

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090792.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 16:33
 Operator : AR\AJ
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:16:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.892	39847585	397.9E6	12.796m	13.362m
28)	SA Decachlor...	9.065	8.081	57192018	389.7E6	12.226	12.866
Target Compounds							
2)	A alpha-BHC	3.993	3.405f	303.5E6	2062.2E6	42.287	40.359
3)	MA gamma-BHC...	4.324	3.741f	275.8E6	1897.3E6	40.567	40.156
4)	MA Heptachlor	4.922	4.094f	258.1E6	1810.4E6	46.184	40.589
5)	MB Aldrin	5.264	4.379f	282.5E6	1976.0E6	43.142	42.661
6)	B beta-BHC	4.512	4.036f	106.1E6	796.5E6	40.511	40.168m
7)	B delta-BHC	4.759	4.273f	265.3E6	1885.0E6	39.233	39.504
8)	B Heptachlo...	5.684	4.883f	252.1E6	1803.1E6	43.553	42.289
9)	A Endosulfan I	6.068	5.257f	236.6E6	1607.9E6	42.731	40.821
10)	B gamma-Chl...	5.940	5.136f	262.9E6	1995.1E6	44.328	44.387
11)	B alpha-Chl...	6.020	5.200f	257.0E6	1842.8E6	41.589	42.719
12)	B 4,4'-DDE	6.190	5.385f	234.3E6	1892.9E6	43.987	43.180
13)	MA Dieldrin	6.340	5.523f	257.7E6	1947.9E6	44.199	44.086
14)	MA Endrin	6.568	5.799f	210.1E6	1661.5E6	42.405	41.030
15)	B Endosulfa...	6.781	6.091f	210.2E6	1660.6E6	42.047	44.218
16)	A 4,4'-DDD	6.700	5.940f	173.0E6	1501.0E6	42.682	41.193
17)	MA 4,4'-DDT	7.015	6.193f	161.3E6	1389.9E6	39.250	39.628
18)	B Endrin al...	6.909	6.269f	128.3E6	959.2E6	35.042	34.639
19)	B Endosulfa...	7.144	6.491f	182.3E6	1447.3E6	39.310	40.377m
20)	A Methoxychlor	7.488	6.762f	80516721	702.1E6	37.880	40.285m
21)	B Endrin ke...	7.625	7.000f	202.3E6	1637.7E6	41.643	43.420m
22)	Mirex	8.106	7.194f	135.9E6	1143.1E6	42.446	44.495

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
Data File : PD090792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 16:33
Operator : AR\AJ
Sample : Q3419-03MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

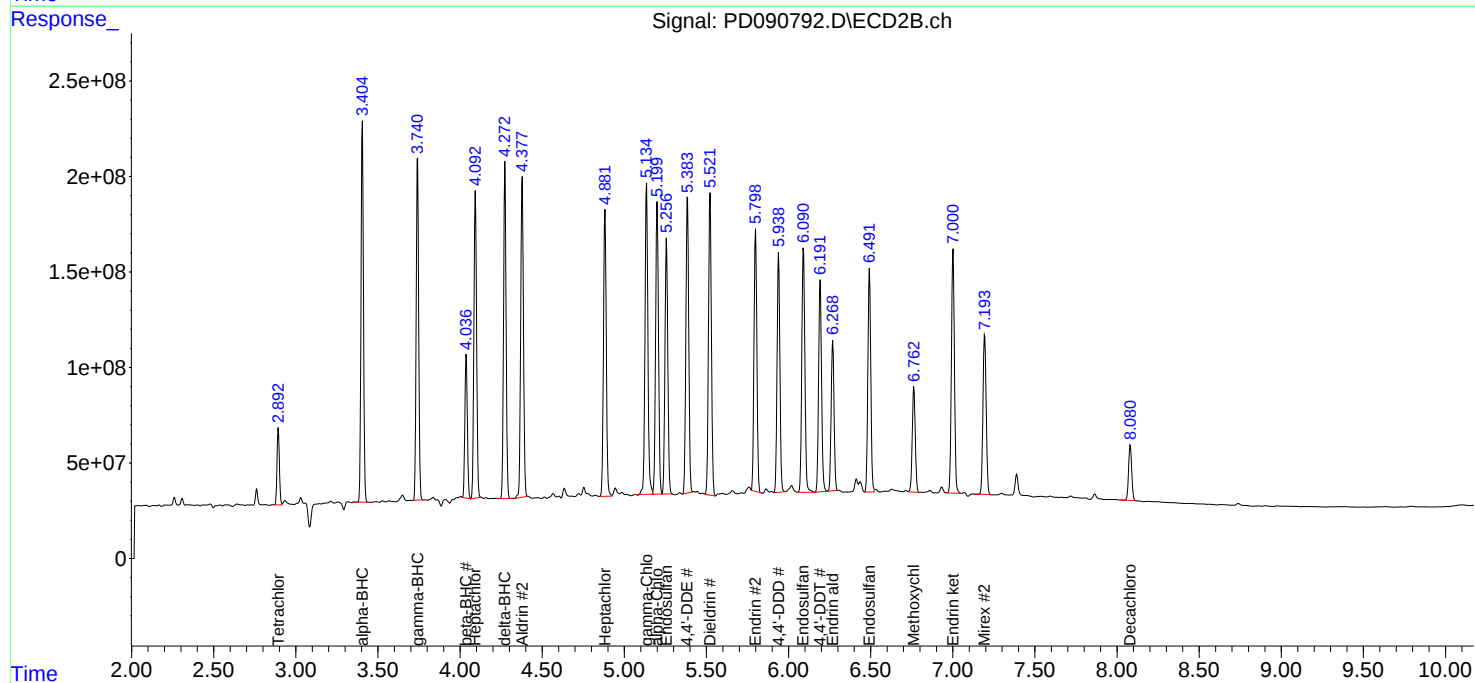
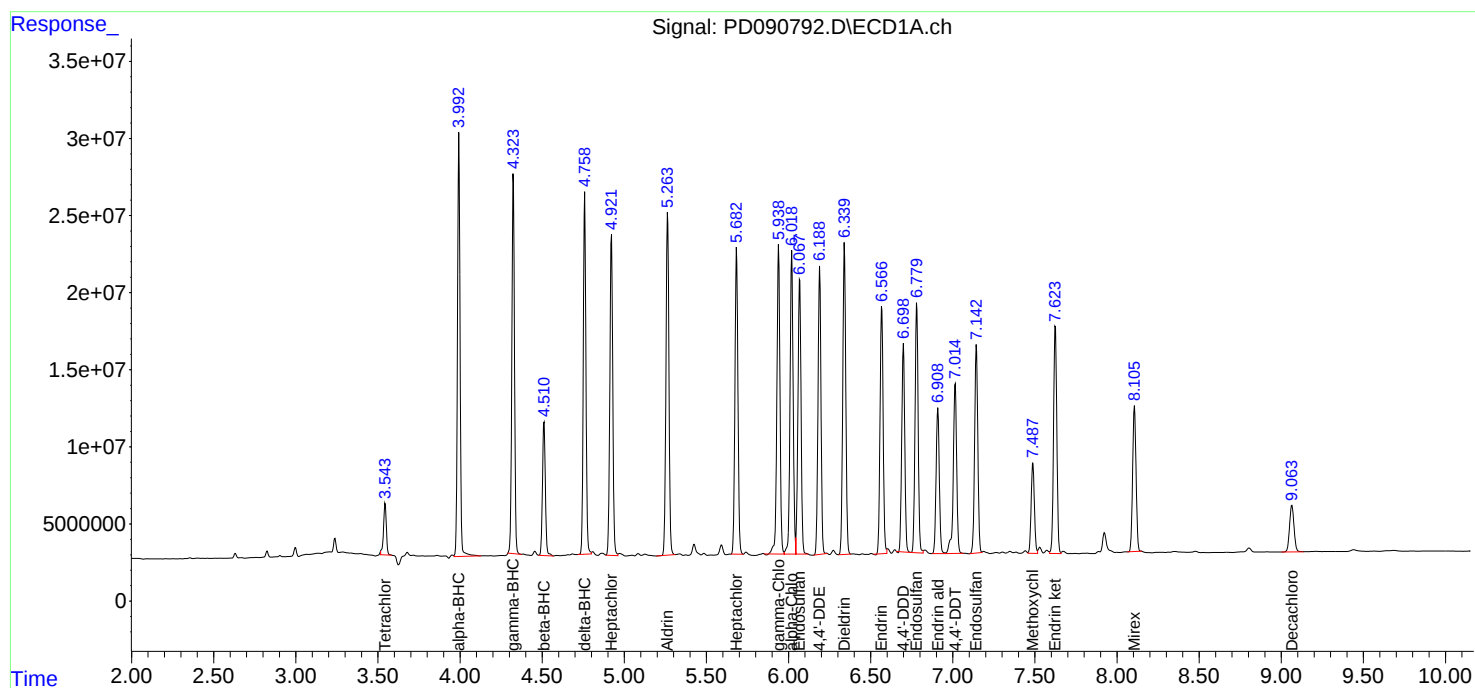
Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

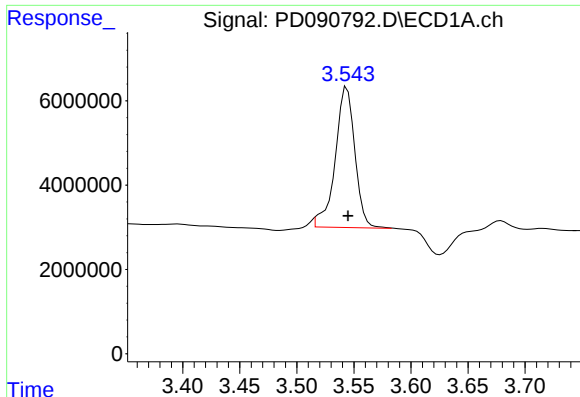
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:16:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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.: 3.543 min
Delta R.T.: -0.002 min
Response: 39847585
Conc: 12.80 ng/ml

Instrument :

ECD_D

ClientSampleId :

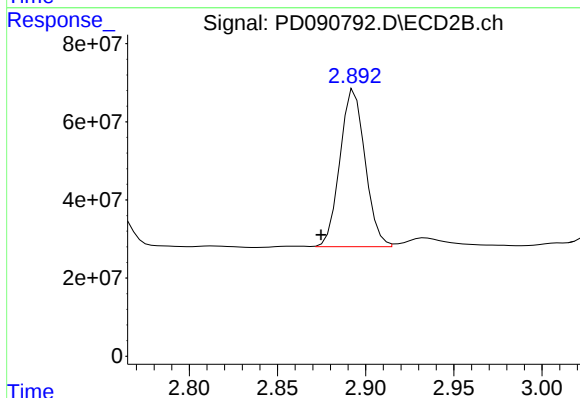
PR-132-S16-015094-20251021MSD

Manual Integrations

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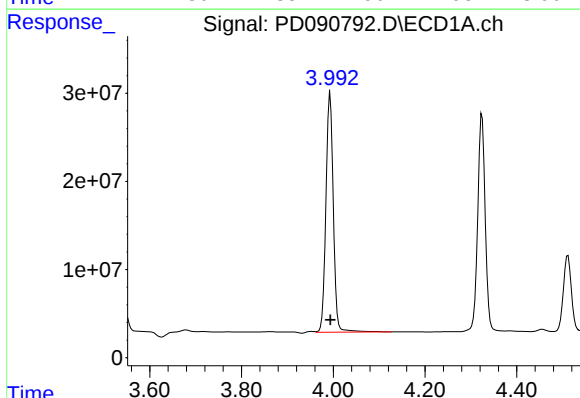
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



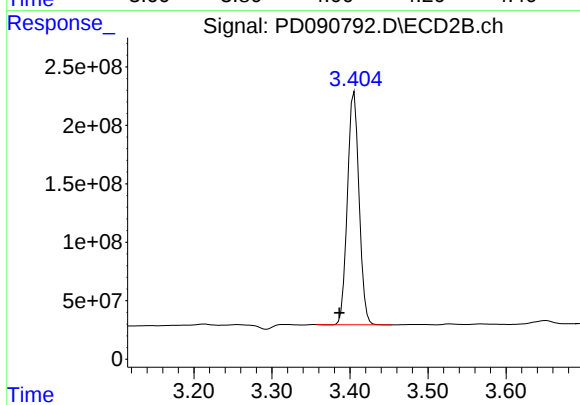
#1 Tetrachloro-m-xylene

R.T.: 2.892 min
Delta R.T.: 0.018 min
Response: 397874476
Conc: 13.36 ng/ml m



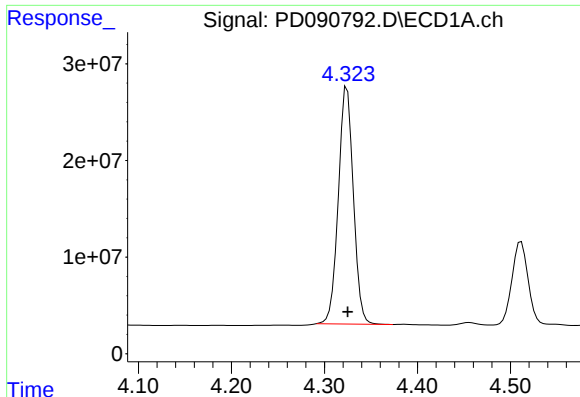
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 303500583
Conc: 42.29 ng/ml



#2 alpha-BHC

R.T.: 3.405 min
Delta R.T.: 0.019 min
Response: 2062182817
Conc: 40.36 ng/ml



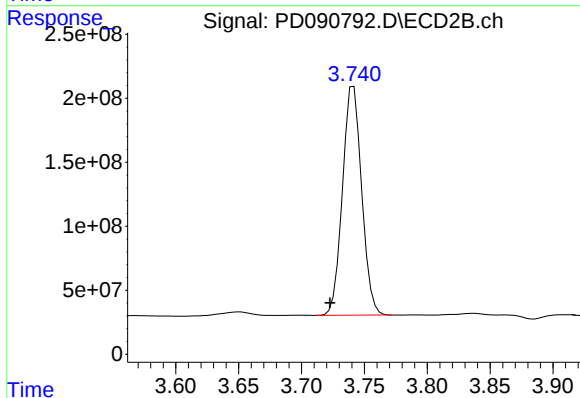
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 275806159
Conc: 40.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

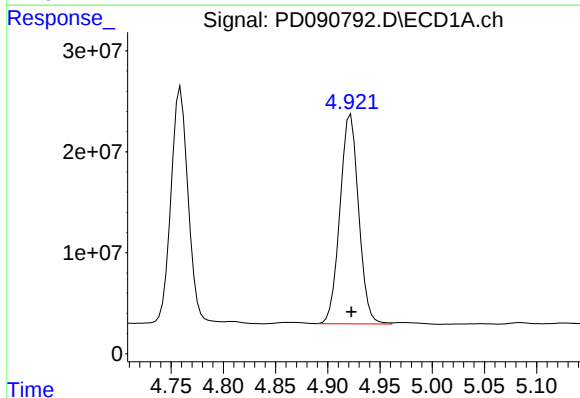
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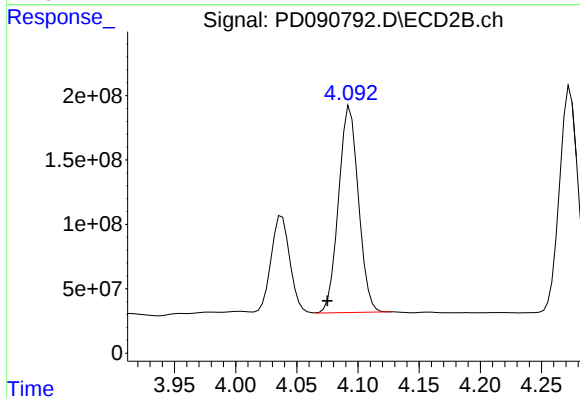
#3 gamma-BHC (Lindane)

R.T.: 3.741 min
Delta R.T.: 0.019 min
Response: 1897333229
Conc: 40.16 ng/ml



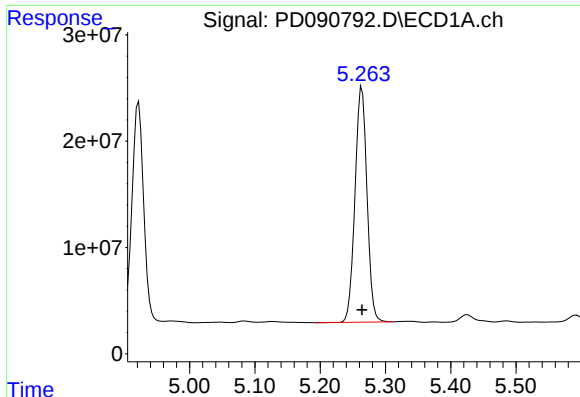
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 258148683
Conc: 46.18 ng/ml



#4 Heptachlor

R.T.: 4.094 min
Delta R.T.: 0.019 min
Response: 1810372369
Conc: 40.59 ng/ml



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 282465266
Conc: 43.14 ng/ml

Instrument :

ECD_D

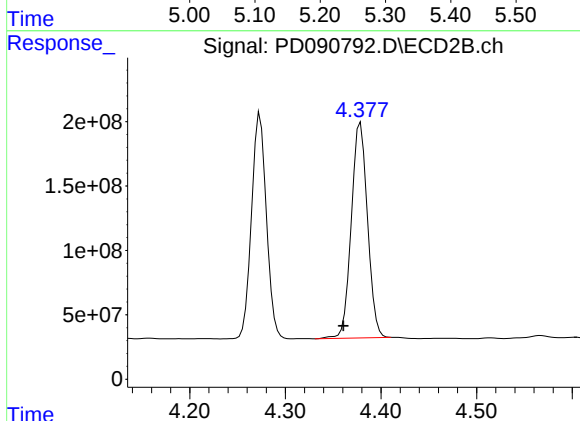
ClientSampleId :

PR-132-S16-015094-20251021MSD

Manual Integrations

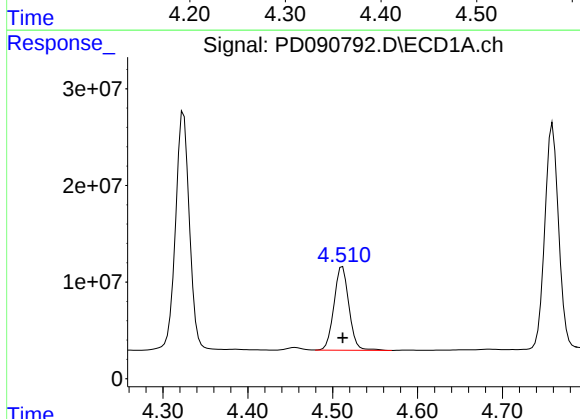
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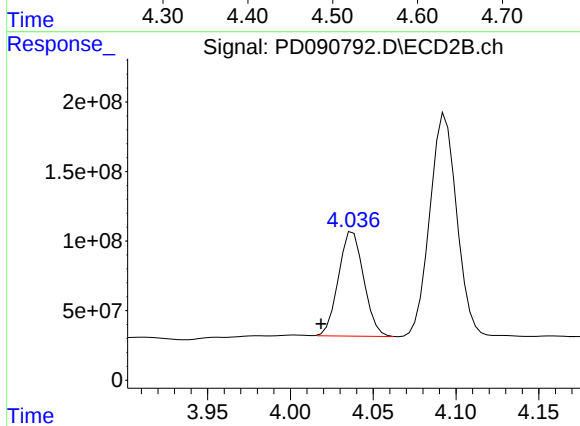
#5 Aldrin

R.T.: 4.379 min
Delta R.T.: 0.018 min
Response: 1976030282
Conc: 42.66 ng/ml



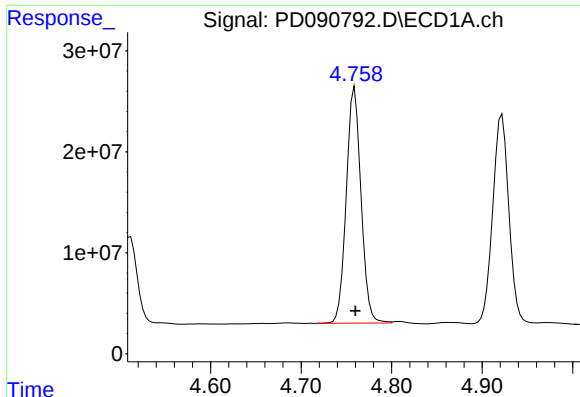
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 106125116
Conc: 40.51 ng/ml



#6 beta-BHC

R.T.: 4.036 min
Delta R.T.: 0.018 min
Response: 796516254
Conc: 40.17 ng/ml m



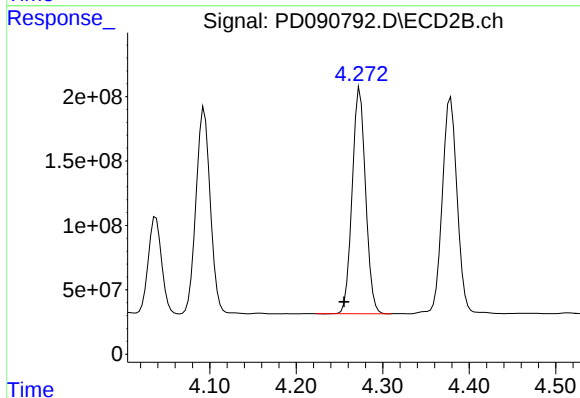
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 265284341
Conc: 39.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

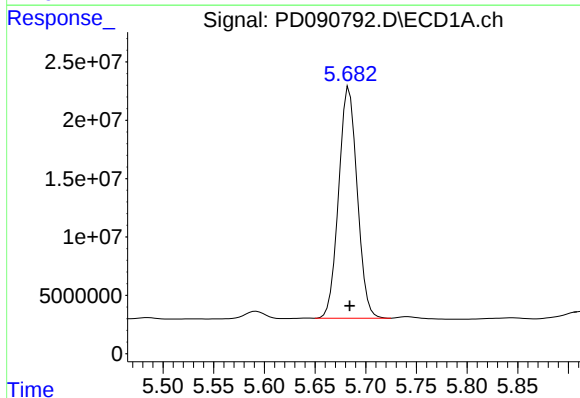
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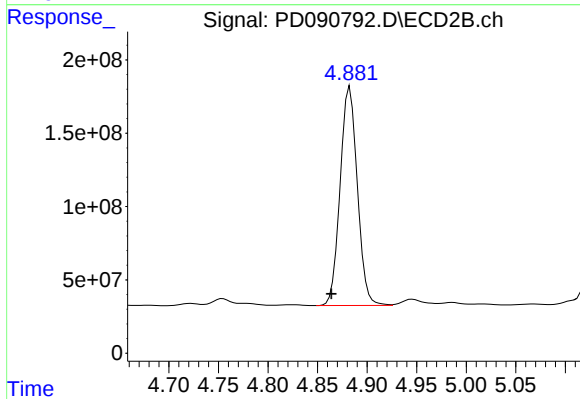
#7 delta-BHC

R.T.: 4.273 min
Delta R.T.: 0.018 min
Response: 1885006420
Conc: 39.50 ng/ml



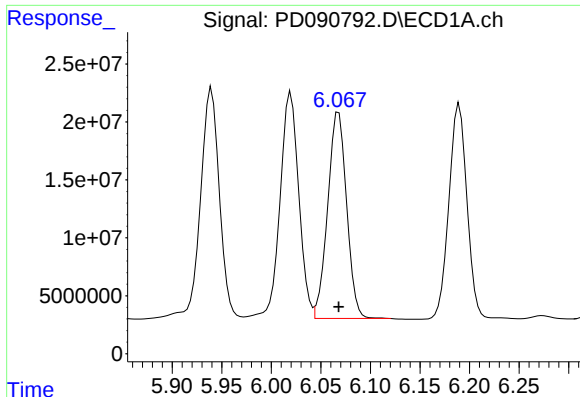
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 252132388
Conc: 43.55 ng/ml



#8 Heptachlor epoxide

R.T.: 4.883 min
Delta R.T.: 0.019 min
Response: 1803142259
Conc: 42.29 ng/ml



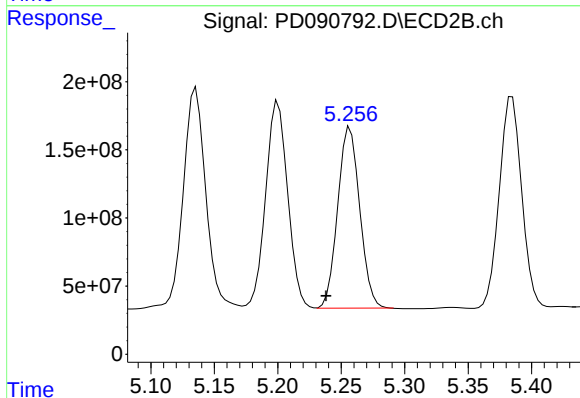
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 236586696
Conc: 42.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

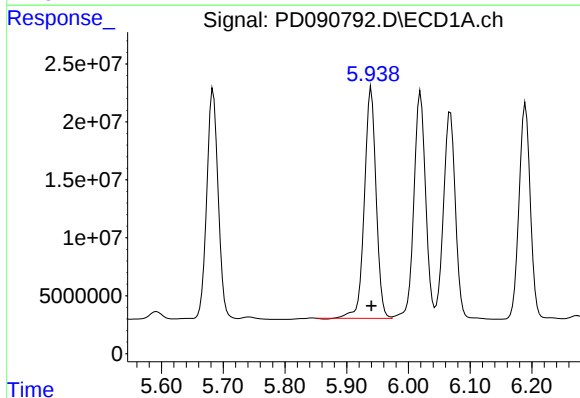
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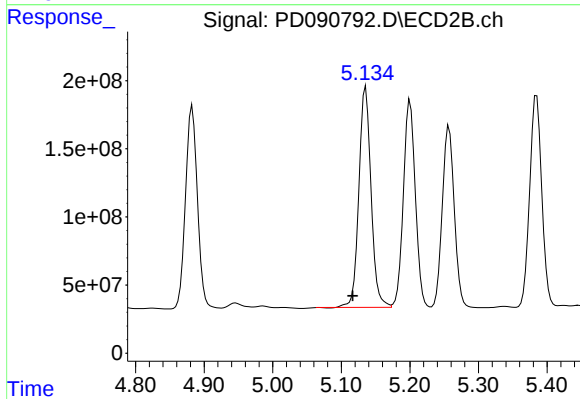
#9 Endosulfan I

R.T.: 5.257 min
Delta R.T.: 0.019 min
Response: 1607933136
Conc: 40.82 ng/ml



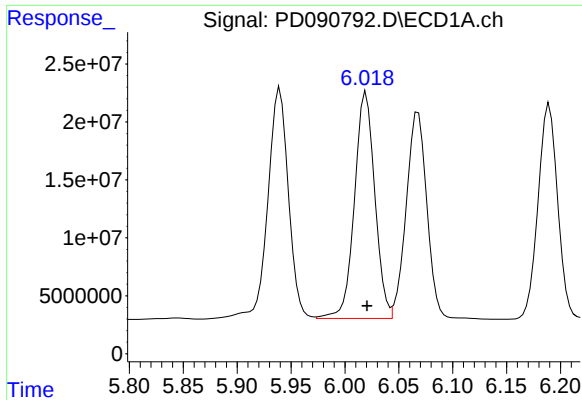
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 262917512
Conc: 44.33 ng/ml



#10 gamma-Chlordane

R.T.: 5.136 min
Delta R.T.: 0.019 min
Response: 1995134604
Conc: 44.39 ng/ml



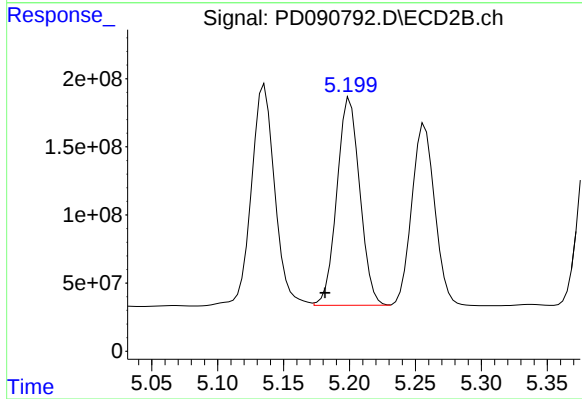
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 257033467
Conc: 41.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
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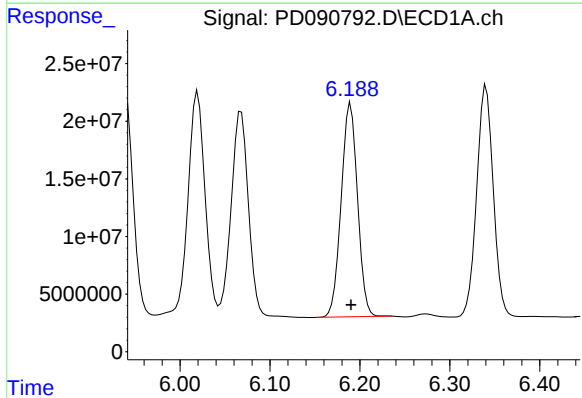
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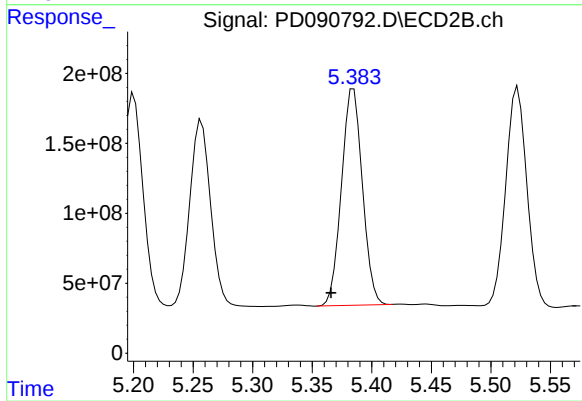
#11 alpha-Chlordane

R.T.: 5.200 min
Delta R.T.: 0.019 min
Response: 1842813336
Conc: 42.72 ng/ml



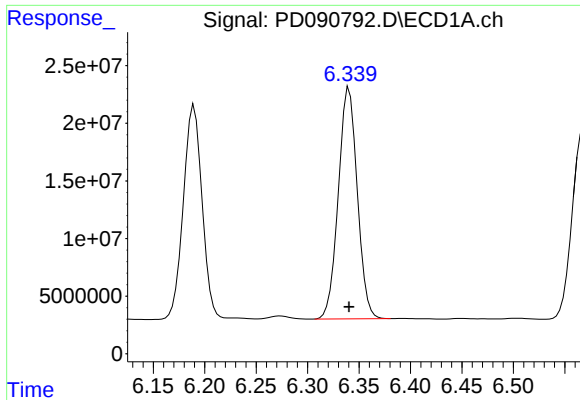
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 234301130
Conc: 43.99 ng/ml



#12 4,4'-DDE

R.T.: 5.385 min
Delta R.T.: 0.019 min
Response: 1892923884
Conc: 43.18 ng/ml



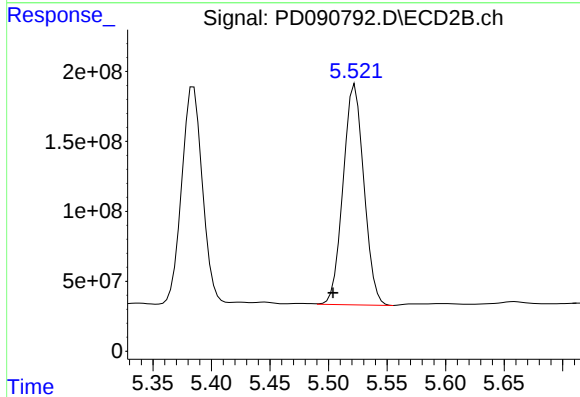
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 257741405
Conc: 44.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

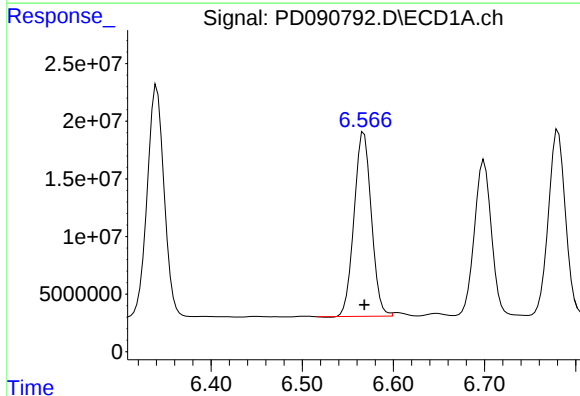
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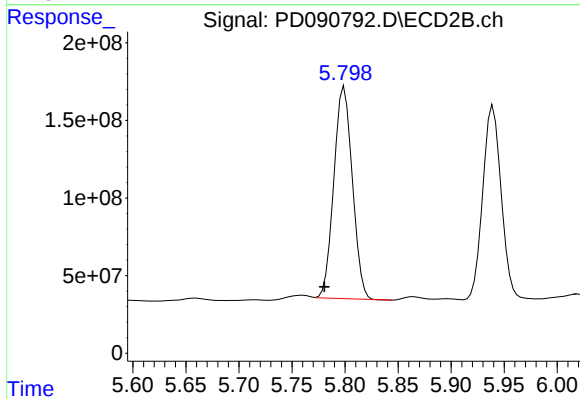
#13 Dieldrin

R.T.: 5.523 min
Delta R.T.: 0.019 min
Response: 1947914952
Conc: 44.09 ng/ml



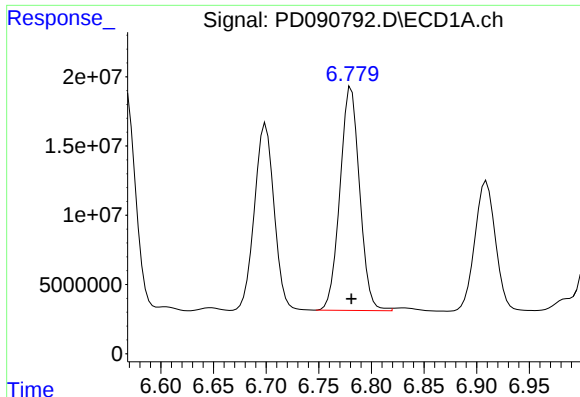
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 210062845
Conc: 42.41 ng/ml



#14 Endrin

R.T.: 5.799 min
Delta R.T.: 0.019 min
Response: 1661480585
Conc: 41.03 ng/ml



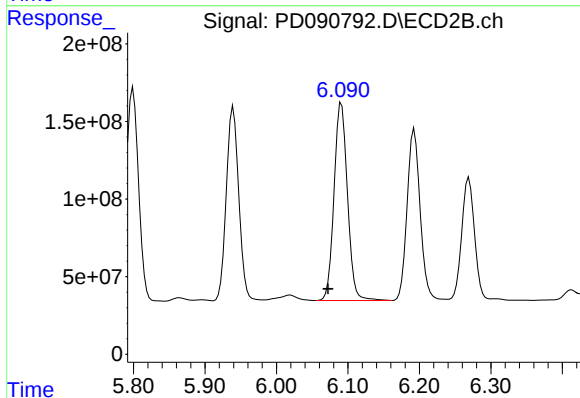
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 210231222
Conc: 42.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

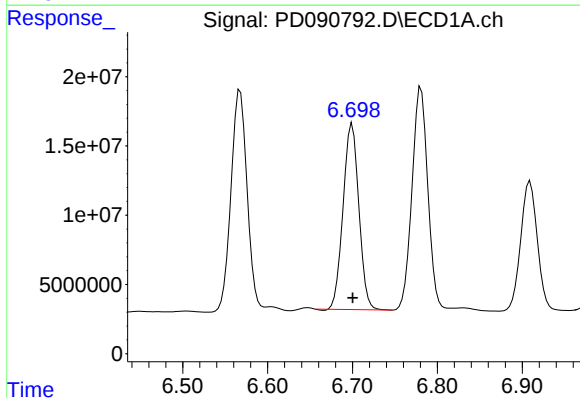
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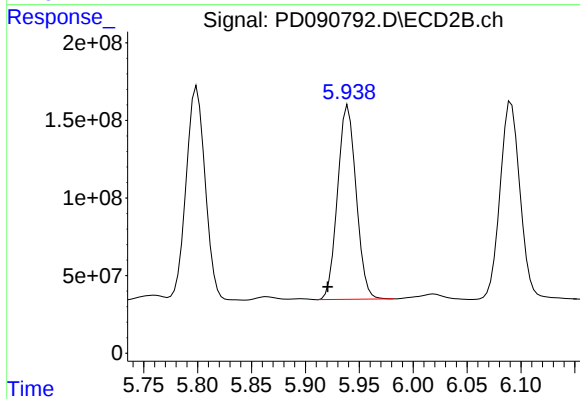
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: 0.019 min
Response: 1660612907
Conc: 44.22 ng/ml



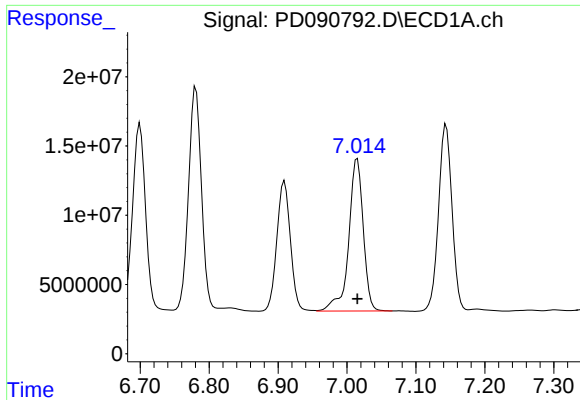
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 173040270
Conc: 42.68 ng/ml



#16 4,4'-DDD

R.T.: 5.940 min
Delta R.T.: 0.019 min
Response: 1501002926
Conc: 41.19 ng/ml



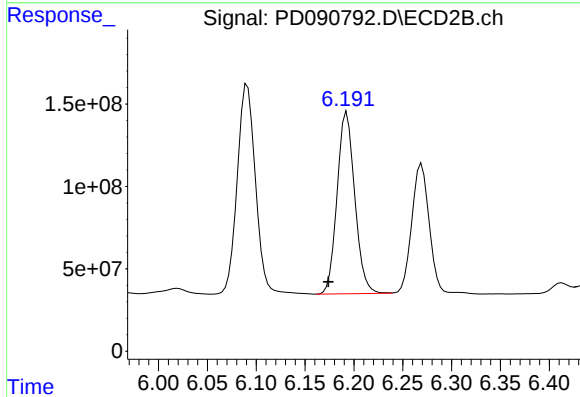
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 161334335
Conc: 39.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

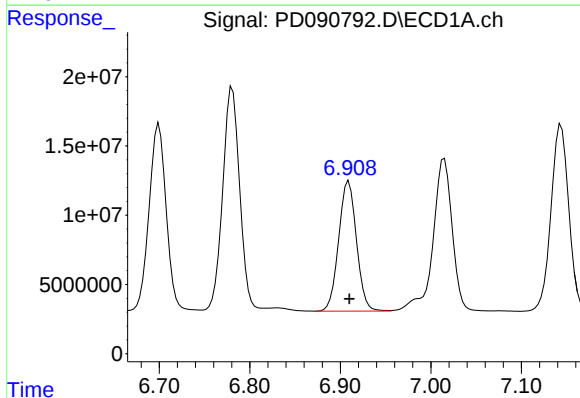
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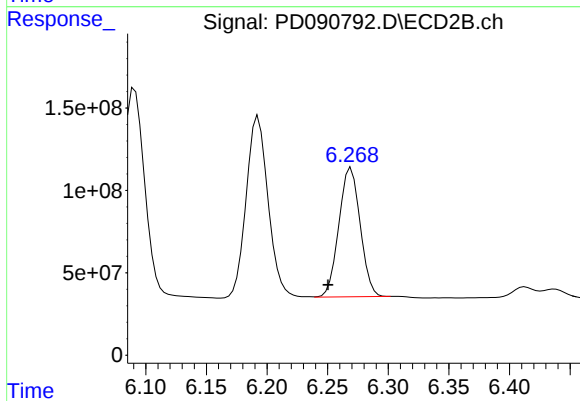
#17 4,4'-DDT

R.T.: 6.193 min
Delta R.T.: 0.019 min
Response: 1389866327
Conc: 39.63 ng/ml



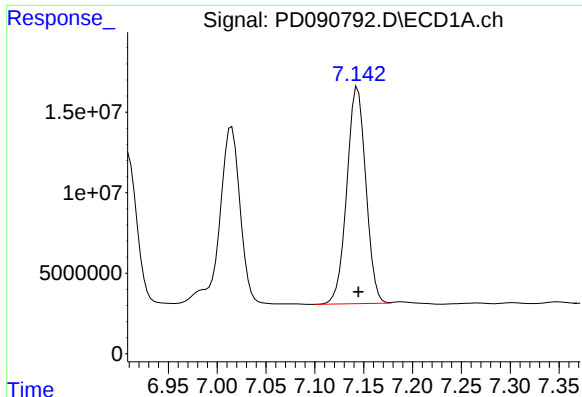
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 128348284
Conc: 35.04 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: 0.019 min
Response: 959244754
Conc: 34.64 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 182326490
Conc: 39.31 ng/ml

Instrument :

ECD_D

ClientSampleId :

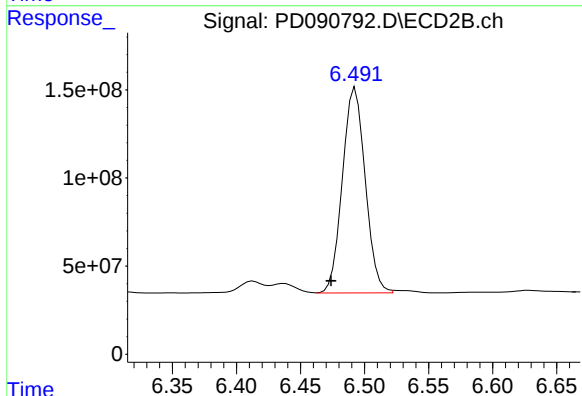
PR-132-S16-015094-20251021MSD

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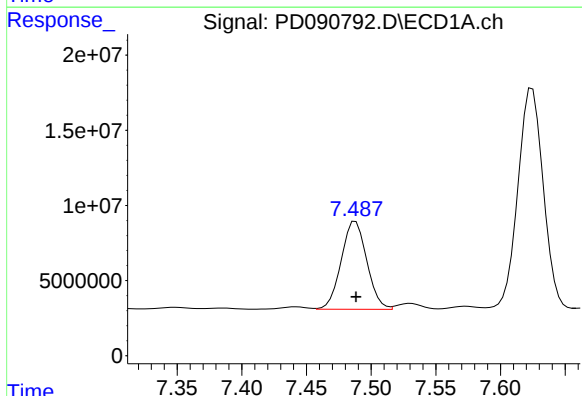
Reviewed By :Abdul Mirza 10/24/2025

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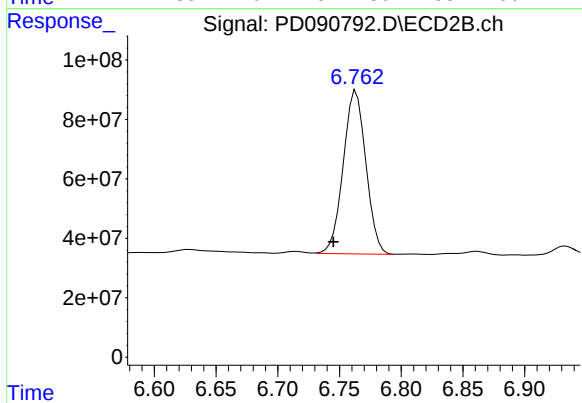
#19 Endosulfan Sulfate

R.T.: 6.491 min
Delta R.T.: 0.018 min
Response: 1447312056
Conc: 40.38 ng/ml m



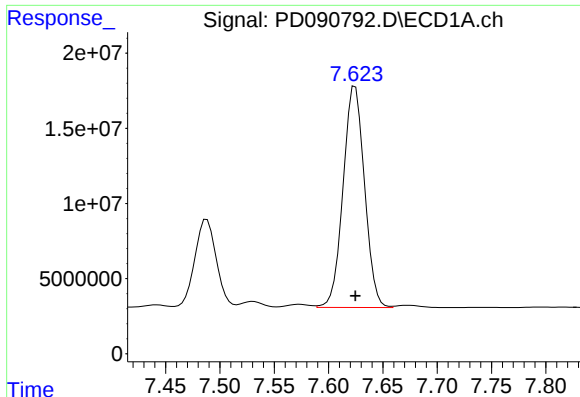
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 80516721
Conc: 37.88 ng/ml



#20 Methoxychlor

R.T.: 6.762 min
Delta R.T.: 0.017 min
Response: 702072324
Conc: 40.28 ng/ml m



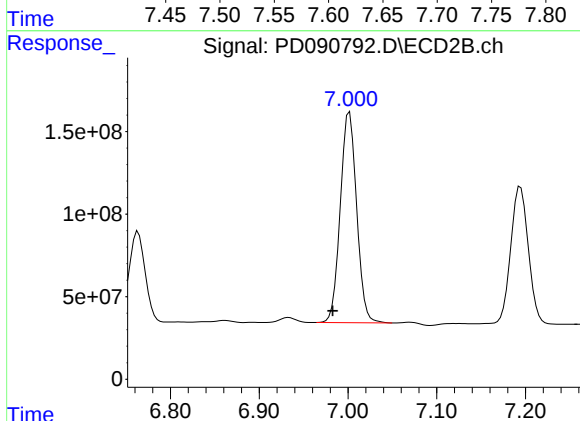
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 202338303
Conc: 41.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

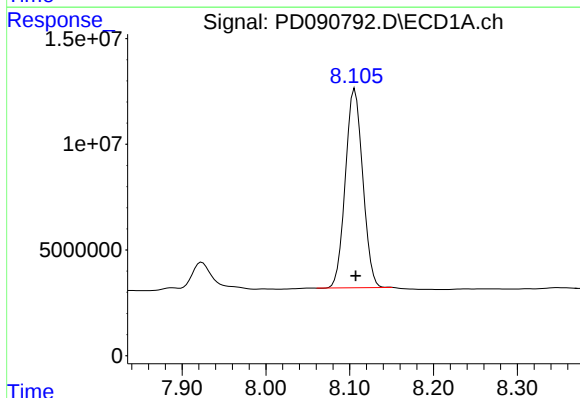
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



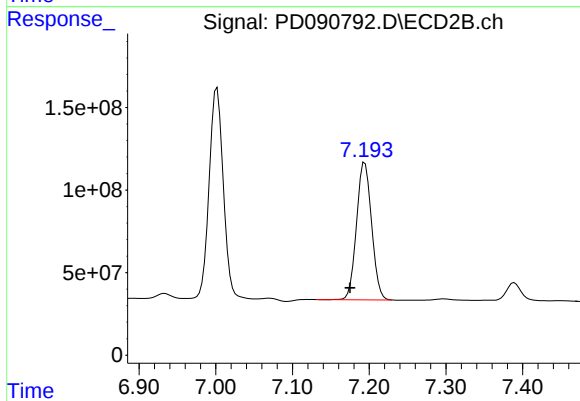
#21 Endrin ketone

R.T.: 7.000 min
Delta R.T.: 0.018 min
Response: 1637714355
Conc: 43.42 ng/ml m



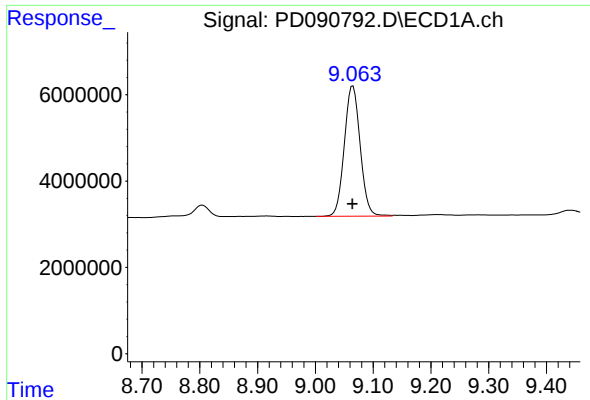
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 135862453
Conc: 42.45 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: 0.019 min
Response: 1143110939
Conc: 44.49 ng/ml



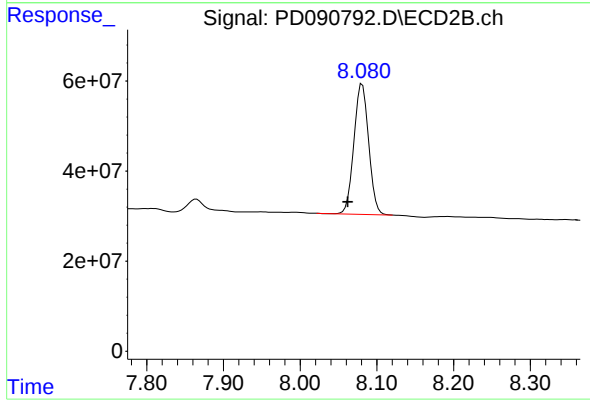
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.000 min
Response: 57192018
Conc: 12.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: 0.019 min
Response: 389740832
Conc: 12.87 ng/ml