

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD043025\
 Data File : PD088359.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 14:28
 Operator : AR\AJ
 Sample : Q1912-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-EMSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 01 00:23:47 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...	3.551	2.882	37478030	277.1E6	18.763	18.954
28)	SA Decachlor...	9.077	8.076	82843109	278.2E6	25.042m	15.056 #
Target Compounds							
2)	A alpha-BHC	4.000	3.395	218.8E6	1052.9E6	50.748	46.057
3)	MA gamma-BHC...	4.331	3.732	220.0E6	940.1E6	52.537	43.645
4)	MA Heptachlor	4.931	4.085	195.5E6	941.6E6	48.406	44.005
5)	MB Aldrin	5.271	4.370	203.9E6	906.8E6	51.626m	43.591m
6)	B beta-BHC	4.515	4.026	63728077	420.9E6	39.256m	45.482m
7)	B delta-BHC	4.764	4.264	208.0E6	949.7E6	50.422	44.665
8)	B Heptachlo...	5.692	4.875	172.7E6	843.7E6	48.313	44.652
9)	A Endosulfan I	6.075	5.251	192.8E6	836.6E6	57.092	46.445
10)	B gamma-Chl...	5.947	5.128	182.8E6	915.6E6	50.472	45.110
11)	B alpha-Chl...	6.028	5.193	182.3E6	881.3E6	50.514	44.956
12)	B 4,4'-DDE	6.196	5.376	130.6E6	786.3E6	39.602m	39.924m
13)	MA Dieldrin	6.349	5.514	176.8E6	950.5E6	49.532	47.683m
14)	MA Endrin	6.576	5.791	149.8E6	827.7E6	50.240	45.475m
15)	B Endosulfa...	6.787	6.082	138.0E6	765.5E6	44.138	43.688m
16)	A 4,4'-DDD	6.704	5.931	134.3E6	641.0E6	53.399m	39.117m#
17)	MA 4,4'-DDT	7.022	6.186	119.9E6	591.8E6	43.182	34.779
18)	B Endrin al...	6.916	6.260	118.7E6	544.0E6	51.451	40.897m
19)	B Endosulfa...	7.149	6.483	138.7E6	658.2E6	48.215m	38.416m
20)	A Methoxychlor	7.493	6.757	57654163	299.9E6	38.448m	32.884
21)	B Endrin ke...	7.630	6.991	146.6E6	643.5E6	47.487m	34.404m#
22)	Mirex	8.112	7.187	147.5E6	510.3E6	62.832m	34.432m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD043025\
Data File : PD088359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 14:28
Operator : AR\AJ
Sample : Q1912-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-EMSD

Manual Integrations

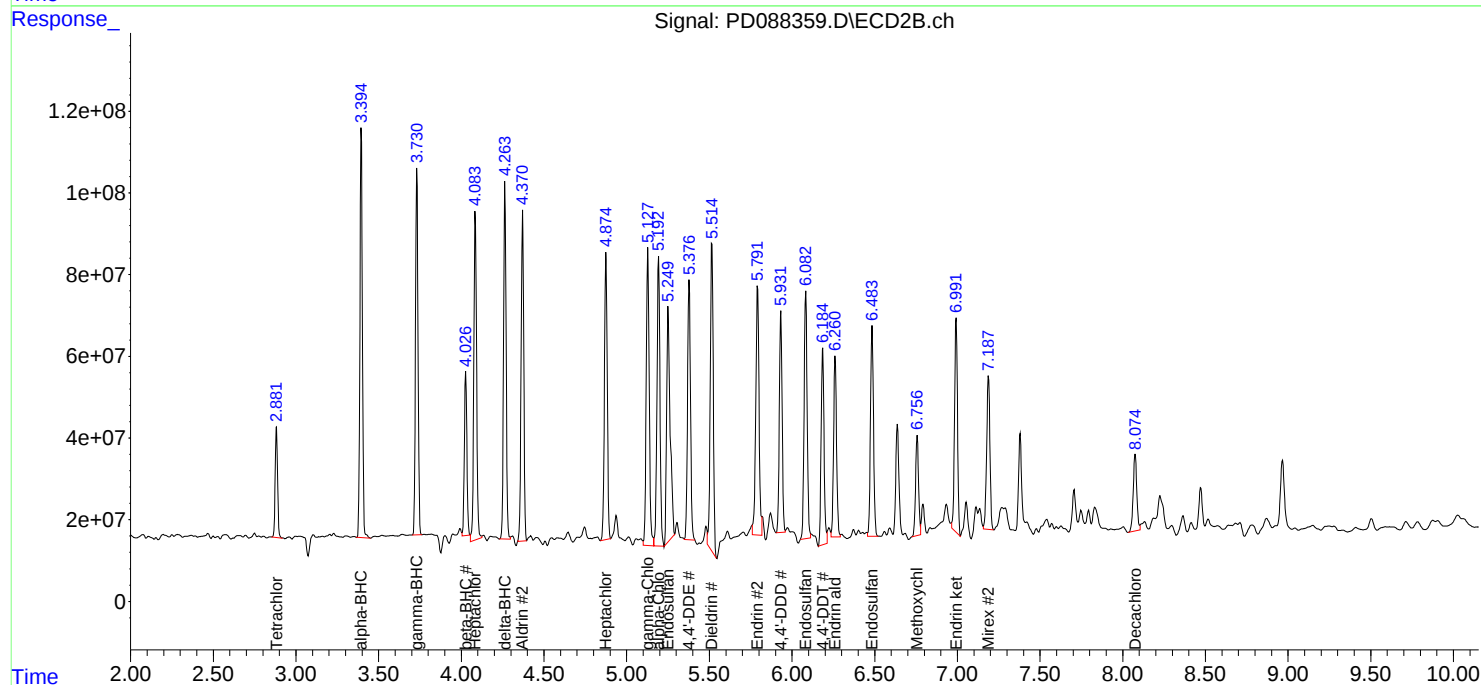
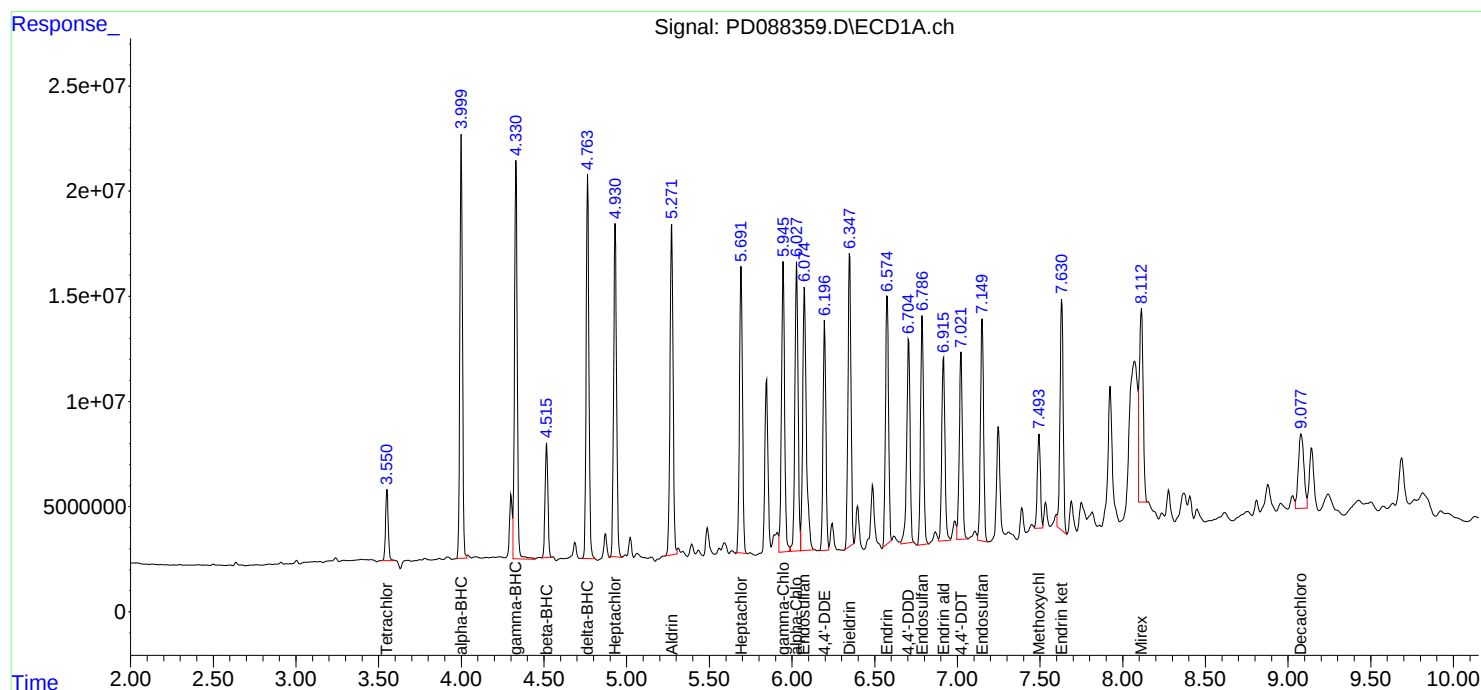
APPROVED

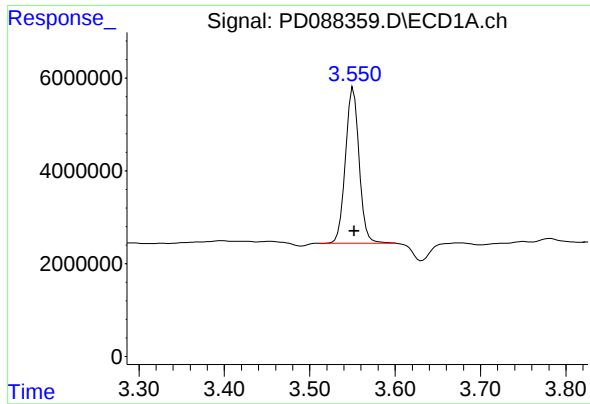
Reviewed By :Abdul Mirza 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 00:23:47 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





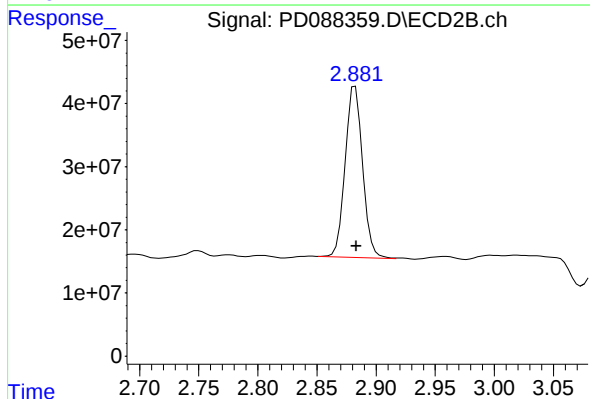
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 37478030
Conc: 18.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

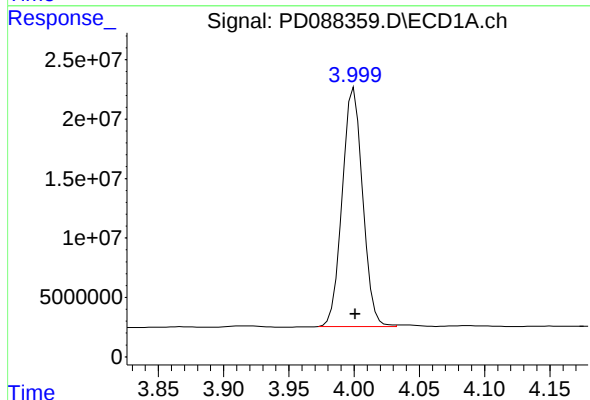
Manual Integrations
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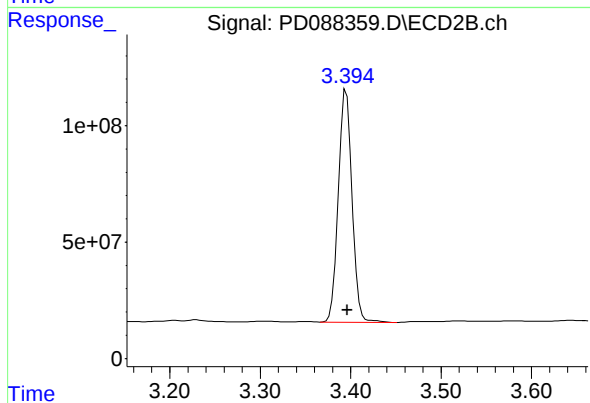
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 277142670
Conc: 18.95 ng/ml



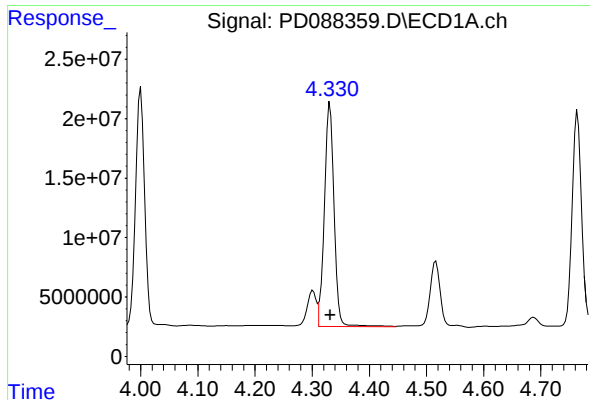
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 218826922
Conc: 50.75 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1052940224
Conc: 46.06 ng/ml



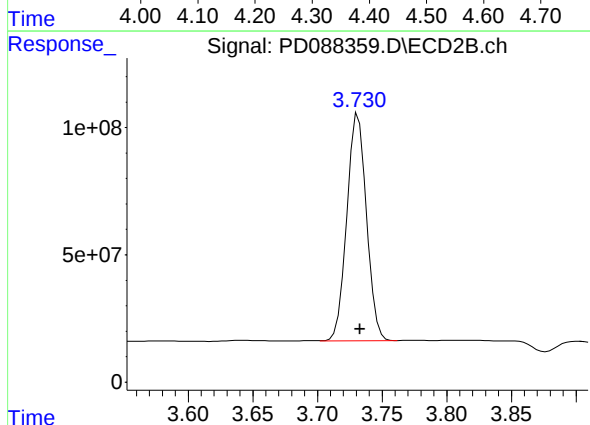
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 219999173
Conc: 52.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

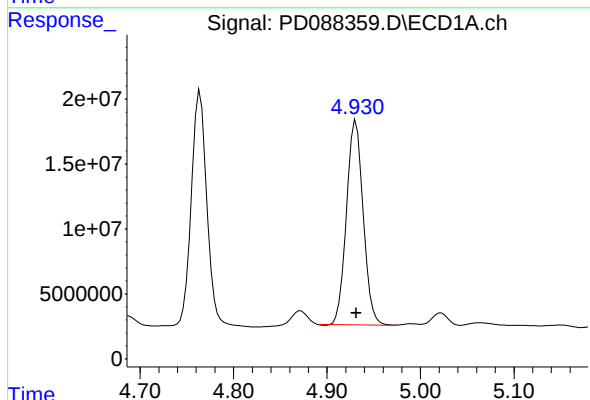
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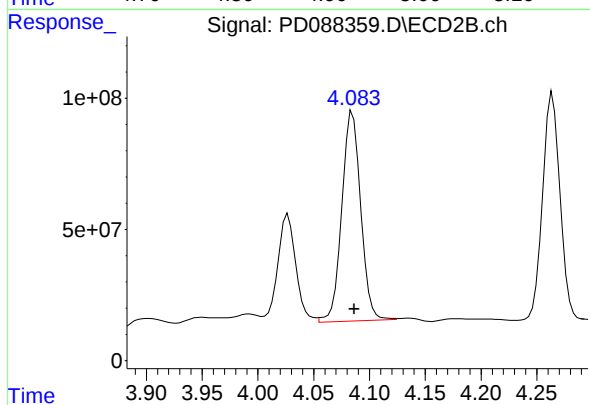
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 940059119
Conc: 43.65 ng/ml



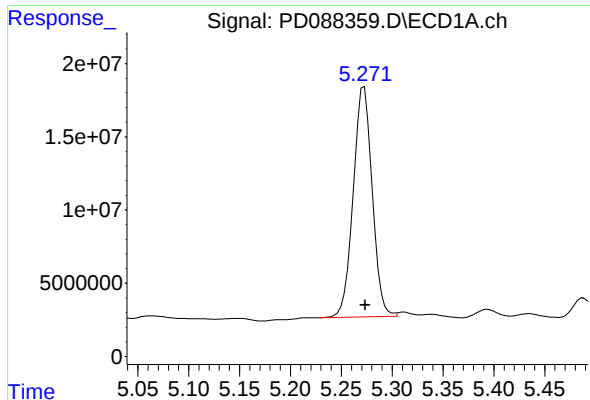
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 195509598
Conc: 48.41 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 941621157
Conc: 44.00 ng/ml



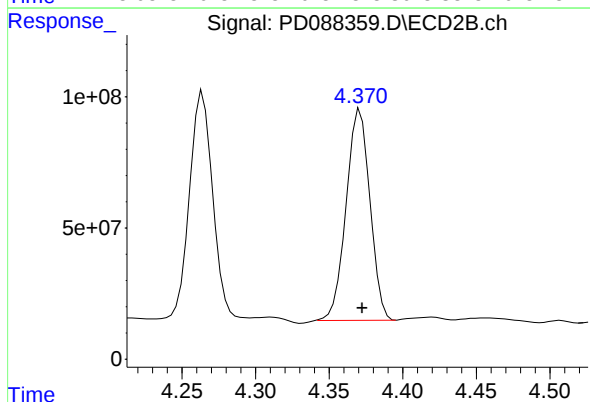
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: -0.002 min
Response: 203900757
Conc: 51.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

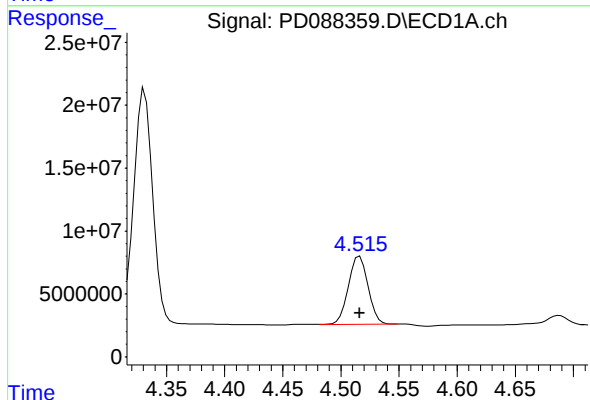
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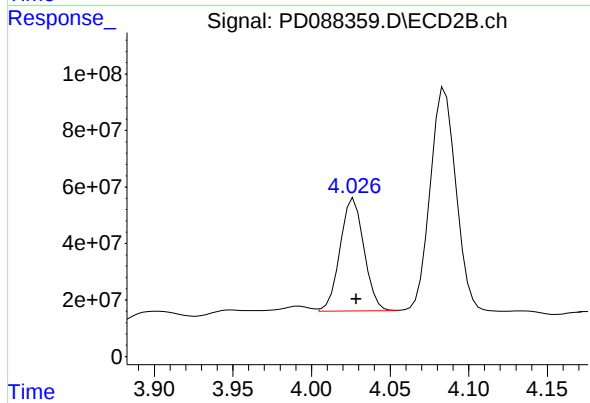
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.003 min
Response: 906811539
Conc: 43.59 ng/ml



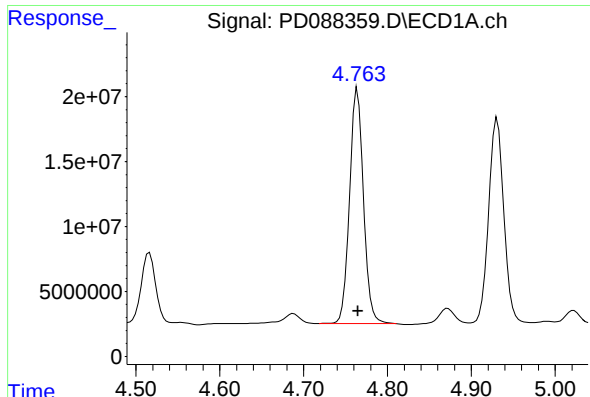
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 63728077
Conc: 39.26 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.003 min
Response: 420899407
Conc: 45.48 ng/ml



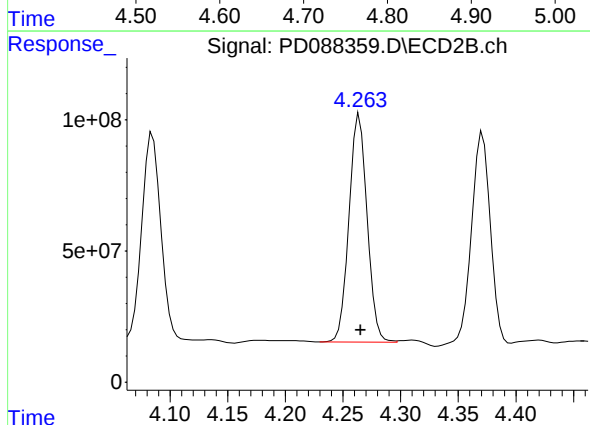
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 207991264
Conc: 50.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

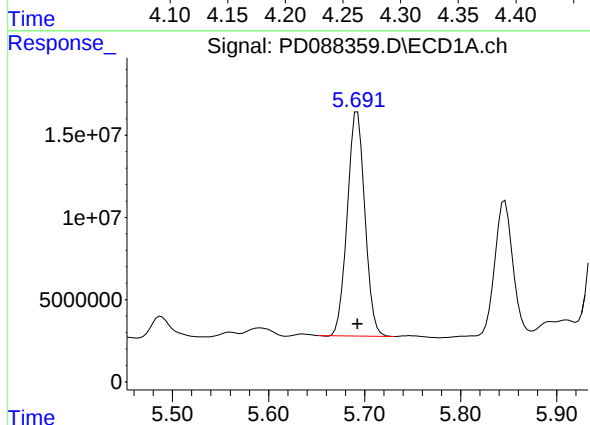
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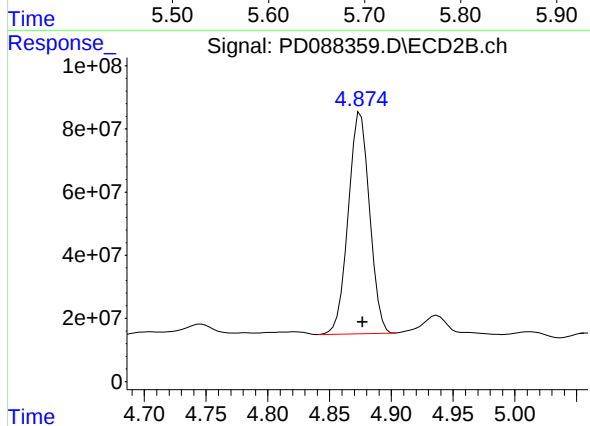
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.001 min
Response: 949653984
Conc: 44.67 ng/ml



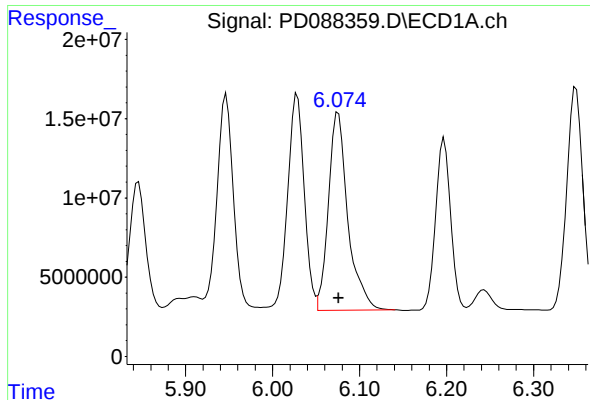
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 172669538
Conc: 48.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 843662499
Conc: 44.65 ng/ml



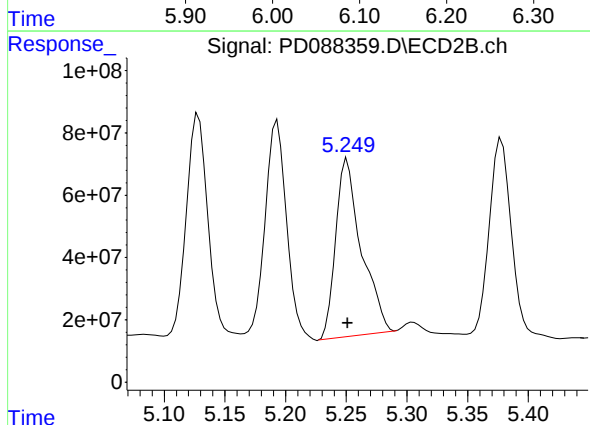
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 192806665
Conc: 57.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

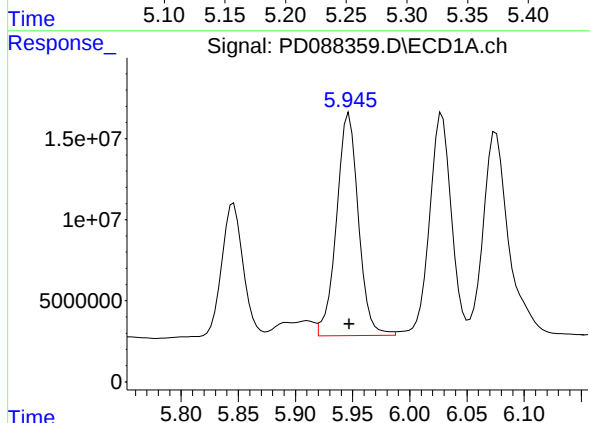
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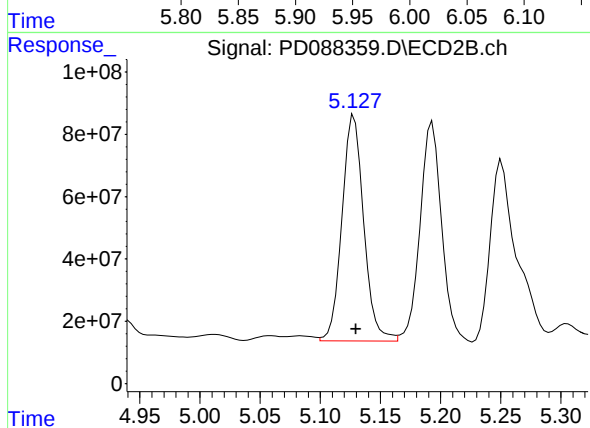
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 836582665
Conc: 46.44 ng/ml



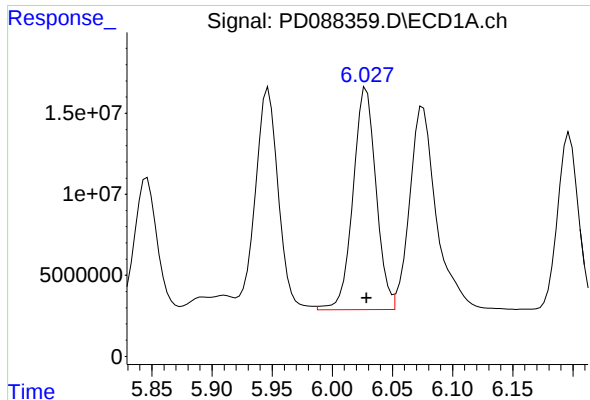
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 182811744
Conc: 50.47 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: -0.001 min
Response: 915560270
Conc: 45.11 ng/ml



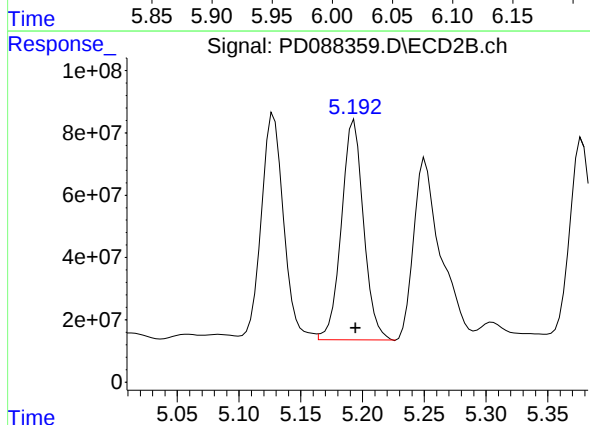
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 182332492
Conc: 50.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

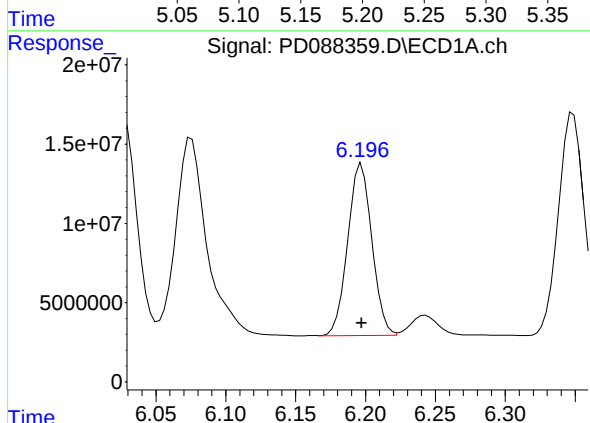
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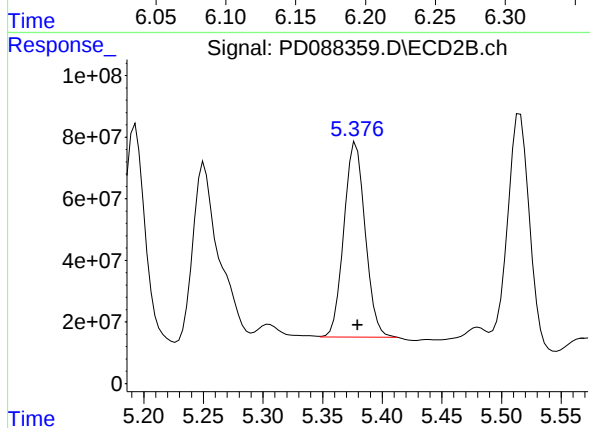
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: -0.001 min
Response: 881253516
Conc: 44.96 ng/ml



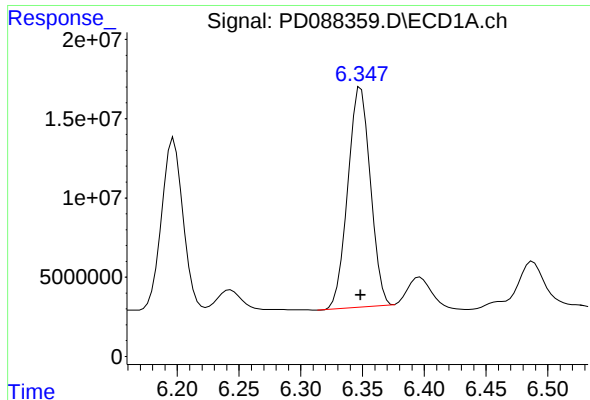
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: -0.001 min
Response: 130616496
Conc: 39.60 ng/ml m



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.003 min
Response: 786255365
Conc: 39.92 ng/ml m



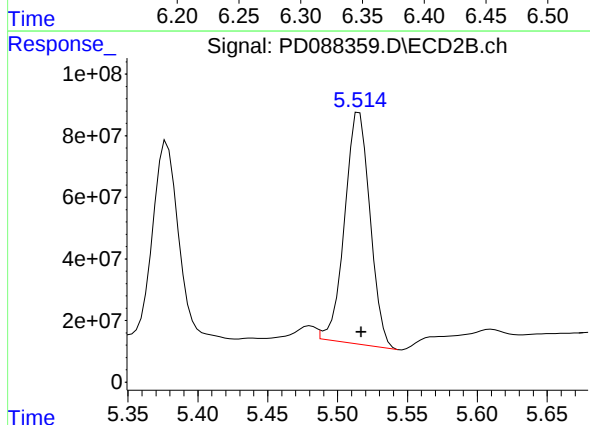
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 176753497
Conc: 49.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

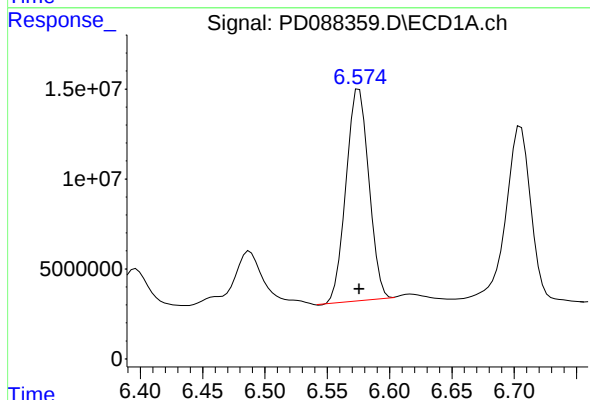
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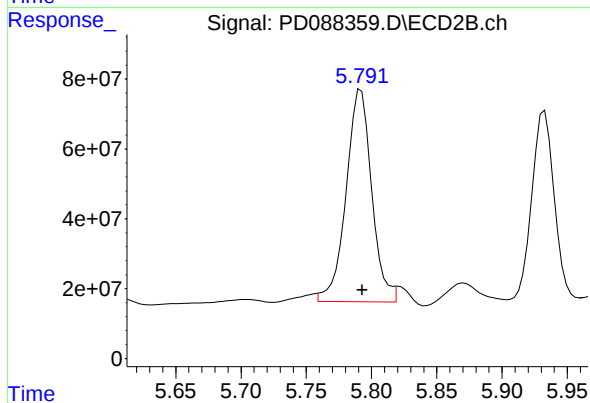
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.003 min
Response: 950467925
Conc: 47.68 ng/ml m



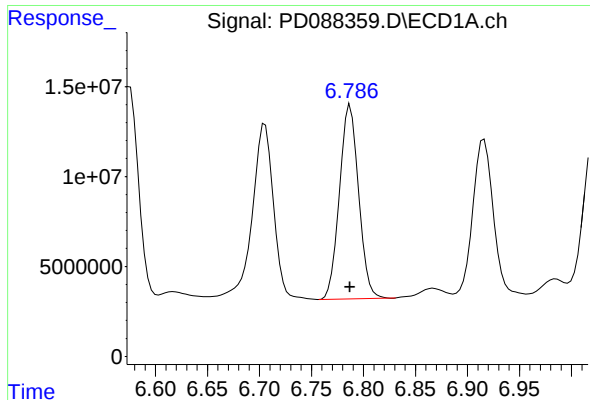
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 149843436
Conc: 50.24 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 827748920
Conc: 45.47 ng/ml m



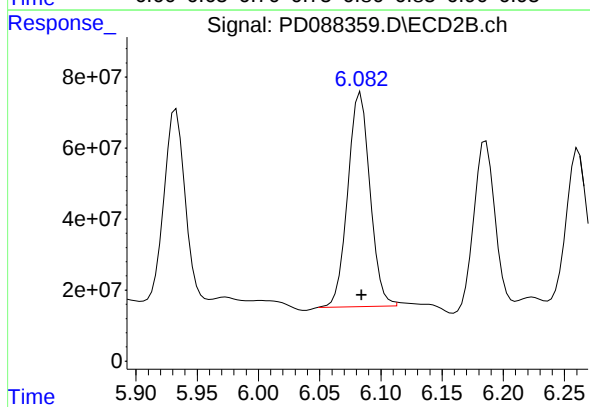
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 137985519
Conc: 44.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

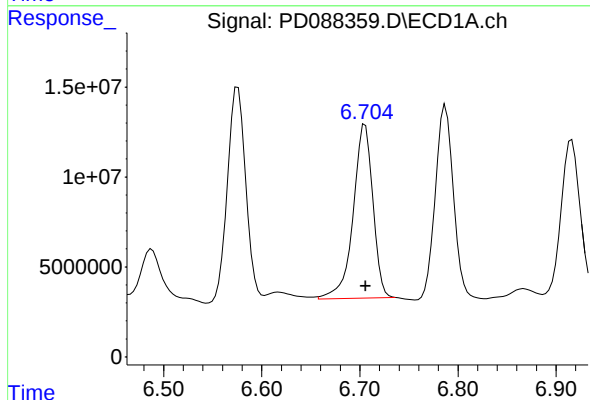
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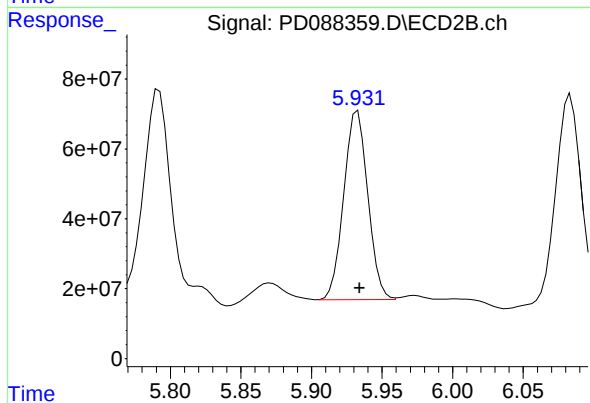
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 765493436
Conc: 43.69 ng/ml m



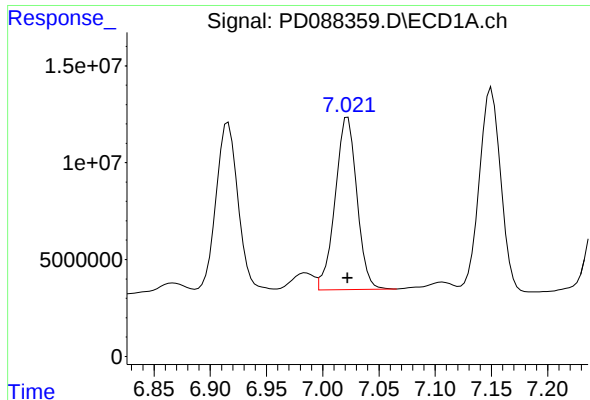
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 134295481
Conc: 53.40 ng/ml m



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 640985238
Conc: 39.12 ng/ml m



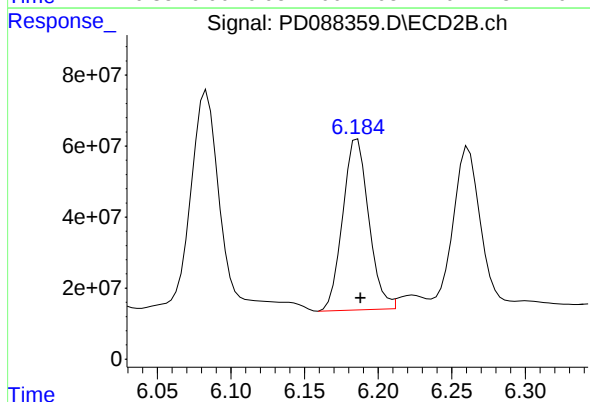
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 119939651
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

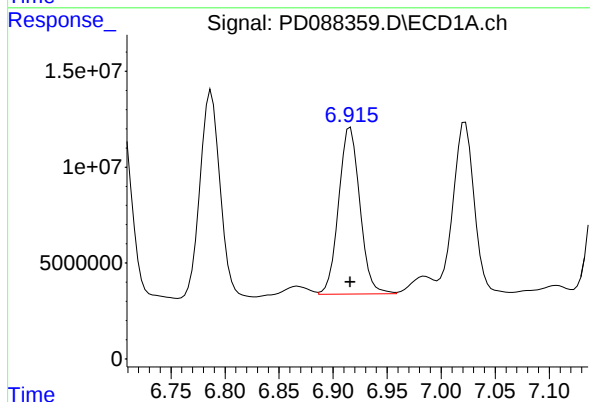
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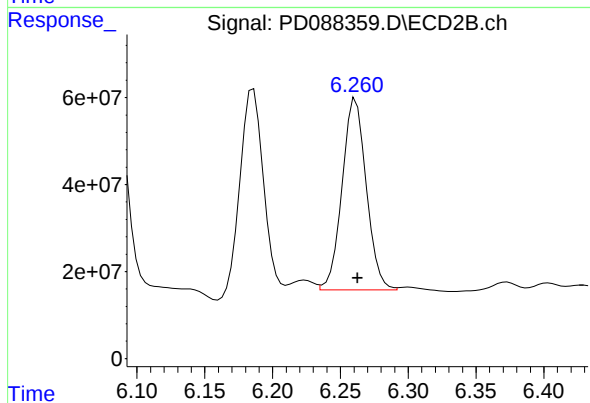
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 591824060
Conc: 34.78 ng/ml



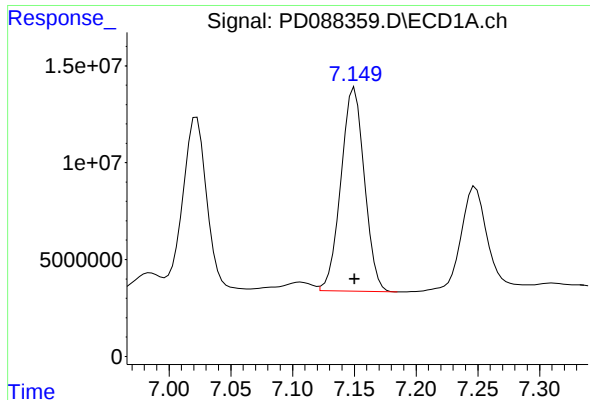
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 118748035
Conc: 51.45 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 543963620
Conc: 40.90 ng/ml m



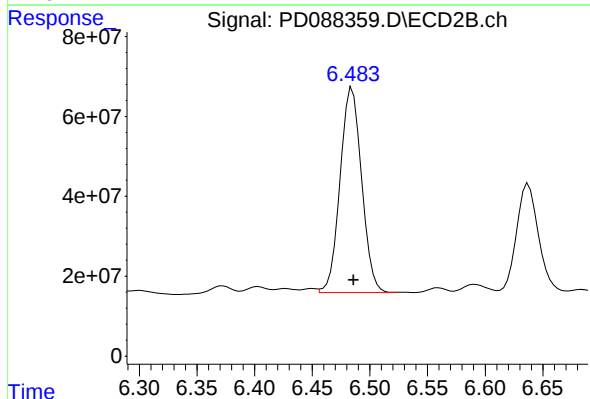
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 138658825
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

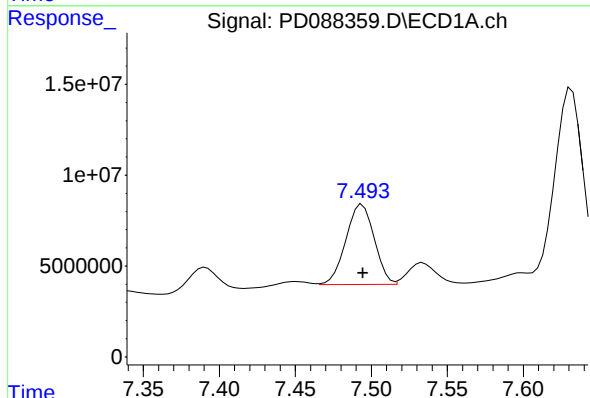
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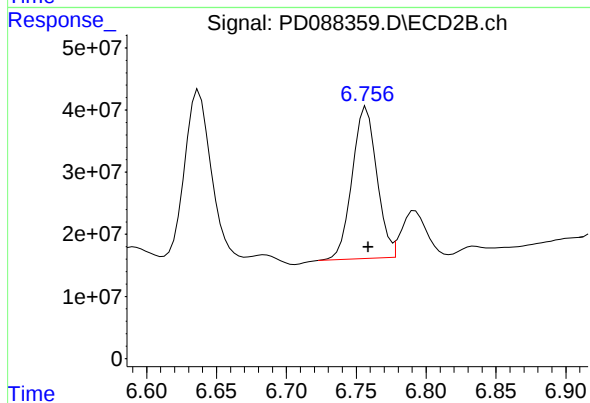
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 658194838
Conc: 38.42 ng/ml



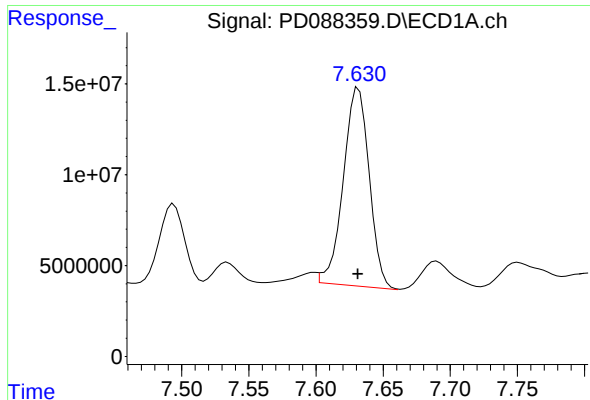
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 57654163
Conc: 38.45 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 299934075
Conc: 32.88 ng/ml



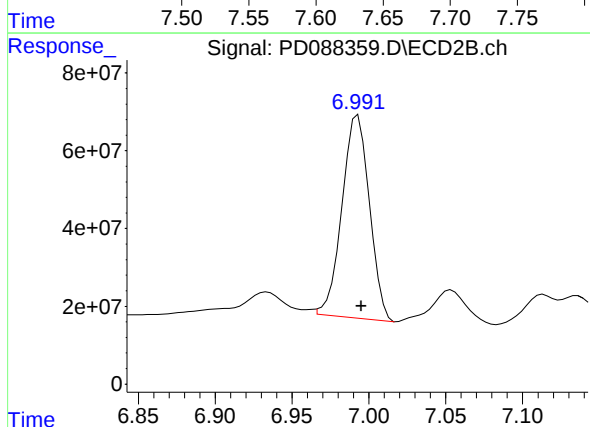
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 146571678
Conc: 47.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

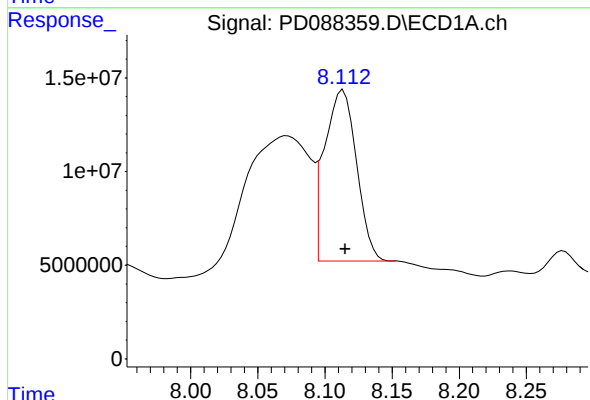
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



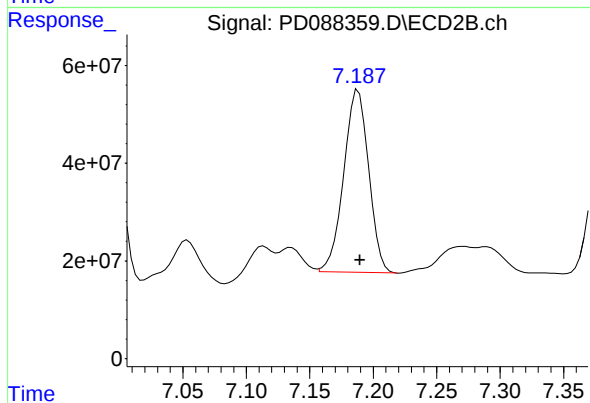
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 643491514
Conc: 34.40 ng/ml



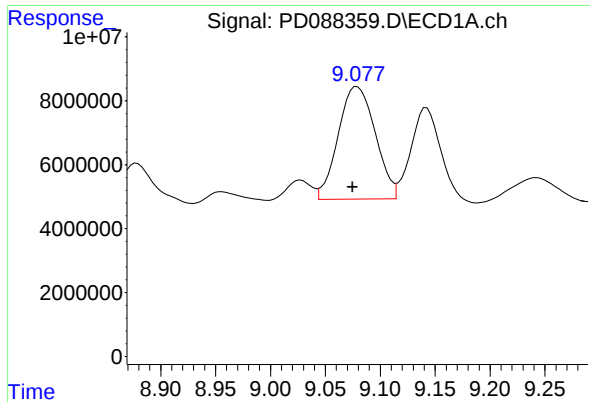
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.003 min
Response: 147548782
Conc: 62.83 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.003 min
Response: 510311845
Conc: 34.43 ng/ml



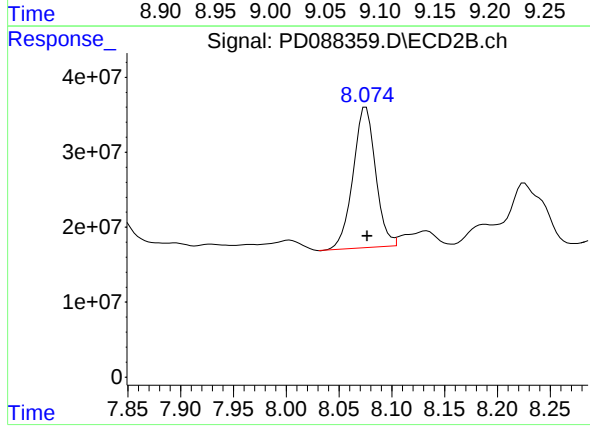
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.002 min
Response: 82843109
Conc: 25.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 278231923
Conc: 15.06 ng/ml