

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097458.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 18:59
 Operator : AR\AJ
 Sample : Q3231-05MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-2MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:25:02 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...	3.525	2.824	55616607	81907815	12.285m	12.456
28)	SA Decachlor...	8.998	7.982	33372240	51373251	10.199	9.026
Target Compounds							
2)	A alpha-BHC	3.974	3.329	249.6E6	354.4E6	35.714	35.586
3)	MA gamma-BHC...	4.301	3.660	229.4E6	326.0E6	34.694	34.995
4)	MA Heptachlor	4.892	4.007	224.1E6	312.4E6	33.593	33.568
5)	MB Aldrin	5.230	4.289	219.4E6	294.5E6	34.636	33.936
6)	B beta-BHC	4.489	3.956	92747305	139.2E6	34.021	34.265
7)	B delta-BHC	4.733	4.188	222.8E6	314.2E6	36.716m	34.176
8)	B Heptachlo...	5.650	4.791	198.5E6	269.6E6	34.543	33.986
9)	A Endosulfan I	6.032	5.163	185.5E6	258.2E6	35.802	33.607
10)	B gamma-Chl...	5.904	5.043	195.4E6	284.7E6	34.565	32.599
11)	B alpha-Chl...	5.984	5.107	191.5E6	272.6E6	33.712	32.841
12)	B 4,4'-DDE	6.155	5.296	155.2E6	246.7E6	32.571	32.107
13)	MA Dieldrin	6.304	5.427	184.4E6	280.8E6	33.637	34.343
14)	MA Endrin	6.530	5.701	158.6E6	241.4E6	34.376	32.138
15)	B Endosulfa...	6.744	5.993	158.4E6	226.3E6	32.212	31.832
16)	A 4,4'-DDD	6.664	5.848	142.5E6	199.7E6	37.792	30.966
17)	MA 4,4'-DDT	6.977	6.100	138.2E6	185.2E6	32.695	26.762
18)	B Endrin al...	6.873	6.171	120.2E6	157.5E6	38.986	29.510
19)	B Endosulfa...	7.106	6.394	144.5E6	201.2E6	35.389	29.379
20)	A Methoxychlor	7.450	6.673	67255319	102.5E6	32.251	27.184
21)	B Endrin ke...	7.584	6.899	149.6E6	214.2E6	35.252	28.440
22)	Mirex	8.063	7.088	112.6E6	163.3E6	31.708	27.309

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
Data File : PL097458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 18:59
Operator : AR\AJ
Sample : Q3231-05MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

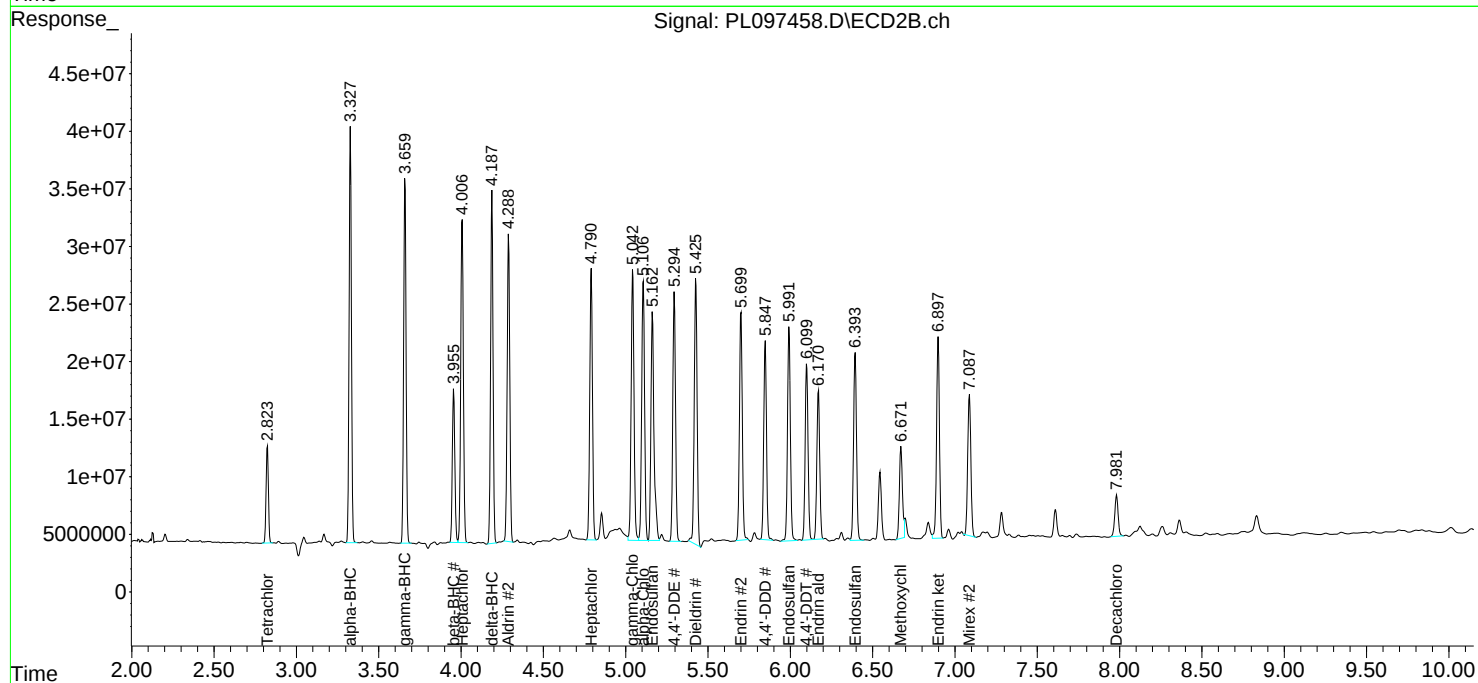
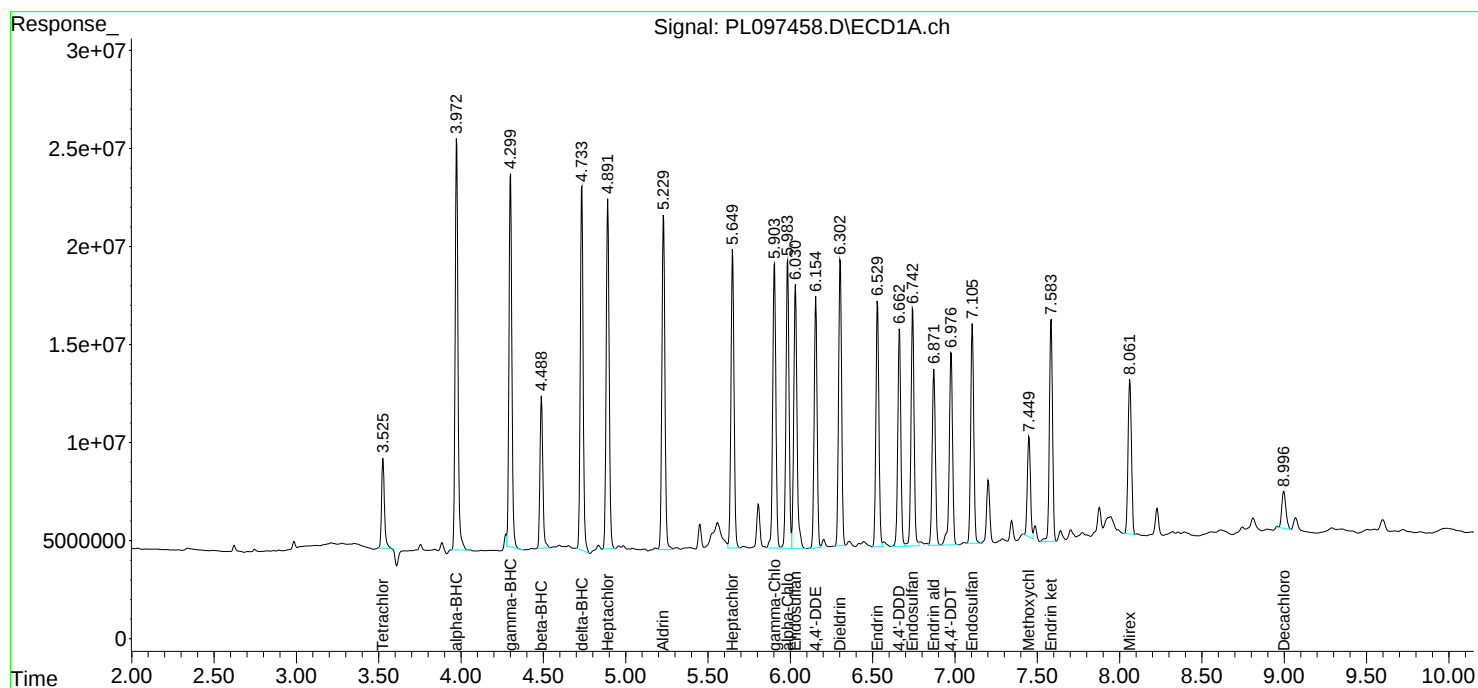
Instrument :
ECD_L
ClientSampleId :
WC-2MSD

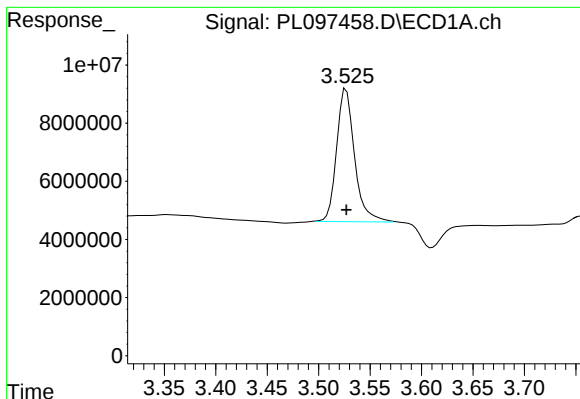
Manual Integrations
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Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:25:02 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





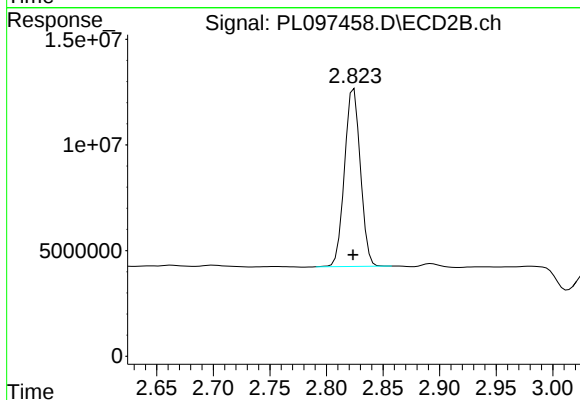
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 55616607
Conc: 12.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

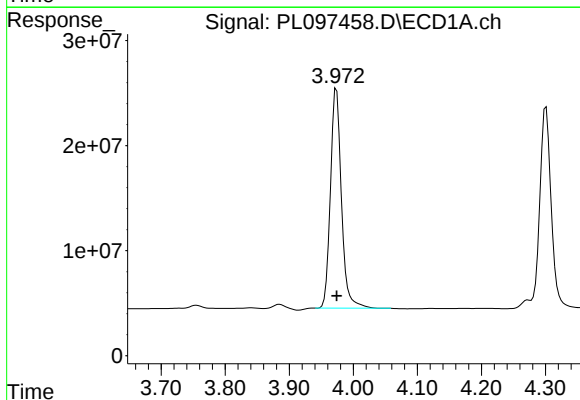
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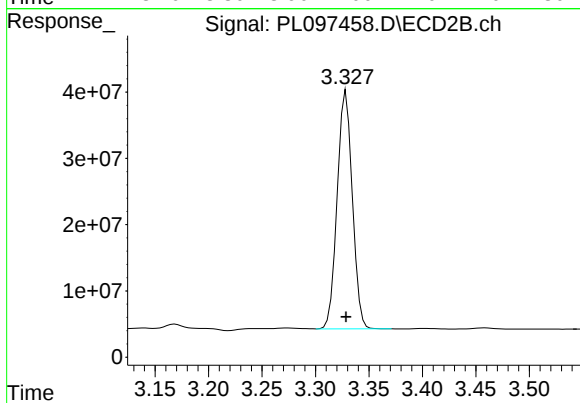
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 81907815
Conc: 12.46 ng/ml



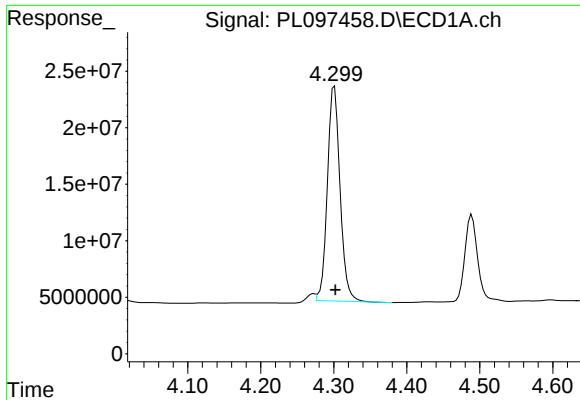
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 249550201
Conc: 35.71 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 354350851
Conc: 35.59 ng/ml



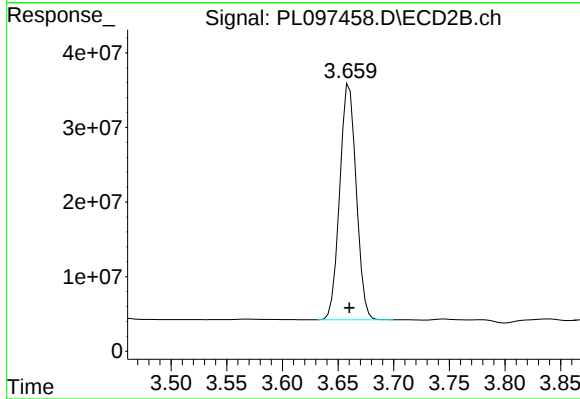
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 229433703
Conc: 34.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

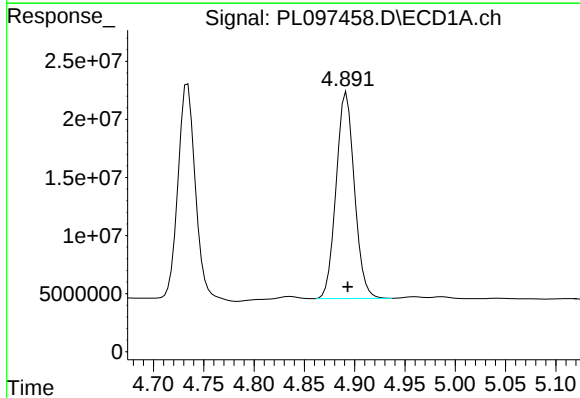
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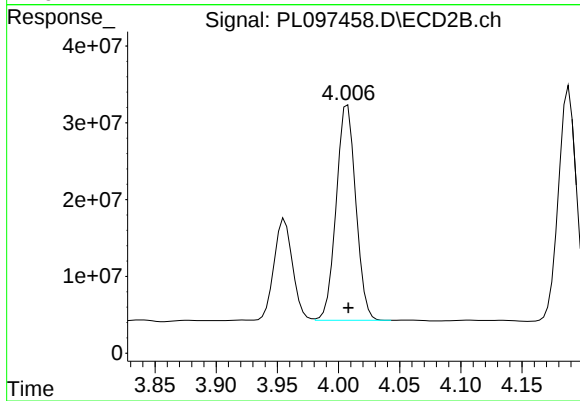
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 325968759
Conc: 35.00 ng/ml



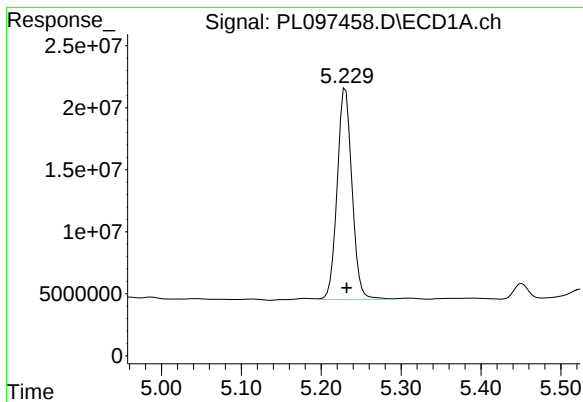
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.001 min
Response: 224069809
Conc: 33.59 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 312350393
Conc: 33.57 ng/ml



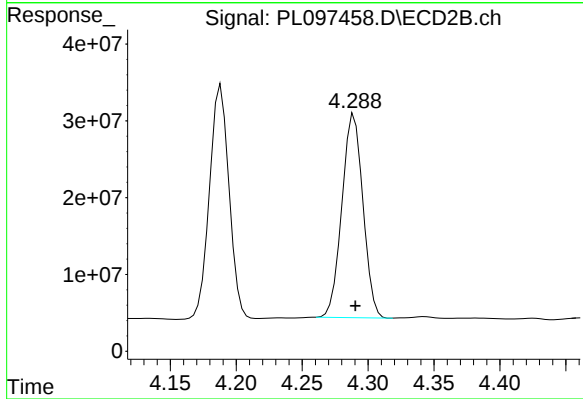
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.002 min
Response: 219379360
Conc: 34.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

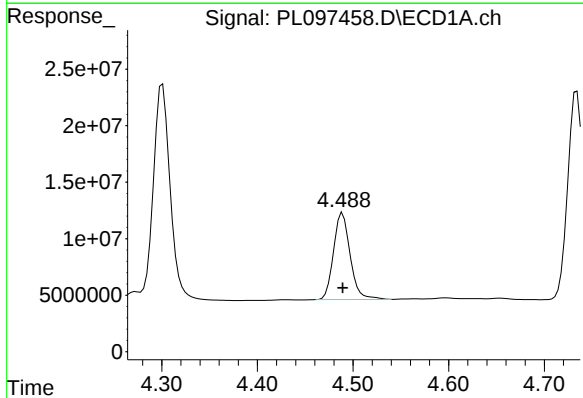
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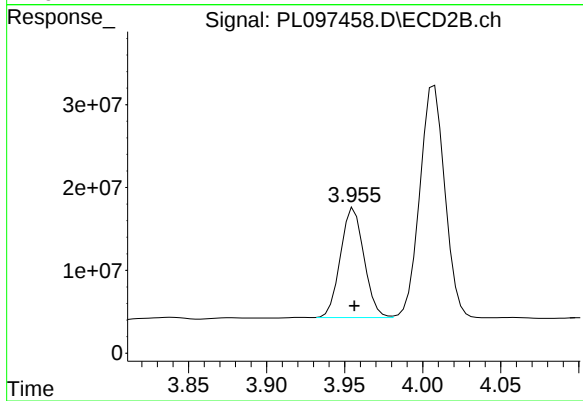
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: 0.000 min
Response: 294541118
Conc: 33.94 ng/ml



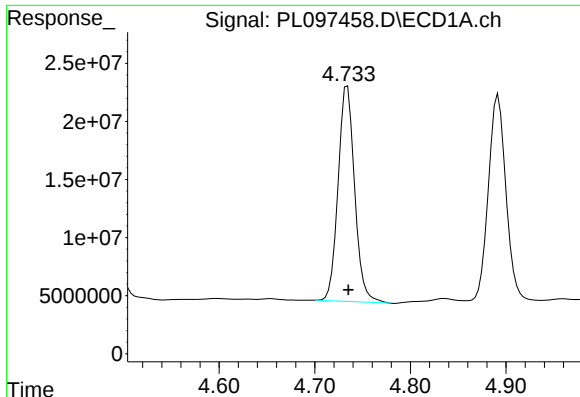
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 92747305
Conc: 34.02 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 139187462
Conc: 34.27 ng/ml



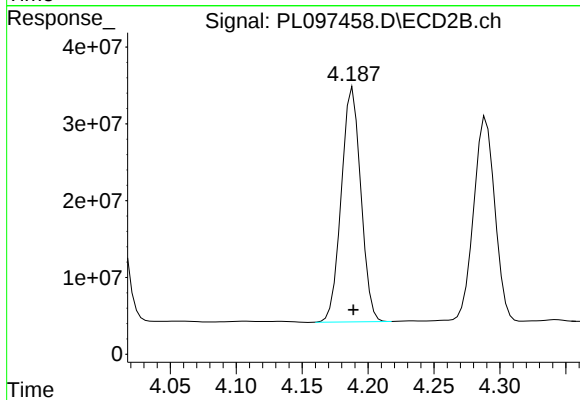
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.003 min
Response: 222805545
Conc: 36.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

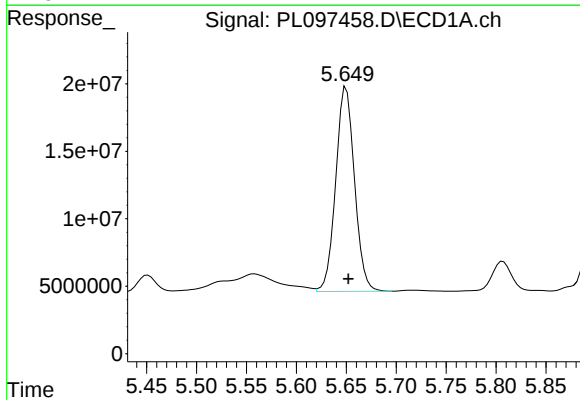
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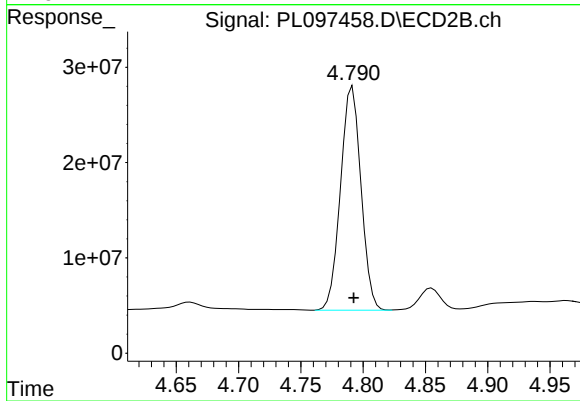
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: 0.000 min
Response: 314156805
Conc: 34.18 ng/ml



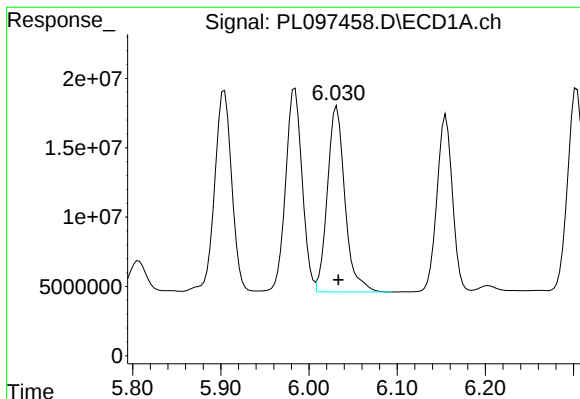
#8 Heptachlor epoxide

R.T.: 5.650 min
Delta R.T.: -0.002 min
Response: 198514626
Conc: 34.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 269557597
Conc: 33.99 ng/ml



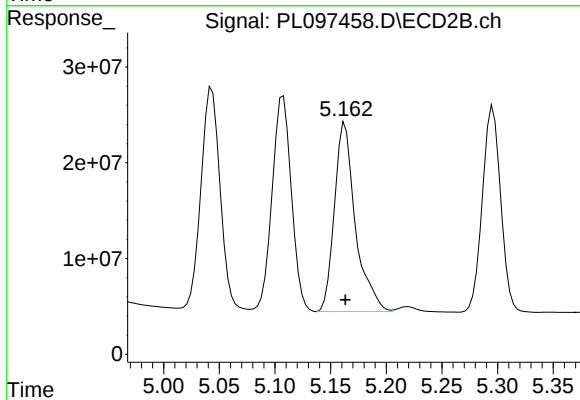
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 185502732
Conc: 35.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

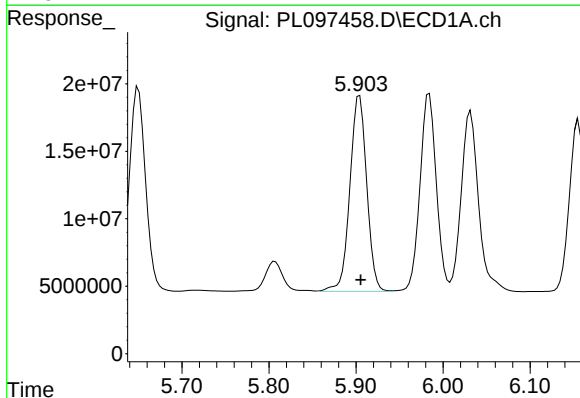
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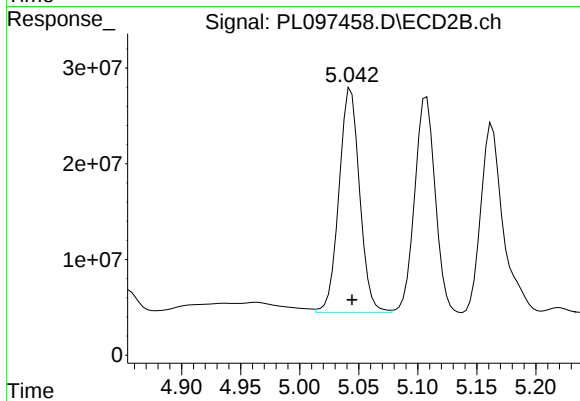
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 258222831
Conc: 33.61 ng/ml



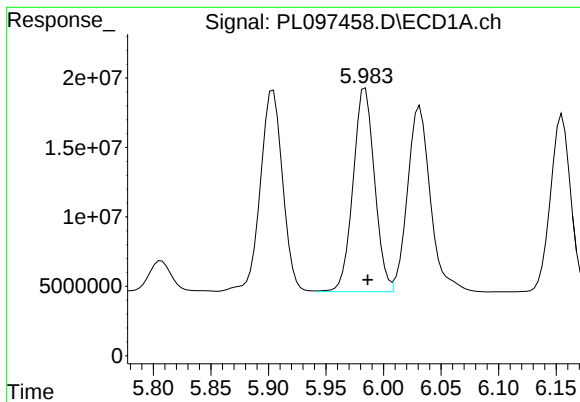
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: -0.001 min
Response: 195415621
Conc: 34.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 284716612
Conc: 32.60 ng/ml



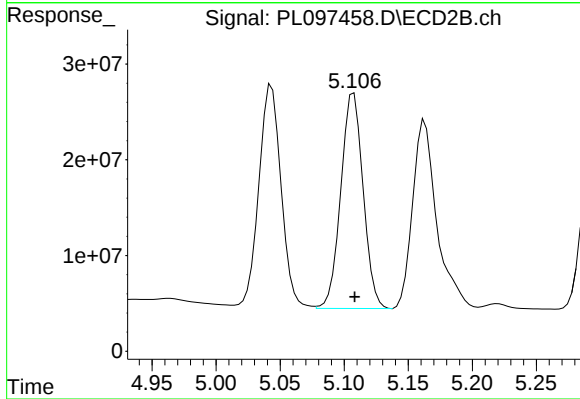
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.002 min
Response: 191479778
Conc: 33.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

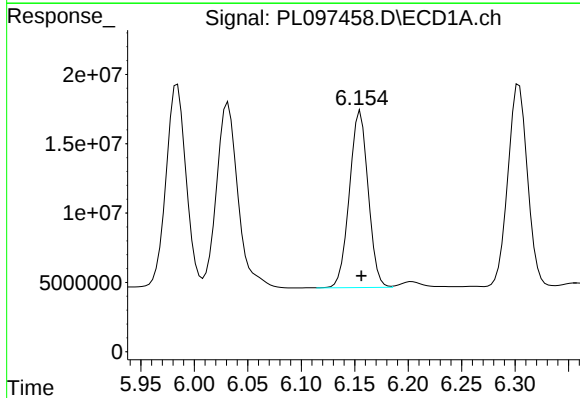
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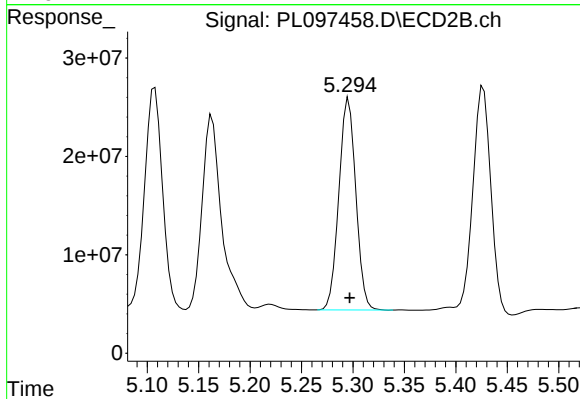
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: 0.000 min
Response: 272595090
Conc: 32.84 ng/ml



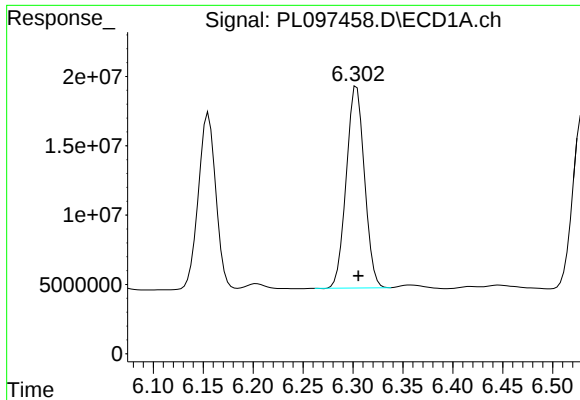
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 155190494
Conc: 32.57 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 246731646
Conc: 32.11 ng/ml



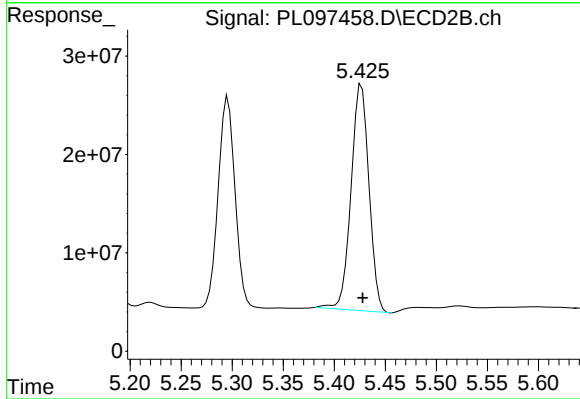
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.002 min
Response: 184403219
Conc: 33.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

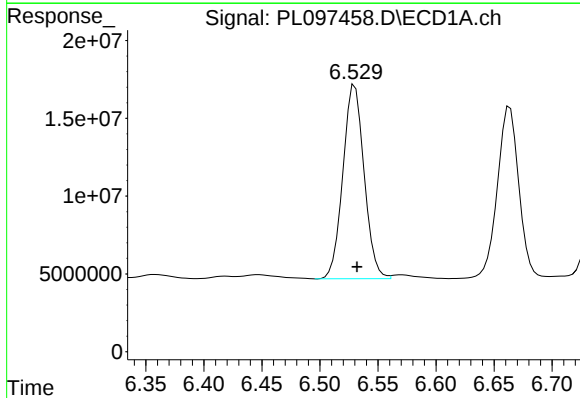
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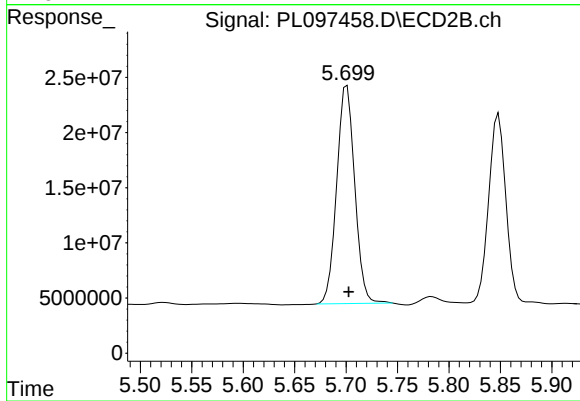
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.001 min
Response: 280818407
Conc: 34.34 ng/ml



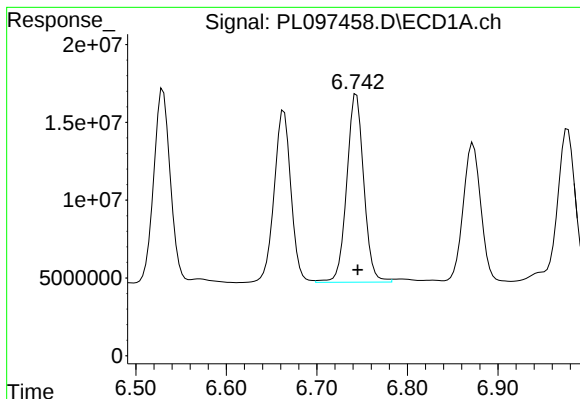
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 158580367
Conc: 34.38 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 241369164
Conc: 32.14 ng/ml



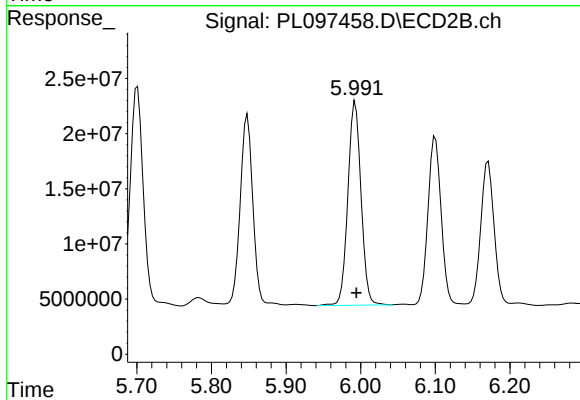
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 158428846
Conc: 32.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

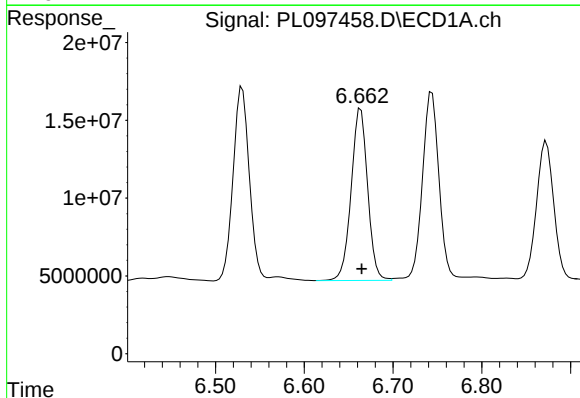
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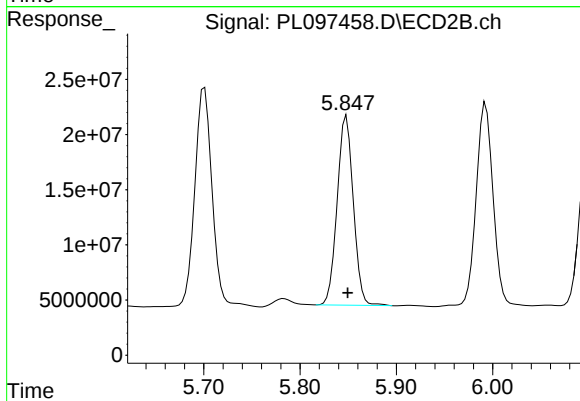
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.002 min
Response: 226299934
Conc: 31.83 ng/ml



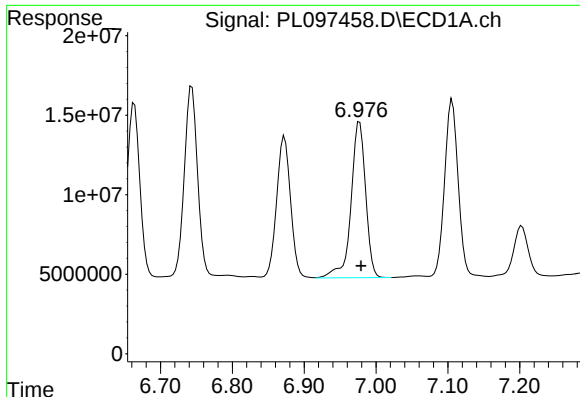
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: -0.001 min
Response: 142495404
Conc: 37.79 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.001 min
Response: 199701411
Conc: 30.97 ng/ml



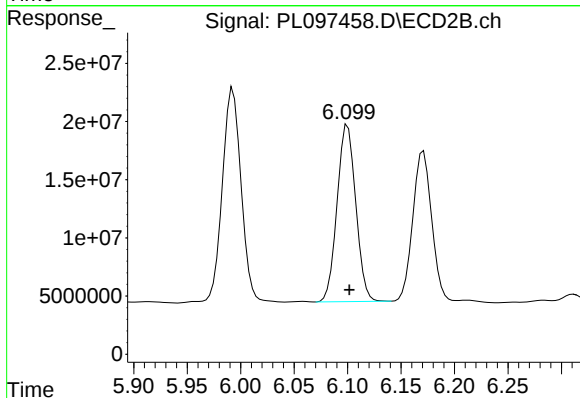
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 138209219
Conc: 32.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

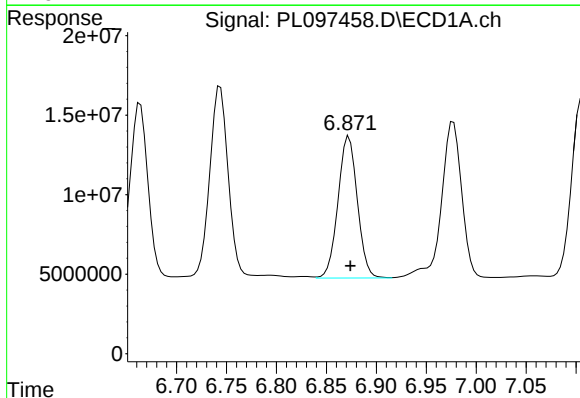
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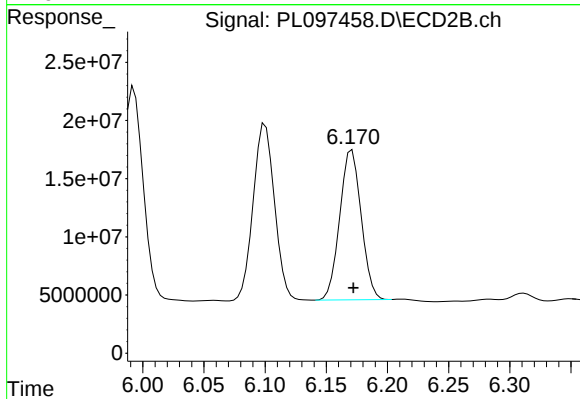
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 185207888
Conc: 26.76 ng/ml



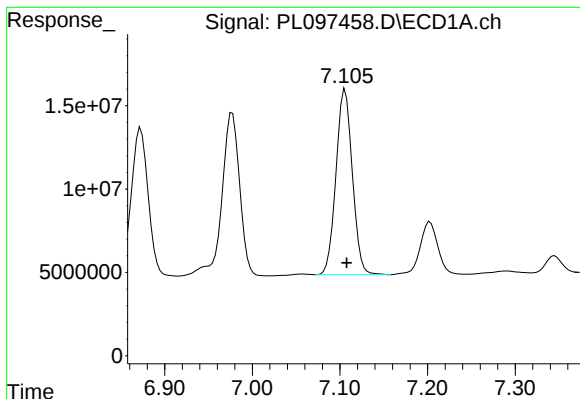
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.002 min
Response: 120187840
Conc: 38.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 157504692
Conc: 29.51 ng/ml



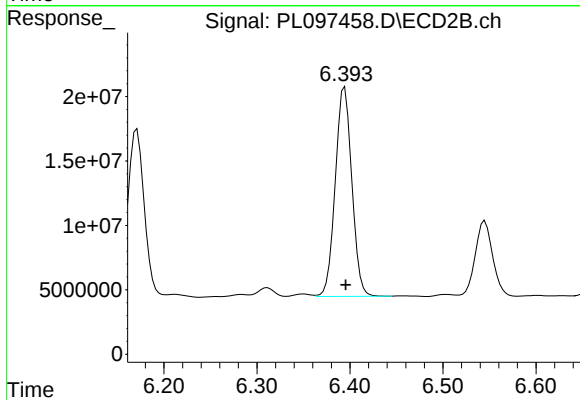
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 144483906
Conc: 35.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

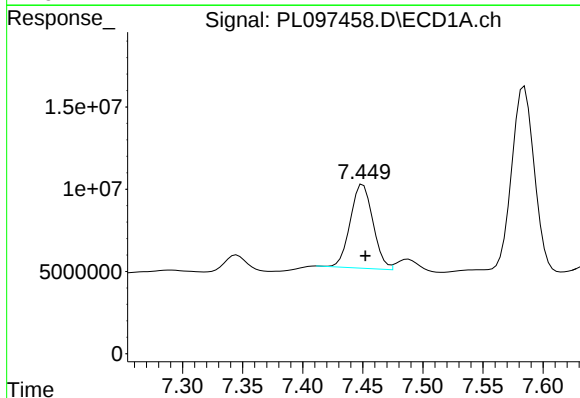
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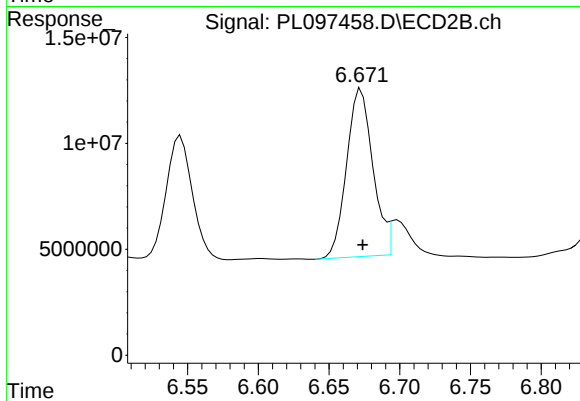
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.001 min
Response: 201236585
Conc: 29.38 ng/ml



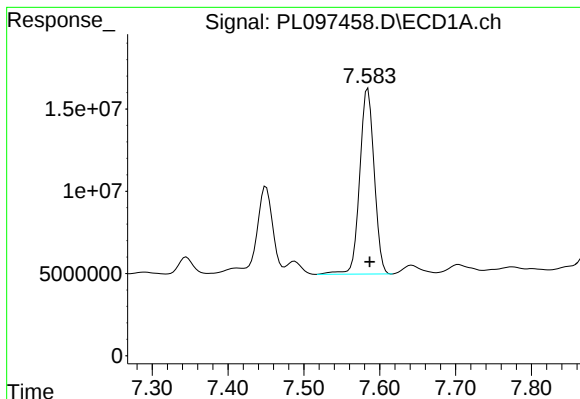
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.002 min
Response: 67255319
Conc: 32.25 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.001 min
Response: 102467864
Conc: 27.18 ng/ml



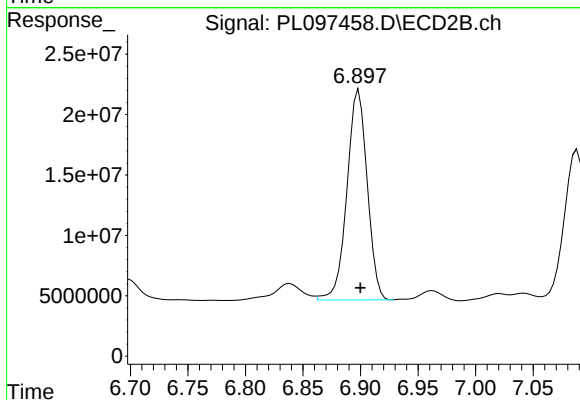
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: -0.002 min
Response: 149623807
Conc: 35.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

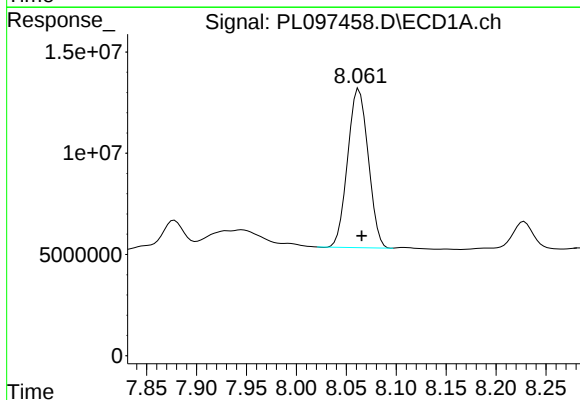
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :mohammad ahmed 10/03/2025



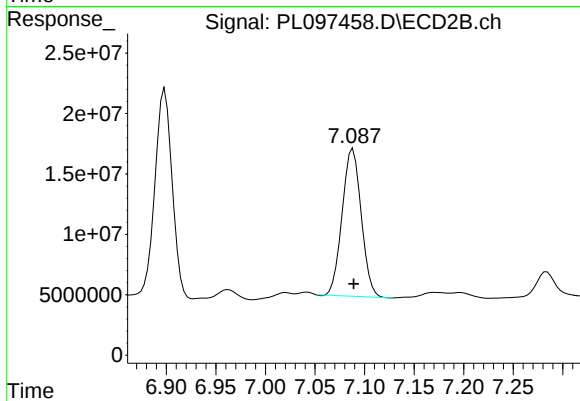
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.001 min
Response: 214161467
Conc: 28.44 ng/ml



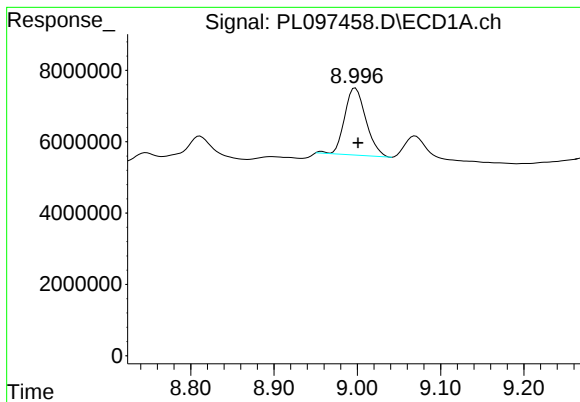
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 112574559
Conc: 31.71 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.001 min
Response: 163272764
Conc: 27.31 ng/ml



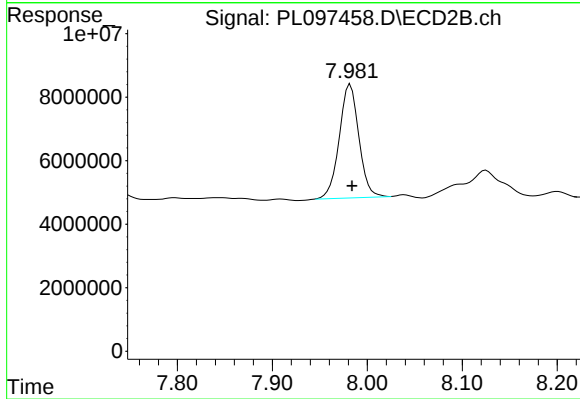
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.003 min
Response: 33372240
Conc: 10.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-2MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :mohammad ahmed 10/03/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 51373251
Conc: 9.03 ng/ml