

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
 Data File : PD090302.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Sep 2025 17:19
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/17/2025
 Supervised By : mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 17 02:48:46 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...	3.551	2.876	142.1E6	1187.3E6	48.402	53.843
28)	SA Decachlor...	9.072	8.065	190.8E6	1072.6E6	44.198	41.434
Target Compounds							
2)	A alpha-BHC	4.001	3.388	311.9E6	1904.5E6	51.962	56.116
3)	MA gamma-BHC...	4.330	3.724	289.3E6	1761.9E6	50.515m	56.523
4)	MA Heptachlor	4.930	4.077	285.3E6	1748.7E6	50.861	56.063
5)	MB Aldrin	5.270	4.363	266.8E6	1715.7E6	49.279m	56.335
6)	B beta-BHC	4.518	4.020	111.5E6	745.5E6	49.708	55.925
7)	B delta-BHC	4.767	4.256	291.0E6	1785.3E6	56.204	56.587
8)	B Heptachlo...	5.691	4.867	236.4E6	1530.9E6	48.186	55.276
9)	A Endosulfan I	6.075	5.241	220.4E6	1418.4E6	47.766	54.092
10)	B gamma-Chl...	5.947	5.120	235.4E6	1628.6E6	48.120	55.000
11)	B alpha-Chl...	6.026	5.185	236.0E6	1554.9E6	47.954m	54.483
12)	B 4,4'-DDE	6.196	5.369	210.8E6	1566.9E6	48.033	54.365
13)	MA Dieldrin	6.346	5.507	231.3E6	1584.0E6	47.249m	54.084
14)	MA Endrin	6.574	5.783	189.8E6	1411.7E6	45.814m	53.008
15)	B Endosulfa...	6.787	6.074	196.0E6	1322.7E6	46.447	52.291
16)	A 4,4'-DDD	6.706	5.923	160.0E6	1291.8E6	46.260	53.728
17)	MA 4,4'-DDT	7.021	6.177	162.4E6	1311.6E6	42.630m	52.319
18)	B Endrin al...	6.916	6.253	132.9E6	910.3E6	46.348	52.864
19)	B Endosulfa...	7.149	6.476	176.7E6	1228.0E6	45.105m	50.368
20)	A Methoxychlor	7.495	6.748	87590366	634.2E6	43.673	49.178
21)	B Endrin ke...	7.631	6.985	189.5E6	1275.0E6	45.714	47.851
22)	Mirex	8.113	7.179	137.3E6	953.7E6	43.511	46.172

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
Data File : PD090302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Sep 2025 17:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

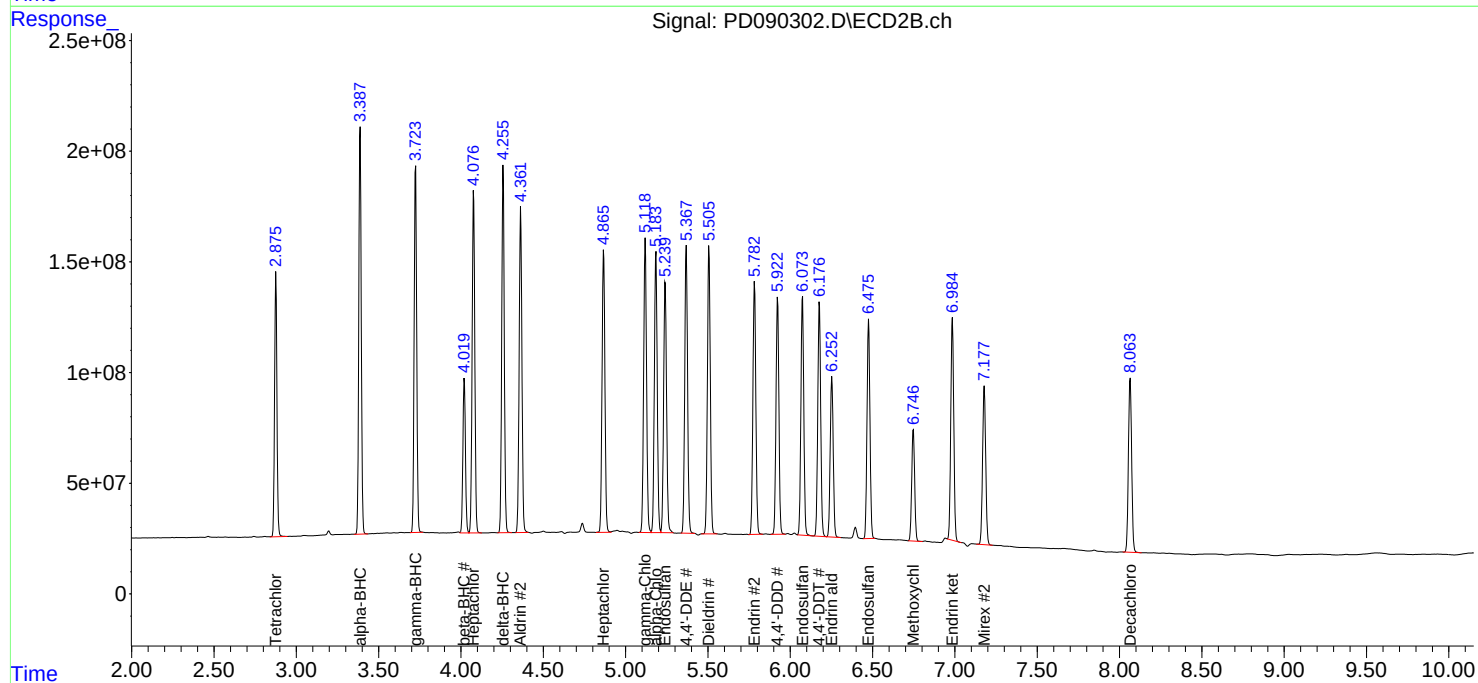
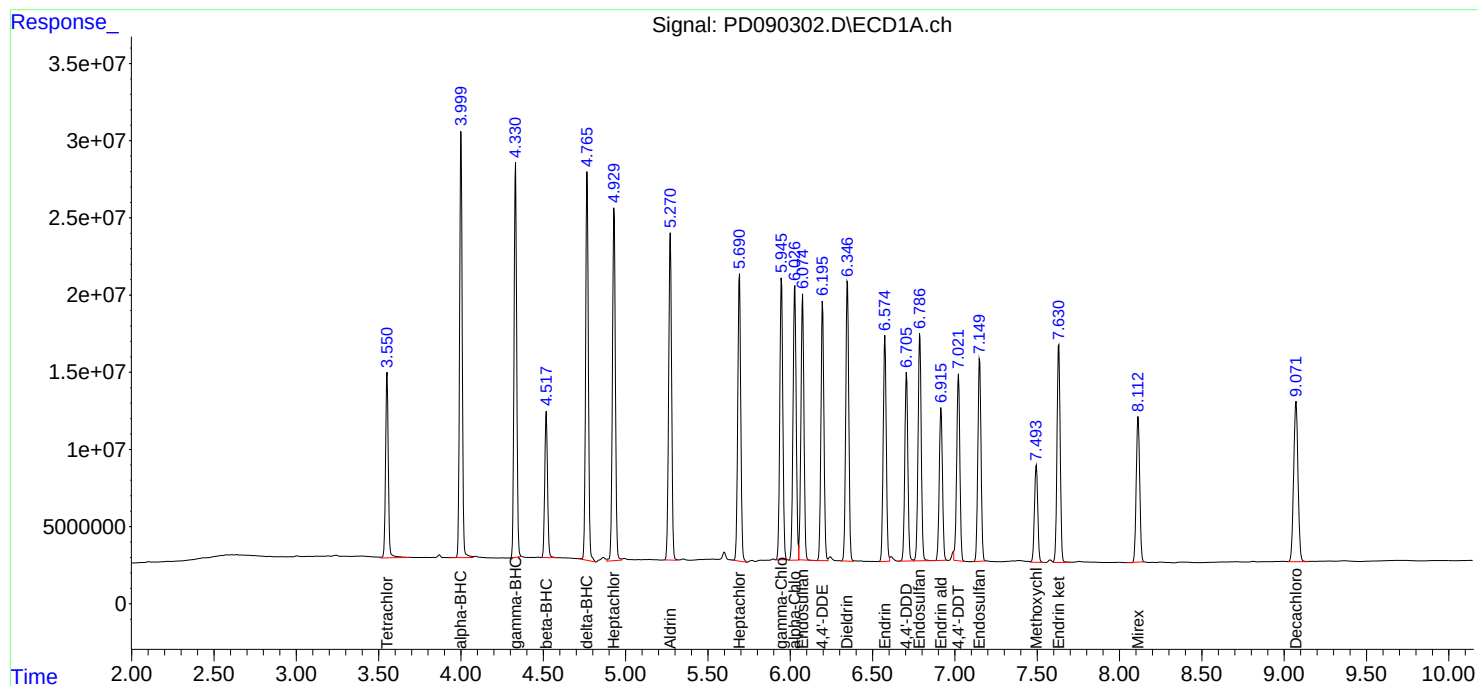
APPROVED

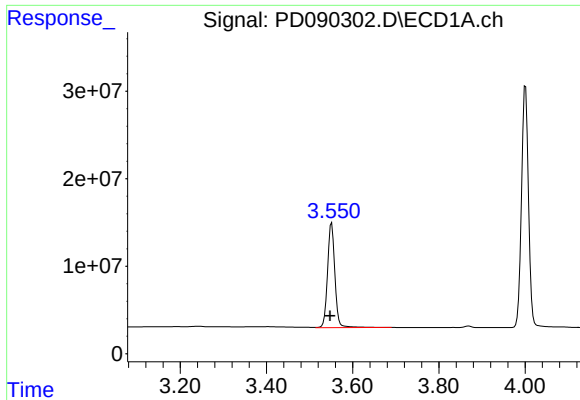
Reviewed By :Abdul Mirza 09/17/2025

Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 17 02:48:46 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





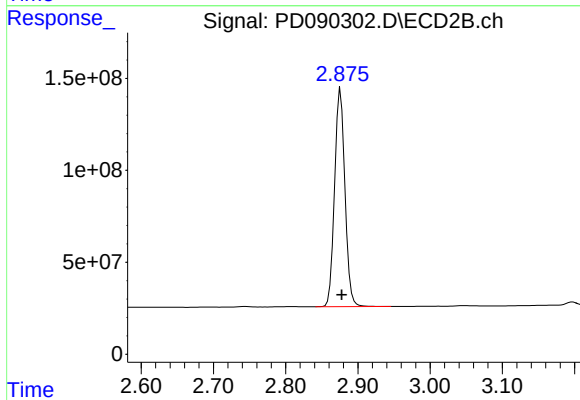
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 142053228
Conc: 48.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

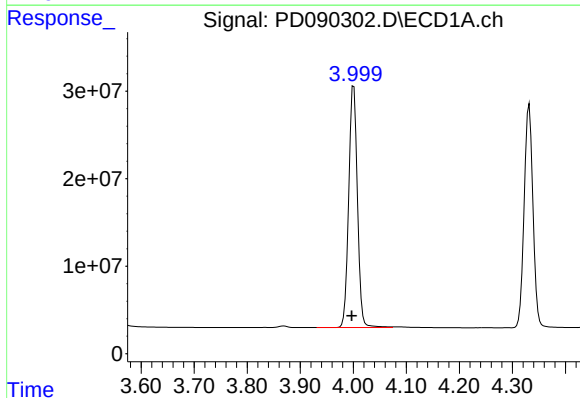
Manual Integrations
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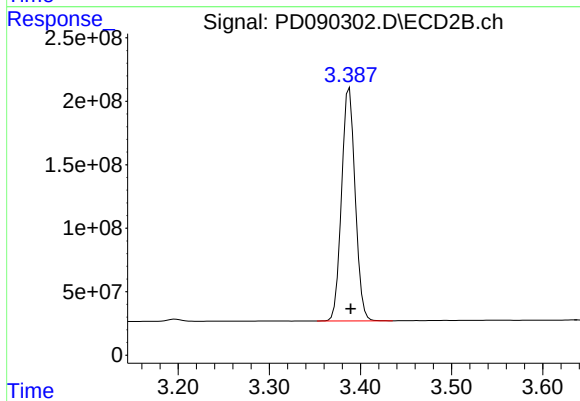
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 1187265225
Conc: 53.84 ng/ml



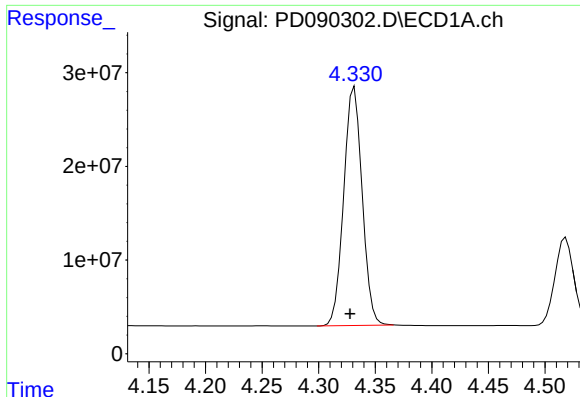
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.004 min
Response: 311889434
Conc: 51.96 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1904501509
Conc: 56.12 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 289290545
Conc: 50.51 ng/ml

Instrument :

ECD_D

ClientSampleId :

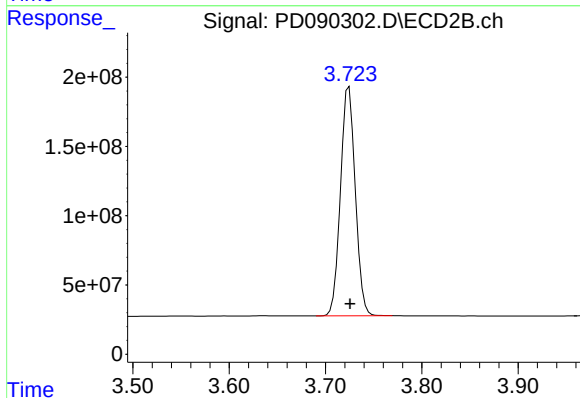
PSTDCCC050

Manual Integrations

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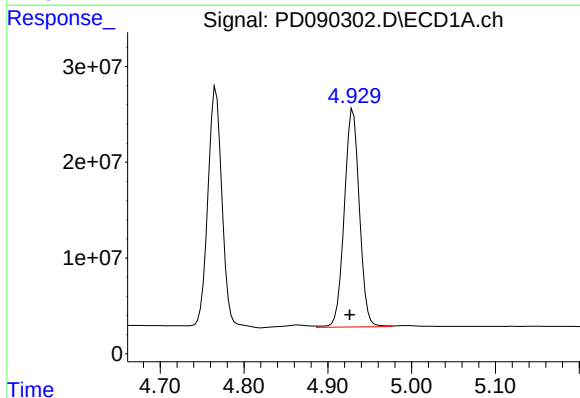
Reviewed By :Abdul Mirza 09/17/2025

Supervised By :mohammad ahmed 09/18/2025



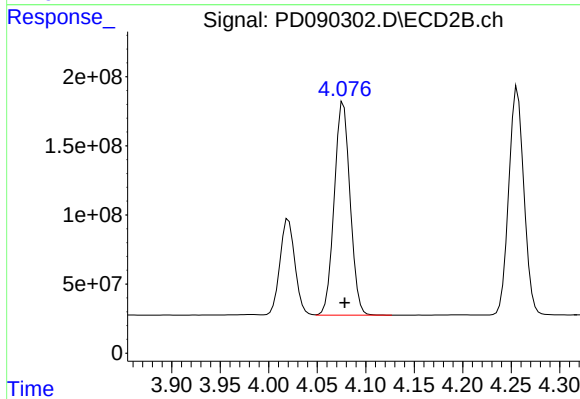
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 1761859570
Conc: 56.52 ng/ml



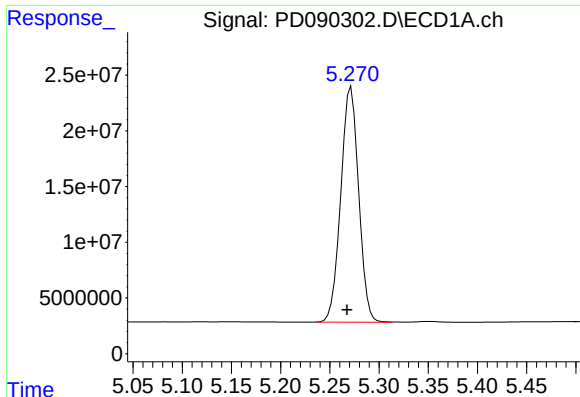
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.004 min
Response: 285285744
Conc: 50.86 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1748692560
Conc: 56.06 ng/ml



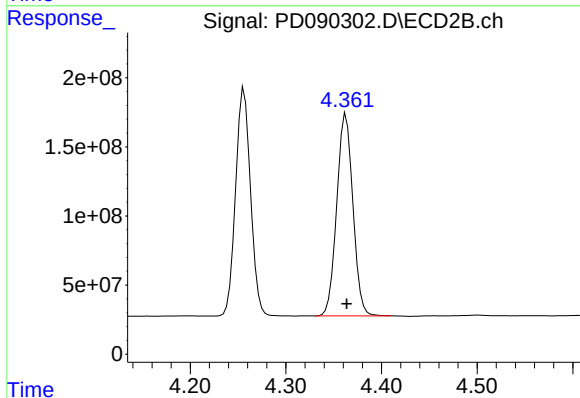
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.003 min
Response: 266824197
Conc: 49.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

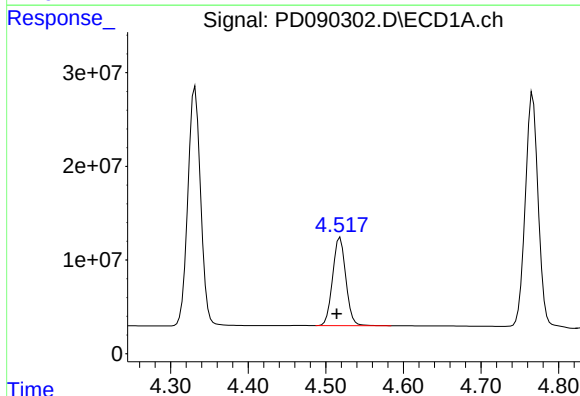
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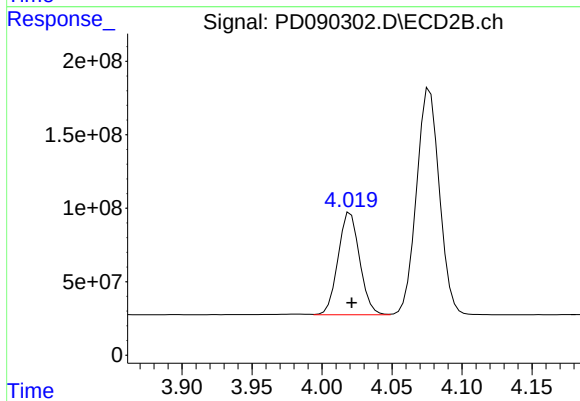
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1715712765
Conc: 56.33 ng/ml



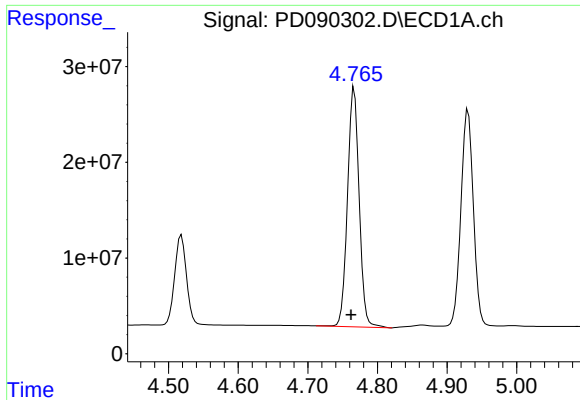
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.005 min
Response: 111495908
Conc: 49.71 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.001 min
Response: 745491145
Conc: 55.93 ng/ml



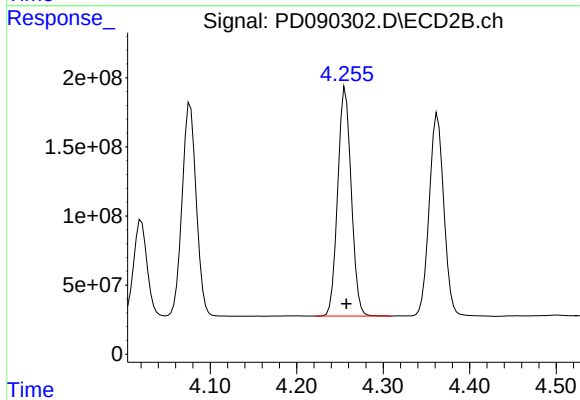
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 291008055
Conc: 56.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

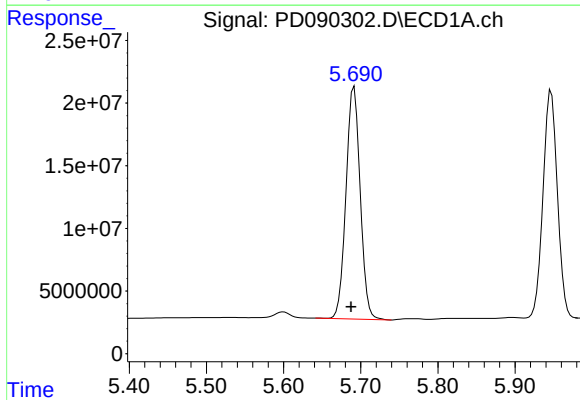
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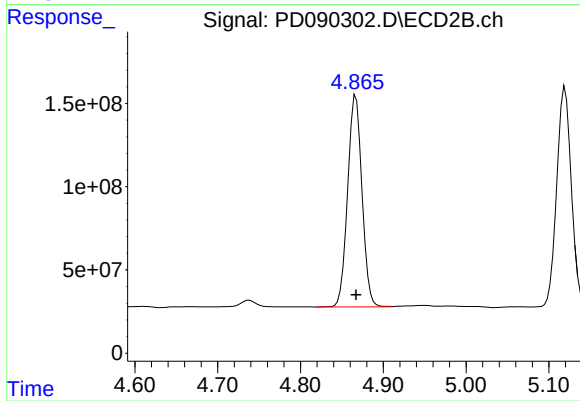
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.001 min
Response: 1785318821
Conc: 56.59 ng/ml



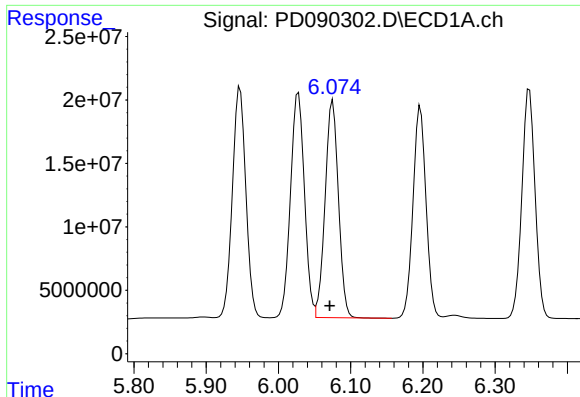
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.004 min
Response: 236441450
Conc: 48.19 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1530863701
Conc: 55.28 ng/ml



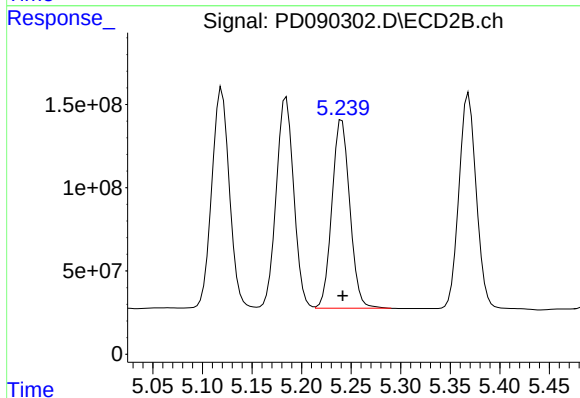
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.004 min
Response: 220436337
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

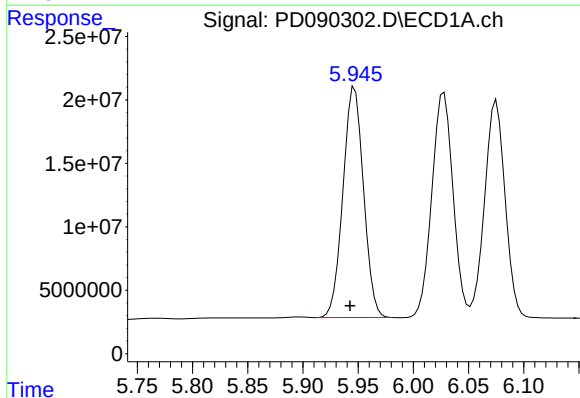
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Reviewed By :Abdul Mirza 09/17/2025
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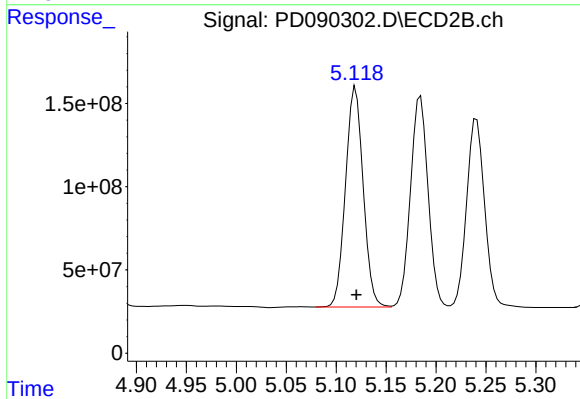
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1418382928
Conc: 54.09 ng/ml



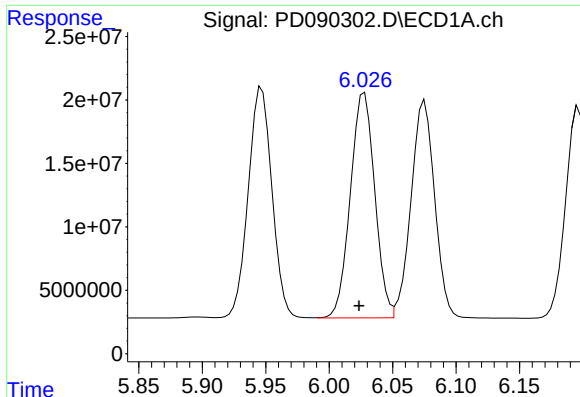
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.004 min
Response: 235354985
Conc: 48.12 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1628633534
Conc: 55.00 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.003 min
Response: 236047292
Conc: 47.95 ng/ml

Instrument :

ECD_D

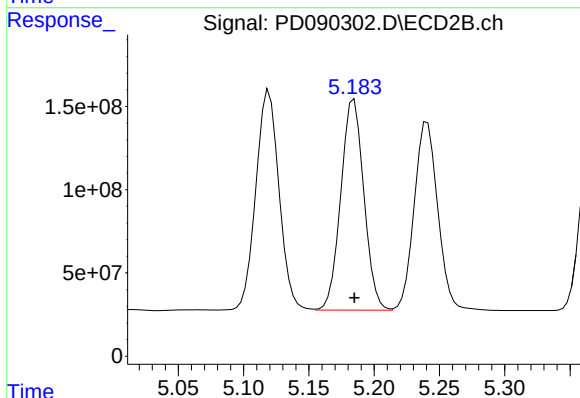
ClientSampleId :

PSTDCCC050

Manual Integrations

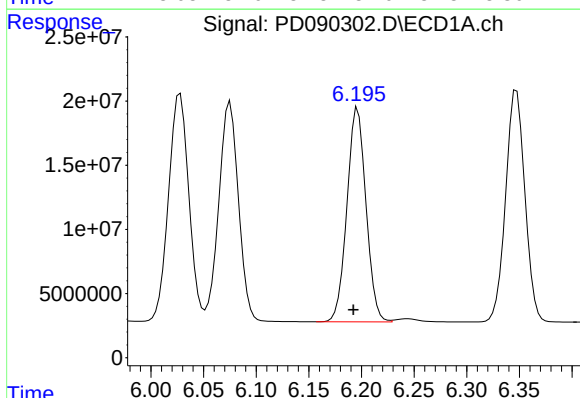
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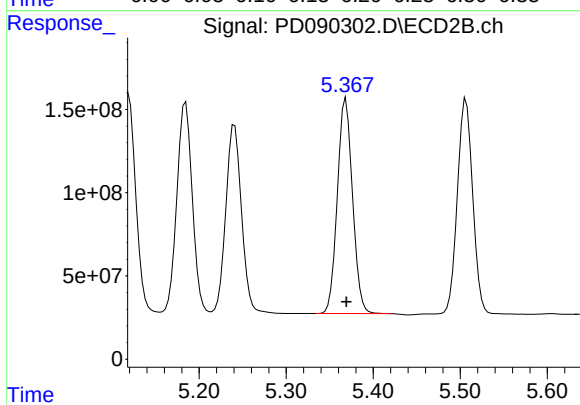
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1554853358
Conc: 54.48 ng/ml



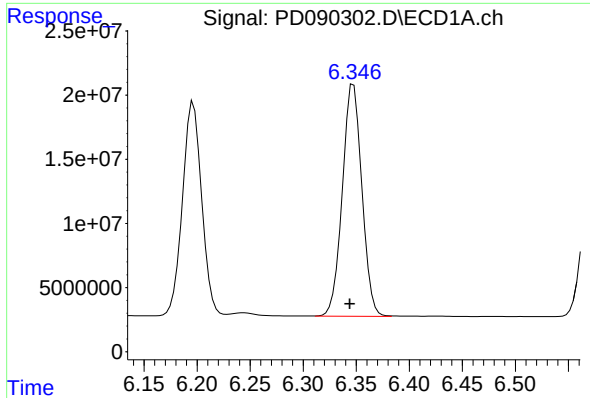
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.004 min
Response: 210785094
Conc: 48.03 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1566937204
Conc: 54.36 ng/ml



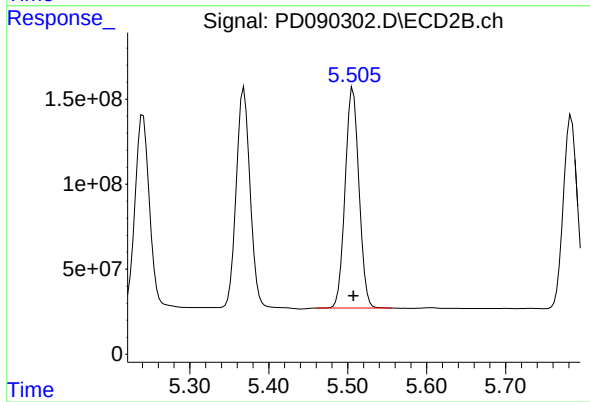
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 231319999
Conc: 47.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

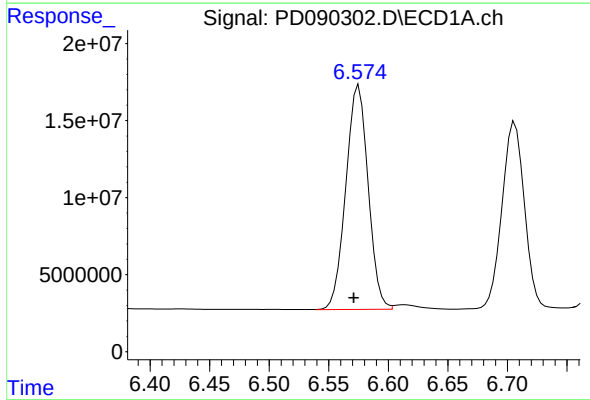
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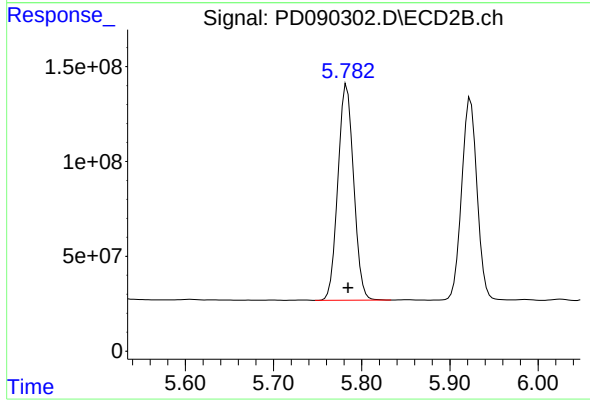
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1583976068
Conc: 54.08 ng/ml



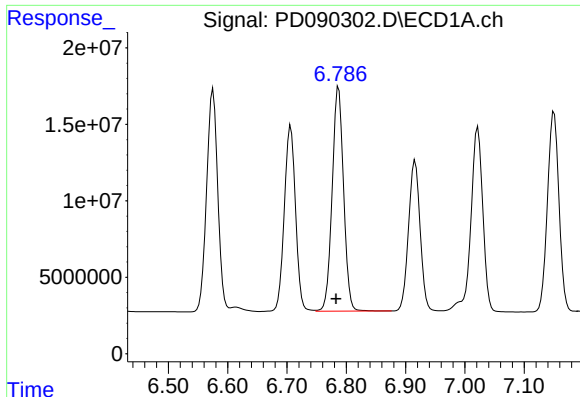
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.003 min
Response: 189832301
Conc: 45.81 ng/ml m



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1411726983
Conc: 53.01 ng/ml



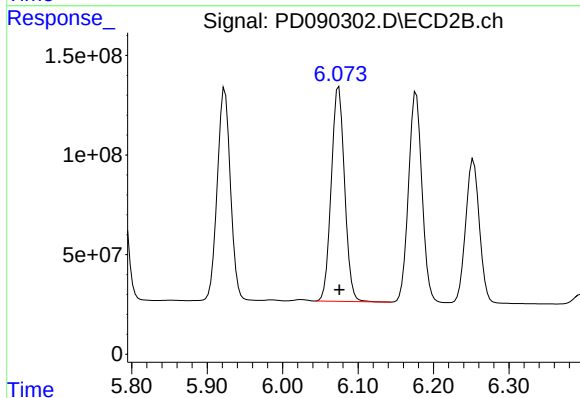
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.004 min
Response: 195991448
Conc: 46.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

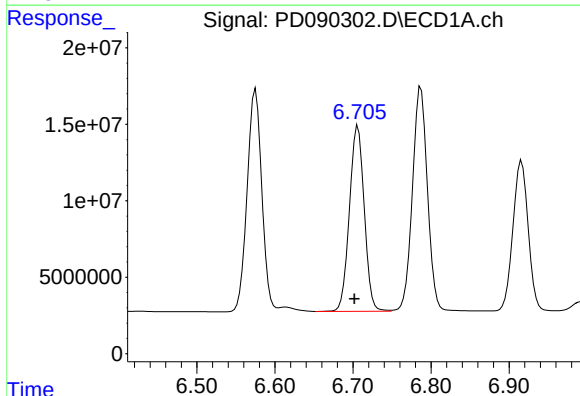
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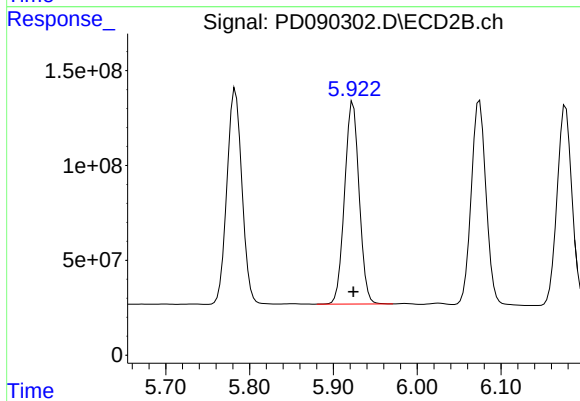
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 1322689912
Conc: 52.29 ng/ml



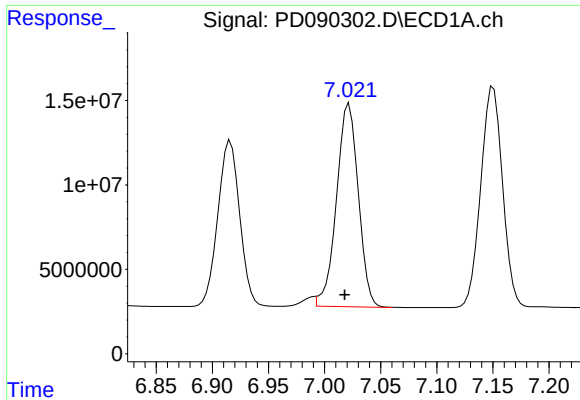
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.004 min
Response: 160018138
Conc: 46.26 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1291814840
Conc: 53.73 ng/ml



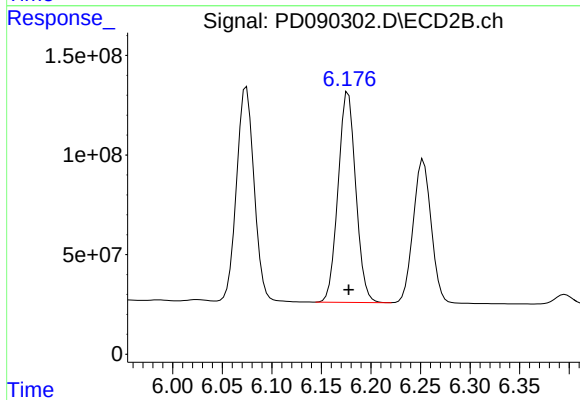
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 162407610
Conc: 42.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

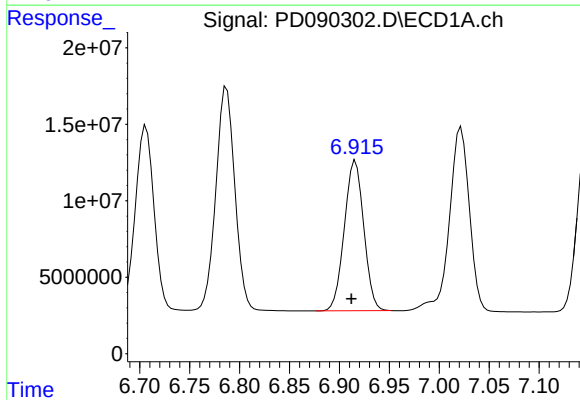
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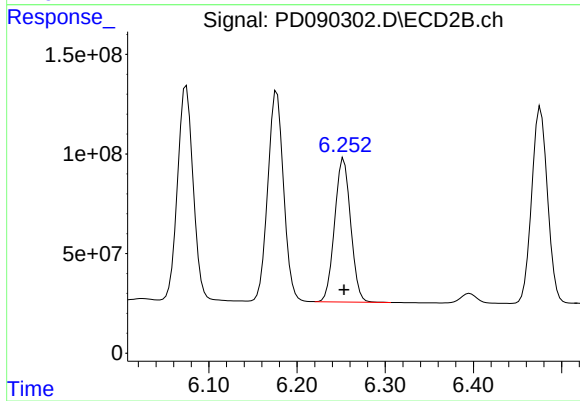
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1311631862
Conc: 52.32 ng/ml



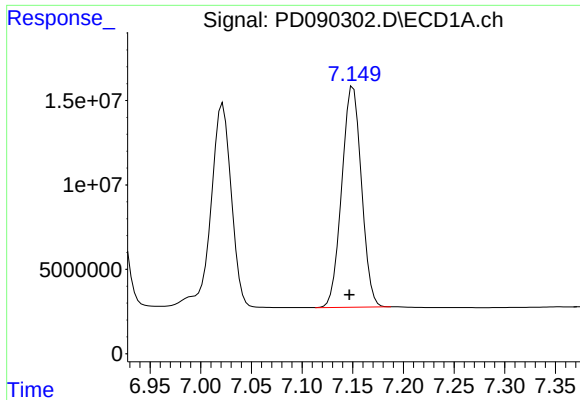
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 132886684
Conc: 46.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 910308214
Conc: 52.86 ng/ml



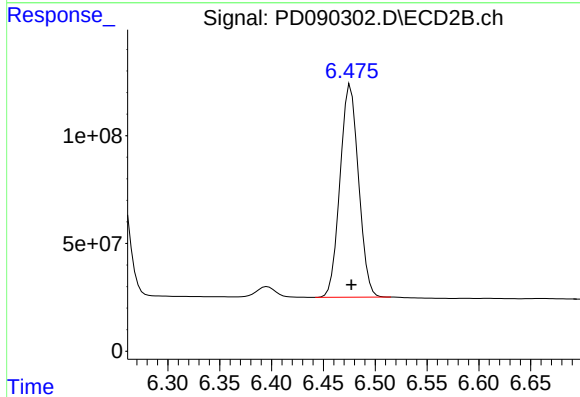
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 176742062
Conc: 45.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

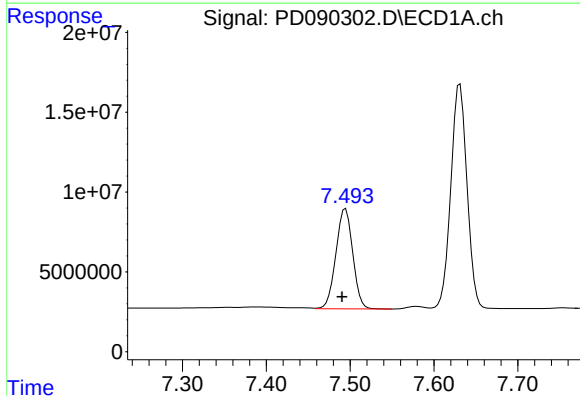
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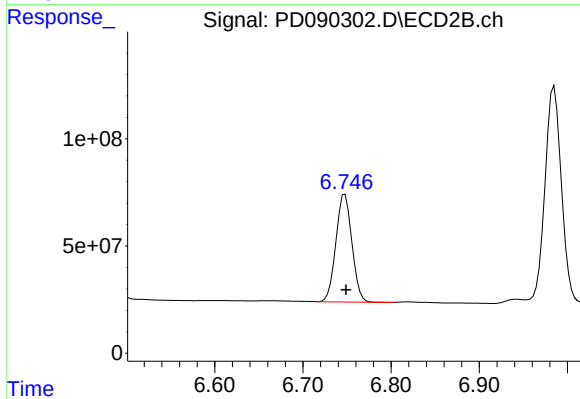
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1227950180
Conc: 50.37 ng/ml



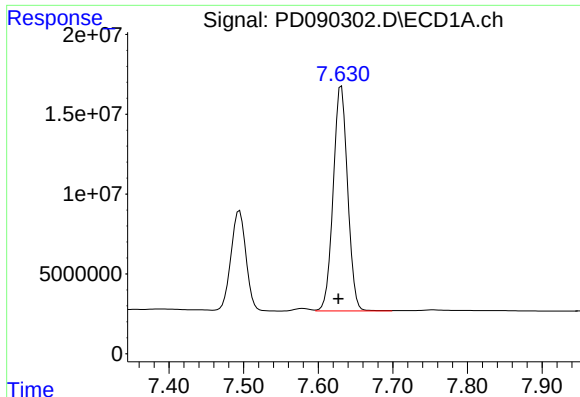
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.004 min
Response: 87590366
Conc: 43.67 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 634183126
Conc: 49.18 ng/ml



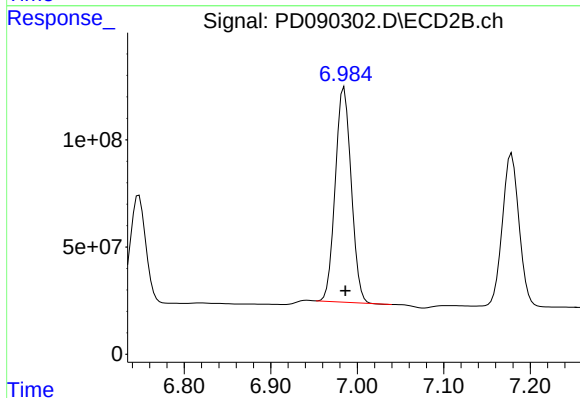
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 189461434
Conc: 45.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

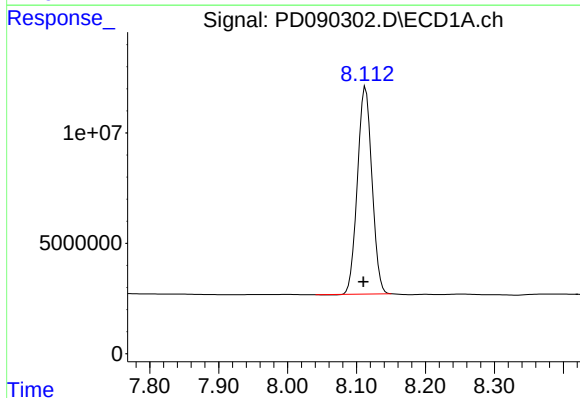
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



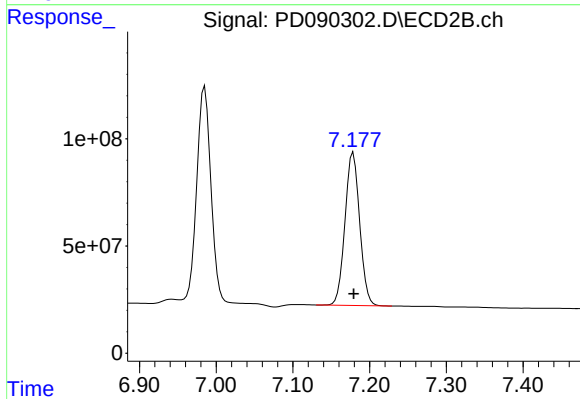
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1274955171
Conc: 47.85 ng/ml



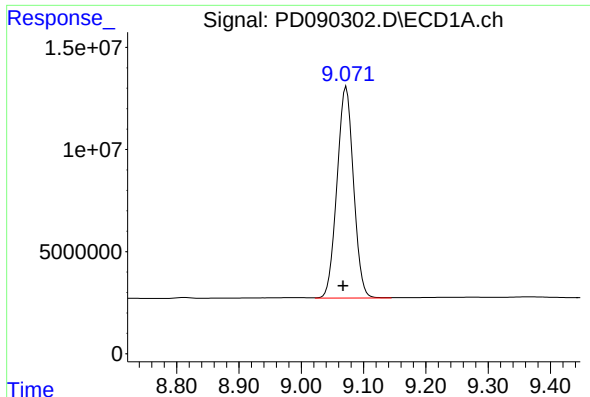
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.003 min
Response: 137253478
Conc: 43.51 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 953712958
Conc: 46.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.005 min
Response: 190757193
Conc: 44.20 ng/ml

Instrument :

ECD_D

ClientSampleId :

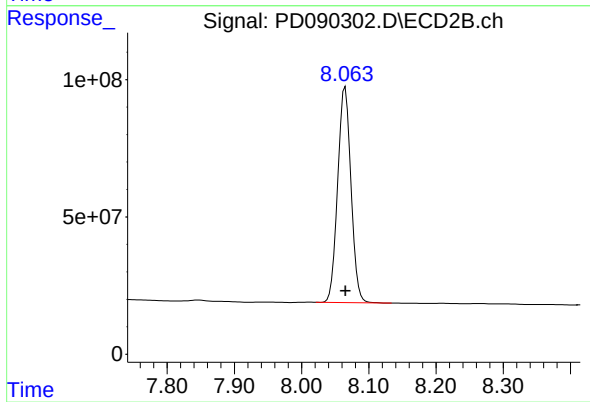
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1072558070
Conc: 41.43 ng/ml