

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
 Data File : PD089463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 15:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 11 22:53:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.881	148.0E6	939.8E6	51.862	55.436
28)	SA Decachlor...	9.071	8.070	178.9E6	861.4E6	45.558	43.570
Target Compounds							
2)	A alpha-BHC	3.999	3.392	304.2E6	1449.8E6	52.185	54.103
3)	MA gamma-BHC...	4.329	3.727	287.1E6	1328.9E6	51.438	53.678m
4)	MA Heptachlor	4.928	4.081	272.7E6	1294.7E6	50.013	51.709
5)	MB Aldrin	5.270	4.367	269.0E6	1292.5E6	50.640	53.370
6)	B beta-BHC	4.515	4.024	109.1E6	562.4E6	49.426	52.332
7)	B delta-BHC	4.764	4.261	276.0E6	1328.3E6	53.774	53.401
8)	B Heptachlo...	5.689	4.870	240.1E6	1148.0E6	49.768	52.426m
9)	A Endosulfan I	6.073	5.245	218.4E6	1061.1E6	48.452	50.910
10)	B gamma-Chl...	5.945	5.122	233.3E6	1221.2E6	48.718	51.049m
11)	B alpha-Chl...	6.026	5.188	233.8E6	1198.2E6	48.329	52.328
12)	B 4,4'-DDE	6.194	5.373	207.7E6	1185.1E6	47.617	51.714
13)	MA Dieldrin	6.346	5.509	232.6E6	1197.1E6	48.490	51.581m
14)	MA Endrin	6.573	5.788	194.0E6	1153.1E6	47.029	53.106
15)	B Endosulfa...	6.785	6.078	194.8E6	1002.1E6	48.270	49.618
16)	A 4,4'-DDD	6.704	5.928	168.4E6	964.0E6	49.080	50.394
17)	MA 4,4'-DDT	7.019	6.181	171.4E6	954.0E6	45.259	47.042
18)	B Endrin al...	6.914	6.256	142.4E6	729.4E6	46.481	47.637
19)	B Endosulfa...	7.148	6.480	178.3E6	955.3E6	46.453	48.687
20)	A Methoxychlor	7.492	6.752	83792400	472.8E6	41.469	43.909
21)	B Endrin ke...	7.629	6.989	184.2E6	995.0E6	45.216	46.060
22)	Mirex	8.112	7.183	130.5E6	733.3E6	42.926	43.969

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

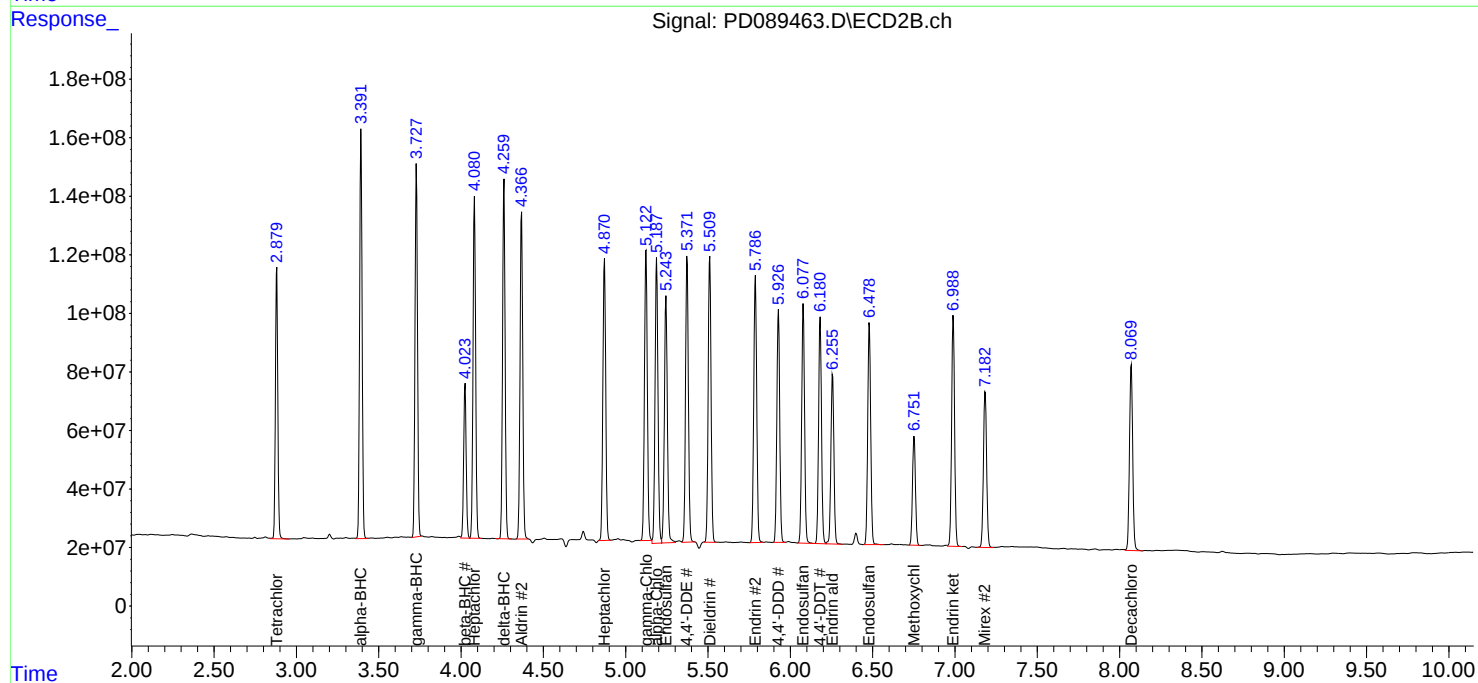
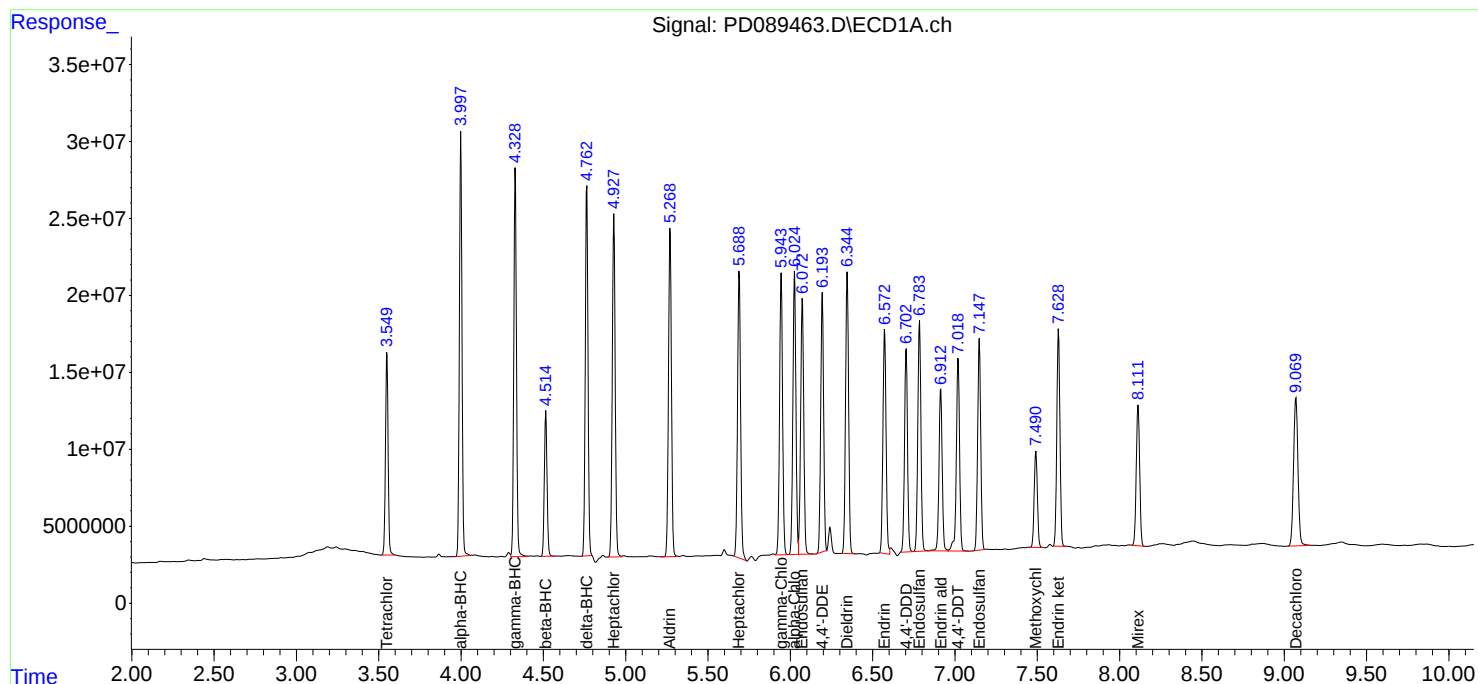
APPROVED

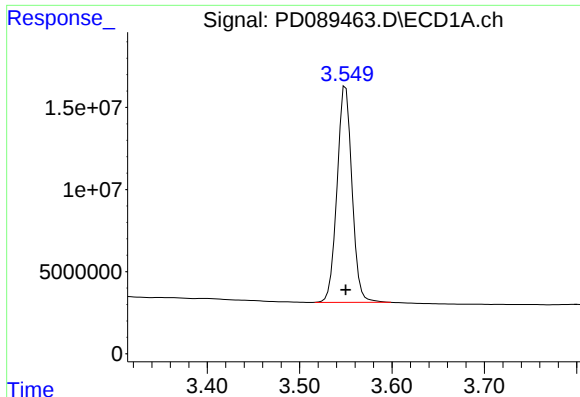
Reviewed By :Abdul Mirza 07/14/2025

Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





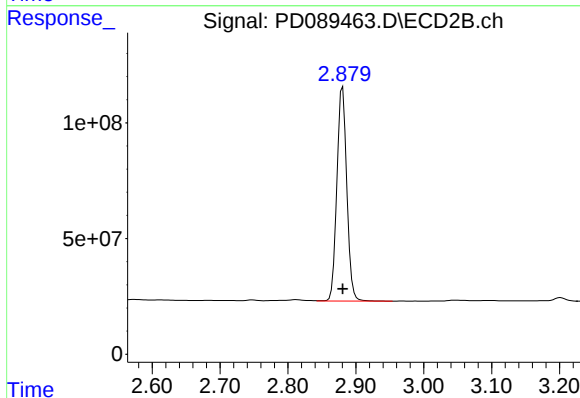
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 147968170
Conc: 51.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

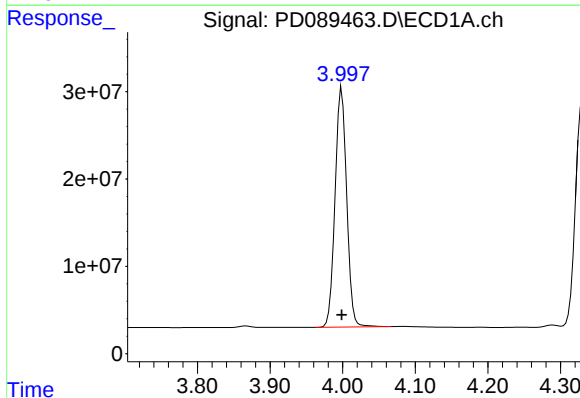
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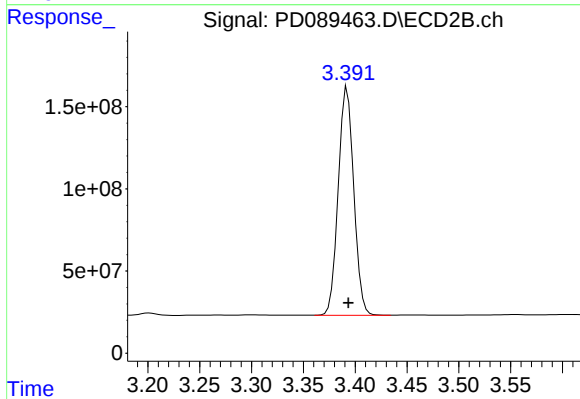
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 939816648
Conc: 55.44 ng/ml



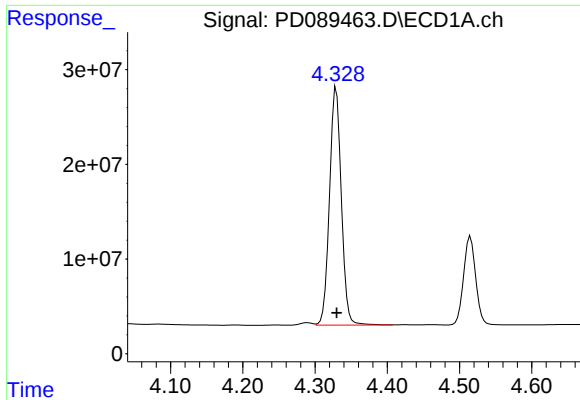
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 304192897
Conc: 52.19 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1449791528
Conc: 54.10 ng/ml



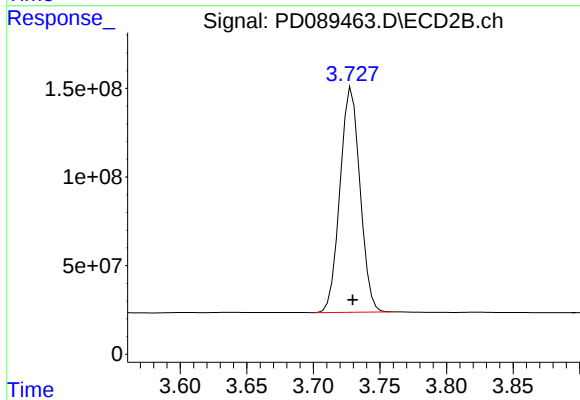
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 287113227
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

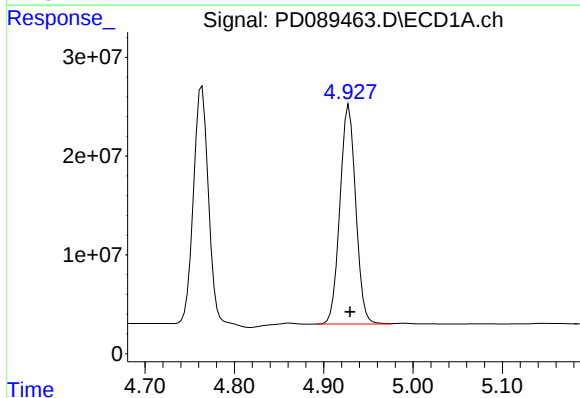
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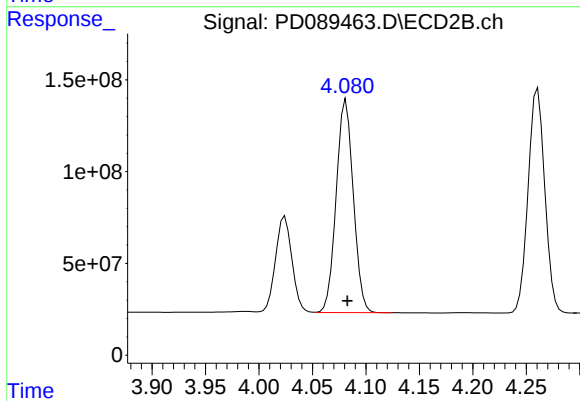
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1328913099
Conc: 53.68 ng/ml m



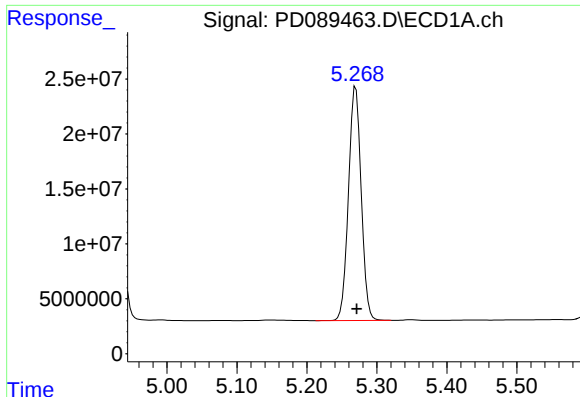
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 272666654
Conc: 50.01 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 1294702074
Conc: 51.71 ng/ml



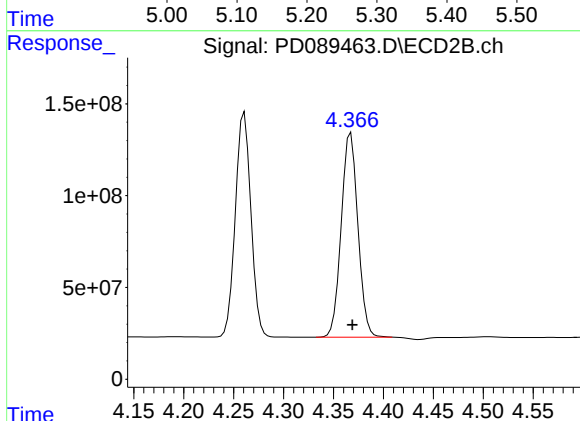
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 269048768
Conc: 50.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

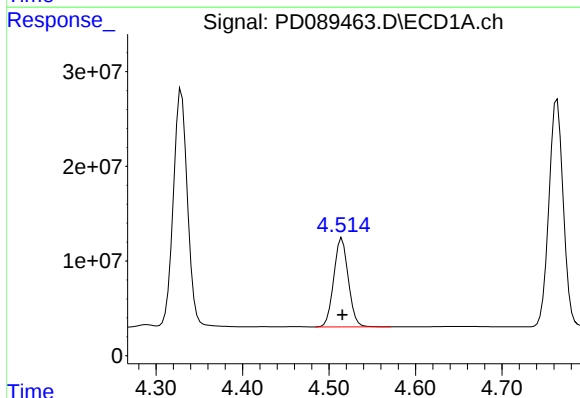
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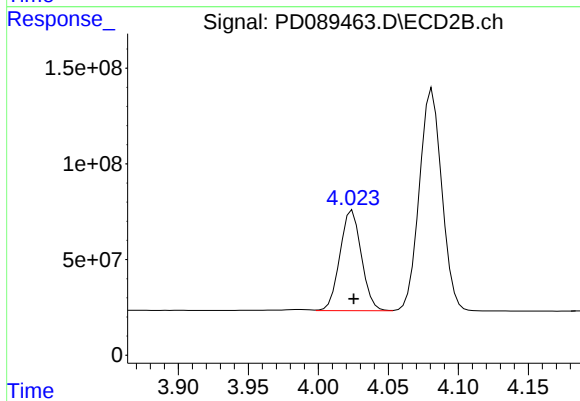
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1292477412
Conc: 53.37 ng/ml



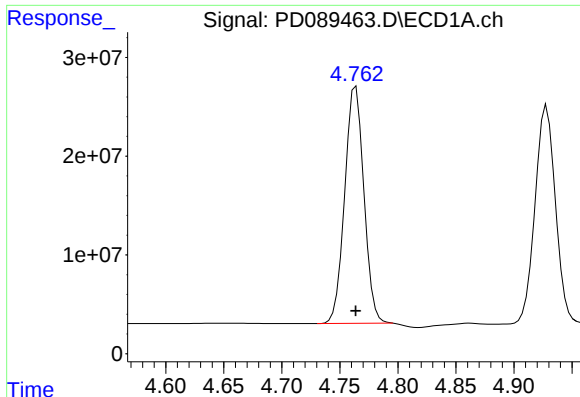
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 109090634
Conc: 49.43 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 562372417
Conc: 52.33 ng/ml



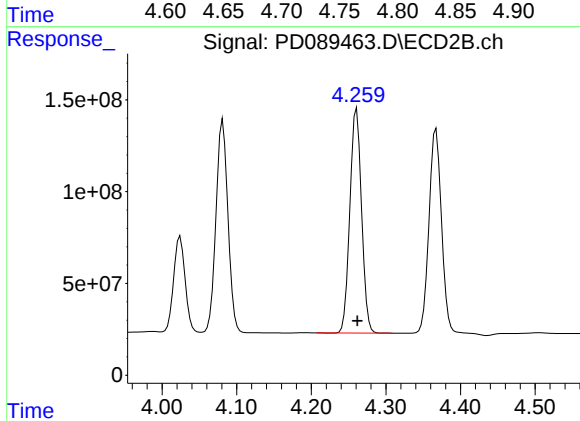
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 276016019
Conc: 53.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

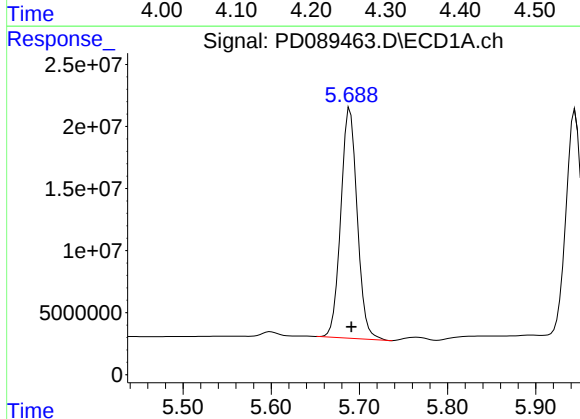
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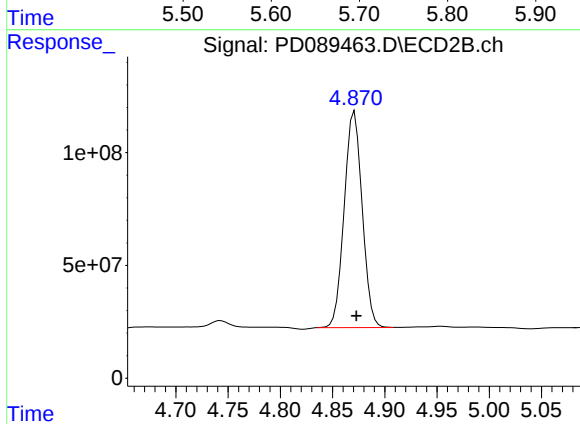
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1328265827
Conc: 53.40 ng/ml



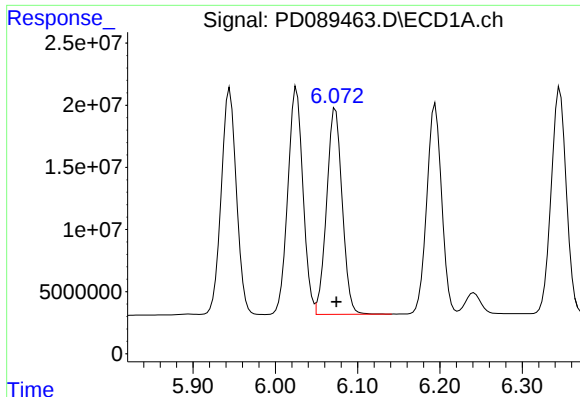
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.001 min
Response: 240075429
Conc: 49.77 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1148031189
Conc: 52.43 ng/ml m



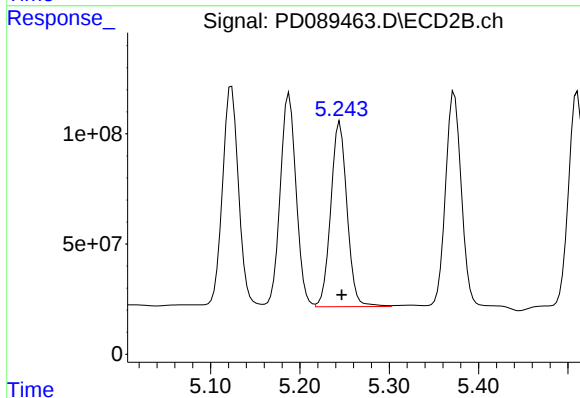
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 218396827
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

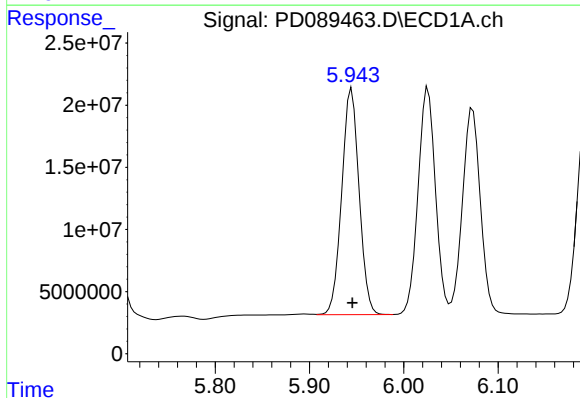
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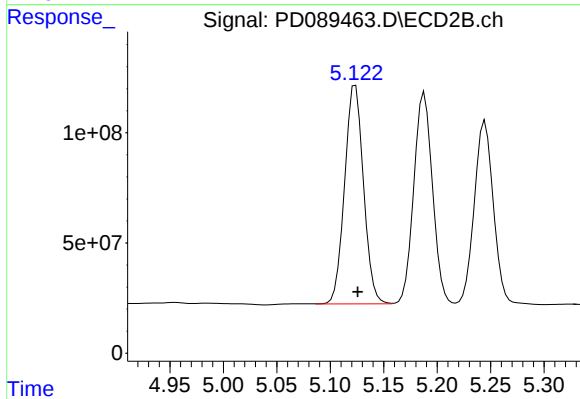
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1061089304
Conc: 50.91 ng/ml



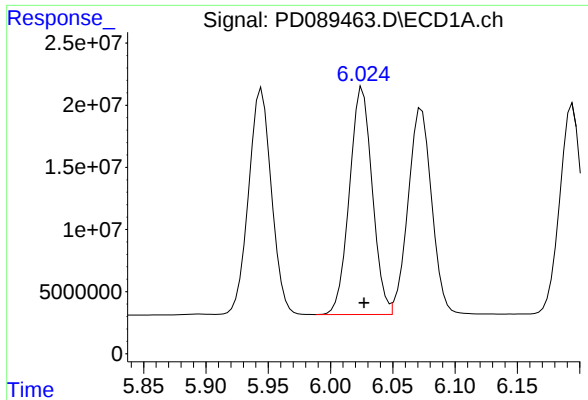
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 233267748
Conc: 48.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.004 min
Response: 1221235027
Conc: 51.05 ng/ml m



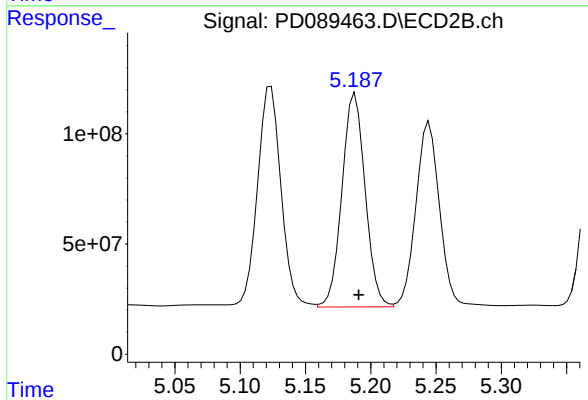
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 233840521
Conc: 48.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

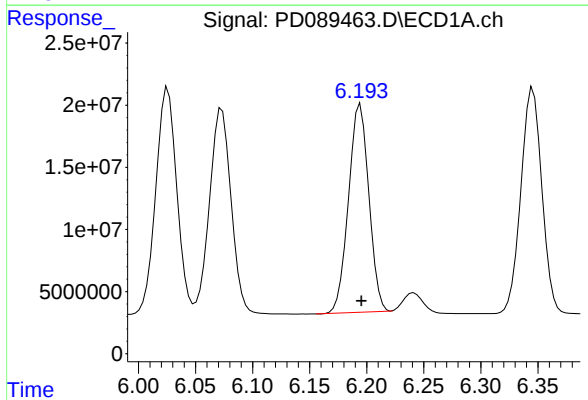
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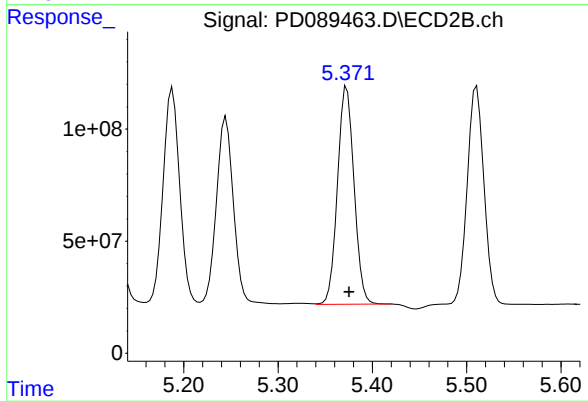
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1198154633
Conc: 52.33 ng/ml



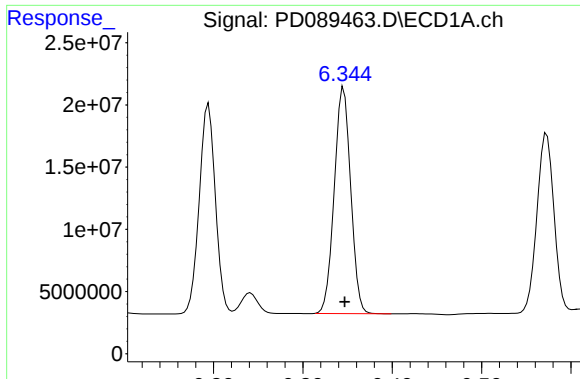
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 207660980
Conc: 47.62 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1185083266
Conc: 51.71 ng/ml



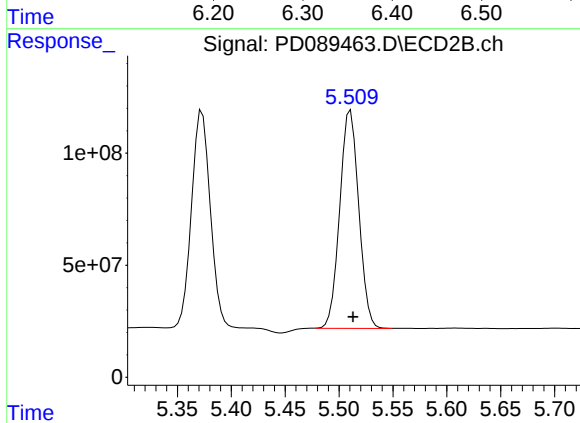
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 232627483
Conc: 48.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

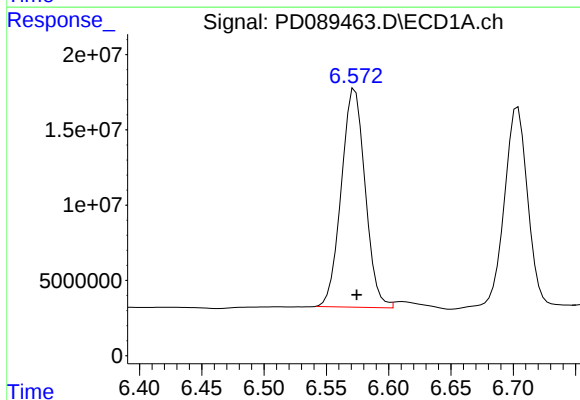
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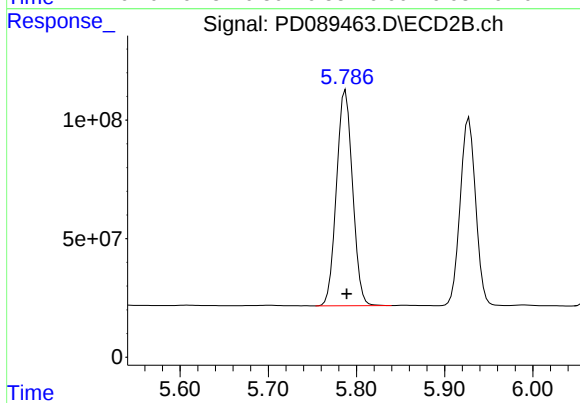
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.004 min
Response: 1197110621
Conc: 51.58 ng/ml m



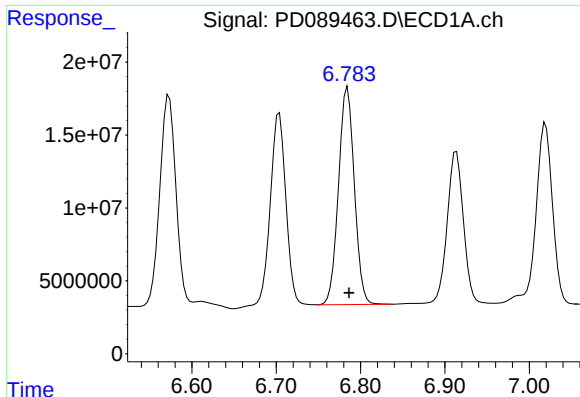
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 194020952
Conc: 47.03 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1153144335
Conc: 53.11 ng/ml



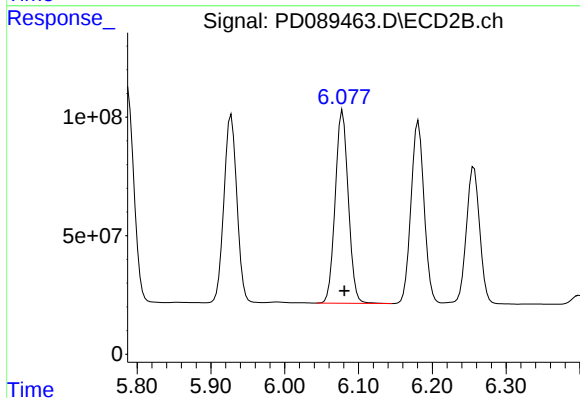
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 194846598
Conc: 48.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

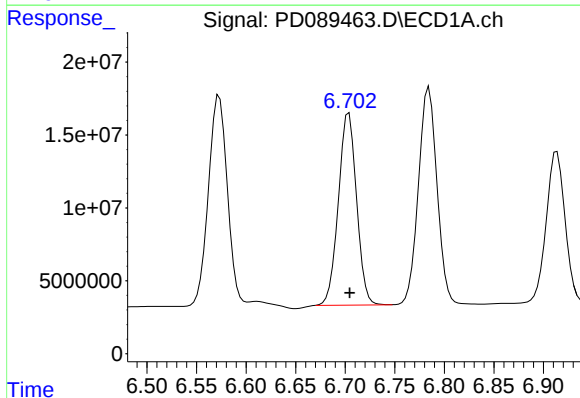
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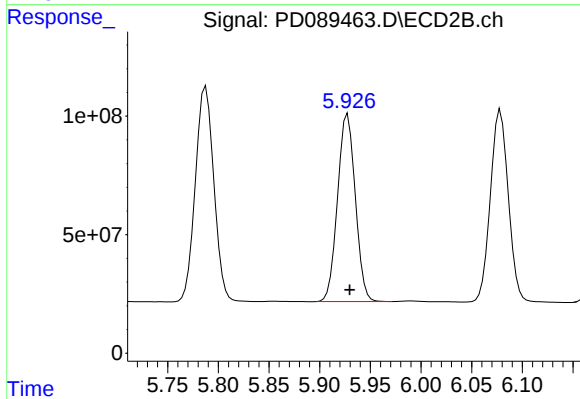
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 1002109512
Conc: 49.62 ng/ml



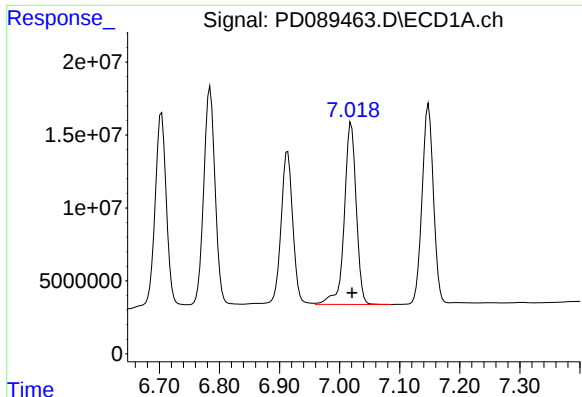
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 168446420
Conc: 49.08 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 964007925
Conc: 50.39 ng/ml



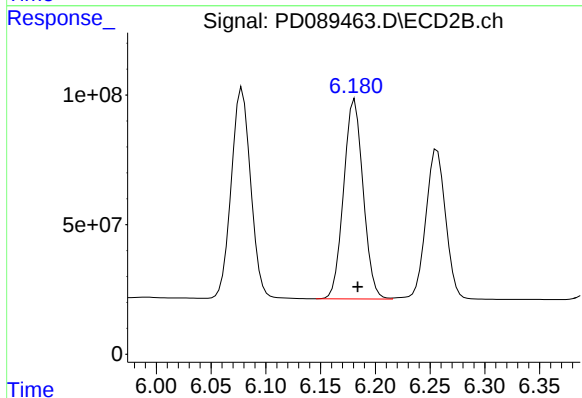
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 171449544
Conc: 45.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

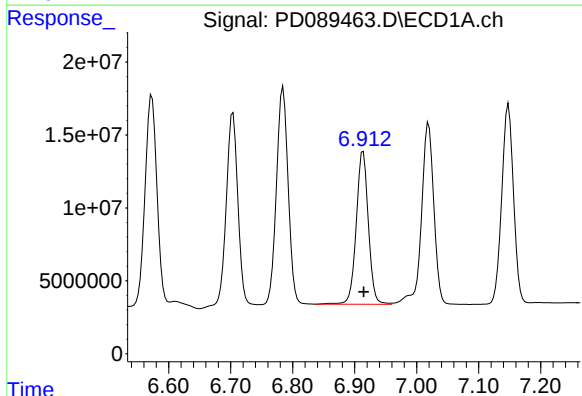
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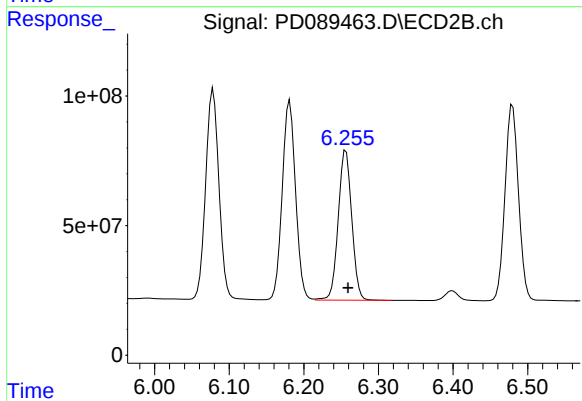
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 953971563
Conc: 47.04 ng/ml



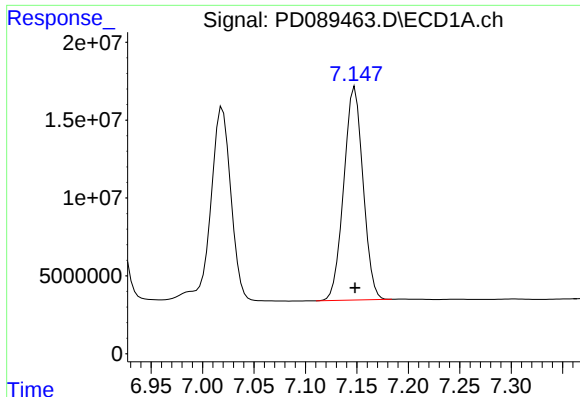
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 142415878
Conc: 46.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 729382715
Conc: 47.64 ng/ml



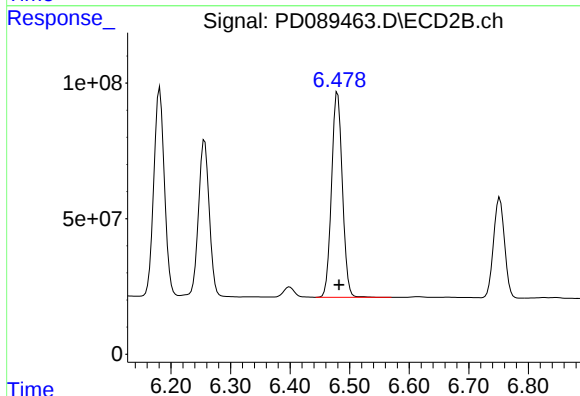
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 178250109
Conc: 46.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

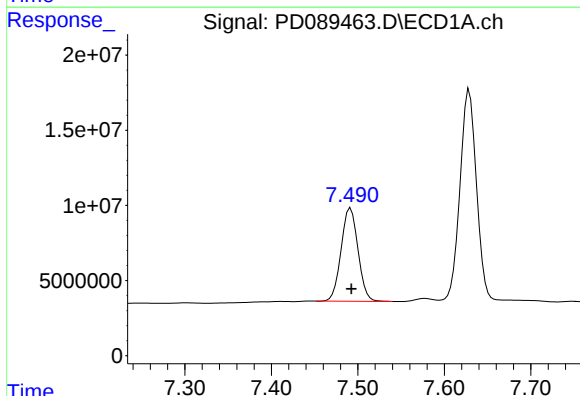
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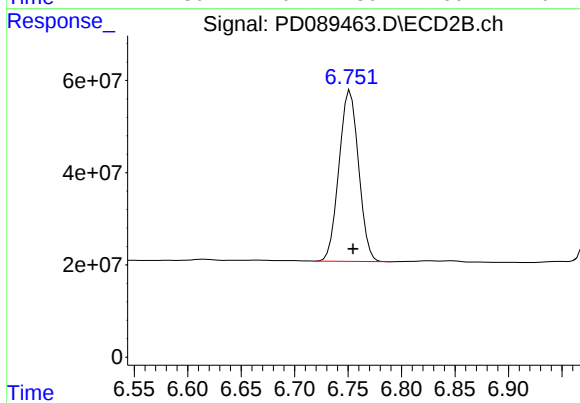
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 955294533
Conc: 48.69 ng/ml



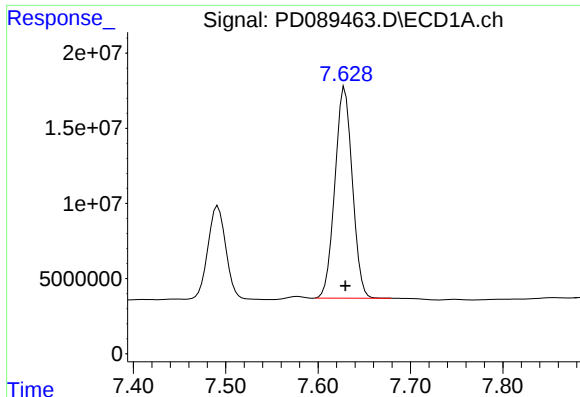
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 83792400
Conc: 41.47 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 472815496
Conc: 43.91 ng/ml



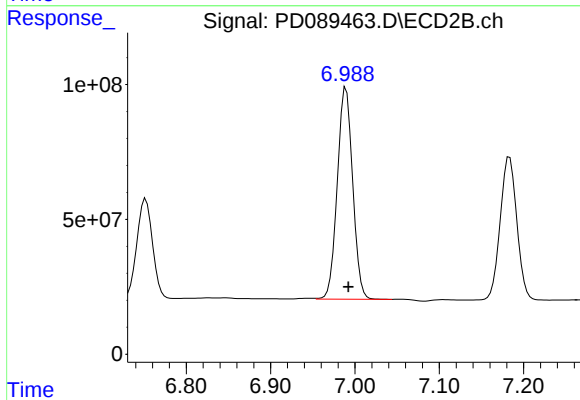
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 184166850
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

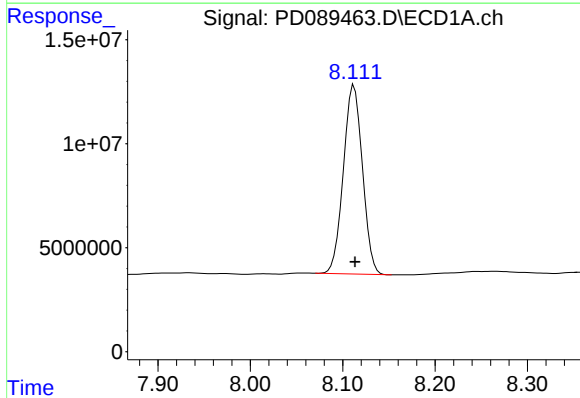
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



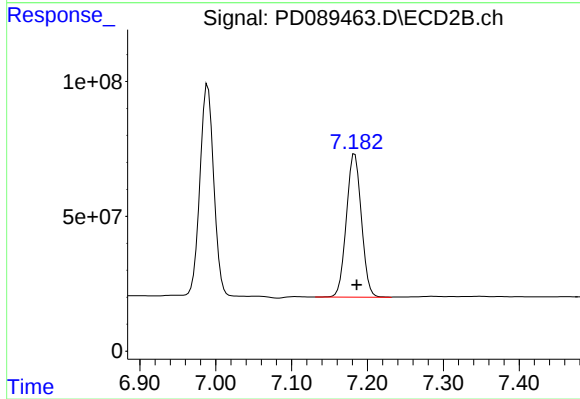
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 994985950
Conc: 46.06 ng/ml



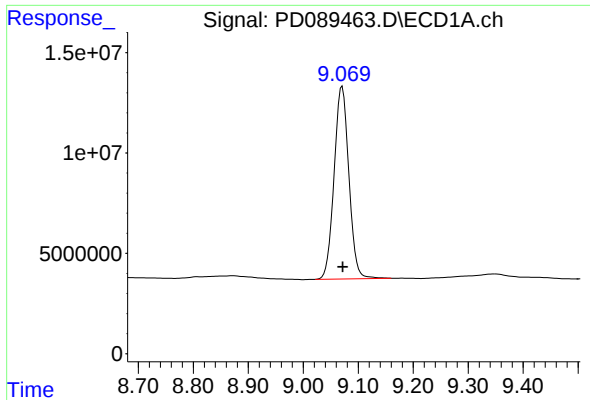
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 130502384
Conc: 42.93 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 733326756
Conc: 43.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 178936691
Conc: 45.56 ng/ml

Instrument :

ECD_D

ClientSampleId :

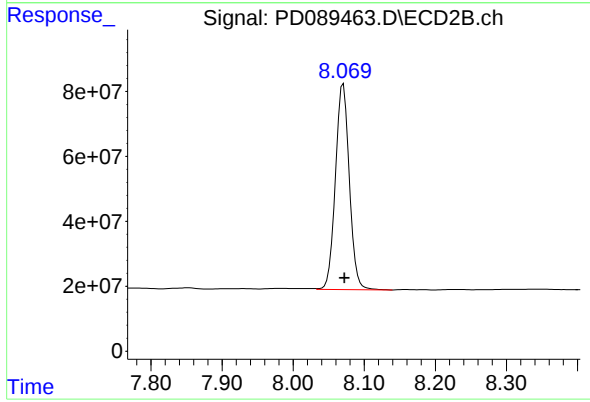
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 861370503
Conc: 43.57 ng/ml