

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090155.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 17:55
 Operator : AR\AJ
 Sample : PB169551BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169551BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/05/2025
 Supervised By : mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.548	2.878	56884444	464.4E6	19.382m	21.059
28)	SA Decachlor...	9.071	8.065	184.2E6	1189.6E6	42.685	45.955
Target Compounds							
2)	A alpha-BHC	3.999	3.389	329.0E6	1924.7E6	54.818	56.712
3)	MA gamma-BHC...	4.329	3.726	316.1E6	1792.3E6	55.201	57.499
4)	MA Heptachlor	4.928	4.078	307.7E6	1759.6E6	54.863	56.412
5)	MB Aldrin	5.269	4.364	310.4E6	1794.9E6	57.324	58.936
6)	B beta-BHC	4.516	4.022	120.8E6	772.6E6	53.861	57.956
7)	B delta-BHC	4.764	4.258	235.5E6	1403.6E6	45.486	44.487
8)	B Heptachlo...	5.689	4.867	277.4E6	1631.8E6	56.527	58.920
9)	A Endosulfan I	6.073	5.242	261.3E6	1533.0E6	56.627	58.464
10)	B gamma-Chl...	5.945	5.119	279.8E6	1760.4E6	57.209	59.449m
11)	B alpha-Chl...	6.026	5.185	278.3E6	1684.5E6	56.529	59.025
12)	B 4,4'-DDE	6.195	5.369	252.0E6	1722.7E6	57.433	59.767
13)	MA Dieldrin	6.346	5.507	281.1E6	1747.3E6	57.408	59.662
14)	MA Endrin	6.573	5.784	217.7E6	1536.8E6	52.543	57.706
15)	B Endosulfa...	6.786	6.075	237.4E6	1509.6E6	56.255	59.679
16)	A 4,4'-DDD	6.705	5.923	207.2E6	1496.5E6	59.912	62.239
17)	MA 4,4'-DDT	7.020	6.177	194.5E6	1367.4E6	51.048	54.545
18)	B Endrin al...	6.915	6.253	176.1E6	1133.4E6	61.421	65.821
19)	B Endosulfa...	7.149	6.477	209.1E6	1375.5E6	53.351	56.422
20)	A Methoxychlor	7.493	6.748	97103732	691.7E6	48.416	53.636
21)	B Endrin ke...	7.630	6.986	240.9E6	1655.6E6	58.118	62.136
22)	Mirex	8.112	7.179	168.9E6	1203.0E6	53.534	58.240

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
Data File : PD090155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 17:55
Operator : AR\AJ
Sample : PB169551BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

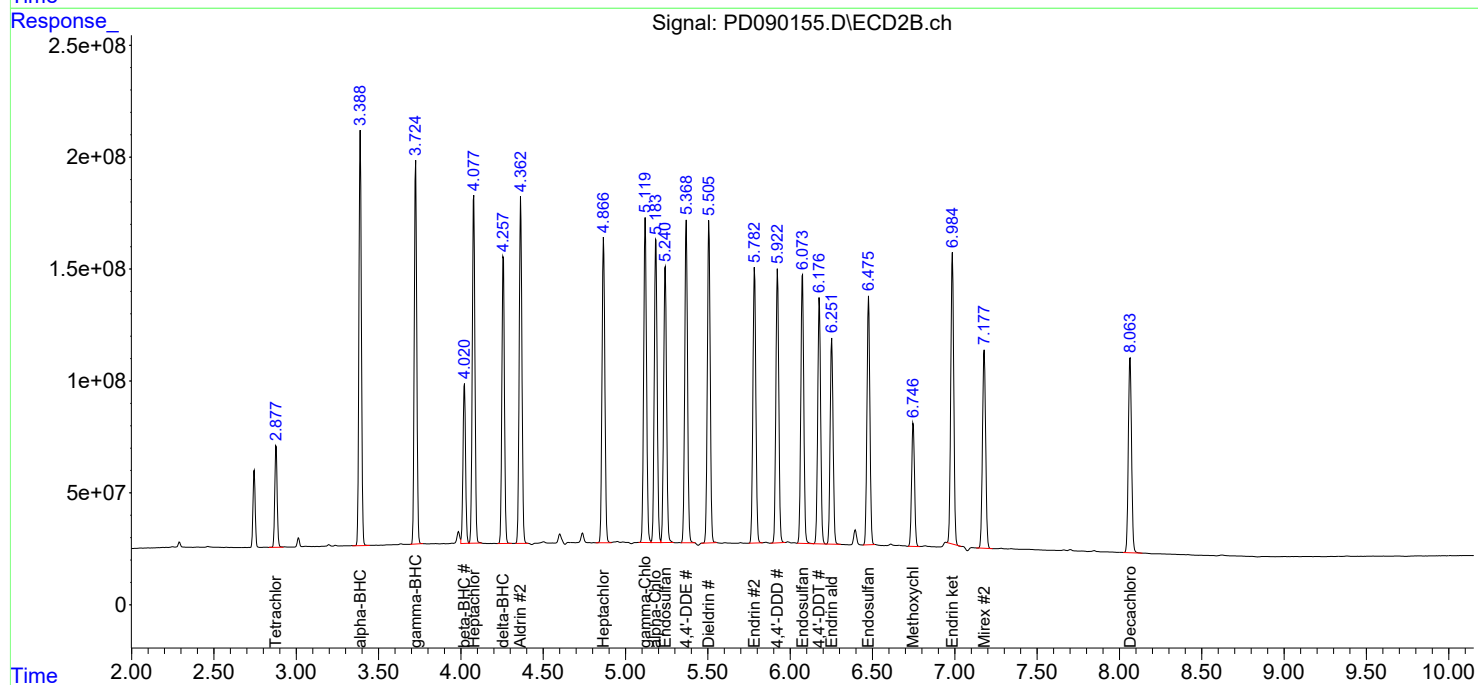
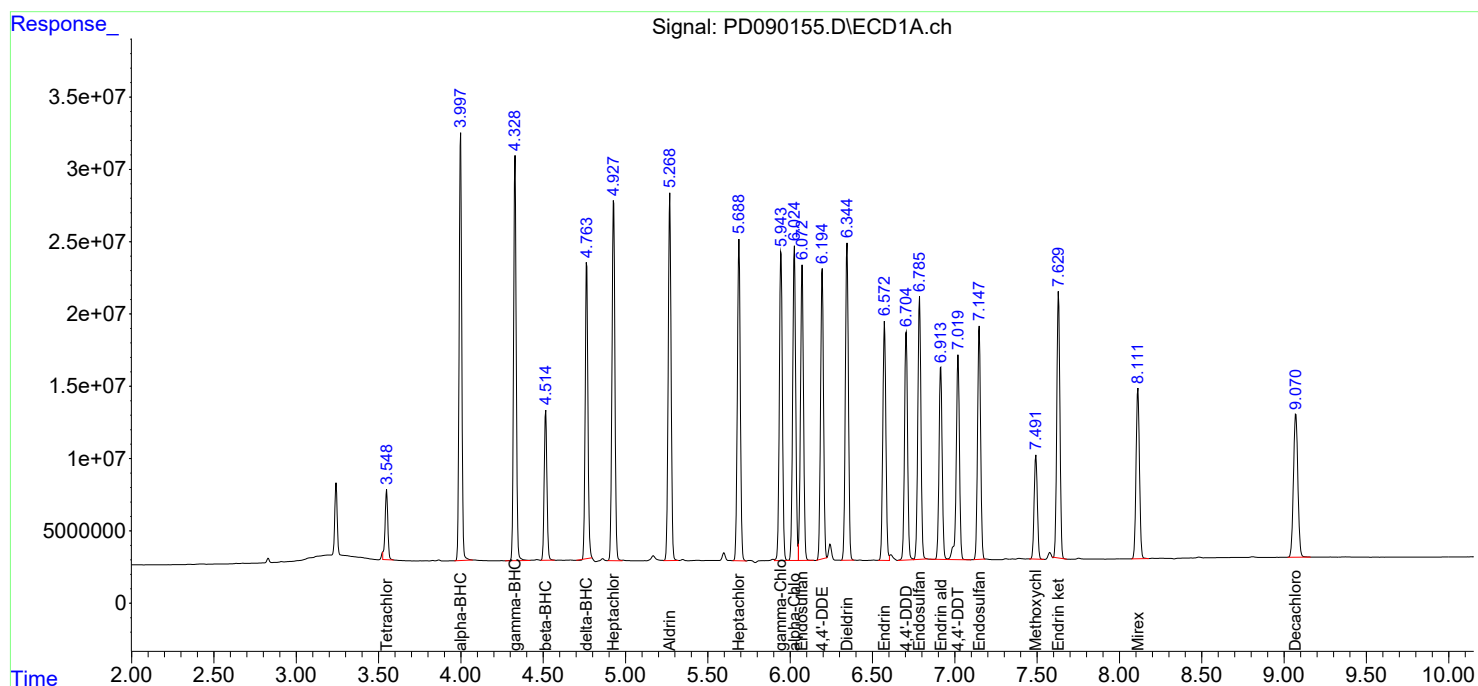
Instrument :
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ClientSampleId :
PB169551BS

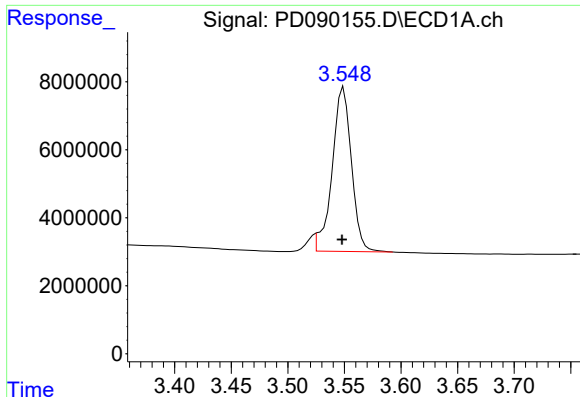
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 02:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





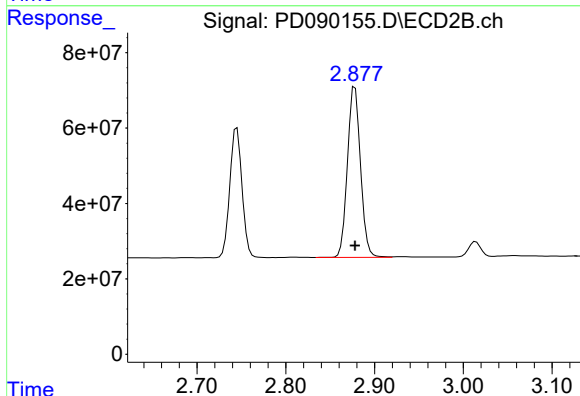
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 56884444
Conc: 19.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

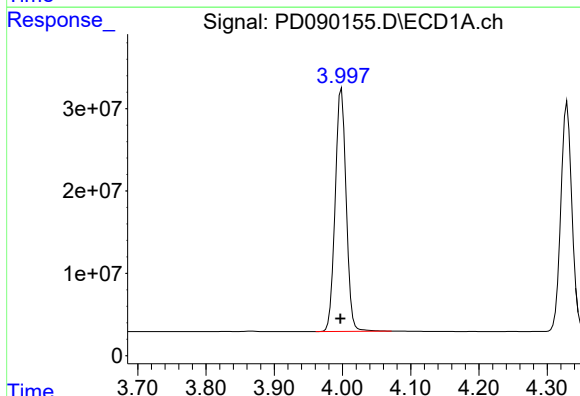
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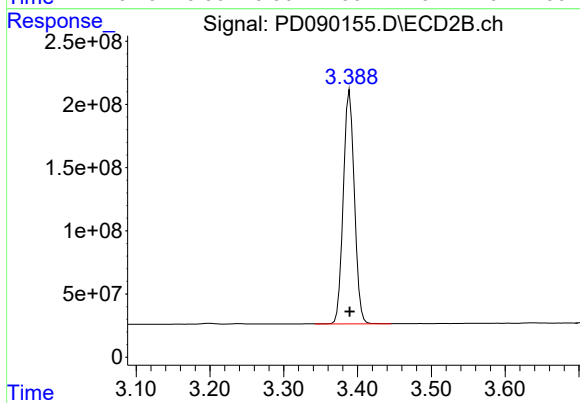
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 464352297
Conc: 21.06 ng/ml



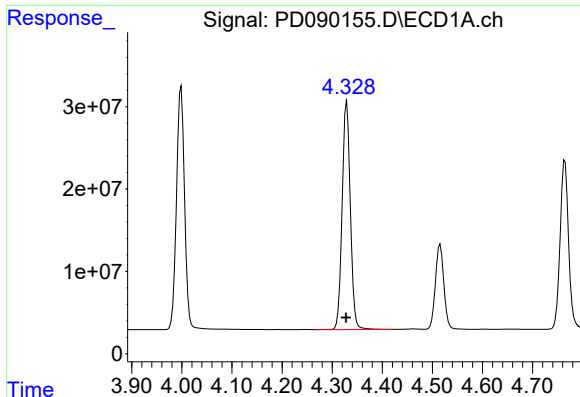
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 329031113
Conc: 54.82 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1924734419
Conc: 56.71 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 316125188
Conc: 55.20 ng/ml

Instrument :

ECD_D

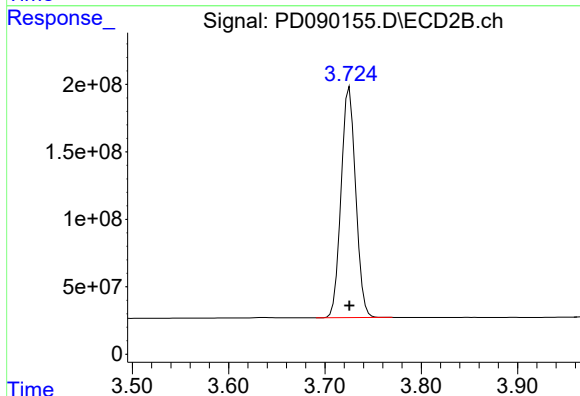
ClientSampleId :

PB169551BS

Manual Integrations

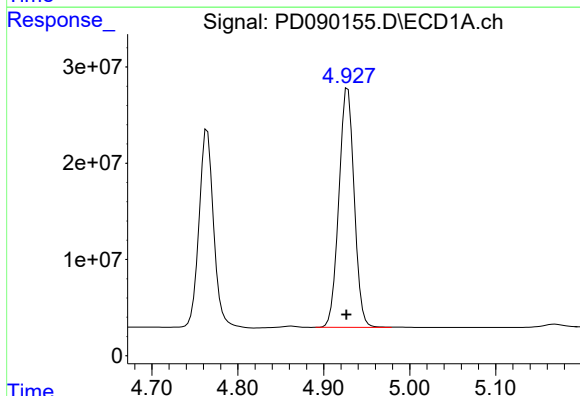
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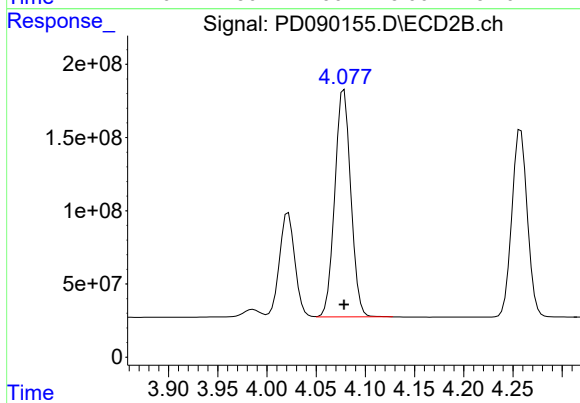
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1792284060
Conc: 57.50 ng/ml



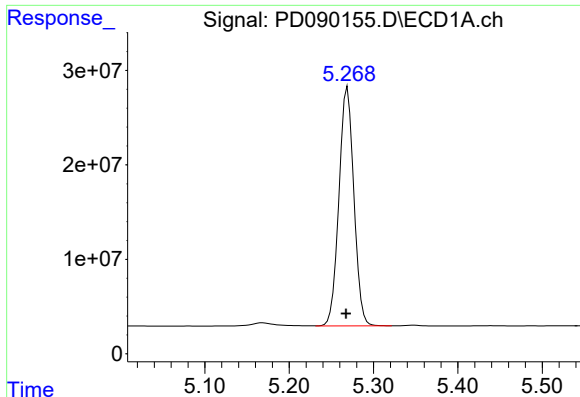
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.002 min
Response: 307736817
Conc: 54.86 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1759574404
Conc: 56.41 ng/ml



#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 310382368
Conc: 57.32 ng/ml

Instrument :

ECD_D

ClientSampleId :

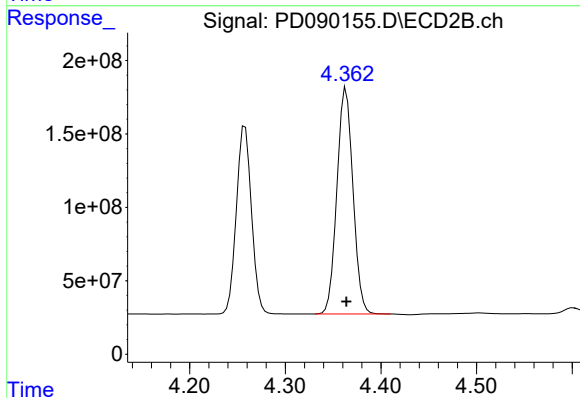
PB169551BS

Manual Integrations

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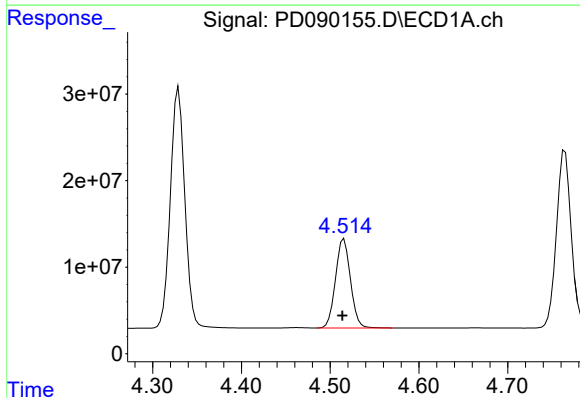
Reviewed By :Abdul Mirza 09/05/2025

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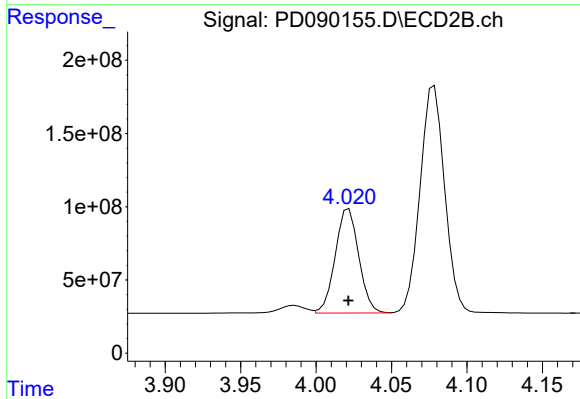
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1794943149
Conc: 58.94 ng/ml



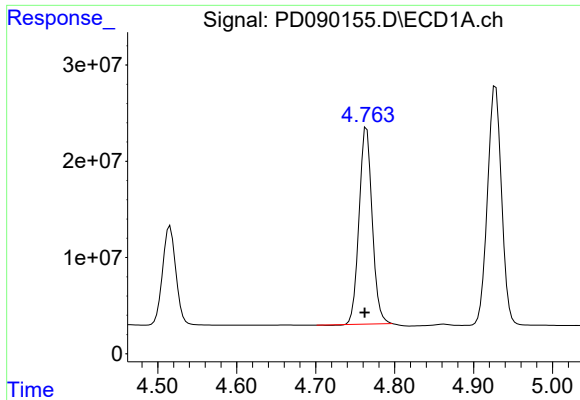
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 120810655
Conc: 53.86 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 772568321
Conc: 57.96 ng/ml



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 235511684
Conc: 45.49 ng/ml

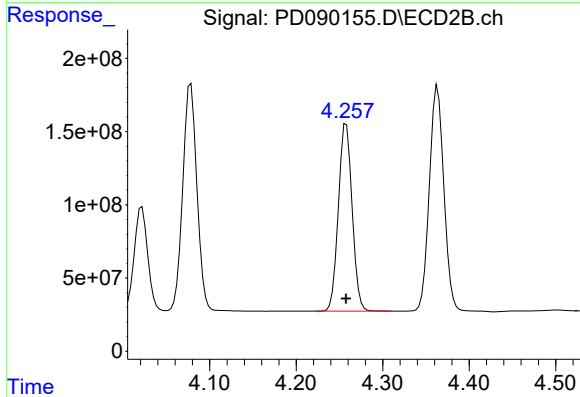
Instrument :

ECD_D

ClientSampleId :
PB169551BS

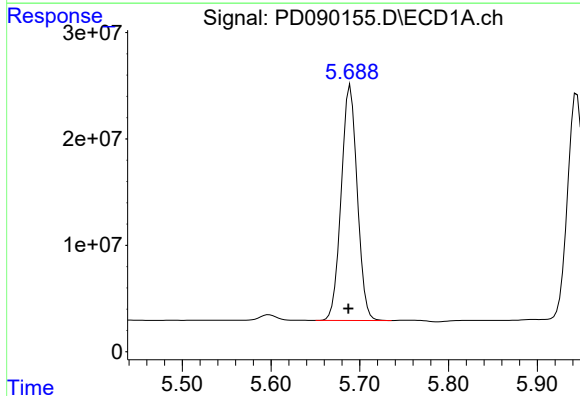
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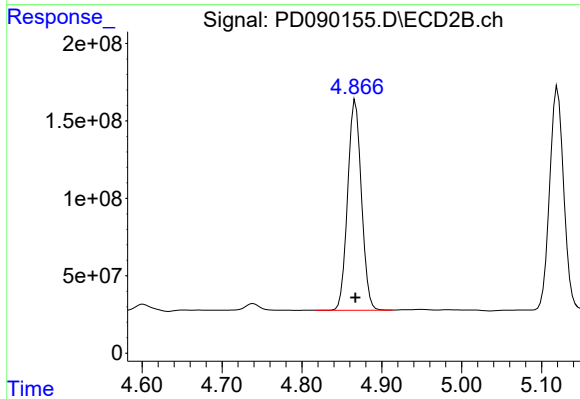
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1403551661
Conc: 44.49 ng/ml



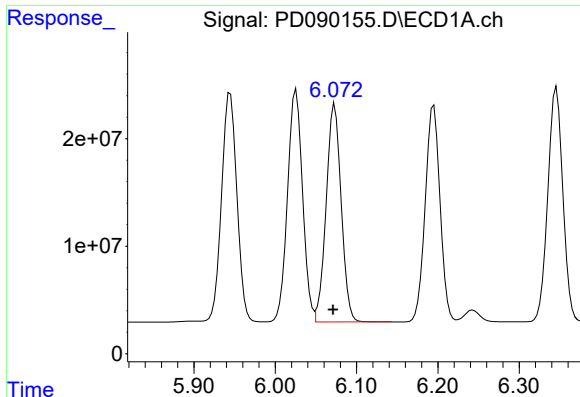
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 277368660
Conc: 56.53 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1631782978
Conc: 58.92 ng/ml



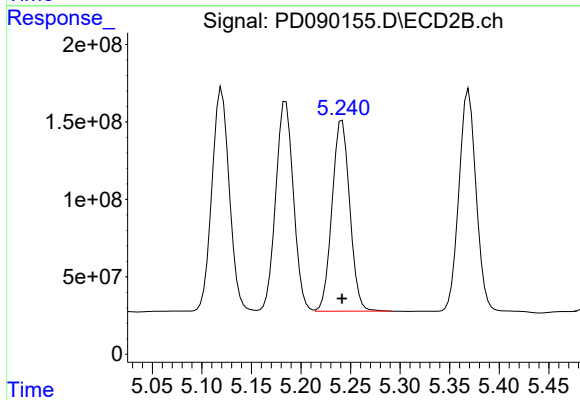
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 261328039
Conc: 56.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

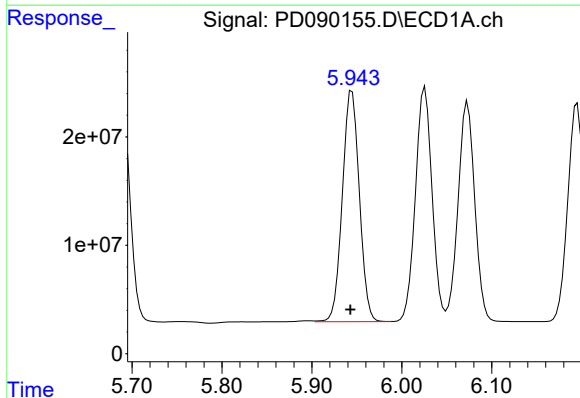
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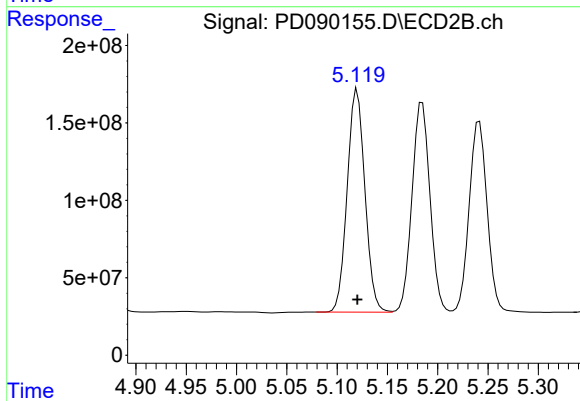
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1533030007
Conc: 58.46 ng/ml



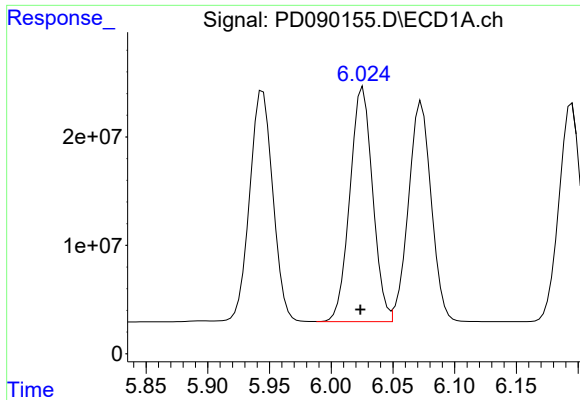
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 279809655
Conc: 57.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.002 min
Response: 1760370109
Conc: 59.45 ng/ml m



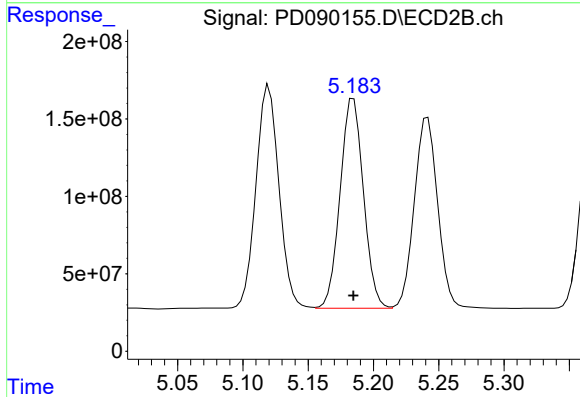
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 278257854
Conc: 56.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

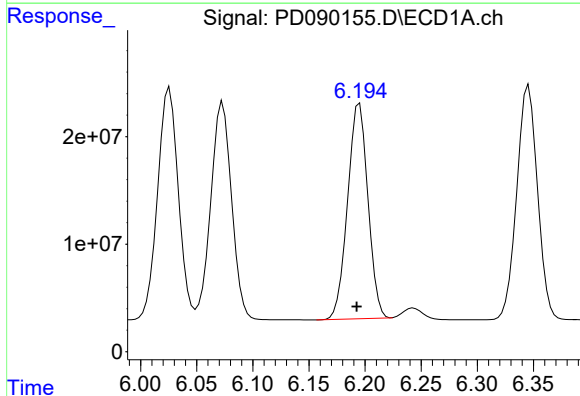
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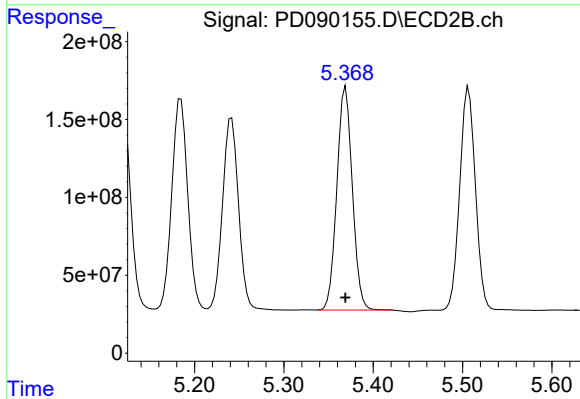
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1684473419
Conc: 59.03 ng/ml



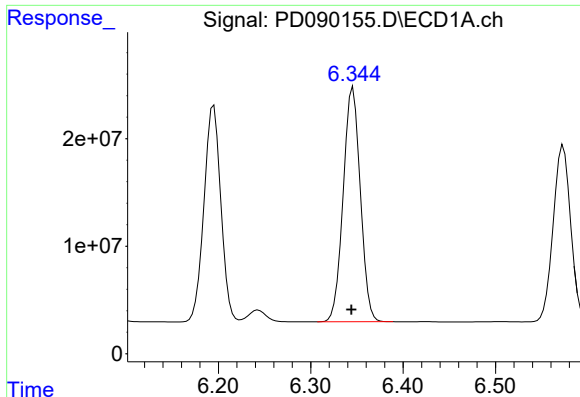
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.003 min
Response: 252033308
Conc: 57.43 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1722661213
Conc: 59.77 ng/ml



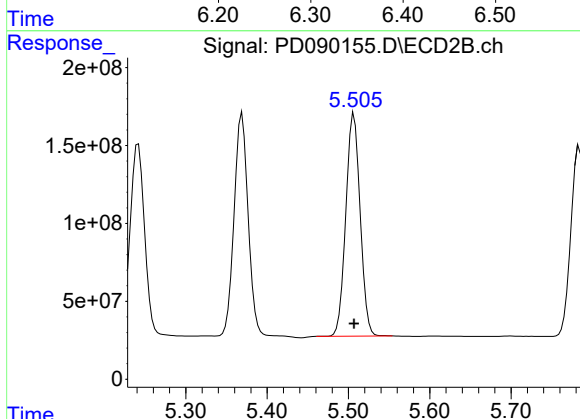
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 281058182
Conc: 57.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

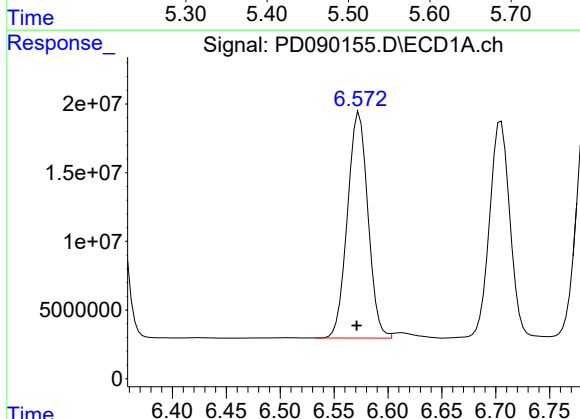
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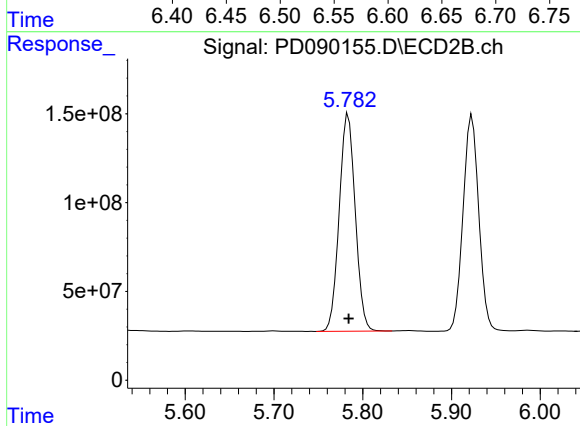
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1747317299
Conc: 59.66 ng/ml



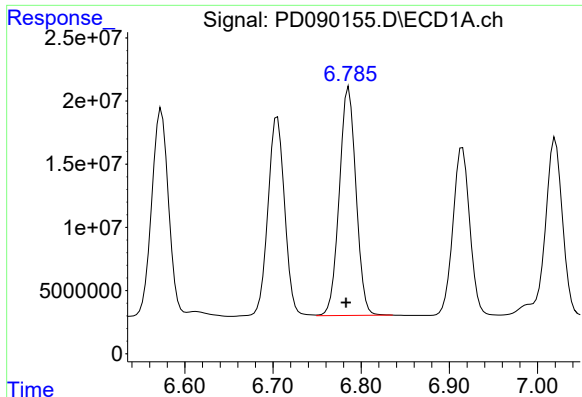
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 217714620
Conc: 52.54 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1536828424
Conc: 57.71 ng/ml



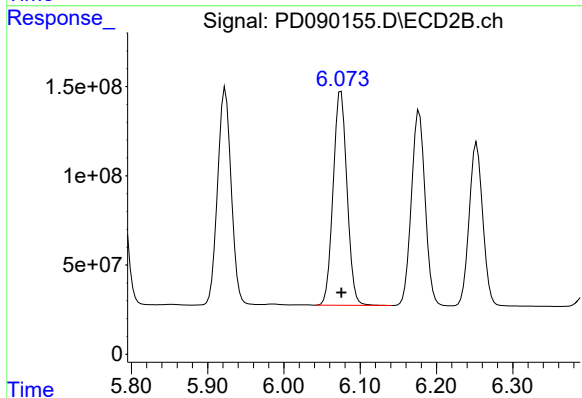
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.003 min
Response: 237381599
Conc: 56.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

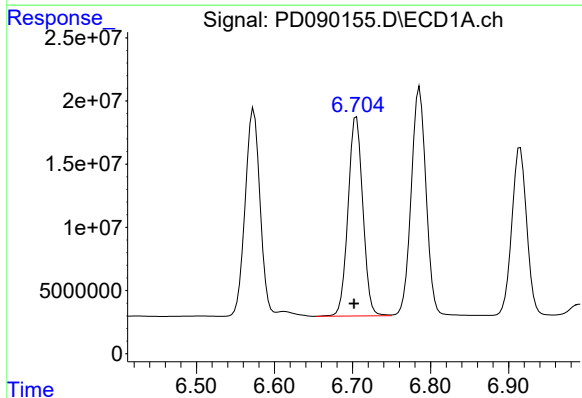
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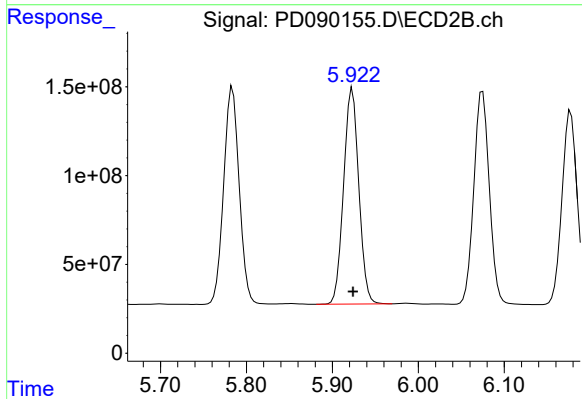
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1509553783
Conc: 59.68 ng/ml



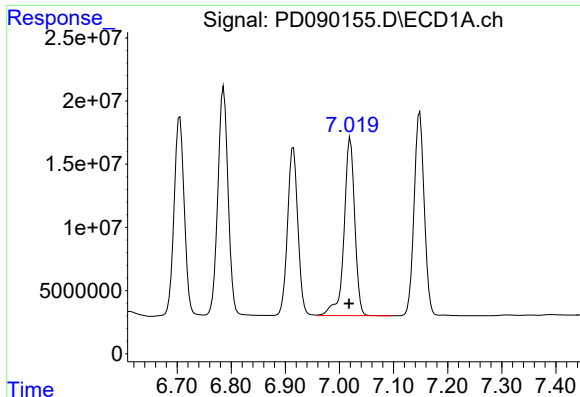
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.003 min
Response: 207240976
Conc: 59.91 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1496452691
Conc: 62.24 ng/ml



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 194480510
Conc: 51.05 ng/ml

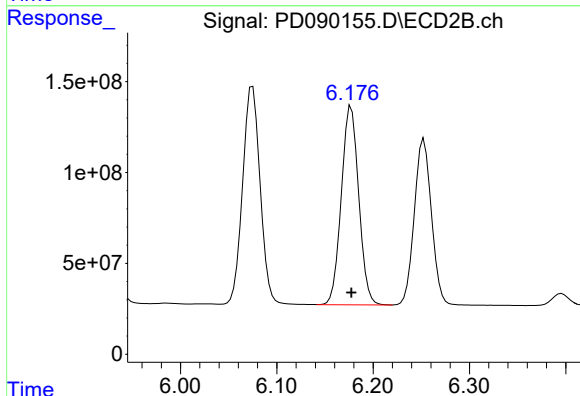
Instrument :

ECD_D

ClientSampleId :
PB169551BS

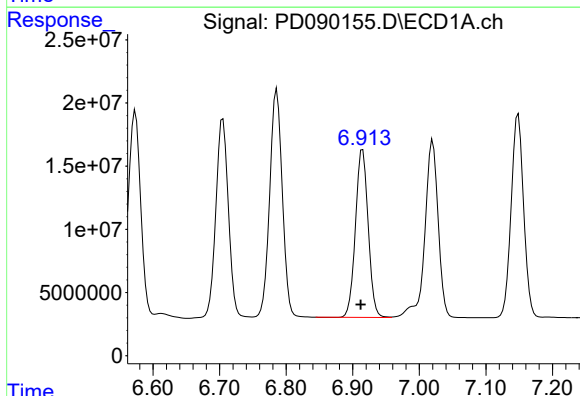
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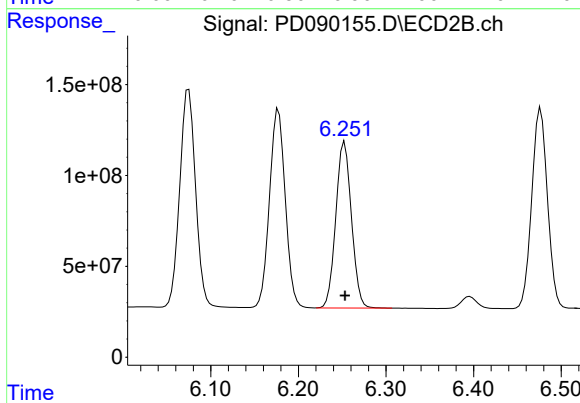
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1367427292
Conc: 54.54 ng/ml



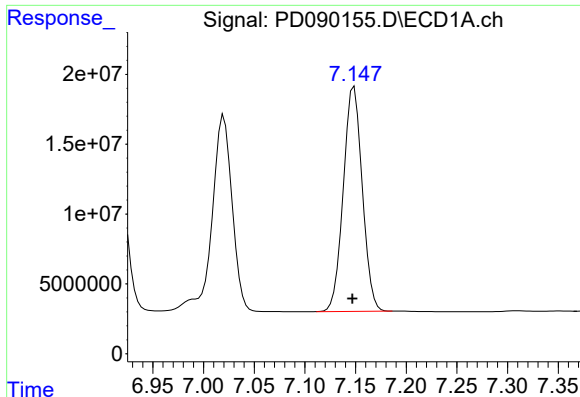
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.003 min
Response: 176102688
Conc: 61.42 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1133432957
Conc: 65.82 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 209055904
Conc: 53.35 ng/ml

Instrument :

ECD_D

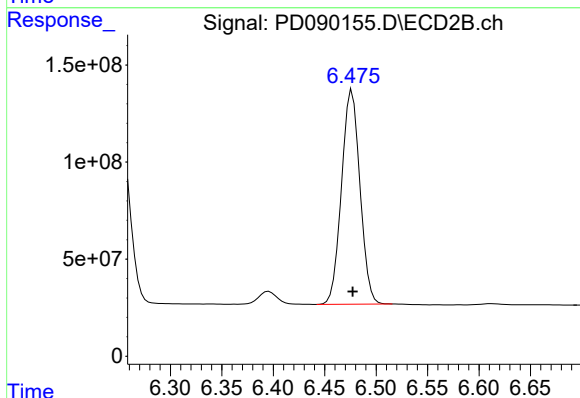
ClientSampleId :

PB169551BS

Manual Integrations

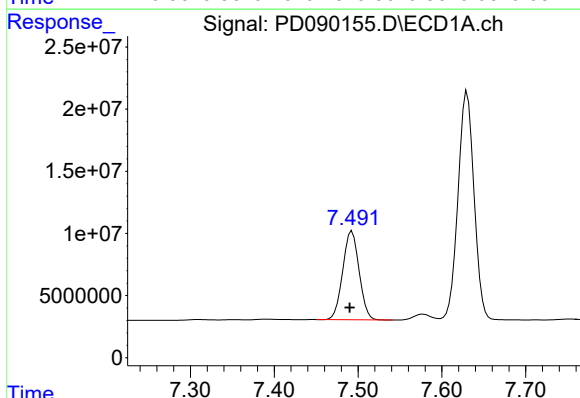
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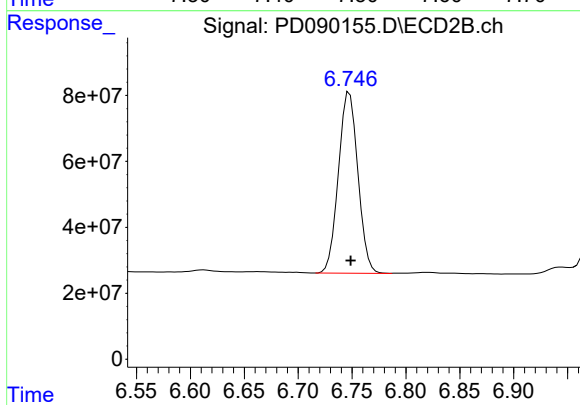
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1375539472
Conc: 56.42 ng/ml



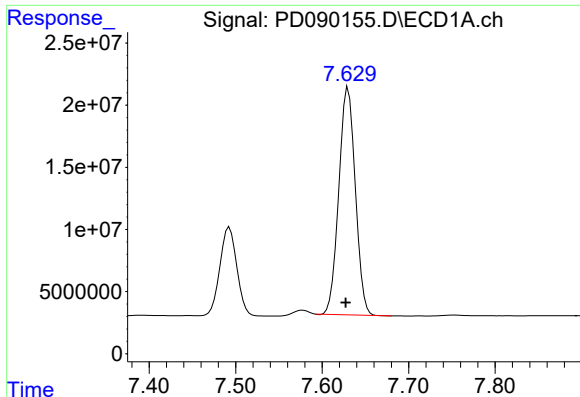
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.002 min
Response: 97103732
Conc: 48.42 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 691678772
Conc: 53.64 ng/ml



#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.003 min
Response: 240871319
Conc: 58.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

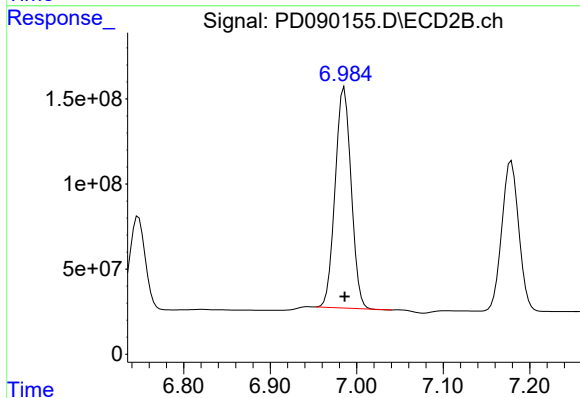
PB169551BS

Manual Integrations

APPROVED

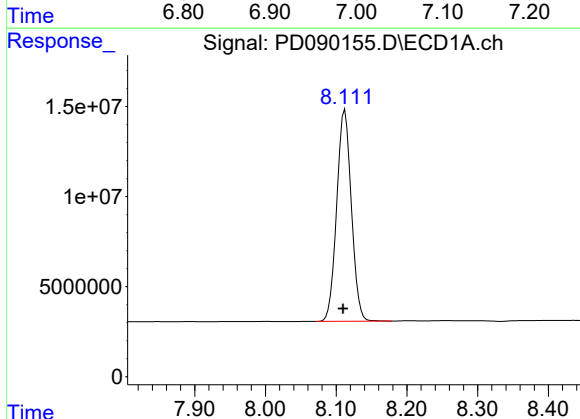
Reviewed By :Abdul Mirza 09/05/2025

Supervised By :mohammad ahmed 09/09/2025



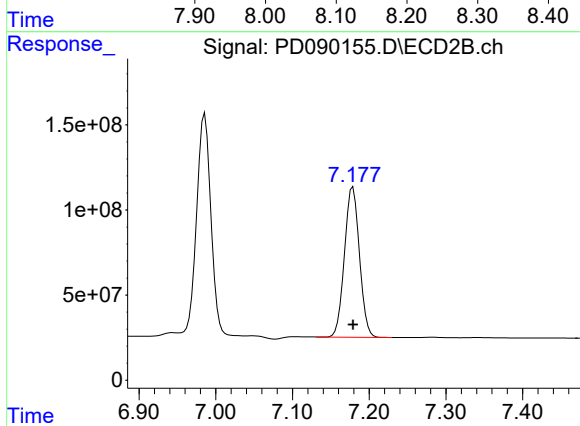
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1655595827
Conc: 62.14 ng/ml



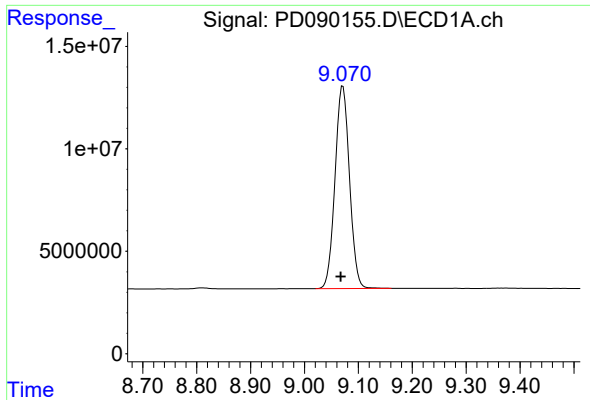
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.003 min
Response: 168872199
Conc: 53.53 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 1202990943
Conc: 58.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 184225846
Conc: 42.68 ng/ml

Instrument :

ECD_D

ClientSampleId :

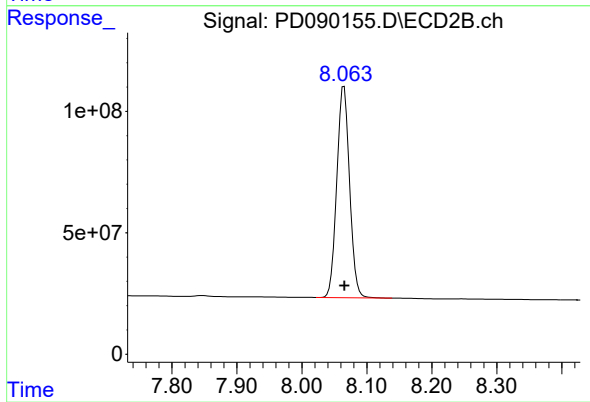
PB169551BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/05/2025

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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 1189595791
Conc: 45.96 ng/ml