

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100325\
 Data File : PL097512.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Oct 2025 03:59
 Operator : AR\AJ
 Sample : PB169968BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169968BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/06/2025
 Supervised By :mohammad ahmed 10/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 01:21:21 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	2.823	94738253	138.1E6	20.927	20.999
28)	SA Decachlor...	8.995	7.980	79095261	129.2E6	24.172	22.708
Target Compounds							
2)	A alpha-BHC	3.972	3.328	354.3E6	513.3E6	50.706	51.549
3)	MA gamma-BHC...	4.300	3.660	330.8E6	473.2E6	50.016	50.803
4)	MA Heptachlor	4.891	4.007	313.0E6	443.5E6	46.933	47.660
5)	MB Aldrin	5.229	4.289	314.2E6	440.8E6	49.610	50.791
6)	B beta-BHC	4.487	3.956	136.0E6	194.2E6	49.900	47.818
7)	B delta-BHC	4.731	4.188	320.5E6	464.2E6	52.822m	50.500
8)	B Heptachlo...	5.647	4.790	291.4E6	403.8E6	50.712m	50.916
9)	A Endosulfan I	6.029	5.161	255.1E6	360.8E6	49.234m	46.952
10)	B gamma-Chl...	5.901	5.042	287.0E6	435.0E6	50.758m	49.812
11)	B alpha-Chl...	5.983	5.106	298.0E6	417.0E6	52.465	50.239
12)	B 4,4'-DDE	6.153	5.295	257.6E6	385.2E6	54.060	50.123
13)	MA Dieldrin	6.302	5.425	282.0E6	427.7E6	51.441	52.307
14)	MA Endrin	6.529	5.701	231.7E6	411.8E6	50.233	54.827
15)	B Endosulfa...	6.741	5.991	240.7E6	355.3E6	48.937m	49.982
16)	A 4,4'-DDD	6.661	5.847	226.0E6	344.9E6	59.948m	53.484
17)	MA 4,4'-DDT	6.976	6.099	198.4E6	285.0E6	46.934	41.179
18)	B Endrin al...	6.869	6.170	181.4E6	270.9E6	58.832m	50.754
19)	B Endosulfa...	7.104	6.393	222.3E6	344.8E6	54.457	50.336
20)	A Methoxychlor	7.448	6.671	95521055	154.7E6	45.805	41.051
21)	B Endrin ke...	7.583	6.897	247.0E6	417.2E6	58.199	55.401
22)	Mirex	8.061	7.086	165.9E6	266.9E6	46.738	44.645

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100325\
Data File : PL097512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2025 03:59
Operator : AR\AJ
Sample : PB169968BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

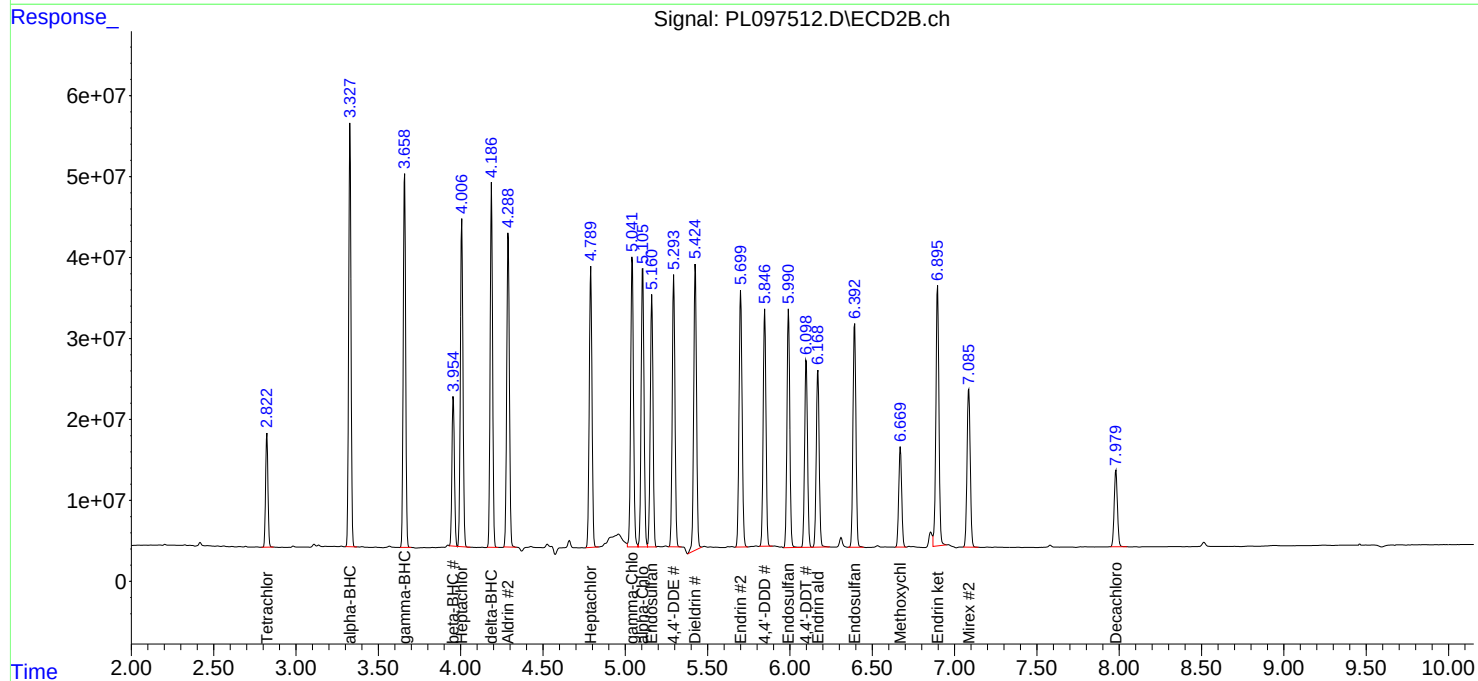
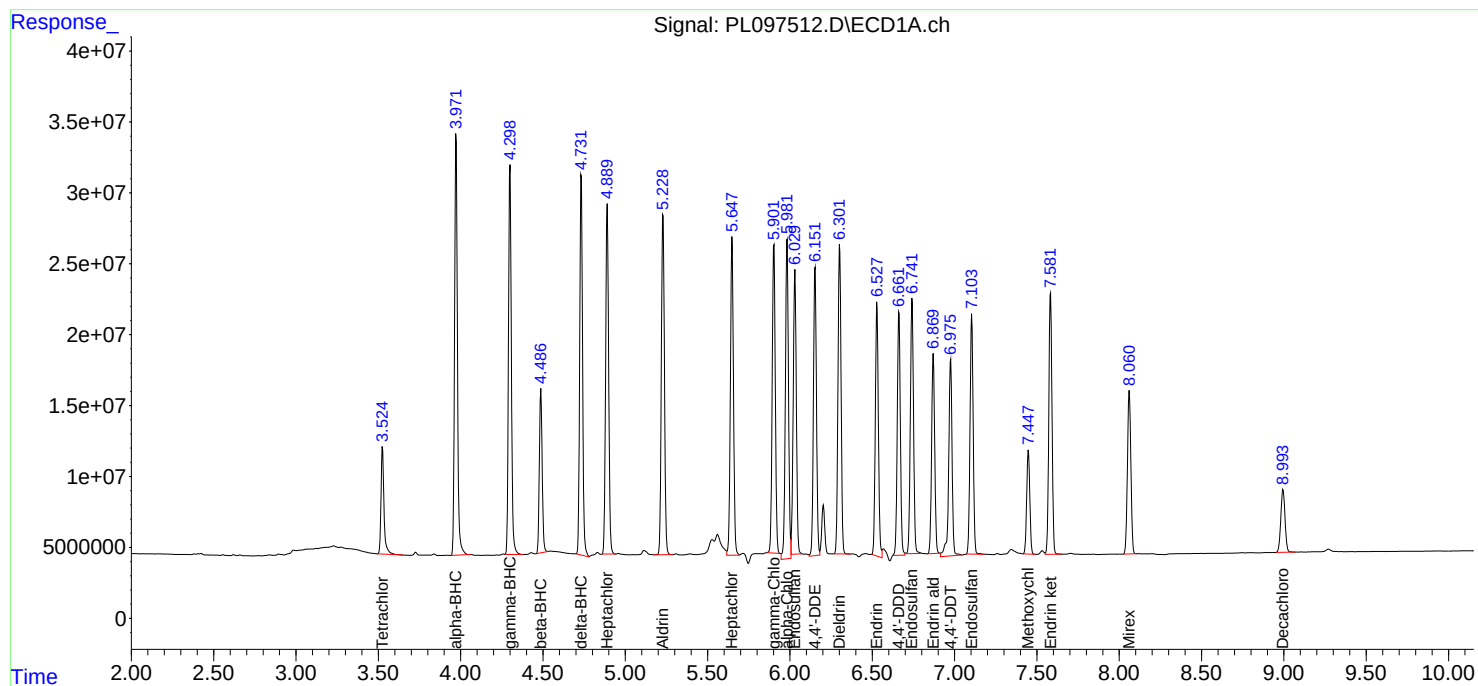
Instrument :
ECD_L
ClientSampleId :
PB169968BS

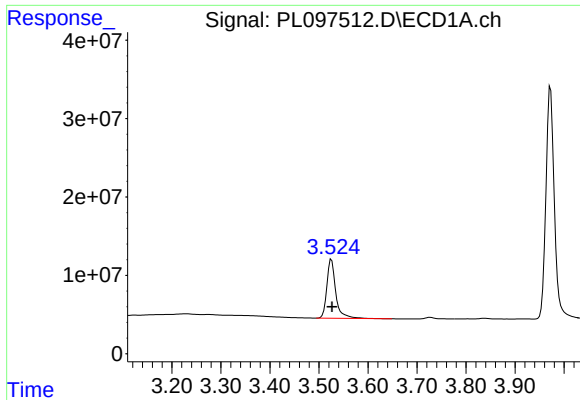
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/06/2025
Supervised By :mohammad ahmed 10/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 01:21:21 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: 94738253
Conc: 20.93 ng/ml

Instrument :

ECD_L

ClientSampleId :

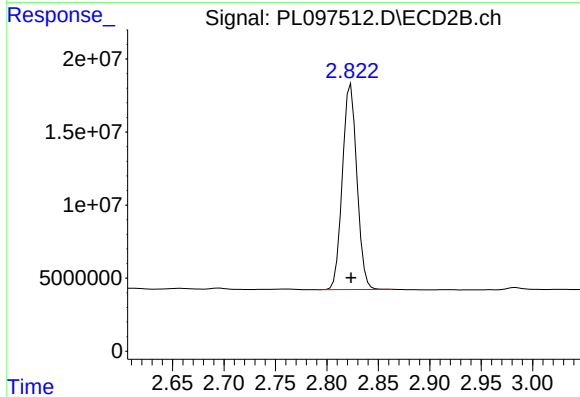
PB169968BS

Manual Integrations

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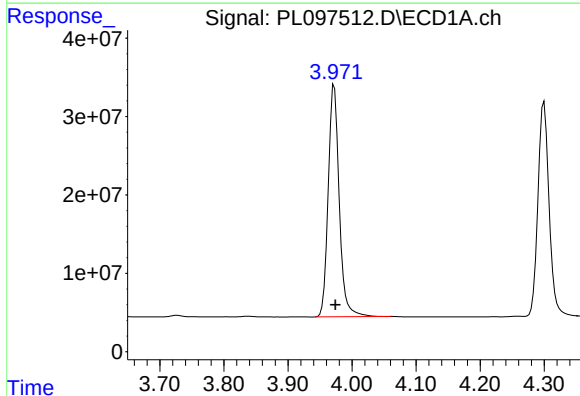
Reviewed By :Abdul Mirza 10/06/2025

Supervised By :mohammad ahmed 10/07/2025



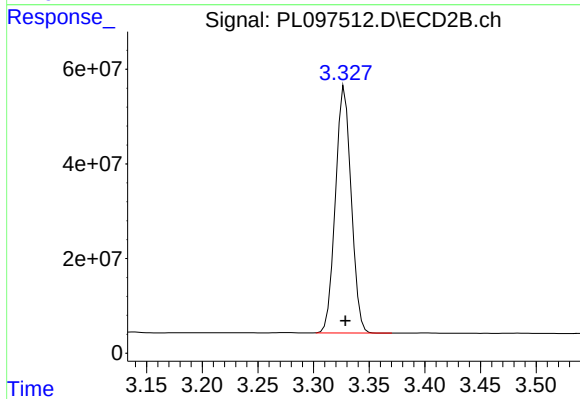
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 138083234
Conc: 21.00 ng/ml



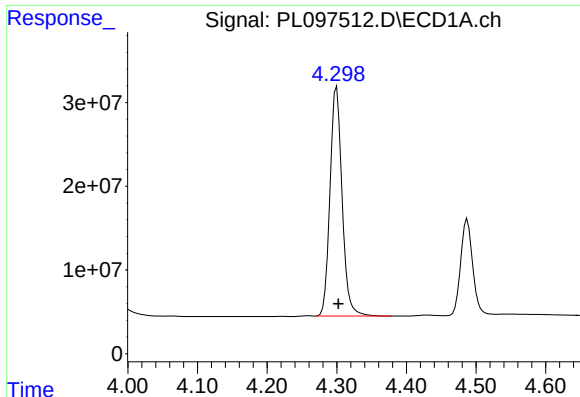
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: -0.002 min
Response: 354306646
Conc: 50.71 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 513301711
Conc: 51.55 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.002 min
Response: 330764729
Conc: 50.02 ng/ml

Instrument :

ECD_L

ClientSampleId :

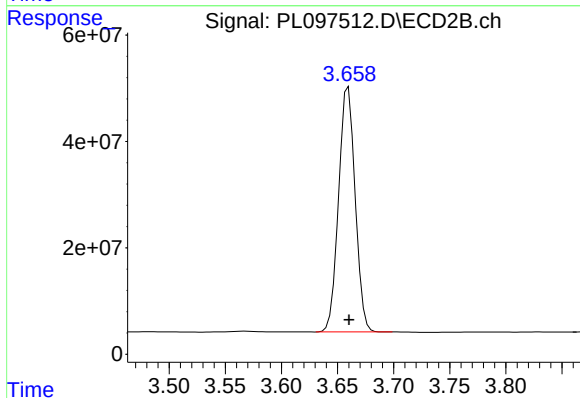
PB169968BS

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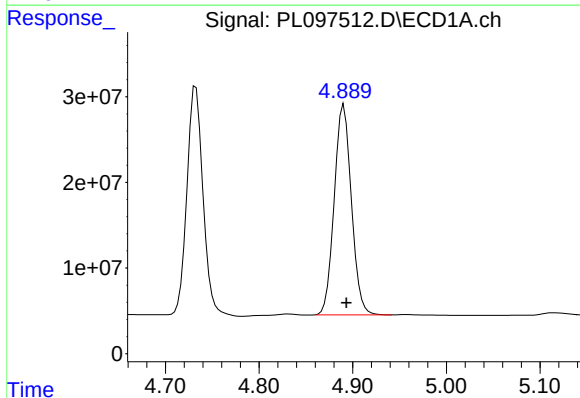
Reviewed By :Abdul Mirza 10/06/2025

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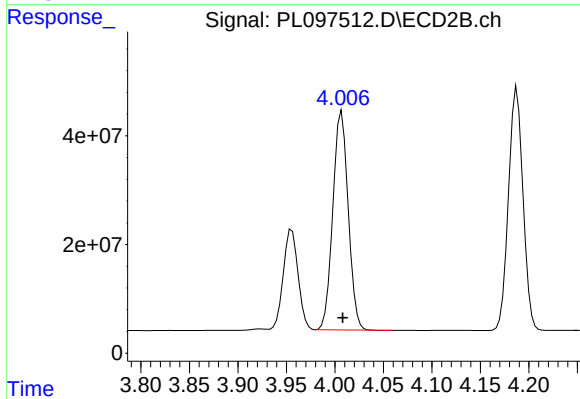
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 473211922
Conc: 50.80 ng/ml



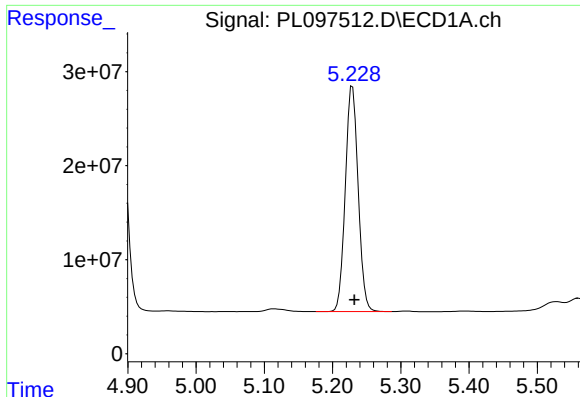
#4 Heptachlor

R.T.: 4.891 min
Delta R.T.: -0.003 min
Response: 313045385
Conc: 46.93 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.001 min
Response: 443481699
Conc: 47.66 ng/ml



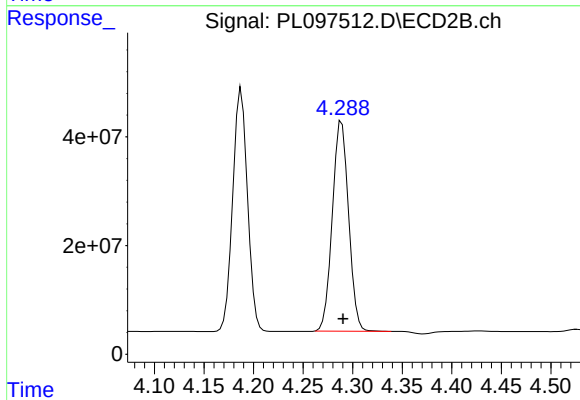
#5 Aldrin

R.T.: 5.229 min
Delta R.T.: -0.003 min
Response: 314220787
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

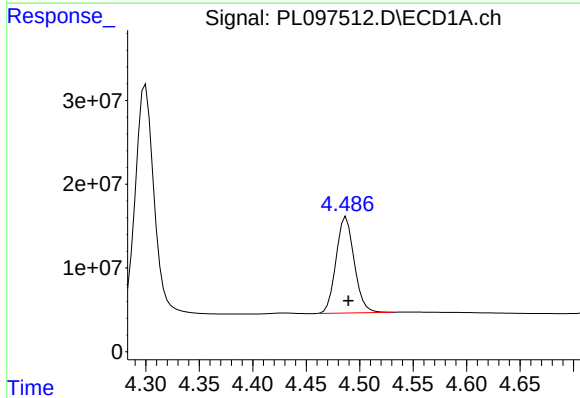
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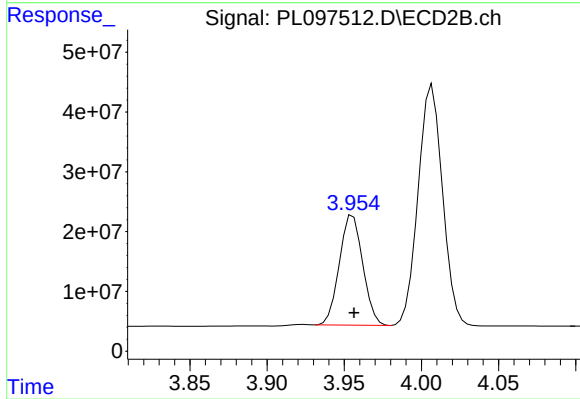
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.001 min
Response: 440833995
Conc: 50.79 ng/ml



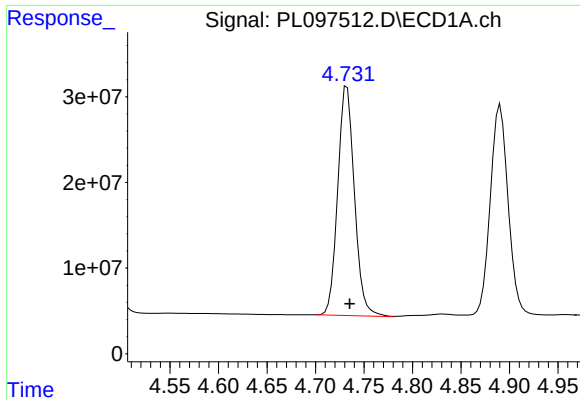
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 136036708
Conc: 49.90 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 194237450
Conc: 47.82 ng/ml



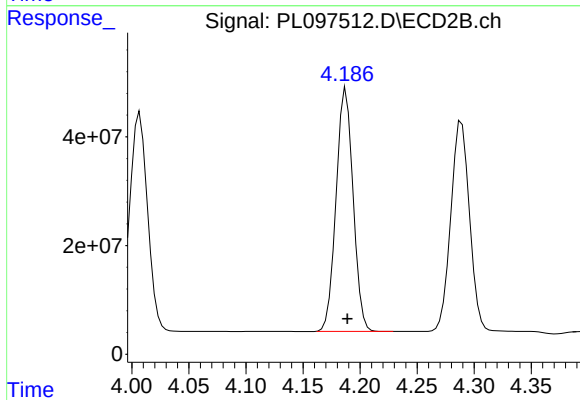
#7 delta-BHC

R.T.: 4.731 min
Delta R.T.: -0.004 min
Response: 320542588
Conc: 52.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

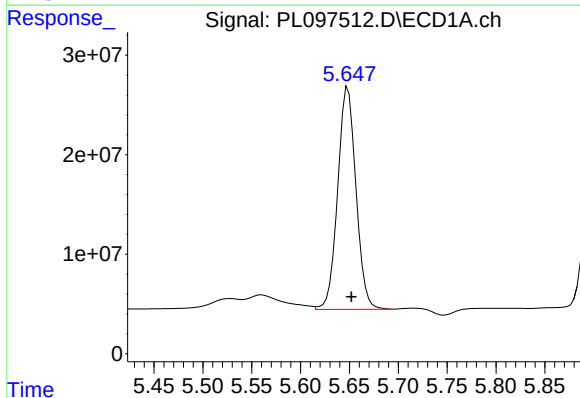
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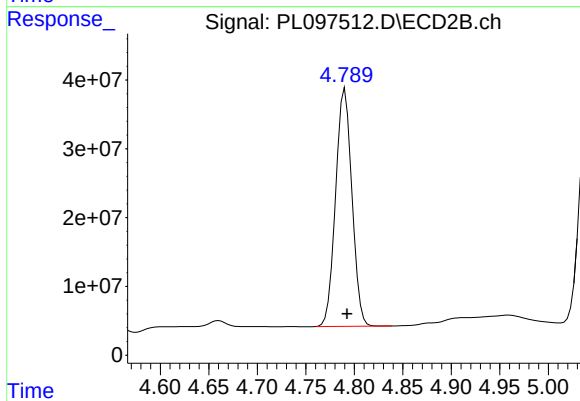
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.001 min
Response: 464209837
Conc: 50.50 ng/ml



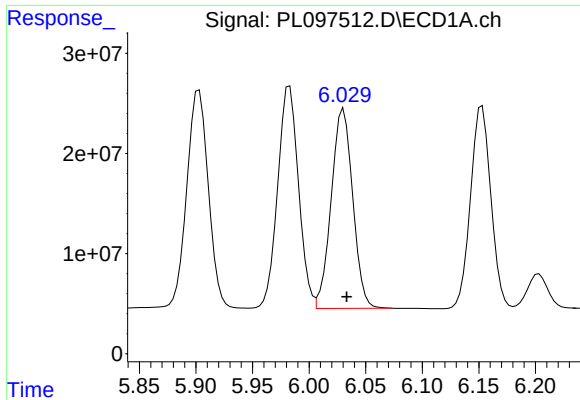
#8 Heptachlor epoxide

R.T.: 5.647 min
Delta R.T.: -0.005 min
Response: 291439306
Conc: 50.71 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: -0.002 min
Response: 403845224
Conc: 50.92 ng/ml



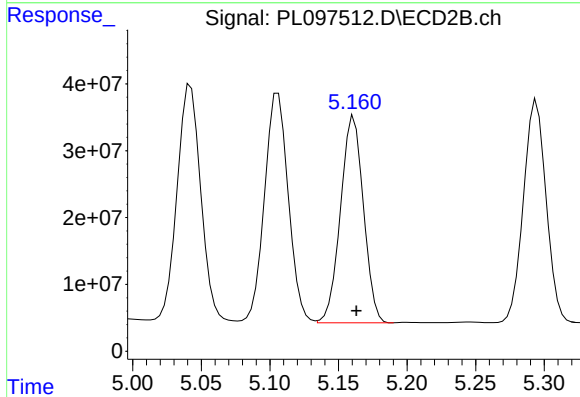
#9 Endosulfan I

R.T.: 6.029 min
Delta R.T.: -0.004 min
Response: 255097099
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

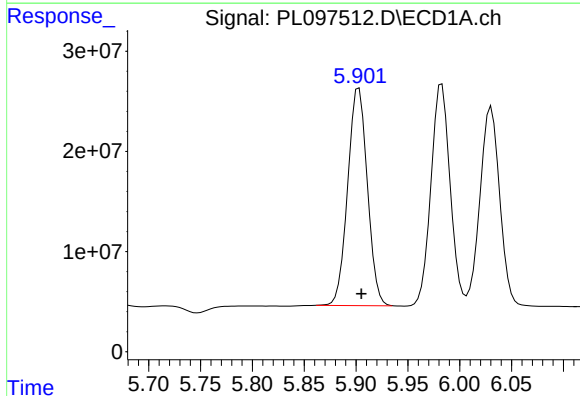
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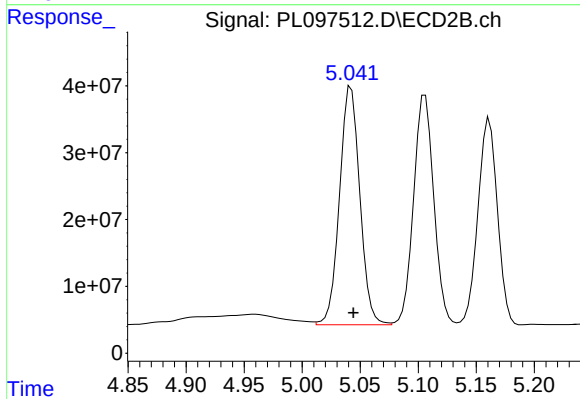
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.002 min
Response: 360762199
Conc: 46.95 ng/ml



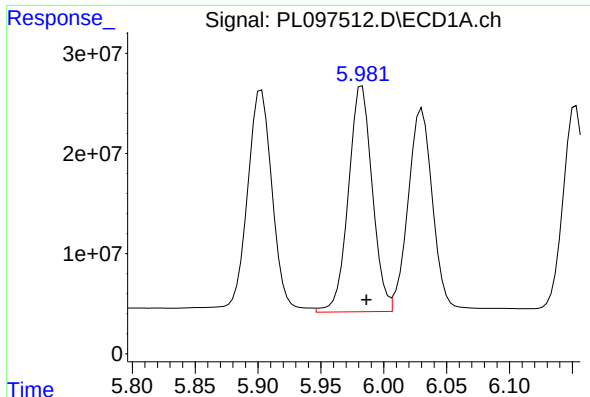
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: -0.004 min
Response: 286960082
Conc: 50.76 ng/ml m



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 435046469
Conc: 49.81 ng/ml



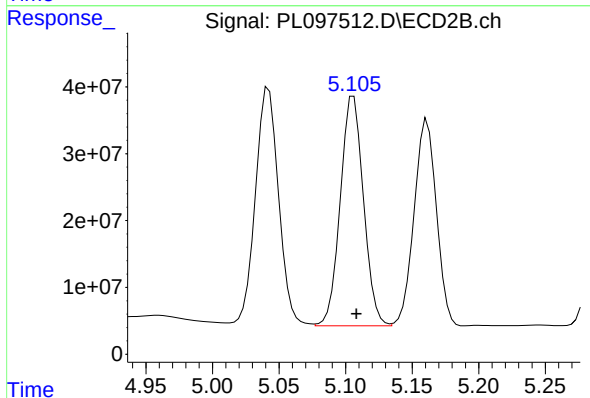
#11 alpha-Chlordane

R.T.: 5.983 min
Delta R.T.: -0.003 min
Response: 297996929
Conc: 52.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

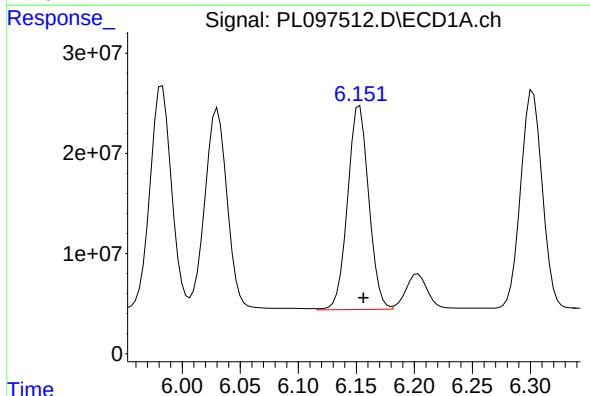
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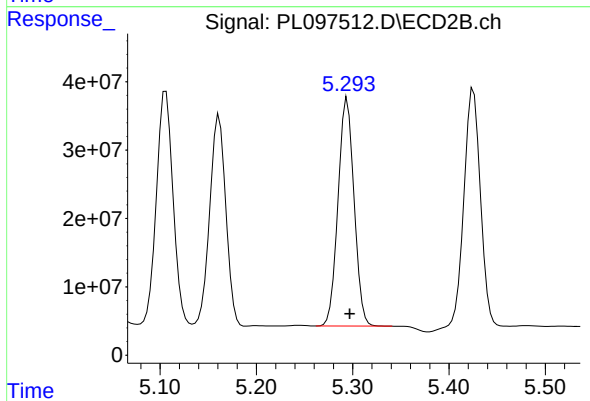
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.002 min
Response: 417011404
Conc: 50.24 ng/ml



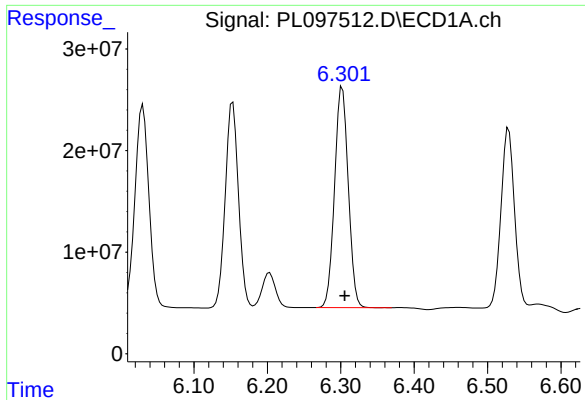
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.003 min
Response: 257580250
Conc: 54.06 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.002 min
Response: 385181762
Conc: 50.12 ng/ml



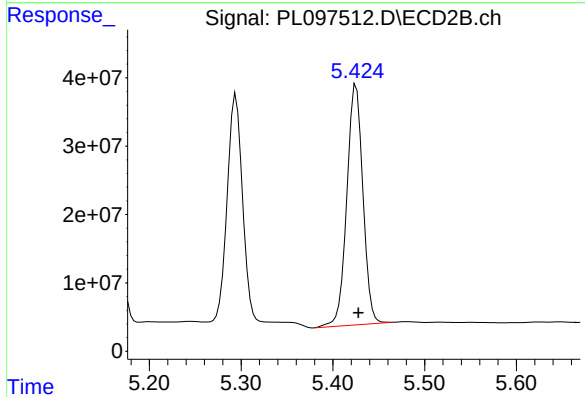
#13 Dieldrin

R.T.: 6.302 min
Delta R.T.: -0.003 min
Response: 282006312
Conc: 51.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

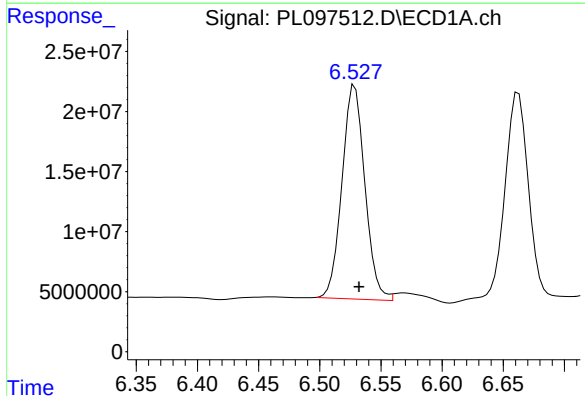
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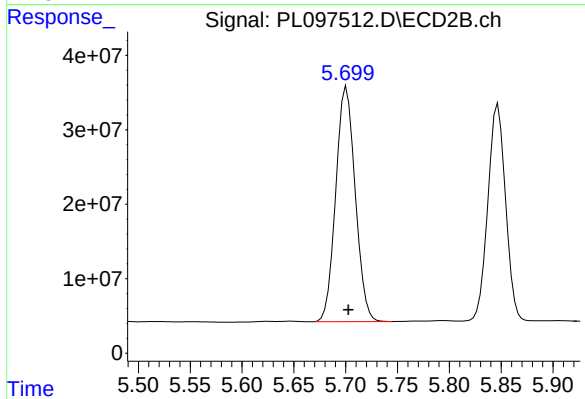
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.002 min
Response: 427701578
Conc: 52.31 ng/ml



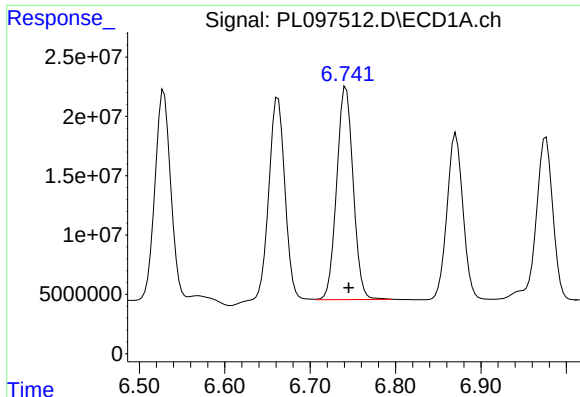
#14 Endrin

R.T.: 6.529 min
Delta R.T.: -0.003 min
Response: 231732093
Conc: 50.23 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 411776678
Conc: 54.83 ng/ml



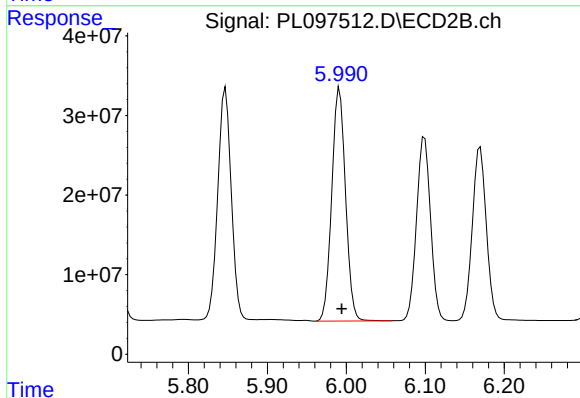
#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: -0.005 min
Response: 240689600
Conc: 48.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

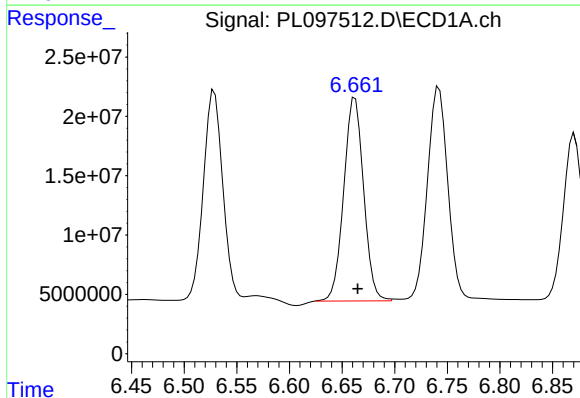
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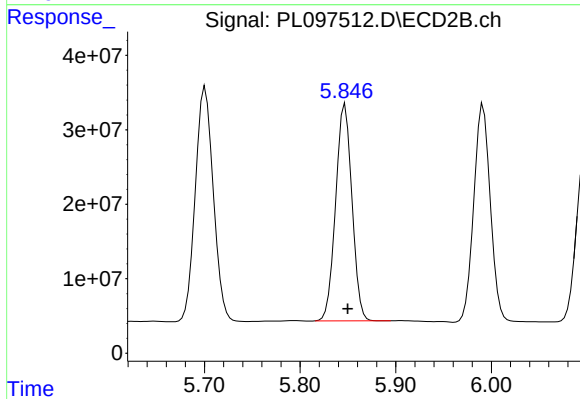
#15 Endosulfan II

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 355335193
Conc: 49.98 ng/ml



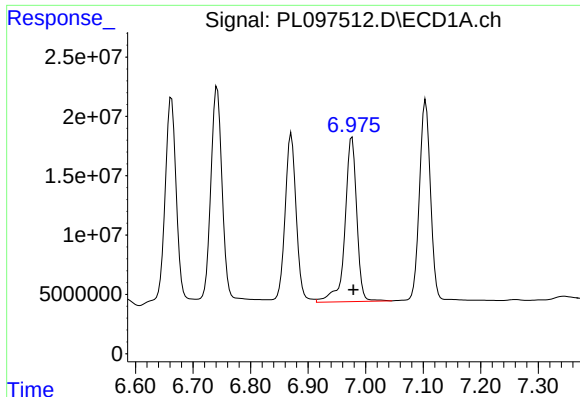
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: -0.004 min
Response: 226036394
Conc: 59.95 ng/ml m



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.003 min
Response: 344920464
Conc: 53.48 ng/ml



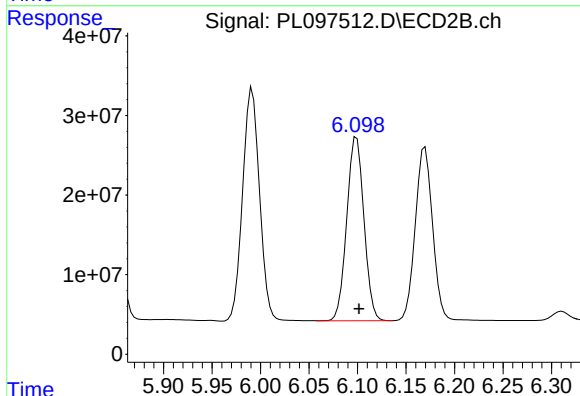
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 198401003
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

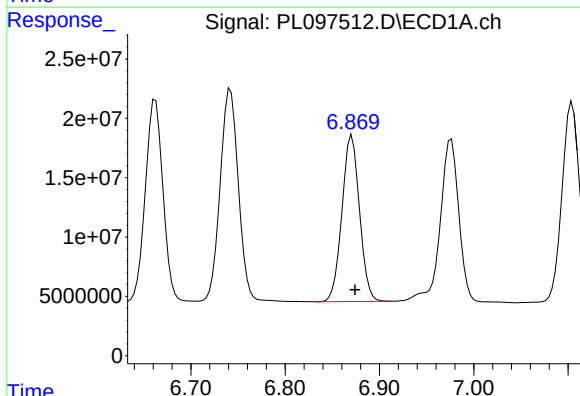
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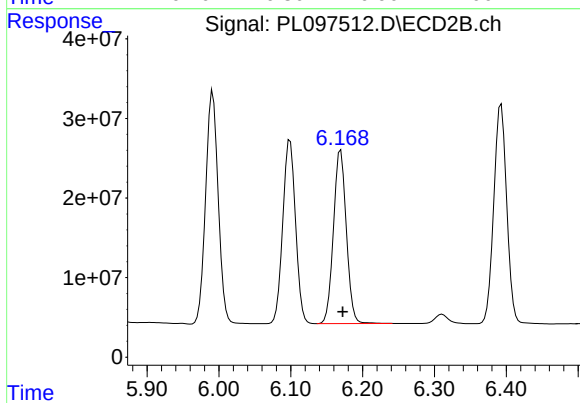
#17 4,4'-DDT

R.T.: 6.099 min
Delta R.T.: -0.003 min
Response: 284980989
Conc: 41.18 ng/ml



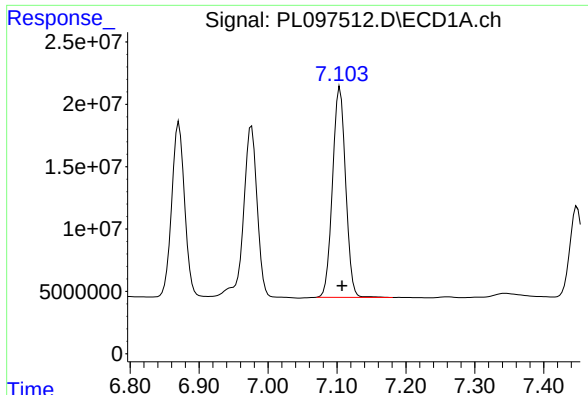
#18 Endrin aldehyde

R.T.: 6.869 min
Delta R.T.: -0.005 min
Response: 181366708
Conc: 58.83 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.003 min
Response: 270892988
Conc: 50.75 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: -0.003 min
Response: 222334716
Conc: 54.46 ng/ml

Instrument :

ECD_L

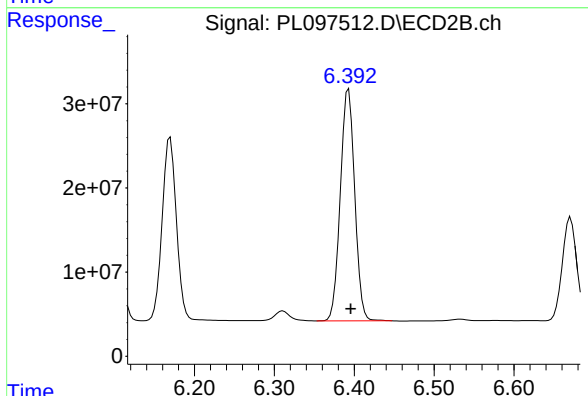
ClientSampleId :

PB169968BS

Manual Integrations

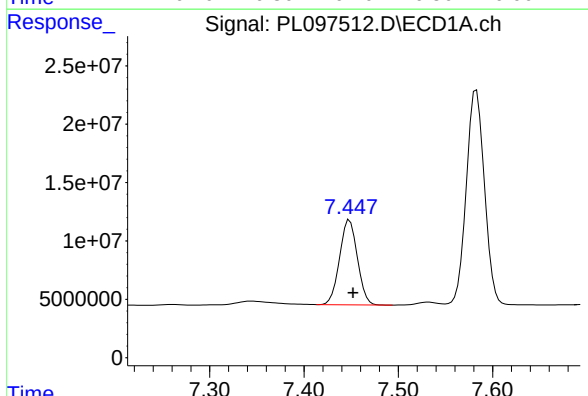
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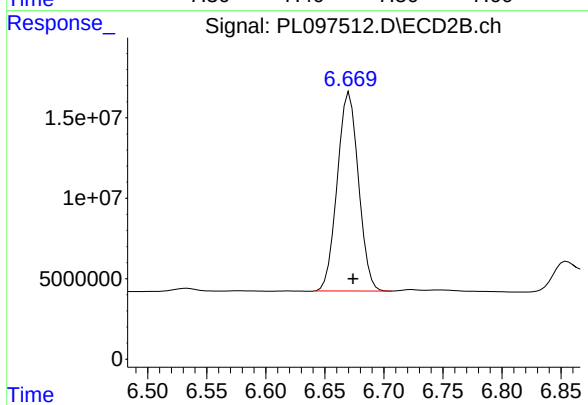
#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: -0.003 min
Response: 344792720
Conc: 50.34 ng/ml



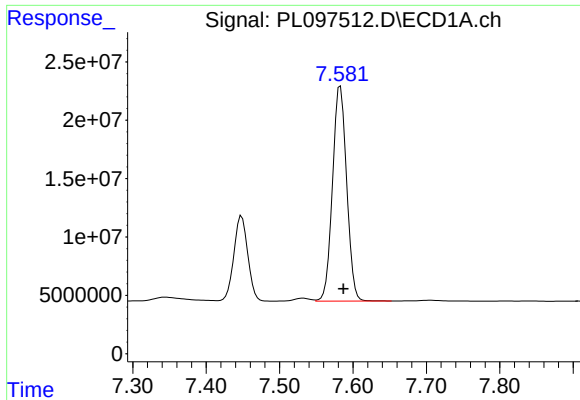
#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: -0.004 min
Response: 95521055
Conc: 45.81 ng/ml



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: -0.003 min
Response: 154741259
Conc: 41.05 ng/ml



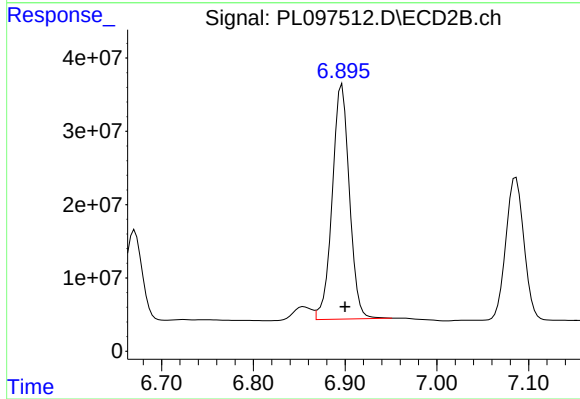
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: -0.004 min
Response: 247017507
Conc: 58.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

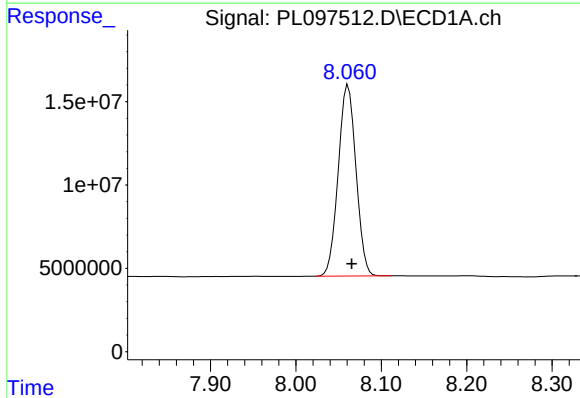
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/06/2025
Supervised By :mohammad ahmed 10/07/2025



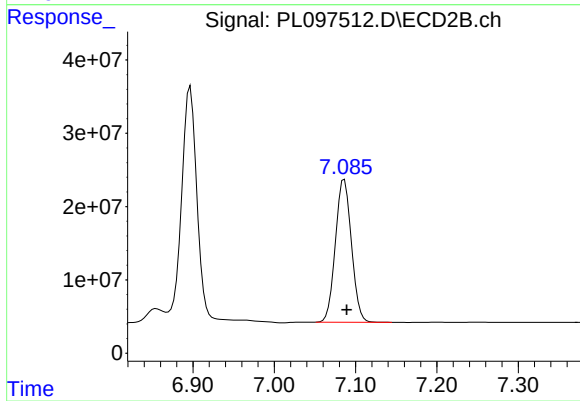
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.003 min
Response: 417189117
Conc: 55.40 ng/ml



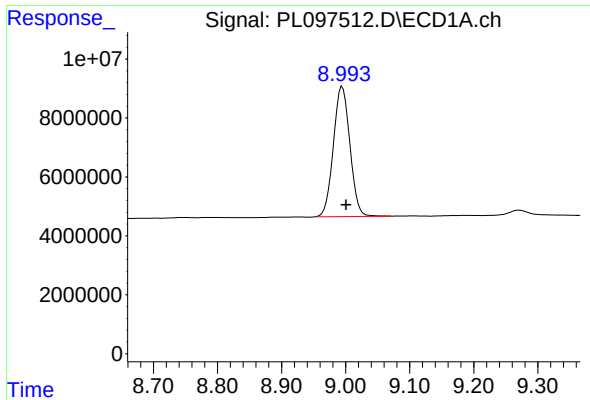
#22 Mirex

R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 165933549
Conc: 46.74 ng/ml



#22 Mirex

R.T.: 7.086 min
Delta R.T.: -0.003 min
Response: 266917441
Conc: 44.64 ng/ml



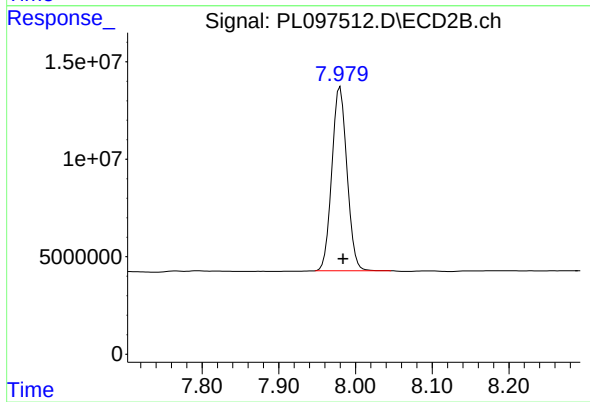
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: -0.006 min
Response: 79095261
Conc: 24.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169968BS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/07/2025



#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: -0.004 min
Response: 129243714
Conc: 22.71 ng/ml