

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052825\
 Data File : PD088756.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 May 2025 14:15
 Operator : AR\AJ
 Sample : Q2127-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/29/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 28 15:13:40 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...	3.549	2.880	31276007	252.2E6	14.455	16.675
2) SA Decachlor...	9.077	8.070	68284845	196.6E6	19.953m	10.767m#
Target Compounds						
2) A alpha-BHC	3.998	3.393	193.7E6	894.7E6	40.553	37.429
3) MA gamma-BHC...	4.329	3.729	200.5E6	797.0E6	43.570	35.958
4) MA Heptachlor	4.929	4.082	189.3E6	817.3E6	42.330	36.398
5) MB Aldrin	5.268	4.366	189.7E6	765.5E6	43.176m	34.905m
6) B beta-BHC	4.513	4.023	50332075	359.1E6	27.913m	36.862m#
7) B delta-BHC	4.763	4.261	186.1E6	815.0E6	44.041	36.558
8) B Heptachlo...	5.689	4.871	177.0E6	712.0E6	44.583	35.830m
9) A Endosulfan I	6.073	5.248	169.8E6	571.9E6	45.115	30.135 #
10) B gamma-Chl...	5.944	5.125	159.0E6	885.9E6	39.863	41.530
11) B alpha-Chl...	6.026	5.189	155.2E6	816.5E6	38.730	39.587
12) B 4,4'-DDE	6.195	5.375	143.2E6	619.4E6	39.884	29.631 #
13) MA Dieldrin	6.346	5.511	152.7E6	960.7E6	38.074	45.651
14) MA Endrin	6.573	5.788	162.2E6	641.7E6	47.480	33.278 #
15) B Endosulfa...	6.785	6.077	130.7E6	719.5E6	37.949	39.272m
16) A 4,4'-DDD	6.703	5.929	138.7E6	497.4E6	49.810	28.598 #
17) MA 4,4'-DDT	7.018	6.182	141.9E6	844.0E6	45.439m	46.536
18) B Endrin al...	6.912	6.258	107.1E6	479.4E6	41.596m	34.415
19) B Endosulfa...	7.148	6.480	125.4E6	605.4E6	39.158	34.098m
20) A Methoxychlor	7.490	6.753	58589173	273.8E6	35.072m	28.596
21) B Endrin ke...	7.627	6.990	138.5E6	507.4E6	40.446m	26.226 #
22) Mirex	8.110	7.183	112.7E6	392.3E6	43.383m	25.808m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052825\
Data File : PD088756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:15
Operator : AR\AJ
Sample : Q2127-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

COMP-1MSD

Manual Integrations

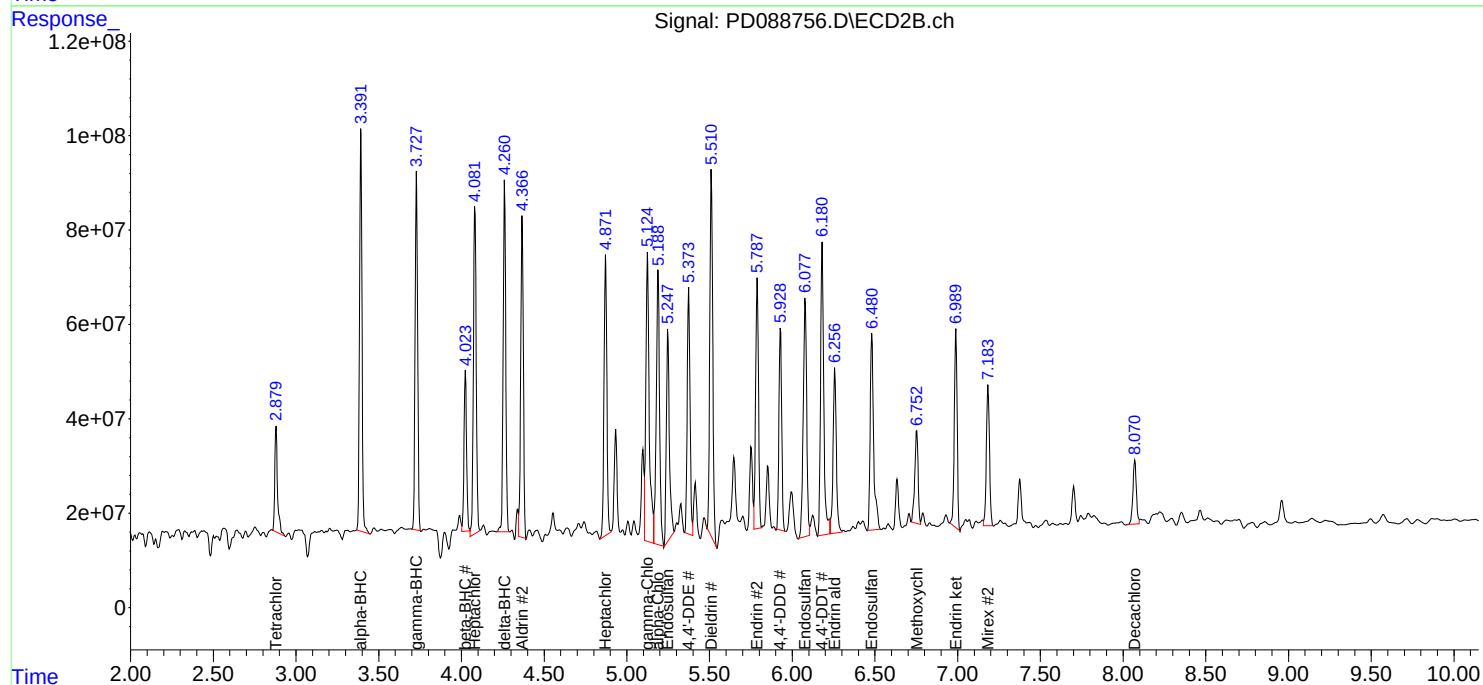
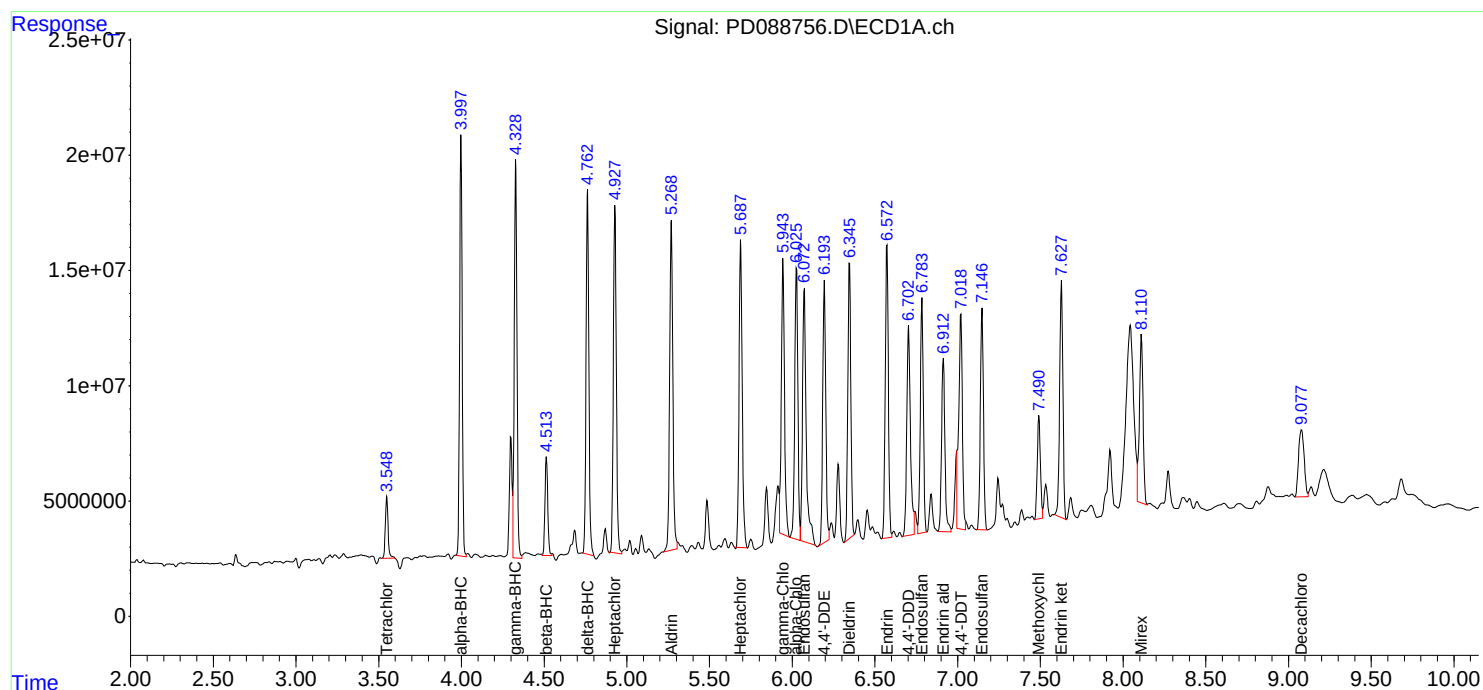
APPROVED

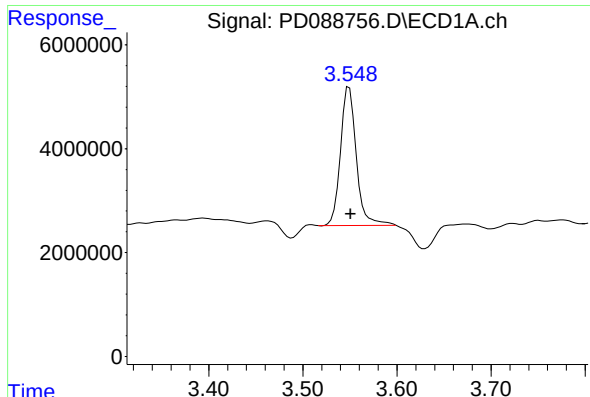
Reviewed By :Abdul Mirza 05/29/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 28 15:13:40 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





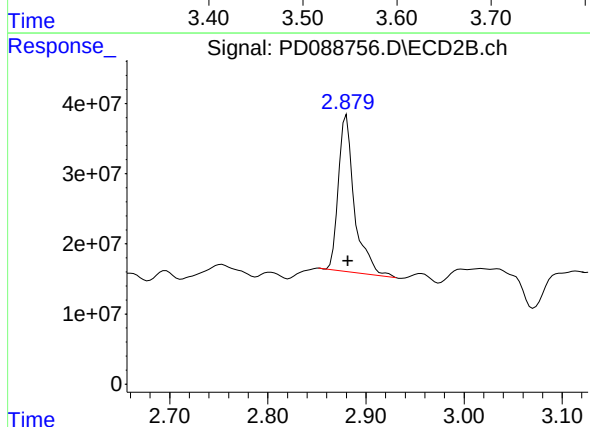
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 31276007
Conc: 14.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

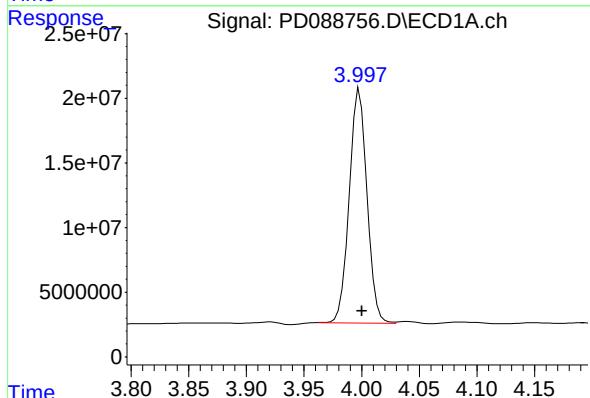
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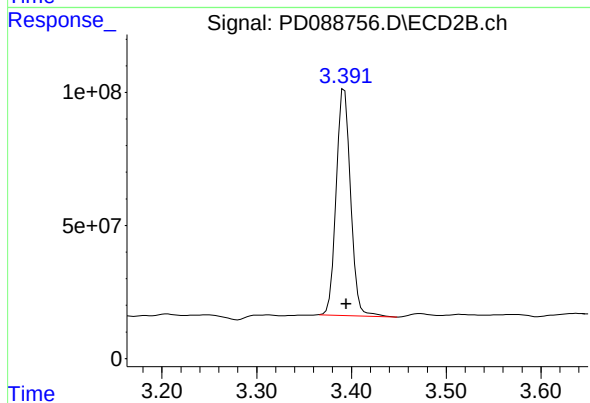
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 252239192
Conc: 16.67 ng/ml



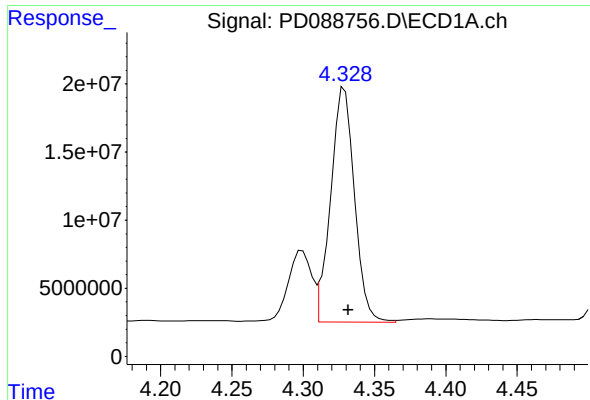
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 193703205
Conc: 40.55 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: -0.002 min
Response: 894689363
Conc: 37.43 ng/ml



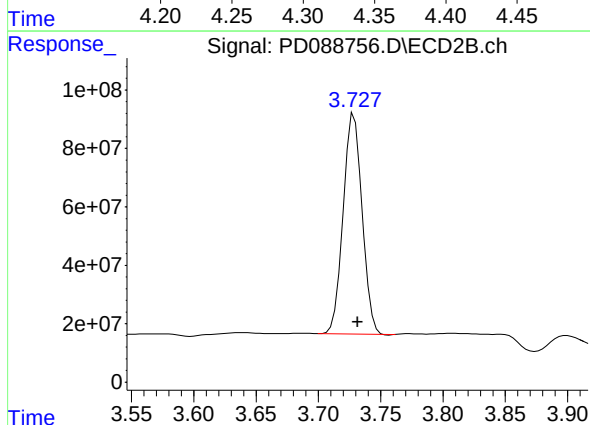
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 200538389
Conc: 43.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

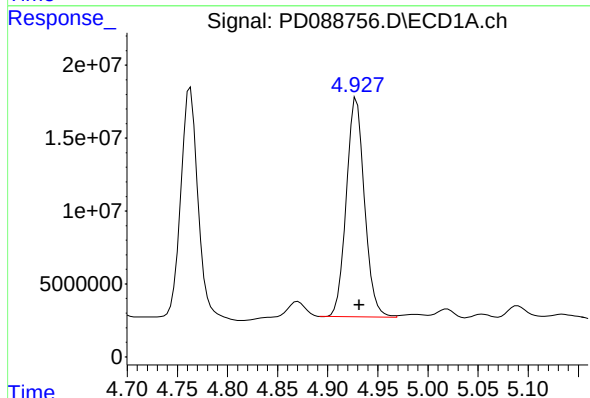
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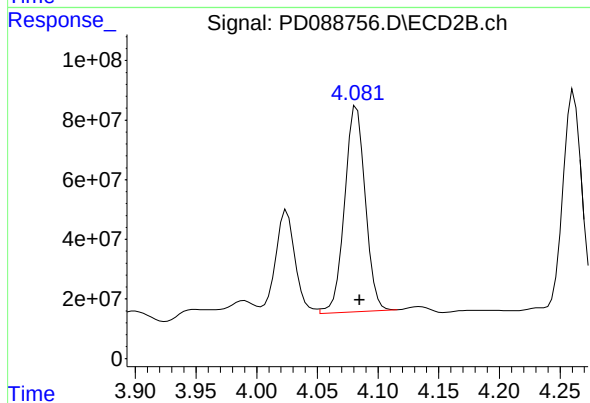
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 797034615
Conc: 35.96 ng/ml



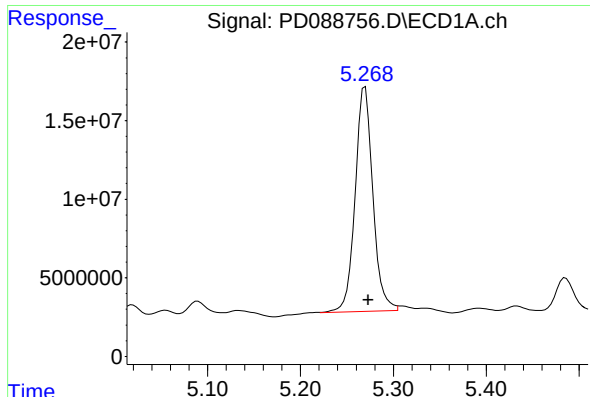
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 189266085
Conc: 42.33 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.002 min
Response: 817316080
Conc: 36.40 ng/ml



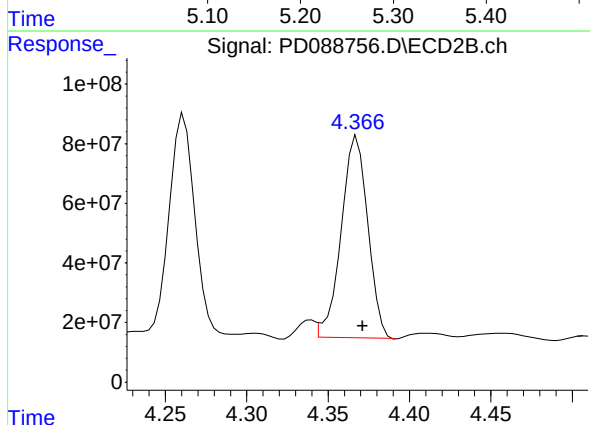
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: -0.005 min
Response: 189739322
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

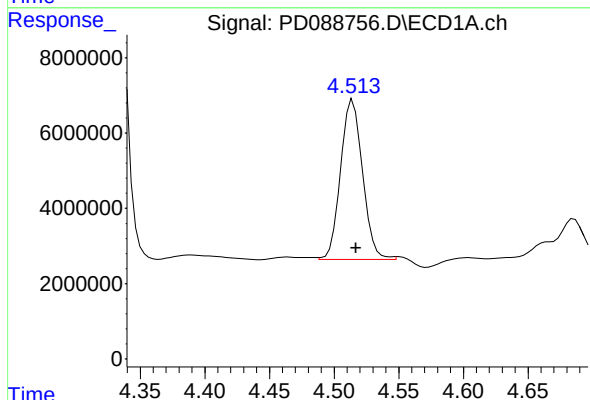
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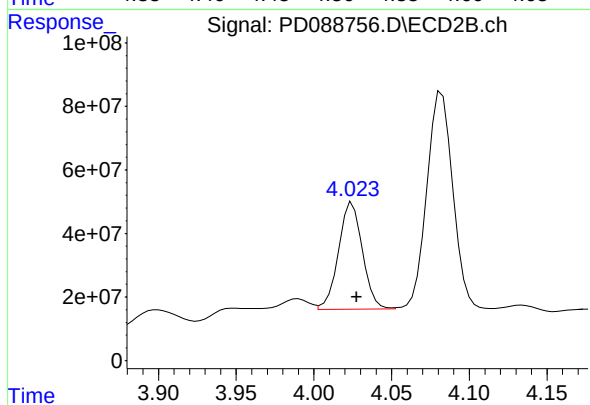
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.005 min
Response: 765461150
Conc: 34.90 ng/ml m



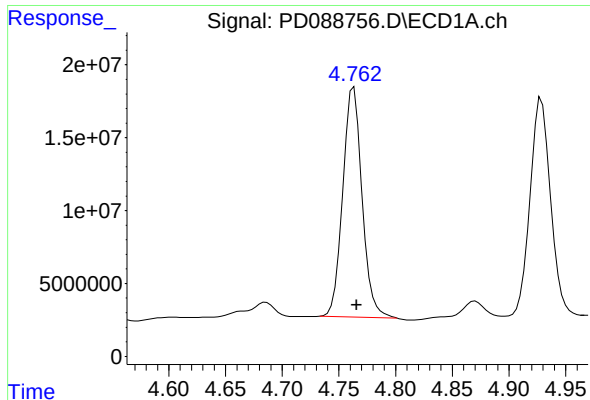
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.004 min
Response: 50332075
Conc: 27.91 ng/ml m



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.004 min
Response: 359107630
Conc: 36.86 ng/ml m



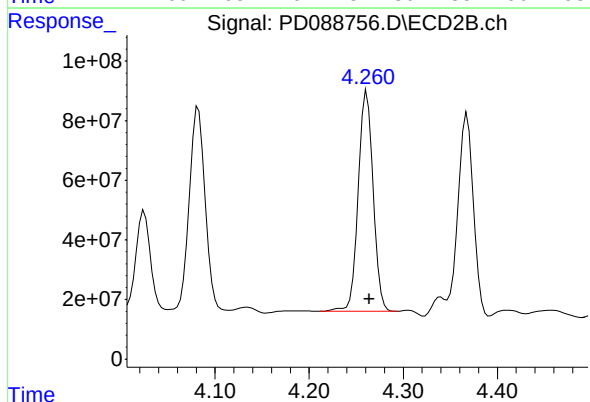
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 186121876
Conc: 44.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

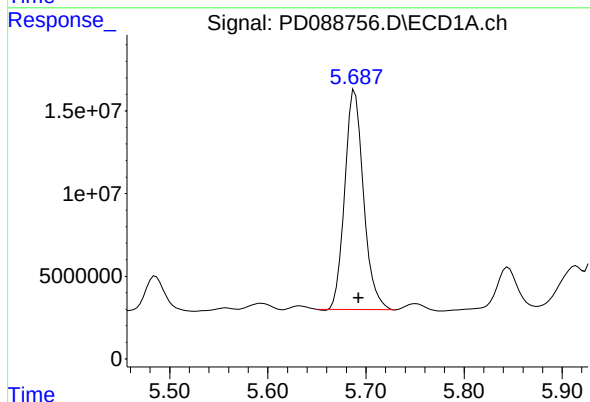
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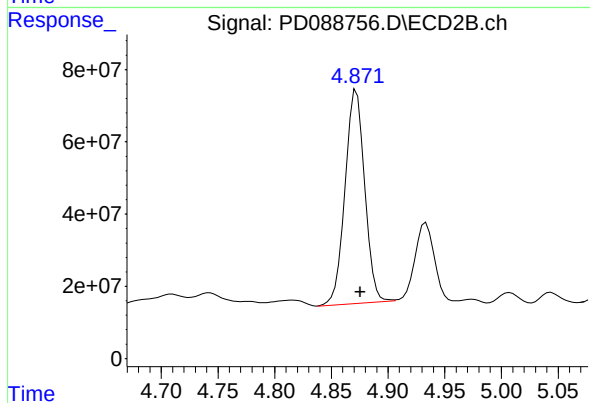
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.002 min
Response: 815019343
Conc: 36.56 ng/ml



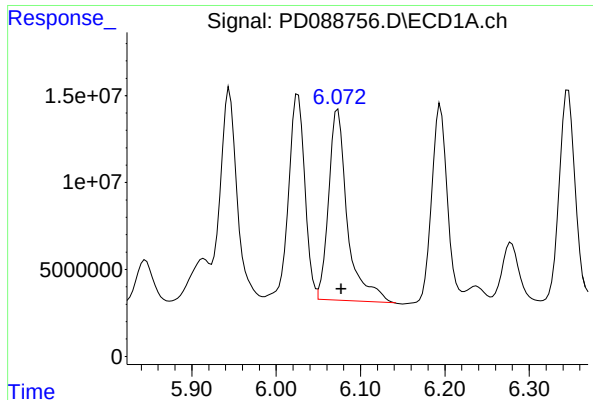
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.004 min
Response: 176964227
Conc: 44.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.005 min
Response: 711990360
Conc: 35.83 ng/ml m



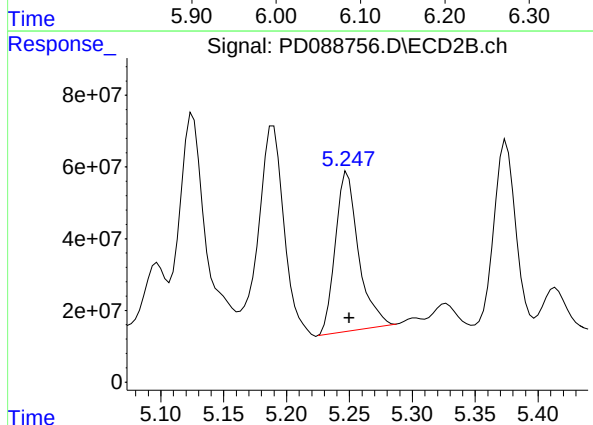
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 169765204
Conc: 45.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

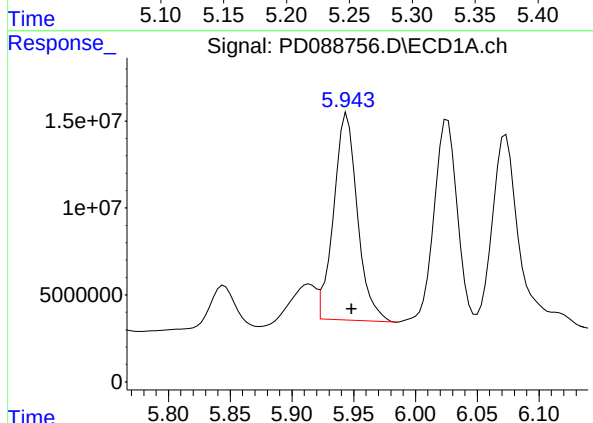
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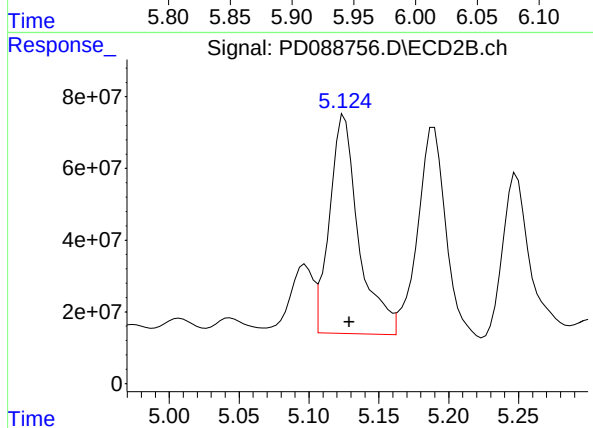
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.001 min
Response: 571918735
Conc: 30.14 ng/ml



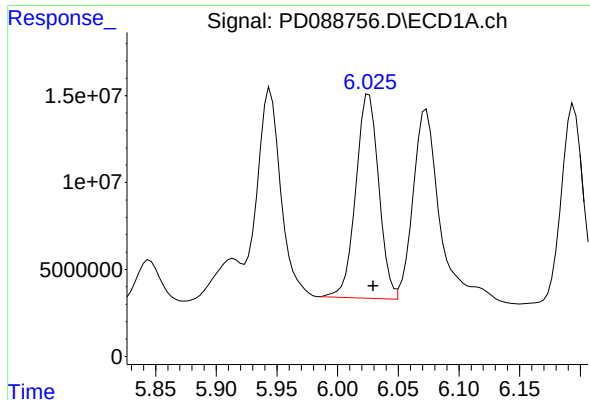
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 159012376
Conc: 39.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 885923041
Conc: 41.53 ng/ml



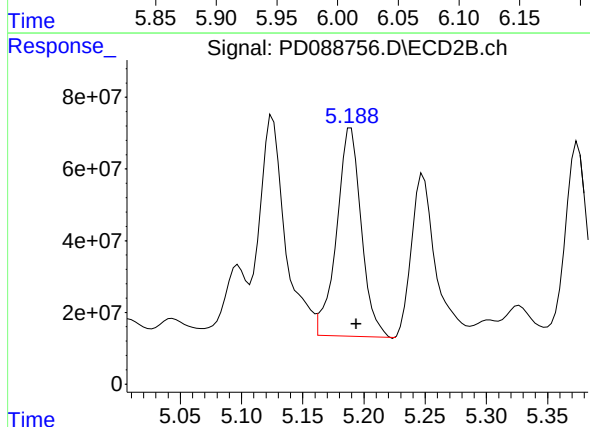
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 155163603
Conc: 38.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

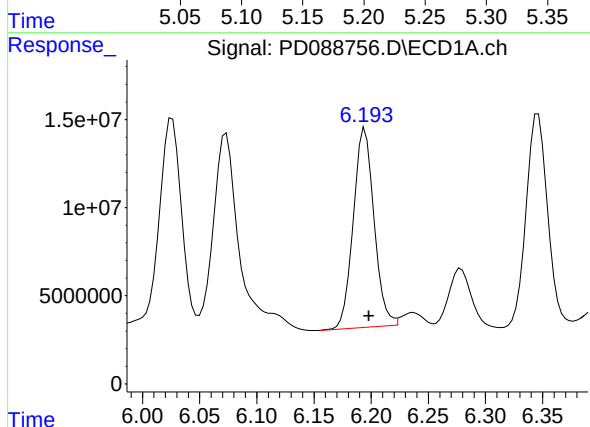
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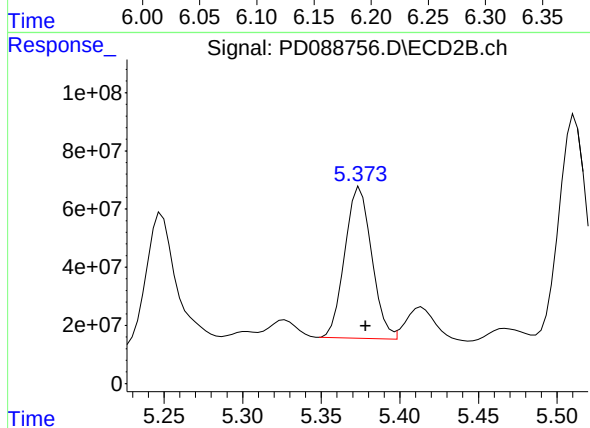
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 816483624
Conc: 39.59 ng/ml



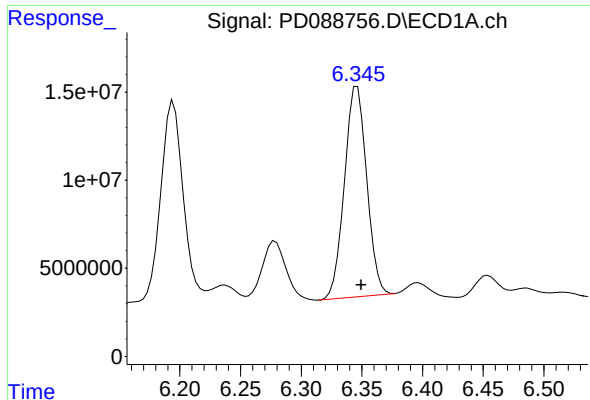
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 143159642
Conc: 39.88 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.004 min
Response: 619370924
Conc: 29.63 ng/ml



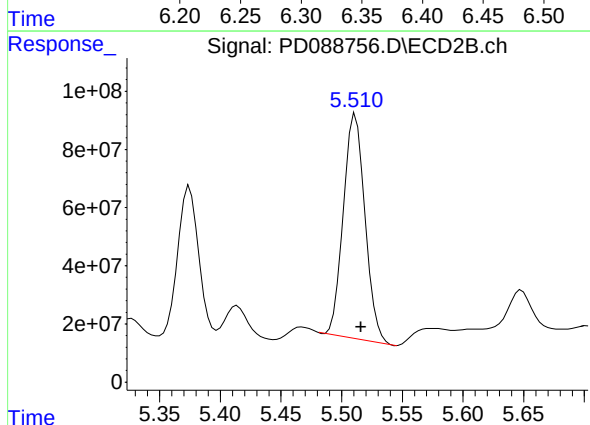
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 152741970
Conc: 38.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

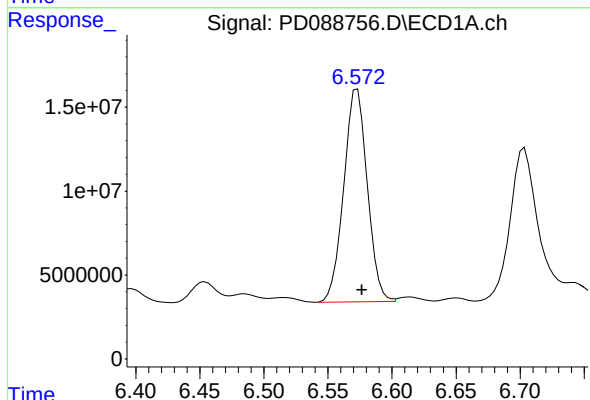
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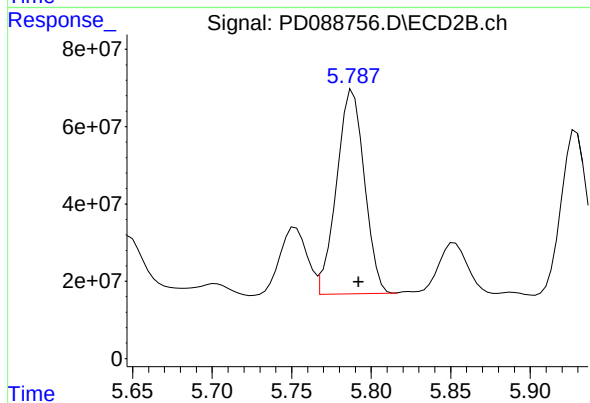
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.004 min
Response: 960685813
Conc: 45.65 ng/ml



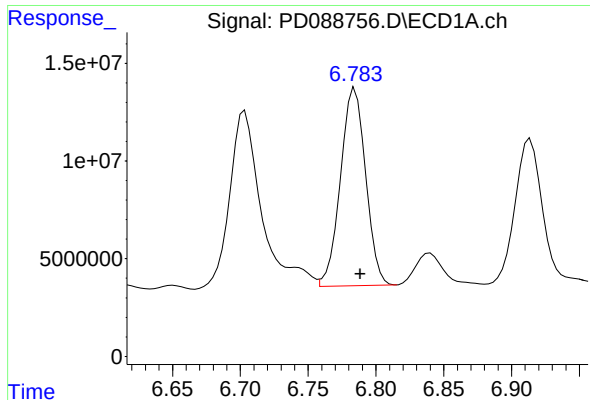
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 162154079
Conc: 47.48 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 641724407
Conc: 33.28 ng/ml



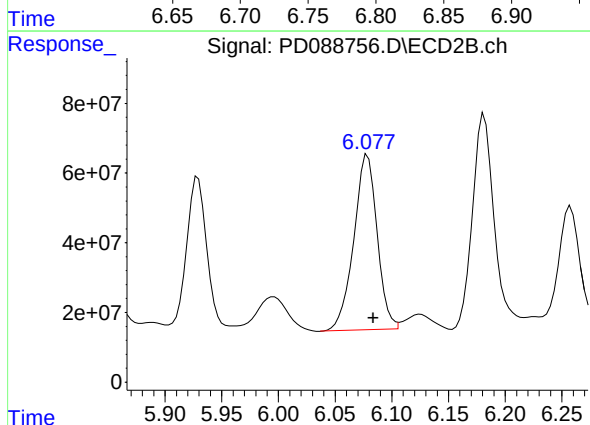
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.004 min
Response: 130680609
Conc: 37.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

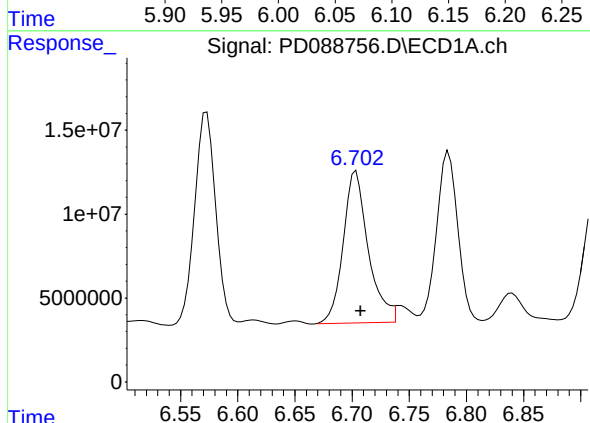
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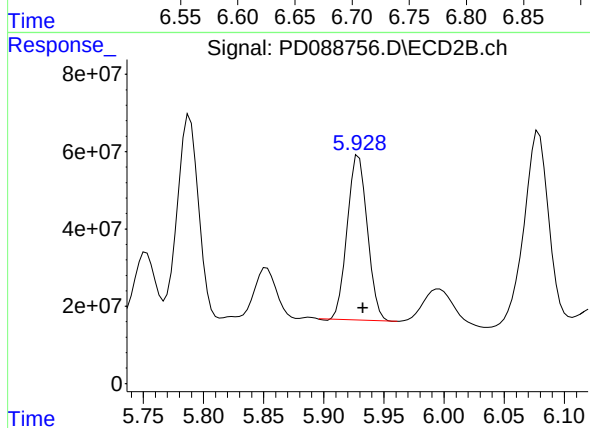
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.007 min
Response: 719532535
Conc: 39.27 ng/ml



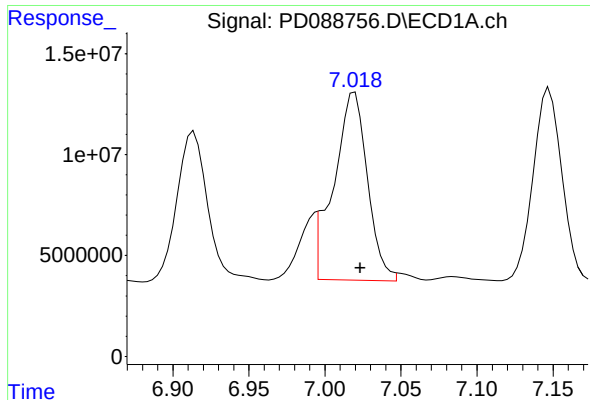
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.004 min
Response: 138725606
Conc: 49.81 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 497387278
Conc: 28.60 ng/ml



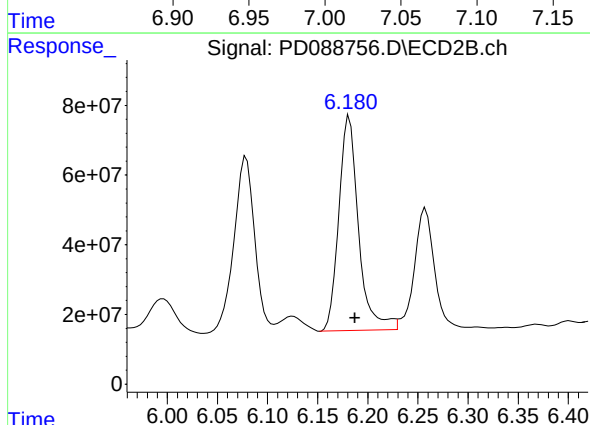
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.005 min
Response: 141861564
Conc: 45.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

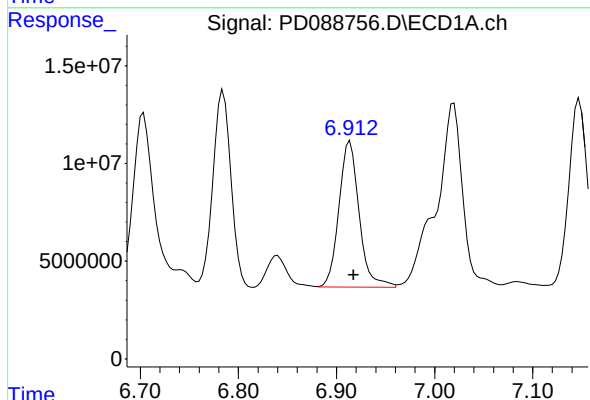
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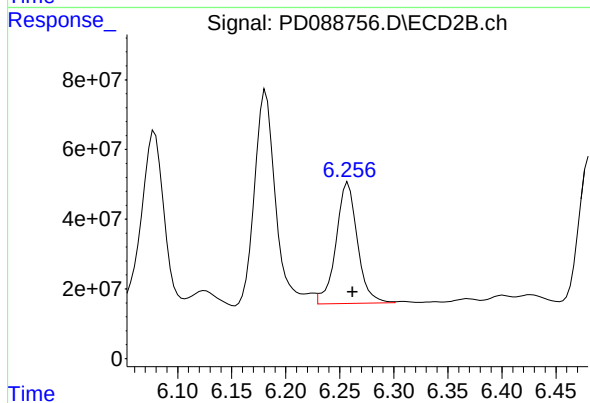
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.006 min
Response: 844048130
Conc: 46.54 ng/ml



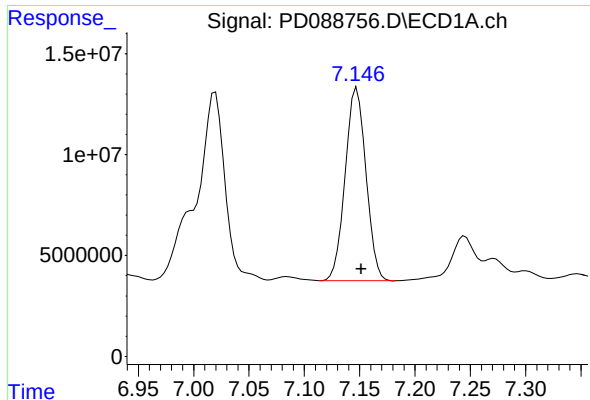
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.005 min
Response: 107094343
Conc: 41.60 ng/ml m



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 479358170
Conc: 34.42 ng/ml



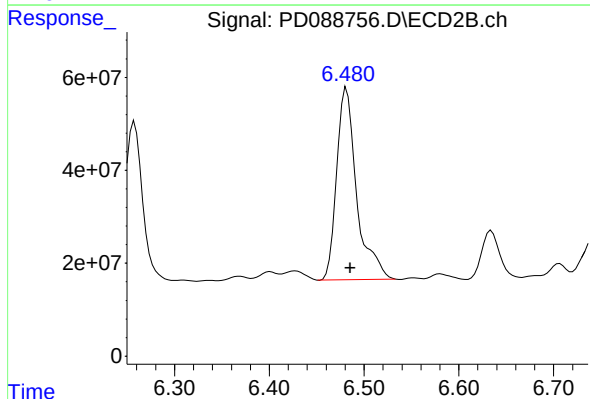
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 125424862
Conc: 39.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

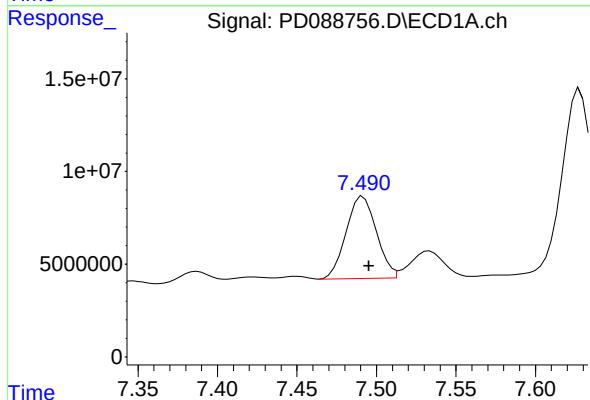
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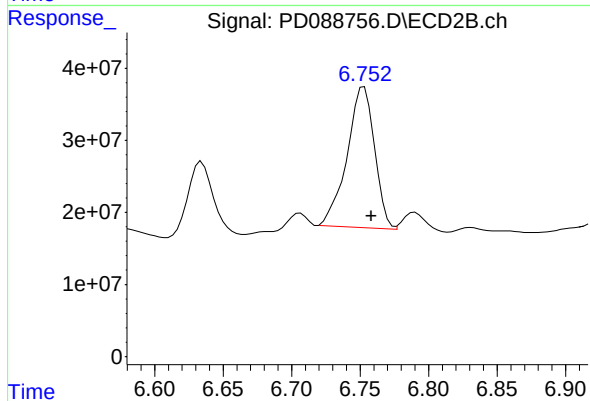
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.006 min
Response: 605446137
Conc: 34.10 ng/ml m



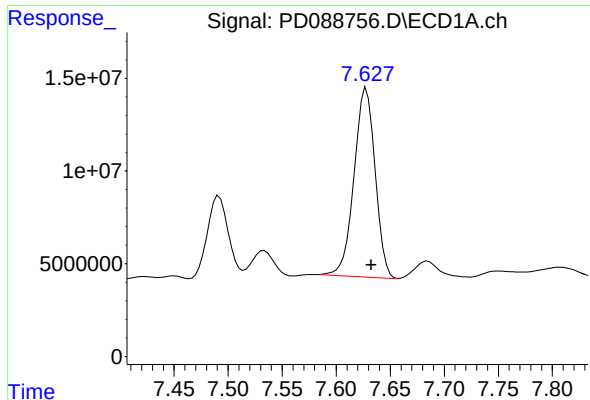
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.005 min
Response: 58589173
Conc: 35.07 ng/ml m



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 273803825
Conc: 28.60 ng/ml



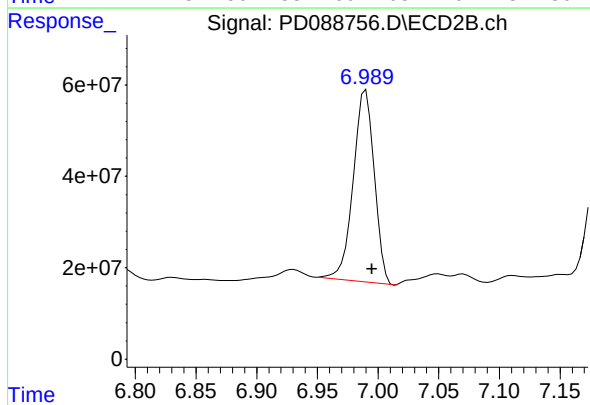
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.006 min
Response: 138454431
Conc: 40.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

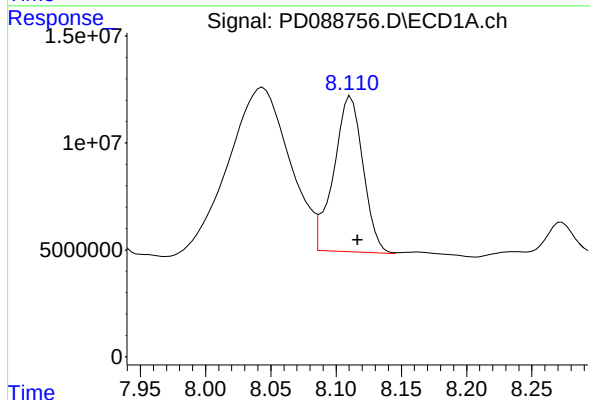
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



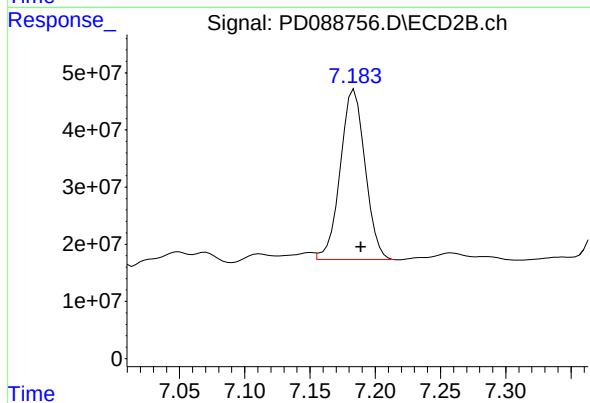
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 507403767
Conc: 26.23 ng/ml



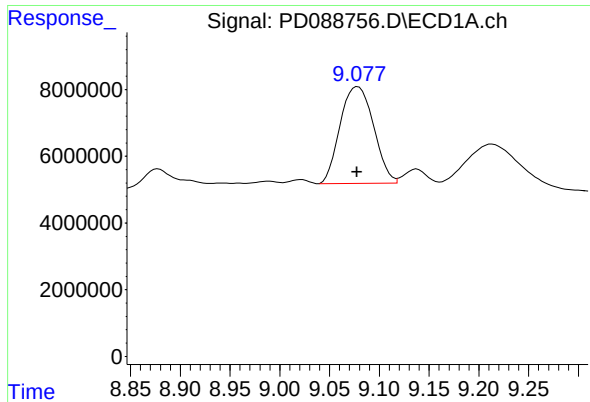
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.007 min
Response: 112719995
Conc: 43.38 ng/ml m



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.006 min
Response: 392340323
Conc: 25.81 ng/ml m



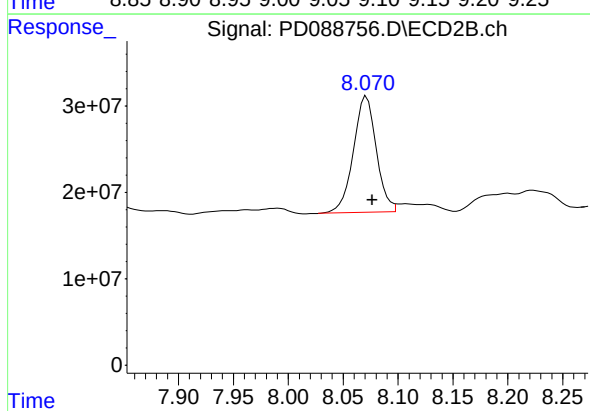
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 68284845
Conc: 19.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.007 min
Response: 196566810
Conc: 10.77 ng/ml m