

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:34
 Operator : AR\AJ
 Sample : PB169225BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/18/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:24 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...	3.531	2.826	59543401	91996171	18.720	19.255
28)	SA Decachlor...	9.004	7.987	48180370	90356362	20.204m	20.828
Target Compounds							
2)	A alpha-BHC	3.978	3.331	223.2E6	342.8E6	48.236	48.442
3)	MA gamma-BHC...	4.306	3.663	210.3E6	320.0E6	47.536	48.462
4)	MA Heptachlor	4.897	4.011	214.5E6	317.1E6	51.625	47.601
5)	MB Aldrin	5.237	4.294	207.2E6	299.2E6	48.180	48.202
6)	B beta-BHC	4.491	3.959	87600808	135.8E6	48.533m	48.135
7)	B delta-BHC	4.738	4.192	195.2E6	313.4E6	48.931	48.408
8)	B Heptachlo...	5.656	4.796	190.6E6	273.5E6	49.435	47.880
9)	A Endosulfan I	6.037	5.167	173.6E6	255.4E6	48.277	46.174
10)	B gamma-Chl...	5.910	5.048	186.9E6	283.8E6	49.128	48.272
11)	B alpha-Chl...	5.990	5.112	188.2E6	280.2E6	48.827	47.494
12)	B 4,4'-DDE	6.160	5.300	159.5E6	265.9E6	49.682	48.218
13)	MA Dieldrin	6.310	5.431	180.2E6	284.1E6	48.545	48.096
14)	MA Endrin	6.534	5.705	148.9E6	253.1E6	49.189m	46.827
15)	B Endosulfa...	6.749	5.997	162.8E6	245.2E6	50.827	47.742
16)	A 4,4'-DDD	6.669	5.853	124.7E6	227.7E6	49.301	48.390
17)	MA 4,4'-DDT	6.983	6.105	138.2E6	238.1E6	48.196	47.076
18)	B Endrin al...	6.878	6.175	112.1E6	196.6E6	52.223	54.094
19)	B Endosulfa...	7.110	6.398	136.6E6	241.4E6	47.520m	47.452
20)	A Methoxychlor	7.455	6.677	68285598	129.5E6	46.505	47.241
21)	B Endrin ke...	7.590	6.903	143.9E6	273.2E6	47.846	49.057
22)	Mirex	8.067	7.092	118.2E6	210.0E6	47.689m	48.160

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:34
Operator : AR\AJ
Sample : PB169225BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

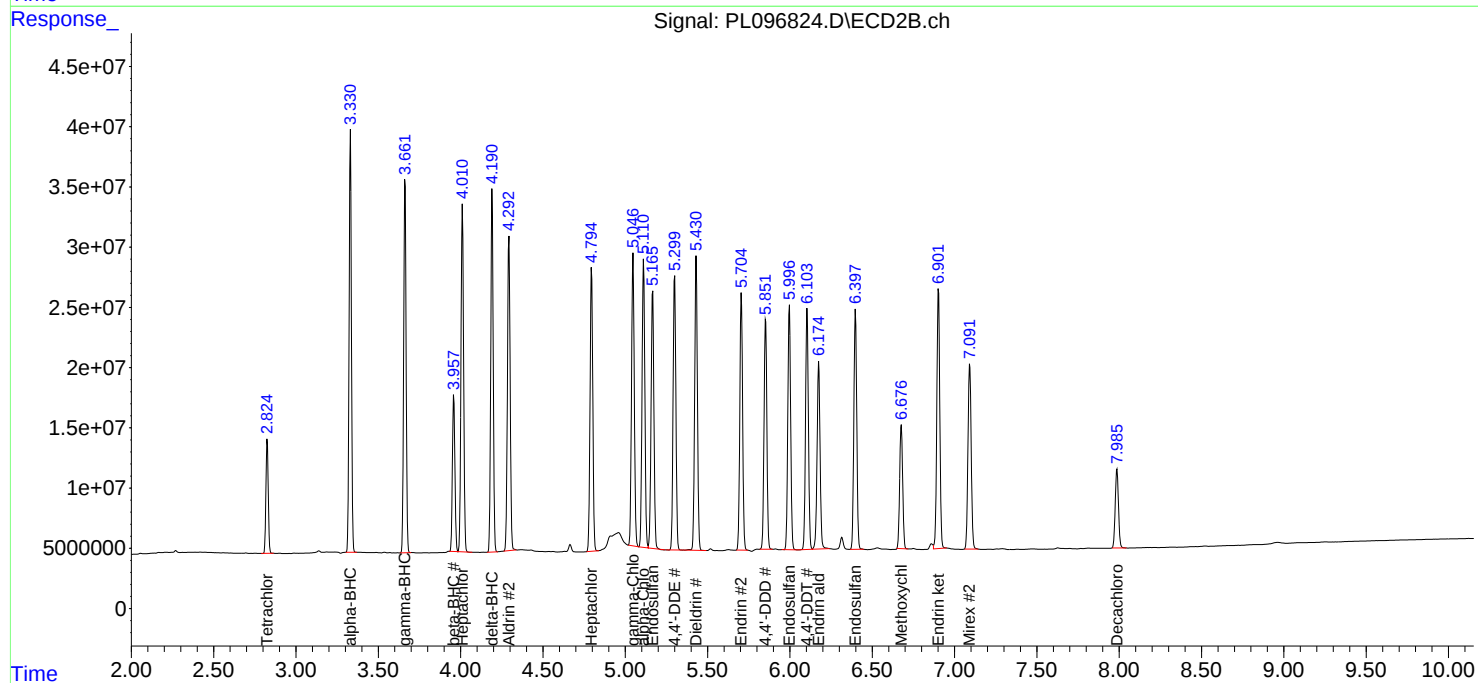
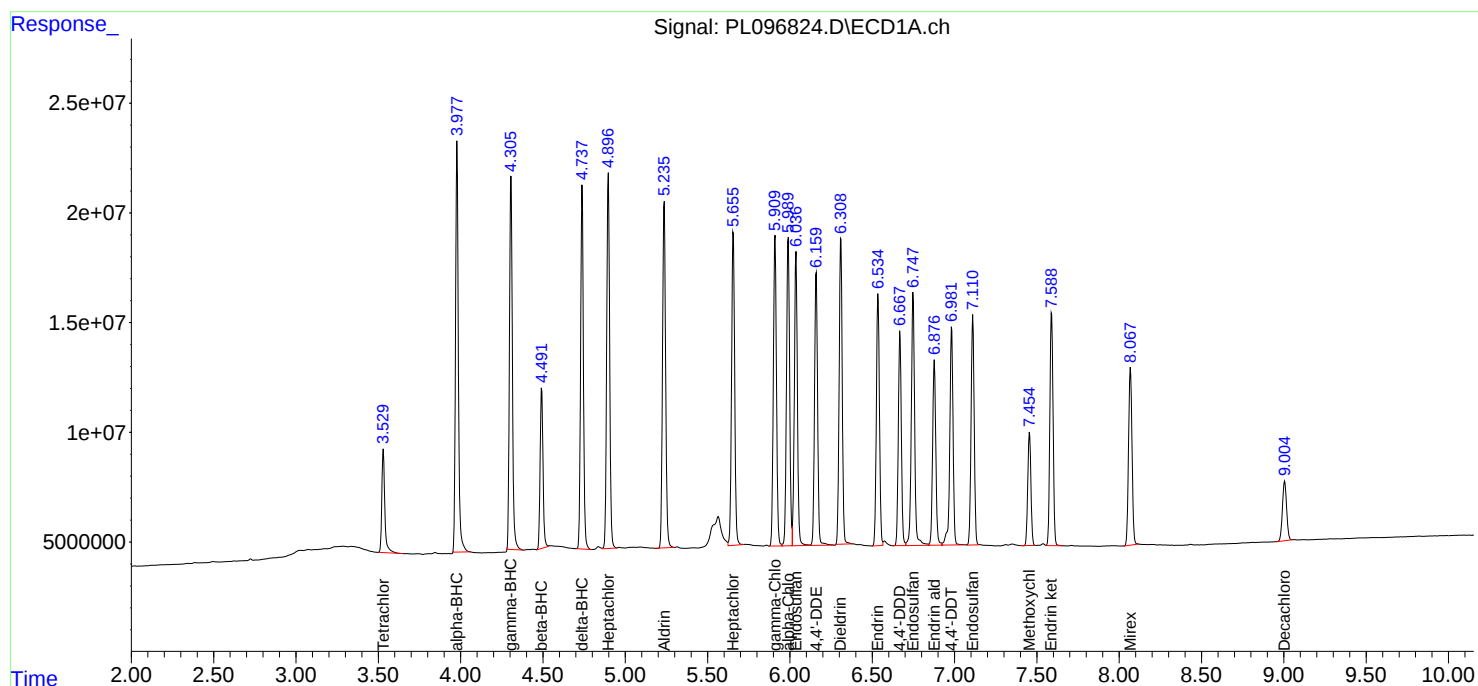
Instrument :
ECD_L
ClientSampleId :
PB169225BSD

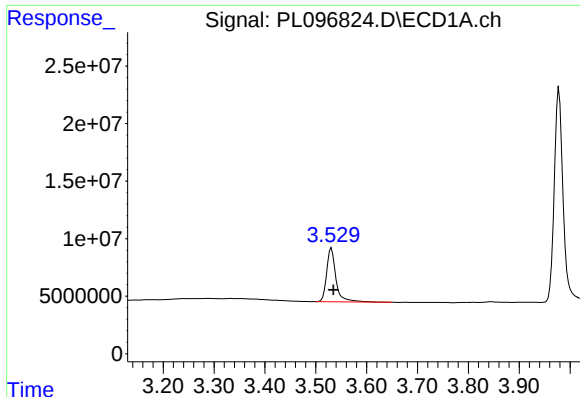
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
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QLast Update : Fri Aug 08 15:43:38 2025
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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.: 3.531 min
Delta R.T.: -0.004 min
Response: 59543401
Conc: 18.72 ng/ml

Instrument :

ECD_L

ClientSampleId :

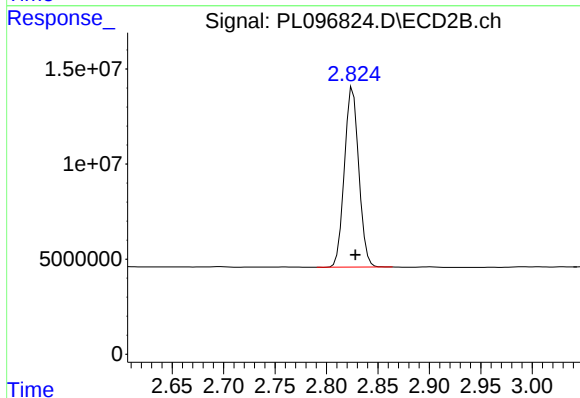
PB169225BSD

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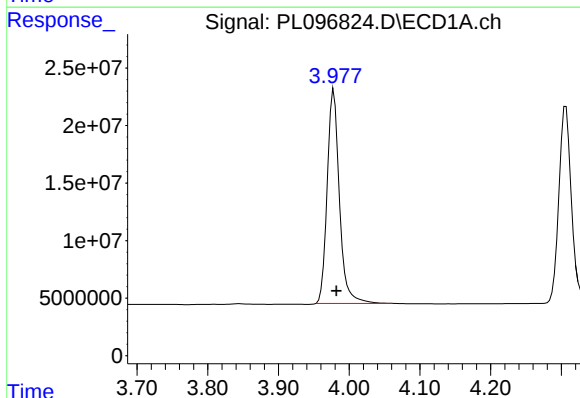
Reviewed By :Abdul Mirza 08/18/2025

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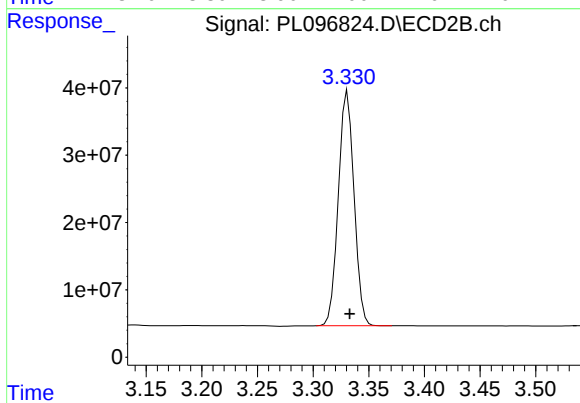
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91996171
Conc: 19.26 ng/ml



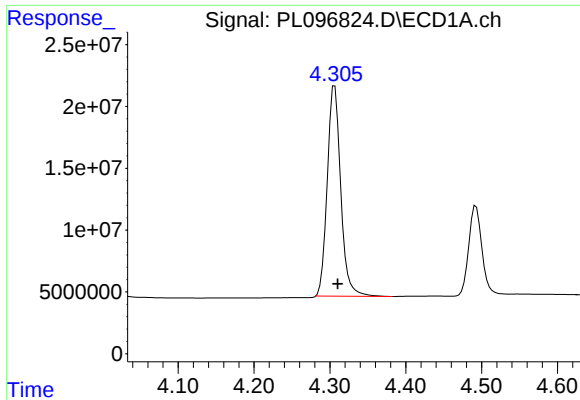
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 223157039
Conc: 48.24 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 342828244
Conc: 48.44 ng/ml



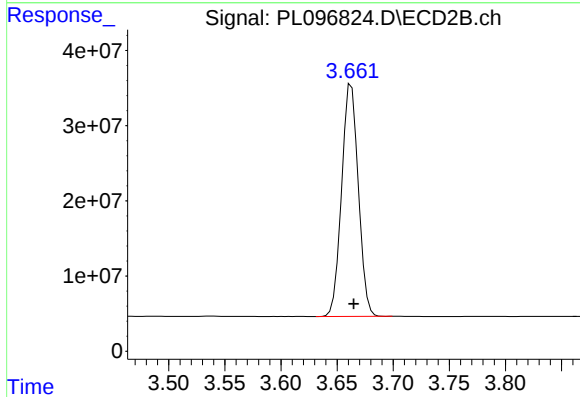
#3 gamma-BHC (Lindane)

R.T.: 4.306 min
Delta R.T.: -0.004 min
Response: 210273174
Conc: 47.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

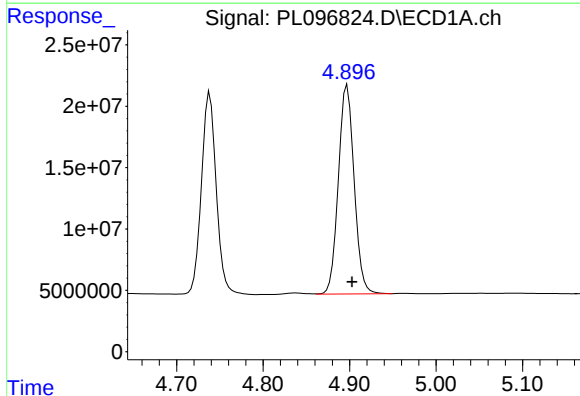
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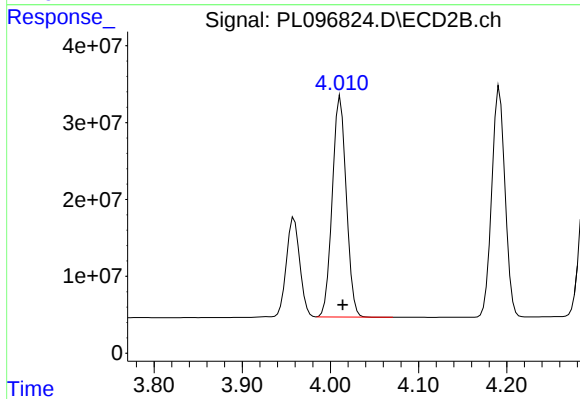
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 320012087
Conc: 48.46 ng/ml



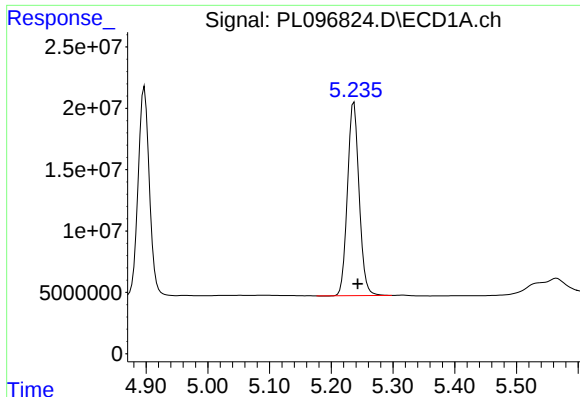
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.005 min
Response: 214539353
Conc: 51.63 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 317116974
Conc: 47.60 ng/ml



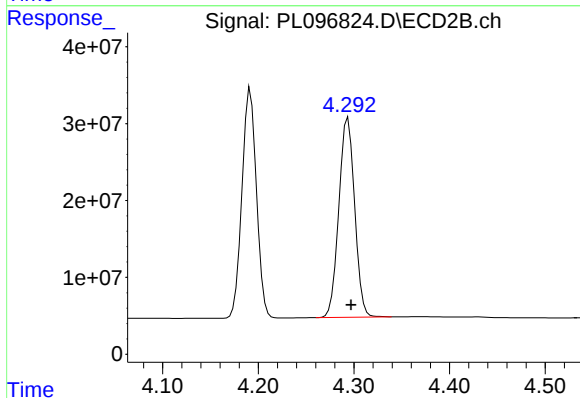
#5 Aldrin

R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 207221296
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

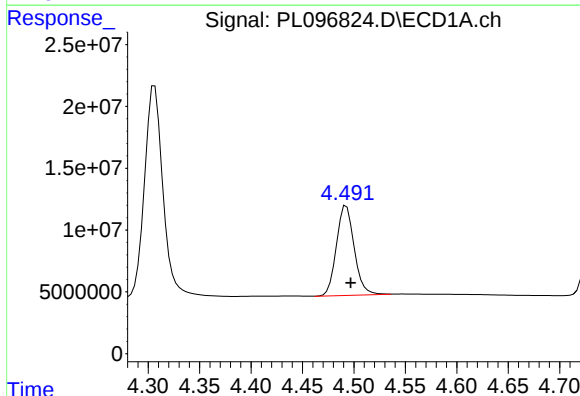
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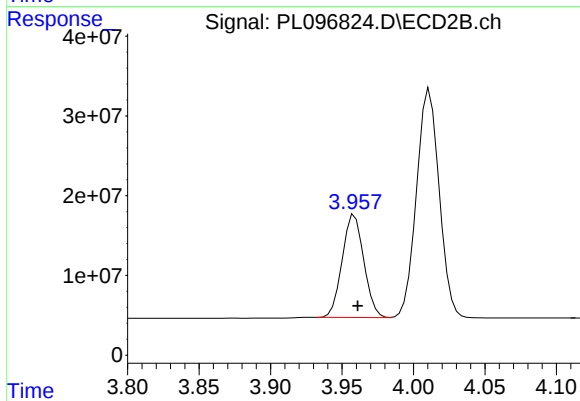
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 299191263
Conc: 48.20 ng/ml



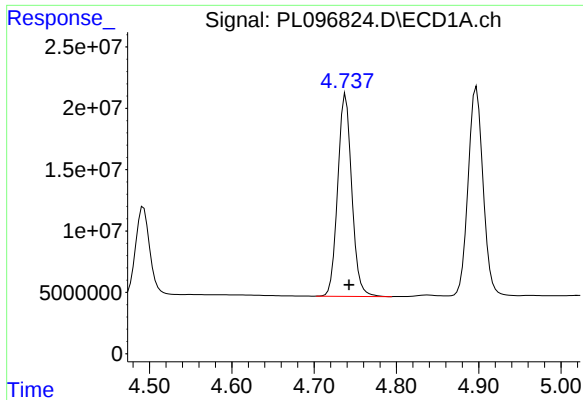
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 87600808
Conc: 48.53 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 135784500
Conc: 48.14 ng/ml



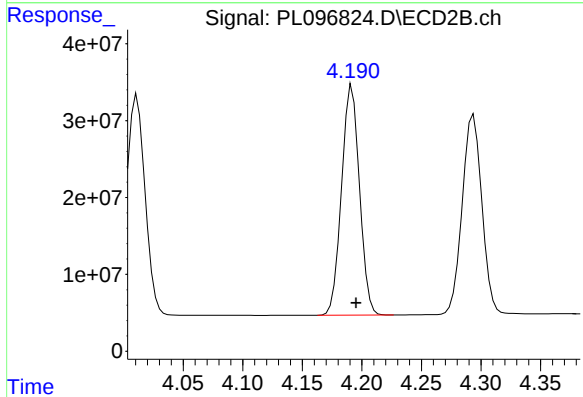
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 195226463
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

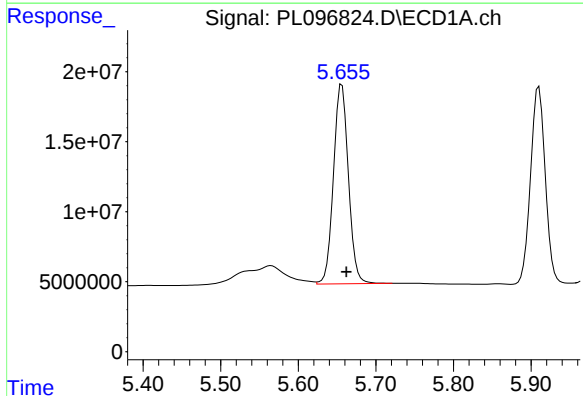
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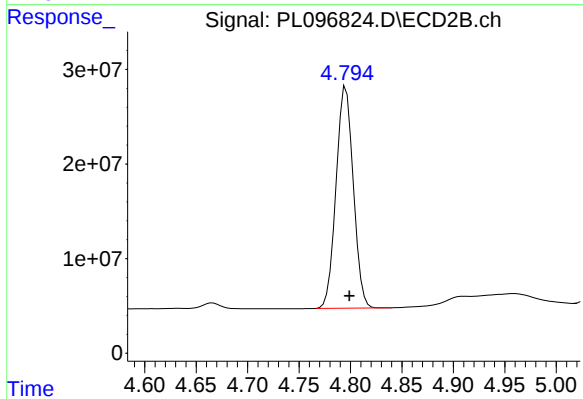
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 313372209
Conc: 48.41 ng/ml



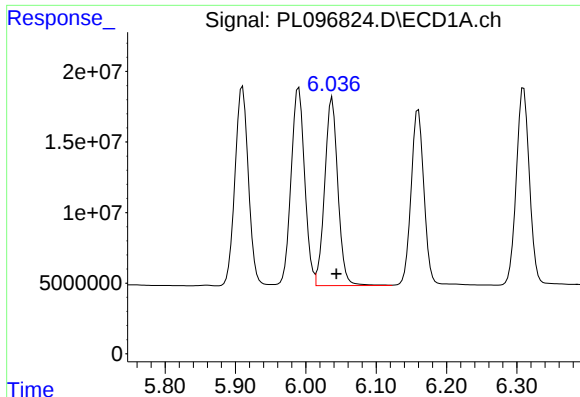
#8 Heptachlor epoxide

R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 190649519
Conc: 49.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 273458365
Conc: 47.88 ng/ml



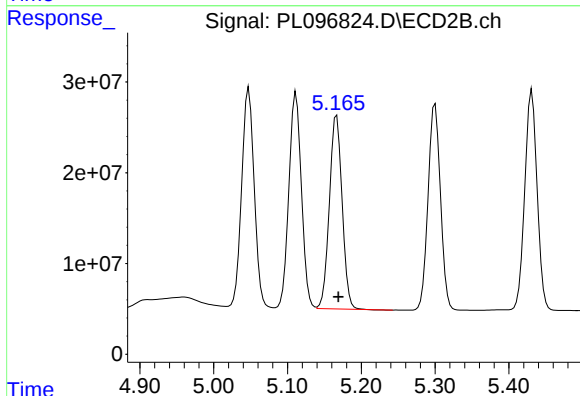
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 173622932
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

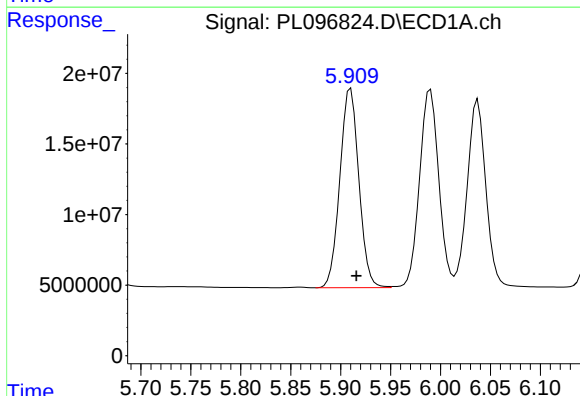
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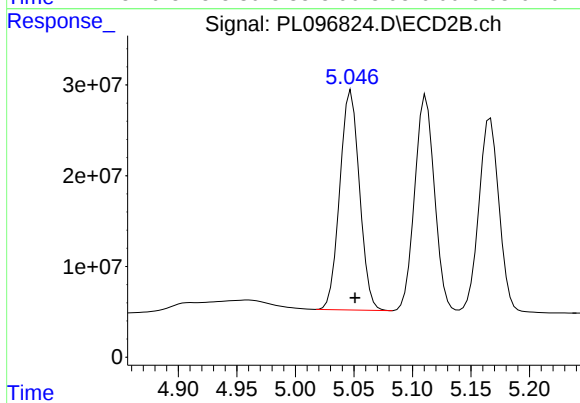
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 255405216
Conc: 46.17 ng/ml



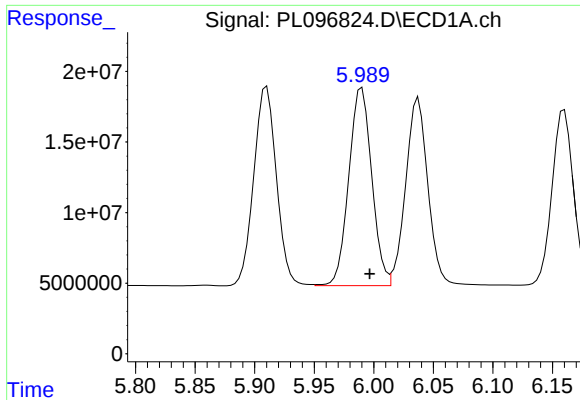
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 186943063
Conc: 49.13 ng/ml



#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 283843264
Conc: 48.27 ng/ml



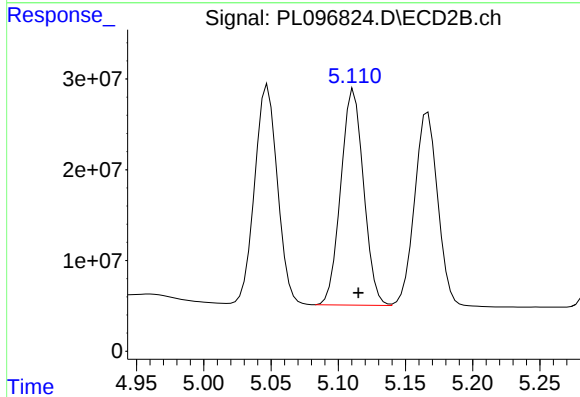
#11 alpha-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 188211879
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

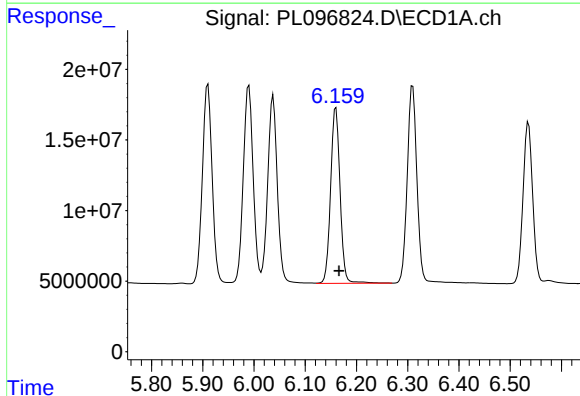
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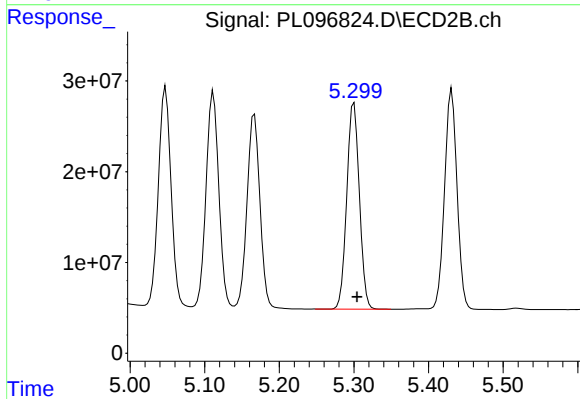
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 280162453
Conc: 47.49 ng/ml



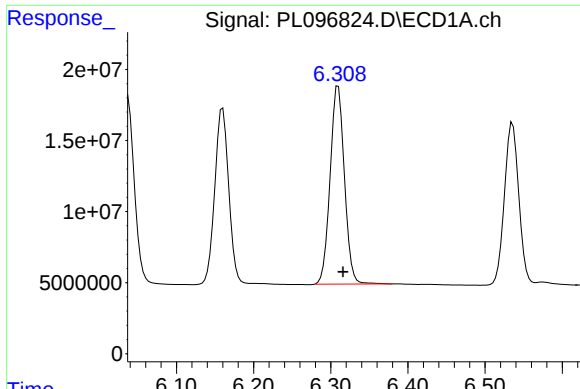
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 159539795
Conc: 49.68 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 265892329
Conc: 48.22 ng/ml



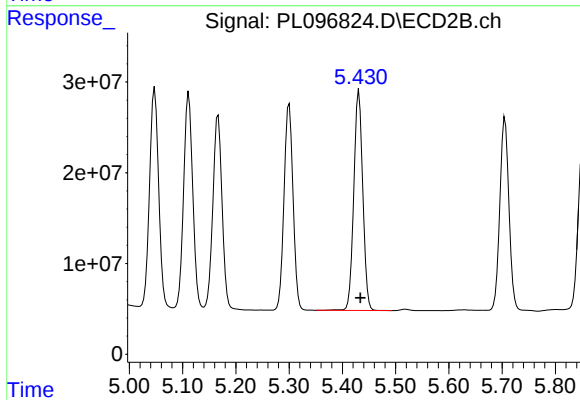
#13 Dieldrin

R.T.: 6.310 min
Delta R.T.: -0.006 min
Response: 180156209
Conc: 48.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

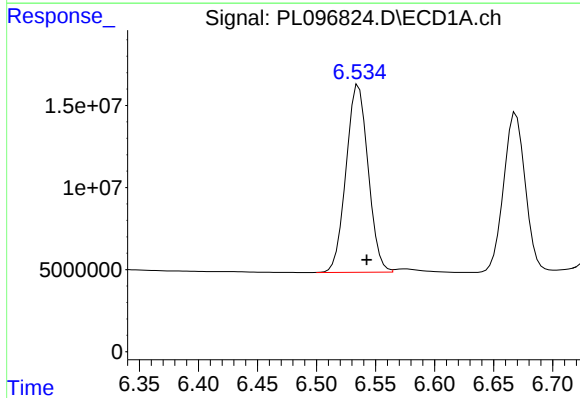
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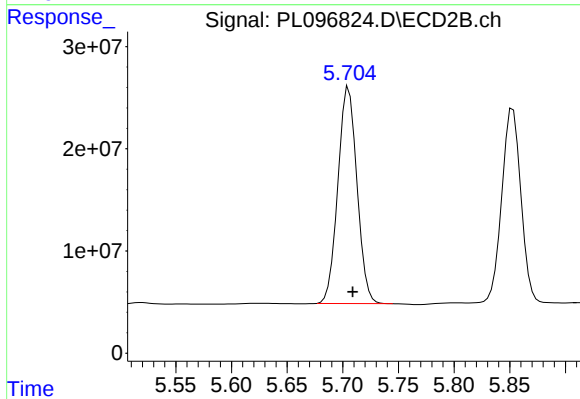
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 284082332
Conc: 48.10 ng/ml



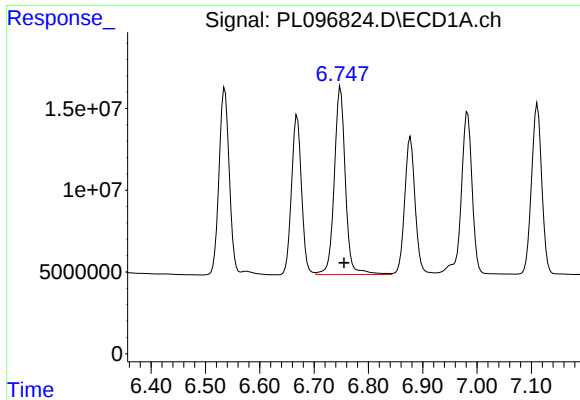
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 148884541
Conc: 49.19 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 253142704
Conc: 46.83 ng/ml



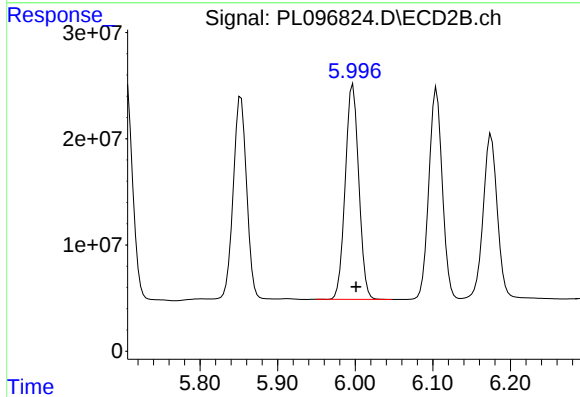
#15 Endosulfan II

R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 162781600
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

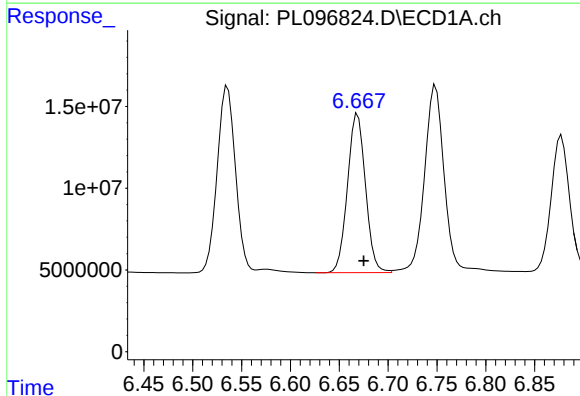
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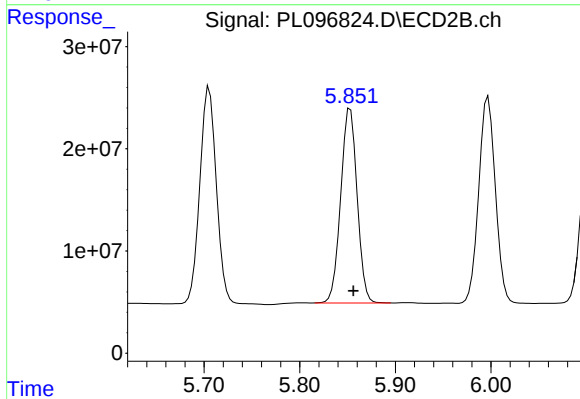
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 245214434
Conc: 47.74 ng/ml



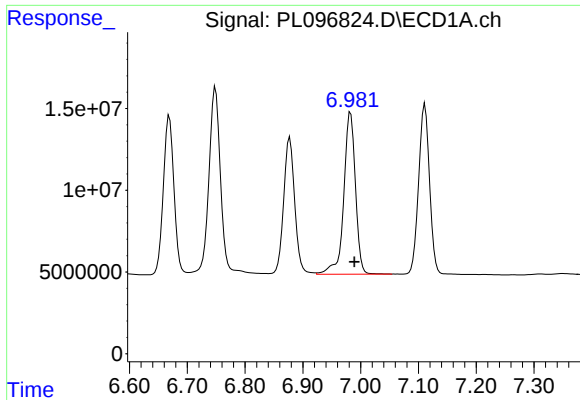
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 124651862
Conc: 49.30 ng/ml



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 227687881
Conc: 48.39 ng/ml



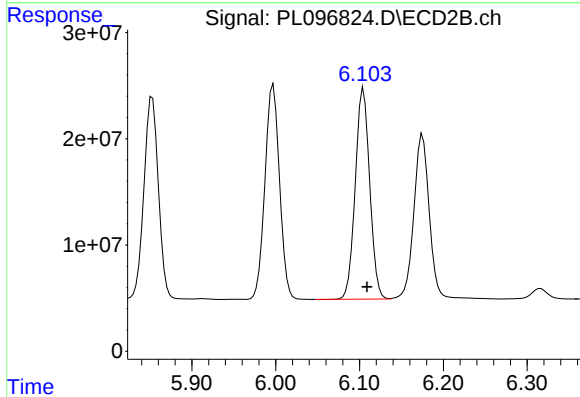
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 138211624
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

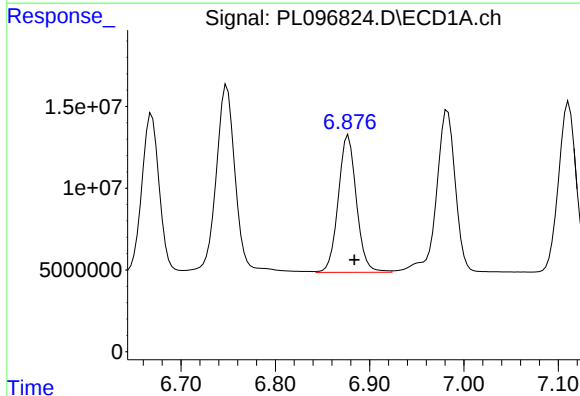
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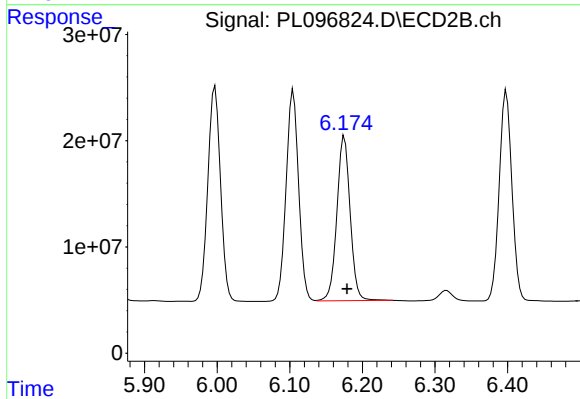
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 238126866
Conc: 47.08 ng/ml



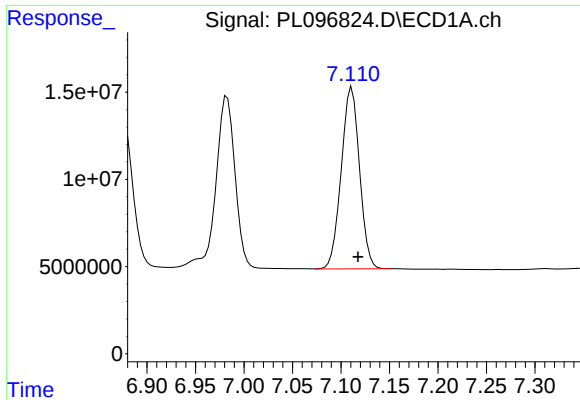
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 112065931
Conc: 52.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 196634214
Conc: 54.09 ng/ml



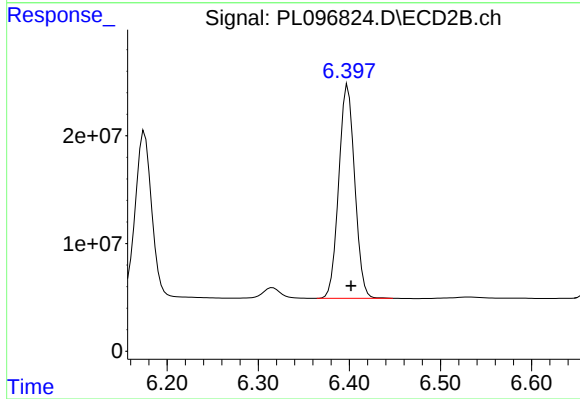
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 136556540
Conc: 47.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

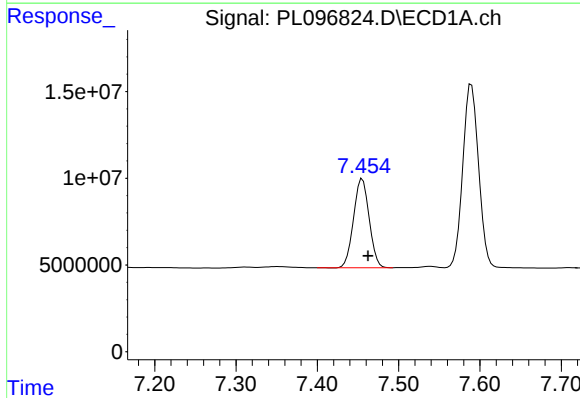
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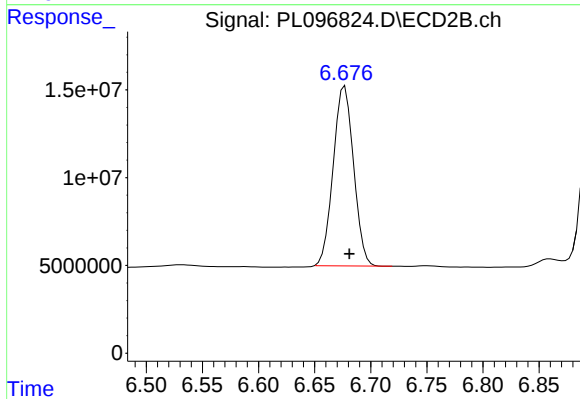
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 241352693
Conc: 47.45 ng/ml



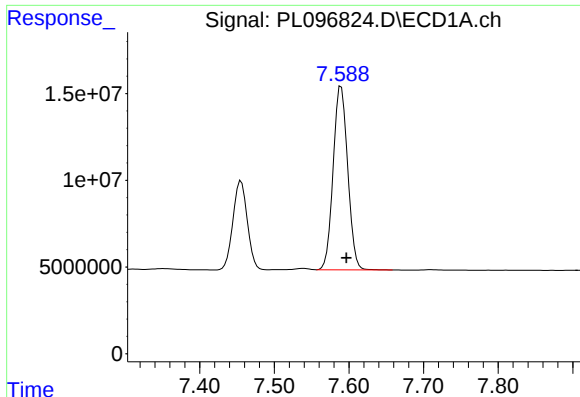
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 68285598
Conc: 46.50 ng/ml



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 129462927
Conc: 47.24 ng/ml



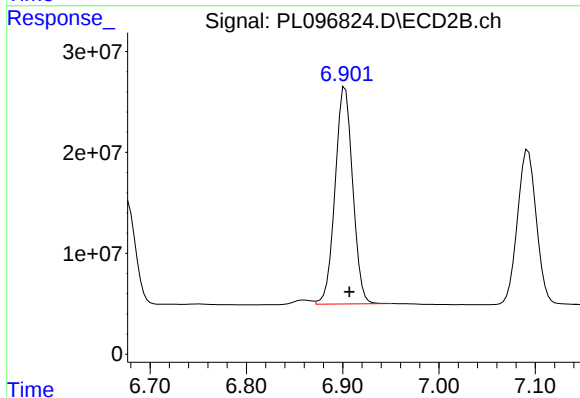
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 143858655
Conc: 47.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

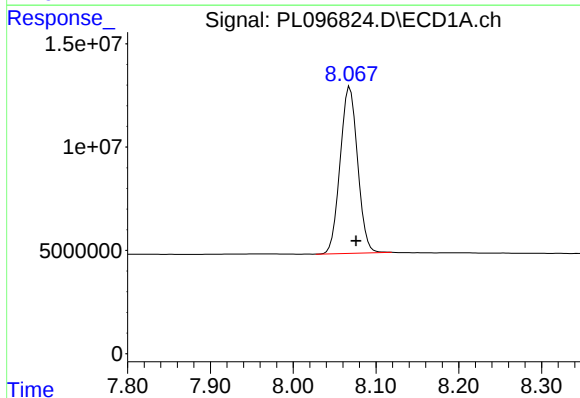
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



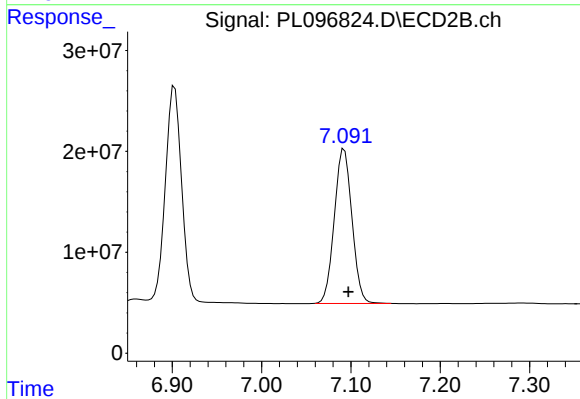
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 273236792
Conc: 49.06 ng/ml



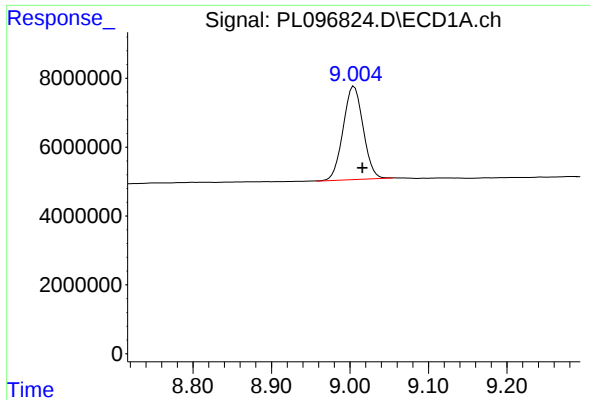
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 118237062
Conc: 47.69 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 210019786
Conc: 48.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48180370
Conc: 20.20 ng/ml

Instrument :

ECD_L

ClientSampleId :

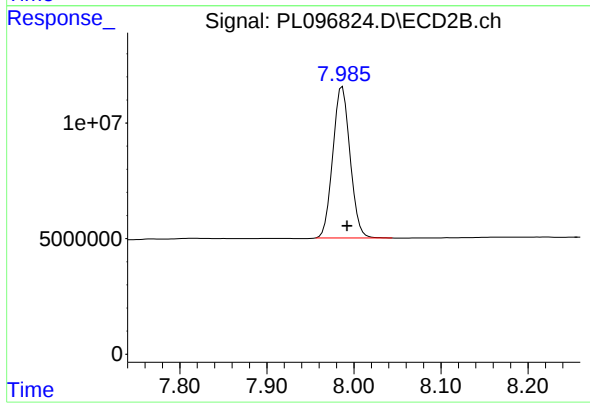
PB169225BSD

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 90356362
Conc: 20.83 ng/ml