

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096555.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 12:37
 Operator : AR\AJ
 Sample : PB168984BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168984BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/25/2025
 Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:31:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	70699130	119.6E6	19.375	20.731
28)	SA Decachlor...	9.015	7.991	53333178	83924263	18.959	16.830
Target Compounds							
2)	A alpha-BHC	3.982	3.333	296.3E6	513.0E6	57.617	60.825
3)	MA gamma-BHC...	4.310	3.665	280.9E6	472.6E6	56.408	60.000
4)	MA Heptachlor	4.902	4.013	245.0E6	419.9E6	53.468	55.195
5)	MB Aldrin	5.243	4.296	270.0E6	440.4E6	55.863	60.363
6)	B beta-BHC	4.497	3.960	118.7E6	196.7E6	57.077	57.442
7)	B delta-BHC	4.742	4.193	266.8E6	464.2E6	59.536	60.269
8)	B Heptachlo...	5.662	4.798	252.8E6	394.2E6	60.921	58.963
9)	A Endosulfan I	6.043	5.169	223.3E6	368.0E6	55.305	51.301
10)	B gamma-Chl...	5.915	5.050	251.7E6	418.8E6	56.892	59.656
11)	B alpha-Chl...	5.996	5.114	243.9E6	405.7E6	55.691	53.942
12)	B 4,4'-DDE	6.166	5.303	208.1E6	387.7E6	56.117	59.983
13)	MA Dieldrin	6.315	5.433	229.4E6	407.2E6	54.252	59.718
14)	MA Endrin	6.542	5.707	144.5E6	290.3E6	46.452	47.619
15)	B Endosulfa...	6.754	6.000	185.8E6	339.9E6	53.553	57.972
16)	A 4,4'-DDD	6.674	5.855	179.4E6	355.0E6	61.624	69.212
17)	MA 4,4'-DDT	6.989	6.107	128.4E6	249.5E6	42.291	43.497
18)	B Endrin al...	6.881	6.178	139.9E6	258.6E6	62.596m	58.059
19)	B Endosulfa...	7.117	6.401	162.3E6	314.9E6	53.061	55.987
20)	A Methoxychlor	7.461	6.680	62530226	120.7E6	39.692	39.740
21)	B Endrin ke...	7.596	6.905	179.9E6	351.4E6	54.474	56.207
22)	Mirex	8.075	7.096	129.3E6	229.2E6	46.466	46.142

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:37
Operator : AR\AJ
Sample : PB168984BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

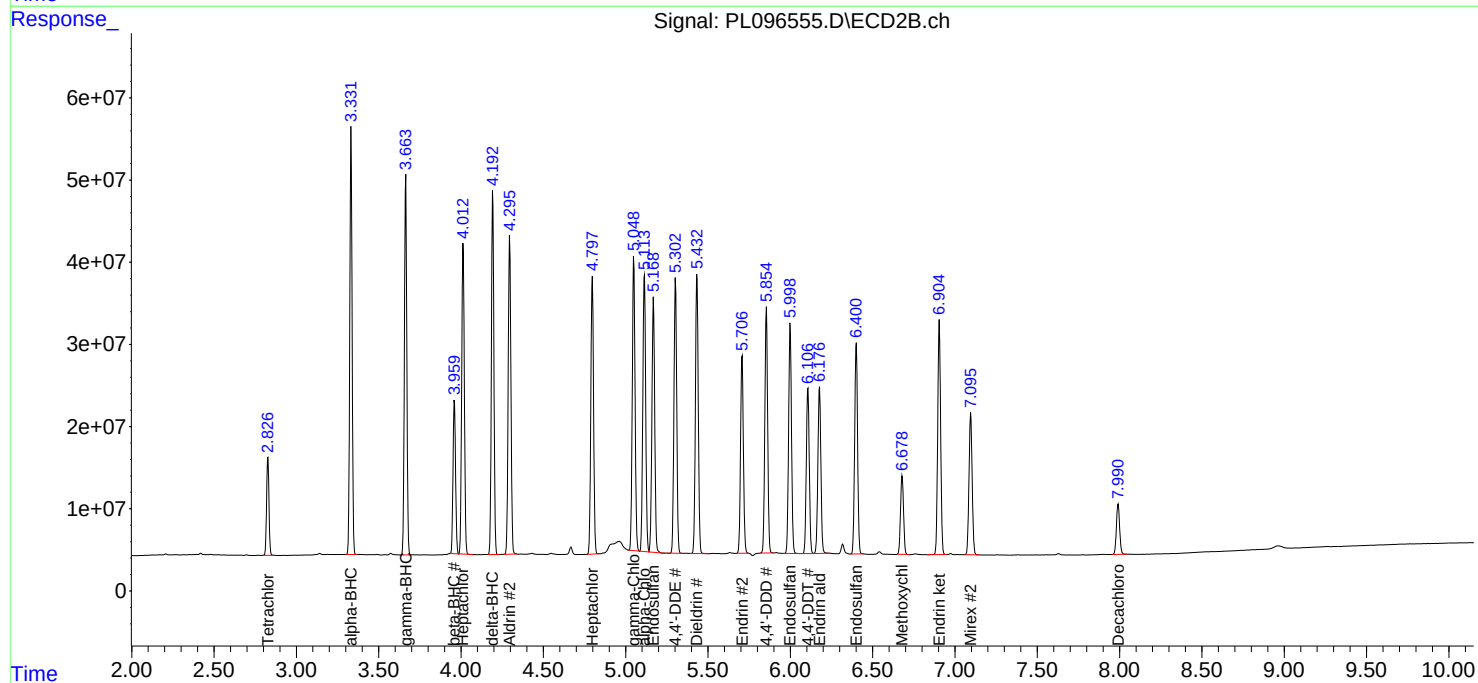
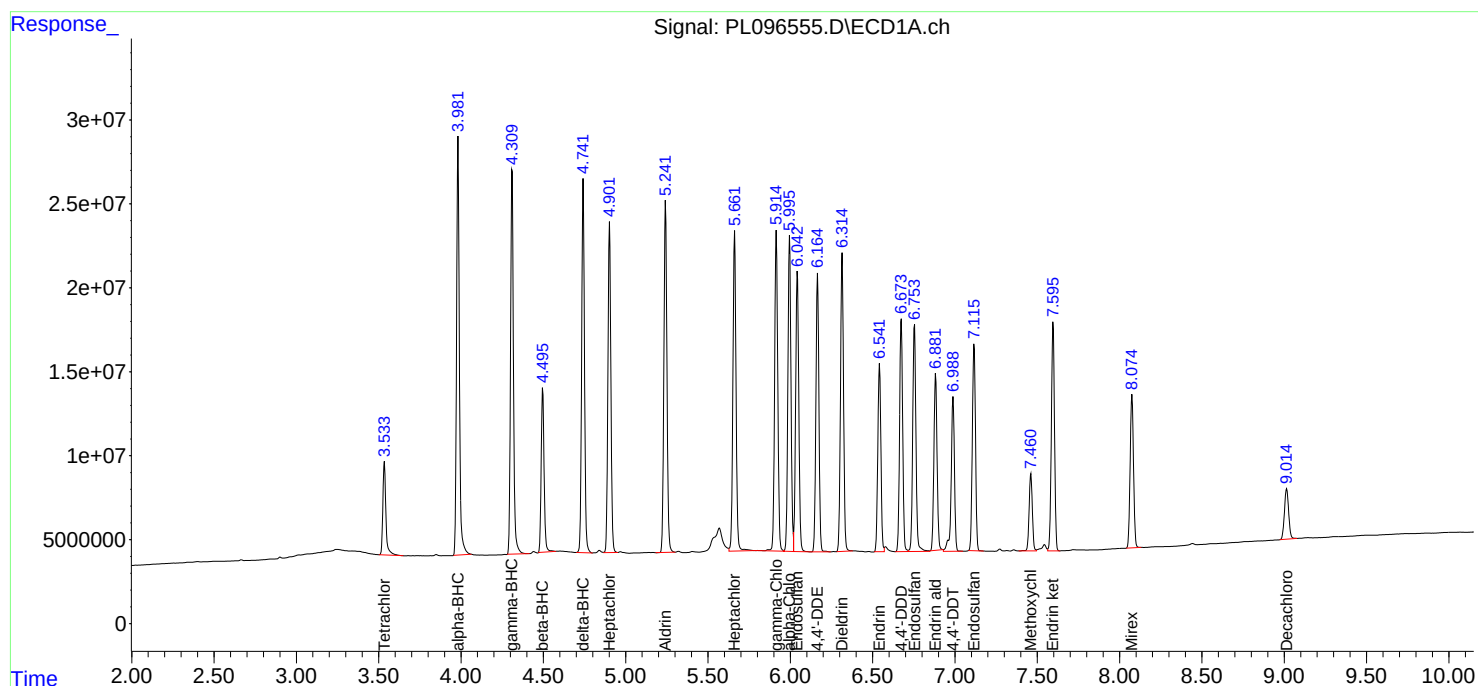
Instrument :
ECD_L
ClientSampleId :
PB168984BS

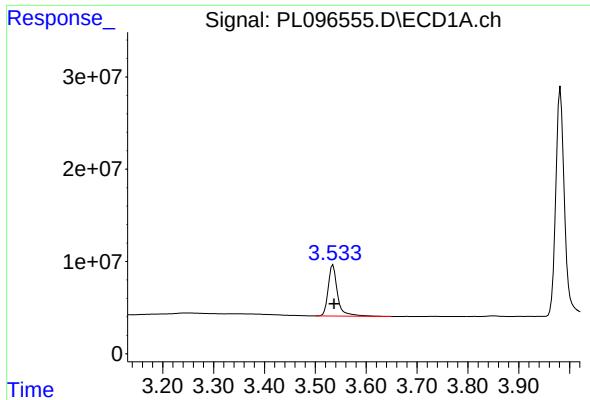
Manual Integrations
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Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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 x0.25µm





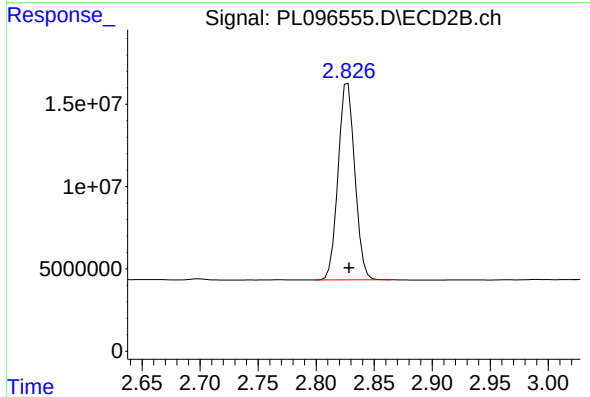
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 70699130
Conc: 19.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

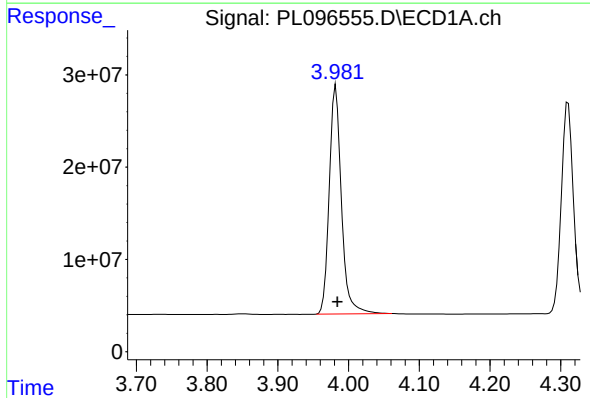
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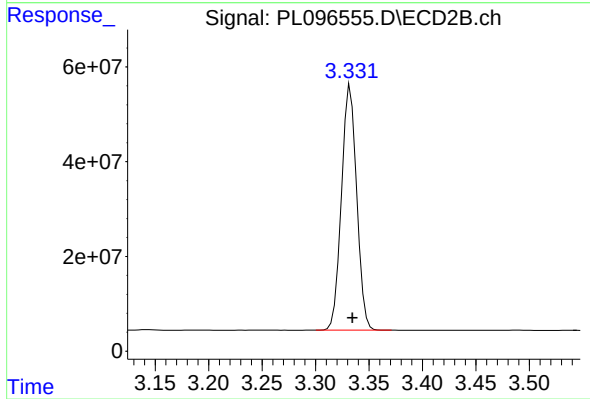
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 119645500
Conc: 20.73 ng/ml



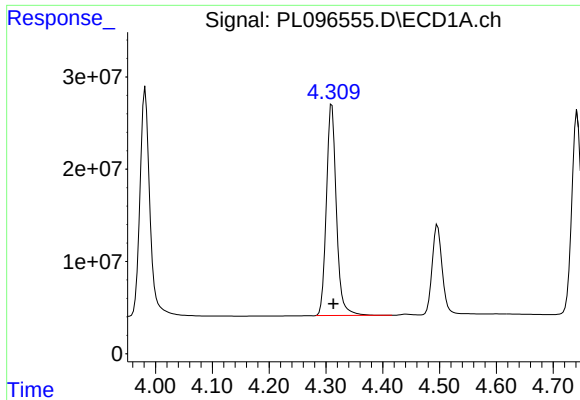
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 296333852
Conc: 57.62 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 513022412
Conc: 60.83 ng/ml



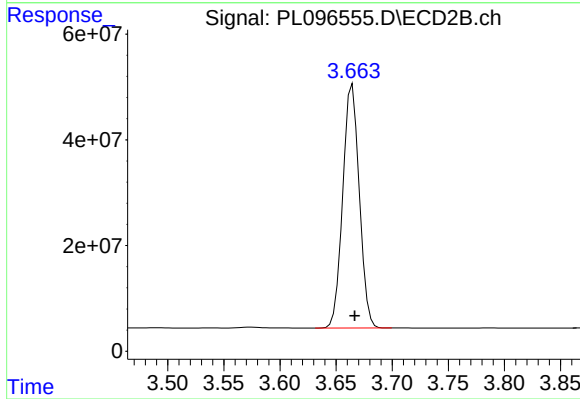
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 280890168
Conc: 56.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

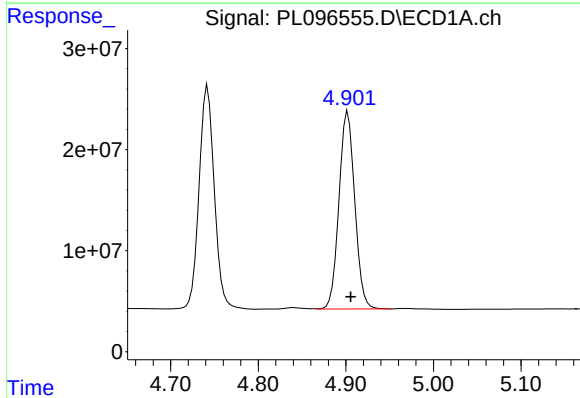
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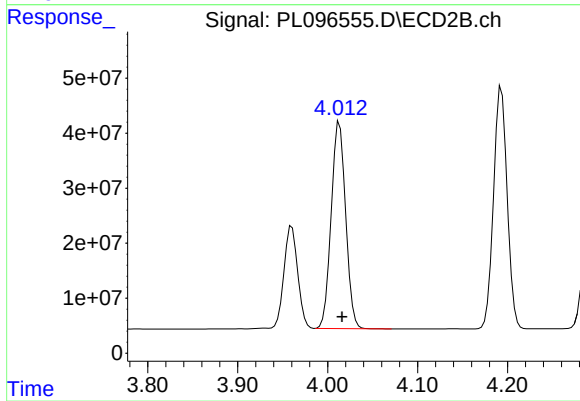
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 472552389
Conc: 60.00 ng/ml



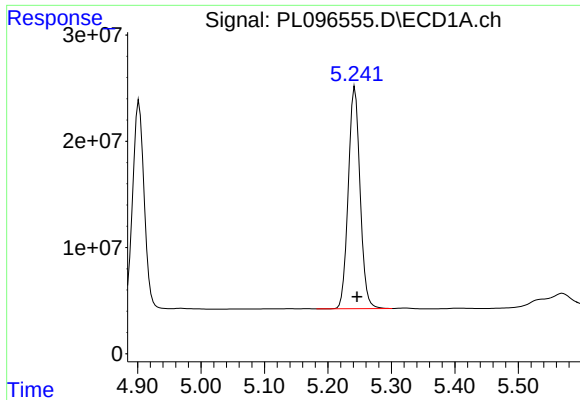
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: -0.003 min
Response: 244950541
Conc: 53.47 ng/ml



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.003 min
Response: 419908960
Conc: 55.19 ng/ml



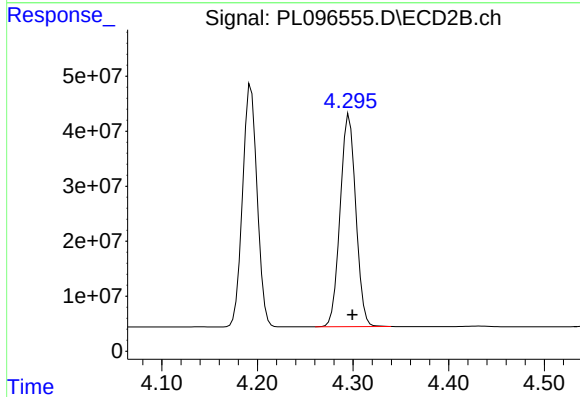
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 270028075
Conc: 55.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

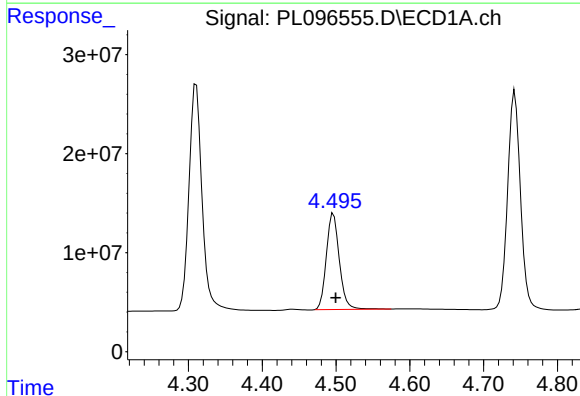
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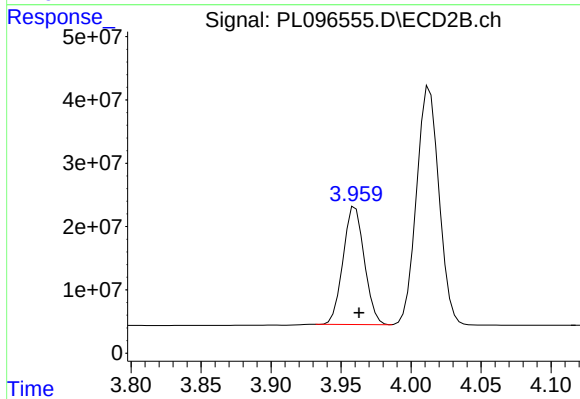
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.003 min
Response: 440388653
Conc: 60.36 ng/ml



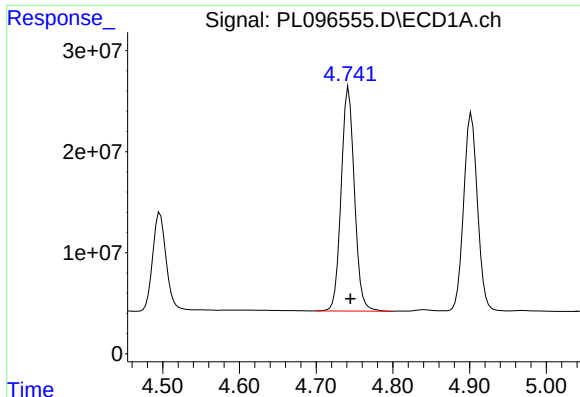
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 118651535
Conc: 57.08 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 196677126
Conc: 57.44 ng/ml



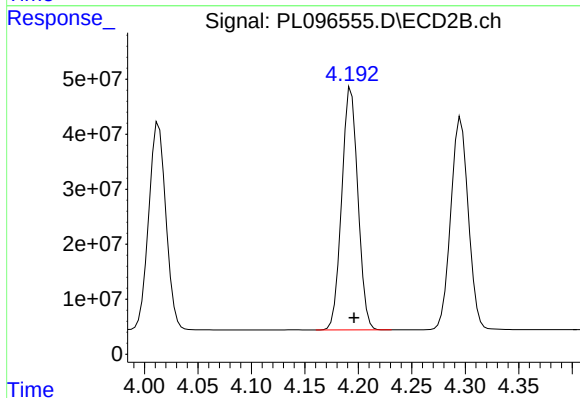
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: -0.002 min
Response: 266800241
Conc: 59.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

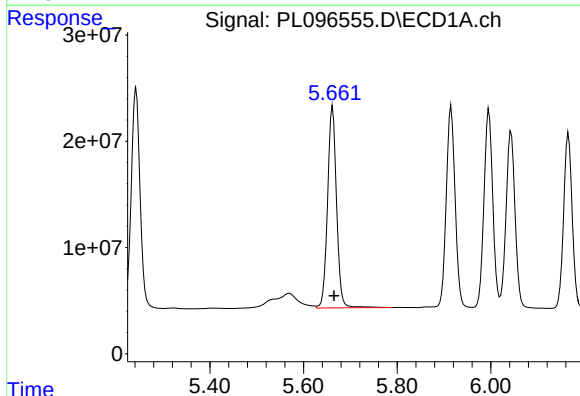
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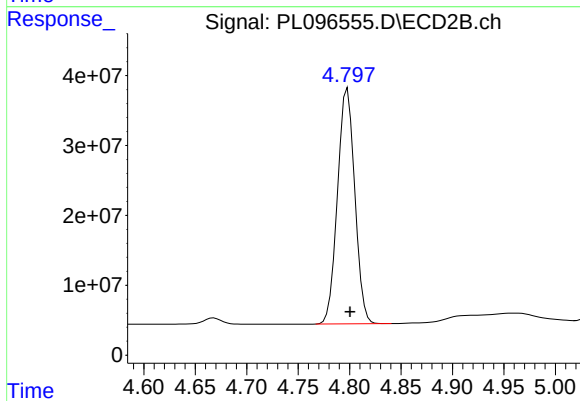
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 464183494
Conc: 60.27 ng/ml



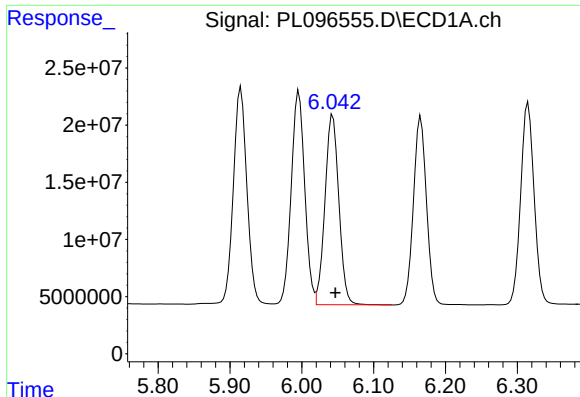
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 252772959
Conc: 60.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.002 min
Response: 394161954
Conc: 58.96 ng/ml



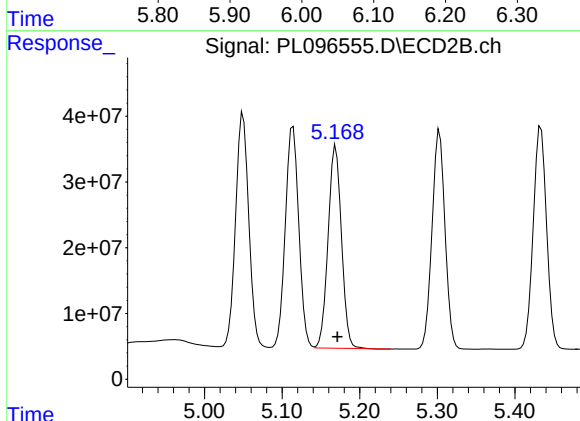
#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: -0.004 min
Response: 223278997
Conc: 55.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

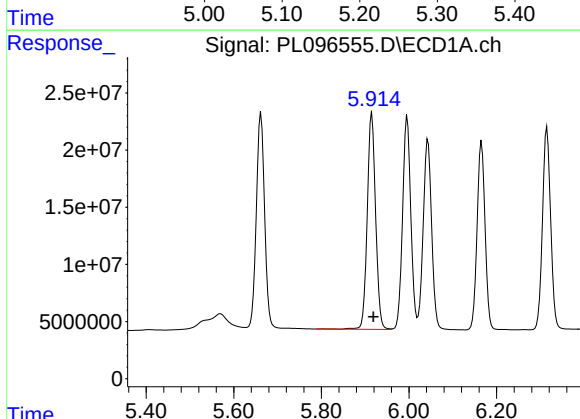
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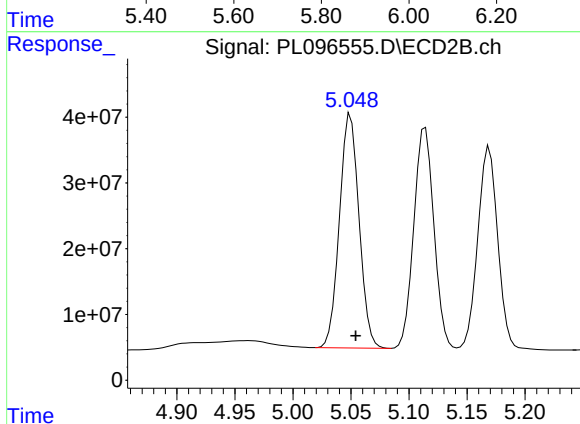
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.002 min
Response: 368039113
Conc: 51.30 ng/ml



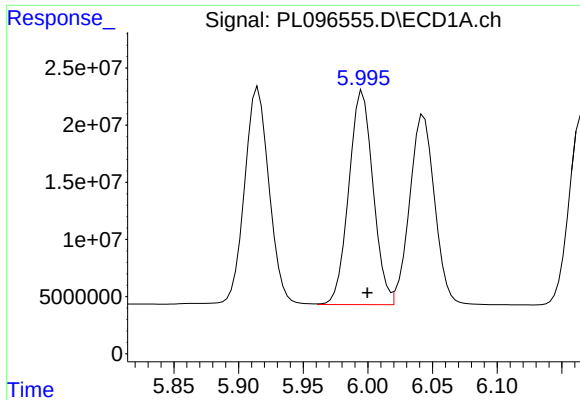
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 251736114
Conc: 56.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.005 min
Response: 418765997
Conc: 59.66 ng/ml



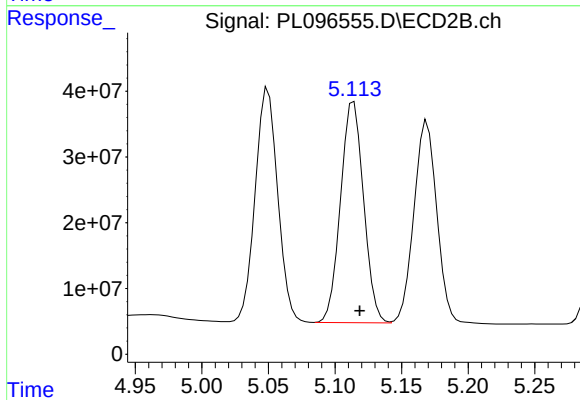
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: -0.004 min
Response: 243864571
Conc: 55.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

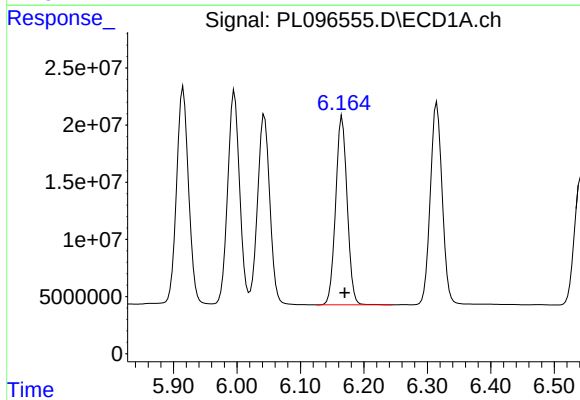
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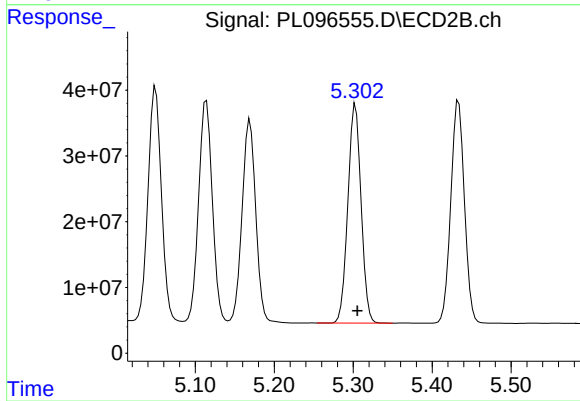
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 405659907
Conc: 53.94 ng/ml



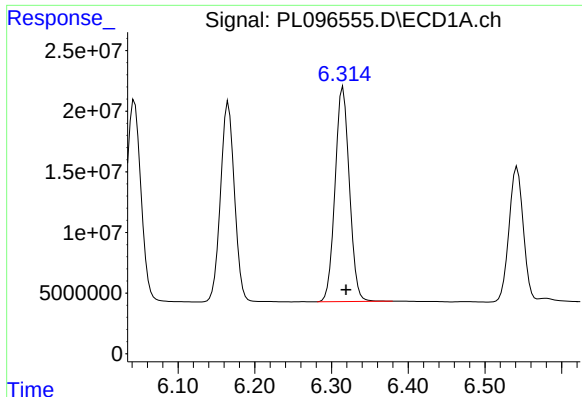
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 208053591
Conc: 56.12 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 387713234
Conc: 59.98 ng/ml



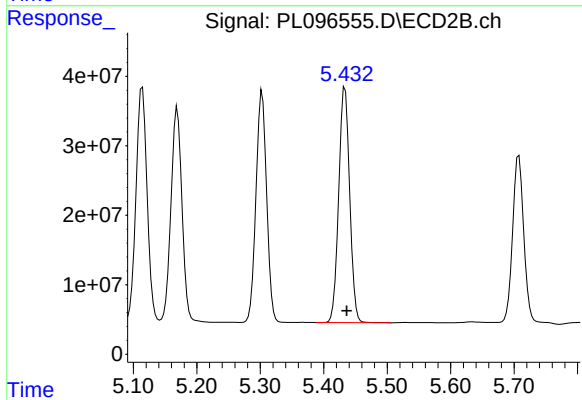
#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.004 min
Response: 229399604
Conc: 54.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

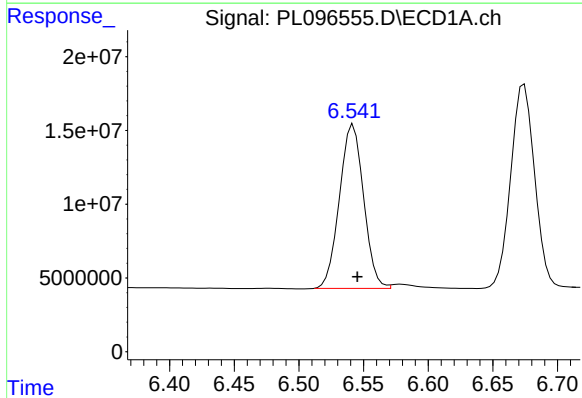
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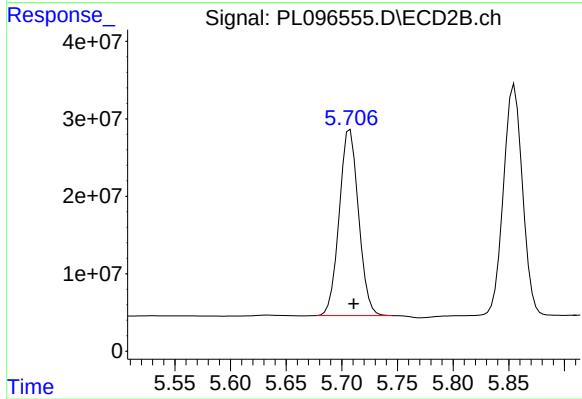
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 407228915
Conc: 59.72 ng/ml



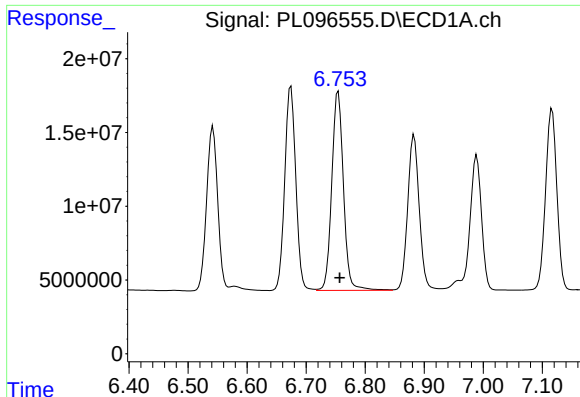
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 144474830
Conc: 46.45 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.003 min
Response: 290311417
Conc: 47.62 ng/ml



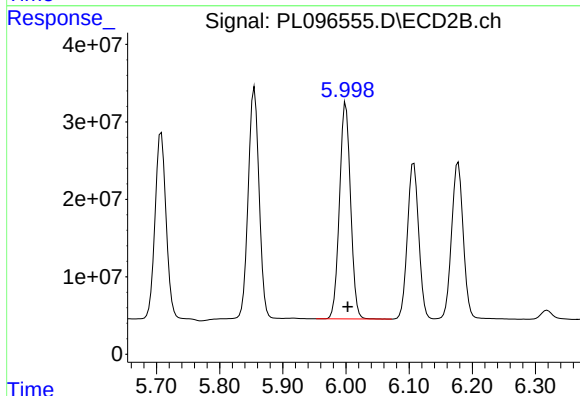
#15 Endosulfan II

R.T.: 6.754 min
Delta R.T.: -0.003 min
Response: 185832363
Conc: 53.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

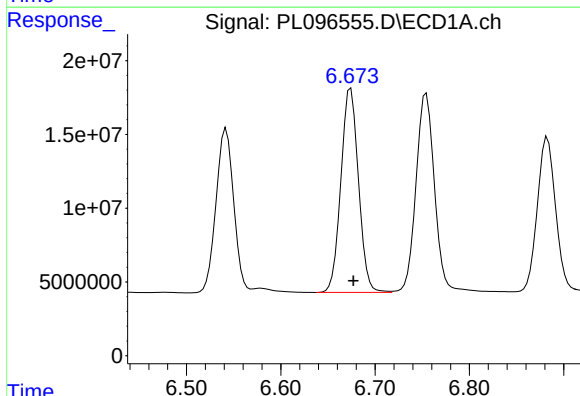
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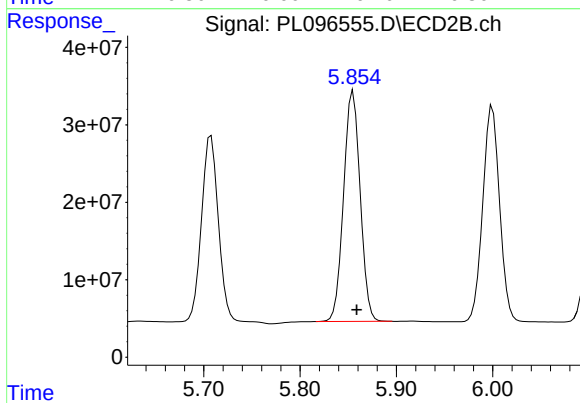
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 339938746
Conc: 57.97 ng/ml



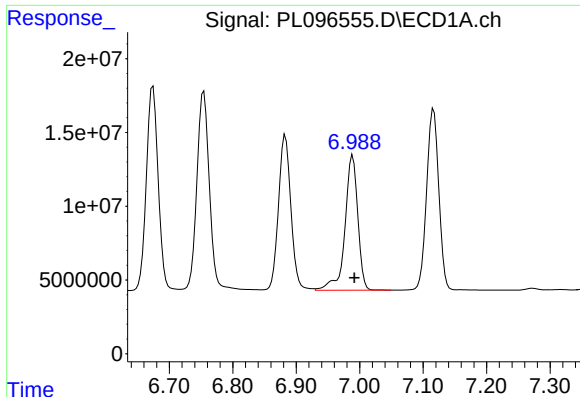
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 179431060
Conc: 61.62 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 354969461
Conc: 69.21 ng/ml



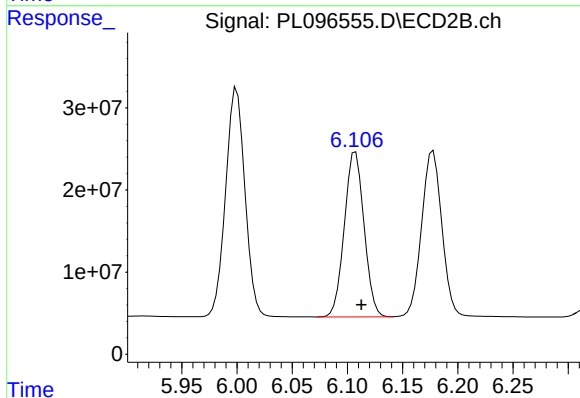
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 128362948
Conc: 42.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

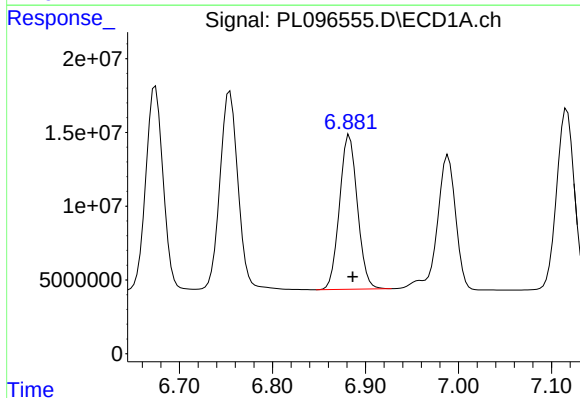
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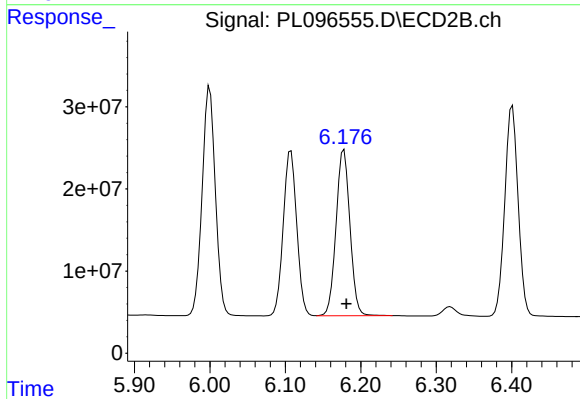
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 249463494
Conc: 43.50 ng/ml



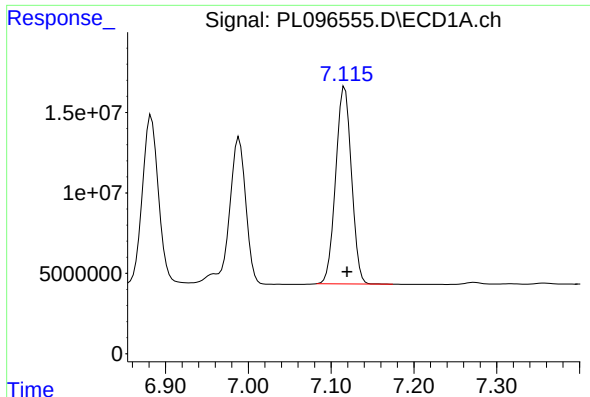
#18 Endrin aldehyde

R.T.: 6.881 min
Delta R.T.: -0.005 min
Response: 139936104
Conc: 62.60 ng/ml m



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 258628250
Conc: 58.06 ng/ml



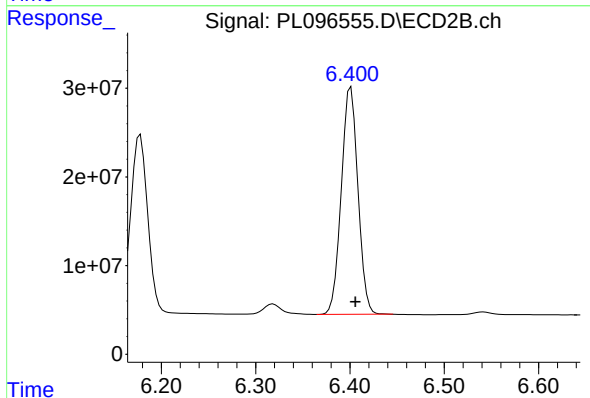
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: -0.003 min
Response: 162303587
Conc: 53.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

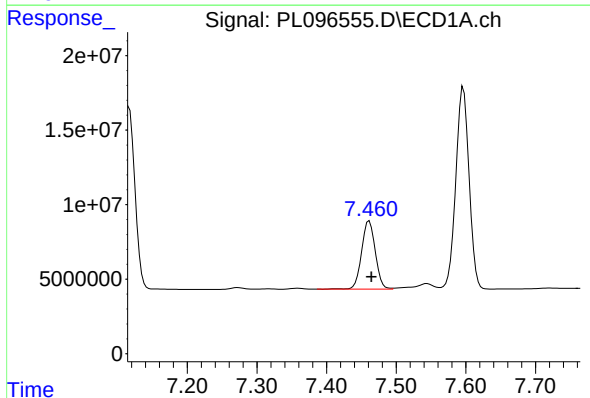
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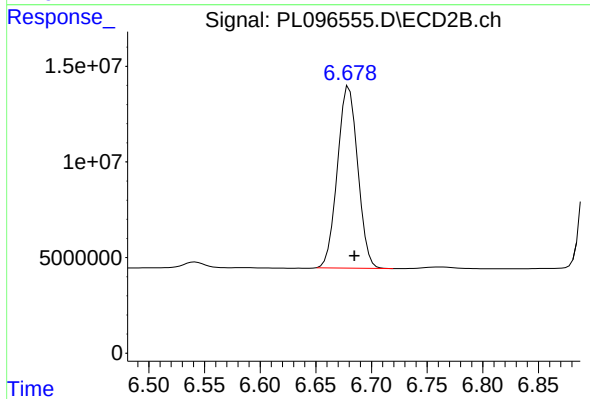
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.005 min
Response: 314893987
Conc: 55.99 ng/ml



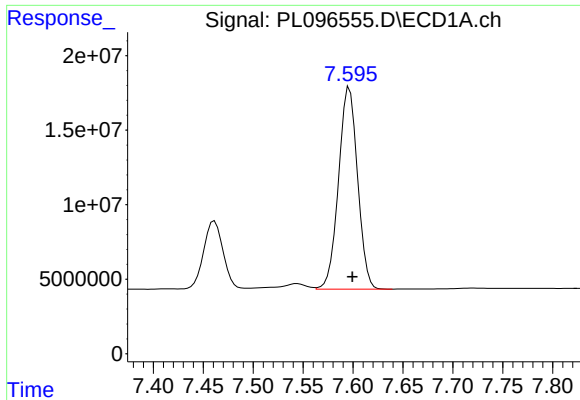
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.003 min
Response: 62530226
Conc: 39.69 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.005 min
Response: 120720027
Conc: 39.74 ng/ml



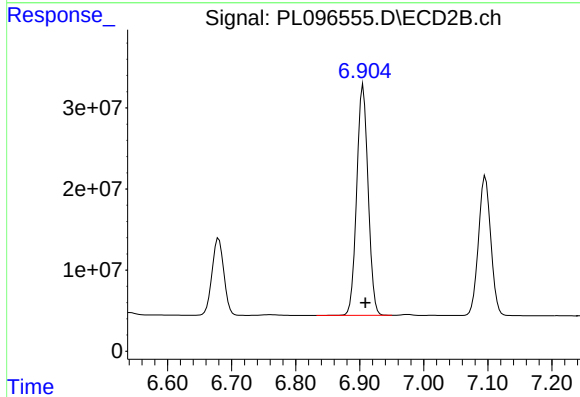
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 179851937
Conc: 54.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

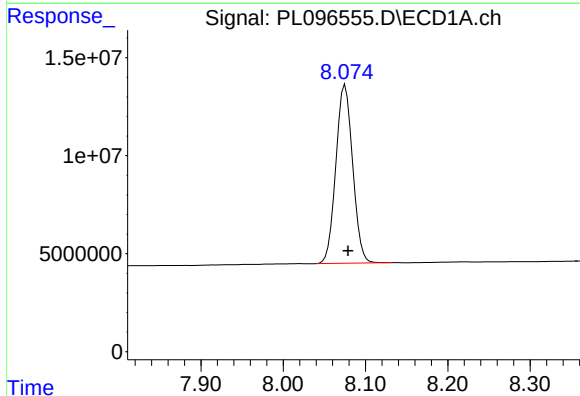
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



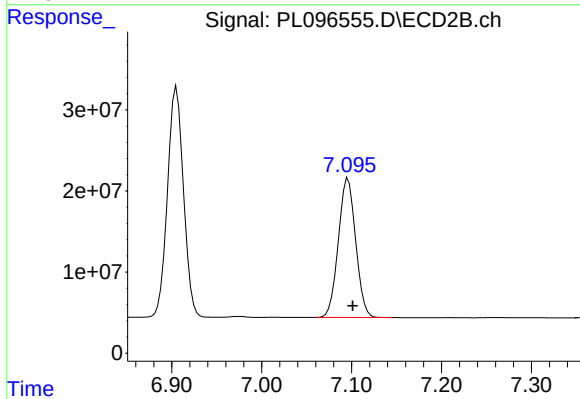
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.004 min
Response: 351420321
Conc: 56.21 ng/ml



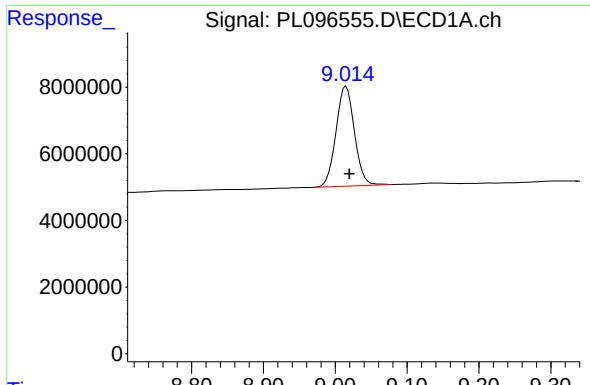
#22 Mirex

R.T.: 8.075 min
Delta R.T.: -0.003 min
Response: 129278247
Conc: 46.47 ng/ml



#22 Mirex

R.T.: 7.096 min
Delta R.T.: -0.005 min
Response: 229243928
Conc: 46.14 ng/ml



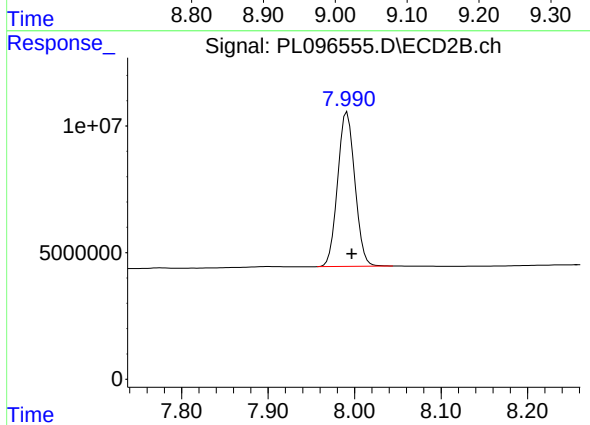
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 53333178
Conc: 18.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

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#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 83924263
Conc: 16.83 ng/ml