

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042225\
 Data File : PD088202.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Apr 2025 11:41
 Operator : AR\AJ
 Sample : Q1842-07MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PL-714-COMP-09MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/23/2025
 Supervised By : mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 01:16:22 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	23406117	179.7E6	11.718	12.290
28) SA Decachlor...	9.077	8.077	33444948	180.1E6	10.110	9.745
Target Compounds						
2) A alpha-BHC	4.001	3.396	203.4E6	1020.1E6	47.175	44.622
3) MA gamma-BHC...	4.332	3.732	198.8E6	935.0E6	47.464	43.410
4) MA Heptachlor	4.931	4.086	182.4E6	920.0E6	45.172	42.994
5) MB Aldrin	5.273	4.372	185.0E6	906.6E6	46.840	43.581
6) B beta-BHC	4.517	4.028	69133458	433.1E6	42.586	46.804
7) B delta-BHC	4.765	4.265	193.3E6	935.2E6	46.860	43.983
8) B Heptachlo...	5.693	4.876	163.3E6	823.0E6	45.690	43.559
9) A Endosulfan I	6.076	5.251	159.7E6	724.0E6	47.301	40.195
10) B gamma-Chl...	5.948	5.129	165.7E6	893.3E6	45.747	44.015
11) B alpha-Chl...	6.029	5.194	164.5E6	863.0E6	45.568	44.022
12) B 4,4'-DDE	6.198	5.378	149.7E6	915.1E6	45.377	46.468m
13) MA Dieldrin	6.349	5.517	162.3E6	892.1E6	45.494	44.756
14) MA Endrin	6.576	5.792	130.8E6	779.7E6	43.860	42.837
15) B Endosulfa...	6.788	6.084	136.1E6	741.1E6	43.519	42.297
16) A 4,4'-DDD	6.707	5.933	115.3E6	662.4E6	45.831	40.426
17) MA 4,4'-DDT	7.021	6.186	117.2E6	700.5E6	42.194m	41.168
18) B Endrin al...	6.916	6.261	98917122	521.4E6	42.859	39.203
19) B Endosulfa...	7.151	6.485	126.2E6	709.7E6	43.889	41.420
20) A Methoxychlor	7.493	6.758	60382622	346.9E6	40.267m	38.035
21) B Endrin ke...	7.632	6.995	133.1E6	716.1E6	43.129	38.288
22) Mirex	8.114	7.189	103.7E6	558.9E6	44.139m	37.708

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042225\
Data File : PD088202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:41
Operator : AR\AJ
Sample : Q1842-07MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

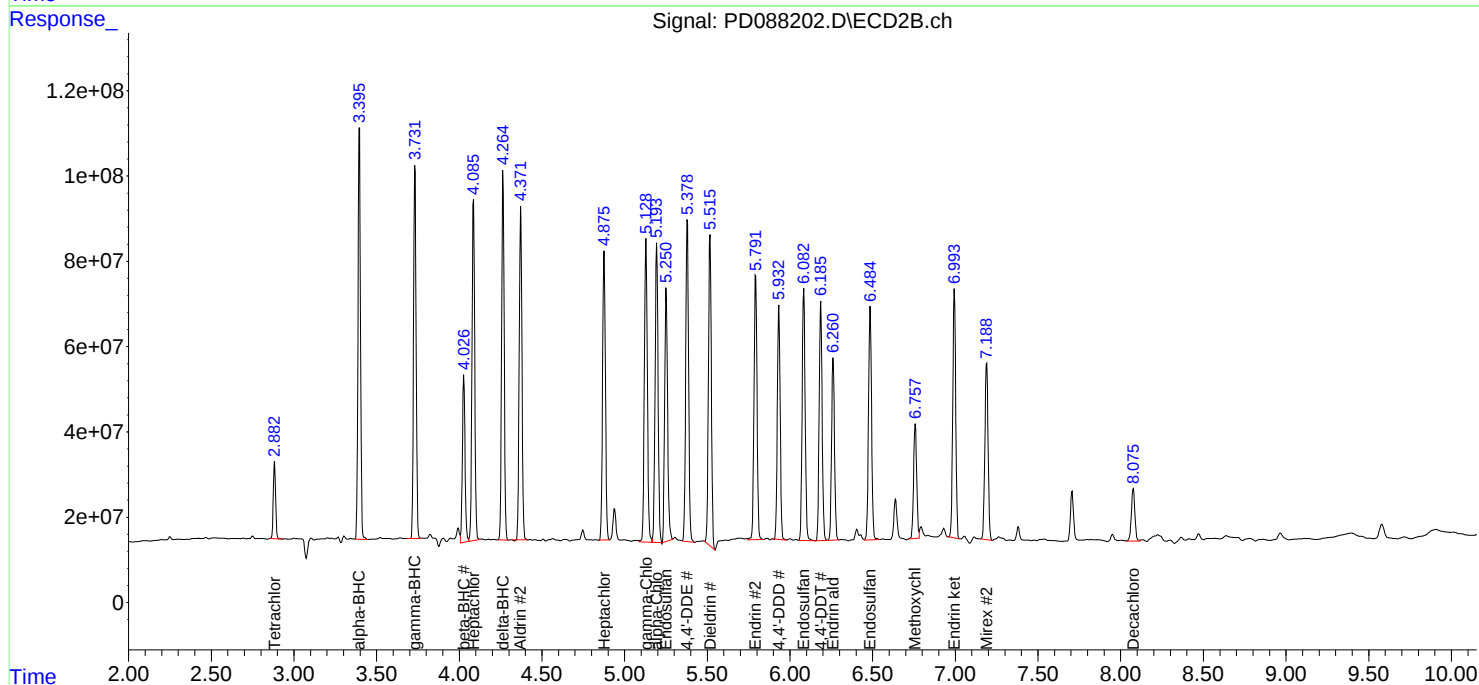
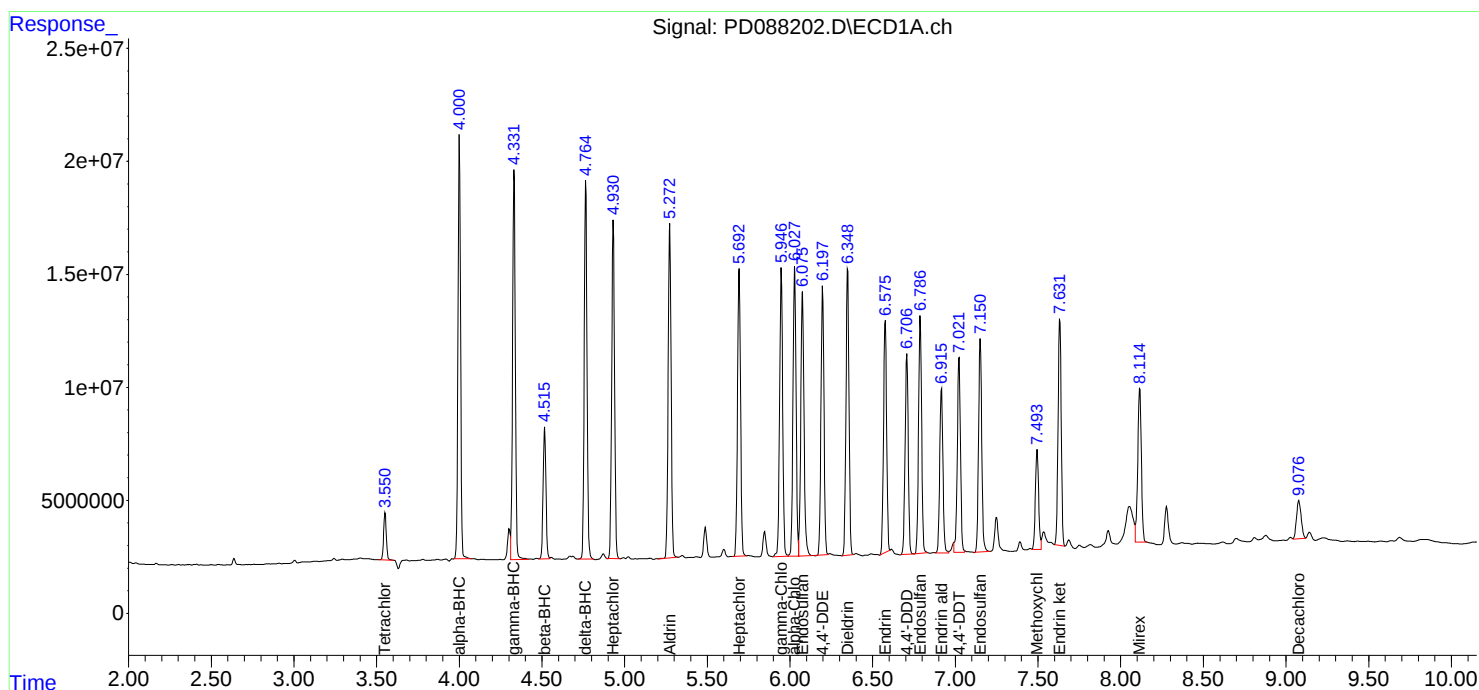
Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

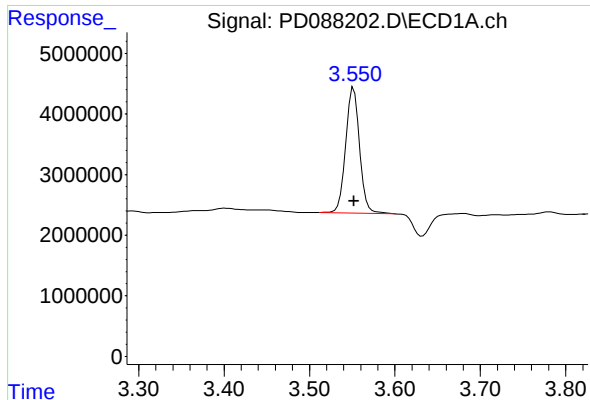
Manual Integrations
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Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 01:16:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
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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





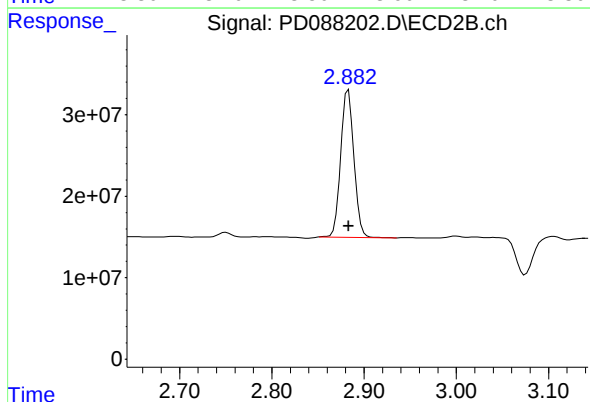
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 23406117
Conc: 11.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

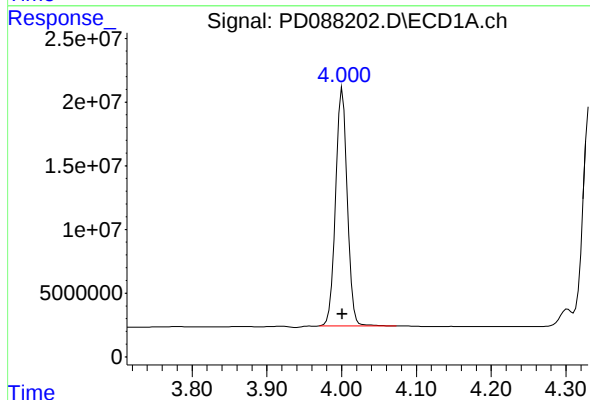
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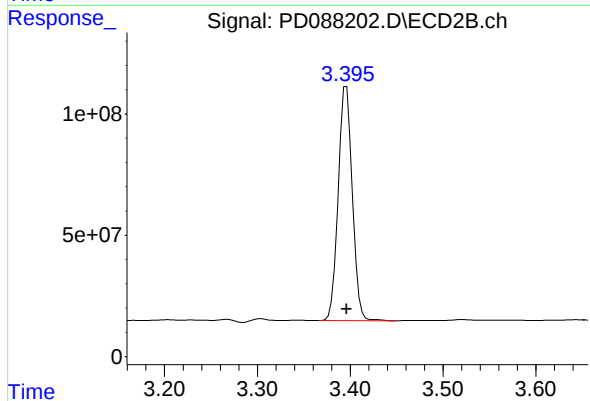
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 179694533
Conc: 12.29 ng/ml



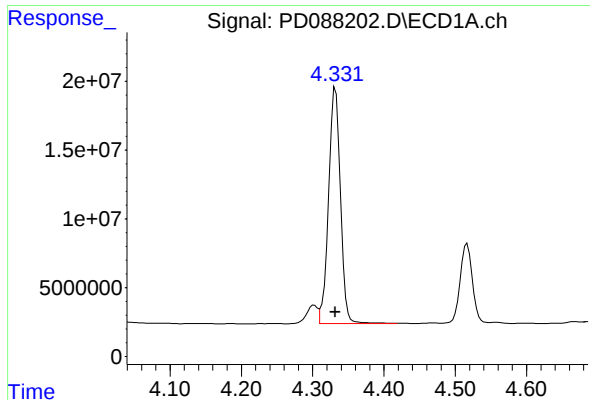
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 203420417
Conc: 47.18 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 1020132700
Conc: 44.62 ng/ml



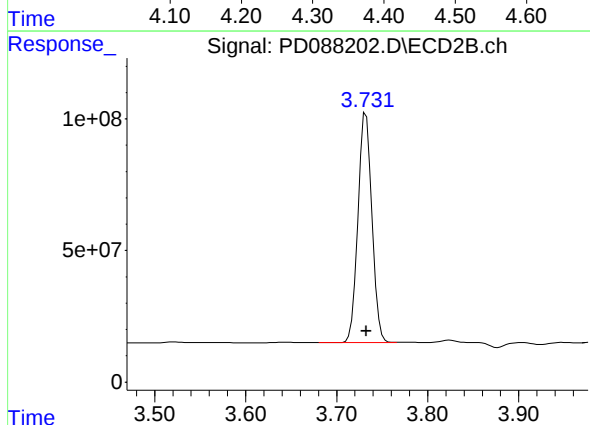
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 198756282
Conc: 47.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

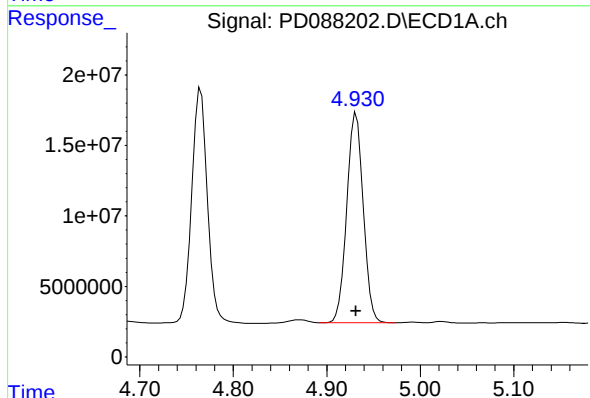
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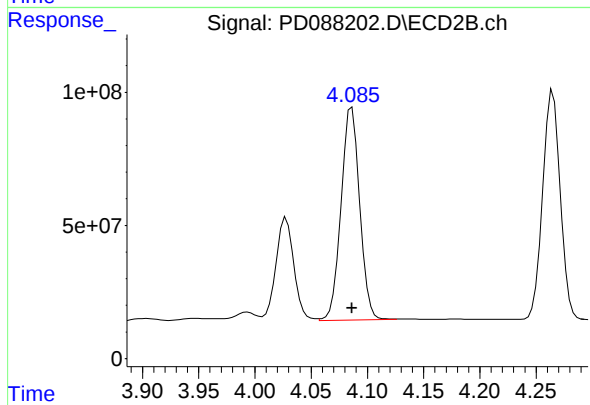
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 934986282
Conc: 43.41 ng/ml



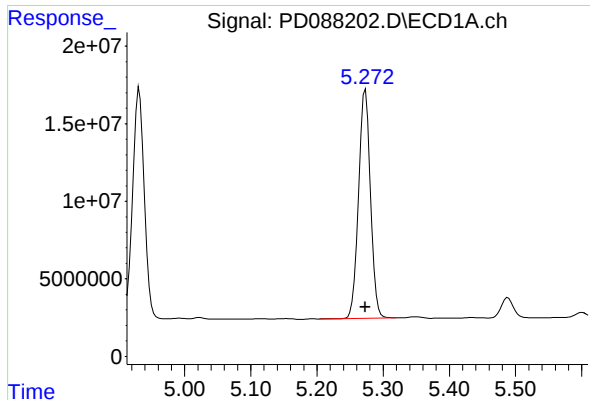
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 182448514
Conc: 45.17 ng/ml



#4 Heptachlor

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 920002259
Conc: 42.99 ng/ml



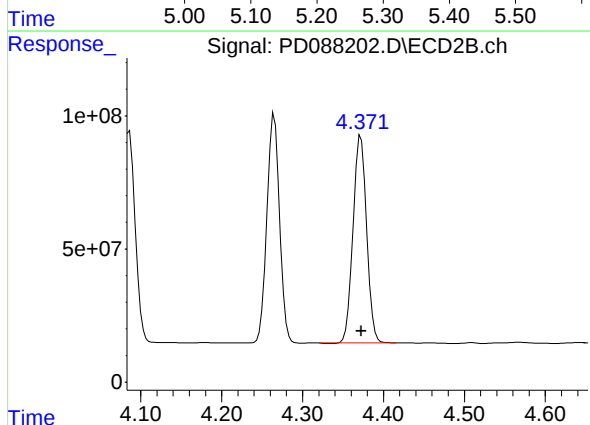
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 184997918
Conc: 46.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
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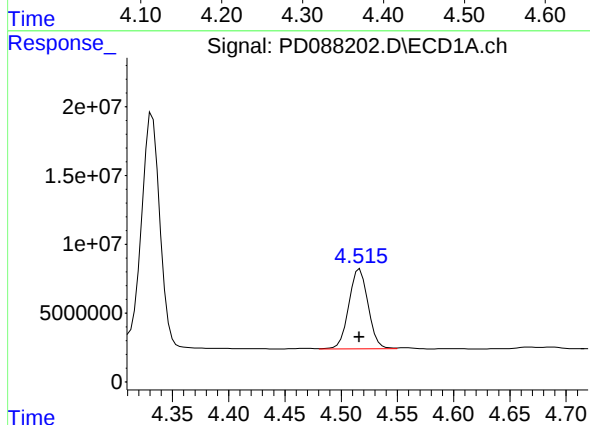
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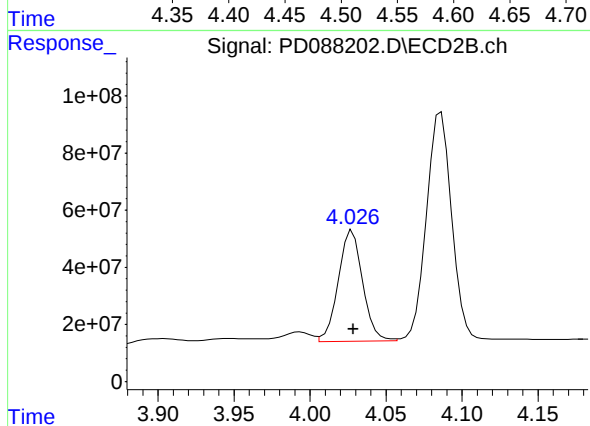
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 906596326
Conc: 43.58 ng/ml



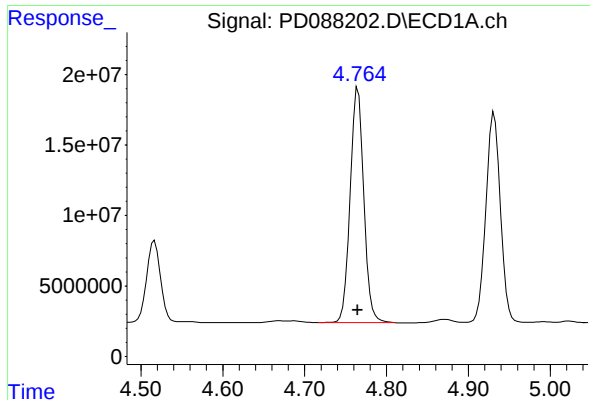
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 69133458
Conc: 42.59 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 433131826
Conc: 46.80 ng/ml



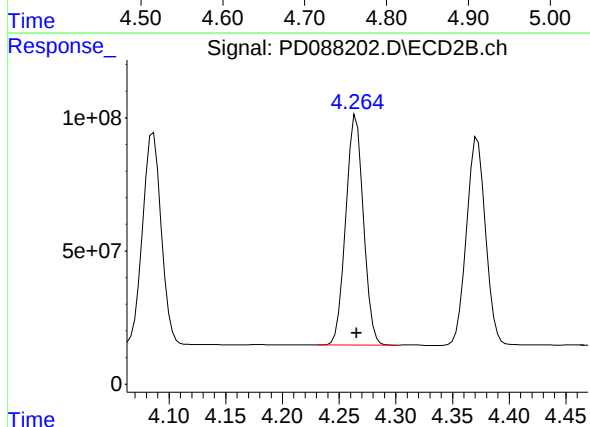
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 193298223
Conc: 46.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

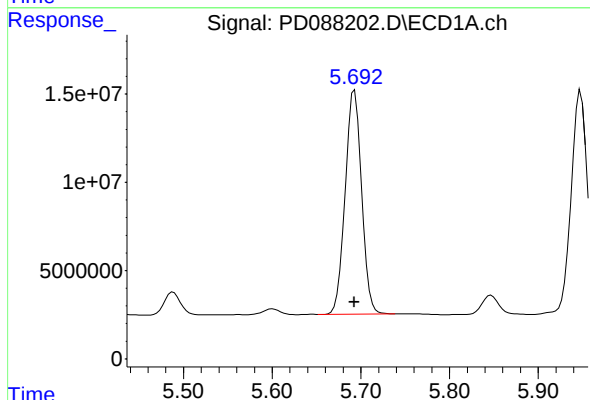
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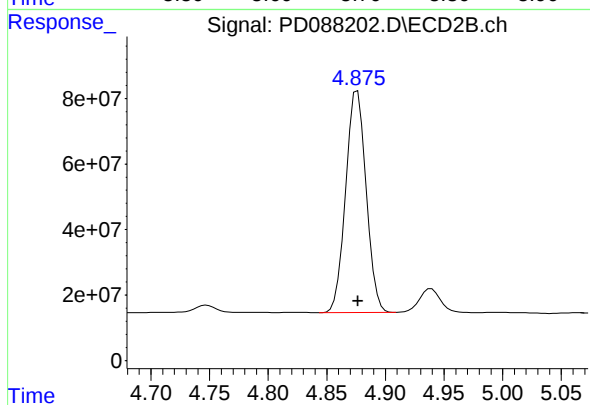
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 935153486
Conc: 43.98 ng/ml



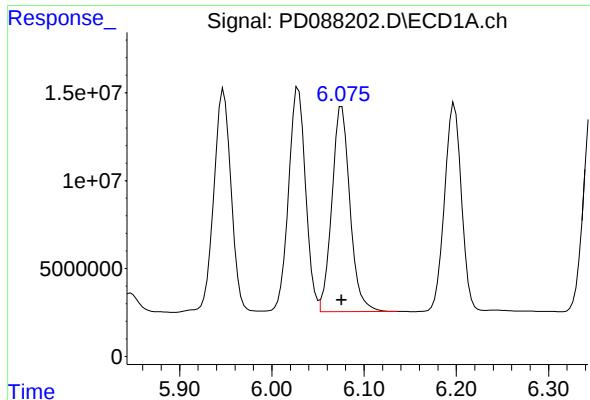
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 163292753
Conc: 45.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 823009879
Conc: 43.56 ng/ml



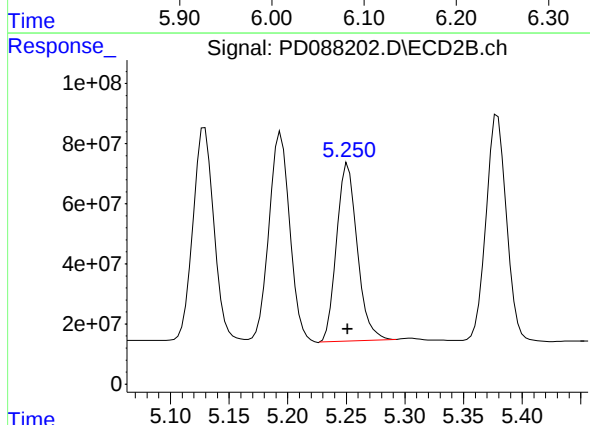
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 159742060
Conc: 47.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

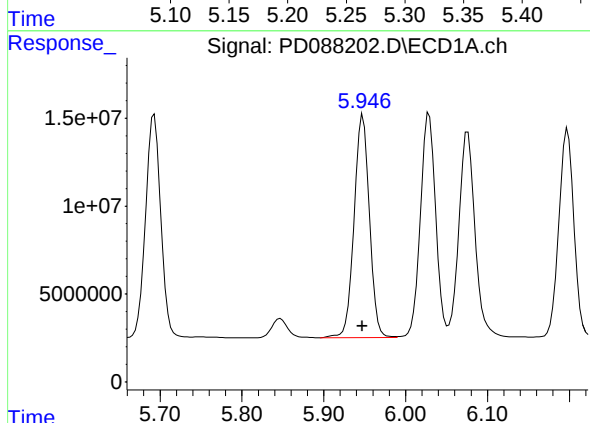
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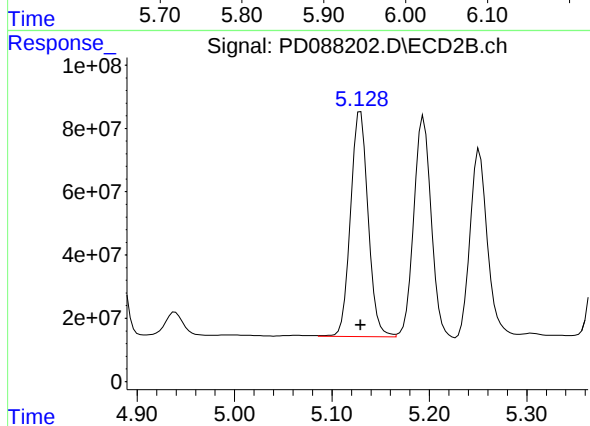
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 724004931
Conc: 40.19 ng/ml



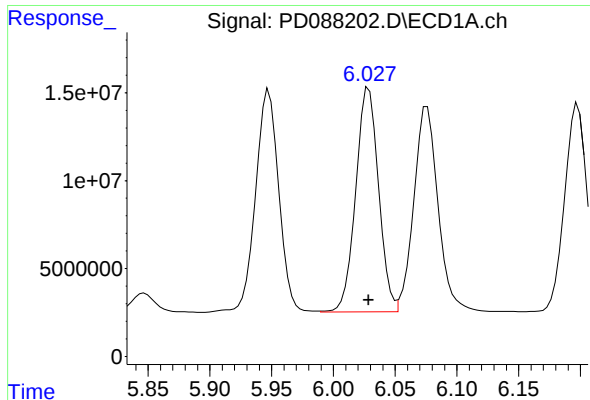
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 165698074
Conc: 45.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 893322921
Conc: 44.01 ng/ml



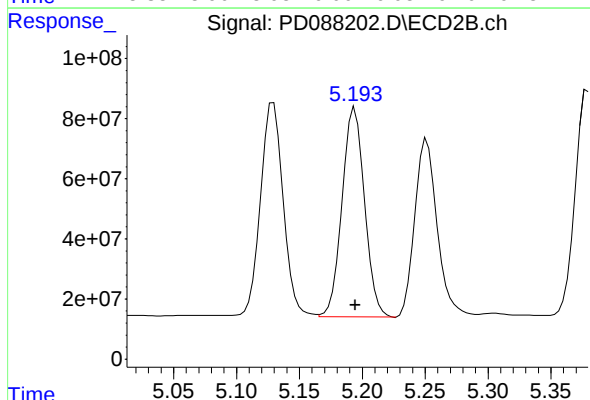
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 164480070
Conc: 45.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
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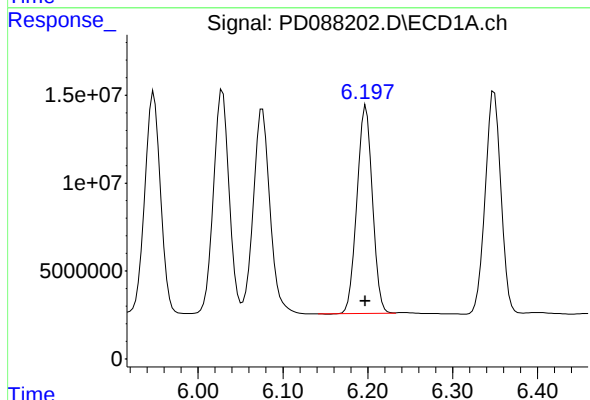
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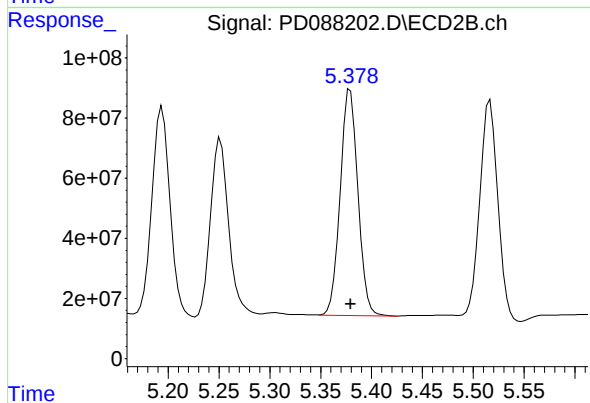
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 862958932
Conc: 44.02 ng/ml



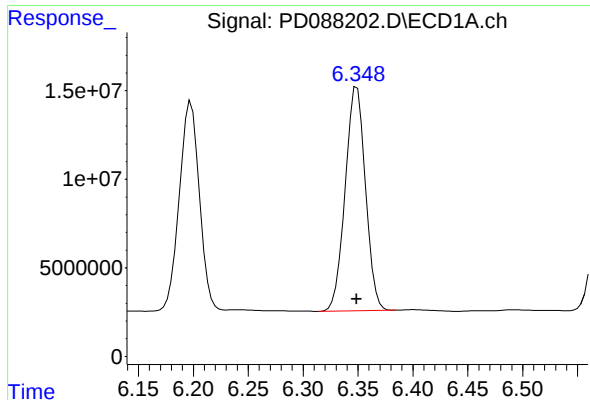
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 149664555
Conc: 45.38 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 915132250
Conc: 46.47 ng/ml m



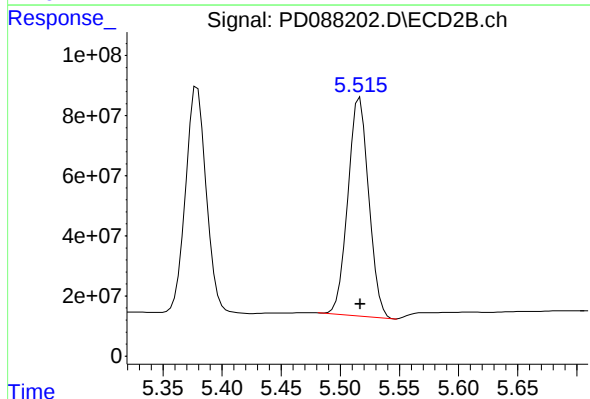
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 162344942
Conc: 45.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

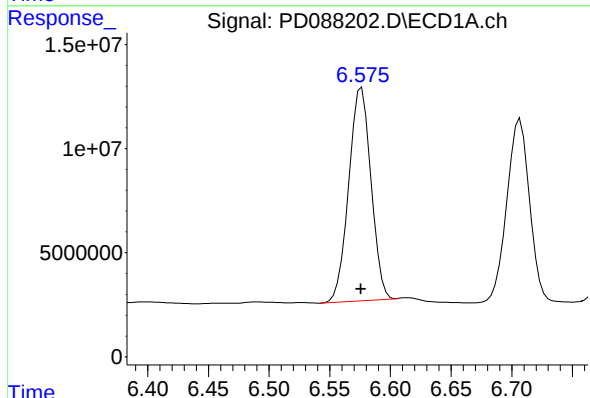
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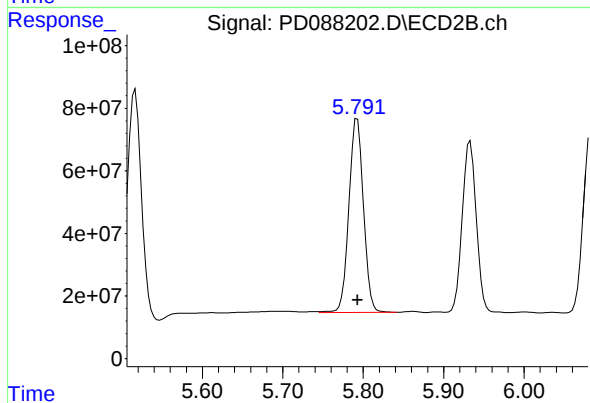
#13 Dieldrin

R.T.: 5.517 min
Delta R.T.: 0.000 min
Response: 892108191
Conc: 44.76 ng/ml



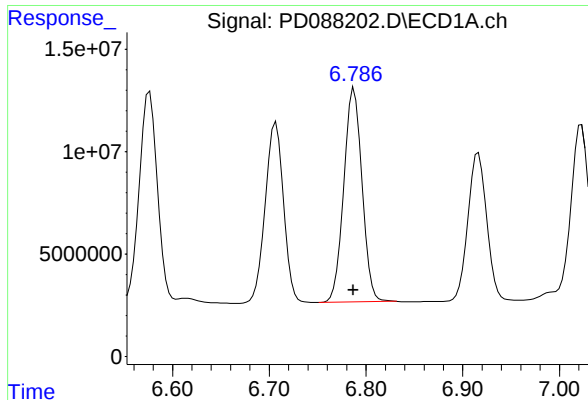
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 130814468
Conc: 43.86 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 779742336
Conc: 42.84 ng/ml



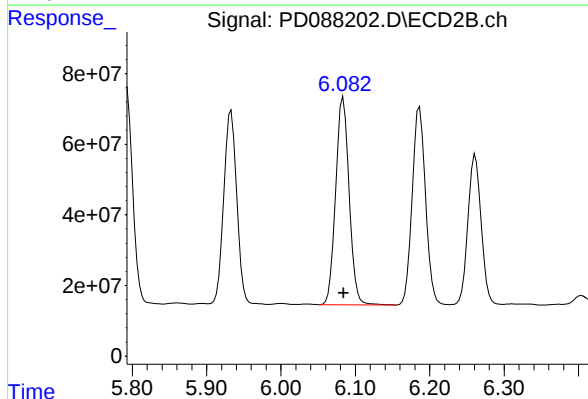
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 136050176
Conc: 43.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
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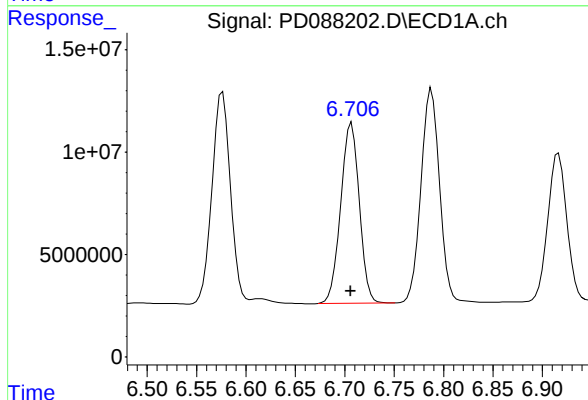
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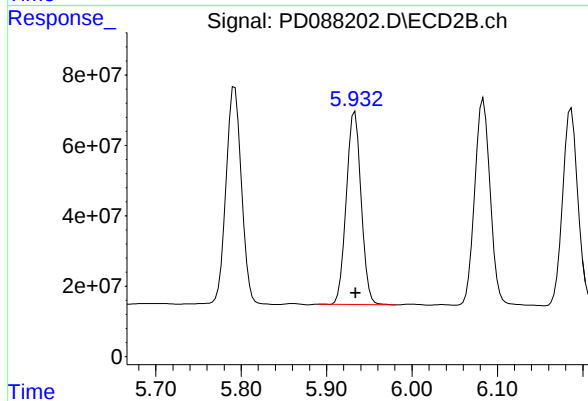
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 741120634
Conc: 42.30 ng/ml



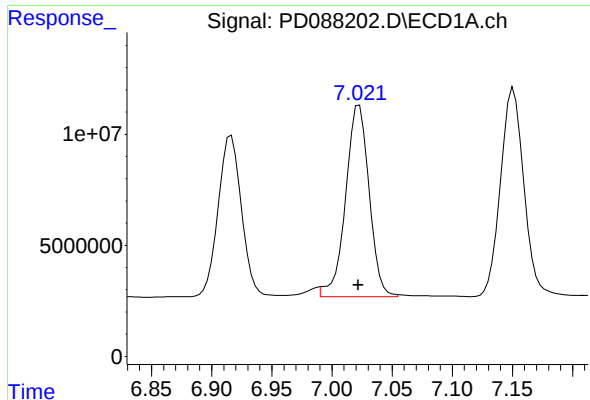
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 115263776
Conc: 45.83 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 662430701
Conc: 40.43 ng/ml



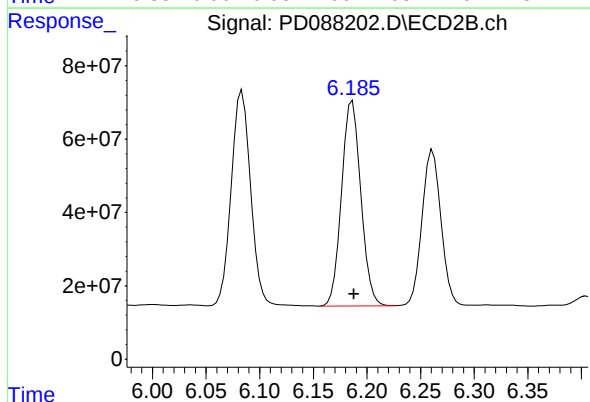
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 117196035
Conc: 42.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

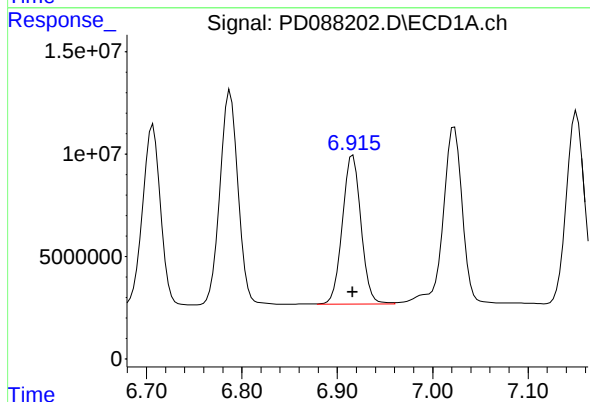
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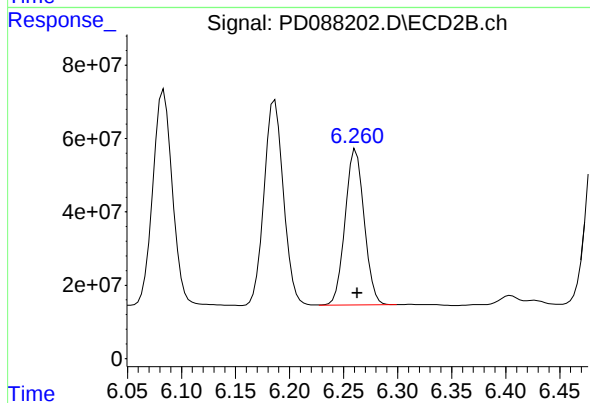
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 700532086
Conc: 41.17 ng/ml



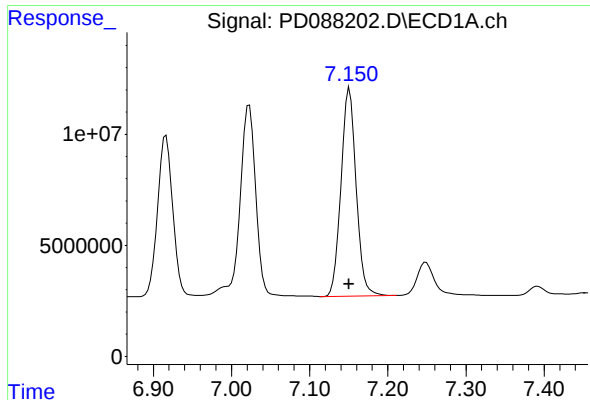
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 98917122
Conc: 42.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.002 min
Response: 521440321
Conc: 39.20 ng/ml



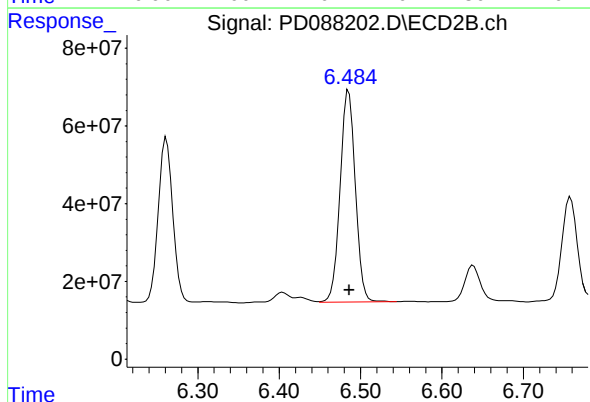
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 126218640
Conc: 43.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
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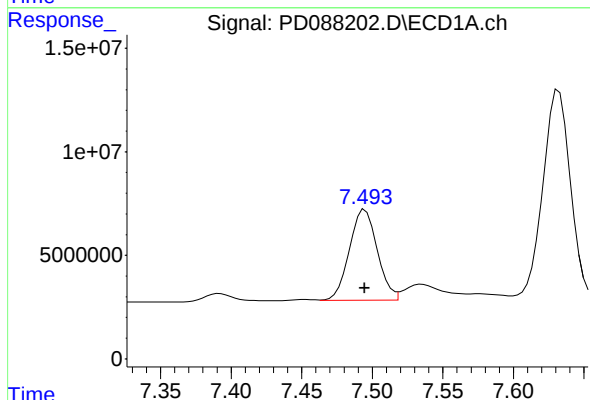
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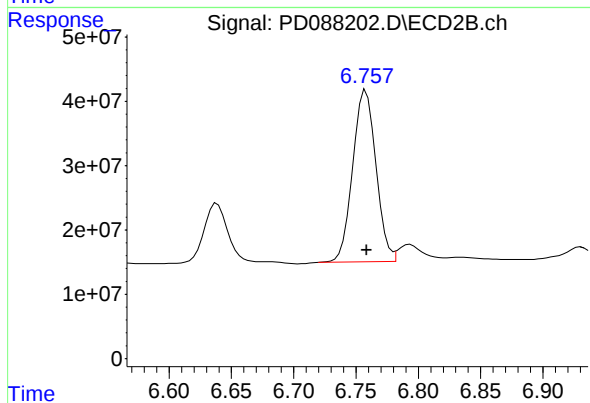
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 709664135
Conc: 41.42 ng/ml



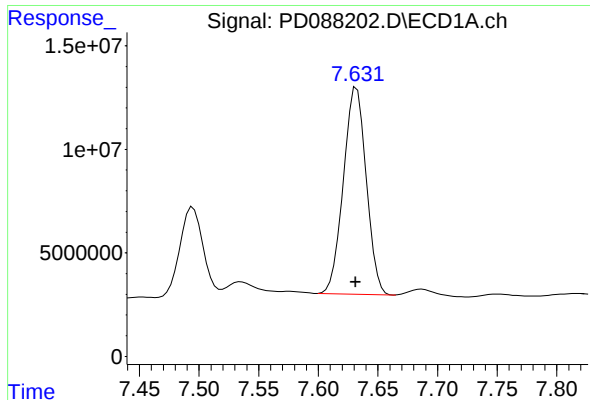
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.001 min
Response: 60382622
Conc: 40.27 ng/ml m



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 346918711
Conc: 38.03 ng/ml



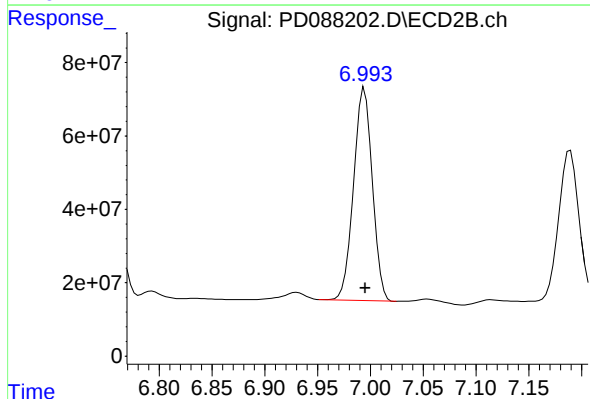
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 133120082
Conc: 43.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

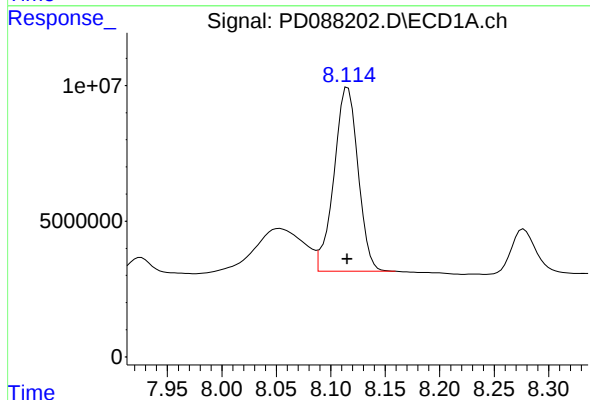
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



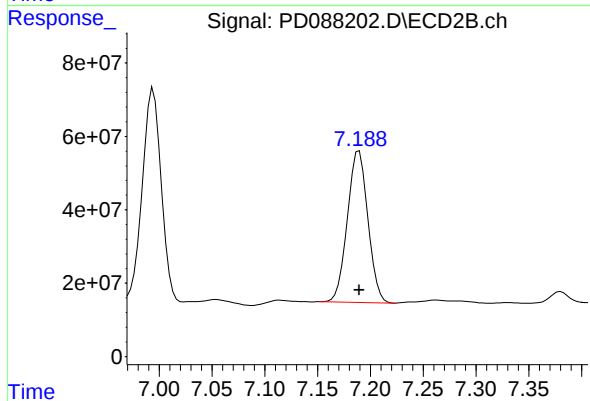
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 716139120
Conc: 38.29 ng/ml



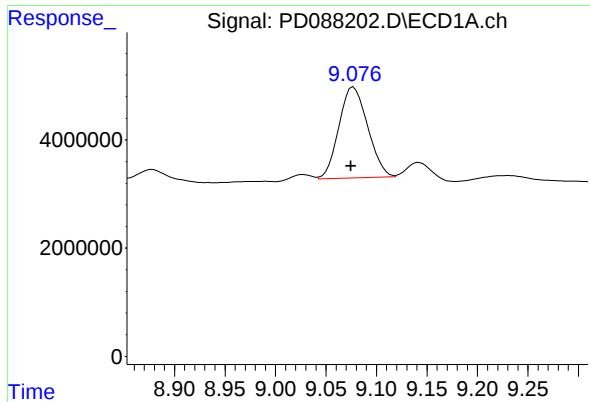
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 103651993
Conc: 44.14 ng/ml m



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 558869361
Conc: 37.71 ng/ml



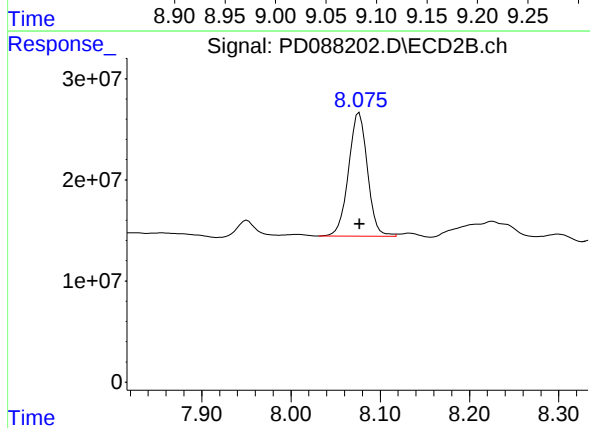
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.002 min
Response: 33444948
Conc: 10.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-09MSD

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#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 180089083
Conc: 9.75 ng/ml