

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 17:01
 Operator : AR\AJ
 Sample : PB169314BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169314BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:38:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 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...	3.528	2.844	58202909	87065437	18.298m	18.223
28) SA Decachlor...	9.002	8.005	48645881	78334167	20.400m	18.056
Target Compounds						
2) A alpha-BHC	3.976	3.348f	215.5E6	330.8E6	46.584	46.747m
3) MA gamma-BHC...	4.303	3.680	207.7E6	309.2E6	46.962m	46.821m
4) MA Heptachlor	4.895	4.029f	208.9E6	309.3E6	50.266	46.428
5) MB Aldrin	5.235	4.312	202.6E6	293.6E6	47.114	47.295
6) B beta-BHC	4.490	3.977f	87108897	135.0E6	48.261m	47.858
7) B delta-BHC	4.736	4.210	160.2E6	251.9E6	40.146	38.908
8) B Heptachlo...	5.654	4.812	189.7E6	271.0E6	49.186	47.455m
9) A Endosulfan I	6.035	5.185f	167.1E6	252.8E6	46.460	45.700
10) B gamma-Chl...	5.908	5.066	183.5E6	288.6E6	48.217	49.085
11) B alpha-Chl...	5.988	5.130	182.1E6	278.9E6	47.241	47.281
12) B 4,4'-DDE	6.159	5.318	153.2E6	259.7E6	47.710	47.098
13) MA Dieldrin	6.306	5.447	173.2E6	273.1E6	46.675m	46.234m
14) MA Endrin	6.533	5.722	141.3E6	244.2E6	46.694m	45.174m
15) B Endosulfa...	6.747	6.015	151.6E6	233.5E6	47.344	45.460
16) A 4,4'-DDD	6.667	5.869	122.2E6	219.5E6	48.330	46.644m
17) MA 4,4'-DDT	6.981	6.123	127.8E6	218.5E6	44.573	43.188
18) B Endrin al...	6.876	6.193	107.2E6	175.2E6	49.963	48.195
19) B Endosulfa...	7.109	6.415	124.7E6	218.4E6	43.410	42.938m
20) A Methoxychlor	7.454	6.694	63968004	117.5E6	43.564	42.887m
21) B Endrin ke...	7.589	6.920	134.9E6	241.9E6	44.857	43.440m
22) Mirex	8.066	7.111	109.9E6	188.6E6	44.326m	43.258

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:01
Operator : AR\AJ
Sample : PB169314BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

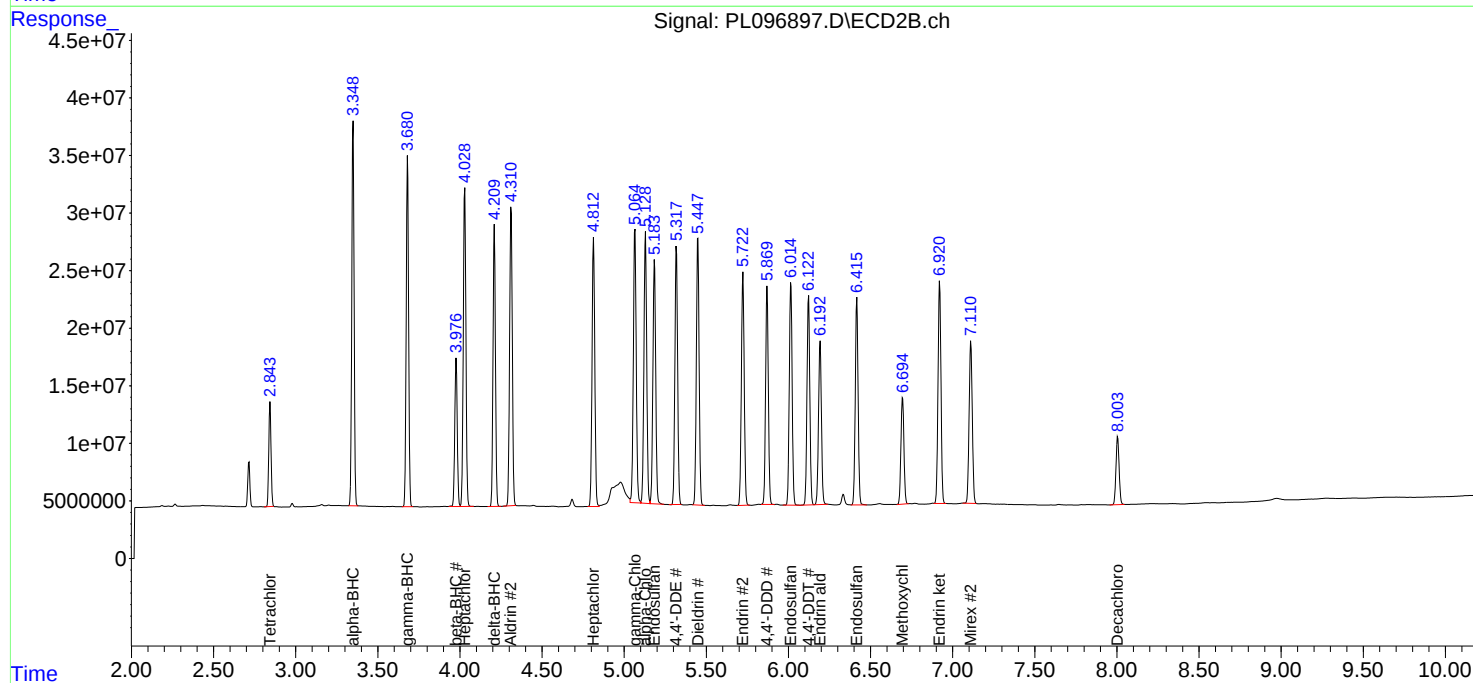
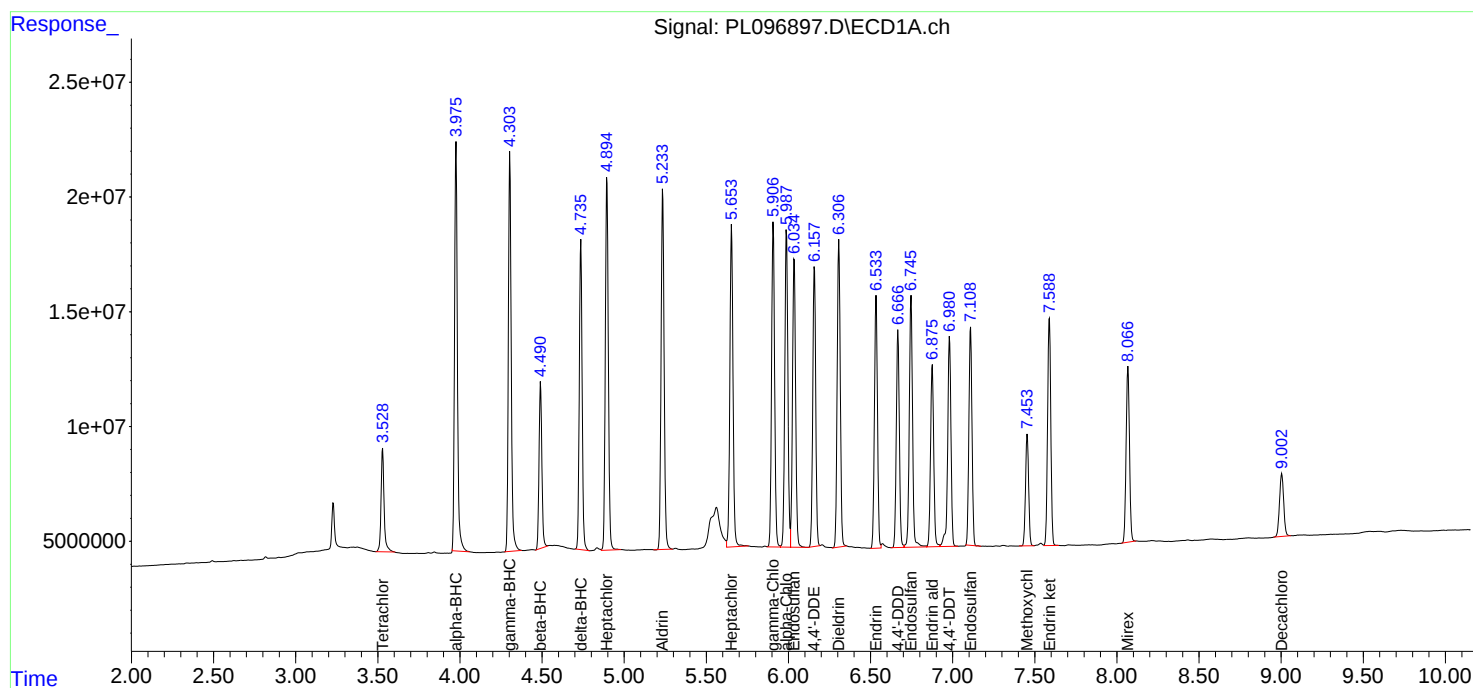
Instrument :
ECD_L
ClientSampleId :
PB169314BS

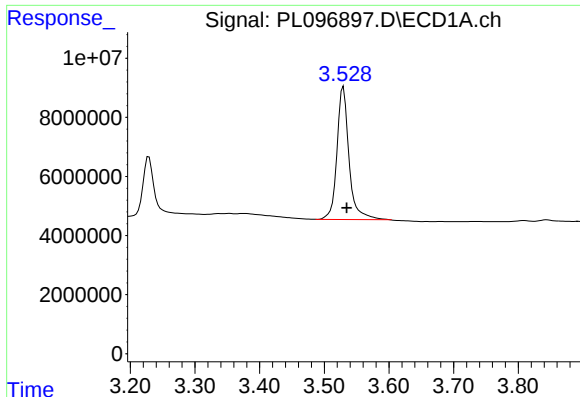
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:38:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 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





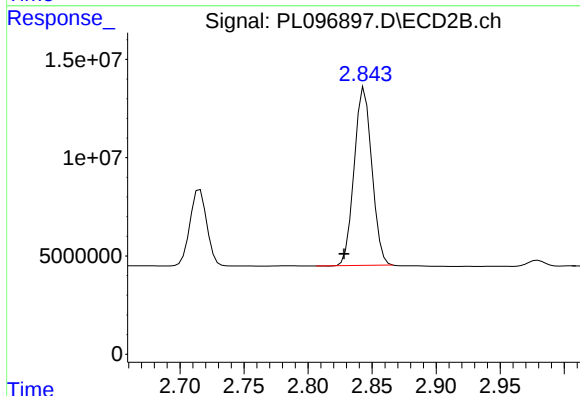
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: -0.007 min
Response: 58202909
Conc: 18.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

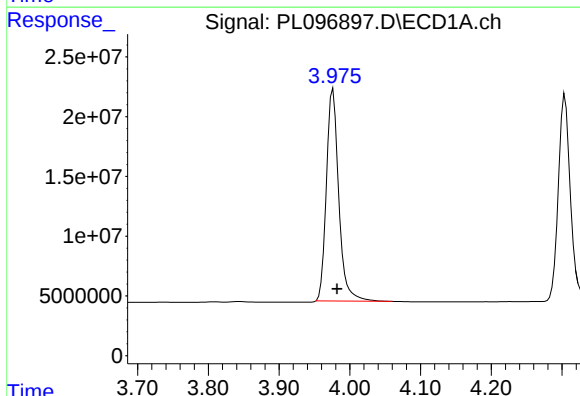
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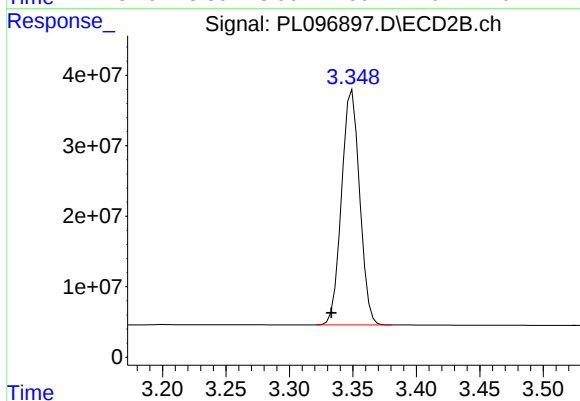
#1 Tetrachloro-m-xylene

R.T.: 2.844 min
Delta R.T.: 0.016 min
Response: 87065437
Conc: 18.22 ng/ml



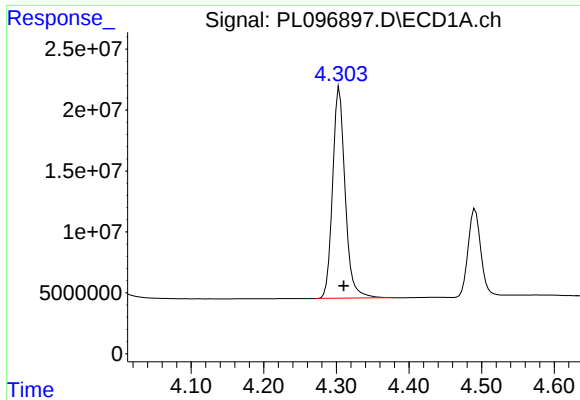
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 215516167
Conc: 46.58 ng/ml



#2 alpha-BHC

R.T.: 3.348 min
Delta R.T.: 0.015 min
Response: 330833742
Conc: 46.75 ng/ml m



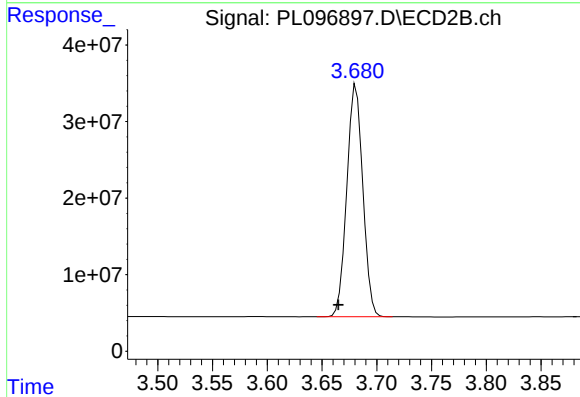
#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 207732942
Conc: 46.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

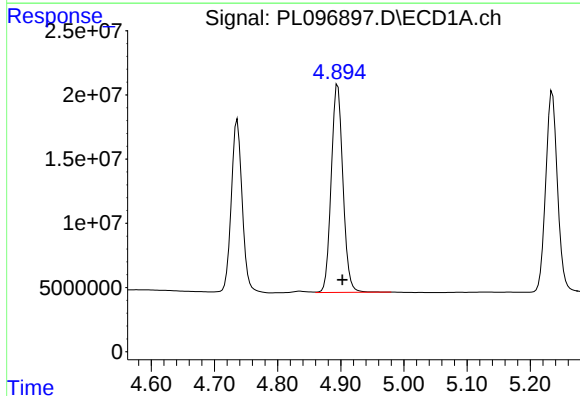
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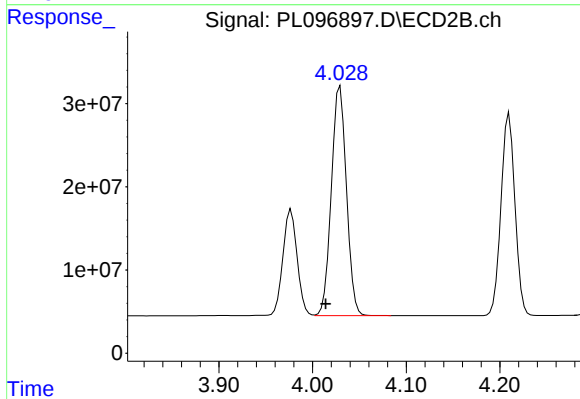
#3 gamma-BHC (Lindane)

R.T.: 3.680 min
Delta R.T.: 0.015 min
Response: 309173099
Conc: 46.82 ng/ml m



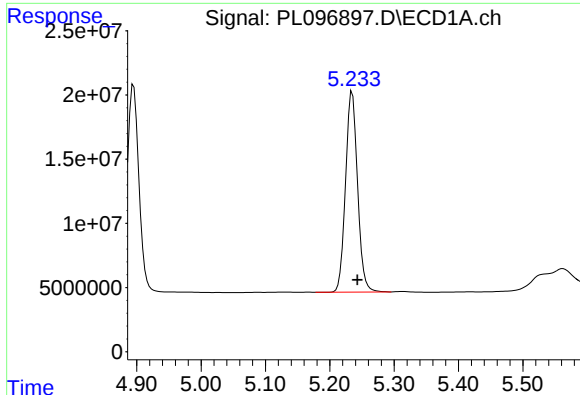
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: -0.008 min
Response: 208887856
Conc: 50.27 ng/ml



#4 Heptachlor

R.T.: 4.029 min
Delta R.T.: 0.015 min
Response: 309299940
Conc: 46.43 ng/ml



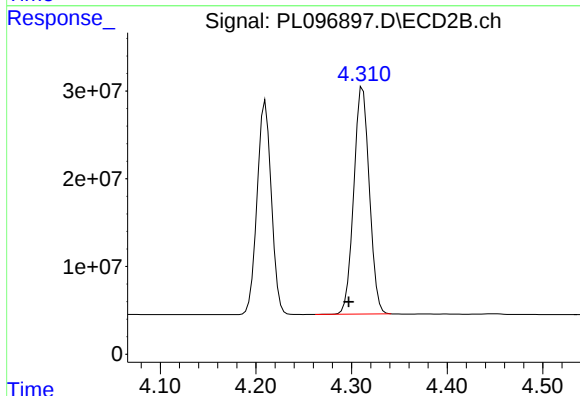
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: -0.008 min
Response: 202639016
Conc: 47.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

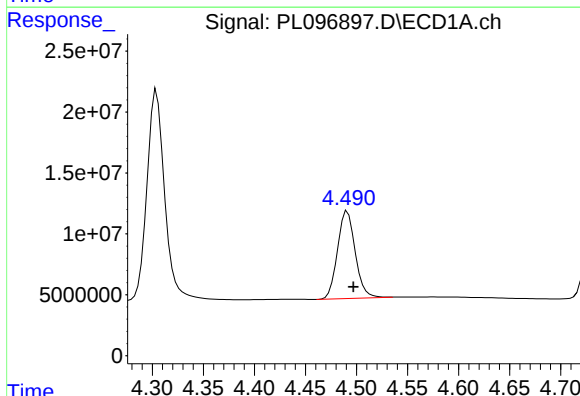
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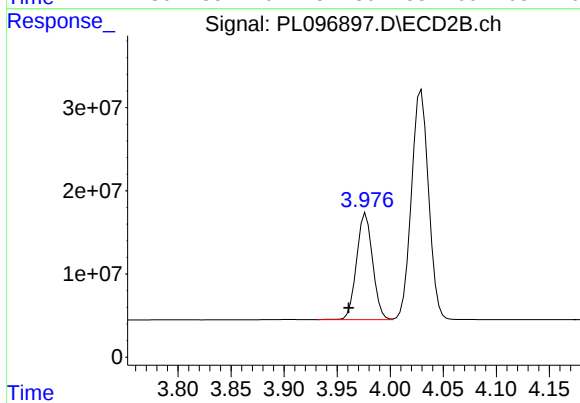
#5 Aldrin

R.T.: 4.312 min
Delta R.T.: 0.015 min
Response: 293560730
Conc: 47.29 ng/ml



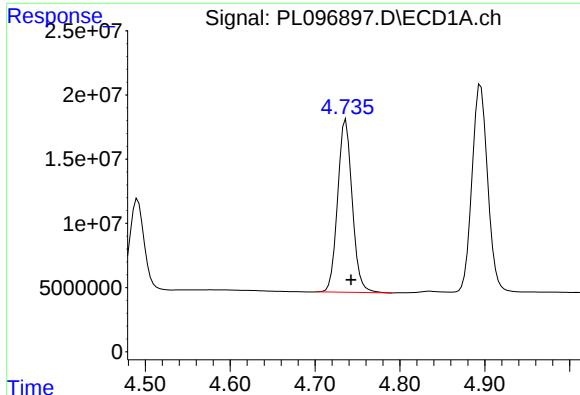
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 87108897
Conc: 48.26 ng/ml m



#6 beta-BHC

R.T.: 3.977 min
Delta R.T.: 0.016 min
Response: 135002472
Conc: 47.86 ng/ml



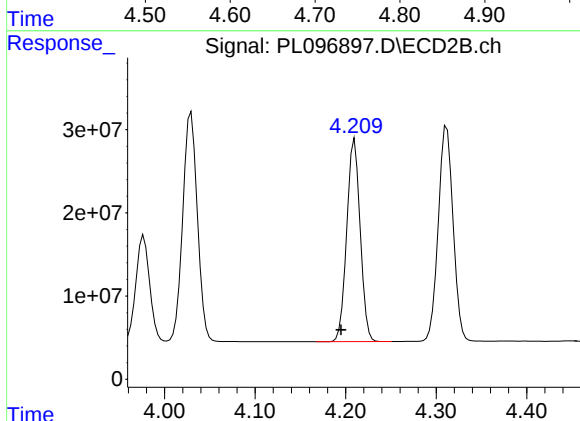
#7 delta-BHC

R.T.: 4.736 min
Delta R.T.: -0.006 min
Response: 160178155
Conc: 40.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

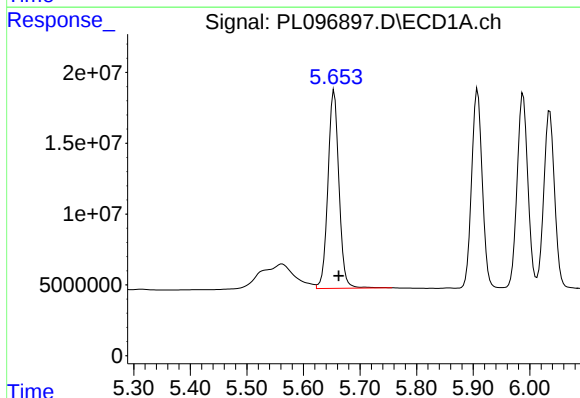
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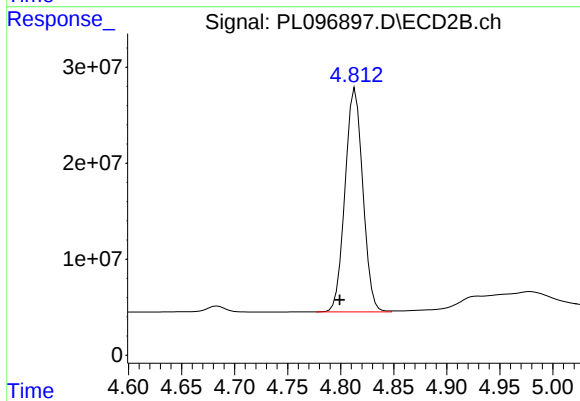
#7 delta-BHC

R.T.: 4.210 min
Delta R.T.: 0.015 min
Response: 251874767
Conc: 38.91 ng/ml



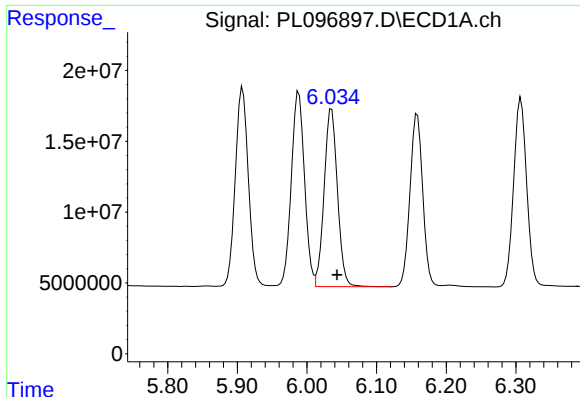
#8 Heptachlor epoxide

R.T.: 5.654 min
Delta R.T.: -0.008 min
Response: 189687412
Conc: 49.19 ng/ml



#8 Heptachlor epoxide

R.T.: 4.812 min
Delta R.T.: 0.013 min
Response: 271031484
Conc: 47.45 ng/ml m



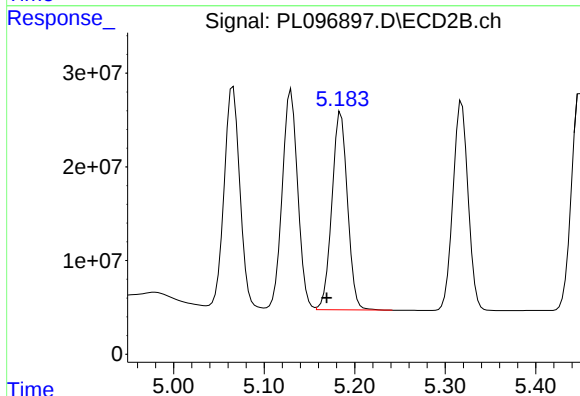
#9 Endosulfan I

R.T.: 6.035 min
Delta R.T.: -0.008 min
Response: 167088494
Conc: 46.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

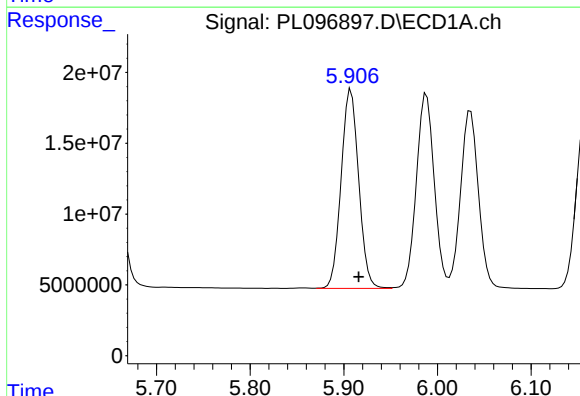
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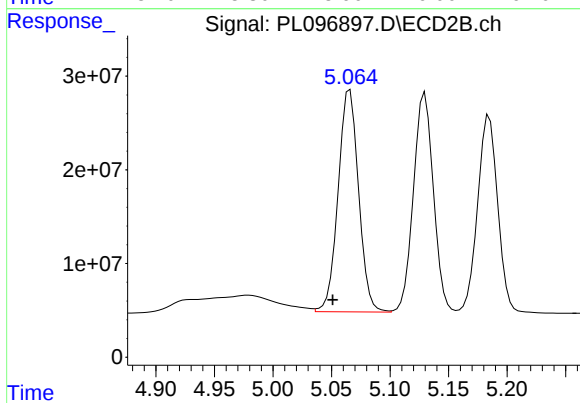
#9 Endosulfan I

R.T.: 5.185 min
Delta R.T.: 0.016 min
Response: 252786076
Conc: 45.70 ng/ml



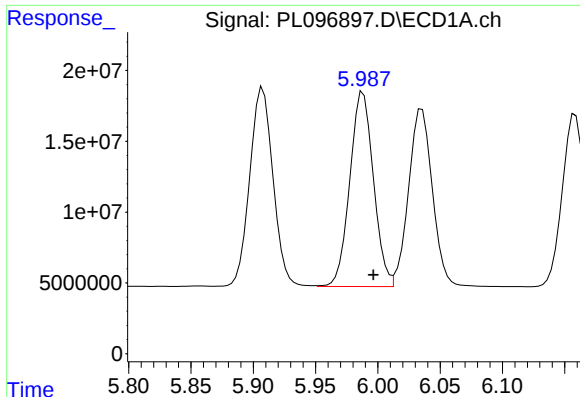
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 183475236
Conc: 48.22 ng/ml



#10 gamma-Chlordane

R.T.: 5.066 min
Delta R.T.: 0.015 min
Response: 288627553
Conc: 49.09 ng/ml



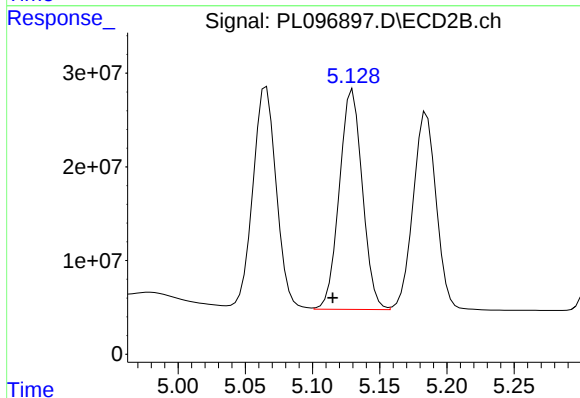
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.008 min
Response: 182099195
Conc: 47.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

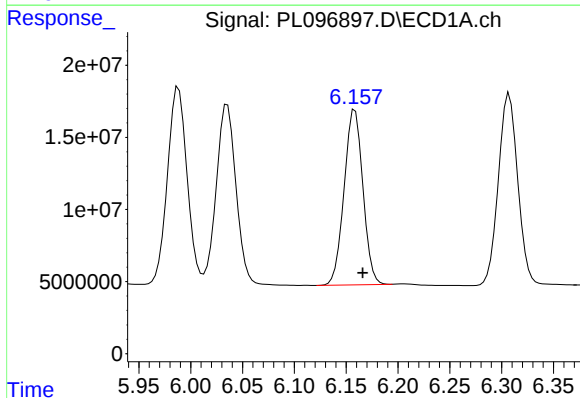
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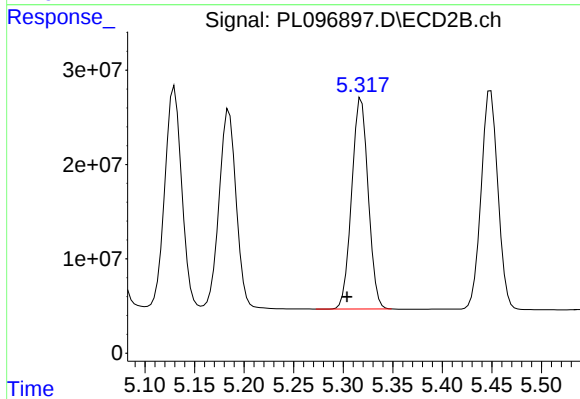
#11 alpha-Chlordane

R.T.: 5.130 min
Delta R.T.: 0.015 min
Response: 278908494
Conc: 47.28 ng/ml



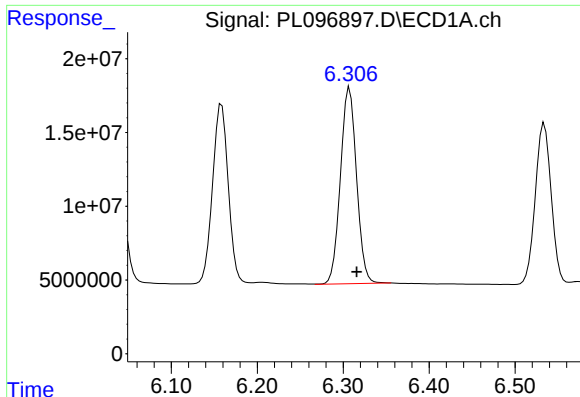
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.008 min
Response: 153208692
Conc: 47.71 ng/ml



#12 4,4'-DDE

R.T.: 5.318 min
Delta R.T.: 0.014 min
Response: 259715581
Conc: 47.10 ng/ml



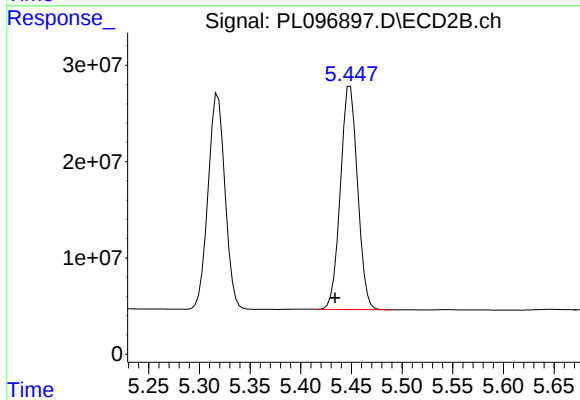
#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: -0.010 min
Response: 173216152
Conc: 46.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

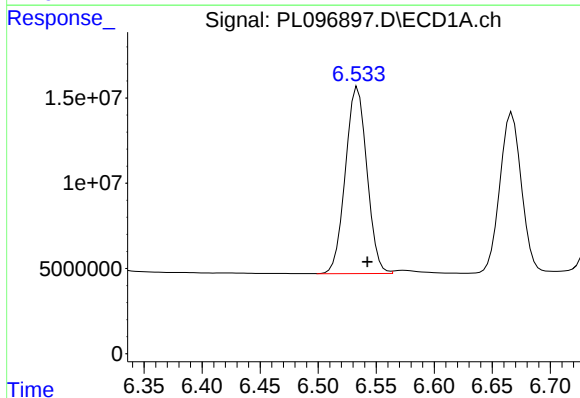
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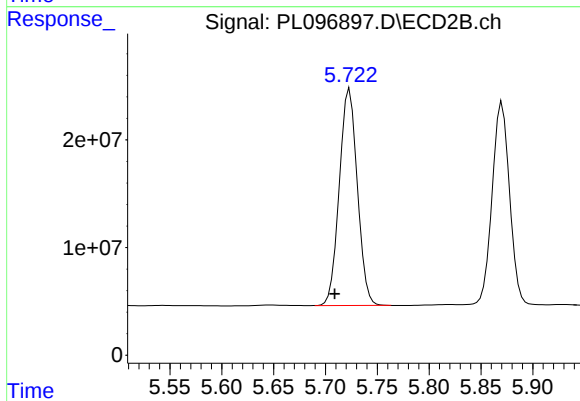
#13 Dieldrin

R.T.: 5.447 min
Delta R.T.: 0.013 min
Response: 273084834
Conc: 46.23 ng/ml m



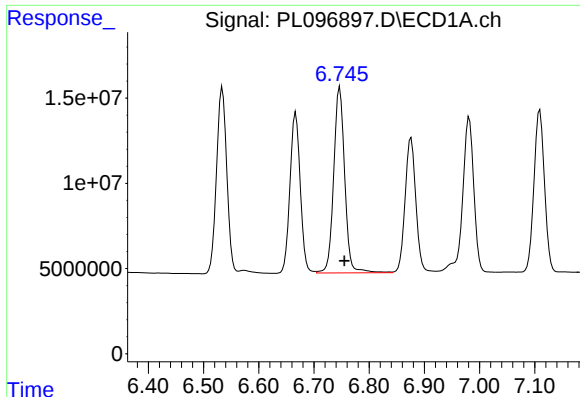
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.010 min
Response: 141333635
Conc: 46.69 ng/ml m



#14 Endrin

R.T.: 5.722 min
Delta R.T.: 0.013 min
Response: 244210570
Conc: 45.17 ng/ml m



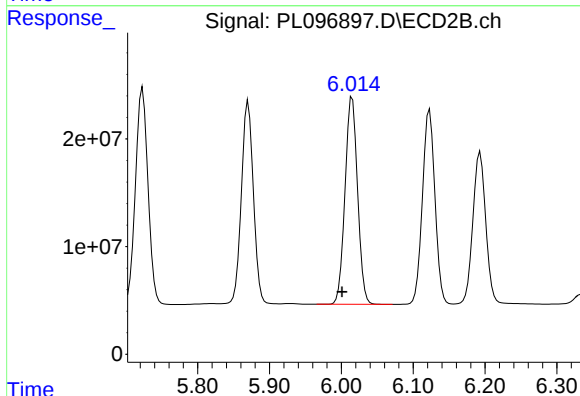
#15 Endosulfan II

R.T.: 6.747 min
Delta R.T.: -0.008 min
Response: 151626838
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

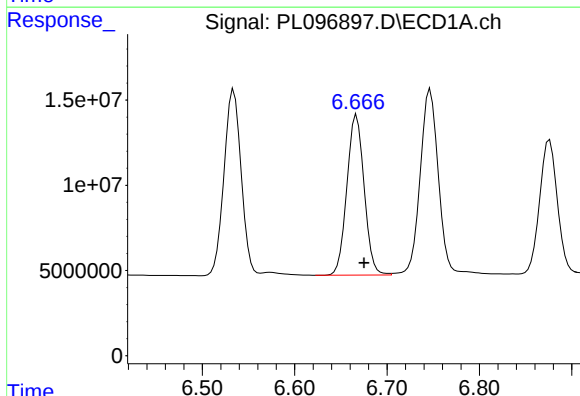
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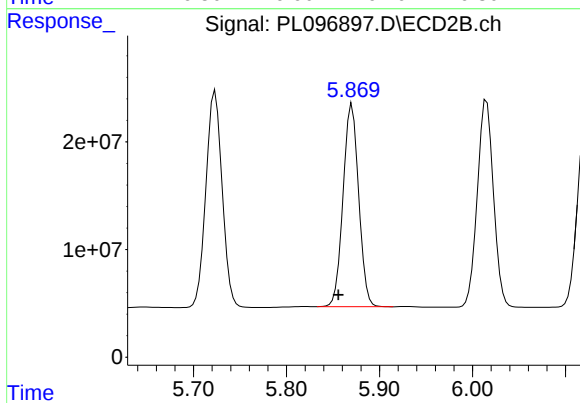
#15 Endosulfan II

R.T.: 6.015 min
Delta R.T.: 0.014 min
Response: 233493502
Conc: 45.46 ng/ml



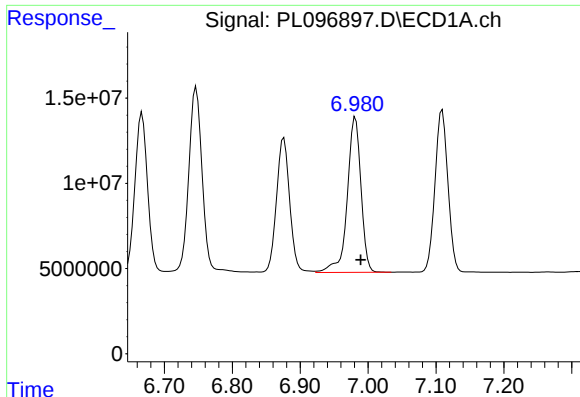
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 122196875
Conc: 48.33 ng/ml



#16 4,4'-DDD

R.T.: 5.869 min
Delta R.T.: 0.013 min
Response: 219474067
Conc: 46.64 ng/ml m



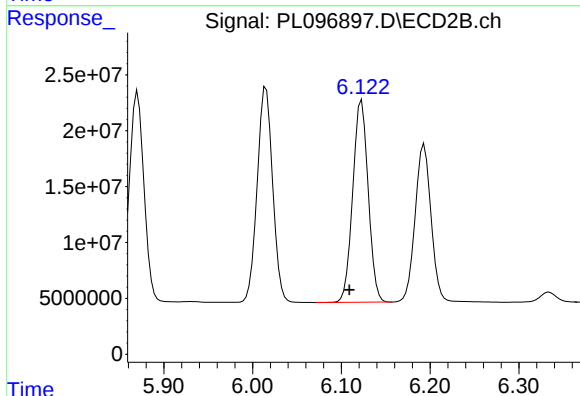
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 127821112
Conc: 44.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

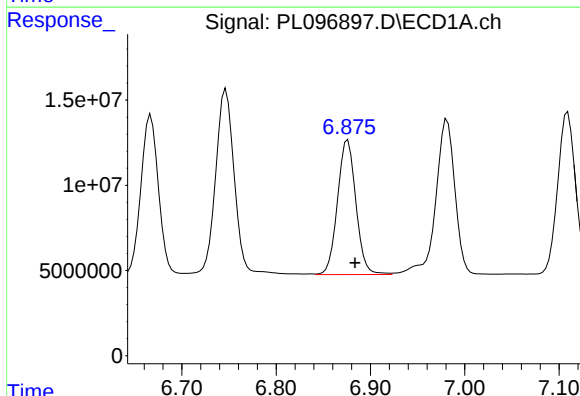
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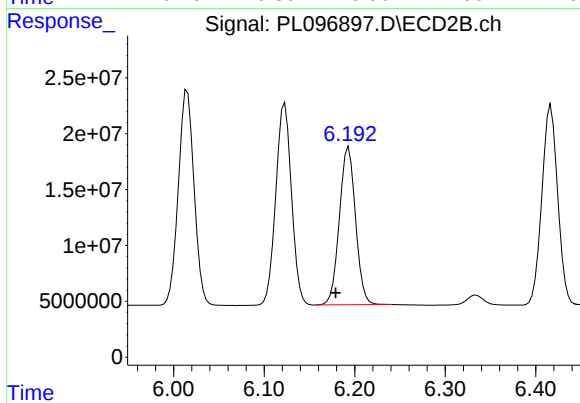
#17 4,4'-DDT

R.T.: 6.123 min
Delta R.T.: 0.014 min
Response: 218456874
Conc: 43.19 ng/ml



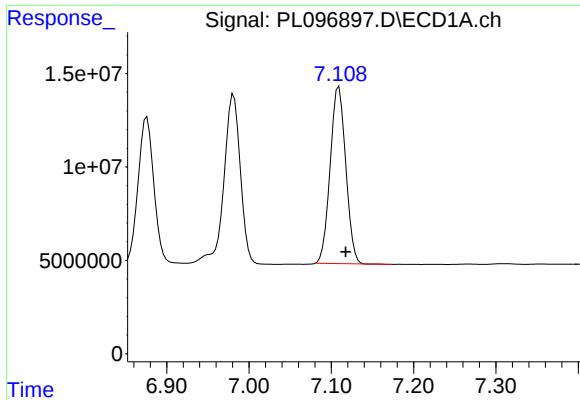
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 107215735
Conc: 49.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.193 min
Delta R.T.: 0.014 min
Response: 175189797
Conc: 48.19 ng/ml



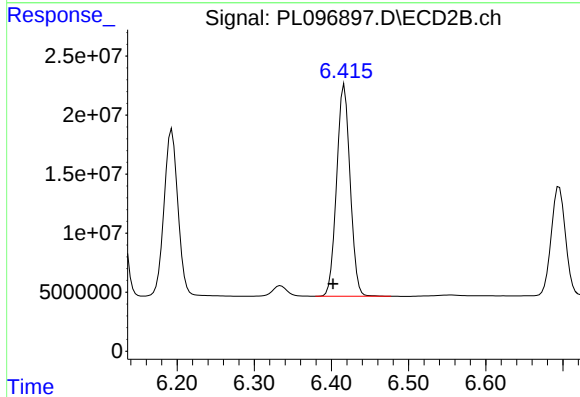
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 124748321
Conc: 43.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

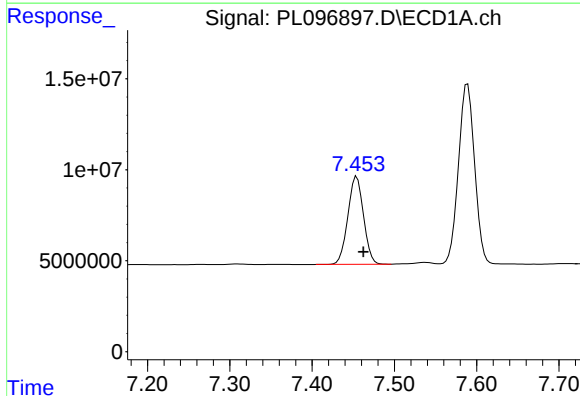
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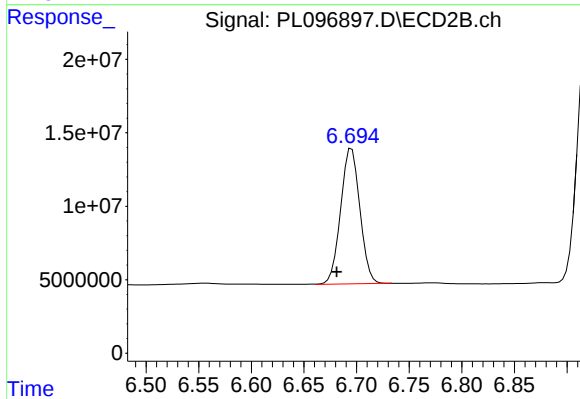
#19 Endosulfan Sulfate

R.T.: 6.415 min
Delta R.T.: 0.013 min
Response: 218393599
Conc: 42.94 ng/ml m



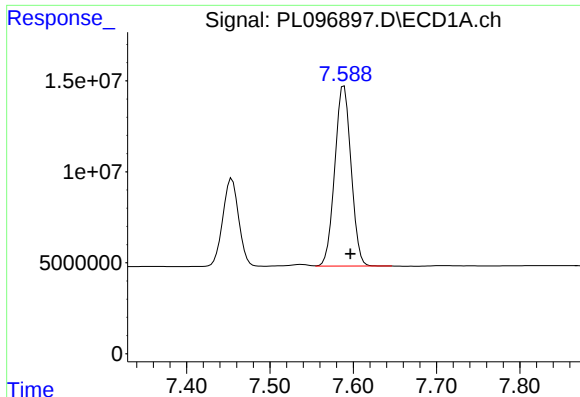
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 63968004
Conc: 43.56 ng/ml



#20 Methoxychlor

R.T.: 6.694 min
Delta R.T.: 0.013 min
Response: 117530911
Conc: 42.89 ng/ml m



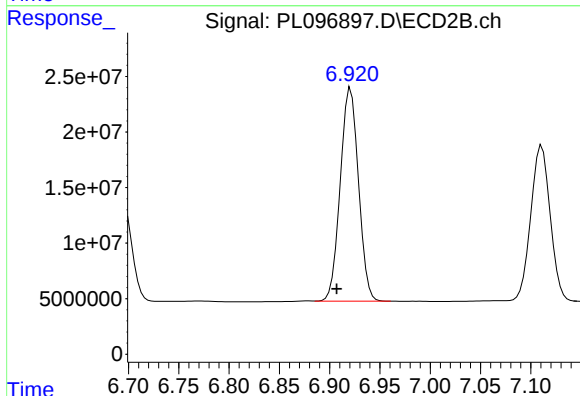
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 134872613
Conc: 44.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

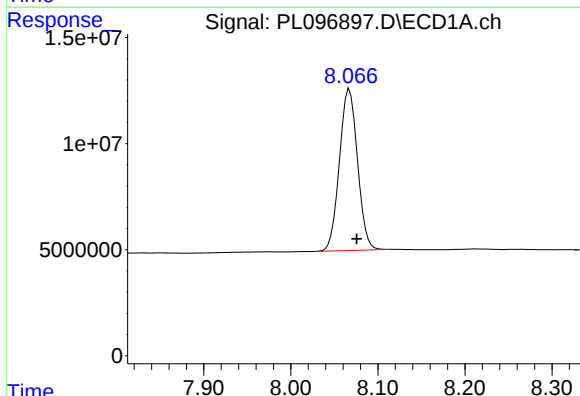
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



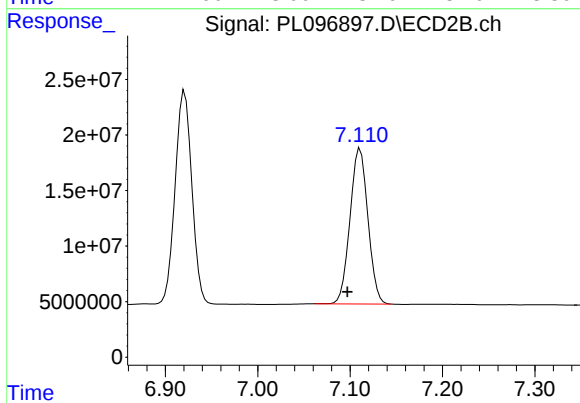
#21 Endrin ketone

R.T.: 6.920 min
Delta R.T.: 0.013 min
Response: 241949756
Conc: 43.44 ng/ml m



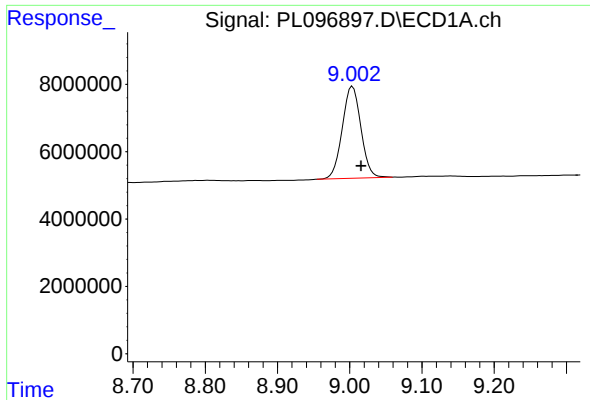
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 1099900447
Conc: 44.33 ng/ml m



#22 Mirex

R.T.: 7.111 min
Delta R.T.: 0.014 min
Response: 188641071
Conc: 43.26 ng/ml



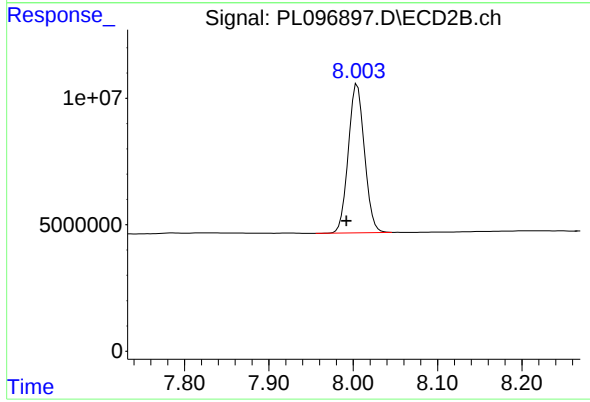
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 48645881
Conc: 20.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169314BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 8.005 min
Delta R.T.: 0.013 min
Response: 78334167
Conc: 18.06 ng/ml