

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072325\
 Data File : PL096534.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 14:56
 Operator : AR\AJ
 Sample : PB168979BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168979BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/24/2025
 Supervised By : mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 05:08:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.534	2.824	63767806	112.1E6	17.476	19.425
28)	SA Decachlor...	9.019	7.992	53314557	101.1E6	18.953	20.267
Target Compounds							
2)	A alpha-BHC	3.982	3.330	233.8E6	416.6E6	45.454	49.399
3)	MA gamma-BHC...	4.311	3.662	220.7E6	386.5E6	44.330	49.072
4)	MA Heptachlor	4.904	4.011	208.8E6	366.9E6	45.582	48.225
5)	MB Aldrin	5.244	4.294	236.9E6	357.9E6	49.013	49.057
6)	B beta-BHC	4.497	3.958	93282394	160.9E6	44.873	46.991
7)	B delta-BHC	4.744	4.192	206.8E6	376.7E6	46.151	48.907
8)	B Heptachlo...	5.664	4.797	193.7E6	320.7E6	46.695	47.981
9)	A Endosulfan I	6.045	5.168	180.6E6	301.4E6	44.732	42.007
10)	B gamma-Chl...	5.917	5.049	197.4E6	342.8E6	44.621	48.831
11)	B alpha-Chl...	5.998	5.113	195.0E6	333.7E6	44.528	44.375
12)	B 4,4'-DDE	6.168	5.302	160.6E6	315.8E6	43.310	48.858
13)	MA Dieldrin	6.317	5.433	187.7E6	330.6E6	44.401	48.473
14)	MA Endrin	6.544	5.708	141.8E6	277.8E6	45.595	45.561
15)	B Endosulfa...	6.757	6.000	167.6E6	285.0E6	48.307	48.594
16)	A 4,4'-DDD	6.677	5.855	151.6E6	280.5E6	52.081	54.695
17)	MA 4,4'-DDT	6.991	6.107	127.1E6	244.7E6	41.891	42.667m
18)	B Endrin al...	6.886	6.178	119.0E6	218.7E6	53.247	49.102
19)	B Endosulfa...	7.119	6.402	141.6E6	282.4E6	46.280	50.207
20)	A Methoxychlor	7.464	6.681	66646476	131.4E6	42.305	43.244
21)	B Endrin ke...	7.599	6.906	153.4E6	331.1E6	46.454	52.950
22)	Mirex	8.078	7.097	125.6E6	238.8E6	45.153	48.057

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072325\
Data File : PL096534.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:56
Operator : AR\AJ
Sample : PB168979BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

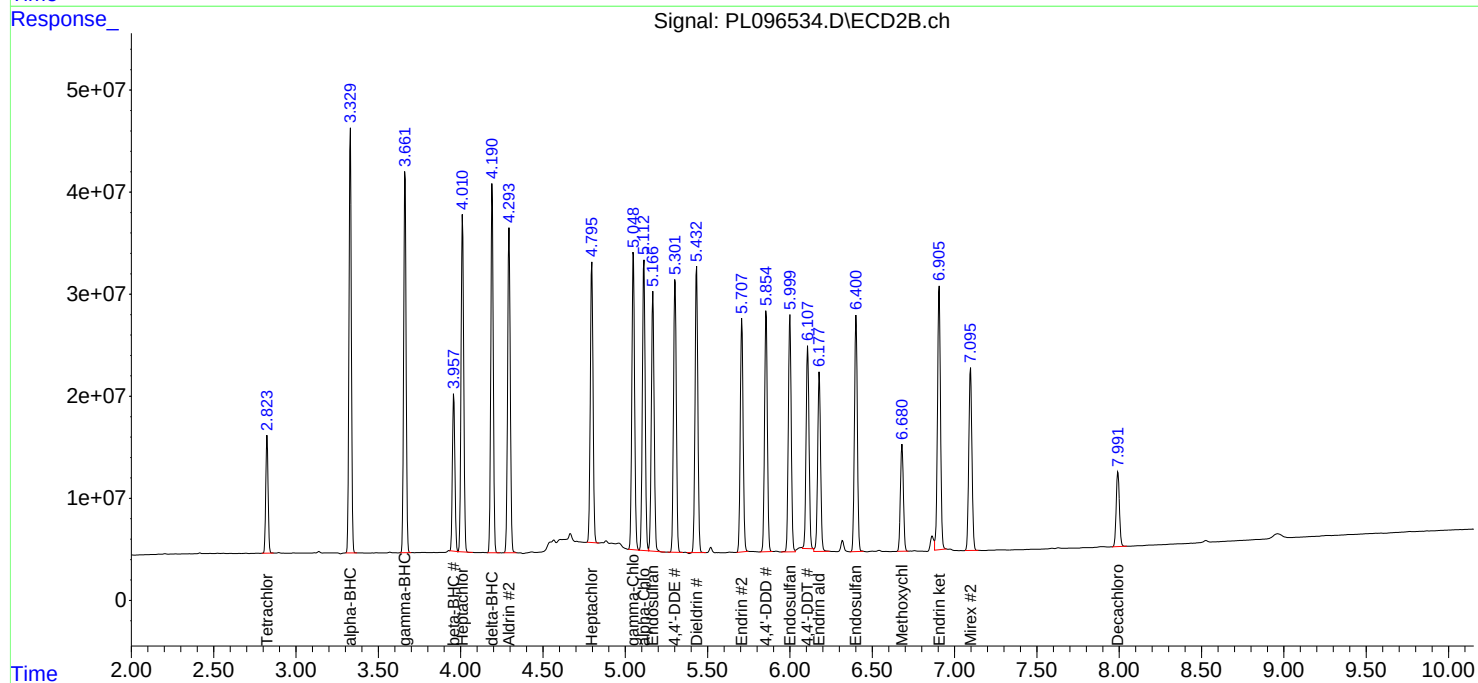
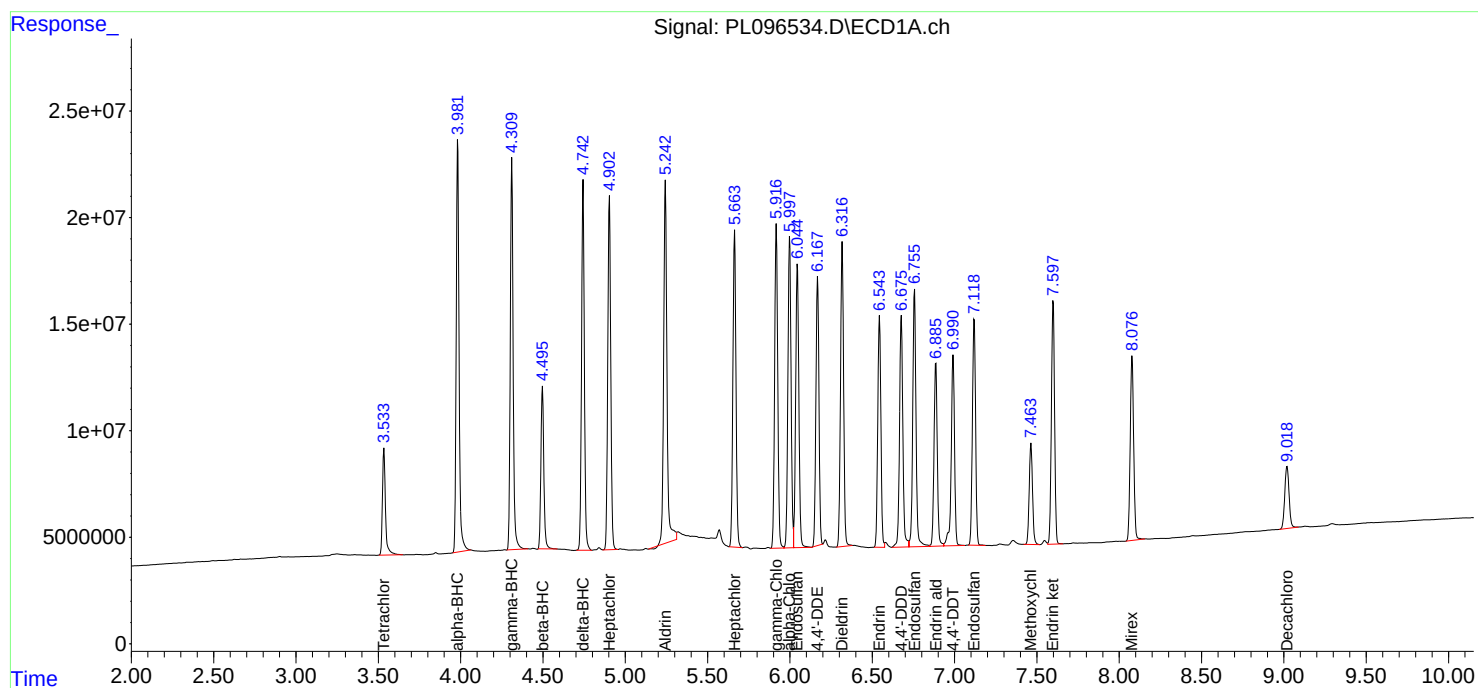
Instrument :
ECD_L
ClientSampleId :
PB168979BS

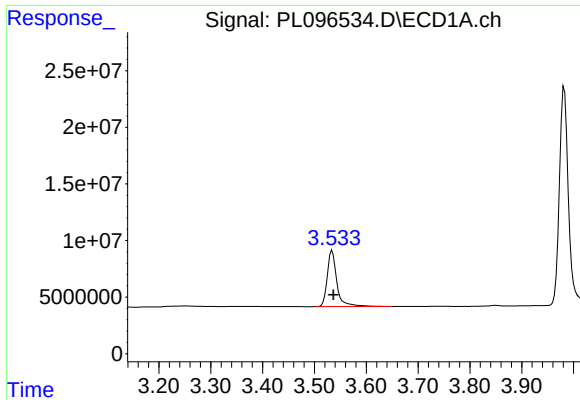
Manual Integrations
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Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:08:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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





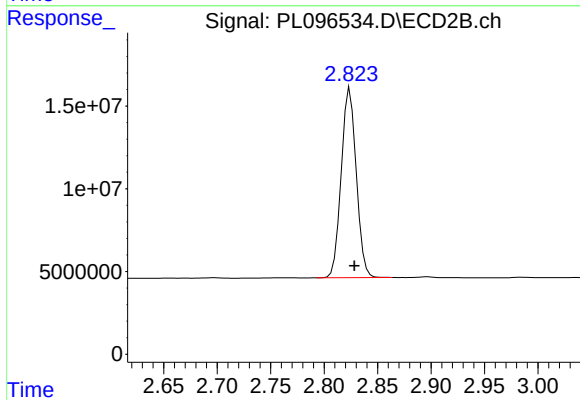
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 63767806
Conc: 17.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

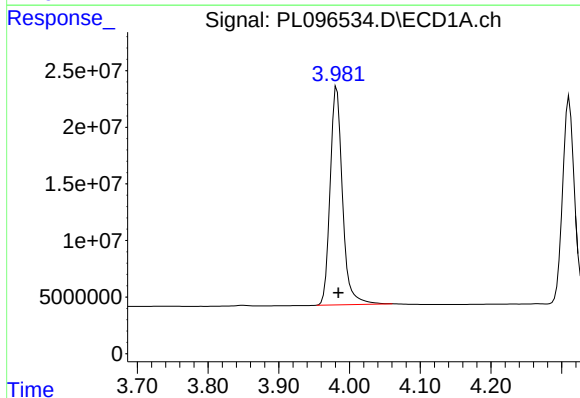
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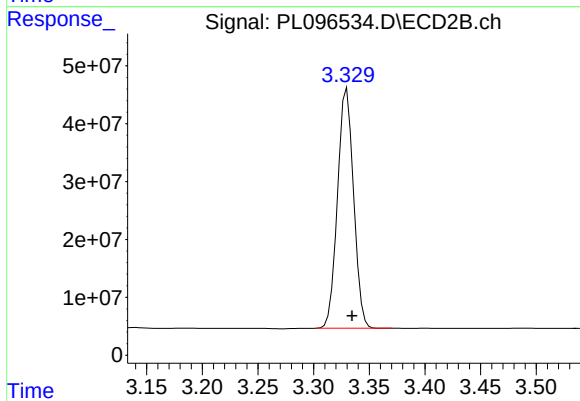
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 112105194
Conc: 19.42 ng/ml



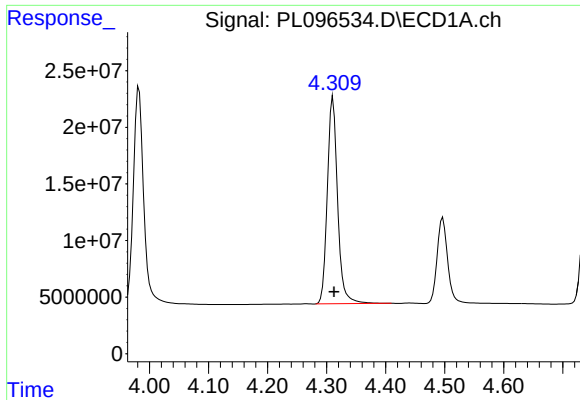
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 233777387
Conc: 45.45 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.005 min
Response: 416645619
Conc: 49.40 ng/ml



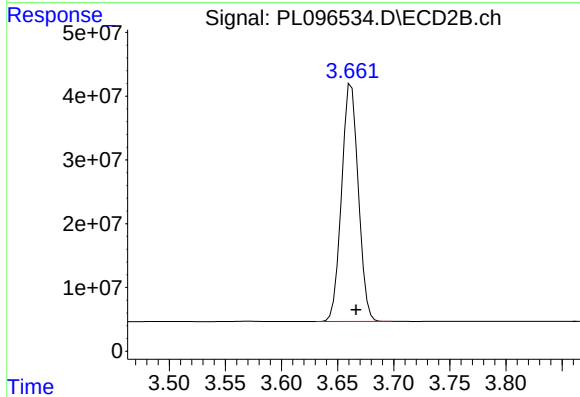
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 220746326
Conc: 44.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

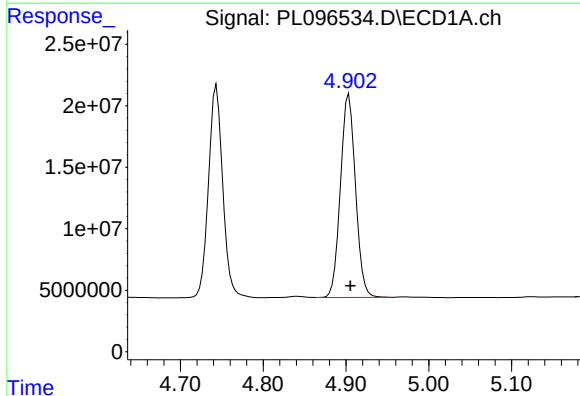
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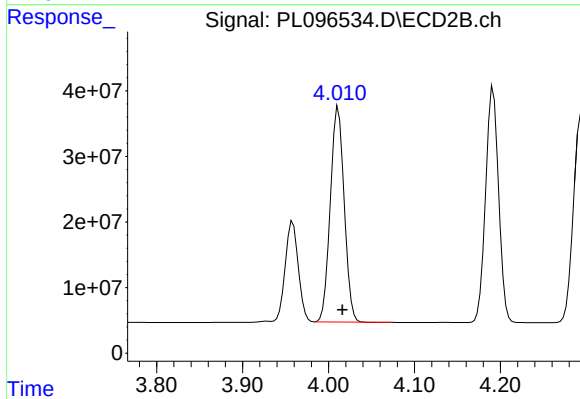
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.004 min
Response: 386482147
Conc: 49.07 ng/ml



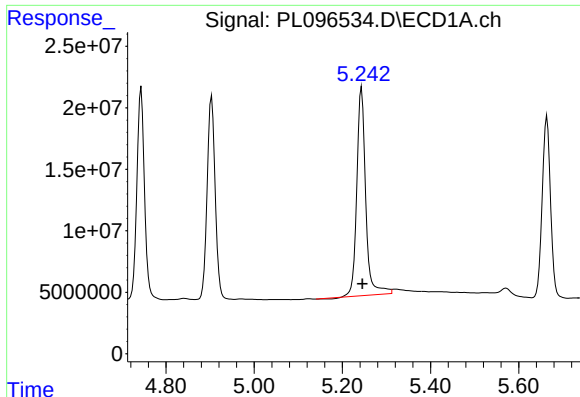
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.002 min
Response: 208822341
Conc: 45.58 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.005 min
Response: 366886870
Conc: 48.23 ng/ml



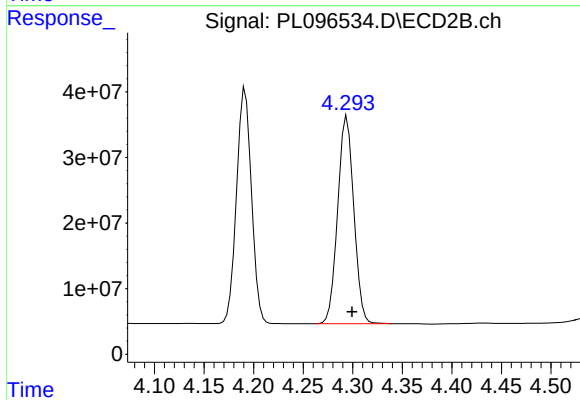
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 236914464
Conc: 49.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

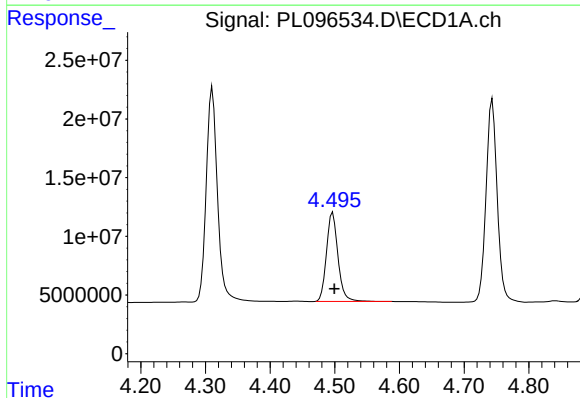
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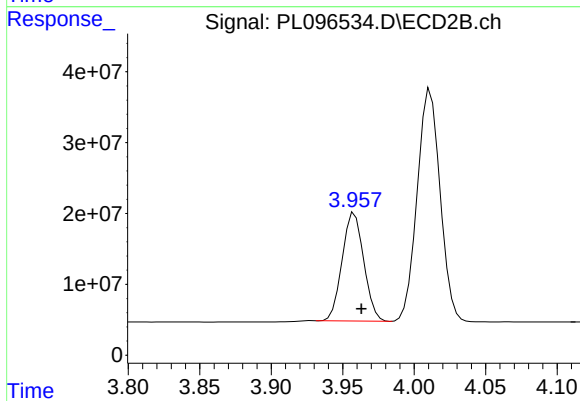
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.005 min
Response: 357901130
Conc: 49.06 ng/ml



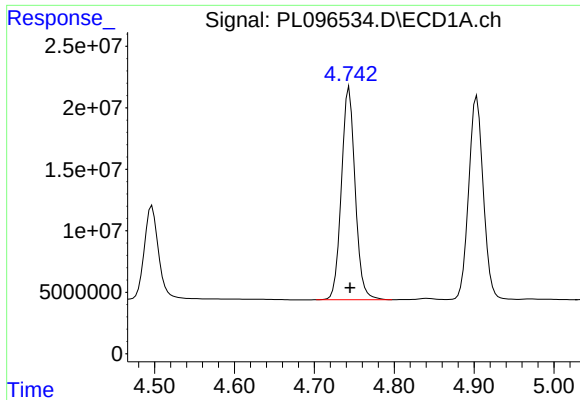
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 93282394
Conc: 44.87 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.005 min
Response: 160893325
Conc: 46.99 ng/ml



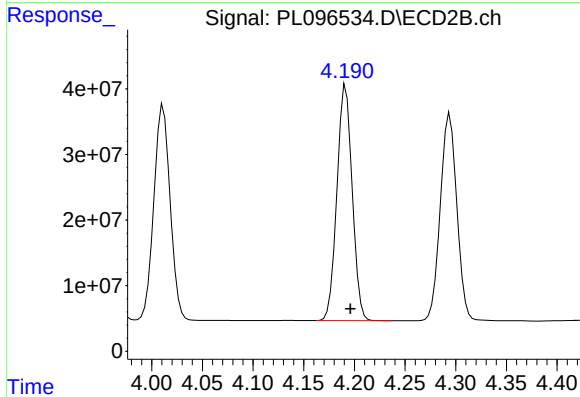
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 206816250
Conc: 46.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

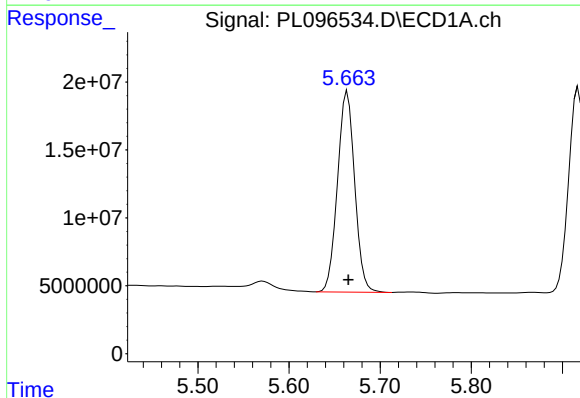
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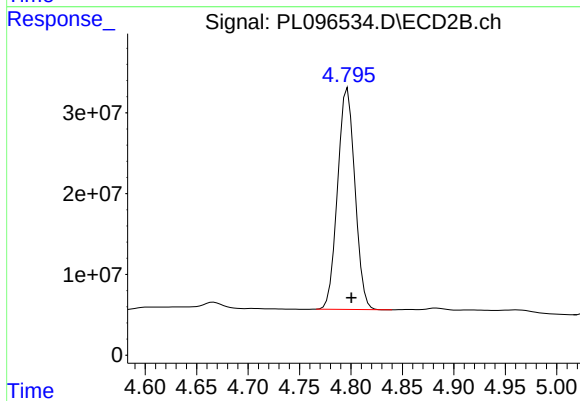
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.004 min
Response: 376677334
Conc: 48.91 ng/ml



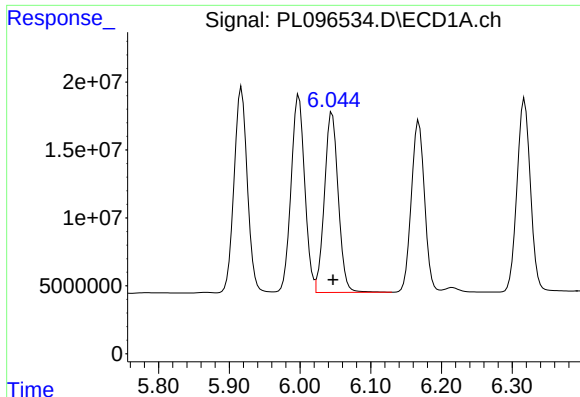
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 193743677
Conc: 46.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.797 min
Delta R.T.: -0.004 min
Response: 320749708
Conc: 47.98 ng/ml



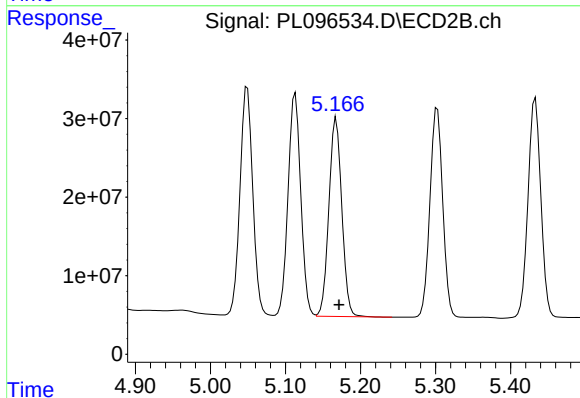
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.001 min
Response: 180595950
Conc: 44.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

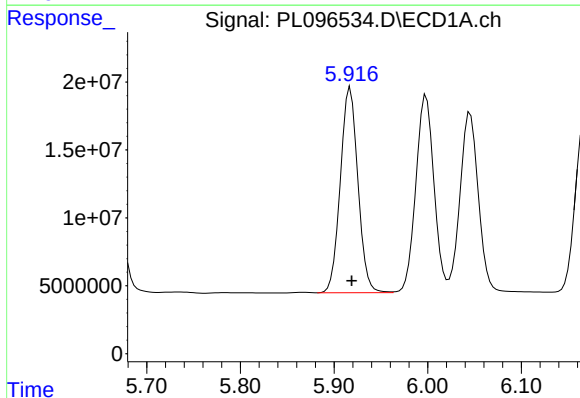
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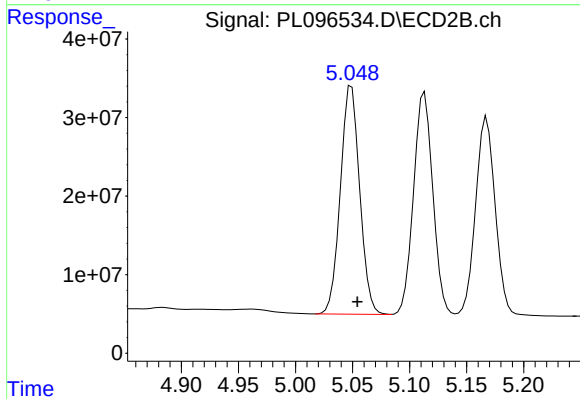
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.004 min
Response: 301362996
Conc: 42.01 ng/ml



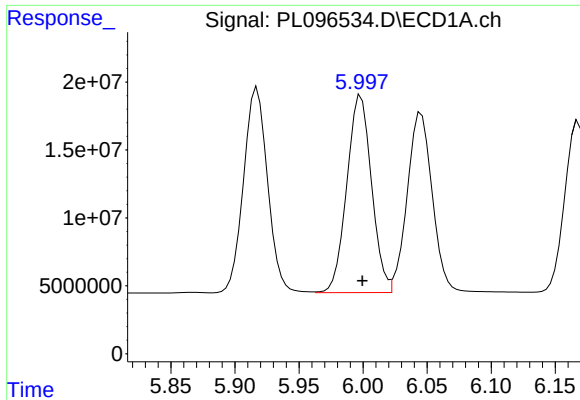
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 197436879
Conc: 44.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 342777736
Conc: 48.83 ng/ml



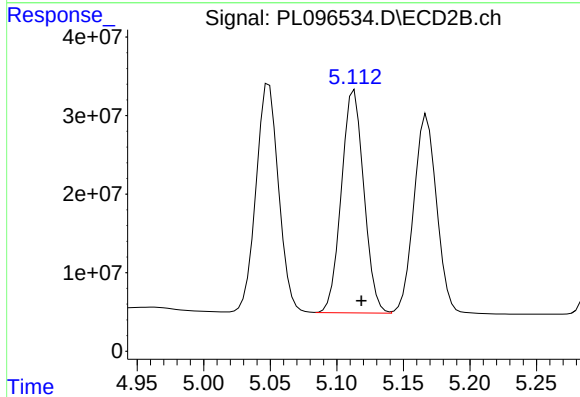
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 194982627
Conc: 44.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

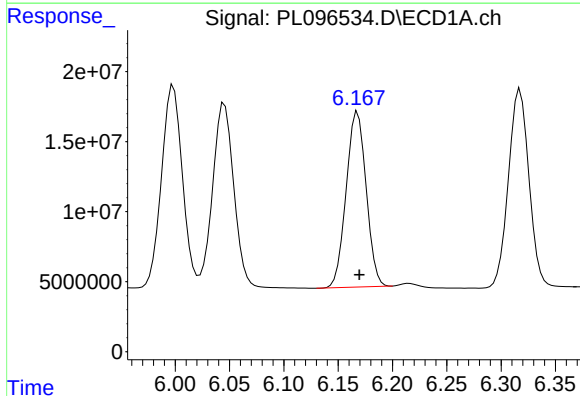
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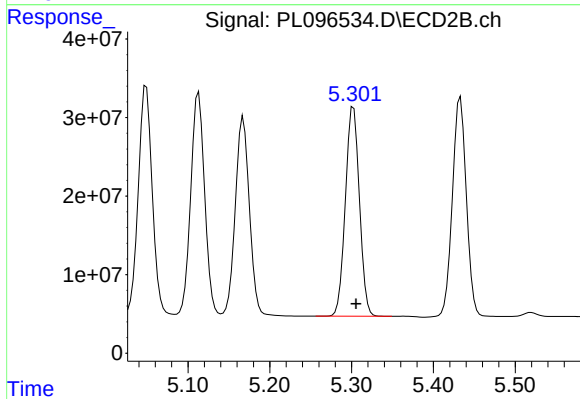
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.005 min
Response: 333707765
Conc: 44.37 ng/ml



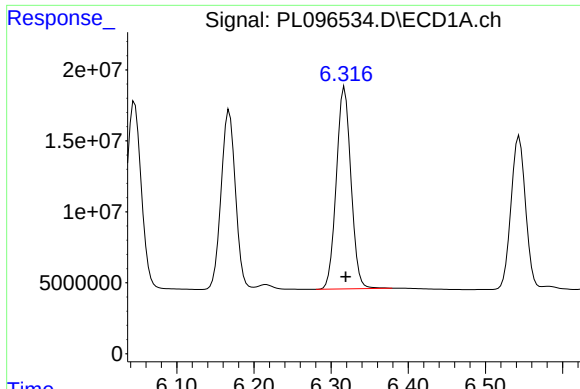
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 160571980
Conc: 43.31 ng/ml



#12 4,4'-DDE

R.T.: 5.302 min
Delta R.T.: -0.003 min
Response: 315799695
Conc: 48.86 ng/ml



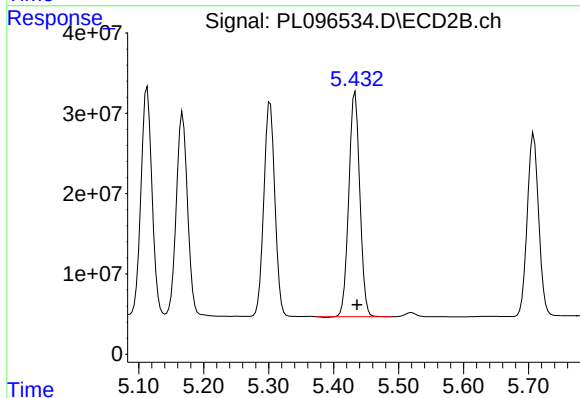
#13 Dieldrin

R.T.: 6.317 min
Delta R.T.: -0.002 min
Response: 187745090
Conc: 44.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

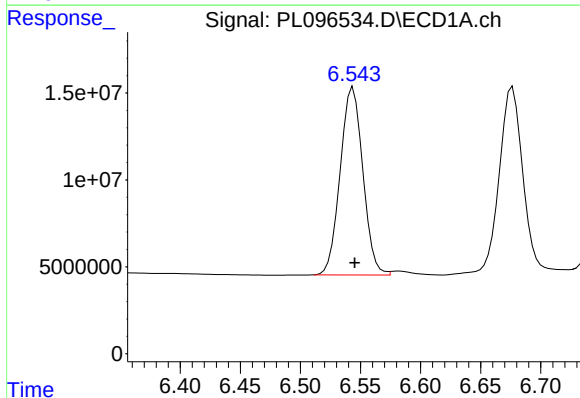
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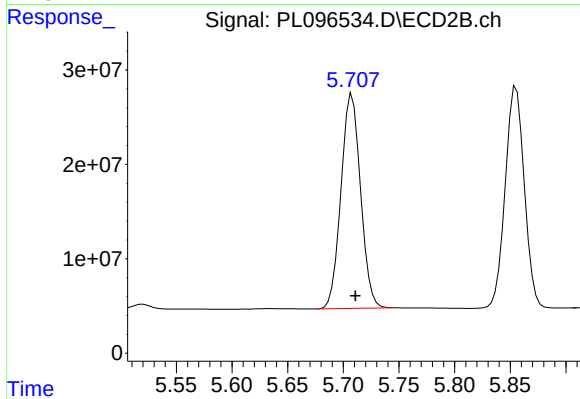
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 330552012
Conc: 48.47 ng/ml



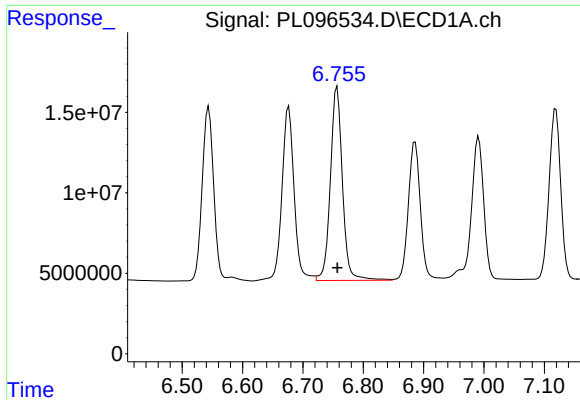
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 141809728
Conc: 45.59 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: -0.003 min
Response: 277762208
Conc: 45.56 ng/ml



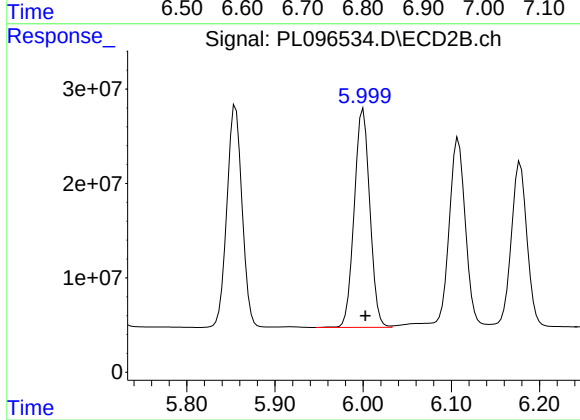
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 167628556
Conc: 48.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

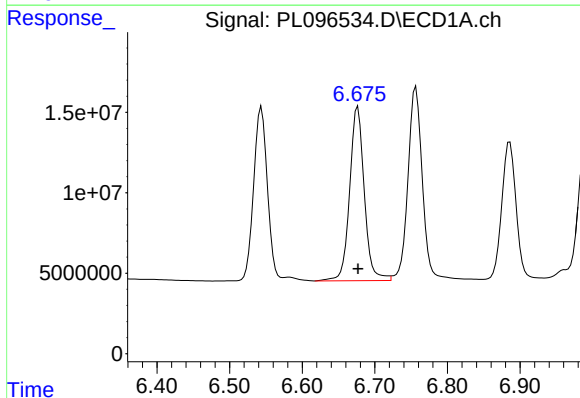
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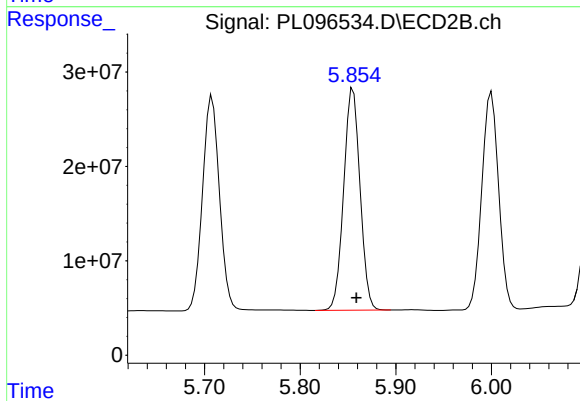
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 284950689
Conc: 48.59 ng/ml



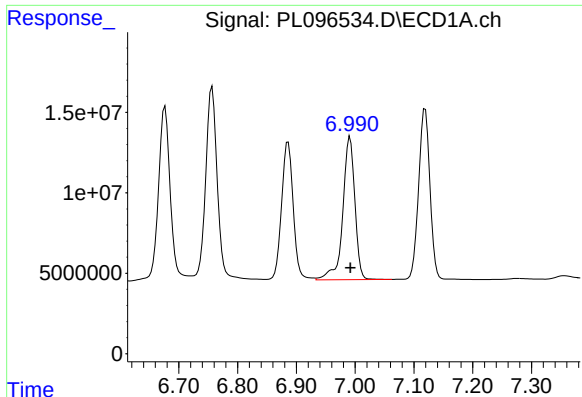
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 151644923
Conc: 52.08 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 280512434
Conc: 54.69 ng/ml



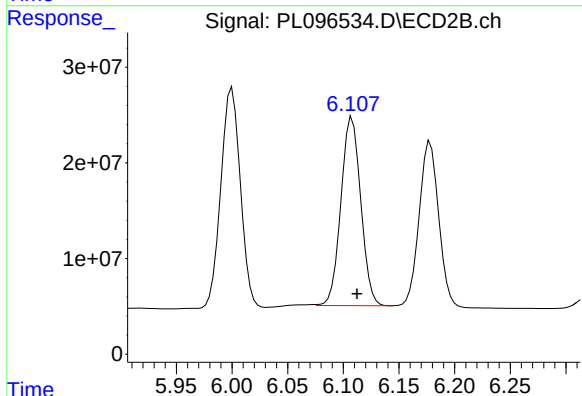
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 127147256
Conc: 41.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

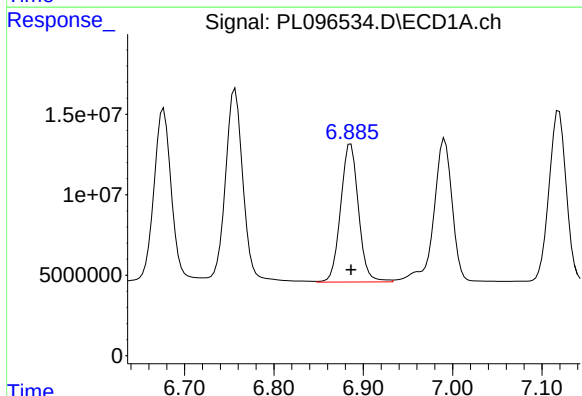
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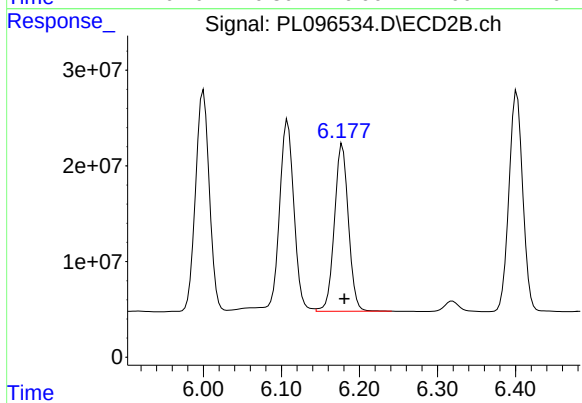
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.006 min
Response: 244699368
Conc: 42.67 ng/ml m



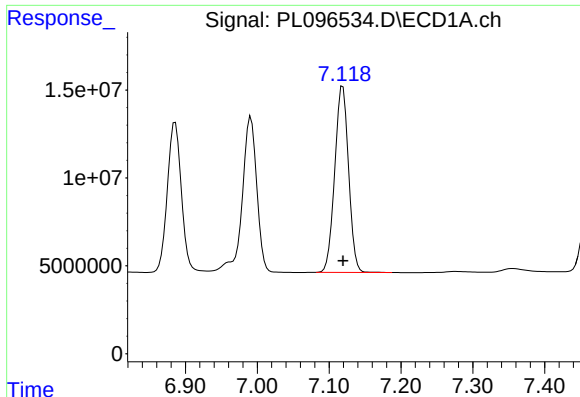
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 119037756
Conc: 53.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 218730720
Conc: 49.10 ng/ml



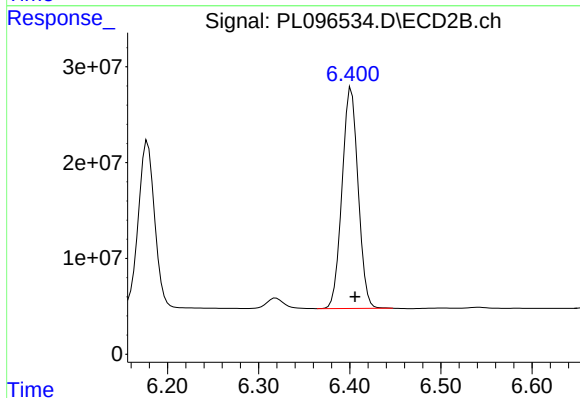
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 141563739
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

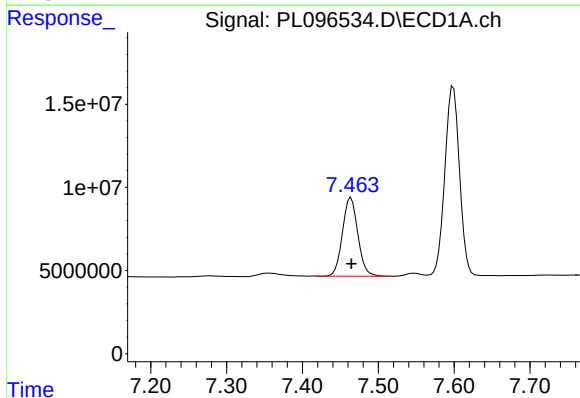
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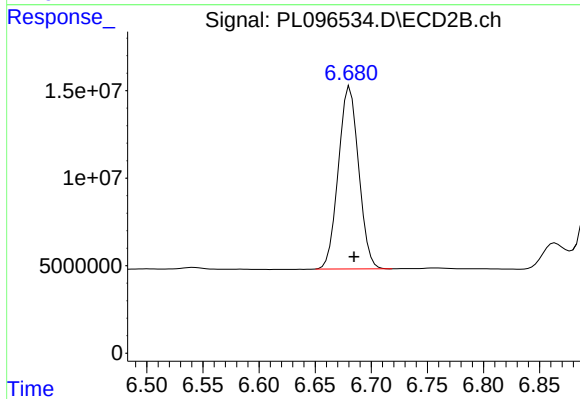
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 282381983
Conc: 50.21 ng/ml



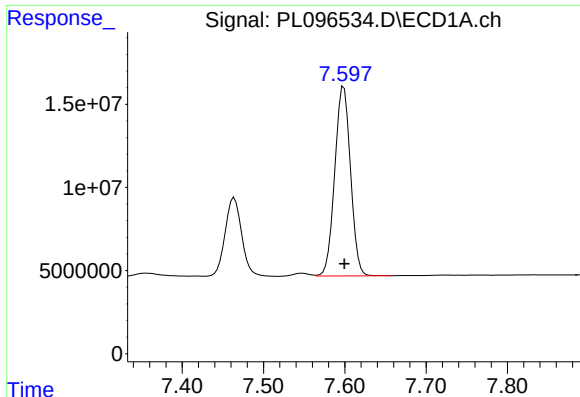
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 66646476
Conc: 42.30 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 131364306
Conc: 43.24 ng/ml



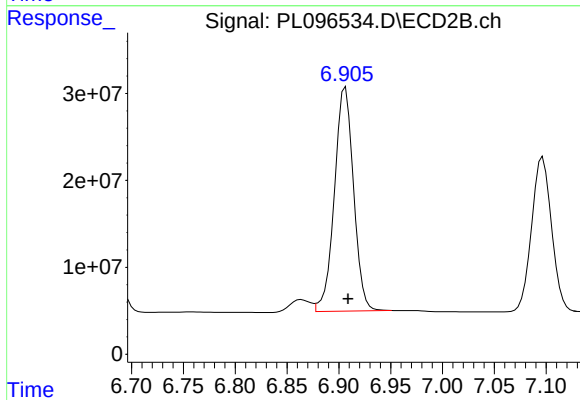
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 153375364
Conc: 46.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

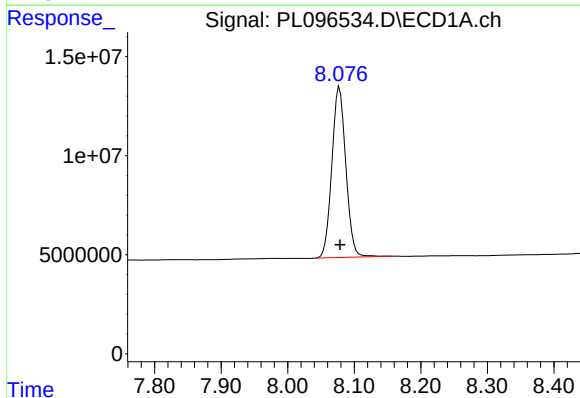
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



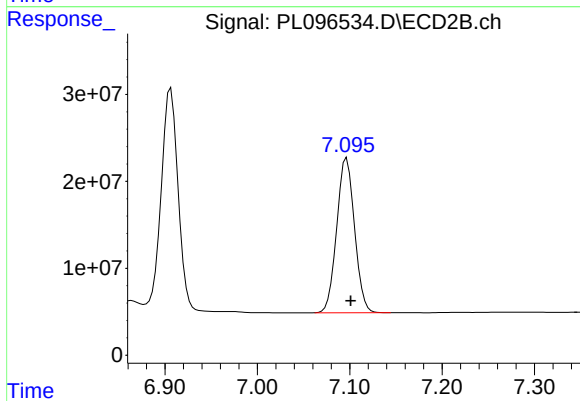
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 331053453
Conc: 52.95 ng/ml



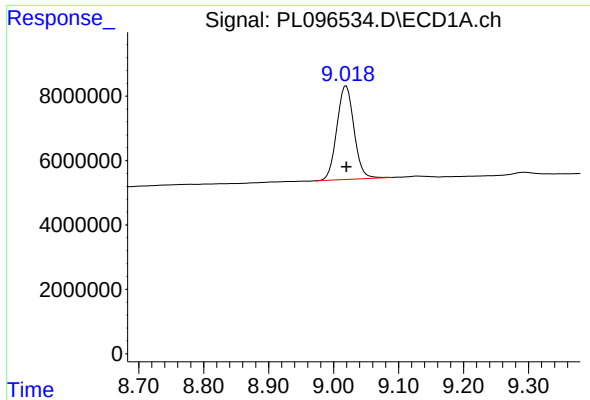
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 125626867
Conc: 45.15 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 238755787
Conc: 48.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min

Delta R.T.: 0.000 min

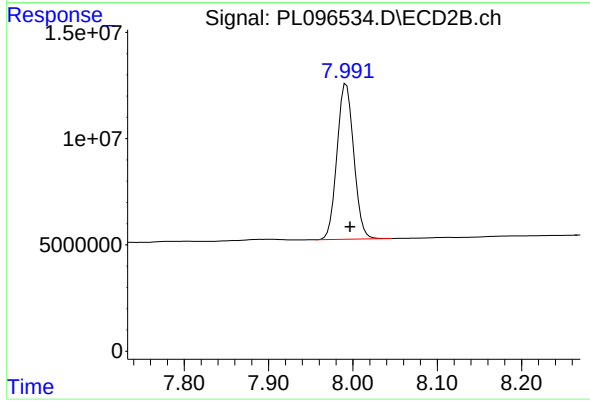
Response: 53314557

Conc: 18.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168979BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.992 min

Delta R.T.: -0.004 min

Response: 101060434

Conc: 20.27 ng/ml