

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 18:29
 Operator : AR\AJ
 Sample : PB169601BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169601BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/09/2025
 Supervised By : mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	54690546	455.3E6	18.635m	20.649
28)	SA Decachlor...	9.068	8.064	84536584	469.7E6	19.587	18.145
Target Compounds							
2)	A alpha-BHC	3.998	3.389	338.2E6	1911.6E6	56.343	56.324
3)	MA gamma-BHC...	4.329	3.725	323.3E6	1780.2E6	56.459	57.111
4)	MA Heptachlor	4.927	4.077	309.1E6	1717.1E6	55.110	55.050
5)	MB Aldrin	5.269	4.362	316.6E6	1770.5E6	58.476	58.132
6)	B beta-BHC	4.515	4.021	123.1E6	763.7E6	54.863	57.292
7)	B delta-BHC	4.763	4.257	239.6E6	1390.1E6	46.266	44.062
8)	B Heptachlo...	5.688	4.866	282.2E6	1604.4E6	57.514	57.930
9)	A Endosulfan I	6.072	5.240	261.4E6	1500.0E6	56.648	57.203
10)	B gamma-Chl...	5.943	5.117	282.7E6	1739.7E6	57.806	58.750m
11)	B alpha-Chl...	6.024	5.183	279.6E6	1661.0E6	56.809	58.203
12)	B 4,4'-DDE	6.193	5.368	249.8E6	1692.7E6	56.923	58.726
13)	MA Dieldrin	6.344	5.506	277.7E6	1701.7E6	56.729	58.103
14)	MA Endrin	6.571	5.783	200.2E6	1398.4E6	48.323	52.509
15)	B Endosulfa...	6.784	6.073	234.8E6	1439.5E6	55.653	56.908
16)	A 4,4'-DDD	6.703	5.922	209.5E6	1460.2E6	60.552	60.731
17)	MA 4,4'-DDT	7.018	6.176	178.6E6	1247.2E6	46.879	49.750
18)	B Endrin al...	6.913	6.252	174.7E6	1083.0E6	60.929	62.891
19)	B Endosulfa...	7.147	6.475	201.6E6	1282.9E6	51.442	52.624
20)	A Methoxychlor	7.491	6.746	87425156	616.1E6	43.590	47.776
21)	B Endrin ke...	7.628	6.984	236.5E6	1510.7E6	57.057	56.699
22)	Mirex	8.110	7.177	159.0E6	1053.3E6	50.400	50.993

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:29
Operator : AR\AJ
Sample : PB169601BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

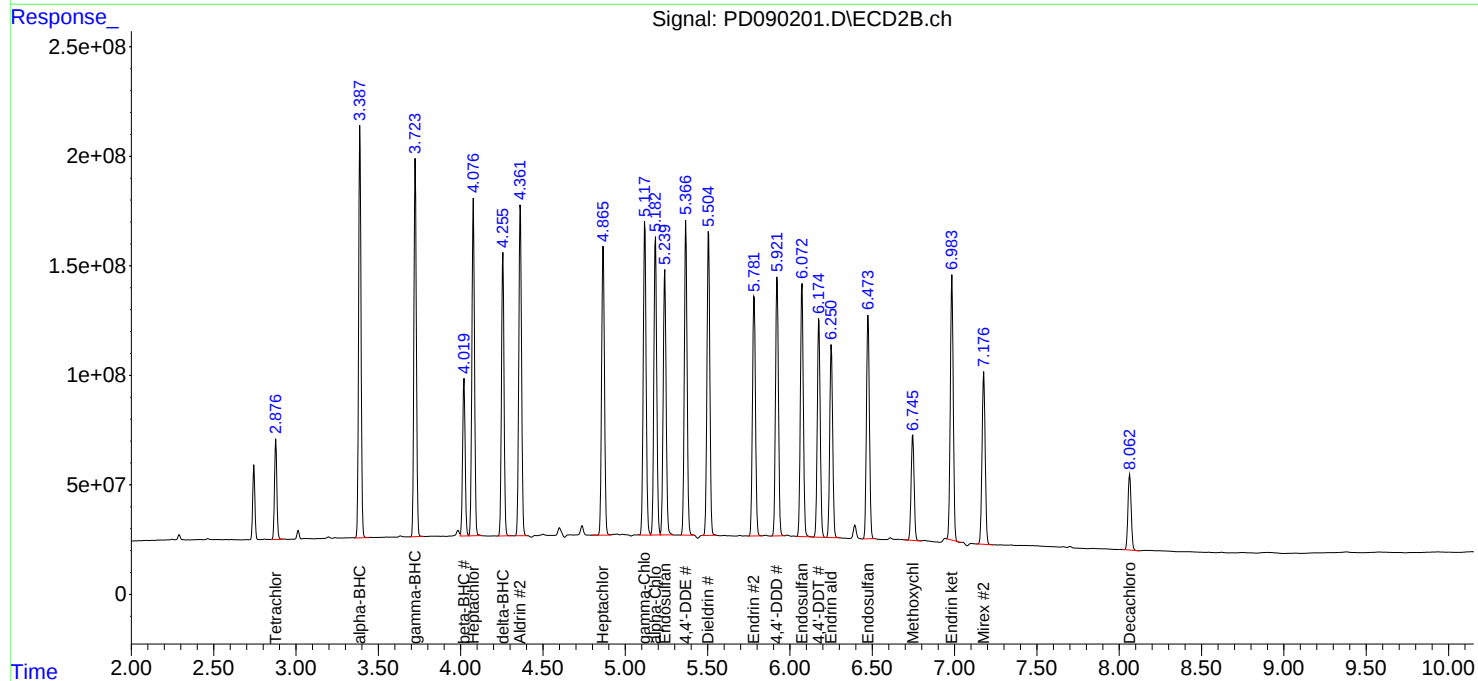
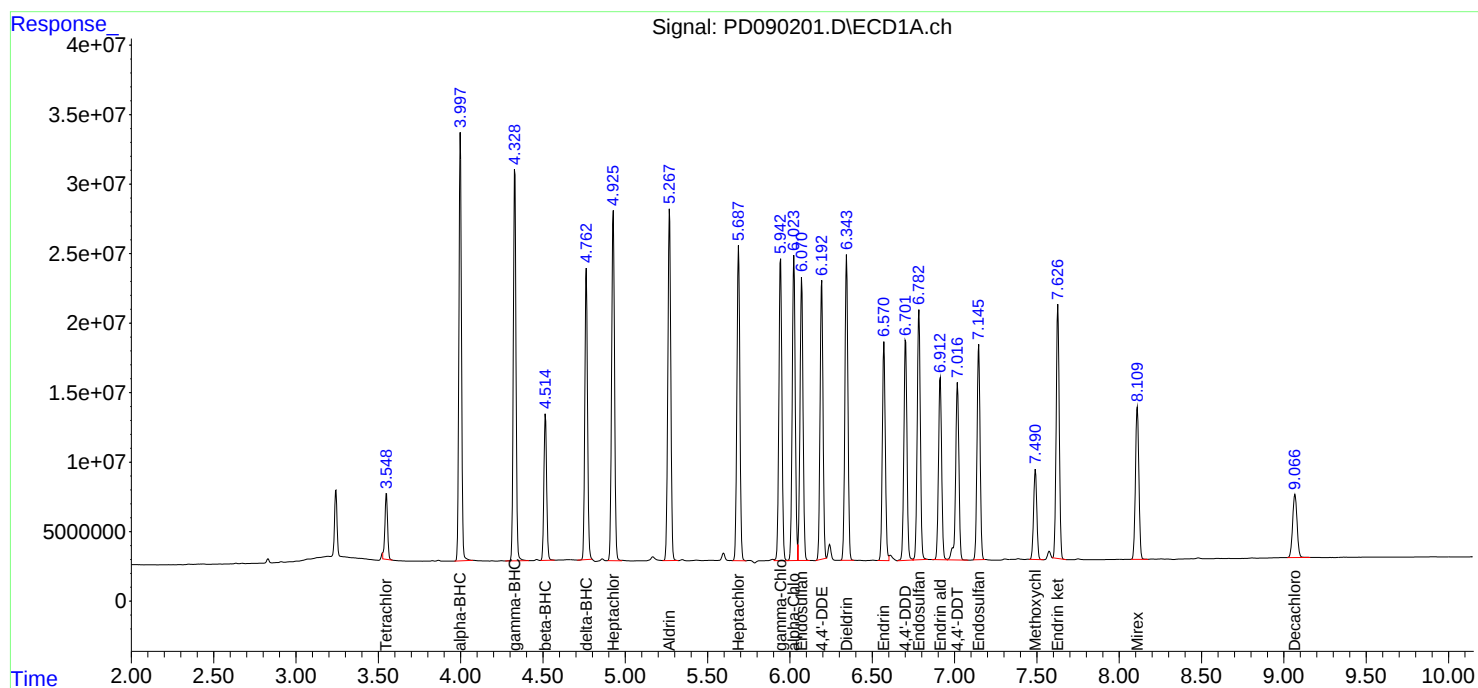
Instrument :
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ClientSampleId :
PB169601BSD

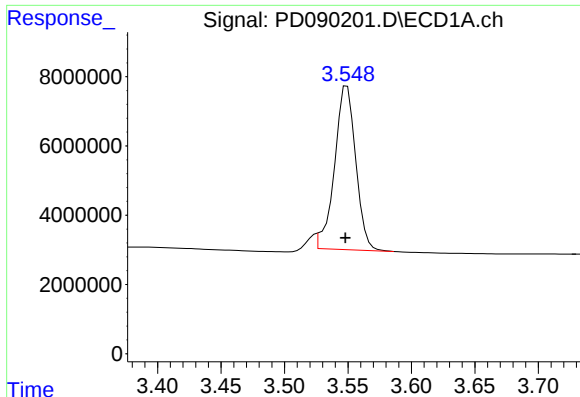
Manual Integrations
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Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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 x 0.25µm





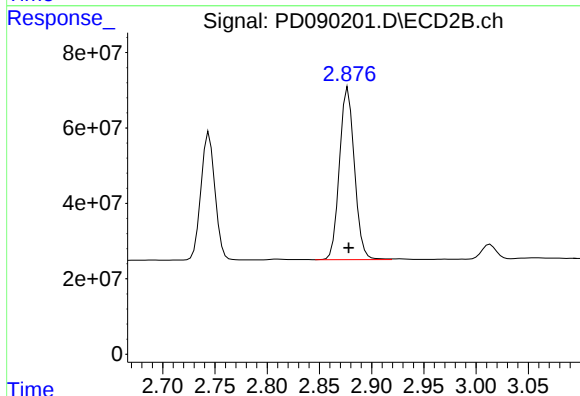
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 54690546
Conc: 18.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

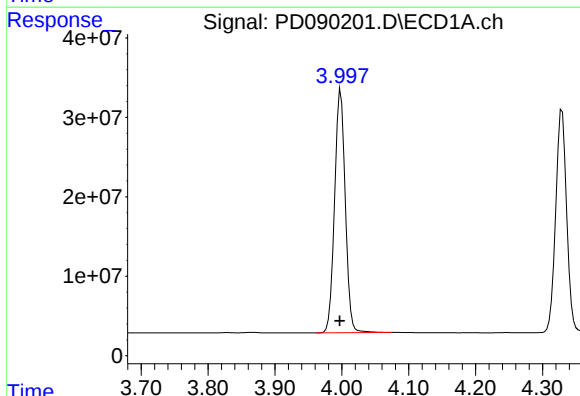
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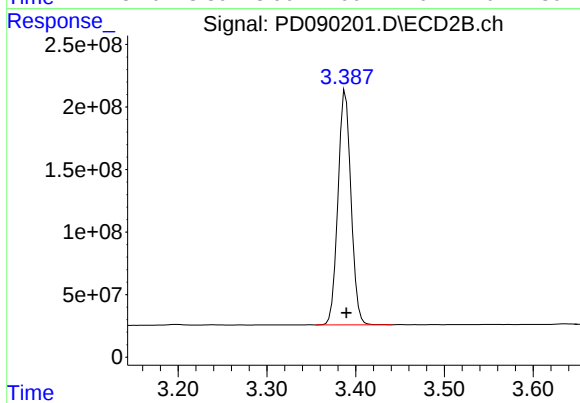
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 455322524
Conc: 20.65 ng/ml



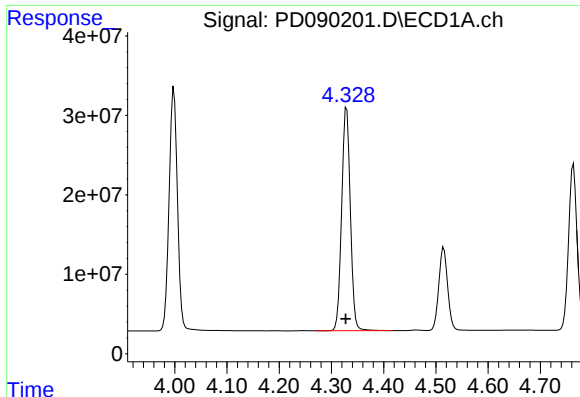
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 338182725
Conc: 56.34 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1911553593
Conc: 56.32 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 323333384
Conc: 56.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

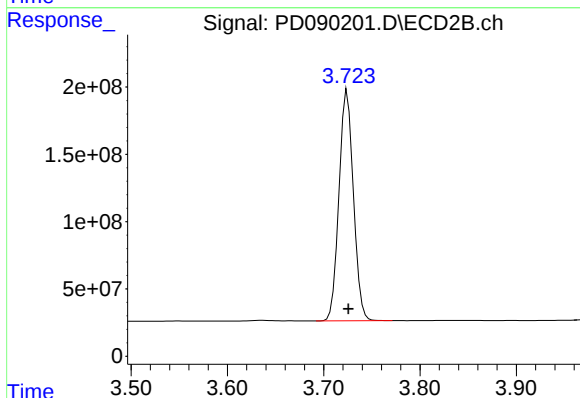
PB169601BSD

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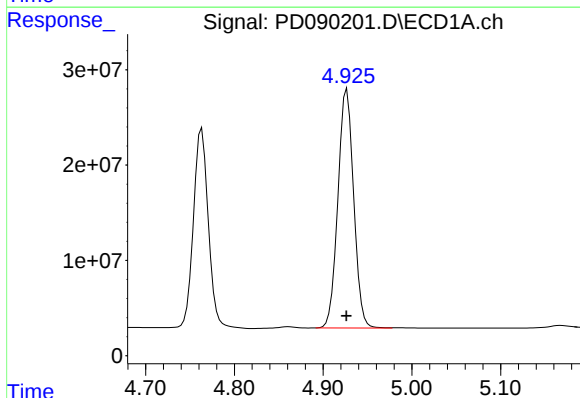
Reviewed By :Abdul Mirza 09/09/2025

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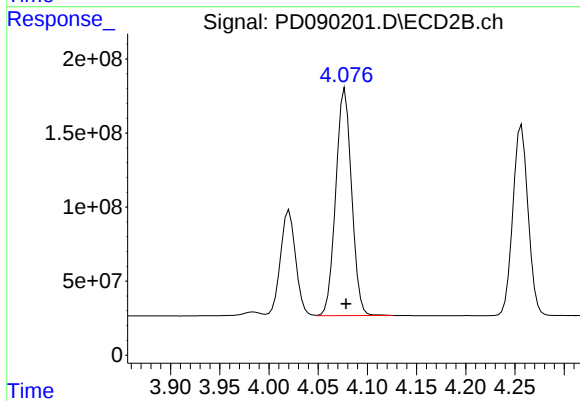
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1780192670
Conc: 57.11 ng/ml



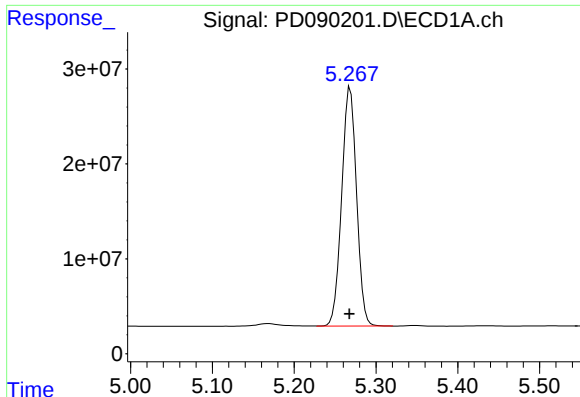
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 309121605
Conc: 55.11 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1717091098
Conc: 55.05 ng/ml



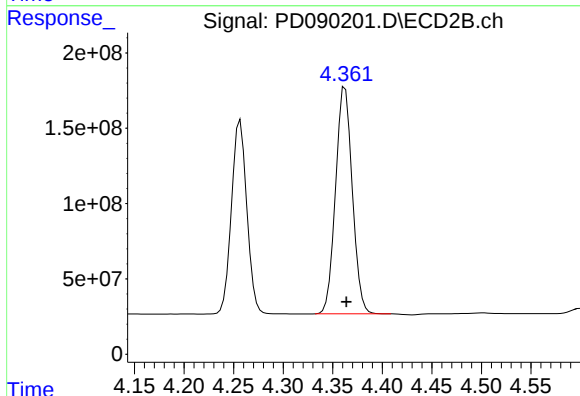
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.001 min
Response: 316621244
Conc: 58.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

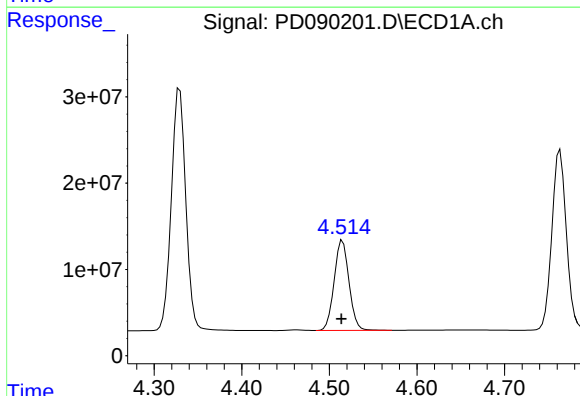
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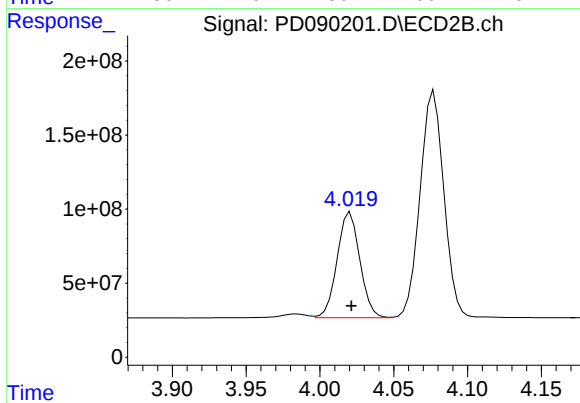
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.001 min
Response: 1770451171
Conc: 58.13 ng/ml



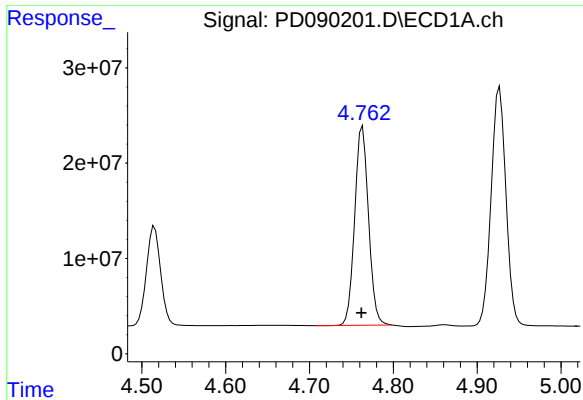
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 123057882
Conc: 54.86 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 763715648
Conc: 57.29 ng/ml



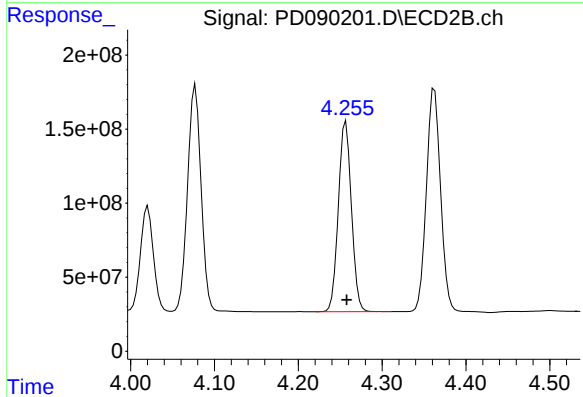
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 239551582
Conc: 46.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

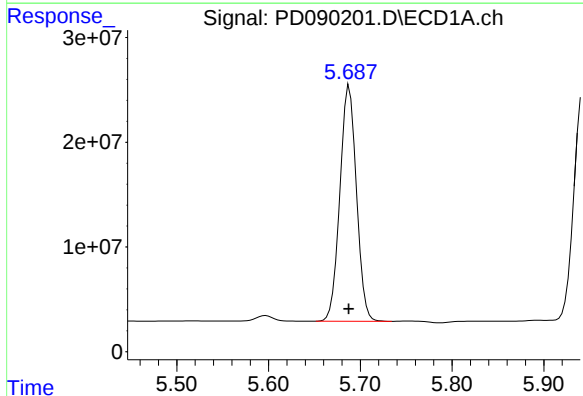
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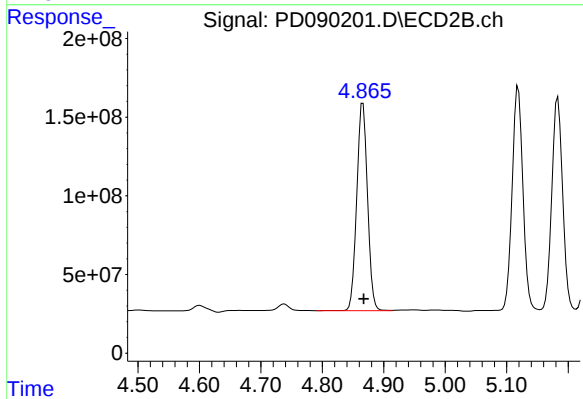
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1390136224
Conc: 44.06 ng/ml



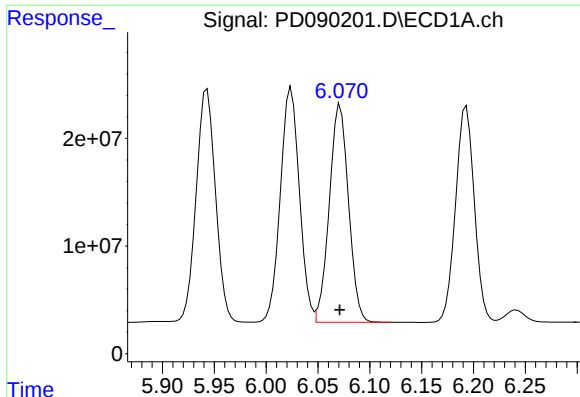
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 282207303
Conc: 57.51 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: -0.001 min
Response: 1604356897
Conc: 57.93 ng/ml



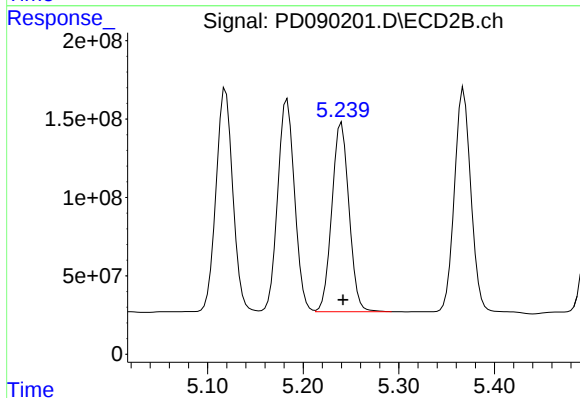
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 261425038
Conc: 56.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

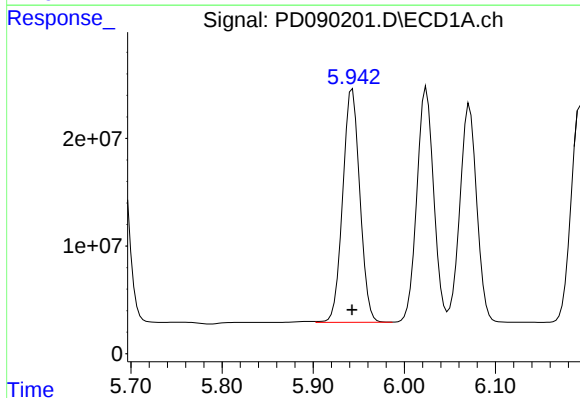
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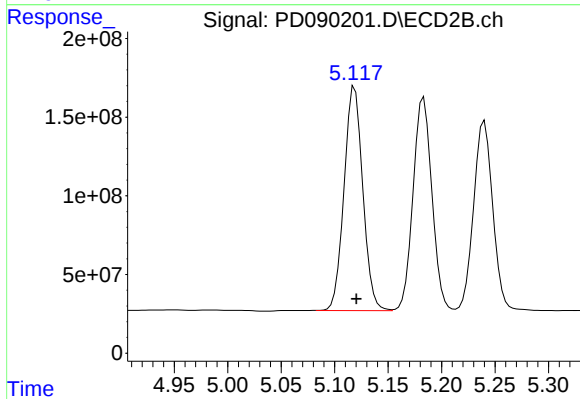
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.001 min
Response: 1499971067
Conc: 57.20 ng/ml



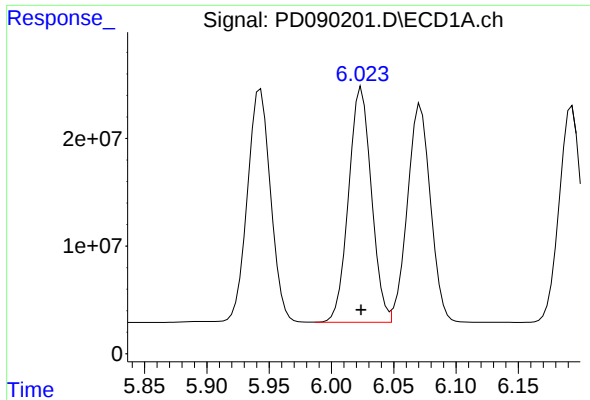
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 282726820
Conc: 57.81 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.003 min
Response: 1739657223
Conc: 58.75 ng/ml m



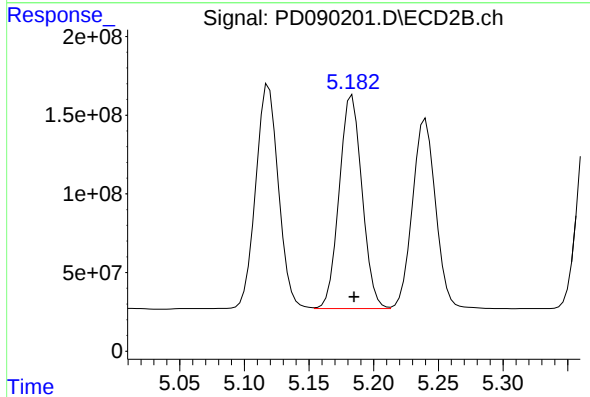
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 279639311
Conc: 56.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

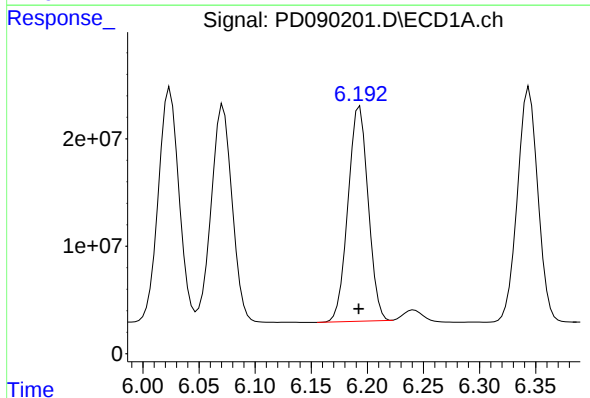
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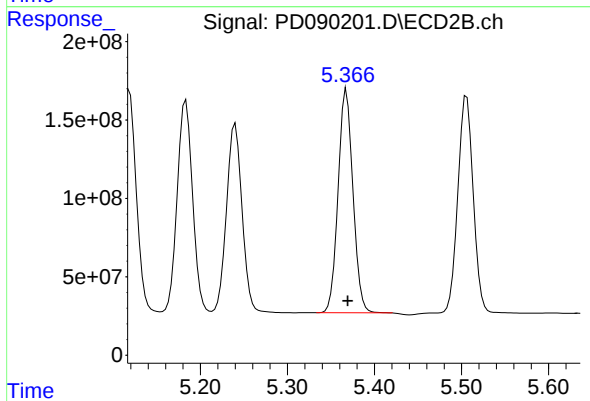
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.001 min
Response: 1661012712
Conc: 58.20 ng/ml



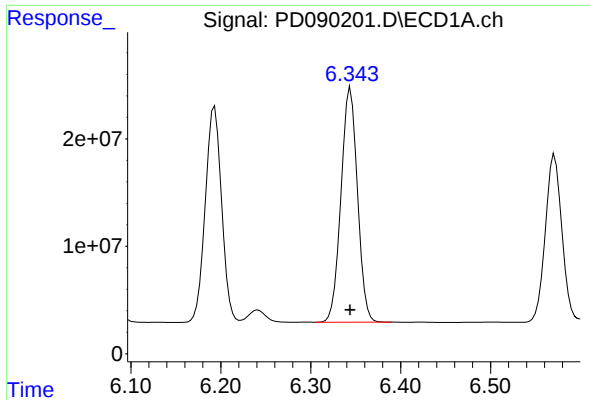
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 249795710
Conc: 56.92 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 1692651502
Conc: 58.73 ng/ml



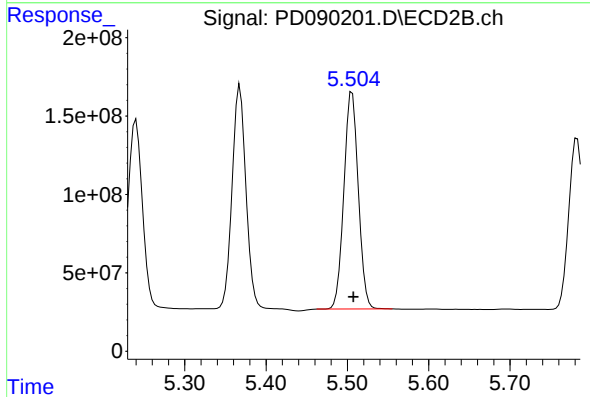
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 277730902
Conc: 56.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

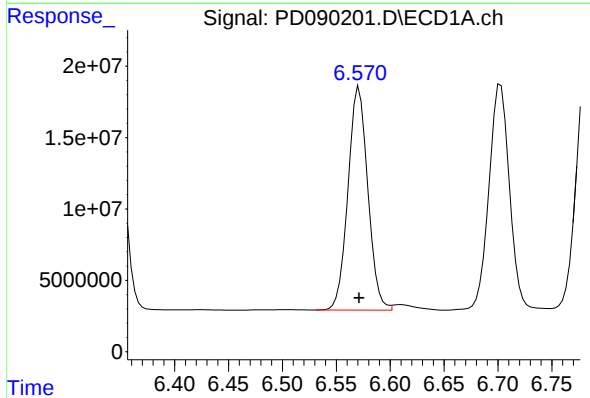
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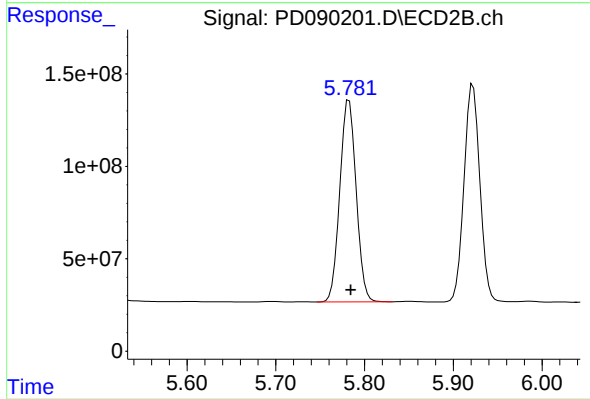
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.001 min
Response: 1701686042
Conc: 58.10 ng/ml



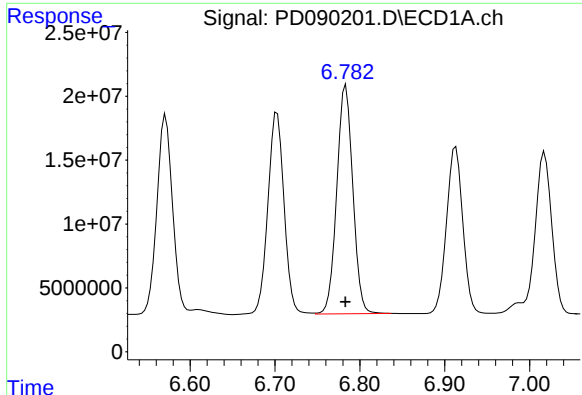
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 200231166
Conc: 48.32 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1398425486
Conc: 52.51 ng/ml



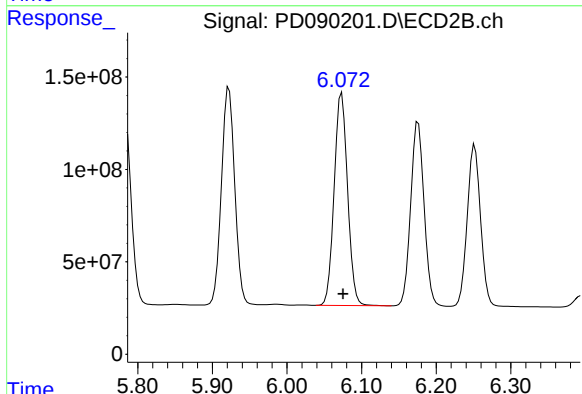
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 234841678
Conc: 55.65 ng/ml

Instrument :
ECD_D
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PB169601BSD

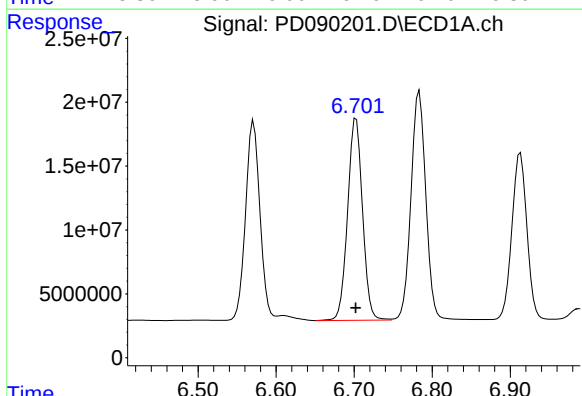
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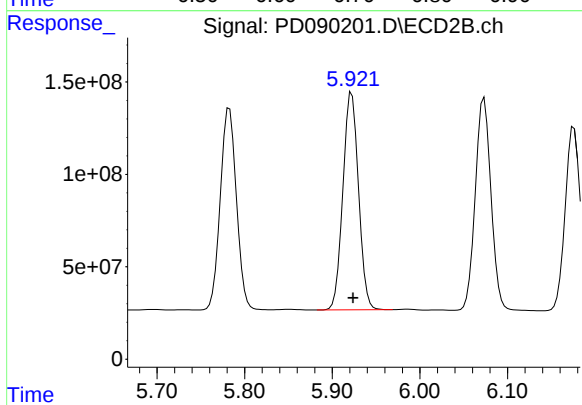
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: -0.002 min
Response: 1439458059
Conc: 56.91 ng/ml



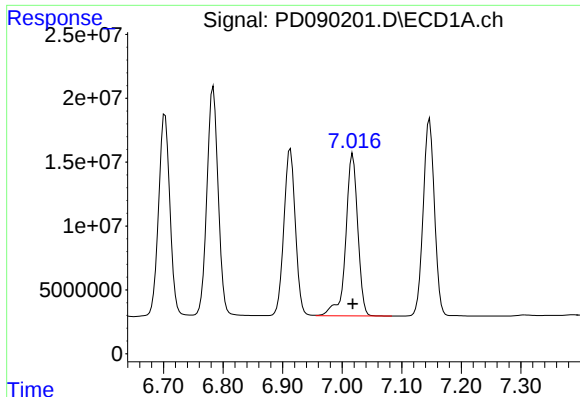
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 209454322
Conc: 60.55 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 1460201559
Conc: 60.73 ng/ml



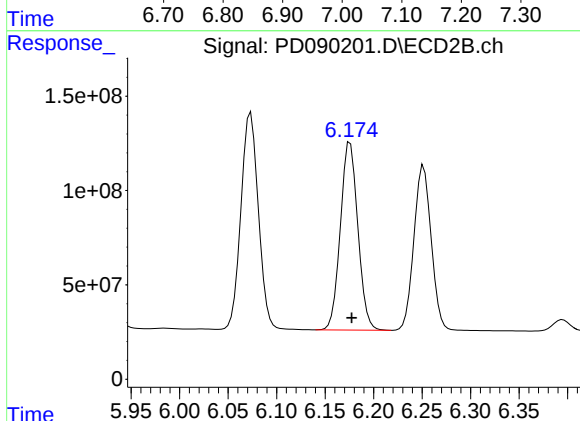
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 178598350
Conc: 46.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
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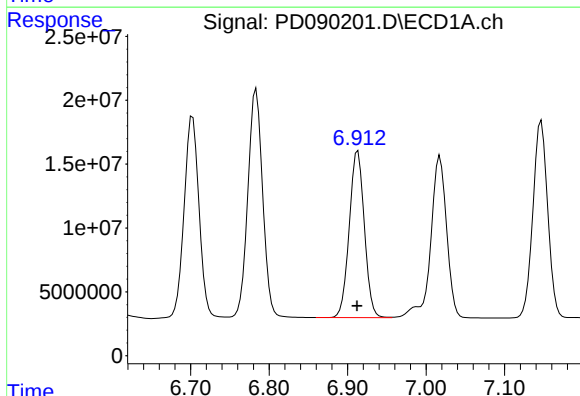
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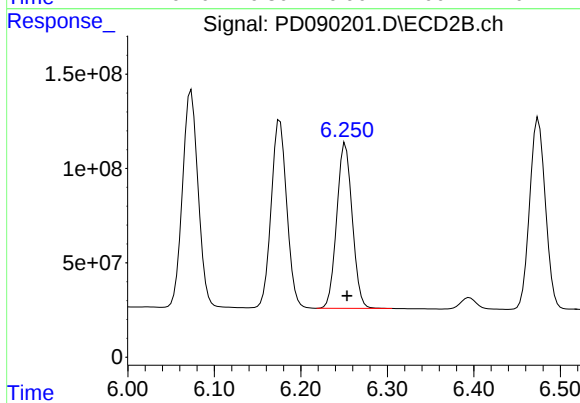
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 1247207227
Conc: 49.75 ng/ml



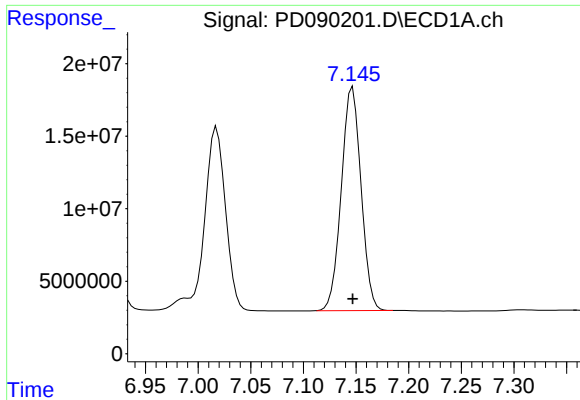
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 174691850
Conc: 60.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.002 min
Response: 1082982904
Conc: 62.89 ng/ml



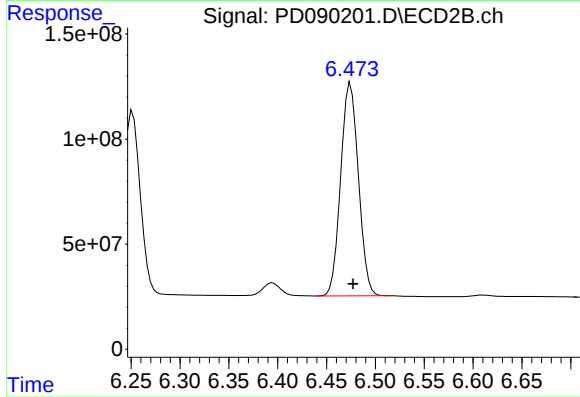
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 201575093
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

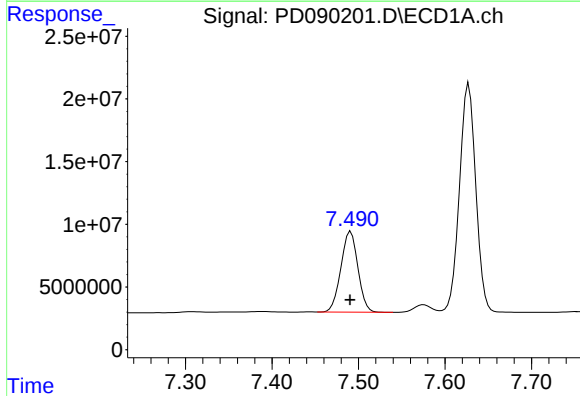
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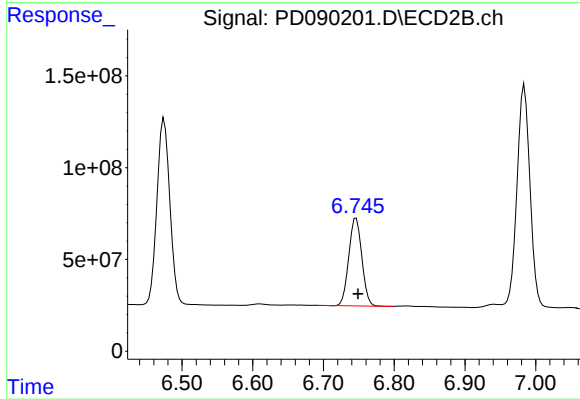
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: -0.002 min
Response: 1282942868
Conc: 52.62 ng/ml



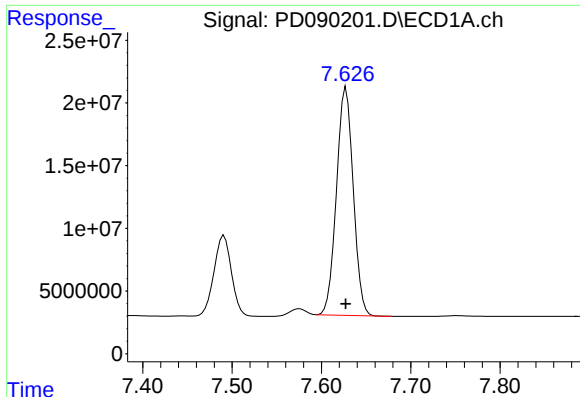
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 87425156
Conc: 43.59 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 616106395
Conc: 47.78 ng/ml



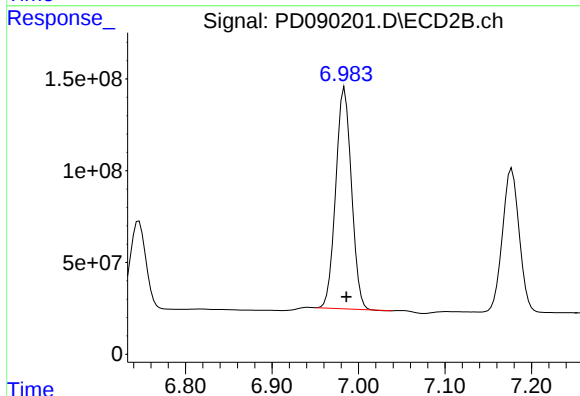
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 236474763
Conc: 57.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

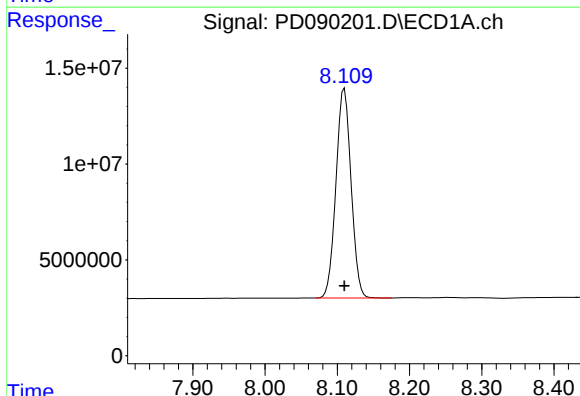
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



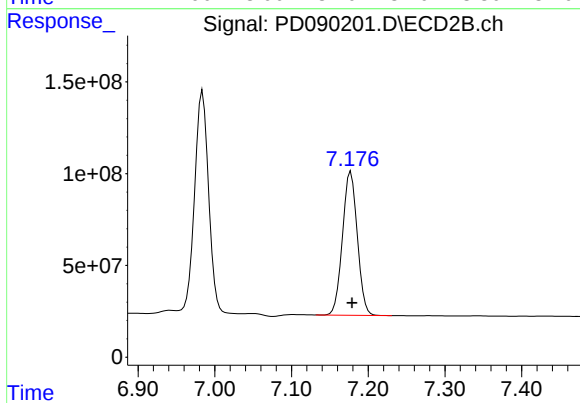
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 1510731196
Conc: 56.70 ng/ml



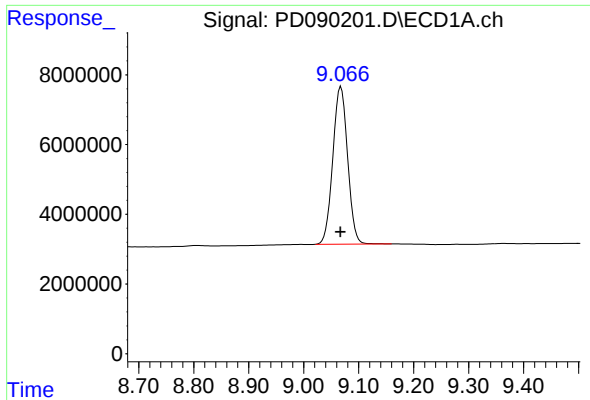
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 158984892
Conc: 50.40 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: -0.002 min
Response: 1053289368
Conc: 50.99 ng/ml



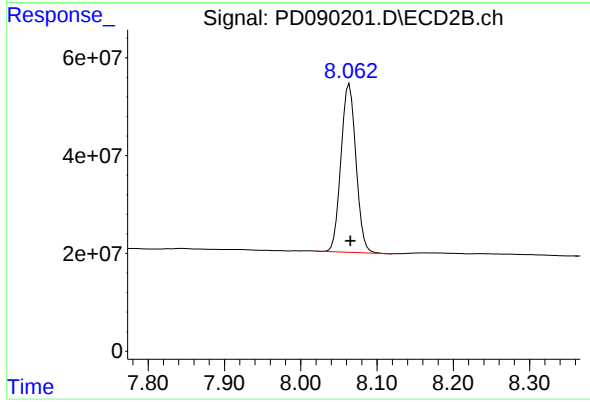
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 84536584
Conc: 19.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BSD

Manual Integrations
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Supervised By :mohammad ahmed 09/10/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 469691280
Conc: 18.14 ng/ml