

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090147.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 12:49
 Operator : AR\AJ
 Sample : Q2893-07
 Misc : PEST LOD 1PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:02:41 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...	3.557	2.878	49747470	418.7E6	16.951	18.989
28)	SA Decachlor...	9.083	8.068	78879810	506.5E6	18.276	19.565
Target Compounds							
2)	A alpha-BHC	4.006	3.388	5279930	41819213	0.880	1.232m#
3)	MA gamma-BHC...	4.338	3.726	5452194	37854772	0.952	1.214 #
4)	MA Heptachlor	4.936	4.079	5788338	38366970	1.032	1.230
5)	MB Aldrin	5.278	4.365	5547357	37948610	1.025	1.246
6)	B beta-BHC	4.524	4.022	2448708	18074484	1.092	1.356
7)	B delta-BHC	4.773	4.259	5719921	39246324	1.105	1.244
8)	B Heptachlo...	5.697	4.869	5358896	35701164	1.092m	1.289
9)	A Endosulfan I	6.081	5.243	5177913	34470785	1.122	1.315
10)	B gamma-Chl...	5.953	5.122	5250610	38209004	1.074	1.290
11)	B alpha-Chl...	6.034	5.187	5480346	37475637	1.113	1.313
12)	B 4,4'-DDE	6.202	5.371	4429285	37463466	1.009m	1.300 #
13)	MA Dieldrin	6.354	5.509	5078022	35824415	1.037	1.223
14)	MA Endrin	6.581	5.787	3818075	37402034	0.921	1.404 #
15)	B Endosulfa...	6.792	6.077	4686173	34408750	1.111m	1.360
16)	A 4,4'-DDD	6.713	5.926	3621168	33089844	1.047	1.376 #
17)	MA 4,4'-DDT	7.029	6.180	3128649	26277314	0.821	1.048 #
18)	B Endrin al...	6.922	6.255	3639192	25523004	1.269m	1.482
19)	B Endosulfa...	7.157	6.479	4443934	30874566	1.134	1.266
20)	A Methoxychlor	7.501	6.750	1942872	15399733	0.969	1.194
21)	B Endrin ke...	7.637	6.988	4723086	36369250	1.140m	1.365
22)	Mirex	8.121	7.181	3518920	24648550	1.116	1.193

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
Data File : PD090147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 12:49
Operator : AR\AJ
Sample : Q2893-07
Misc : PEST LOD 1PPB
ALS Vial : 9 Sample Multiplier: 1

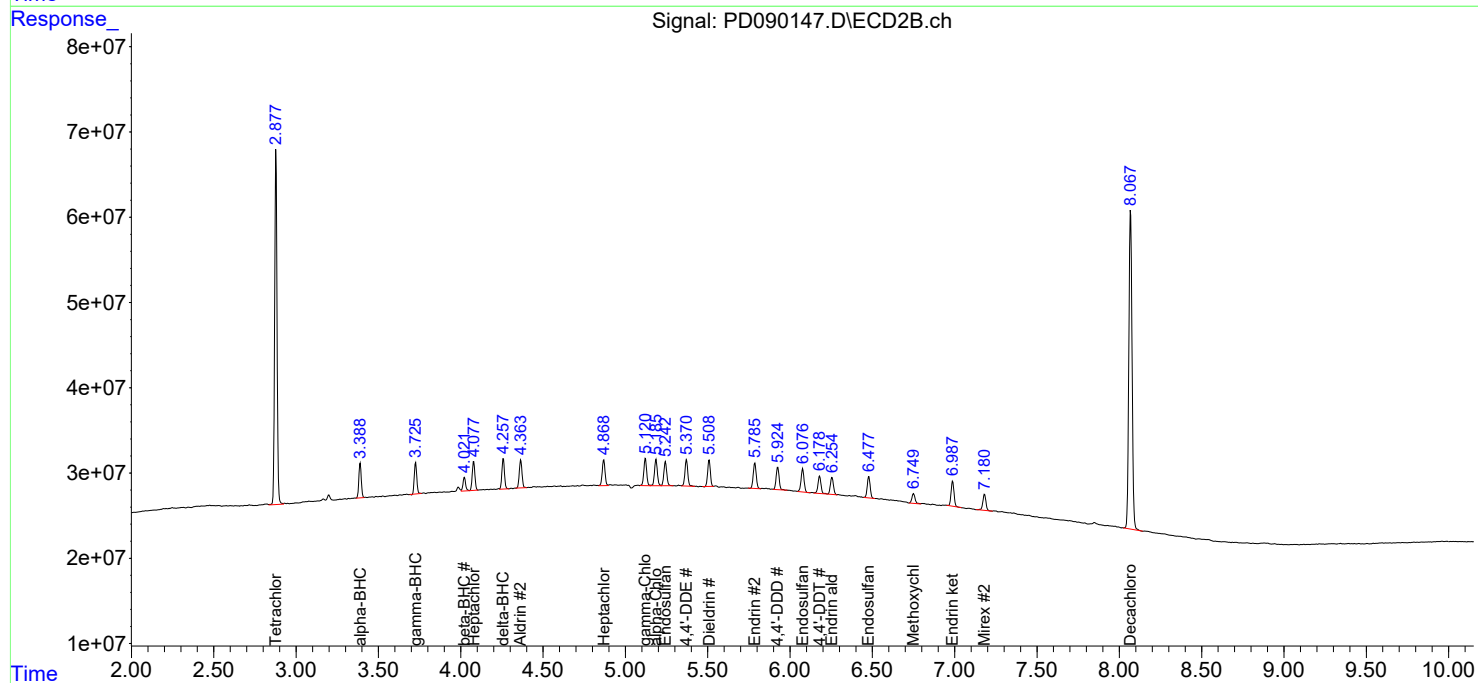
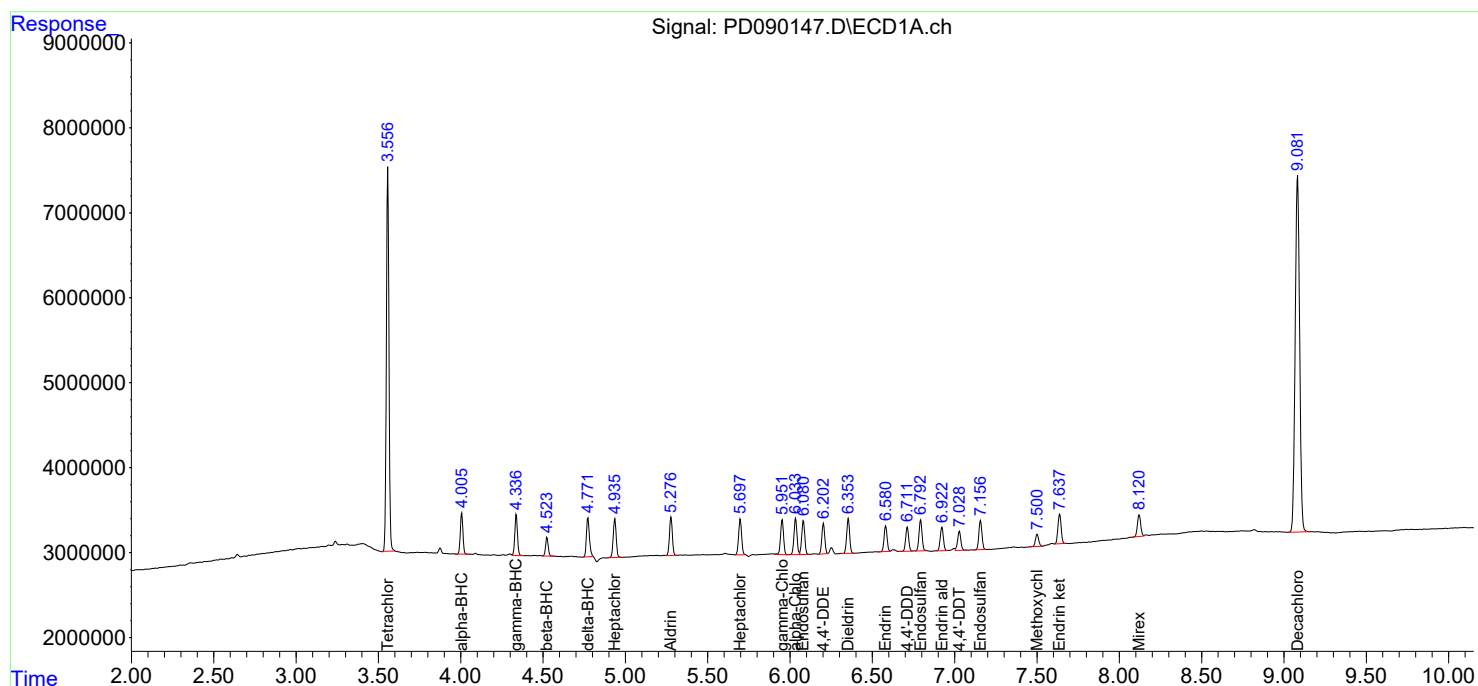
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

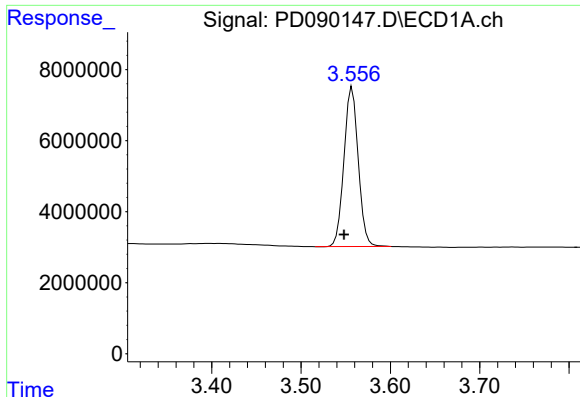
Manual Integrations
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Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 02:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
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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





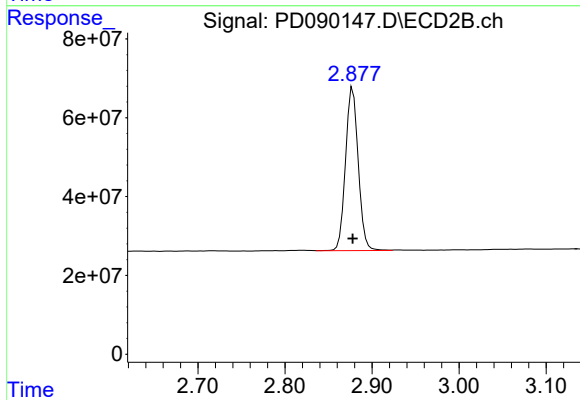
#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.009 min
Response: 49747470
Conc: 16.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
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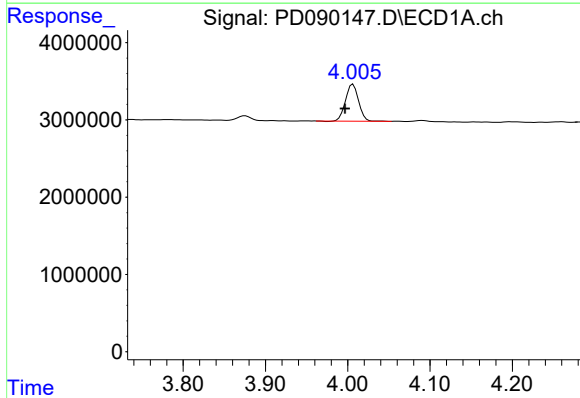
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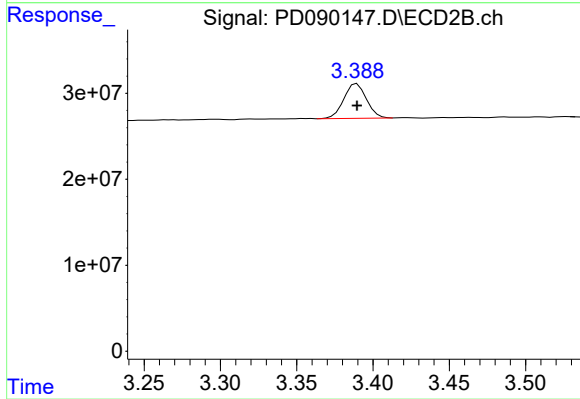
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 418715364
Conc: 18.99 ng/ml



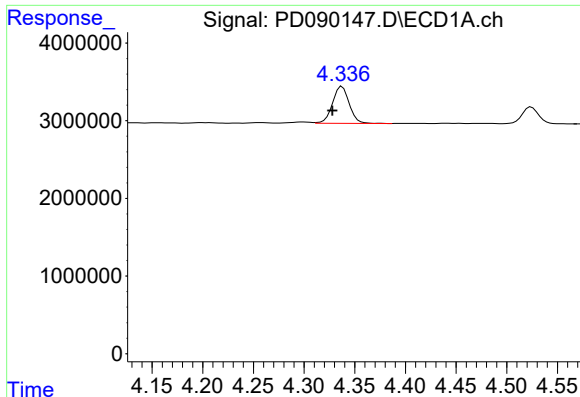
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.009 min
Response: 5279930
Conc: 0.88 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 41819213
Conc: 1.23 ng/ml m



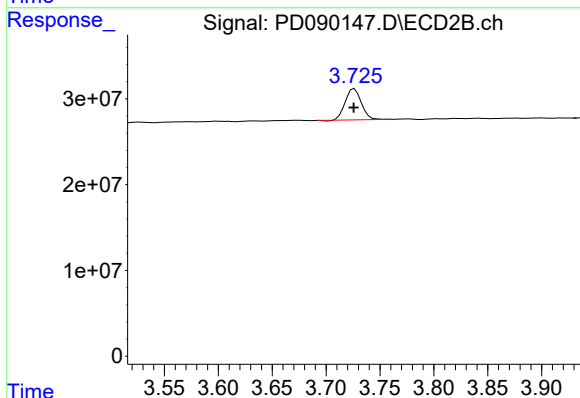
#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.010 min
Response: 5452194
Conc: 0.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
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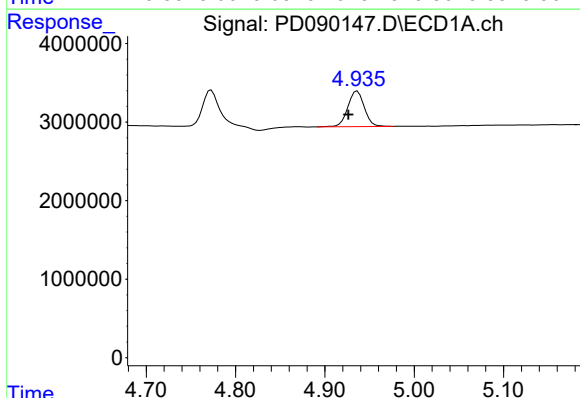
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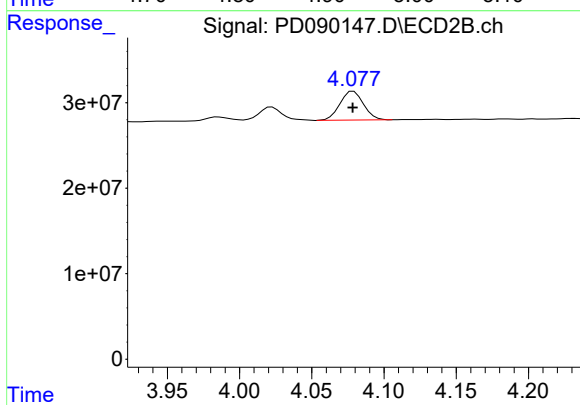
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 37854772
Conc: 1.21 ng/ml



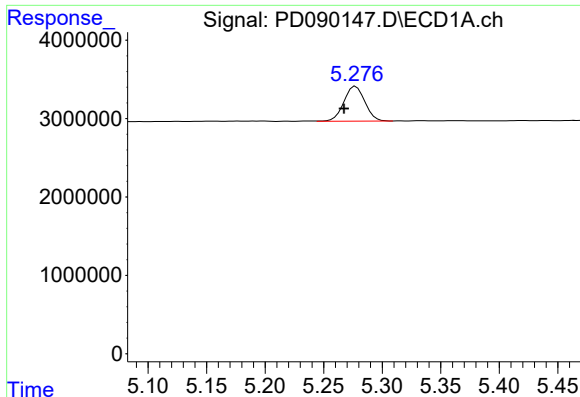
#4 Heptachlor

R.T.: 4.936 min
Delta R.T.: 0.010 min
Response: 5788338
Conc: 1.03 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 38366970
Conc: 1.23 ng/ml



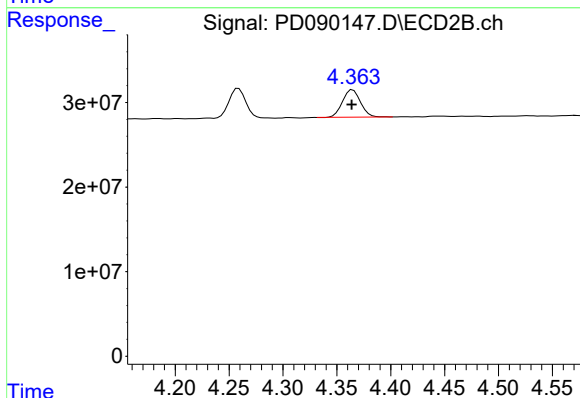
#5 Aldrin

R.T.: 5.278 min
Delta R.T.: 0.010 min
Response: 5547357
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

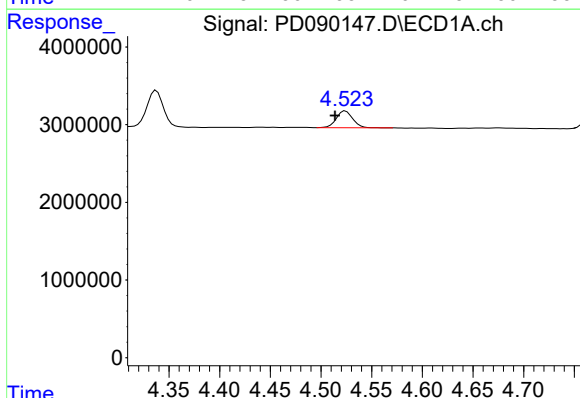
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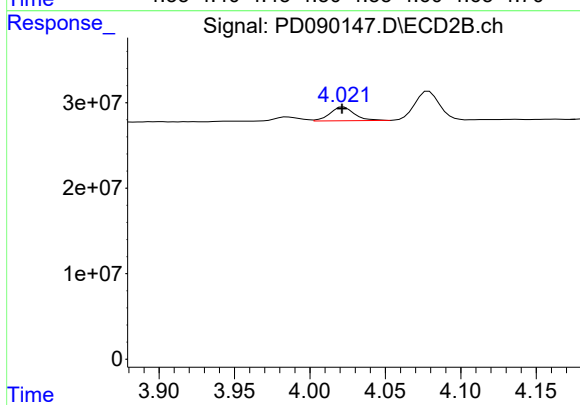
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.001 min
Response: 37948610
Conc: 1.25 ng/ml



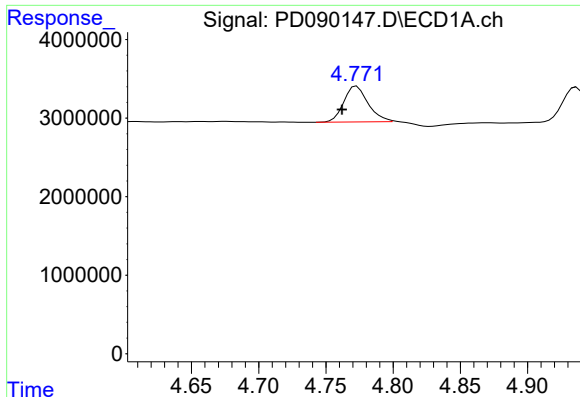
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.010 min
Response: 2448708
Conc: 1.09 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.001 min
Response: 18074484
Conc: 1.36 ng/ml



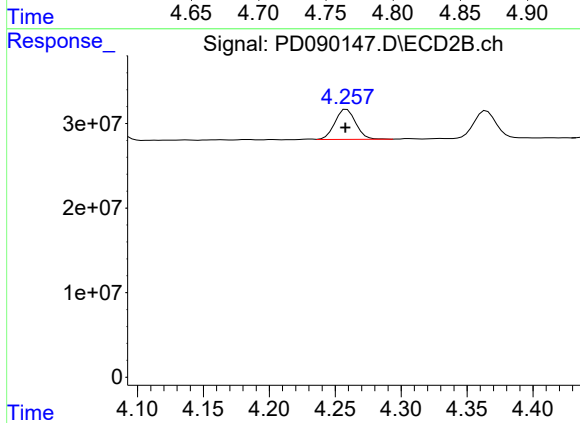
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.011 min
Response: 5719921
Conc: 1.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

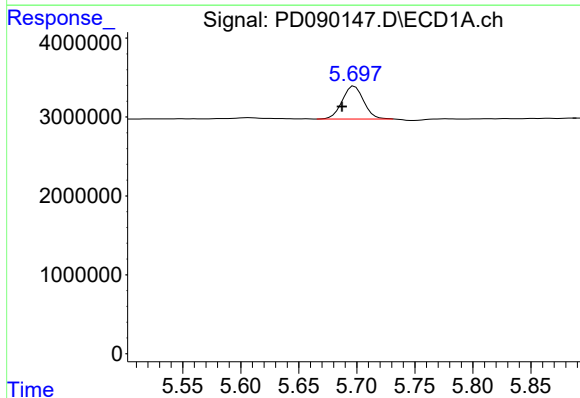
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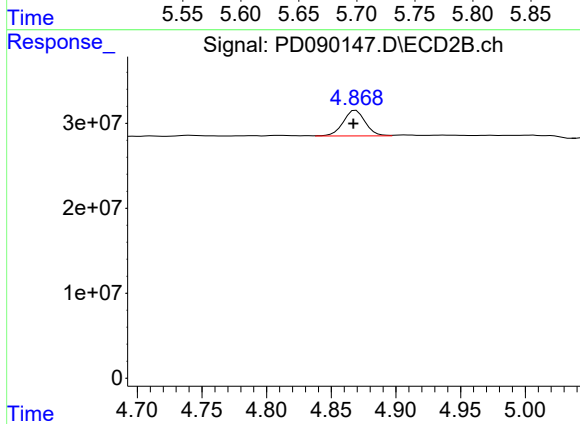
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.001 min
Response: 39246324
Conc: 1.24 ng/ml



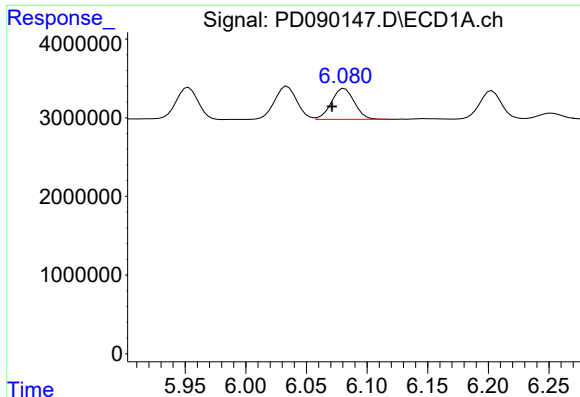
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.009 min
Response: 5358896
Conc: 1.09 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.002 min
Response: 35701164
Conc: 1.29 ng/ml



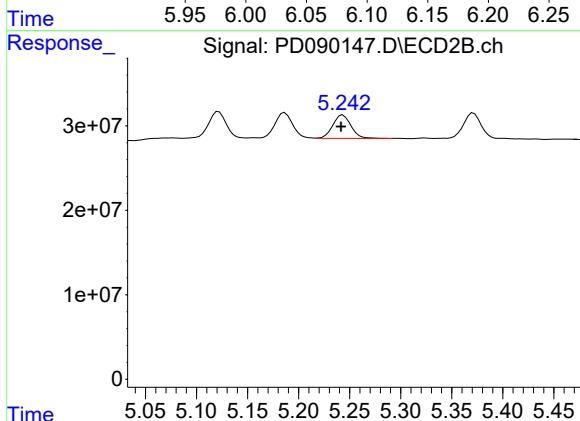
#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.010 min
Response: 5177913
Conc: 1.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

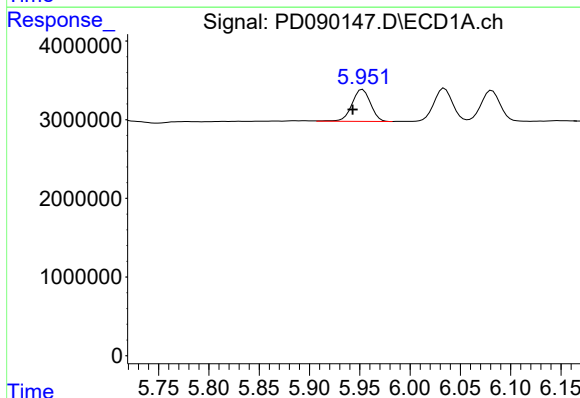
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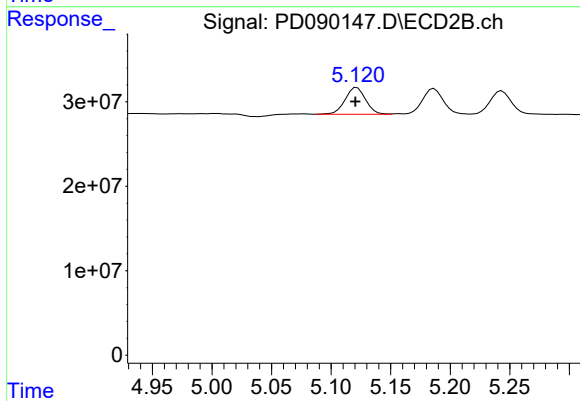
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 34470785
Conc: 1.31 ng/ml



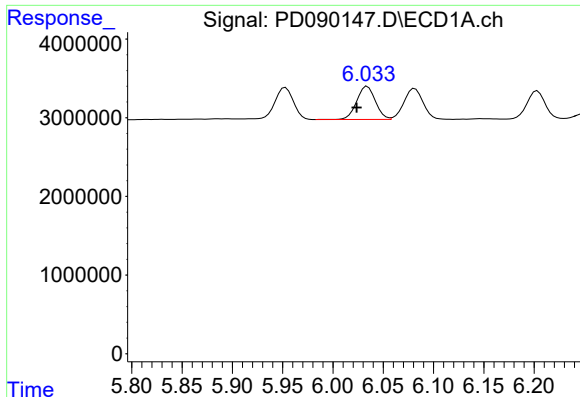
#10 gamma-Chlordane

R.T.: 5.953 min
Delta R.T.: 0.010 min
Response: 5250610
Conc: 1.07 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.001 min
Response: 38209004
Conc: 1.29 ng/ml



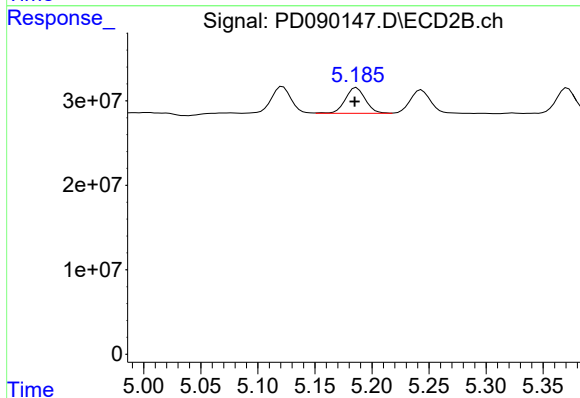
#11 alpha-Chlordane

R.T.: 6.034 min
Delta R.T.: 0.011 min
Response: 5480346
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
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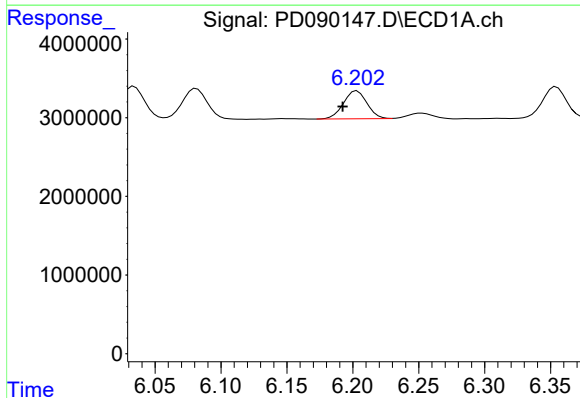
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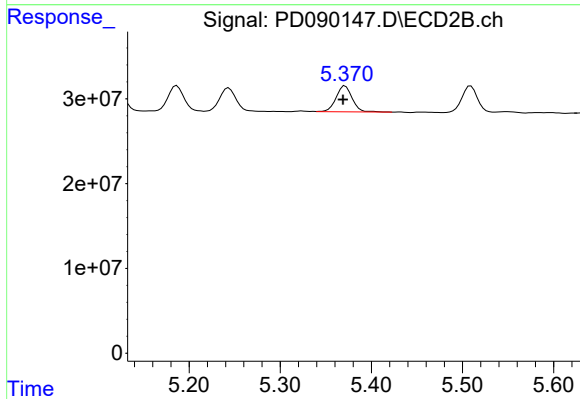
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.002 min
Response: 37475637
Conc: 1.31 ng/ml



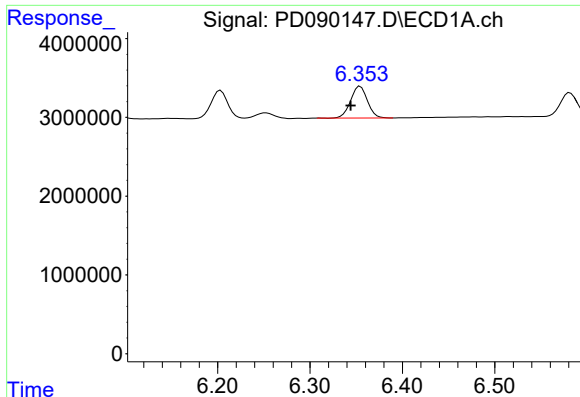
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.009 min
Response: 4429285
Conc: 1.01 ng/ml m



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 37463466
Conc: 1.30 ng/ml



#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.010 min
Response: 5078022
Conc: 1.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

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#13 Dieldrin

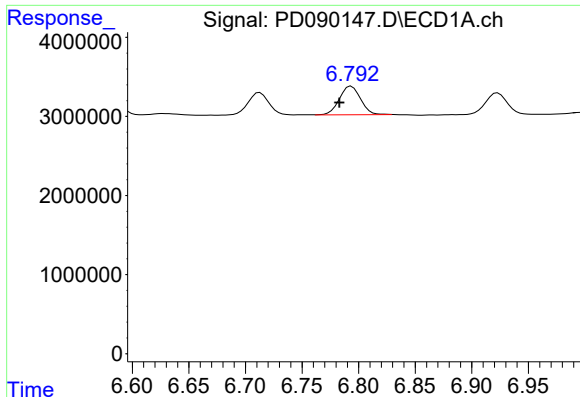
R.T.: 5.509 min
Delta R.T.: 0.002 min
Response: 35824415
Conc: 1.22 ng/ml

#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.010 min
Response: 3818075
Conc: 0.92 ng/ml

#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 37402034
Conc: 1.40 ng/ml



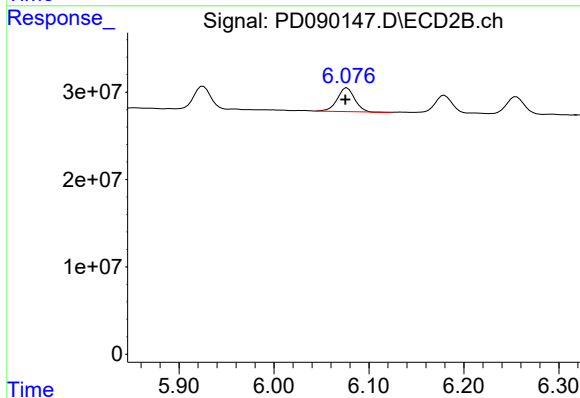
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.009 min
Response: 4686173
Conc: 1.11 ng/ml

Instrument :
ECD_D
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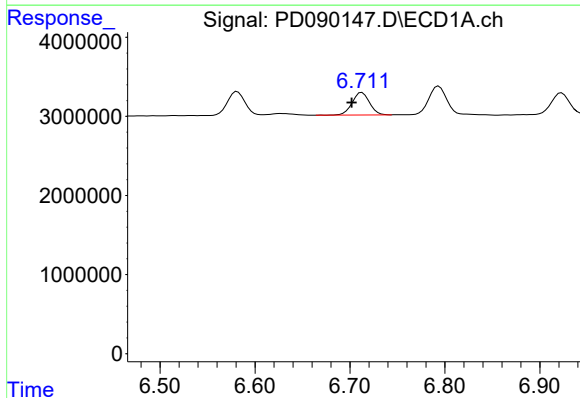
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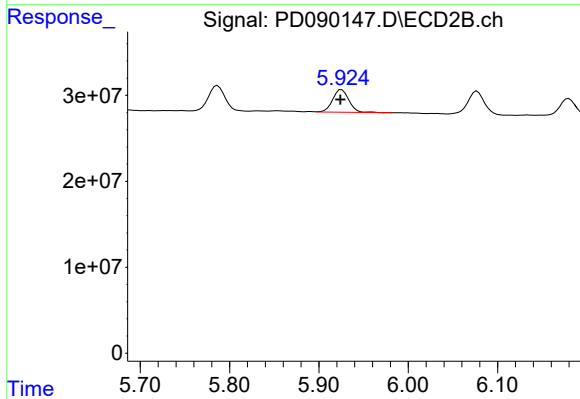
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.002 min
Response: 34408750
Conc: 1.36 ng/ml



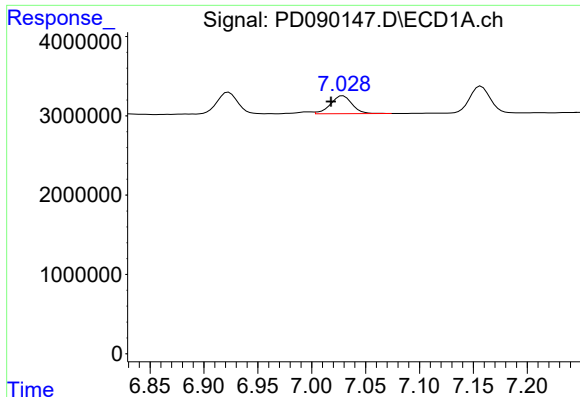
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.011 min
Response: 3621168
Conc: 1.05 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.002 min
Response: 33089844
Conc: 1.38 ng/ml



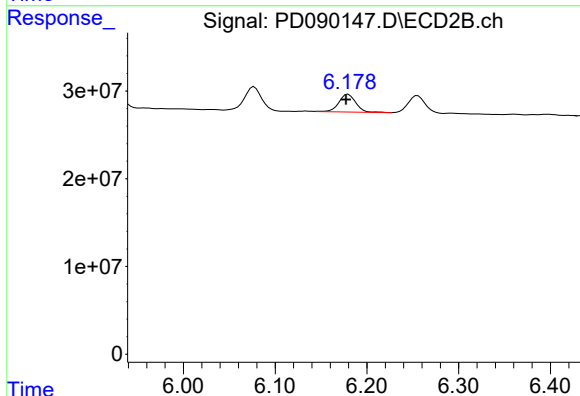
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.011 min
Response: 3128649
Conc: 0.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
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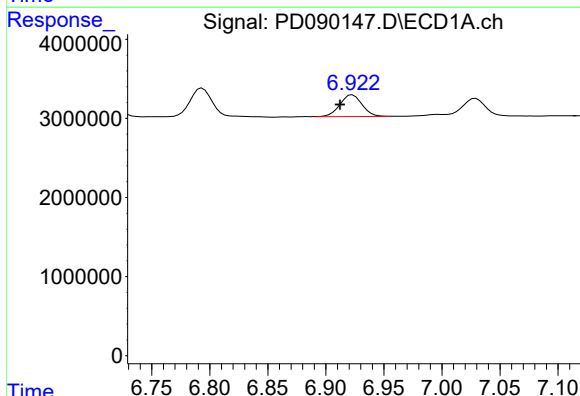
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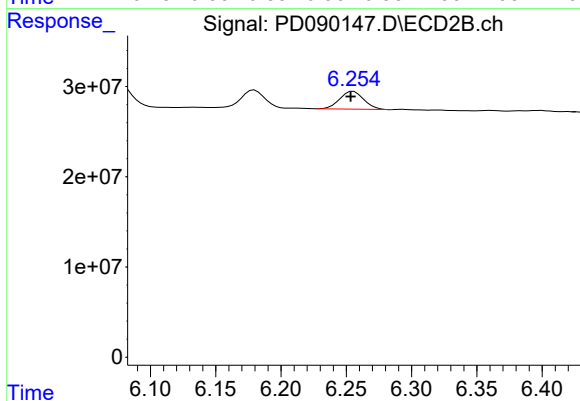
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.002 min
Response: 26277314
Conc: 1.05 ng/ml



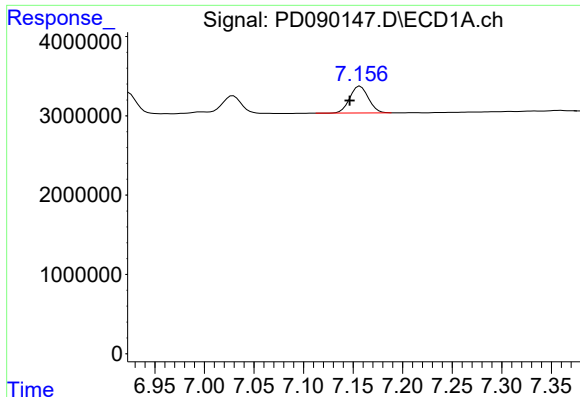
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.009 min
Response: 3639192
Conc: 1.27 ng/ml m



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.002 min
Response: 25523004
Conc: 1.48 ng/ml



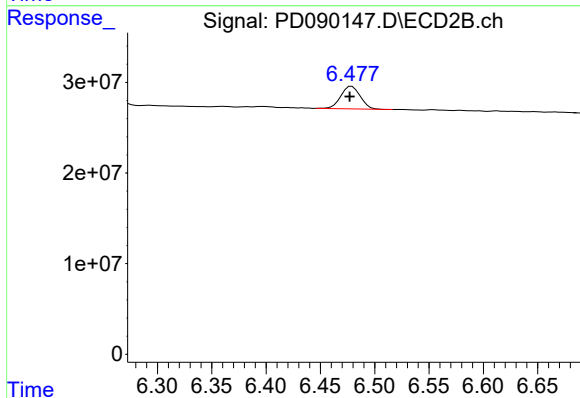
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.010 min
Response: 4443934
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

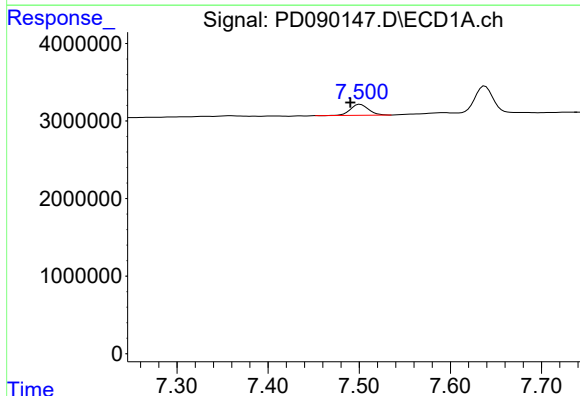
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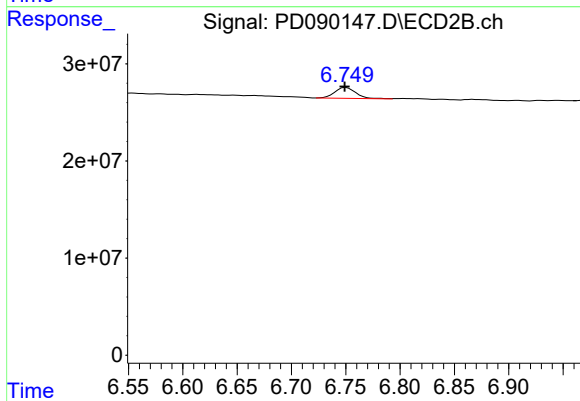
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.002 min
Response: 30874566
Conc: 1.27 ng/ml



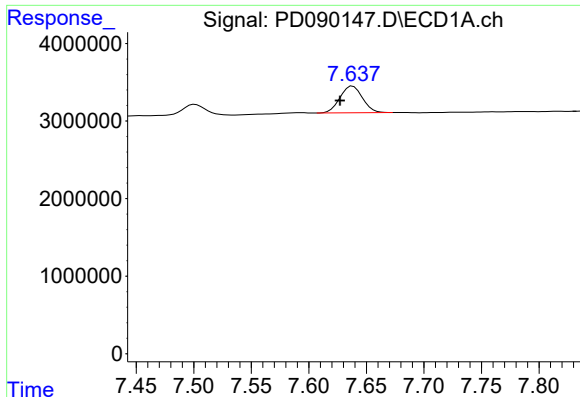
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.011 min
Response: 1942872
Conc: 0.97 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.001 min
Response: 15399733
Conc: 1.19 ng/ml



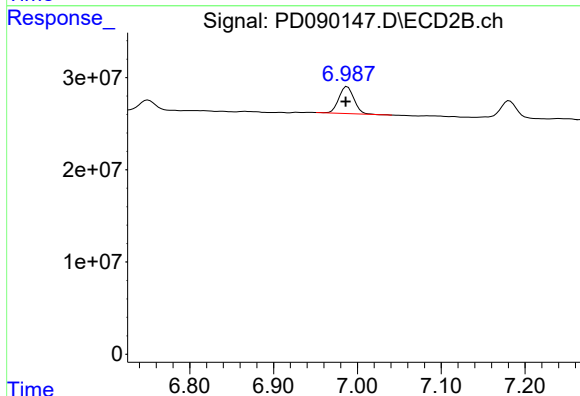
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.009 min
Response: 4723086
Conc: 1.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
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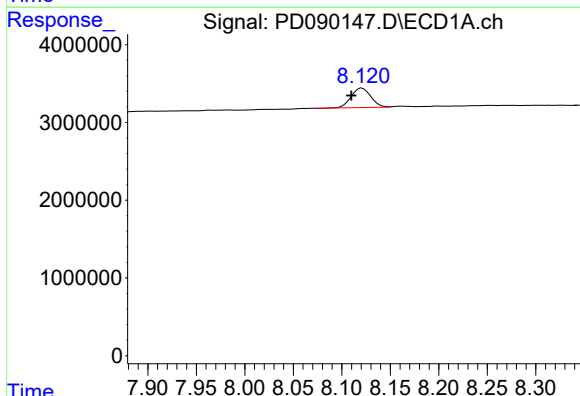
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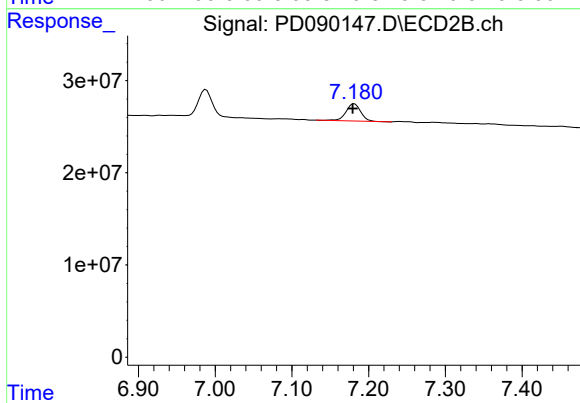
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.002 min
Response: 36369250
Conc: 1.36 ng/ml



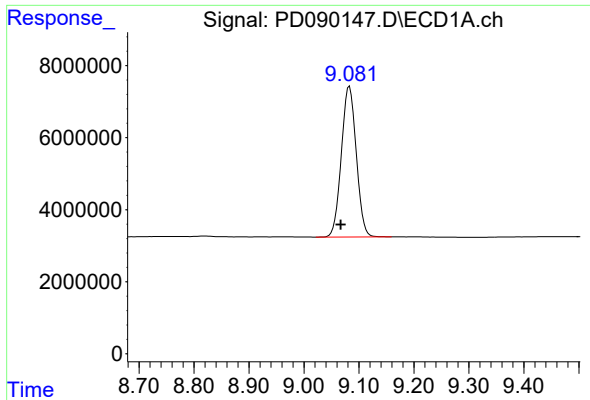
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.011 min
Response: 3518920
Conc: 1.12 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.002 min
Response: 24648550
Conc: 1.19 ng/ml



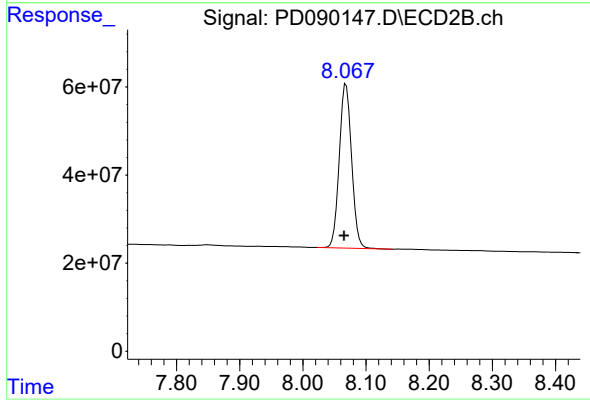
#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.016 min
Response: 78879810
Conc: 18.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.003 min
Response: 506450954
Conc: 19.56 ng/ml