

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088665.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 18:33
 Operator : AR\AJ
 Sample : Q2074-04MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-20MS

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 03:36:04 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...	3.551	2.882	38454386	297.3E6	17.772	19.652
28)	SA Decachlor...	9.076	8.075	59283932	304.4E6	17.323	16.672
Target Compounds							
2)	A alpha-BHC	4.000	3.394	217.3E6	1099.4E6	45.496	45.994
3)	MA gamma-BHC...	4.332	3.731	211.6E6	1000.4E6	45.970	45.131
4)	MA Heptachlor	4.931	4.084	197.2E6	983.1E6	44.102	43.780
5)	MB Aldrin	5.273	4.371	200.0E6	990.6E6	45.521	45.173
6)	B beta-BHC	4.517	4.027	75241909	452.4E6	41.728	46.443
7)	B delta-BHC	4.765	4.264	203.7E6	1008.3E6	48.197	45.227
8)	B Heptachlo...	5.693	4.874	176.7E6	881.8E6	44.529	44.376
9)	A Endosulfan I	6.076	5.249	169.6E6	789.1E6	45.072	41.581
10)	B gamma-Chl...	5.948	5.127	178.0E6	946.1E6	44.621	44.353
11)	B alpha-Chl...	6.029	5.192	178.4E6	907.0E6	44.541	43.974
12)	B 4,4'-DDE	6.198	5.377	154.0E6	906.0E6	42.902	43.344
13)	MA Dieldrin	6.349	5.515	178.7E6	936.5E6	44.545	44.505
14)	MA Endrin	6.576	5.791	149.1E6	829.3E6	43.663	43.006
15)	B Endosulfa...	6.788	6.082	149.7E6	789.4E6	43.471	43.087
16)	A 4,4'-DDD	6.707	5.931	134.4E6	764.8E6	48.267	43.972
17)	MA 4,4'-DDT	7.023	6.185	112.9E6	644.2E6	36.176	35.518
18)	B Endrin al...	6.916	6.260	112.4E6	590.9E6	43.670m	42.421
19)	B Endosulfa...	7.151	6.484	136.9E6	744.4E6	42.742	41.925
20)	A Methoxychlor	7.496	6.756	57376907	349.3E6	34.346	36.479
21)	B Endrin ke...	7.633	6.994	146.7E6	792.8E6	42.848	40.978
22)	Mirex	8.114	7.187	110.2E6	605.1E6	42.431m	39.800

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

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Data File : PD088665.D
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Acq On : 20 May 2025 18:33
Operator : AR\AJ
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Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

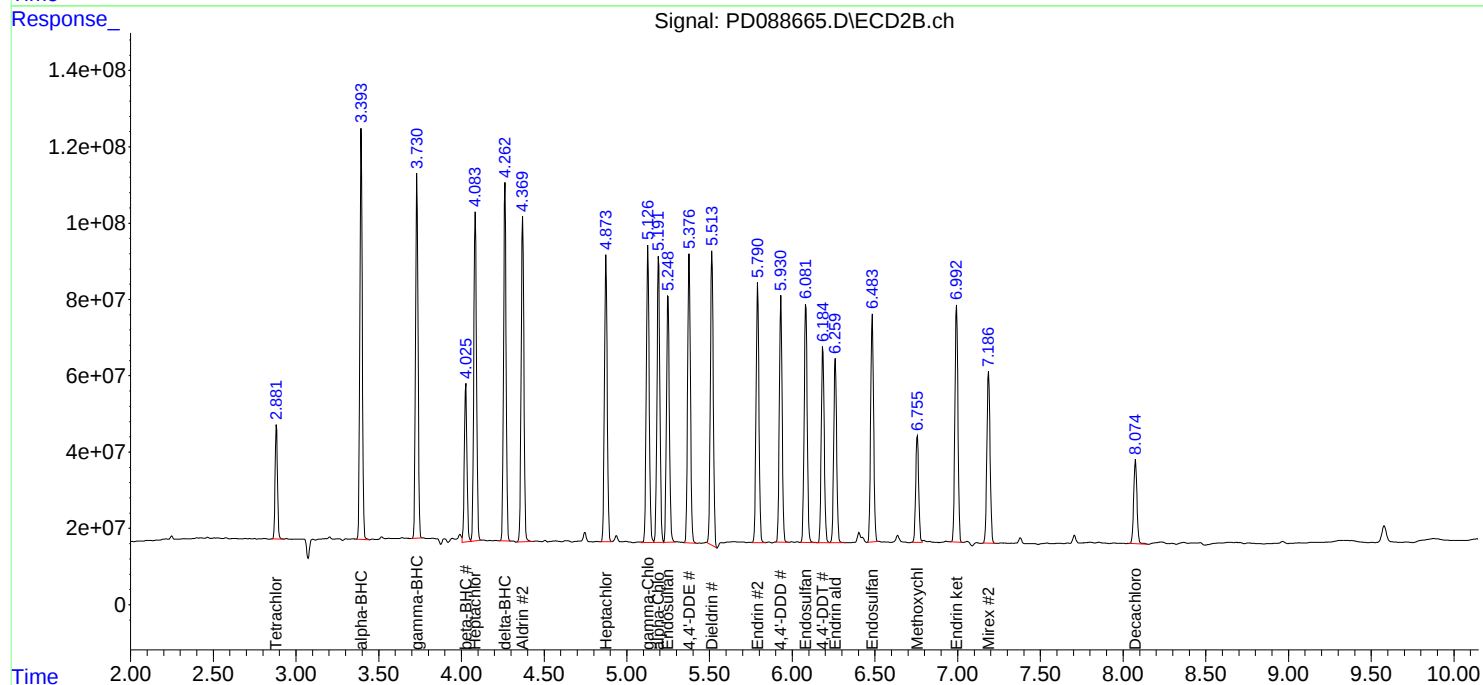
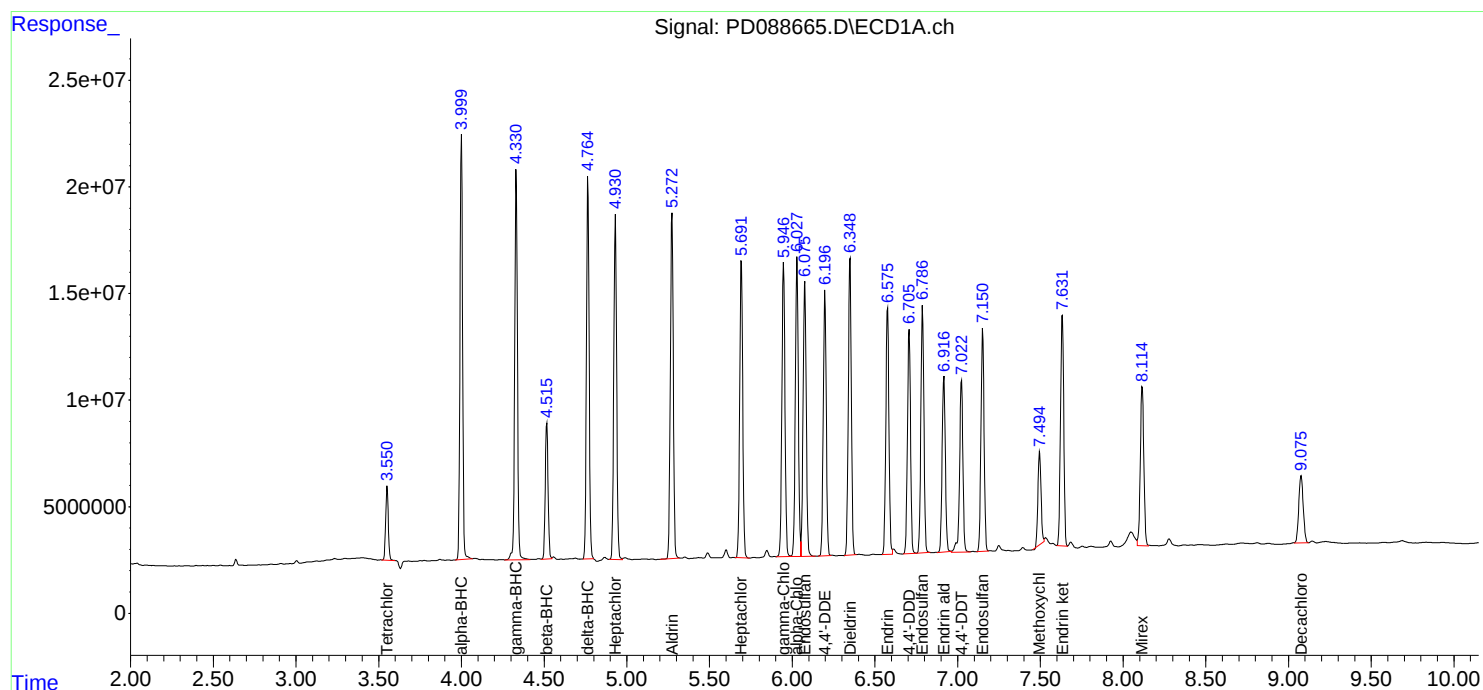
APPROVED

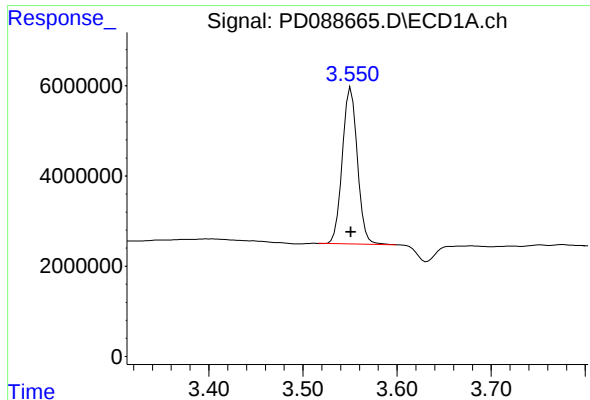
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:36:04 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





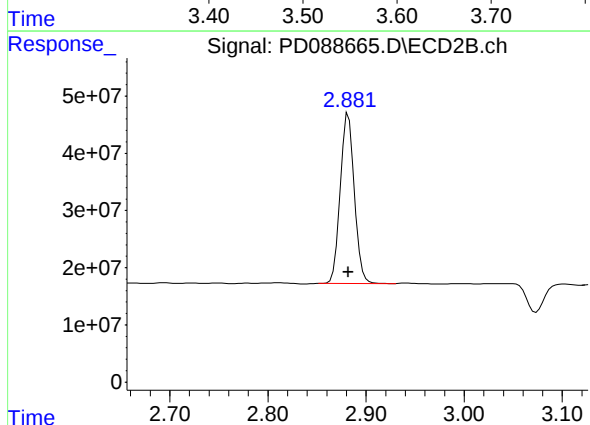
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38454386
Conc: 17.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

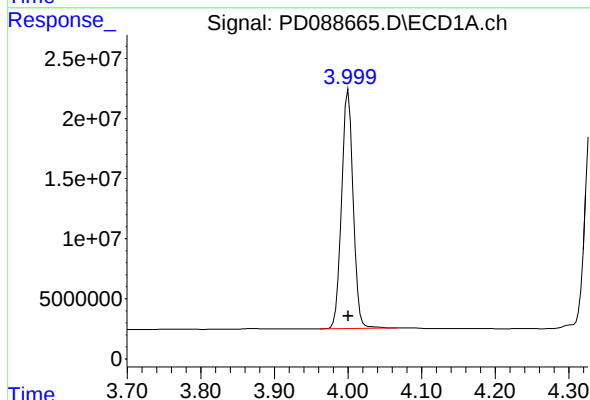
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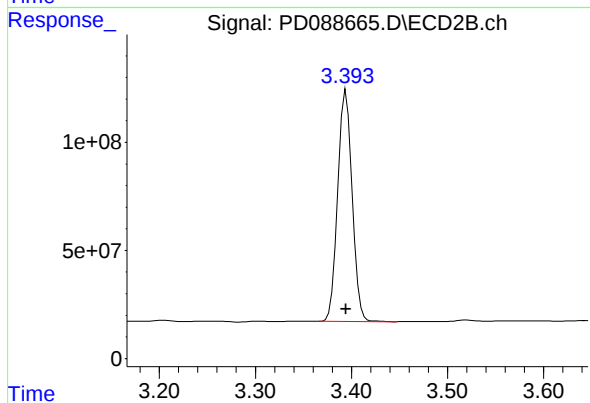
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 297272029
Conc: 19.65 ng/ml



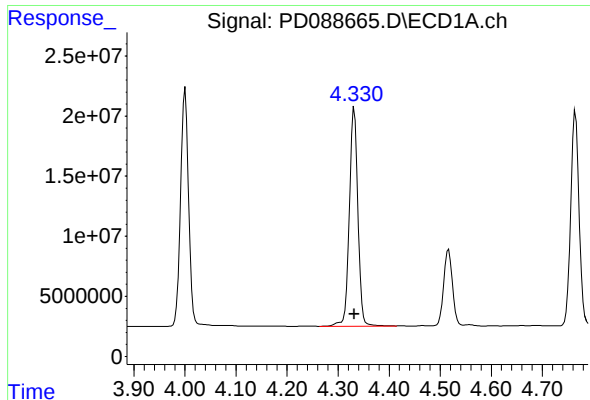
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 217315518
Conc: 45.50 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1099432392
Conc: 45.99 ng/ml



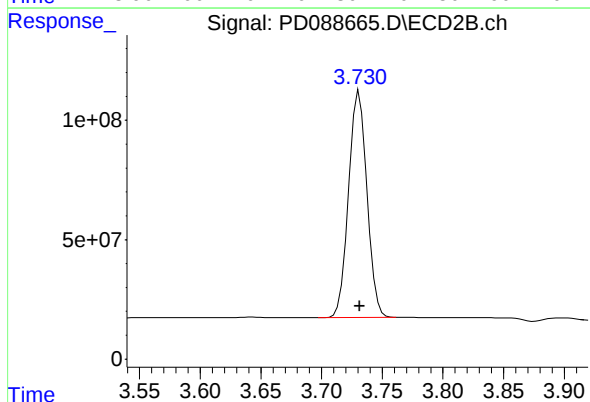
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 211585846
Conc: 45.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

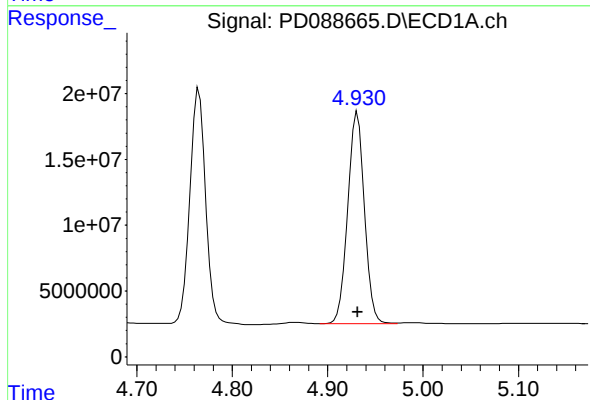
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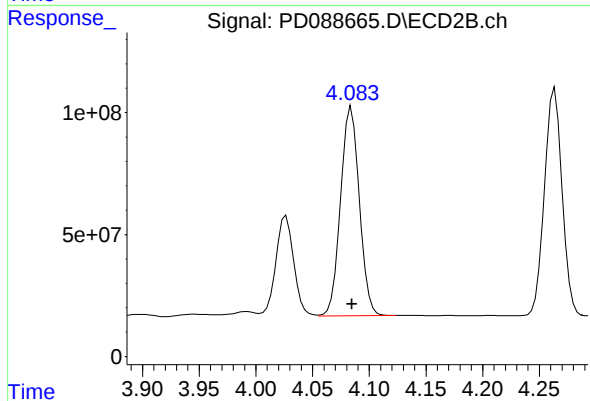
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1000354539
Conc: 45.13 ng/ml



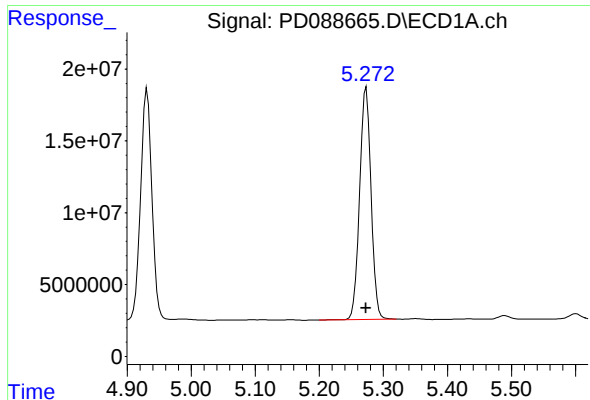
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 197188296
Conc: 44.10 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 983078263
Conc: 43.78 ng/ml



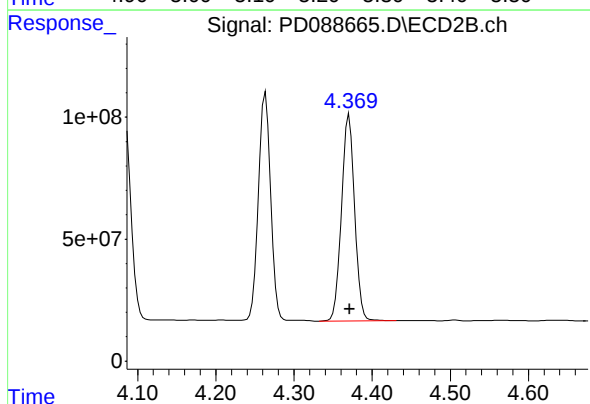
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 200044419
Conc: 45.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

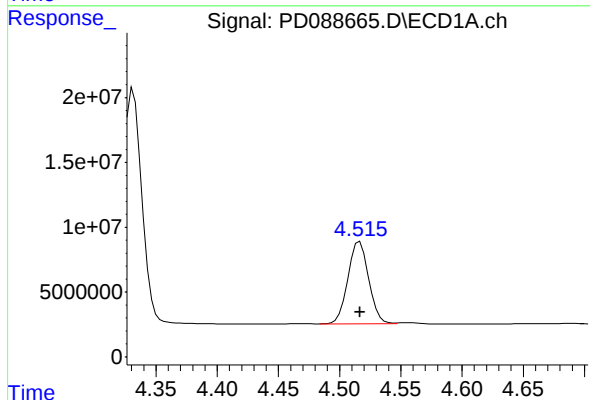
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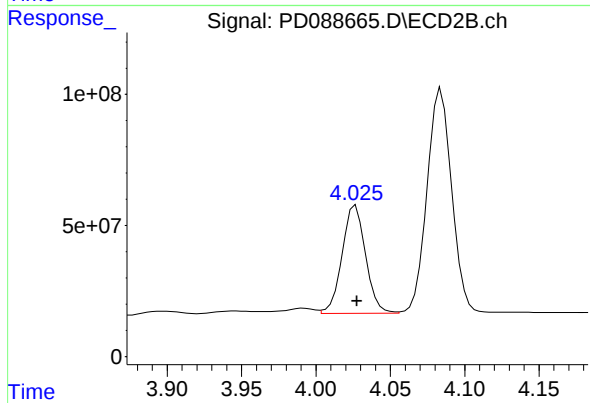
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 990642864
Conc: 45.17 ng/ml



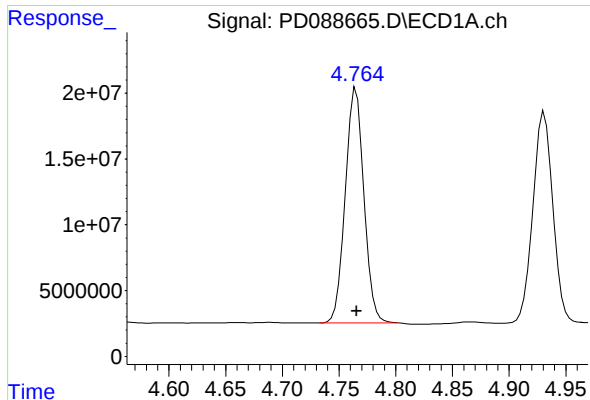
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 75241909
Conc: 41.73 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 452443745
Conc: 46.44 ng/ml



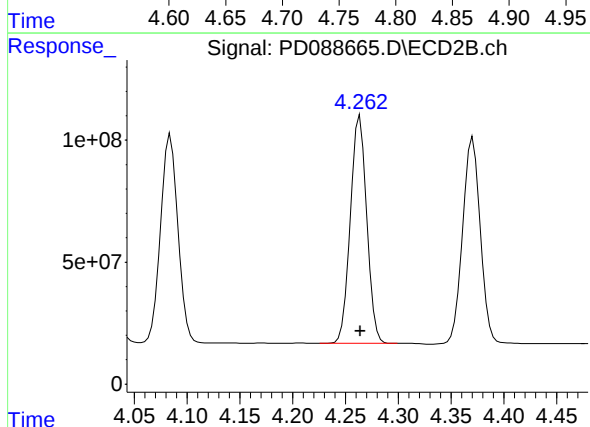
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 203685538
Conc: 48.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

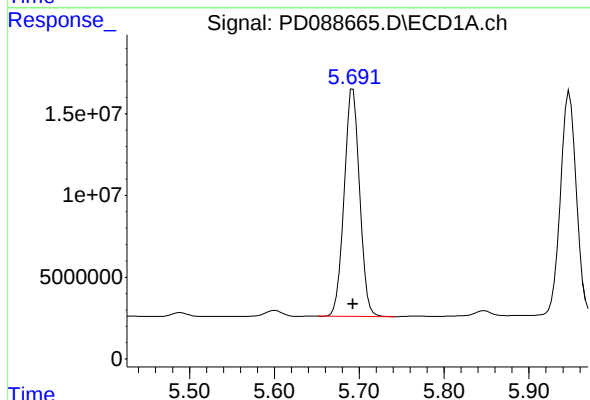
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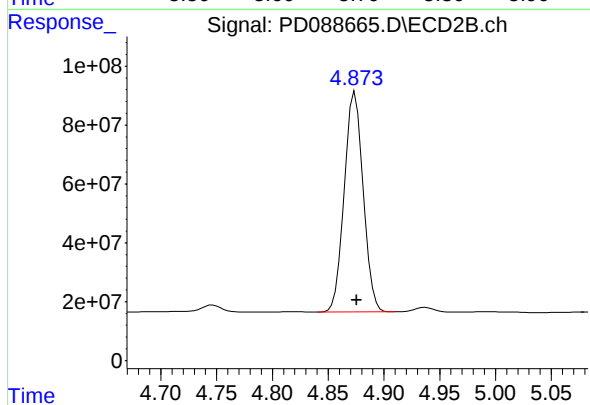
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1008294630
Conc: 45.23 ng/ml



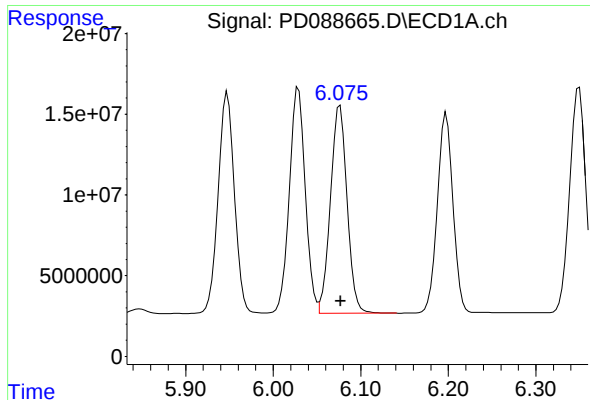
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 176746801
Conc: 44.53 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 881817662
Conc: 44.38 ng/ml



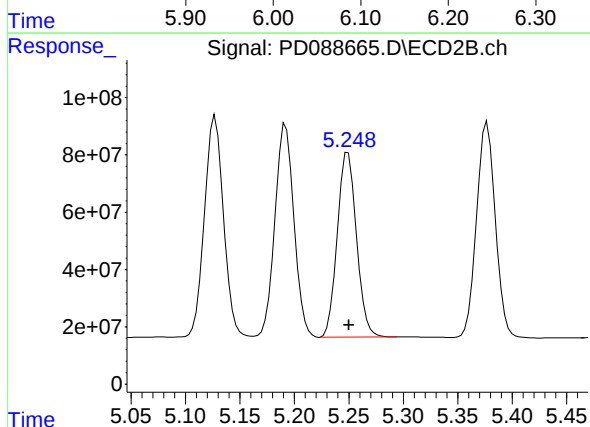
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 169604067
Conc: 45.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

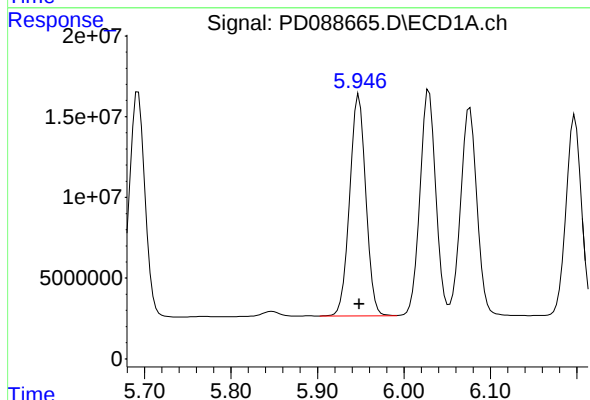
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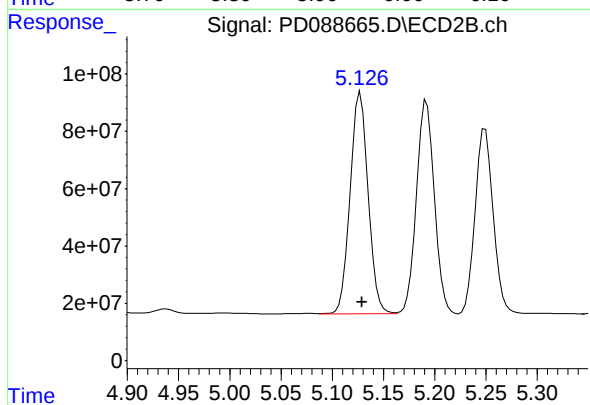
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 789135645
Conc: 41.58 ng/ml



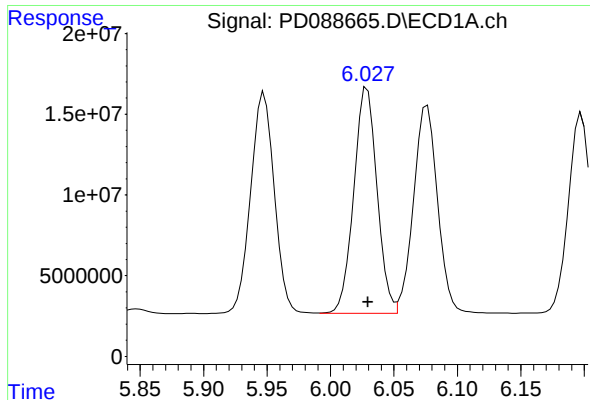
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 177992207
Conc: 44.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.001 min
Response: 946136740
Conc: 44.35 ng/ml



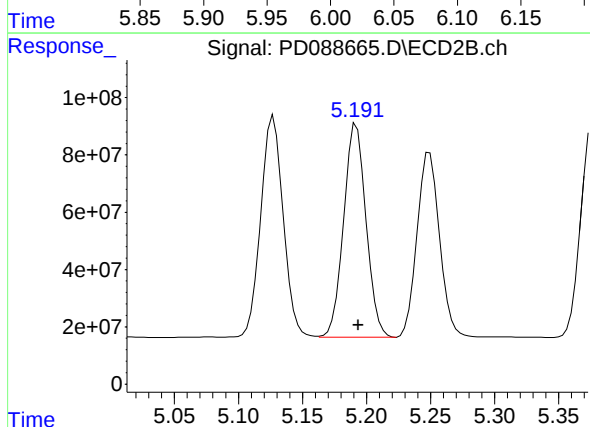
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 178441637
Conc: 44.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

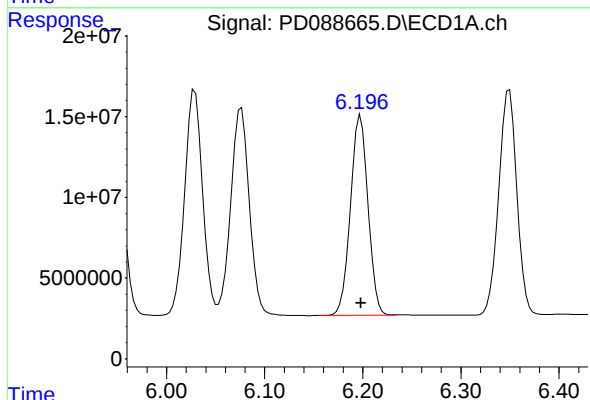
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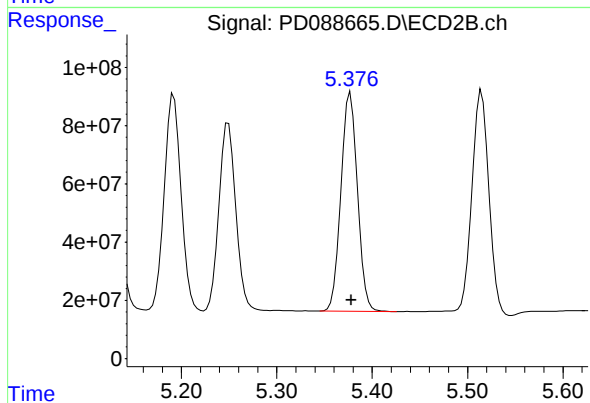
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 906963475
Conc: 43.97 ng/ml



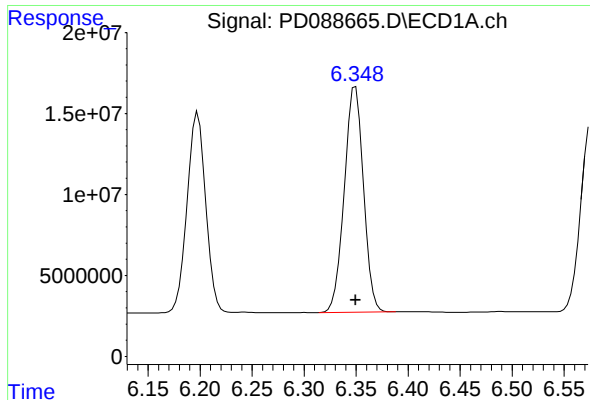
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 153992710
Conc: 42.90 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.001 min
Response: 906015316
Conc: 43.34 ng/ml



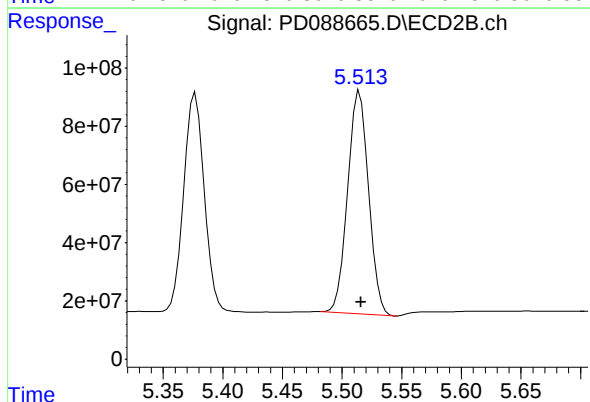
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 178703445
Conc: 44.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

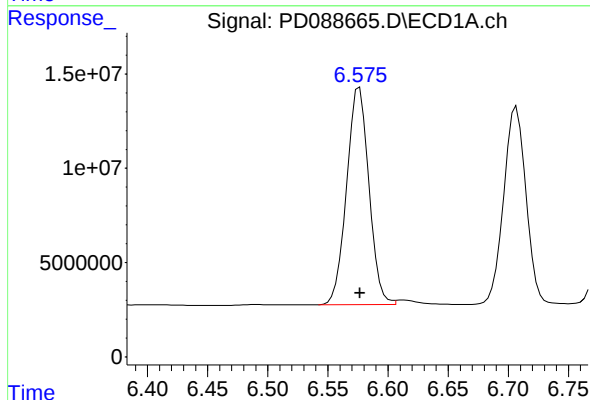
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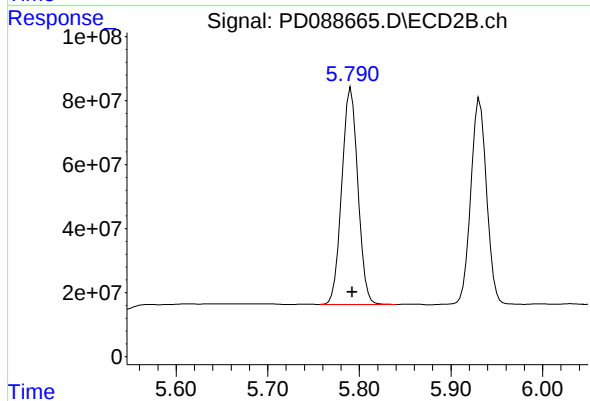
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.001 min
Response: 936549525
Conc: 44.50 ng/ml



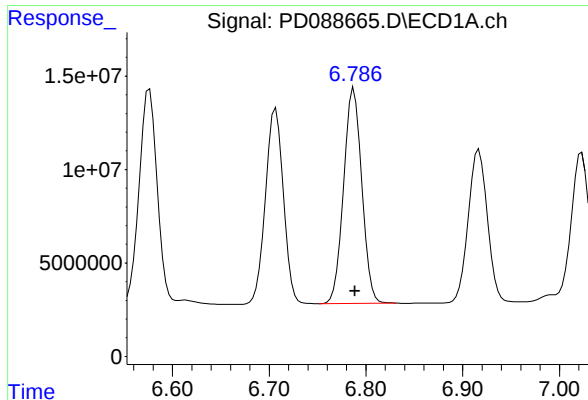
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 149115288
Conc: 43.66 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.001 min
Response: 829337317
Conc: 43.01 ng/ml



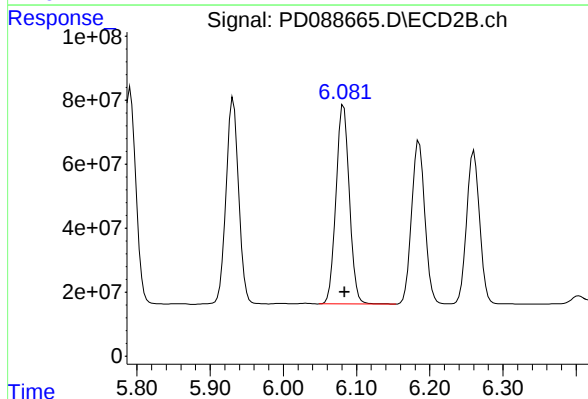
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 149695200
Conc: 43.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

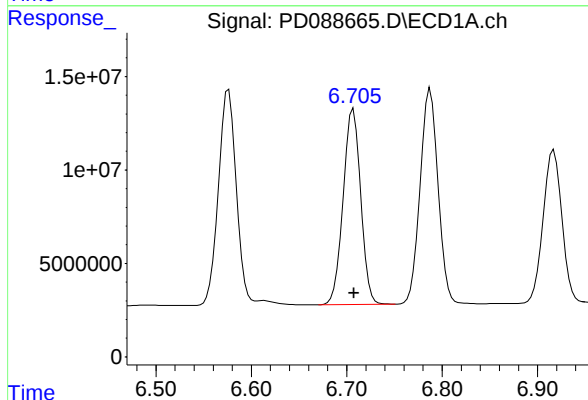
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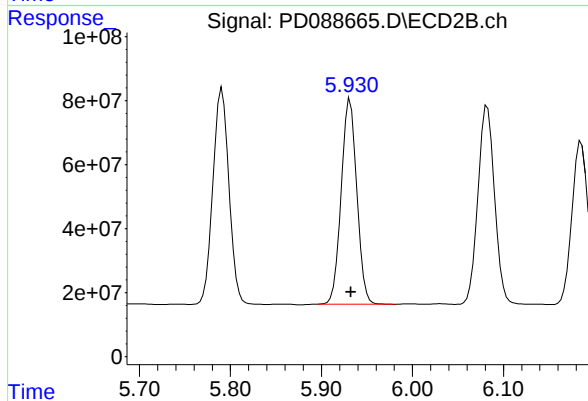
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 789426366
Conc: 43.09 ng/ml



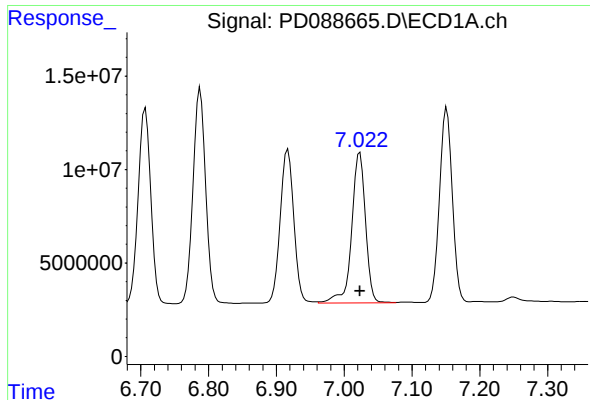
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 134427481
Conc: 48.27 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.001 min
Response: 764782078
Conc: 43.97 ng/ml



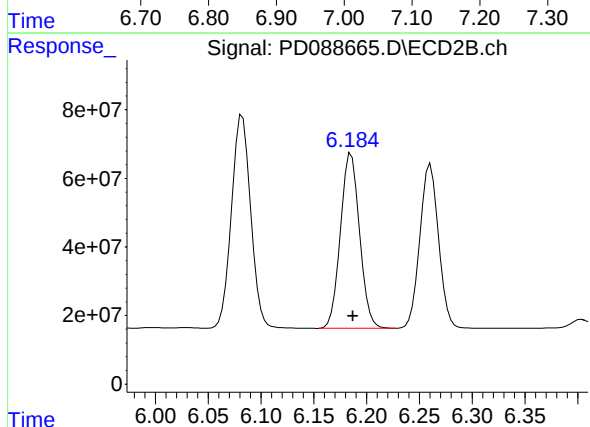
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 112942319
Conc: 36.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

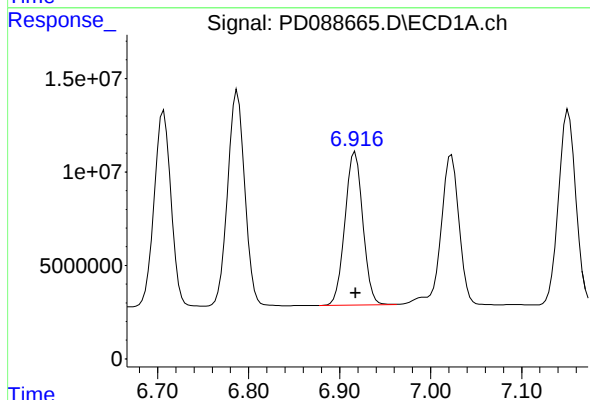
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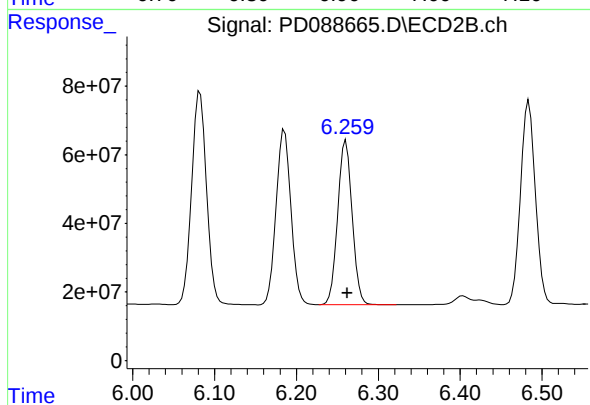
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 644198258
Conc: 35.52 ng/ml



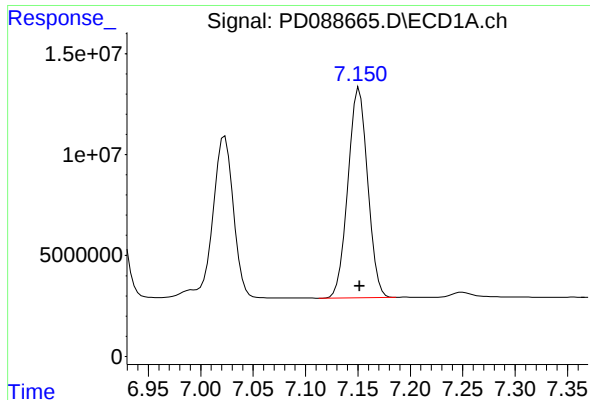
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.002 min
Response: 112433205
Conc: 43.67 ng/ml m



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 590869881
Conc: 42.42 ng/ml



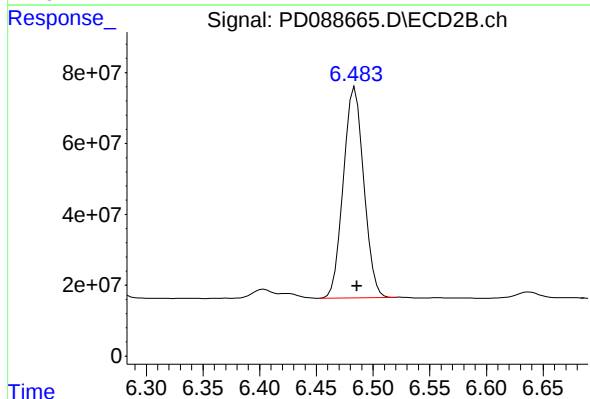
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 136906792
Conc: 42.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

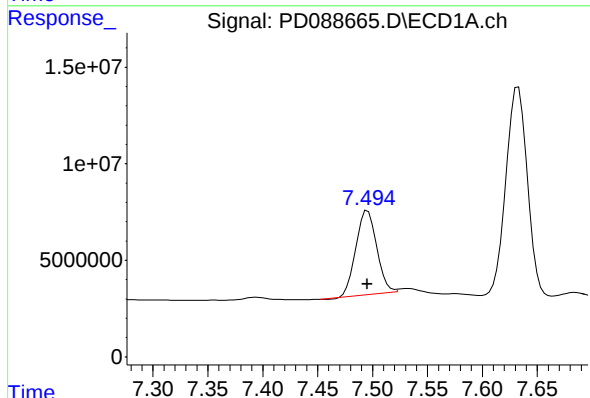
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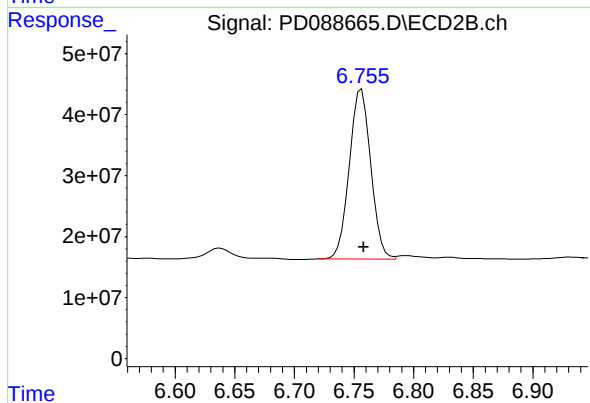
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 744421487
Conc: 41.93 ng/ml



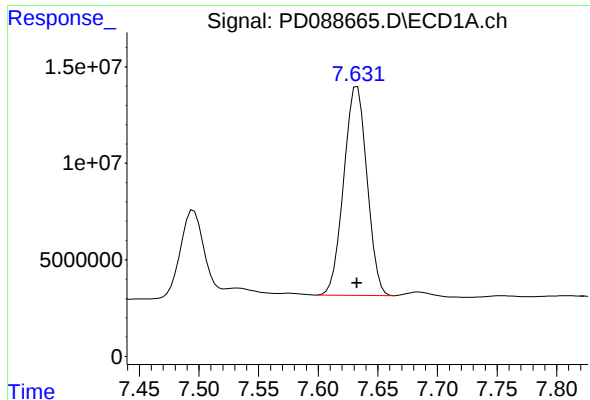
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 57376907
Conc: 34.35 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 349278605
Conc: 36.48 ng/ml



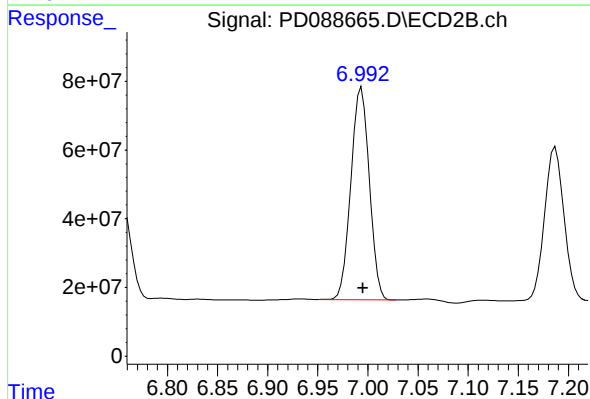
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 146676809
Conc: 42.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

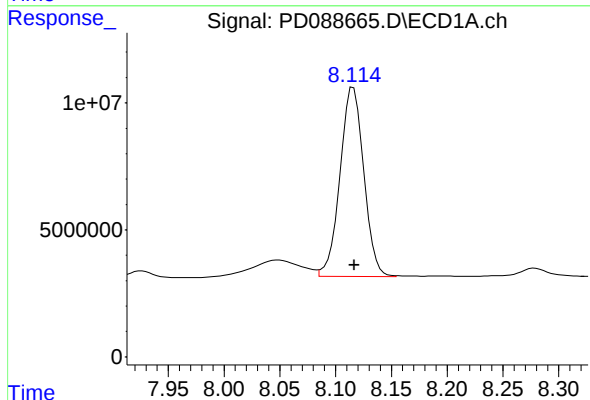
Manual Integrations
APPROVED

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



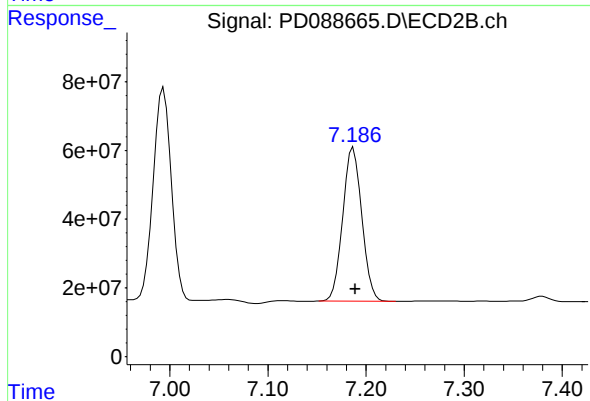
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 792816832
Conc: 40.98 ng/ml



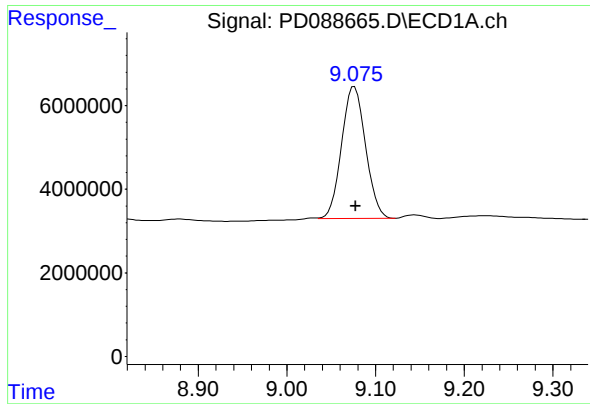
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.002 min
Response: 110246221
Conc: 42.43 ng/ml m



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 605054582
Conc: 39.80 ng/ml



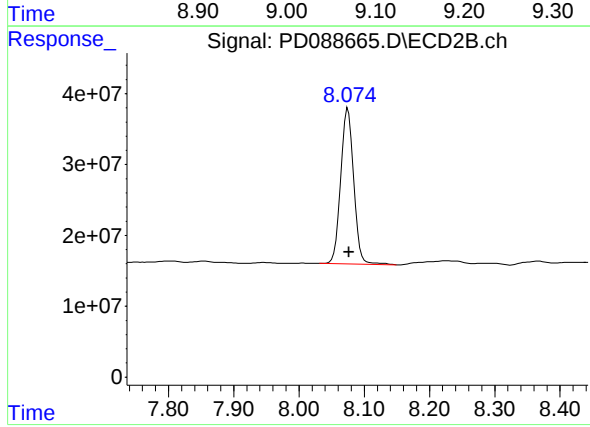
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.001 min
Response: 59283932
Conc: 17.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MS

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 304374868
Conc: 16.67 ng/ml