

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121125\
 Data File : PD091564.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Dec 2025 17:12
 Operator : AR\AJ
 Sample : Q3832-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 S-3MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/12/2025
 Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 12 03:08:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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...	3.539	2.871	56032963	760.9E6	16.132m	19.309
28)	SA Decachlor...	9.063	8.057	57460544	532.7E6	11.054	12.863
Target Compounds							
2)	A alpha-BHC	3.990	3.382	396.8E6	3754.7E6	49.291	55.075
3)	MA gamma-BHC...	4.321	3.718	373.6E6	3458.7E6	49.713	61.511
4)	MA Heptachlor	4.918	4.070	363.8E6	3387.7E6	51.248	58.124
5)	MB Aldrin	5.260	4.355	362.8E6	3415.4E6	52.136	58.900
6)	B beta-BHC	4.508	4.015	141.3E6	1442.0E6	48.940	60.187
7)	B delta-BHC	4.757	4.251	379.1E6	3521.6E6	63.366	58.804
8)	B Heptachlo...	5.680	4.859	321.3E6	3021.9E6	51.892	59.724
9)	A Endosulfan I	6.064	5.233	304.3E6	2859.5E6	49.801	58.370
10)	B gamma-Chl...	5.936	5.112	318.7E6	3456.2E6	49.981	61.916
11)	B alpha-Chl...	6.016	5.177	323.3E6	3172.0E6	48.141	59.233
12)	B 4,4'-DDE	6.187	5.361	289.4E6	3197.8E6	49.824	58.346
13)	MA Dieldrin	6.338	5.499	319.7E6	3244.4E6	49.129	58.495
14)	MA Endrin	6.565	5.776	272.8E6	2890.8E6	48.639	55.297
15)	B Endosulfa...	6.778	6.068	263.1E6	2748.9E6	43.271	58.346 #
16)	A 4,4'-DDD	6.697	5.916	231.0E6	2575.6E6	50.188	56.622
17)	MA 4,4'-DDT	7.013	6.170	234.9E6	2780.5E6	45.546	58.661 #
18)	B Endrin al...	6.907	6.246	203.7E6	2084.0E6	48.751	58.390
19)	B Endosulfa...	7.142	6.470	250.1E6	2683.9E6	47.368	58.227
20)	A Methoxychlor	7.486	6.740	124.3E6	1370.5E6	46.253	58.076 #
21)	B Endrin ke...	7.623	6.979	276.1E6	2953.1E6	49.006	60.710
22)	Mirex	8.105	7.171	156.3E6	1815.8E6	42.078	55.401 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121125\
Data File : PD091564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2025 17:12
Operator : AR\AJ
Sample : Q3832-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

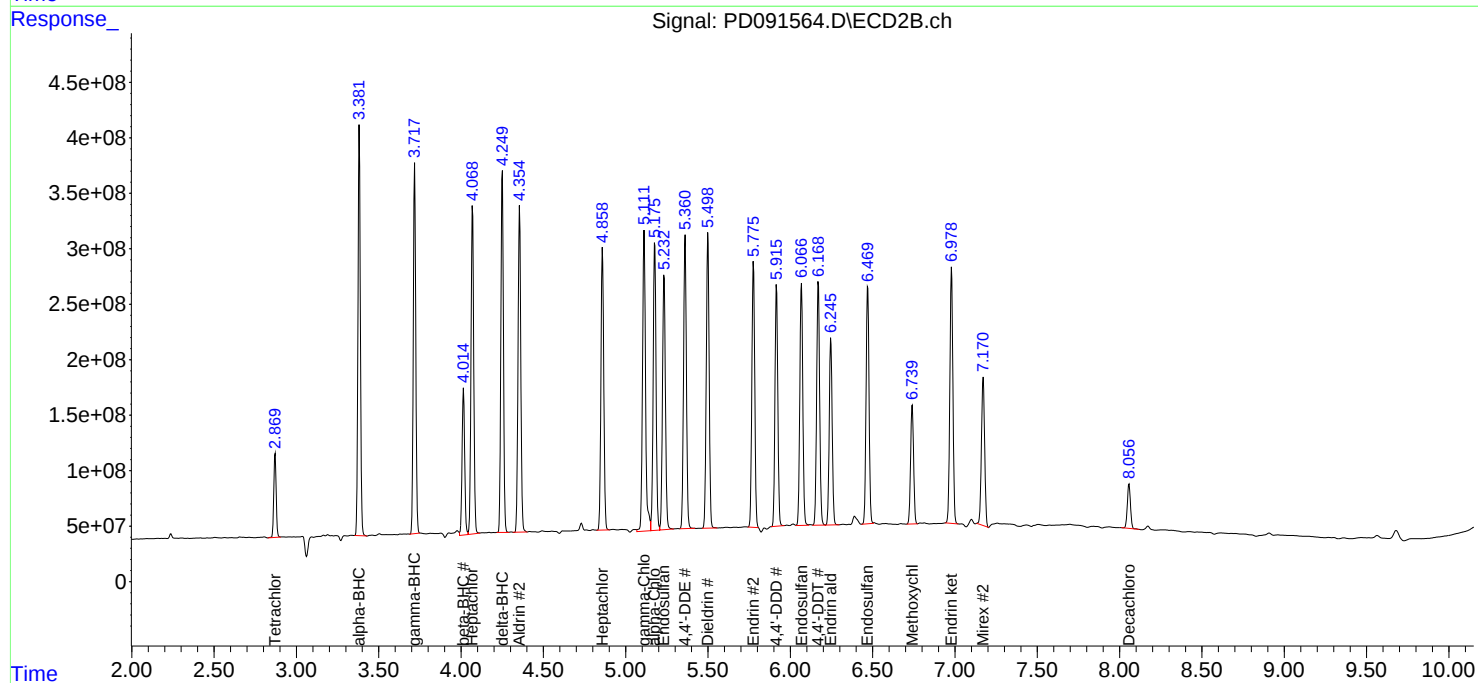
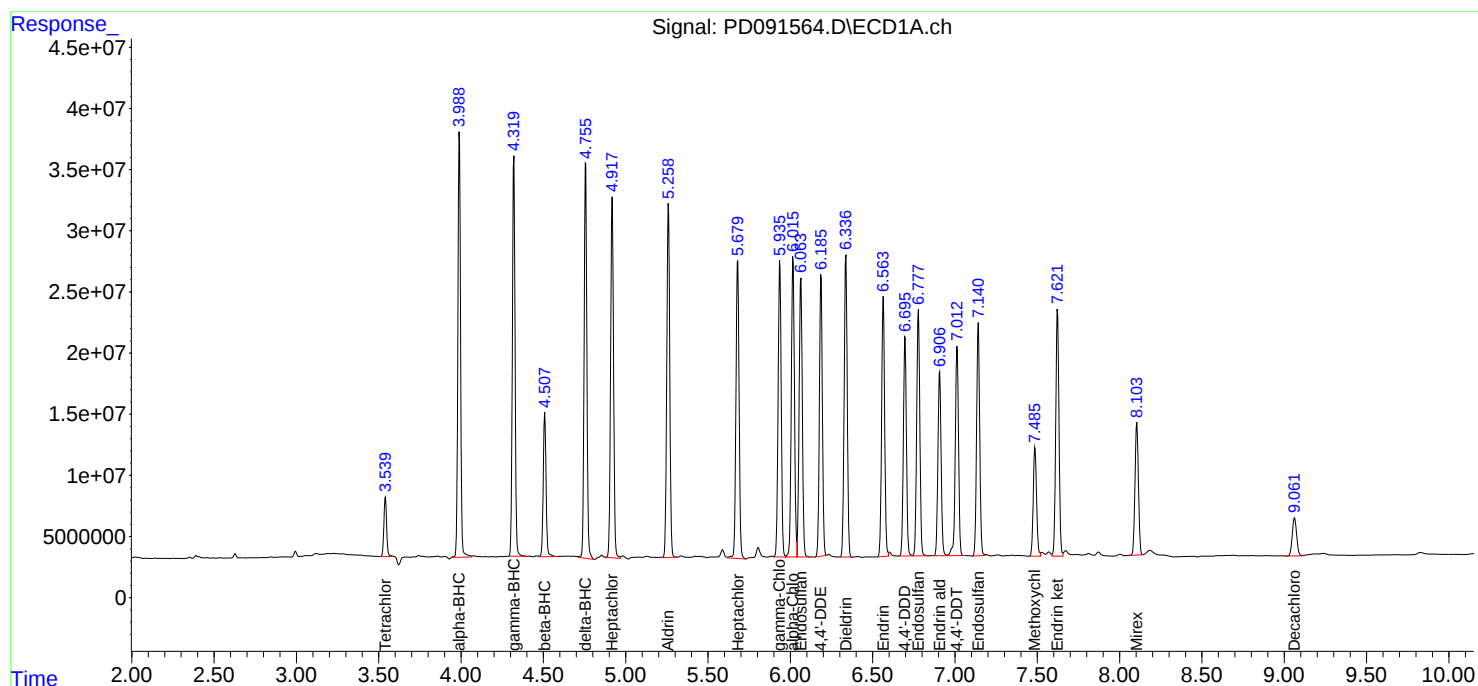
Instrument :
ECD_D
ClientSampleId :
S-3MSD

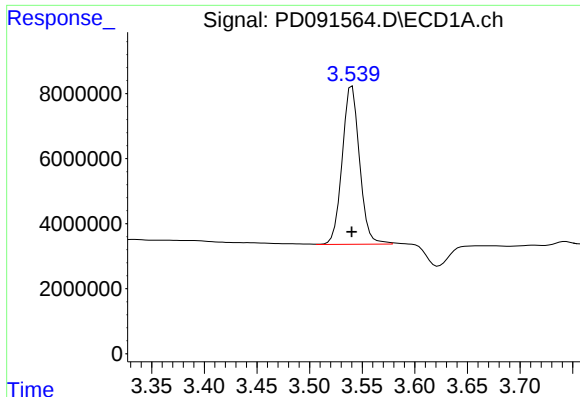
Manual Integrations
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Supervised By :Yogesh Patel 12/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 12 03:08:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
Quant Title : GC Extractables
QLast Update : Tue Dec 09 04:29:17 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





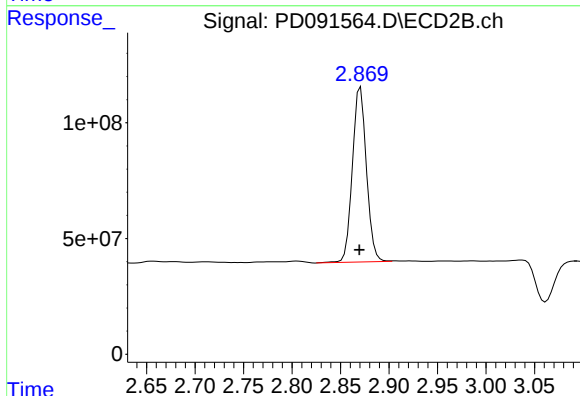
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 56032963
Conc: 16.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

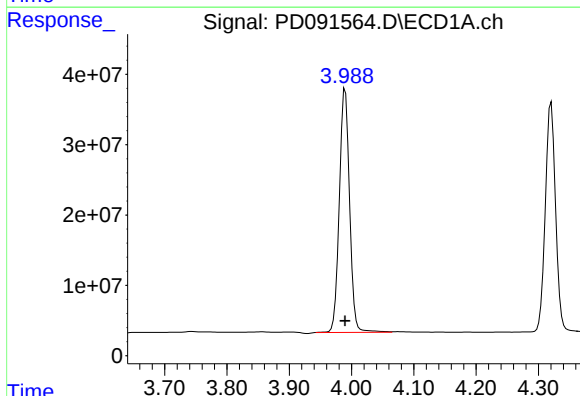
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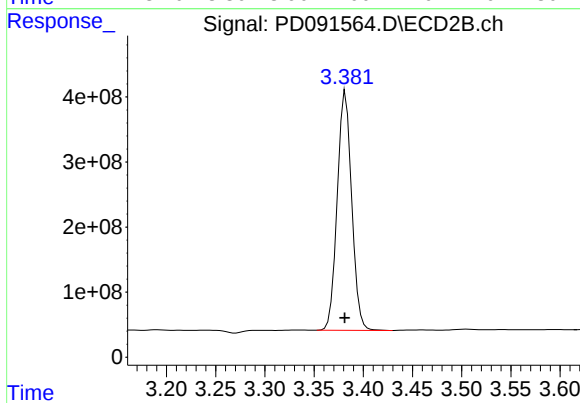
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: 0.001 min
Response: 760856030
Conc: 19.31 ng/ml



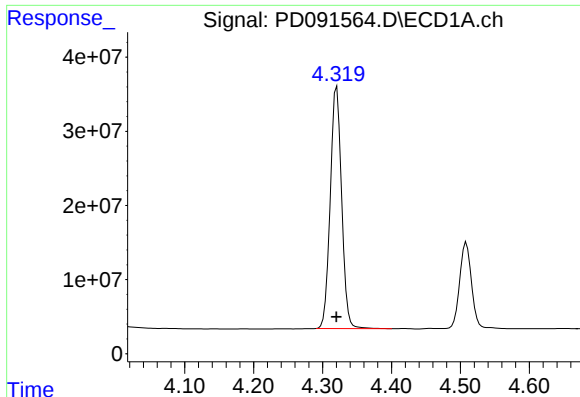
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: 0.000 min
Response: 396835632
Conc: 49.29 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: 0.000 min
Response: 3754656456
Conc: 55.07 ng/ml



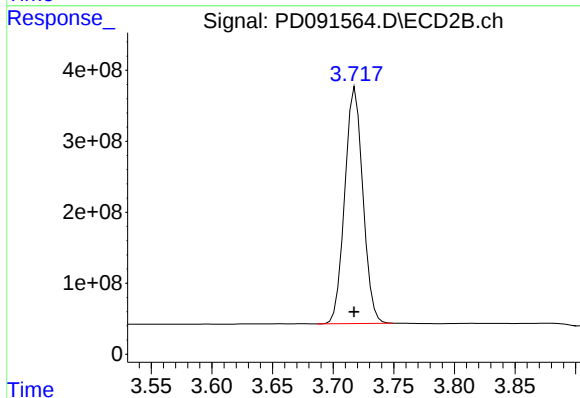
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: 0.000 min
Response: 373631988
Conc: 49.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

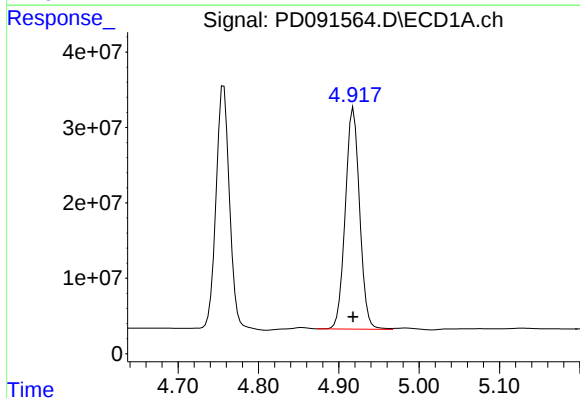
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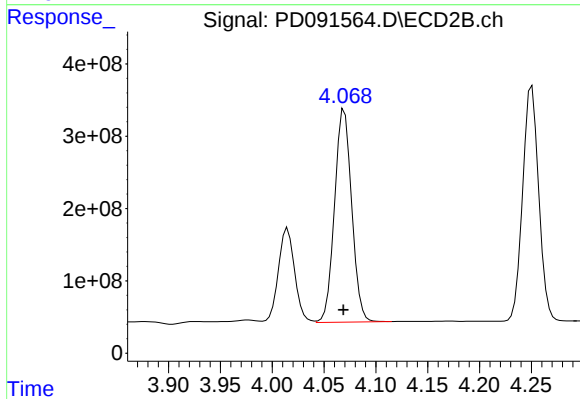
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: 0.001 min
Response: 3458732673
Conc: 61.51 ng/ml



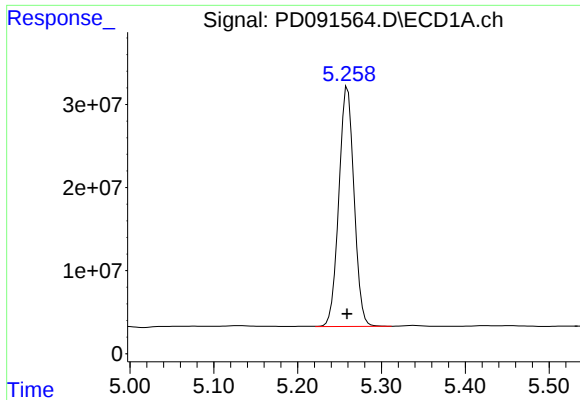
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 363802613
Conc: 51.25 ng/ml



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: 0.000 min
Response: 3387711106
Conc: 58.12 ng/ml



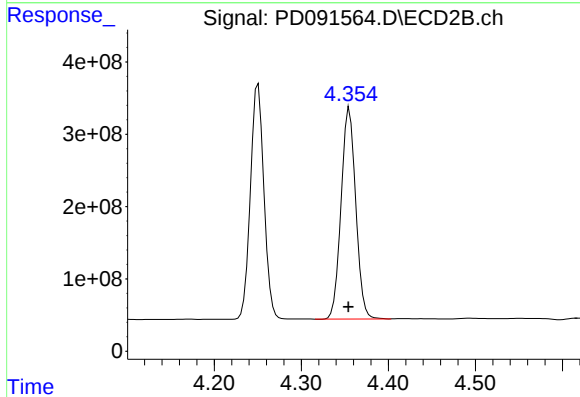
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.000 min
Response: 362757441
Conc: 52.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

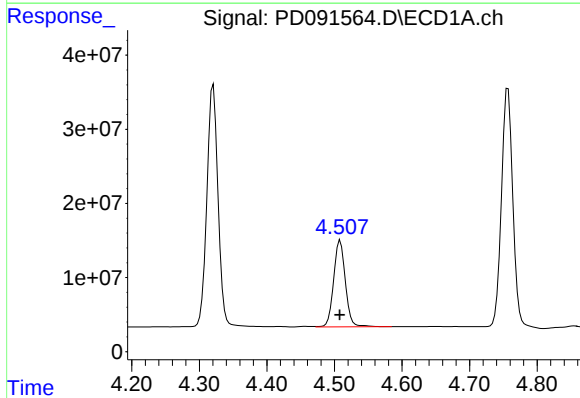
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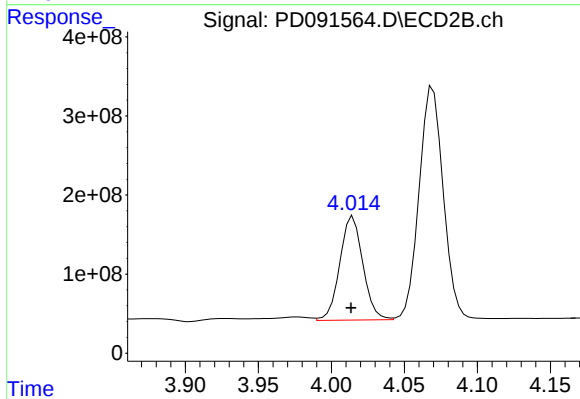
#5 Aldrin

R.T.: 4.355 min
Delta R.T.: 0.001 min
Response: 3415399416
Conc: 58.90 ng/ml



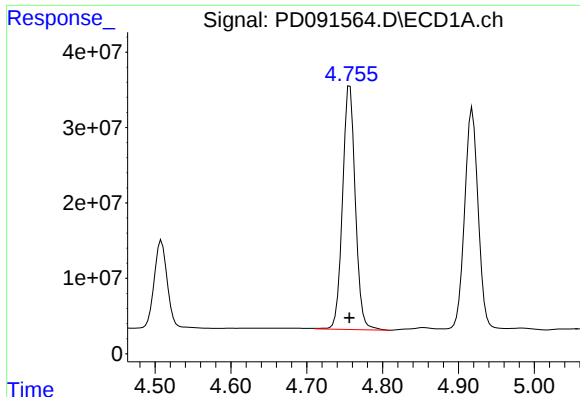
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 141294278
Conc: 48.94 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: 0.001 min
Response: 1442029822
Conc: 60.19 ng/ml



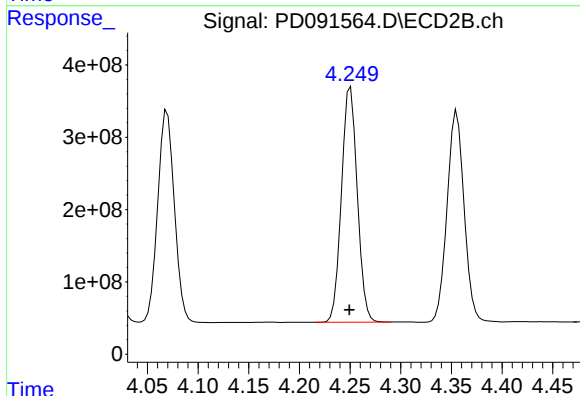
#7 delta-BHC

R.T.: 4.757 min
Delta R.T.: 0.000 min
Response: 379074288
Conc: 63.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

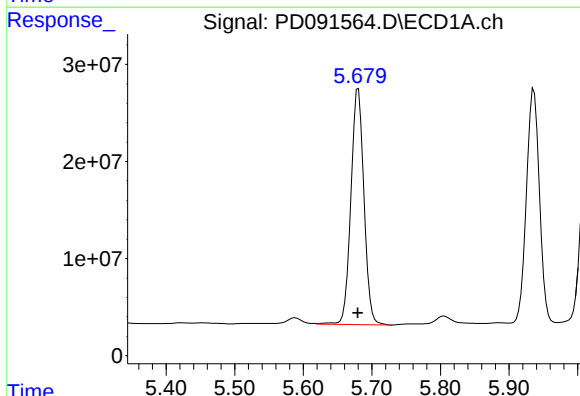
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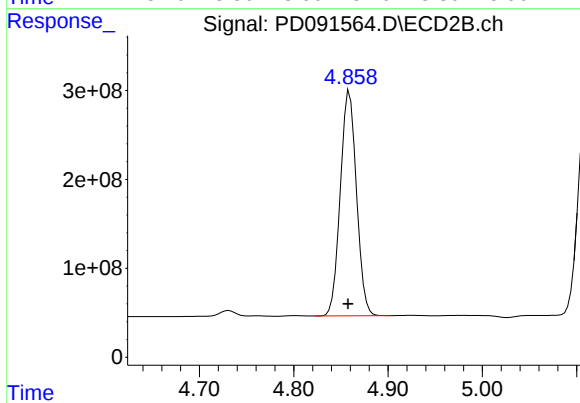
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: 0.001 min
Response: 3521576962
Conc: 58.80 ng/ml



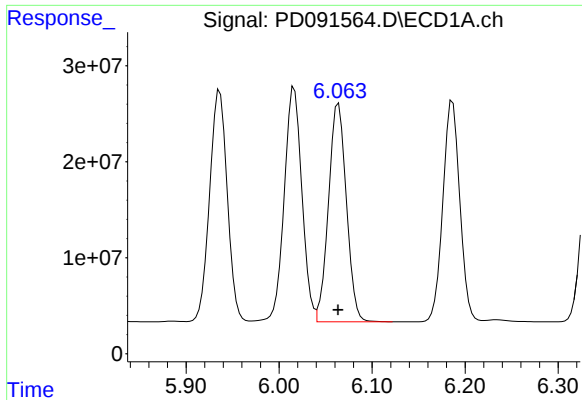
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: 0.000 min
Response: 321333437
Conc: 51.89 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: 0.001 min
Response: 3021874936
Conc: 59.72 ng/ml



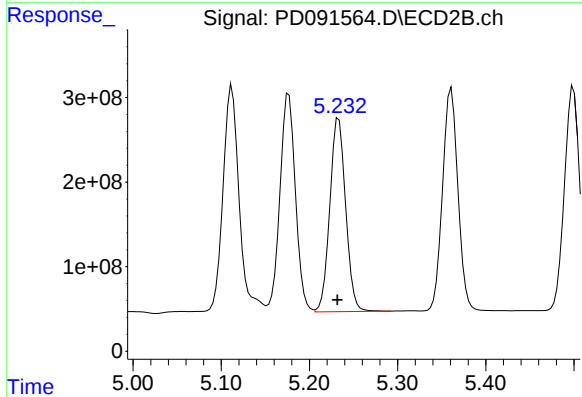
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: 0.000 min
Response: 304275285
Conc: 49.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

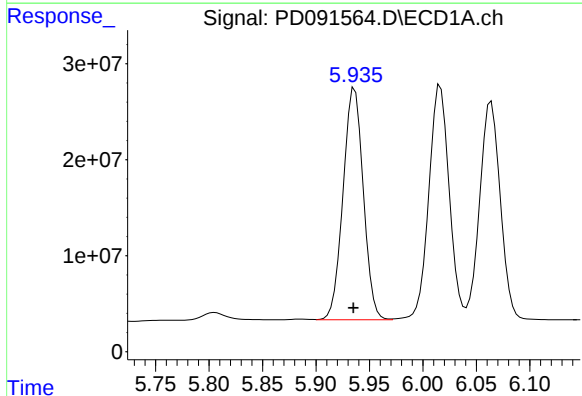
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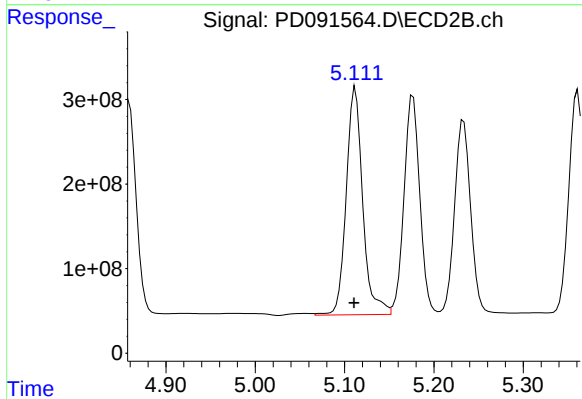
#9 Endosulfan I

R.T.: 5.233 min
Delta R.T.: 0.001 min
Response: 2859483551
Conc: 58.37 ng/ml



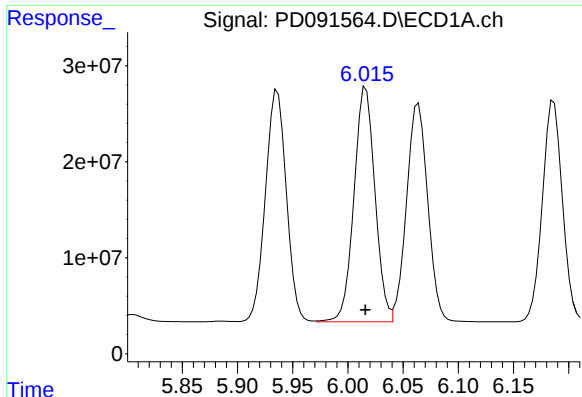
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: 0.001 min
Response: 318727548
Conc: 49.98 ng/ml



#10 gamma-Chlordane

R.T.: 5.112 min
Delta R.T.: 0.001 min
Response: 3456226475
Conc: 61.92 ng/ml



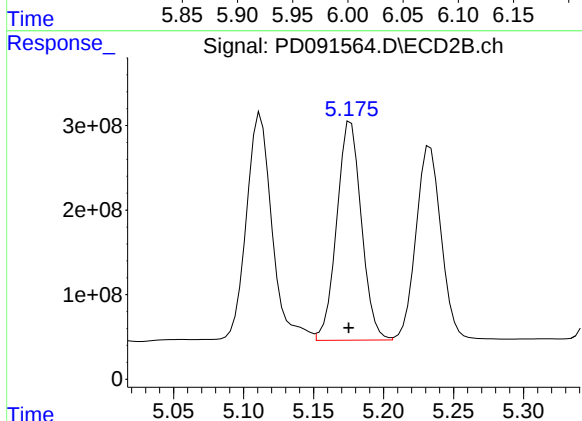
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 323322302
Conc: 48.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

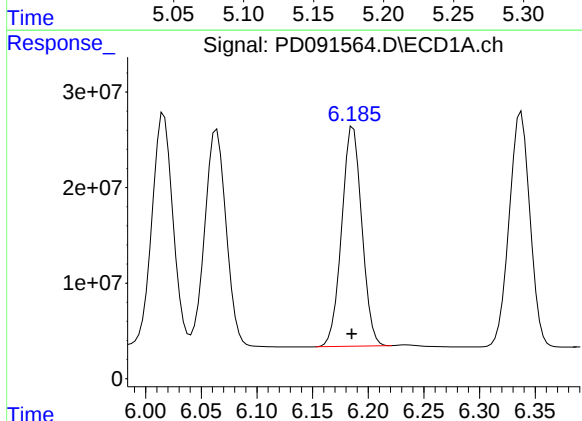
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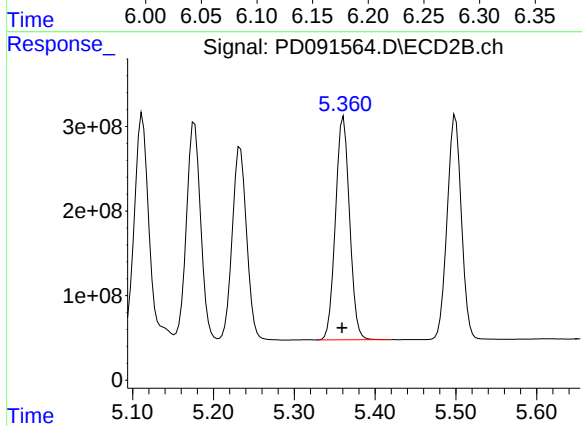
#11 alpha-Chlordane

R.T.: 5.177 min
Delta R.T.: 0.002 min
Response: 3171983222
Conc: 59.23 ng/ml



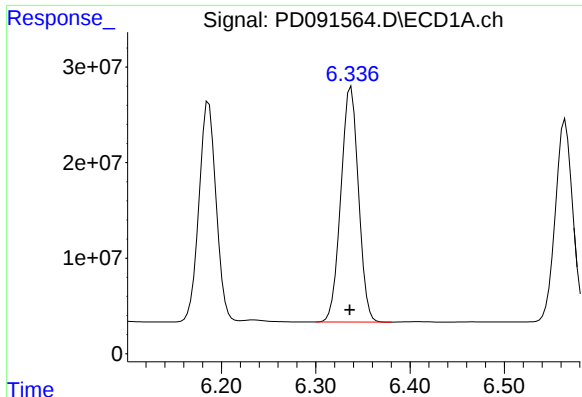
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: 0.001 min
Response: 289445072
Conc: 49.82 ng/ml



#12 4,4'-DDE

R.T.: 5.361 min
Delta R.T.: 0.002 min
Response: 3197788246
Conc: 58.35 ng/ml



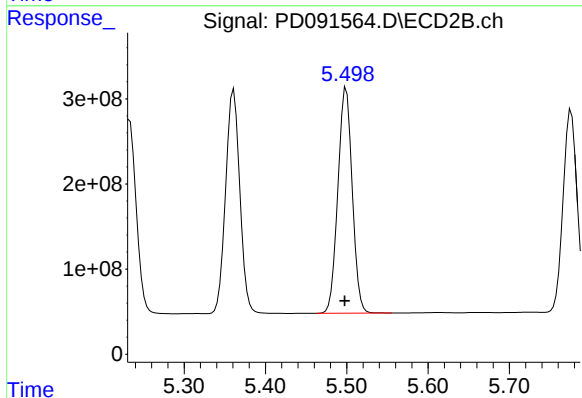
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 319673617
Conc: 49.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

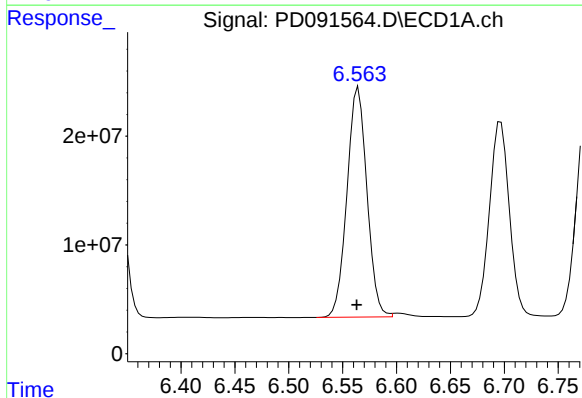
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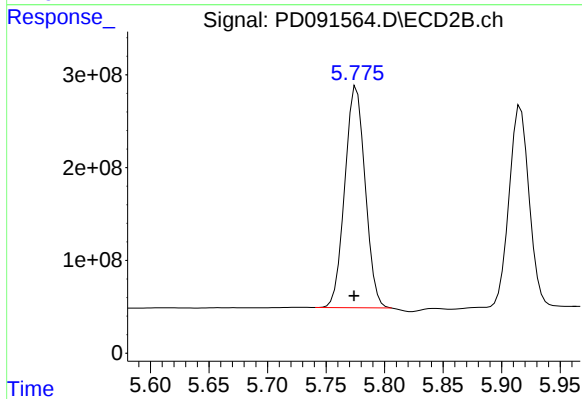
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: 0.002 min
Response: 3244383629
Conc: 58.50 ng/ml



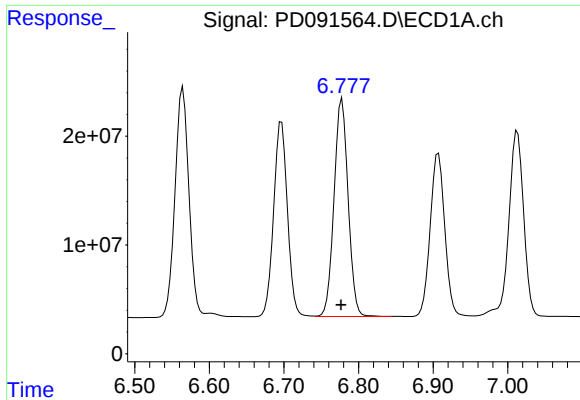
#14 Endrin

R.T.: 6.565 min
Delta R.T.: 0.002 min
Response: 272774951
Conc: 48.64 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: 0.002 min
Response: 2890819393
Conc: 55.30 ng/ml



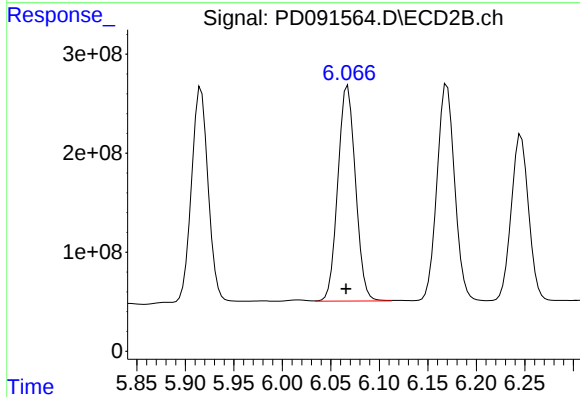
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: 0.001 min
Response: 263119480
Conc: 43.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

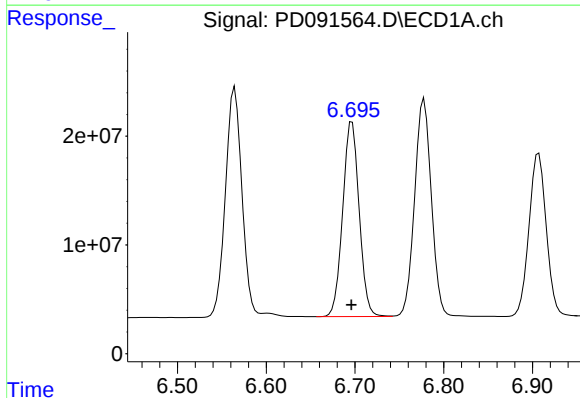
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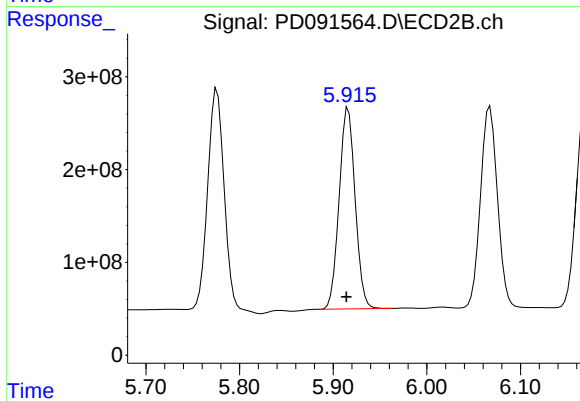
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: 0.002 min
Response: 2748940881
Conc: 58.35 ng/ml



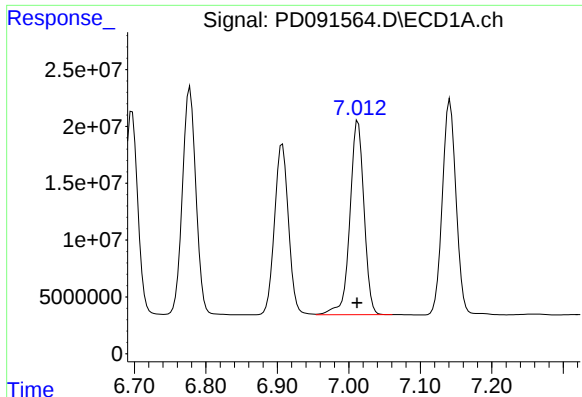
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: 0.000 min
Response: 231005090
Conc: 50.19 ng/ml



#16 4,4'-DDD

R.T.: 5.916 min
Delta R.T.: 0.002 min
Response: 2575596363
Conc: 56.62 ng/ml



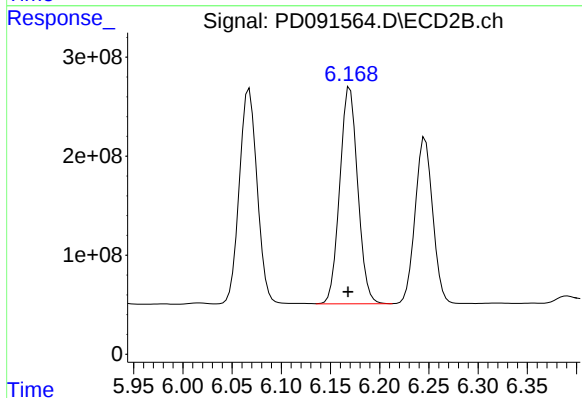
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: 0.001 min
Response: 234857354
Conc: 45.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

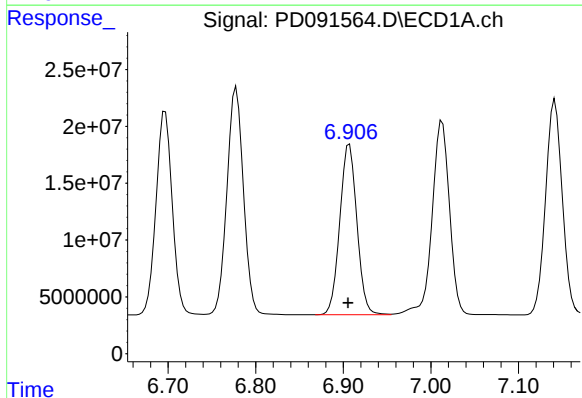
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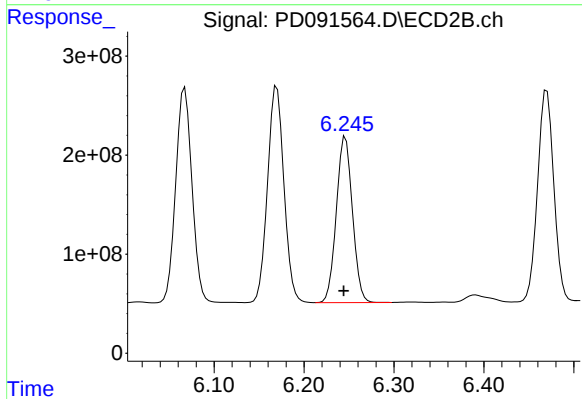
#17 4,4'-DDT

R.T.: 6.170 min
Delta R.T.: 0.002 min
Response: 2780467746
Conc: 58.66 ng/ml



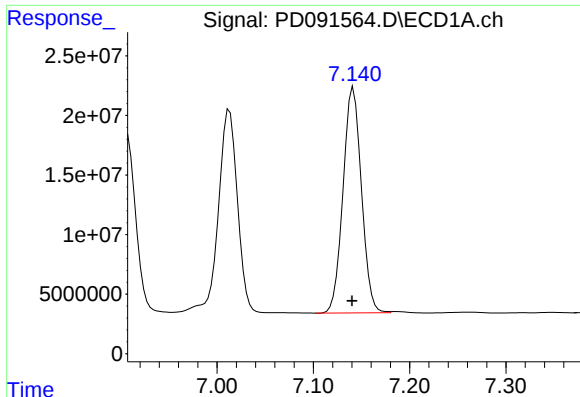
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: 0.002 min
Response: 203652928
Conc: 48.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: 0.002 min
Response: 2084015226
Conc: 58.39 ng/ml



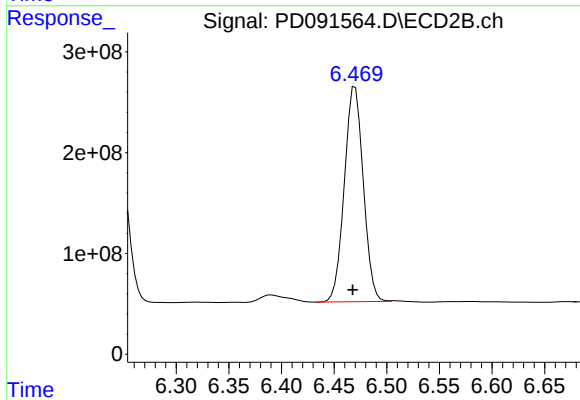
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: 0.001 min
Response: 250064626
Conc: 47.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

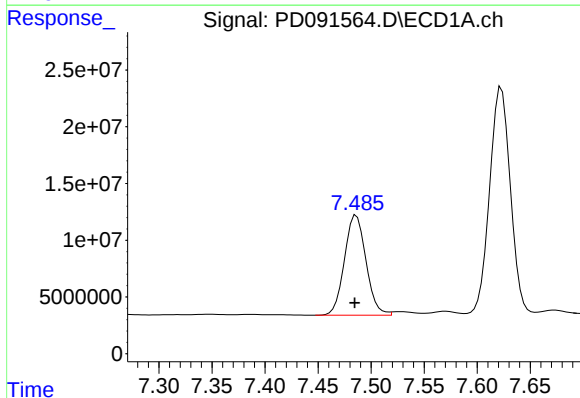
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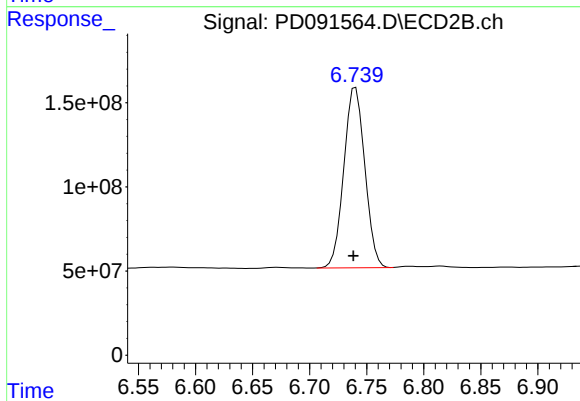
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: 0.003 min
Response: 2683885273
Conc: 58.23 ng/ml



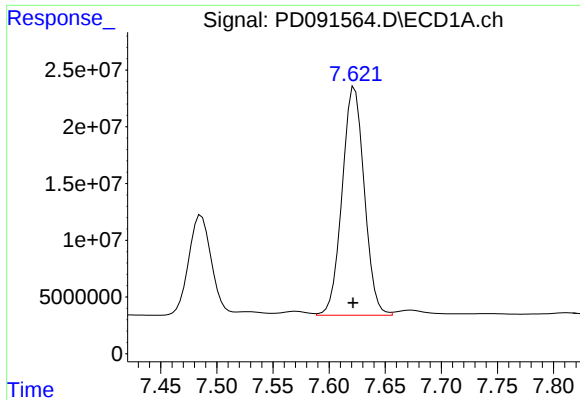
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: 0.002 min
Response: 124328081
Conc: 46.25 ng/ml



#20 Methoxychlor

R.T.: 6.740 min
Delta R.T.: 0.002 min
Response: 1370474739
Conc: 58.08 ng/ml



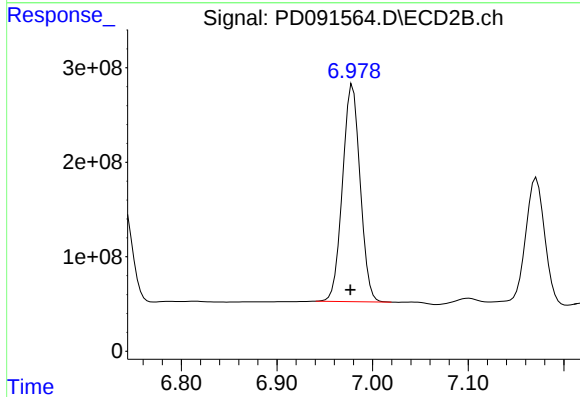
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: 0.002 min
Response: 276095917
Conc: 49.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

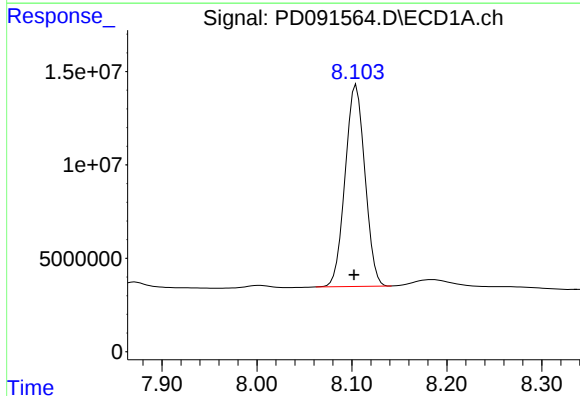
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



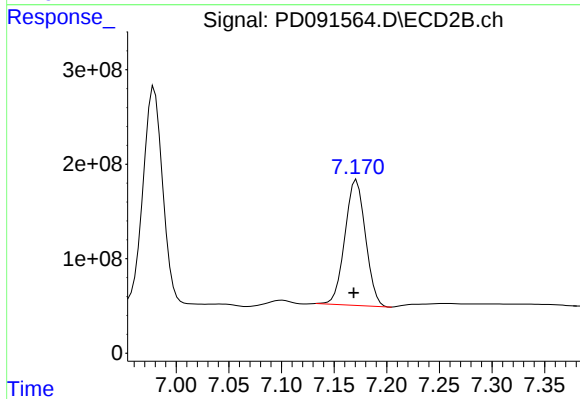
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.002 min
Response: 2953116468
Conc: 60.71 ng/ml



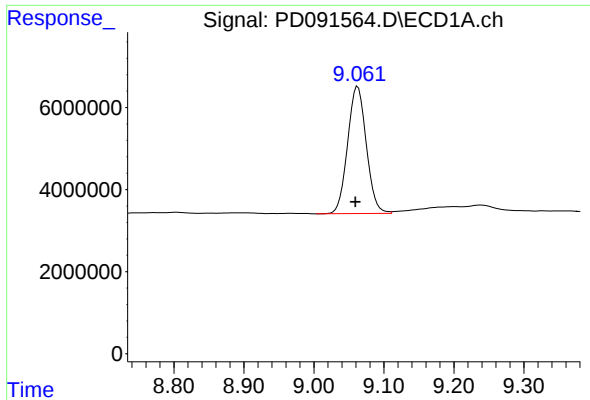
#22 Mirex

R.T.: 8.105 min
Delta R.T.: 0.002 min
Response: 156340791
Conc: 42.08 ng/ml



#22 Mirex

R.T.: 7.171 min
Delta R.T.: 0.003 min
Response: 1815781864
Conc: 55.40 ng/ml



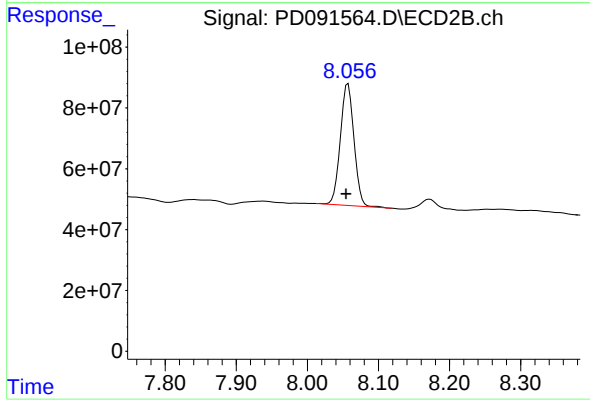
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.003 min
Response: 57460544
Conc: 11.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
S-3MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/12/2025
Supervised By :Yogesh Patel 12/12/2025



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: 0.003 min
Response: 532660983
Conc: 12.86 ng/ml