

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
 Data File : PL093848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jan 2025 12:24
 Operator : AR\AJ
 Sample : Q1168-09
 Misc : PEST MDL 1PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 01/30/2025
 Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 30 00:24:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 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...	3.547	2.775	54041348	59647623	20.069	18.274
28) SA Decachlor...	9.071	7.917	48622762	77802117	23.243	22.203
Target Compounds						
2) A alpha-BHC	4.003	3.278	4509373	4343774	1.176	0.888
3) MA gamma-BHC...	4.336	3.609	4353827	4028771	1.182	0.850 #
4) MA Heptachlor	4.924	3.947	4425376	4677868	1.350	1.005 #
5) MB Aldrin	5.265	4.227	4564762	4499386	1.395	0.986 #
6) B beta-BHC	4.534	3.909	1942842	2711948	1.209	1.358
7) B delta-BHC	4.779	4.138	5730255	4147473	1.635m	0.873 #
8) B Heptachlo...	5.693	4.730	4058016	4481800	1.365	1.072
9) A Endosulfan I	6.078	5.100	3480992	4446197	1.317	1.147
10) B gamma-Chl...	5.947	4.979	3425267	4574168	1.229m	1.079m
11) B alpha-Chl...	6.027	5.043	3844565	4851481	1.379m	1.159m
12) B 4,4'-DDE	6.200	5.233	3412896	4455465	1.402m	1.111
13) MA Dieldrin	6.351	5.365	4085485	4598306	1.472m	1.070 #
14) MA Endrin	6.582	5.639	2917421	4090455	1.244m	1.108m
15) B Endosulfa...	6.803	5.936	3823098	4498322	1.587m	1.215
16) A 4,4'-DDD	6.718	5.789	2740906	3478848	1.442m	1.102
17) MA 4,4'-DDT	7.032	6.039	2816645	3664120	1.428m	1.126
18) B Endrin al...	6.934	6.115	2854245	3774636	1.468	1.240
19) B Endosulfa...	7.169	6.339	3421440	4125851	1.511	1.157
20) A Methoxychlor	7.509	6.615	1546236	3072276	1.482m	1.718
21) B Endrin ke...	7.653	6.844	4018030	4826274	1.593m	1.150 #
22) Mirex	8.127	7.023	3251344	3980911	1.561	1.177m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 12:24
Operator : AR\AJ
Sample : Q1168-09
Misc : PEST MDL 1PPB
ALS Vial : 9 Sample Multiplier: 1

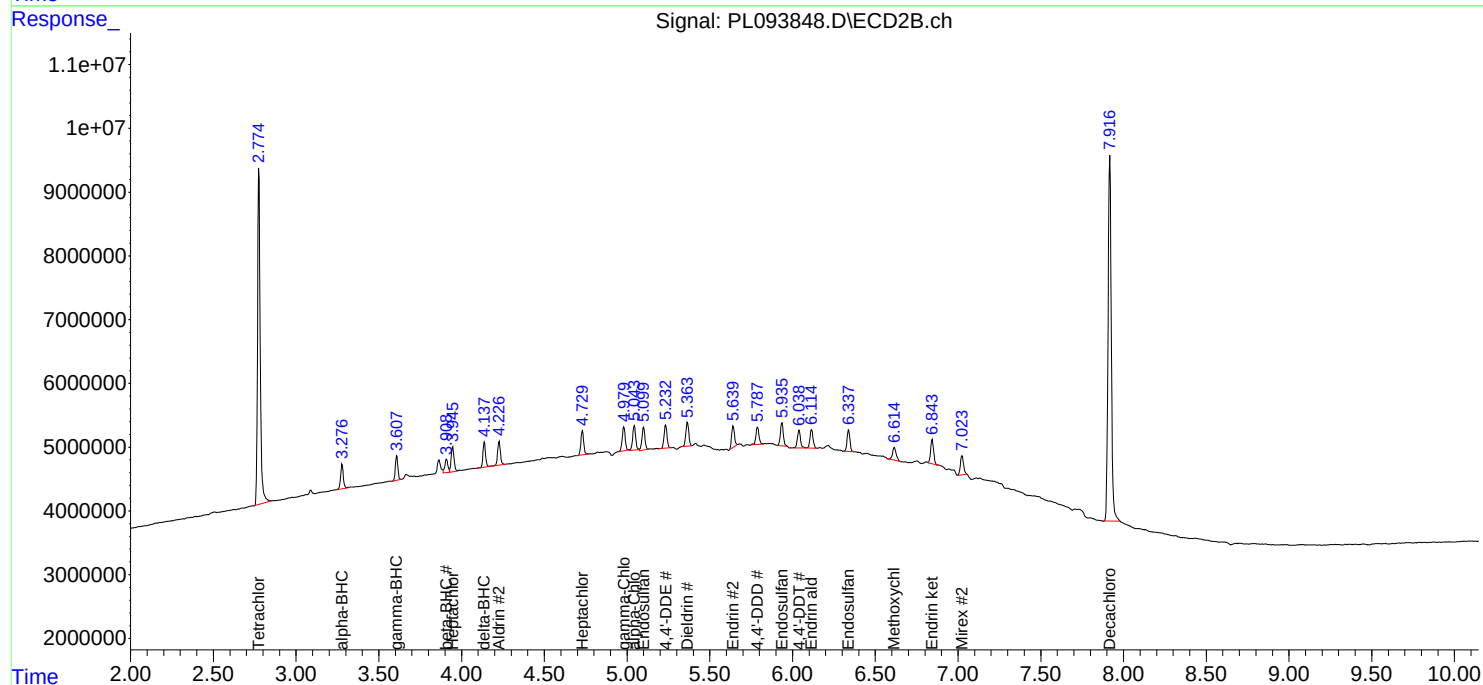
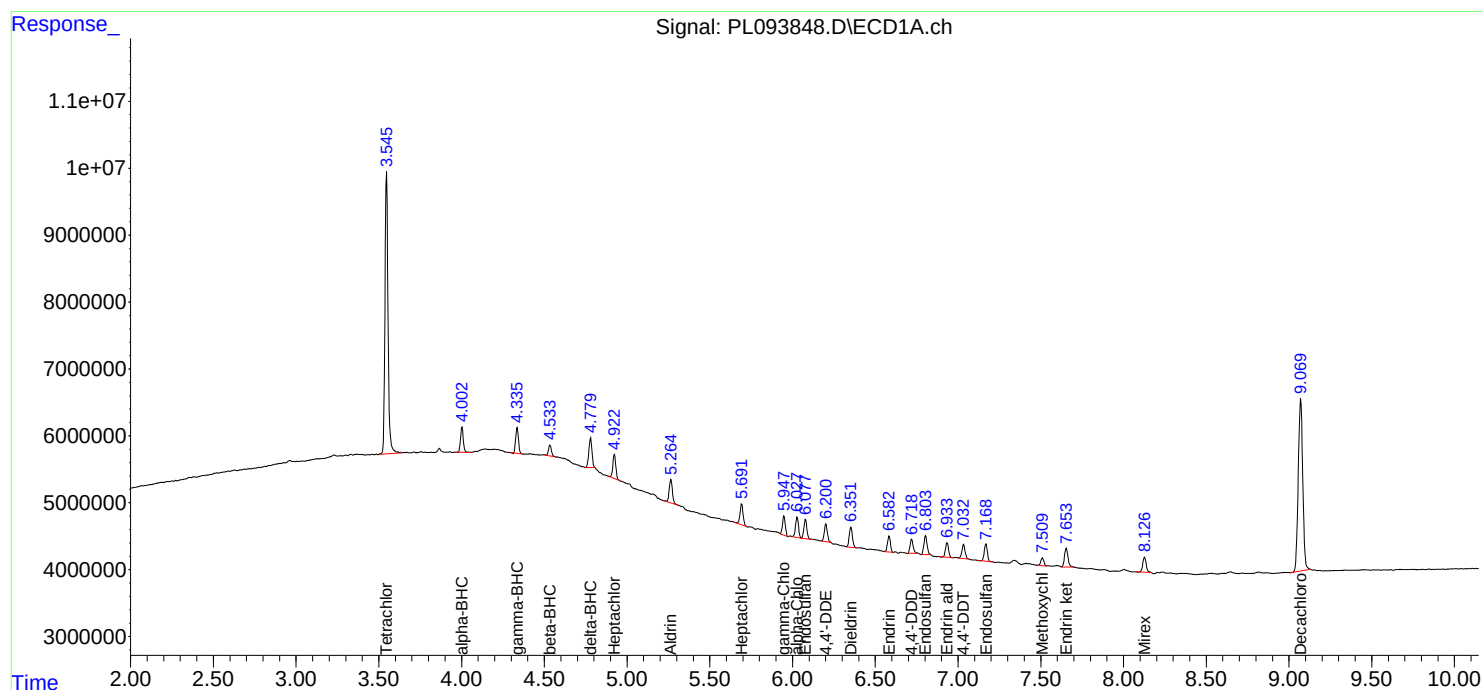
Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

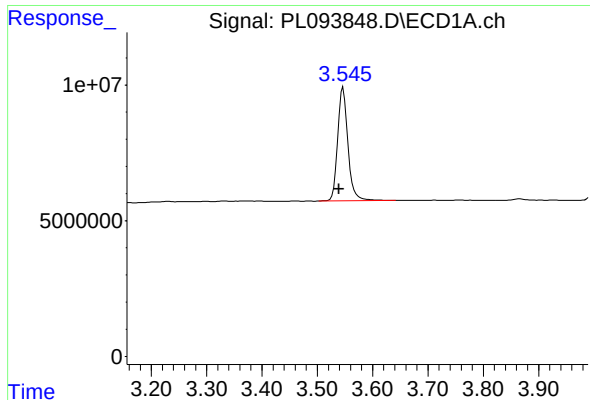
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 01/30/2025
Supervised By : Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:24:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 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





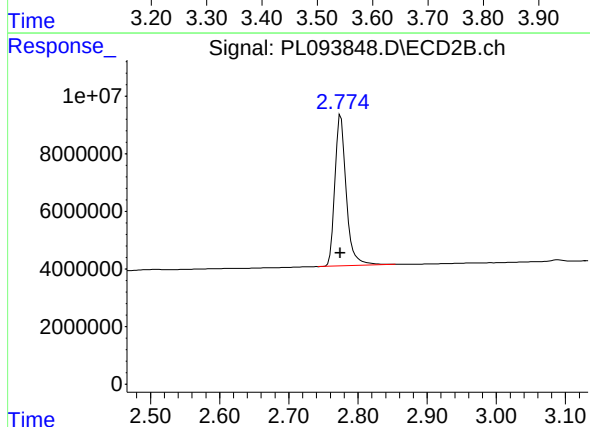
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.008 min
Response: 54041348
Conc: 20.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

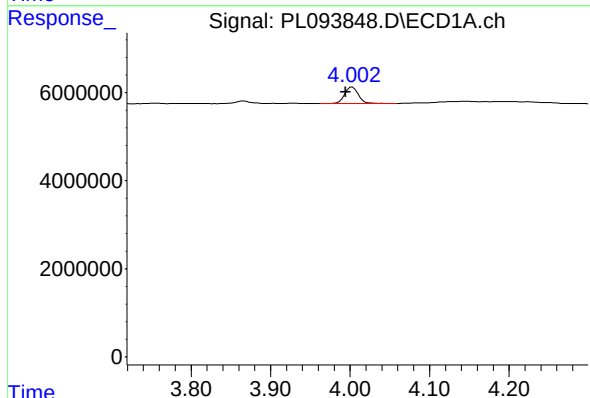
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



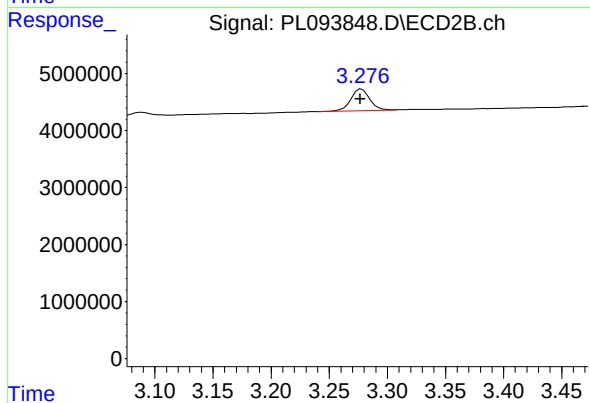
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 59647623
Conc: 18.27 ng/ml



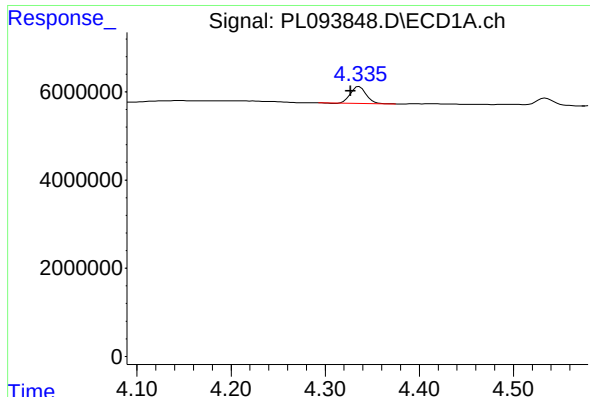
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.008 min
Response: 4509373
Conc: 1.18 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 4343774
Conc: 0.89 ng/ml



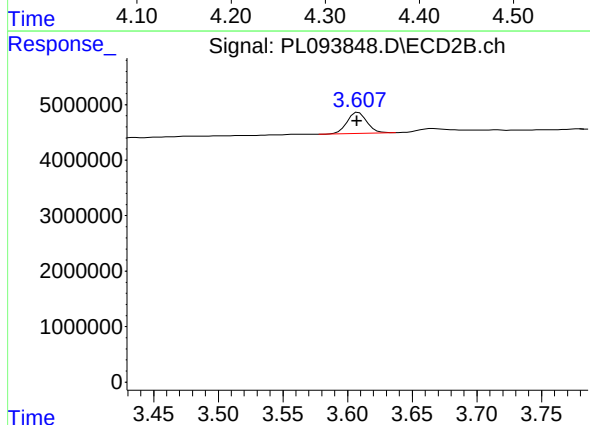
#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.009 min
Response: 4353827
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

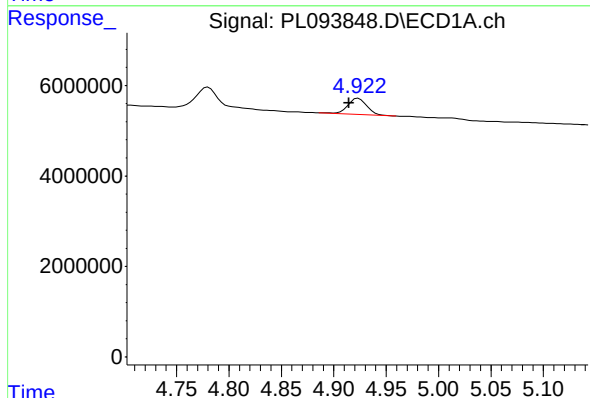
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



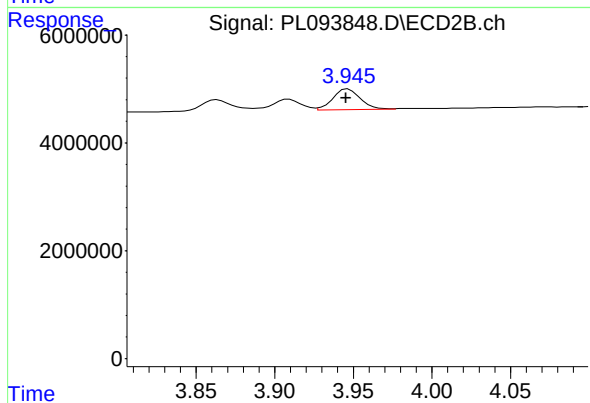
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.002 min
Response: 4028771
Conc: 0.85 ng/ml



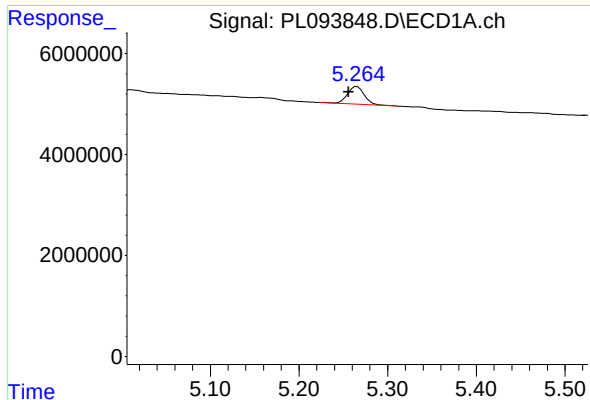
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.009 min
Response: 4425376
Conc: 1.35 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.001 min
Response: 4677868
Conc: 1.00 ng/ml



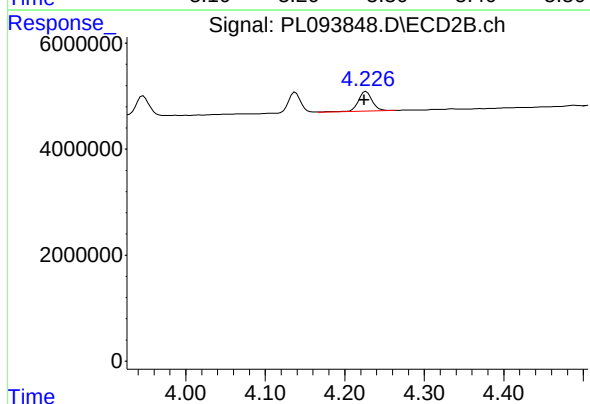
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: 0.010 min
Response: 4564762
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

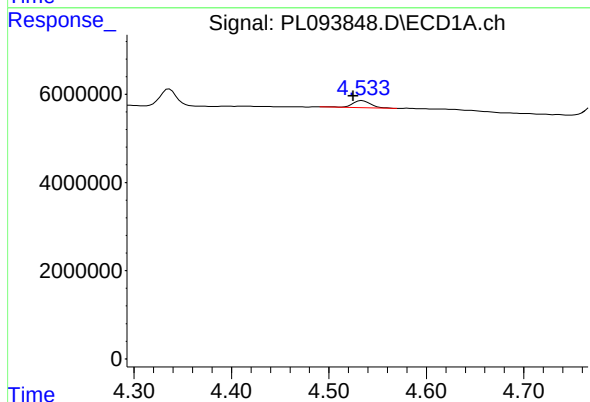
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



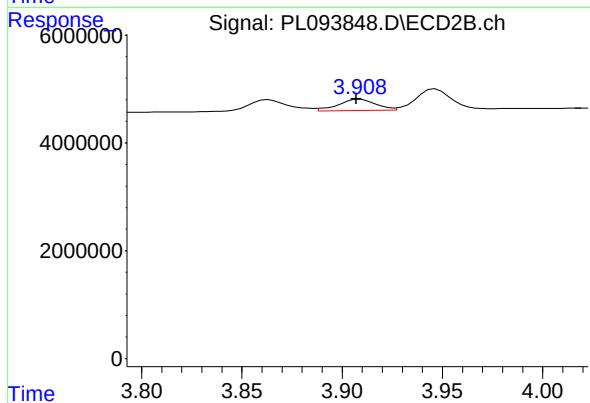
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 4499386
Conc: 0.99 ng/ml



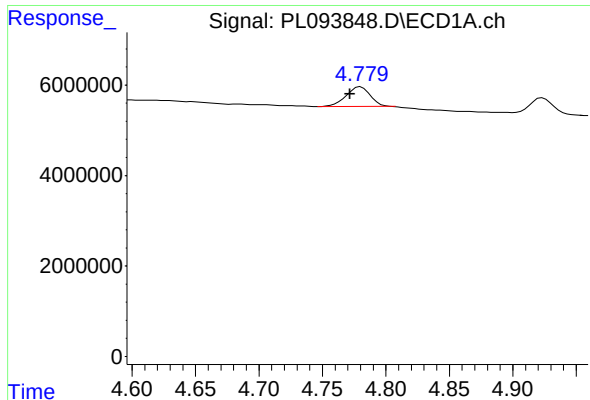
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.009 min
Response: 1942842
Conc: 1.21 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 2711948
Conc: 1.36 ng/ml



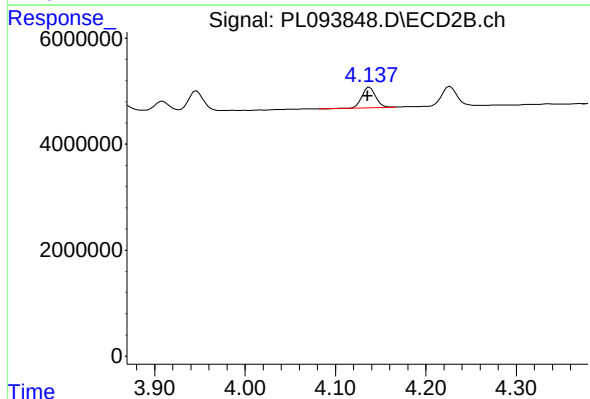
#7 delta-BHC

R.T.: 4.779 min
Delta R.T.: 0.007 min
Response: 5730255
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

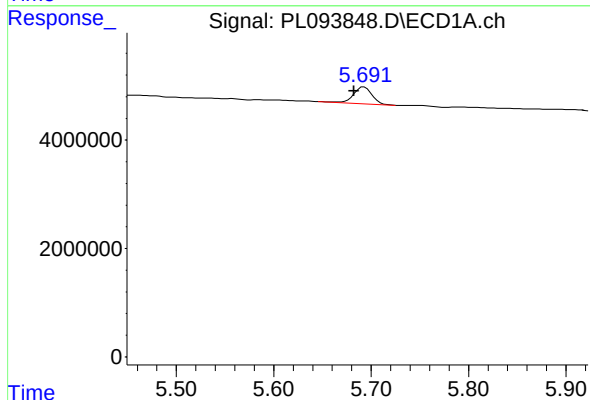
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



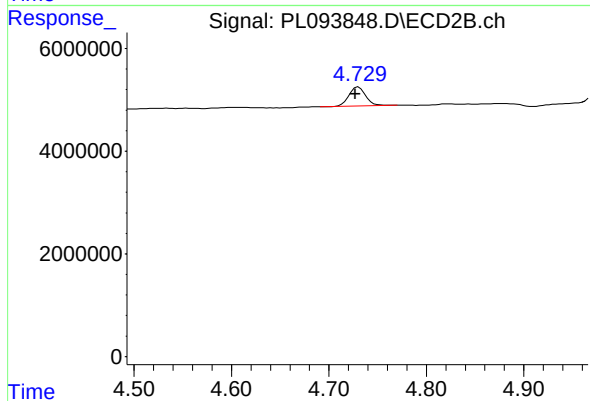
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.002 min
Response: 4147473
Conc: 0.87 ng/ml



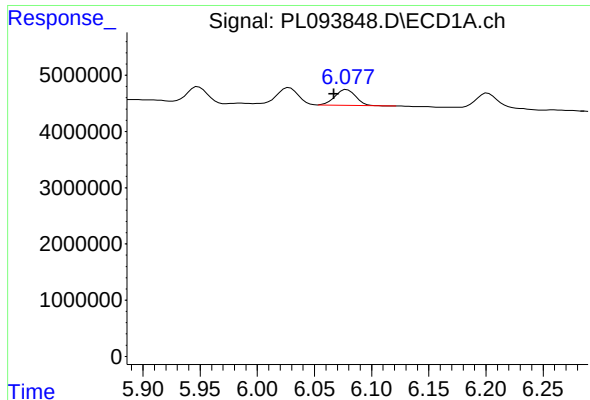
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.010 min
Response: 4058016
Conc: 1.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min
Delta R.T.: 0.003 min
Response: 4481800
Conc: 1.07 ng/ml



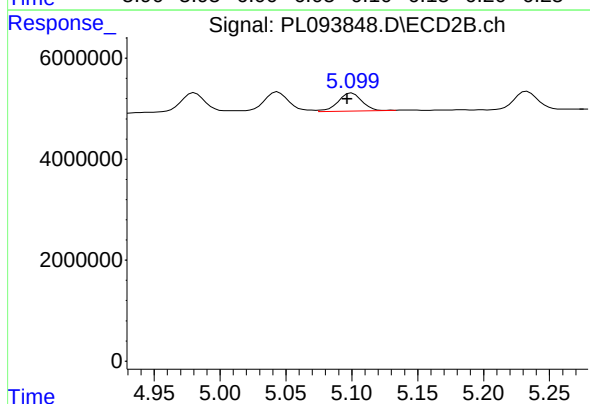
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.011 min
Response: 3480992
Conc: 1.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

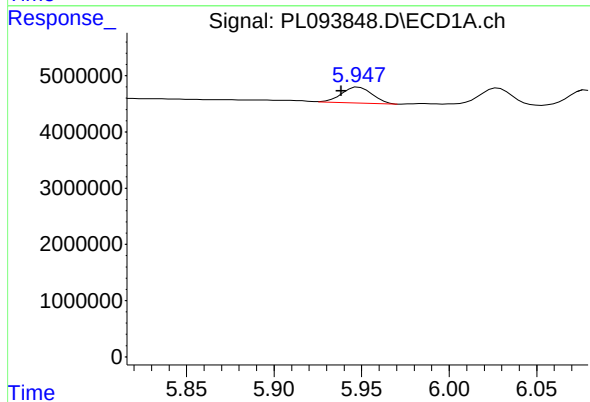
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



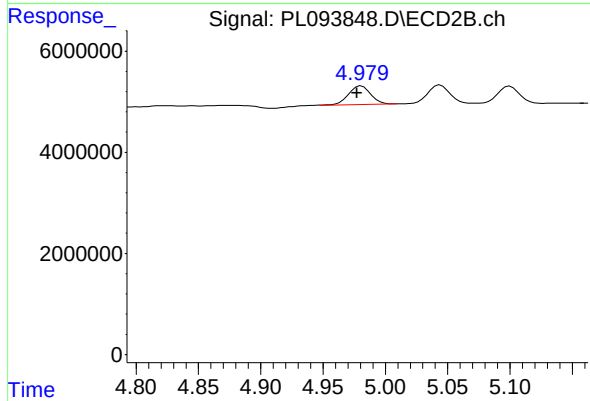
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.004 min
Response: 4446197
Conc: 1.15 ng/ml



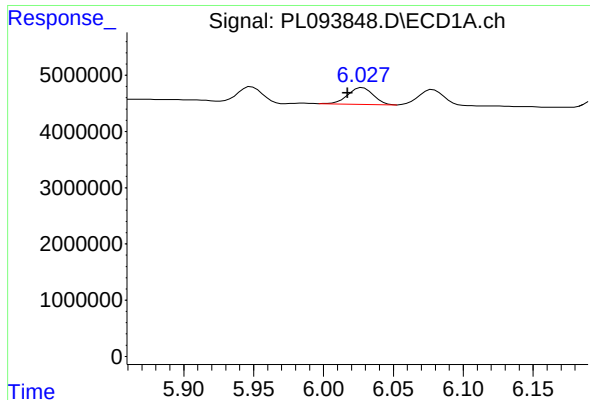
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.009 min
Response: 3425267
Conc: 1.23 ng/ml m



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 4574168
Conc: 1.08 ng/ml m



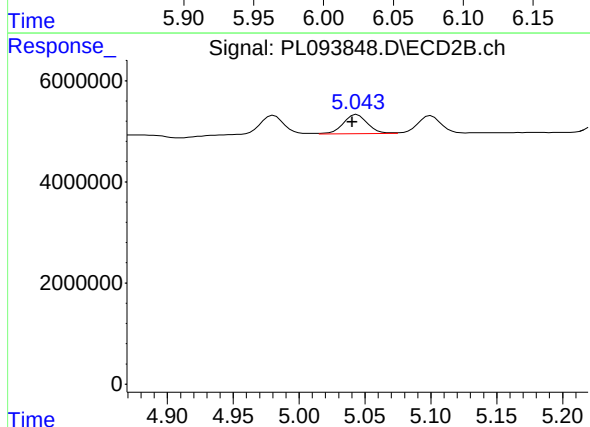
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.009 min
Response: 3844565
Conc: 1.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

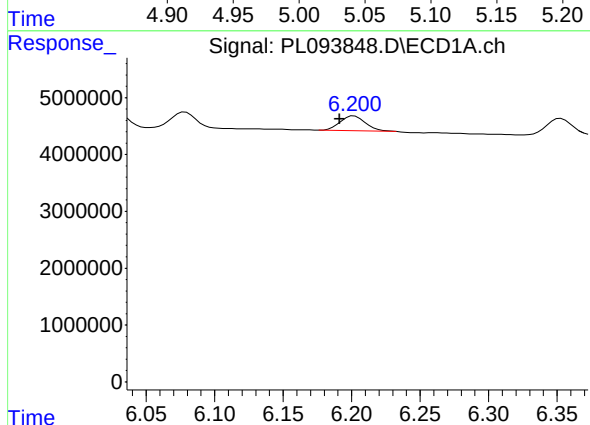
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



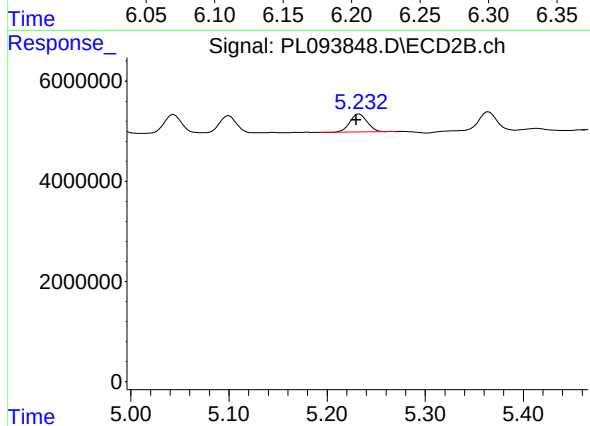
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 4851481
Conc: 1.16 ng/ml m



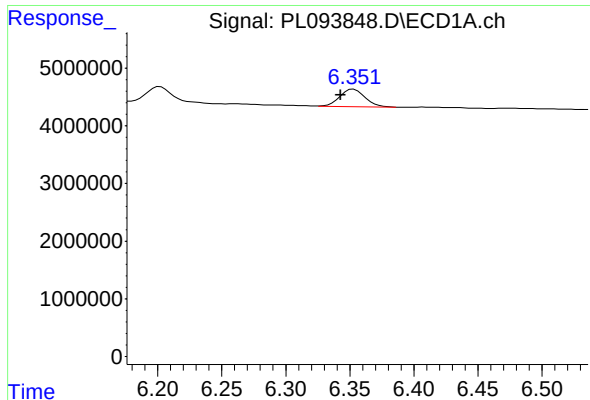
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.009 min
Response: 3412896
Conc: 1.40 ng/ml m



#12 4,4'-DDE

R.T.: 5.233 min
Delta R.T.: 0.004 min
Response: 4455465
Conc: 1.11 ng/ml



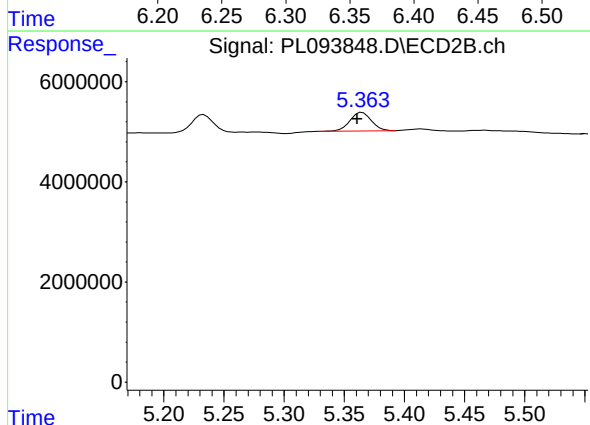
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.009 min
Response: 4085485
Conc: 1.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

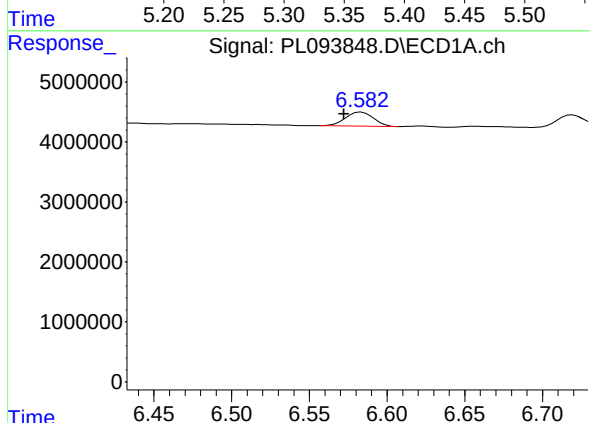
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



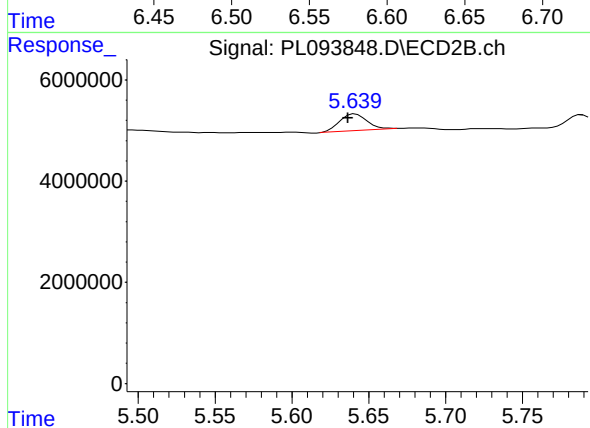
#13 Dieldrin

R.T.: 5.365 min
Delta R.T.: 0.004 min
Response: 4598306
Conc: 1.07 ng/ml



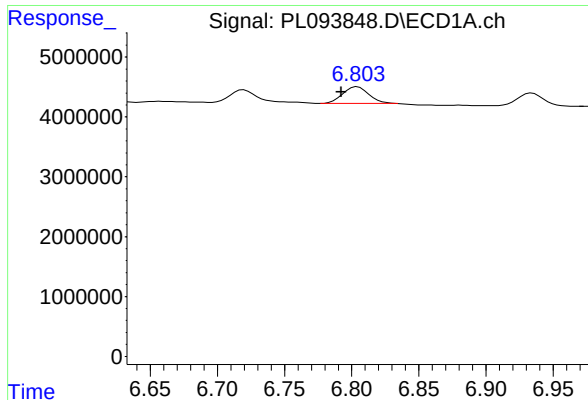
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.010 min
Response: 2917421
Conc: 1.24 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 4090455
Conc: 1.11 ng/ml m



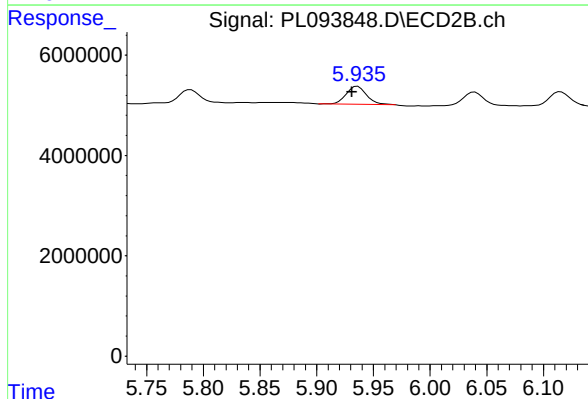
#15 Endosulfan II

R.T.: 6.803 min
Delta R.T.: 0.011 min
Response: 3823098
Conc: 1.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

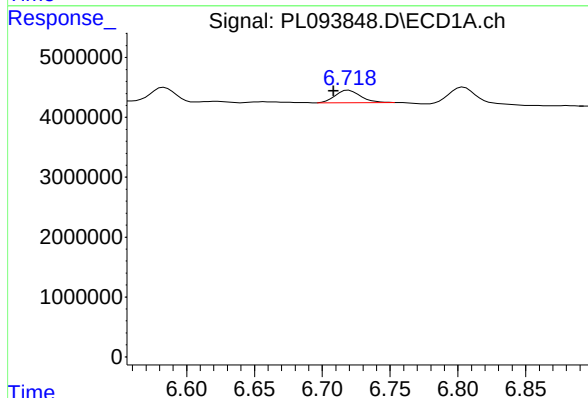
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



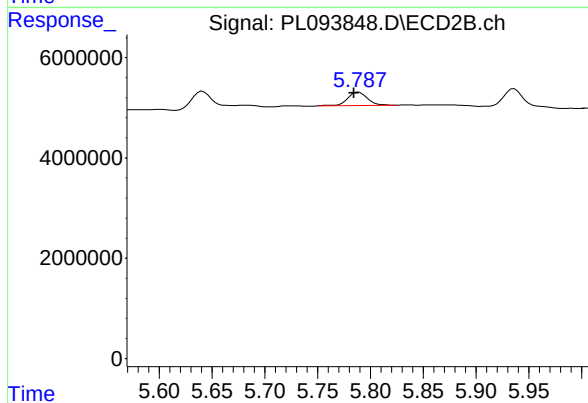
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: 0.005 min
Response: 4498322
Conc: 1.21 ng/ml



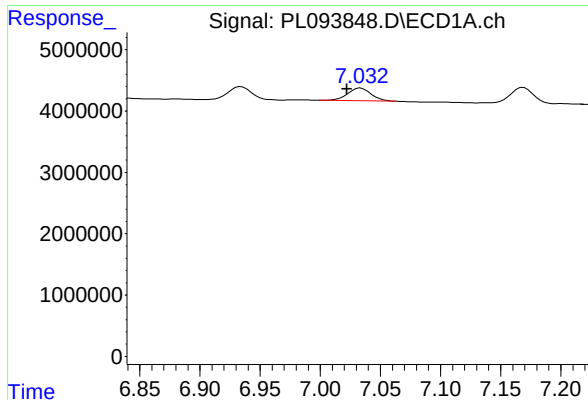
#16 4,4'-DDD

R.T.: 6.718 min
Delta R.T.: 0.010 min
Response: 2740906
Conc: 1.44 ng/ml m



#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.005 min
Response: 3478848
Conc: 1.10 ng/ml



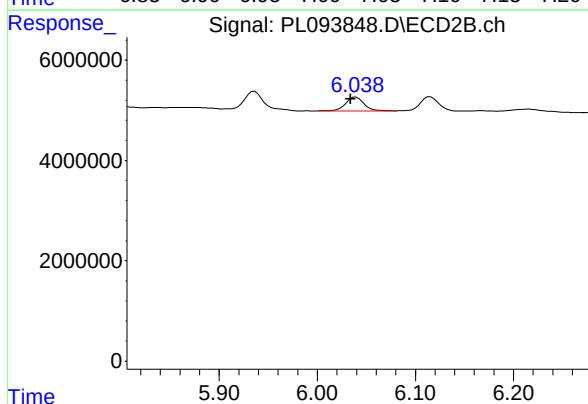
#17 4,4'-DDT

R.T.: 7.032 min
Delta R.T.: 0.010 min
Response: 2816645
Conc: 1.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

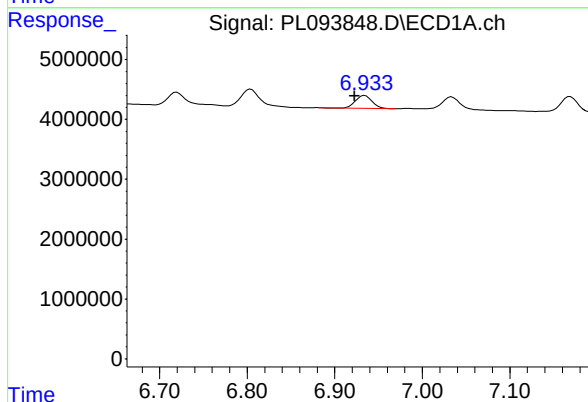
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



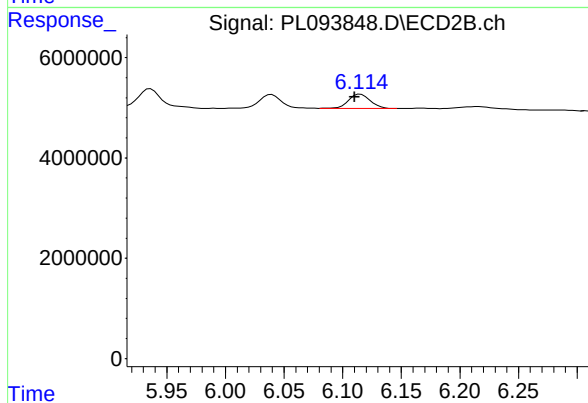
#17 4,4'-DDT

R.T.: 6.039 min
Delta R.T.: 0.005 min
Response: 3664120
Conc: 1.13 ng/ml



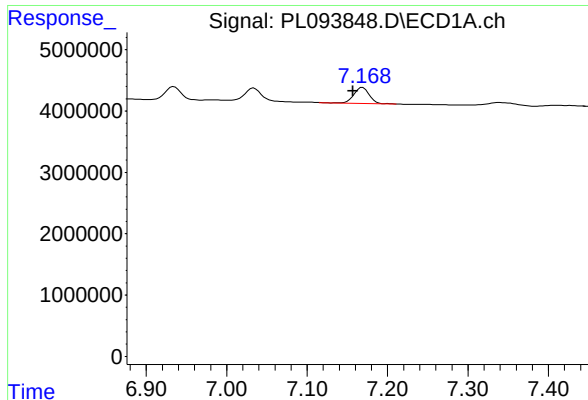
#18 Endrin aldehyde

R.T.: 6.934 min
Delta R.T.: 0.012 min
Response: 2854245
Conc: 1.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.115 min
Delta R.T.: 0.005 min
Response: 3774636
Conc: 1.24 ng/ml



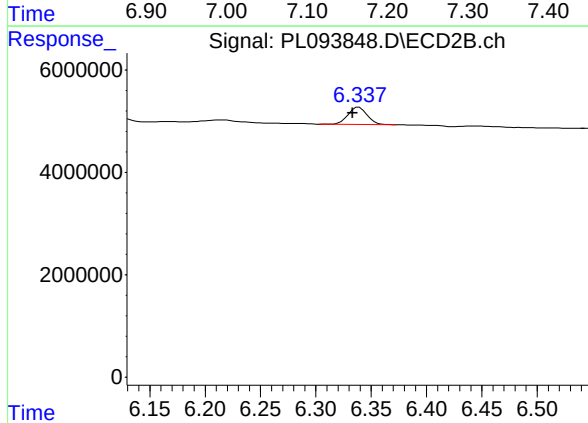
#19 Endosulfan Sulfate

R.T.: 7.169 min
Delta R.T.: 0.012 min
Response: 3421440
Conc: 1.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

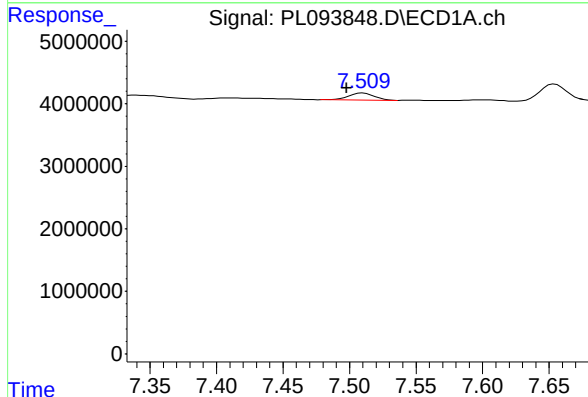
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



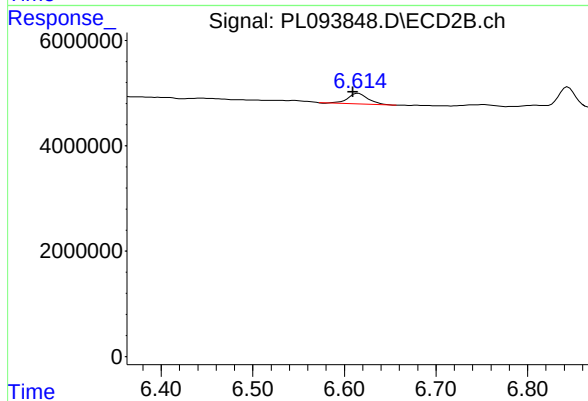
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: 0.006 min
Response: 4125851
Conc: 1.16 ng/ml



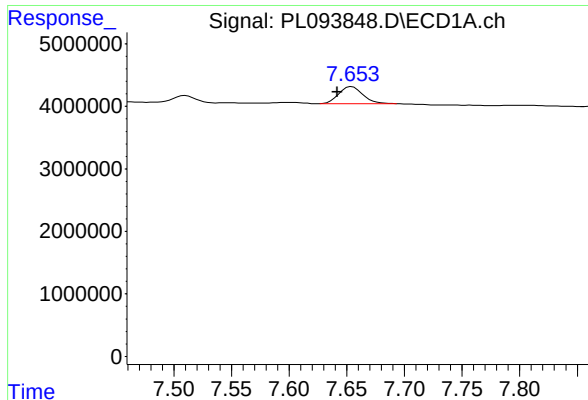
#20 Methoxychlor

R.T.: 7.509 min
Delta R.T.: 0.011 min
Response: 1546236
Conc: 1.48 ng/ml m



#20 Methoxychlor

R.T.: 6.615 min
Delta R.T.: 0.006 min
Response: 3072276
Conc: 1.72 ng/ml



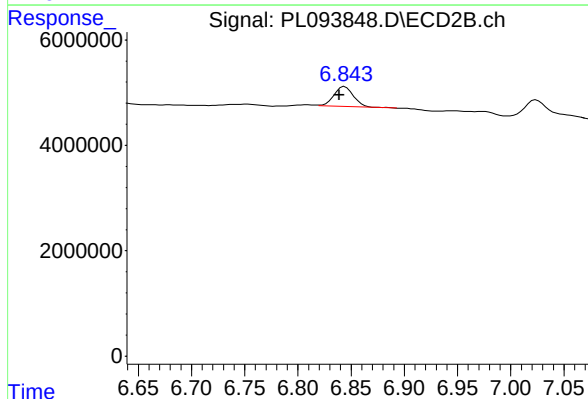
#21 Endrin ketone

R.T.: 7.653 min
Delta R.T.: 0.011 min
Response: 4018030
Conc: 1.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

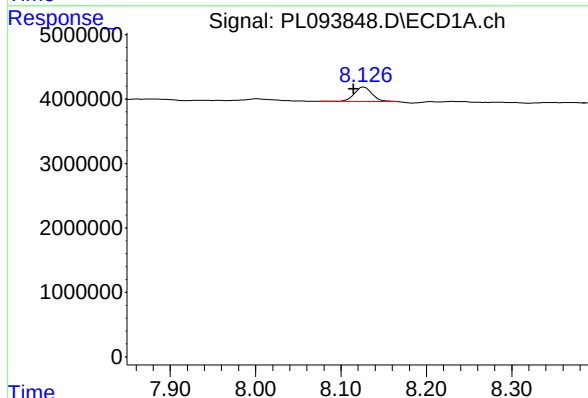
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



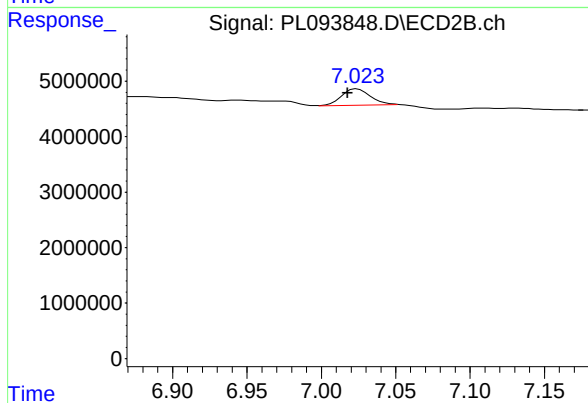
#21 Endrin ketone

R.T.: 6.844 min
Delta R.T.: 0.005 min
Response: 4826274
Conc: 1.15 ng/ml



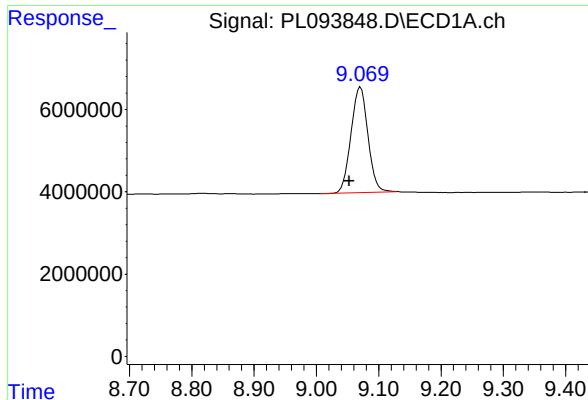
#22 Mirex

R.T.: 8.127 min
Delta R.T.: 0.013 min
Response: 3251344
Conc: 1.56 ng/ml



#22 Mirex

R.T.: 7.023 min
Delta R.T.: 0.005 min
Response: 3980911
Conc: 1.18 ng/ml m



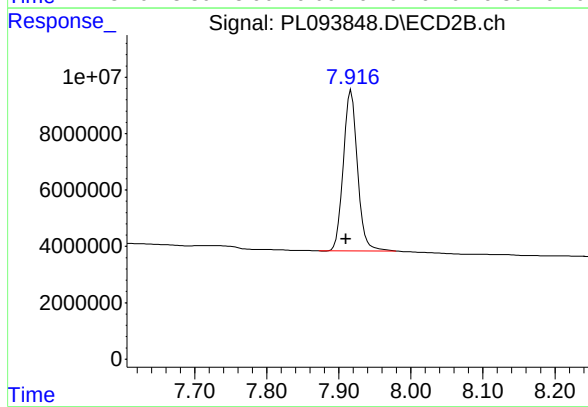
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.018 min
Response: 48622762
Conc: 23.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT1-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/31/2025



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.007 min
Response: 77802117
Conc: 22.20 ng/ml