

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
 Data File : PD090288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Sep 2025 10:59
 Operator : AR\AJ
 Sample : Q2893-09
 Misc : PEST MDL 1PPB
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/17/2025
 Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 17 02:46:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.552	2.874	49737817	447.7E6	16.947	20.302m
28)	SA Decachlor...	9.071	8.065	87591937	580.9E6	20.295m	22.440
Target Compounds							
2)	A alpha-BHC	4.001	3.387	5381402	46746236	0.897	1.377m#
3)	MA gamma-BHC...	4.331	3.724	5098296	43624757	0.890m	1.400 #
4)	MA Heptachlor	4.929	4.077	5873505	42787240	1.047m	1.372 #
5)	MB Aldrin	5.270	4.363	5422412	41288877	1.001m	1.356 #
6)	B beta-BHC	4.519	4.019	2943188	19559125	1.312	1.467m
7)	B delta-BHC	4.766	4.257	7484583	42013632	1.446m	1.332
8)	B Heptachlo...	5.690	4.865	6471782	40705906	1.319m	1.470m
9)	A Endosulfan I	6.075	5.241	5020552	35652888	1.088	1.360
10)	B gamma-Chl...	5.947	5.118	5136257	38798676	1.050	1.310m
11)	B alpha-Chl...	6.028	5.184	5240018	40903734	1.065	1.433 #
12)	B 4,4'-DDE	6.197	5.369	4483179	40387394	1.022	1.401 #
13)	MA Dieldrin	6.346	5.506	5006945	41227823	1.023m	1.408 #
14)	MA Endrin	6.573	5.785	4206923	51557292	1.015m	1.936 #
15)	B Endosulfa...	6.785	6.074	5274013	36875425	1.250m	1.458
16)	A 4,4'-DDD	6.705	5.923	3638002	32790495	1.052m	1.364 #
17)	MA 4,4'-DDT	7.021	6.177	3428747	32809958	0.900m	1.309 #
18)	B Endrin al...	6.916	6.253	3783743	31015508	1.320	1.801 #
19)	B Endosulfa...	7.149	6.476	4429820	33718418	1.130m	1.383
20)	A Methoxychlor	7.494	6.748	2798652	20966541	1.395	1.626
21)	B Endrin ke...	7.631	6.983	4727351	47196163	1.141	1.771m#
22)	Mirex	8.114	7.178	3772815	29118968	1.196	1.410

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
Data File : PD090288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Sep 2025 10:59
Operator : AR\AJ
Sample : Q2893-09
Misc : PEST MDL 1PPB
ALS Vial : 6 Sample Multiplier: 1

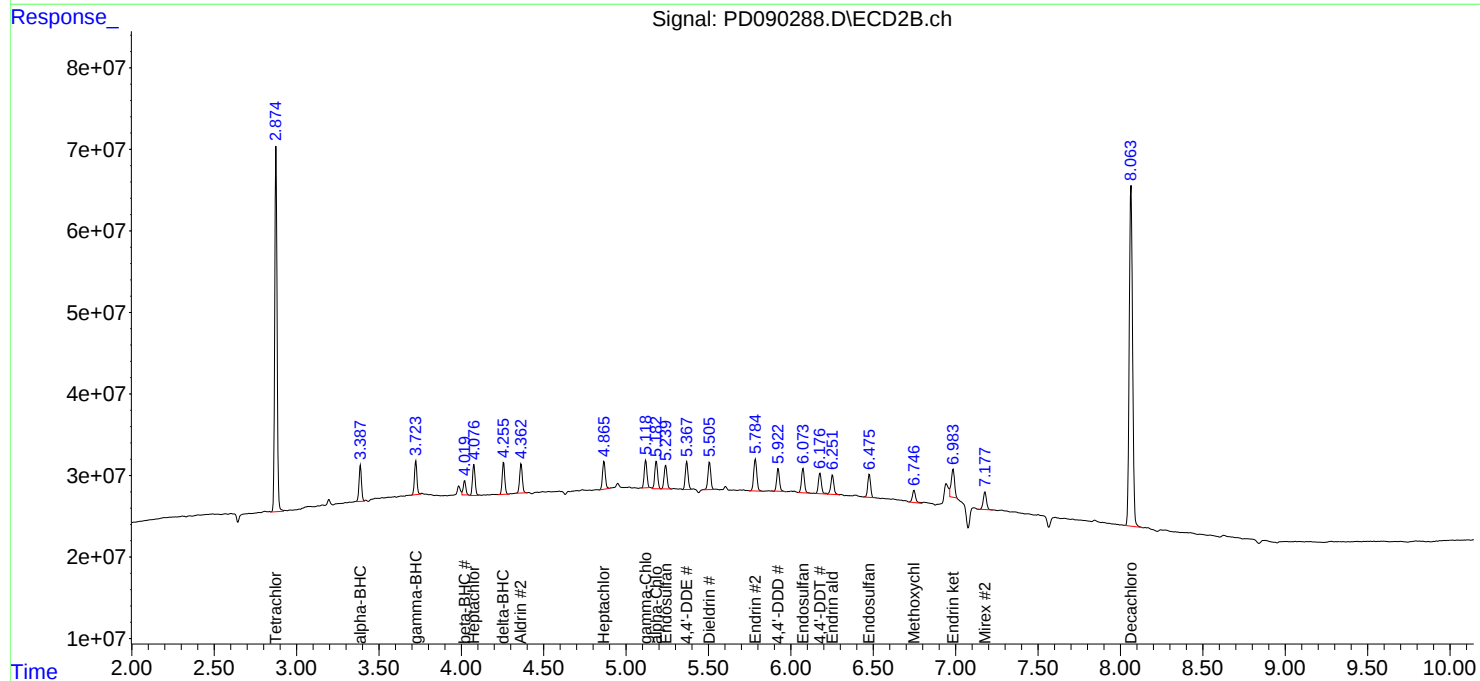
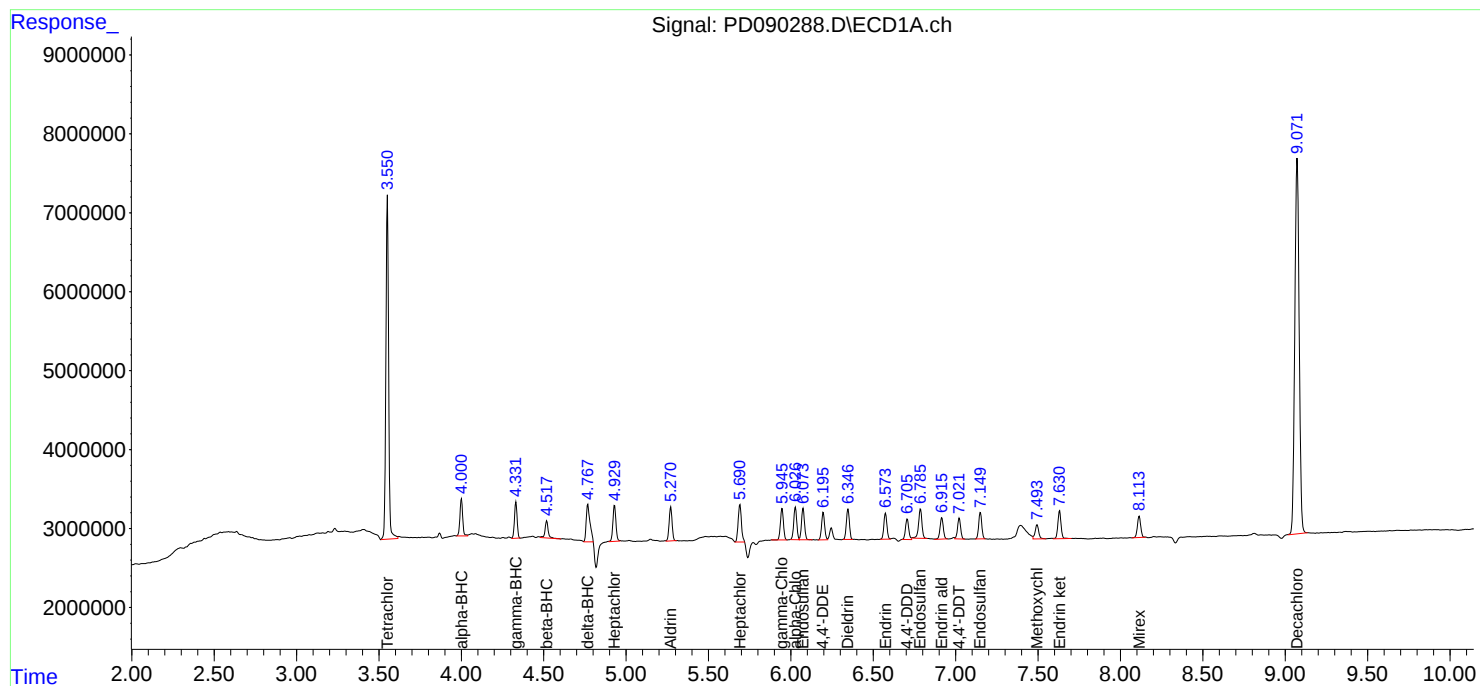
Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

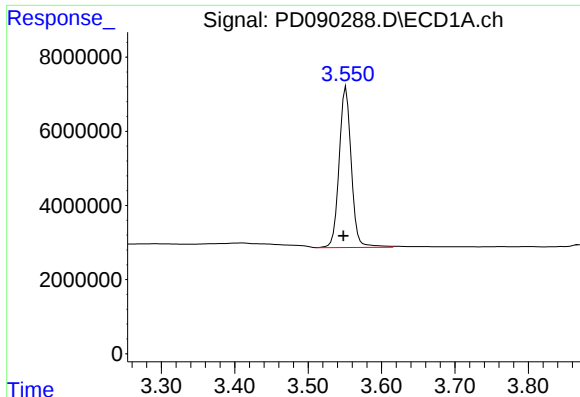
Manual Integrations
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Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 17 02:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
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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





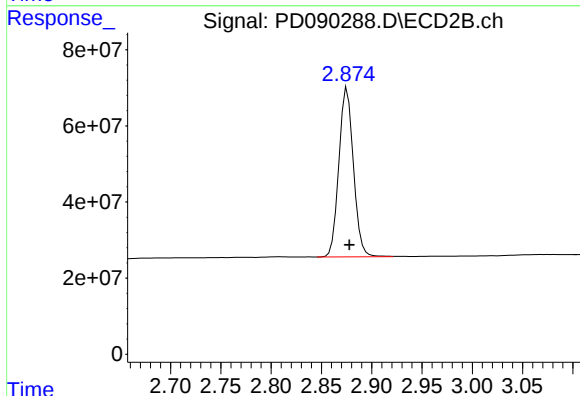
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.004 min
Response: 49737817
Conc: 16.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

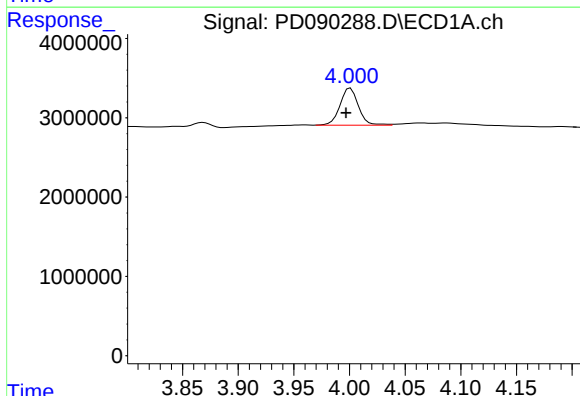
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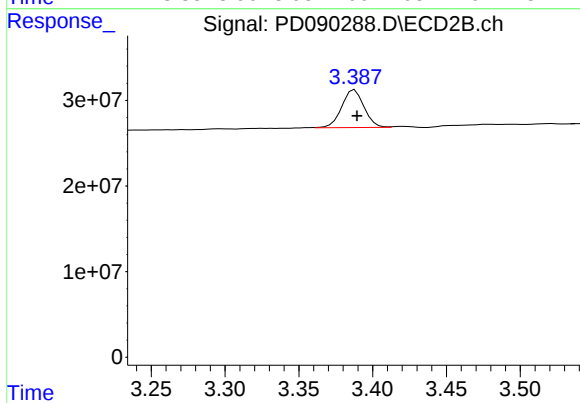
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.004 min
Response: 447661402
Conc: 20.30 ng/ml m



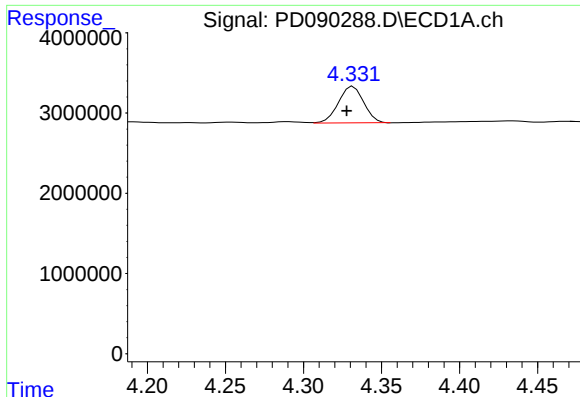
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.004 min
Response: 5381402
Conc: 0.90 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.003 min
Response: 46746236
Conc: 1.38 ng/ml m



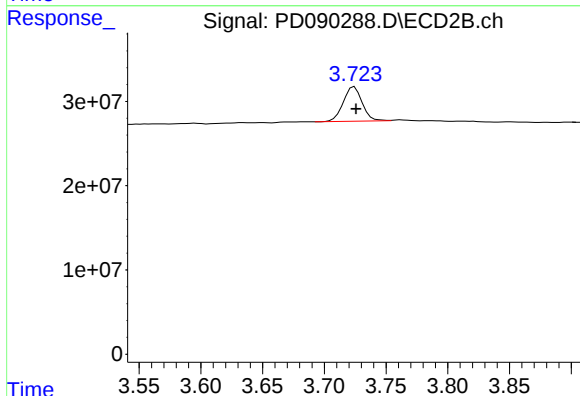
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.003 min
Response: 5098296
Conc: 0.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

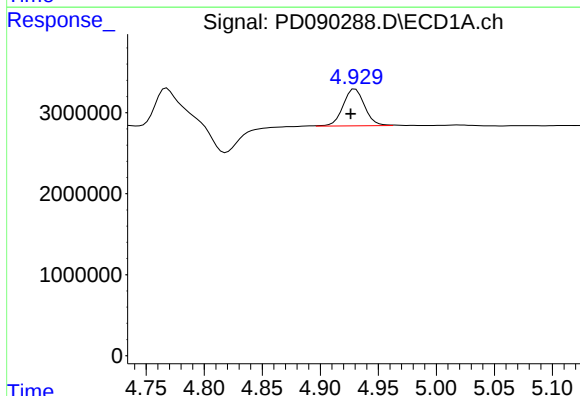
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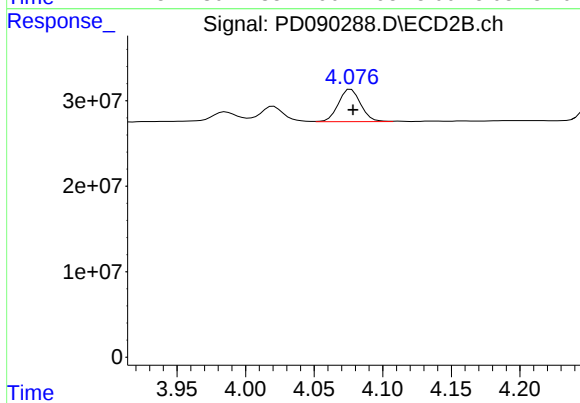
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 43624757
Conc: 1.40 ng/ml



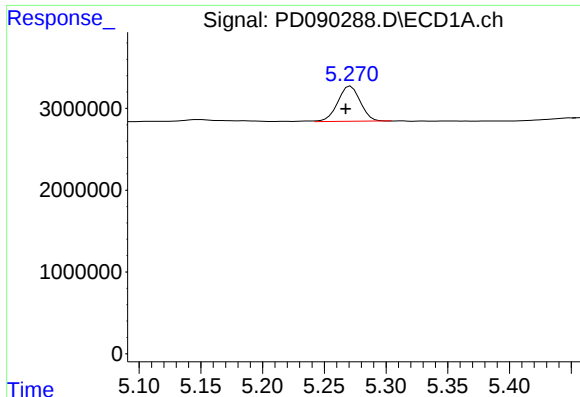
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.003 min
Response: 5873505
Conc: 1.05 ng/ml m



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 42787240
Conc: 1.37 ng/ml



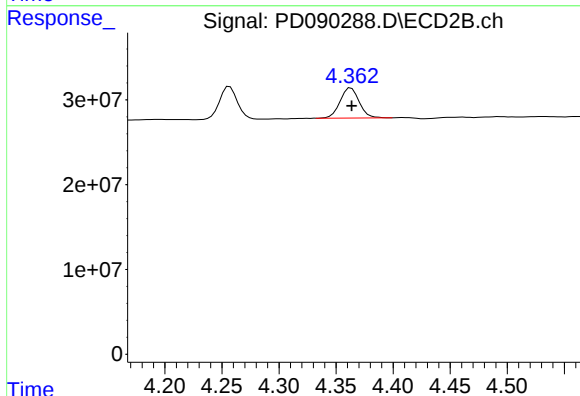
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.003 min
Response: 5422412
Conc: 1.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

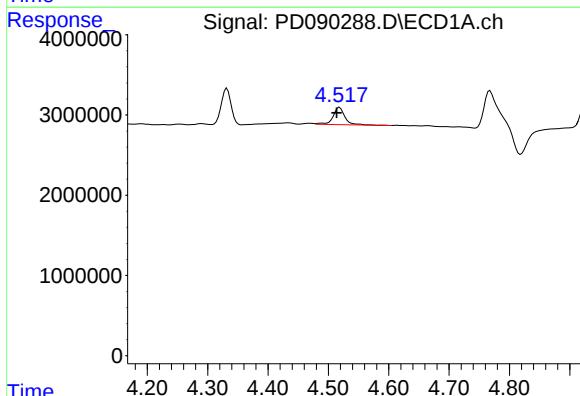
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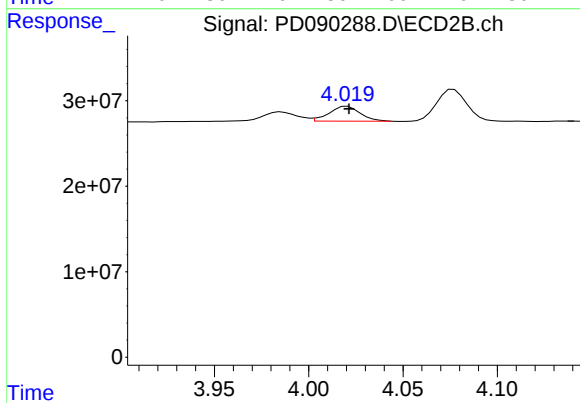
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 41288877
Conc: 1.36 ng/ml



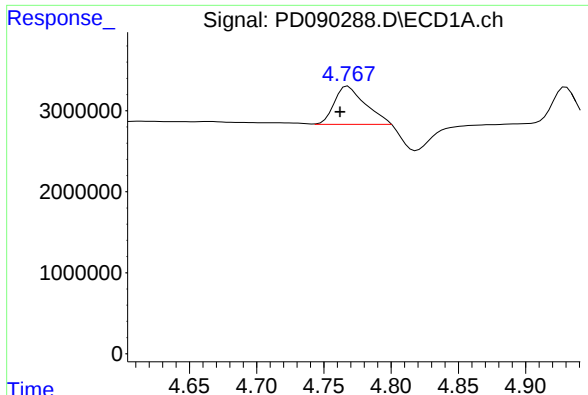
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.005 min
Response: 2943188
Conc: 1.31 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.002 min
Response: 19559125
Conc: 1.47 ng/ml m



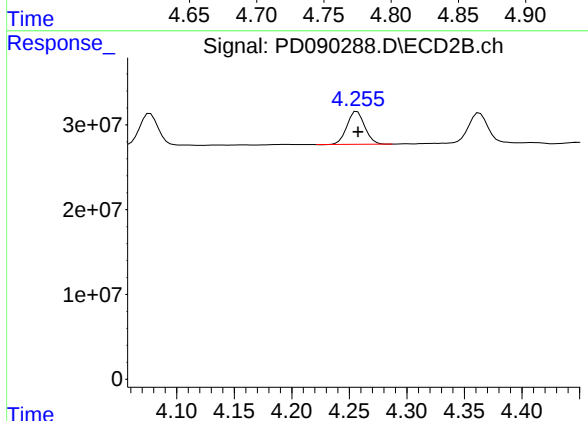
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.005 min
Response: 7484583
Conc: 1.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

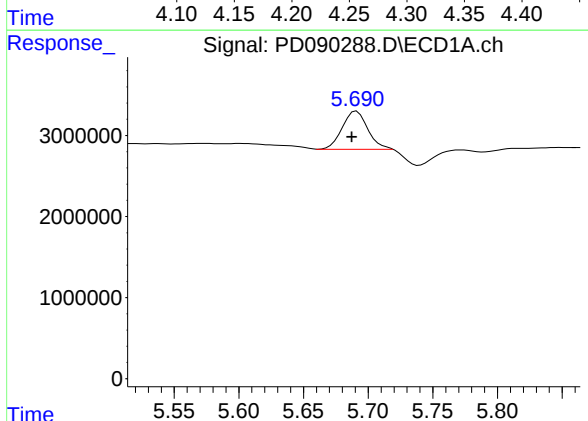
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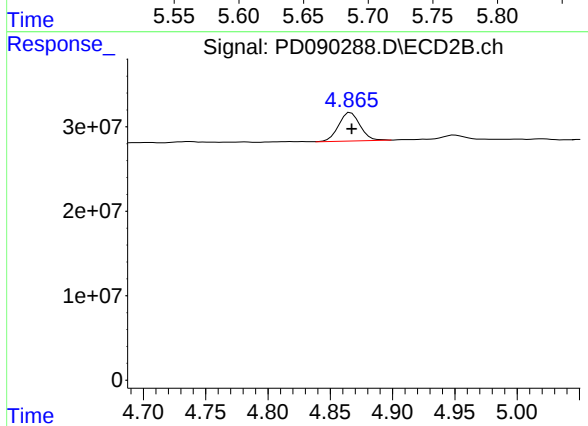
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 42013632
Conc: 1.33 ng/ml



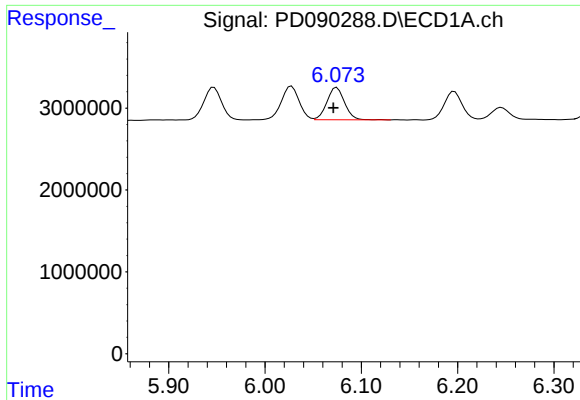
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.002 min
Response: 6471782
Conc: 1.32 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.002 min
Response: 40705906
Conc: 1.47 ng/ml m



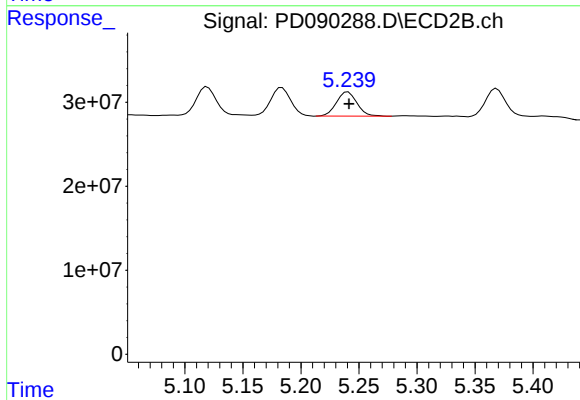
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.003 min
Response: 5020552
Conc: 1.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

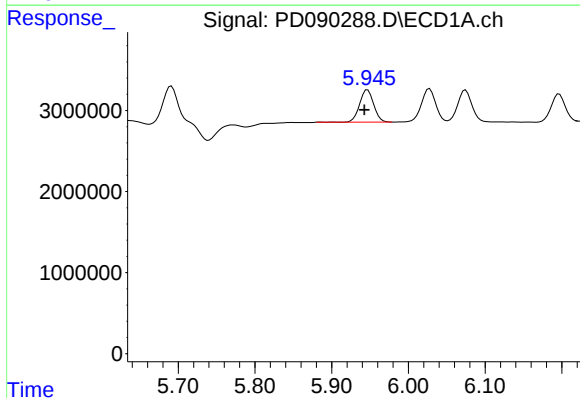
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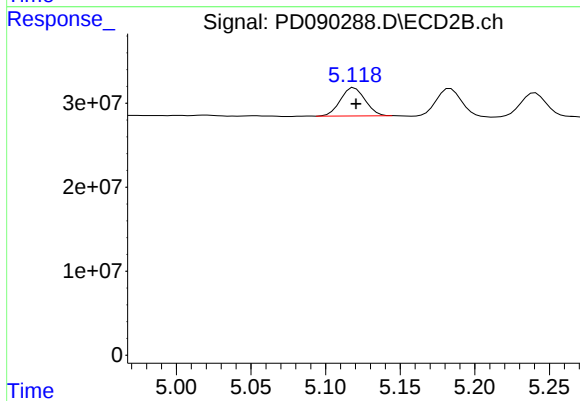
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 35652888
Conc: 1.36 ng/ml



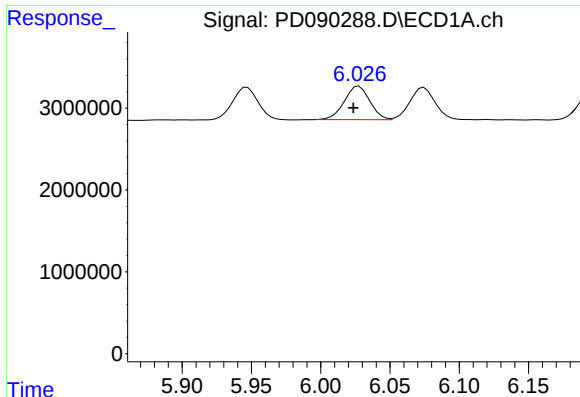
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.004 min
Response: 5136257
Conc: 1.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.002 min
Response: 38798676
Conc: 1.31 ng/ml m



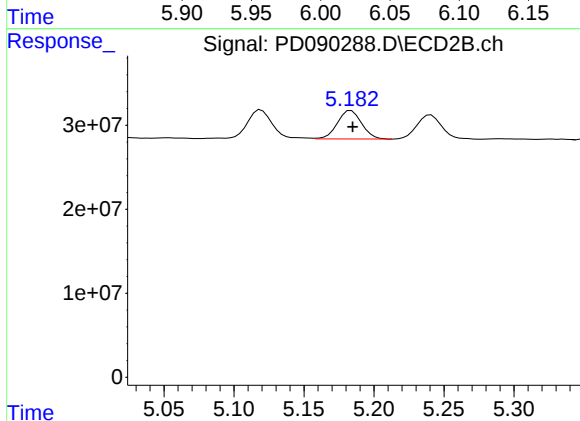
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.004 min
Response: 5240018
Conc: 1.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

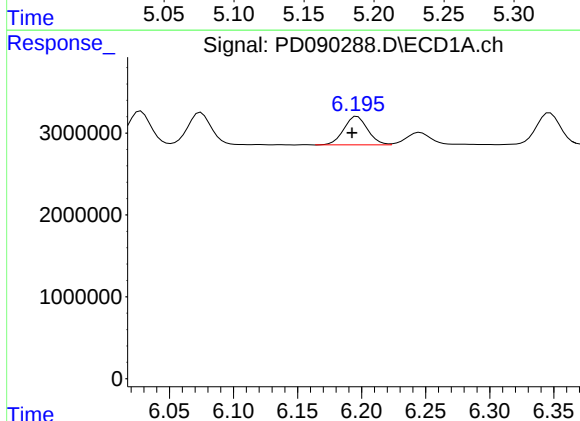
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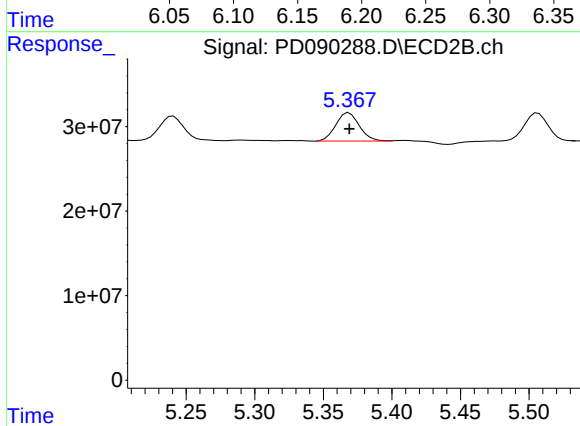
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.001 min
Response: 40903734
Conc: 1.43 ng/ml



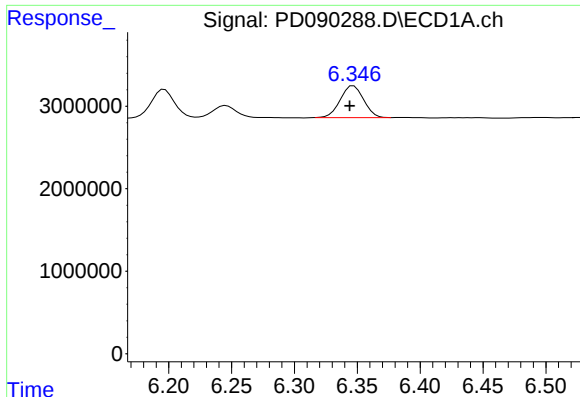
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.004 min
Response: 4483179
Conc: 1.02 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 40387394
Conc: 1.40 ng/ml



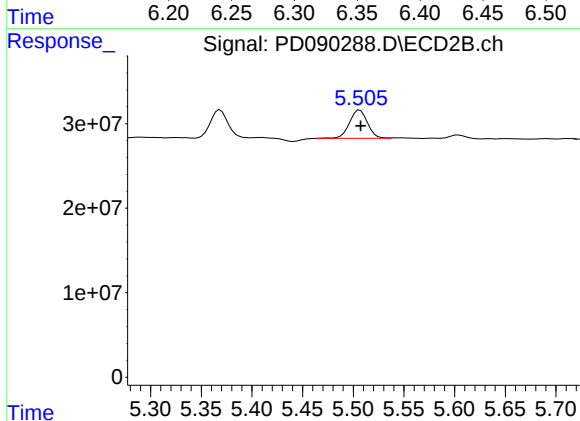
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 5006945
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

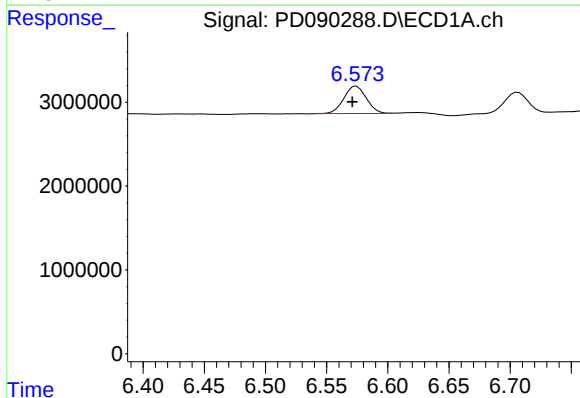
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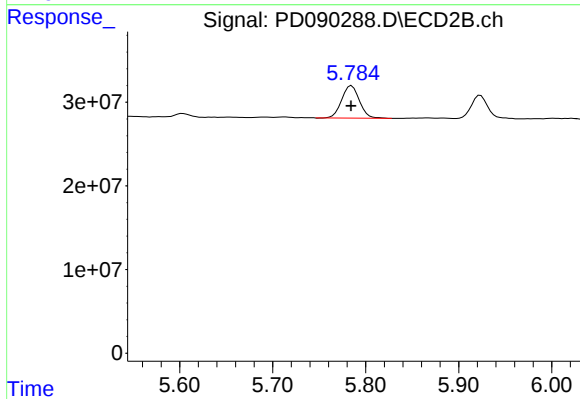
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 41227823
Conc: 1.41 ng/ml



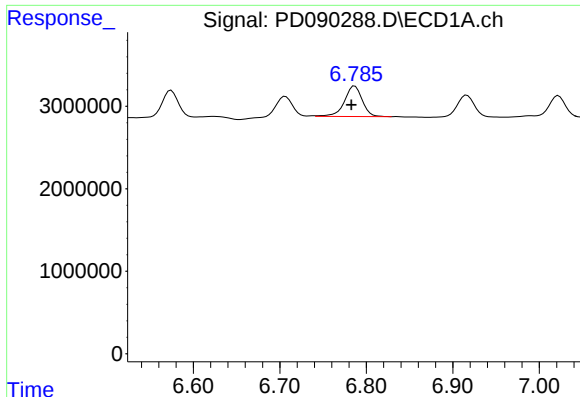
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 4206923
Conc: 1.02 ng/ml m



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 51557292
Conc: 1.94 ng/ml



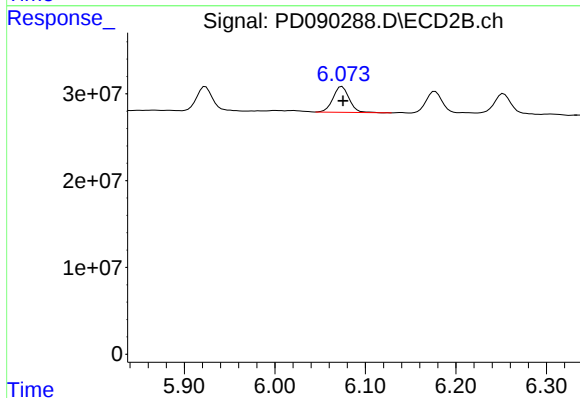
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 5274013
Conc: 1.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

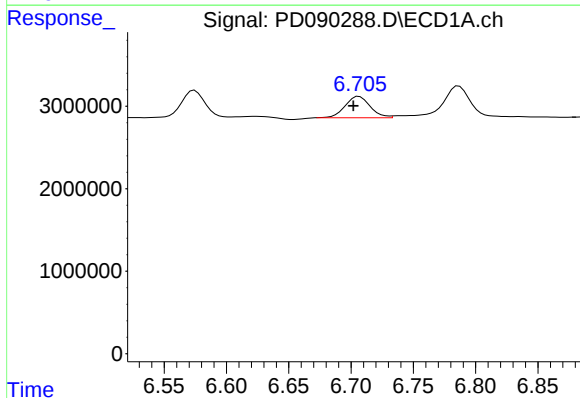
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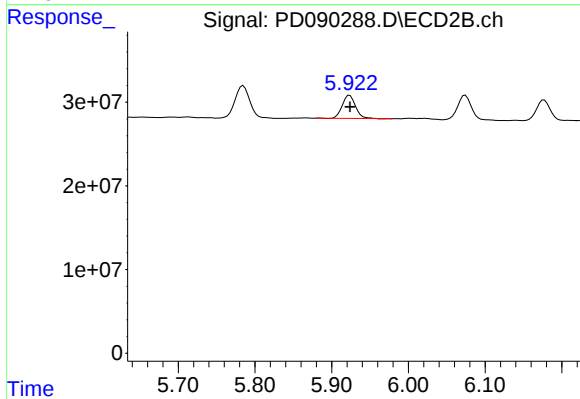
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 36875425
Conc: 1.46 ng/ml



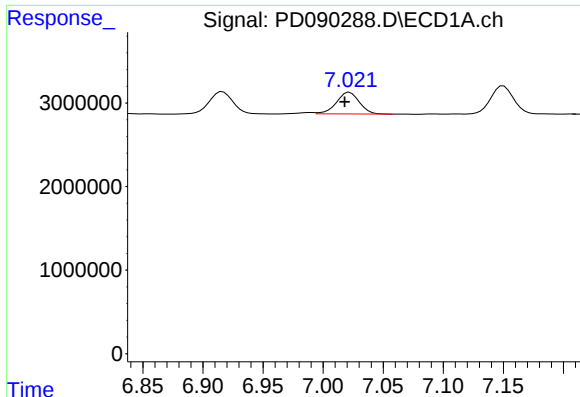
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.003 min
Response: 3638002
Conc: 1.05 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 32790495
Conc: 1.36 ng/ml



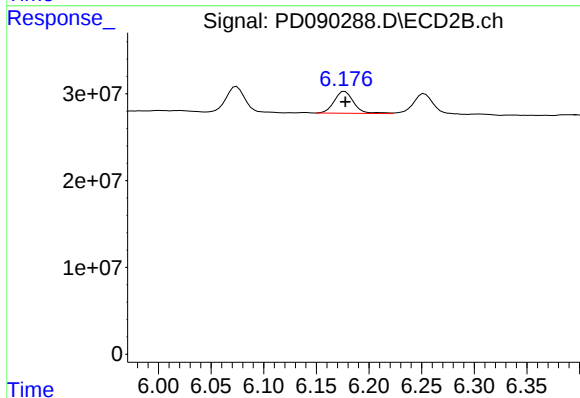
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 3428747
Conc: 0.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

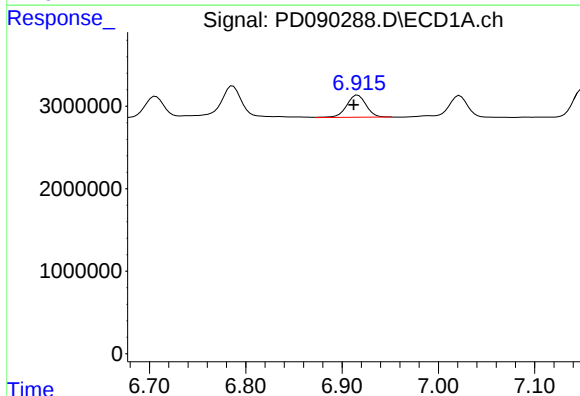
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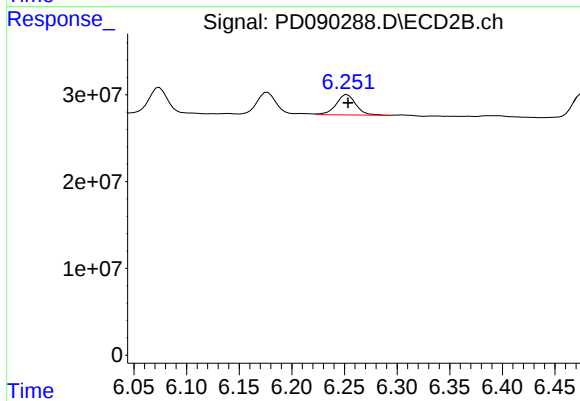
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 32809958
Conc: 1.31 ng/ml



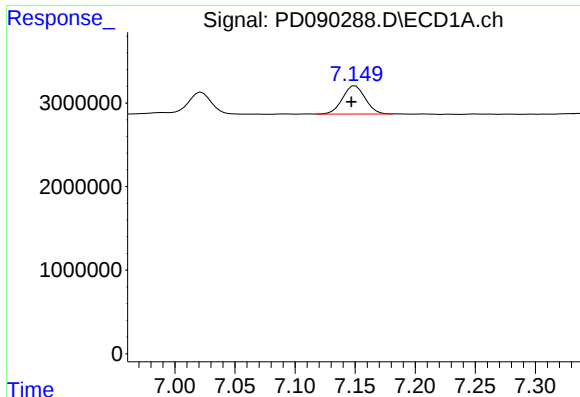
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 3783743
Conc: 1.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 31015508
Conc: 1.80 ng/ml



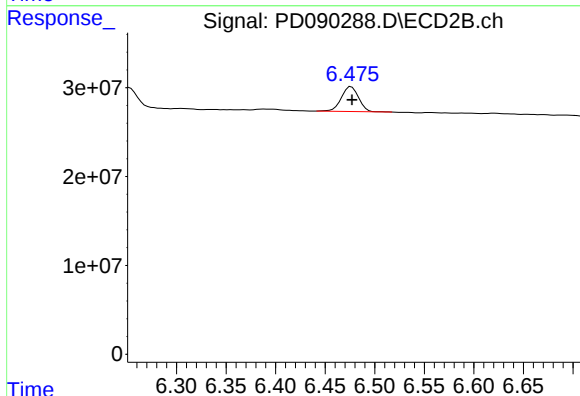
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 4429820
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

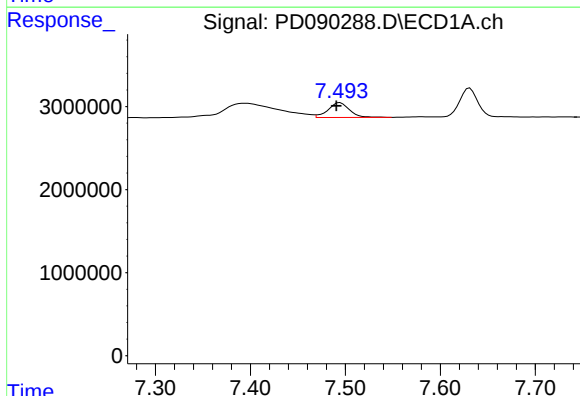
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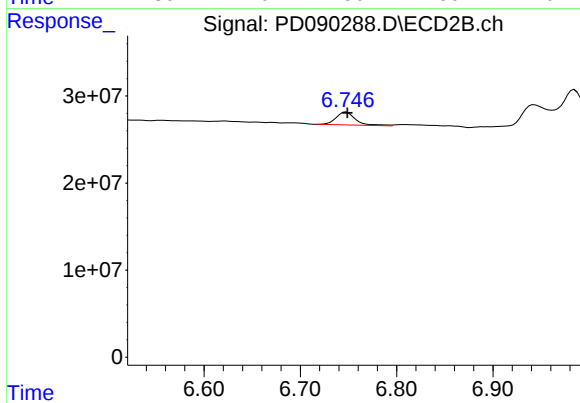
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 33718418
Conc: 1.38 ng/ml



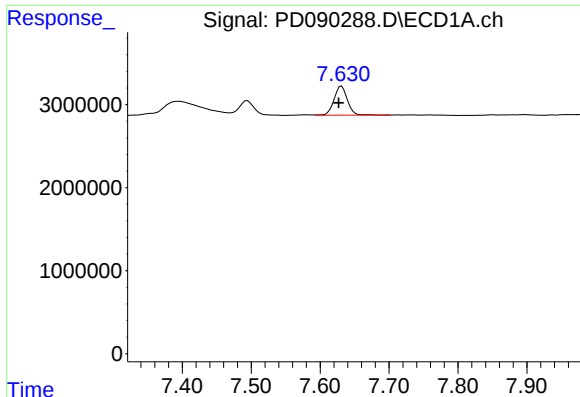
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 2798652
Conc: 1.40 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 20966541
Conc: 1.63 ng/ml



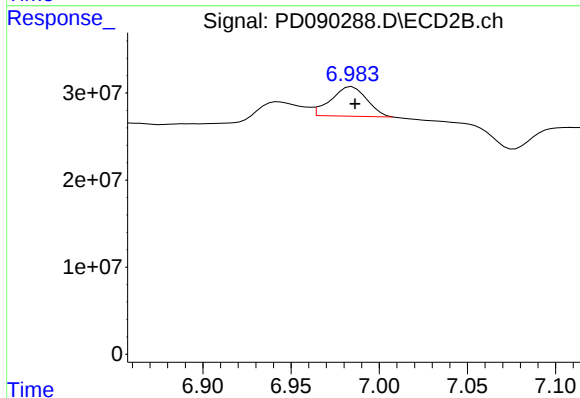
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 4727351
Conc: 1.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

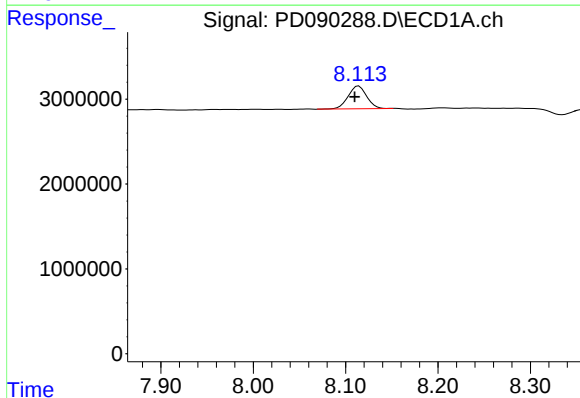
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



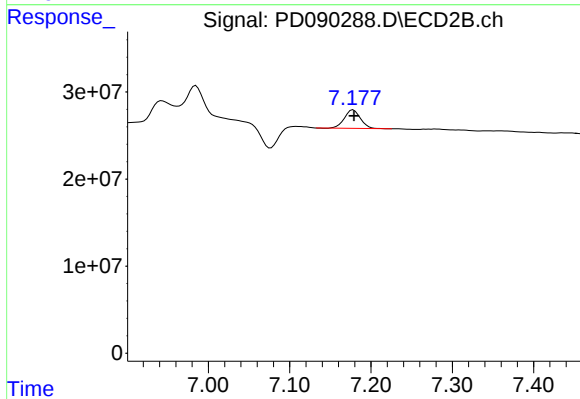
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.003 min
Response: 47196163
Conc: 1.77 ng/ml m



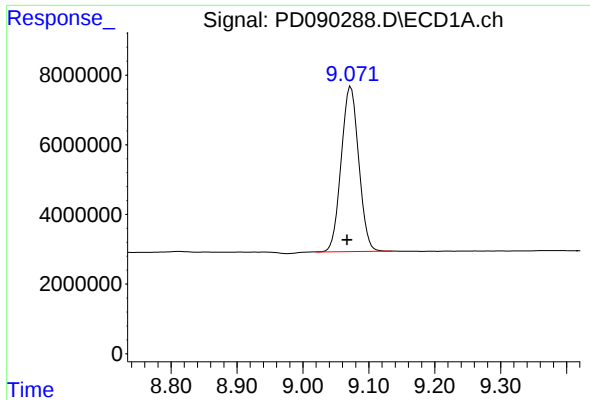
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.004 min
Response: 3772815
Conc: 1.20 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 29118968
Conc: 1.41 ng/ml



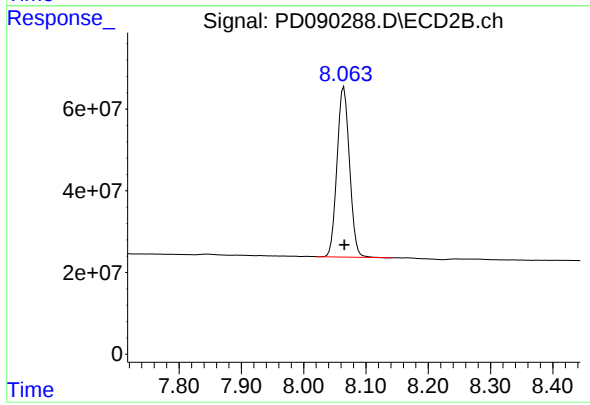
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 87591937
Conc: 20.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 580871557
Conc: 22.44 ng/ml