

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088655.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 16:16
 Operator : AR\AJ
 Sample : PB168082BSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168082BSD

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 03:34:14 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...	3.557	2.882	50327843	374.3E6	23.260	24.746
28)	SA Decachlor...	9.085	8.077	82269127	390.6E6	24.039	21.396
Target Compounds							
2)	A alpha-BHC	4.007	3.394	262.0E6	1304.7E6	54.844	54.583
3)	MA gamma-BHC...	4.338	3.731	253.8E6	1211.5E6	55.138	54.658
4)	MA Heptachlor	4.938	4.085	240.6E6	1169.1E6	53.808	52.063
5)	MB Aldrin	5.279	4.371	241.7E6	1201.0E6	55.000	54.767
6)	B beta-BHC	4.523	4.027	94446176	523.2E6	52.378	53.710
7)	B delta-BHC	4.772	4.263	226.9E6	1150.2E6	53.678	51.592
8)	B Heptachlo...	5.699	4.875	212.2E6	1062.8E6	53.459	53.485
9)	A Endosulfan I	6.083	5.249	203.4E6	970.3E6	54.058	51.127
10)	B gamma-Chl...	5.954	5.128	217.0E6	1141.8E6	54.402	53.524
11)	B alpha-Chl...	6.036	5.193	216.4E6	1091.4E6	54.016	52.916
12)	B 4,4'-DDE	6.204	5.376	195.4E6	1099.5E6	54.436	52.599m
13)	MA Dieldrin	6.356	5.516	219.2E6	1112.5E6	54.637	52.865
14)	MA Endrin	6.583	5.792	182.9E6	999.3E6	53.550	51.822
15)	B Endosulfa...	6.794	6.083	182.6E6	936.3E6	53.035	51.102
16)	A 4,4'-DDD	6.713	5.933	164.8E6	947.3E6	59.166	54.466
17)	MA 4,4'-DDT	7.028	6.186	137.6E6	803.5E6	44.072m	44.303
18)	B Endrin al...	6.924	6.262	131.2E6	675.6E6	50.959	48.505
19)	B Endosulfa...	7.158	6.486	164.7E6	877.6E6	51.409	49.428
20)	A Methoxychlor	7.502	6.758	75750489	419.3E6	45.345	43.797
21)	B Endrin ke...	7.639	6.995	180.1E6	963.1E6	52.626	49.781
22)	Mirex	8.122	7.189	129.0E6	715.0E6	49.665	47.031

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

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Data File : PD088655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 16:16
Operator : AR\AJ
Sample : PB168082BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

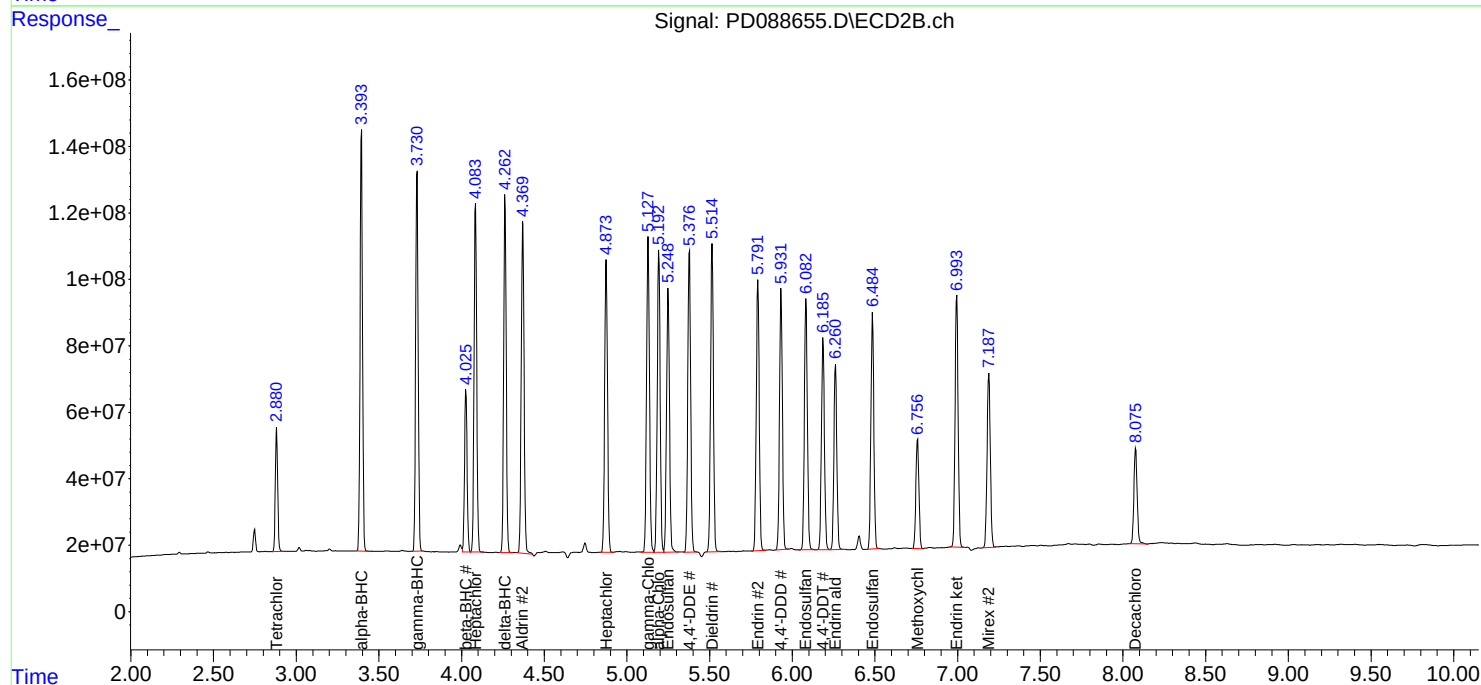
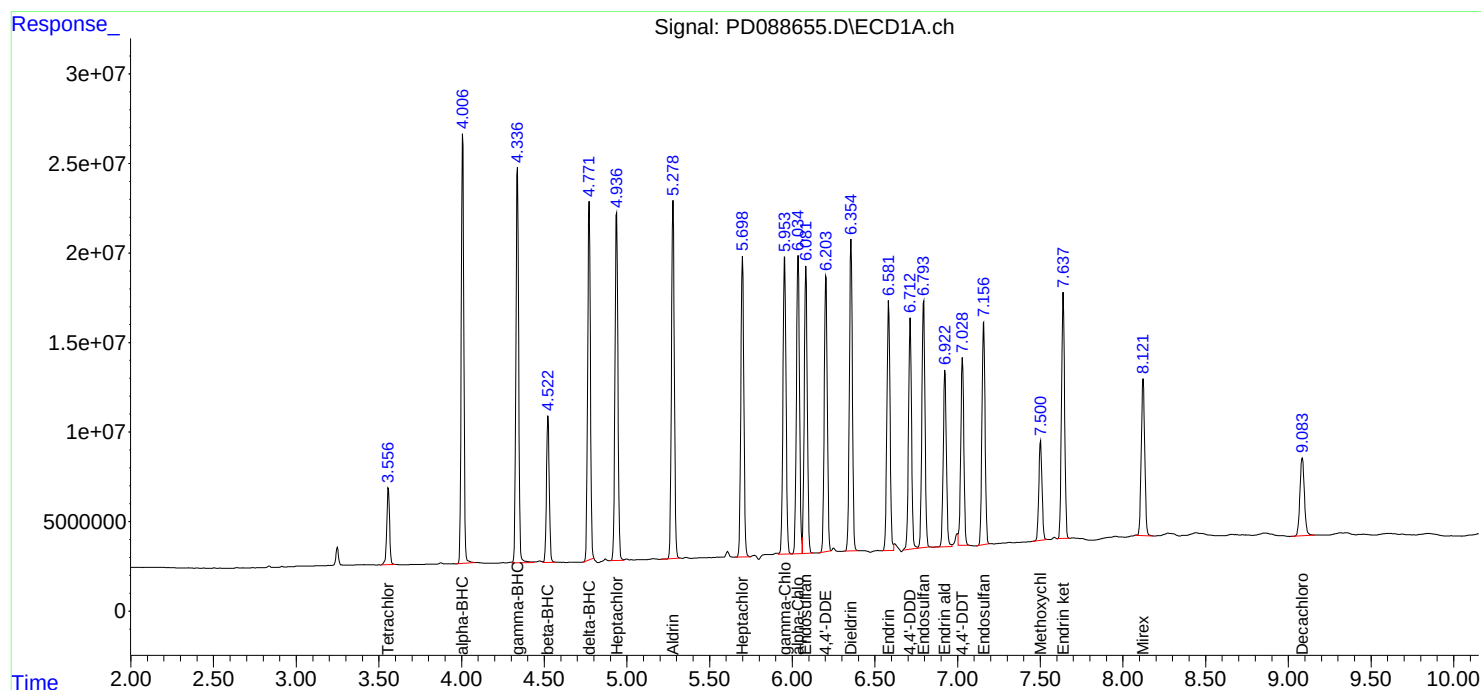
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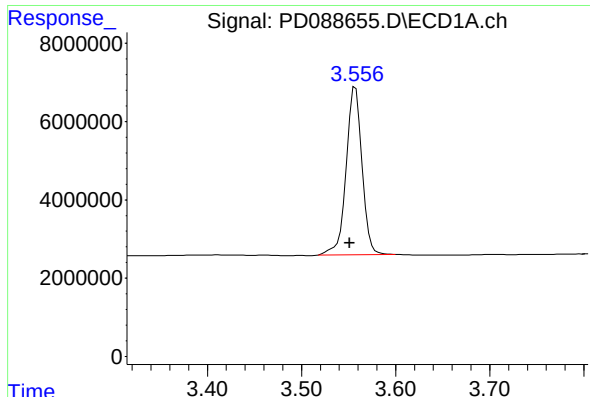
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:34:14 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





#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.006 min
Response: 50327843
Conc: 23.26 ng/ml

Instrument :

ECD_D

ClientSampleId :

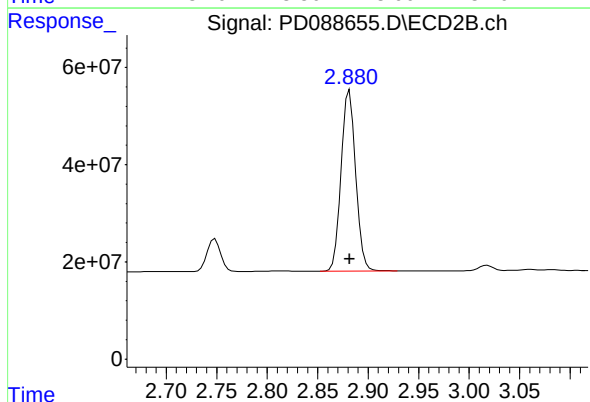
PB168082BSD

Manual Integrations

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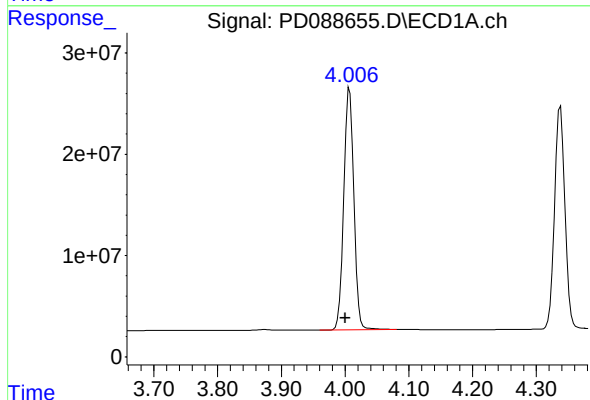
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025



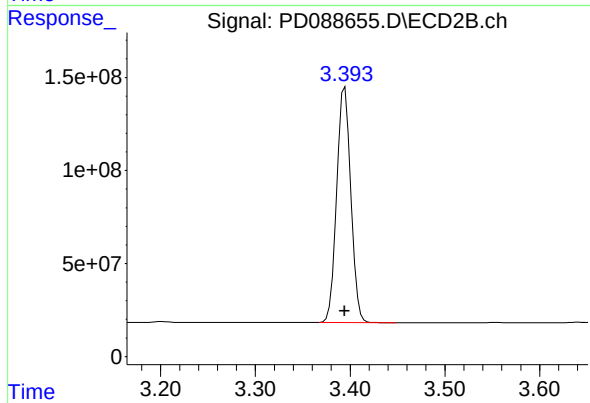
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 374333132
Conc: 24.75 ng/ml



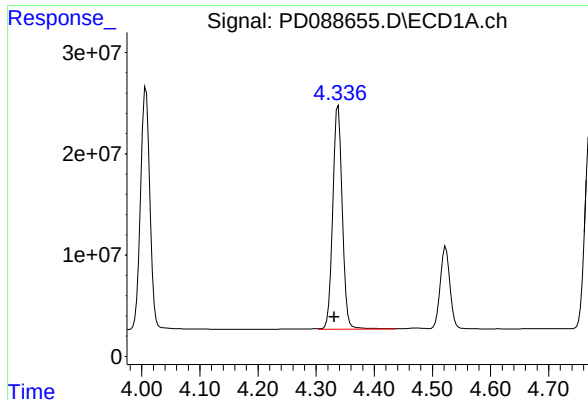
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.007 min
Response: 261964608
Conc: 54.84 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1304745720
Conc: 54.58 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.006 min
Response: 253783632
Conc: 55.14 ng/ml

Instrument :

ECD_D

ClientSampleId :

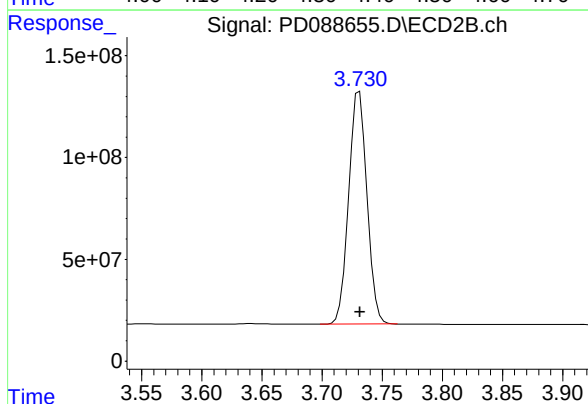
PB168082BSD

Manual Integrations

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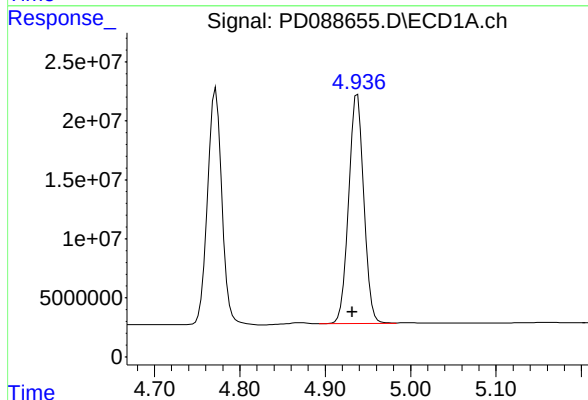
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025



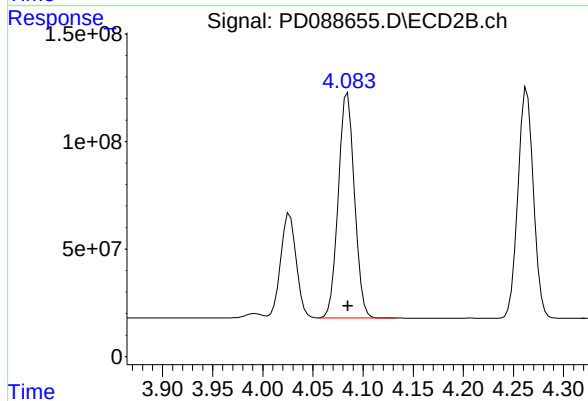
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1211527360
Conc: 54.66 ng/ml



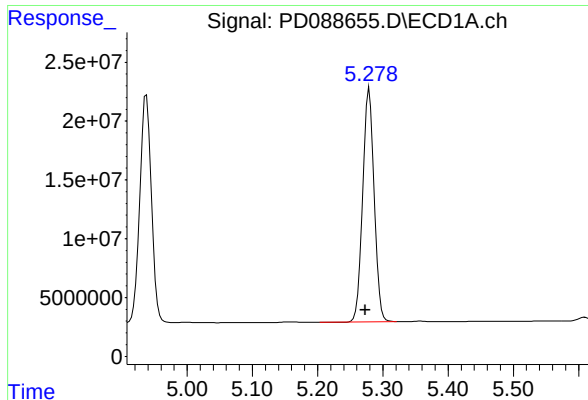
#4 Heptachlor

R.T.: 4.938 min
Delta R.T.: 0.006 min
Response: 240589502
Conc: 53.81 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1169058452
Conc: 52.06 ng/ml



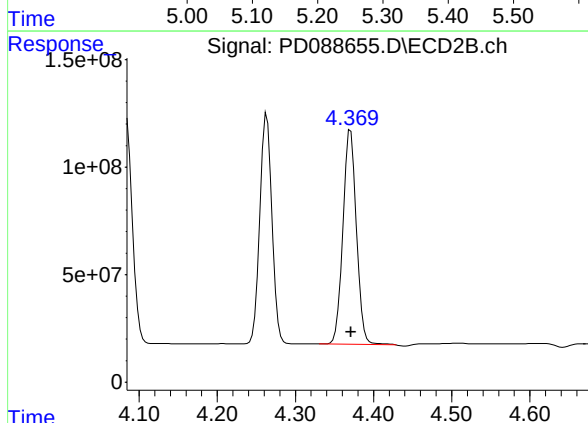
#5 Aldrin

R.T.: 5.279 min
Delta R.T.: 0.006 min
Response: 241698899
Conc: 55.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

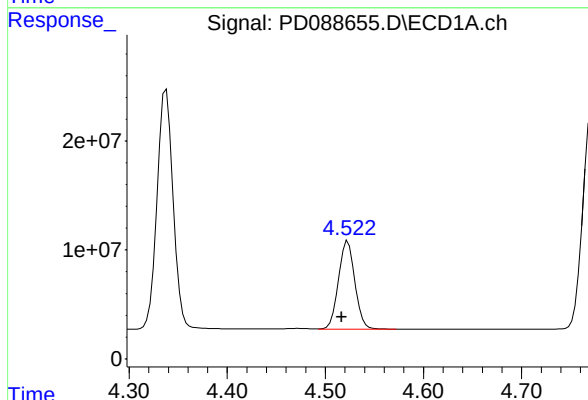
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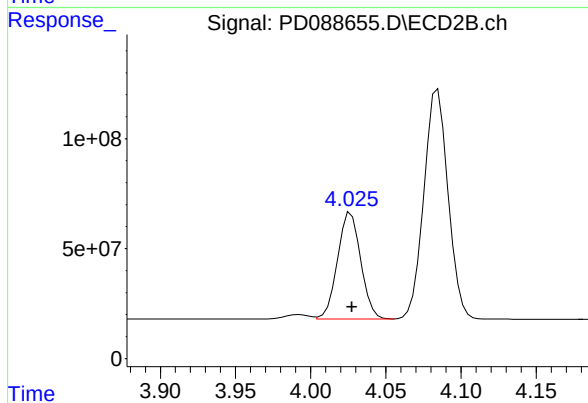
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 1201043101
Conc: 54.77 ng/ml



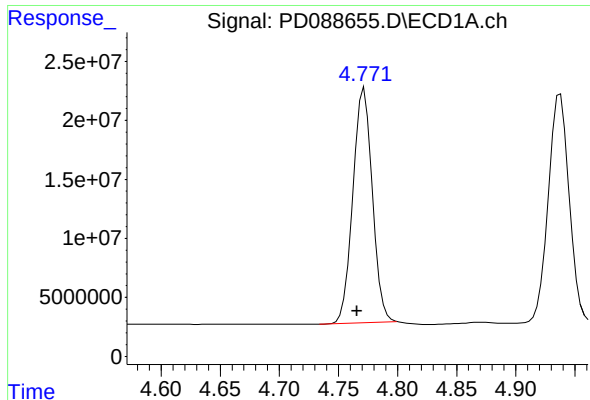
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.006 min
Response: 94446176
Conc: 52.38 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 523238805
Conc: 53.71 ng/ml



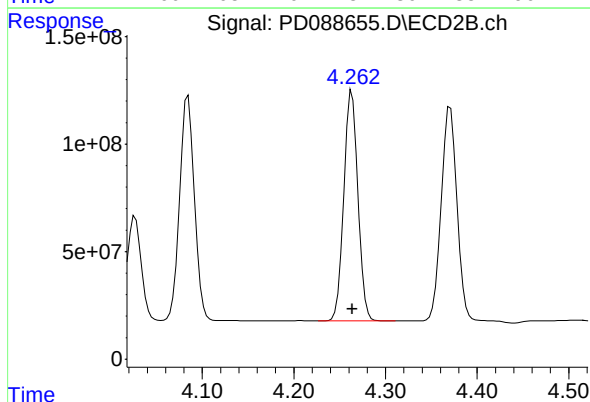
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.006 min
Response: 226852703
Conc: 53.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

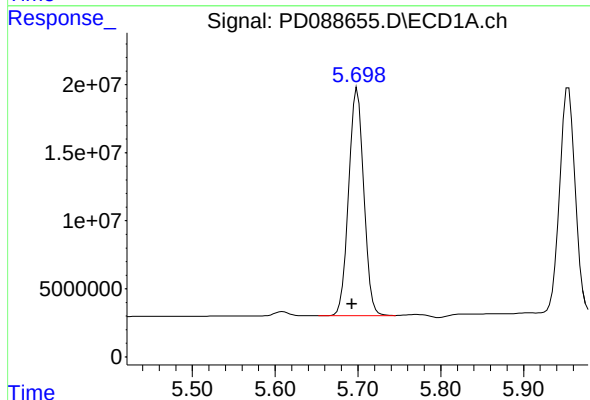
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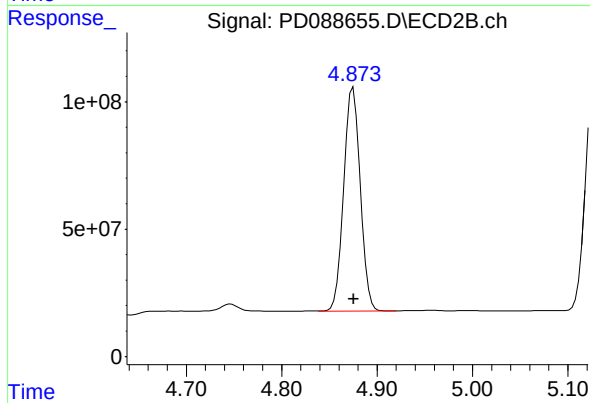
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1150192966
Conc: 51.59 ng/ml



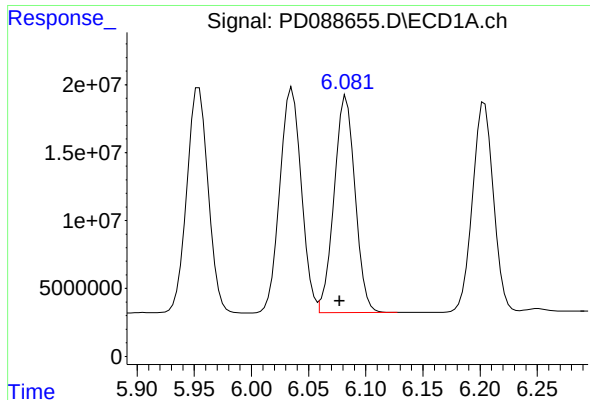
#8 Heptachlor epoxide

R.T.: 5.699 min
Delta R.T.: 0.006 min
Response: 212194628
Conc: 53.46 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 1062808097
Conc: 53.48 ng/ml



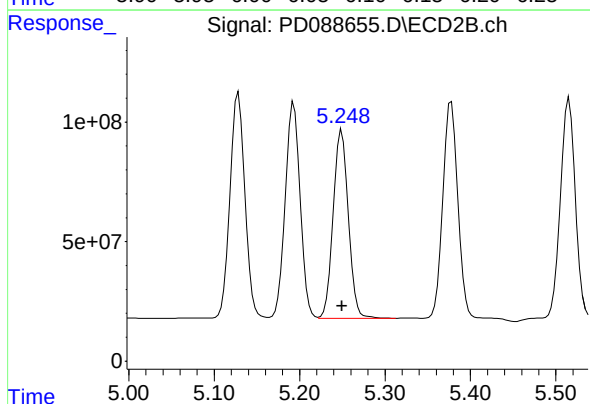
#9 Endosulfan I

R.T.: 6.083 min
Delta R.T.: 0.006 min
Response: 203417554
Conc: 54.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

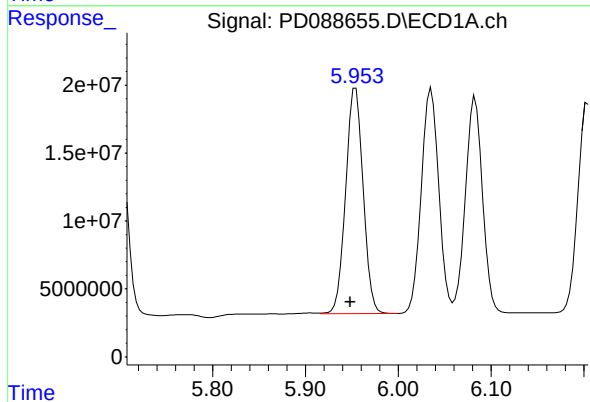
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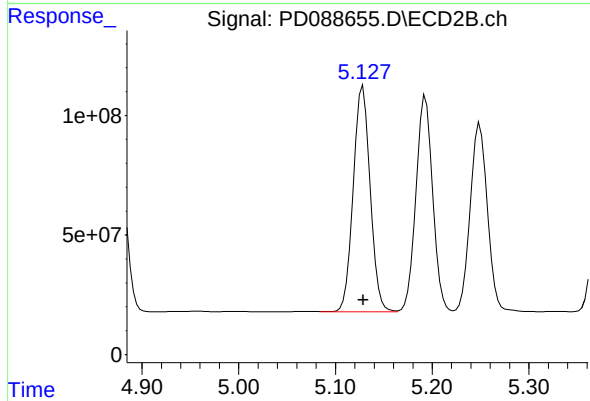
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 970318547
Conc: 51.13 ng/ml



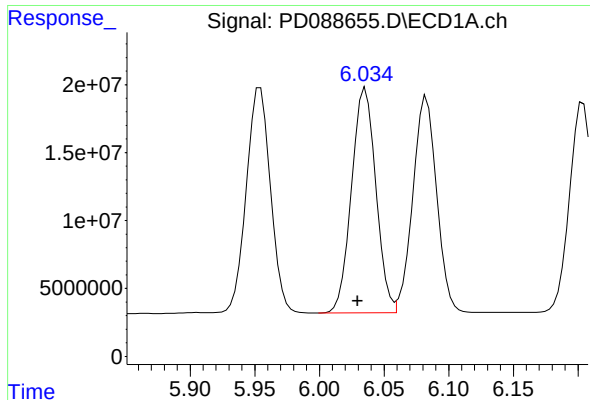
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.006 min
Response: 217008308
Conc: 54.40 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1141764501
Conc: 53.52 ng/ml



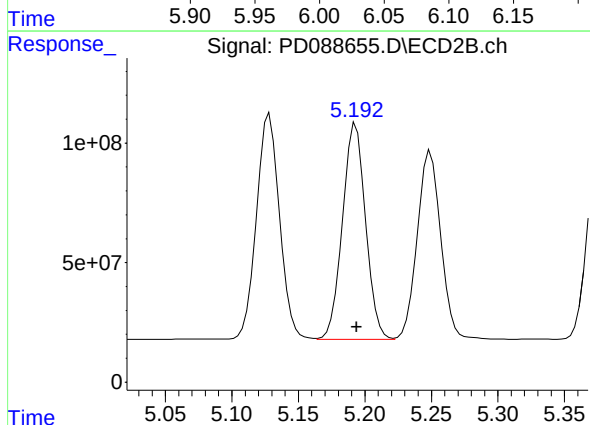
#11 alpha-Chlordane

R.T.: 6.036 min
Delta R.T.: 0.006 min
Response: 216402968
Conc: 54.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

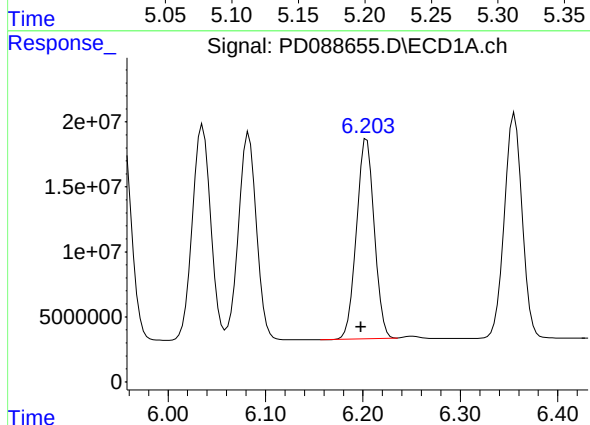
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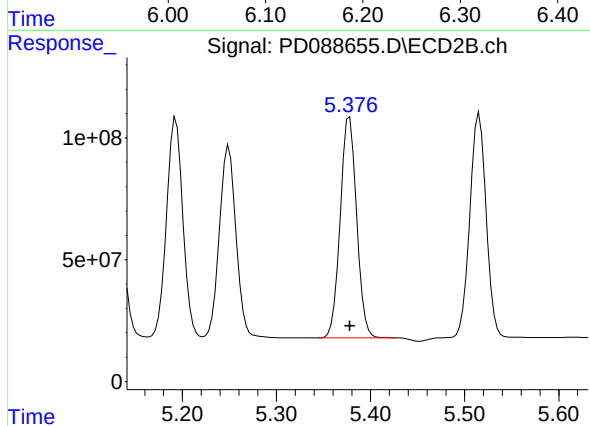
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1091380049
Conc: 52.92 ng/ml



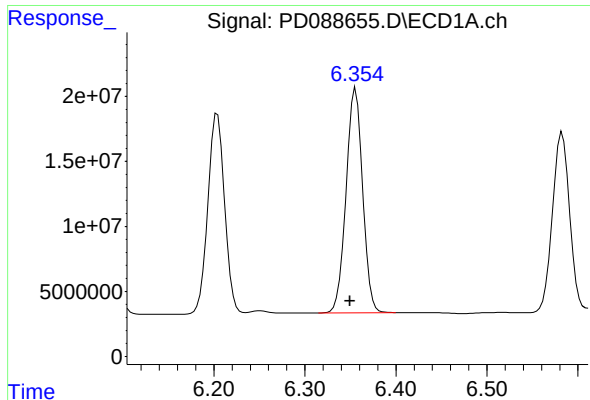
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.006 min
Response: 195390516
Conc: 54.44 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 1099460161
Conc: 52.60 ng/ml m



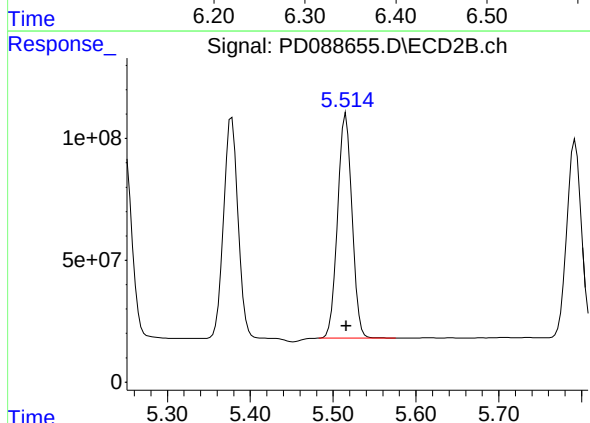
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.006 min
Response: 219189655
Conc: 54.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

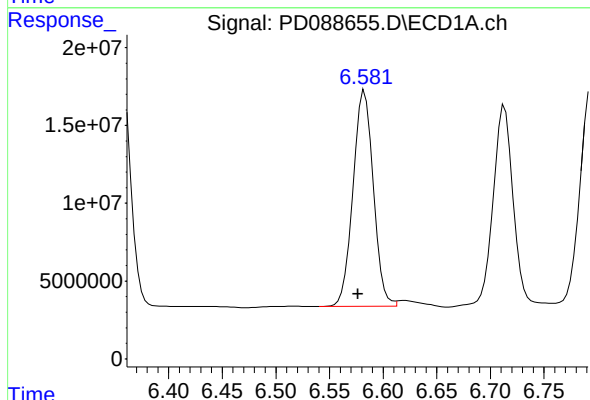
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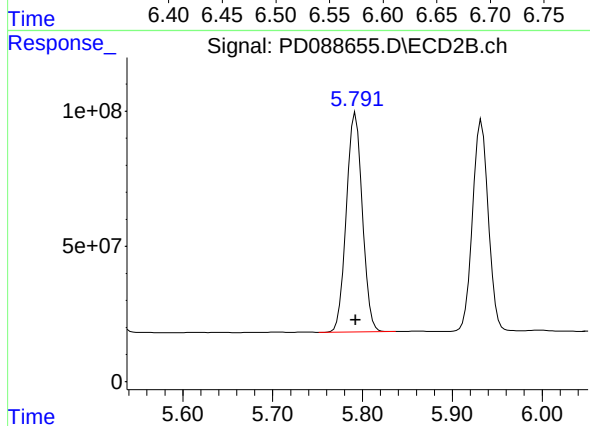
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 1112489562
Conc: 52.87 ng/ml



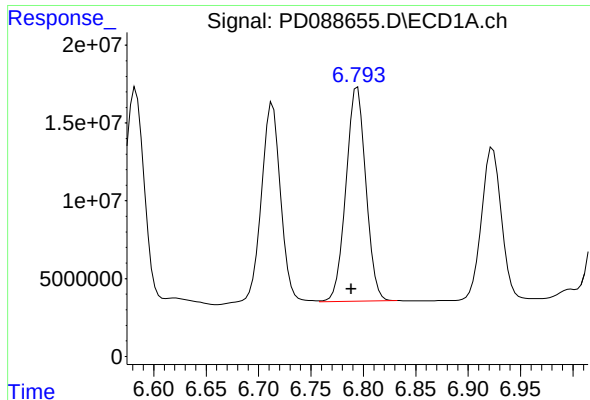
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.006 min
Response: 182881834
Conc: 53.55 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 999331196
Conc: 51.82 ng/ml



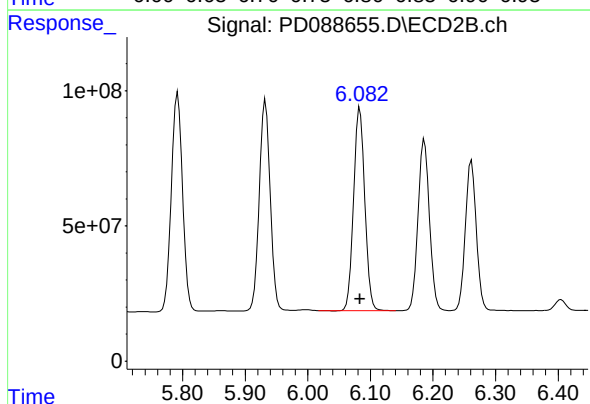
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.006 min
Response: 182630337
Conc: 53.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

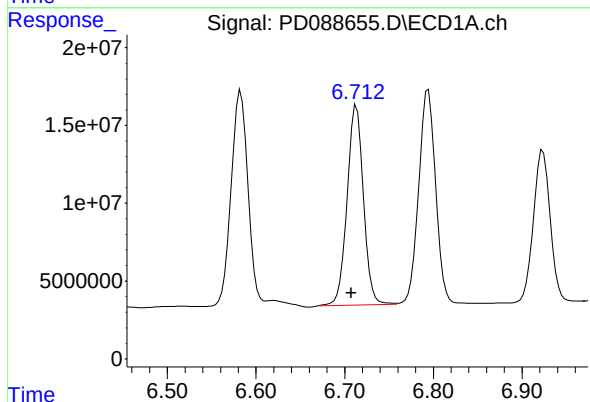
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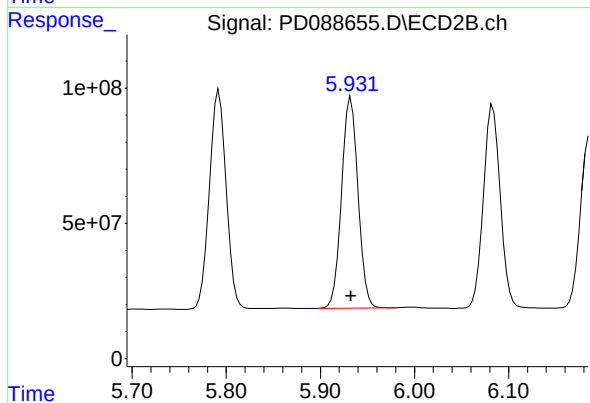
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 936280720
Conc: 51.10 ng/ml



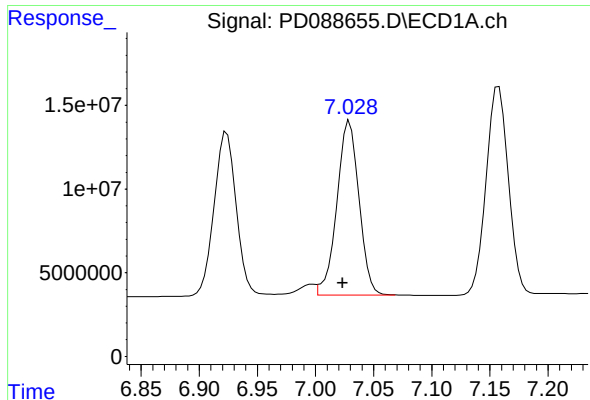
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.006 min
Response: 164782164
Conc: 59.17 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 947291497
Conc: 54.47 ng/ml



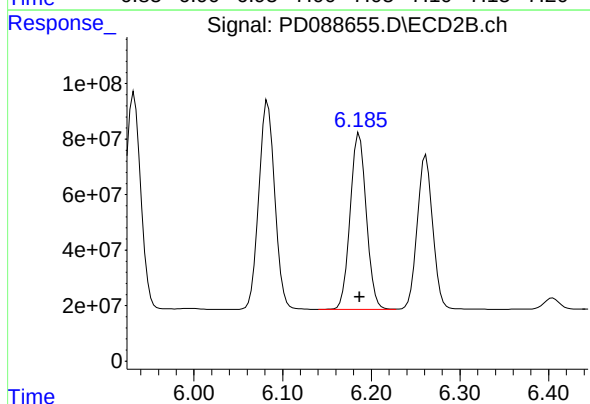
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.005 min
Response: 137594335
Conc: 44.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

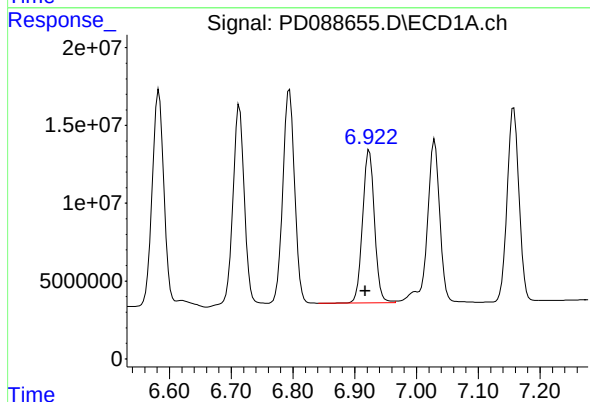
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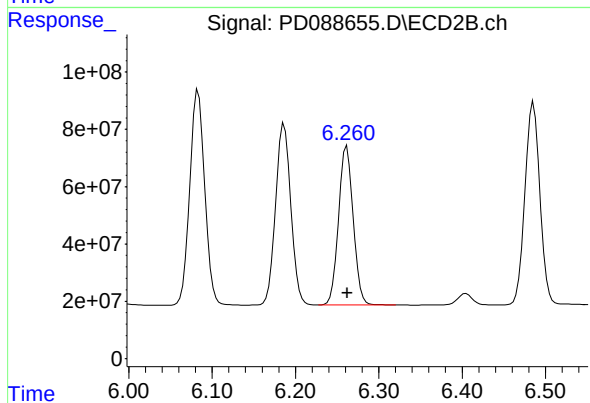
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 803547205
Conc: 44.30 ng/ml



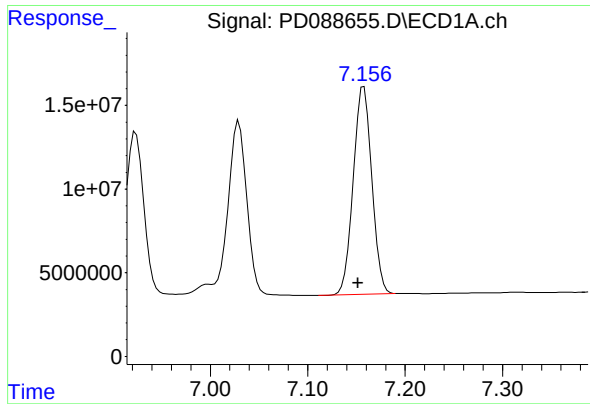
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.006 min
Response: 131199464
Conc: 50.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 675614940
Conc: 48.51 ng/ml



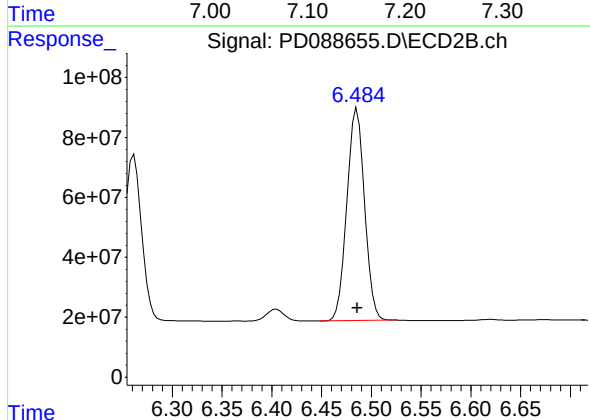
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.006 min
Response: 164668164
Conc: 51.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

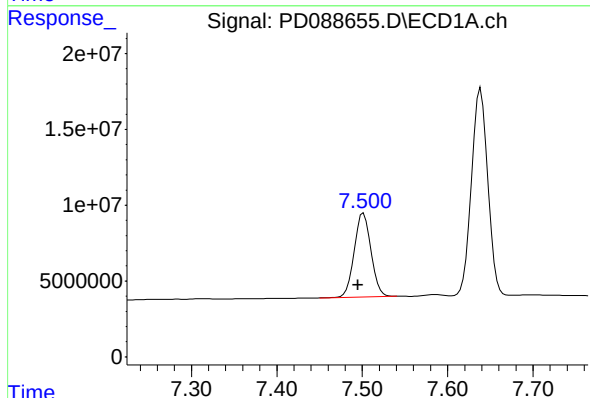
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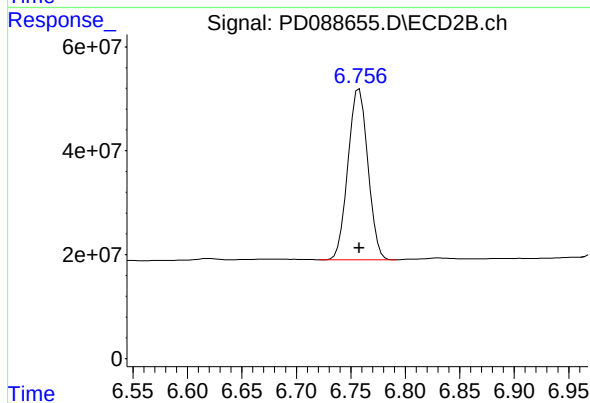
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 877642576
Conc: 49.43 ng/ml



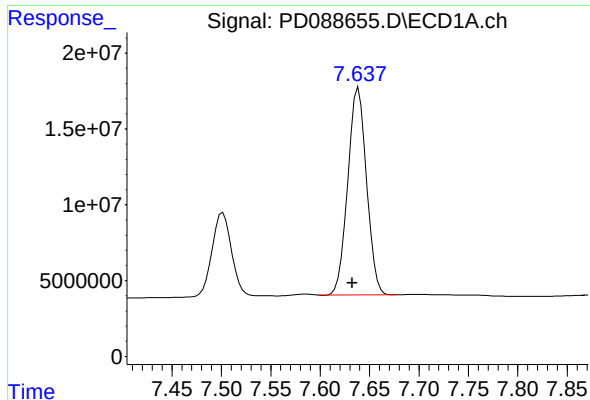
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.006 min
Response: 75750489
Conc: 45.34 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 419343543
Conc: 43.80 ng/ml



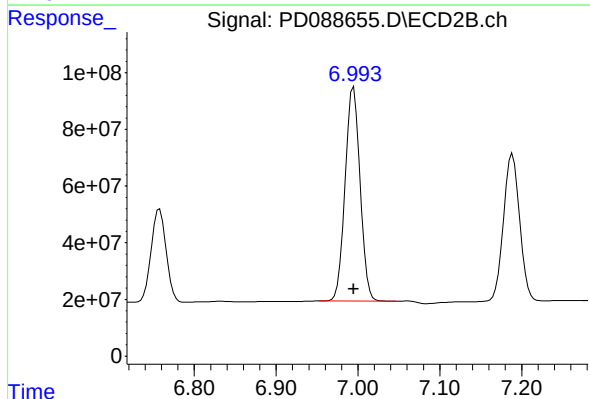
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.006 min
Response: 180146119
Conc: 52.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168082BSD

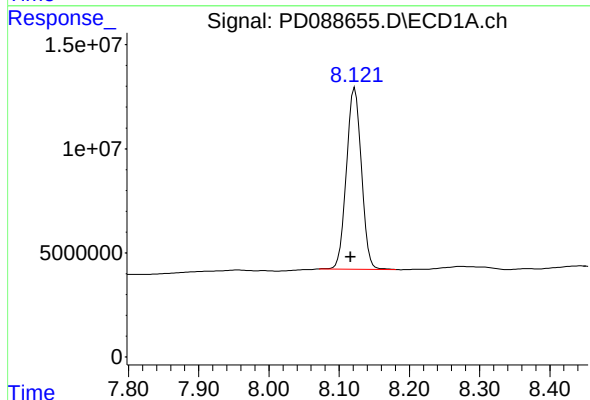
Manual Integrations
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Reviewed By :Abdul Mirza 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



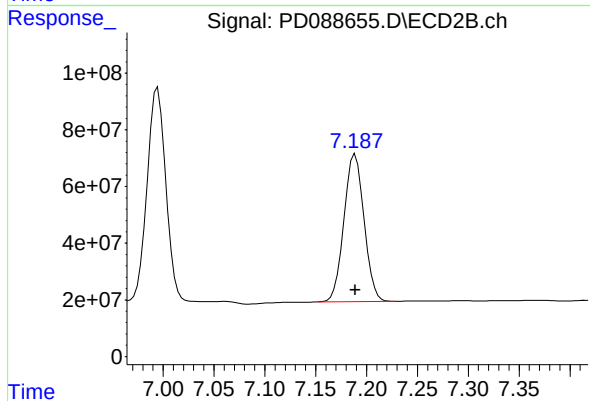
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 963129767
Conc: 49.78 ng/ml



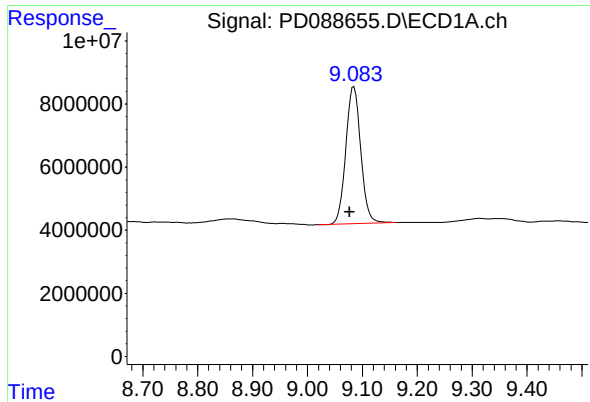
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.006 min
Response: 129044587
Conc: 49.67 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 714978947
Conc: 47.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.007 min
Response: 82269127
Conc: 24.04 ng/ml

Instrument :

ECD_D

ClientSampleId :

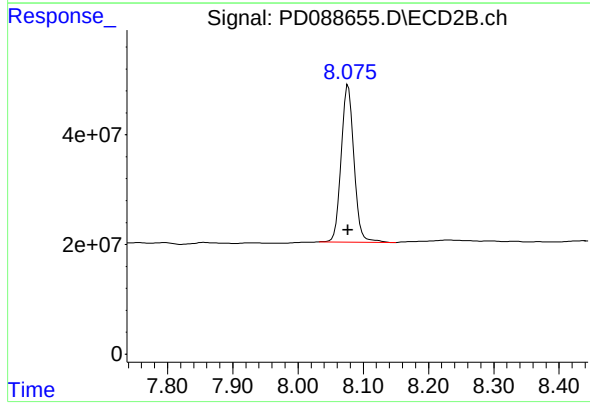
PB168082BSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 390603360
Conc: 21.40 ng/ml