

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090586.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 17:10
 Operator : AR\AJ
 Sample : PB170091BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170091BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/15/2025
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:39:58 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...	3.545	2.874	69801553	646.0E6	21.474	23.534
28)	SA Decachlor...	9.067	8.061	122.9E6	799.1E6	25.462	24.654
Target Compounds							
2)	A alpha-BHC	3.995	3.386	347.5E6	2282.0E6	49.754	52.122
3)	MA gamma-BHC...	4.325	3.722	328.3E6	2119.7E6	49.615	52.036
4)	MA Heptachlor	4.924	4.074	263.8E6	1896.0E6	39.895	46.565
5)	MB Aldrin	5.265	4.359	315.0E6	2093.5E6	49.599	52.424
6)	B beta-BHC	4.512	4.018	123.6E6	888.3E6	47.901	51.244
7)	B delta-BHC	4.760	4.254	328.2E6	2151.9E6	50.829m	52.110
8)	B Heptachlo...	5.685	4.864	280.9E6	1919.1E6	49.144	52.056
9)	A Endosulfan I	6.068	5.237	260.7E6	1723.5E6	48.266m	49.805
10)	B gamma-Chl...	5.941	5.116	278.6E6	2053.4E6	48.770	52.269
11)	B alpha-Chl...	6.020	5.181	297.5E6	1950.0E6	51.648m	51.772
12)	B 4,4'-DDE	6.191	5.365	254.2E6	1998.6E6	48.806	52.210
13)	MA Dieldrin	6.342	5.503	281.2E6	2006.4E6	48.778	51.517
14)	MA Endrin	6.569	5.780	239.6E6	2003.3E6	48.959	55.908
15)	B Endosulfa...	6.782	6.071	244.7E6	1708.1E6	50.168	50.608
16)	A 4,4'-DDD	6.701	5.920	205.5E6	1660.0E6	50.148	51.190
17)	MA 4,4'-DDT	7.016	6.174	186.6E6	1493.8E6	41.920	43.450
18)	B Endrin al...	6.911	6.249	176.7E6	1256.3E6	51.521	53.354
19)	B Endosulfa...	7.145	6.473	216.3E6	1614.6E6	47.013	49.391
20)	A Methoxychlor	7.489	6.744	89832720	715.0E6	38.121	41.090
21)	B Endrin ke...	7.626	6.982	229.6E6	1718.9E6	46.403	47.612
22)	Mirex	8.108	7.175	160.2E6	1267.9E6	43.250m	45.929

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:10
Operator : AR\AJ
Sample : PB170091BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170091BS

Manual Integrations

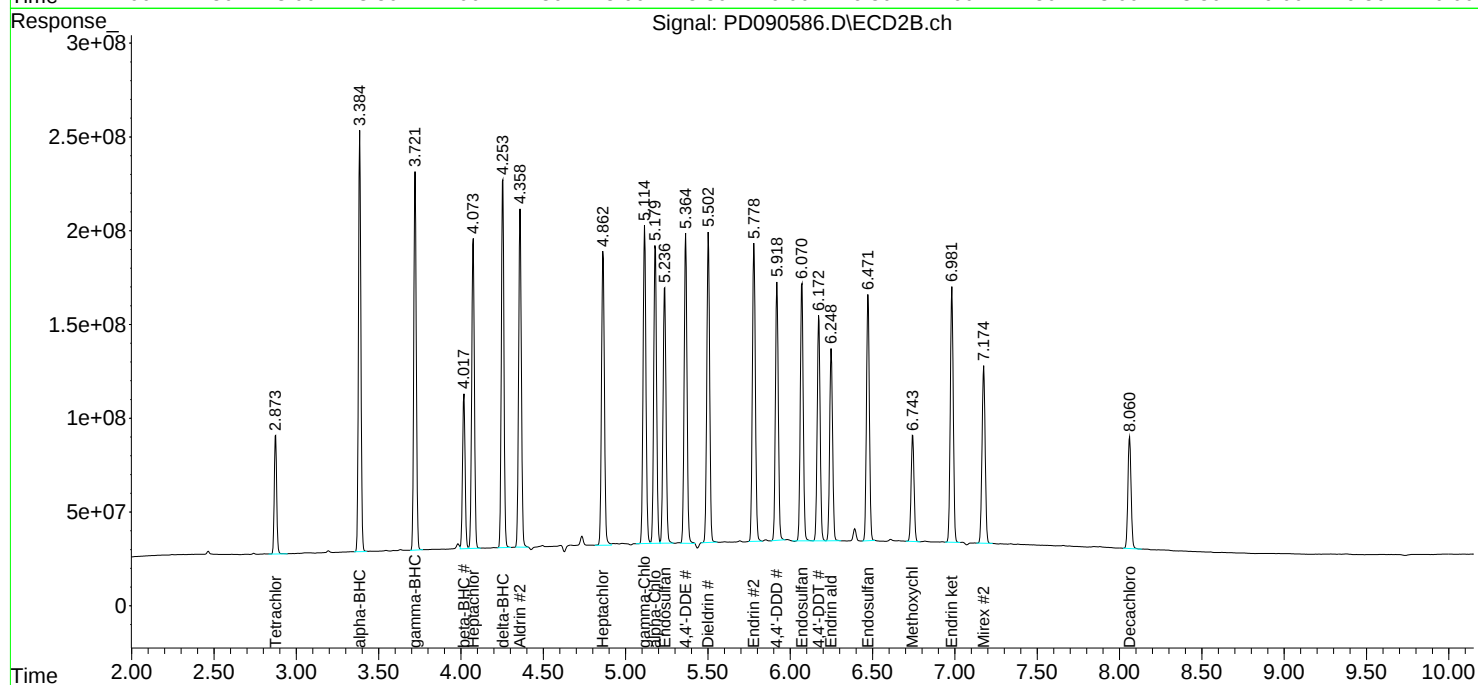
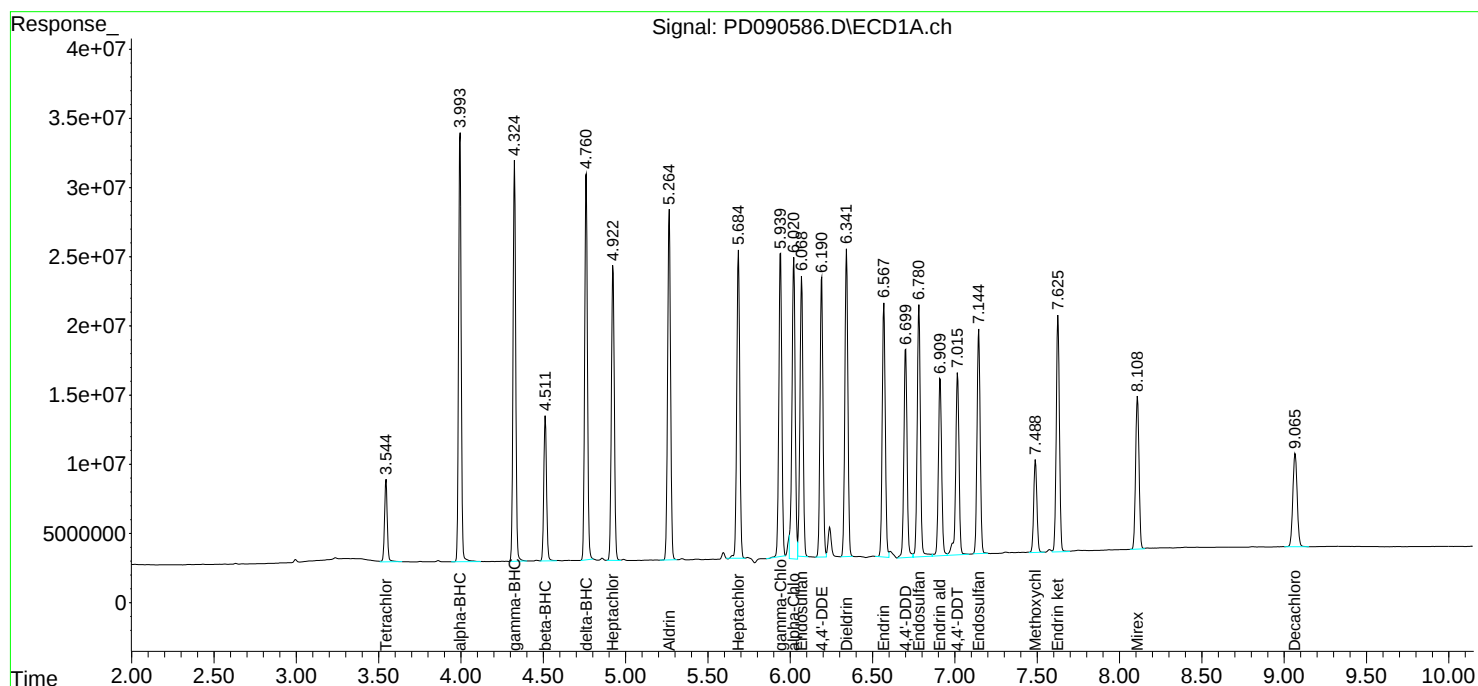
APPROVED

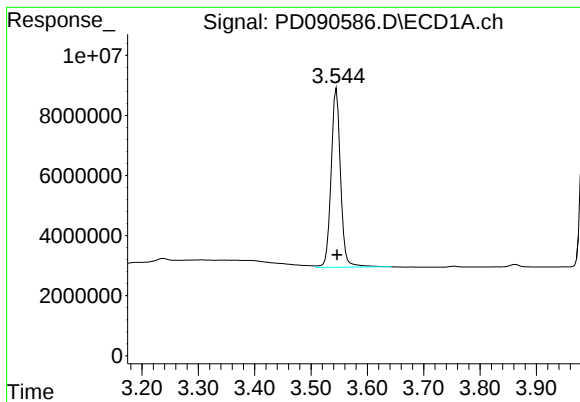
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:58 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





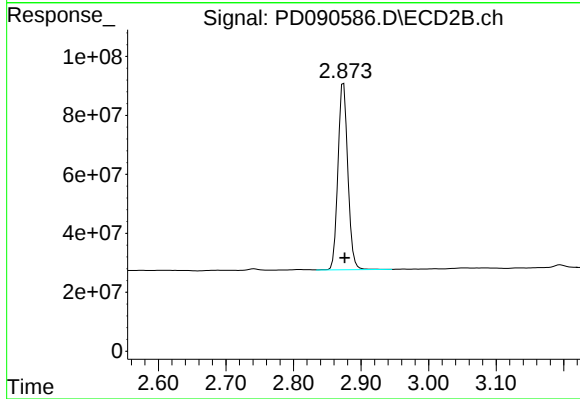
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 69801553
Conc: 21.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

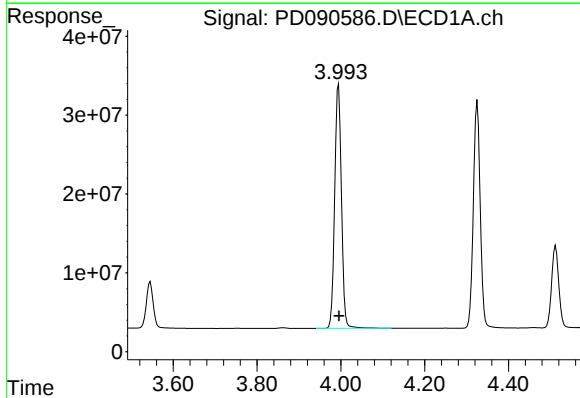
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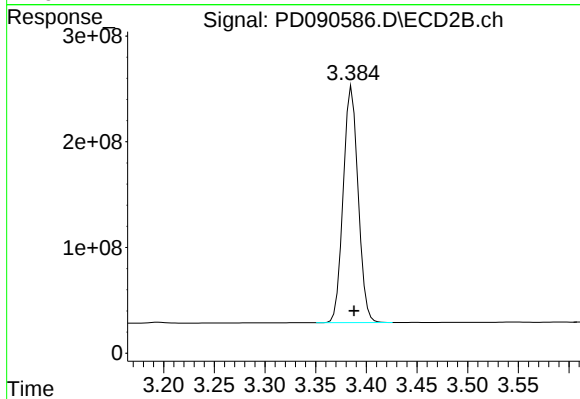
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 64599552
Conc: 23.53 ng/ml



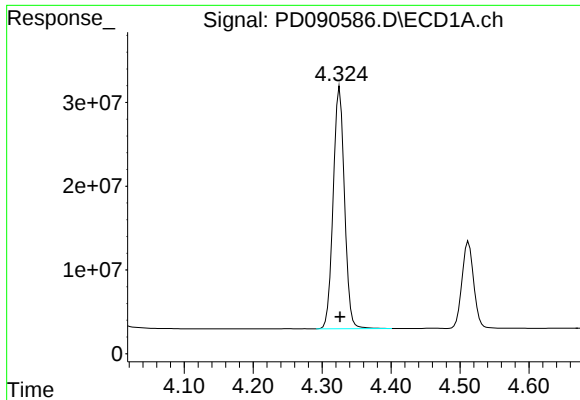
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 347507956
Conc: 49.75 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2282044394
Conc: 52.12 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 328297287
Conc: 49.62 ng/ml

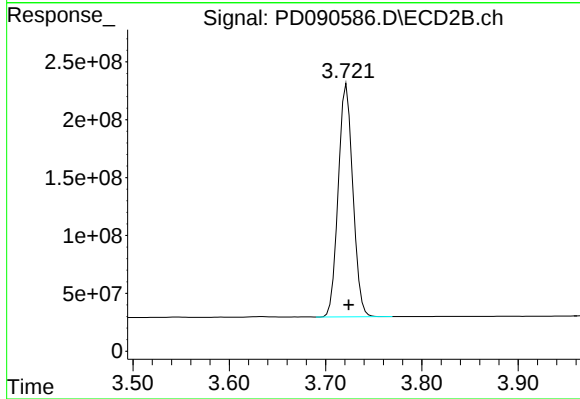
Instrument :

ECD_D

ClientSampleId :
PB170091BS

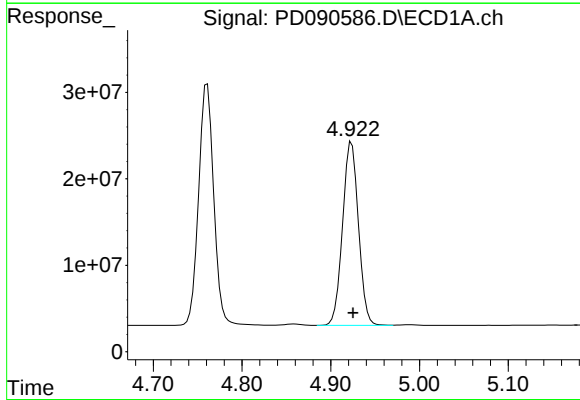
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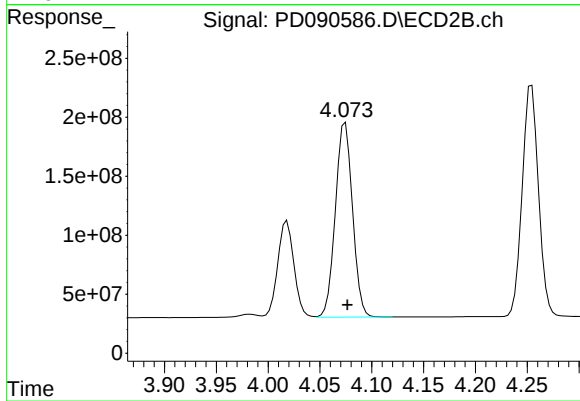
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 2119700447
Conc: 52.04 ng/ml



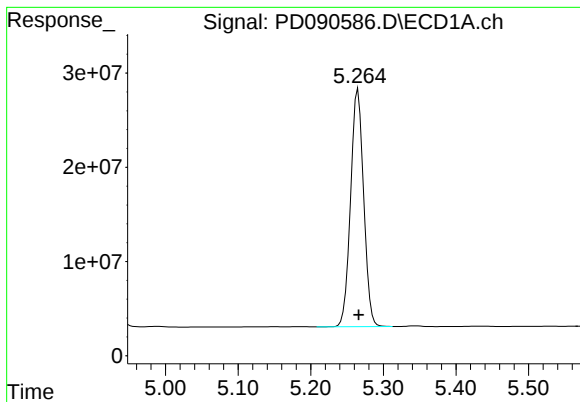
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 263810396
Conc: 39.90 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 1895988581
Conc: 46.57 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 314950451
Conc: 49.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

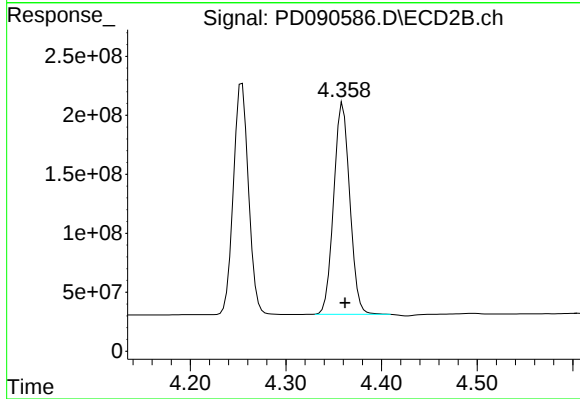
PB170091BS

Manual Integrations

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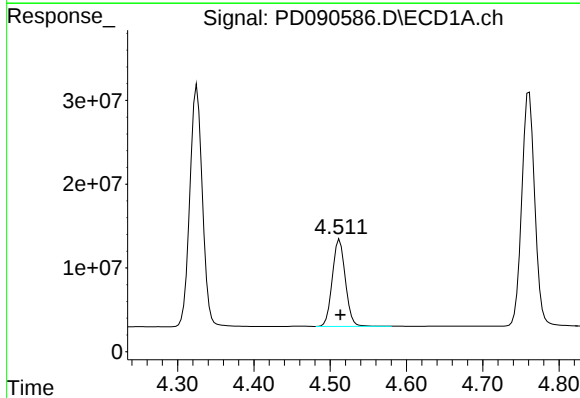
Reviewed By :Abdul Mirza 10/15/2025

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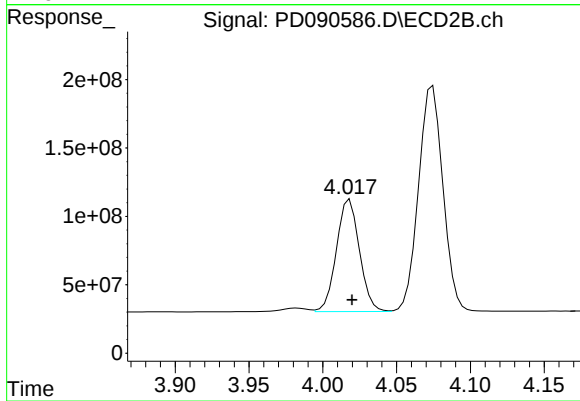
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.003 min
Response: 2093533765
Conc: 52.42 ng/ml



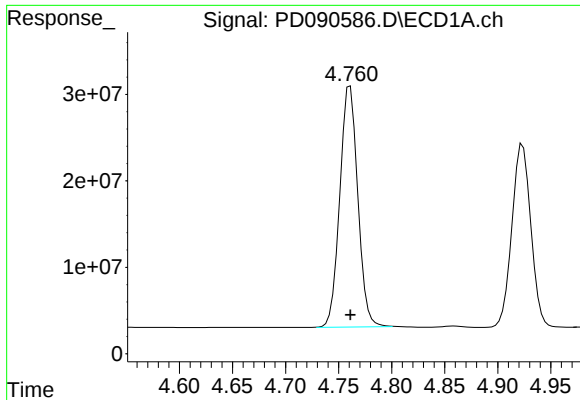
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 123580229
Conc: 47.90 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 888325568
Conc: 51.24 ng/ml



#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.002 min
Response: 328225465
Conc: 50.83 ng/ml

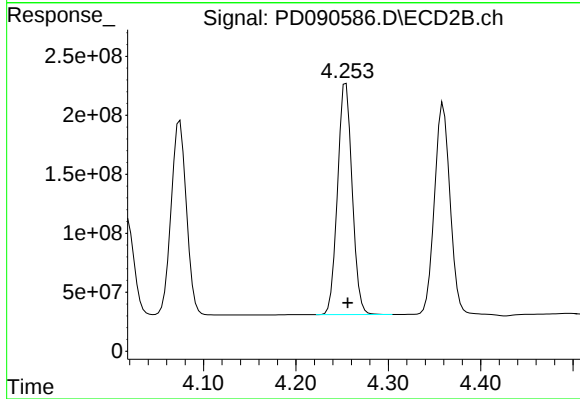
Instrument :

ECD_D

ClientSampleId :
PB170091BS

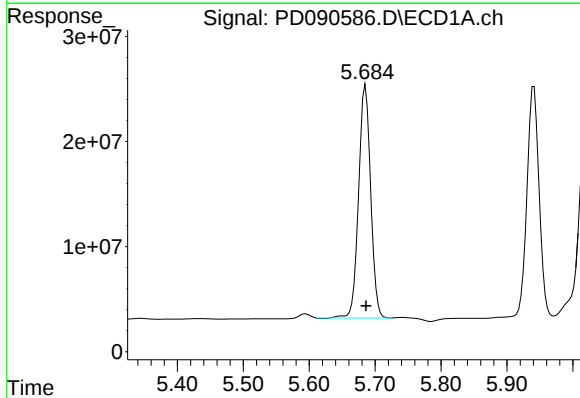
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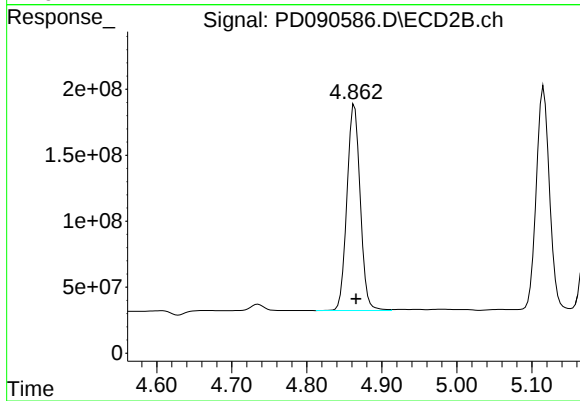
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 2151859073
Conc: 52.11 ng/ml



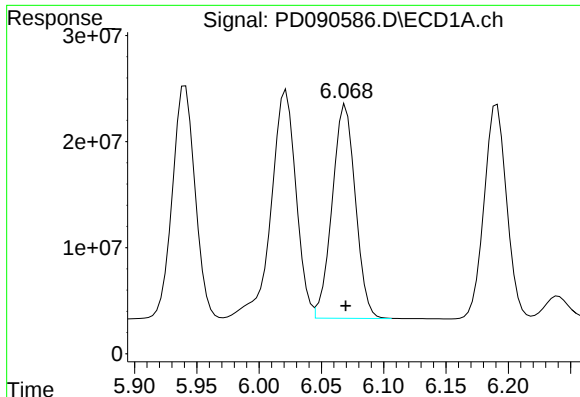
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 280854153
Conc: 49.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1919065344
Conc: 52.06 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 260705858
Conc: 48.27 ng/ml

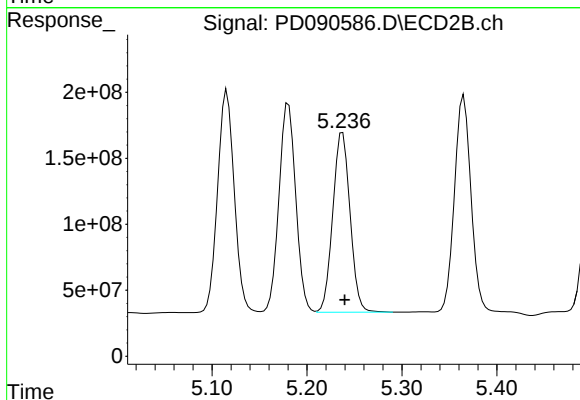
Instrument :

ECD_D

ClientSampleId :
PB170091BS

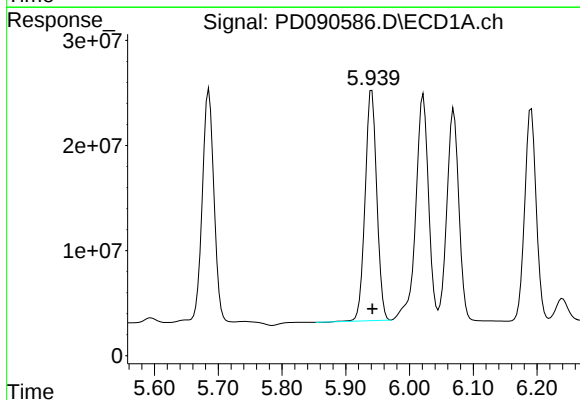
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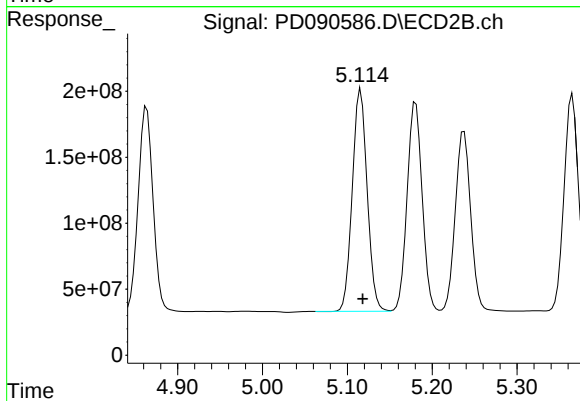
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 1723503709
Conc: 49.80 ng/ml



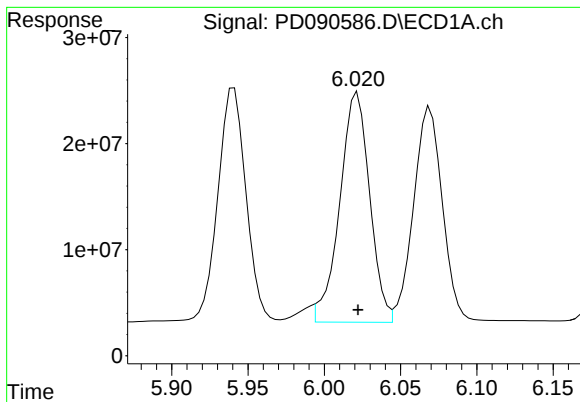
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 278574188
Conc: 48.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 2053436116
Conc: 52.27 ng/ml



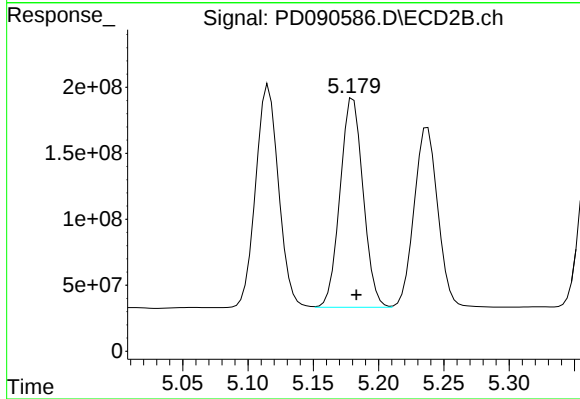
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.002 min
Response: 297533549
Conc: 51.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

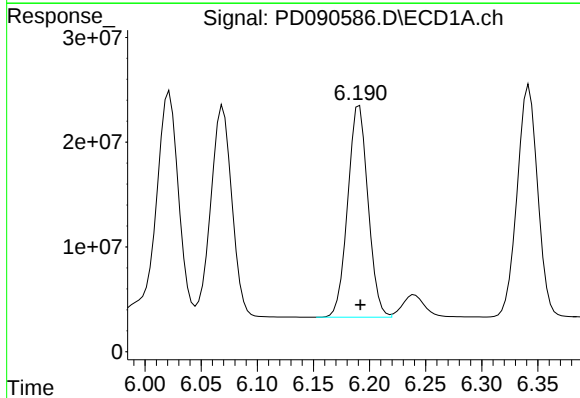
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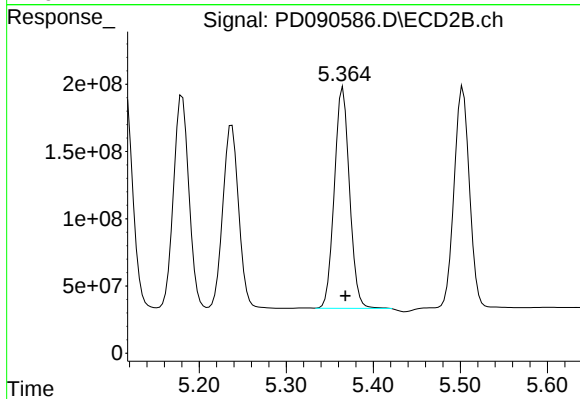
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1950019364
Conc: 51.77 ng/ml



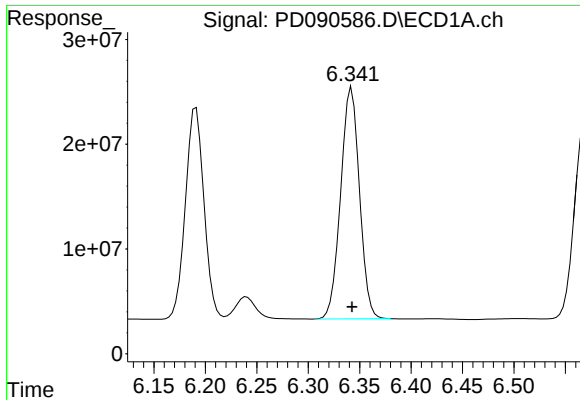
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 254156640
Conc: 48.81 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1998564655
Conc: 52.21 ng/ml



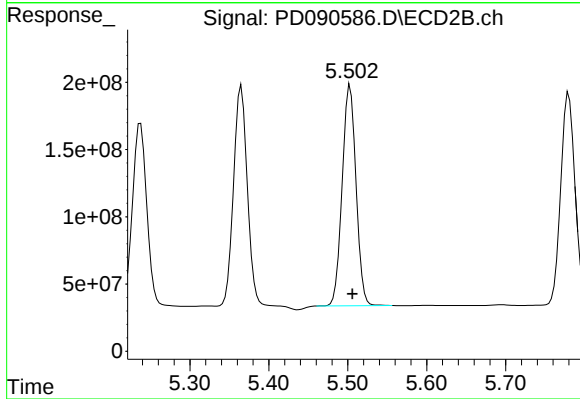
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 281190014
Conc: 48.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

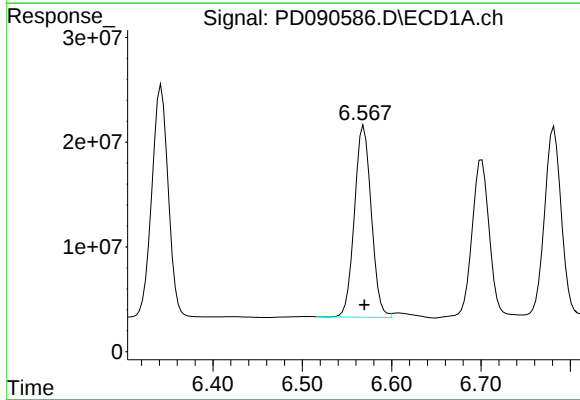
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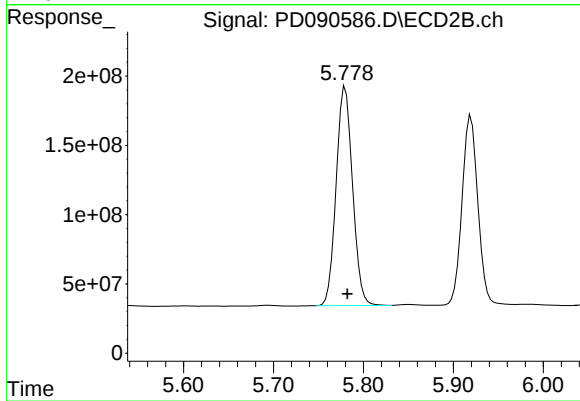
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 2006362772
Conc: 51.52 ng/ml



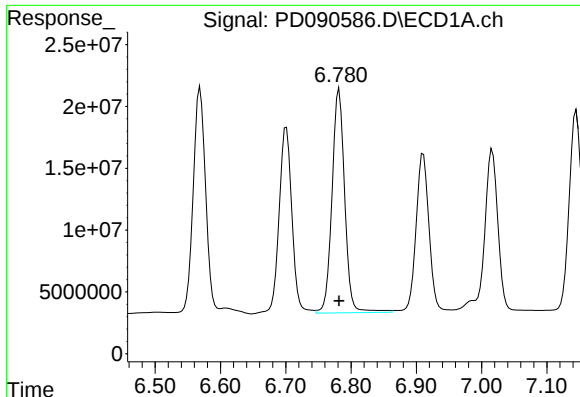
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 239601884
Conc: 48.96 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 2003293942
Conc: 55.91 ng/ml



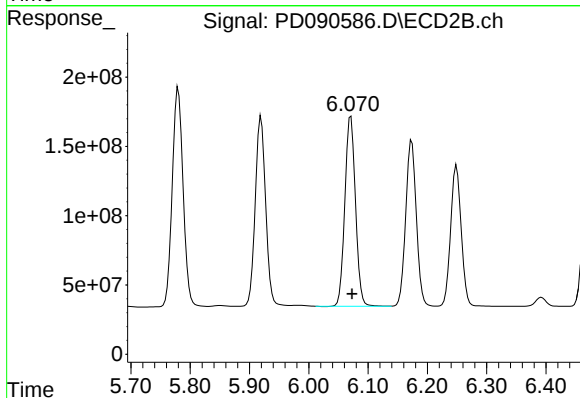
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 244709960
Conc: 50.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

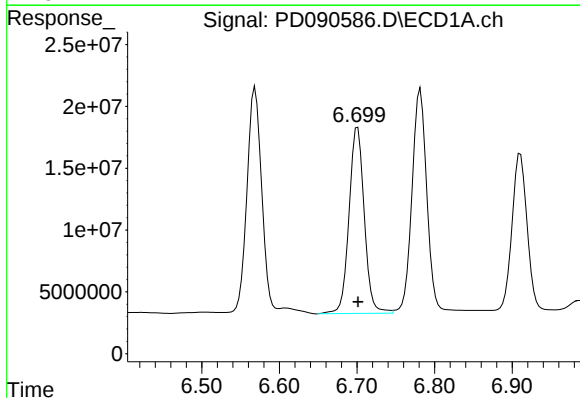
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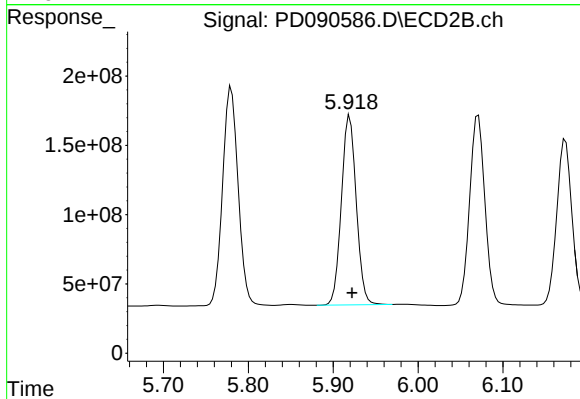
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1708058826
Conc: 50.61 ng/ml



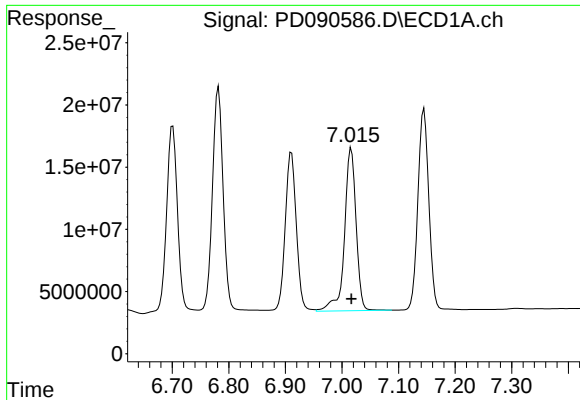
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 205498708
Conc: 50.15 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.003 min
Response: 1659971693
Conc: 51.19 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 186646216
Conc: 41.92 ng/ml

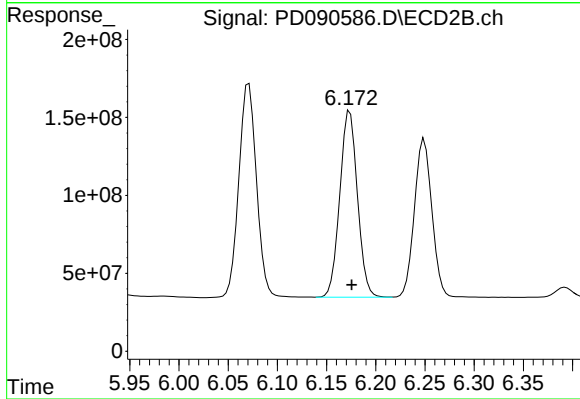
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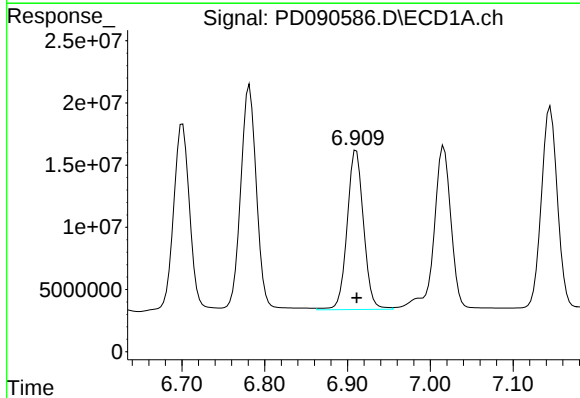
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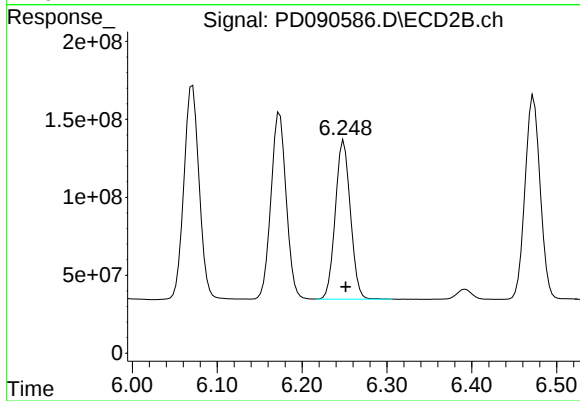
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1493781658
Conc: 43.45 ng/ml



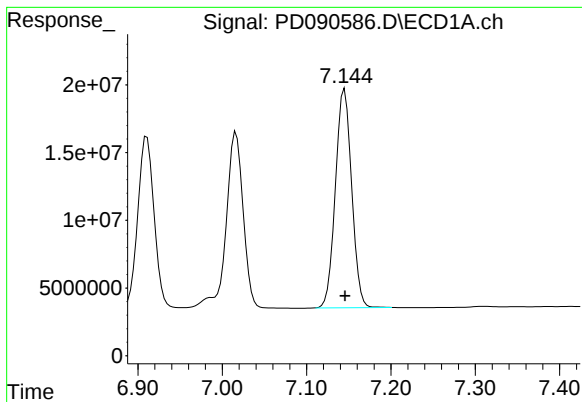
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 176746224
Conc: 51.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1256313921
Conc: 53.35 ng/ml



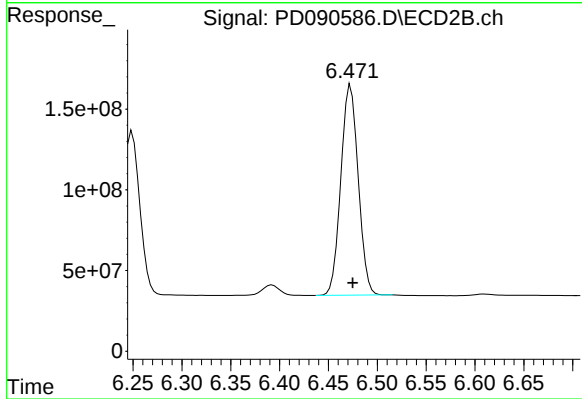
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 216275950
Conc: 47.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
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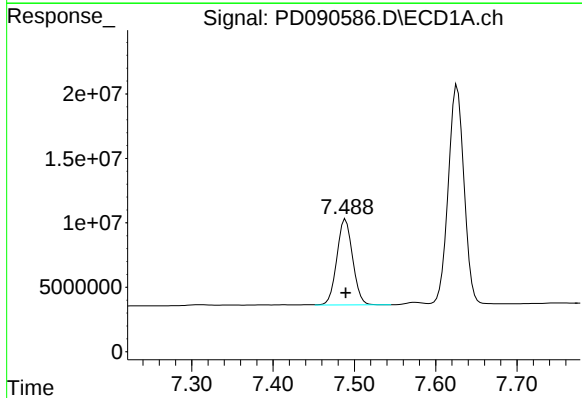
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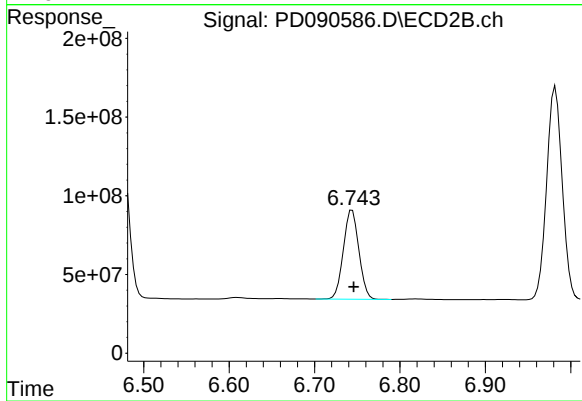
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1614614487
Conc: 49.39 ng/ml



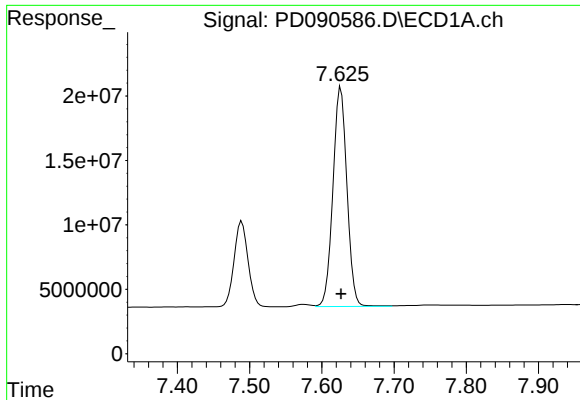
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 89832720
Conc: 38.12 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 714978781
Conc: 41.09 ng/ml



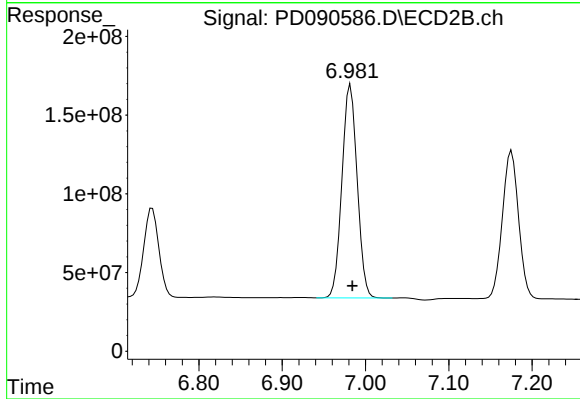
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 229575238
Conc: 46.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

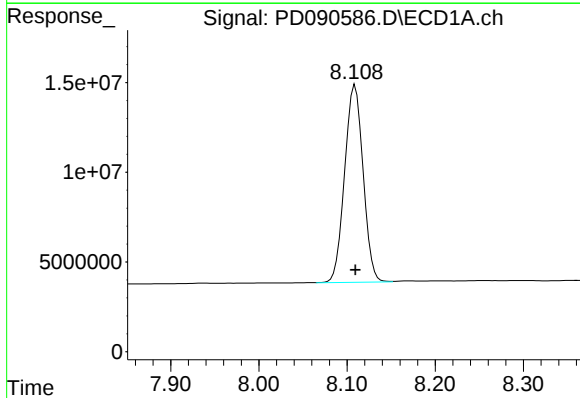
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



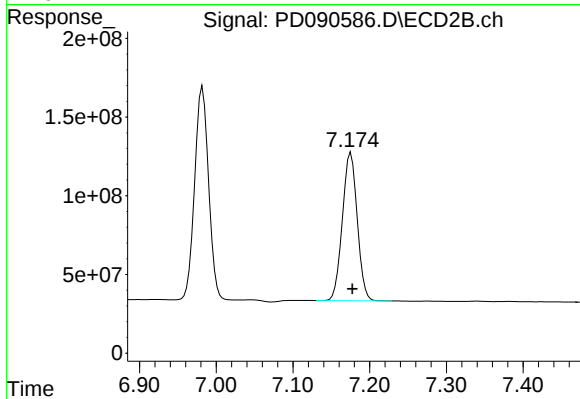
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1718933412
Conc: 47.61 ng/ml



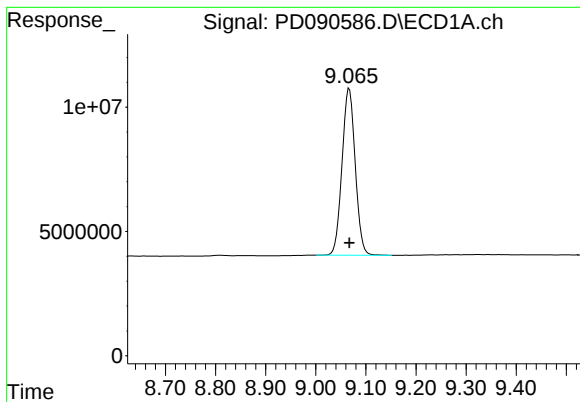
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 160233063
Conc: 43.25 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1267933182
Conc: 45.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 122857105
Conc: 25.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

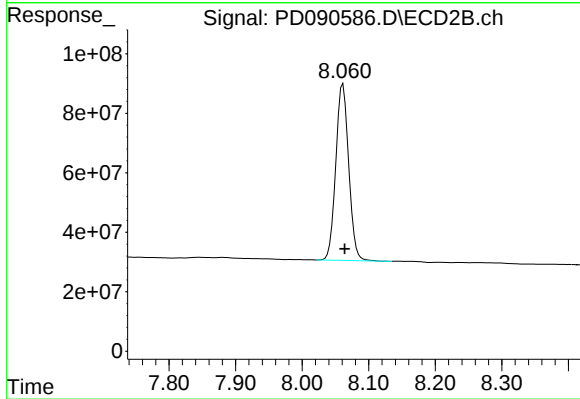
PB170091BS

Manual Integrations

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Reviewed By :Abdul Mirza 10/15/2025

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.002 min
Response: 799143954
Conc: 24.65 ng/ml