

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 17:15
 Operator : AR\AJ
 Sample : Q2137-05MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MOO-25-0151MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/10/2025
 Supervised By : mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 01:43:17 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...	3.550	2.878	81844191	260.7E6	37.825m	17.232m#
28) SA Decachlor...	9.072	8.071	78030101	345.7E6	22.800	18.938
Target Compounds						
2) A alpha-BHC	3.998	3.390	177.1E6	1241.7E6	37.078	51.947m#
3) MA gamma-BHC...	4.327	3.728	215.8E6	1887.2E6	46.890m	85.139m#
4) MA Heptachlor	4.926	4.083	279.6E6	1299.8E6	62.537	57.885
5) MB Aldrin	5.270	4.366	177.9E6	623.0E6	40.476	28.407m#
6) B beta-BHC	4.514	4.025	122.4E6	345.7E6	67.878	35.490 #
7) B delta-BHC	4.744f	4.259	2039.8E6	1301.2E6	482.672m	58.366m#
8) B Heptachlo...	5.691	4.872	199.7E6	693.4E6	50.323	34.895 #
9) A Endosulfan I	6.073	5.247	161.1E6	677.0E6	42.800	35.674
10) B gamma-Chl...	5.945	5.125	167.4E6	758.4E6	41.972	35.551
11) B alpha-Chl...	6.026	5.189	171.0E6	869.7E6	42.684	42.167
12) B 4,4'-DDE	6.195	5.375	126.9E6	762.0E6	35.352	36.454
13) MA Dieldrin	6.346	5.510	175.3E6	589.2E6	43.702	27.998m#
14) MA Endrin	6.574	5.789	145.7E6	704.1E6	42.670	36.512
15) B Endosulfa...	6.785	6.080	154.8E6	657.0E6	44.941	35.858
16) A 4,4'-DDD	6.704	5.930	111.4E6	541.3E6	40.005	31.122
17) MA 4,4'-DDT	7.020	6.183	150.4E6	620.2E6	48.167	34.192 #
18) B Endrin al...	6.914	6.259	35758646	153.7E6	13.889	11.032
19) B Endosulfa...	7.148	6.482	137.6E6	628.8E6	42.961	35.415
20) A Methoxychlor	7.492	6.754	69549977	338.8E6	41.633	35.384
21) B Endrin ke...	7.629	6.991	148.6E6	713.2E6	43.406	36.861
22) Mirex	8.113	7.184	115.7E6	542.1E6	44.522	35.656

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
Data File : PD088846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:15
Operator : AR\AJ
Sample : Q2137-05MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

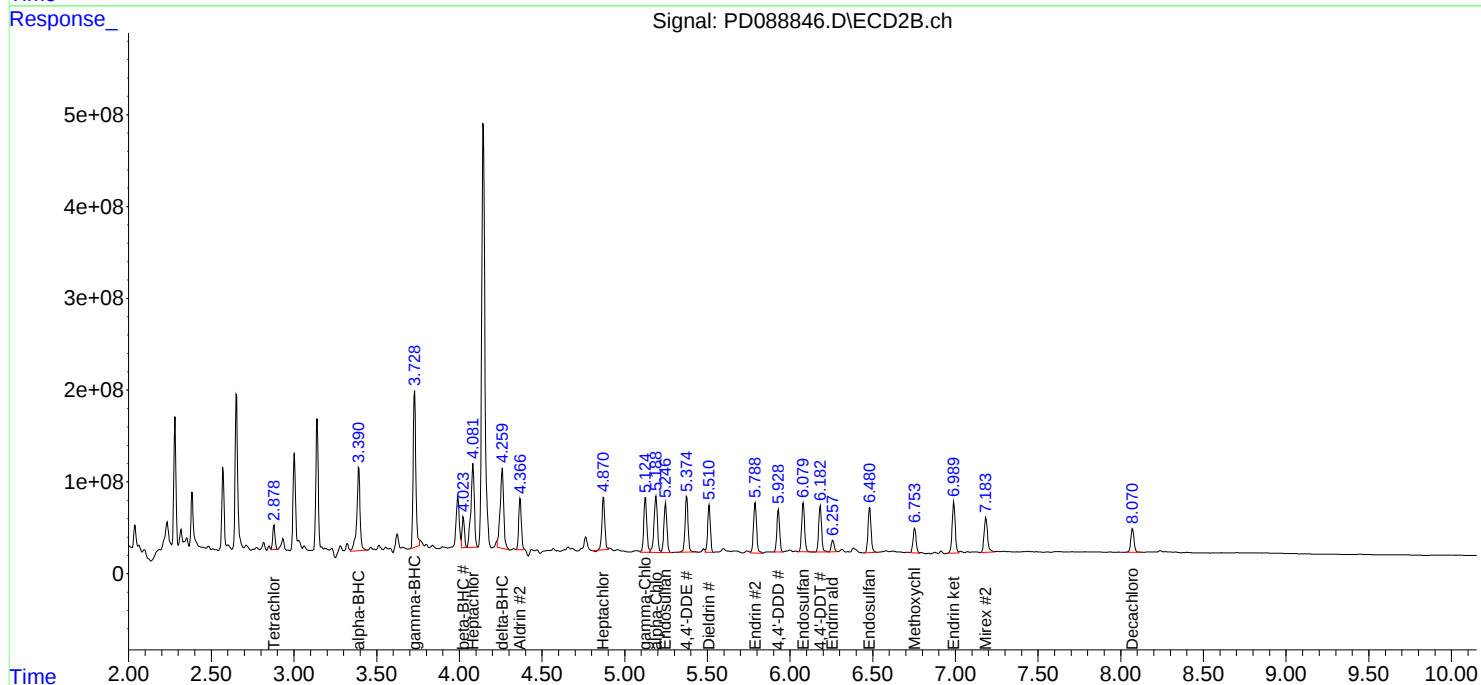
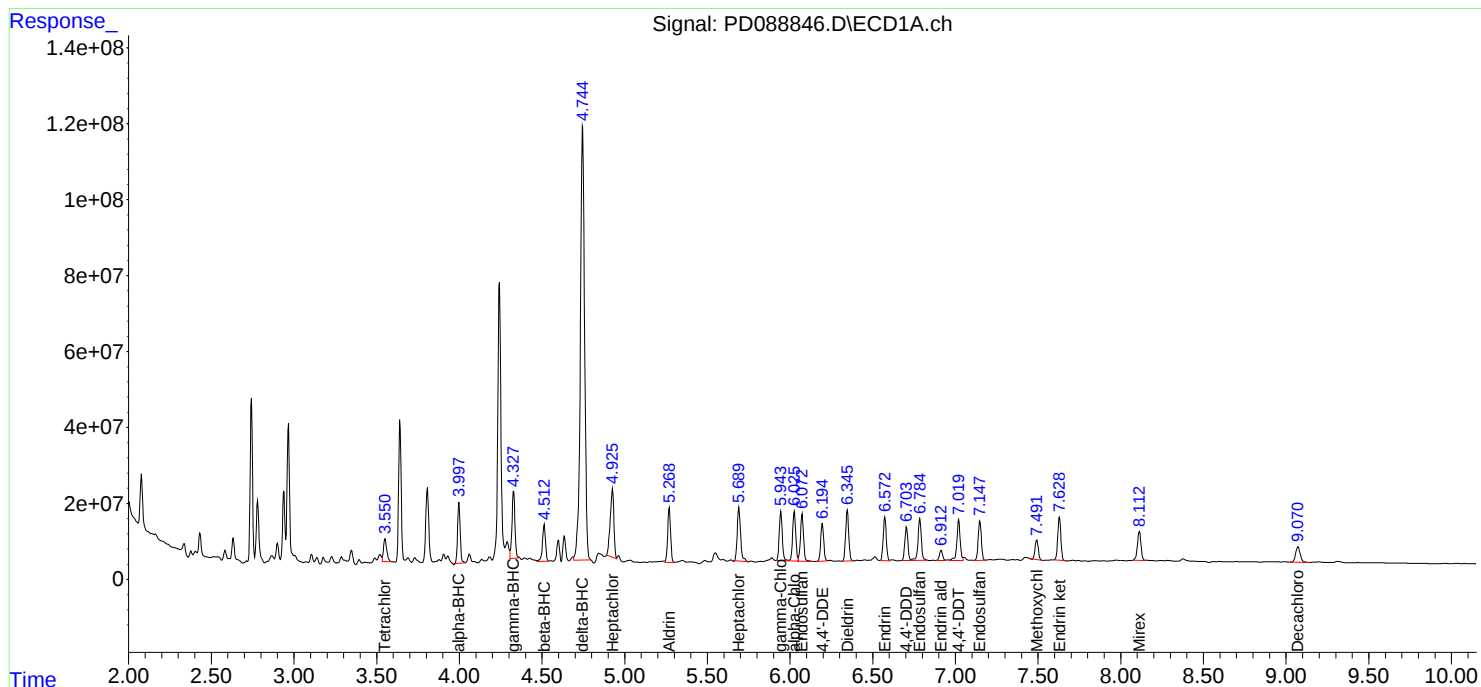
Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

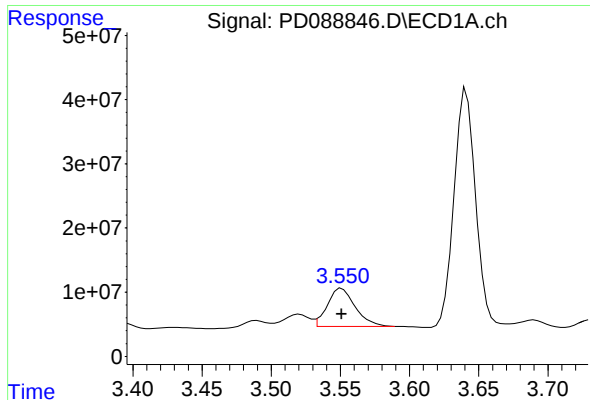
Manual Integrations
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Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 01:43:17 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
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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





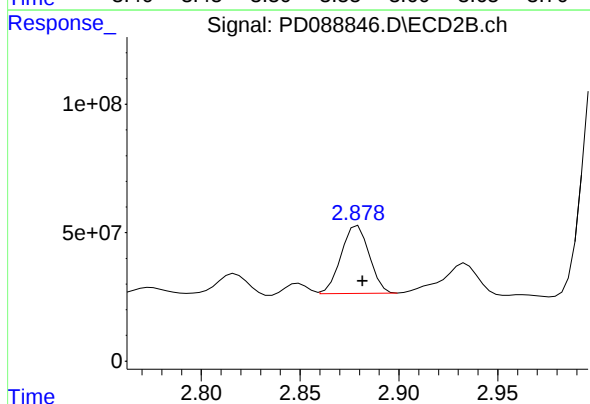
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.001 min
Response: 81844191
Conc: 37.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

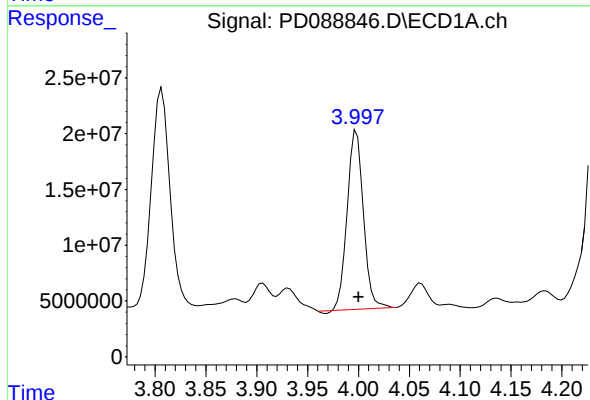
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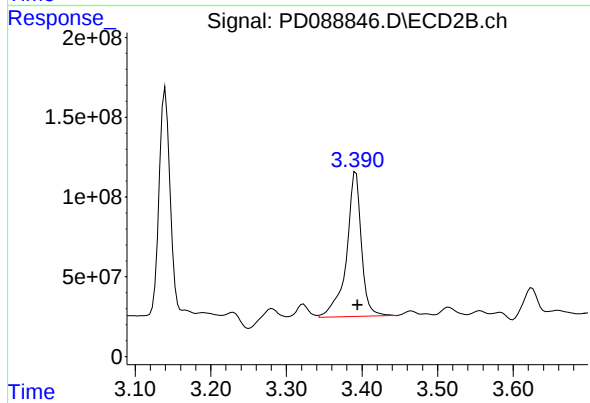
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.004 min
Response: 260662139
Conc: 17.23 ng/ml



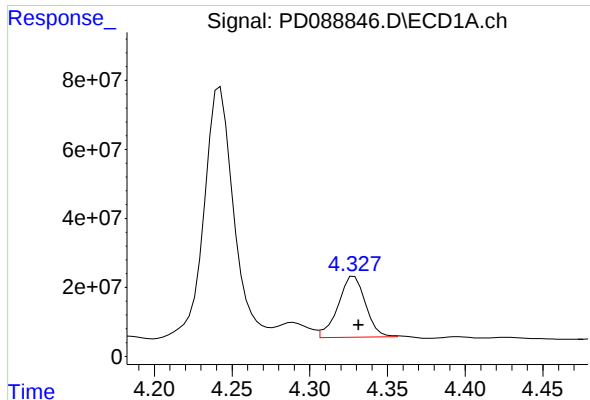
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 177103977
Conc: 37.08 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: -0.004 min
Response: 1241727622
Conc: 51.95 ng/ml



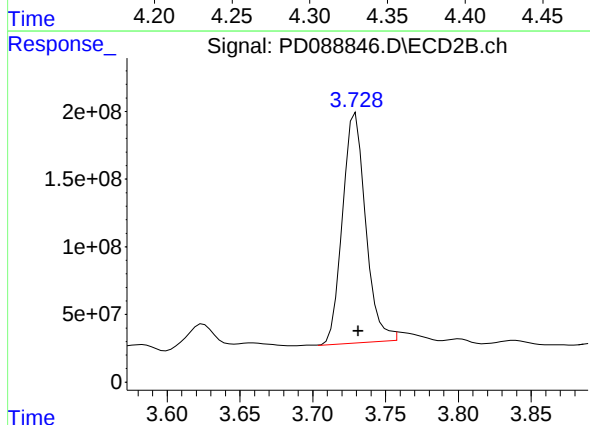
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.004 min
Response: 215822499
Conc: 46.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

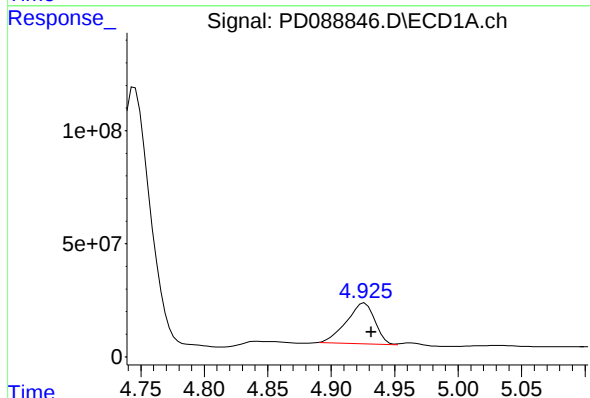
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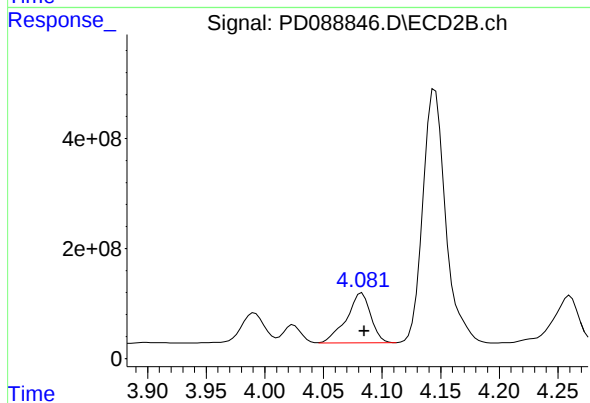
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 1887175714
Conc: 85.14 ng/ml



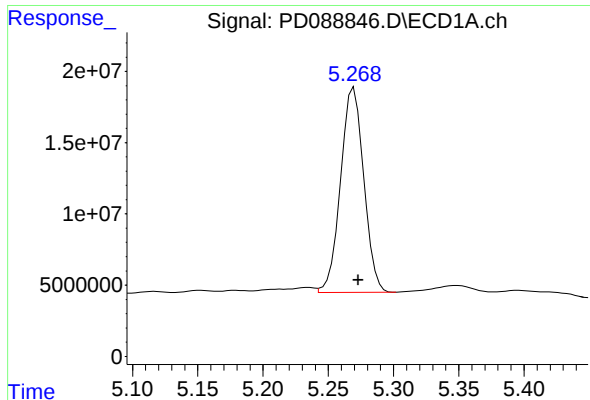
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.005 min
Response: 279617912
Conc: 62.54 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: -0.002 min
Response: 1299793535
Conc: 57.88 ng/ml



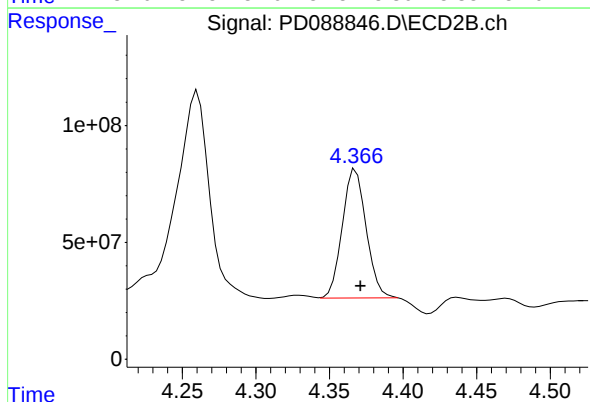
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.004 min
Response: 177873357
Conc: 40.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

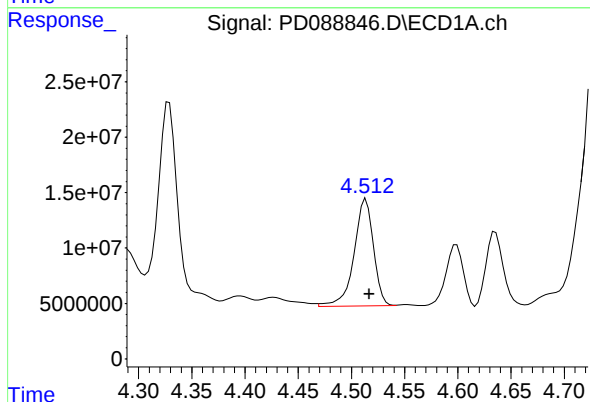
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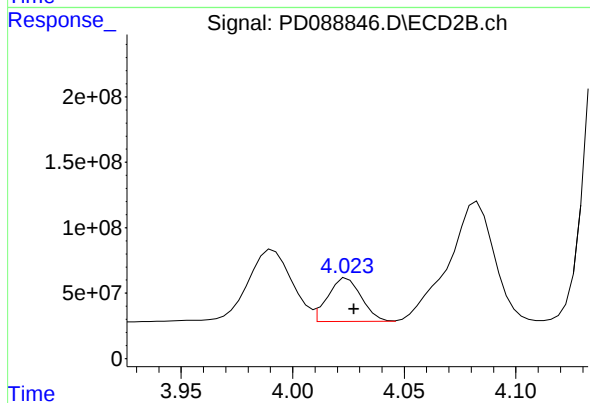
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.005 min
Response: 622955814
Conc: 28.41 ng/ml m



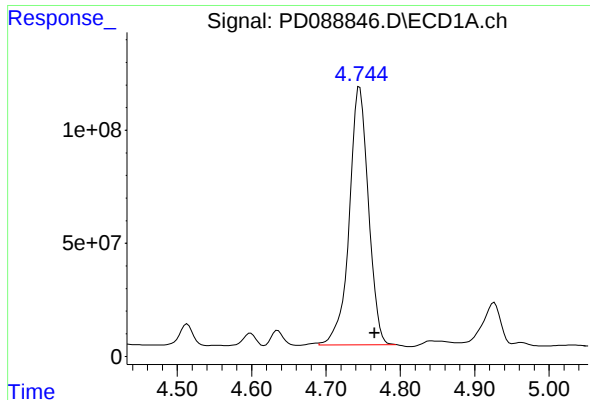
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 122394467
Conc: 67.88 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 345742301
Conc: 35.49 ng/ml



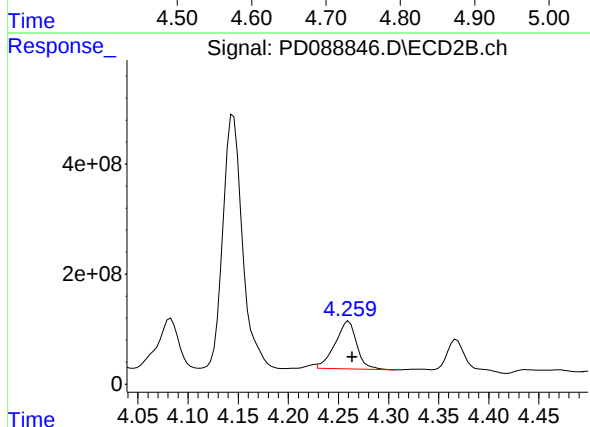
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: -0.022 min
Response: 2039844085
Conc: 482.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

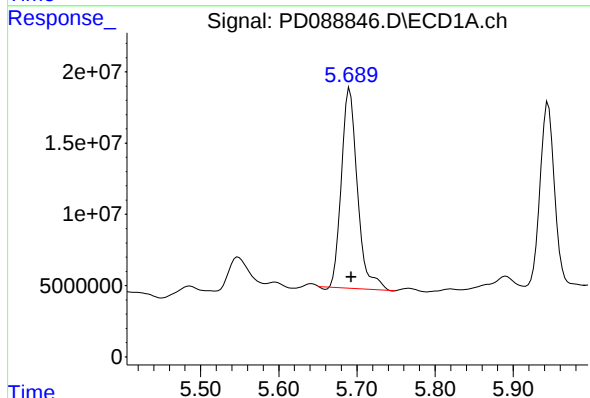
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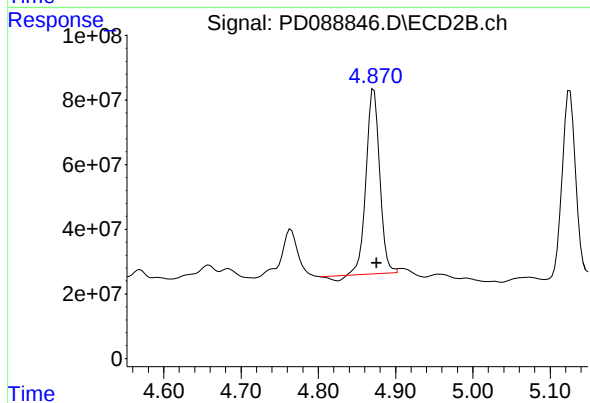
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: -0.005 min
Response: 1301213104
Conc: 58.37 ng/ml m



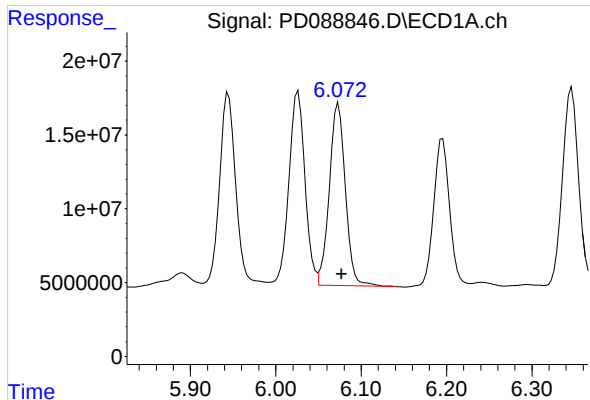
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 199745979
Conc: 50.32 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 693407385
Conc: 34.89 ng/ml



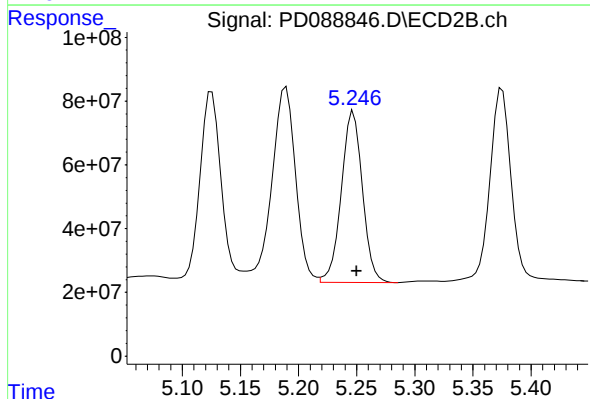
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 161052814
Conc: 42.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

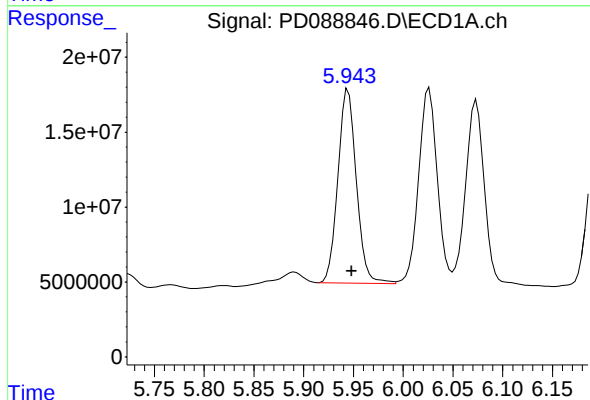
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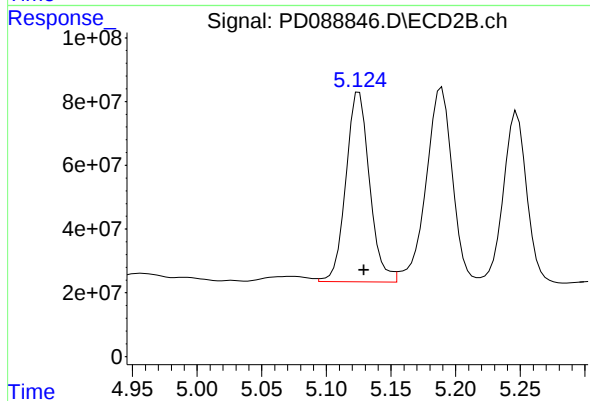
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: -0.003 min
Response: 677043095
Conc: 35.67 ng/ml



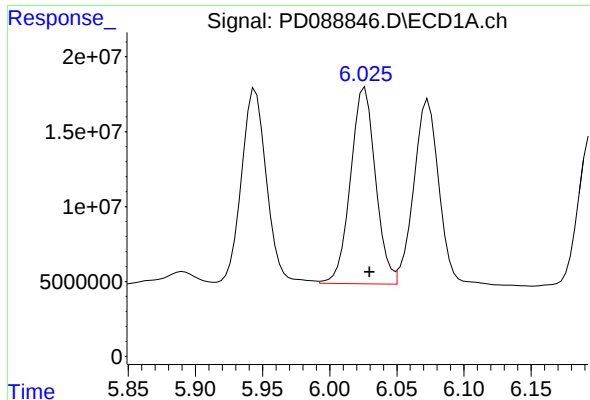
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 167422986
Conc: 41.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 758371909
Conc: 35.55 ng/ml



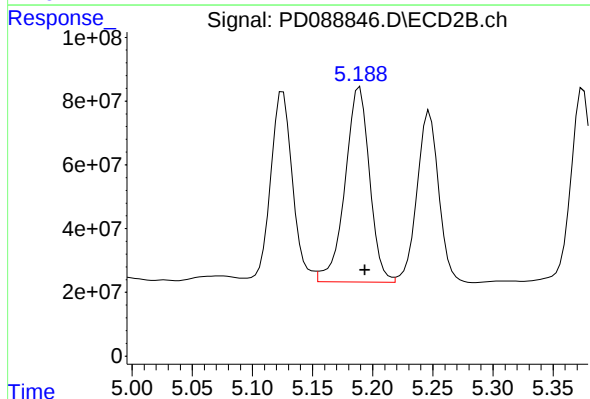
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 171003553
Conc: 42.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

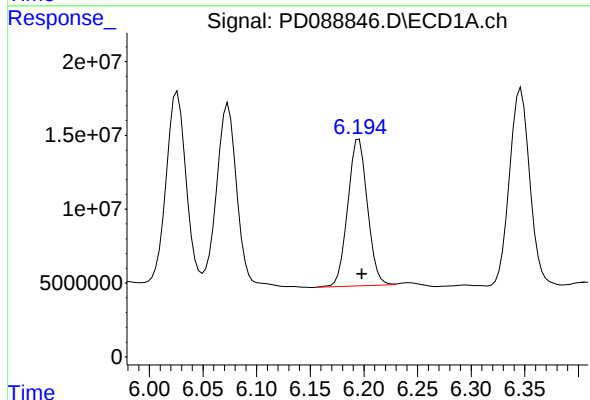
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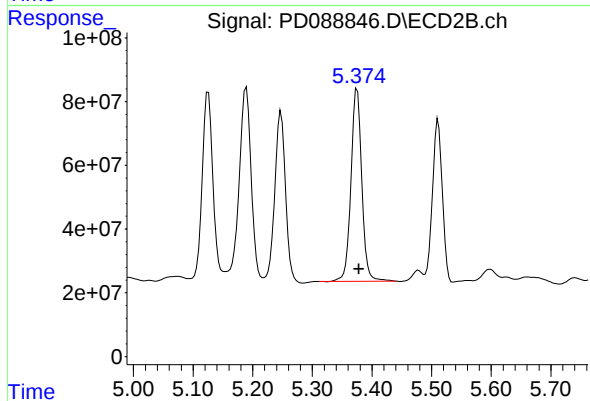
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 869696688
Conc: 42.17 ng/ml



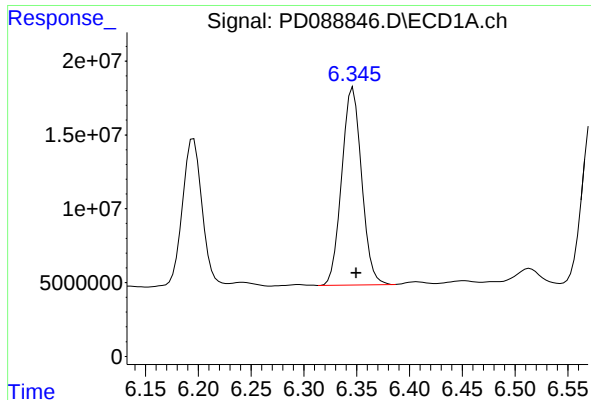
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 126890949
Conc: 35.35 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 761985807
Conc: 36.45 ng/ml



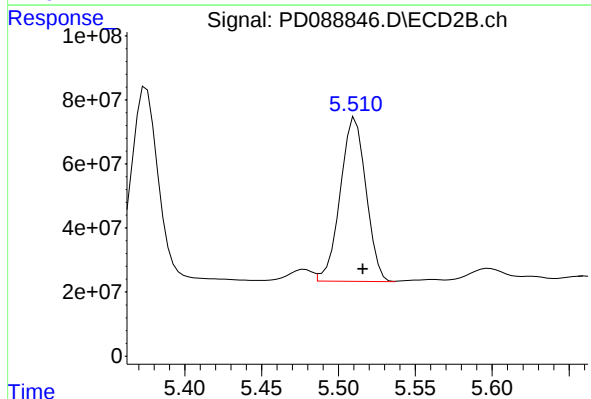
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 175321887
Conc: 43.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

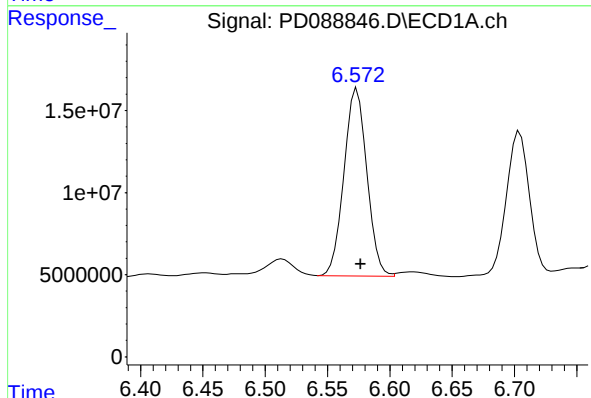
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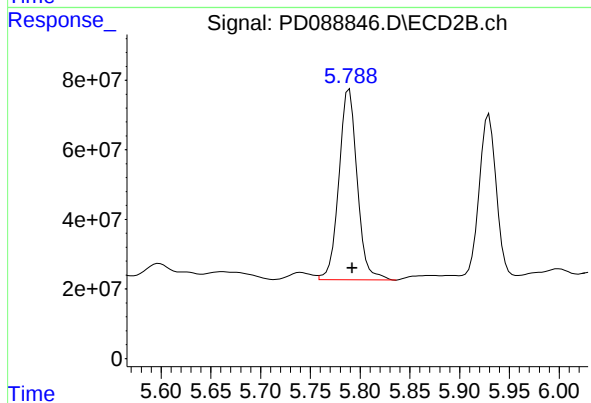
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.006 min
Response: 589193583
Conc: 28.00 ng/ml



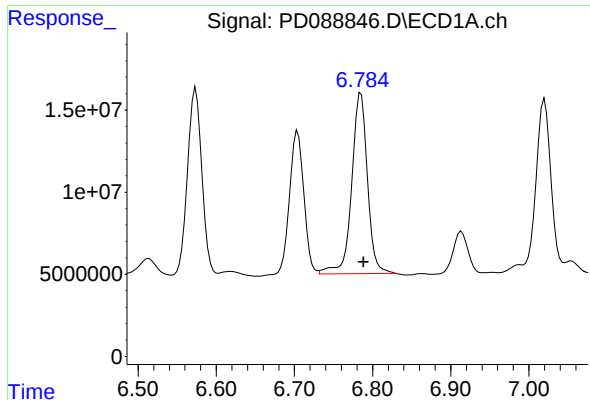
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 145725059
Conc: 42.67 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 704105396
Conc: 36.51 ng/ml



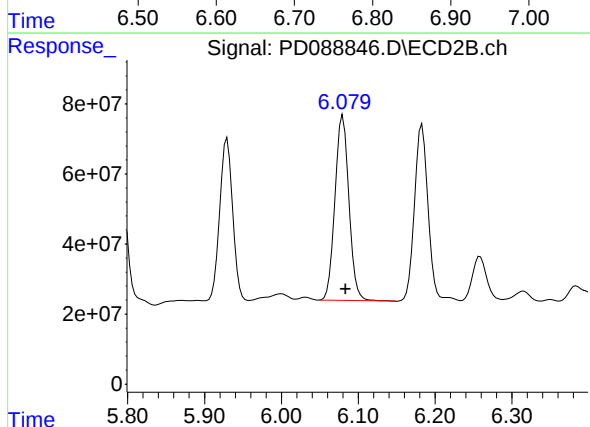
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.003 min
Response: 154758349
Conc: 44.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

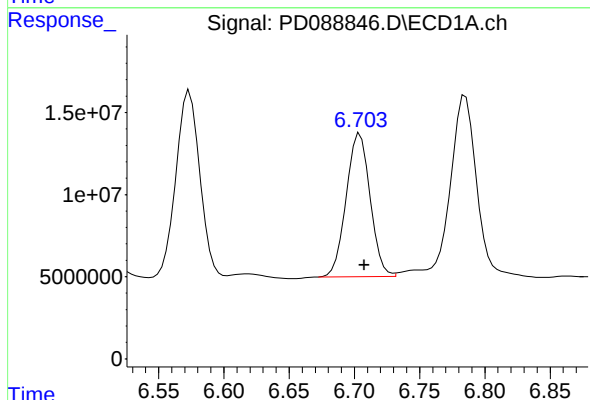
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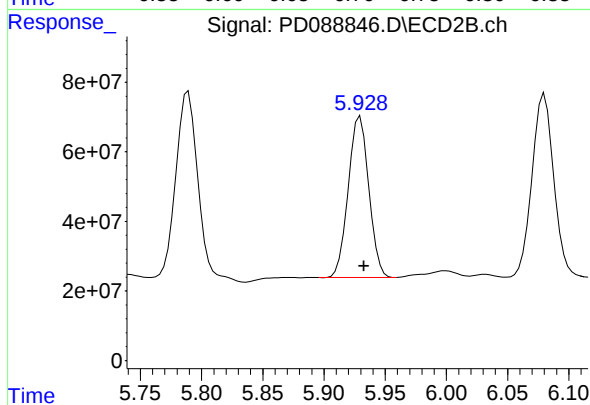
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 656991669
Conc: 35.86 ng/ml



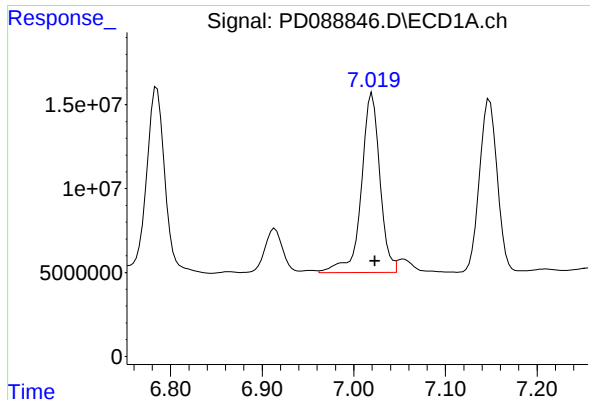
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 111419354
Conc: 40.01 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 541290772
Conc: 31.12 ng/ml



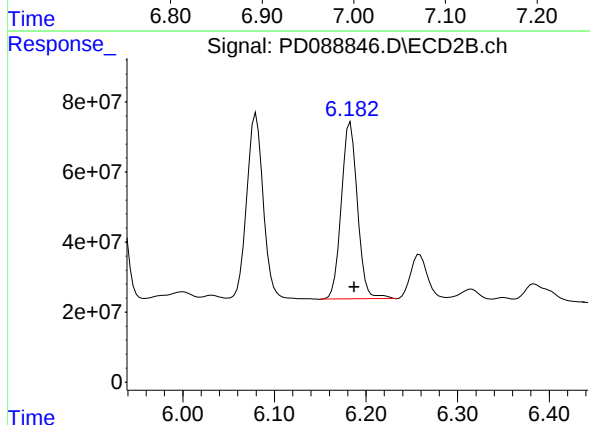
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 150379964
Conc: 48.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

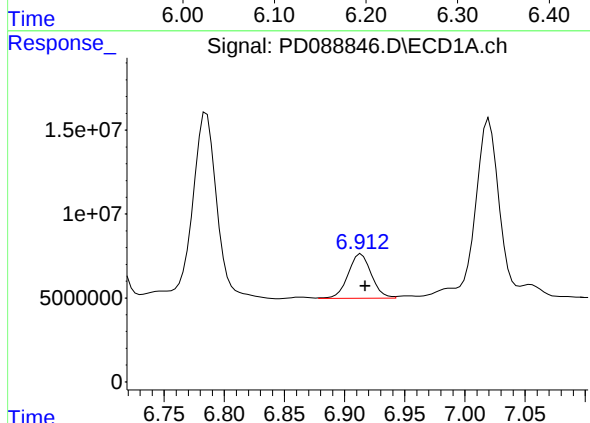
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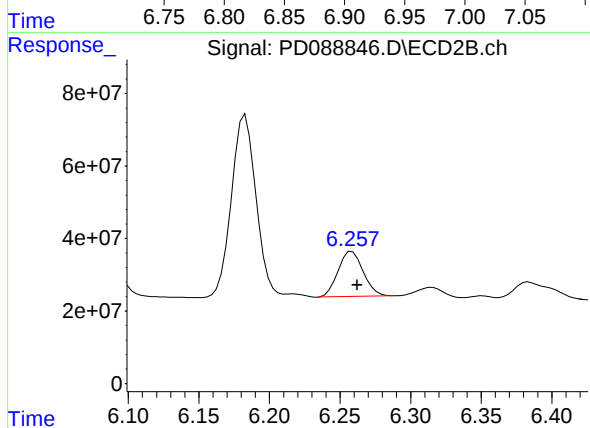
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 620158623
Conc: 34.19 ng/ml



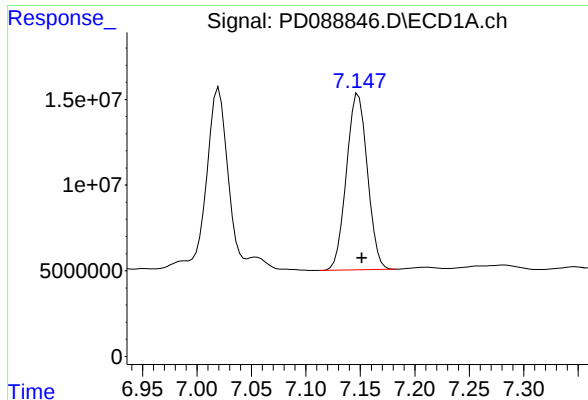
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 35758646
Conc: 13.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 153666420
Conc: 11.03 ng/ml



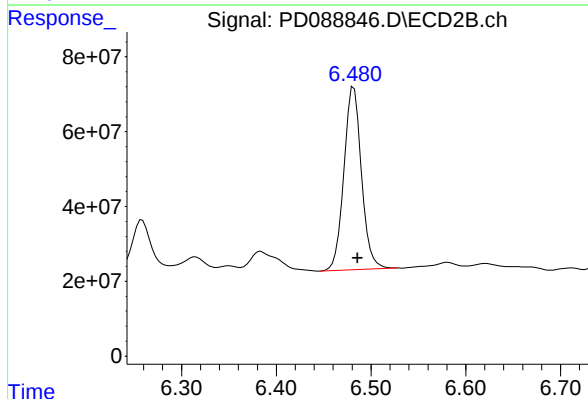
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 137607817
Conc: 42.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

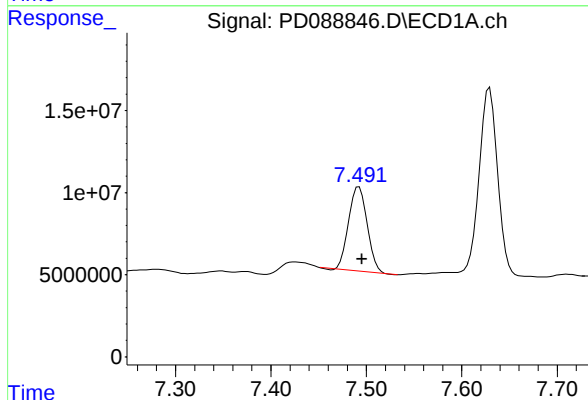
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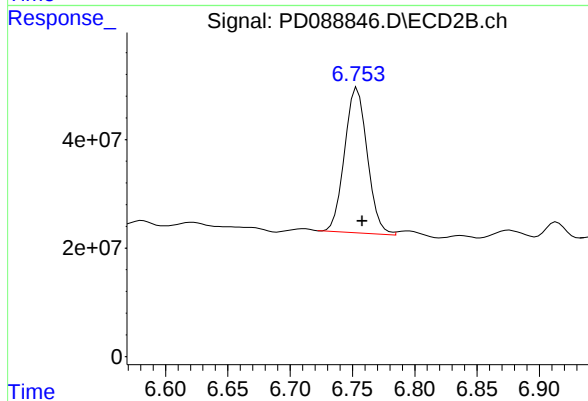
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 628818707
Conc: 35.41 ng/ml



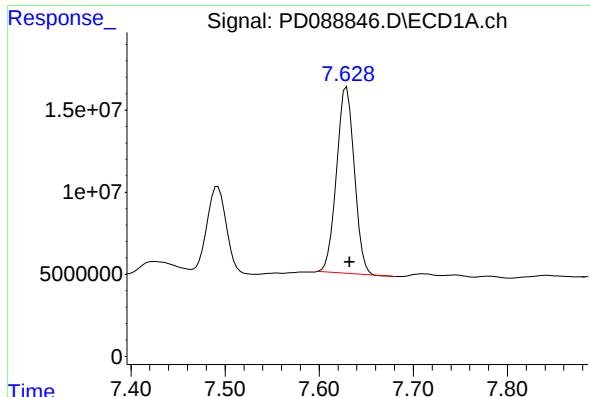
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 69549977
Conc: 41.63 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 338791082
Conc: 35.38 ng/ml



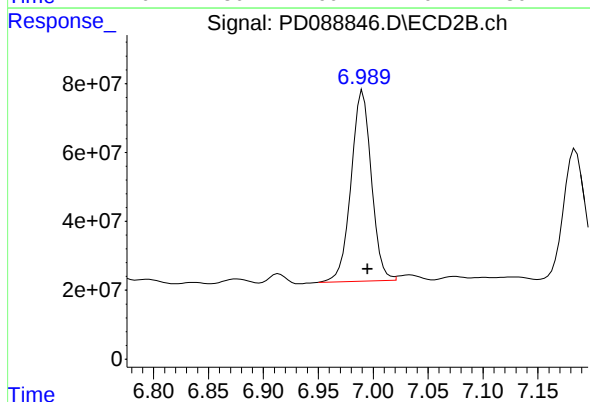
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.003 min
Response: 148585621
Conc: 43.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

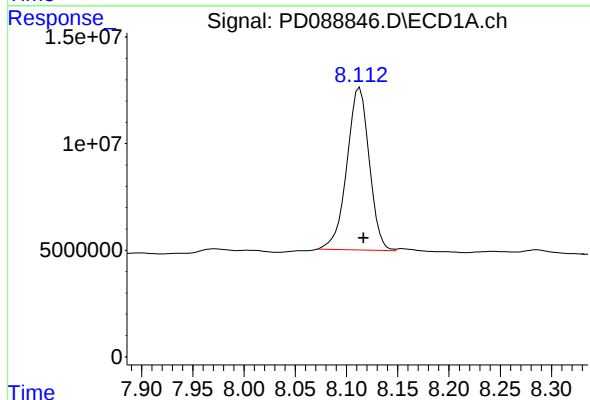
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



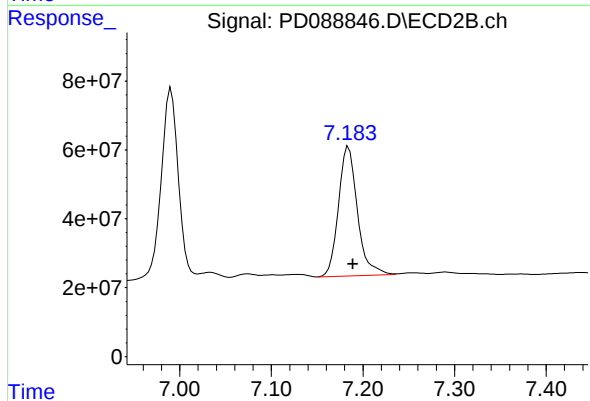
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 713173843
Conc: 36.86 ng/ml



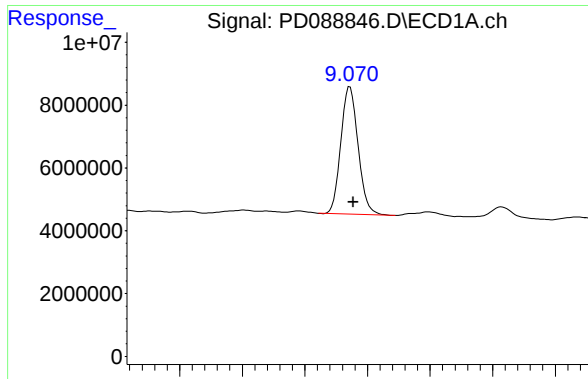
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 115680442
Conc: 44.52 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 542055210
Conc: 35.66 ng/ml



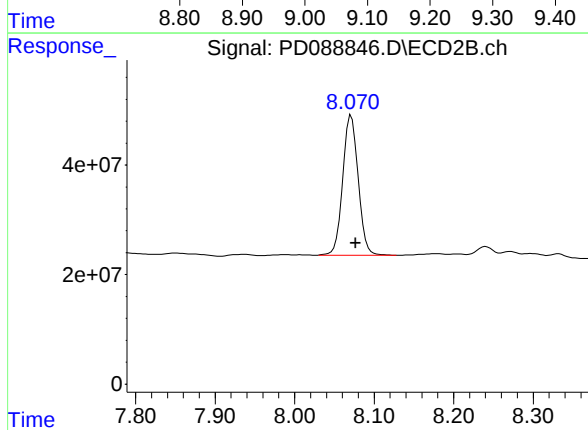
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 78030101
Conc: 22.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
MOO-25-0151MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 345728799
Conc: 18.94 ng/ml