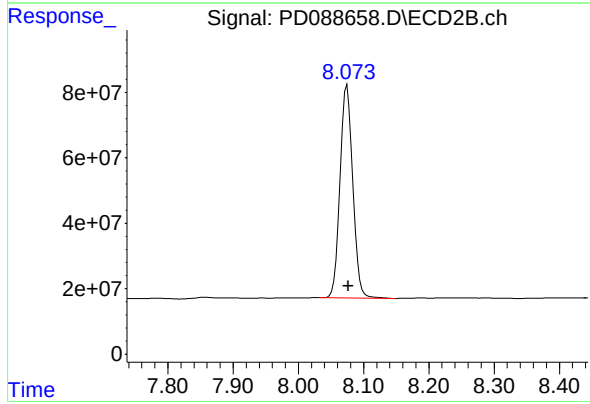
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 178113888
Conc: 52.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 883432479
Conc: 48.39 ng/ml