

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092125\
 Data File : PL097295.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 11:58
 Operator : AR\AJ
 Sample : Q2893-07
 Misc : PEST LOD 1PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/22/2025
 Supervised By : mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 01:18:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.820	71706080	109.9E6	15.839	16.711
28)	SA Decachlor...	9.005	7.984	57205855	101.2E6	17.482	17.777
Target Compounds							
2)	A alpha-BHC	3.973	3.325	5598263	8375110	0.801	0.841
3)	MA gamma-BHC...	4.301	3.657	5366936	7962894	0.812	0.855
4)	MA Heptachlor	4.891	4.003	5491682	9793034	0.823m	1.052m#
5)	MB Aldrin	5.232	4.287	5861275	7452918	0.925	0.859
6)	B beta-BHC	4.488	3.953	2576906	4785395	0.945m	1.178m
7)	B delta-BHC	4.735	4.185	9420220	8025854	1.552m	0.873 #
8)	B Heptachlo...	5.650	4.790	5655357	7233151	0.984m	0.912
9)	A Endosulfan I	6.035	5.160	5024344	7052074	0.970	0.918
10)	B gamma-Chl...	5.906	5.040	4864112	8329765	0.860	0.954m
11)	B alpha-Chl...	5.986	5.105	5921660	7490312	1.043	0.902
12)	B 4,4'-DDE	6.156	5.294	4117060	6676667	0.864m	0.869
13)	MA Dieldrin	6.307	5.425	4897888	7356818	0.893	0.900
14)	MA Endrin	6.532	5.701	5770914	7465209	1.251m	0.994
15)	B Endosulfa...	6.744	5.991	5672170	6989509	1.153m	0.983m
16)	A 4,4'-DDD	6.667	5.846	4489664	5671446	1.191m	0.879m#
17)	MA 4,4'-DDT	6.979	6.101	3424544	5545490	0.810m	0.801
18)	B Endrin al...	6.874	6.169	3271711	6941157	1.061m	1.300m
19)	B Endosulfa...	7.107	6.394	3772753	7113189	0.924m	1.038
20)	A Methoxychlor	7.453	6.672	1855913	3410805	0.890m	0.905m
21)	B Endrin ke...	7.587	6.897	3863311	9681992	0.910m	1.286m#
22)	Mirex	8.066	7.088	3720853	7095091	1.048m	1.187

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092125\
Data File : PL097295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 11:58
Operator : AR\AJ
Sample : Q2893-07
Misc : PEST LOD 1PPB
ALS Vial : 5 Sample Multiplier: 1

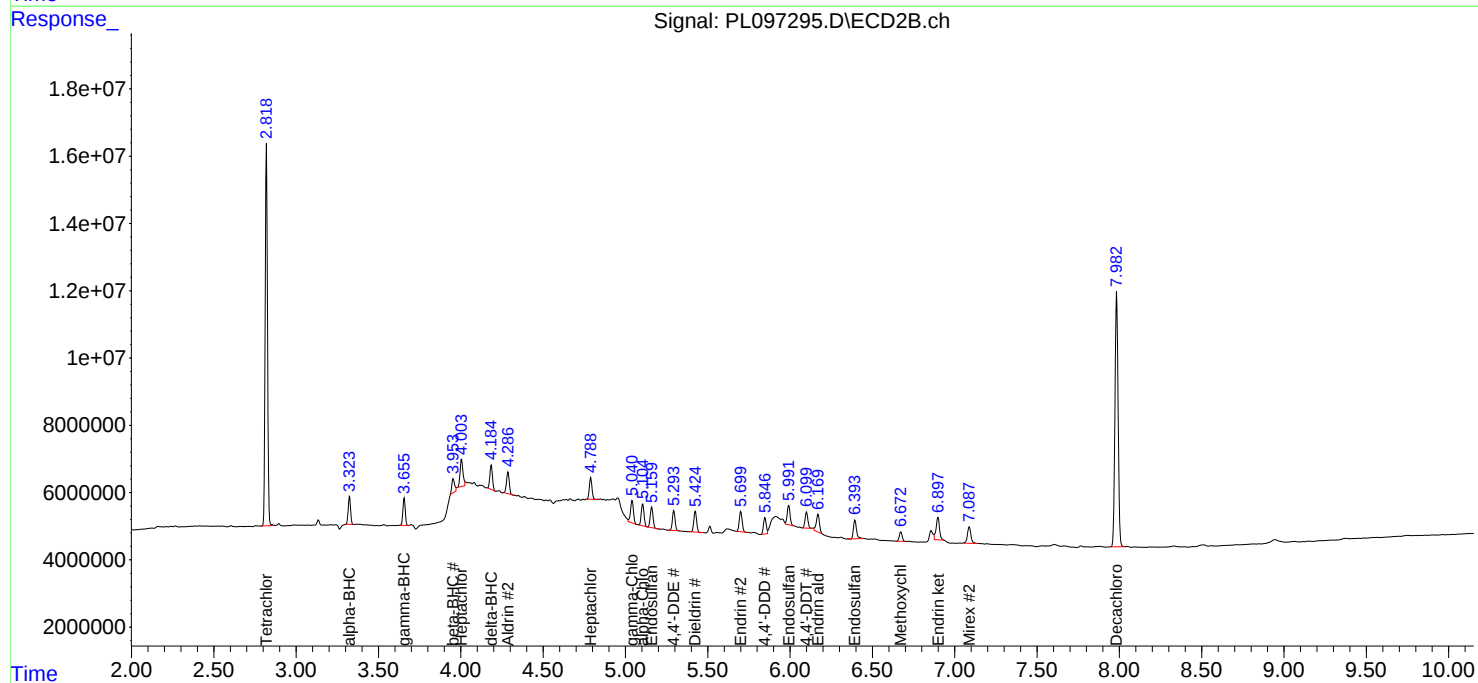
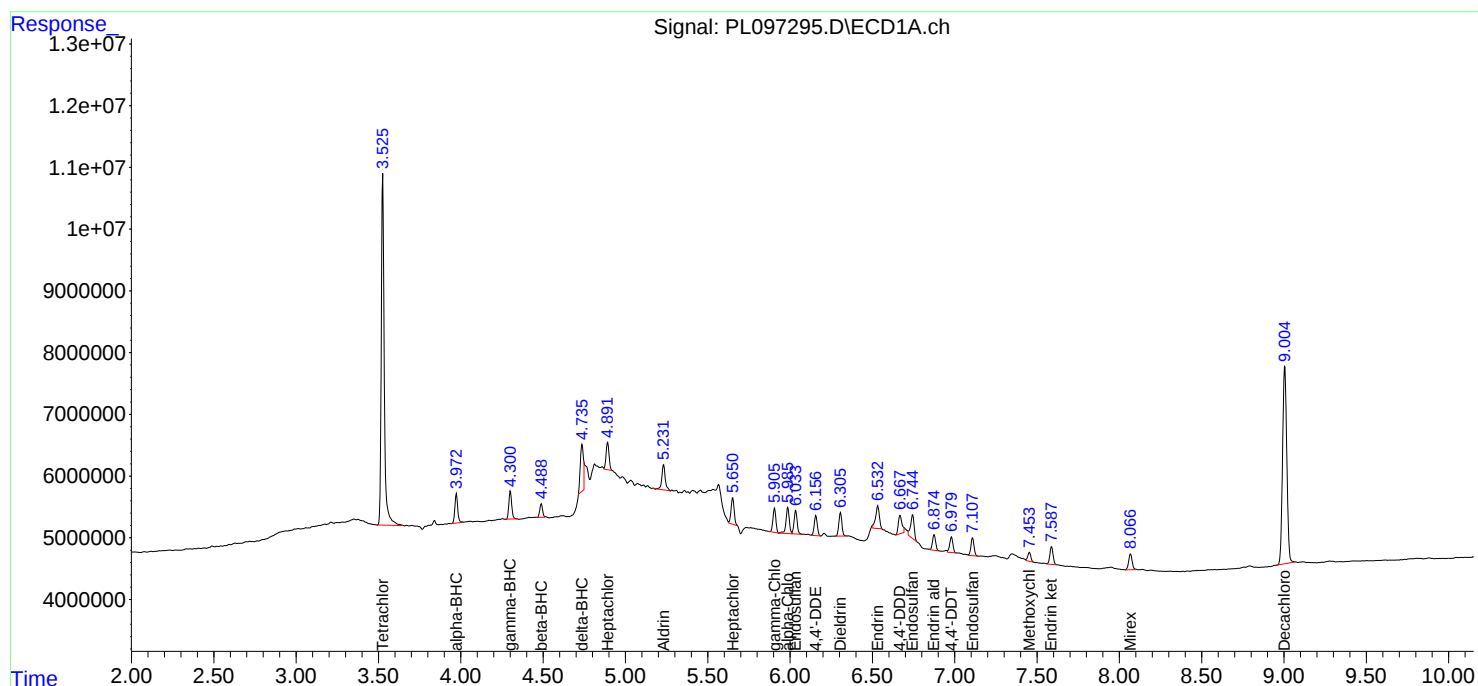
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

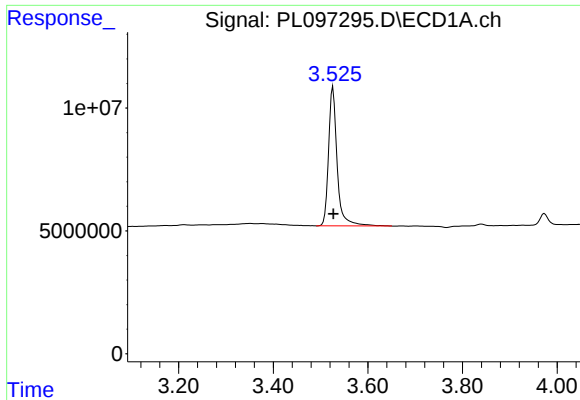
Manual Integrations
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Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 01:18:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





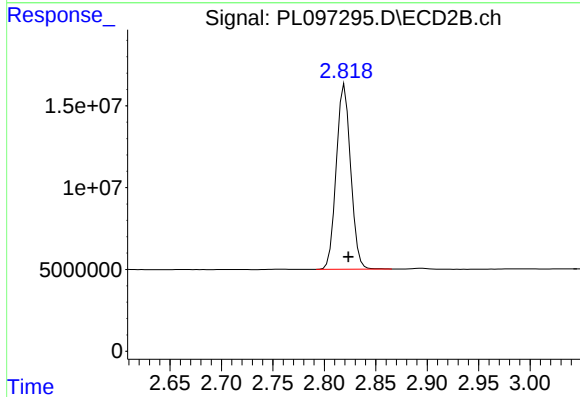
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 71706080
Conc: 15.84 ng/ml

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

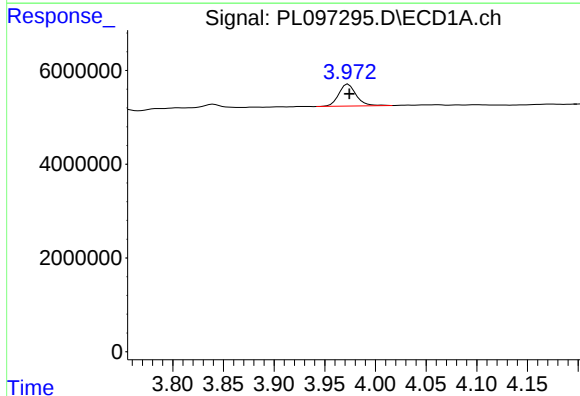
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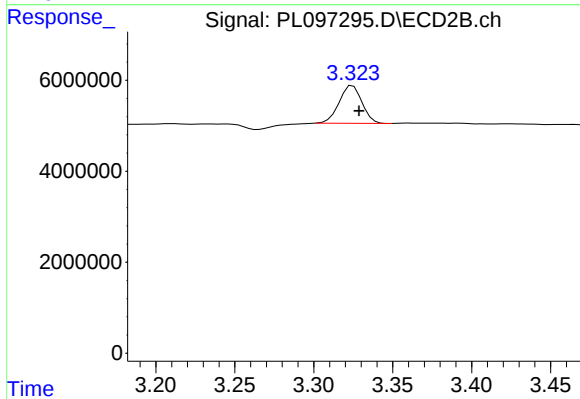
#1 Tetrachloro-m-xylene

R.T.: 2.820 min
Delta R.T.: -0.004 min
Response: 109884297
Conc: 16.71 ng/ml



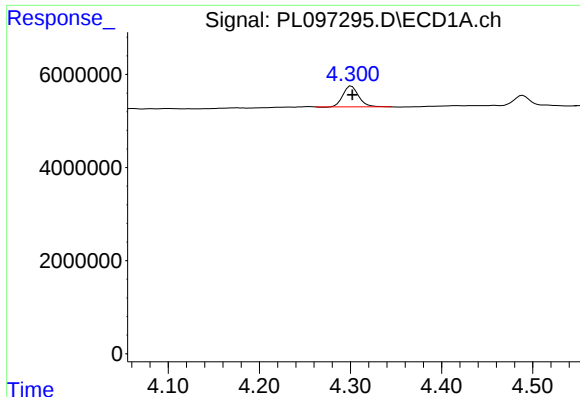
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: 0.000 min
Response: 5598263
Conc: 0.80 ng/ml



#2 alpha-BHC

R.T.: 3.325 min
Delta R.T.: -0.004 min
Response: 8375110
Conc: 0.84 ng/ml



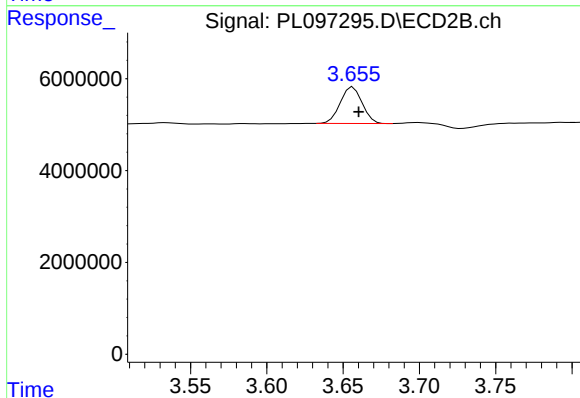
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 5366936
Conc: 0.81 ng/ml

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

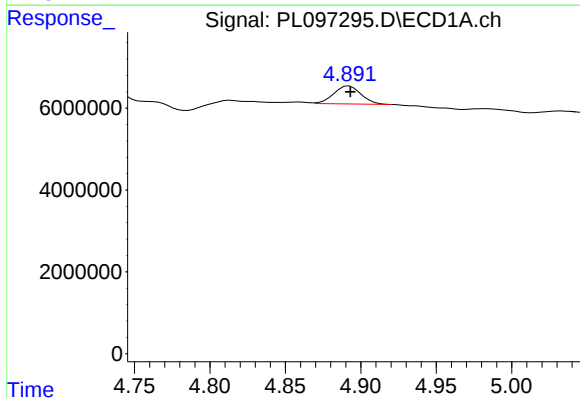
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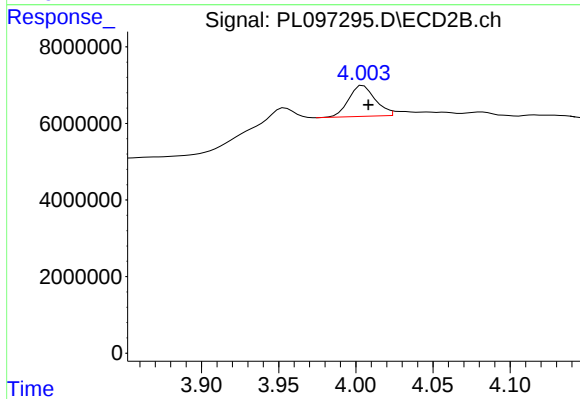
#3 gamma-BHC (Lindane)

R.T.: 3.657 min
Delta R.T.: -0.004 min
Response: 7962894
Conc: 0.85 ng/ml



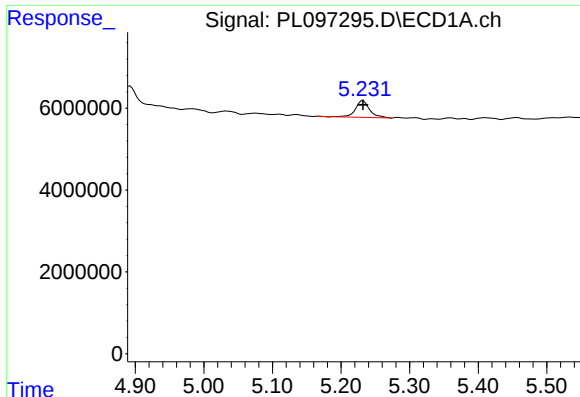
#4 Heptachlor

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 5491682
Conc: 0.82 ng/ml m



#4 Heptachlor

R.T.: 4.003 min
Delta R.T.: -0.005 min
Response: 9793034
Conc: 1.05 ng/ml m



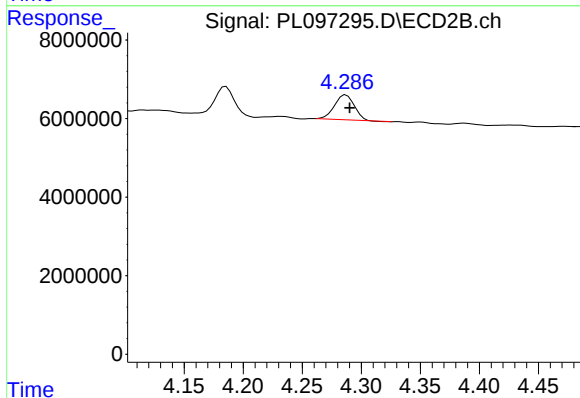
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 5861275
Conc: 0.93 ng/ml

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

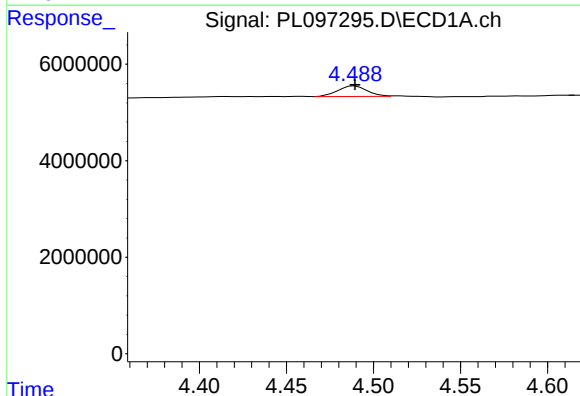
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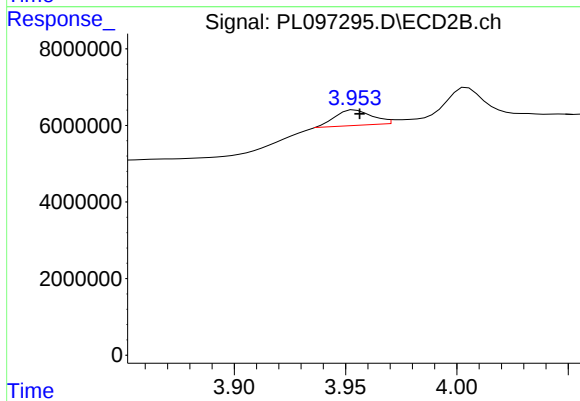
#5 Aldrin

R.T.: 4.287 min
Delta R.T.: -0.003 min
Response: 7452918
Conc: 0.86 ng/ml



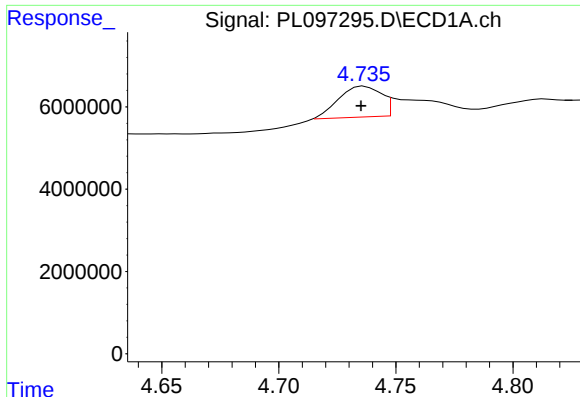
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 2576906
Conc: 0.95 ng/ml m



#6 beta-BHC

R.T.: 3.953 min
Delta R.T.: -0.003 min
Response: 4785395
Conc: 1.18 ng/ml m



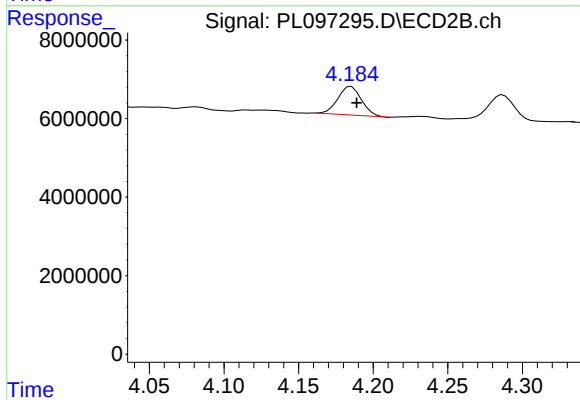
#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: 0.000 min
Response: 9420220
Conc: 1.55 ng/ml

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

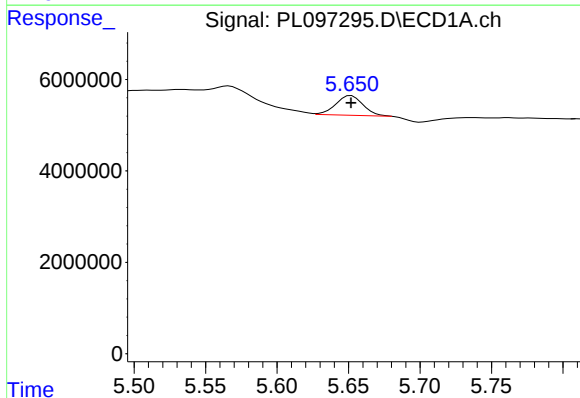
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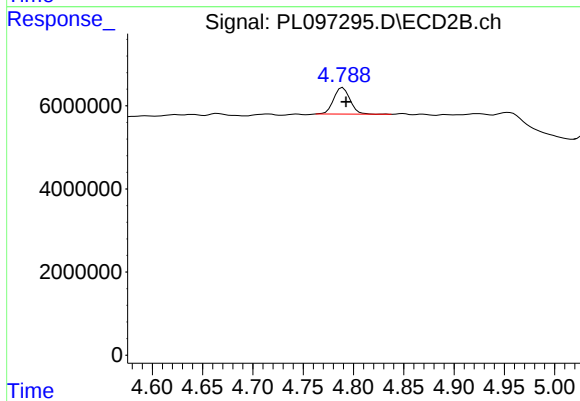
#7 delta-BHC

R.T.: 4.185 min
Delta R.T.: -0.004 min
Response: 8025854
Conc: 0.87 ng/ml



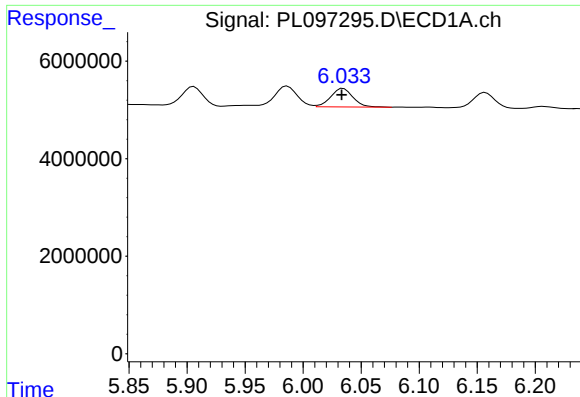
#8 Heptachlor epoxide

R.T.: 5.650 min
Delta R.T.: -0.001 min
Response: 5655357
Conc: 0.98 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: -0.003 min
Response: 7233151
Conc: 0.91 ng/ml



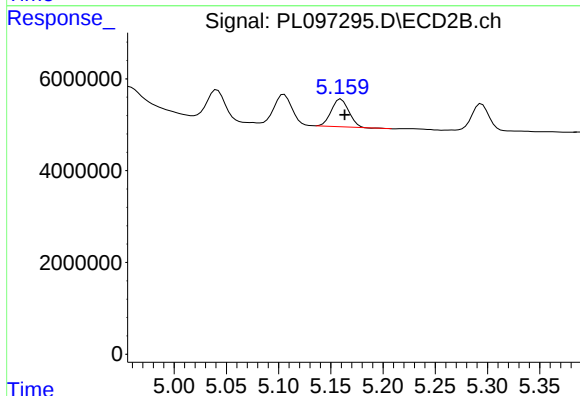
#9 Endosulfan I

R.T.: 6.035 min
Delta R.T.: 0.001 min
Response: 5024344
Conc: 0.97 ng/ml

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

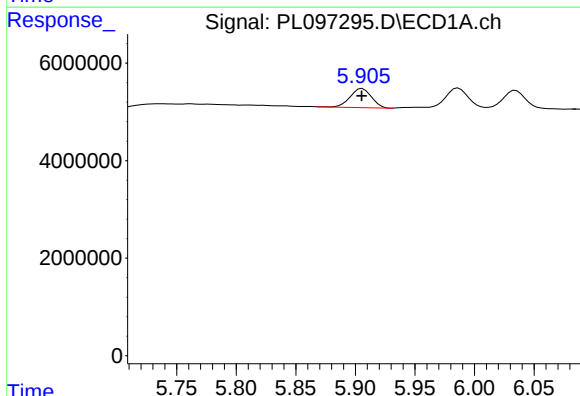
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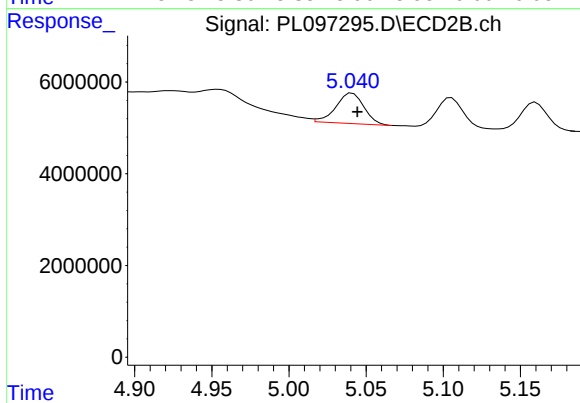
#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: -0.003 min
Response: 7052074
Conc: 0.92 ng/ml



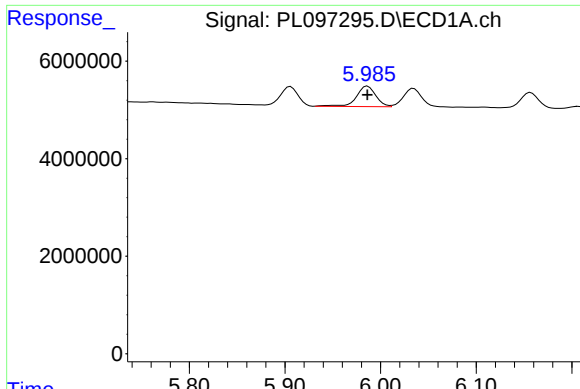
#10 gamma-Chlordane

R.T.: 5.906 min
Delta R.T.: 0.000 min
Response: 4864112
Conc: 0.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.005 min
Response: 8329765
Conc: 0.95 ng/ml m



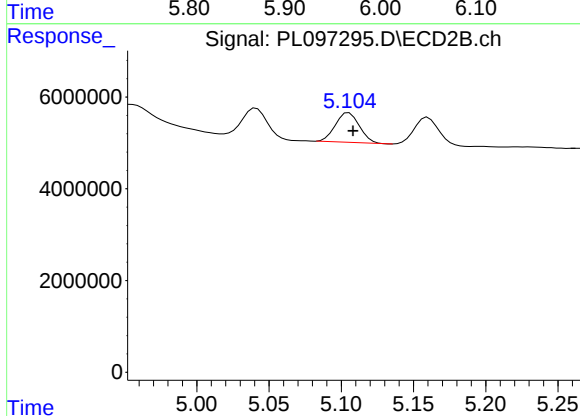
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 5921660
Conc: 1.04 ng/ml

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

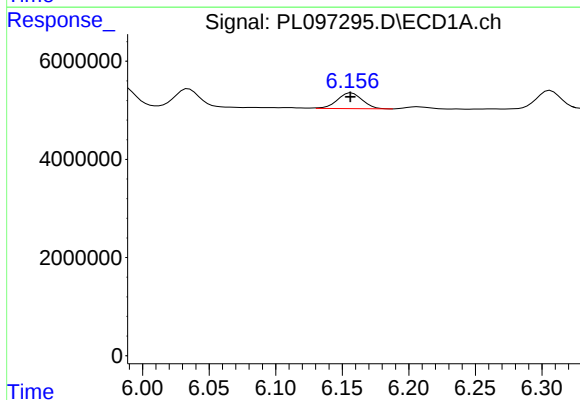
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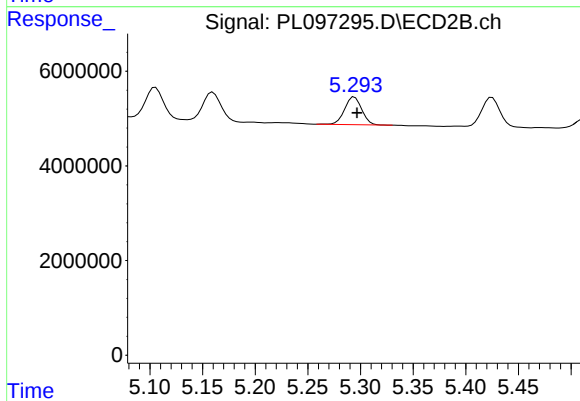
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.003 min
Response: 7490312
Conc: 0.90 ng/ml



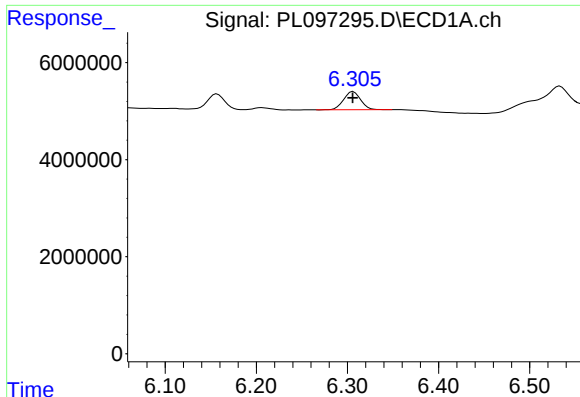
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 4117060
Conc: 0.86 ng/ml m



#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 6676667
Conc: 0.87 ng/ml



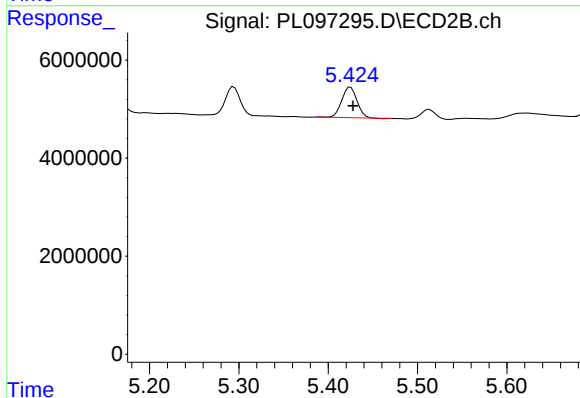
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 4897888
Conc: 0.89 ng/ml

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

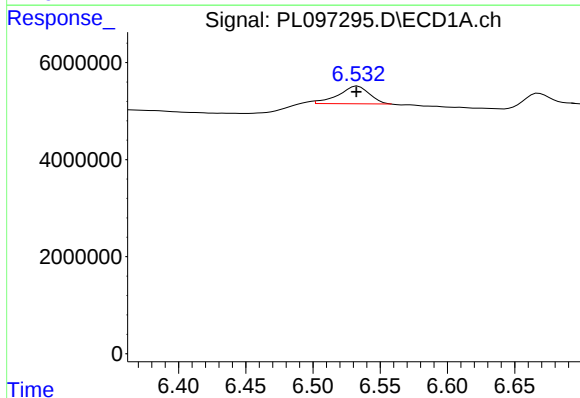
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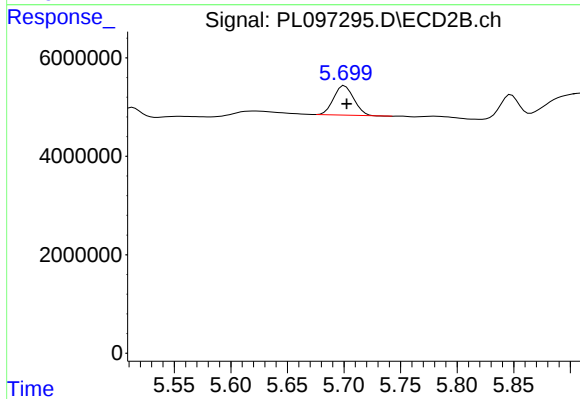
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.003 min
Response: 7356818
Conc: 0.90 ng/ml



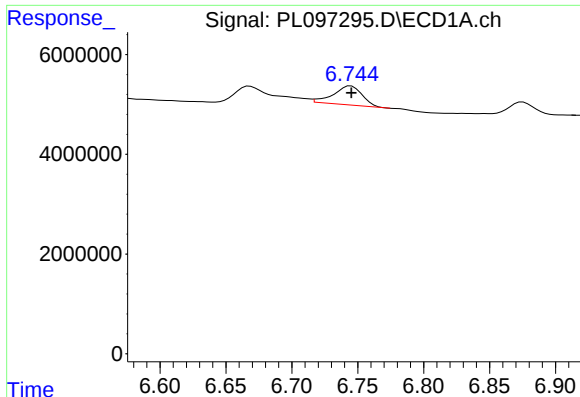
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 5770914
Conc: 1.25 ng/ml m



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 7465209
Conc: 0.99 ng/ml



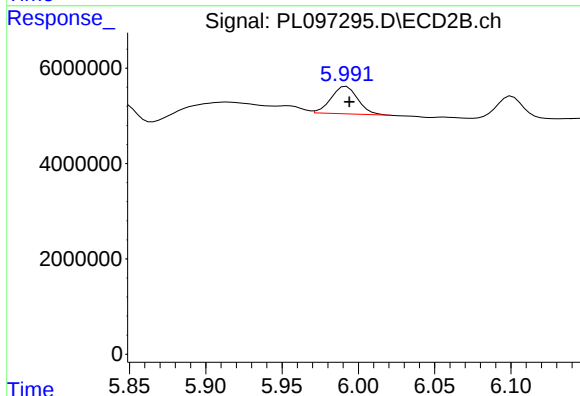
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 5672170
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
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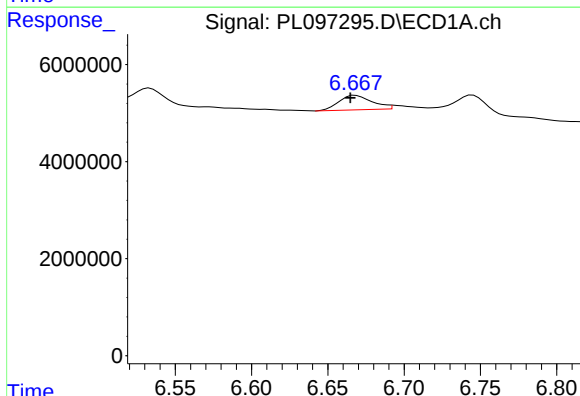
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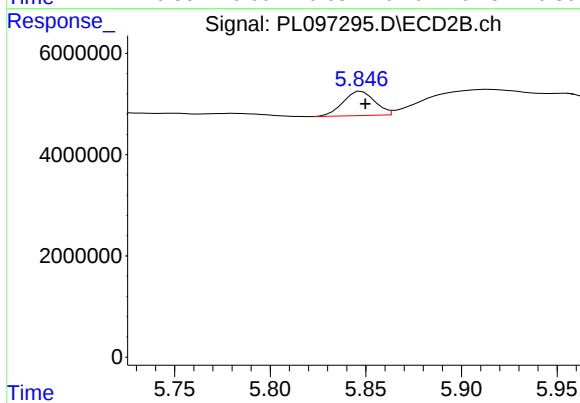
#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: -0.004 min
Response: 6989509
Conc: 0.98 ng/ml m



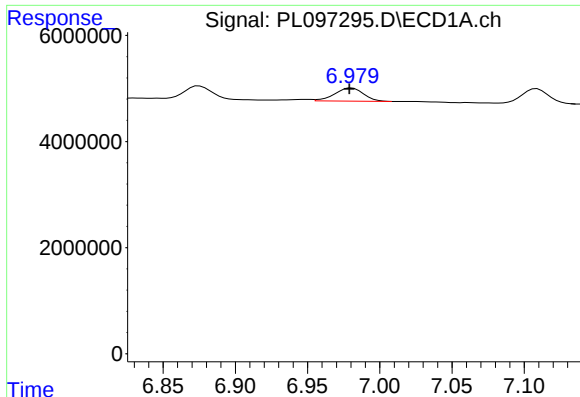
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: 0.002 min
Response: 4489664
Conc: 1.19 ng/ml m



#16 4,4'-DDD

R.T.: 5.846 min
Delta R.T.: -0.003 min
Response: 5671446
Conc: 0.88 ng/ml m



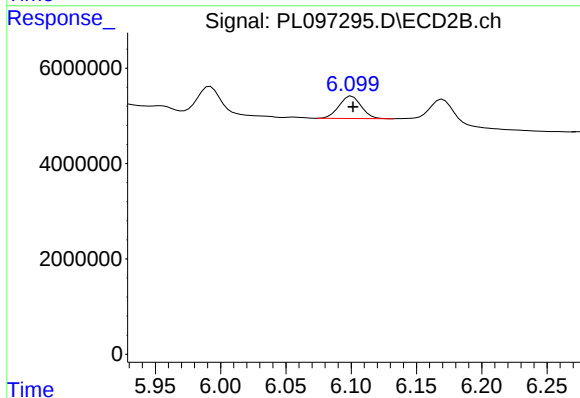
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 3424544
Conc: 0.81 ng/ml

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

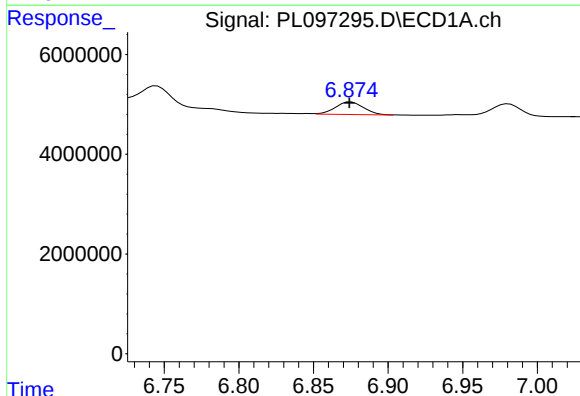
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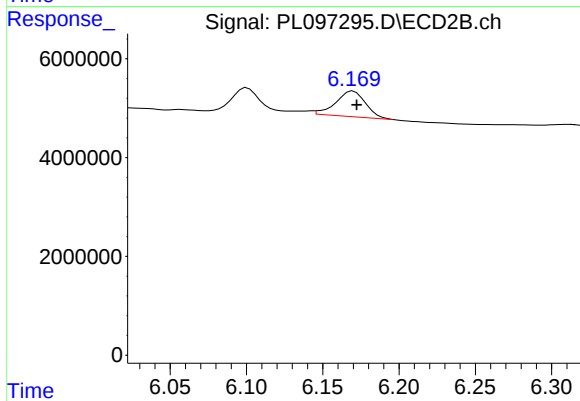
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.001 min
Response: 5545490
Conc: 0.80 ng/ml



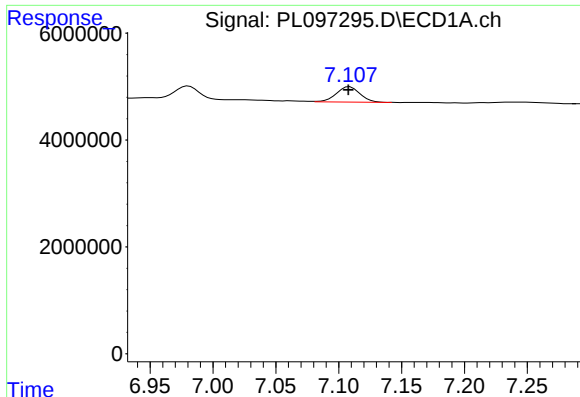
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 3271711
Conc: 1.06 ng/ml m



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: -0.004 min
Response: 6941157
Conc: 1.30 ng/ml m



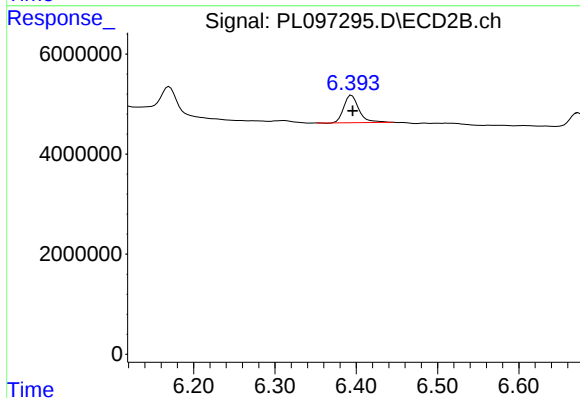
#19 Endosulfan Sulfate

R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 3772753
Conc: 0.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
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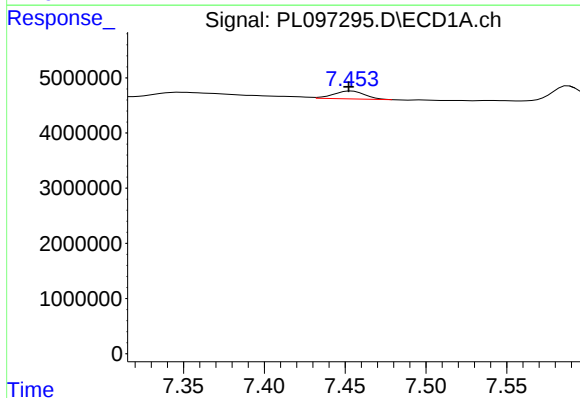
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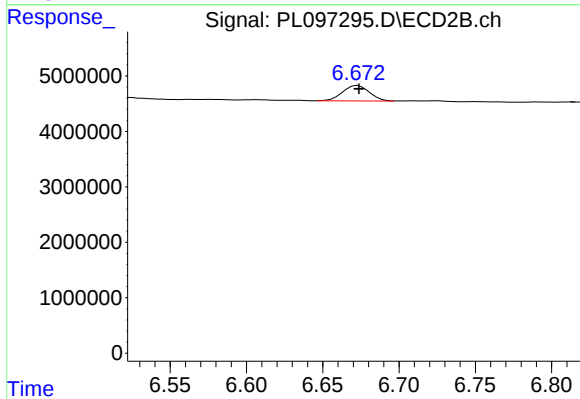
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.001 min
Response: 7113189
Conc: 1.04 ng/ml



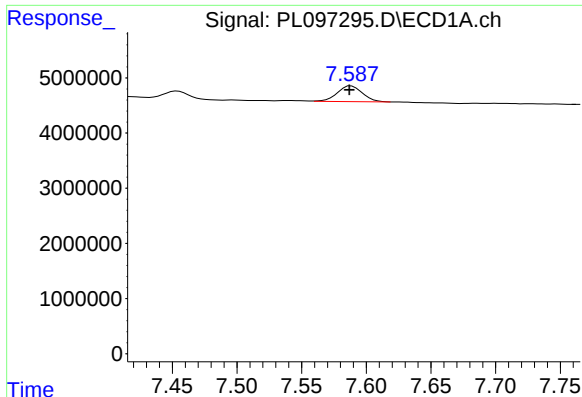
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 1855913
Conc: 0.89 ng/ml m



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 3410805
Conc: 0.90 ng/ml m



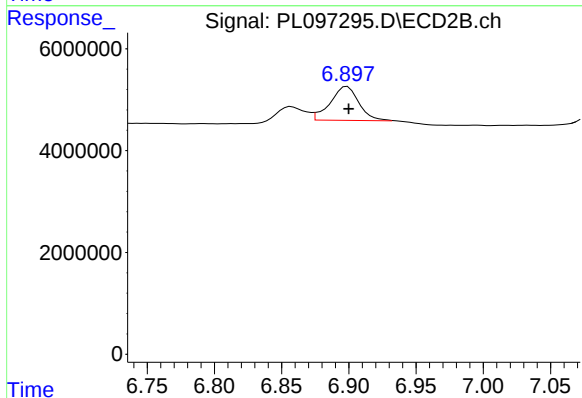
#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: 0.000 min
Response: 3863311
Conc: 0.91 ng/ml

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

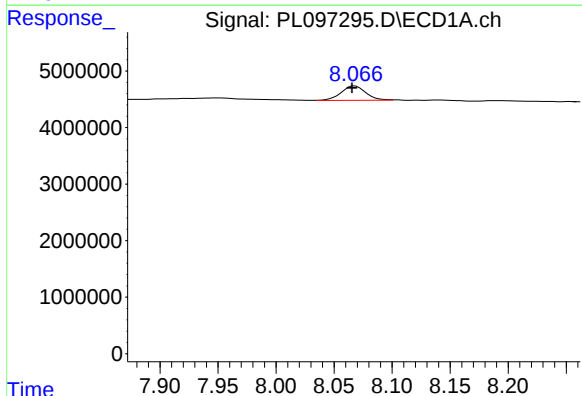
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



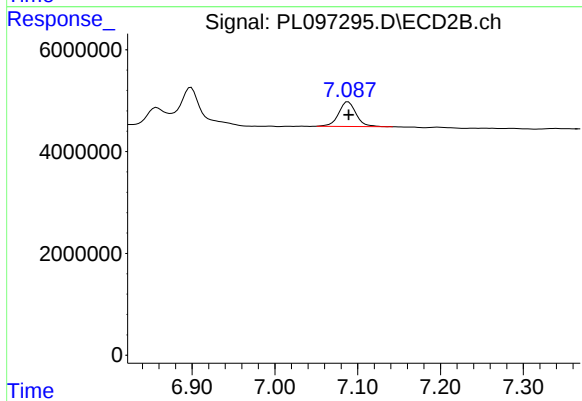
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.002 min
Response: 9681992
Conc: 1.29 ng/ml m



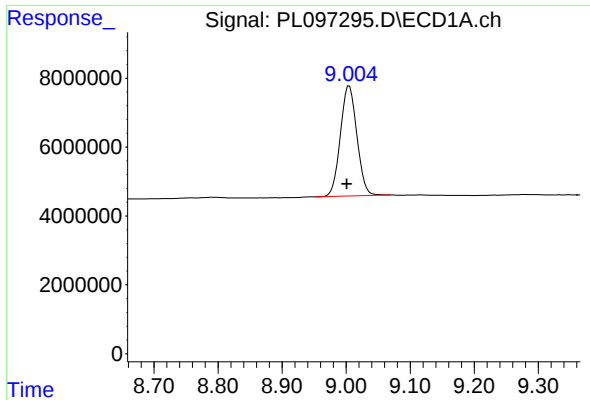
#22 Mirex

R.T.: 8.066 min
Delta R.T.: 0.001 min
Response: 3720853
Conc: 1.05 ng/ml m



#22 Mirex

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 7095091
Conc: 1.19 ng/ml



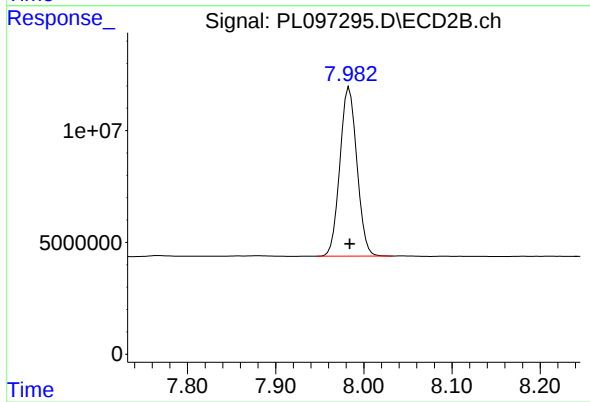
#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: 0.004 min
Response: 57205855
Conc: 17.48 ng/ml

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

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 09/23/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 101176719
Conc: 17.78 ng/ml