

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
 Data File : PL097161.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2025 20:08
 Operator : AR\AJ
 Sample : PB169648BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169648BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/12/2025
 Supervised By : mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 01:22:52 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...	3.527	2.822	89818273	133.6E6	22.774	23.705
28)	SA Decachlor...	8.998	7.982	71096699	130.4E6	24.014	27.196
Target Compounds							
2)	A alpha-BHC	3.974	3.328	297.9E6	437.3E6	51.418	53.256
3)	MA gamma-BHC...	4.301	3.660	277.1E6	408.2E6	50.732	55.409
4)	MA Heptachlor	4.892	4.007	275.6E6	399.2E6	51.684	53.058
5)	MB Aldrin	5.231	4.289	266.0E6	383.6E6	50.637	54.547
6)	B beta-BHC	4.488	3.955	113.9E6	171.3E6	49.823	52.502
7)	B delta-BHC	4.734	4.188	253.9E6	396.6E6	56.428	53.964
8)	B Heptachlo...	5.651	4.791	249.6E6	350.9E6	48.511	55.482
9)	A Endosulfan I	6.032	5.162	217.4E6	328.3E6	50.585	54.792
10)	B gamma-Chl...	5.903	5.043	237.5E6	368.2E6	51.562m	55.695
11)	B alpha-Chl...	5.985	5.107	235.1E6	361.7E6	49.952	55.393
12)	B 4,4'-DDE	6.155	5.296	199.7E6	344.5E6	50.042	55.973
13)	MA Dieldrin	6.304	5.427	230.1E6	362.4E6	50.669	55.296
14)	MA Endrin	6.531	5.701	184.5E6	315.7E6	49.276	53.451
15)	B Endosulfa...	6.744	5.993	194.5E6	313.0E6	44.153	54.735
16)	A 4,4'-DDD	6.664	5.848	160.3E6	297.6E6	50.792	56.985
17)	MA 4,4'-DDT	6.977	6.100	165.1E6	292.3E6	47.145	53.360
18)	B Endrin al...	6.872	6.171	140.0E6	239.8E6	53.819	58.448
19)	B Endosulfa...	7.106	6.394	172.8E6	301.8E6	50.335	53.867
20)	A Methoxychlor	7.451	6.672	80495303	155.6E6	46.382	51.883
21)	B Endrin ke...	7.586	6.898	183.4E6	343.0E6	51.588	54.798
22)	Mirex	8.063	7.087	146.4E6	264.1E6	48.928	54.373

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
Data File : PL097161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2025 20:08
Operator : AR\AJ
Sample : PB169648BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

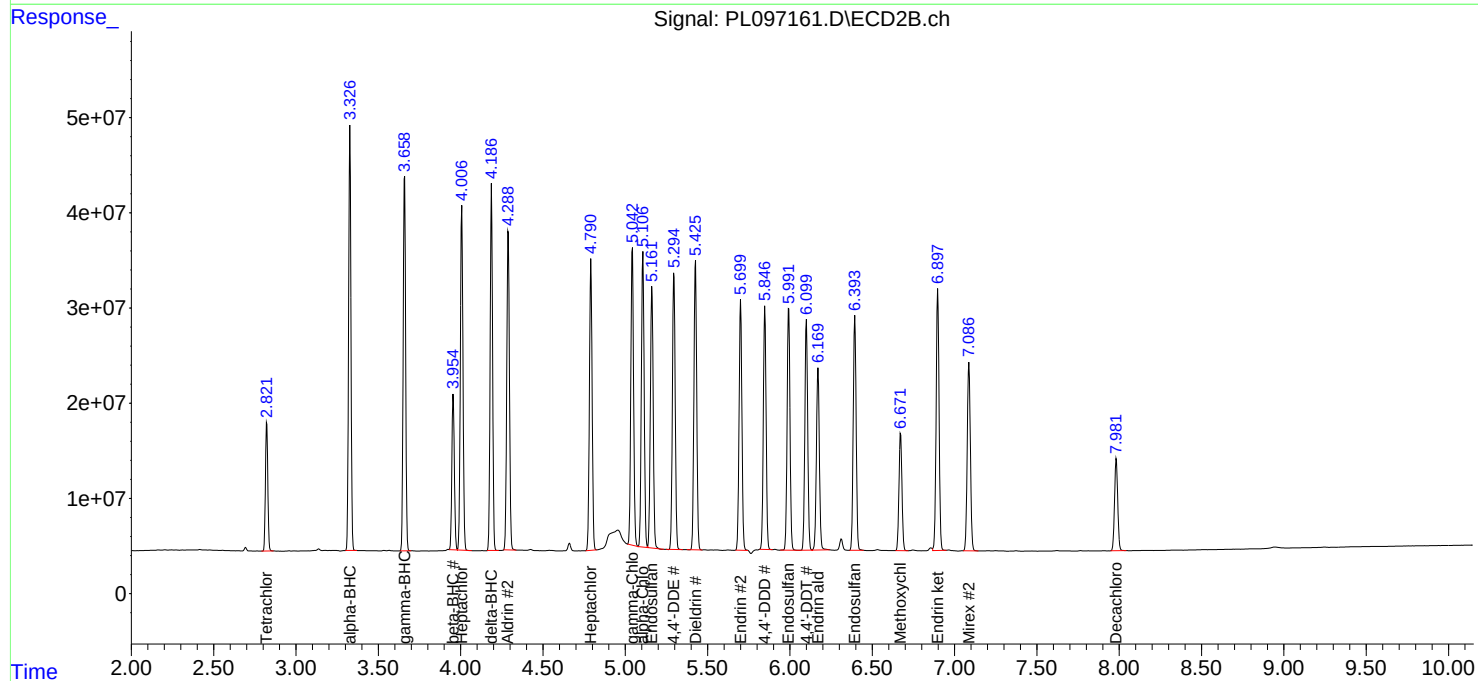
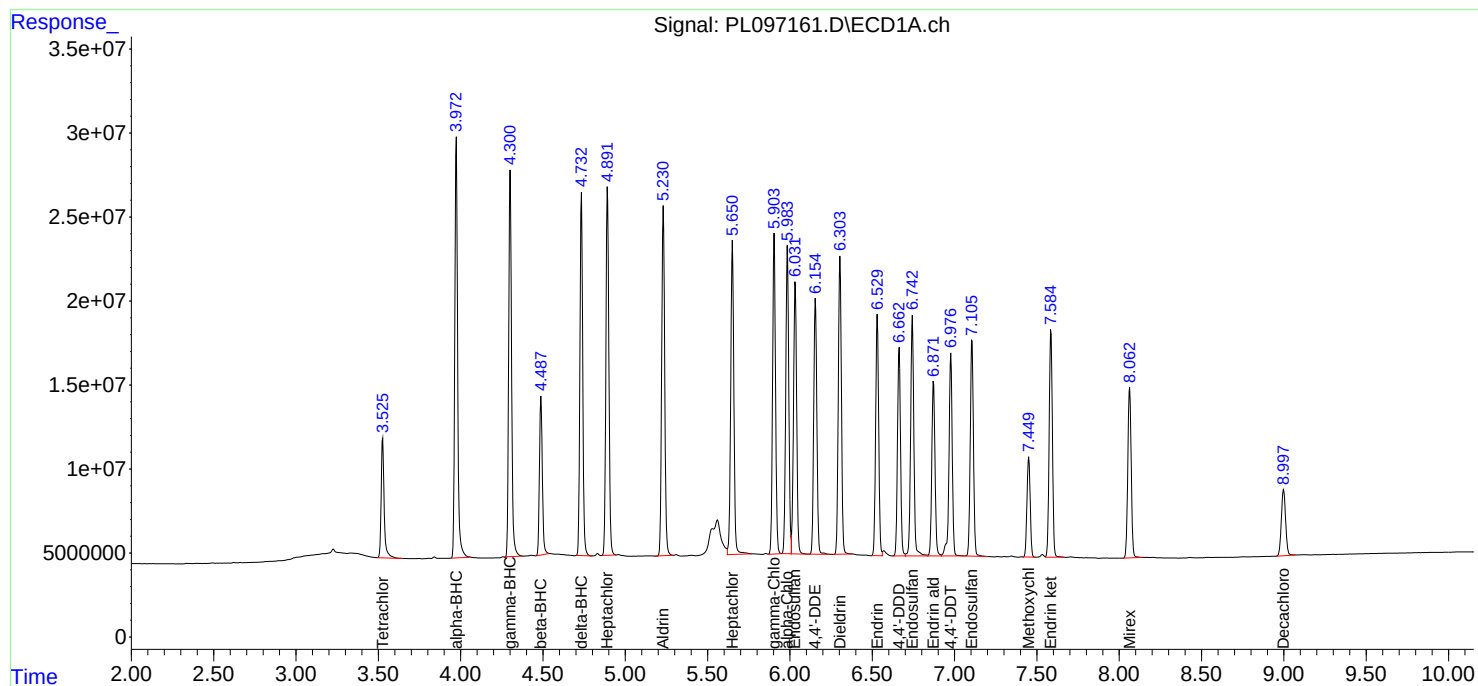
Instrument :
ECD_L
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PB169648BS

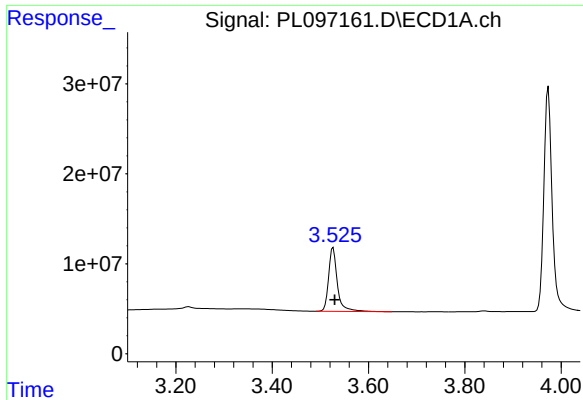
Manual Integrations
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Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 01:22:52 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





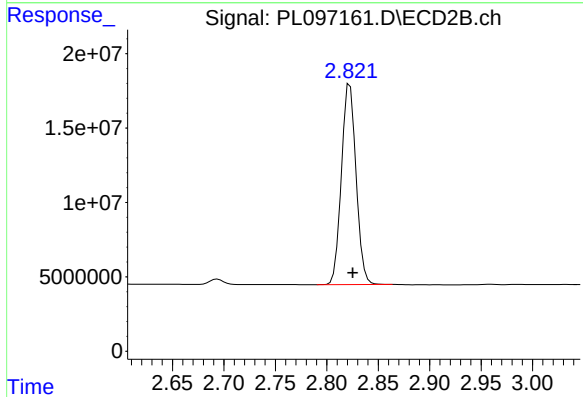
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 89818273
Conc: 22.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

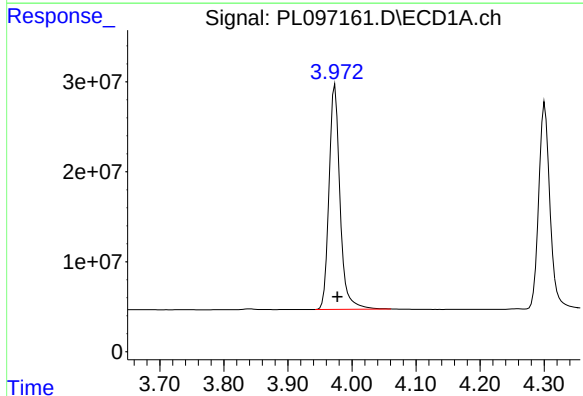
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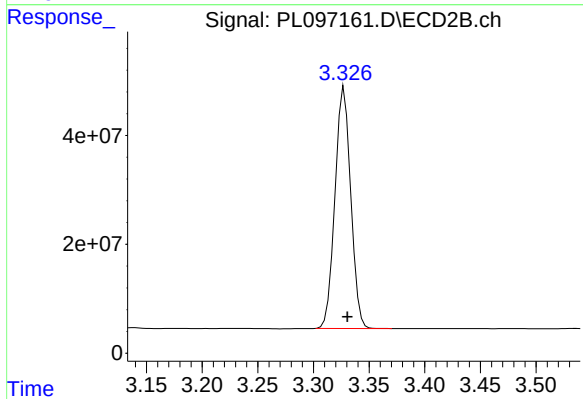
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.003 min
Response: 133616972
Conc: 23.71 ng/ml



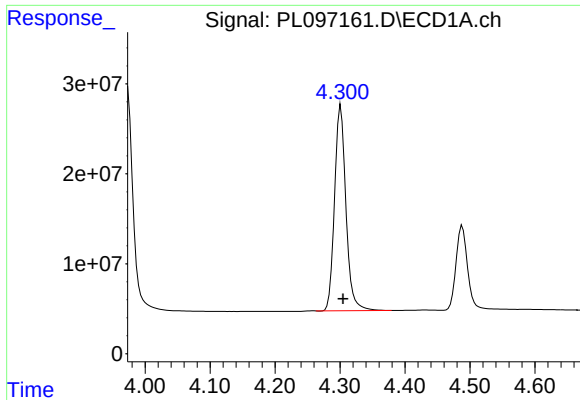
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.004 min
Response: 297919490
Conc: 51.42 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.003 min
Response: 437302727
Conc: 53.26 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.003 min
Response: 277086361
Conc: 50.73 ng/ml

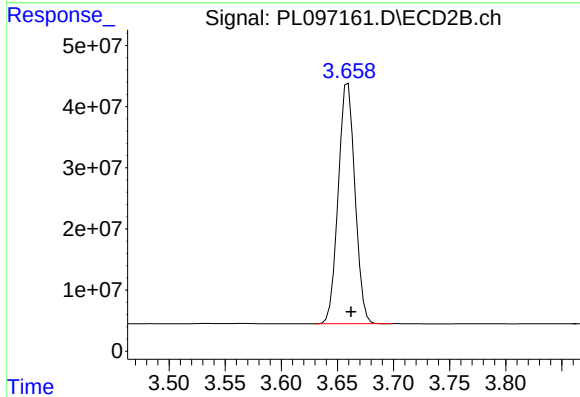
Instrument :

ECD_L

ClientSampleId :
PB169648BS

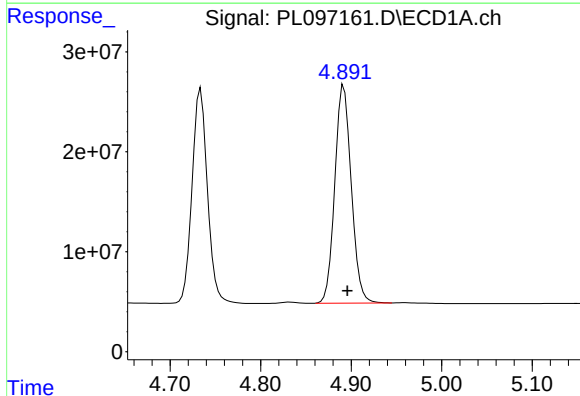
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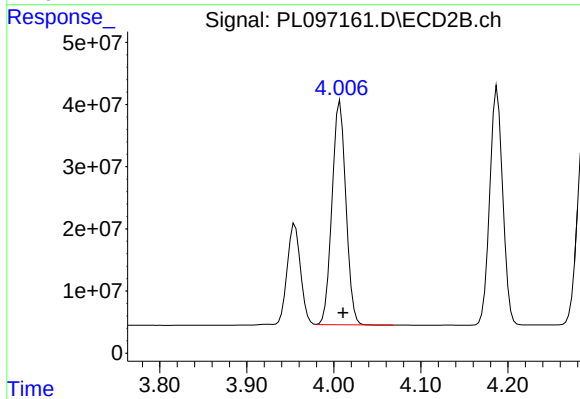
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.003 min
Response: 408167934
Conc: 55.41 ng/ml



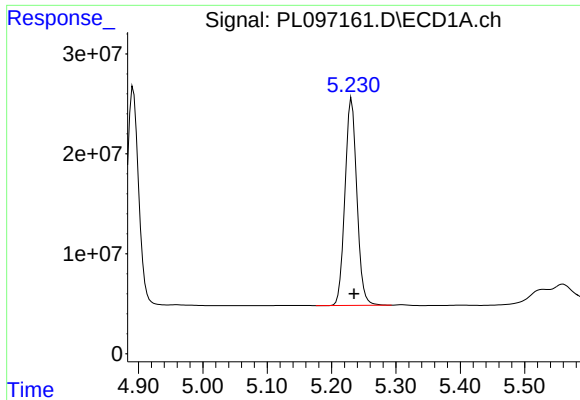
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 275595013
Conc: 51.68 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.003 min
Response: 399217471
Conc: 53.06 ng/ml



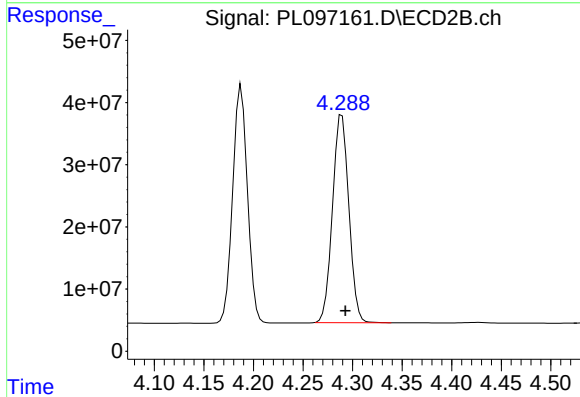
#5 Aldrin

R.T.: 5.231 min
Delta R.T.: -0.004 min
Response: 266018531
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

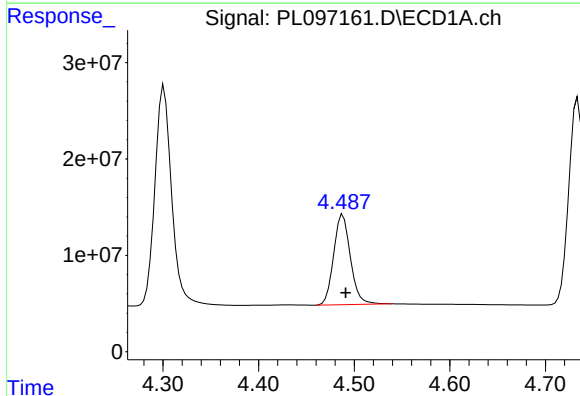
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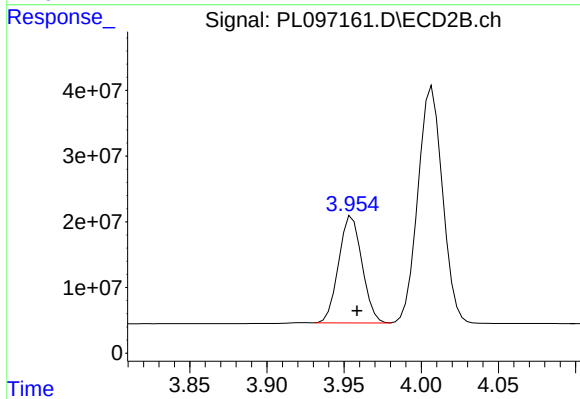
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.003 min
Response: 383616261
Conc: 54.55 ng/ml



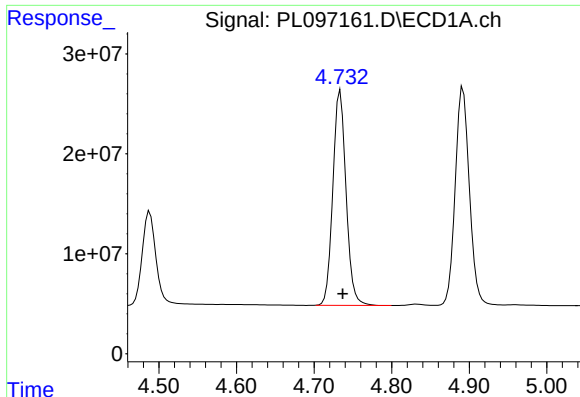
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 113947787
Conc: 49.82 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.003 min
Response: 171277251
Conc: 52.50 ng/ml



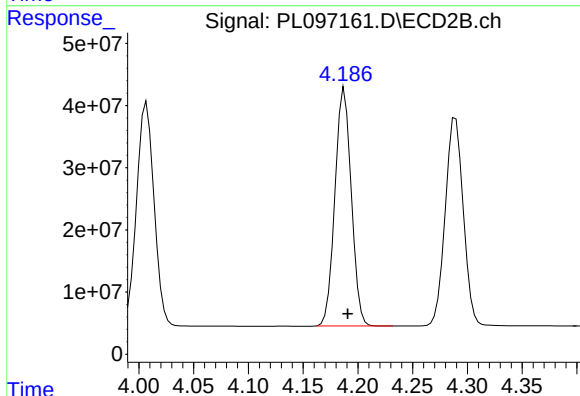
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 253922637
Conc: 56.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

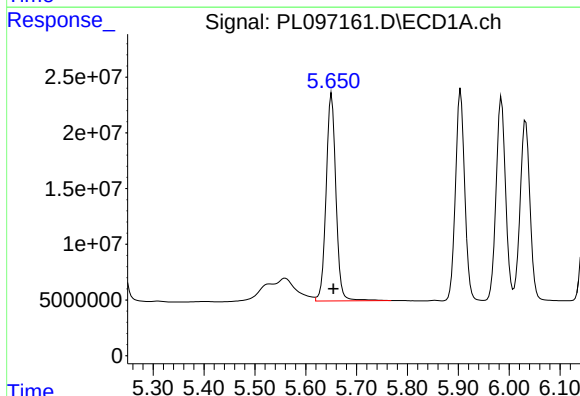
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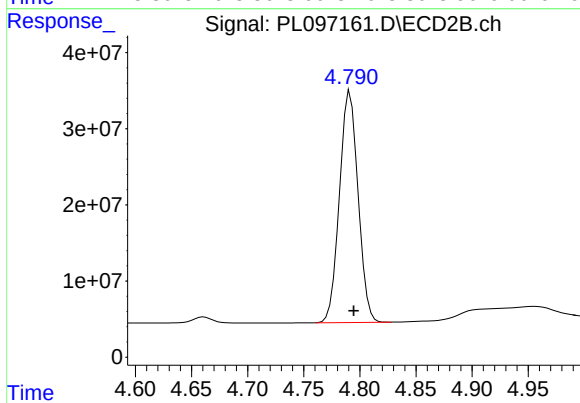
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 396577045
Conc: 53.96 ng/ml



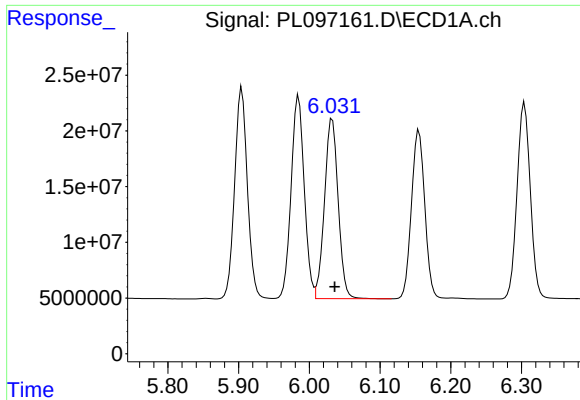
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 249629820
Conc: 48.51 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.003 min
Response: 350924856
Conc: 55.48 ng/ml



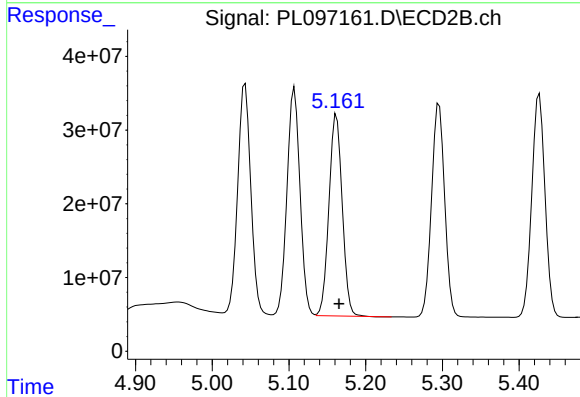
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.003 min
Response: 217351204
Conc: 50.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

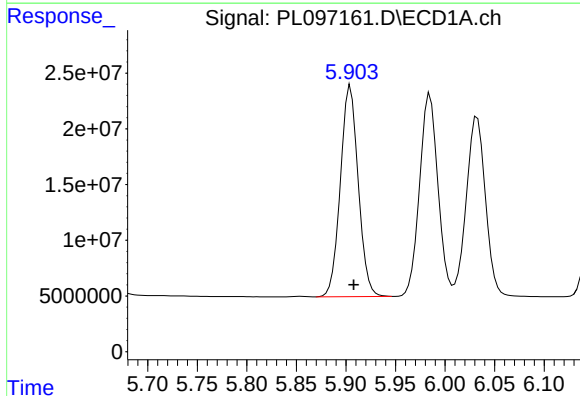
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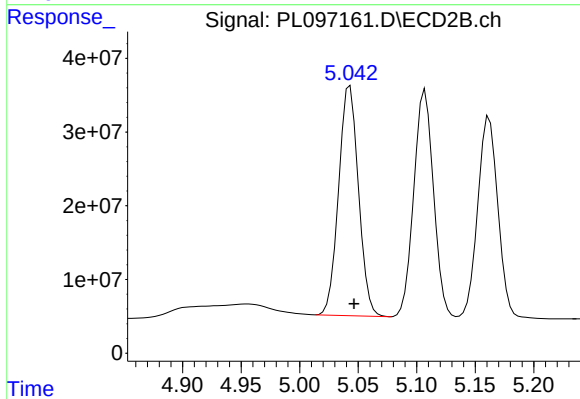
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.003 min
Response: 328275513
Conc: 54.79 ng/ml



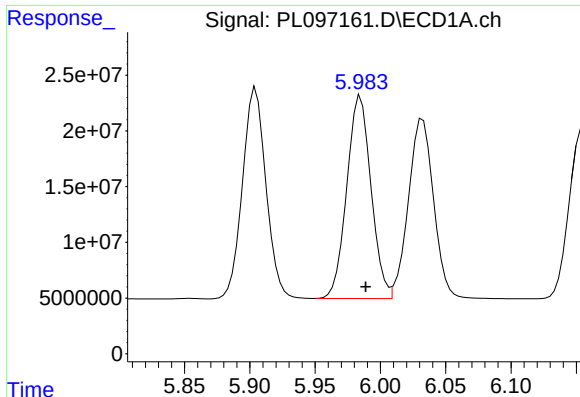
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 237468844
Conc: 51.56 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.003 min
Response: 368207212
Conc: 55.70 ng/ml



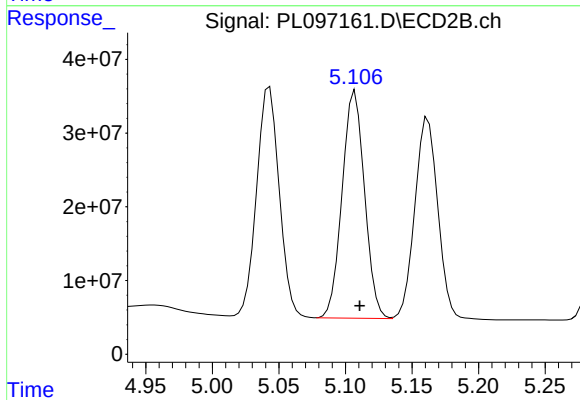
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: -0.004 min
Response: 235066613
Conc: 49.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

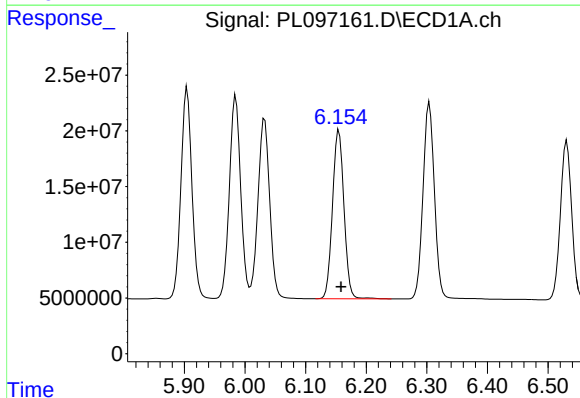
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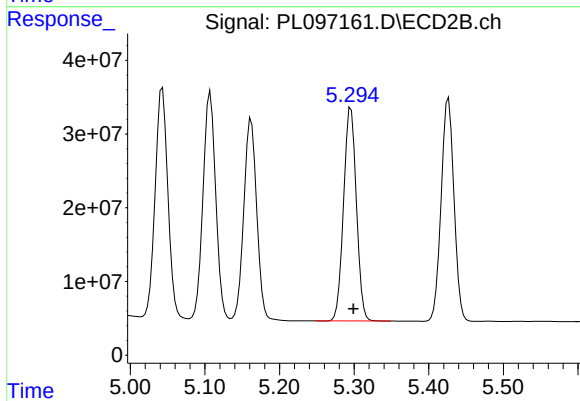
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.003 min
Response: 361705911
Conc: 55.39 ng/ml



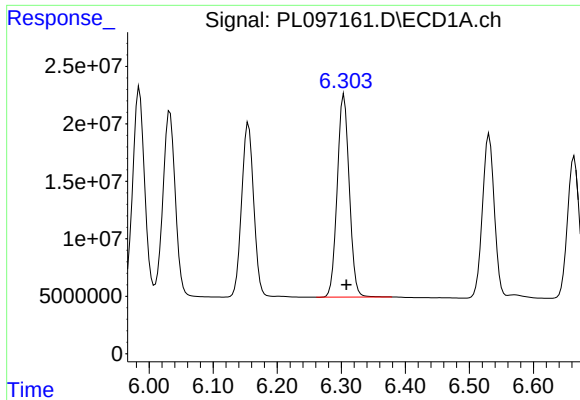
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 199672822
Conc: 50.04 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.003 min
Response: 344497998
Conc: 55.97 ng/ml



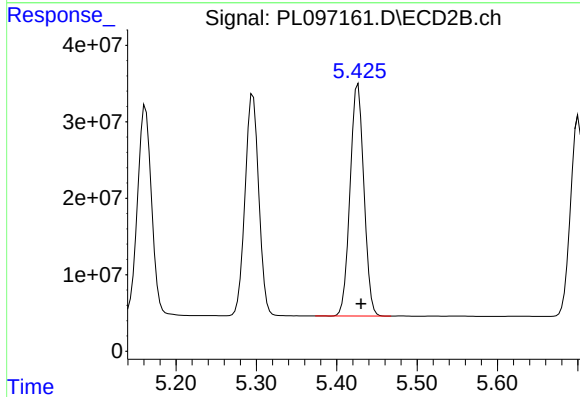
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.004 min
Response: 230081064
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

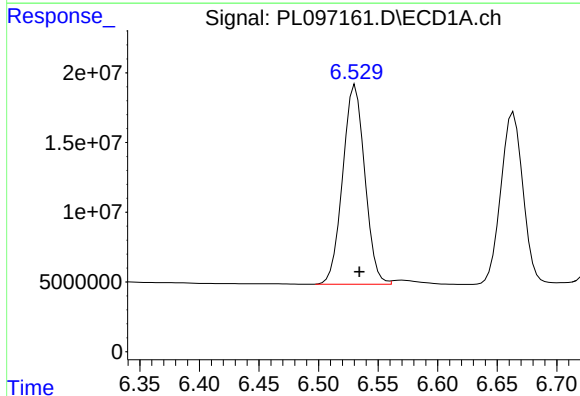
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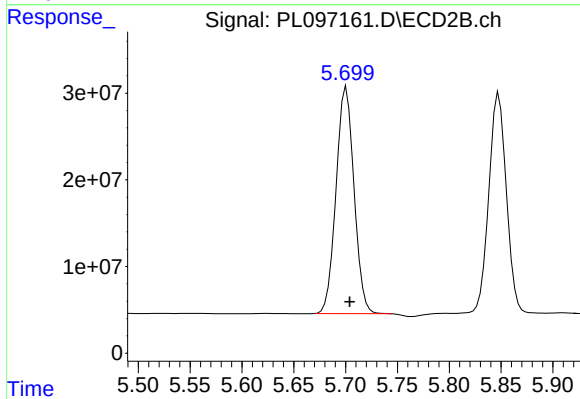
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.004 min
Response: 362357979
Conc: 55.30 ng/ml



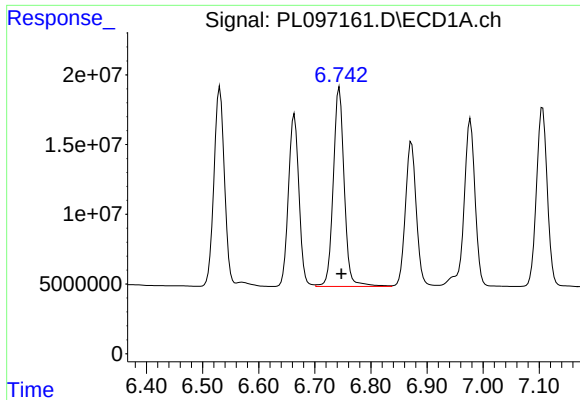
#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.003 min
Response: 184531975
Conc: 49.28 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 315743031
Conc: 53.45 ng/ml



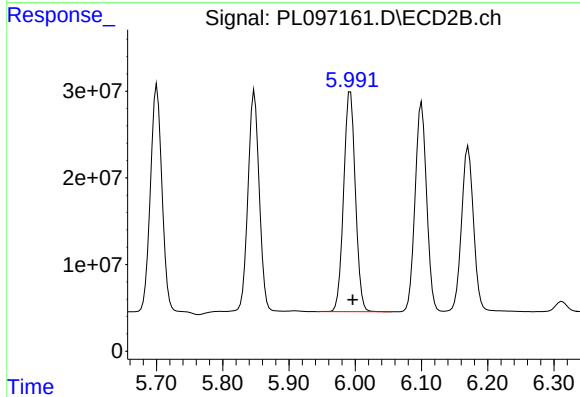
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.004 min
Response: 194497544
Conc: 44.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

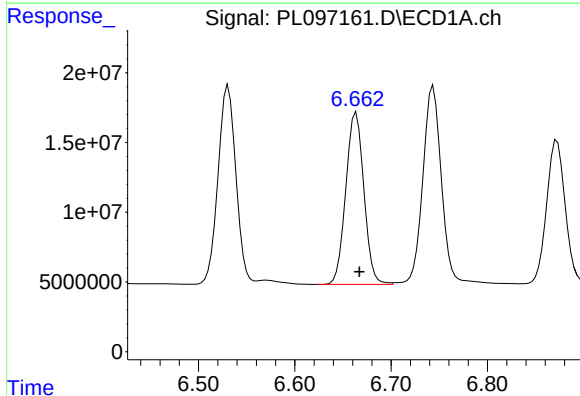
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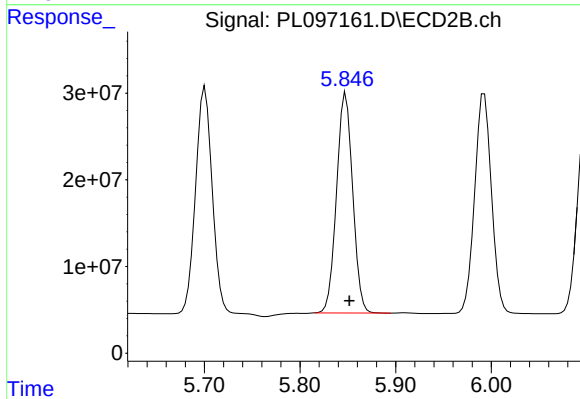
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 313012199
Conc: 54.73 ng/ml



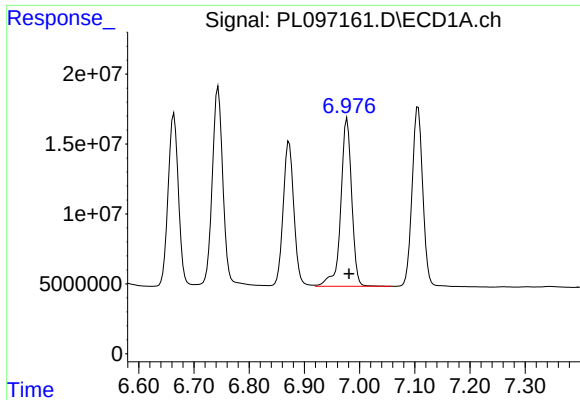
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: -0.003 min
Response: 160290283
Conc: 50.79 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.004 min
Response: 297598302
Conc: 56.99 ng/ml



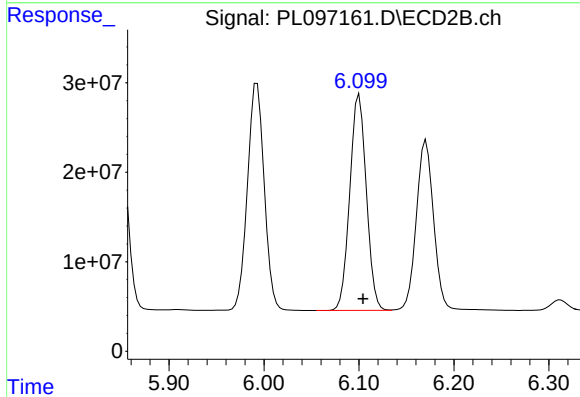
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.004 min
Response: 165122330
Conc: 47.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

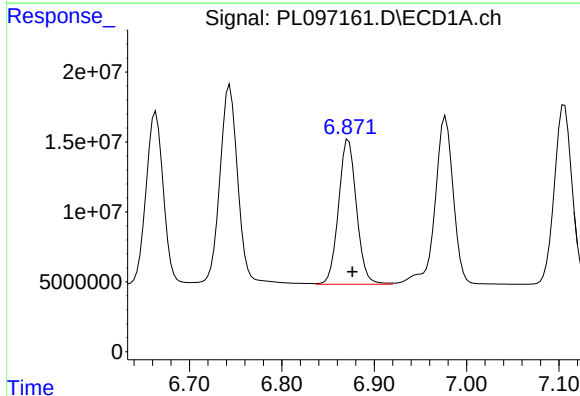
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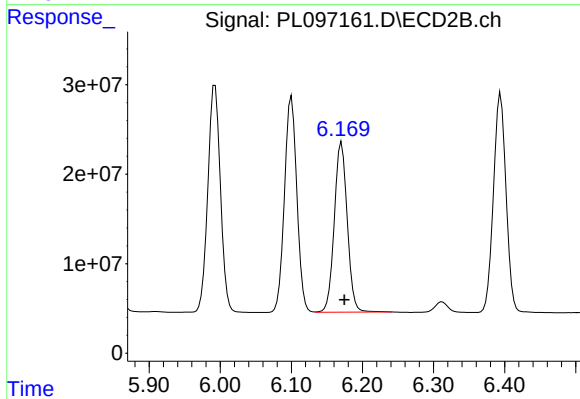
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 292267353
Conc: 53.36 ng/ml



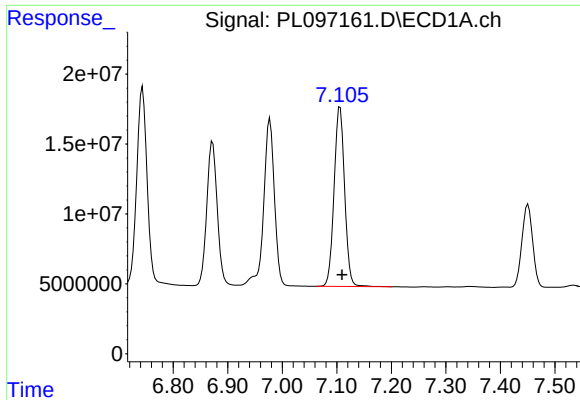
#18 Endrin aldehyde

R.T.: 6.872 min
Delta R.T.: -0.004 min
Response: 140008025
Conc: 53.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.004 min
Response: 239805186
Conc: 58.45 ng/ml



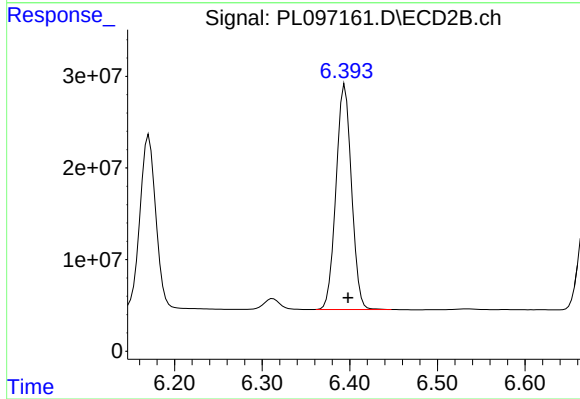
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.004 min
Response: 172817382
Conc: 50.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

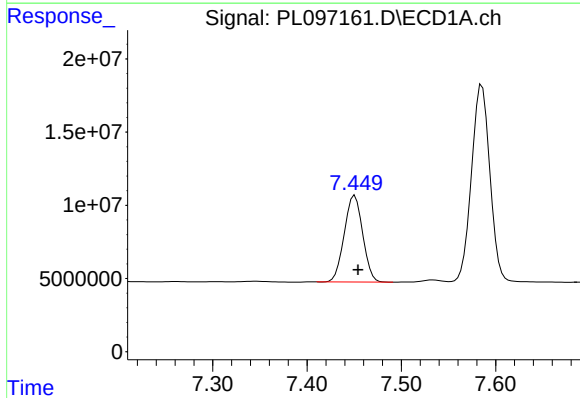
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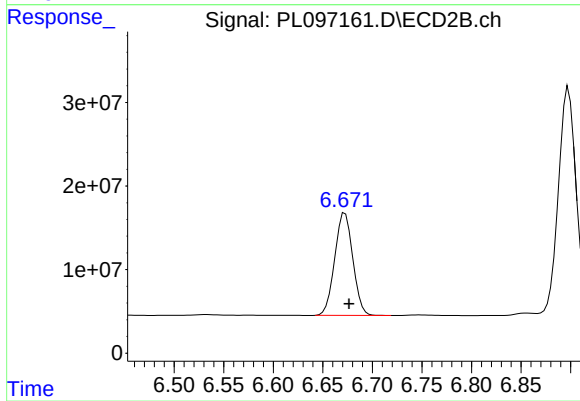
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 301816243
Conc: 53.87 ng/ml



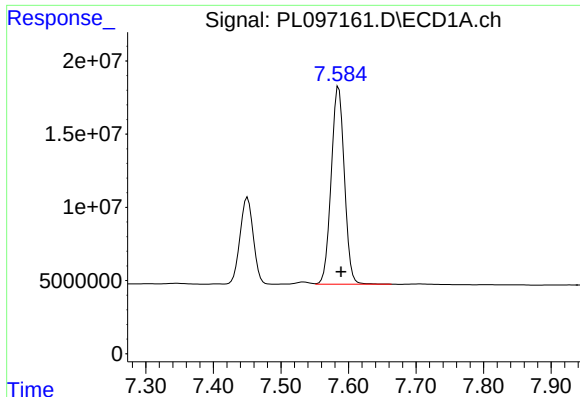
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.004 min
Response: 80495303
Conc: 46.38 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.004 min
Response: 155636970
Conc: 51.88 ng/ml



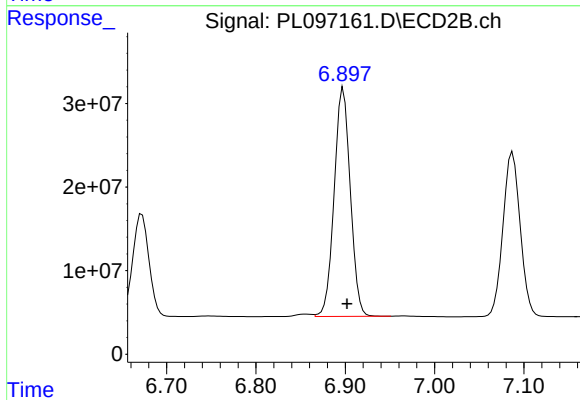
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.003 min
Response: 183407479
Conc: 51.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

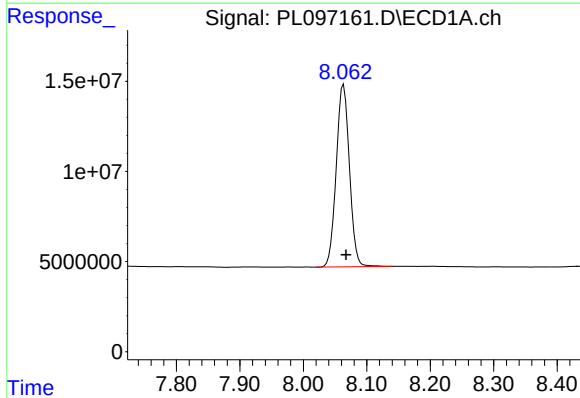
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



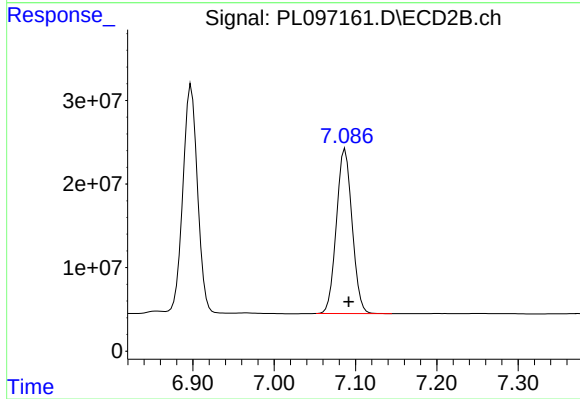
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 342975820
Conc: 54.80 ng/ml



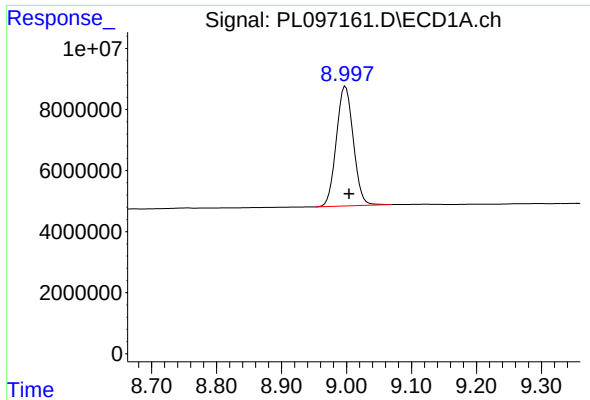
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 146386437
Conc: 48.93 ng/ml



#22 Mirex

R.T.: 7.087 min
Delta R.T.: -0.004 min
Response: 264067275
Conc: 54.37 ng/ml



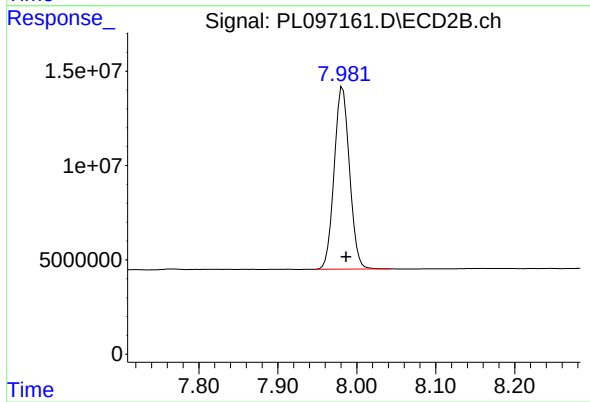
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.006 min
Response: 71096699
Conc: 24.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169648BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.004 min
Response: 130424236
Conc: 27.20 ng/ml