

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091425\
 Data File : PL097200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Sep 2025 18:10
 Operator : AR\AJ
 Sample : Q3082-05MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-31MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/16/2025
 Supervised By : mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 13 02:11:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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...	3.526	2.824	57796052	82062711	14.655m	14.559
28)	SA Decachlor...	8.998	7.982	32481453	52373407	10.971	10.921
Target Compounds							
2)	A alpha-BHC	3.974	3.328	282.2E6	386.3E6	48.714	47.039
3)	MA gamma-BHC...	4.301	3.660	262.3E6	355.7E6	48.019	48.289
4)	MA Heptachlor	4.892	4.008	249.7E6	330.0E6	46.827	43.864
5)	MB Aldrin	5.230	4.290	250.6E6	330.4E6	47.710m	46.973
6)	B beta-BHC	4.489	3.956	107.2E6	149.2E6	46.867	45.733
7)	B delta-BHC	4.734	4.188	247.2E6	344.4E6	54.924	46.869
8)	B Heptachlo...	5.651	4.792	230.0E6	299.3E6	44.701	47.312
9)	A Endosulfan I	6.032	5.163	205.1E6	271.8E6	47.728	45.366
10)	B gamma-Chl...	5.903	5.043	222.1E6	312.2E6	48.216m	47.220
11)	B alpha-Chl...	5.984	5.108	221.1E6	307.2E6	46.983	47.043
12)	B 4,4'-DDE	6.155	5.296	188.5E6	286.4E6	47.247	46.526
13)	MA Dieldrin	6.304	5.427	211.3E6	312.4E6	46.527	47.668
14)	MA Endrin	6.530	5.701	164.5E6	252.4E6	43.924	42.725
15)	B Endosulfa...	6.744	5.993	189.1E6	259.7E6	42.921	45.415
16)	A 4,4'-DDD	6.663	5.848	171.6E6	243.9E6	54.363	46.701
17)	MA 4,4'-DDT	6.978	6.100	136.0E6	193.7E6	38.836	35.361
18)	B Endrin al...	6.872	6.171	136.8E6	197.0E6	52.587	47.119
19)	B Endosulfa...	7.105	6.394	159.8E6	239.3E6	46.552	42.718
20)	A Methoxychlor	7.449	6.673	63758900	111.5E6	36.738m	37.176
21)	B Endrin ke...	7.583	6.898	174.8E6	264.9E6	49.179m	42.328
22)	Mirex	8.063	7.088	131.5E6	193.9E6	43.958	39.928

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091425\
Data File : PL097200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Sep 2025 18:10
Operator : AR\AJ
Sample : Q3082-05MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

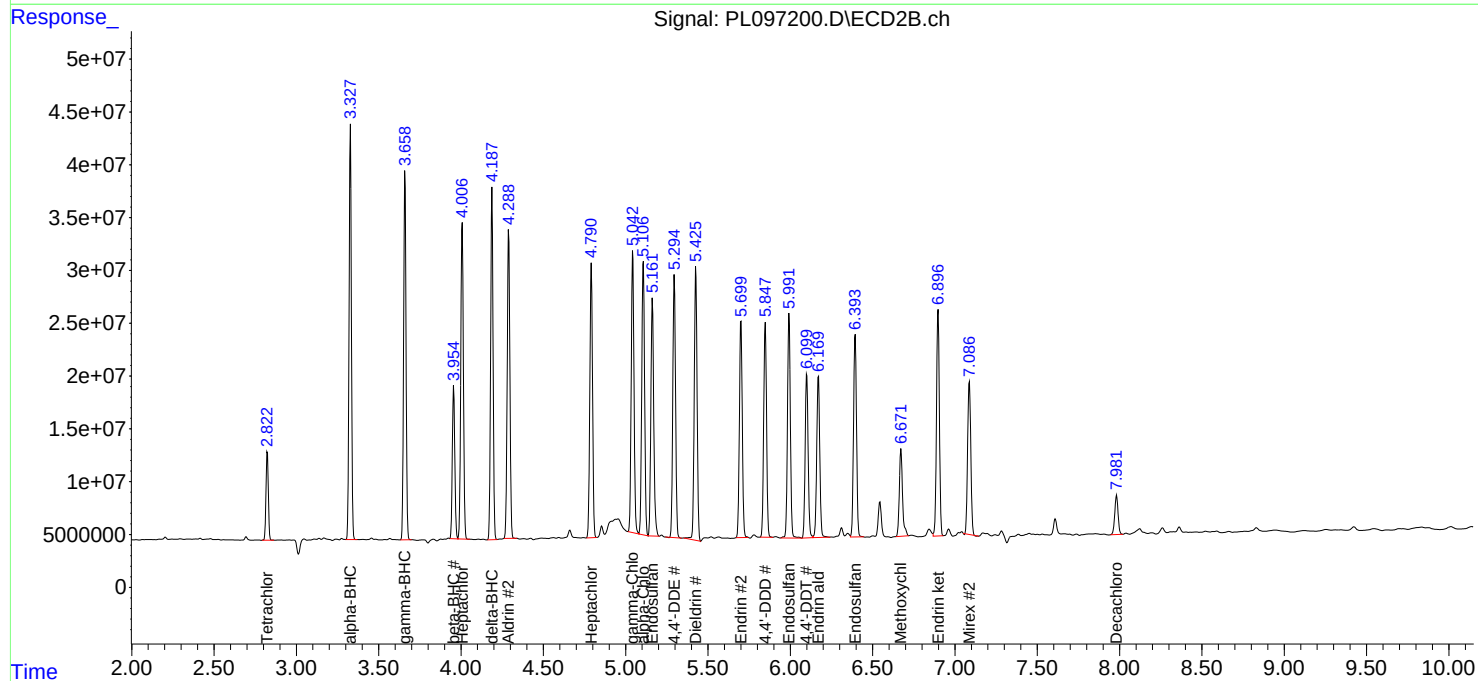
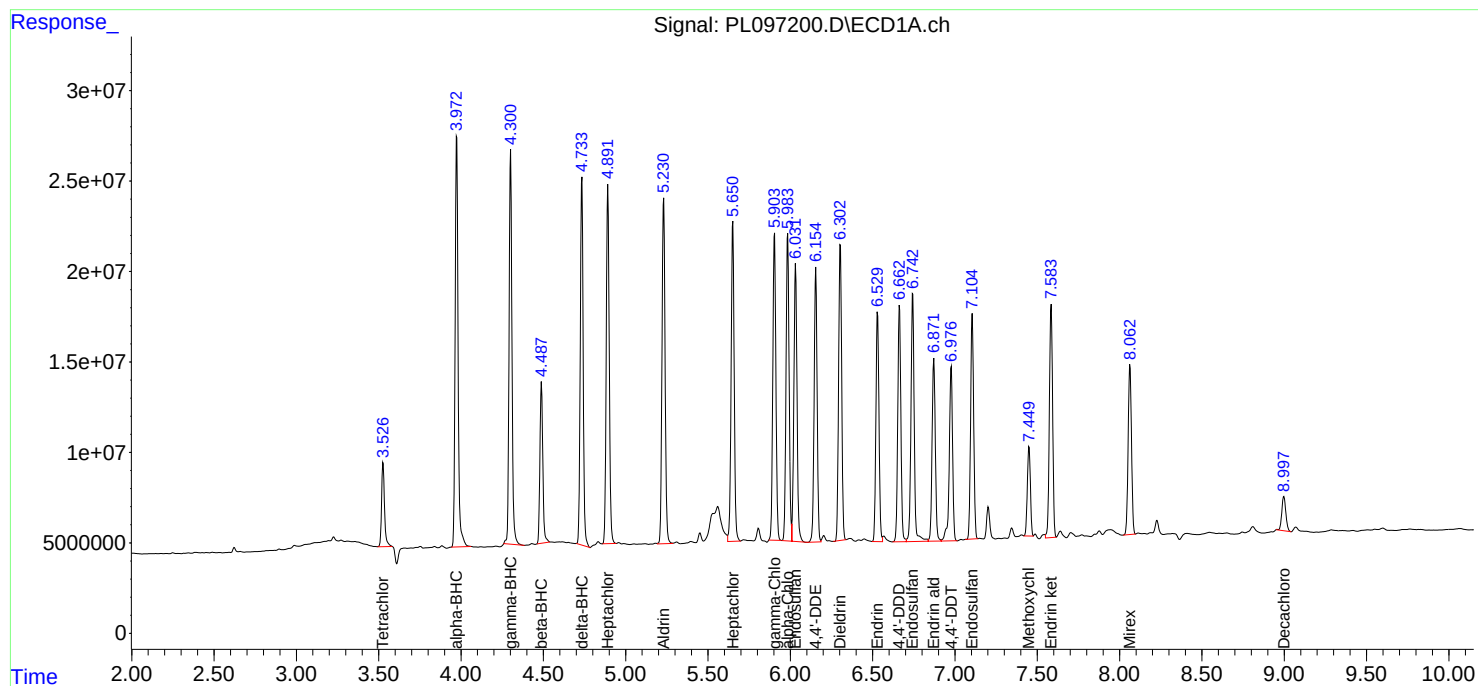
Instrument :
ECD_L
ClientSampleId :
WC-31MS

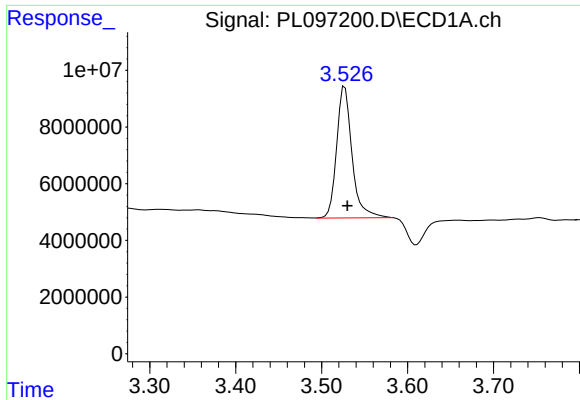
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 02:11:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Aug 21 06:34:01 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





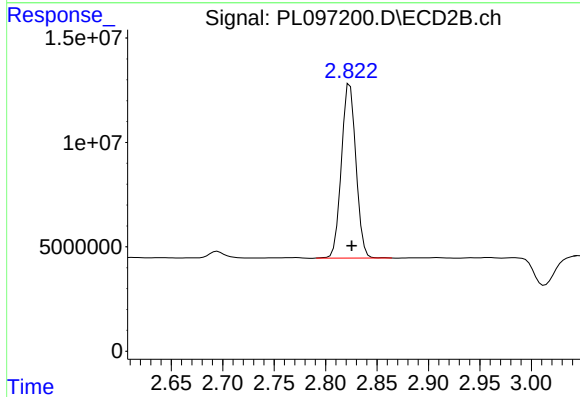
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.004 min
Response: 57796052
Conc: 14.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

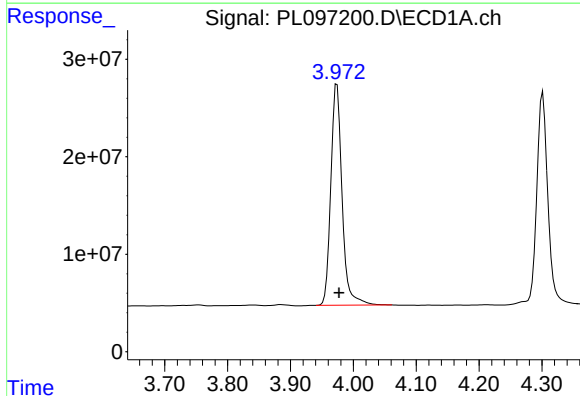
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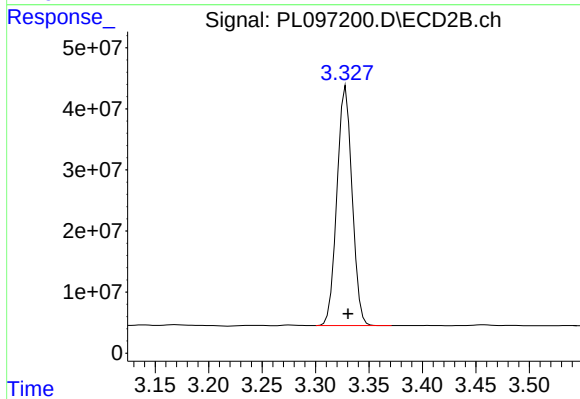
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.002 min
Response: 82062711
Conc: 14.56 ng/ml



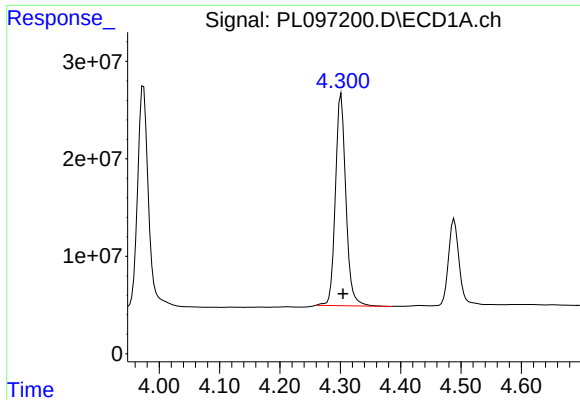
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.003 min
Response: 282249535
Conc: 48.71 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.002 min
Response: 386250354
Conc: 47.04 ng/ml



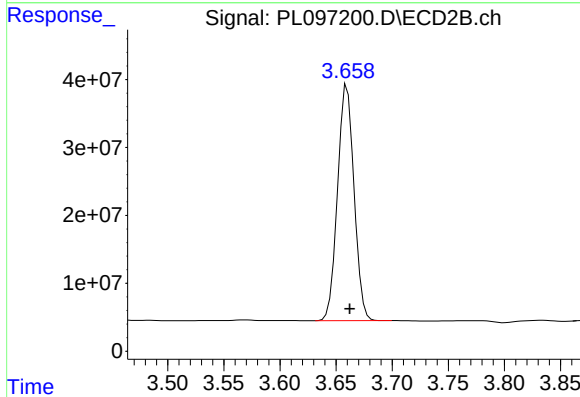
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.003 min
Response: 262271320
Conc: 48.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

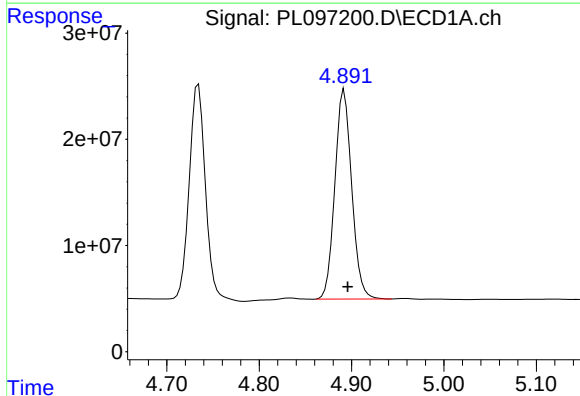
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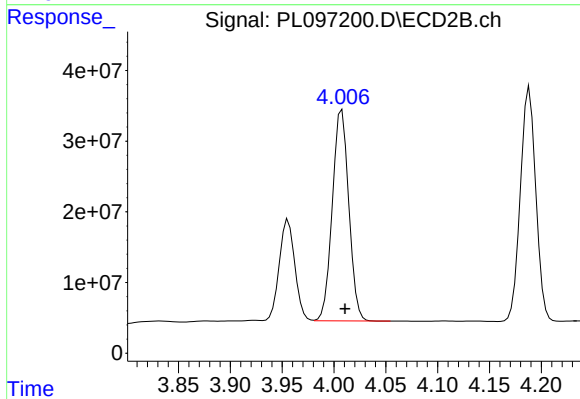
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 355721811
Conc: 48.29 ng/ml



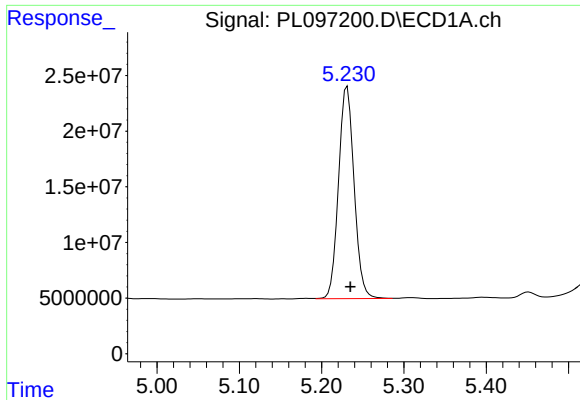
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 249698376
Conc: 46.83 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: -0.003 min
Response: 330043408
Conc: 43.86 ng/ml



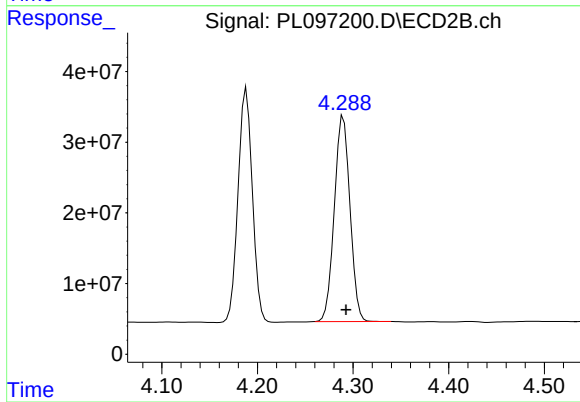
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 250642094
Conc: 47.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

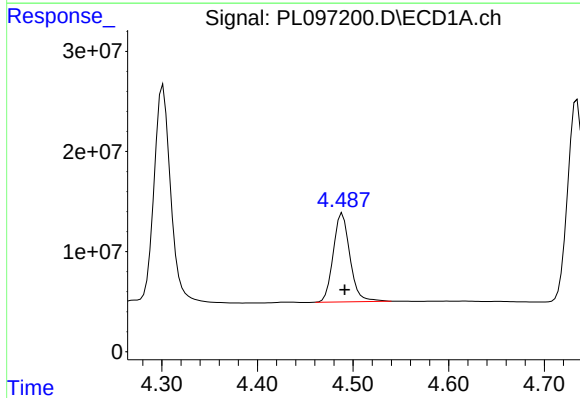
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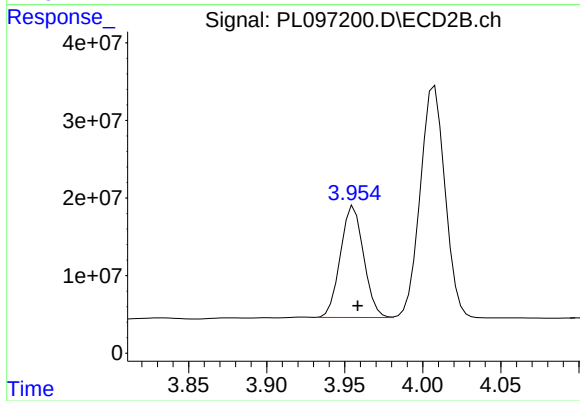
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: -0.003 min
Response: 330351257
Conc: 46.97 ng/ml



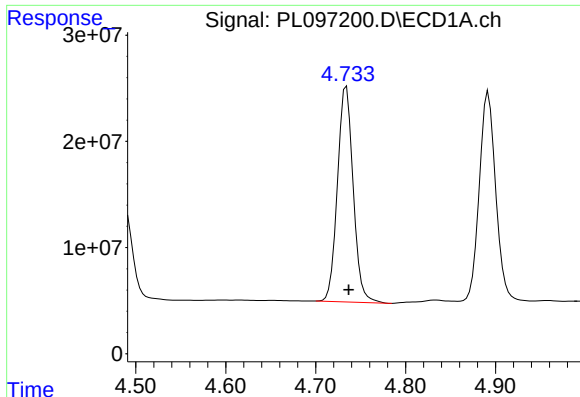
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: -0.002 min
Response: 107185981
Conc: 46.87 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.002 min
Response: 149194585
Conc: 45.73 ng/ml



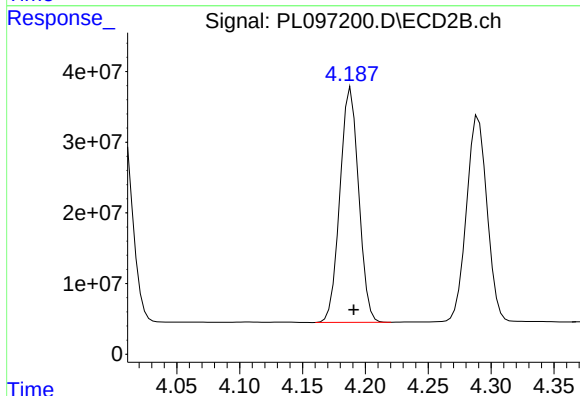
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 247154200
Conc: 54.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

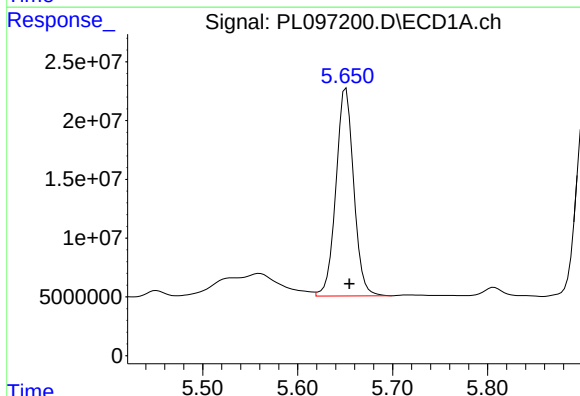
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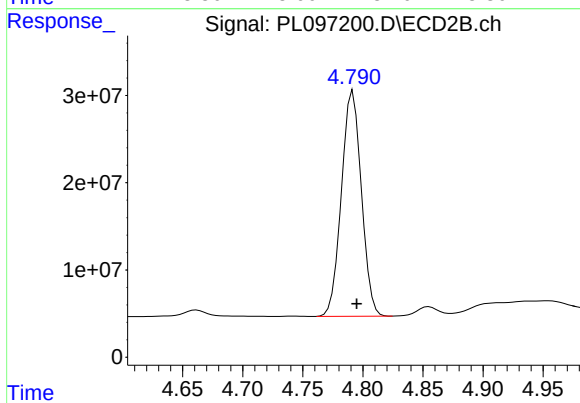
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.002 min
Response: 344430392
Conc: 46.87 ng/ml



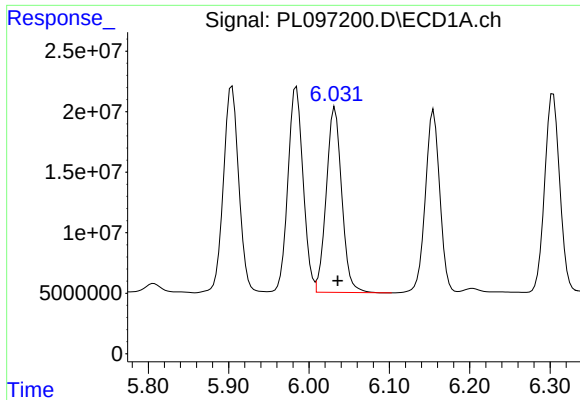
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 230025251
Conc: 44.70 ng/ml



#8 Heptachlor epoxide

R.T.: 4.792 min
Delta R.T.: -0.003 min
Response: 299250789
Conc: 47.31 ng/ml



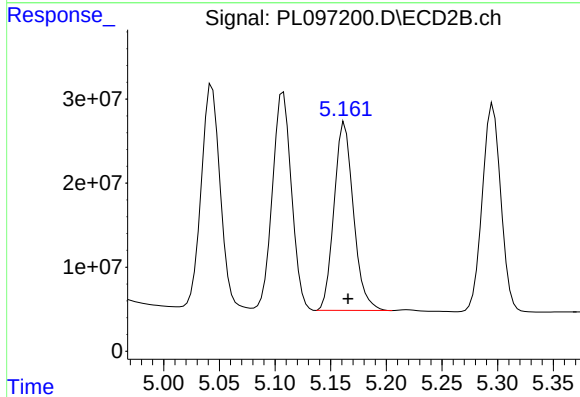
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.004 min
Response: 205079094
Conc: 47.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

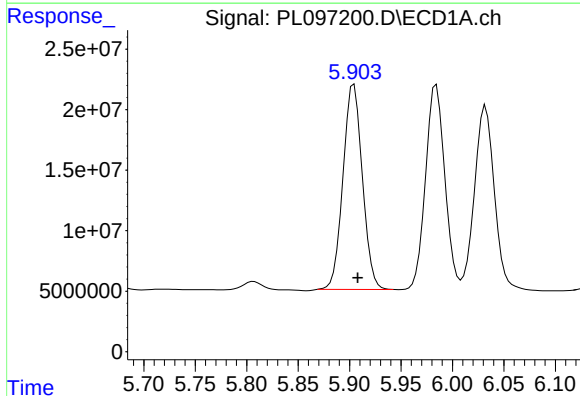
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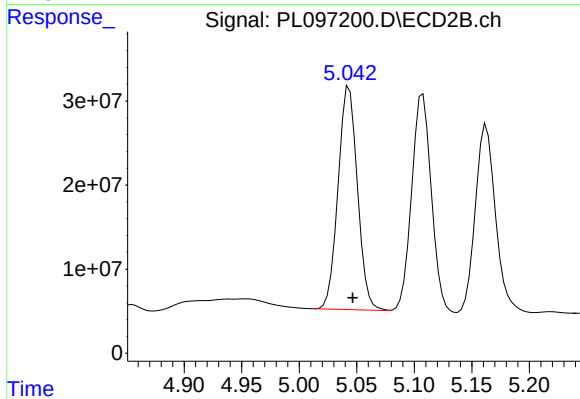
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: -0.003 min
Response: 271799120
Conc: 45.37 ng/ml



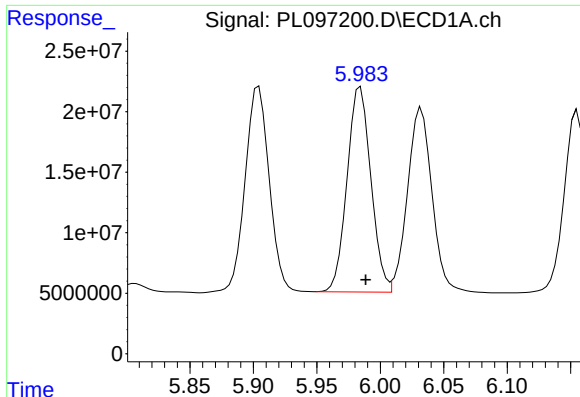
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 222058986
Conc: 48.22 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.003 min
Response: 312173875
Conc: 47.22 ng/ml



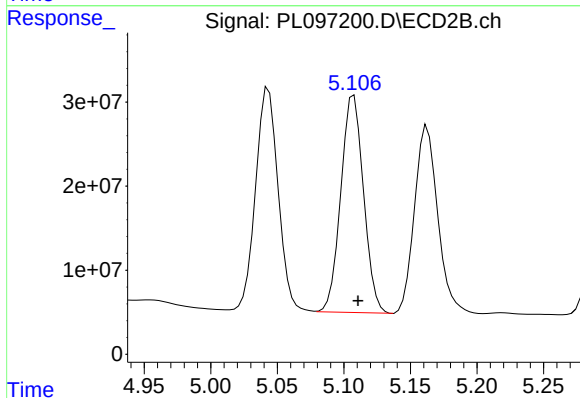
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.004 min
Response: 221096427
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

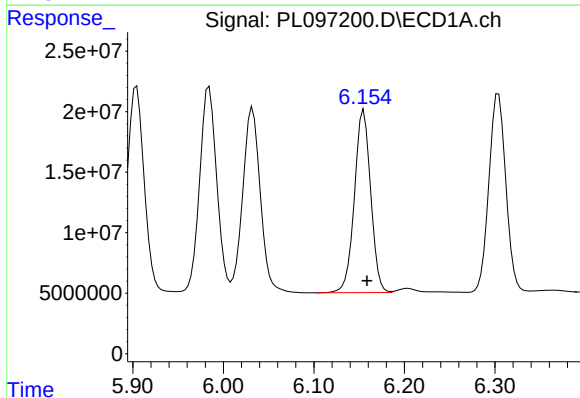
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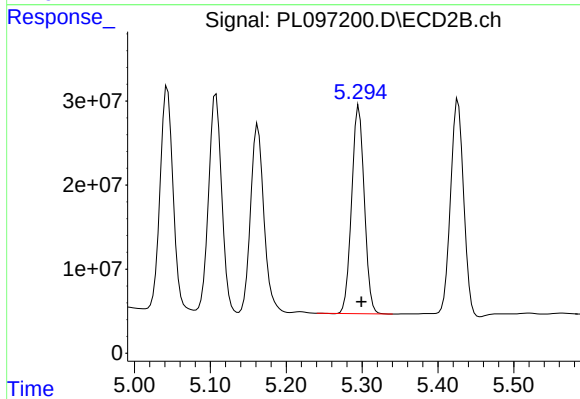
#11 alpha-Chlordane

R.T.: 5.108 min
Delta R.T.: -0.003 min
Response: 307179785
Conc: 47.04 ng/ml



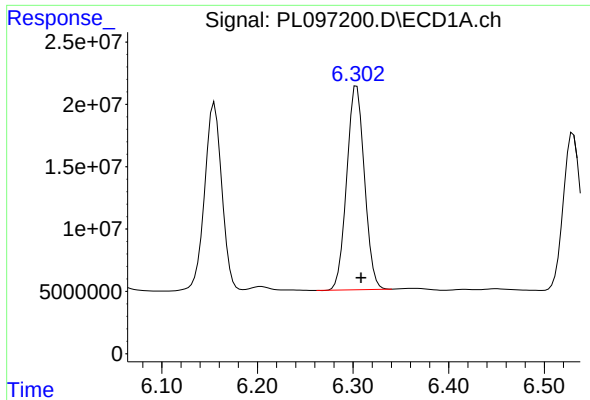
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 188522036
Conc: 47.25 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.003 min
Response: 286353777
Conc: 46.53 ng/ml



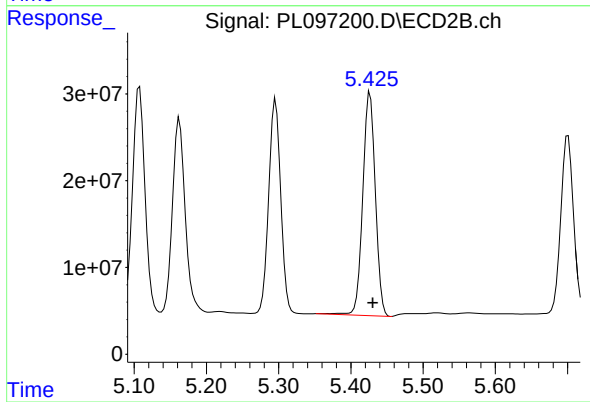
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.004 min
Response: 211271899
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

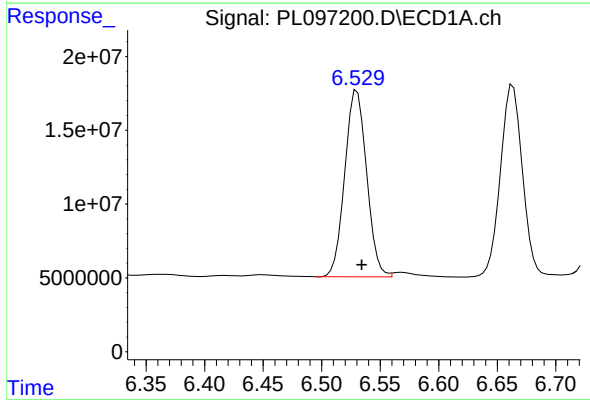
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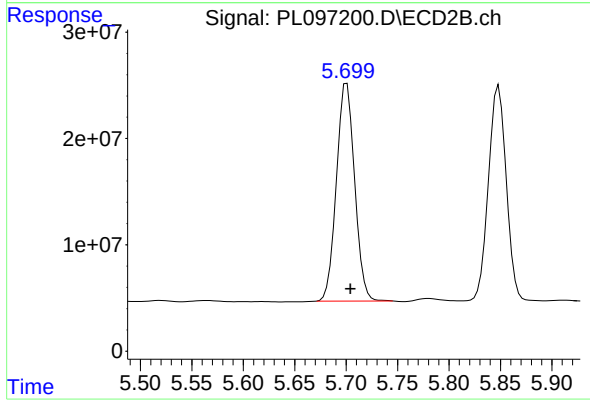
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.004 min
Response: 312368438
Conc: 47.67 ng/ml



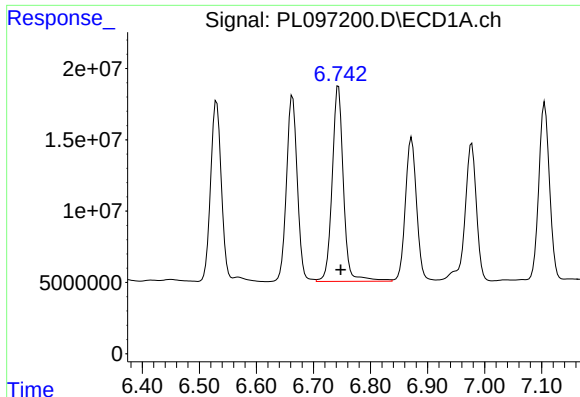
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.004 min
Response: 164491892
Conc: 43.92 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 252387212
Conc: 42.73 ng/ml



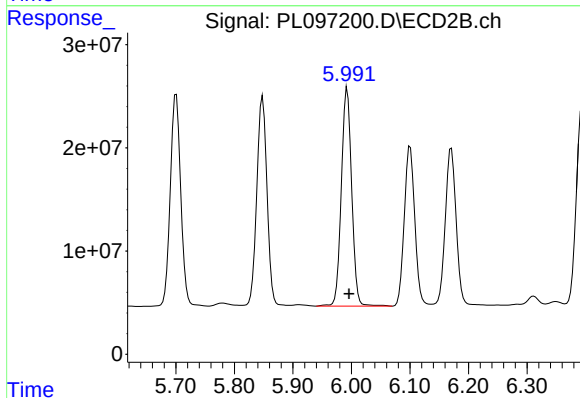
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.004 min
Response: 189069669
Conc: 42.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

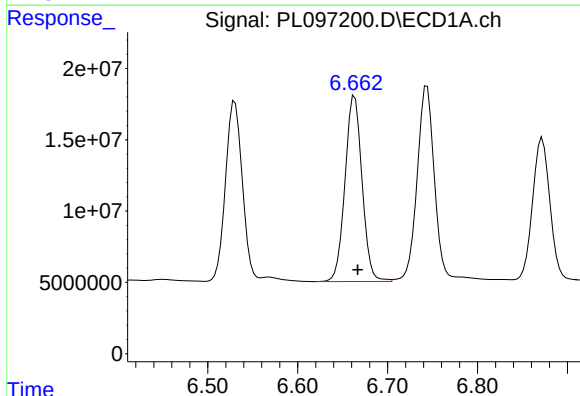
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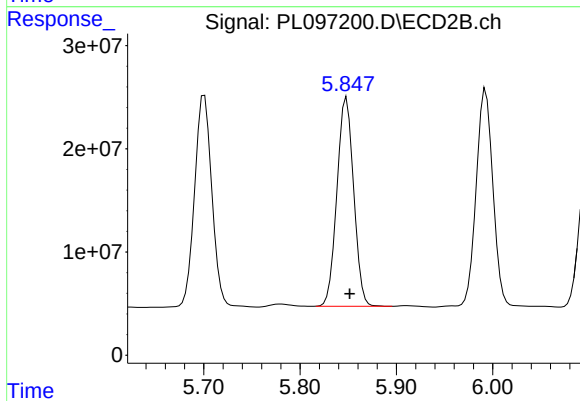
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 259714838
Conc: 45.41 ng/ml



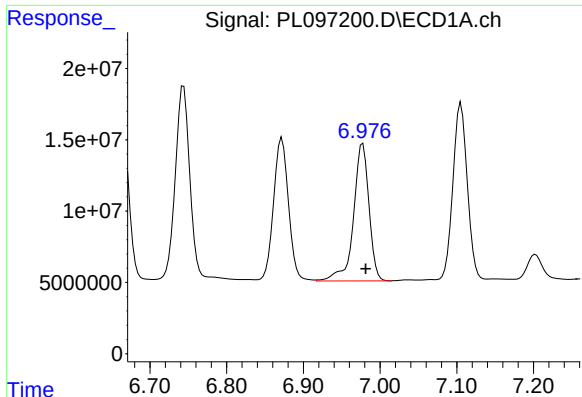
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.004 min
Response: 171559901
Conc: 54.36 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.003 min
Response: 243891208
Conc: 46.70 ng/ml



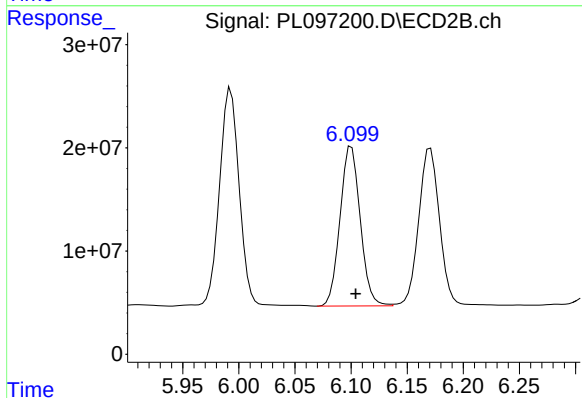
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: -0.004 min
Response: 136018920
Conc: 38.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

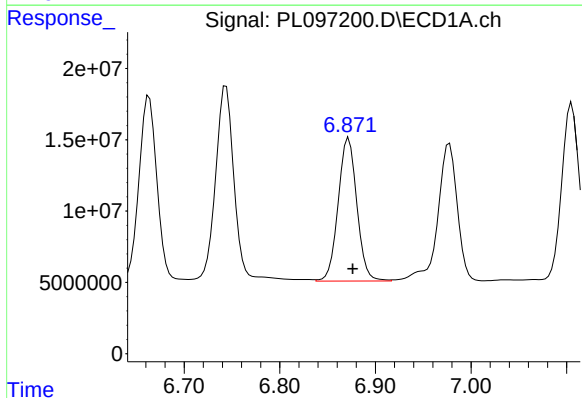
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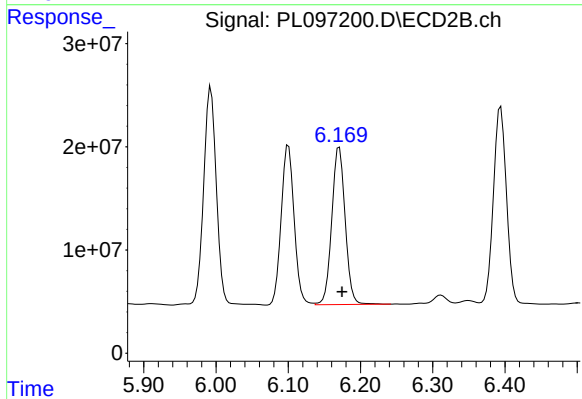
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 193679712
Conc: 35.36 ng/ml



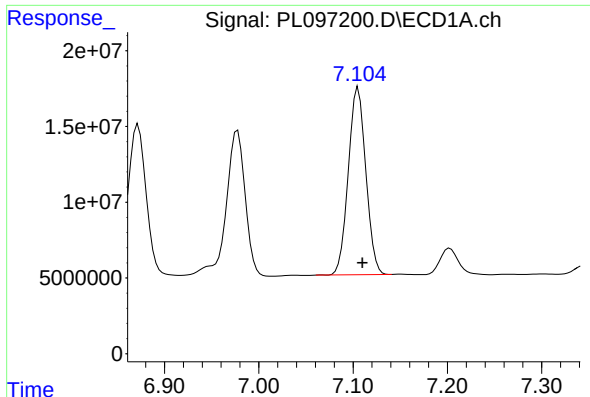
#18 Endrin aldehyde

R.T.: 6.872 min
Delta R.T.: -0.004 min
Response: 136802784
Conc: 52.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.004 min
Response: 196984433
Conc: 47.12 ng/ml



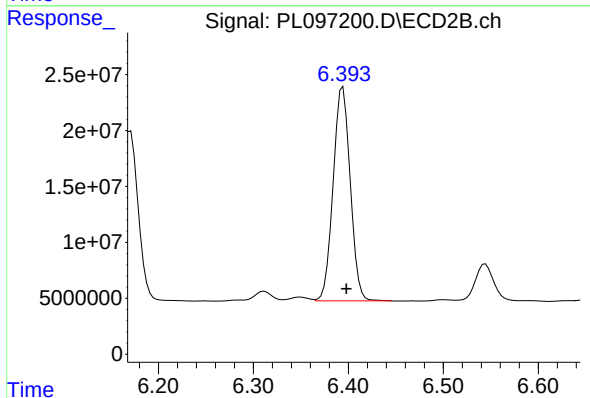
#19 Endosulfan Sulfate

R.T.: 7.105 min
Delta R.T.: -0.004 min
Response: 159828154
Conc: 46.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

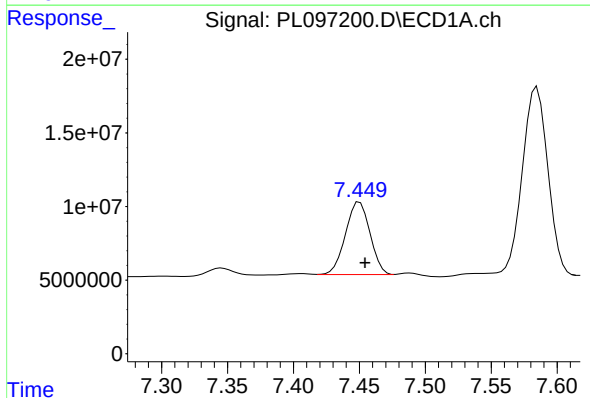
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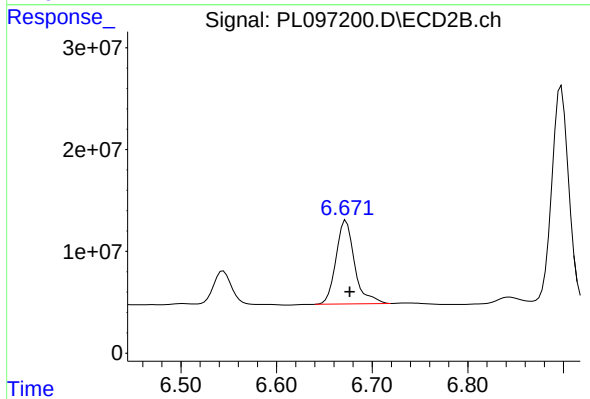
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 239349634
Conc: 42.72 ng/ml



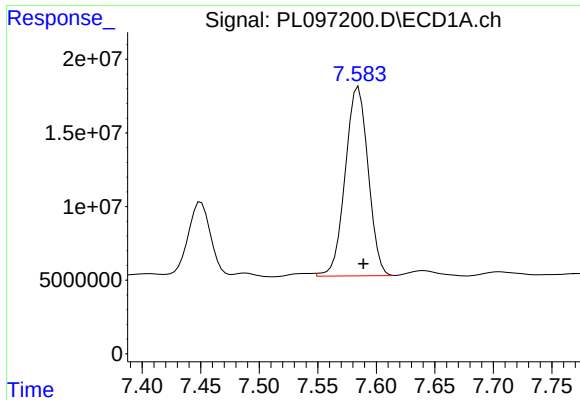
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.005 min
Response: 63758900
Conc: 36.74 ng/ml m



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 111519631
Conc: 37.18 ng/ml



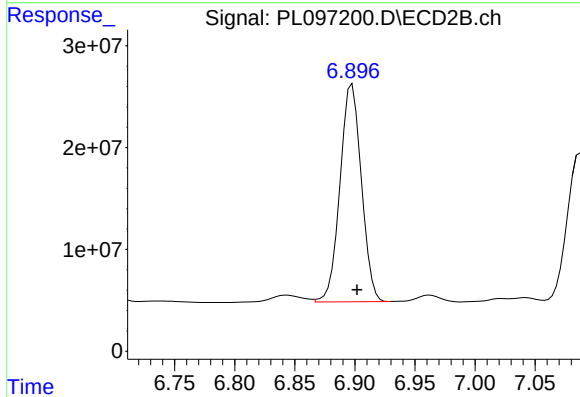
#21 Endrin ketone

R.T.: 7.583 min
Delta R.T.: -0.006 min
Response: 174845238
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

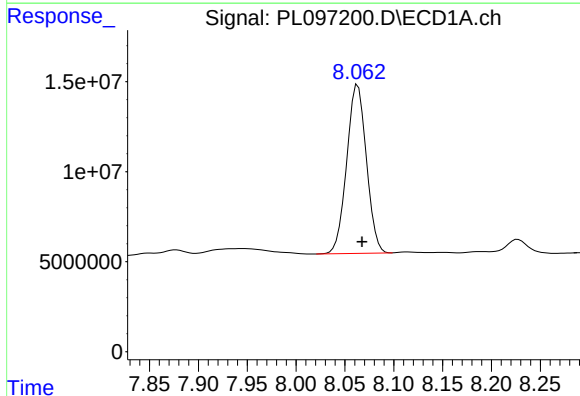
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025



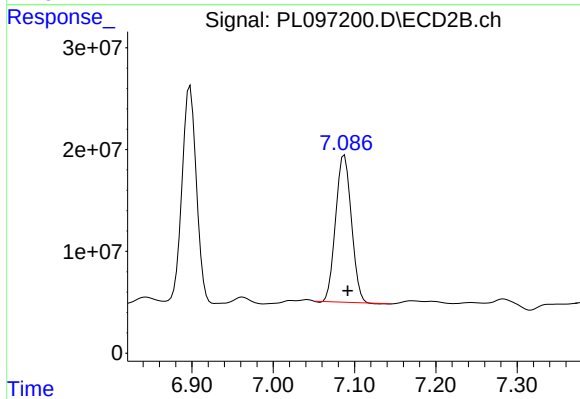
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 264928167
Conc: 42.33 ng/ml



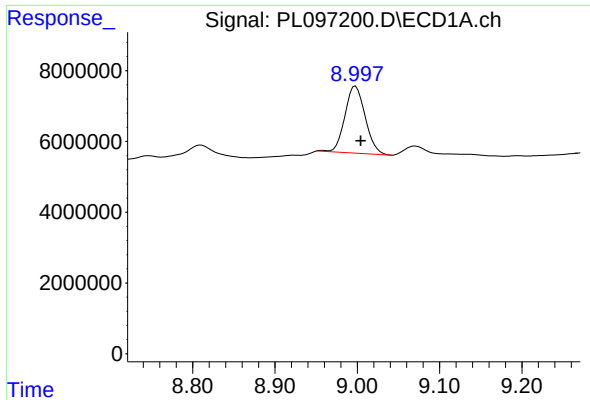
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 131516876
Conc: 43.96 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.004 min
Response: 193910700
Conc: 39.93 ng/ml



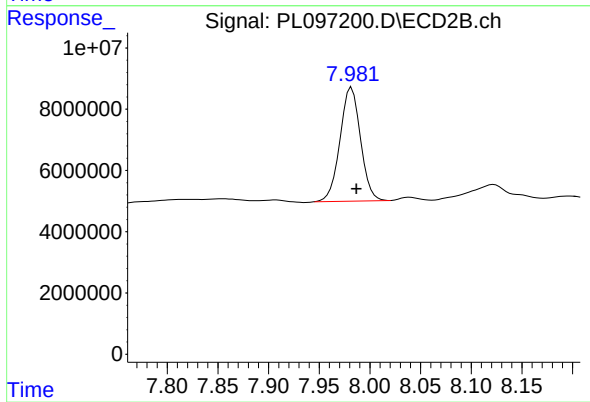
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.006 min
Response: 32481453
Conc: 10.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-31MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 52373407
Conc: 10.92 ng/ml