

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052225\
 Data File : PD088699.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 17:11
 Operator : AR\AJ
 Sample : Q2092-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 VNJ-202MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/22/2025
 Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 03:43:30 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 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...	3.551	2.882	22541372	137.3E6	10.418	9.077
28) SA Decachlor...	9.076	8.074	44118624	178.9E6	12.891	9.800
Target Compounds						
2) A alpha-BHC	4.000	3.394	134.1E6	536.1E6	28.083	22.429
3) MA gamma-BHC...	4.332	3.731	130.2E6	475.1E6	28.278	21.434
4) MA Heptachlor	4.931	4.084	126.9E6	479.5E6	28.375	21.356
5) MB Aldrin	5.273	4.370	122.9E6	467.6E6	27.967	21.322
6) B beta-BHC	4.517	4.025	50529236	215.8E6	28.023	22.156m
7) B delta-BHC	4.765	4.264	125.3E6	461.0E6	29.640	20.678 #
8) B Heptachlo...	5.692	4.874	111.3E6	417.2E6	28.053	20.997 #
9) A Endosulfan I	6.076	5.249	112.3E6	410.4E6	29.835	21.623 #
10) B gamma-Chl...	5.947	5.127	113.7E6	459.1E6	28.513	21.519
11) B alpha-Chl...	6.029	5.192	114.0E6	424.2E6	28.461	20.567 #
12) B 4,4'-DDE	6.197	5.377	99463161	418.2E6	27.710	20.005 #
13) MA Dieldrin	6.348	5.514	115.1E6	444.5E6	28.682	21.124 #
14) MA Endrin	6.576	5.790	98417222	411.7E6	28.818	21.351 #
15) B Endosulfa...	6.788	6.081	100.5E6	420.7E6	29.185	22.962
16) A 4,4'-DDD	6.706	5.931	88049903	375.6E6	31.615	21.598 #
17) MA 4,4'-DDT	7.023	6.185	80812675	348.2E6	25.885	19.199 #
18) B Endrin al...	6.917	6.260	71536313	304.0E6	27.785	21.826
19) B Endosulfa...	7.151	6.483	97101497	386.2E6	30.315	21.751 #
20) A Methoxychlor	7.495	6.756	43496305	198.7E6	26.037	20.750
21) B Endrin ke...	7.632	6.992	107.3E6	440.6E6	31.354	22.774 #
22) Mirex	8.116	7.187	86696379	355.4E6	33.367	23.380 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052225\
Data File : PD088699.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 17:11
Operator : AR\AJ
Sample : Q2092-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

VNJ-202MSD

Manual Integrations

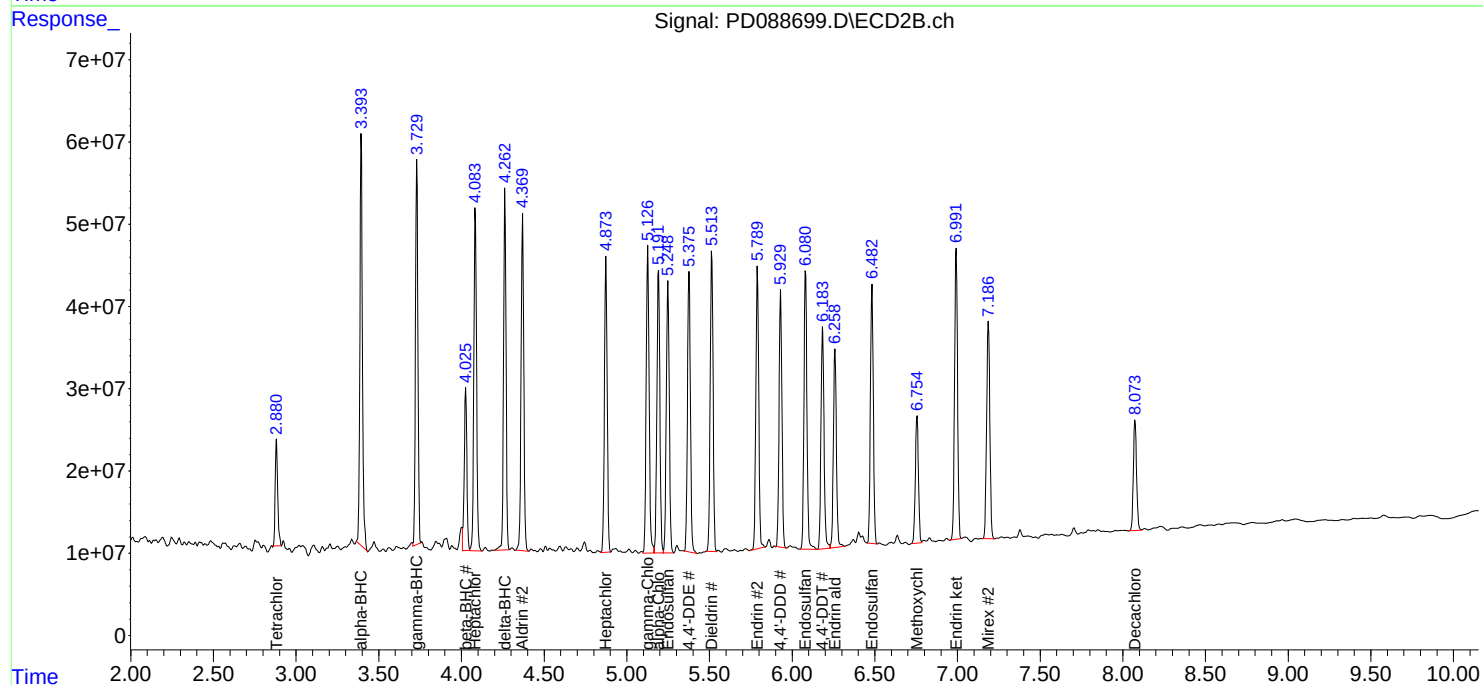
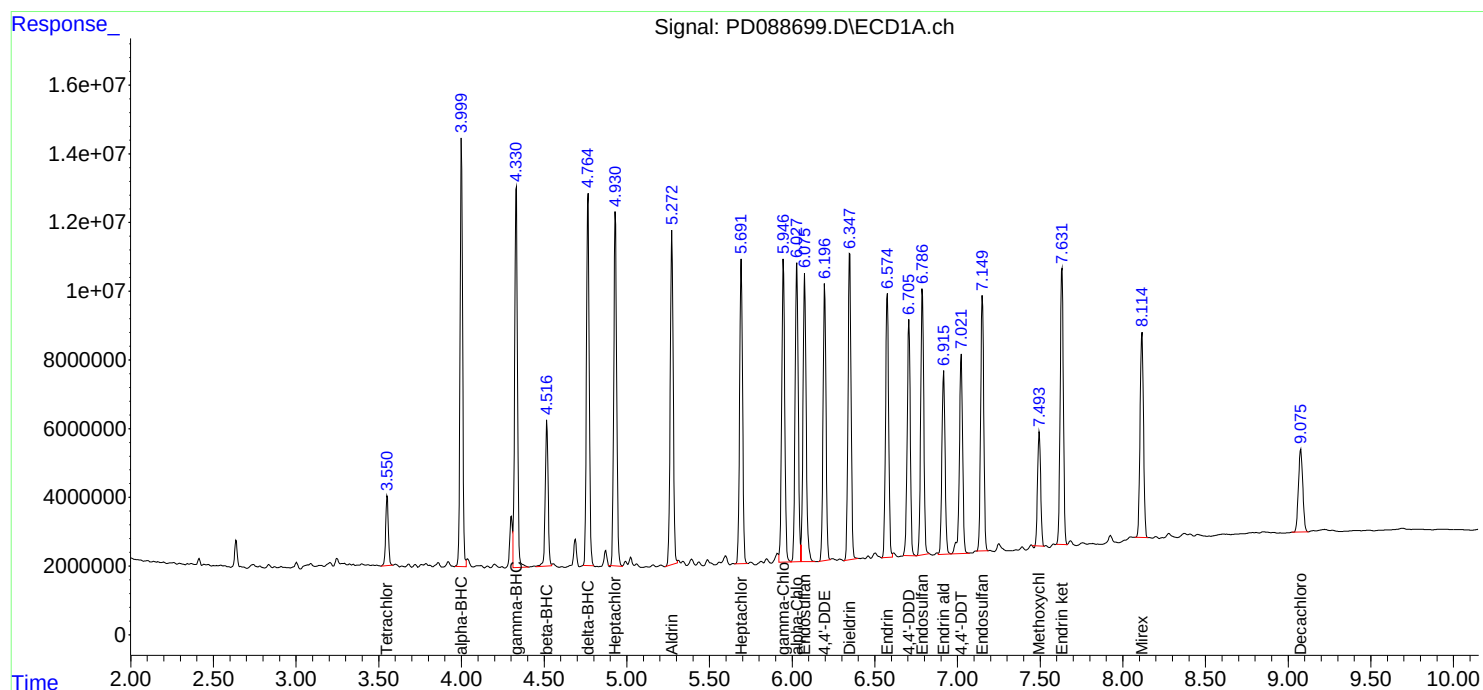
APPROVED

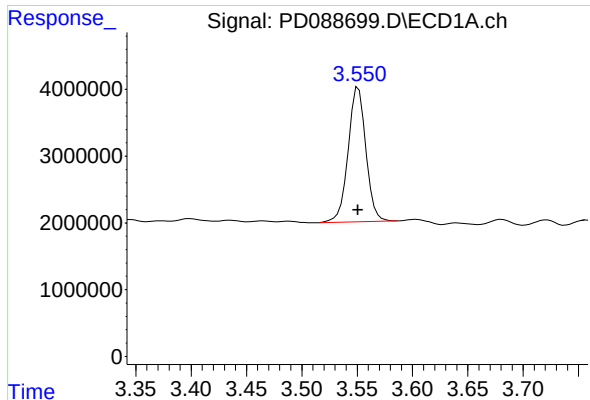
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 03:43:30 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





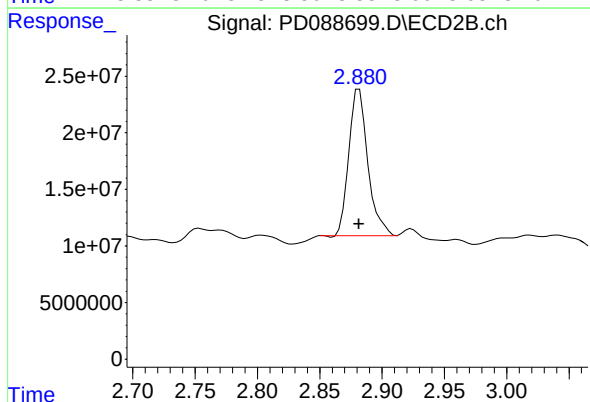
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 22541372
Conc: 10.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

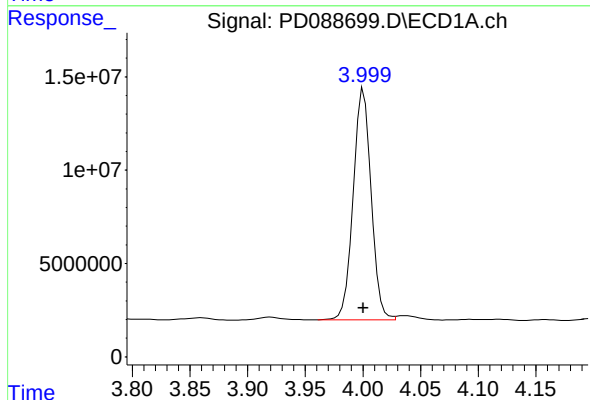
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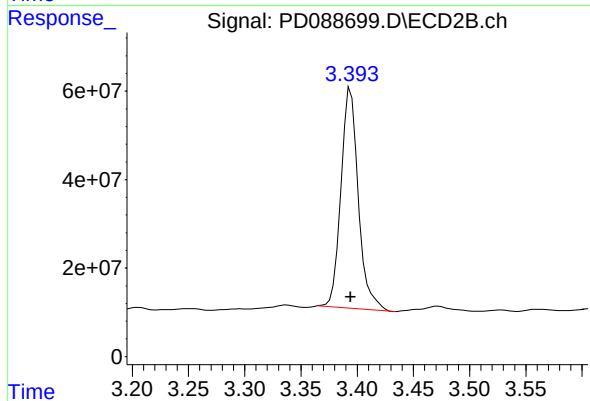
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 137307671
Conc: 9.08 ng/ml



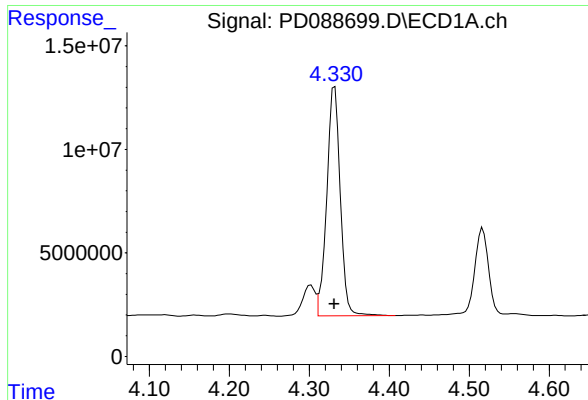
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 134140426
Conc: 28.08 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 536135997
Conc: 22.43 ng/ml



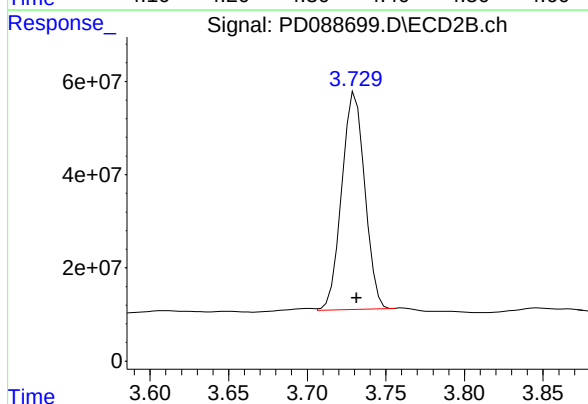
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 130155402
Conc: 28.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

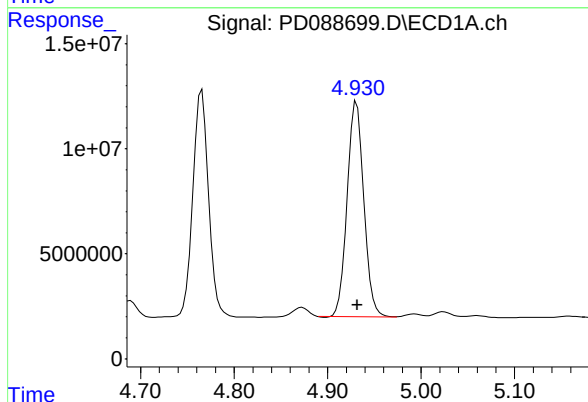
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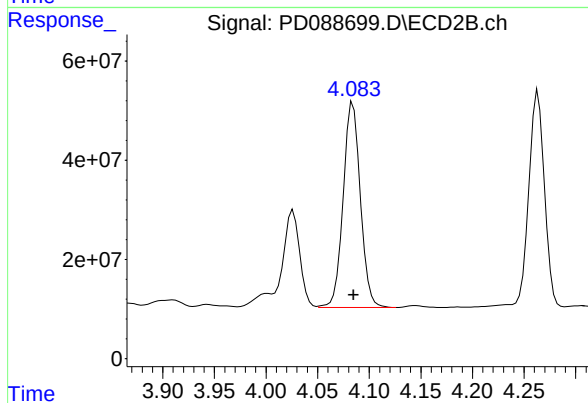
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 475110544
Conc: 21.43 ng/ml



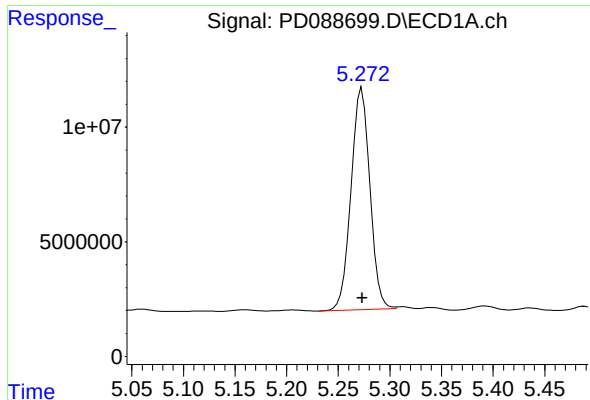
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 126869292
Conc: 28.37 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 479549114
Conc: 21.36 ng/ml



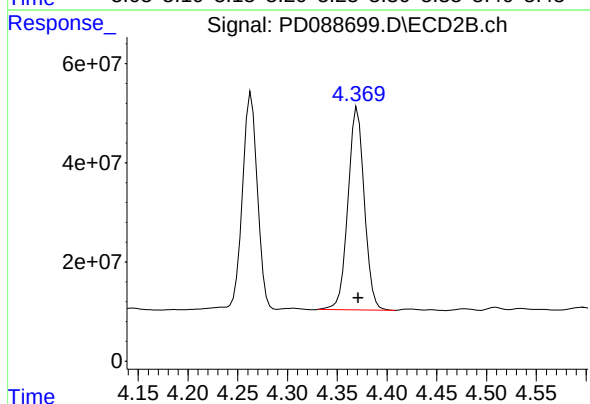
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 122901000
Conc: 27.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

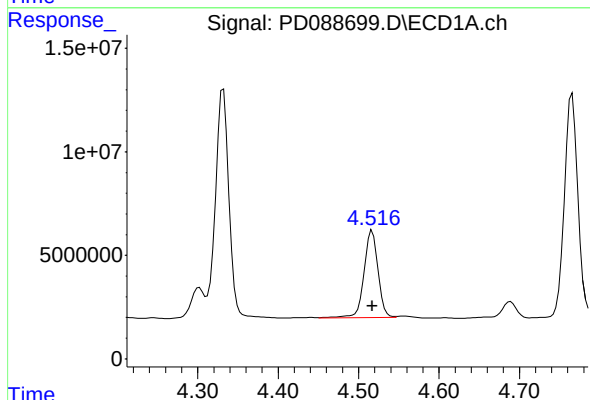
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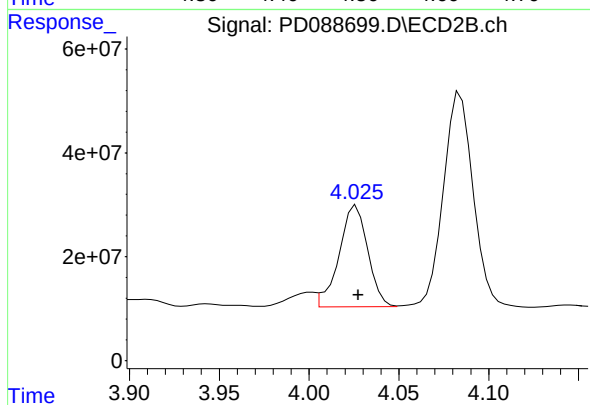
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.001 min
Response: 467597829
Conc: 21.32 ng/ml



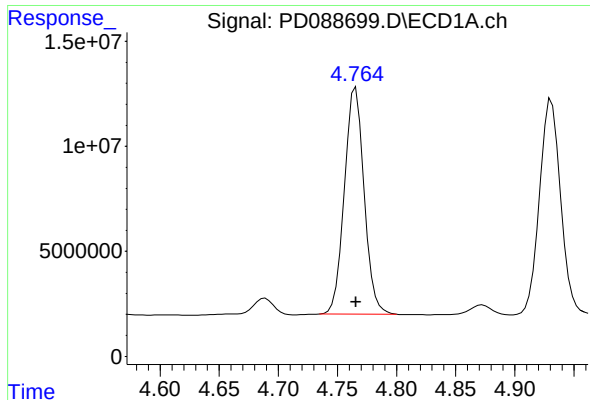
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 50529236
Conc: 28.02 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 215839795
Conc: 22.16 ng/ml m



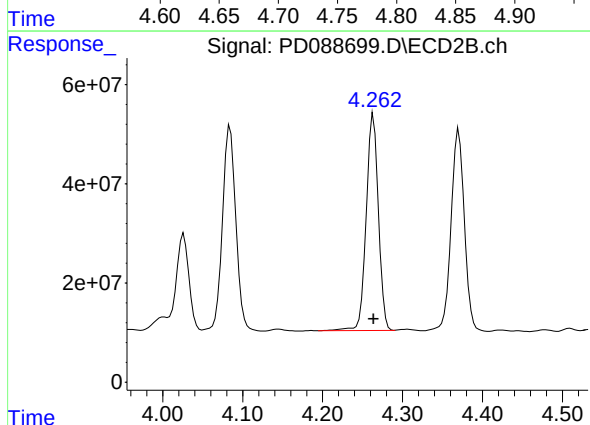
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 125263121
Conc: 29.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

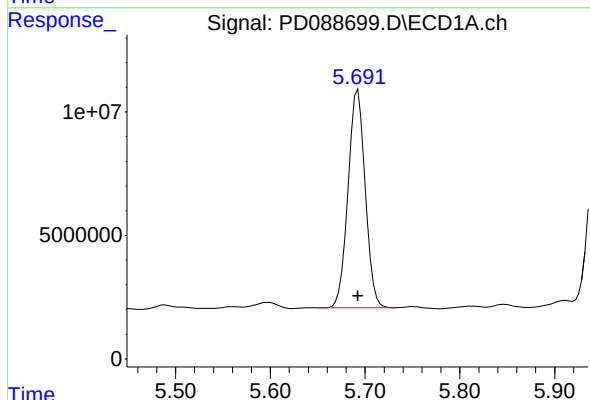
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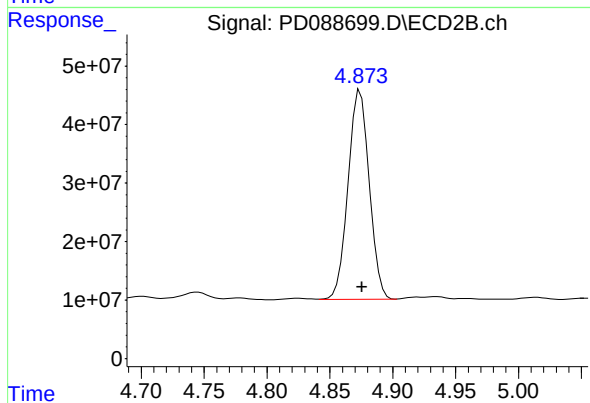
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 460991661
Conc: 20.68 ng/ml



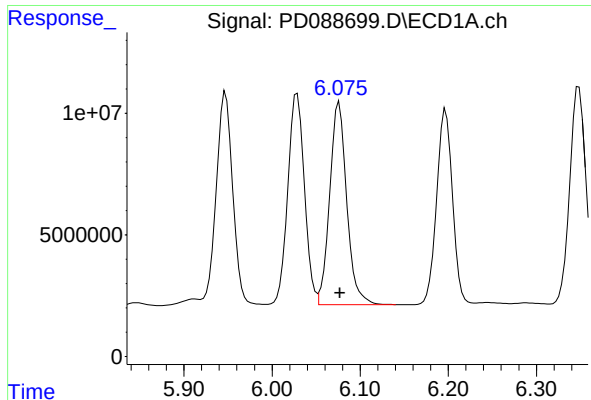
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 111348946
Conc: 28.05 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 417235017
Conc: 21.00 ng/ml



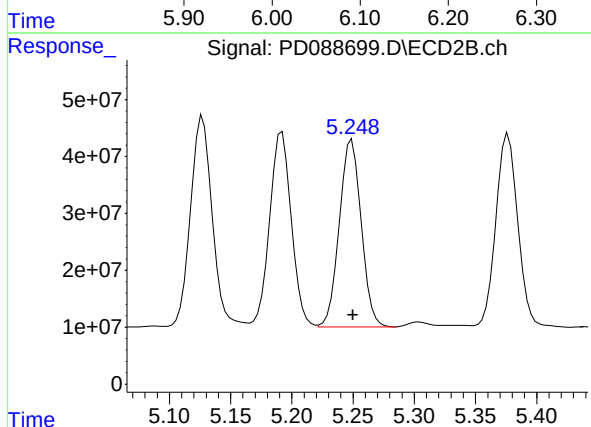
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 112264900
Conc: 29.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

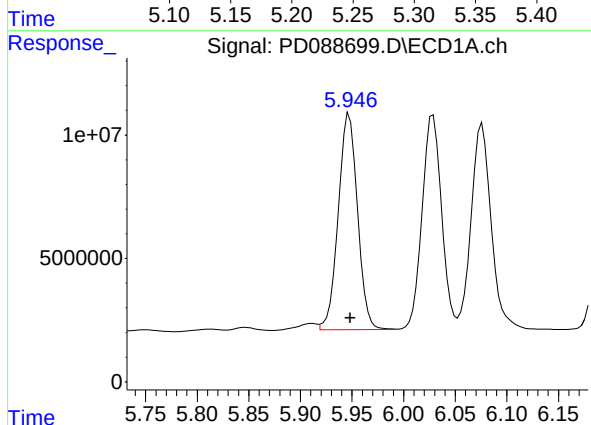
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Supervised By :mohammad ahmed 05/23/2025



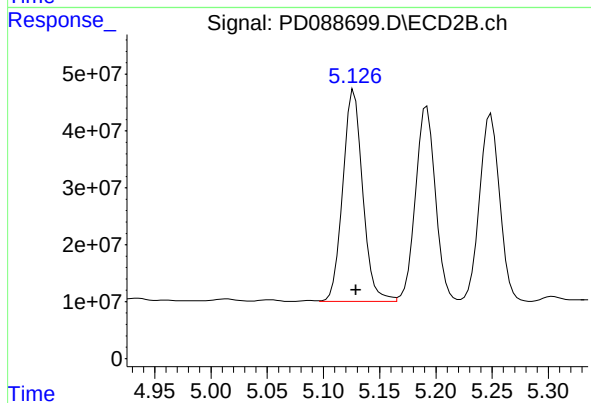
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 410377148
Conc: 21.62 ng/ml



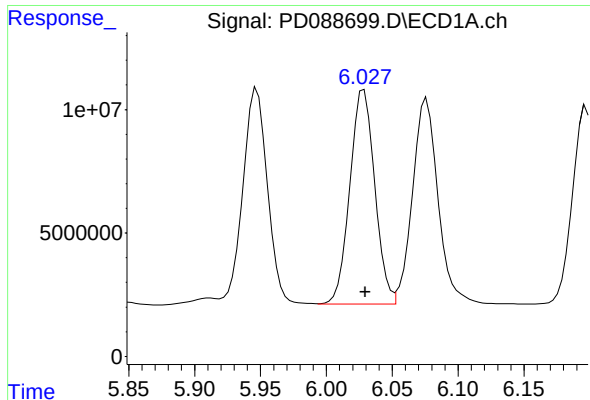
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 113737802
Conc: 28.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 459050021
Conc: 21.52 ng/ml



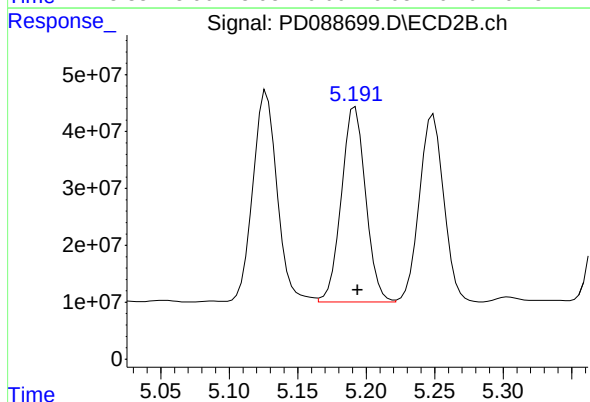
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: -0.001 min
Response: 114022712
Conc: 28.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

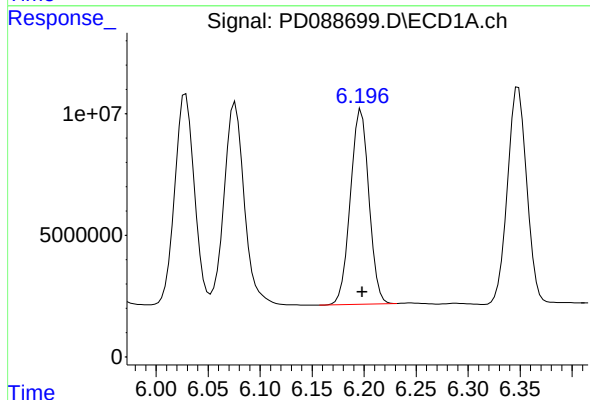
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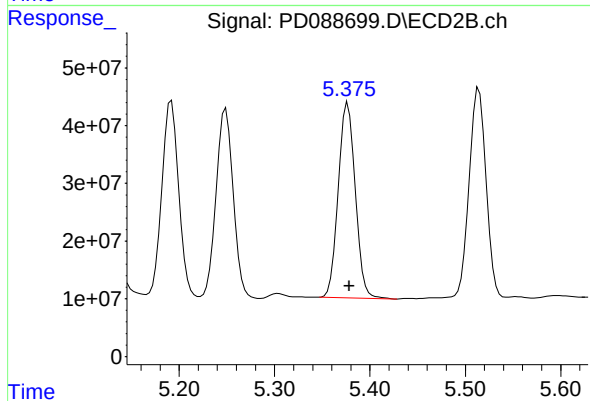
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 424200385
Conc: 20.57 ng/ml



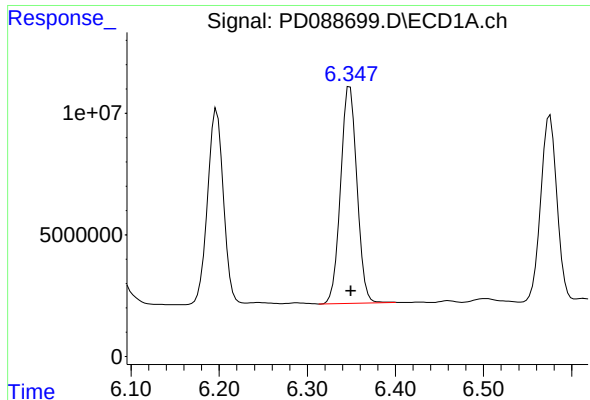
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: -0.001 min
Response: 99463161
Conc: 27.71 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.002 min
Response: 418159637
Conc: 20.01 ng/ml



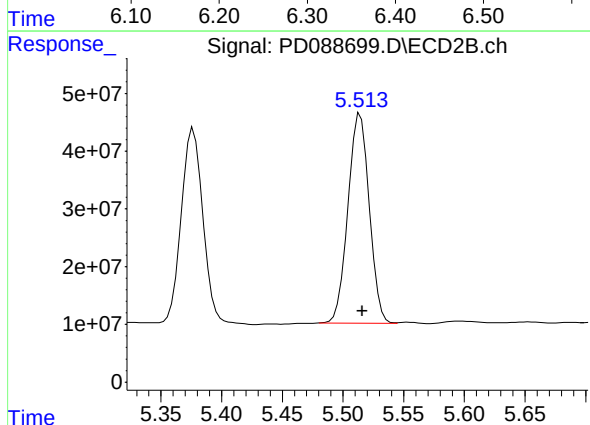
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: -0.001 min
Response: 115062463
Conc: 28.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

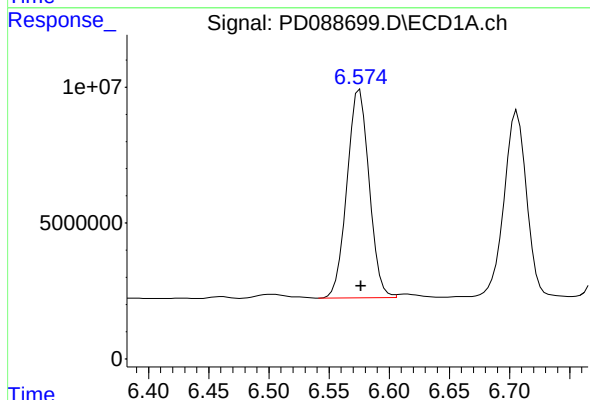
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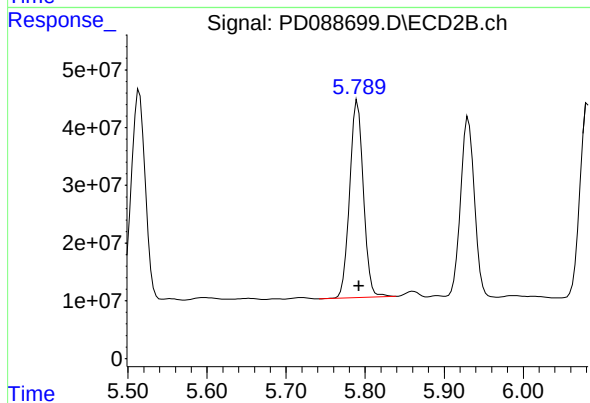
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 444541948
Conc: 21.12 ng/ml



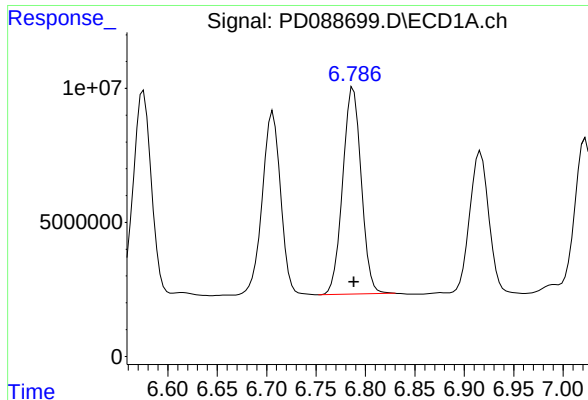
#14 Endrin

R.T.: 6.576 min
Delta R.T.: -0.001 min
Response: 98417222
Conc: 28.82 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 411740053
Conc: 21.35 ng/ml



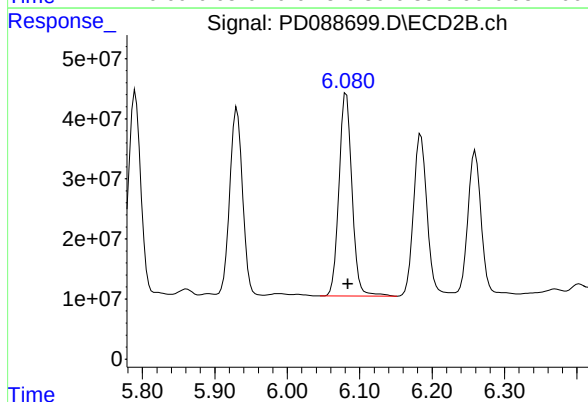
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 100501983
Conc: 29.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

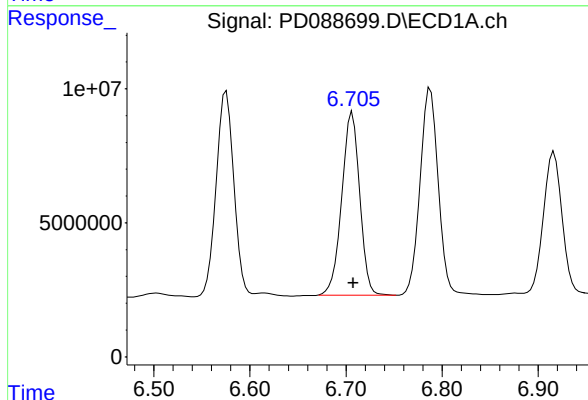
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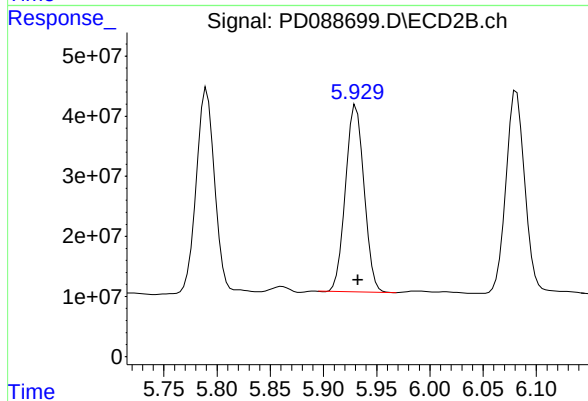
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: -0.002 min
Response: 420703448
Conc: 22.96 ng/ml



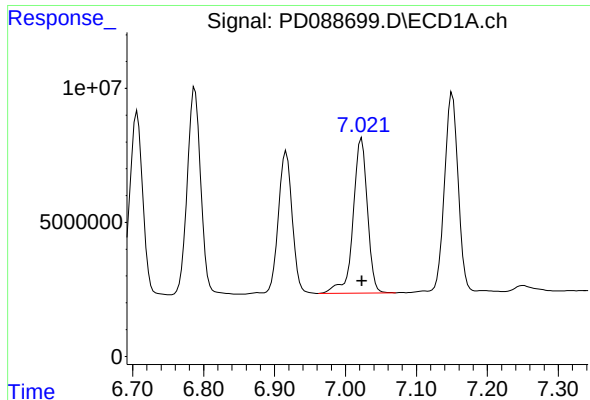
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.001 min
Response: 88049903
Conc: 31.61 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 375636664
Conc: 21.60 ng/ml



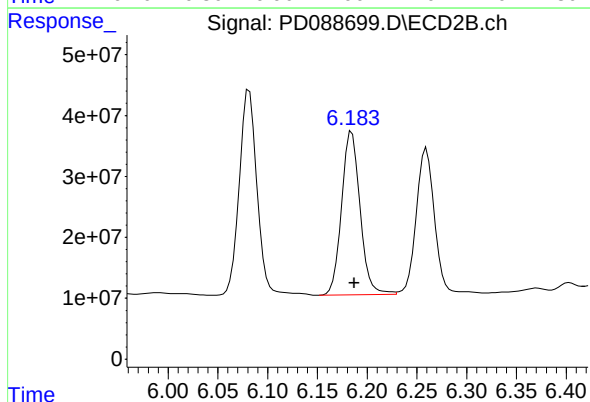
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 80812675
Conc: 25.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

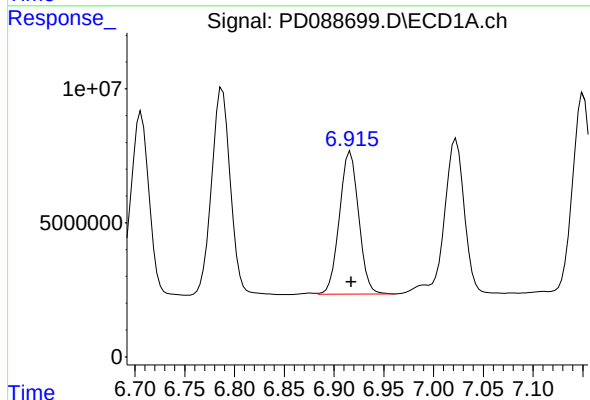
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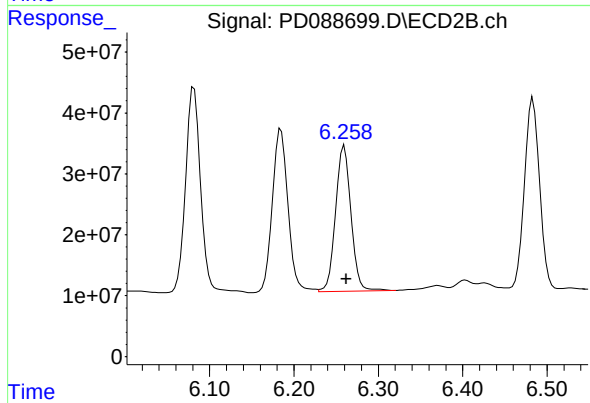
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 348222662
Conc: 19.20 ng/ml



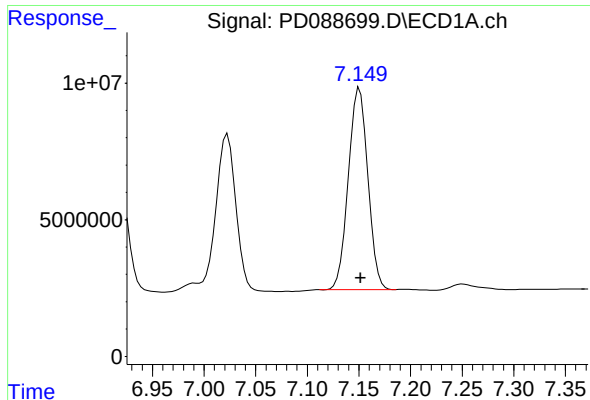
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 71536313
Conc: 27.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 304008111
Conc: 21.83 ng/ml



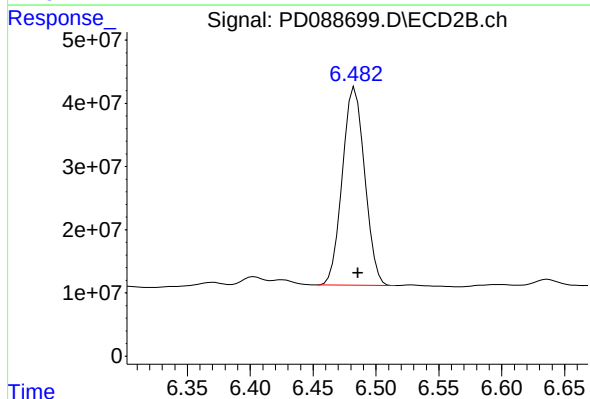
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 97101497
Conc: 30.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

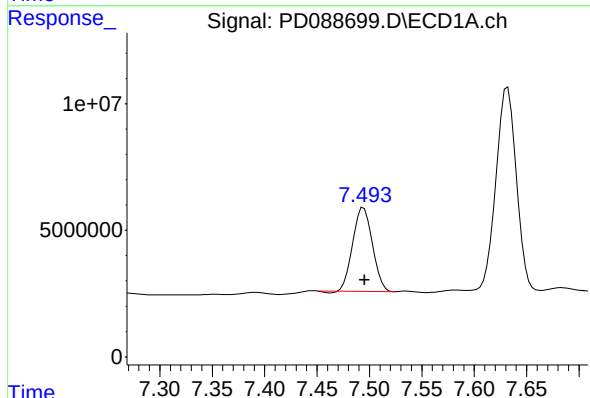
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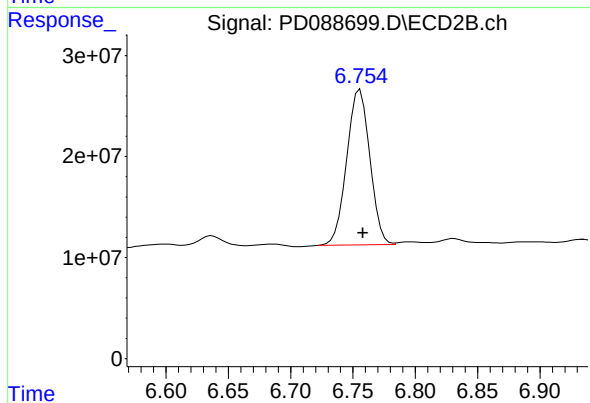
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 386206751
Conc: 21.75 ng/ml



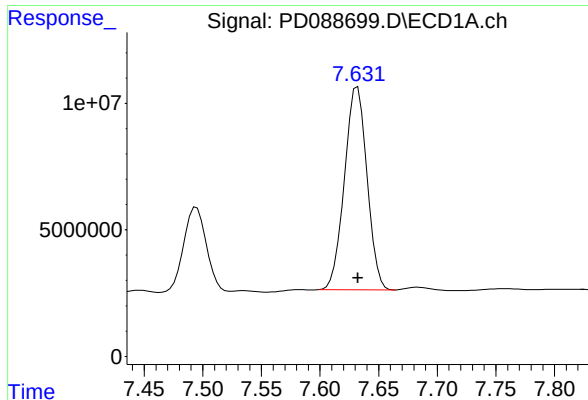
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 43496305
Conc: 26.04 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 198681062
Conc: 20.75 ng/ml



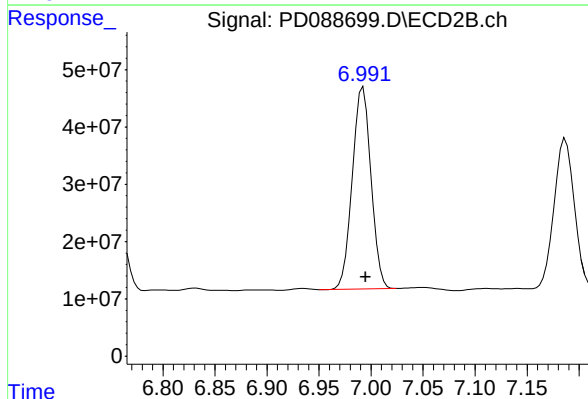
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 107330114
Conc: 31.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

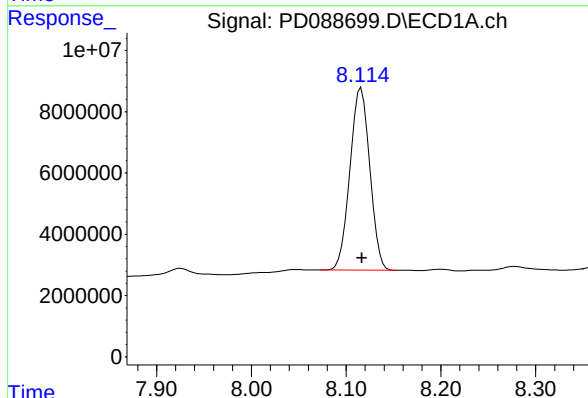
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Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



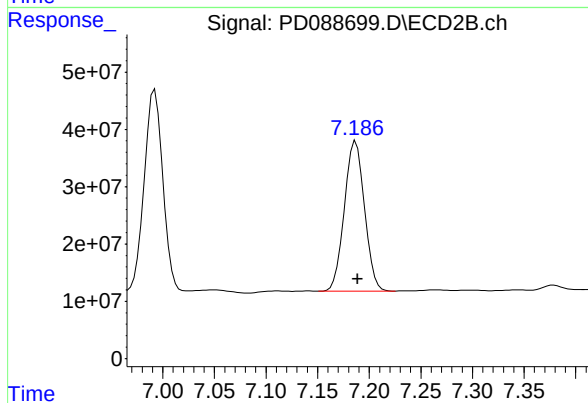
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 440608464
Conc: 22.77 ng/ml



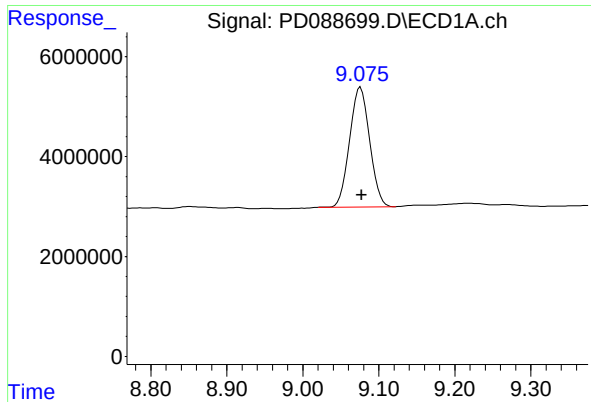
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 86696379
Conc: 33.37 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 355426685
Conc: 23.38 ng/ml



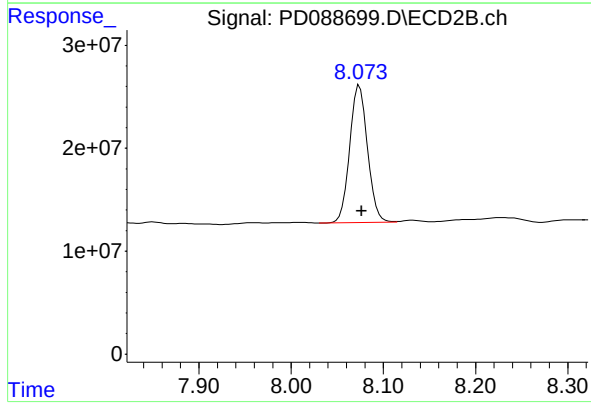
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.001 min
Response: 44118624
Conc: 12.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
VNJ-202MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 178909046
Conc: 9.80 ng/ml