

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072325\
 Data File : PL096539.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 16:16
 Operator : AR\AJ
 Sample : Q2668-09MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-1MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/24/2025
 Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 05:09:44 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...	3.534	2.829	69340609	119.2E6	19.003m	20.653
28)	SA Decachlor...	9.015	7.991	39894796	60717280	14.182	12.176
Target Compounds							
2)	A alpha-BHC	3.983	3.334	268.3E6	462.0E6	52.165	54.780
3)	MA gamma-BHC...	4.311	3.666	244.0E6	415.8E6	48.993	52.788
4)	MA Heptachlor	4.902	4.015	240.3E6	403.4E6	52.463m	53.027
5)	MB Aldrin	5.243	4.297	236.3E6	362.8E6	48.890	49.731
6)	B beta-BHC	4.498	3.960	102.5E6	163.9E6	49.330	47.870m
7)	B delta-BHC	4.744	4.195	234.8E6	386.6E6	52.394	50.195
8)	B Heptachlo...	5.662	4.799	225.9E6	310.3E6	54.451	46.422
9)	A Endosulfan I	6.044	5.170	187.2E6	273.4E6	46.362	38.112
10)	B gamma-Chl...	5.916	5.050	295.3E6	448.3E6	66.736	63.864m
11)	B alpha-Chl...	5.997	5.115	298.1E6	405.3E6	68.075	53.891
12)	B 4,4'-DDE	6.167	5.304	167.0E6	280.9E6	45.036	43.463
13)	MA Dieldrin	6.316	5.435	188.6E6	301.1E6	44.612	44.148
14)	MA Endrin	6.542	5.709	151.2E6	264.8E6	48.603	43.431
15)	B Endosulfa...	6.755	6.001	146.5E6	266.0E6	42.219	45.358
16)	A 4,4'-DDD	6.675	5.856	153.5E6	215.5E6	52.707	42.014
17)	MA 4,4'-DDT	6.989	6.108	133.7E6	215.9E6	44.045	37.639
18)	B Endrin al...	6.884	6.179	120.7E6	183.1E6	53.992	41.094
19)	B Endosulfa...	7.117	6.402	135.9E6	215.0E6	44.439	38.232
20)	A Methoxychlor	7.460	6.681	72070632	108.9E6	45.748m	35.832
21)	B Endrin ke...	7.595	6.906	138.6E6	225.9E6	41.968m	36.131
22)	Mirex	8.075	7.097	117.5E6	169.1E6	42.220	34.035

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

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Data File : PL096539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:16
Operator : AR\AJ
Sample : Q2668-09MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

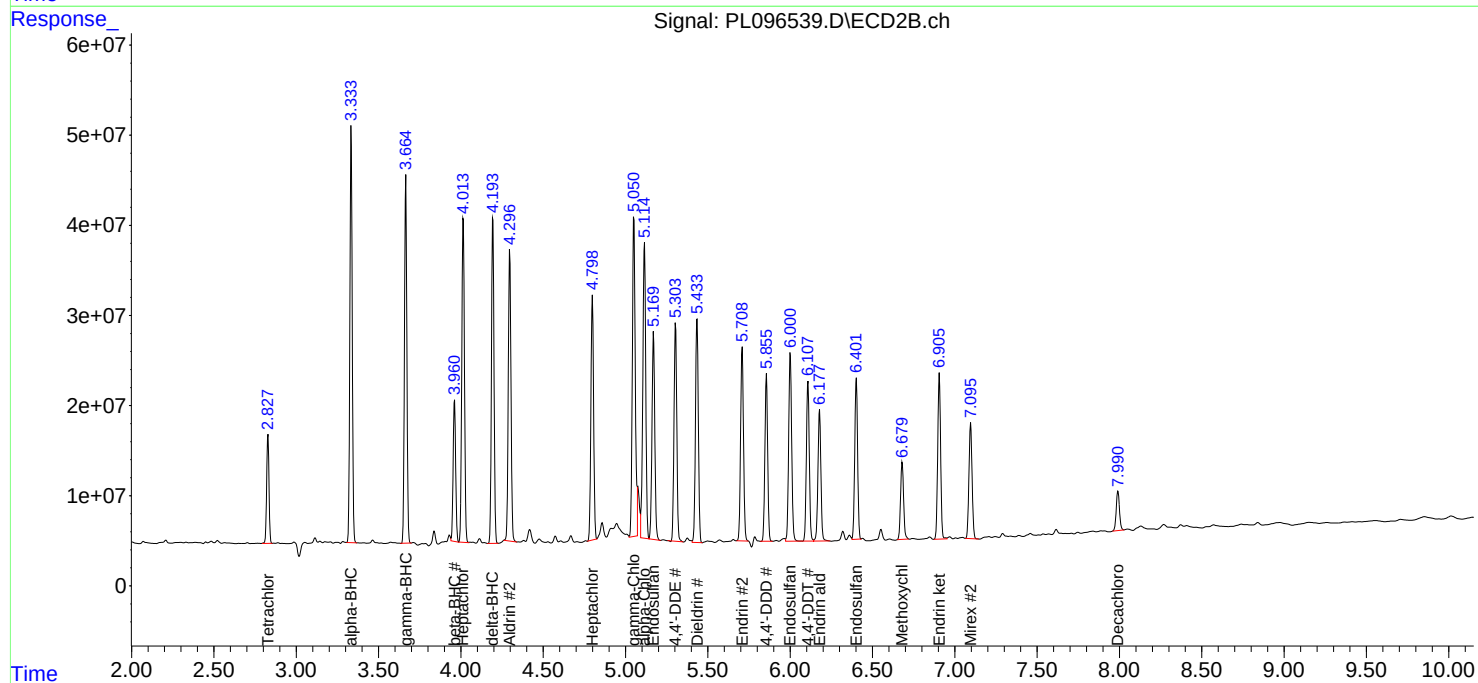
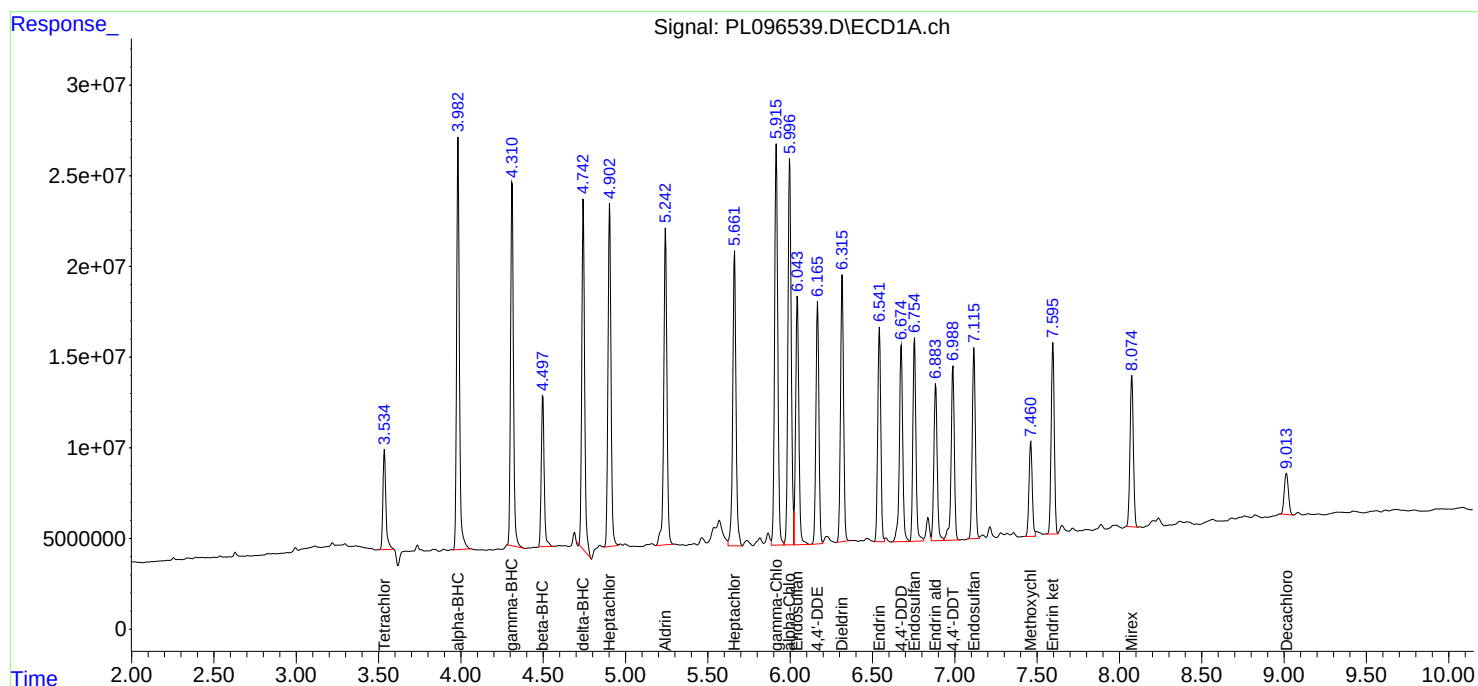
Instrument :
ECD_L
ClientSampleId :
TP-1MSD

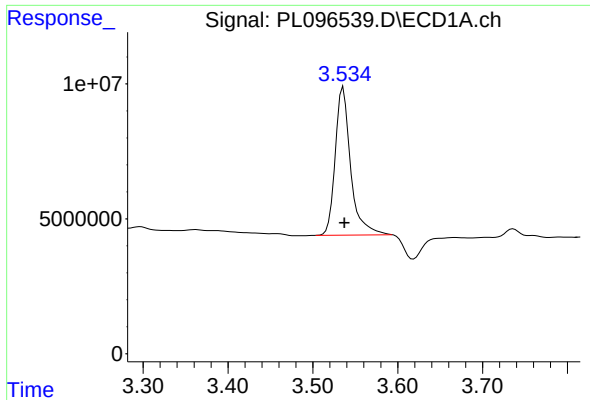
Manual Integrations
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Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:09:44 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





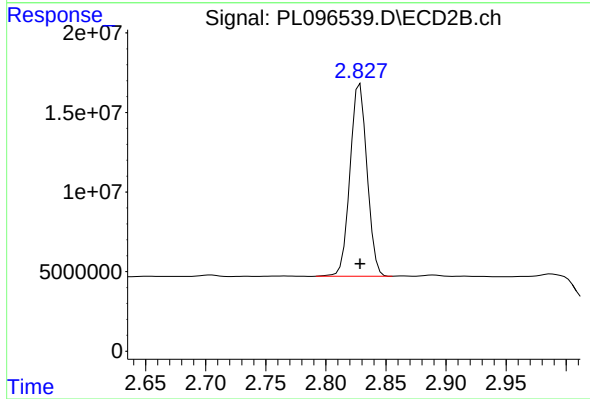
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 69340609
Conc: 19.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

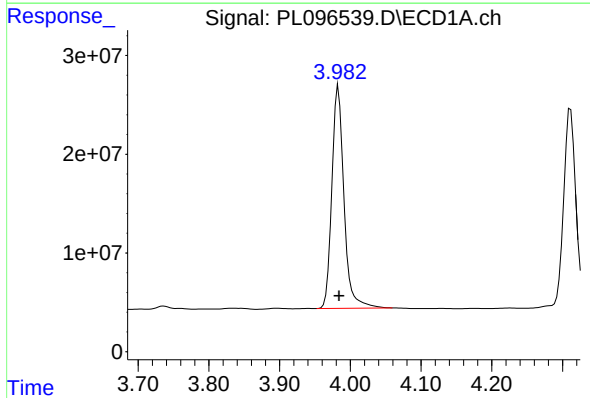
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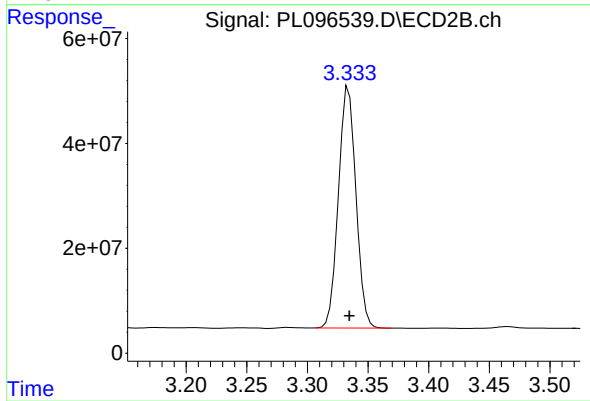
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 119193377
Conc: 20.65 ng/ml



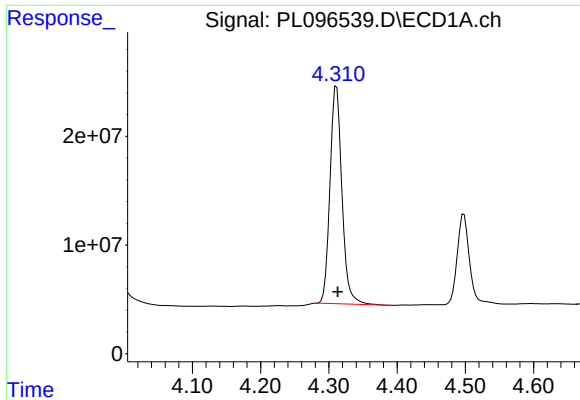
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 268291127
Conc: 52.16 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 462029337
Conc: 54.78 ng/ml



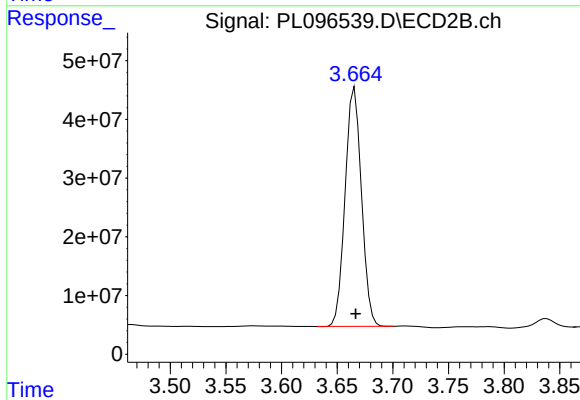
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 243970363
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

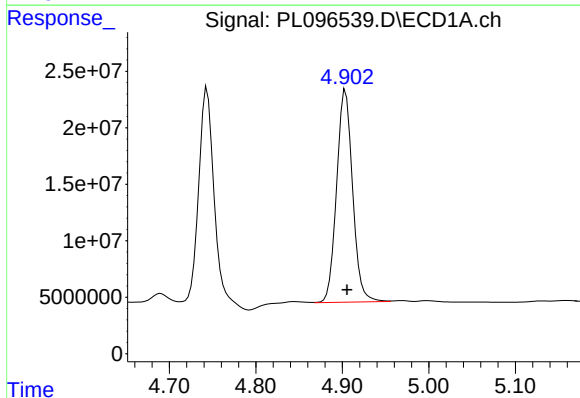
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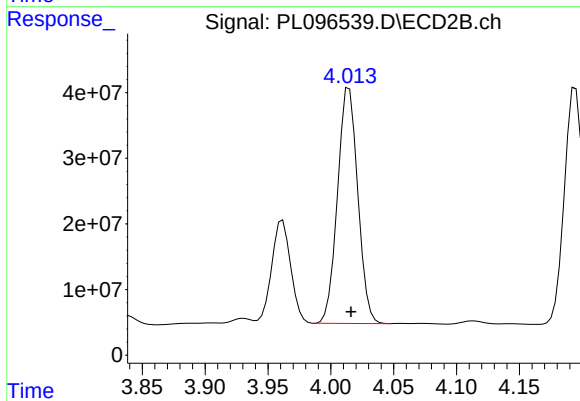
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 415752031
Conc: 52.79 ng/ml



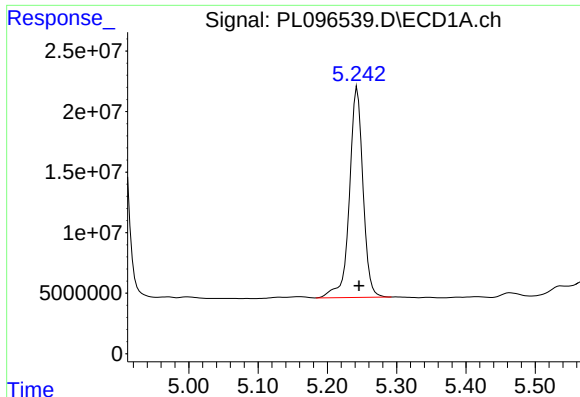
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: -0.003 min
Response: 240343754
Conc: 52.46 ng/ml m



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 403420058
Conc: 53.03 ng/ml



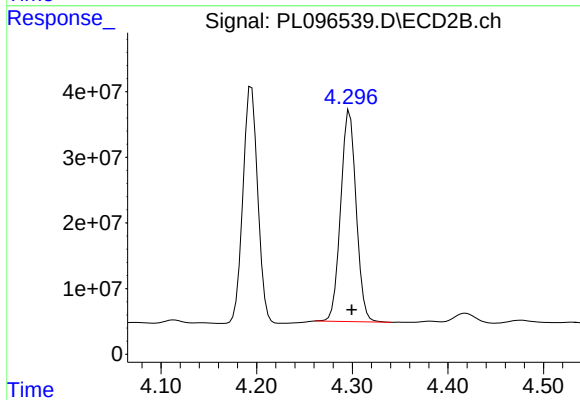
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 236321851
Conc: 48.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

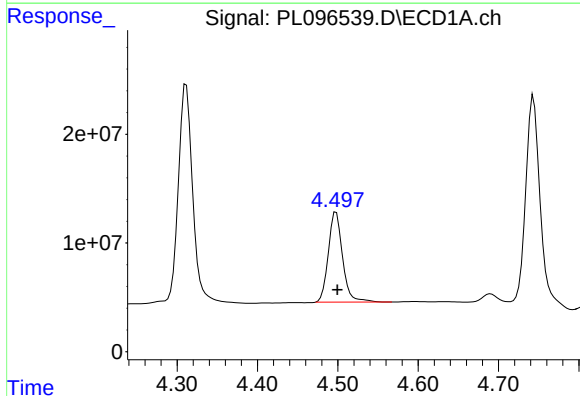
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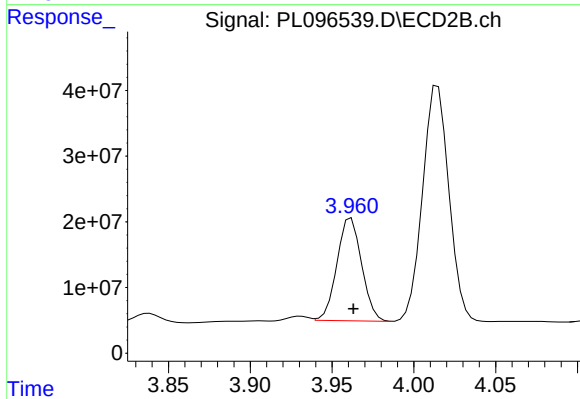
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 362818227
Conc: 49.73 ng/ml



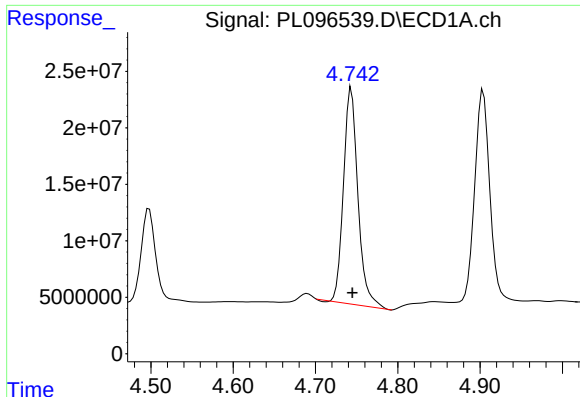
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.002 min
Response: 102546865
Conc: 49.33 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 163903584
Conc: 47.87 ng/ml m



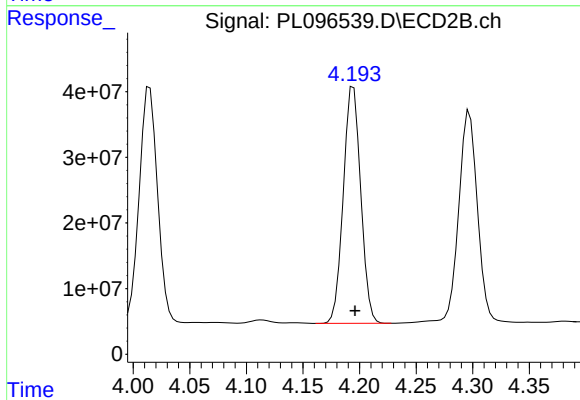
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 234793031
Conc: 52.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

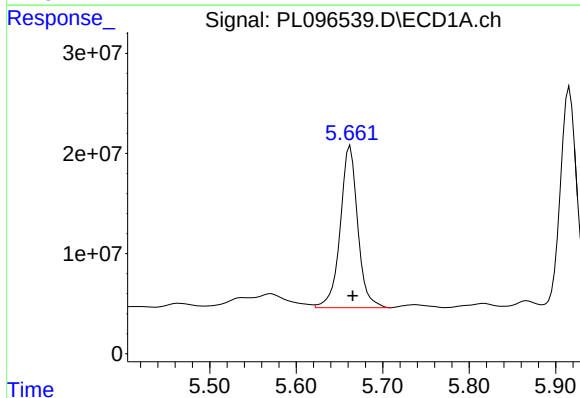
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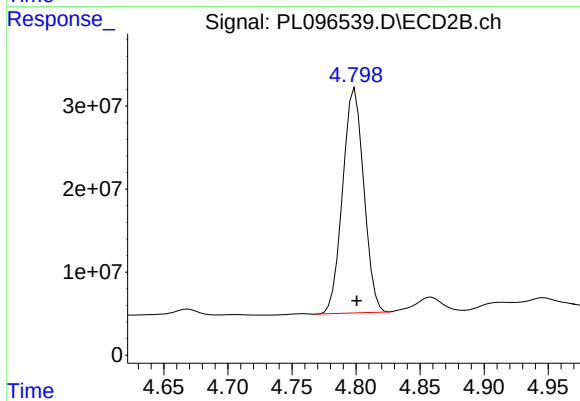
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 386598751
Conc: 50.20 ng/ml



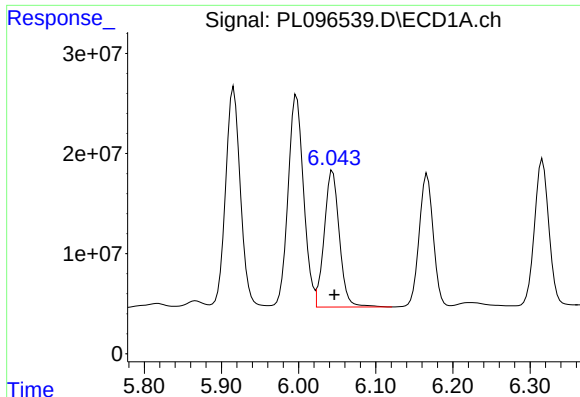
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 225925419
Conc: 54.45 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 310325617
Conc: 46.42 ng/ml



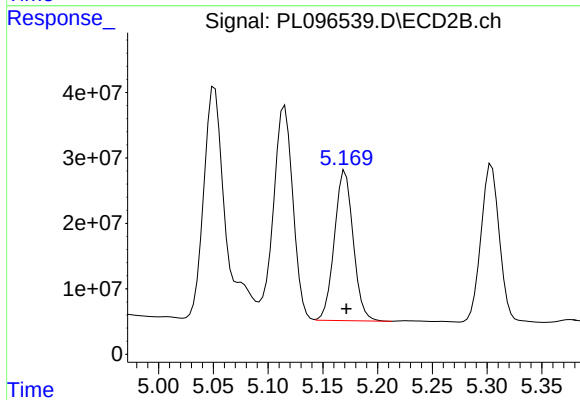
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 187174171
Conc: 46.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

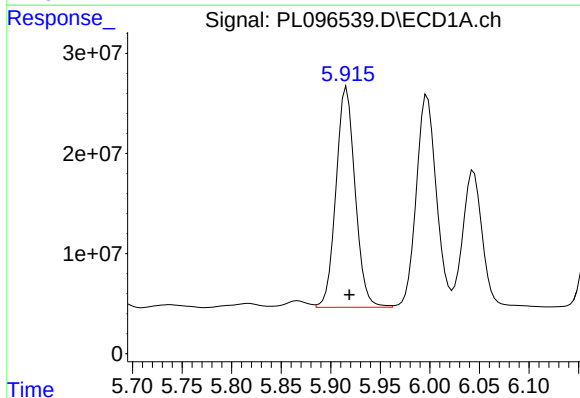
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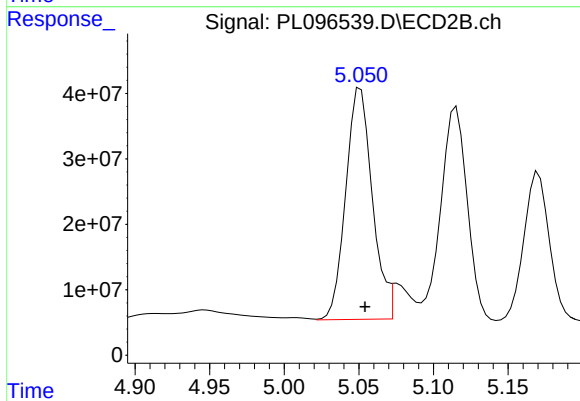
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 273423037
Conc: 38.11 ng/ml



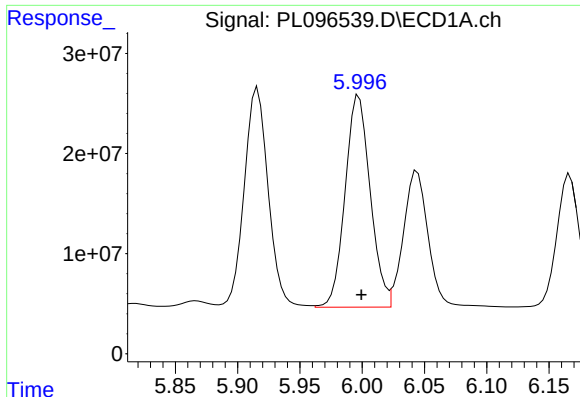
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 295294617
Conc: 66.74 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 448309399
Conc: 63.86 ng/ml m



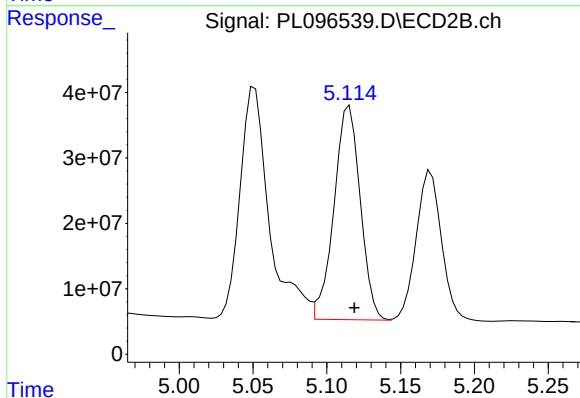
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 298089030
Conc: 68.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

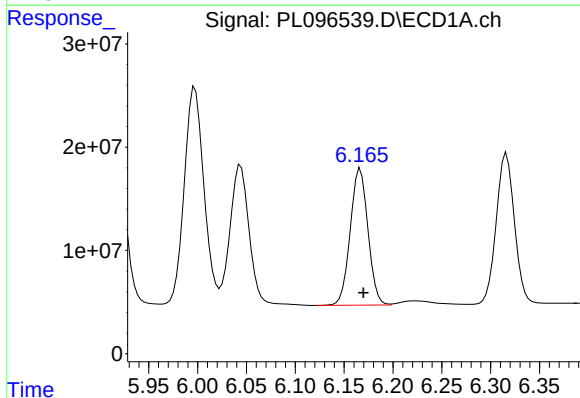
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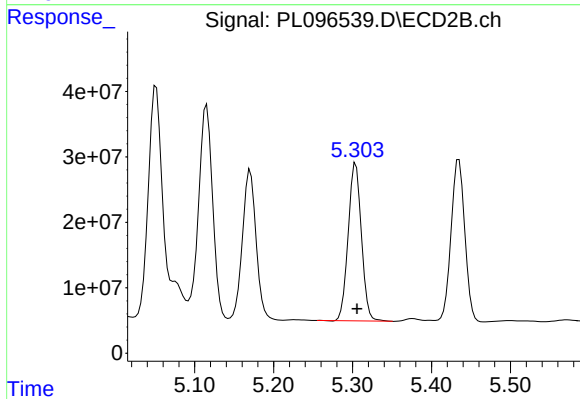
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 405271245
Conc: 53.89 ng/ml



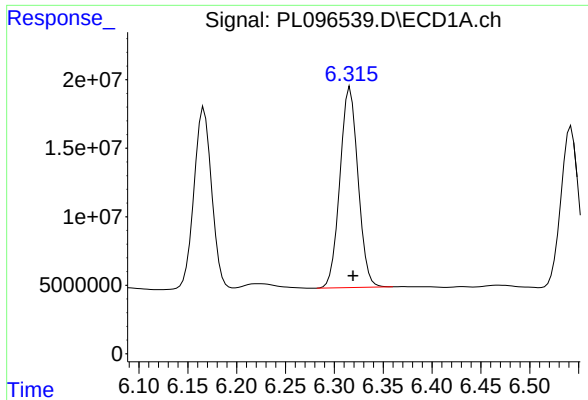
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.003 min
Response: 166970267
Conc: 45.04 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 280931619
Conc: 43.46 ng/ml



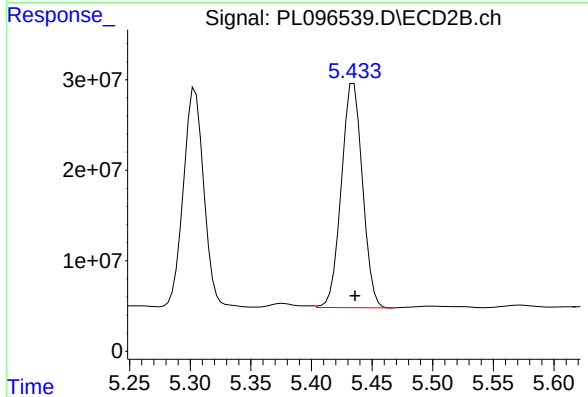
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 188638683
Conc: 44.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

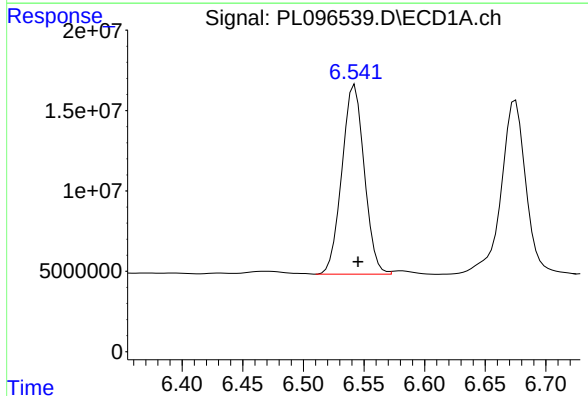
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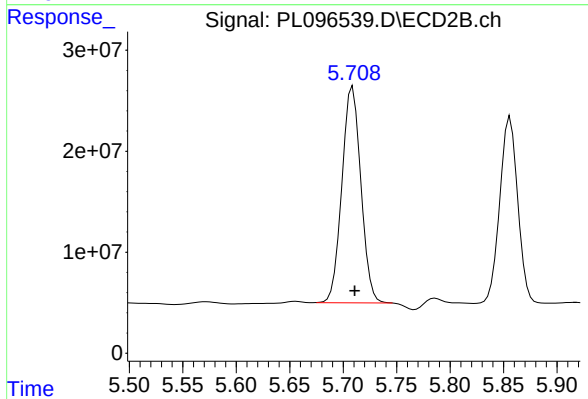
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 301054458
Conc: 44.15 ng/ml



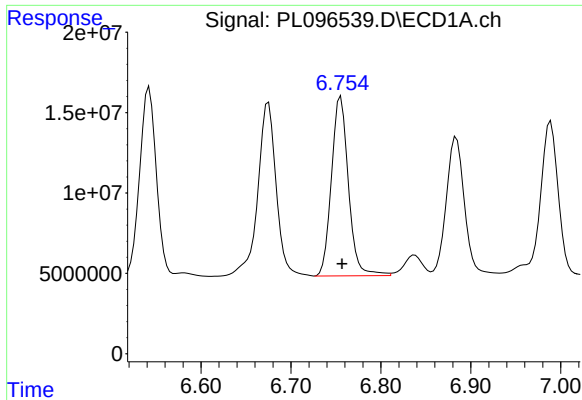
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 151164416
Conc: 48.60 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 264779808
Conc: 43.43 ng/ml



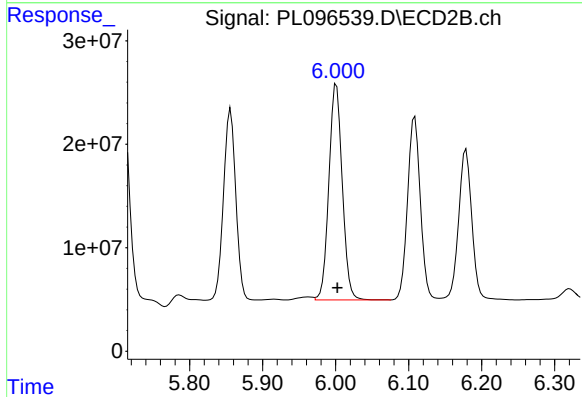
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 146501254
Conc: 42.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

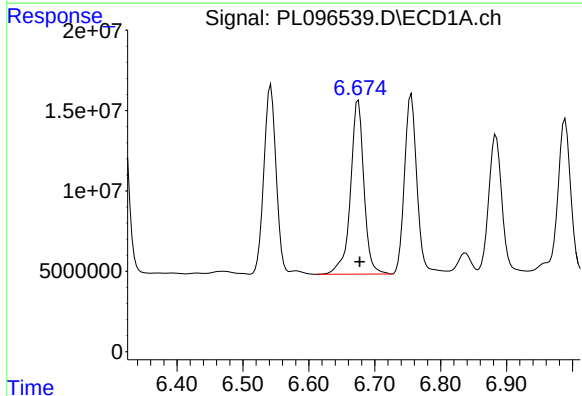
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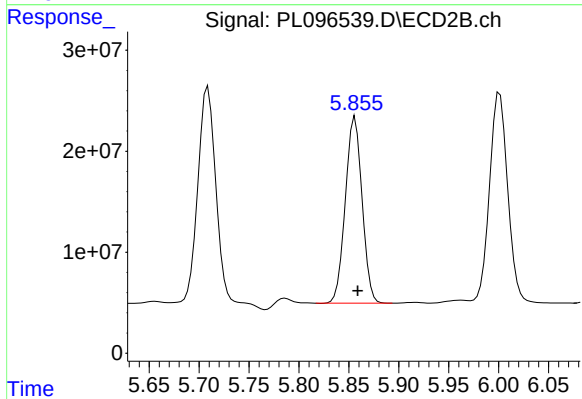
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 265976948
Conc: 45.36 ng/ml



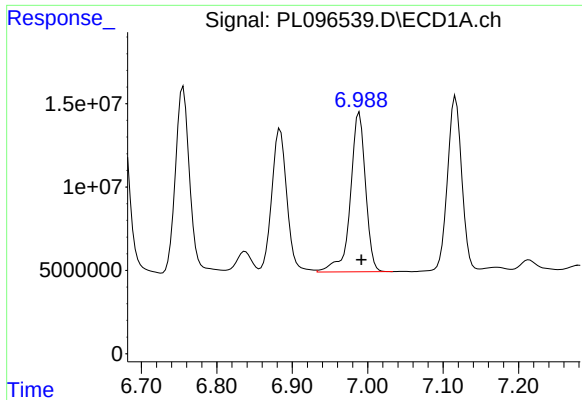
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 153466420
Conc: 52.71 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 215475144
Conc: 42.01 ng/ml



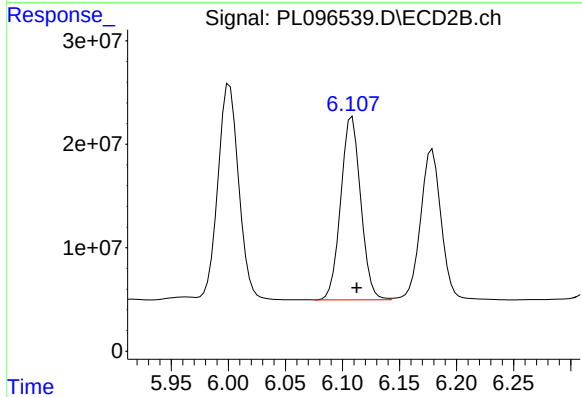
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 133685498
Conc: 44.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

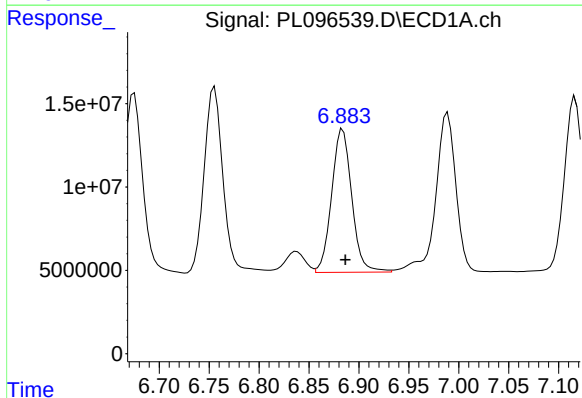
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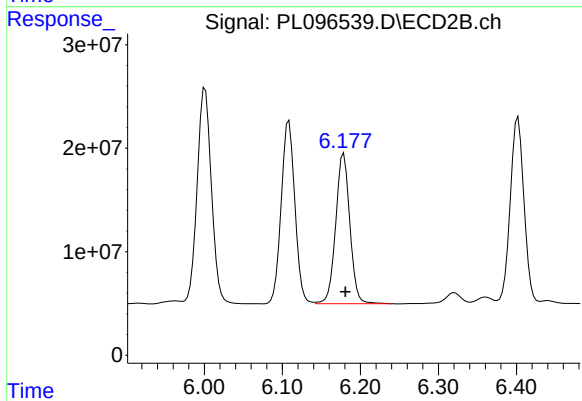
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 215866269
Conc: 37.64 ng/ml



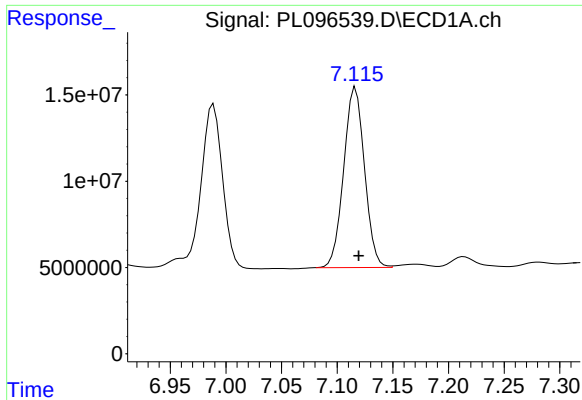
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 120702789
Conc: 53.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 183059320
Conc: 41.09 ng/ml



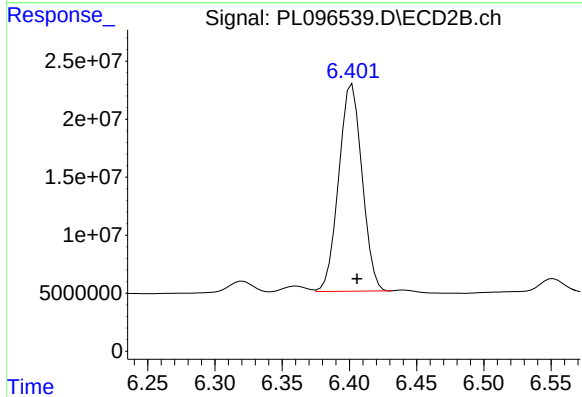
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: -0.003 min
Response: 135931557
Conc: 44.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

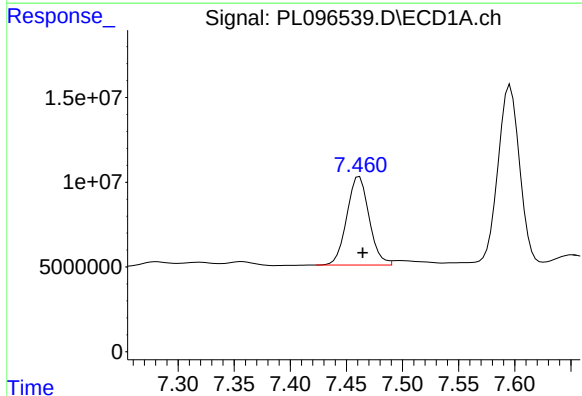
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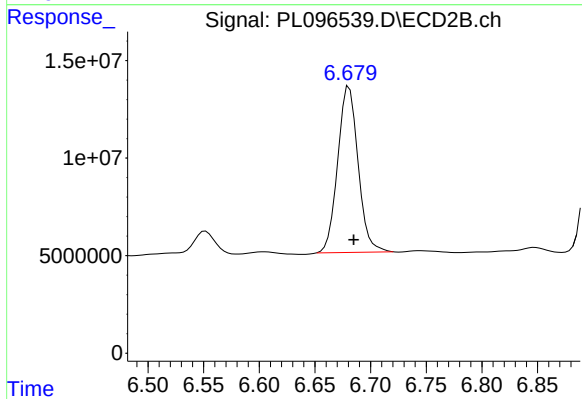
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 215031673
Conc: 38.23 ng/ml



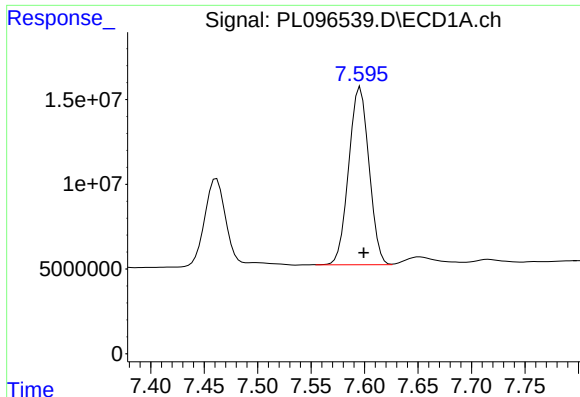
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.004 min
Response: 72070632
Conc: 45.75 ng/ml m



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 108850163
Conc: 35.83 ng/ml



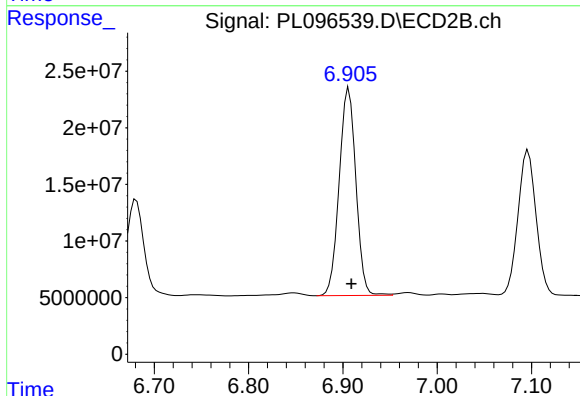
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.005 min
Response: 138561961
Conc: 41.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

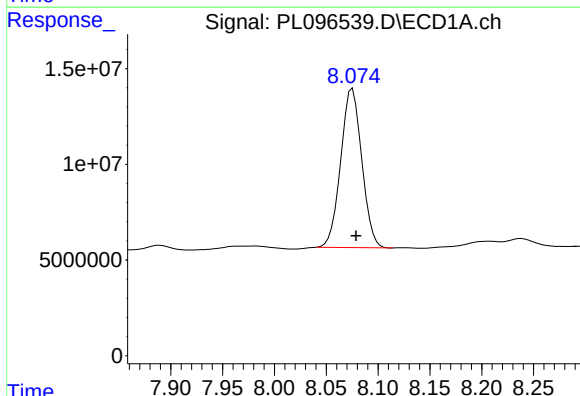
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



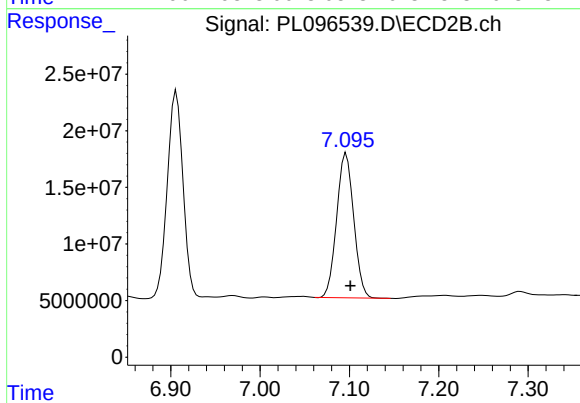
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 225900832
Conc: 36.13 ng/ml



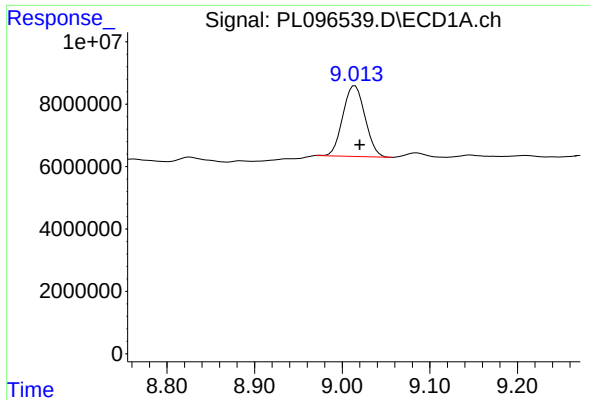
#22 Mirex

R.T.: 8.075 min
Delta R.T.: -0.003 min
Response: 117465804
Conc: 42.22 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.005 min
Response: 169092624
Conc: 34.04 ng/ml



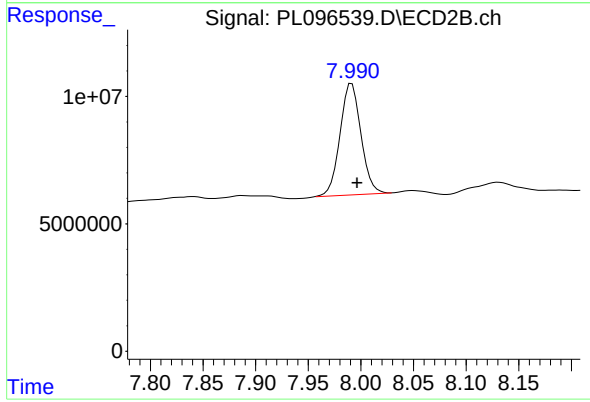
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 39894796
Conc: 14.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-1MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 60717280
Conc: 12.18 ng/ml