

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032725\
 Data File : PL094904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 15:53
 Operator : AR\AJ
 Sample : PB167348BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167348BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 01:57:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.541	2.769	54236454	70189472	19.160	19.665
28) SA Decachlor...	9.057	7.903	46654315	84431253	22.138	20.902
Target Compounds						
2) A alpha-BHC	3.998	3.271	201.2E6	309.3E6	48.453	57.374
3) MA gamma-BHC...	4.330	3.600	193.4E6	286.3E6	48.474	55.705
4) MA Heptachlor	4.918	3.938	187.0E6	281.4E6	48.183	53.413
5) MB Aldrin	5.259	4.218	177.7E6	263.4E6	48.124	54.020
6) B beta-BHC	4.529	3.901	88936702	123.8E6	48.198	55.741
7) B delta-BHC	4.776	4.130	169.9E6	237.0E6	43.620	47.387
8) B Heptachlo...	5.686	4.720	166.6E6	250.1E6	49.817	54.624
9) A Endosulfan I	6.072	5.090	156.6E6	236.0E6	51.008	53.776
10) B gamma-Chl...	5.943	4.969	168.3E6	262.1E6	49.937	54.278m
11) B alpha-Chl...	6.021	5.034	166.9E6	257.8E6	50.628	54.022
12) B 4,4'-DDE	6.195	5.221	165.5E6	264.3E6	56.254	56.860m
13) MA Dieldrin	6.347	5.353	165.5E6	265.9E6	51.746	54.811m
14) MA Endrin	6.575	5.628	137.2E6	242.5E6	49.505m	55.569m
15) B Endosulfa...	6.797	5.925	141.8E6	242.1E6	52.242	55.929
16) A 4,4'-DDD	6.713	5.778	126.7E6	220.2E6	58.513	61.224
17) MA 4,4'-DDT	7.026	6.028	129.3E6	231.3E6	54.345	57.353
18) B Endrin al...	6.927	6.104	108.4E6	186.8E6	51.336	55.504
19) B Endosulfa...	7.162	6.328	125.2E6	229.6E6	51.500	56.368
20) A Methoxychlor	7.503	6.604	67425964	126.1E6	56.326	59.473
21) B Endrin ke...	7.646	6.831	144.3E6	284.3E6	54.608	59.562m
22) Mirex	8.118	7.012	106.5E6	207.2E6	51.523	54.593

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032725\
Data File : PL094904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:53
Operator : AR\AJ
Sample : PB167348BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167348BS

Manual Integrations

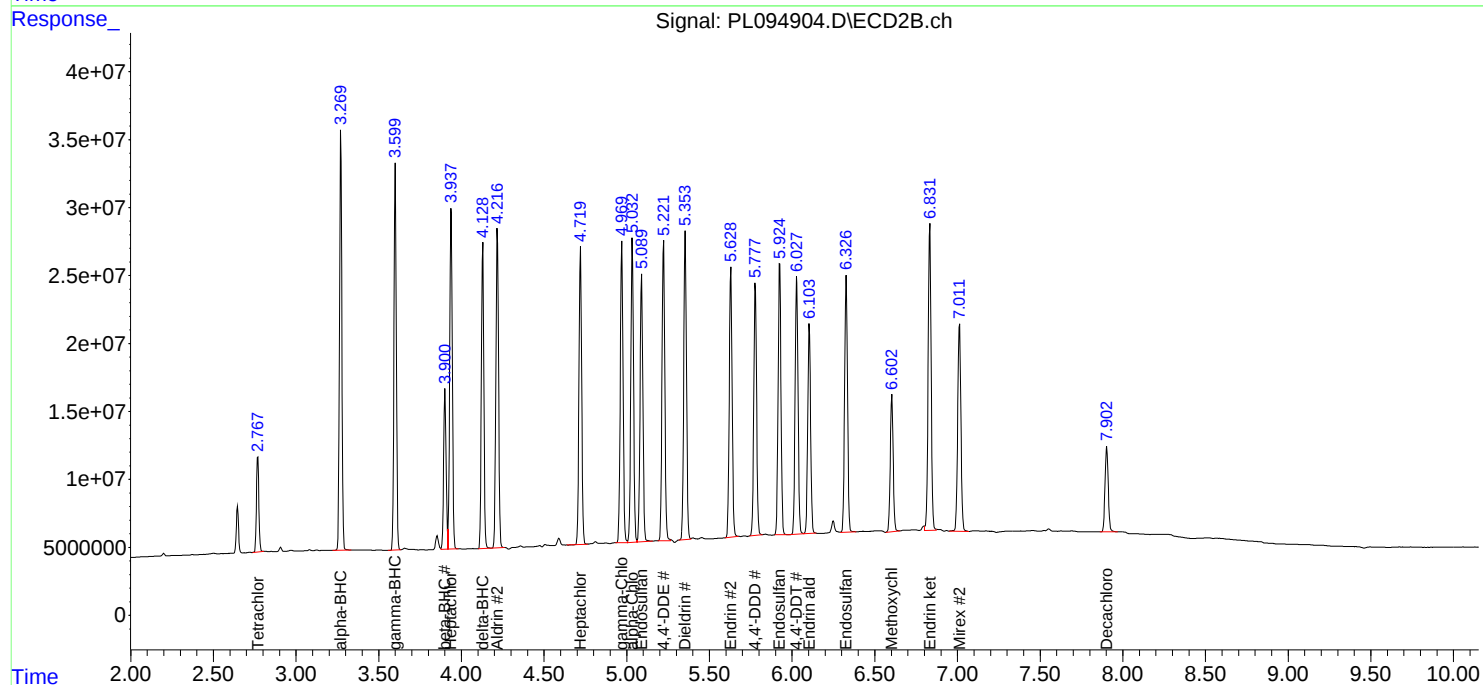
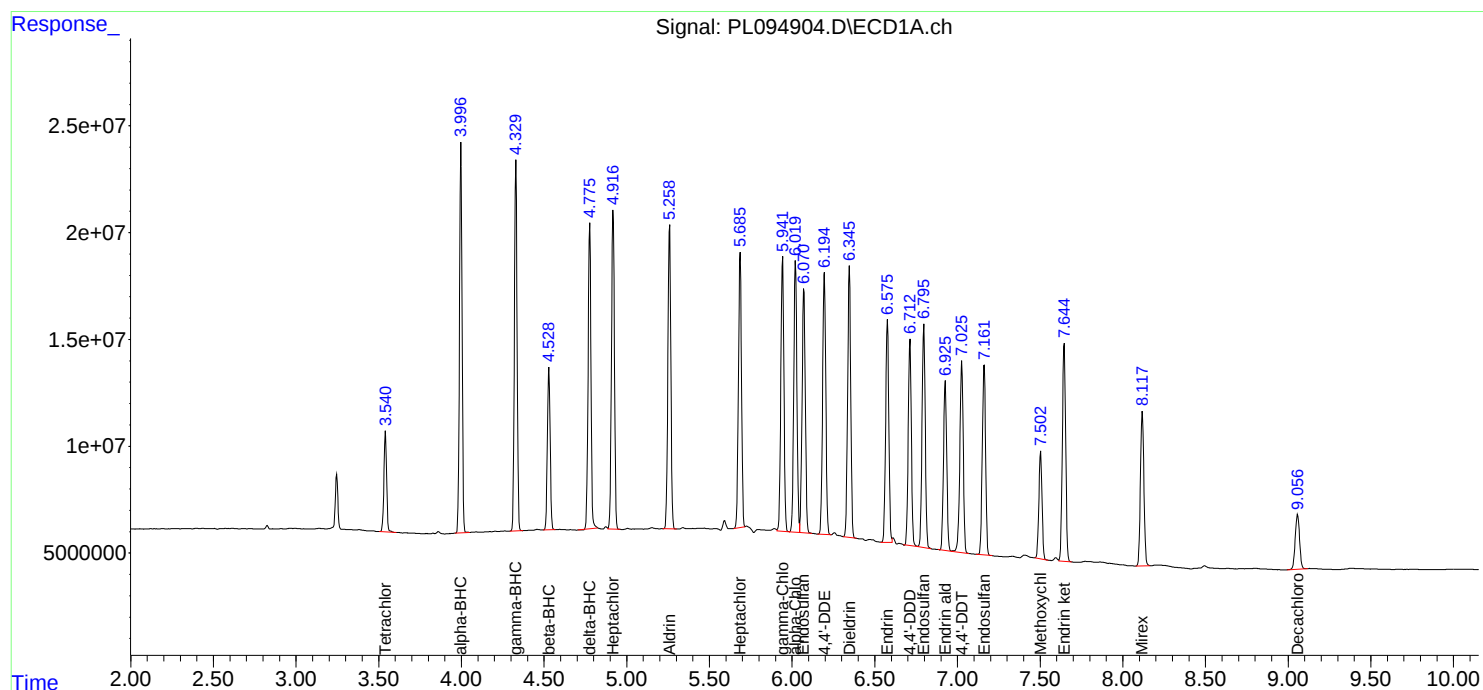
APPROVED

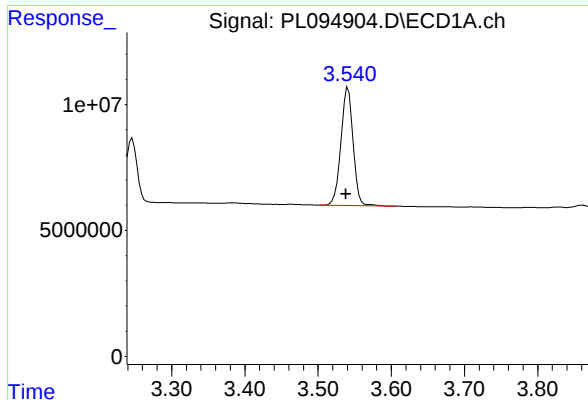
Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:57:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





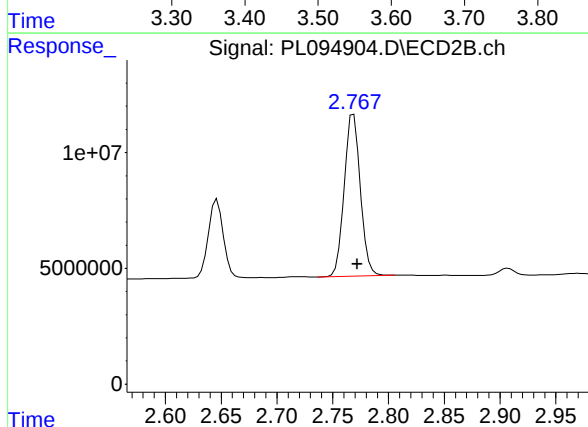
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 54236454
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

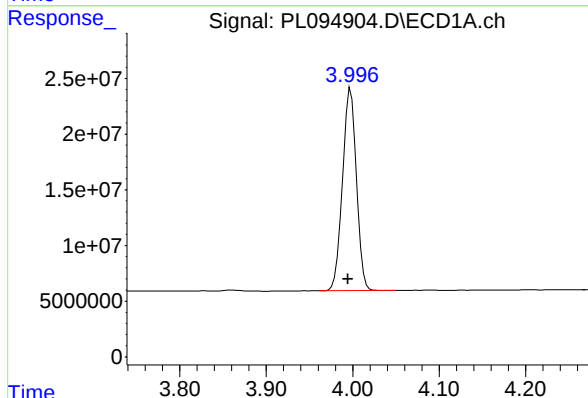
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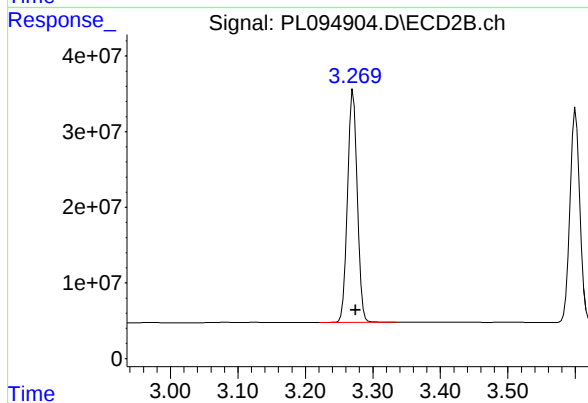
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 70189472
Conc: 19.66 ng/ml



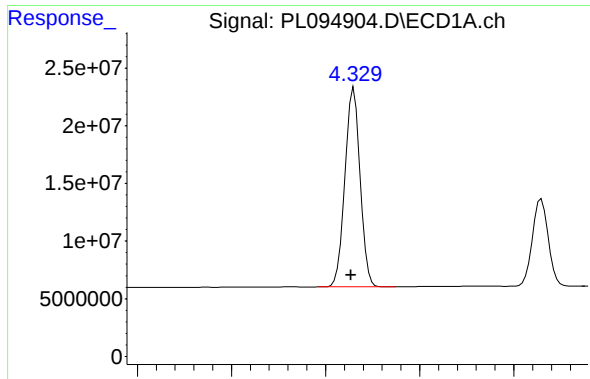
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 201193321
Conc: 48.45 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 309324003
Conc: 57.37 ng/ml



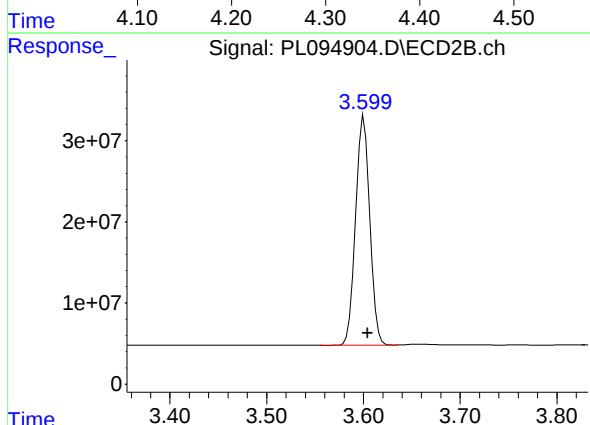
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 193426183
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

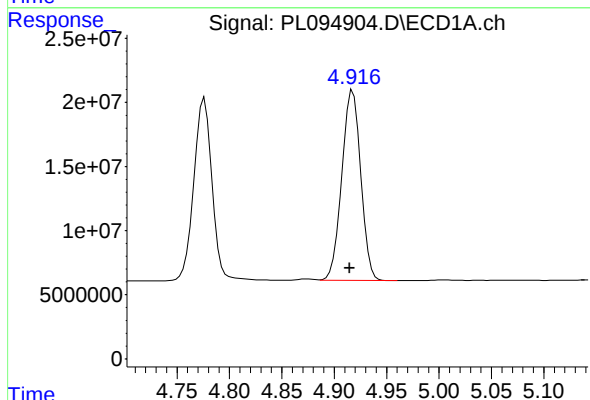
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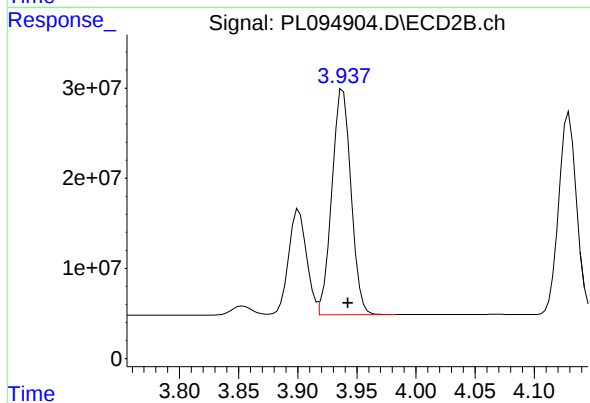
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 286292830
Conc: 55.70 ng/ml



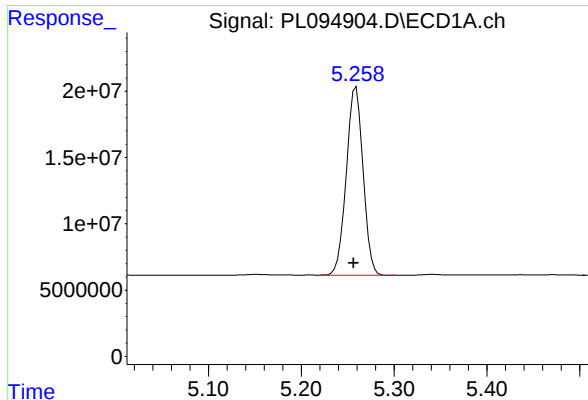
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.003 min
Response: 187026469
Conc: 48.18 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.004 min
Response: 281412597
Conc: 53.41 ng/ml



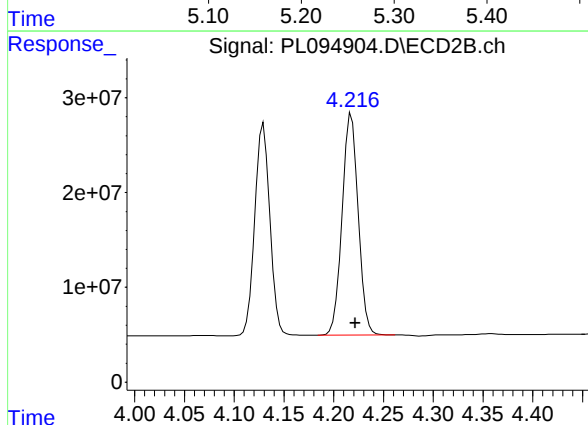
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.003 min
Response: 177684241
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

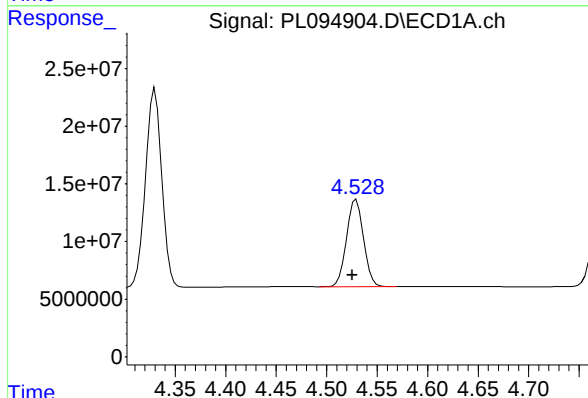
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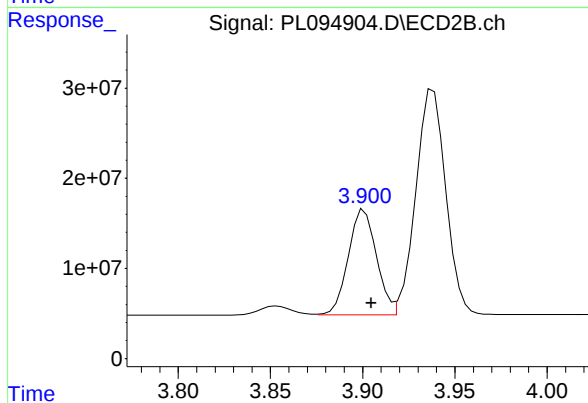
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 263422286
Conc: 54.02 ng/ml



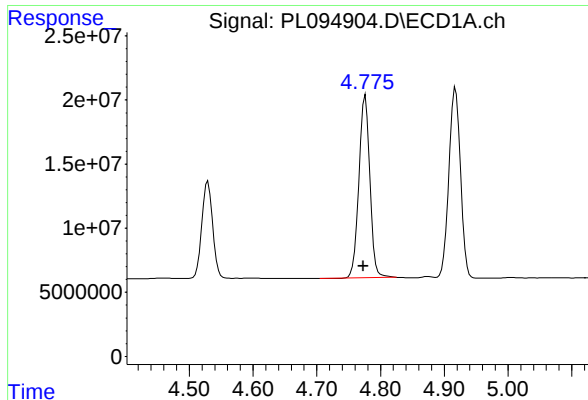
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 88936702
Conc: 48.20 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 123817150
Conc: 55.74 ng/ml



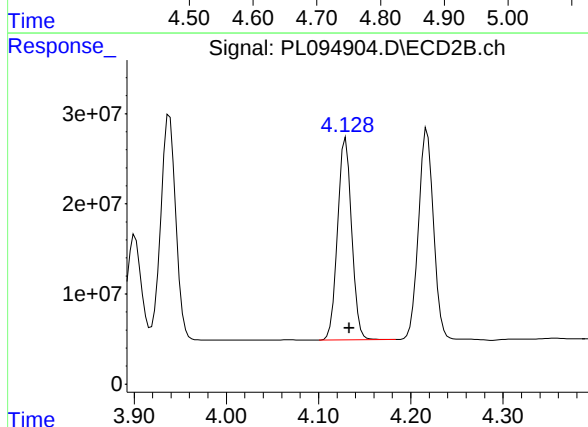
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.004 min
Response: 169869021
Conc: 43.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

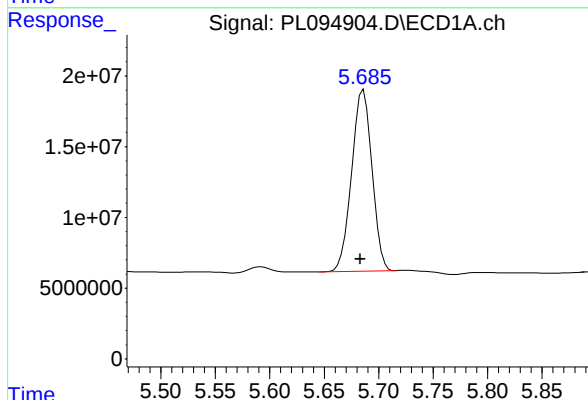
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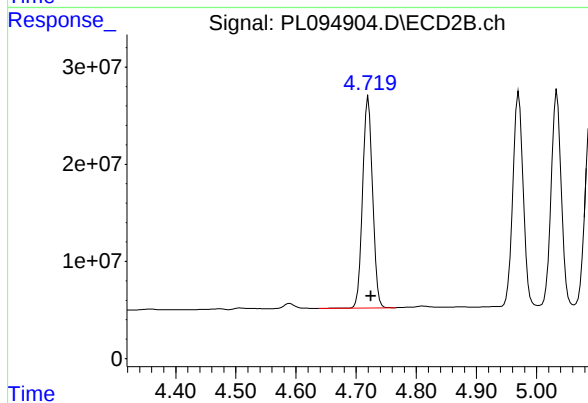
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.004 min
Response: 237029752
Conc: 47.39 ng/ml



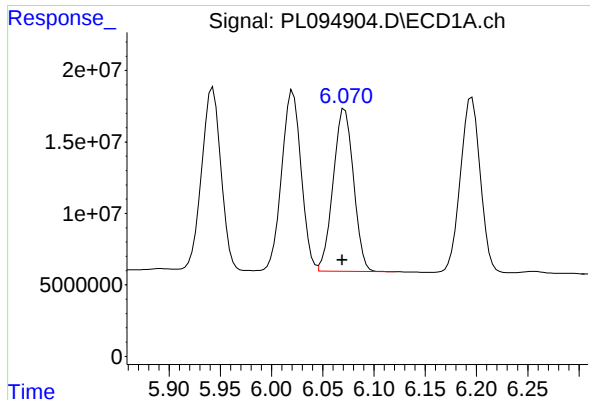
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.003 min
Response: 166647768
Conc: 49.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 250099951
Conc: 54.62 ng/ml



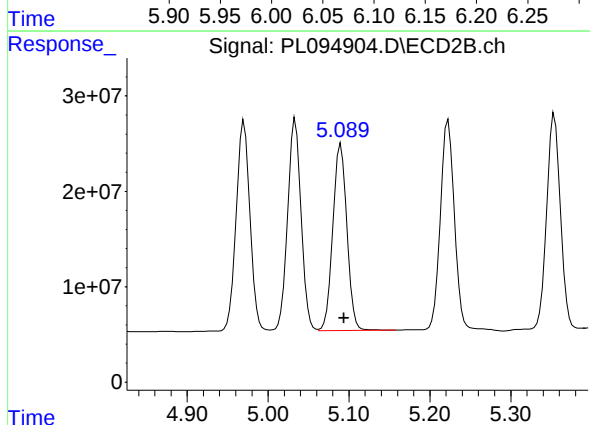
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.002 min
Response: 156604422
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

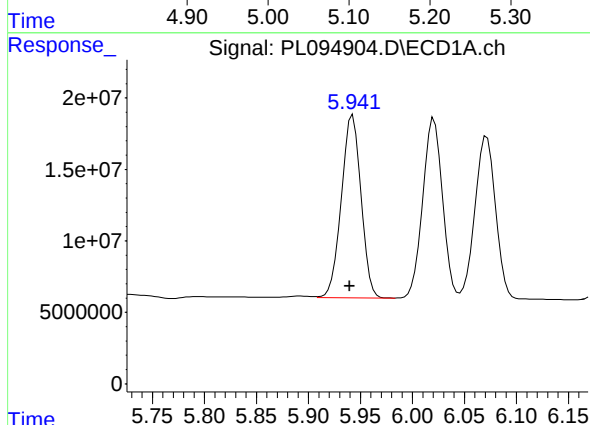
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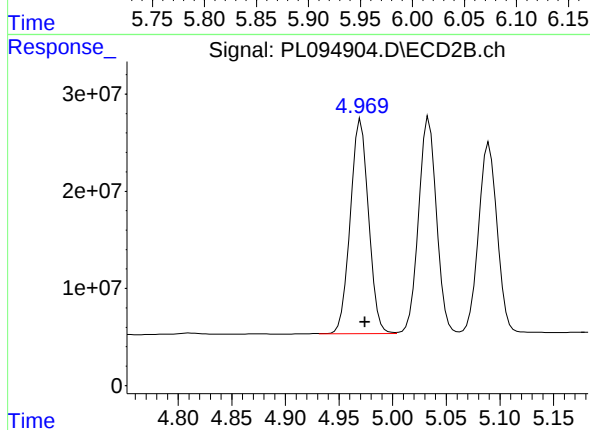
#9 Endosulfan I

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 236008190
Conc: 53.78 ng/ml



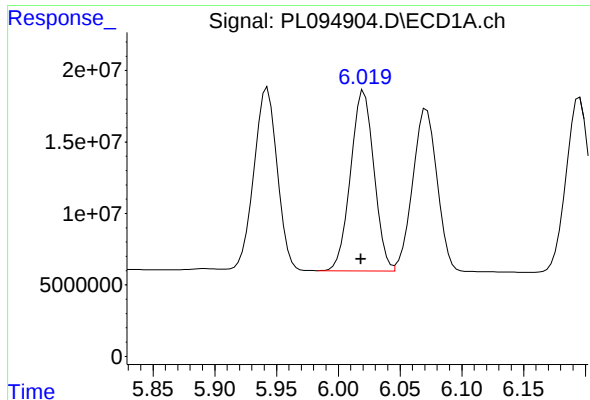
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.003 min
Response: 168255648
Conc: 49.94 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 262076049
Conc: 54.28 ng/ml m



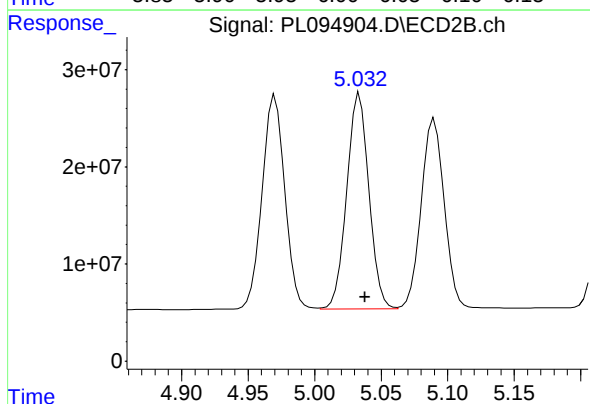
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 166911413
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

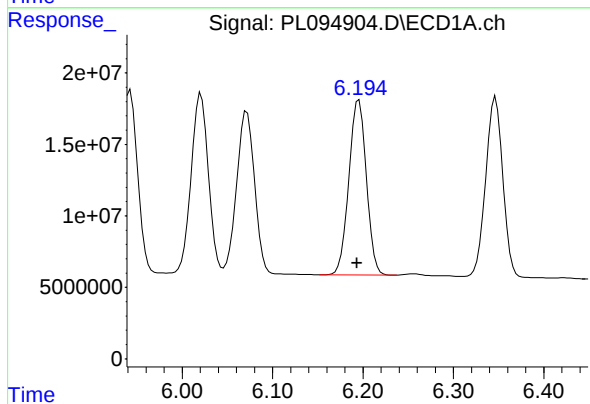
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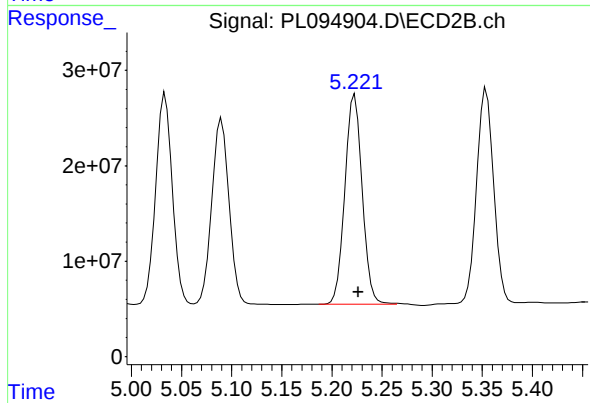
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.004 min
Response: 257833616
Conc: 54.02 ng/ml



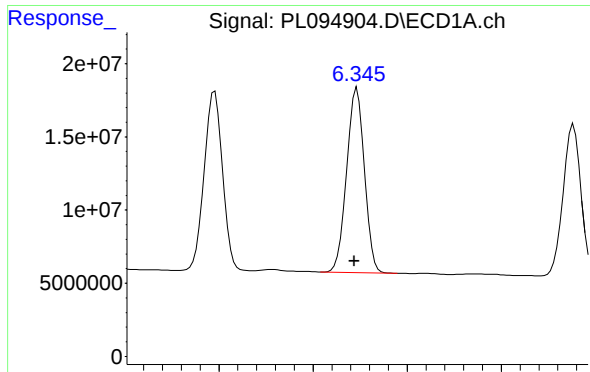
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 165503096
Conc: 56.25 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 264313206
Conc: 56.86 ng/ml m



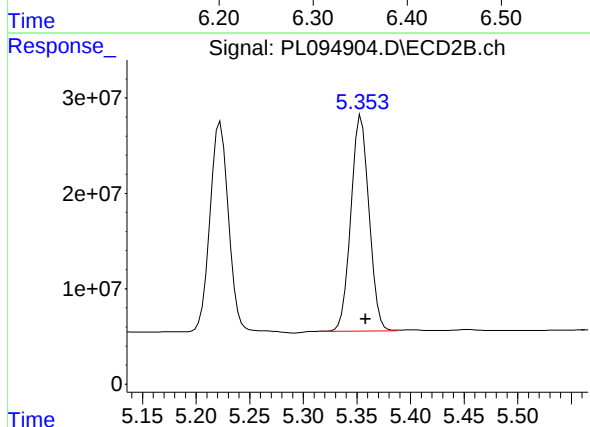
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 165491593
Conc: 51.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

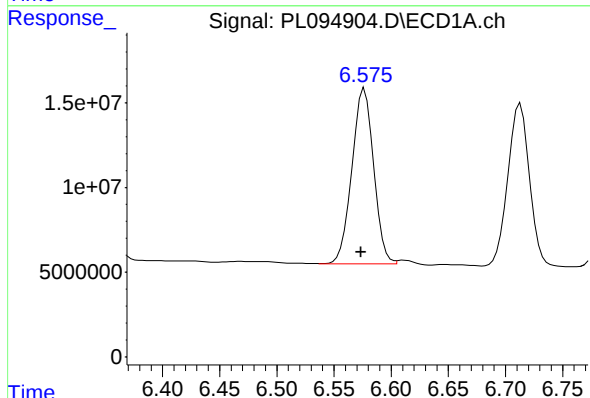
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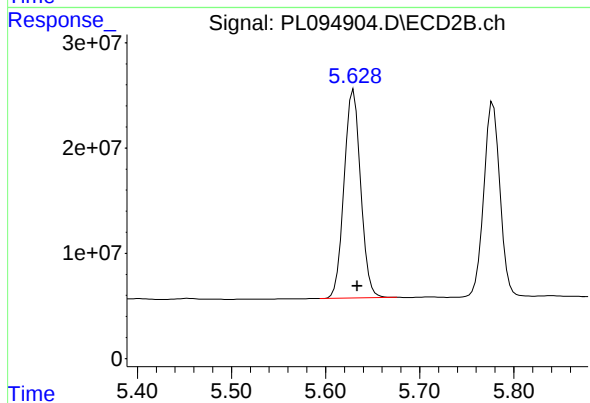
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 265932546
Conc: 54.81 ng/ml



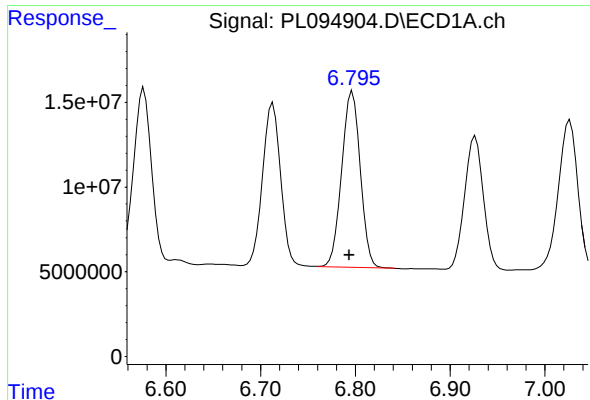
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.002 min
Response: 137230678
Conc: 49.50 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 242482865
Conc: 55.57 ng/ml



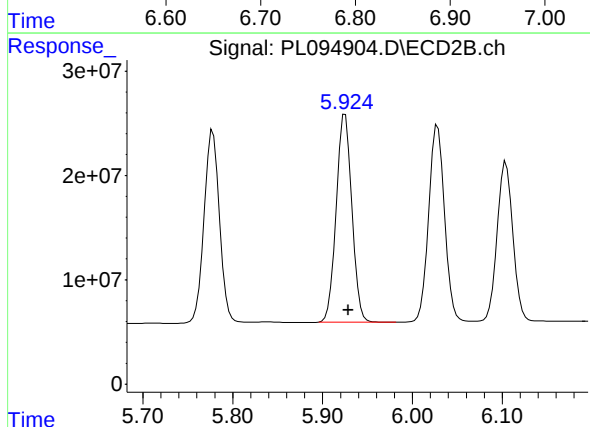
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.003 min
Response: 141823366
Conc: 52.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

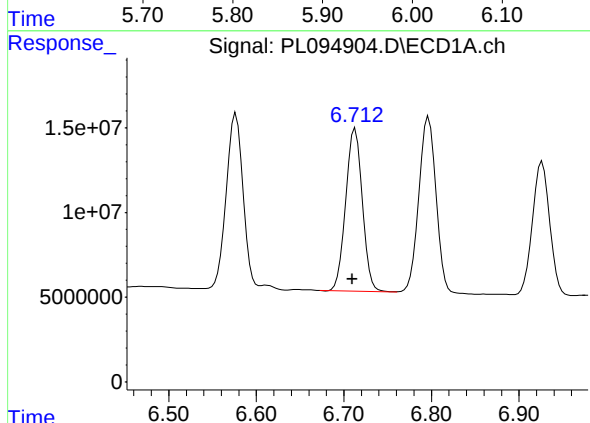
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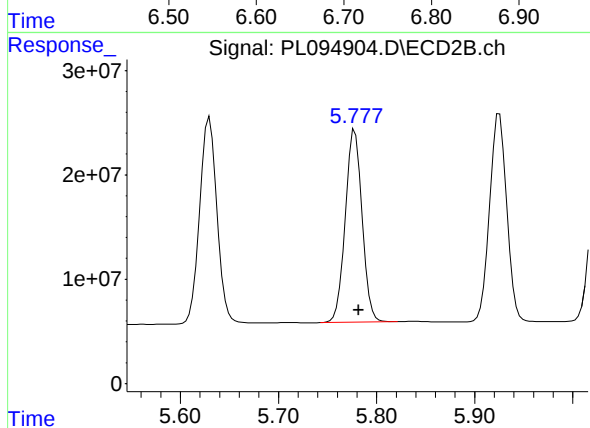
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 242073846
Conc: 55.93 ng/ml



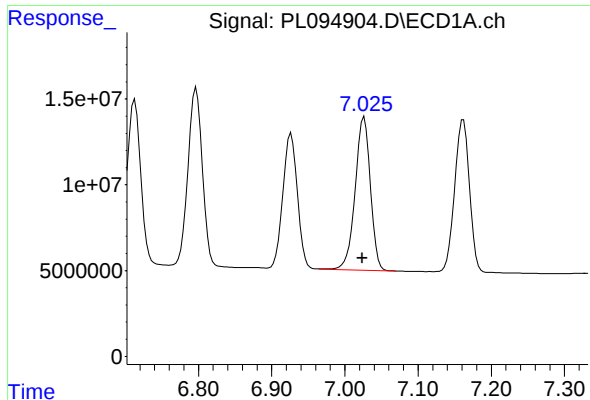
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 126744145
Conc: 58.51 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 220154917
Conc: 61.22 ng/ml



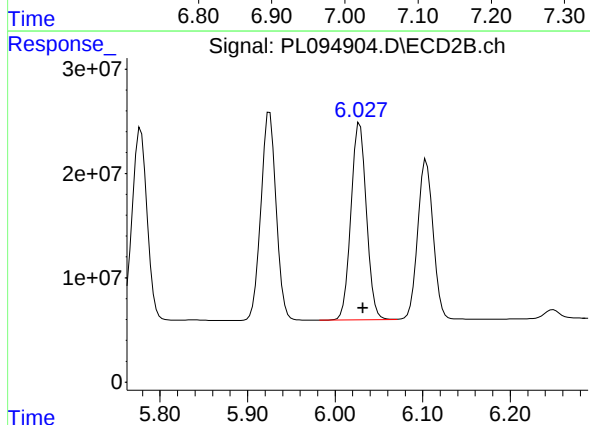
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 129262767
Conc: 54.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

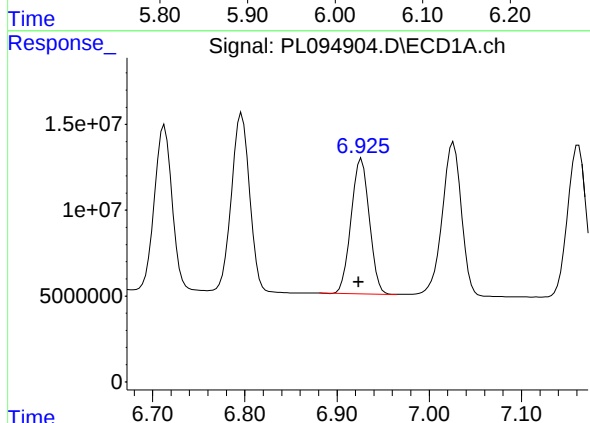
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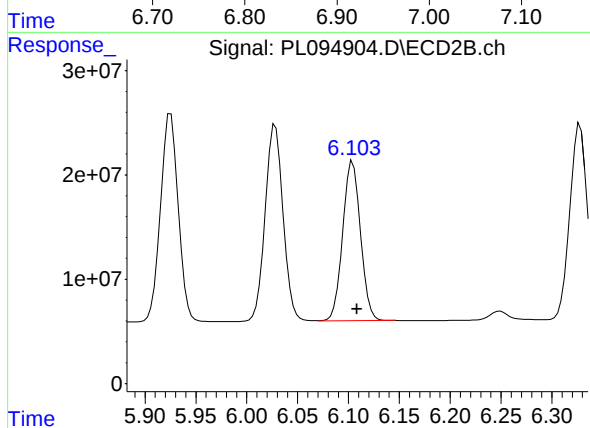
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 231252887
Conc: 57.35 ng/ml



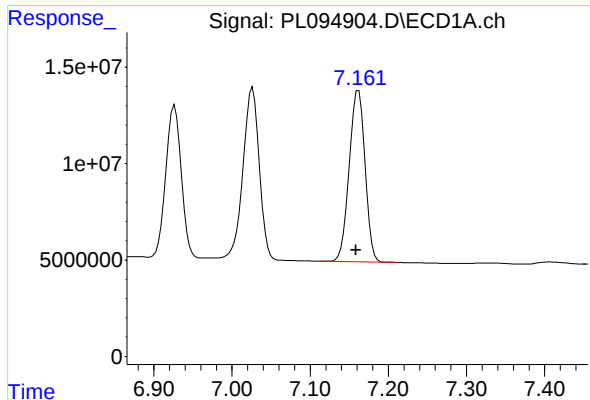
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.003 min
Response: 108370046
Conc: 51.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 186792100
Conc: 55.50 ng/ml



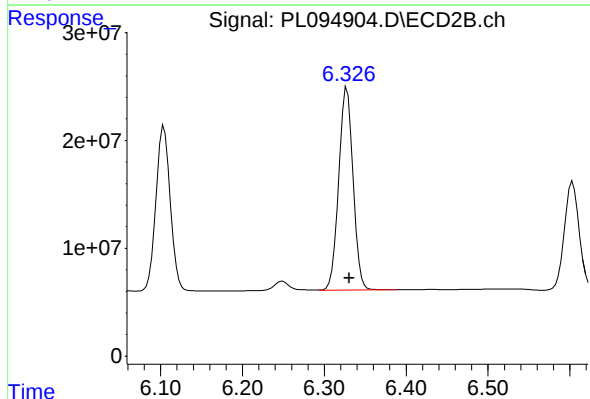
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.003 min
Response: 125248278
Conc: 51.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

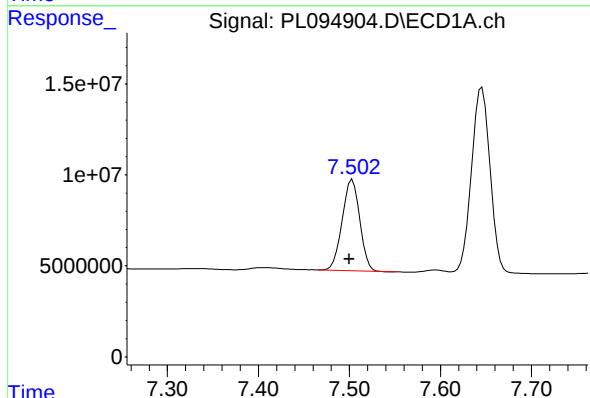
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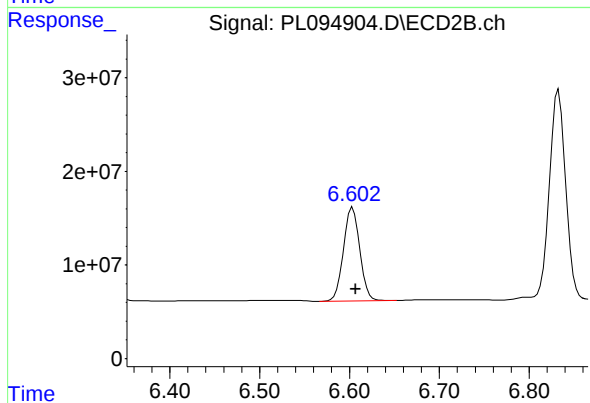
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 229611753
Conc: 56.37 ng/ml



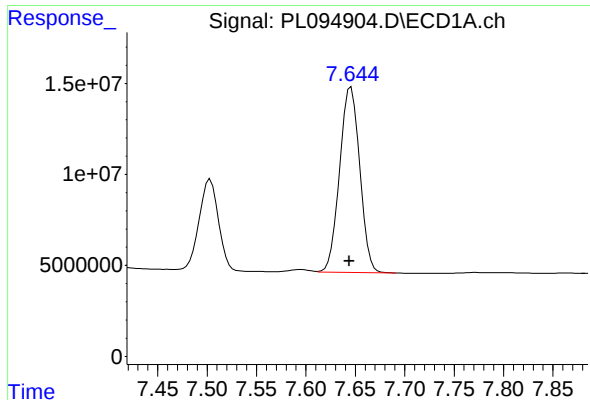
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.004 min
Response: 67425964
Conc: 56.33 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 126146992
Conc: 59.47 ng/ml



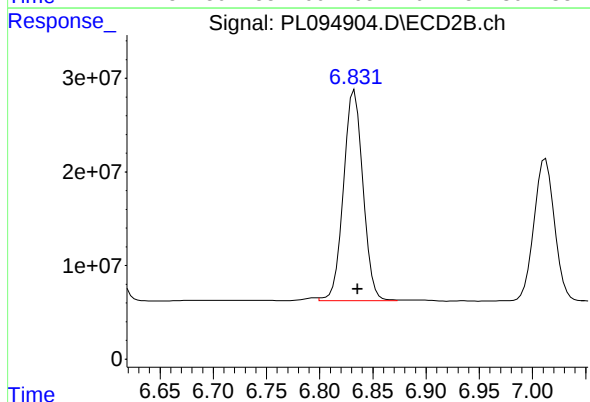
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 144344897
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

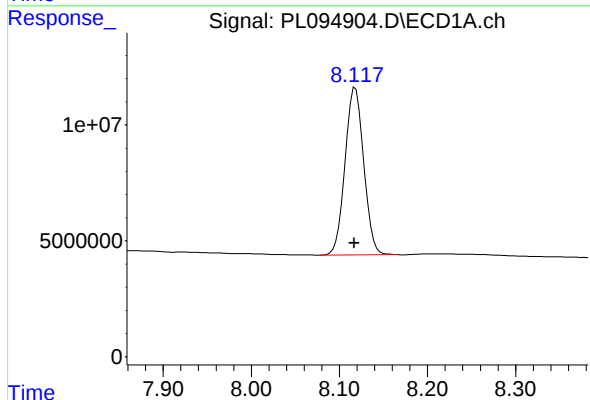
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



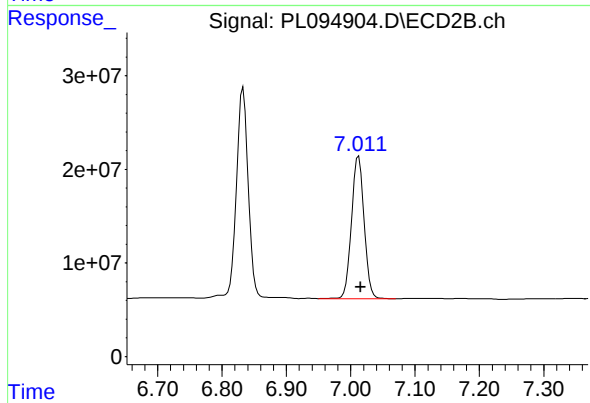
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 284262839
Conc: 59.56 ng/ml m



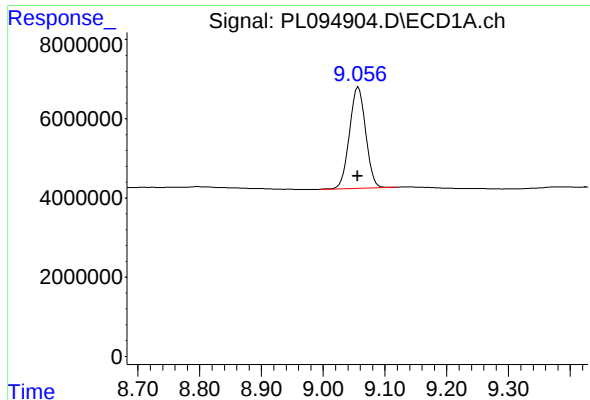
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 106461813
Conc: 51.52 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.003 min
Response: 207198570
Conc: 54.59 ng/ml



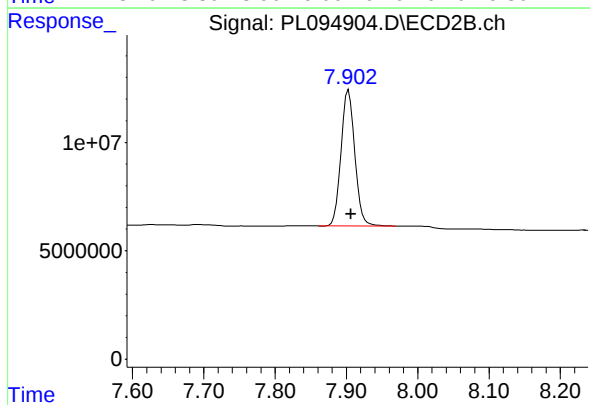
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.001 min
Response: 46654315
Conc: 22.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167348BS

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#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 84431253
Conc: 20.90 ng/ml