

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052825\
 Data File : PL095812.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 May 2025 14:45
 Operator : AR\AJ
 Sample : PB168180BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168180BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/29/2025
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 29 02:22:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.575	2.881	71251253	83889571	22.582	21.434
28)	SA Decachlor...	9.103	8.059	54647541	102.5E6	23.192	23.425
Target Compounds							
2)	A alpha-BHC	4.027	3.392	258.4E6	309.2E6	53.308	52.793
3)	MA gamma-BHC...	4.359	3.725	238.1E6	296.0E6	53.254	52.840
4)	MA Heptachlor	4.956	4.078	203.0E6	291.6E6	53.632	51.979
5)	MB Aldrin	5.299	4.363	232.2E6	283.9E6	54.289	53.493
6)	B beta-BHC	4.546	4.021	103.8E6	125.2E6	52.675	50.535
7)	B delta-BHC	4.794	4.256	222.8E6	283.2E6	50.263	50.143
8)	B Heptachlo...	5.720	4.866	207.0E6	261.4E6	54.243	52.948
9)	A Endosulfan I	6.104	5.238	197.8E6	254.7E6	53.980	53.458
10)	B gamma-Chl...	5.975	5.117	213.8E6	281.3E6	54.935	53.563
11)	B alpha-Chl...	6.056	5.182	213.3E6	277.3E6	54.014	53.301
12)	B 4,4'-DDE	6.226	5.369	202.1E6	276.5E6	55.091	51.564
13)	MA Dieldrin	6.377	5.503	212.2E6	280.4E6	54.995	52.904
14)	MA Endrin	6.604	5.778	167.0E6	230.4E6	51.763	47.252
15)	B Endosulfa...	6.817	6.068	181.2E6	252.4E6	52.594	53.109
16)	A 4,4'-DDD	6.735	5.922	160.7E6	241.2E6	54.849	55.017
17)	MA 4,4'-DDT	7.051	6.175	140.0E6	223.1E6	51.754	46.654
18)	B Endrin al...	6.946	6.246	130.3E6	188.8E6	53.912	54.643
19)	B Endosulfa...	7.180	6.470	157.0E6	238.3E6	52.550	53.014
20)	A Methoxychlor	7.524	6.745	67650936	126.2E6	53.046	48.228
21)	B Endrin ke...	7.661	6.975	174.9E6	282.6E6	55.229	54.614
22)	Mirex	8.142	7.167	126.3E6	216.6E6	54.599	53.334m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052825\
Data File : PL095812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 May 2025 14:45
Operator : AR\AJ
Sample : PB168180BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168180BS

Manual Integrations

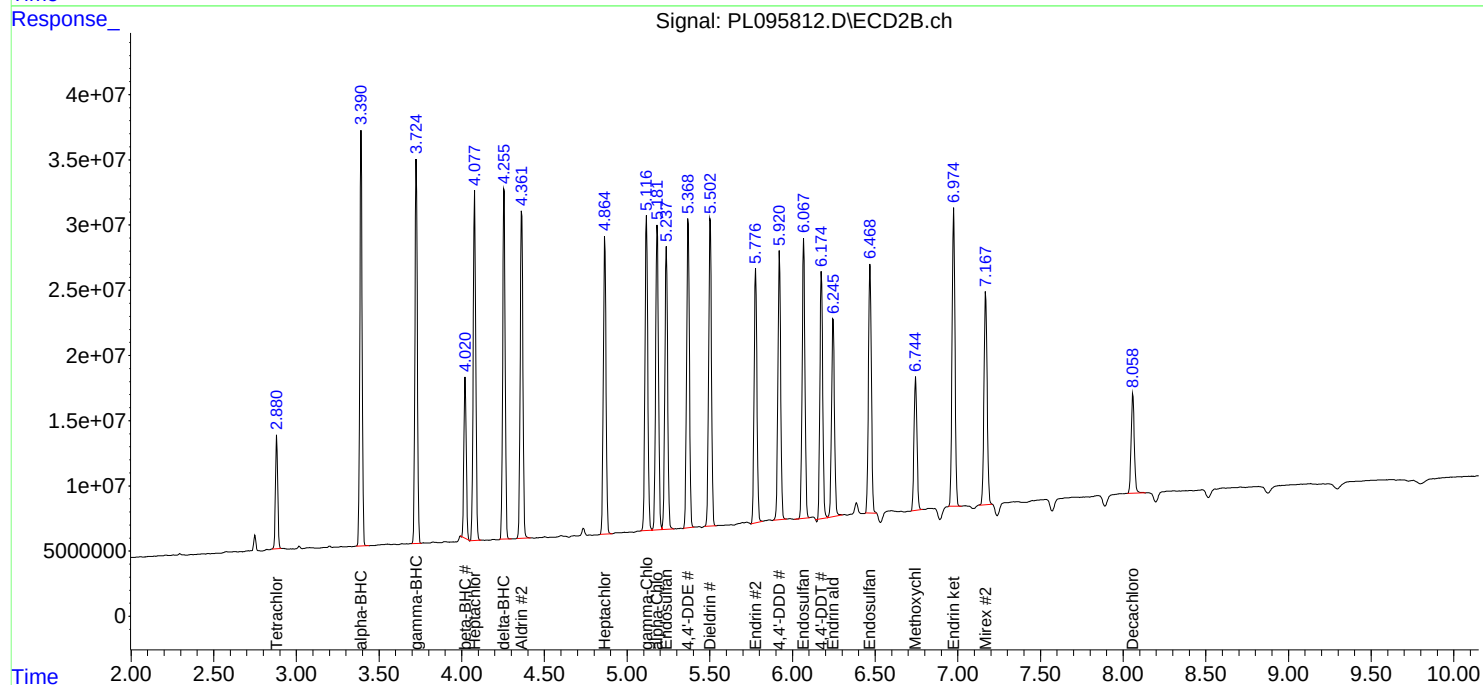
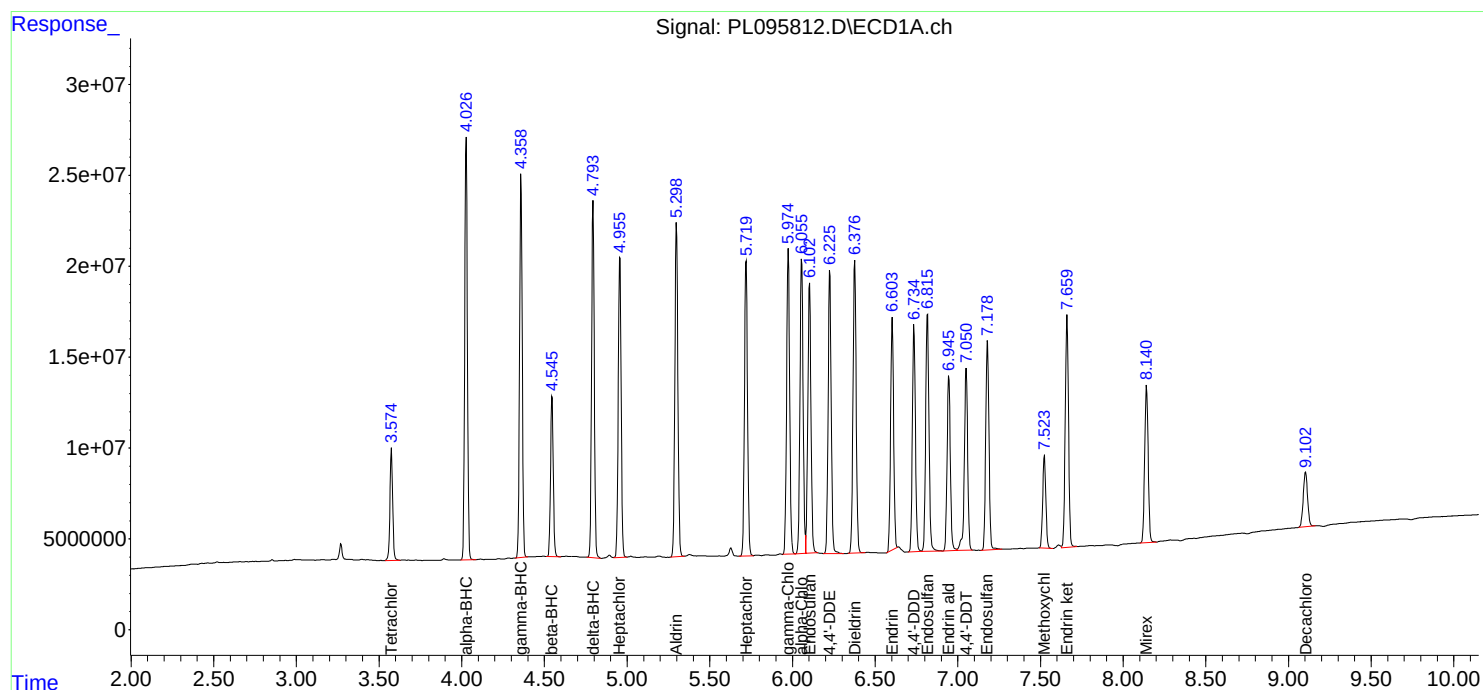
APPROVED

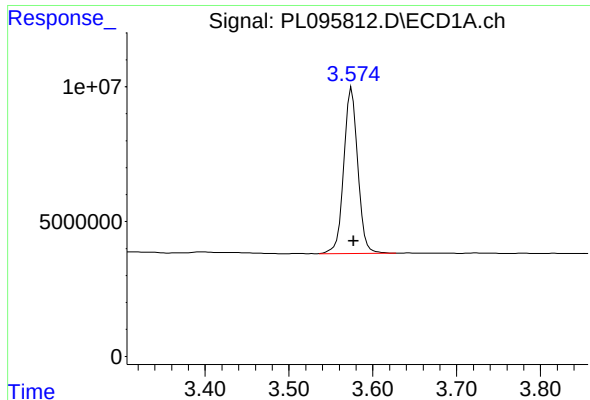
Reviewed By :Abdul Mirza 05/29/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 29 02:22:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





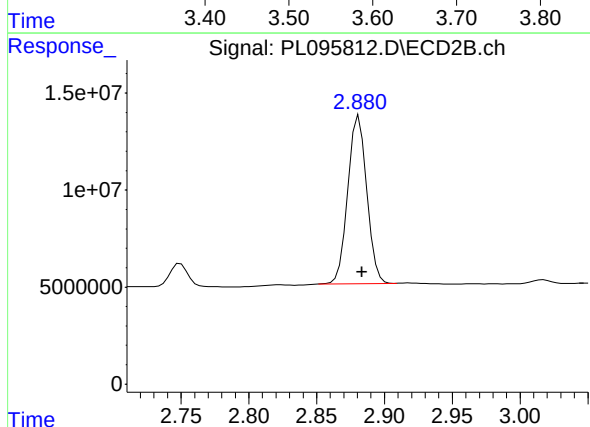
#1 Tetrachloro-m-xylene

R.T.: 3.575 min
Delta R.T.: -0.002 min
Response: 71251253
Conc: 22.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

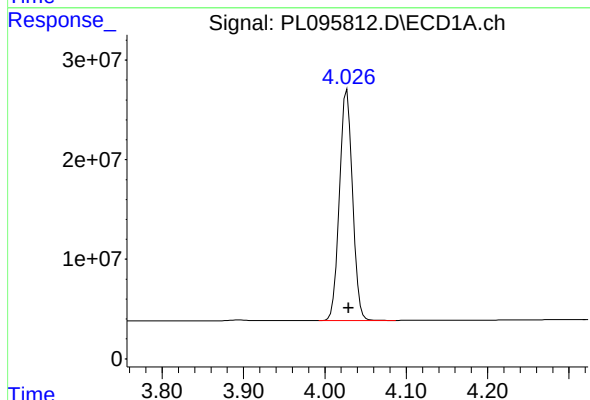
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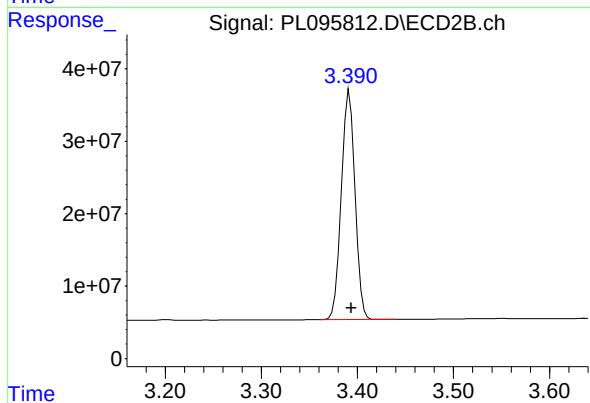
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 83889571
Conc: 21.43 ng/ml



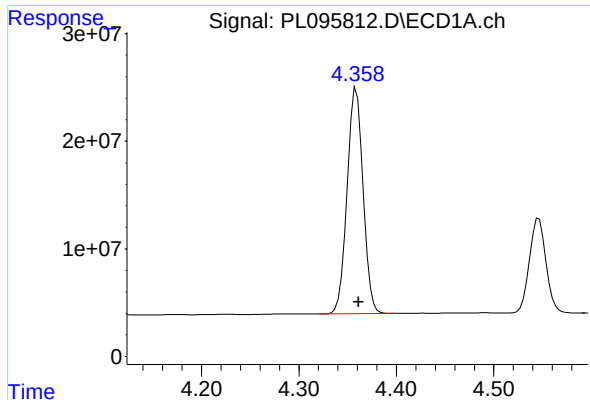
#2 alpha-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 258431598
Conc: 53.31 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 309224871
Conc: 52.79 ng/ml



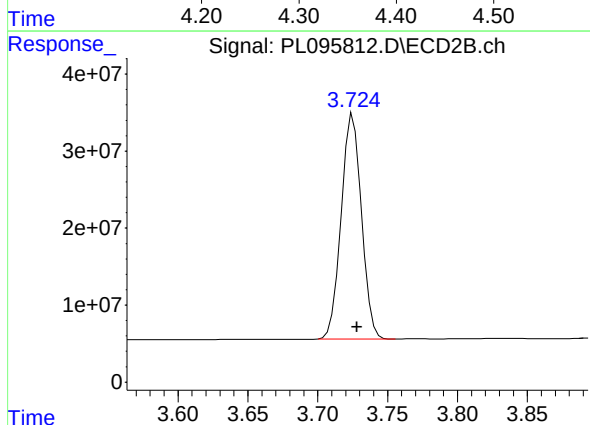
#3 gamma-BHC (Lindane)

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 238143429
Conc: 53.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

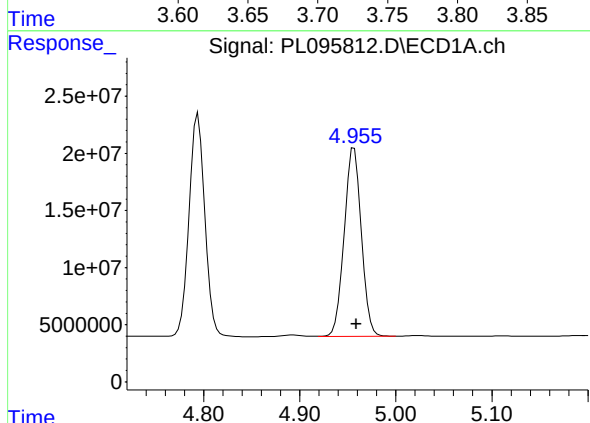
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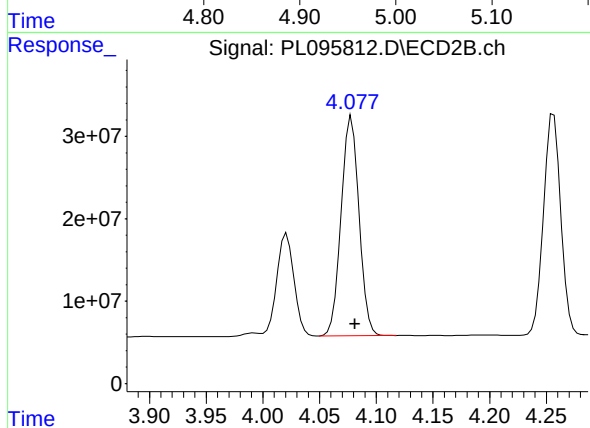
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.003 min
Response: 295966042
Conc: 52.84 ng/ml



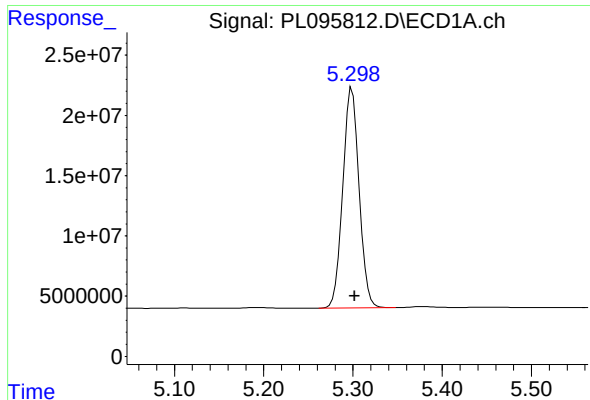
#4 Heptachlor

R.T.: 4.956 min
Delta R.T.: -0.002 min
Response: 202998983
Conc: 53.63 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.003 min
Response: 291555898
Conc: 51.98 ng/ml



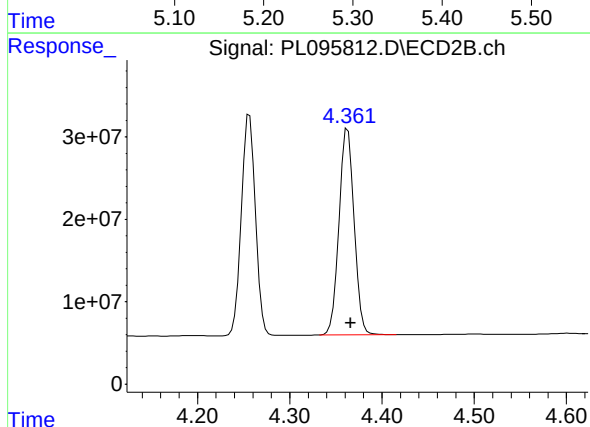
#5 Aldrin

R.T.: 5.299 min
Delta R.T.: -0.003 min
Response: 232235185
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

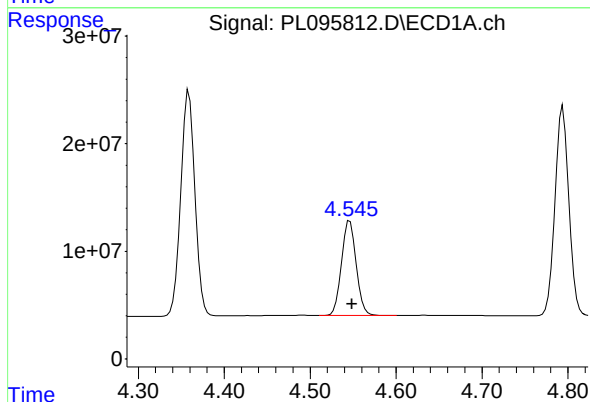
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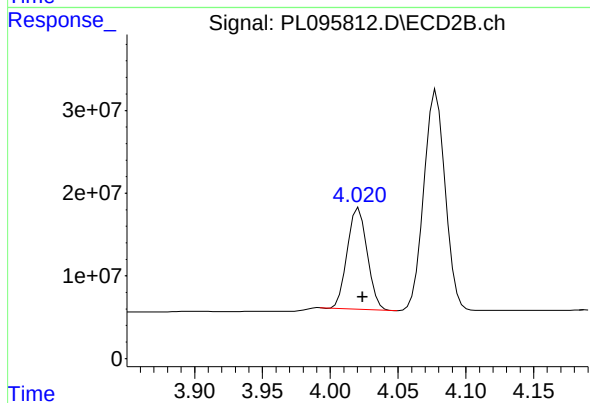
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.003 min
Response: 283890680
Conc: 53.49 ng/ml



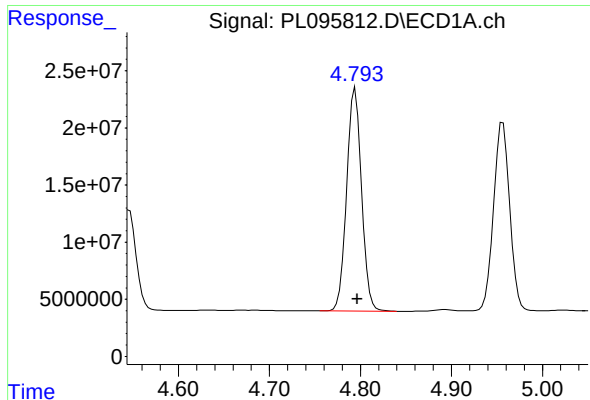
#6 beta-BHC

R.T.: 4.546 min
Delta R.T.: -0.002 min
Response: 103842172
Conc: 52.68 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.003 min
Response: 125203537
Conc: 50.54 ng/ml



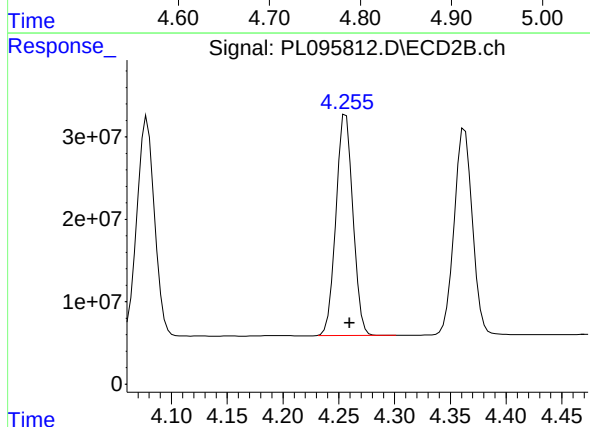
#7 delta-BHC

R.T.: 4.794 min
Delta R.T.: -0.002 min
Response: 222844400
Conc: 50.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

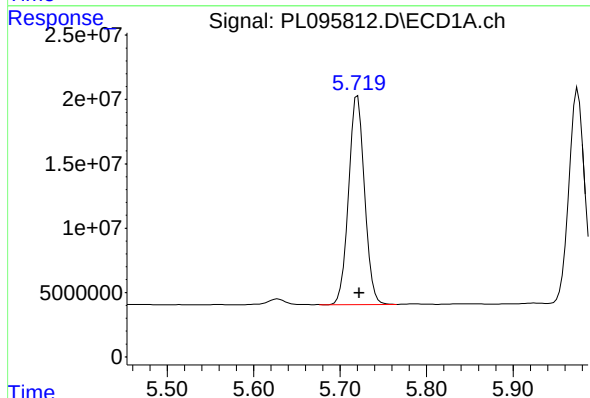
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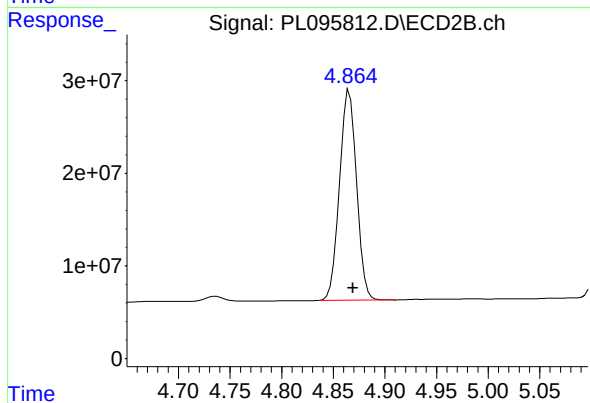
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.003 min
Response: 283176701
Conc: 50.14 ng/ml



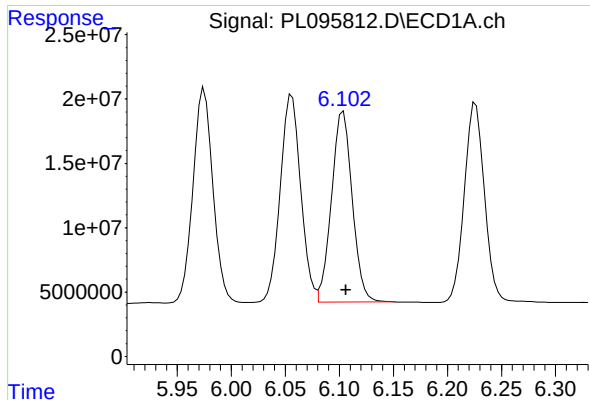
#8 Heptachlor epoxide

R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 207038979
Conc: 54.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: -0.004 min
Response: 261428996
Conc: 52.95 ng/ml



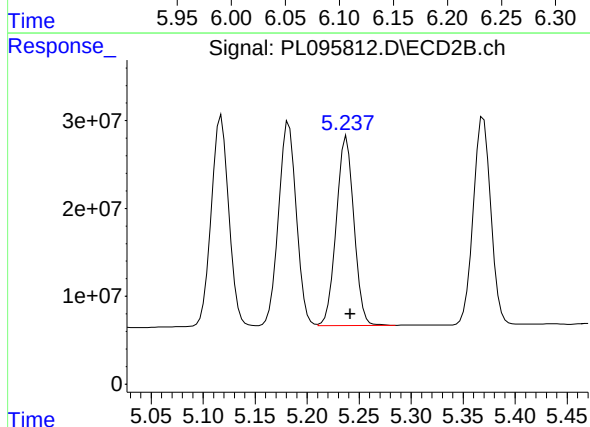
#9 Endosulfan I

R.T.: 6.104 min
Delta R.T.: -0.002 min
Response: 197827403
Conc: 53.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

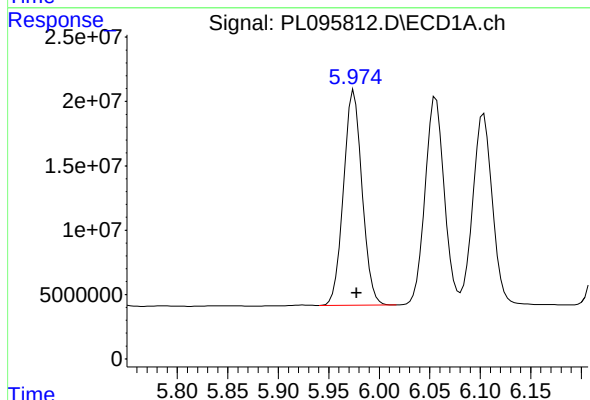
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Supervised By :mohammad ahmed 05/30/2025



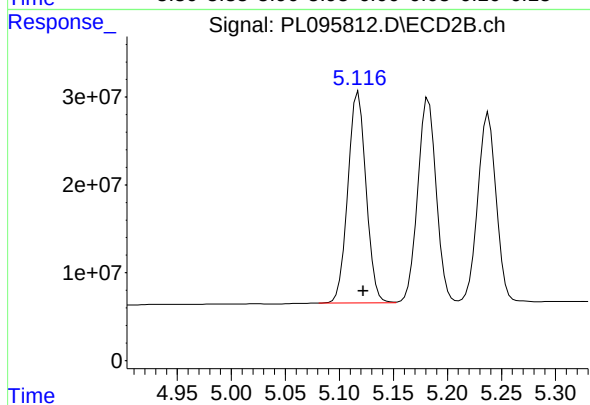
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.004 min
Response: 254723679
Conc: 53.46 ng/ml



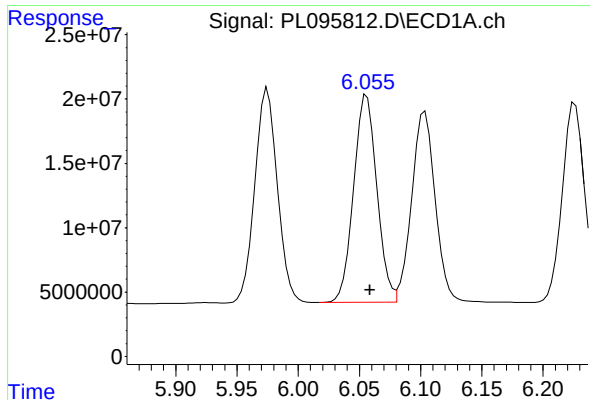
#10 gamma-Chlordane

R.T.: 5.975 min
Delta R.T.: -0.003 min
Response: 213812492
Conc: 54.94 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.004 min
Response: 281348353
Conc: 53.56 ng/ml



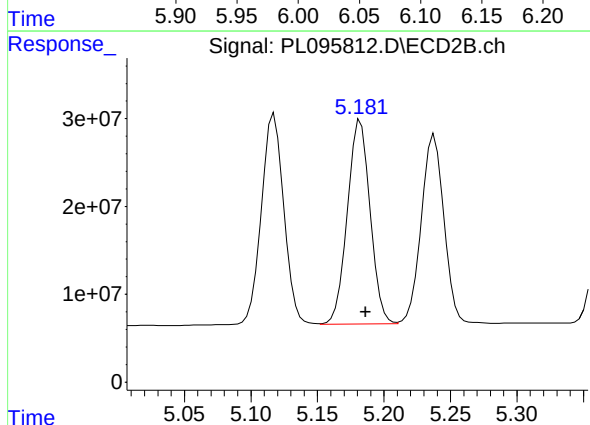
#11 alpha-Chlordane

R.T.: 6.056 min
Delta R.T.: -0.003 min
Response: 213258249
Conc: 54.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

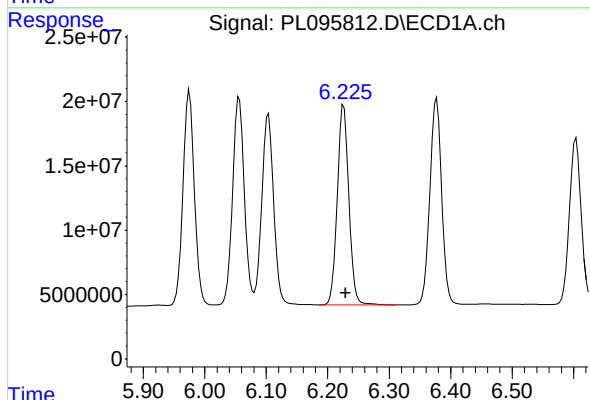
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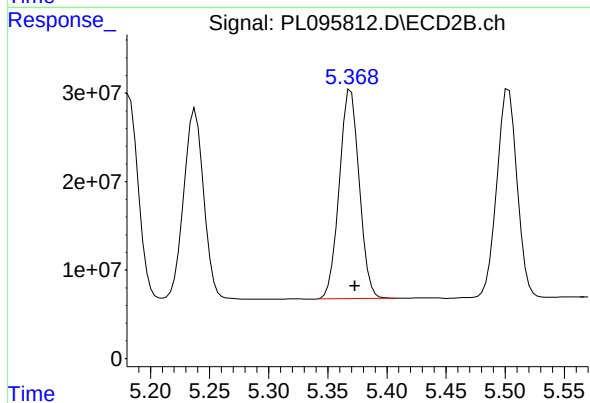
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 277313702
Conc: 53.30 ng/ml



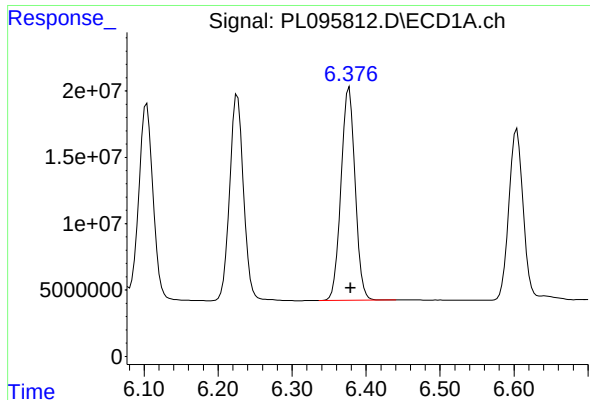
#12 4,4'-DDE

R.T.: 6.226 min
Delta R.T.: -0.003 min
Response: 202067597
Conc: 55.09 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.003 min
Response: 276495240
Conc: 51.56 ng/ml



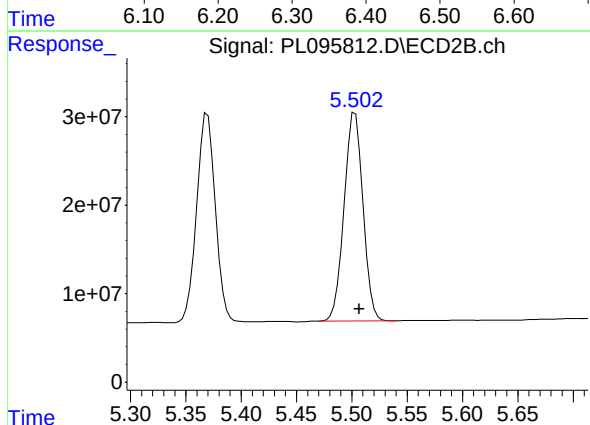
#13 Dieldrin

R.T.: 6.377 min
Delta R.T.: -0.002 min
Response: 212236460
Conc: 55.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

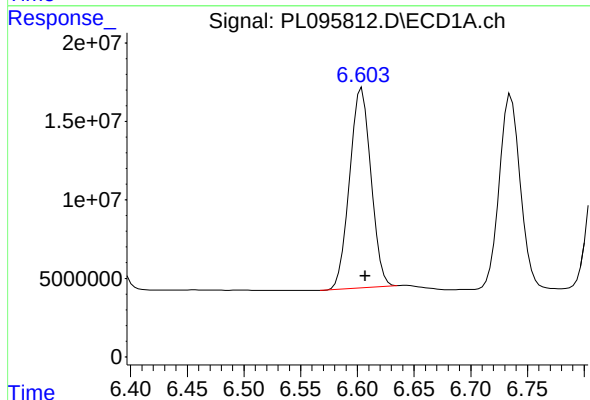
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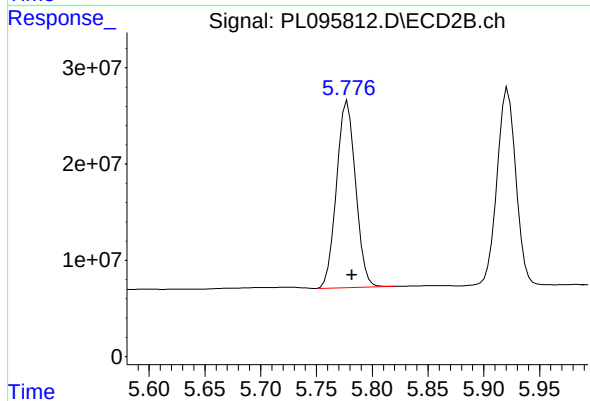
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 280396263
Conc: 52.90 ng/ml



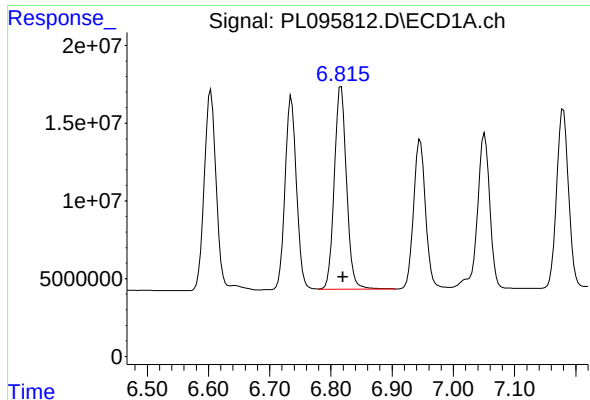
#14 Endrin

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 167026041
Conc: 51.76 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 230406439
Conc: 47.25 ng/ml



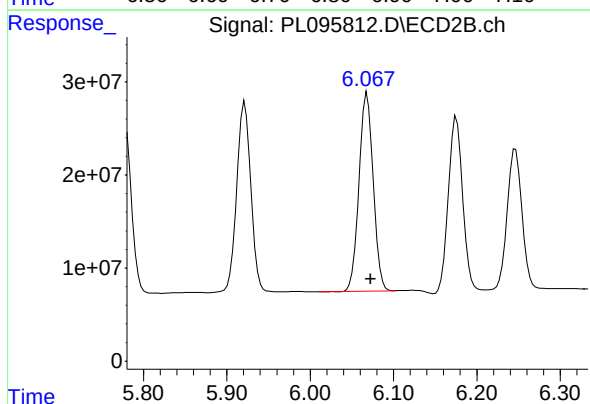
#15 Endosulfan II

R.T.: 6.817 min
Delta R.T.: -0.003 min
Response: 181240218
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

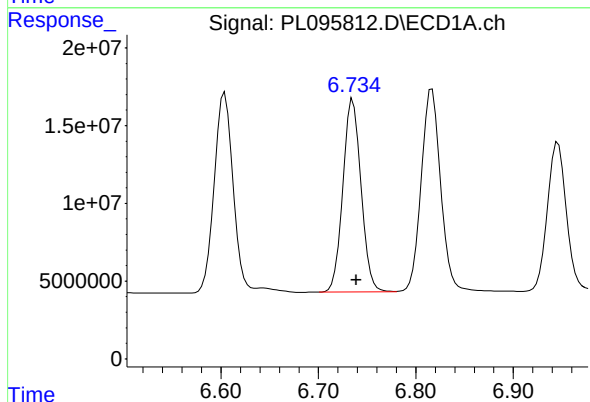
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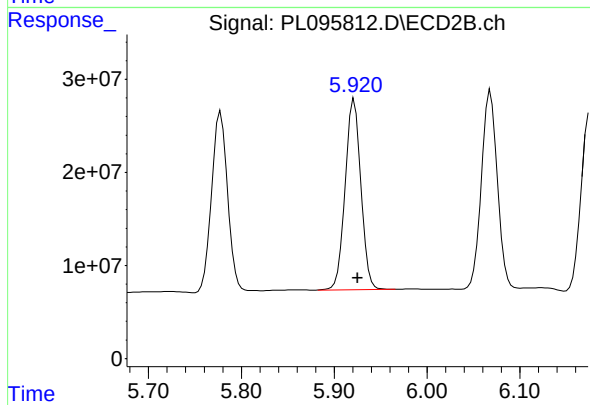
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 252361157
Conc: 53.11 ng/ml



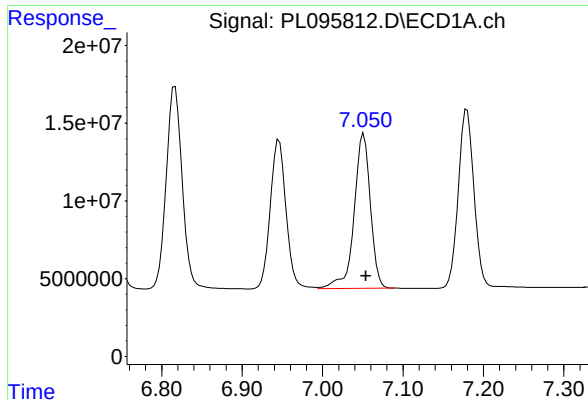
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.003 min
Response: 160739777
Conc: 54.85 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.004 min
Response: 241247584
Conc: 55.02 ng/ml



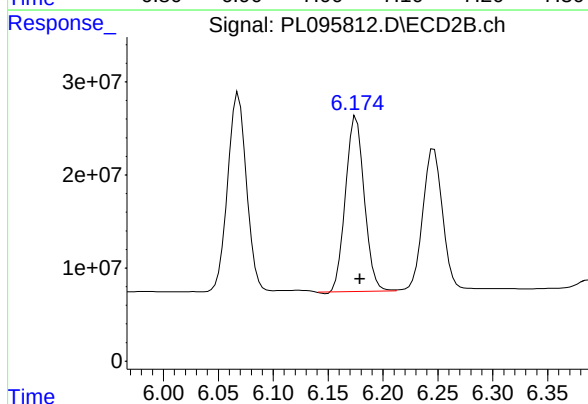
#17 4,4'-DDT

R.T.: 7.051 min
Delta R.T.: -0.003 min
Response: 140002437
Conc: 51.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

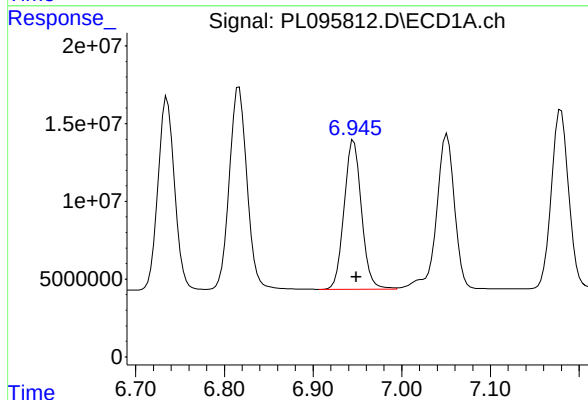
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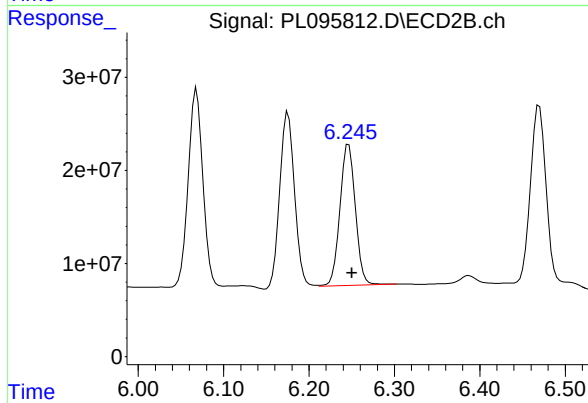
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 223125121
Conc: 46.65 ng/ml



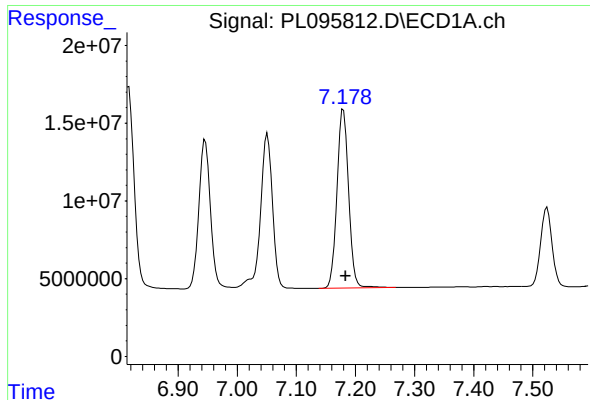
#18 Endrin aldehyde

R.T.: 6.946 min
Delta R.T.: -0.003 min
Response: 130338132
Conc: 53.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 188754106
Conc: 54.64 ng/ml



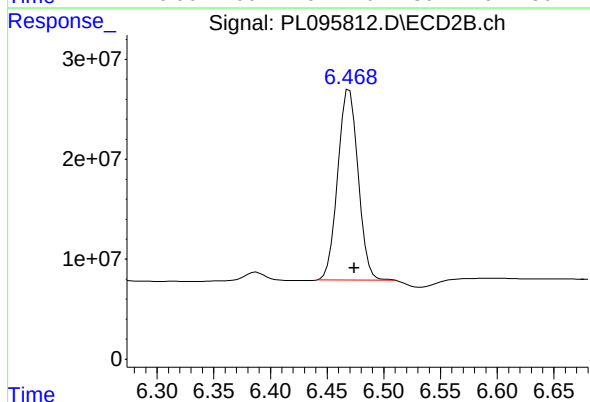
#19 Endosulfan Sulfate

R.T.: 7.180 min
Delta R.T.: -0.004 min
Response: 156961740
Conc: 52.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

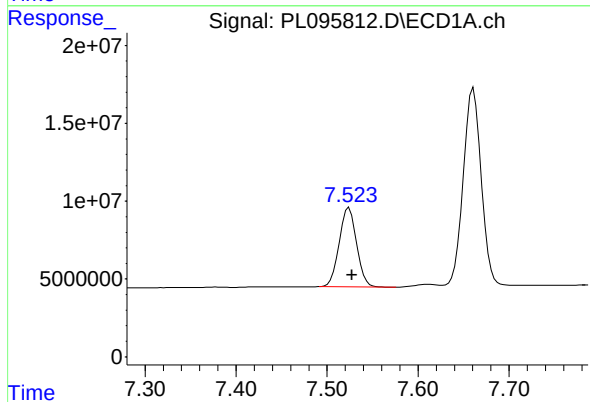
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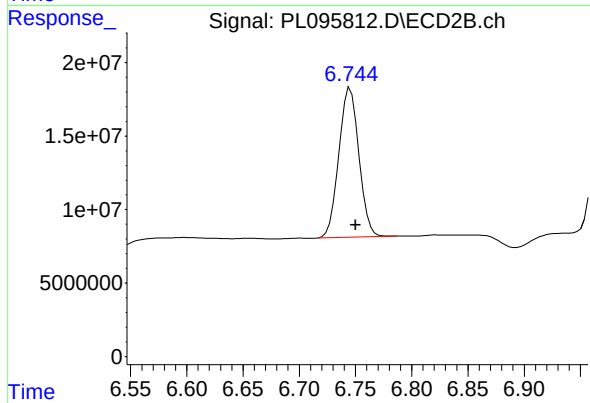
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.004 min
Response: 238284905
Conc: 53.01 ng/ml



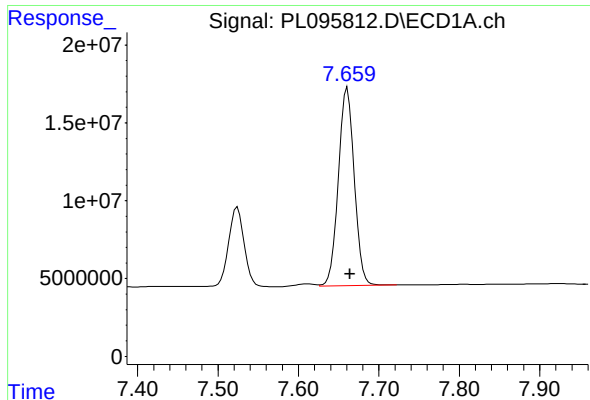
#20 Methoxychlor

R.T.: 7.524 min
Delta R.T.: -0.003 min
Response: 67650936
Conc: 53.05 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 126168718
Conc: 48.23 ng/ml



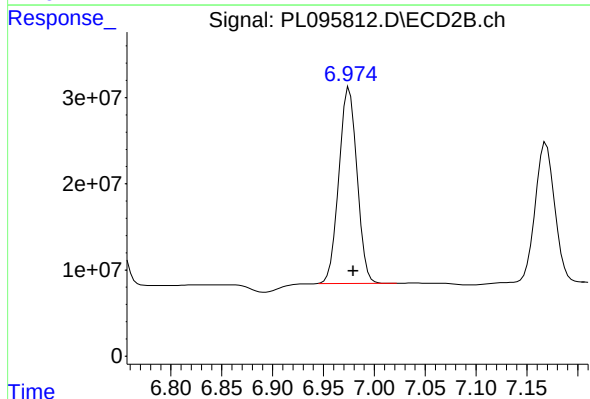
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: -0.003 min
Response: 174904675
Conc: 55.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

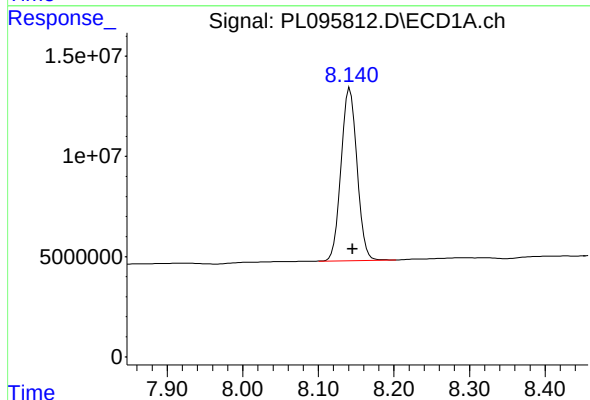
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/29/2025
Supervised By :mohammad ahmed 05/30/2025



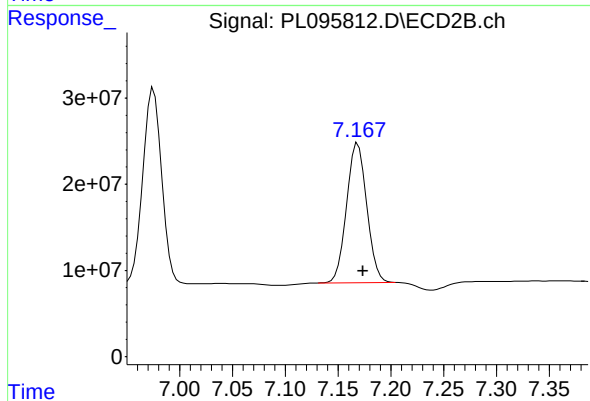
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 282563267
Conc: 54.61 ng/ml



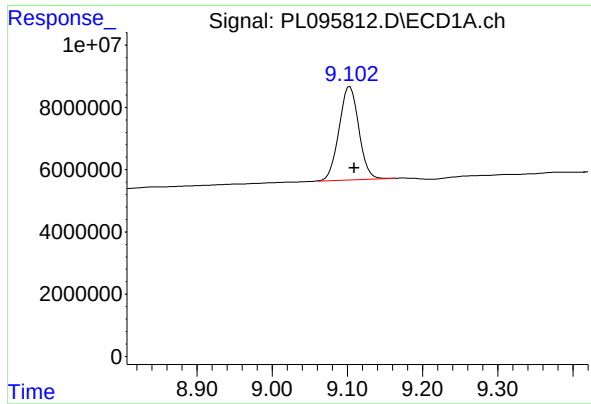
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.004 min
Response: 126330373
Conc: 54.60 ng/ml



#22 Mirex

R.T.: 7.167 min
Delta R.T.: -0.006 min
Response: 216563546
Conc: 53.33 ng/ml m



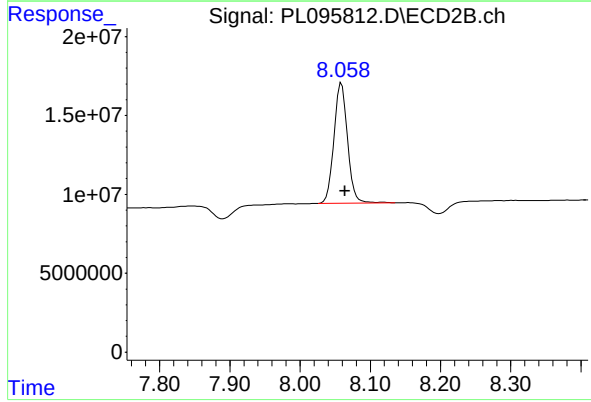
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 54647541
Conc: 23.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168180BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 102472882
Conc: 23.43 ng/ml