

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088251.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 16:00
 Operator : AR\AJ
 Sample : Q1858-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-2MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 24 01:34:07 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	34755500	259.5E6	17.400	17.746
28)	SA Decachlor...	9.074	8.076	50893408	239.9E6	15.384	12.980
Target Compounds							
2)	A alpha-BHC	4.001	3.396	196.5E6	986.3E6	45.570	43.142
3)	MA gamma-BHC...	4.332	3.732	188.4E6	876.8E6	44.981	40.707
4)	MA Heptachlor	4.931	4.086	158.8E6	800.7E6	39.322	37.417
5)	MB Aldrin	5.273	4.372	180.9E6	867.2E6	45.792	41.685
6)	B beta-BHC	4.516	4.028	65918350	420.8E6	40.606	45.468
7)	B delta-BHC	4.765	4.265	190.7E6	895.3E6	46.232	42.107
8)	B Heptachlo...	5.692	4.876	159.5E6	783.3E6	44.627	41.458
9)	A Endosulfan I	6.076	5.251	153.5E6	696.4E6	45.442	38.662
10)	B gamma-Chl...	5.947	5.129	162.4E6	875.7E6	44.831	43.148
11)	B alpha-Chl...	6.028	5.194	162.3E6	827.2E6	44.952	42.200
12)	B 4,4'-DDE	6.197	5.377	132.9E6	794.3E6	40.301	40.334m
13)	MA Dieldrin	6.348	5.516	160.8E6	826.7E6	45.049	41.474
14)	MA Endrin	6.575	5.792	128.1E6	733.8E6	42.942	40.313
15)	B Endosulfa...	6.786	6.082	131.0E6	690.1E6	41.889	39.388m
16)	A 4,4'-DDD	6.706	5.933	114.2E6	650.2E6	45.406	39.682
17)	MA 4,4'-DDT	7.020	6.186	96709087	529.2E6	34.818m	31.100m
18)	B Endrin al...	6.915	6.261	101.1E6	503.9E6	43.794	37.885m
19)	B Endosulfa...	7.150	6.485	121.5E6	638.0E6	42.249	37.240
20)	A Methoxychlor	7.492	6.757	50947031	293.5E6	33.975m	32.182
21)	B Endrin ke...	7.630	6.994	118.9E6	622.1E6	38.536	33.258
22)	Mirex	8.113	7.188	98553032	502.1E6	41.967m	33.875

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
Data File : PD088251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:00
Operator : AR\AJ
Sample : Q1858-02MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

COMP-2MSD

Manual Integrations

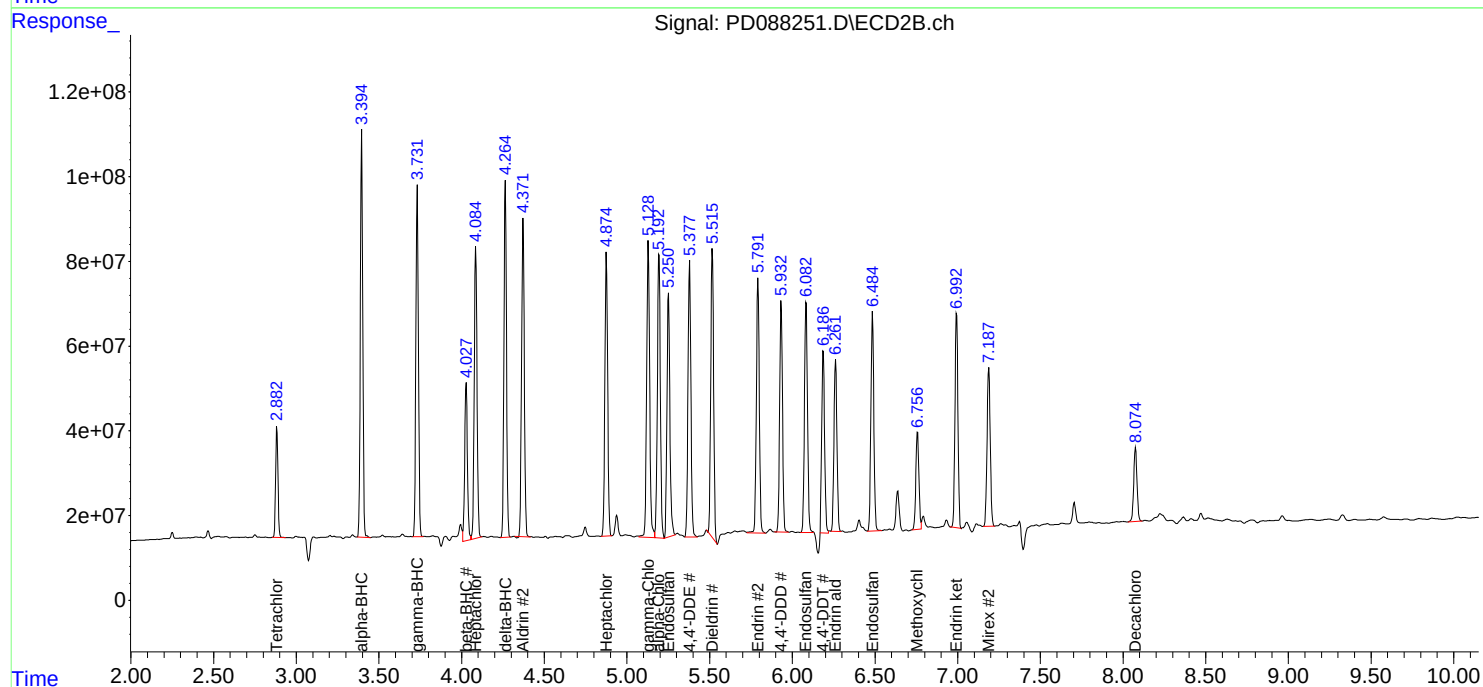
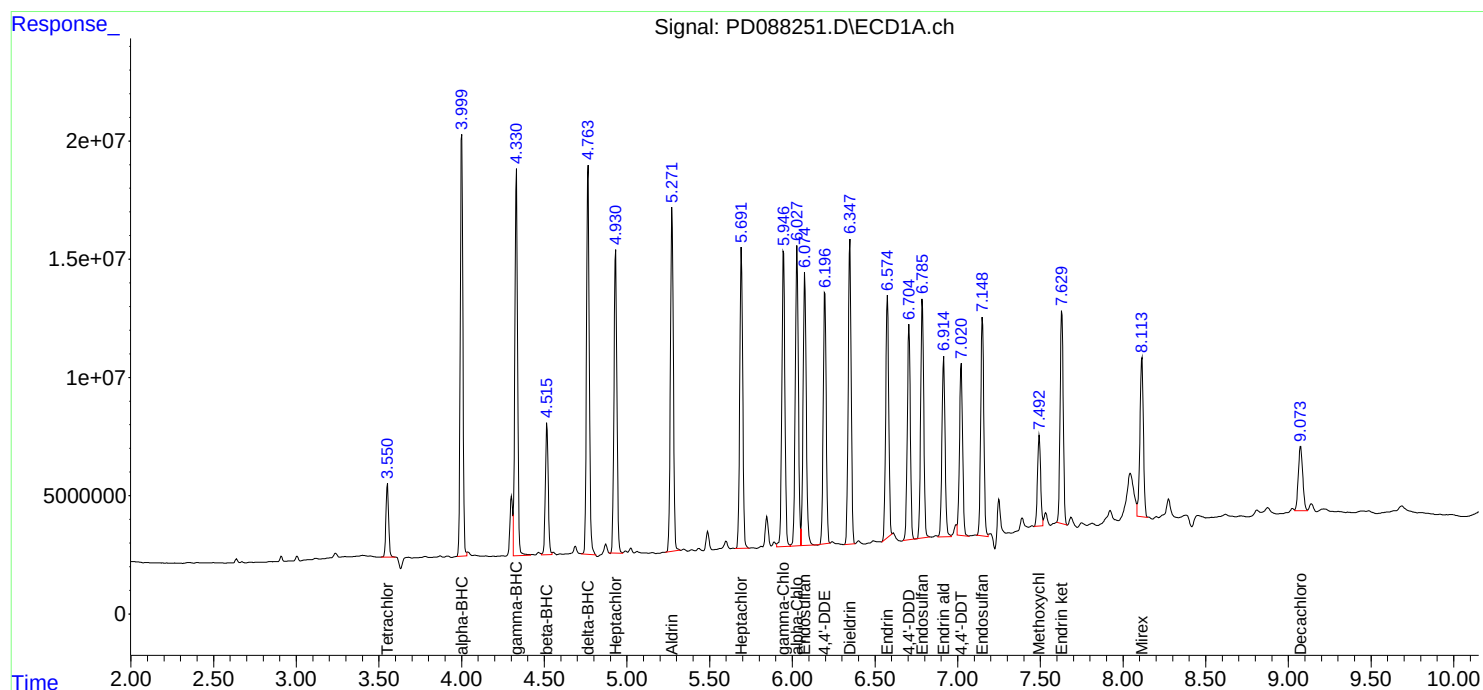
APPROVED

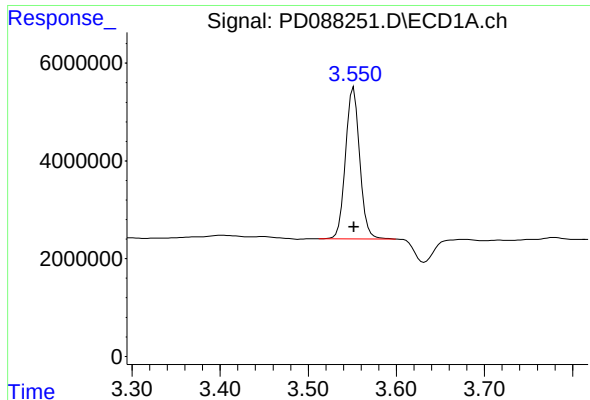
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 24 01:34:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
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QLast Update : Sat Apr 19 06:32:27 2025
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Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





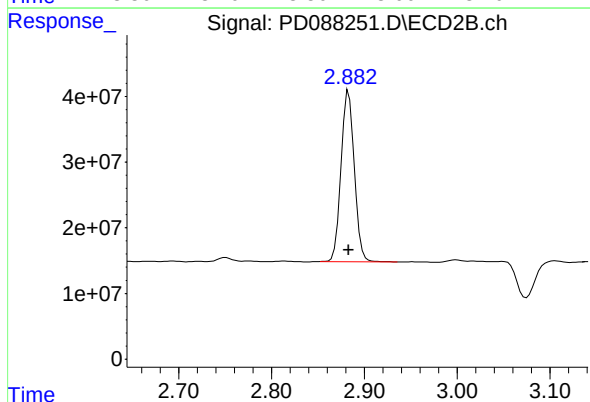
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 34755500
Conc: 17.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

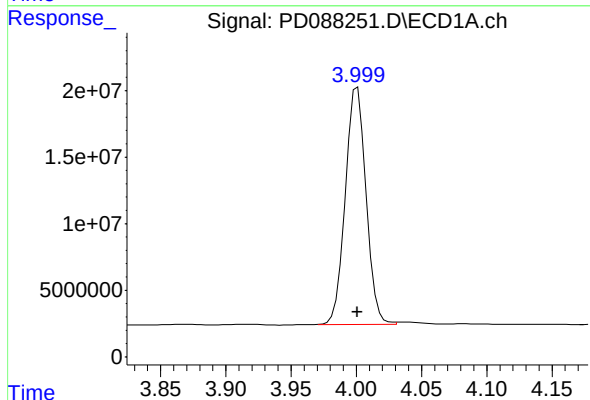
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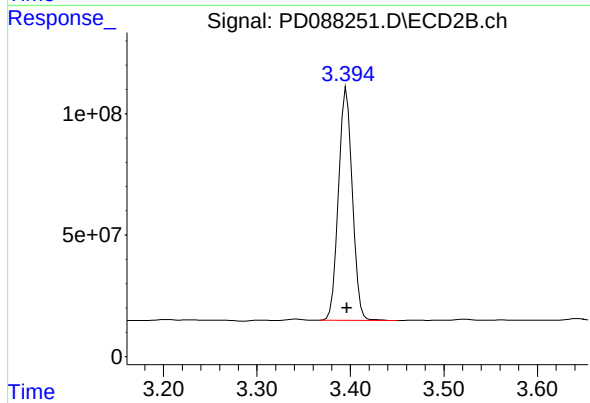
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 259477904
Conc: 17.75 ng/ml



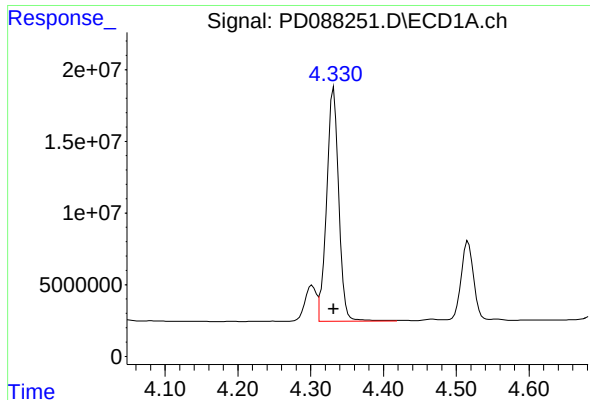
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 196496810
Conc: 45.57 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 986296102
Conc: 43.14 ng/ml



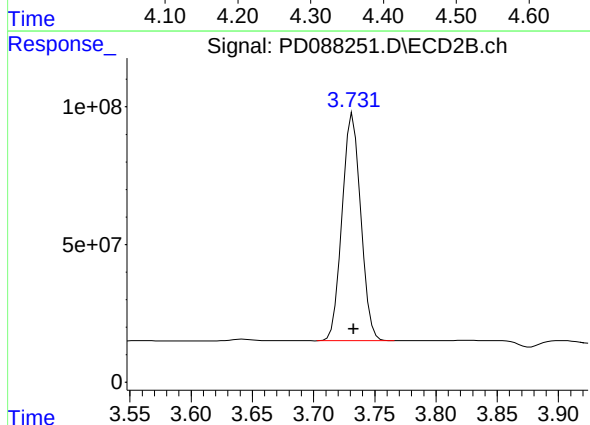
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 188359668
Conc: 44.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

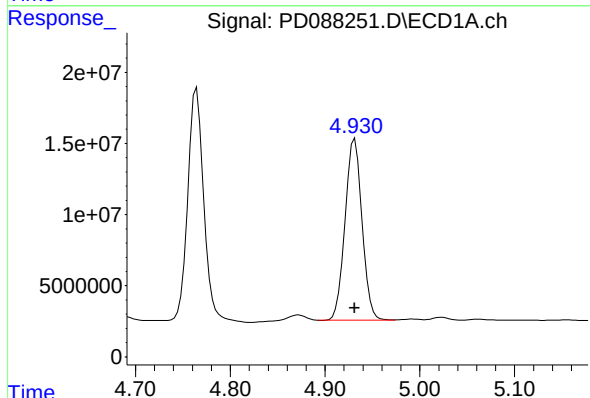
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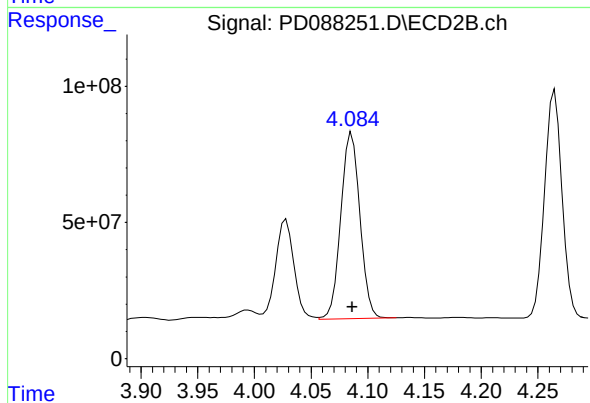
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 876772496
Conc: 40.71 ng/ml



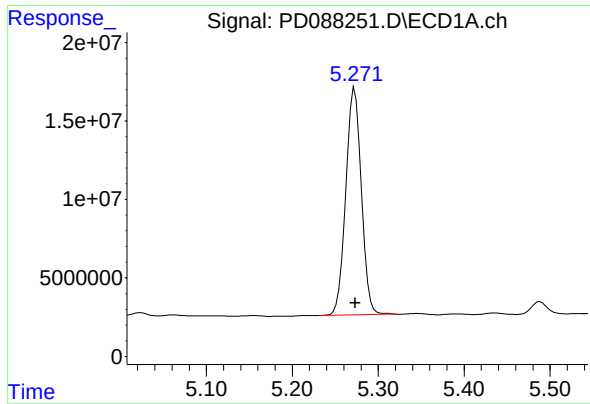
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 158818617
Conc: 39.32 ng/ml



#4 Heptachlor

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 800650164
Conc: 37.42 ng/ml



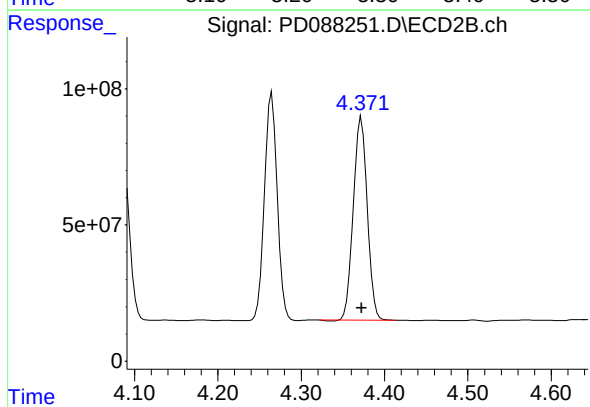
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 180860790
Conc: 45.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

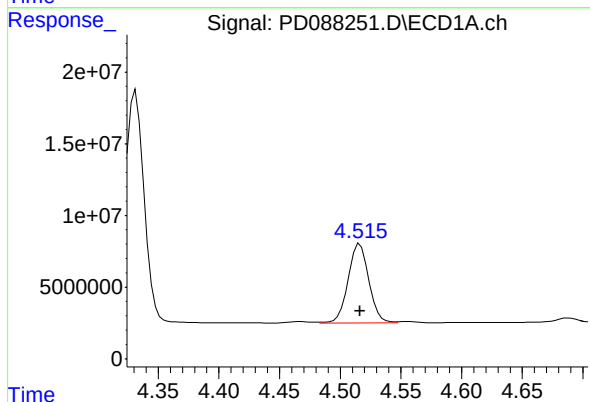
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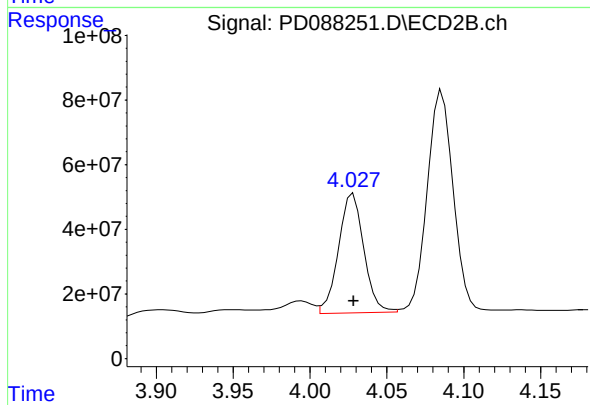
#5 Aldrin

R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 867165556
Conc: 41.69 ng/ml



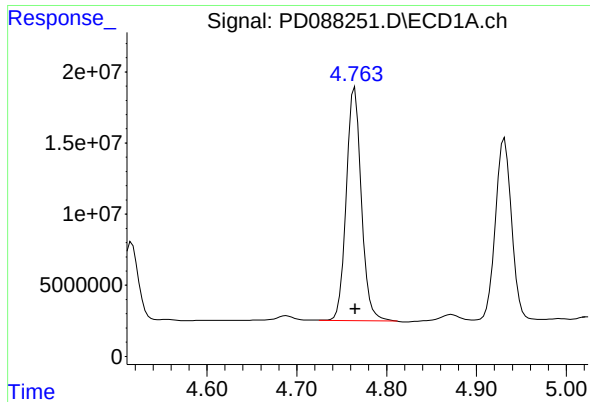
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 65918350
Conc: 40.61 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 420770194
Conc: 45.47 ng/ml



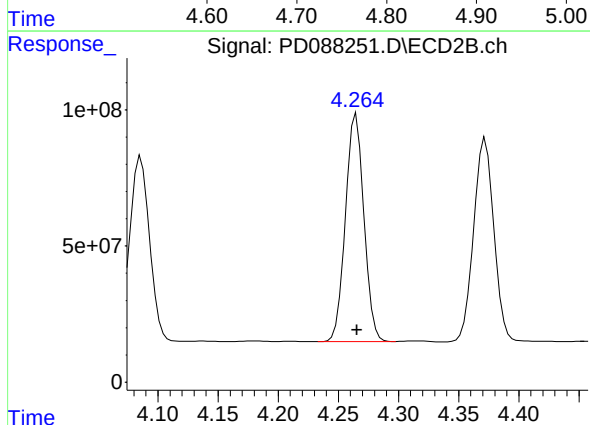
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 190705329
Conc: 46.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

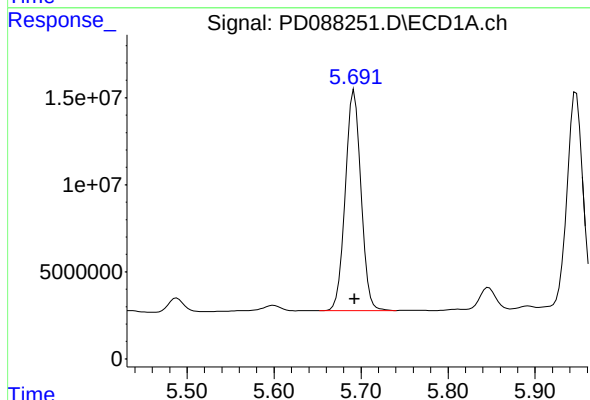
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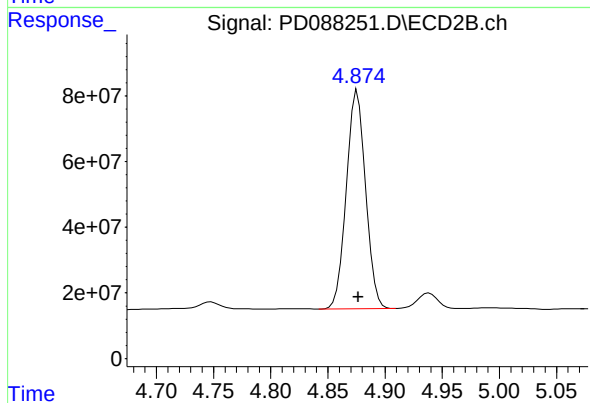
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 895263477
Conc: 42.11 ng/ml



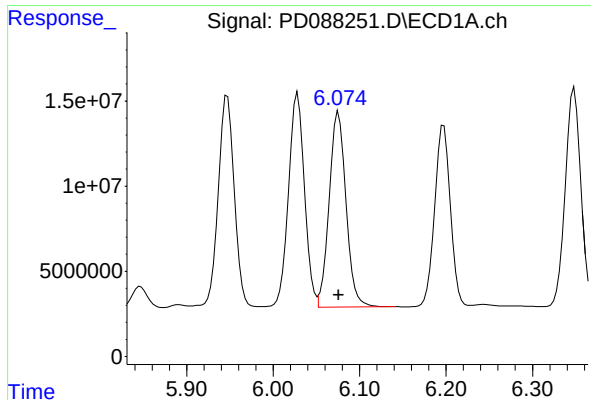
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 159493414
Conc: 44.63 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 783317476
Conc: 41.46 ng/ml



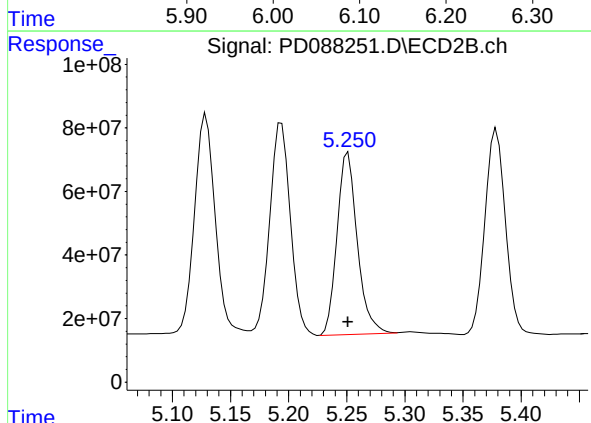
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 153464801
Conc: 45.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

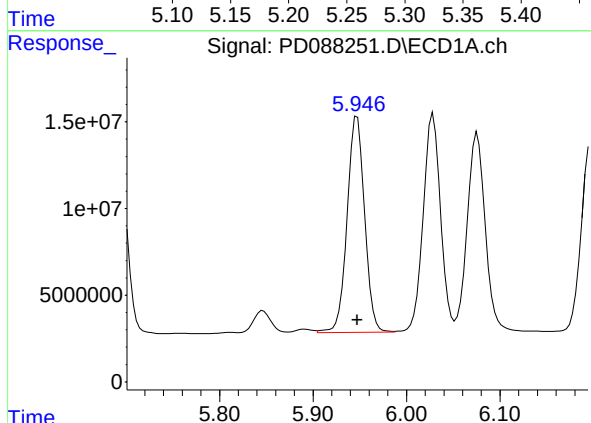
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Supervised By :mohammad ahmed 04/26/2025



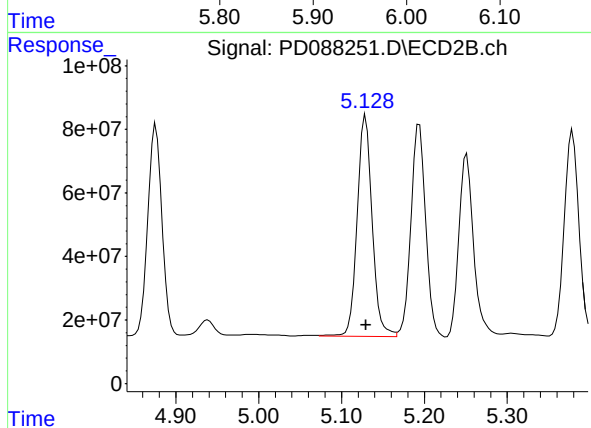
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 696401029
Conc: 38.66 ng/ml



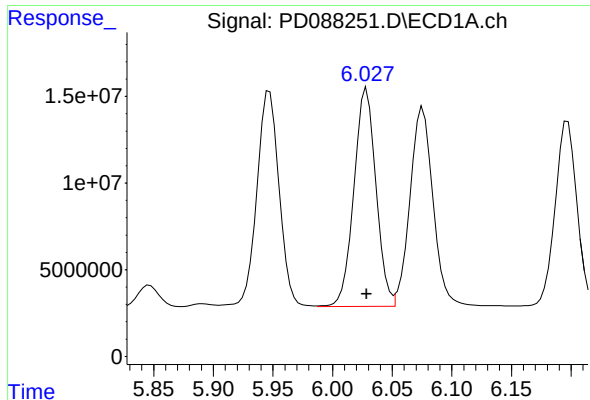
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 162380396
Conc: 44.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 875735248
Conc: 43.15 ng/ml



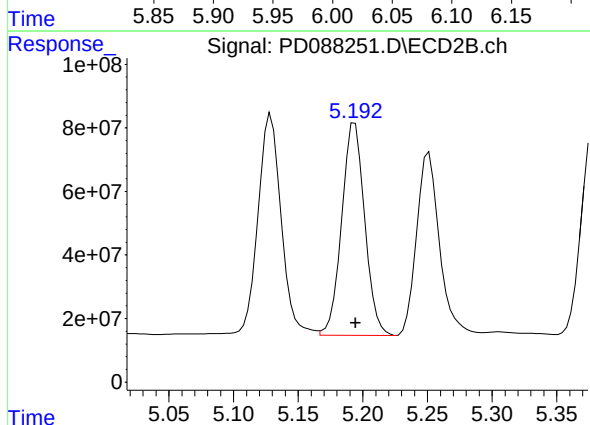
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 162259147
Conc: 44.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

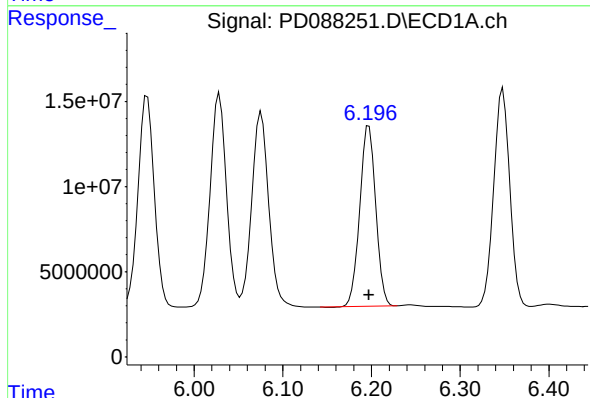
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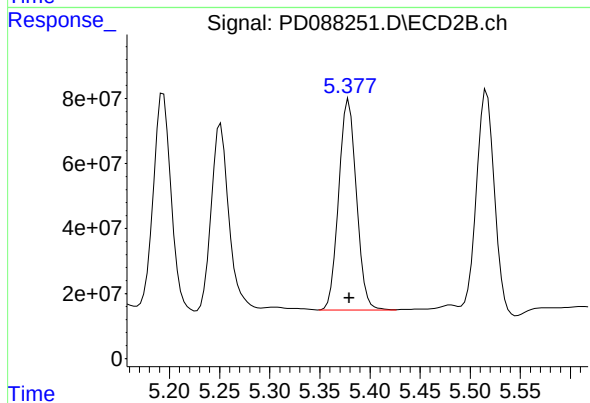
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 827228620
Conc: 42.20 ng/ml



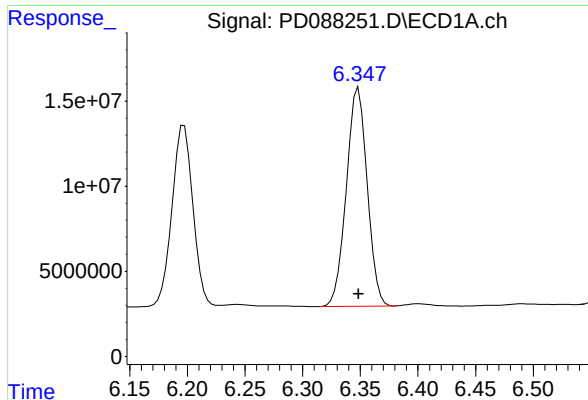
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 132923737
Conc: 40.30 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.002 min
Response: 794339164
Conc: 40.33 ng/ml m



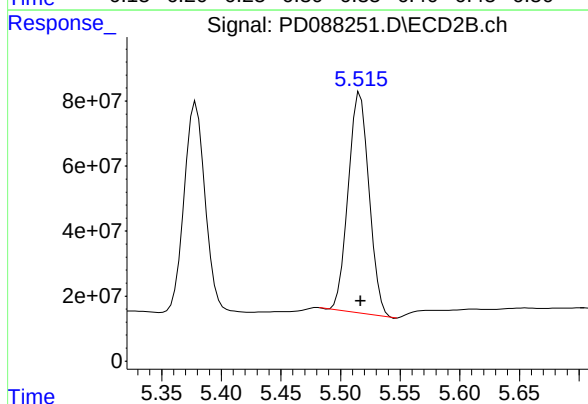
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 160758873
Conc: 45.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

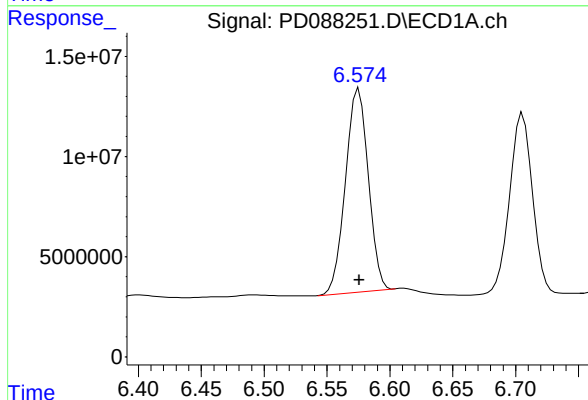
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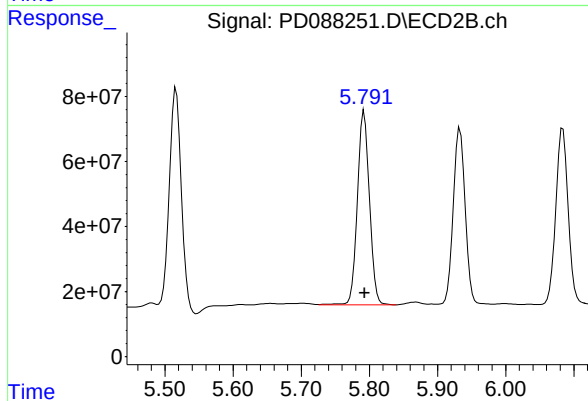
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 826696744
Conc: 41.47 ng/ml



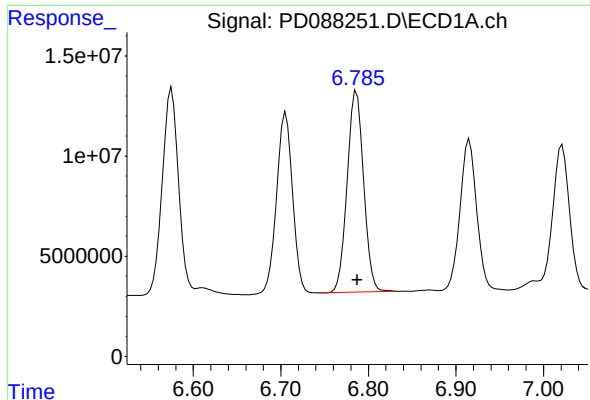
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 128078507
Conc: 42.94 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 733792077
Conc: 40.31 ng/ml



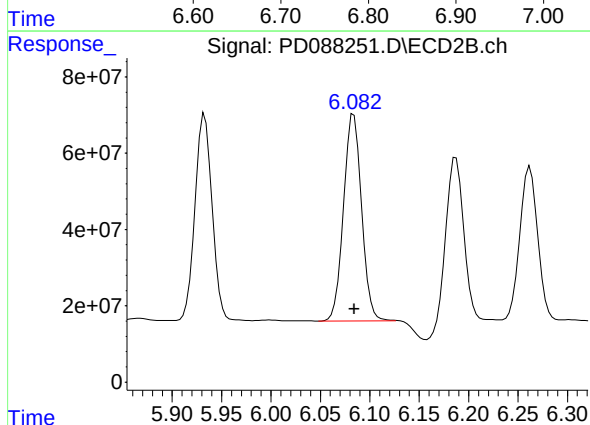
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 130954168
Conc: 41.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

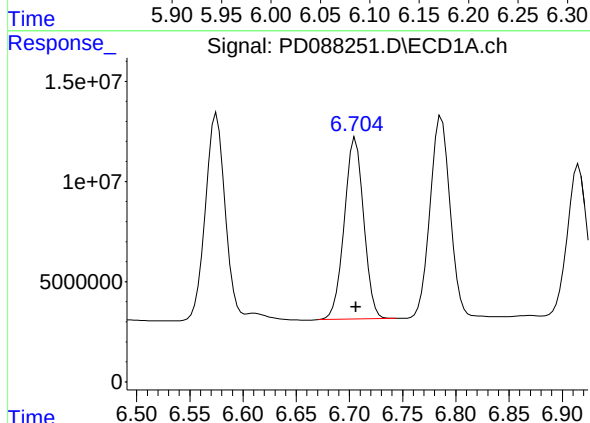
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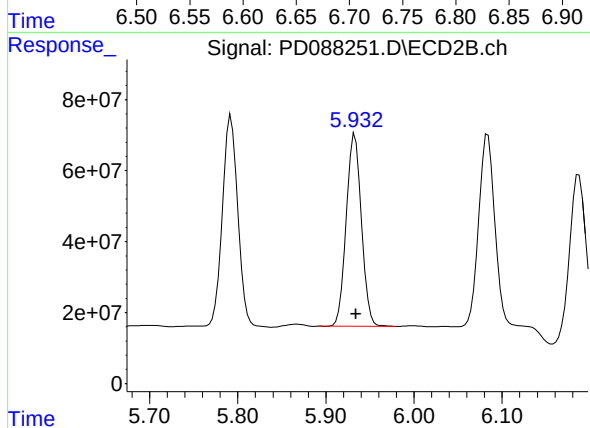
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 690148394
Conc: 39.39 ng/ml



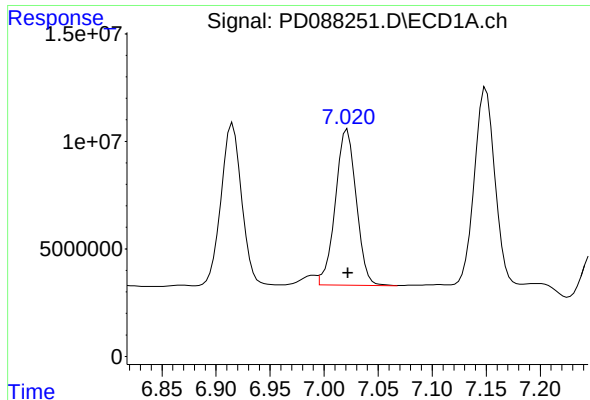
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 114195151
Conc: 45.41 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 650244172
Conc: 39.68 ng/ml



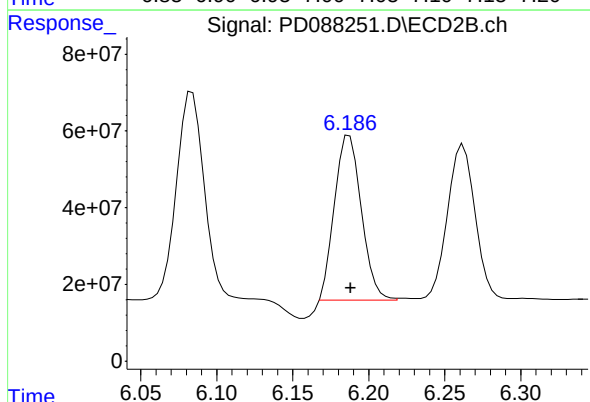
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 96709087
Conc: 34.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

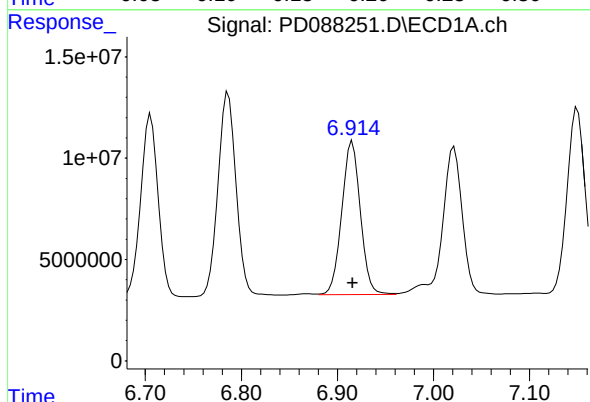
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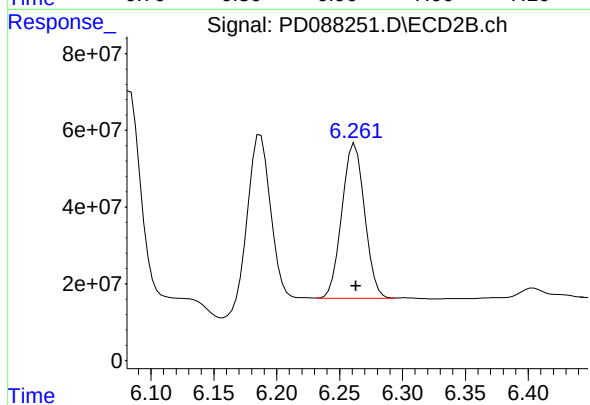
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 529207394
Conc: 31.10 ng/ml



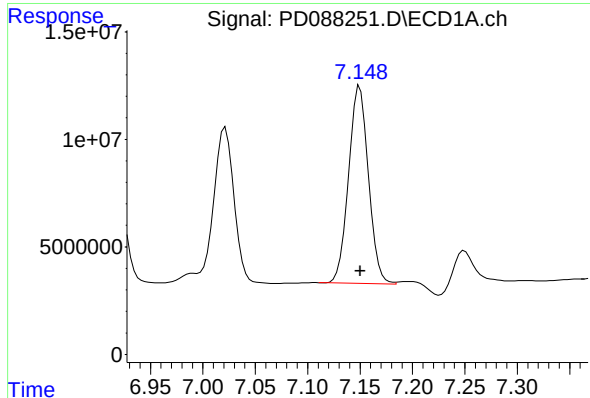
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 101076625
Conc: 43.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.002 min
Response: 503911193
Conc: 37.89 ng/ml



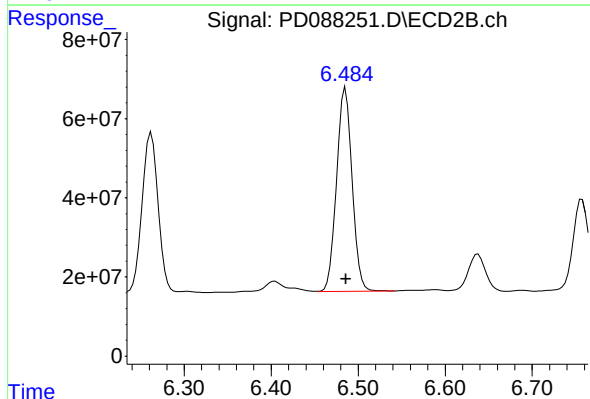
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 121501984
Conc: 42.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

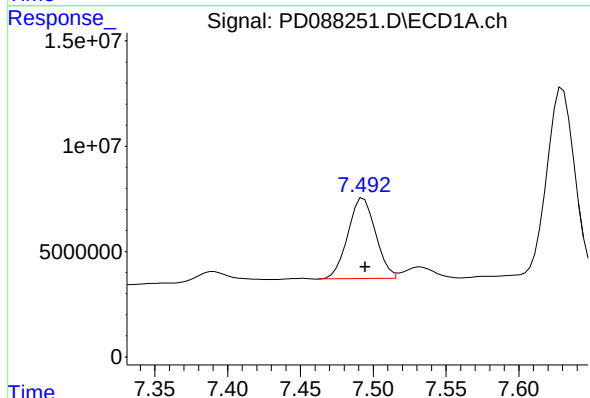
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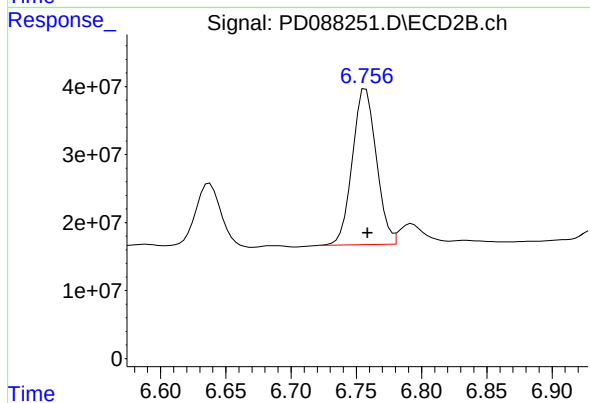
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 638038365
Conc: 37.24 ng/ml



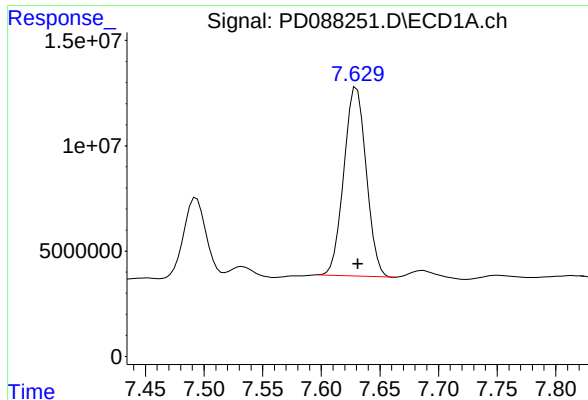
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 50947031
Conc: 33.97 ng/ml m



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 293532050
Conc: 32.18 ng/ml



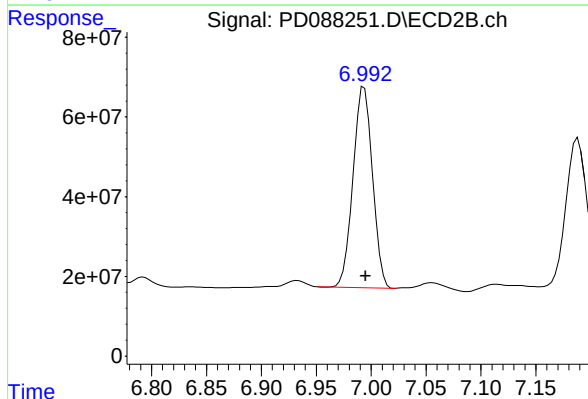
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 118944753
Conc: 38.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

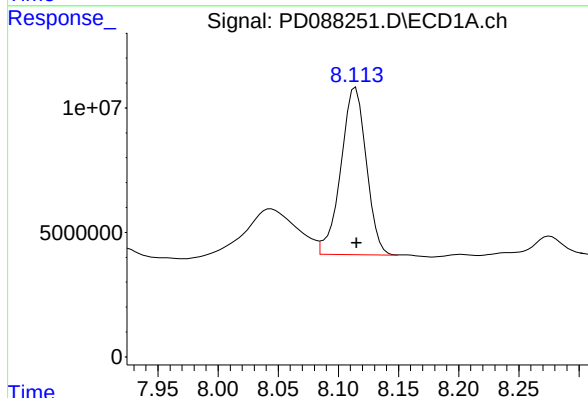
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APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



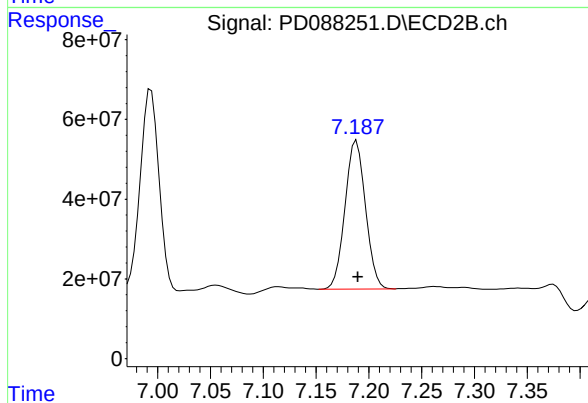
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 622061027
Conc: 33.26 ng/ml



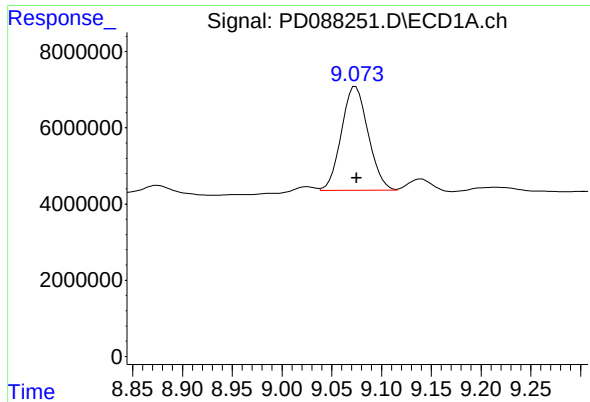
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 98553032
Conc: 41.97 ng/ml m



#22 Mirex

R.T.: 7.188 min
Delta R.T.: -0.001 min
Response: 502063025
Conc: 33.88 ng/ml



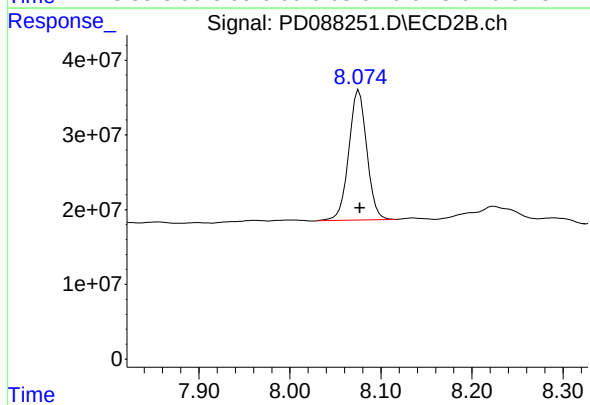
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 50893408
Conc: 15.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-2MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 239859071
Conc: 12.98 ng/ml