

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088515.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 14:22
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 22:41:30 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 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...	3.558	2.882	104.9E6	693.9E6	52.538	47.459
2) SA Decachlor...	9.080	8.076	160.3E6	763.7E6	48.470	41.326
Target Compounds						
2) A alpha-BHC	4.007	3.395	240.0E6	1107.8E6	55.655	48.459
3) MA gamma-BHC...	4.338	3.732	230.5E6	1031.1E6	55.035	47.870
4) MA Heptachlor	4.937	4.086	226.1E6	1016.2E6	55.968	47.489
5) MB Aldrin	5.279	4.370	219.6E6	1003.7E6	55.594	48.248m
6) B beta-BHC	4.523	4.028	88197919	446.0E6	54.330	48.192
7) B delta-BHC	4.771	4.265	233.6E6	1034.6E6	56.622	48.661
8) B Heptachlo...	5.698	4.876	195.6E6	903.0E6	54.730	47.793
9) A Endosulfan I	6.082	5.249	187.2E6	750.2E6	55.444	41.646
10) B gamma-Chl...	5.952	5.129	196.6E6	967.4E6	54.275m	47.663
11) B alpha-Chl...	6.035	5.194	203.7E6	929.1E6	56.447	47.399
12) B 4,4'-DDE	6.203	5.377	172.9E6	935.0E6	52.408	47.477m
13) MA Dieldrin	6.354	5.516	195.7E6	948.4E6	54.837	47.580
14) MA Endrin	6.582	5.792	158.9E6	859.6E6	53.292	47.223
15) B Endosulfa...	6.793	6.084	165.8E6	823.2E6	53.036	46.981
16) A 4,4'-DDD	6.712	5.933	143.9E6	776.3E6	57.225	47.376
17) MA 4,4'-DDT	7.028	6.188	146.0E6	793.8E6	52.550	46.649
18) B Endrin al...	6.922	6.262	118.6E6	597.6E6	51.376	44.930
19) B Endosulfa...	7.156	6.486	152.4E6	783.1E6	53.003	45.708
20) A Methoxychlor	7.500	6.758	76520112	410.7E6	51.029	45.032
21) B Endrin ke...	7.637	6.995	161.9E6	841.9E6	52.446	45.009
22) Mirex	8.120	7.189	119.6E6	647.8E6	50.918	43.707

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

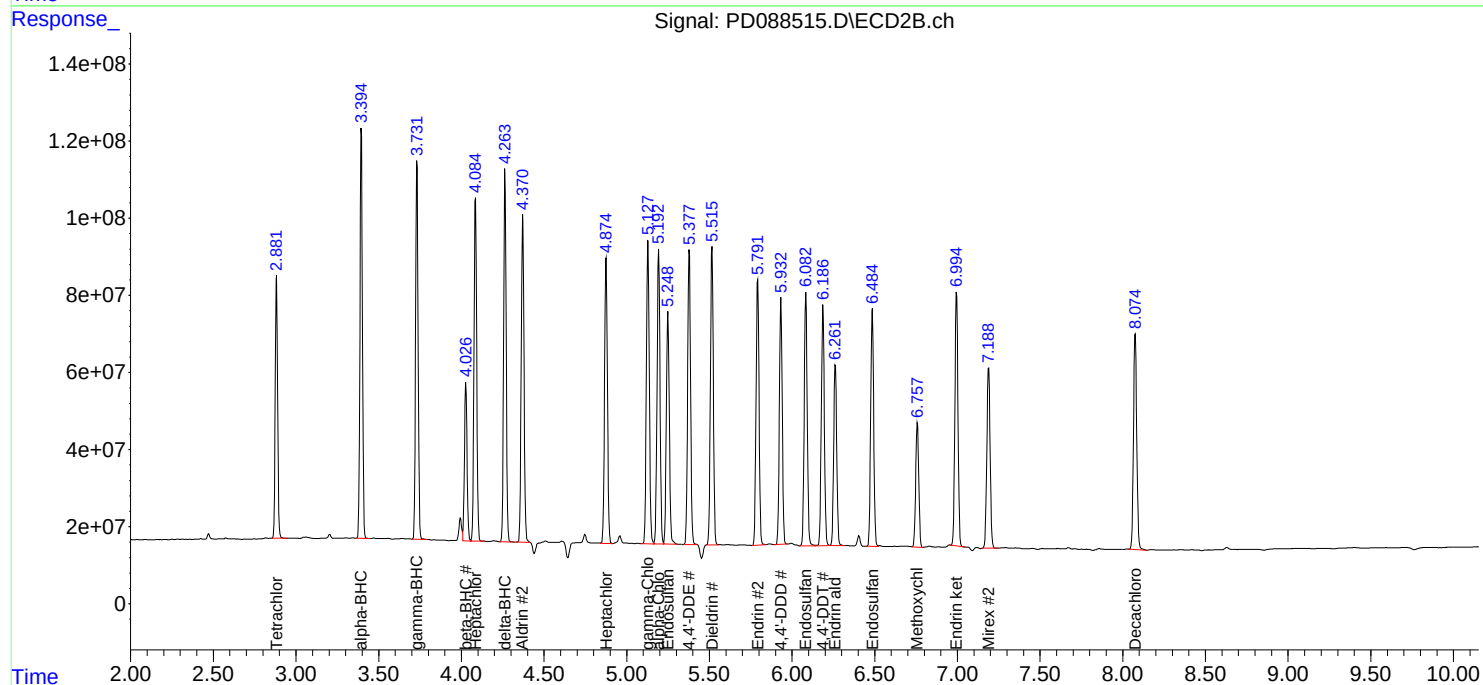
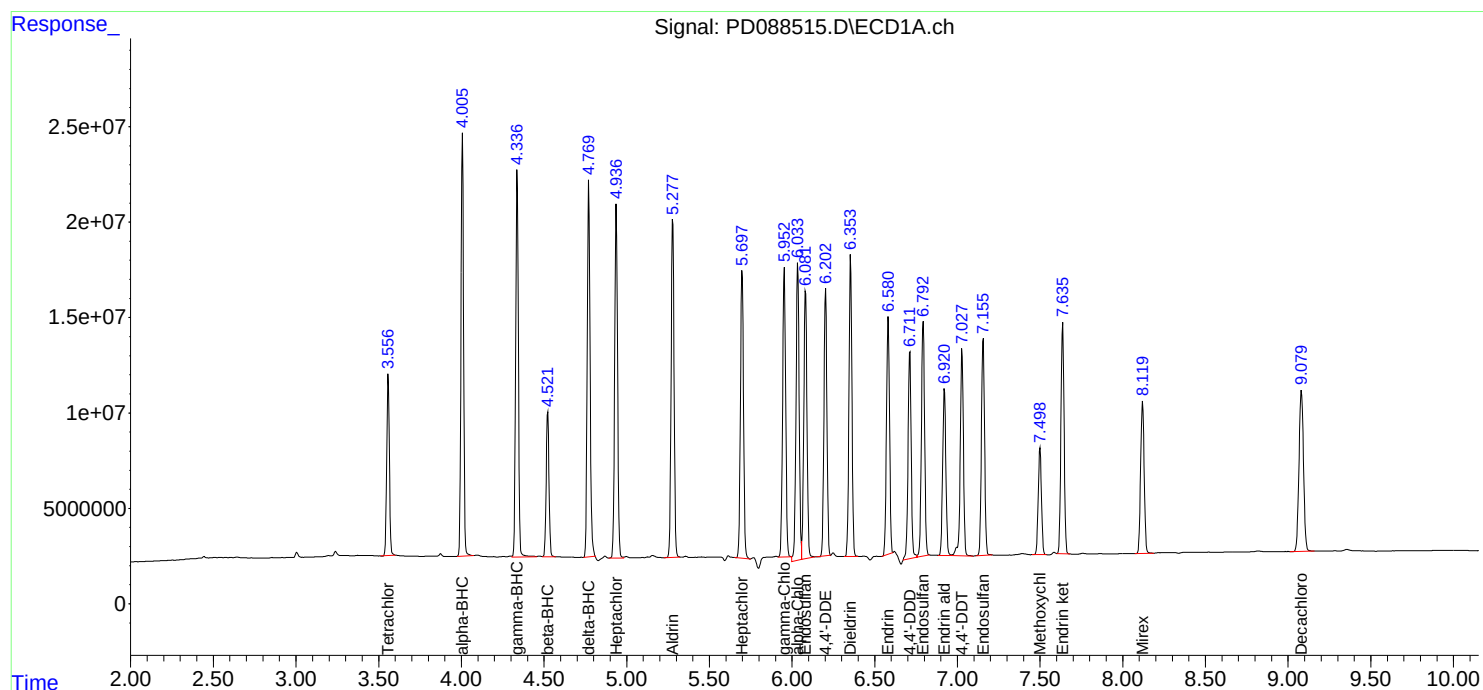
APPROVED

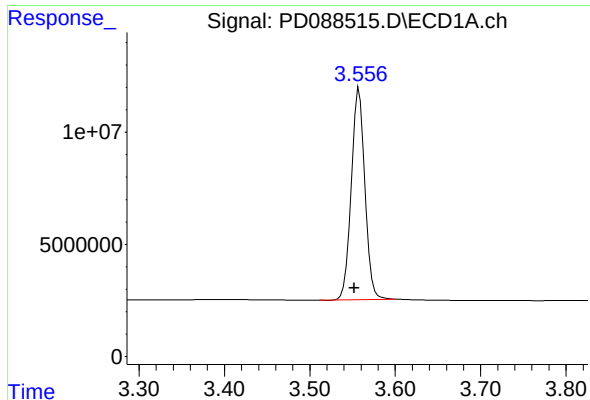
Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:41:30 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 104940191
Conc: 52.54 ng/ml

Instrument :

ECD_D

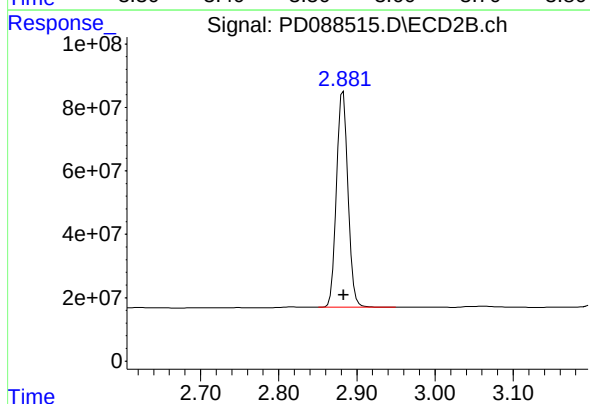
ClientSampleId :

PSTDCCC050

Manual Integrations

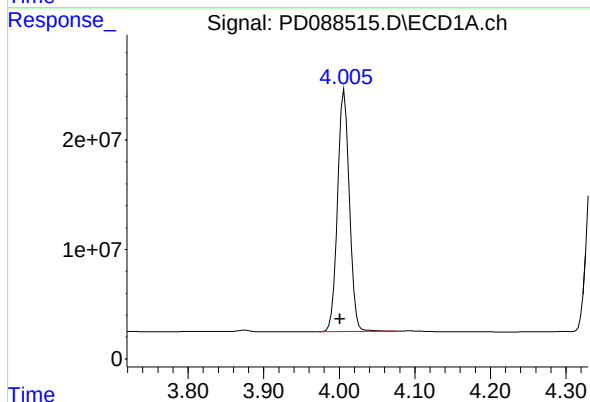
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Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



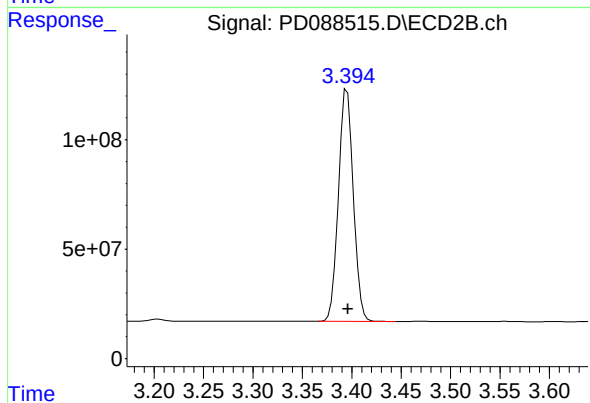
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 693931675
Conc: 47.46 ng/ml



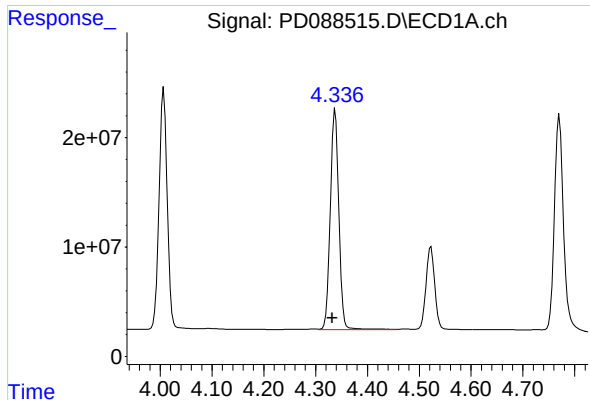
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.006 min
Response: 239982490
Conc: 55.65 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1107842449
Conc: 48.46 ng/ml



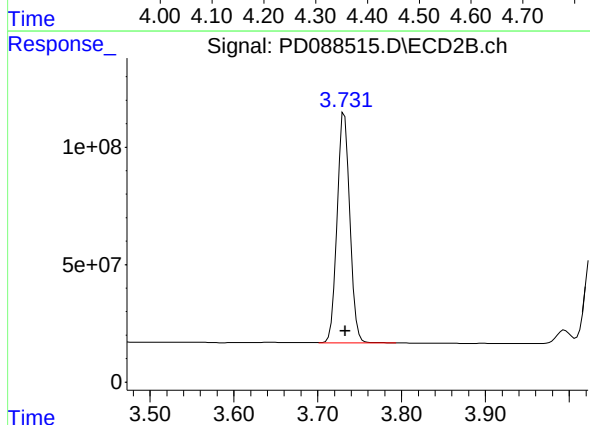
#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.006 min
Response: 230458084
Conc: 55.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

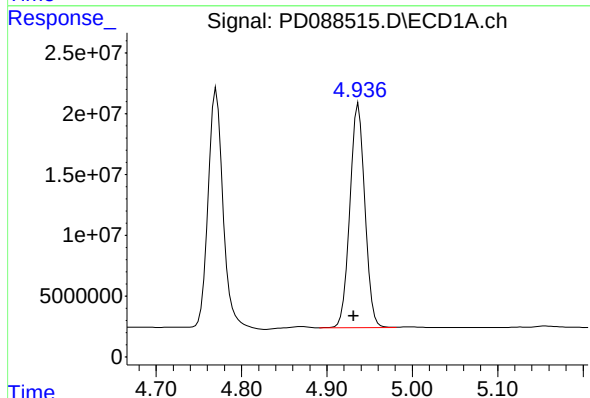
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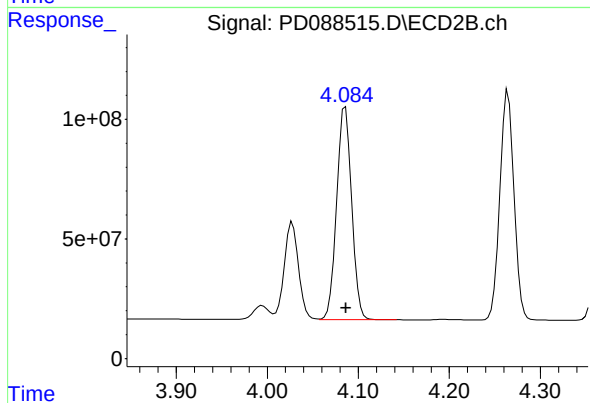
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 1031065499
Conc: 47.87 ng/ml



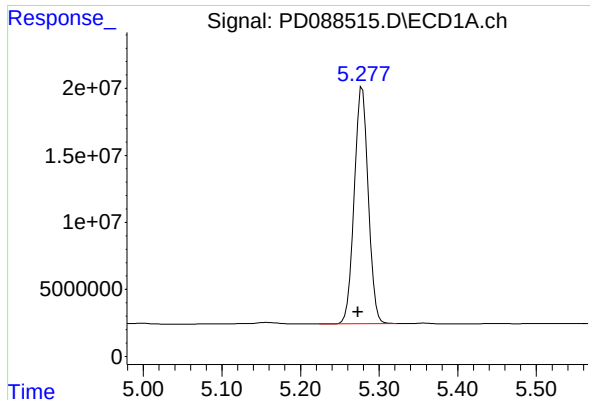
#4 Heptachlor

R.T.: 4.937 min
Delta R.T.: 0.006 min
Response: 226053518
Conc: 55.97 ng/ml



#4 Heptachlor

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 1016174920
Conc: 47.49 ng/ml



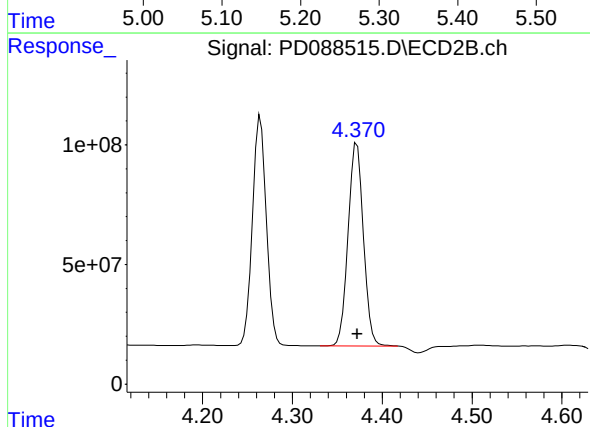
#5 Aldrin

R.T.: 5.279 min
Delta R.T.: 0.005 min
Response: 219574616
Conc: 55.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

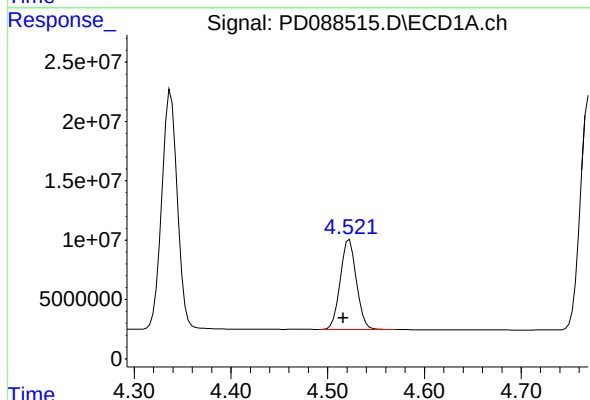
Manual Integrations
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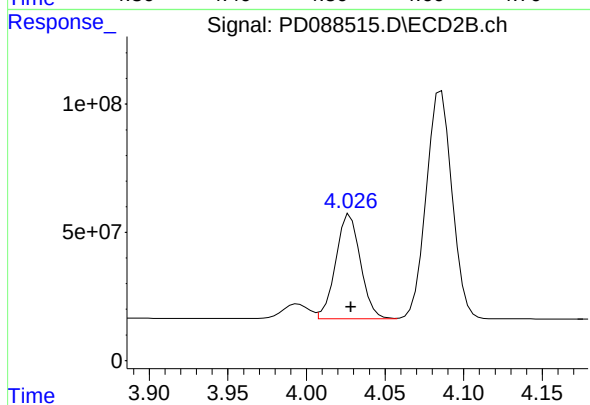
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.002 min
Response: 1003698258
Conc: 48.25 ng/ml m



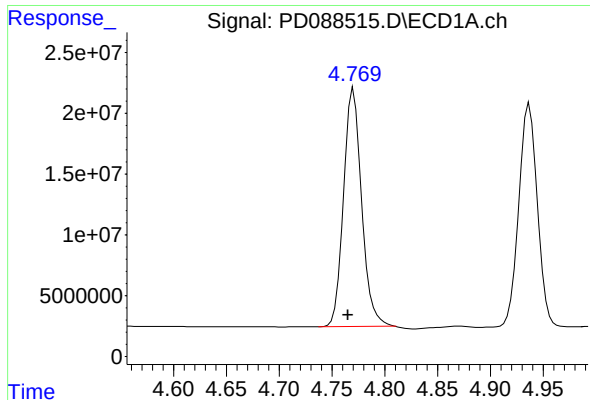
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.006 min
Response: 88197919
Conc: 54.33 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 445976847
Conc: 48.19 ng/ml



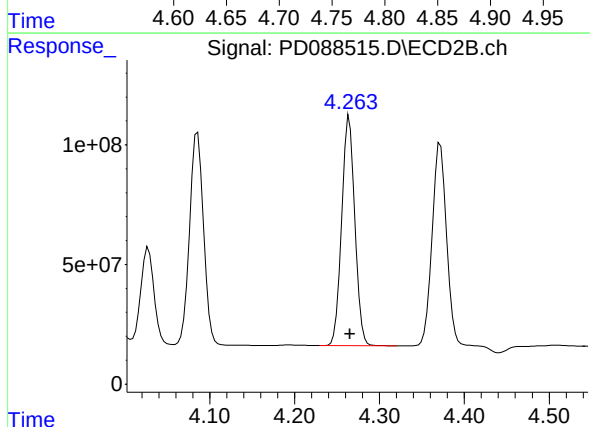
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.005 min
Response: 233562637
Conc: 56.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

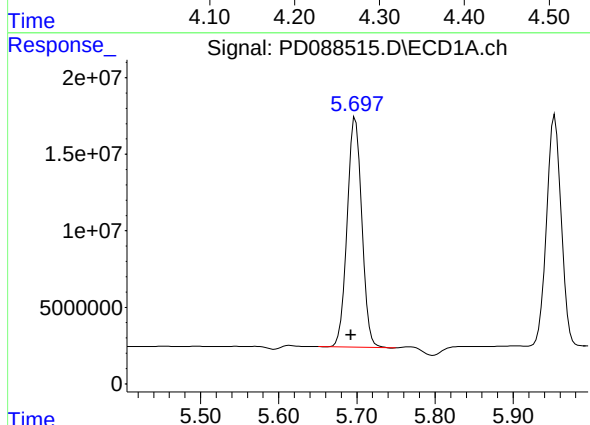
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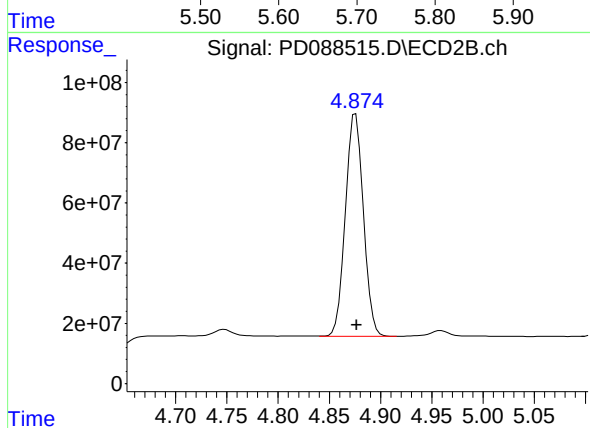
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1034607124
Conc: 48.66 ng/ml



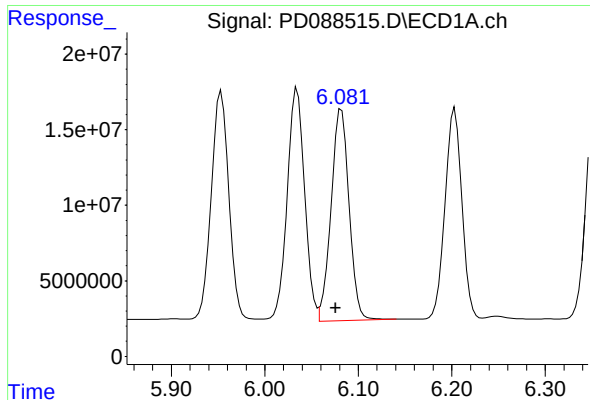
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.006 min
Response: 195600974
Conc: 54.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 903022682
Conc: 47.79 ng/ml



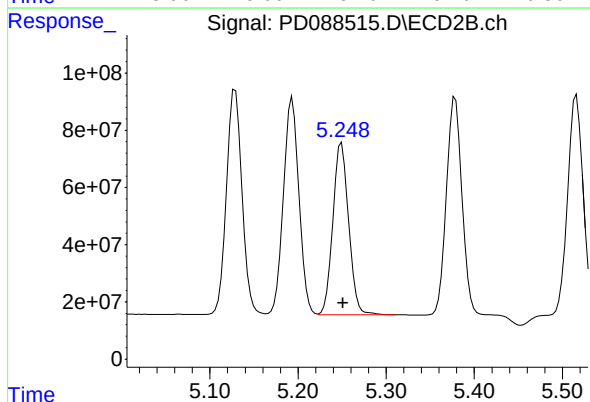
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.006 min
Response: 187241030
Conc: 55.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

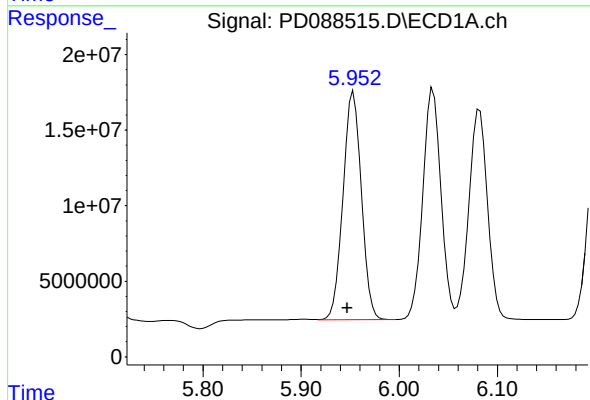
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Supervised By :mohammad ahmed 05/20/2025



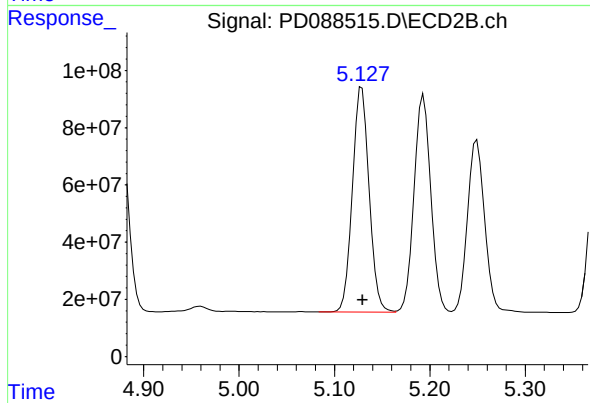
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.002 min
Response: 750153514
Conc: 41.65 ng/ml



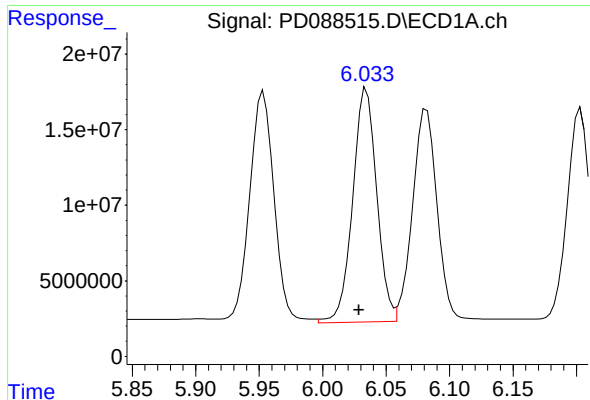
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.005 min
Response: 196588001
Conc: 54.28 ng/ml m



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 967373109
Conc: 47.66 ng/ml



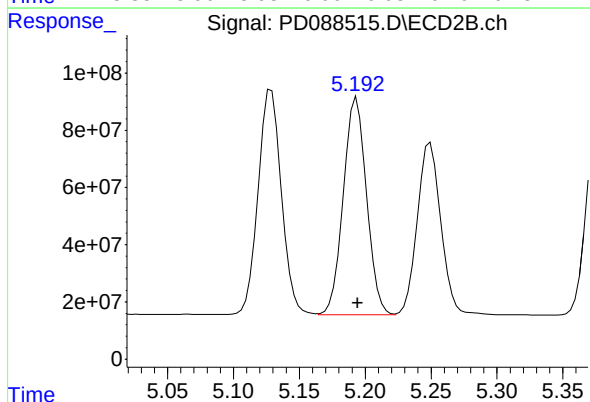
#11 alpha-Chlordane

R.T.: 6.035 min
Delta R.T.: 0.006 min
Response: 203749550
Conc: 56.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

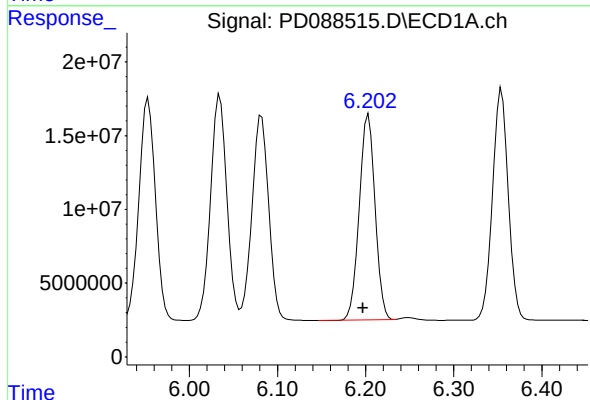
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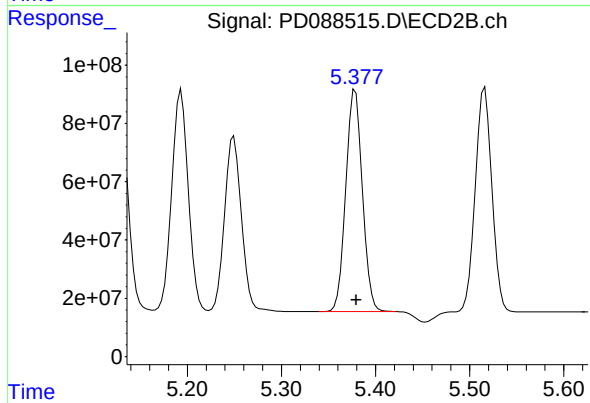
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 929143309
Conc: 47.40 ng/ml



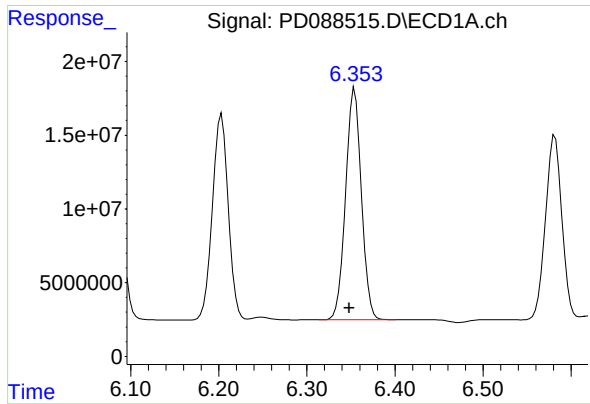
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.006 min
Response: 172855894
Conc: 52.41 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 935015400
Conc: 47.48 ng/ml m



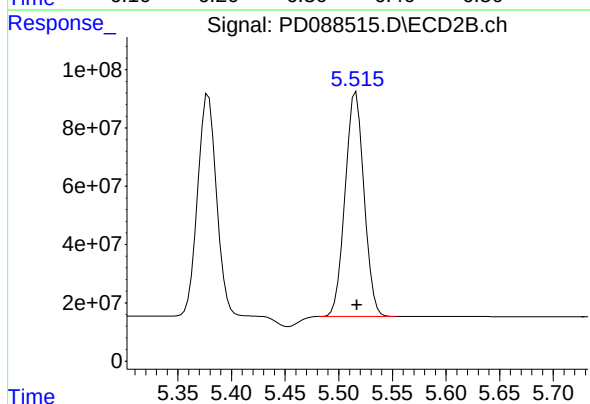
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.006 min
Response: 195686047
Conc: 54.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

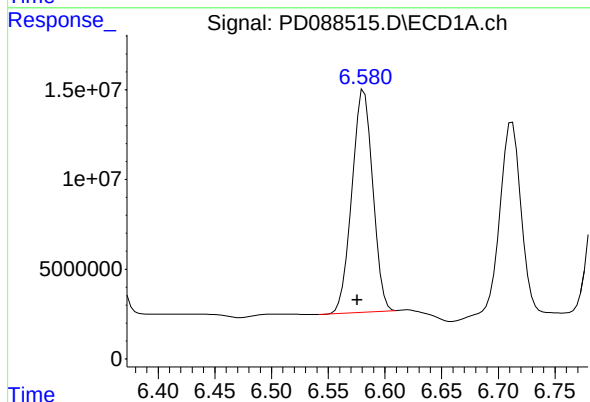
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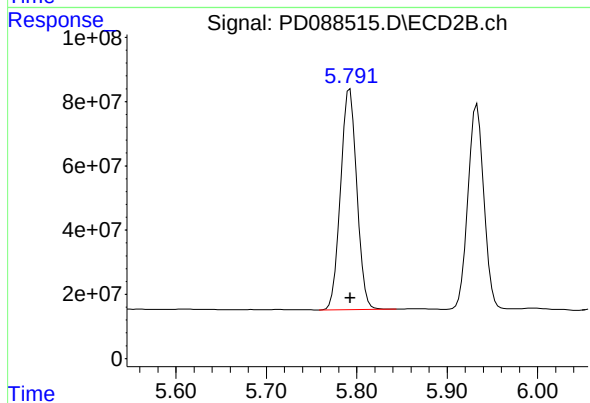
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 948411689
Conc: 47.58 ng/ml



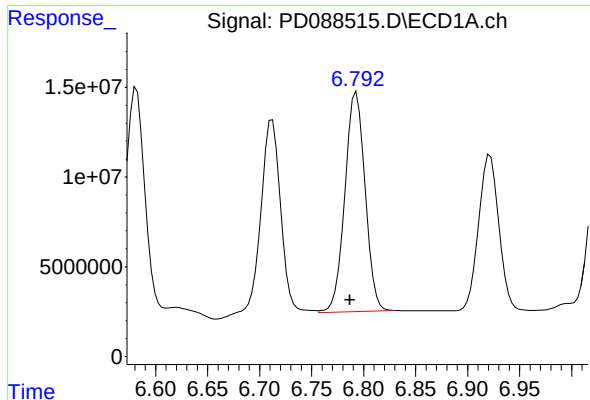
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.006 min
Response: 158946827
Conc: 53.29 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 859561740
Conc: 47.22 ng/ml



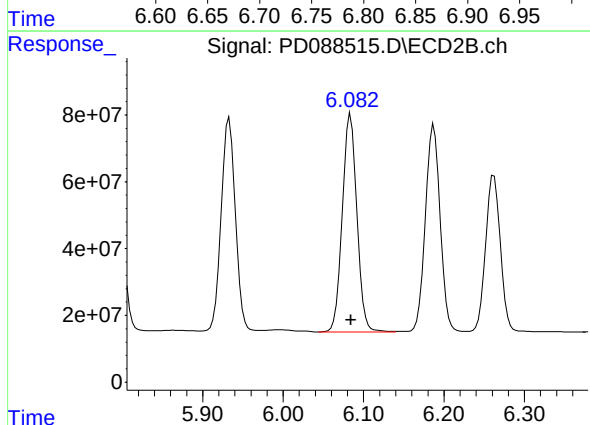
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.006 min
Response: 165801602
Conc: 53.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

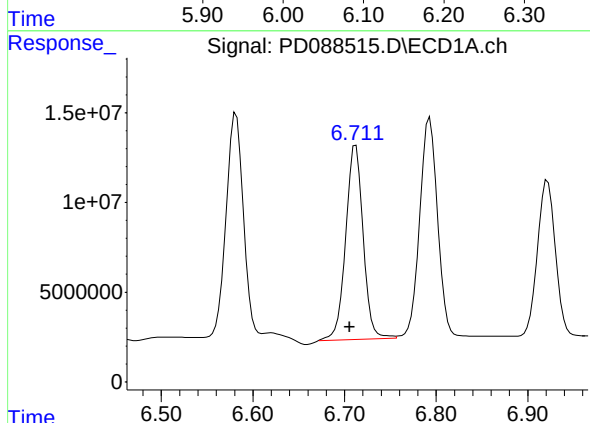
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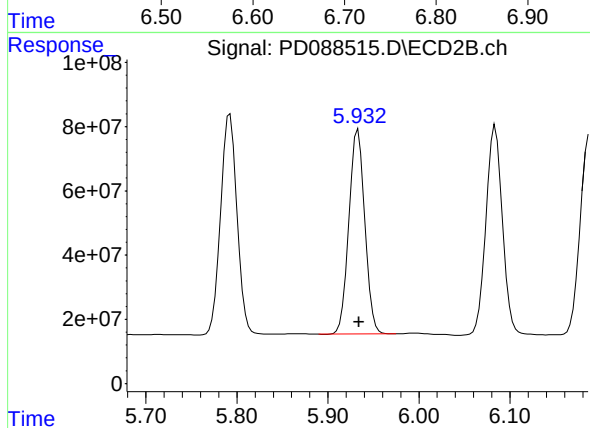
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 823180604
Conc: 46.98 ng/ml



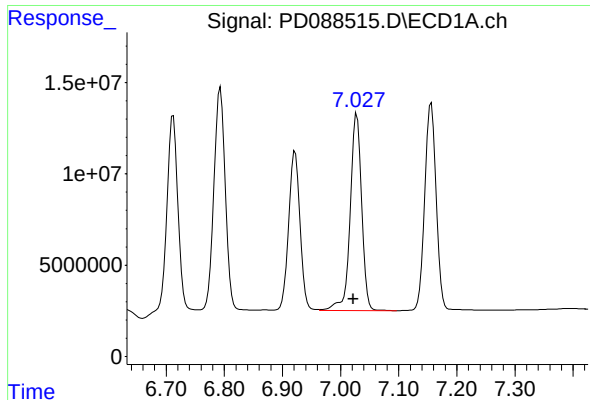
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.006 min
Response: 143919348
Conc: 57.23 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 776308080
Conc: 47.38 ng/ml



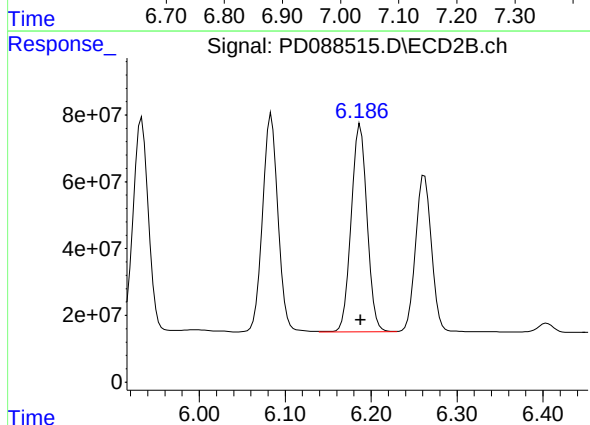
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.006 min
Response: 145961065
Conc: 52.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

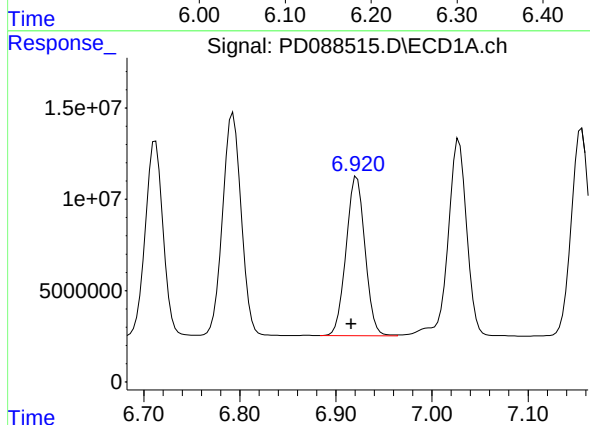
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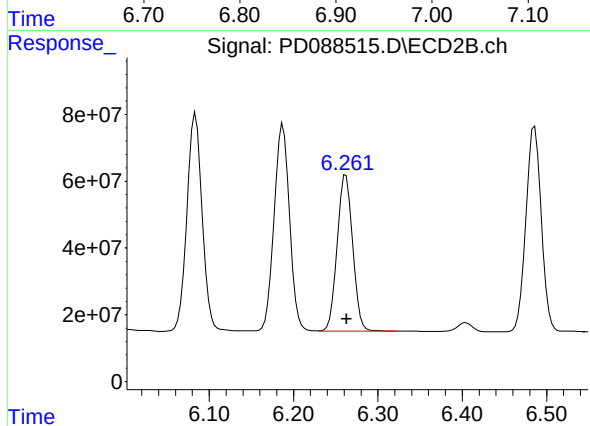
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 793804693
Conc: 46.65 ng/ml



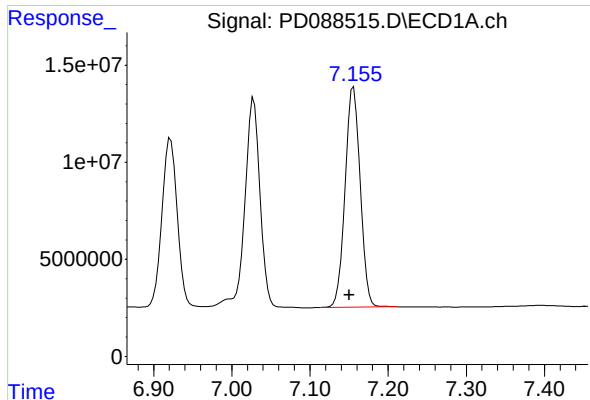
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.006 min
Response: 118575172
Conc: 51.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 597608482
Conc: 44.93 ng/ml



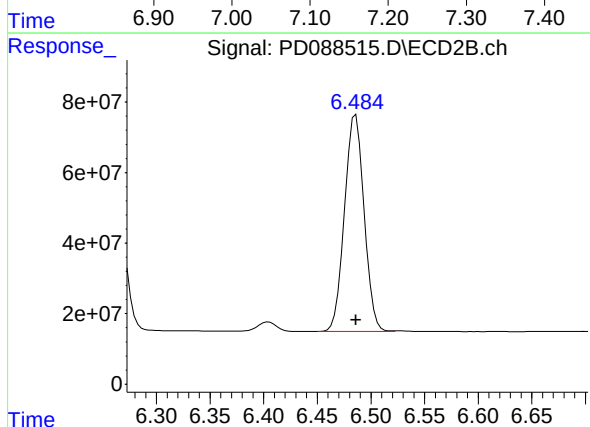
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.006 min
Response: 152429289
Conc: 53.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

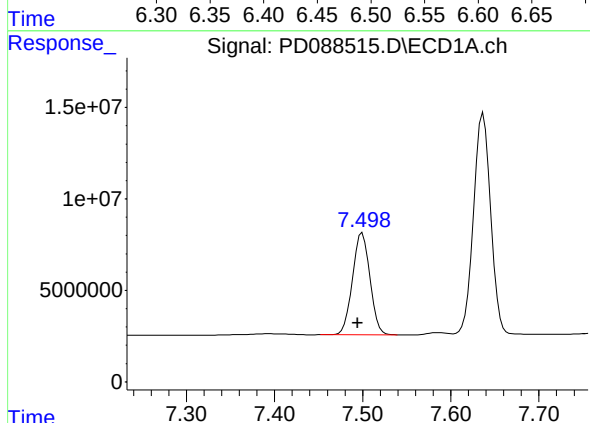
Manual Integrations
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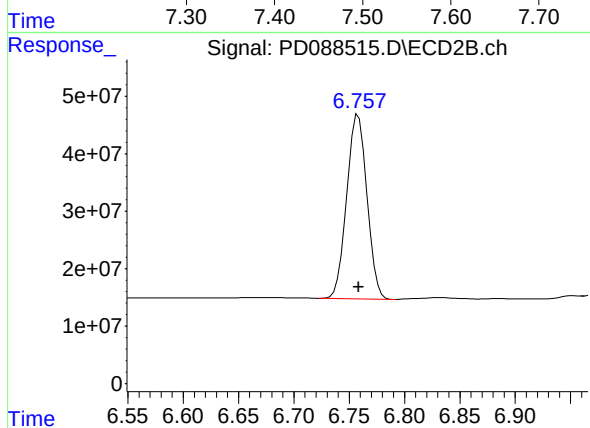
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 783120859
Conc: 45.71 ng/ml



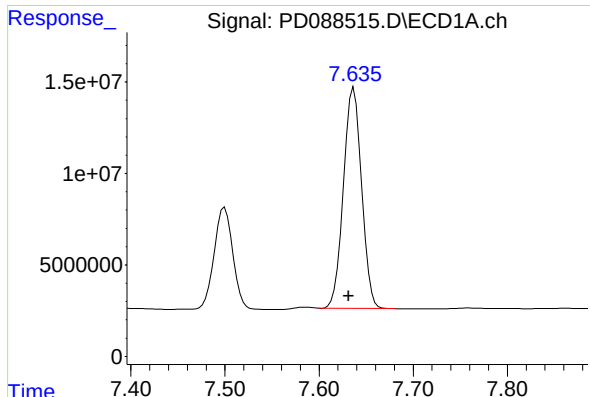
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.005 min
Response: 76520112
Conc: 51.03 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 410742627
Conc: 45.03 ng/ml



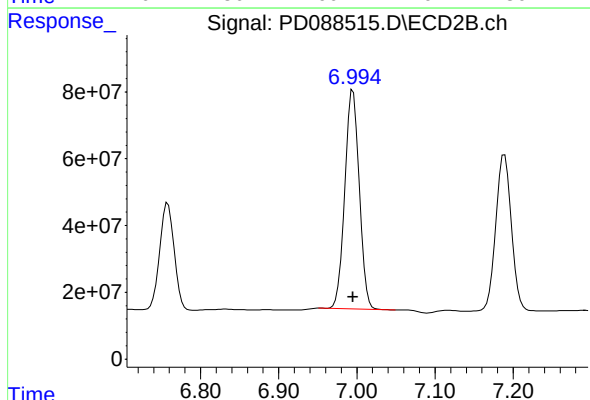
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.006 min
Response: 161880001
Conc: 52.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

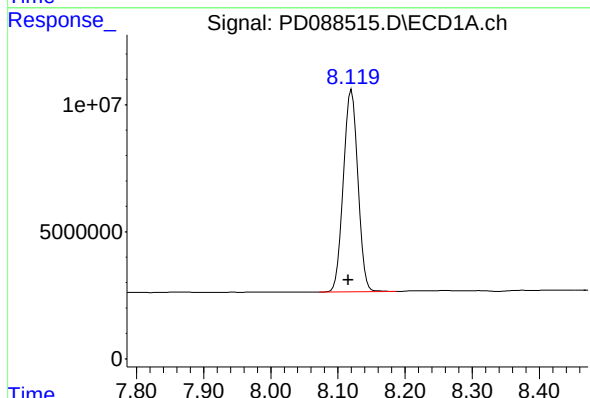
Manual Integrations
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Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



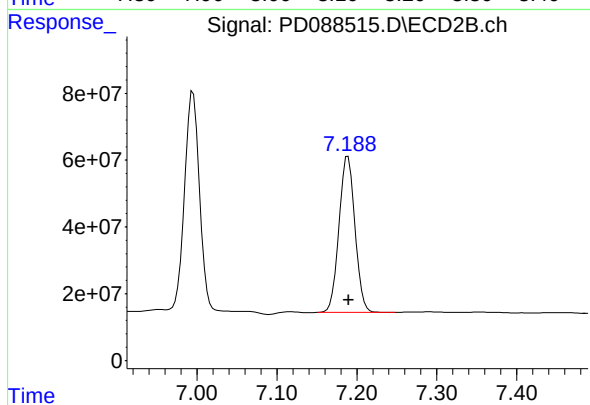
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 841859013
Conc: 45.01 ng/ml



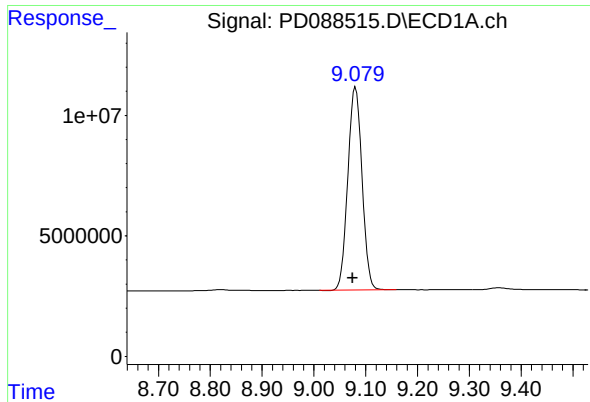
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 119572705
Conc: 50.92 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 647776319
Conc: 43.71 ng/ml



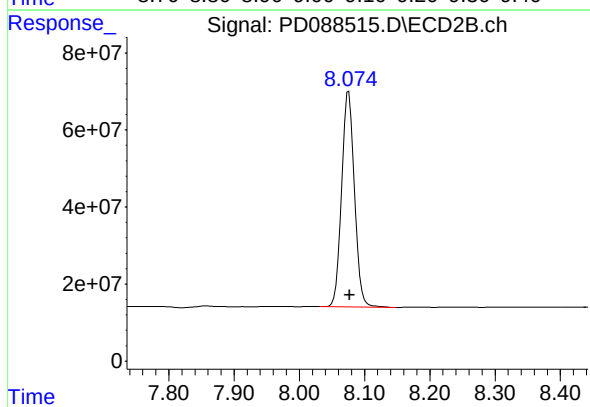
#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.005 min
Response: 160345042
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 763686218
Conc: 41.33 ng/ml