

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022825\
 Data File : PL094463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2025 15:14
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/03/2025
 Supervised By : mohammad ahmed 03/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 03 00:52:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 21 14:52:19 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...	3.538	2.771	131.1E6	171.8E6	51.626	53.848
28)	SA Decachlor...	9.054	7.907	96391836	170.7E6	45.313	44.397
Target Compounds							
2)	A alpha-BHC	3.994	3.274	192.1E6	260.4E6	50.793	52.989
3)	MA gamma-BHC...	4.327	3.604	183.5E6	249.6E6	49.678	52.999
4)	MA Heptachlor	4.915	3.942	165.5E6	237.9E6	48.814	50.398
5)	MB Aldrin	5.256	4.221	168.1E6	240.3E6	48.981	52.004
6)	B beta-BHC	4.525	3.904	78380288	104.3E6	49.083	52.447
7)	B delta-BHC	4.772	4.133	177.3E6	250.1E6	50.109	52.819
8)	B Heptachlo...	5.683	4.724	151.7E6	217.6E6	50.346	51.139
9)	A Endosulfan I	6.068	5.093	132.7E6	160.6E6	48.289	40.291
10)	B gamma-Chl...	5.938	4.974	141.5E6	219.6E6	48.201	50.615
11)	B alpha-Chl...	6.018	5.037	141.0E6	215.8E6	48.685	49.970
12)	B 4,4'-DDE	6.192	5.225	132.1E6	216.3E6	50.582	51.502m
13)	MA Dieldrin	6.344	5.358	138.7E6	220.9E6	48.693	50.424
14)	MA Endrin	6.572	5.633	107.2E6	186.1E6	42.003m	54.670 #
15)	B Endosulfa...	6.793	5.927	116.5E6	195.4E6	46.275	52.256m
16)	A 4,4'-DDD	6.709	5.781	108.2E6	183.1E6	58.485	57.486
17)	MA 4,4'-DDT	7.023	6.031	95114327	163.7E6	45.292	46.022
18)	B Endrin al...	6.923	6.107	95918268	156.5E6	49.270	49.527
19)	B Endosulfa...	7.158	6.330	106.5E6	181.6E6	47.053	49.163
20)	A Methoxychlor	7.500	6.606	49741663	87158383	44.770	44.673
21)	B Endrin ke...	7.643	6.836	120.6E6	216.4E6	48.117	50.708
22)	Mirex	8.116	7.015	91131333	170.7E6	44.168	48.960

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022825\
Data File : PL094463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2025 15:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

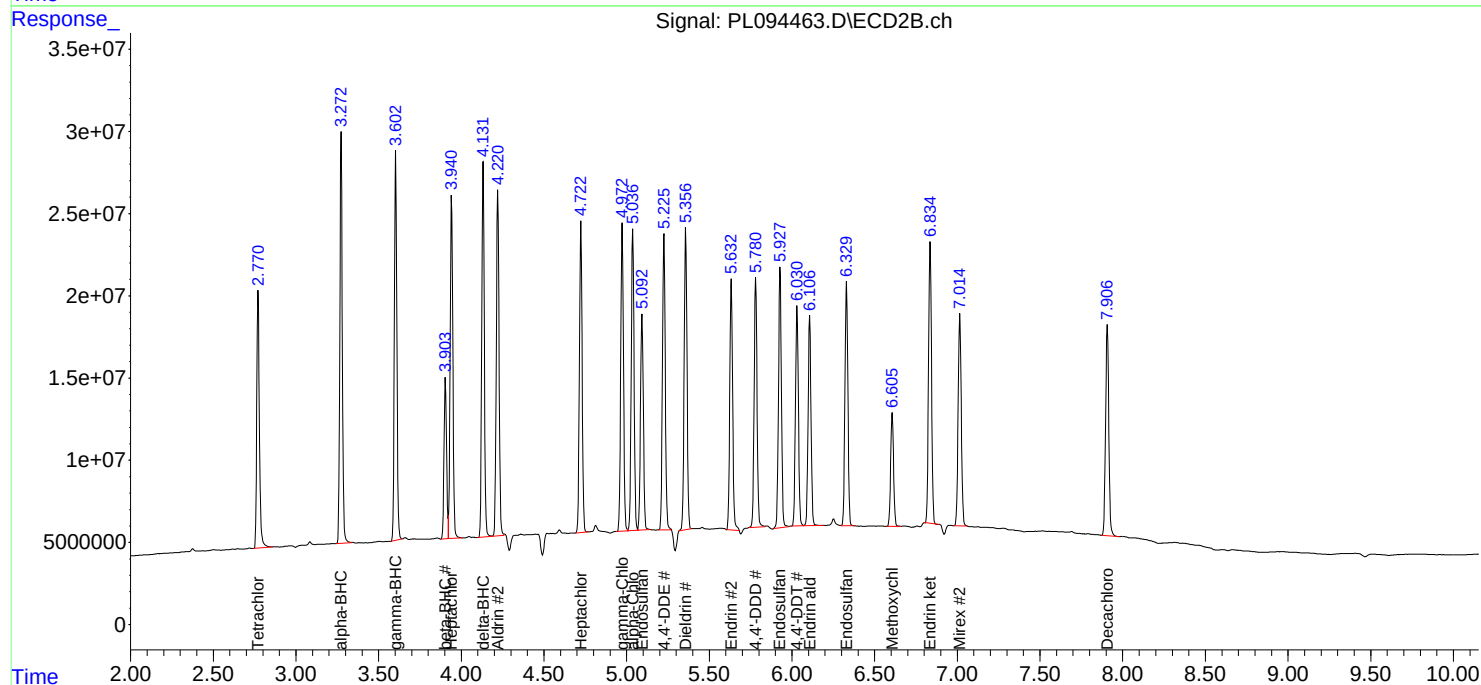
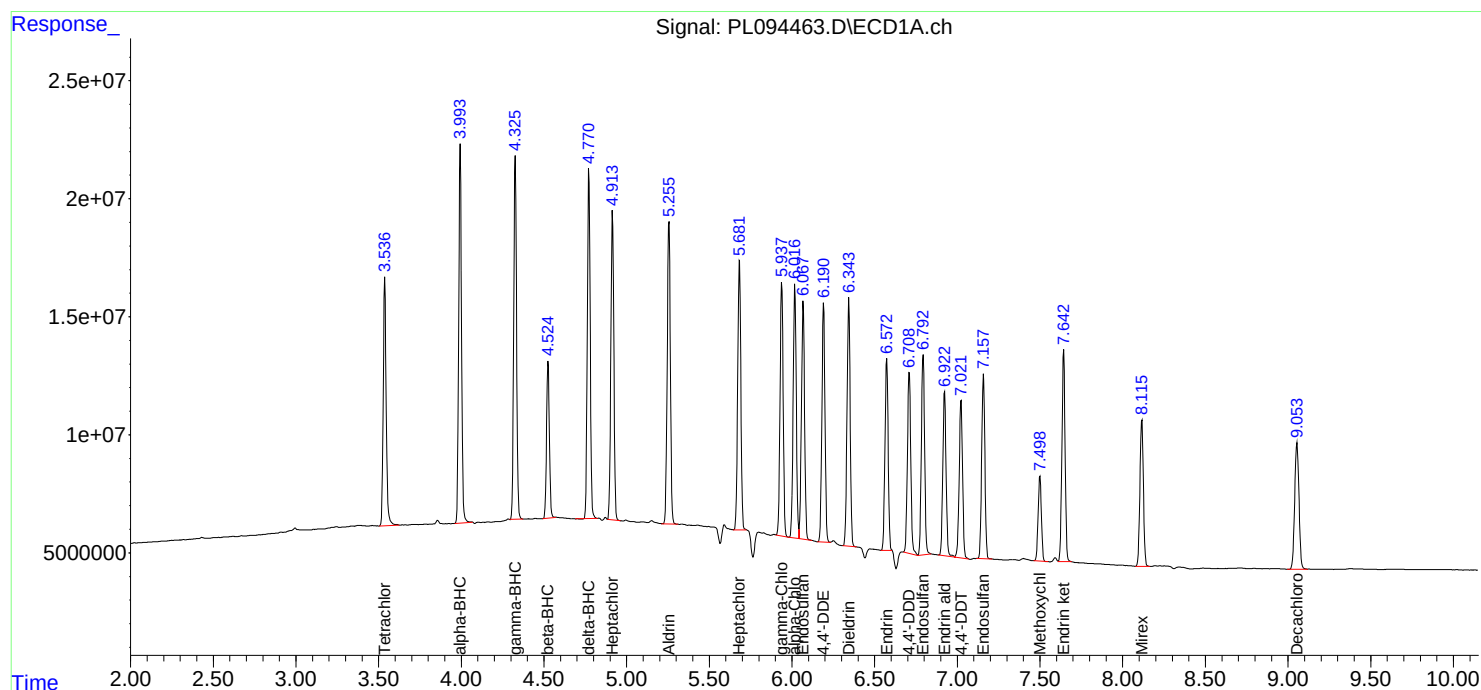
APPROVED

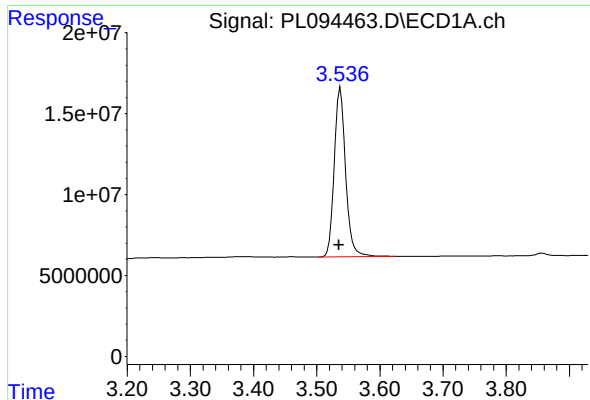
Reviewed By :Abdul Mirza 03/03/2025

Supervised By :mohammad ahmed 03/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 03 00:52:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL022125.M
Quant Title : GC Extractables
QLast Update : Fri Feb 21 14:52:19 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





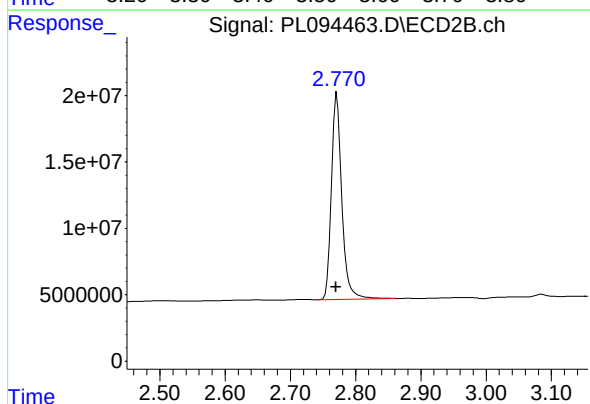
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.003 min
Response: 131083260
Conc: 51.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

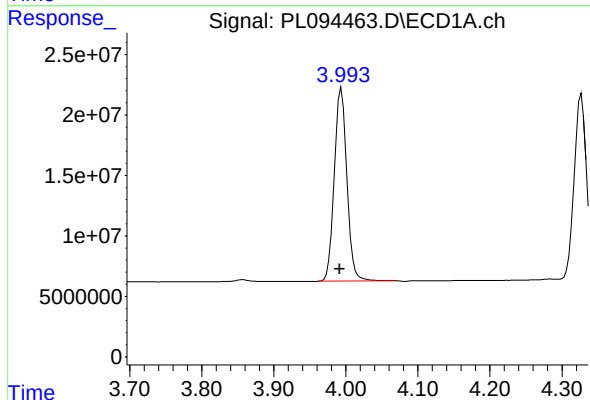
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Supervised By :mohammad ahmed 03/07/2025



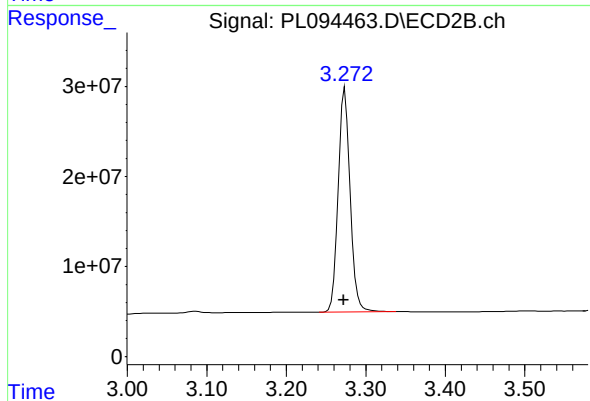
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.001 min
Response: 171839648
Conc: 53.85 ng/ml



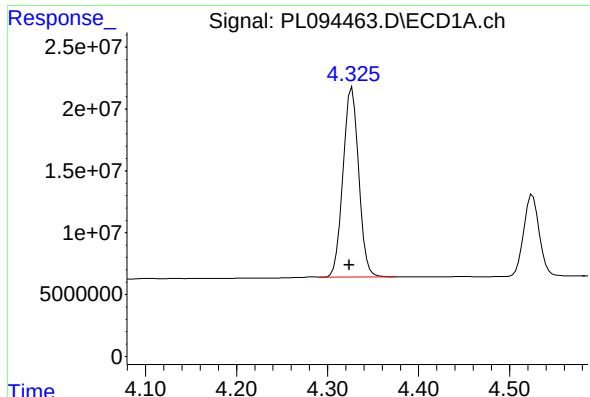
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.003 min
Response: 192131459
Conc: 50.79 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.002 min
Response: 260431231
Conc: 52.99 ng/ml



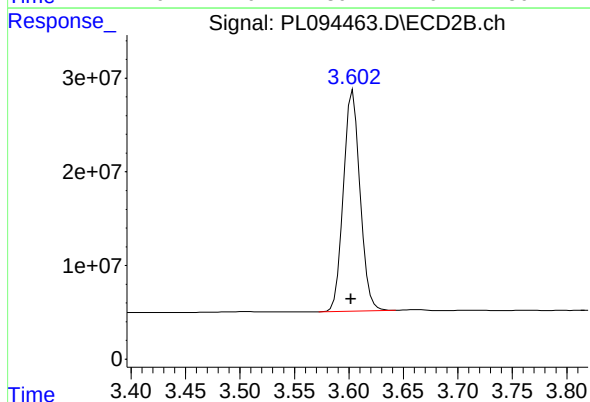
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.003 min
Response: 183548407
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

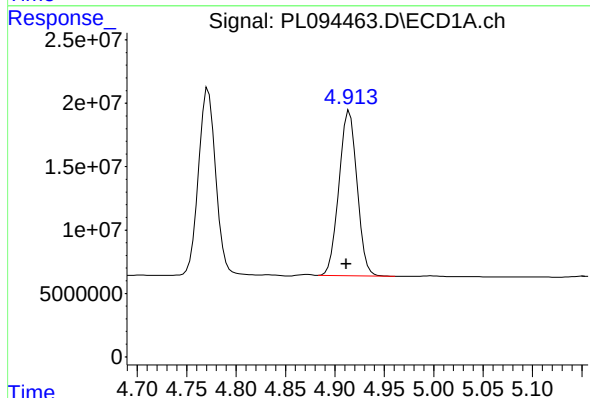
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Supervised By :mohammad ahmed 03/07/2025



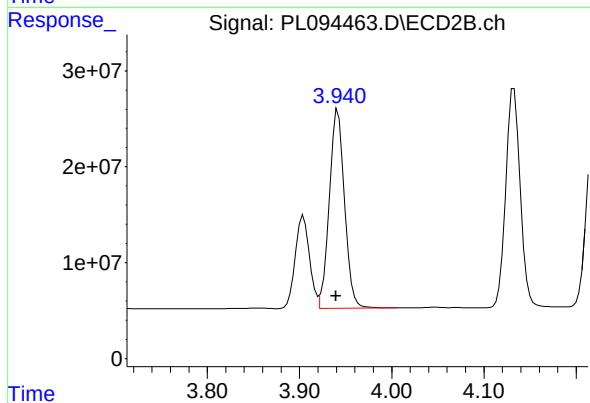
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.002 min
Response: 249620862
Conc: 53.00 ng/ml



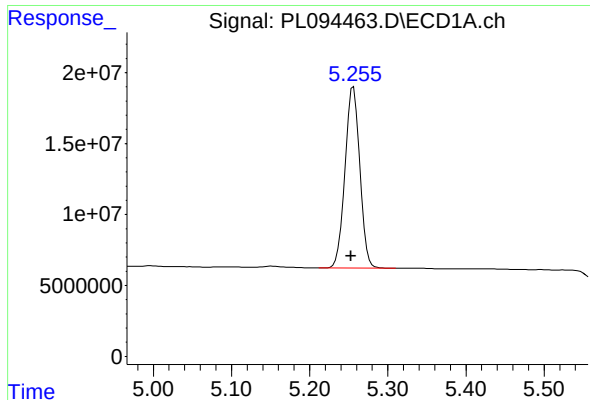
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.003 min
Response: 165497908
Conc: 48.81 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.002 min
Response: 237892999
Conc: 50.40 ng/ml



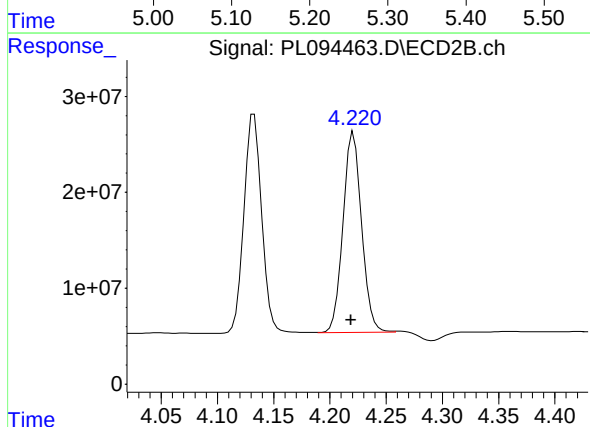
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.003 min
Response: 168091674
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

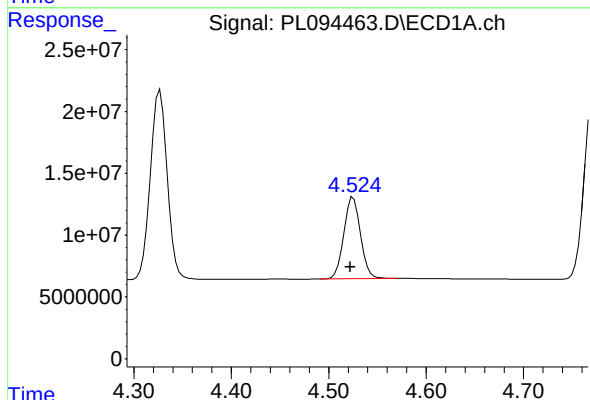
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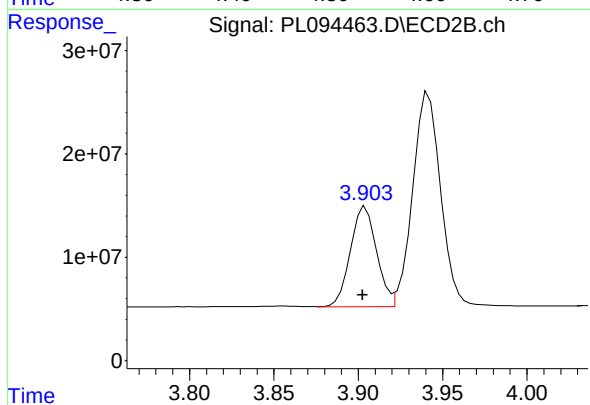
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.002 min
Response: 240277333
Conc: 52.00 ng/ml



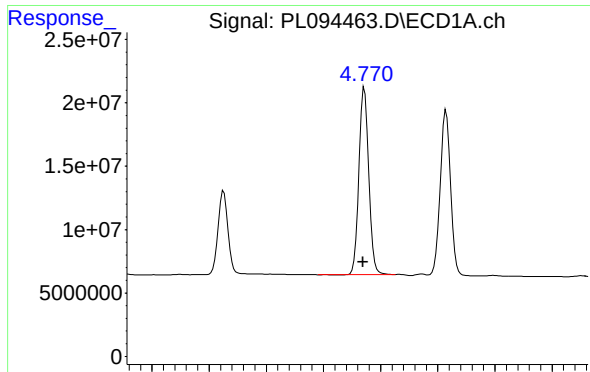
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 78380288
Conc: 49.08 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.002 min
Response: 104312829
Conc: 52.45 ng/ml



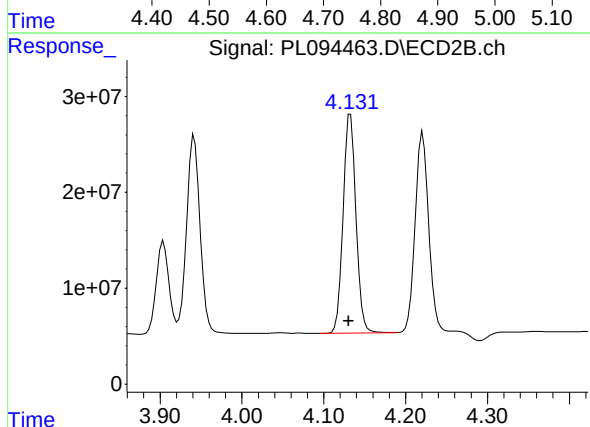
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.003 min
Response: 177300999
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

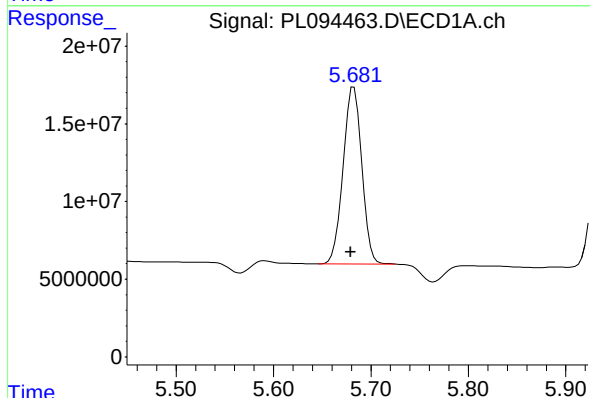
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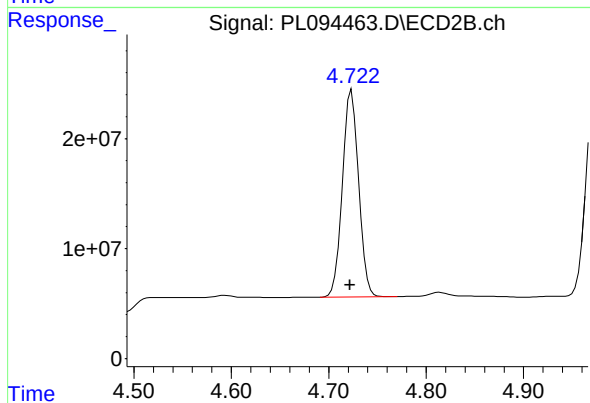
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.002 min
Response: 250136048
Conc: 52.82 ng/ml



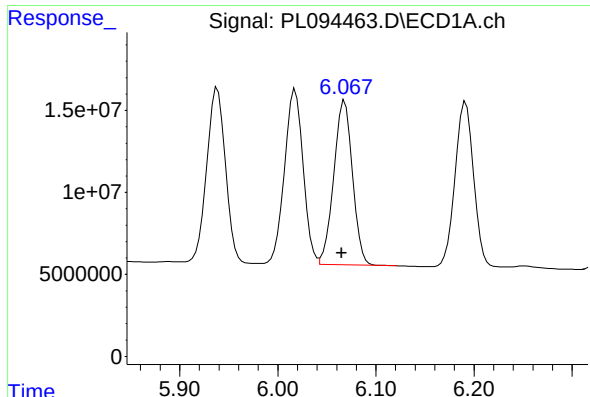
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.003 min
Response: 151713356
Conc: 50.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.002 min
Response: 217615227
Conc: 51.14 ng/ml



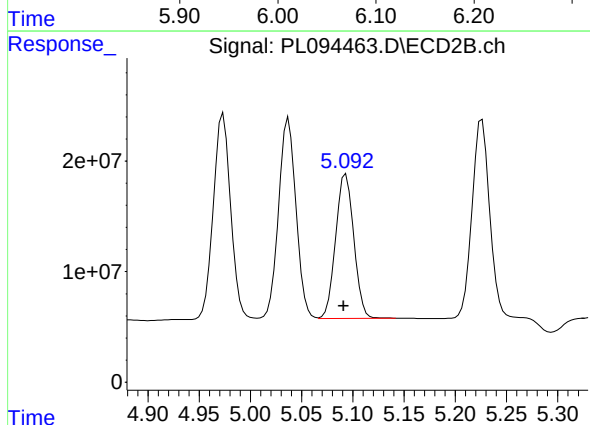
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.003 min
Response: 132727307
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

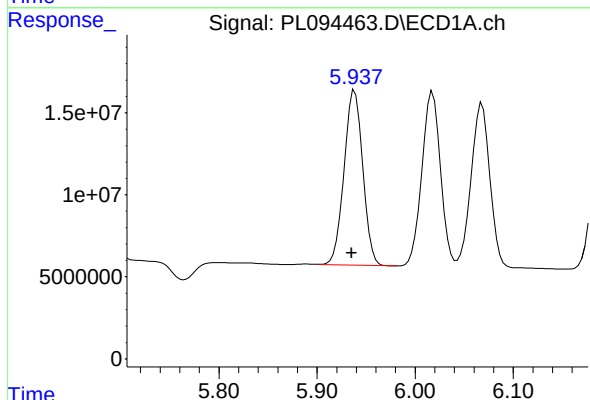
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Supervised By :mohammad ahmed 03/07/2025



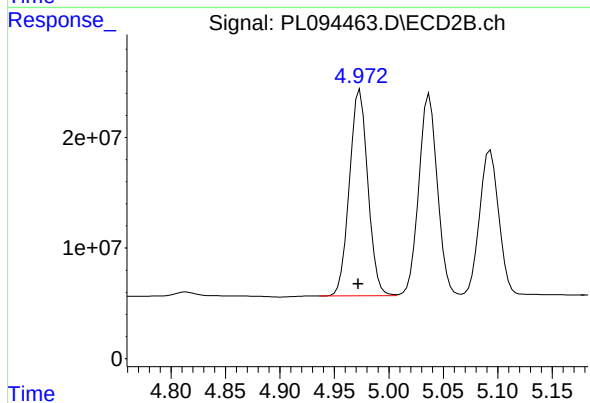
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.002 min
Response: 160623718
Conc: 40.29 ng/ml



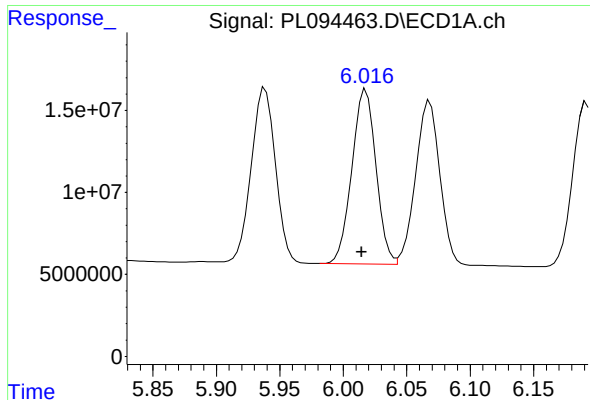
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.003 min
Response: 141524923
Conc: 48.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.002 min
Response: 219608610
Conc: 50.61 ng/ml



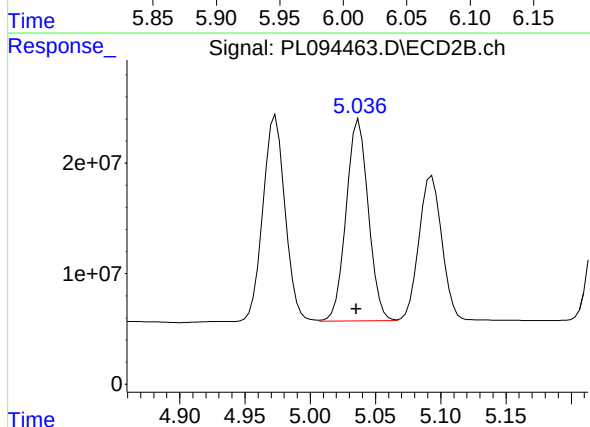
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.003 min
Response: 141044641
Conc: 48.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

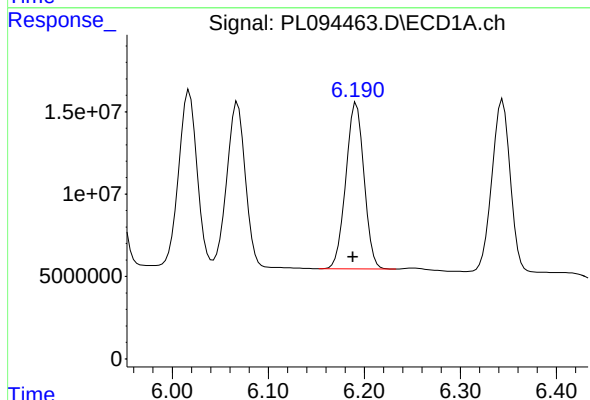
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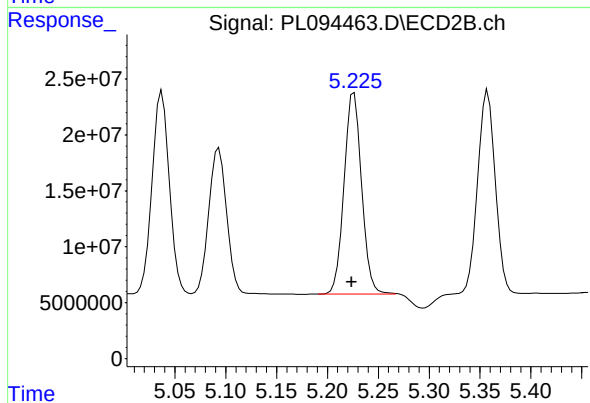
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.002 min
Response: 215752558
Conc: 49.97 ng/ml



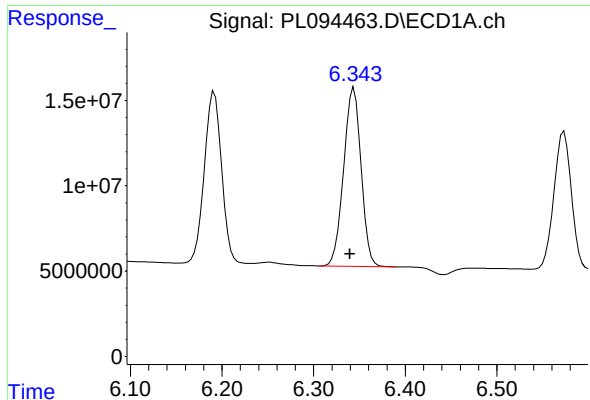
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.003 min
Response: 132106534
Conc: 50.58 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 216307741
Conc: 51.50 ng/ml m



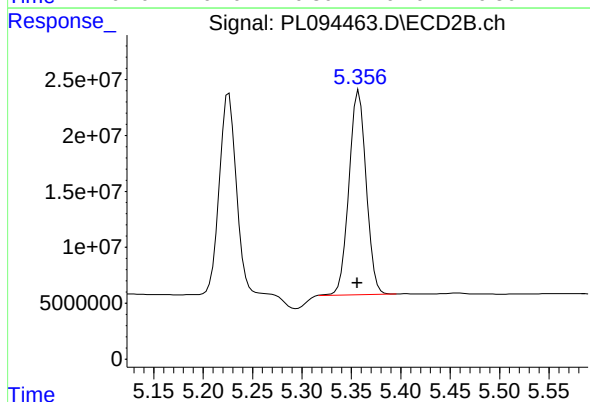
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.004 min
Response: 138728066
Conc: 48.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

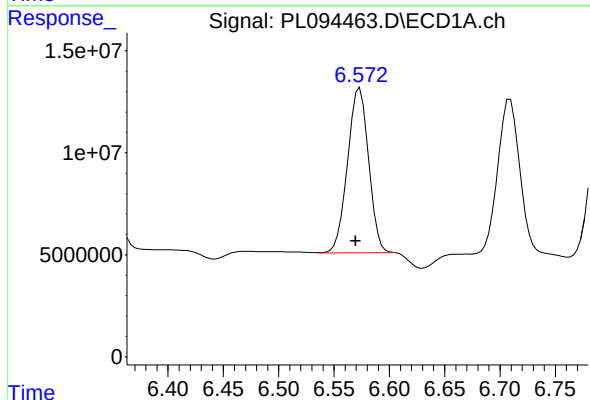
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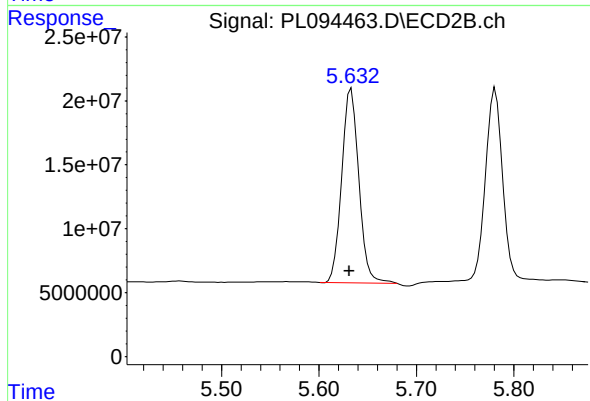
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.002 min
Response: 220946172
Conc: 50.42 ng/ml



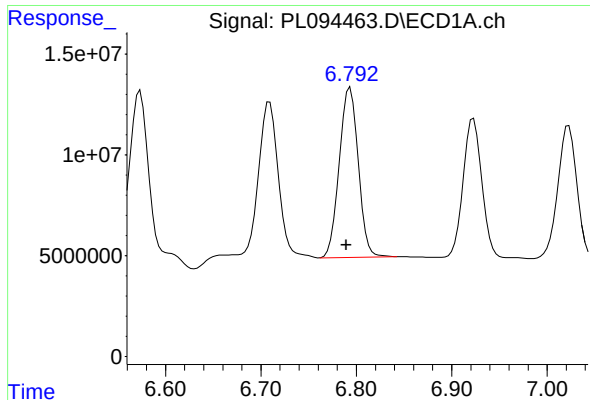
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.002 min
Response: 107202558
Conc: 42.00 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.002 min
Response: 186135741
Conc: 54.67 ng/ml



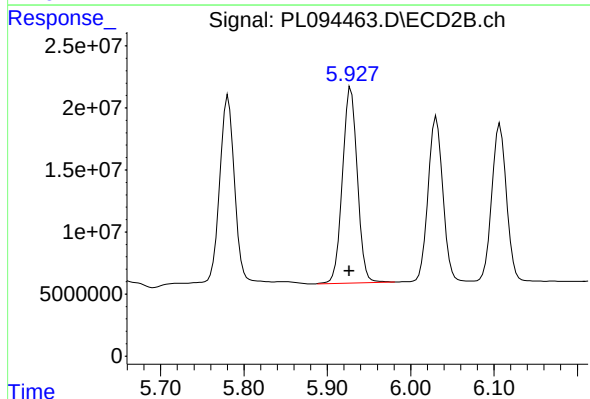
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.004 min
Response: 116484690
Conc: 46.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

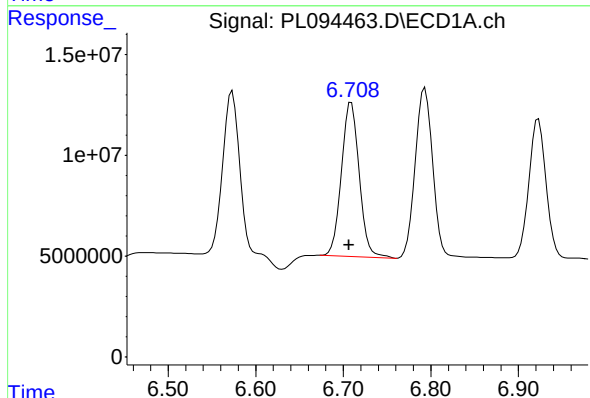
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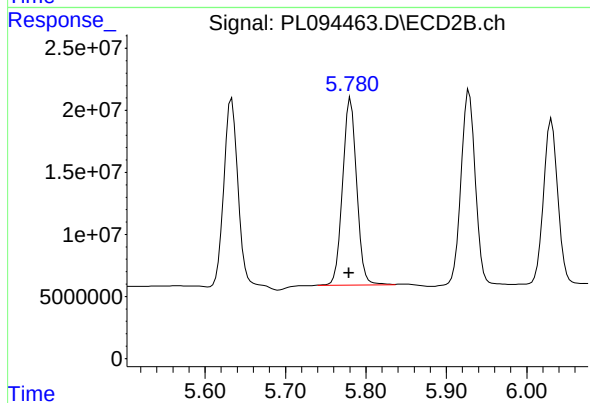
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 195412533
Conc: 52.26 ng/ml m



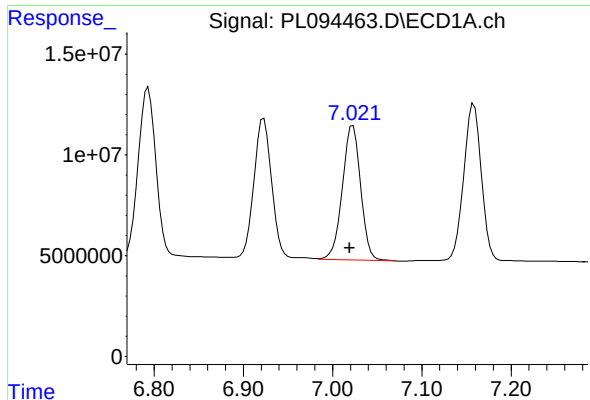
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.003 min
Response: 108183026
Conc: 58.49 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.002 min
Response: 183112481
Conc: 57.49 ng/ml



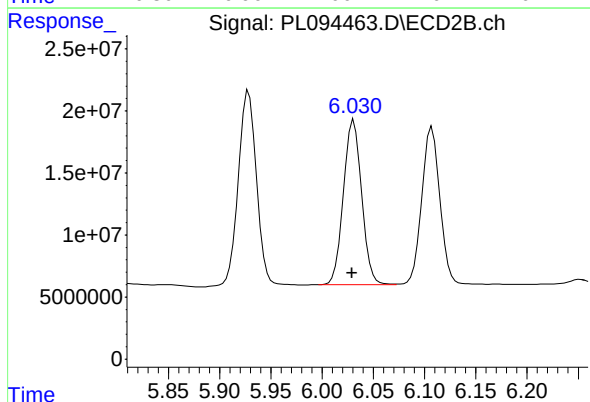
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.004 min
Response: 95114327
Conc: 45.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

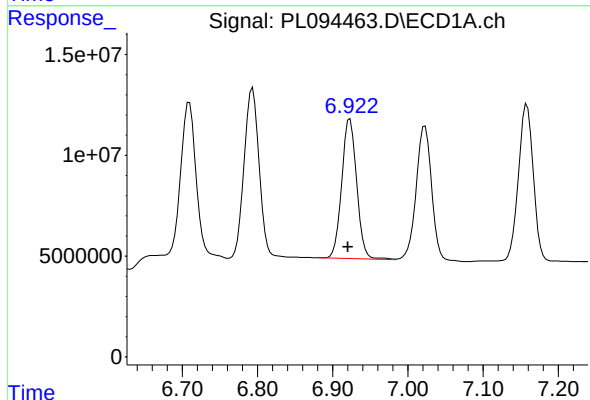
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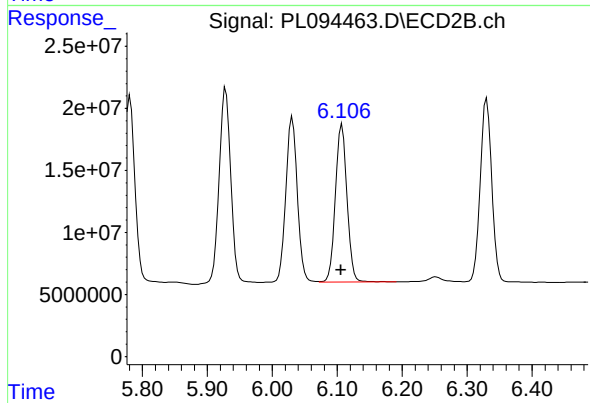
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.002 min
Response: 163700305
Conc: 46.02 ng/ml



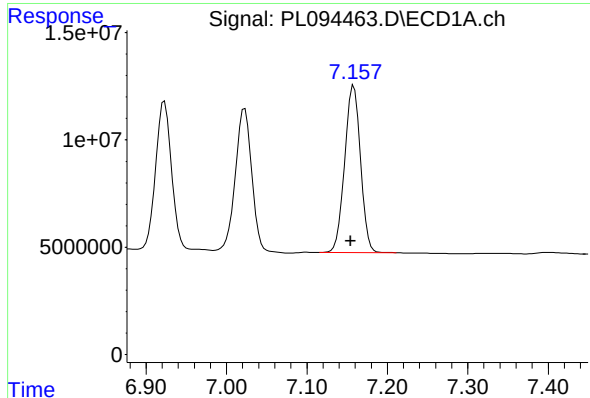
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.003 min
Response: 95918268
Conc: 49.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: 0.002 min
Response: 156526558
Conc: 49.53 ng/ml



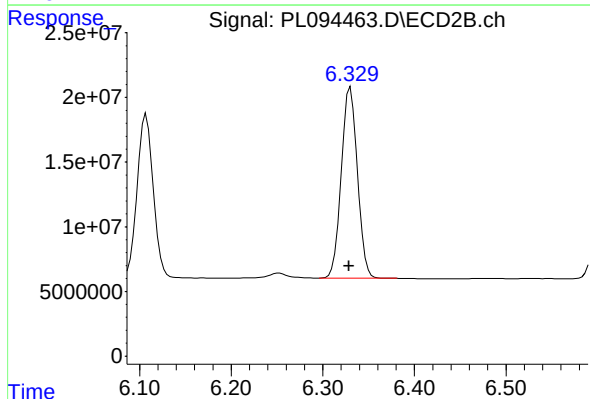
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.004 min
Response: 106520613
Conc: 47.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

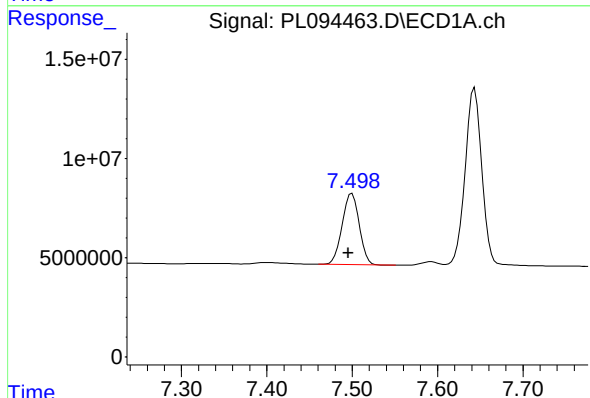
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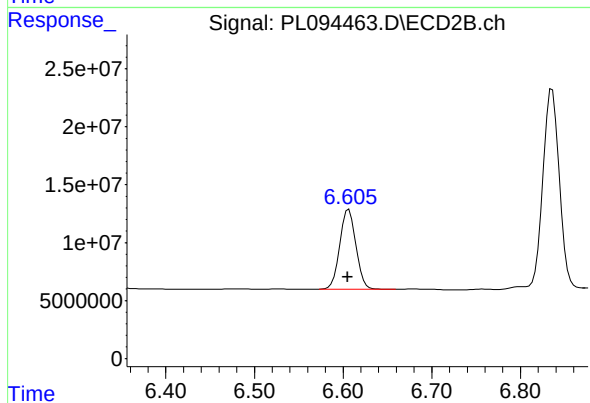
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.002 min
Response: 181592411
Conc: 49.16 ng/ml



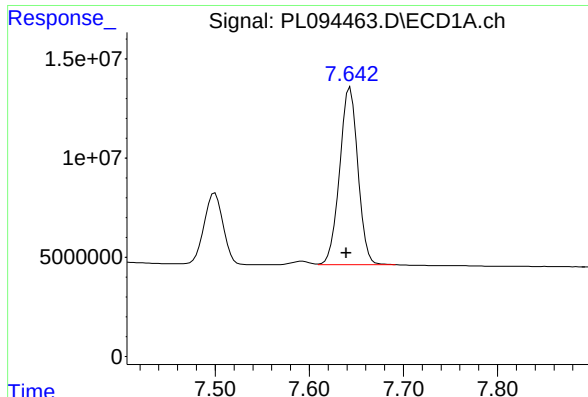
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.004 min
Response: 49741663
Conc: 44.77 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.002 min
Response: 87158383
Conc: 44.67 ng/ml



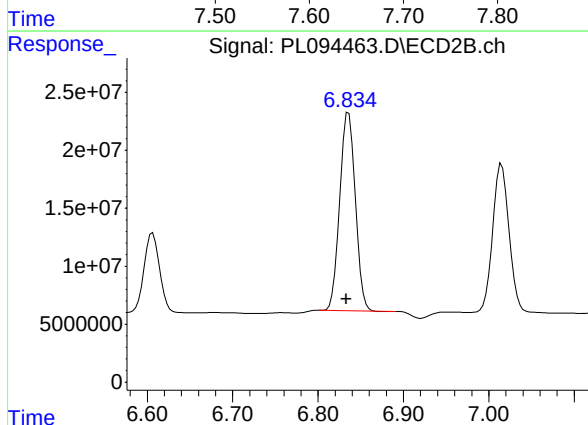
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.004 min
Response: 120625158
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

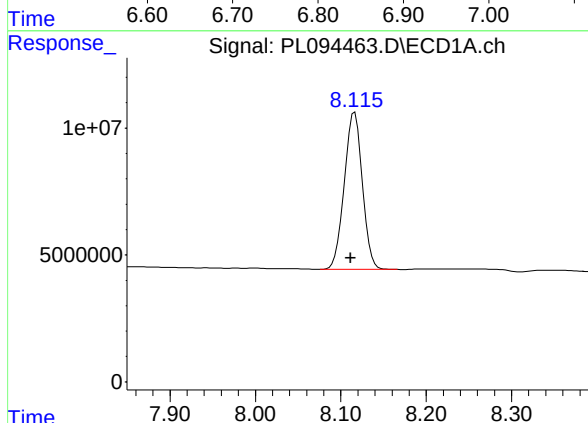
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Reviewed By :Abdul Mirza 03/03/2025
Supervised By :mohammad ahmed 03/07/2025



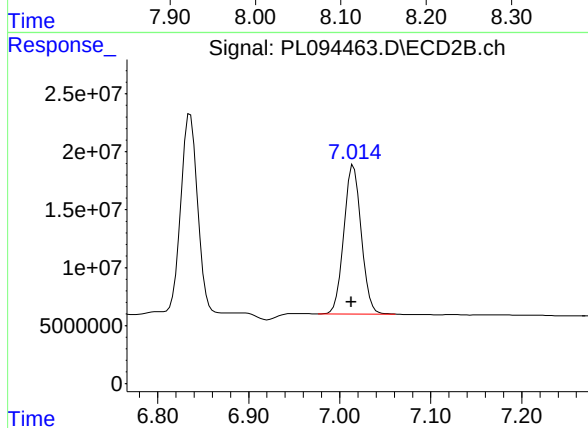
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.003 min
Response: 216395813
Conc: 50.71 ng/ml



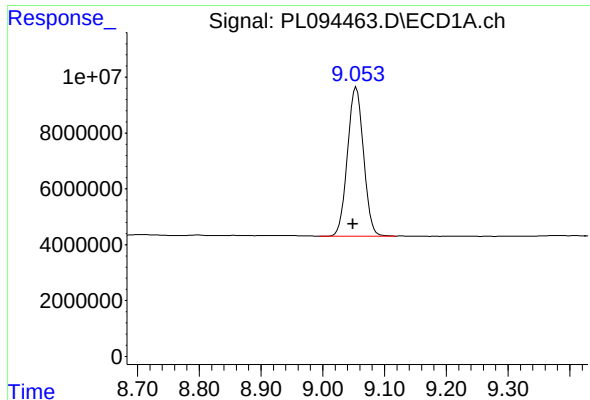
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.005 min
Response: 91131333
Conc: 44.17 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.002 min
Response: 170726854
Conc: 48.96 ng/ml



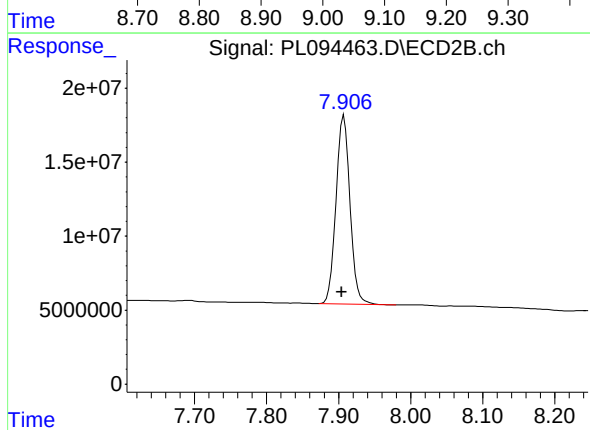
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.005 min
Response: 96391836
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/03/2025
Supervised By :mohammad ahmed 03/07/2025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.003 min
Response: 170733704
Conc: 44.40 ng/ml