

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:53
 Operator : AR\AJ
 Sample : PB169283BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169283BS

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 01:37:43 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...	3.530	2.826	58810125	91631731	18.489	19.179
28)	SA Decachlor...	9.004	7.986	48391353	70243715	20.293	16.191
Target Compounds							
2)	A alpha-BHC	3.976	3.331	235.5E6	359.4E6	50.909m	50.782
3)	MA gamma-BHC...	4.303	3.663	220.8E6	331.3E6	49.913m	50.170
4)	MA Heptachlor	4.896	4.011	214.3E6	321.8E6	51.577	48.305
5)	MB Aldrin	5.234	4.293	206.5E6	301.3E6	48.002m	48.549
6)	B beta-BHC	4.490	3.959	90500058	138.0E6	50.139m	48.907
7)	B delta-BHC	4.737	4.192	203.4E6	316.9E6	50.991	48.960
8)	B Heptachlo...	5.655	4.795	190.6E6	267.4E6	49.429	46.822
9)	A Endosulfan I	6.037	5.166	168.3E6	242.0E6	46.811	43.744
10)	B gamma-Chl...	5.908	5.047	186.4E6	274.2E6	48.987	46.630
11)	B alpha-Chl...	5.989	5.111	183.7E6	267.6E6	47.667	45.373
12)	B 4,4'-DDE	6.159	5.299	154.3E6	250.8E6	48.053	45.484
13)	MA Dieldrin	6.307	5.430	173.7E6	265.1E6	46.810m	44.891
14)	MA Endrin	6.533	5.705	143.7E6	233.4E6	47.480m	43.171
15)	B Endosulfa...	6.748	5.996	147.2E6	219.6E6	45.952	42.751
16)	A 4,4'-DDD	6.667	5.852	123.6E6	204.3E6	48.881	43.412
17)	MA 4,4'-DDT	6.982	6.104	129.1E6	207.2E6	45.035	40.962
18)	B Endrin al...	6.876	6.175	104.9E6	162.8E6	48.900	44.794
19)	B Endosulfa...	7.109	6.398	127.7E6	206.4E6	44.442	40.571
20)	A Methoxychlor	7.454	6.676	65349344	109.3E6	44.505	39.874
21)	B Endrin ke...	7.589	6.902	135.2E6	218.0E6	44.953	39.137
22)	Mirex	8.066	7.092	112.6E6	171.9E6	45.411m	39.417

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:53
Operator : AR\AJ
Sample : PB169283BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

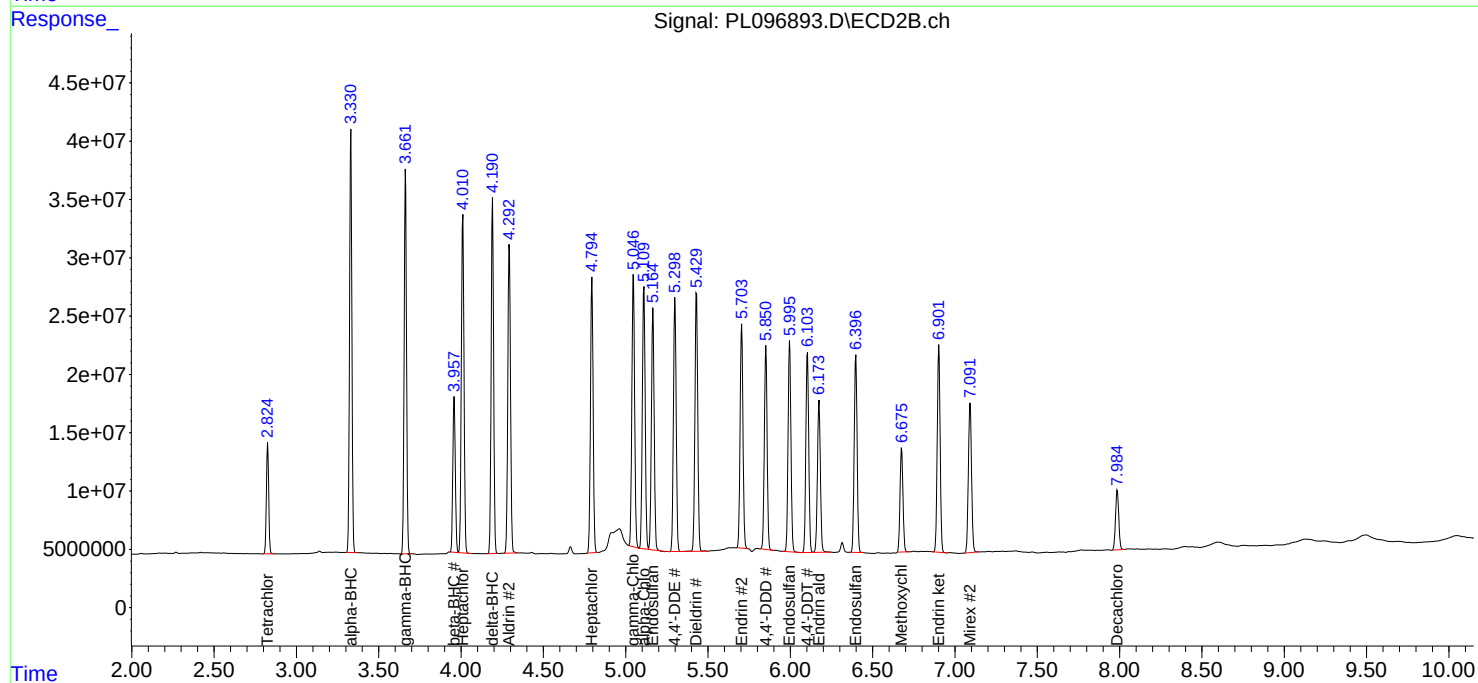
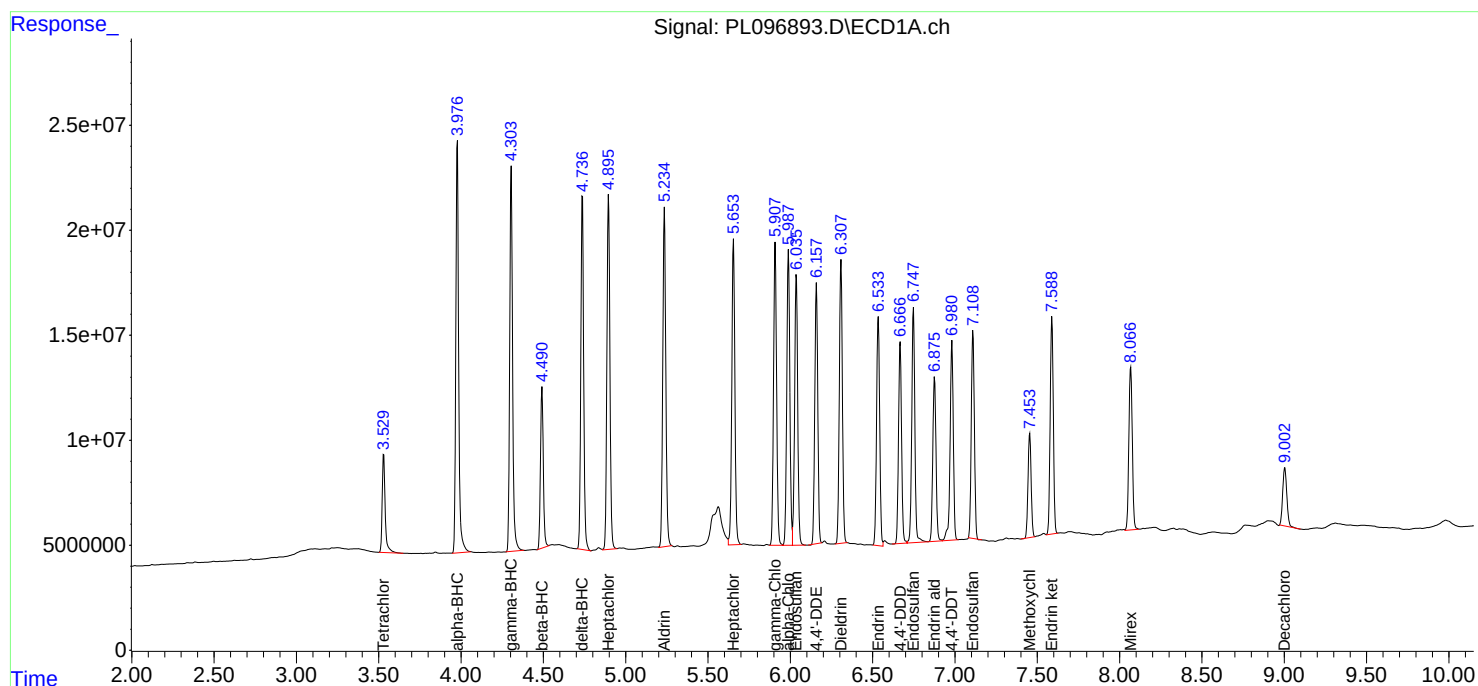
Instrument :
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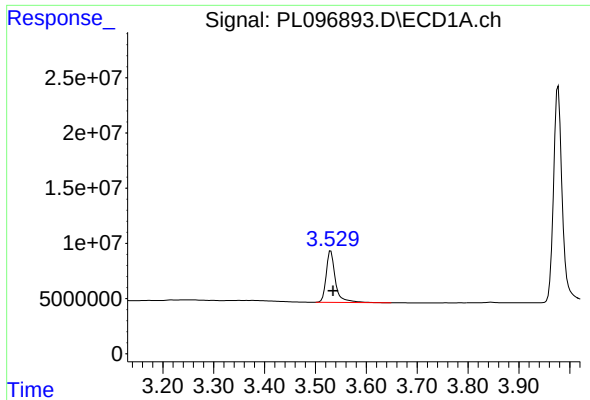
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:43 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
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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





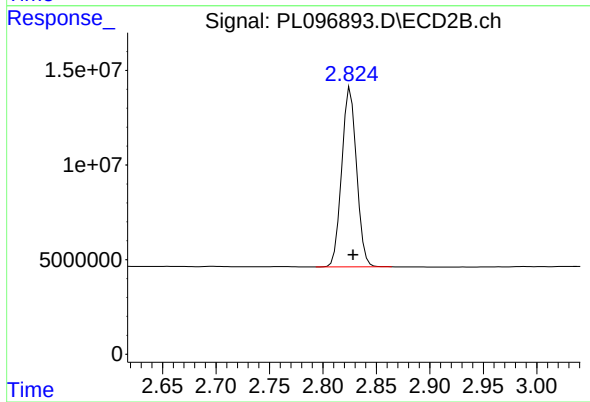
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 58810125
Conc: 18.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

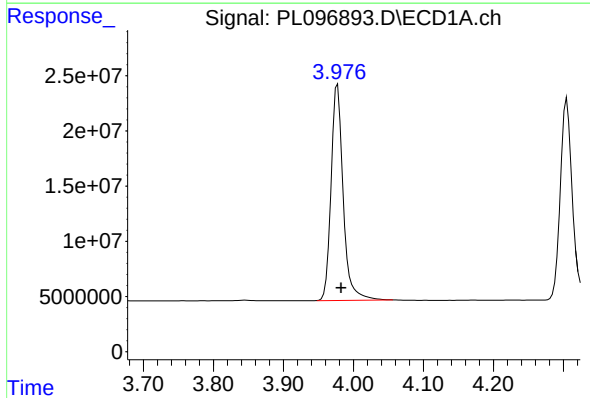
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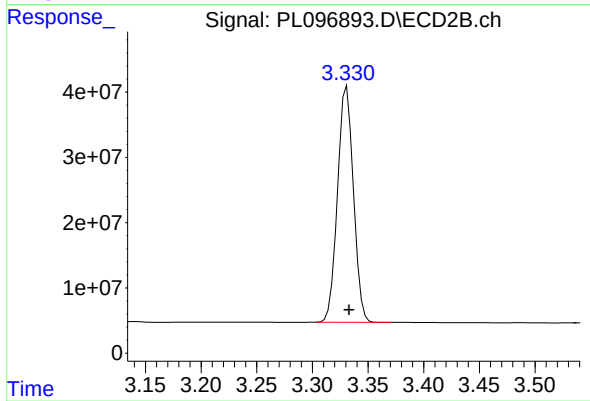
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91631731
Conc: 19.18 ng/ml



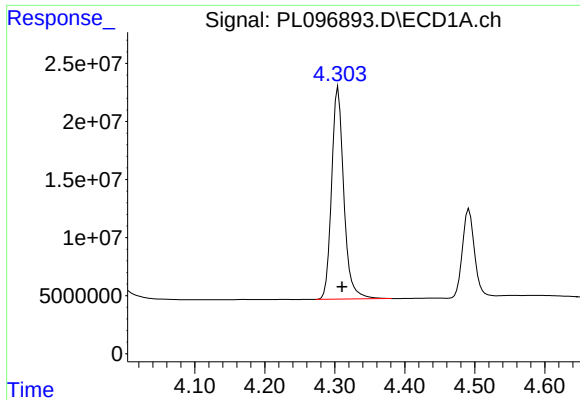
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 235522940
Conc: 50.91 ng/ml m



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 359386141
Conc: 50.78 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 220786623
Conc: 49.91 ng/ml

Instrument :

ECD_L

ClientSampleId :

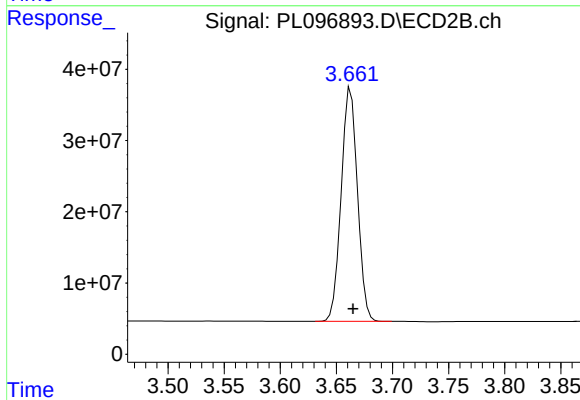
PB169283BS

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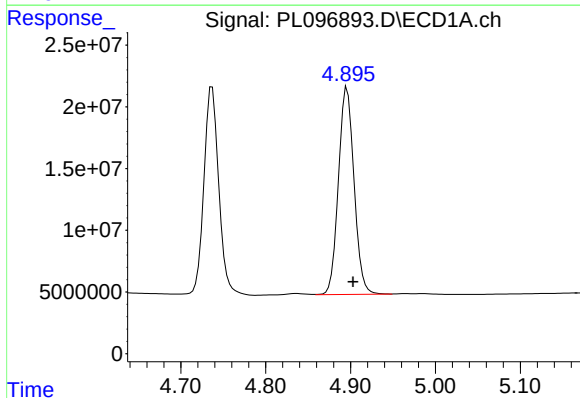
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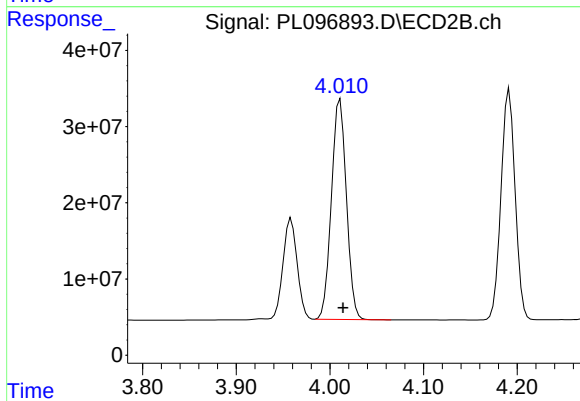
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 331288580
Conc: 50.17 ng/ml



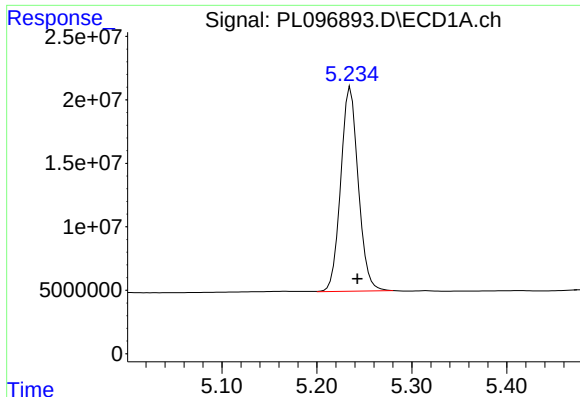
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 214337811
Conc: 51.58 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 321804994
Conc: 48.30 ng/ml



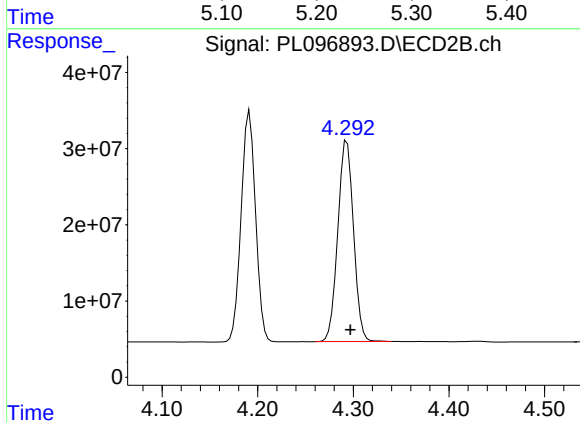
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: -0.009 min
Response: 206458392
Conc: 48.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

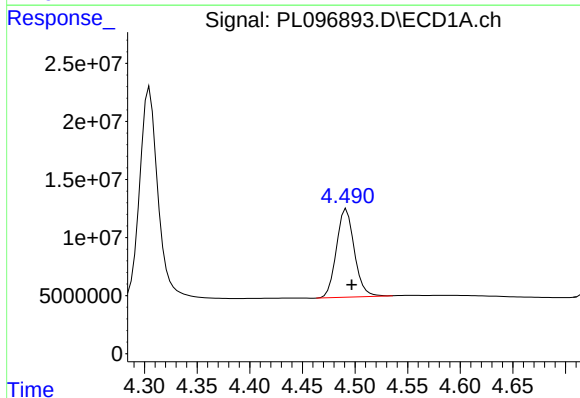
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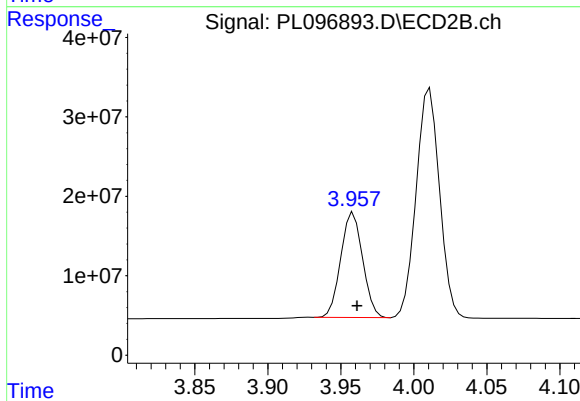
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 301346622
Conc: 48.55 ng/ml



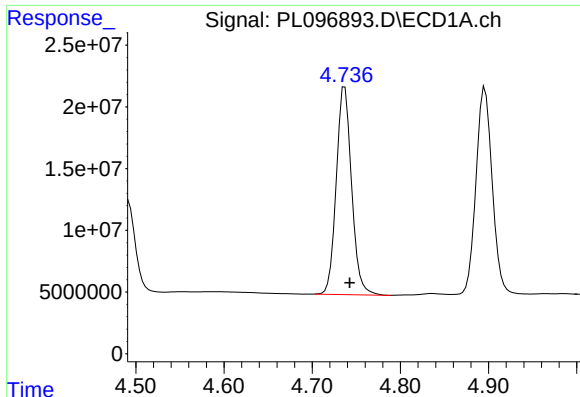
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 90500058
Conc: 50.14 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 137961546
Conc: 48.91 ng/ml



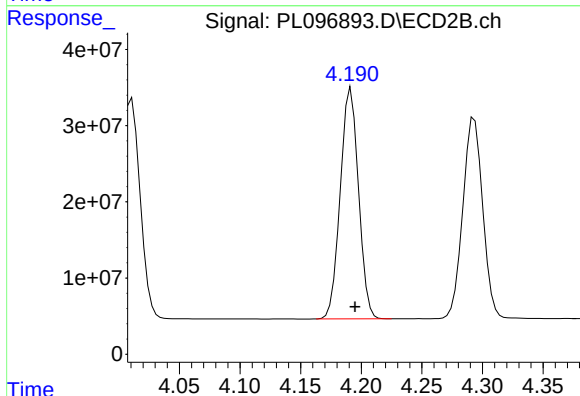
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.006 min
Response: 203446170
Conc: 50.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

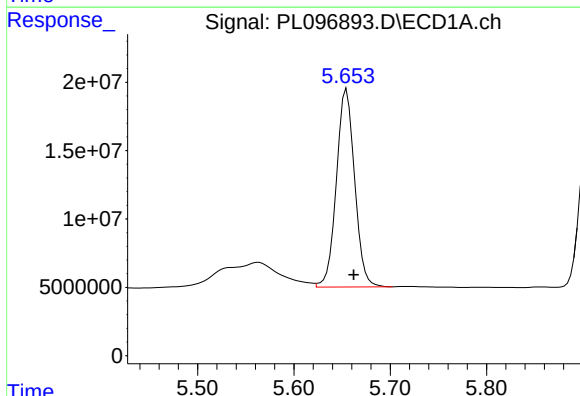
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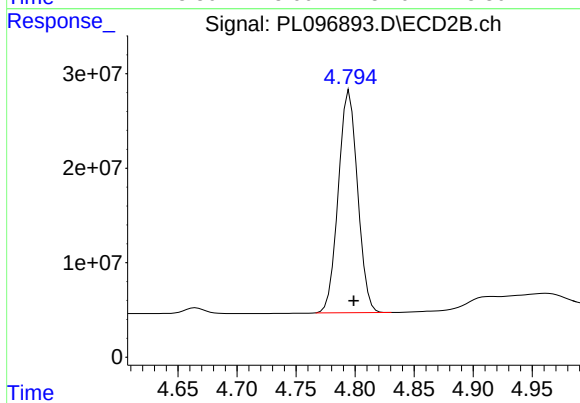
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 316947039
Conc: 48.96 ng/ml



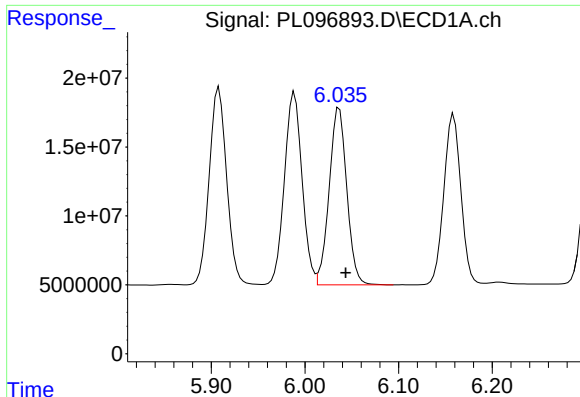
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 190625303
Conc: 49.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 267414307
Conc: 46.82 ng/ml



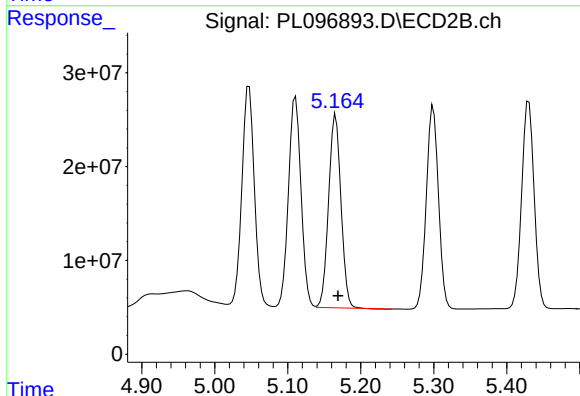
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 168348596
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

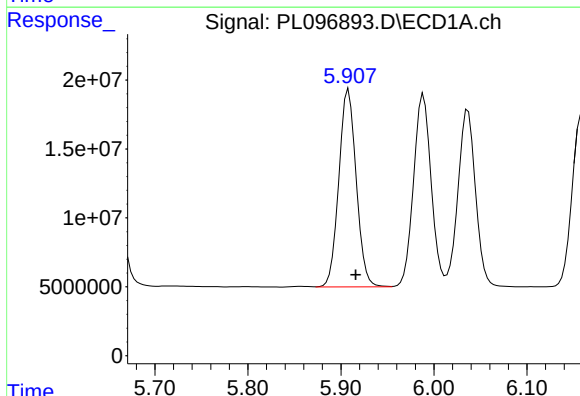
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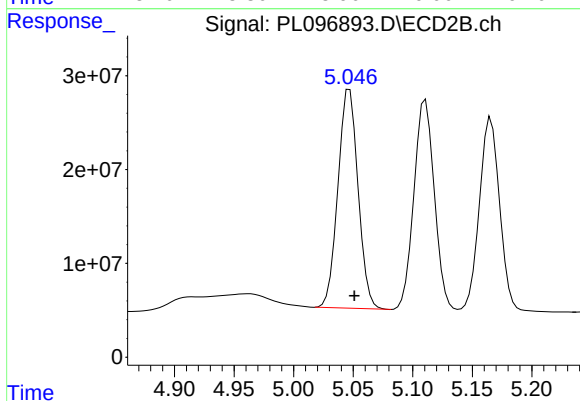
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 241967999
Conc: 43.74 ng/ml



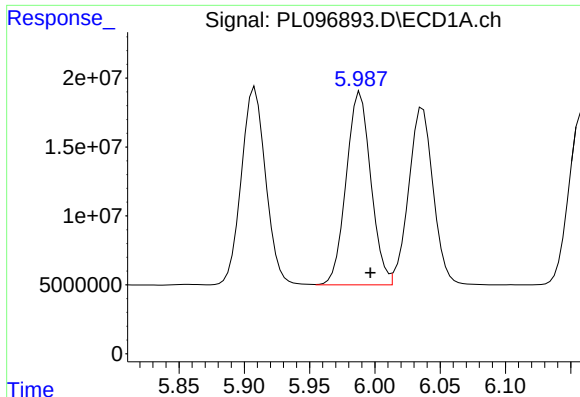
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 186406455
Conc: 48.99 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 274188144
Conc: 46.63 ng/ml



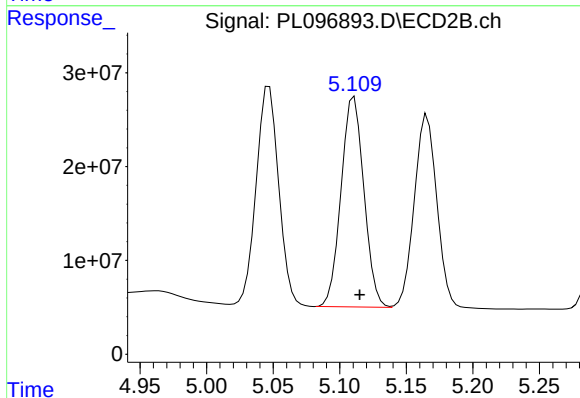
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 183739283
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

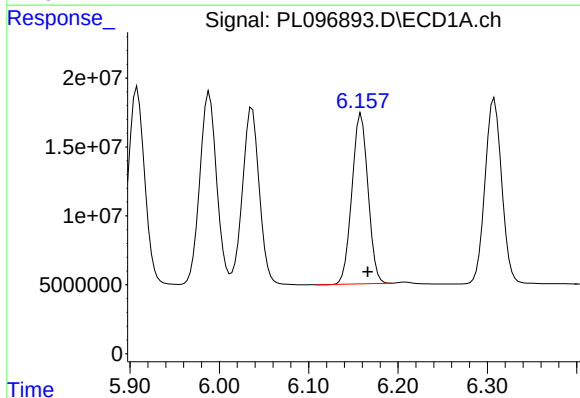
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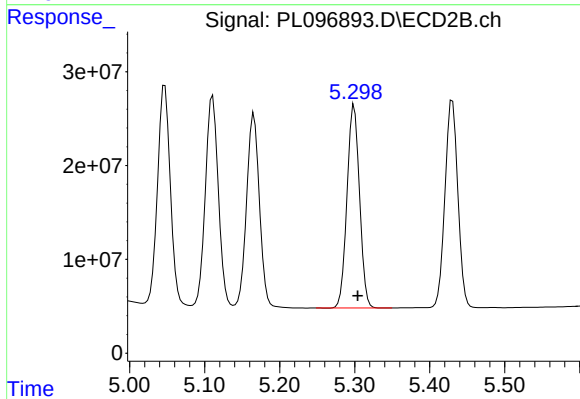
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 267648483
Conc: 45.37 ng/ml



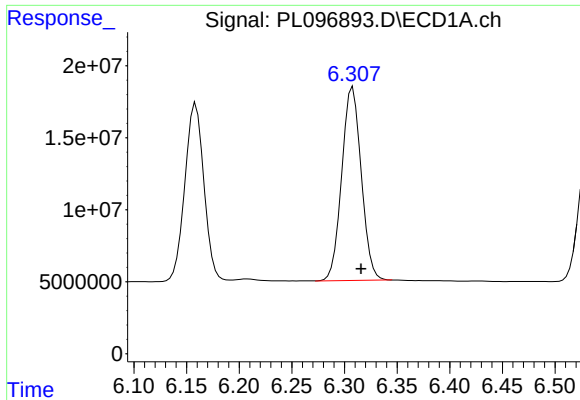
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 154311587
Conc: 48.05 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 250817035
Conc: 45.48 ng/ml



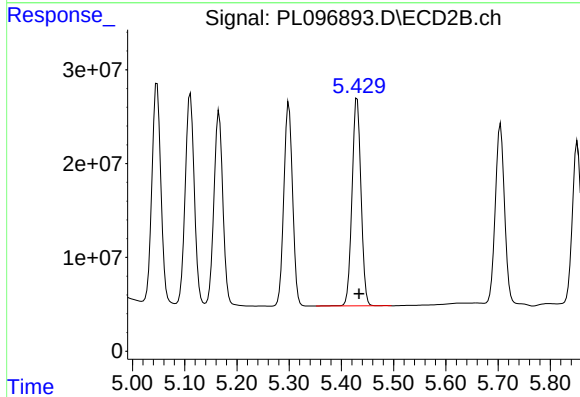
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 173717525
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

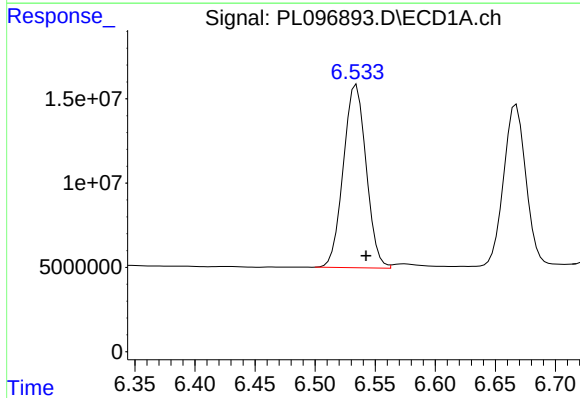
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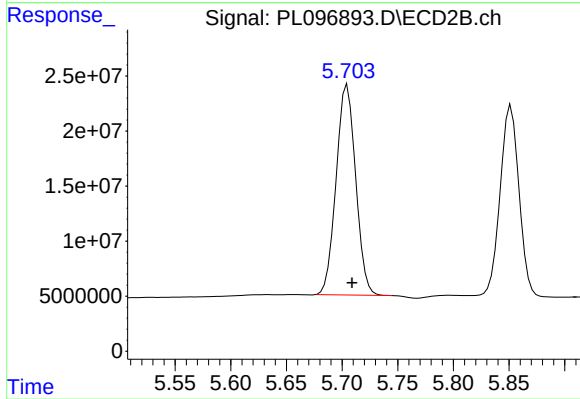
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 265149404
Conc: 44.89 ng/ml



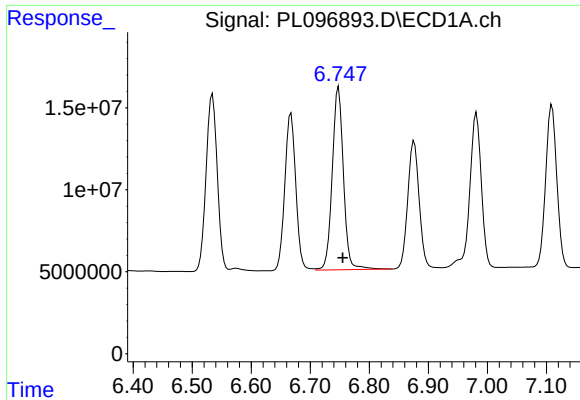
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 143711328
Conc: 47.48 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 233381196
Conc: 43.17 ng/ml



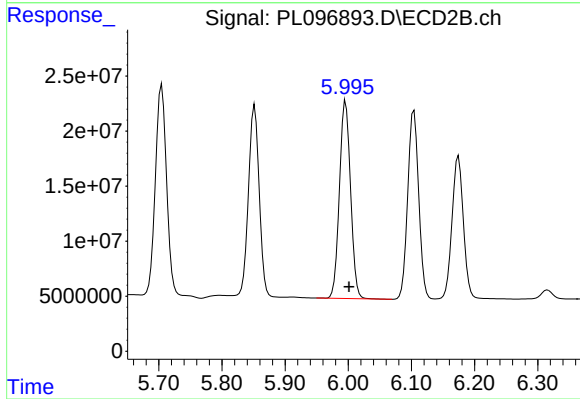
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 147168710
Conc: 45.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

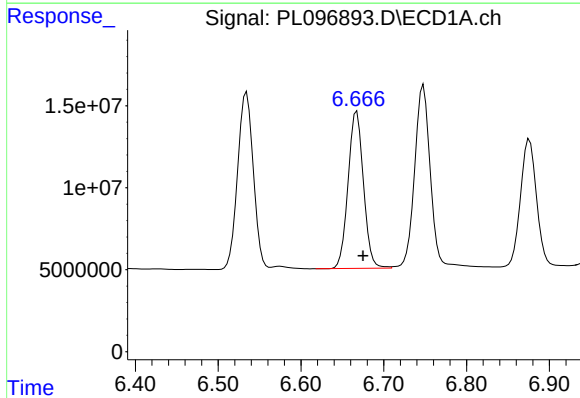
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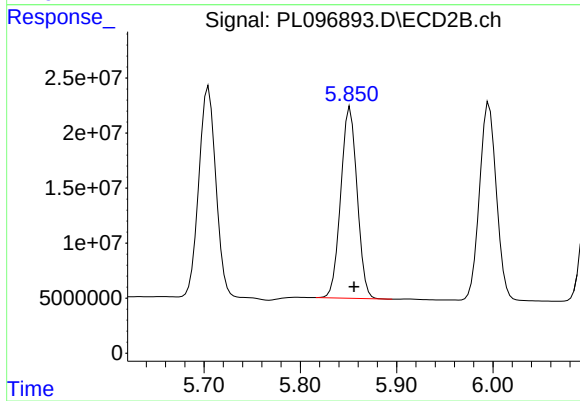
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 219579992
Conc: 42.75 ng/ml



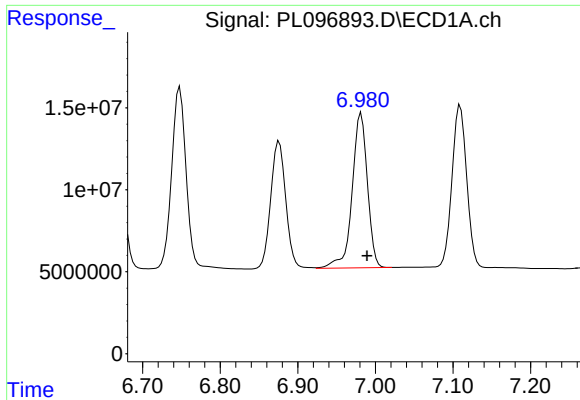
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 123590410
Conc: 48.88 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 204265315
Conc: 43.41 ng/ml



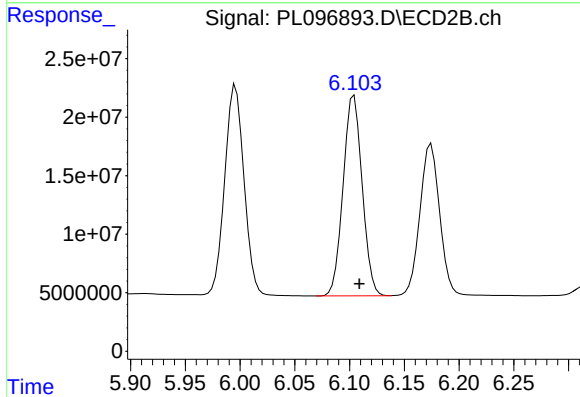
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.008 min
Response: 129146743
Conc: 45.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

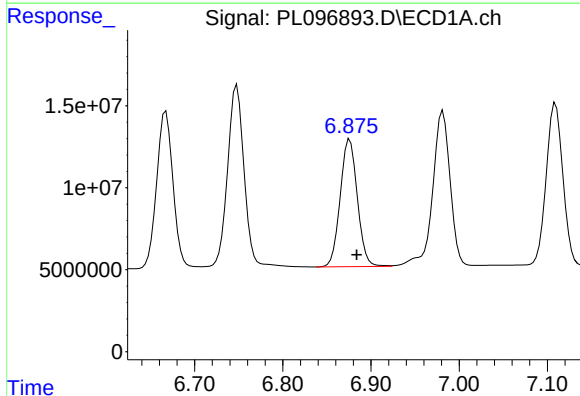
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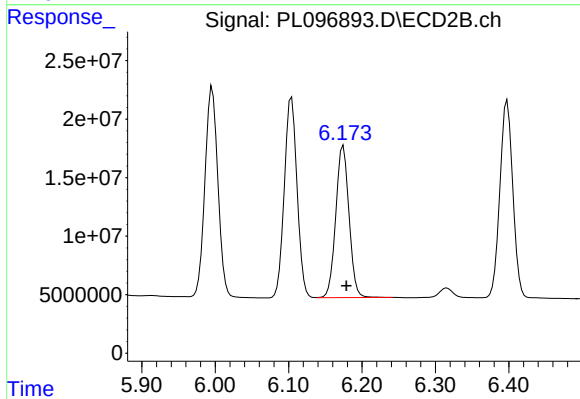
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 207196665
Conc: 40.96 ng/ml



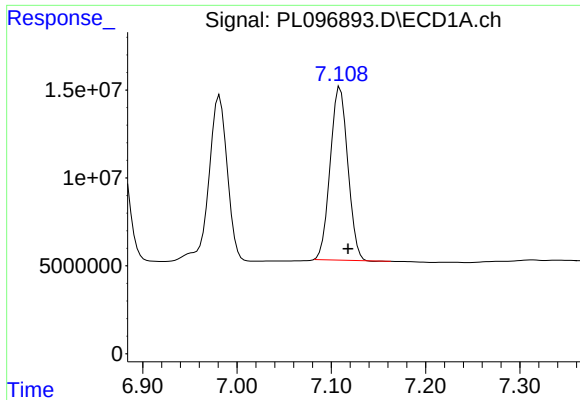
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 104935220
Conc: 48.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 162828269
Conc: 44.79 ng/ml



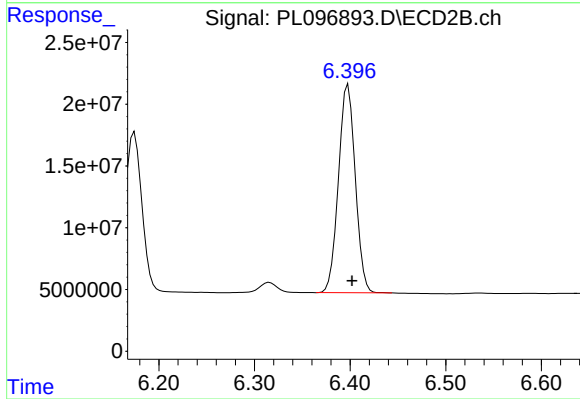
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 127714015
Conc: 44.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

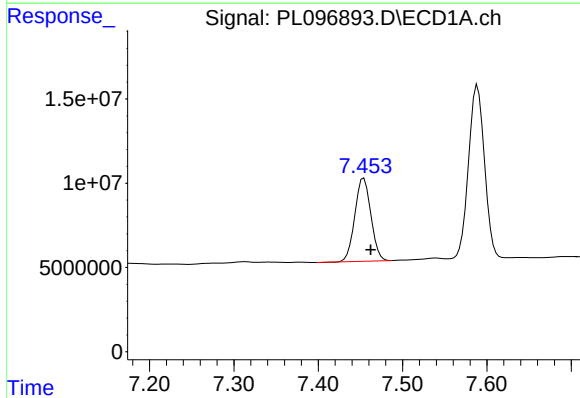
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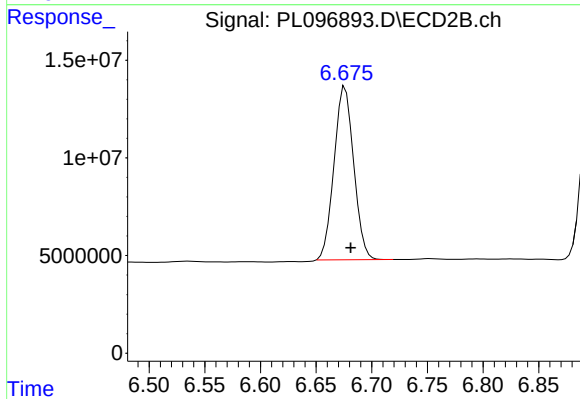
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 206354464
Conc: 40.57 ng/ml



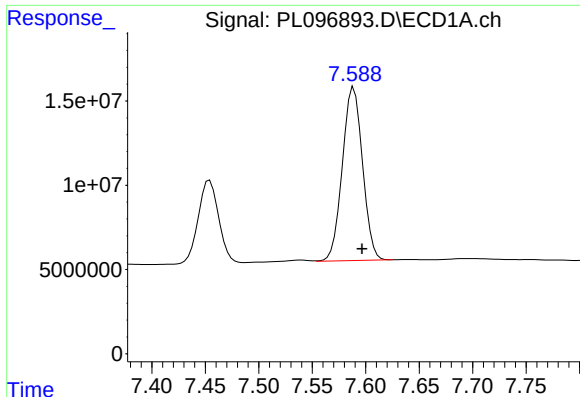
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 65349344
Conc: 44.51 ng/ml



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 109274075
Conc: 39.87 ng/ml



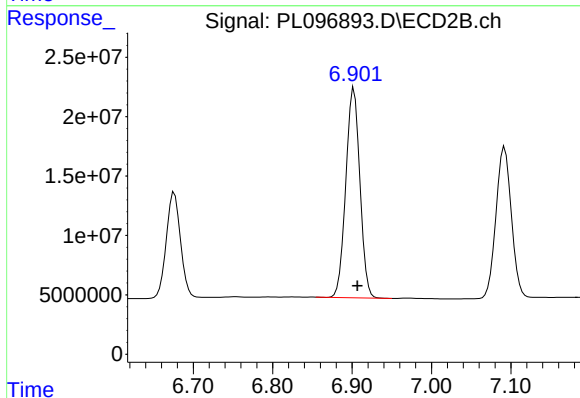
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 135161202
Conc: 44.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

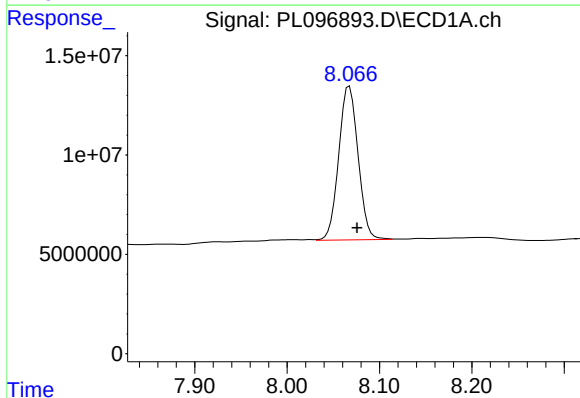
Manual Integrations
APPROVED

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



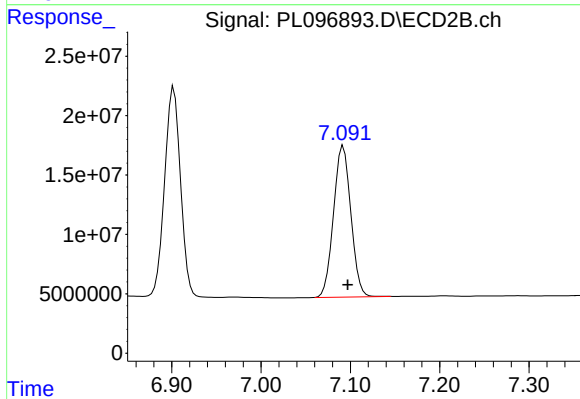
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 217982803
Conc: 39.14 ng/ml



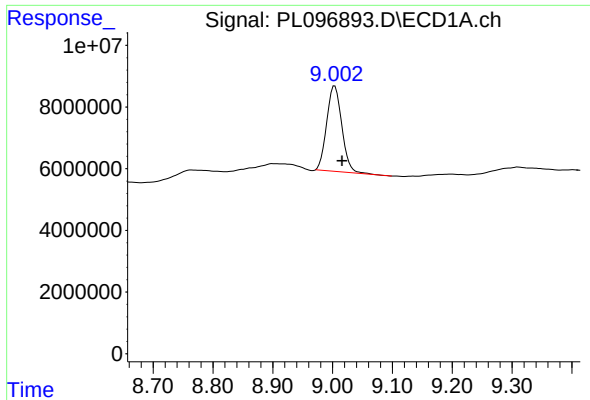
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 112589317
Conc: 45.41 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 171890920
Conc: 39.42 ng/ml



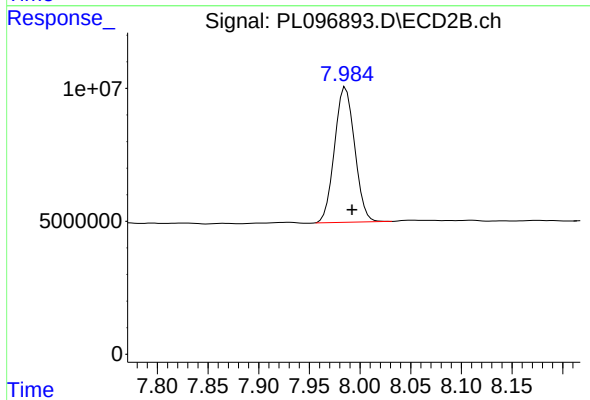
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48391353
Conc: 20.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

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#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 70243715
Conc: 16.19 ng/ml