

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:10
 Operator : AR\AJ
 Sample : Q2832-02MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TG-S01MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:51:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.546	2.878	46526191	358.2E6	18.863m	22.616
28)	SA Decachlor...	9.068	8.066	61704303	364.8E6	16.604	18.169
Target Compounds							
2)	A alpha-BHC	3.997	3.390	245.0E6	1417.3E6	49.458	58.313
3)	MA gamma-BHC...	4.328	3.727	243.7E6	1325.3E6	51.281	58.841
4)	MA Heptachlor	4.926	4.079	223.4E6	1267.5E6	46.422	54.613
5)	MB Aldrin	5.268	4.365	214.3E6	1253.5E6	46.949	56.336
6)	B beta-BHC	4.514	4.022	91766124	566.7E6	49.746	58.729
7)	B delta-BHC	4.761	4.259	224.4E6	1178.6E6	48.929m	51.884
8)	B Heptachlo...	5.688	4.869	198.7E6	1195.6E6	47.538	58.180
9)	A Endosulfan I	6.071	5.243	187.6E6	1137.1E6	47.329	58.169
10)	B gamma-Chl...	5.943	5.122	198.7E6	1284.7E6	47.552	59.329
11)	B alpha-Chl...	6.023	5.186	198.6E6	1234.3E6	47.236	59.280 #
12)	B 4,4'-DDE	6.193	5.371	176.8E6	1250.0E6	47.407	59.138
13)	MA Dieldrin	6.344	5.509	198.1E6	1277.1E6	46.896	59.021 #
14)	MA Endrin	6.571	5.785	168.3E6	1149.8E6	47.035	57.707
15)	B Endosulfa...	6.783	6.076	166.4E6	1077.5E6	45.343	57.316 #
16)	A 4,4'-DDD	6.703	5.925	138.3E6	1035.4E6	46.167	58.721 #
17)	MA 4,4'-DDT	7.018	6.179	150.9E6	1049.2E6	44.905	57.106 #
18)	B Endrin al...	6.912	6.255	126.9E6	804.6E6	50.833	62.275
19)	B Endosulfa...	7.147	6.478	149.5E6	1014.8E6	43.074	54.659 #
20)	A Methoxychlor	7.490	6.750	77673401	530.8E6	43.442	54.185
21)	B Endrin ke...	7.627	6.987	167.5E6	1097.2E6	45.096	54.673
22)	Mirex	8.110	7.180	118.3E6	799.6E6	42.434	52.534

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:10
Operator : AR\AJ
Sample : Q2832-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TG-S01MSD

Manual Integrations

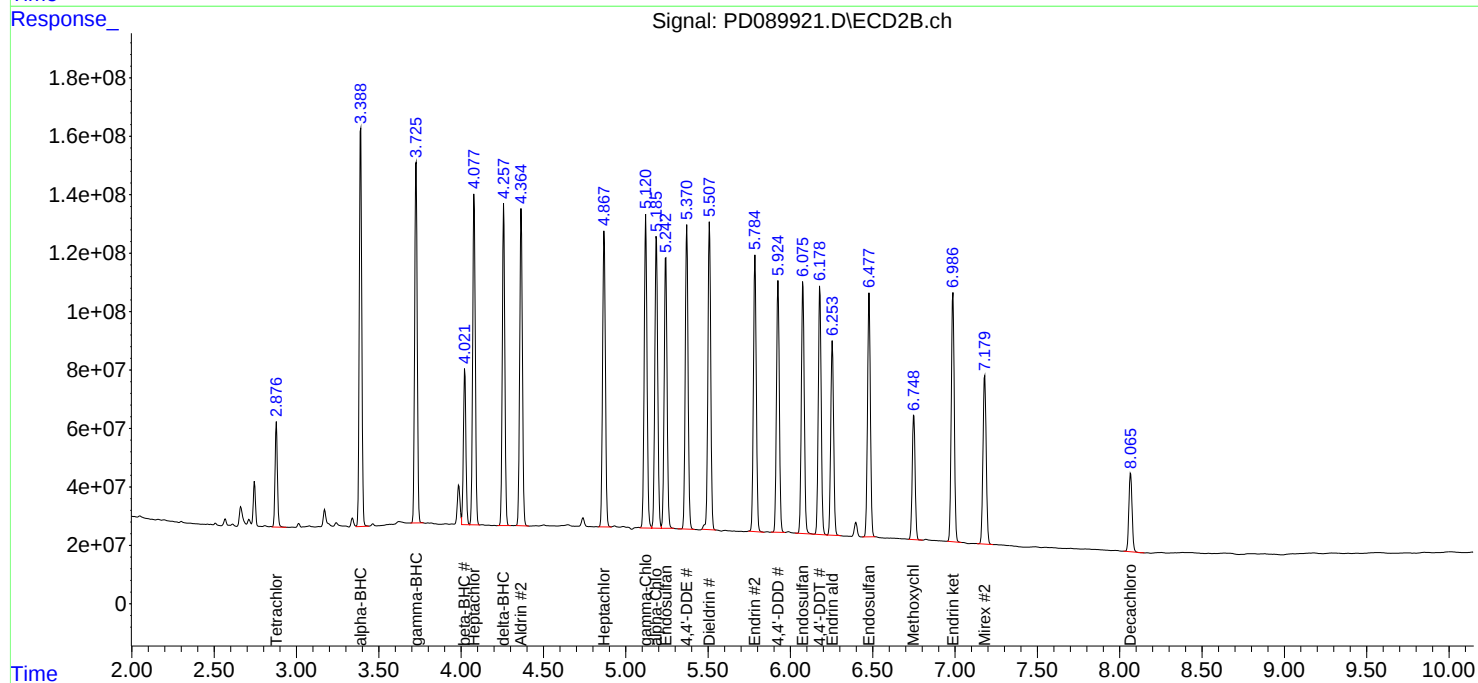
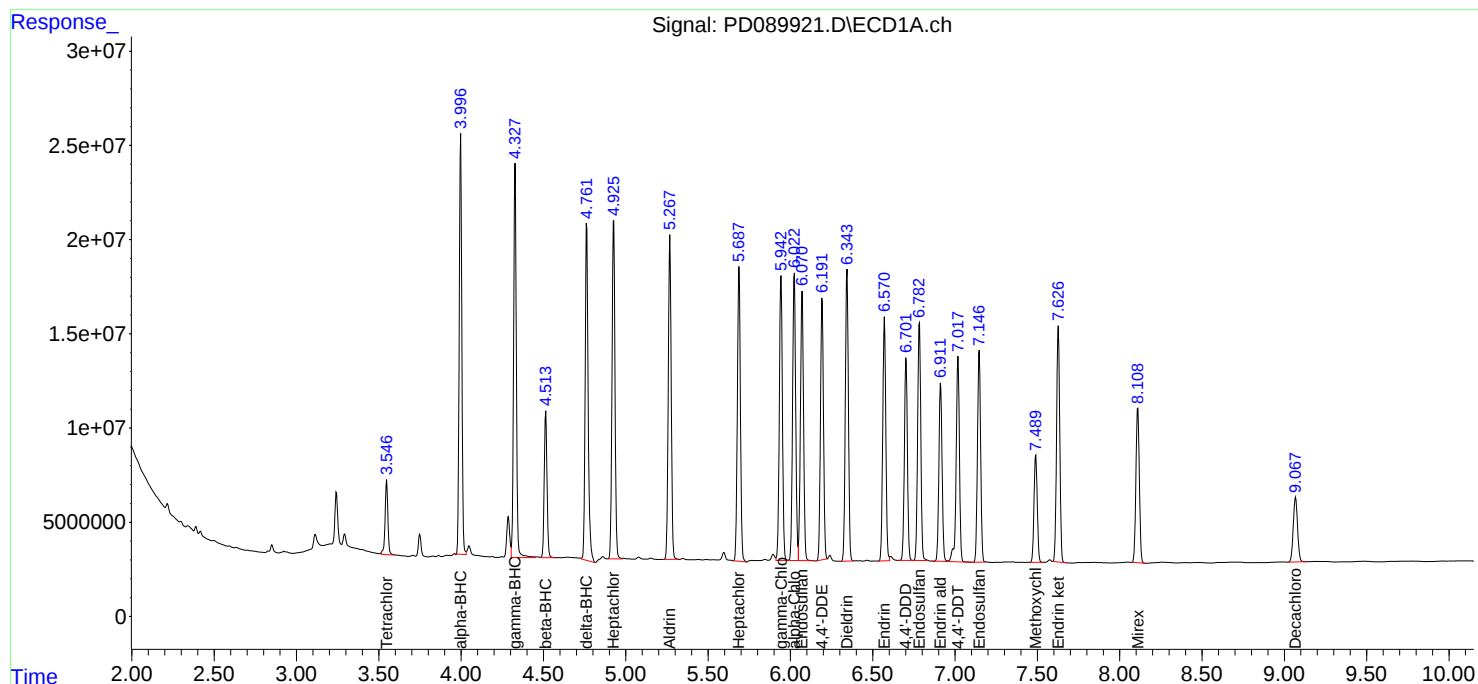
APPROVED

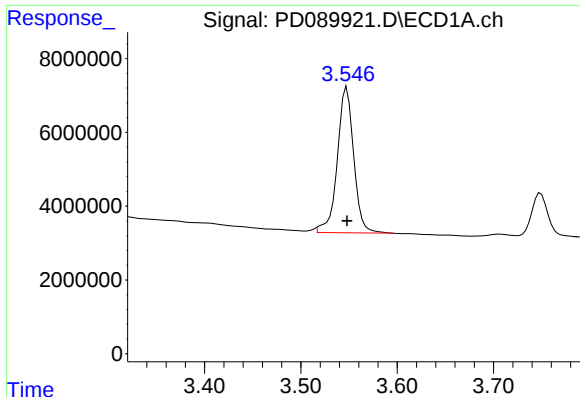
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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





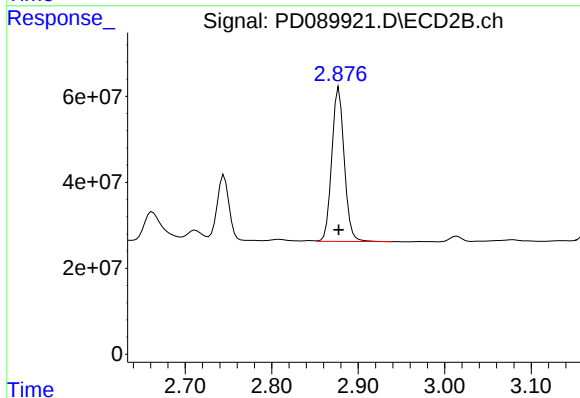
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 46526191
Conc: 18.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
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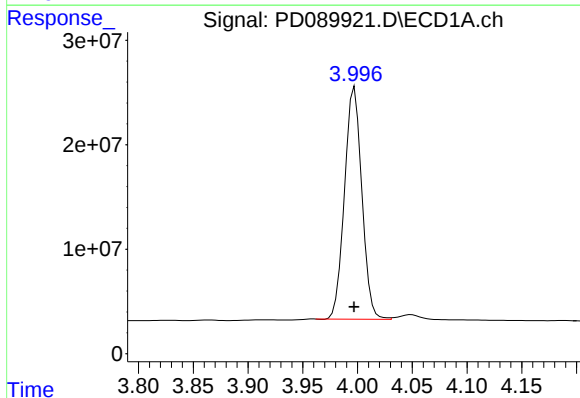
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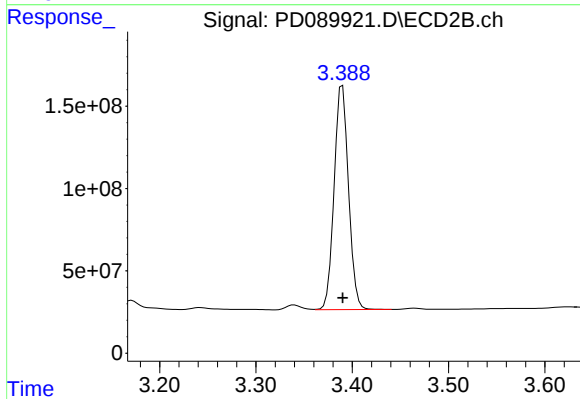
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 358183378
Conc: 22.62 ng/ml



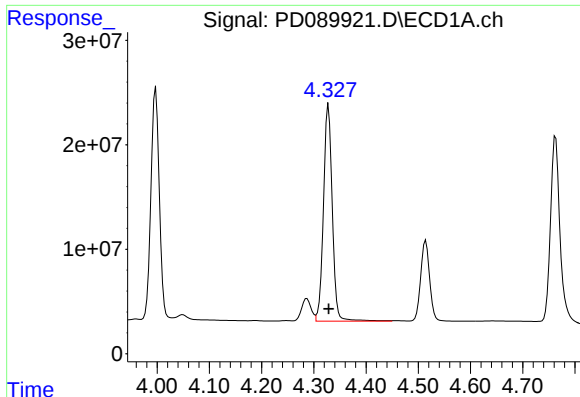
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 244990524
Conc: 49.46 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1417283413
Conc: 58.31 ng/ml



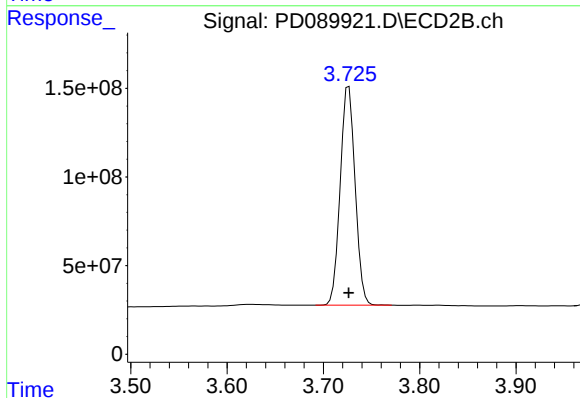
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 243704231
Conc: 51.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

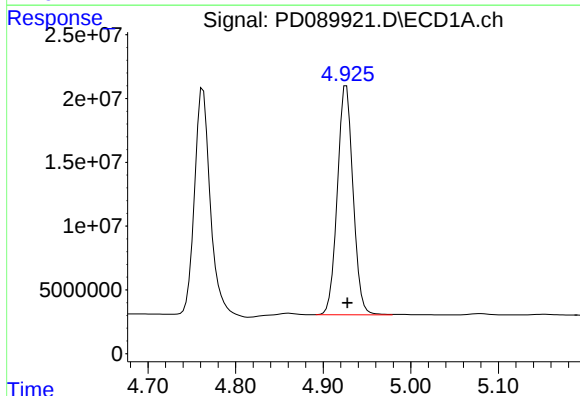
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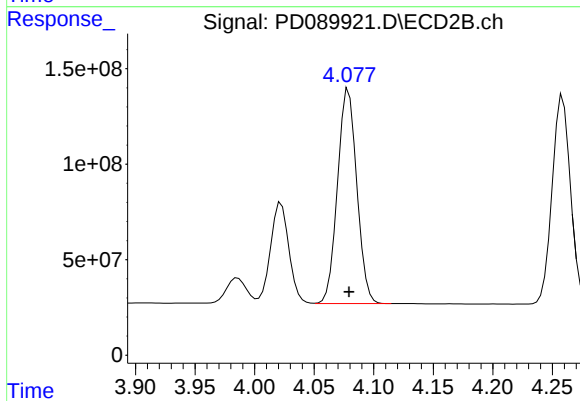
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1325333581
Conc: 58.84 ng/ml



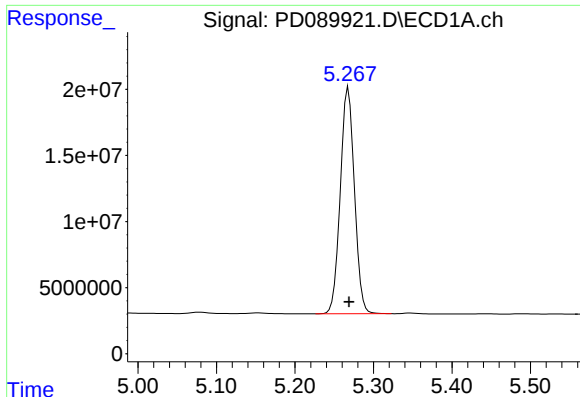
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 223359339
Conc: 46.42 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1267511972
Conc: 54.61 ng/ml



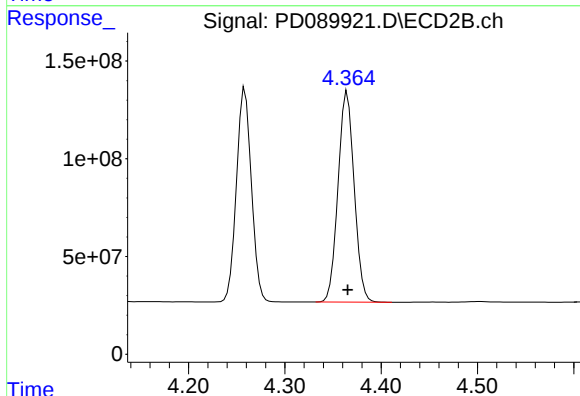
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 214318365
Conc: 46.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

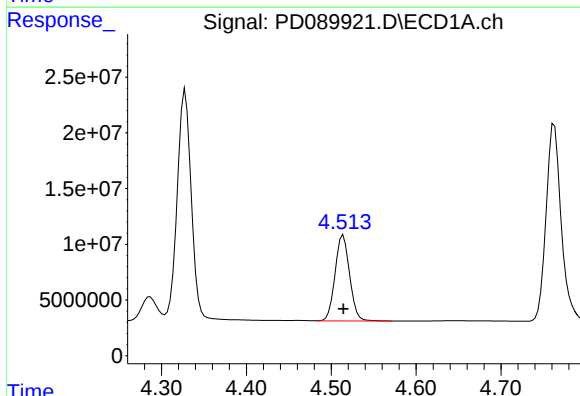
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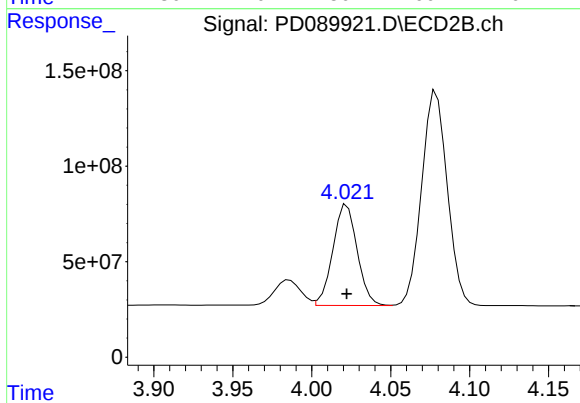
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1253516953
Conc: 56.34 ng/ml



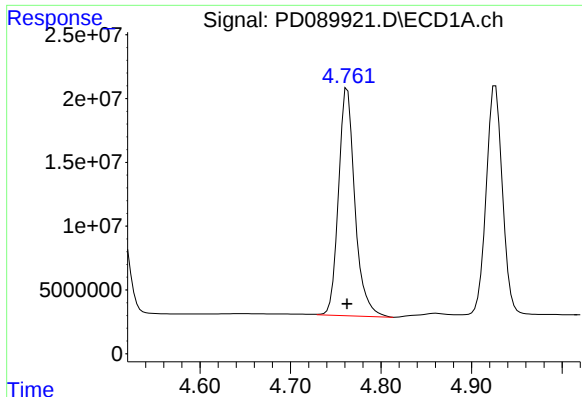
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 91766124
Conc: 49.75 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 566678292
Conc: 58.73 ng/ml



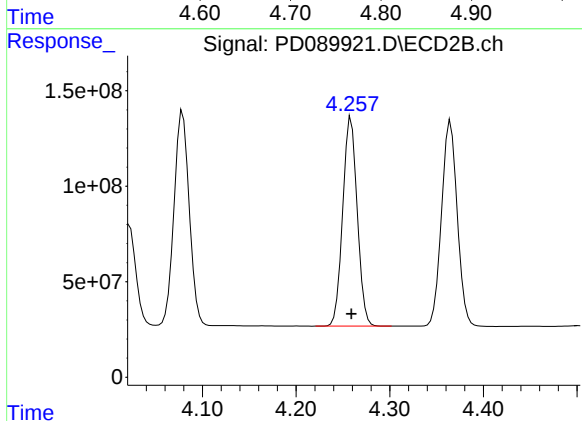
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 224396507
Conc: 48.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

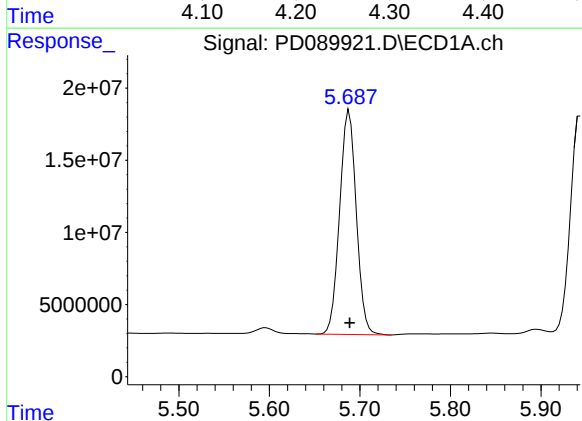
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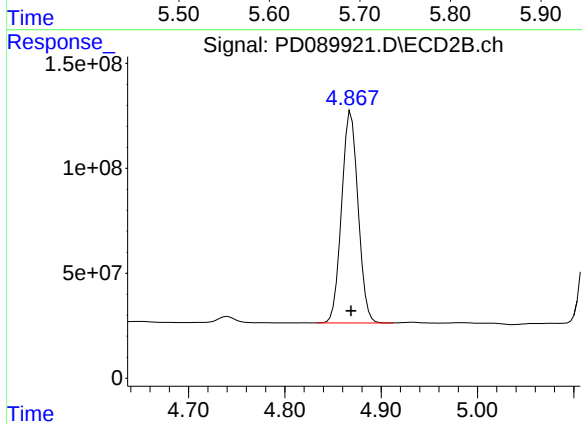
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1178556310
Conc: 51.88 ng/ml



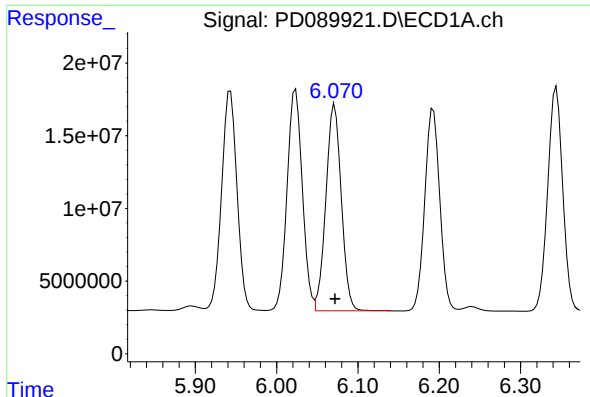
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 198740949
Conc: 47.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1195580807
Conc: 58.18 ng/ml



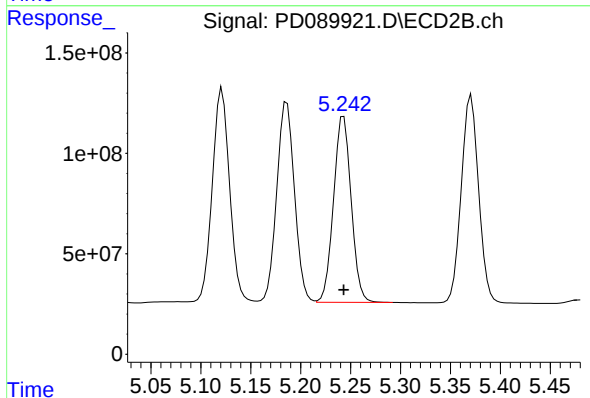
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 187592606
Conc: 47.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

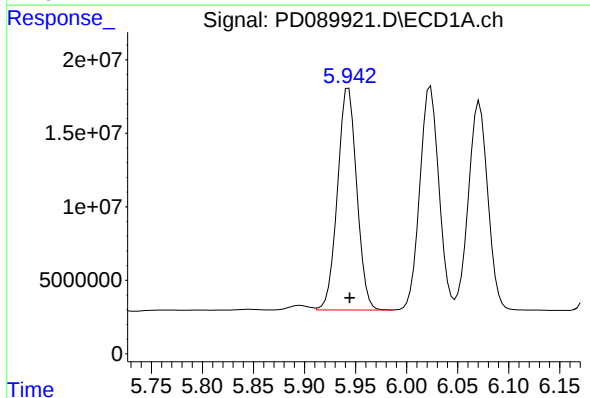
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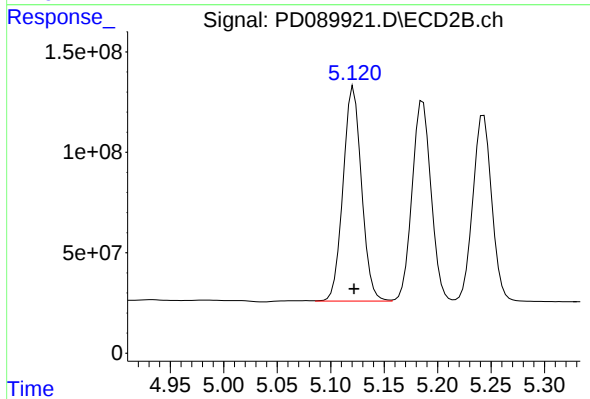
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1137115971
Conc: 58.17 ng/ml



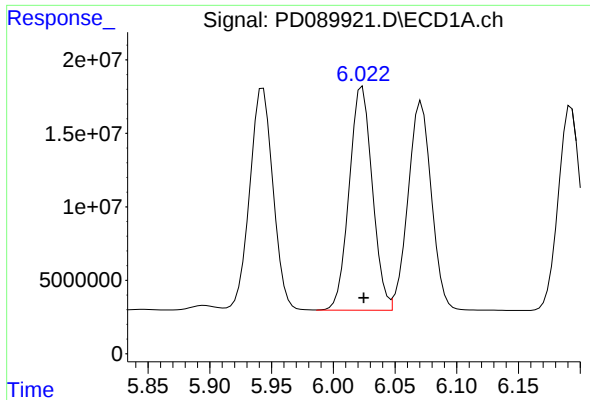
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 198721875
Conc: 47.55 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1284665245
Conc: 59.33 ng/ml



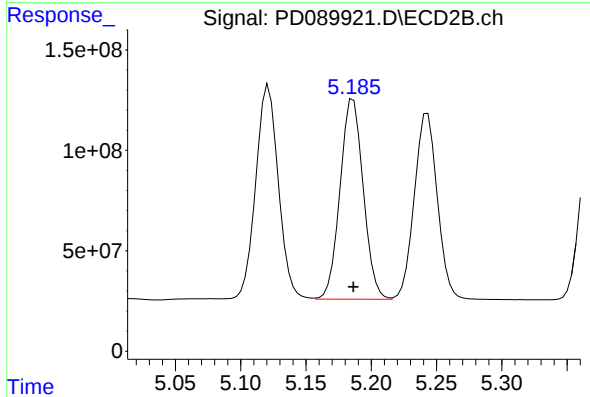
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.001 min
Response: 198587132
Conc: 47.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

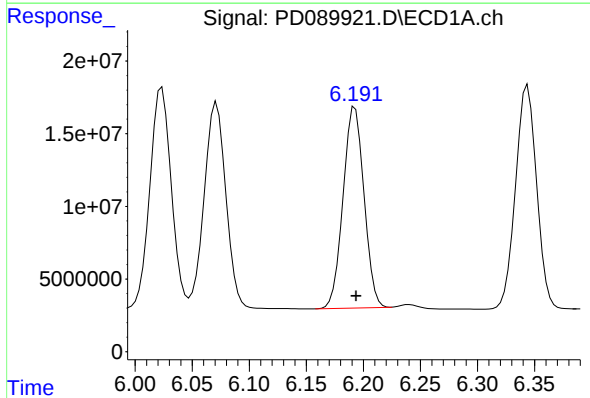
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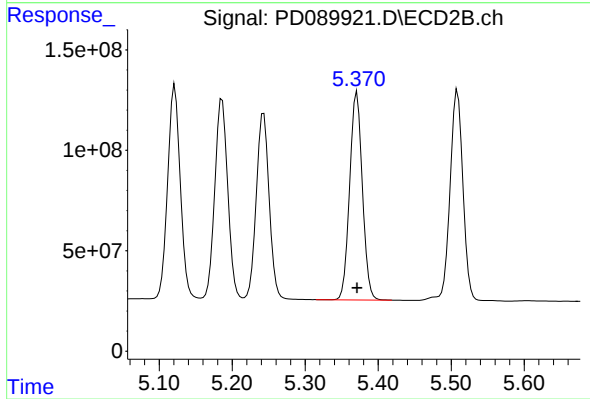
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1234328919
Conc: 59.28 ng/ml



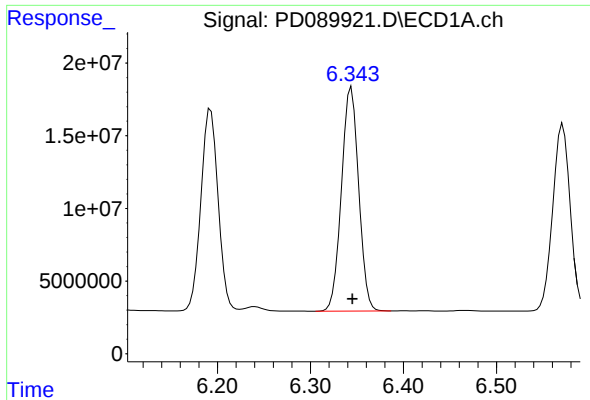
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 176817645
Conc: 47.41 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1249999879
Conc: 59.14 ng/ml



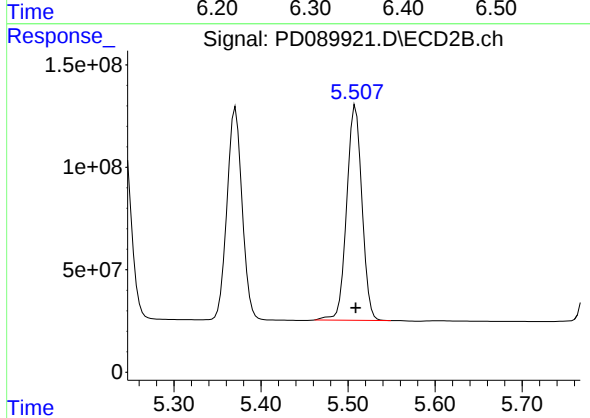
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: -0.001 min
Response: 198060381
Conc: 46.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

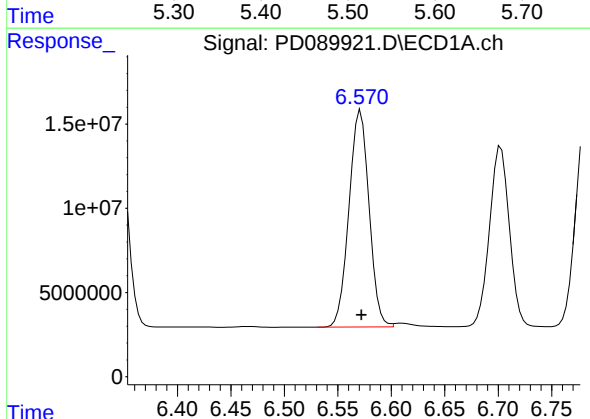
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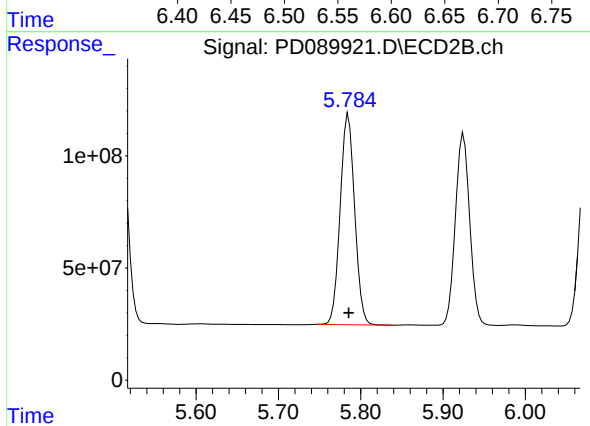
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1277142960
Conc: 59.02 ng/ml



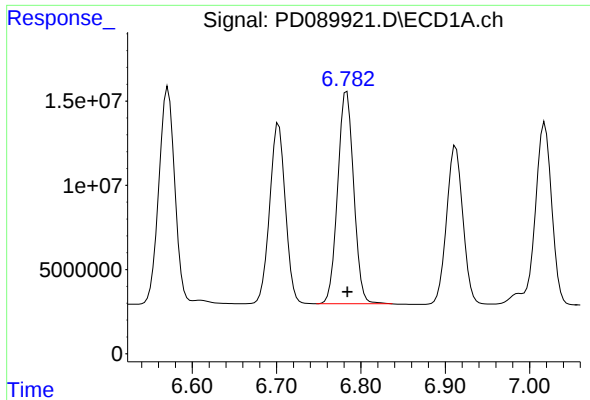
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 168277577
Conc: 47.03 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1149812467
Conc: 57.71 ng/ml



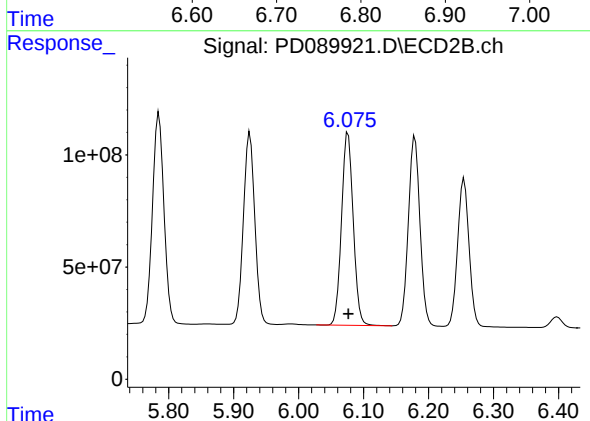
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 166381258
Conc: 45.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

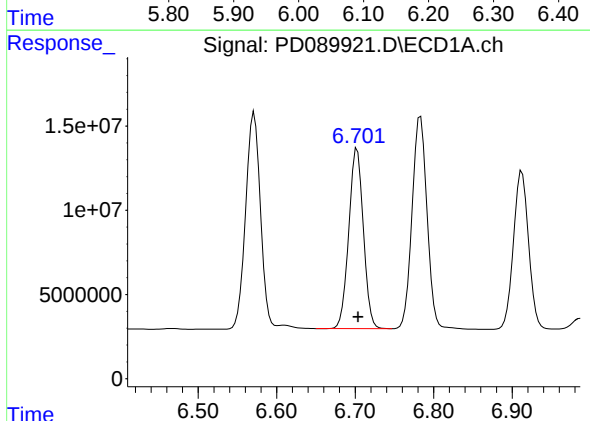
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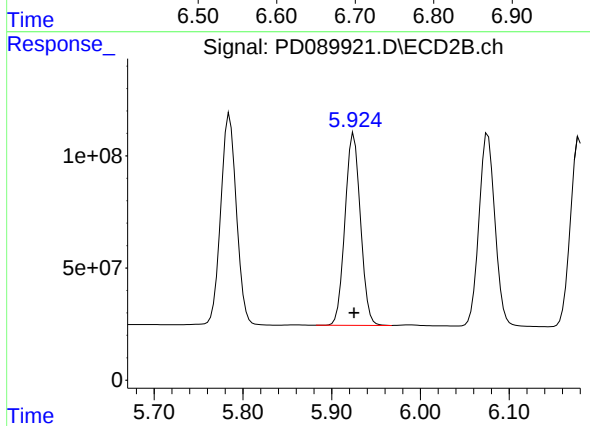
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1077512750
Conc: 57.32 ng/ml



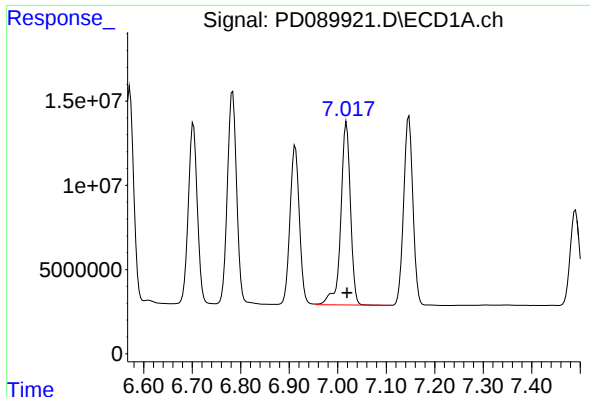
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 138260921
Conc: 46.17 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1035411807
Conc: 58.72 ng/ml



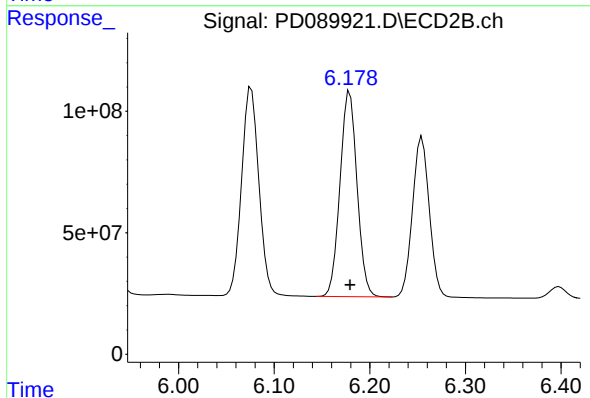
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 150891823
Conc: 44.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

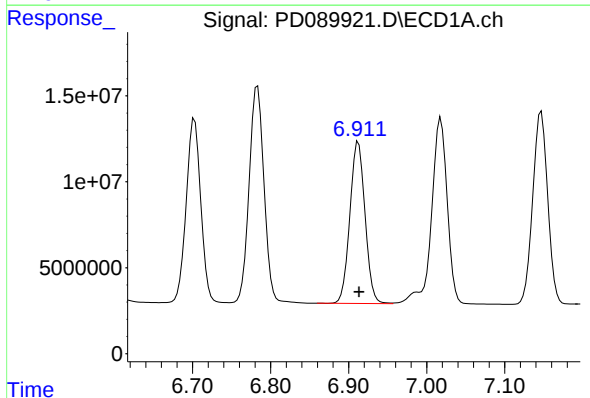
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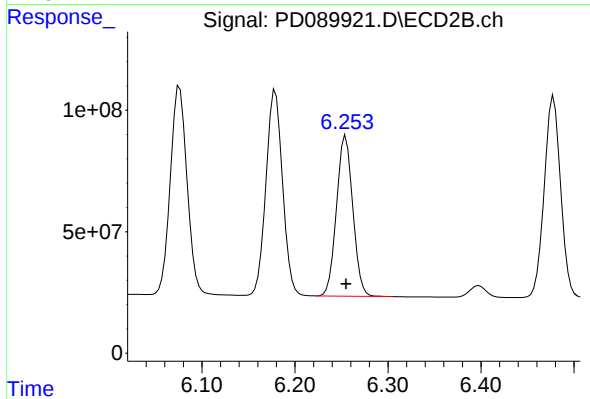
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1049190869
Conc: 57.11 ng/ml



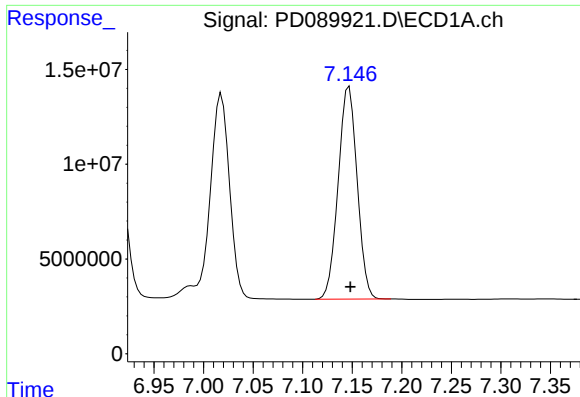
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 126858272
Conc: 50.83 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 804611819
Conc: 62.27 ng/ml



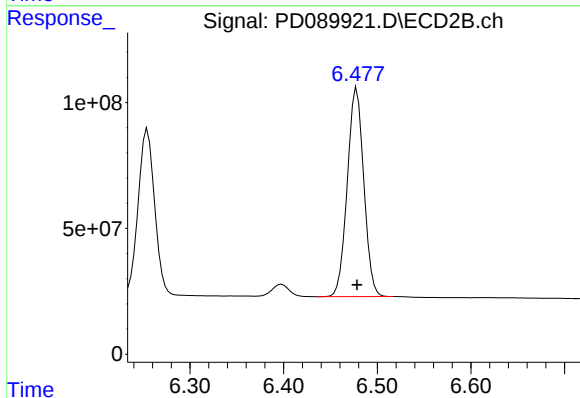
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 149469540
Conc: 43.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
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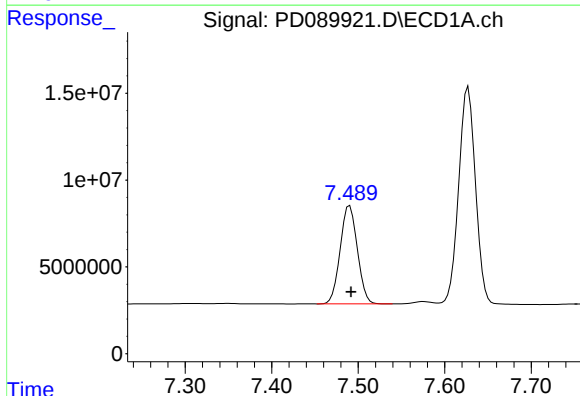
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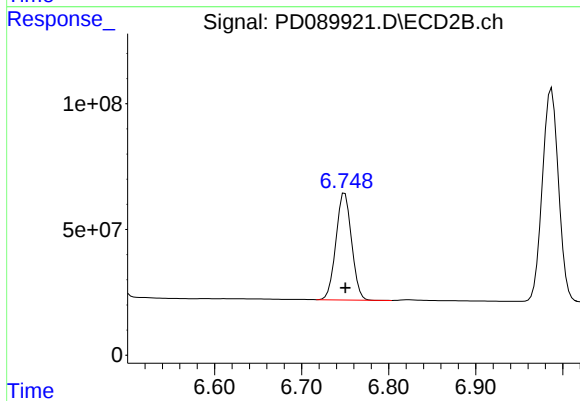
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1014769556
Conc: 54.66 ng/ml



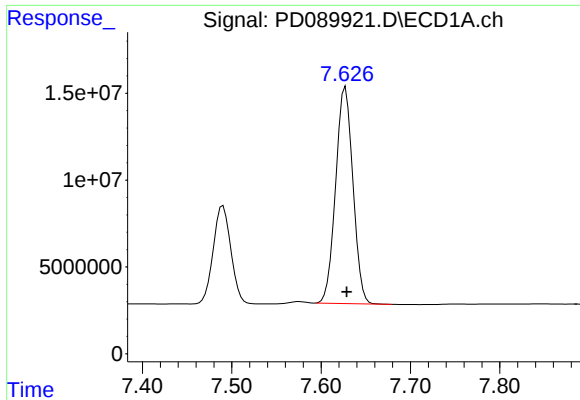
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 77673401
Conc: 43.44 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 530766742
Conc: 54.18 ng/ml



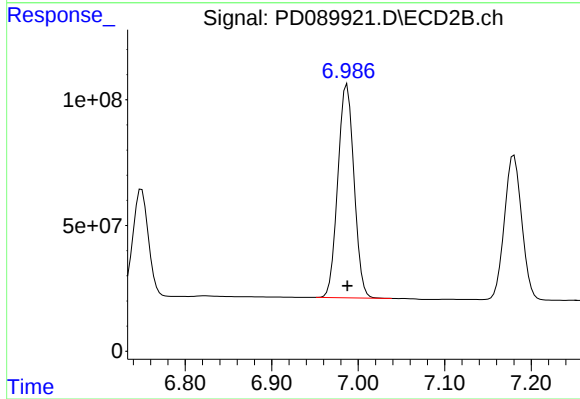
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 167494975
Conc: 45.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

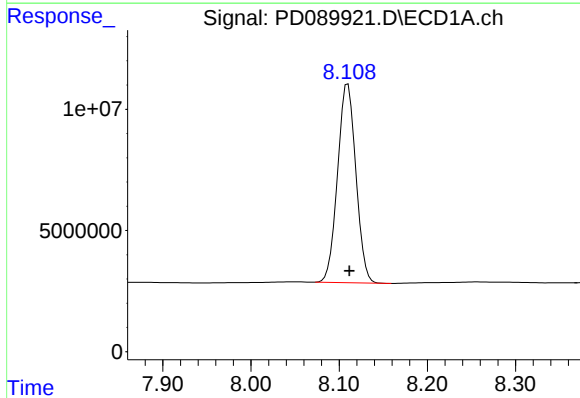
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



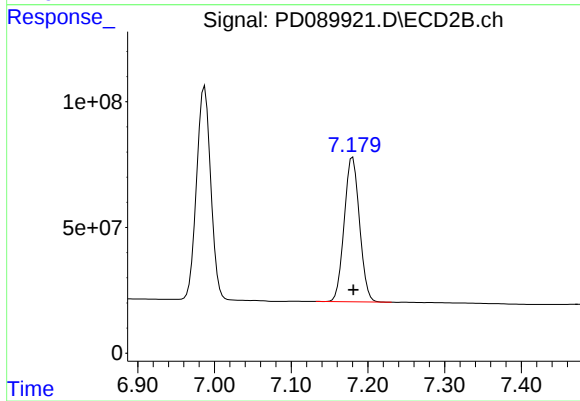
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1097183597
Conc: 54.67 ng/ml



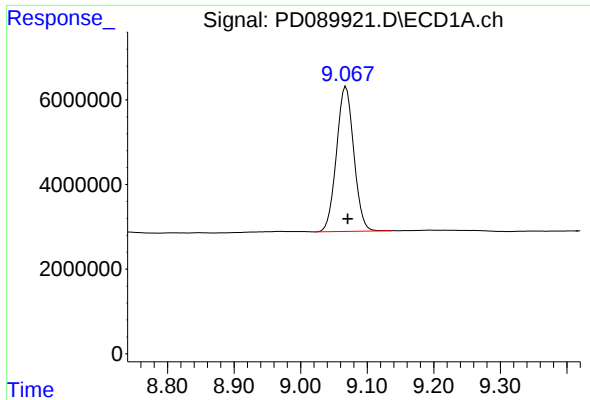
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.002 min
Response: 118318902
Conc: 42.43 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 799633000
Conc: 52.53 ng/ml



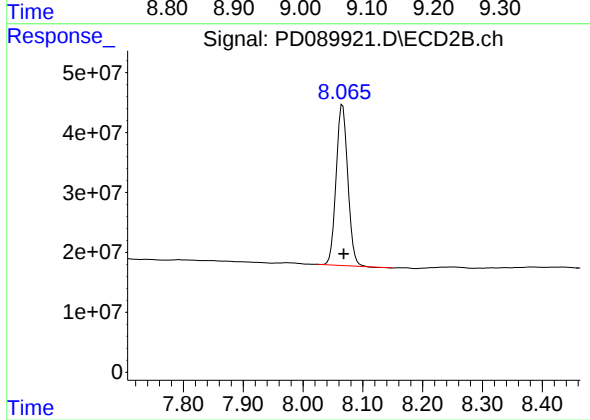
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 61704303
Conc: 16.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01MSD

Manual Integrations
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Supervised By :mohammad ahmed 08/19/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 364799922
Conc: 18.17 ng/ml