

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
 Data File : PD088175.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Apr 2025 18:15
 Operator : AR\AJ
 Sample : PB167676BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB167676BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/22/2025
 Supervised By : mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 22:46:22 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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	37952484	294.4E6	19.001	20.132
28) SA Decachlor...	9.073	8.076	65165497	306.6E6	19.699m	16.592
Target Compounds						
2) A alpha-BHC	4.001	3.396	211.8E6	1079.8E6	49.120	47.234
3) MA gamma-BHC...	4.332	3.733	202.5E6	996.7E6	48.364	46.277
4) MA Heptachlor	4.931	4.086	192.8E6	965.0E6	47.726	45.096
5) MB Aldrin	5.273	4.372	192.1E6	984.6E6	48.650	47.329
6) B beta-BHC	4.517	4.028	77830367	439.6E6	47.943	47.507
7) B delta-BHC	4.765	4.265	212.0E6	998.0E6	51.392	46.938
8) B Heptachlo...	5.693	4.876	171.7E6	872.8E6	48.031	46.196
9) A Endosulfan I	6.076	5.250	162.2E6	793.1E6	48.022	44.030
10) B gamma-Chl...	5.948	5.129	178.1E6	930.3E6	49.172	45.836
11) B alpha-Chl...	6.029	5.194	174.0E6	892.4E6	48.218	45.522
12) B 4,4'-DDE	6.197	5.379	151.7E6	900.4E6	45.992	45.722
13) MA Dieldrin	6.349	5.516	171.2E6	904.5E6	47.988	45.379
14) MA Endrin	6.576	5.792	139.0E6	822.5E6	46.619	45.189
15) B Endosulfa...	6.787	6.084	143.8E6	765.2E6	45.995	43.672
16) A 4,4'-DDD	6.707	5.933	120.6E6	741.9E6	47.963	45.277
17) MA 4,4'-DDT	7.022	6.187	122.4E6	701.6E6	44.085	41.229
18) B Endrin al...	6.916	6.262	107.0E6	574.4E6	46.378	43.186
19) B Endosulfa...	7.151	6.485	132.5E6	717.4E6	46.084	41.869
20) A Methoxychlor	7.495	6.758	62455431	381.3E6	41.650	41.799
21) B Endrin ke...	7.632	6.994	139.6E6	755.6E6	45.232	40.399
22) Mirex	8.116	7.189	102.3E6	581.9E6	43.579	39.265

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
Data File : PD088175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Apr 2025 18:15
Operator : AR\AJ
Sample : PB167676BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB167676BS

Manual Integrations

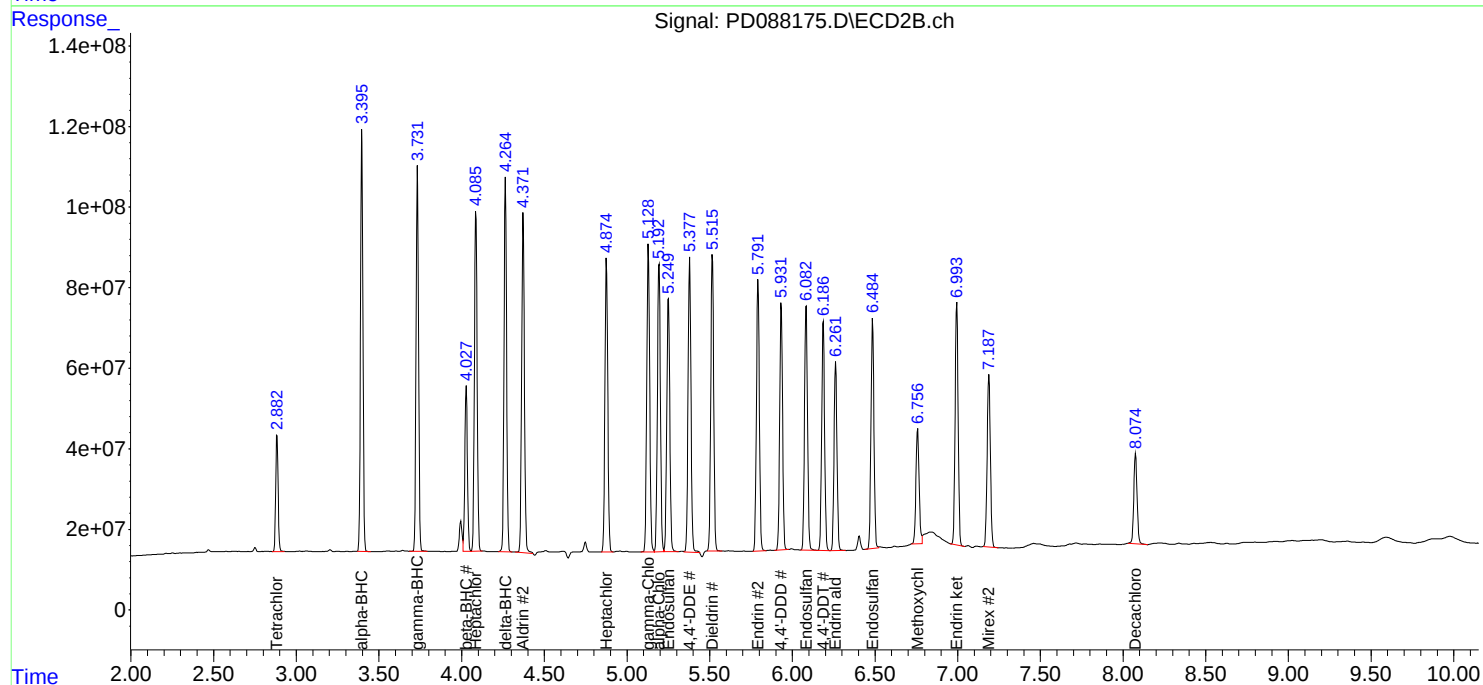
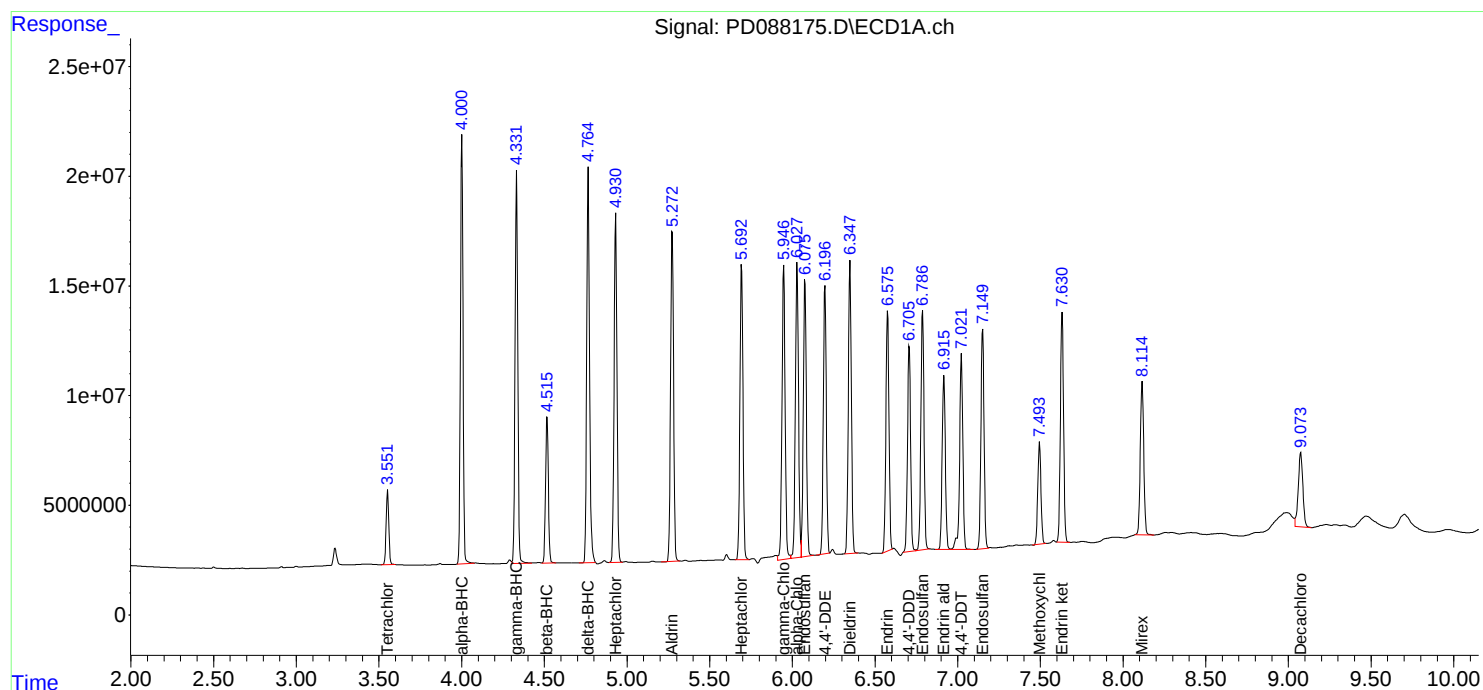
APPROVED

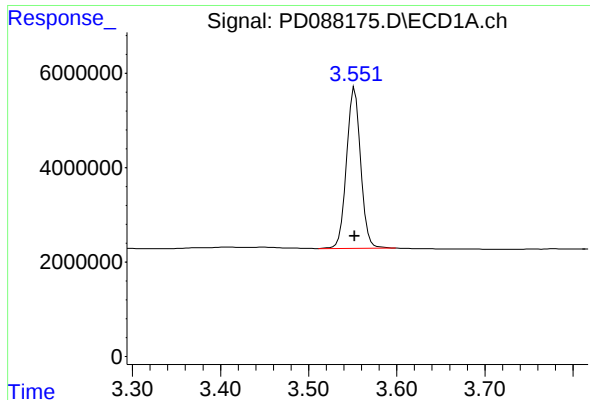
Reviewed By :Abdul Mirza 04/22/2025

Supervised By :mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 22:46:22 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





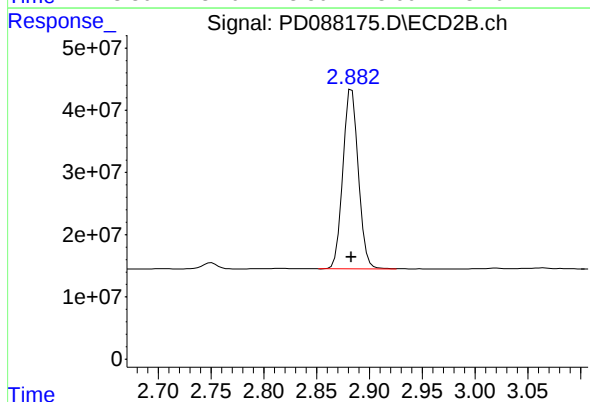
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 37952484
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
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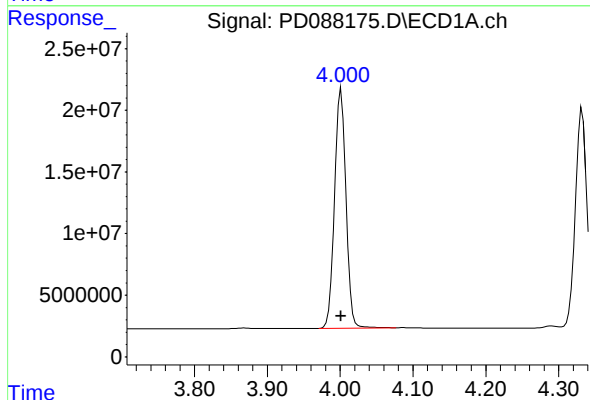
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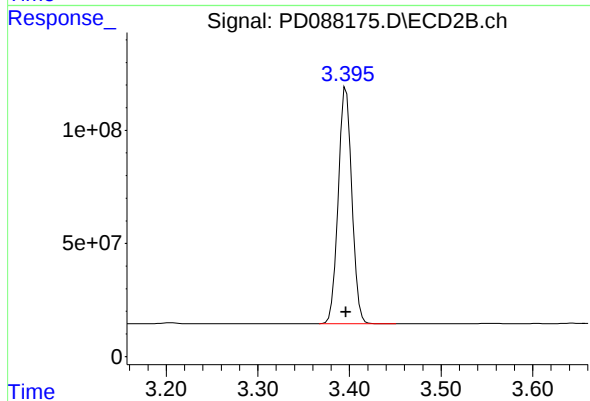
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 294356986
Conc: 20.13 ng/ml



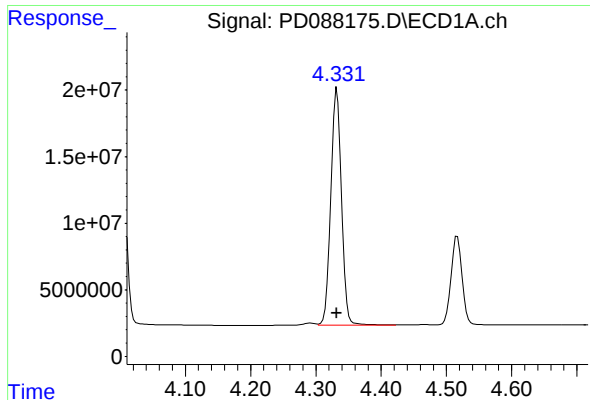
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 211803805
Conc: 49.12 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1079831890
Conc: 47.23 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 202525166
Conc: 48.36 ng/ml

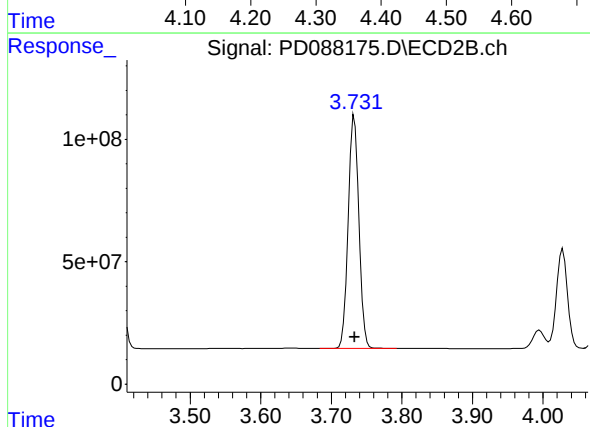
Instrument :

ECD_D

ClientSampleId :
PB167676BS

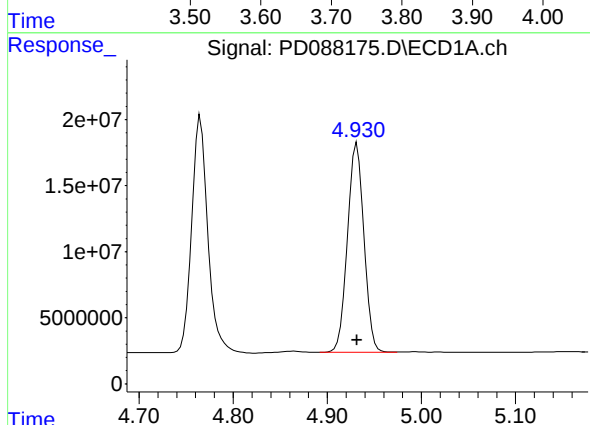
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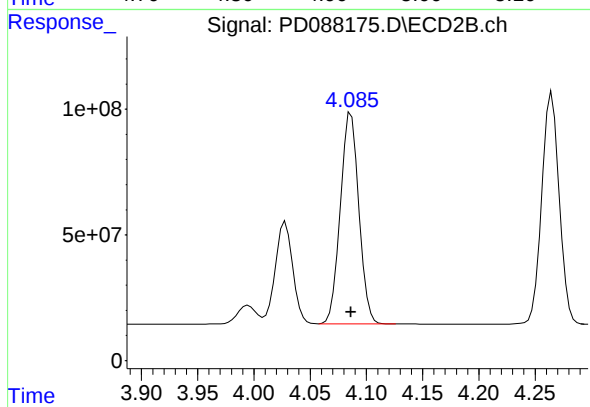
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.000 min
Response: 996741054
Conc: 46.28 ng/ml



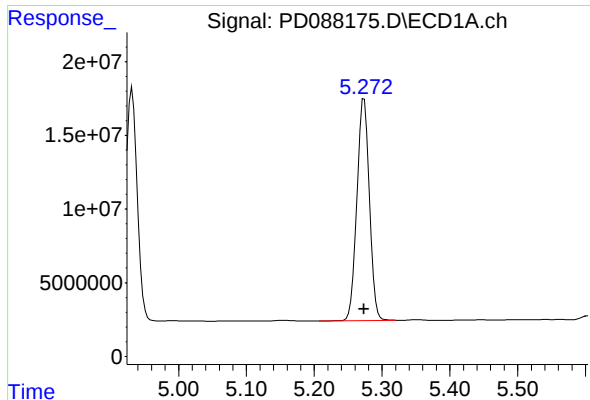
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 192762142
Conc: 47.73 ng/ml



#4 Heptachlor

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 964961286
Conc: 45.10 ng/ml



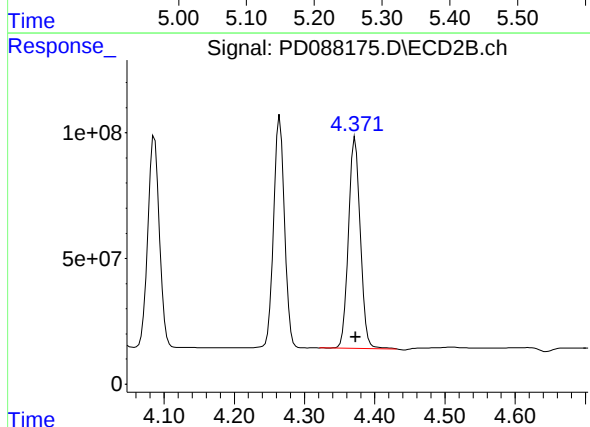
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 192146028
Conc: 48.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

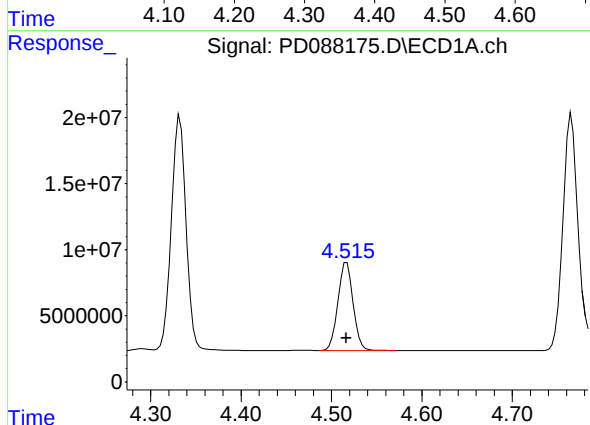
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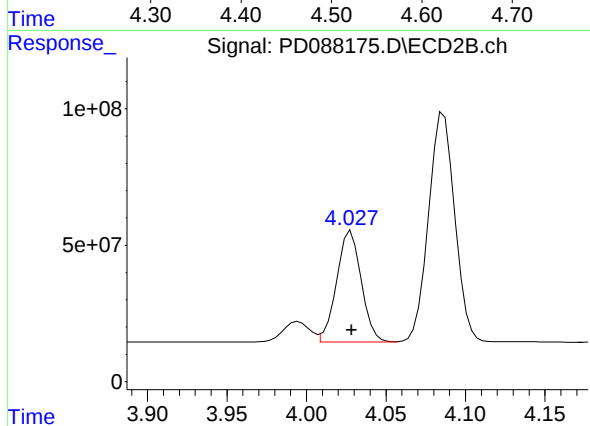
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 984579608
Conc: 47.33 ng/ml



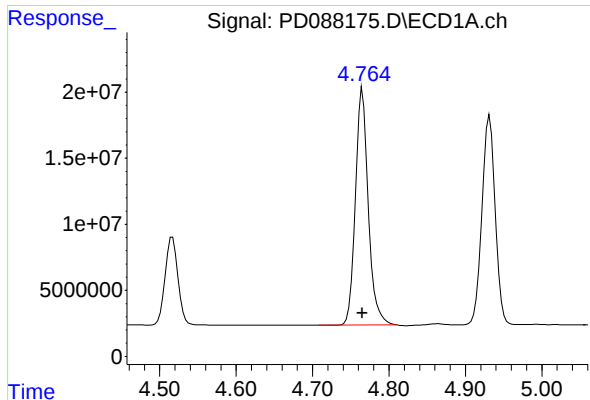
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 77830367
Conc: 47.94 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 439631417
Conc: 47.51 ng/ml



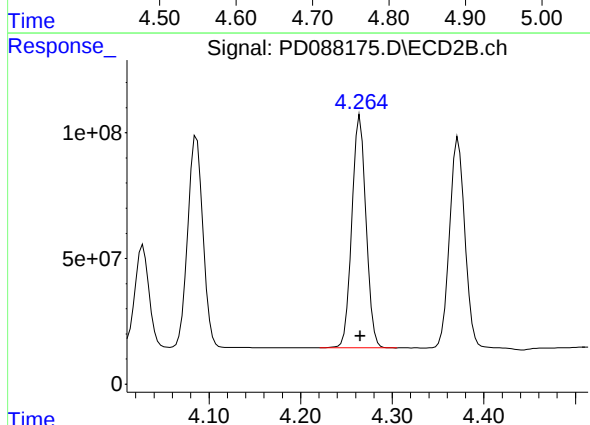
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 211990863
Conc: 51.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

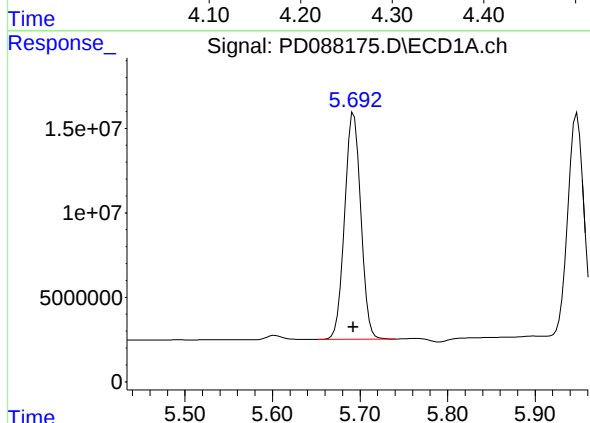
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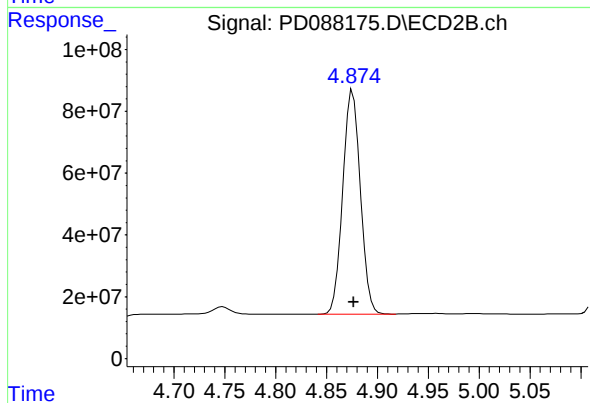
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 997972414
Conc: 46.94 ng/ml



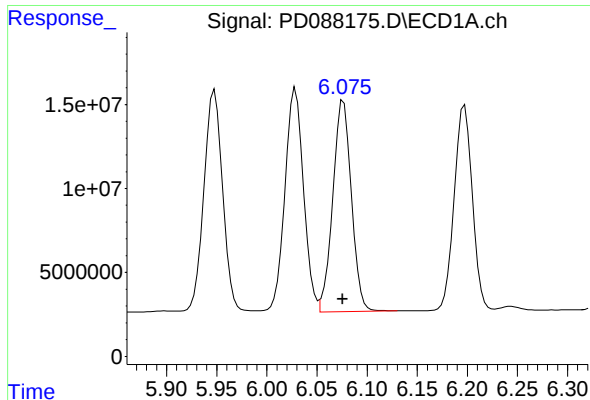
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 171661588
Conc: 48.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 872844588
Conc: 46.20 ng/ml



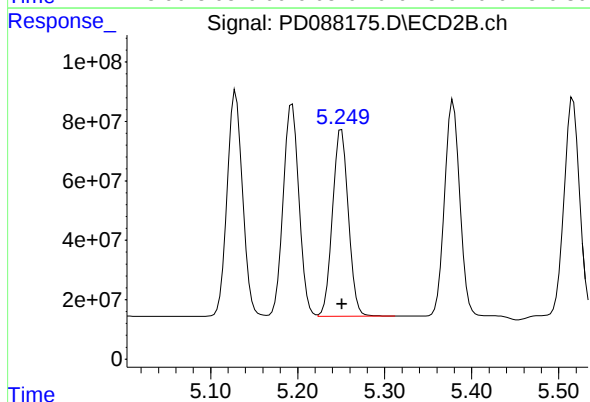
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 162176419
Conc: 48.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

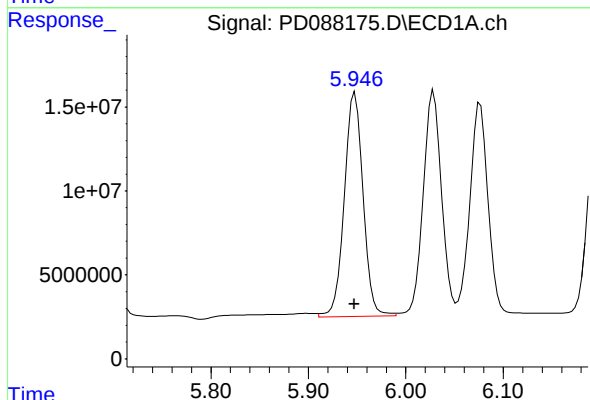
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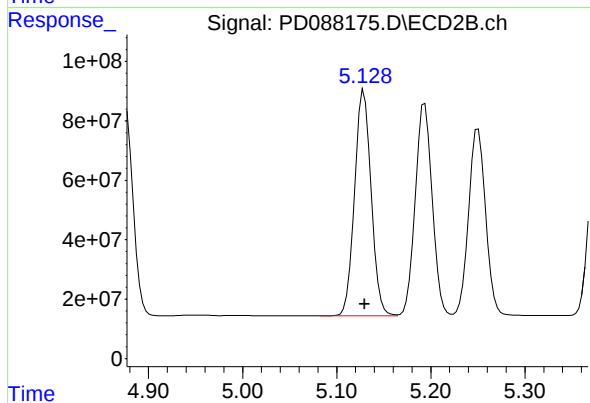
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 793096535
Conc: 44.03 ng/ml



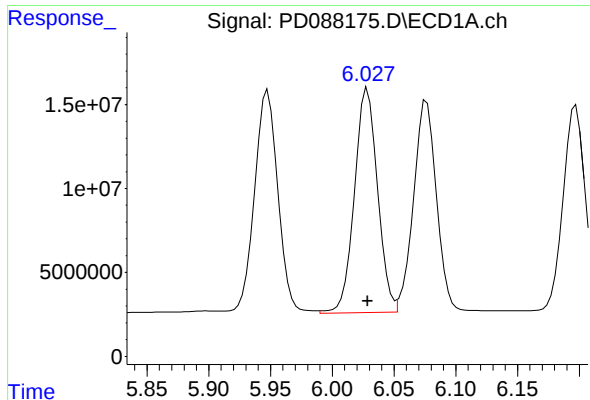
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 178105377
Conc: 49.17 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 930291422
Conc: 45.84 ng/ml



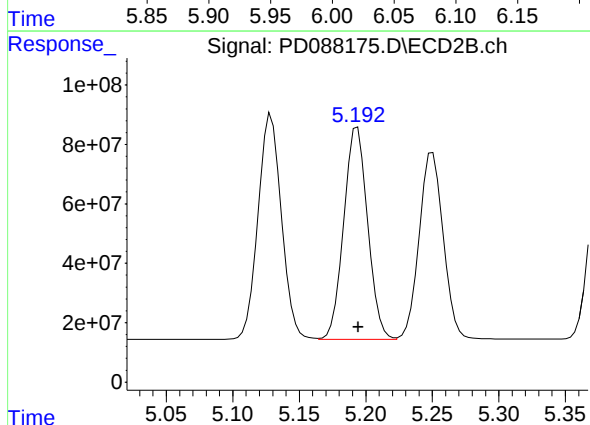
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 174048312
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

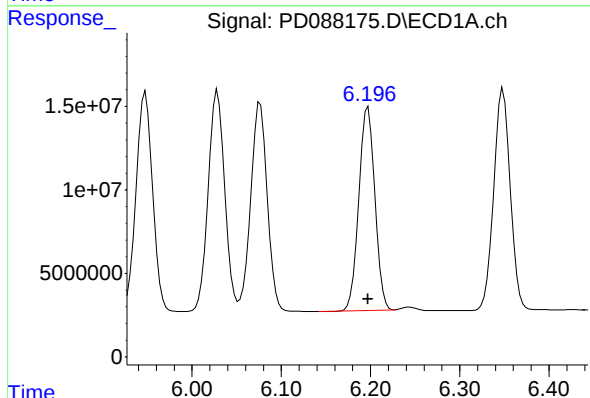
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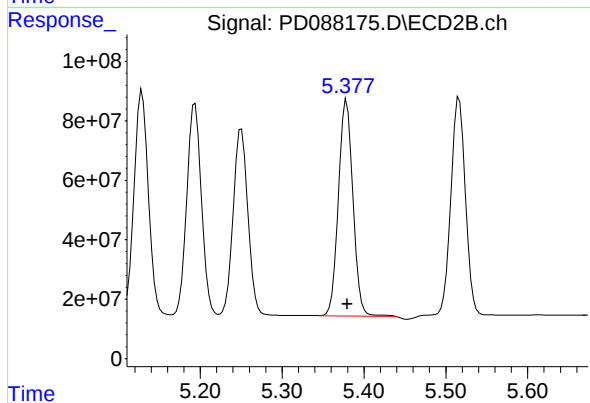
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 892366920
Conc: 45.52 ng/ml



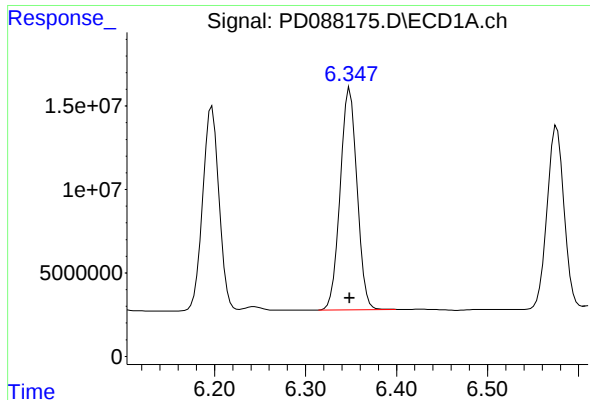
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 151694474
Conc: 45.99 ng/ml



#12 4,4'-DDE

R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 900449336
Conc: 45.72 ng/ml



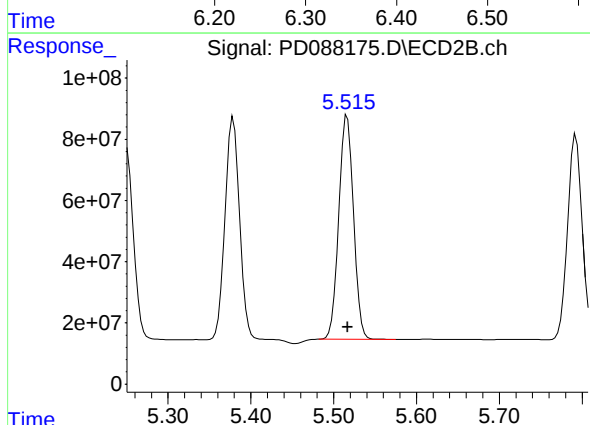
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 171243725
Conc: 47.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

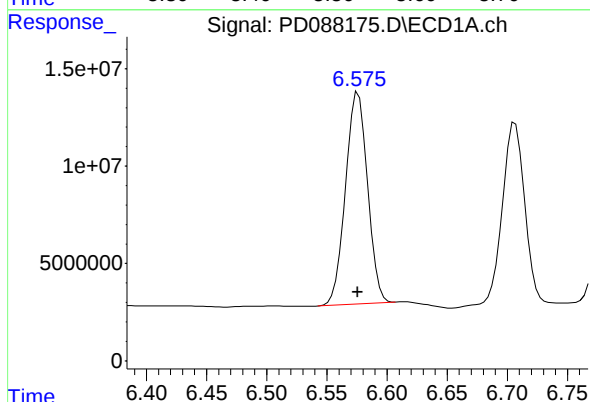
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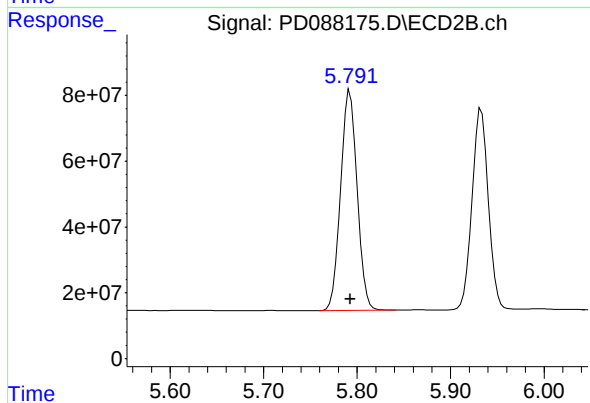
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 904534702
Conc: 45.38 ng/ml



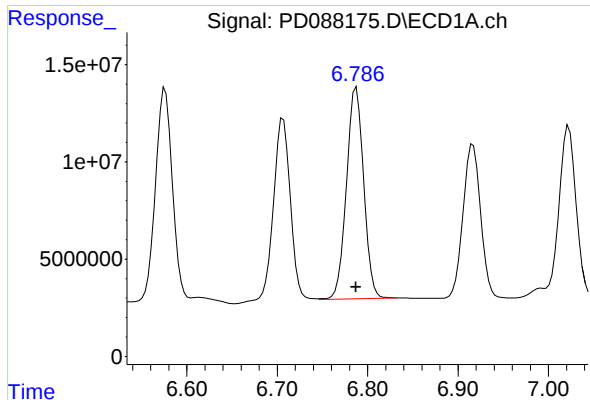
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 139044256
Conc: 46.62 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 822537667
Conc: 45.19 ng/ml



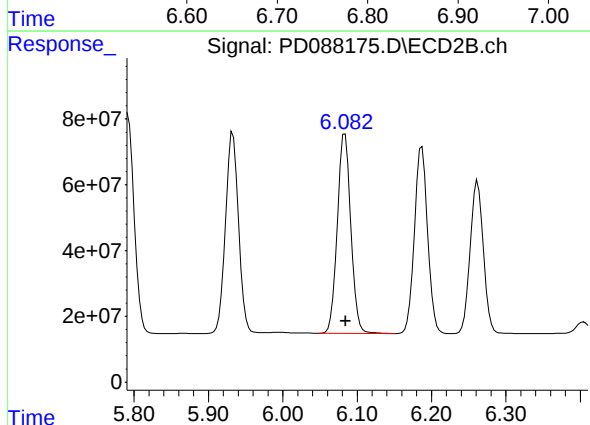
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 143789377
Conc: 45.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

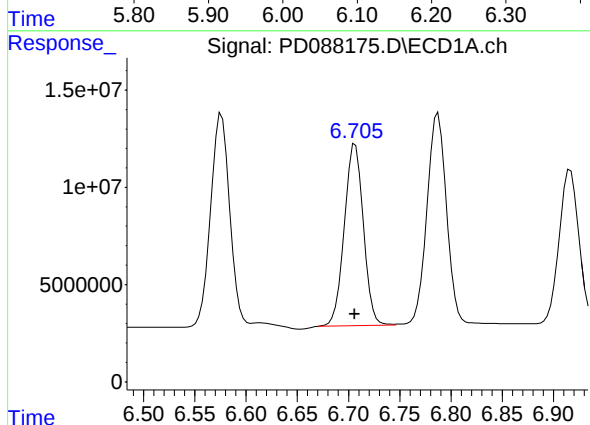
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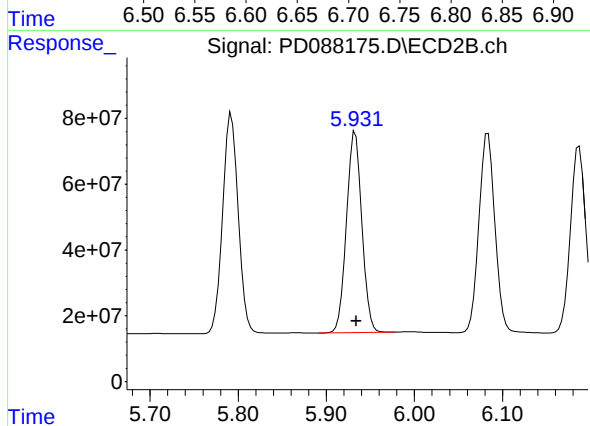
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 765200833
Conc: 43.67 ng/ml



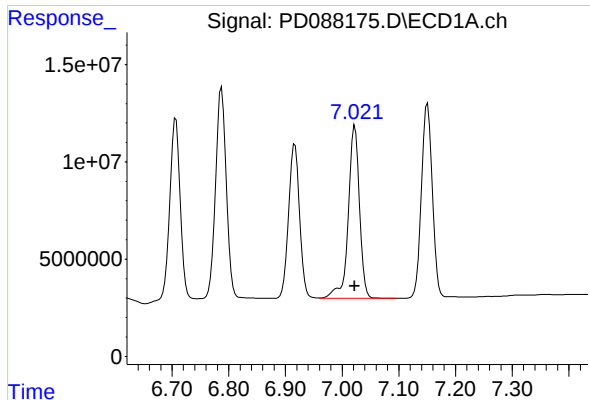
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 120624496
Conc: 47.96 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 741919307
Conc: 45.28 ng/ml



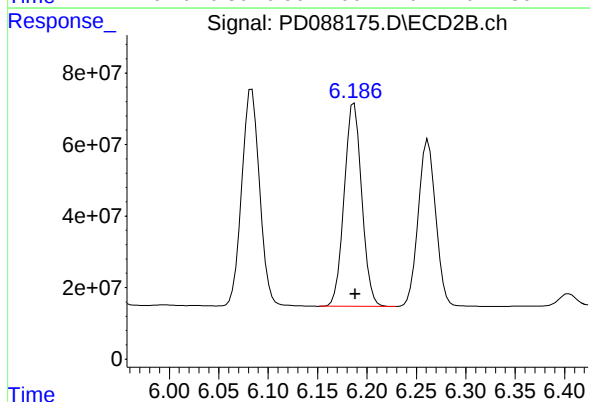
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 122448990
Conc: 44.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

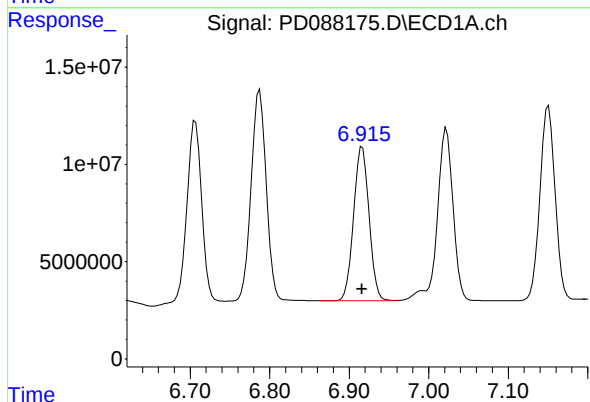
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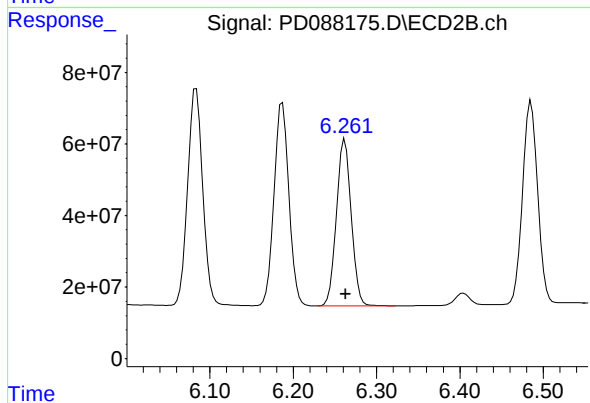
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 701574339
Conc: 41.23 ng/ml



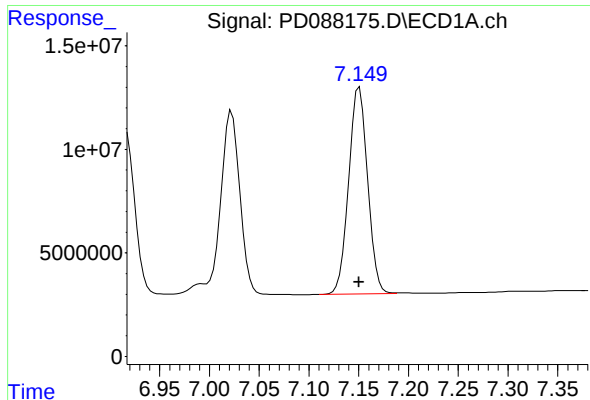
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 107040896
Conc: 46.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 574411068
Conc: 43.19 ng/ml



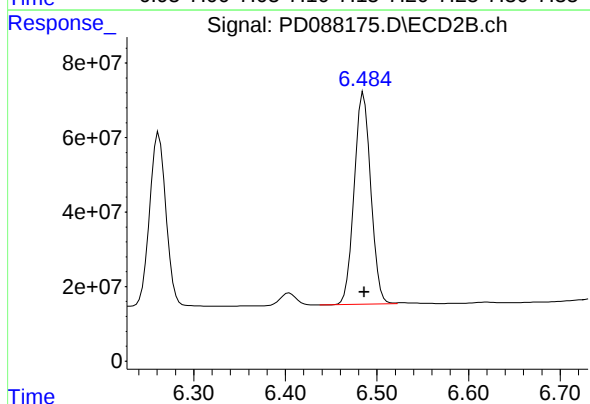
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 132530377
Conc: 46.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

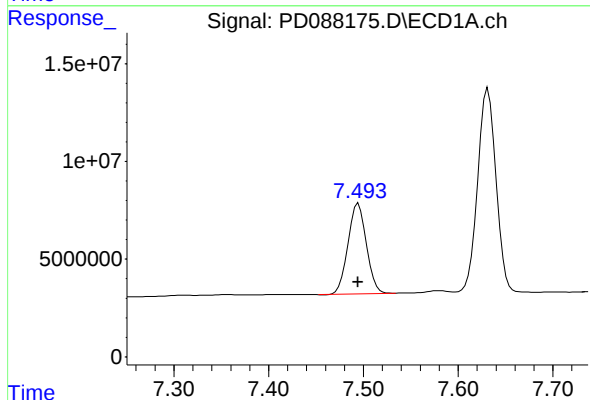
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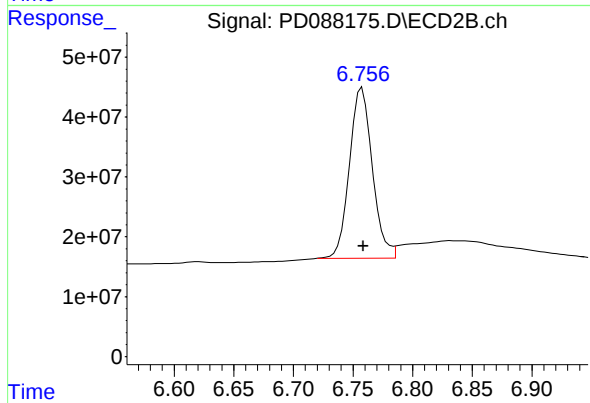
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 717356739
Conc: 41.87 ng/ml



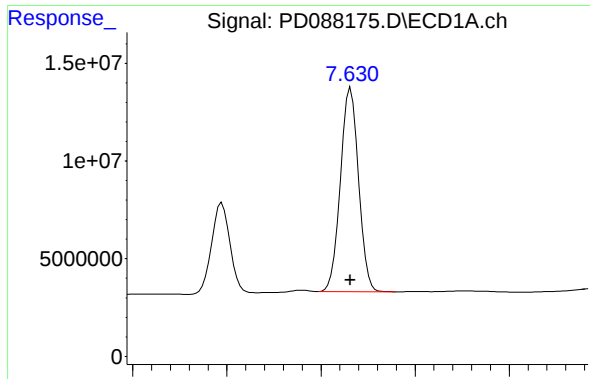
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 62455431
Conc: 41.65 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 381253348
Conc: 41.80 ng/ml



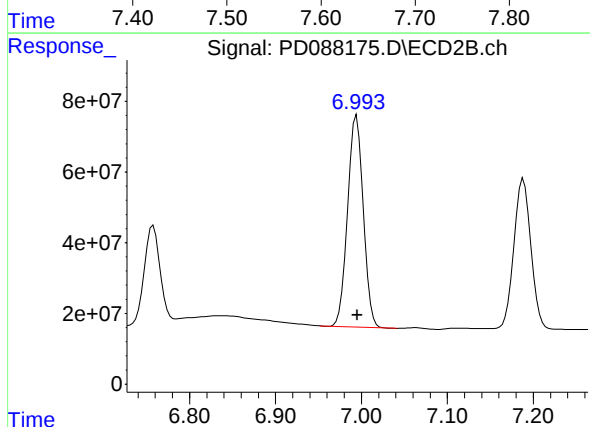
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 139613508
Conc: 45.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

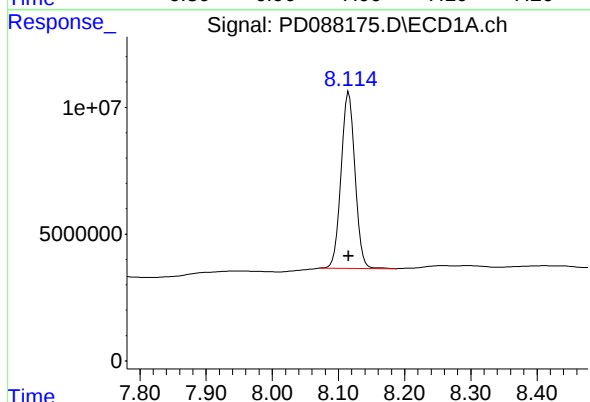
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/22/2025
Supervised By :mohammad ahmed 04/23/2025



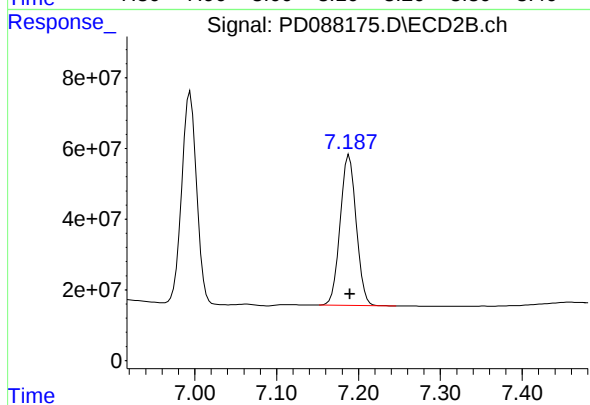
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: 0.000 min
Response: 755632881
Conc: 40.40 ng/ml



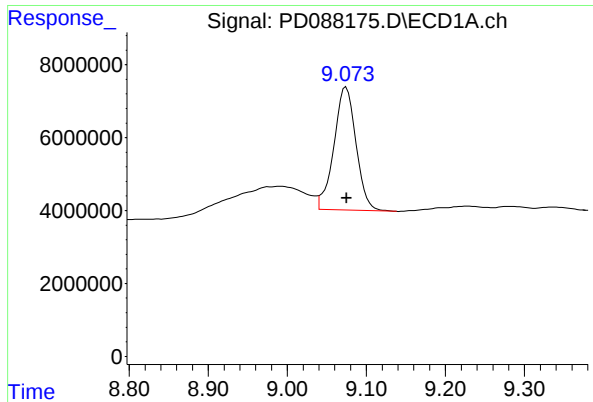
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 102336766
Conc: 43.58 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: -0.001 min
Response: 581938167
Conc: 39.26 ng/ml



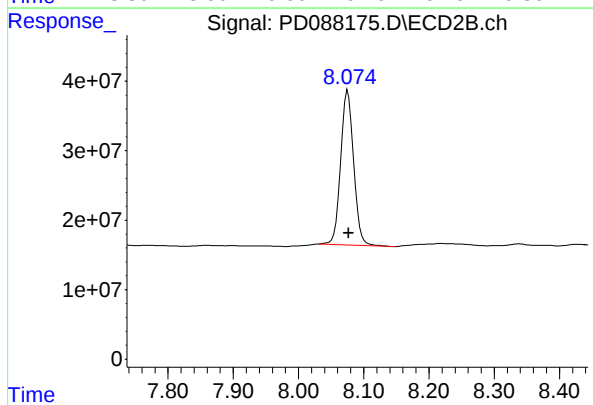
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 65165497
Conc: 19.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167676BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 306609679
Conc: 16.59 ng/ml