

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100625\
 Data File : PD090526.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 15:18
 Operator : AR\AJ
 Sample : Q3289-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 72-11966MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/07/2025
 Supervised By : mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 03:22:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	57830031	504.8E6	17.791m	18.389m
28)	SA Decachlor...	9.064	8.061	68794272	397.7E6	14.258	12.269
Target Compounds							
2)	A alpha-BHC	3.995	3.387	297.5E6	1864.5E6	42.595	42.585
3)	MA gamma-BHC...	4.324	3.723	278.9E6	1700.9E6	42.143m	41.754
4)	MA Heptachlor	4.923	4.075	261.8E6	1624.5E6	39.596	39.899
5)	MB Aldrin	5.264	4.361	276.3E6	1695.6E6	43.517	42.458
6)	B beta-BHC	4.512	4.019	105.9E6	727.8E6	41.063	41.984
7)	B delta-BHC	4.759	4.255	268.4E6	1674.4E6	41.560m	40.548
8)	B Heptachlo...	5.684	4.864	257.7E6	1632.1E6	45.089	44.273
9)	A Endosulfan I	6.067	5.239	215.9E6	1387.1E6	39.971m	40.085
10)	B gamma-Chl...	5.940	5.117	281.5E6	2174.2E6	49.284	55.344
11)	B alpha-Chl...	6.020	5.181	331.2E6	1923.5E6	57.498m	51.068
12)	B 4,4'-DDE	6.189	5.366	213.4E6	1601.7E6	40.982	41.844
13)	MA Dieldrin	6.340	5.504	232.6E6	1584.8E6	40.350	40.692
14)	MA Endrin	6.568	5.780	194.3E6	1407.7E6	39.693	39.286
15)	B Endosulfa...	6.781	6.072	193.2E6	1396.0E6	39.615	41.363
16)	A 4,4'-DDD	6.700	5.920	168.5E6	1150.2E6	41.114	35.470
17)	MA 4,4'-DDT	7.015	6.174	167.3E6	1217.0E6	37.579	35.400
18)	B Endrin al...	6.910	6.250	131.5E6	862.0E6	38.317	36.608
19)	B Endosulfa...	7.144	6.473	168.5E6	1151.2E6	36.623	35.216
20)	A Methoxychlor	7.488	6.744	78521879	555.0E6	33.321	31.896
21)	B Endrin ke...	7.623	6.982	178.8E6	1160.7E6	36.138m	32.151
22)	Mirex	8.105	7.175	139.5E6	922.8E6	37.641m	33.427

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100625\
Data File : PD090526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 15:18
Operator : AR\AJ
Sample : Q3289-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

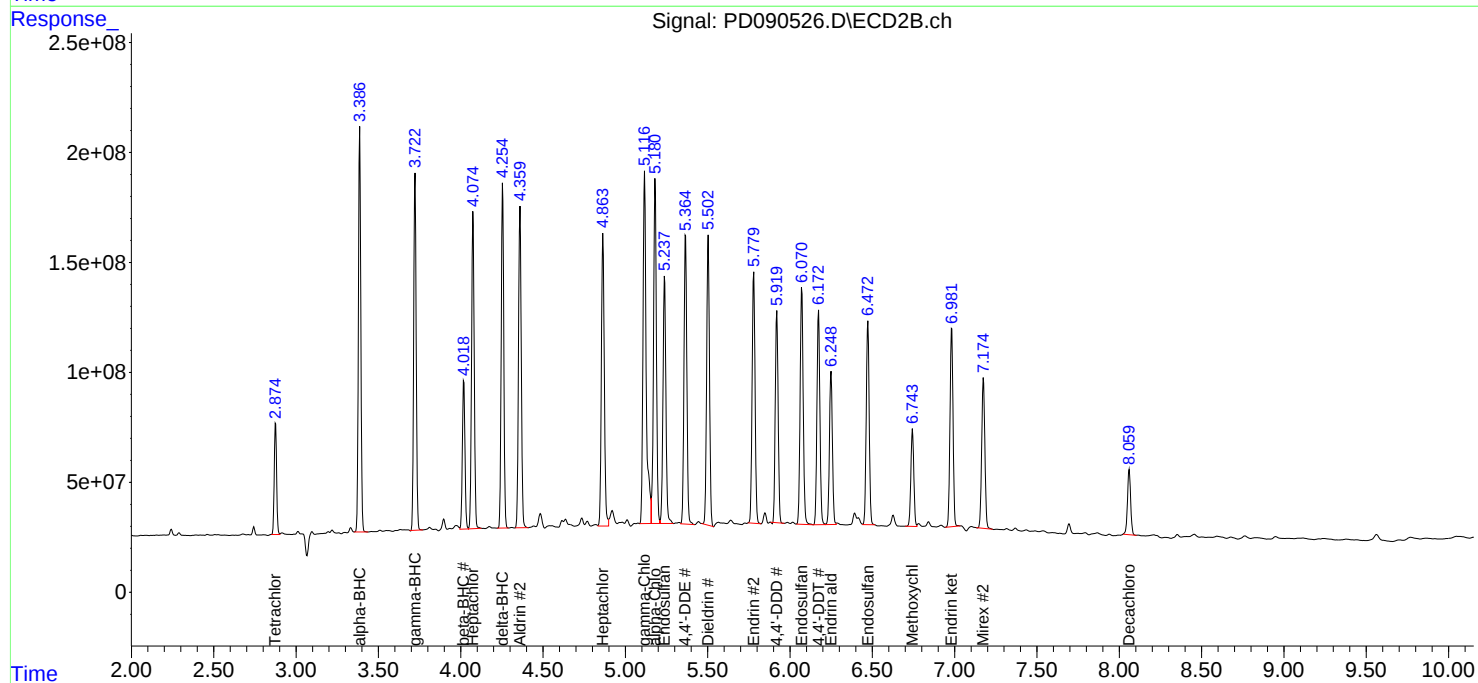
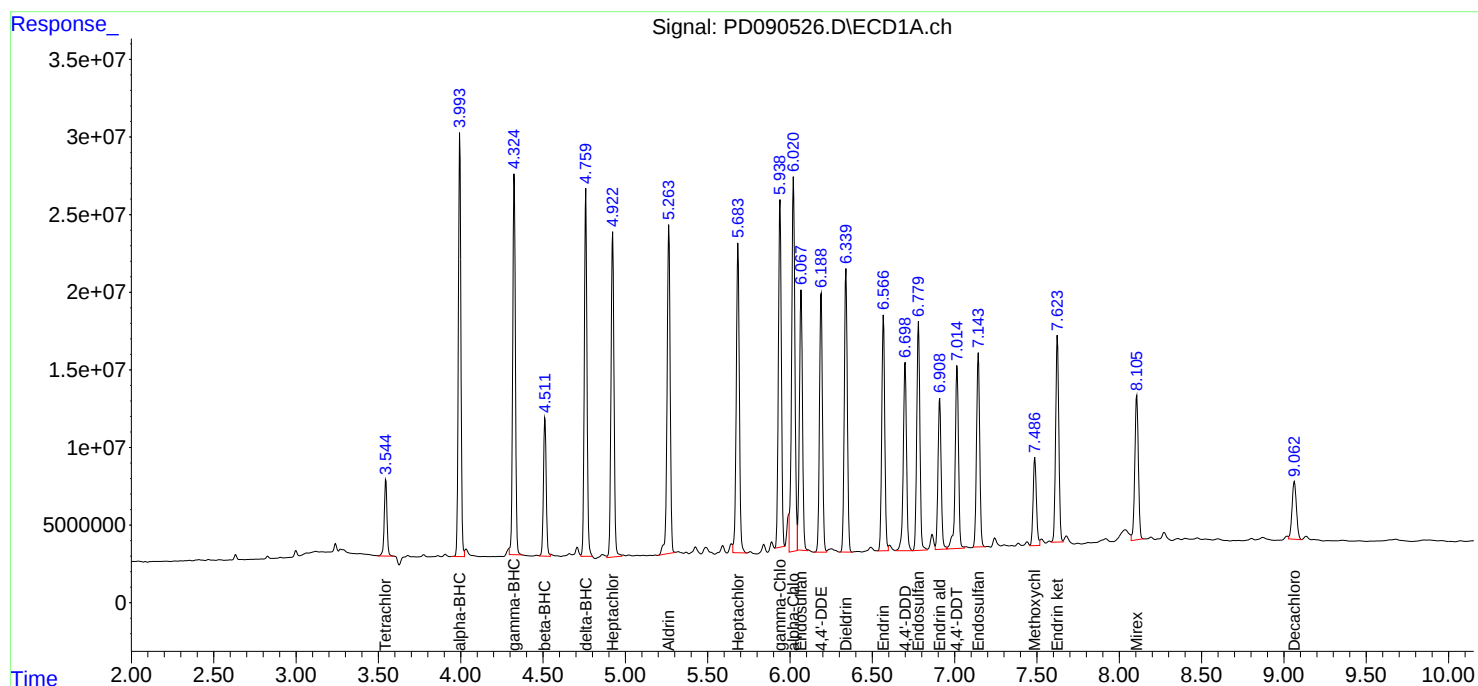
Instrument :
ECD_D
ClientSampleId :
72-11966MSD

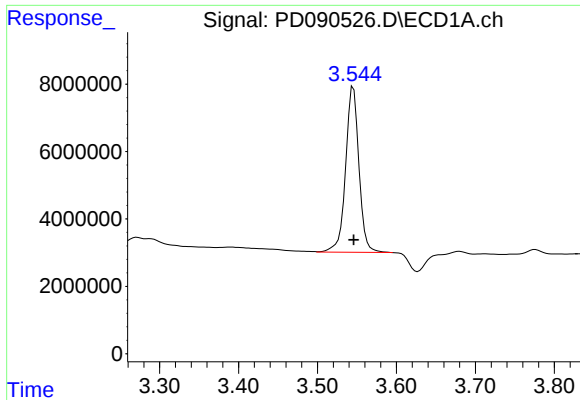
Manual Integrations
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Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 03:22:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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 x 0.25µm





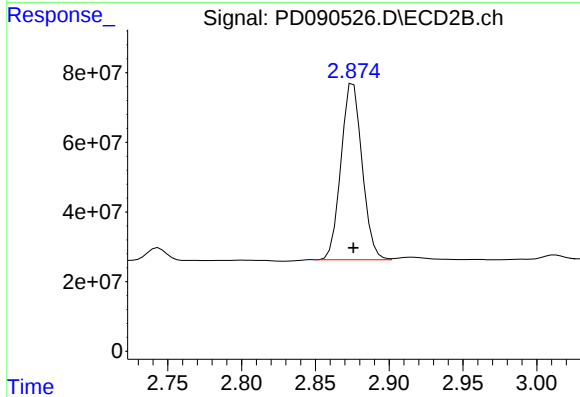
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 57830031
Conc: 17.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

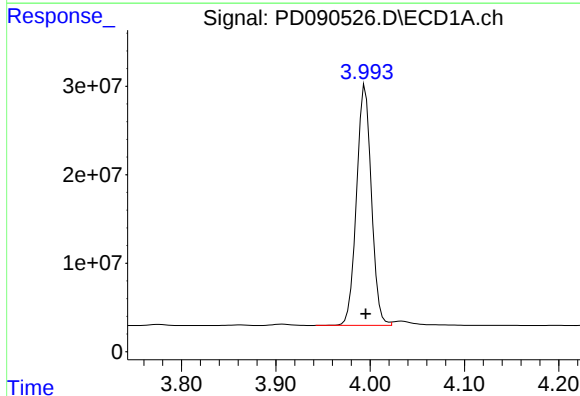
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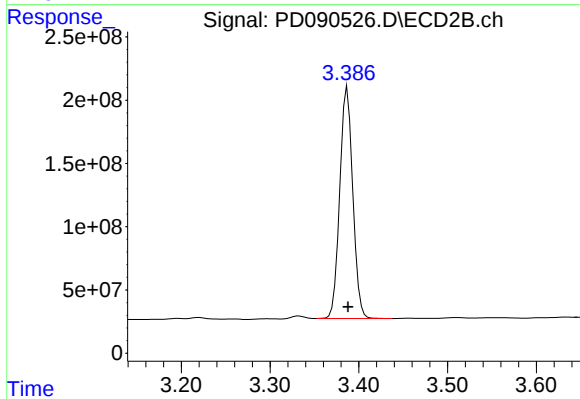
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 504781516
Conc: 18.39 ng/ml m



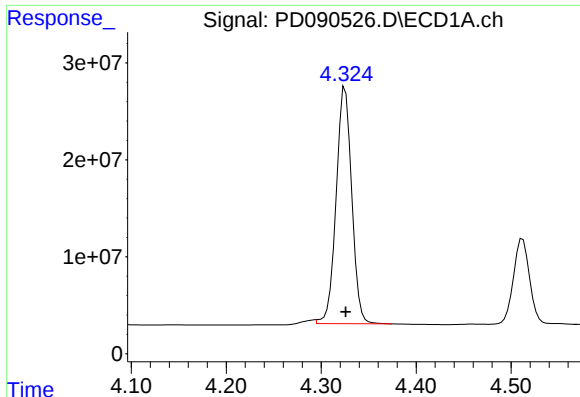
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 297503620
Conc: 42.59 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1864499660
Conc: 42.59 ng/ml



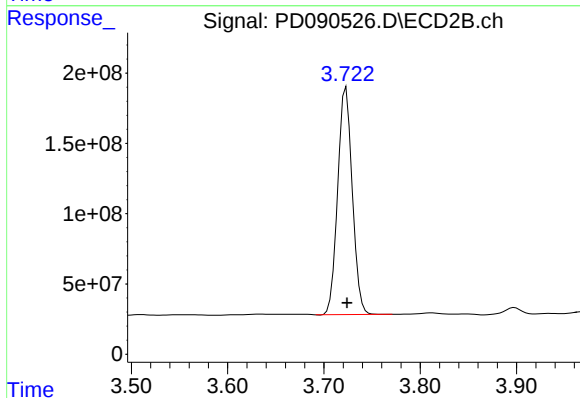
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 278855453
Conc: 42.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

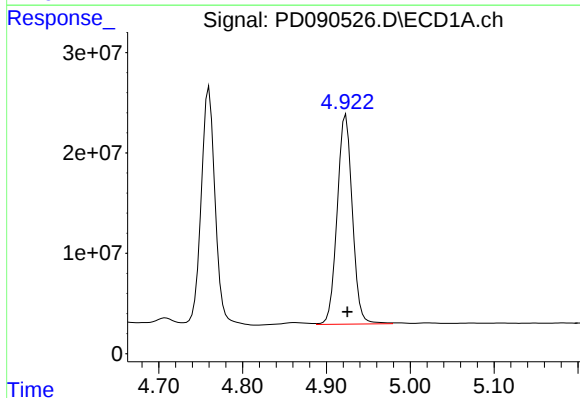
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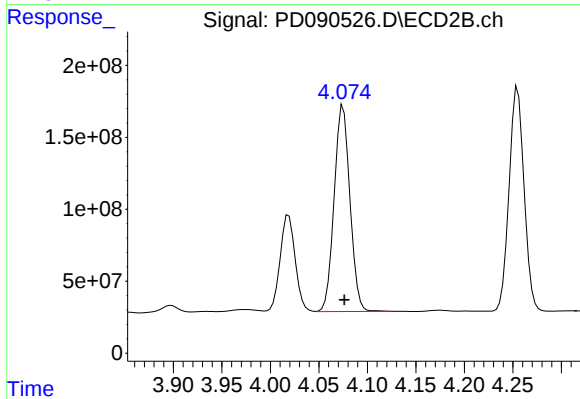
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1700870117
Conc: 41.75 ng/ml



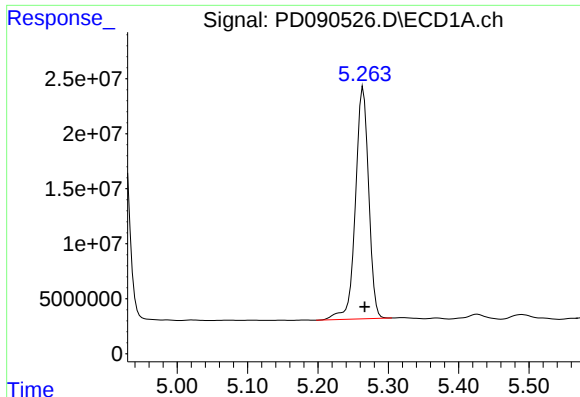
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 261833382
Conc: 39.60 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1624545054
Conc: 39.90 ng/ml



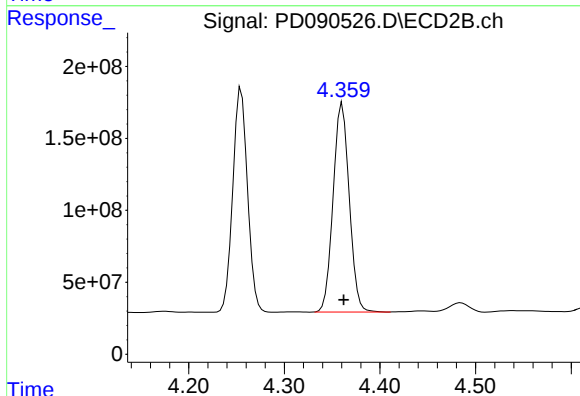
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 276327430
Conc: 43.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

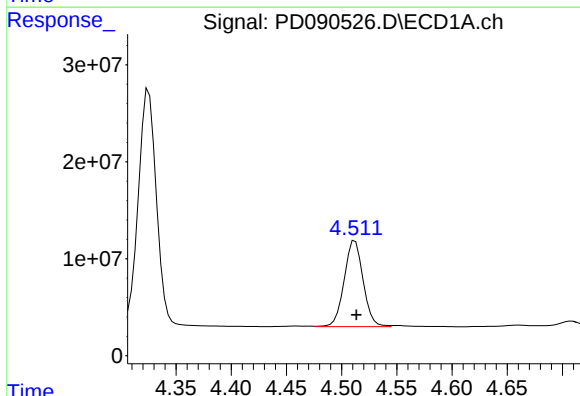
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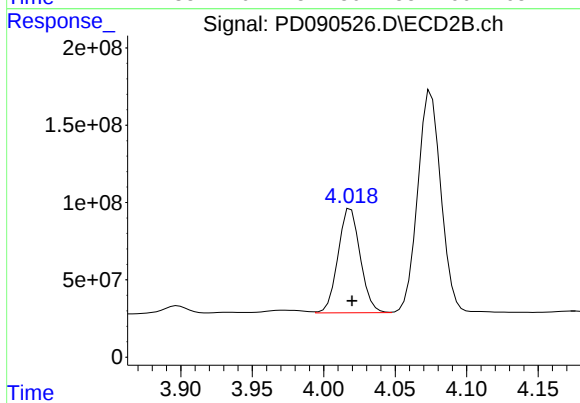
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1695575530
Conc: 42.46 ng/ml



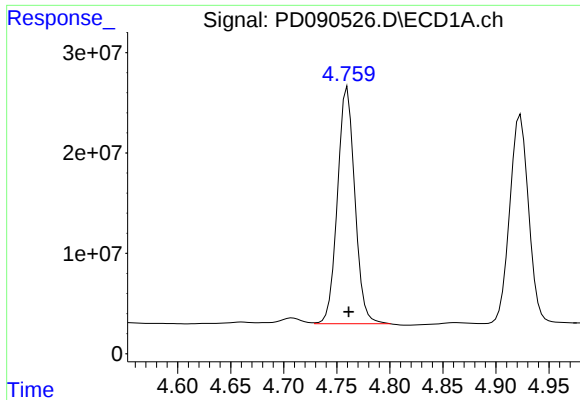
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 105939365
Conc: 41.06 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 727803990
Conc: 41.98 ng/ml



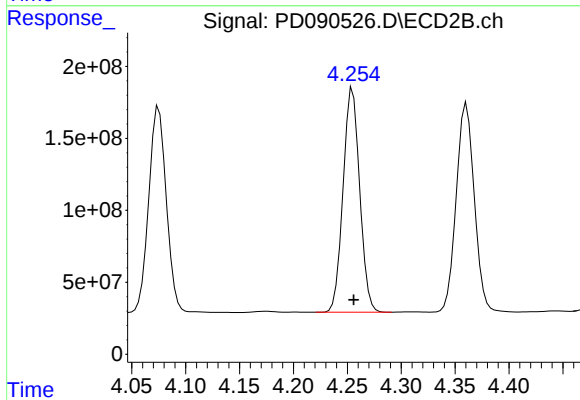
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 268372600
Conc: 41.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

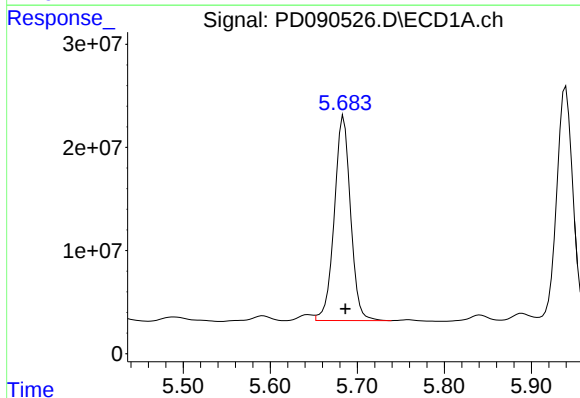
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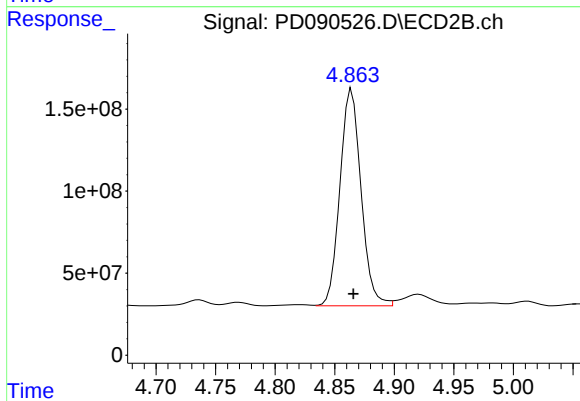
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1674438097
Conc: 40.55 ng/ml



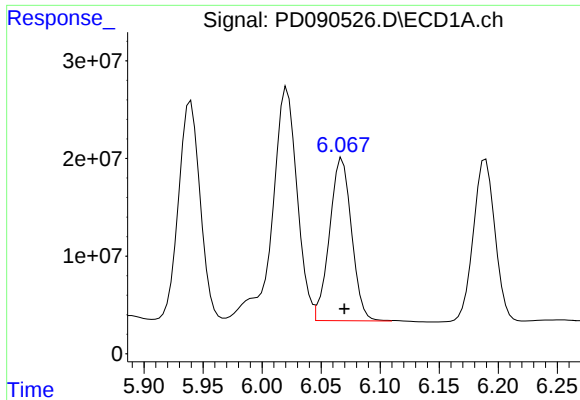
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 257680008
Conc: 45.09 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1632143594
Conc: 44.27 ng/ml



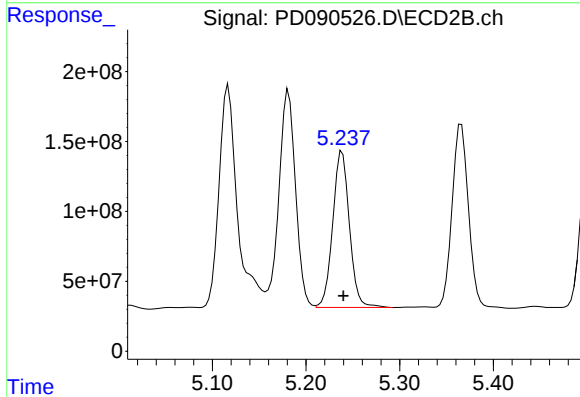
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 215900003
Conc: 39.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

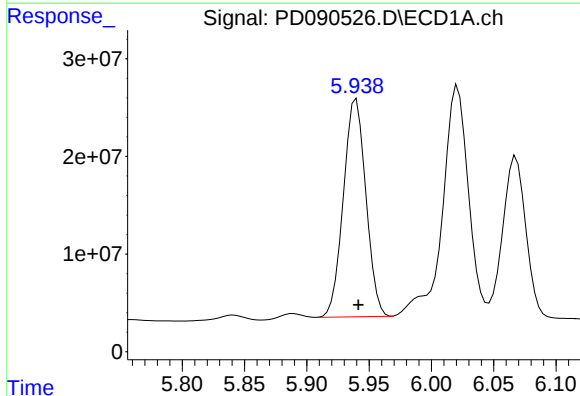
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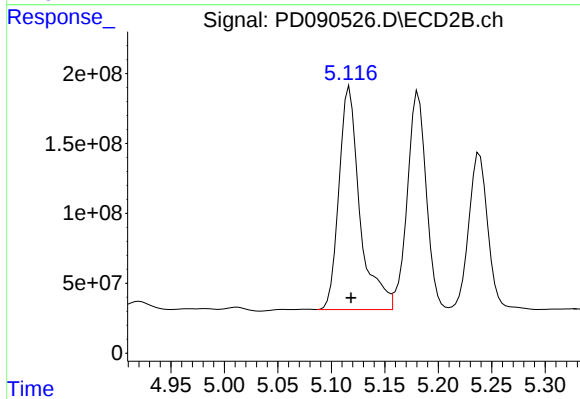
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.001 min
Response: 1387135281
Conc: 40.08 ng/ml



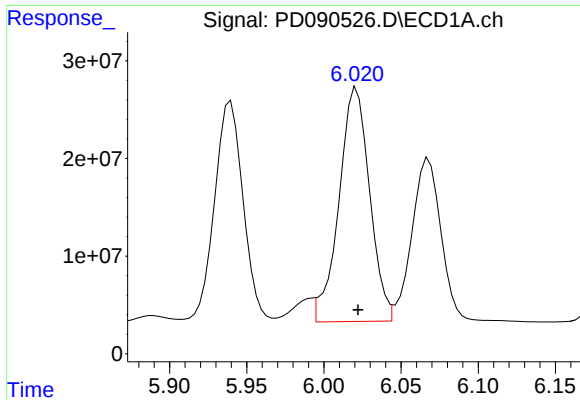
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 281507126
Conc: 49.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2174245934
Conc: 55.34 ng/ml



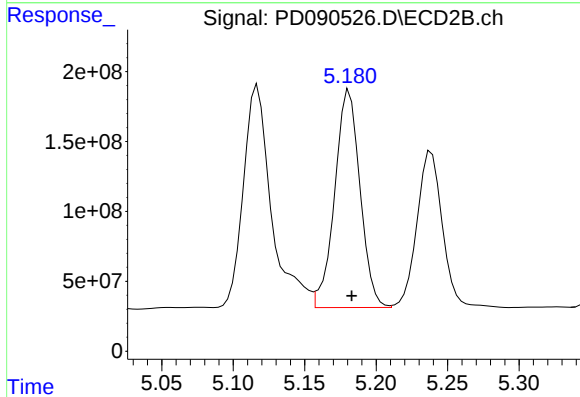
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.002 min
Response: 331238903
Conc: 57.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

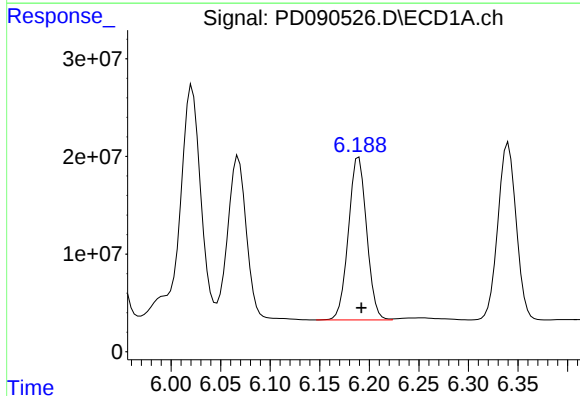
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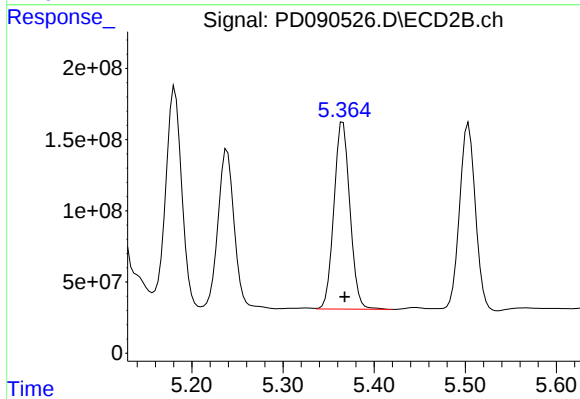
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1923493572
Conc: 51.07 ng/ml



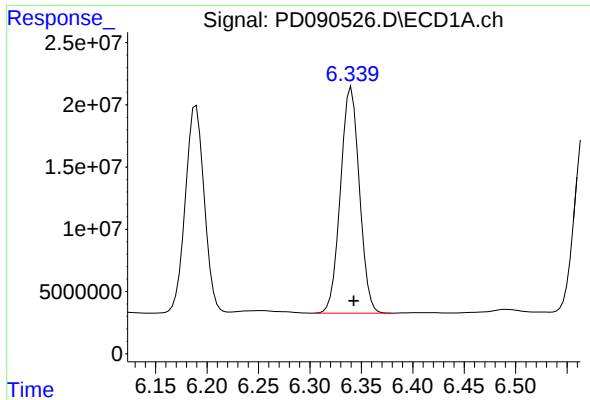
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 213411963
Conc: 40.98 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1601745946
Conc: 41.84 ng/ml



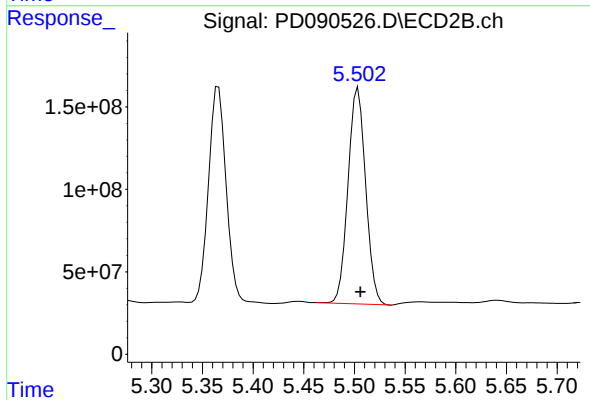
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 232604459
Conc: 40.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

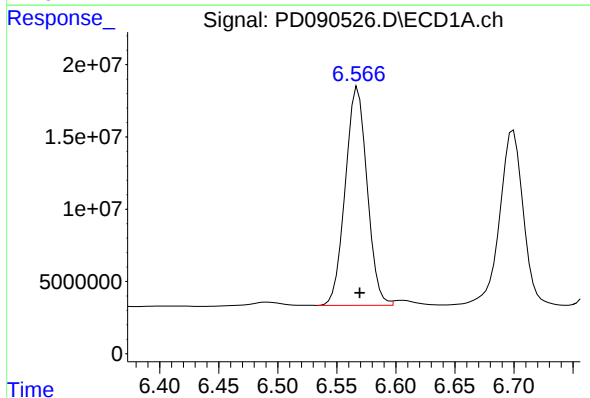
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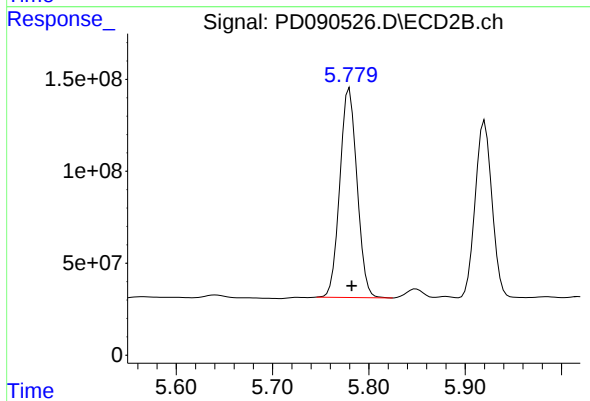
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1584806208
Conc: 40.69 ng/ml



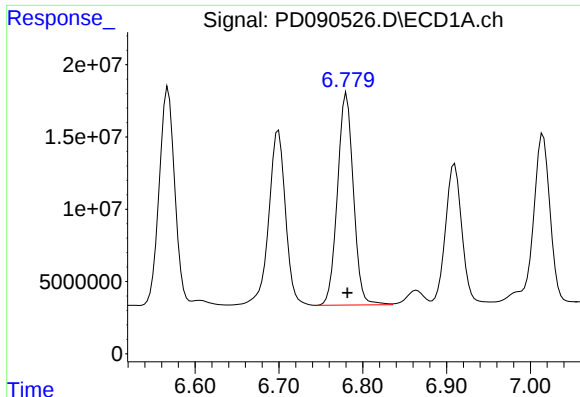
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 194257267
Conc: 39.69 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1407685302
Conc: 39.29 ng/ml



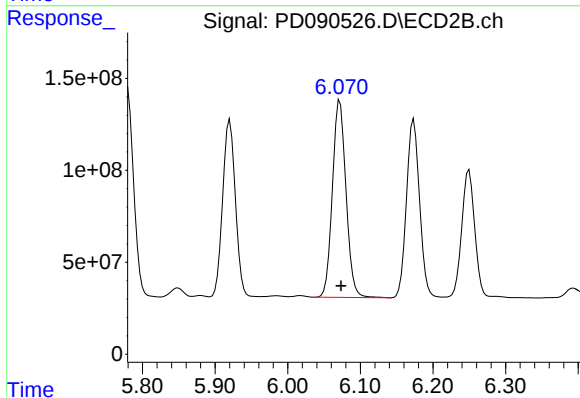
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 193232348
Conc: 39.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

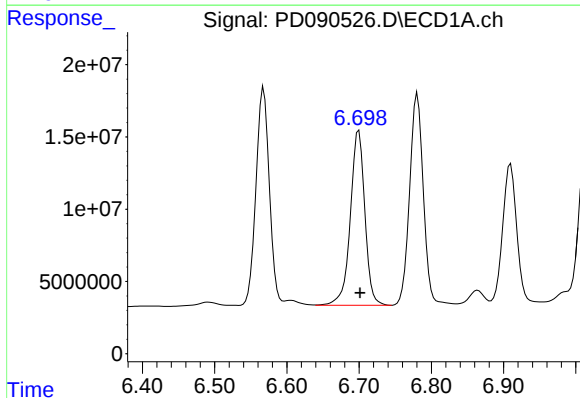
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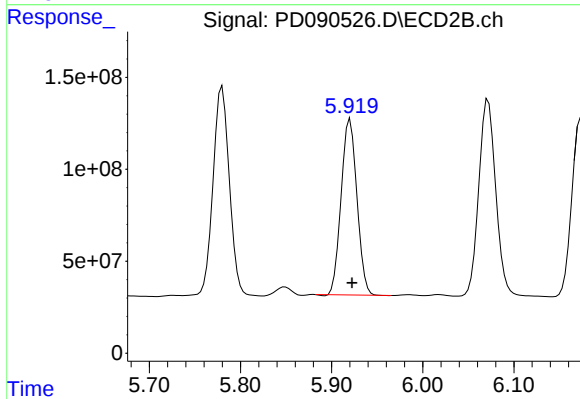
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1396028938
Conc: 41.36 ng/ml



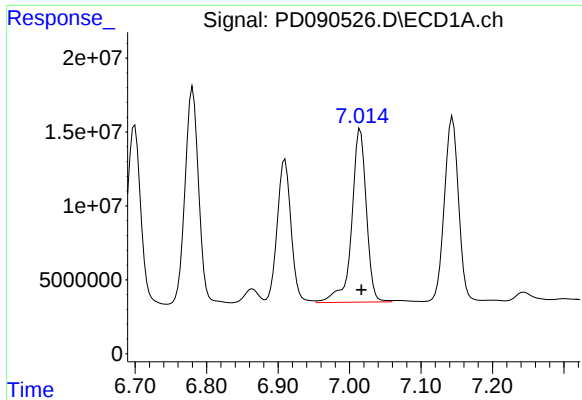
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 168478618
Conc: 41.11 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1150212622
Conc: 35.47 ng/ml



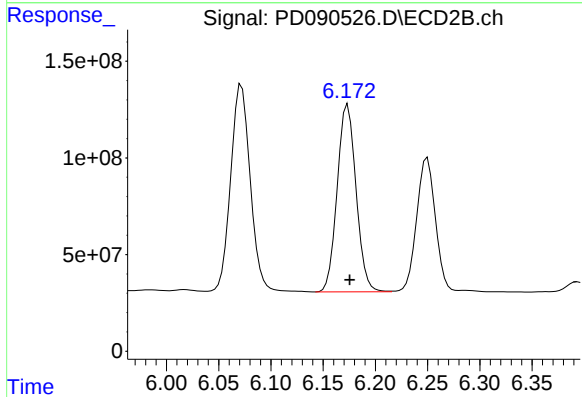
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 167320724
Conc: 37.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

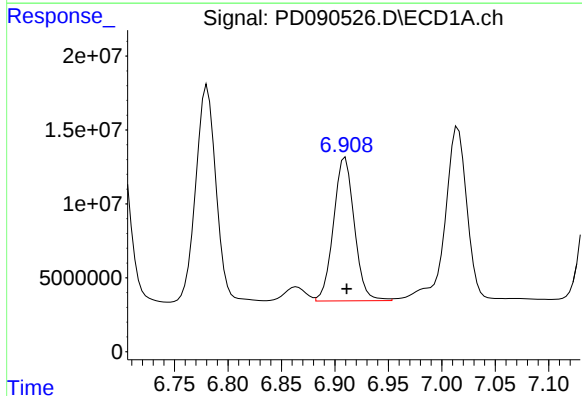
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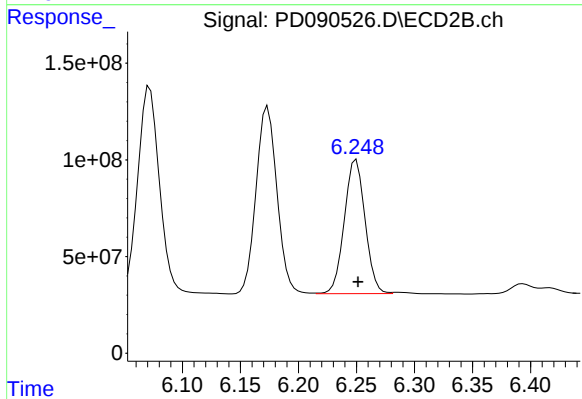
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1217026298
Conc: 35.40 ng/ml



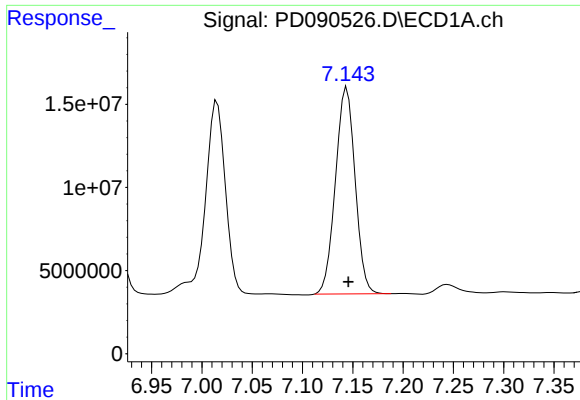
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 131451324
Conc: 38.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 862008582
Conc: 36.61 ng/ml



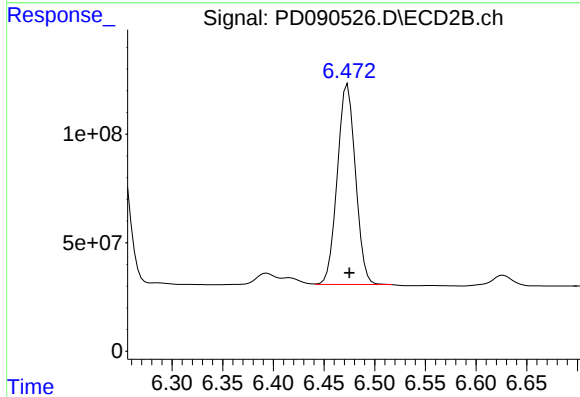
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 168479554
Conc: 36.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
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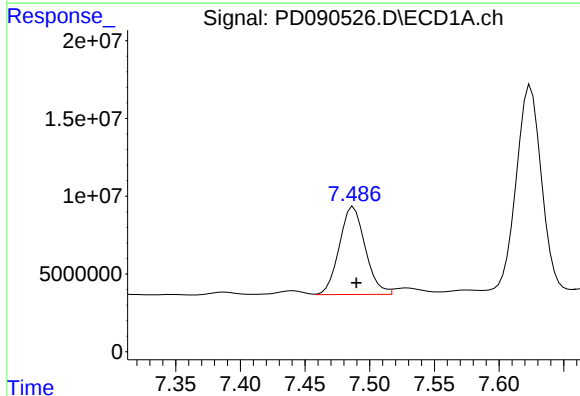
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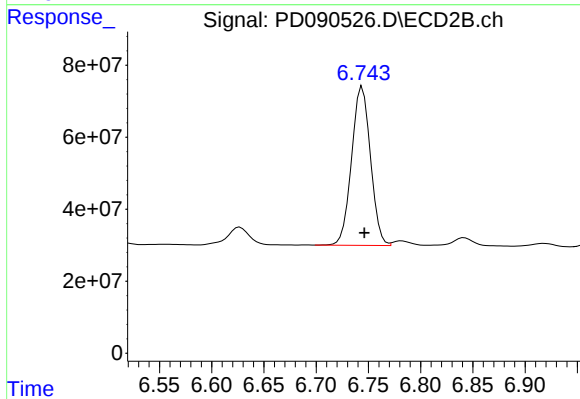
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1151227647
Conc: 35.22 ng/ml



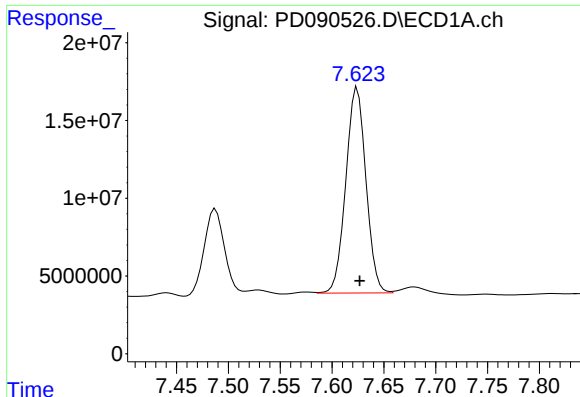
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 78521879
Conc: 33.32 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 554997509
Conc: 31.90 ng/ml



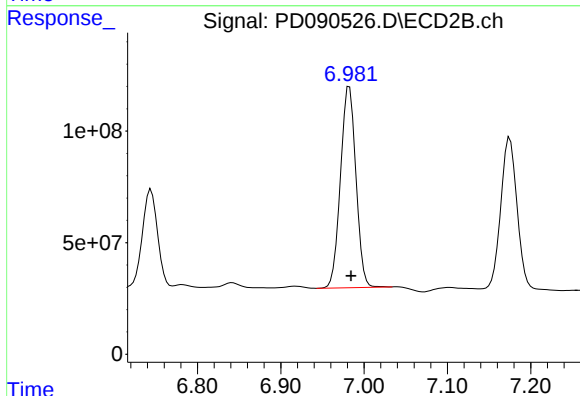
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 178788556
Conc: 36.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

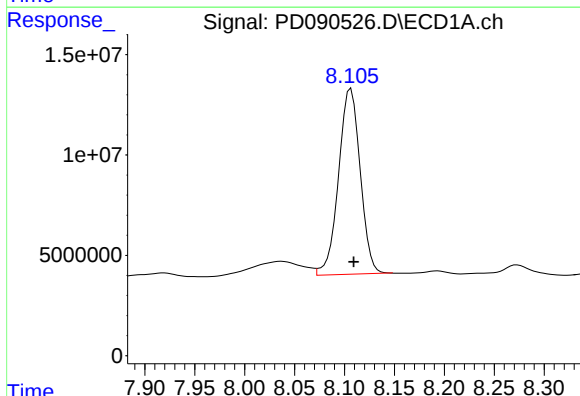
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



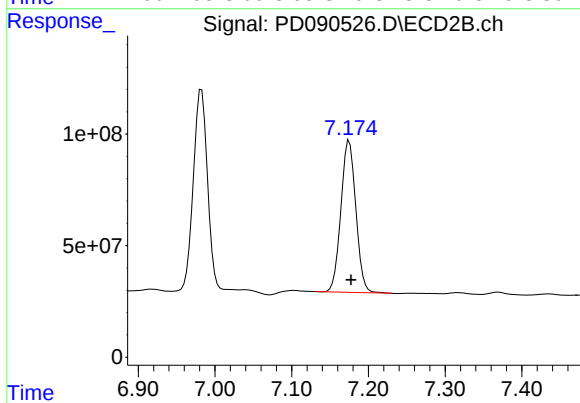
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1160743837
Conc: 32.15 ng/ml



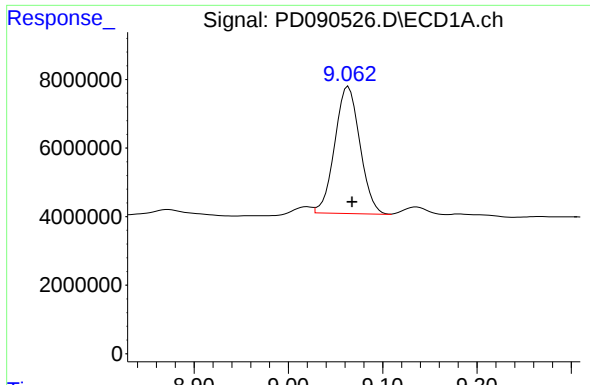
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.004 min
Response: 139456034
Conc: 37.64 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 922783682
Conc: 33.43 ng/ml



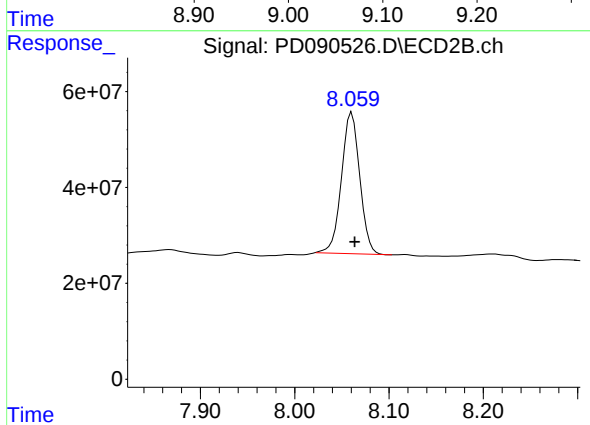
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.004 min
Response: 68794272
Conc: 14.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
72-11966MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 397707639
Conc: 12.27 ng/ml