

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089266.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 13:35
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/02/2025
 Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:45:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.558	2.880	146.8E6	869.2E6	51.443	51.270
28)	SA Decachlor...	9.084	8.074	191.6E6	956.2E6	48.783	48.364
Target Compounds							
2)	A alpha-BHC	4.008	3.393	303.8E6	1344.6E6	52.123	50.178
3)	MA gamma-BHC...	4.339	3.728	284.1E6	1229.7E6	50.904	49.670m
4)	MA Heptachlor	4.938	4.083	270.7E6	1179.9E6	49.655	47.124
5)	MB Aldrin	5.280	4.370	271.7E6	1198.6E6	51.135	49.493
6)	B beta-BHC	4.524	4.026	108.0E6	513.5E6	48.946	47.781
7)	B delta-BHC	4.772	4.263	275.0E6	1216.4E6	53.574m	48.903
8)	B Heptachlo...	5.700	4.872	237.1E6	1086.7E6	49.158	49.625m
9)	A Endosulfan I	6.083	5.248	225.1E6	1049.6E6	49.945	50.359
10)	B gamma-Chl...	5.955	5.125	242.3E6	1162.3E6	50.612	48.584m
11)	B alpha-Chl...	6.036	5.192	240.5E6	1150.2E6	49.710	50.235
12)	B 4,4'-DDE	6.205	5.376	213.1E6	1122.0E6	48.859	48.962
13)	MA Dieldrin	6.356	5.512	240.5E6	1133.4E6	50.137	48.834m
14)	MA Endrin	6.583	5.791	192.3E6	1041.3E6	46.608	47.957
15)	B Endosulfa...	6.795	6.082	197.5E6	983.7E6	48.921	48.704
16)	A 4,4'-DDD	6.715	5.931	177.3E6	901.4E6	51.663	47.119
17)	MA 4,4'-DDT	7.030	6.185	164.2E6	871.1E6	43.336	42.954
18)	B Endrin al...	6.923	6.260	145.8E6	722.7E6	47.590m	47.201
19)	B Endosulfa...	7.158	6.484	185.0E6	943.0E6	48.218	48.062
20)	A Methoxychlor	7.502	6.756	100.1E6	531.7E6	49.562	49.374
21)	B Endrin ke...	7.639	6.993	198.5E6	1055.3E6	48.725	48.854
22)	Mirex	8.123	7.186	145.6E6	790.0E6	47.891	47.365m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 13:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

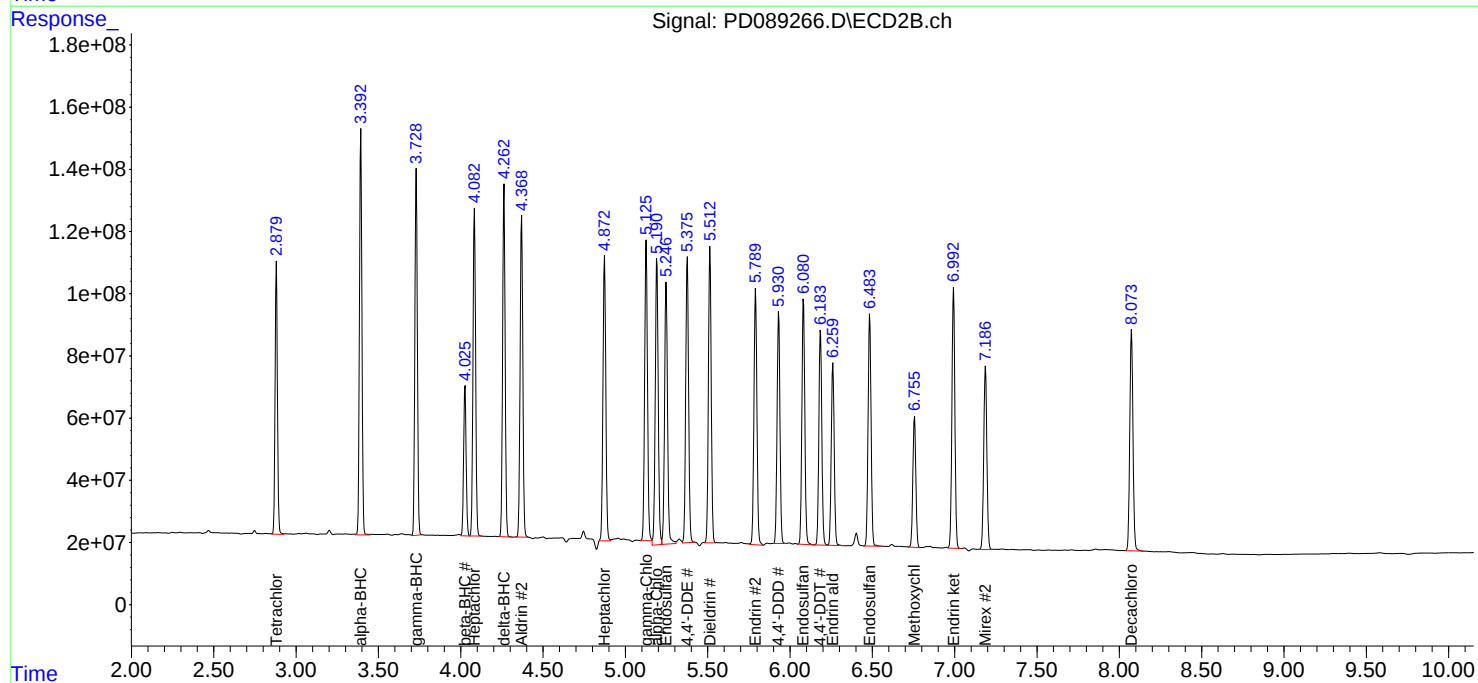
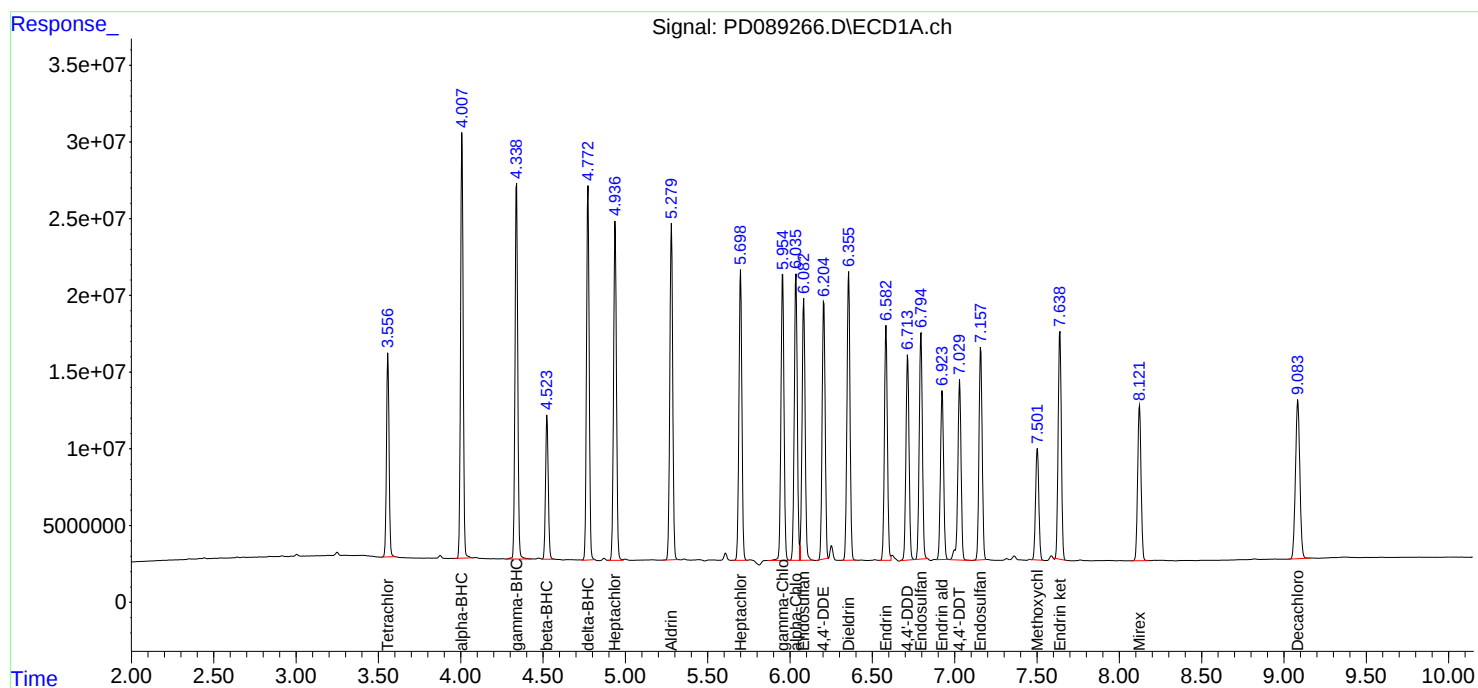
APPROVED

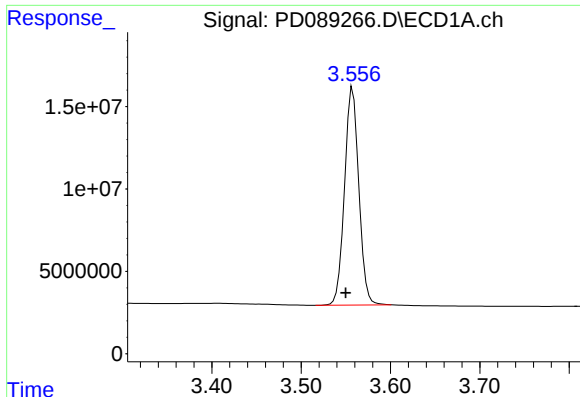
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:45:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





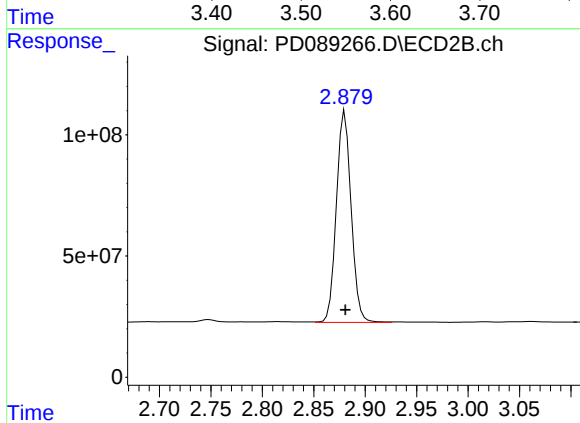
#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: 0.008 min
Response: 146774844
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

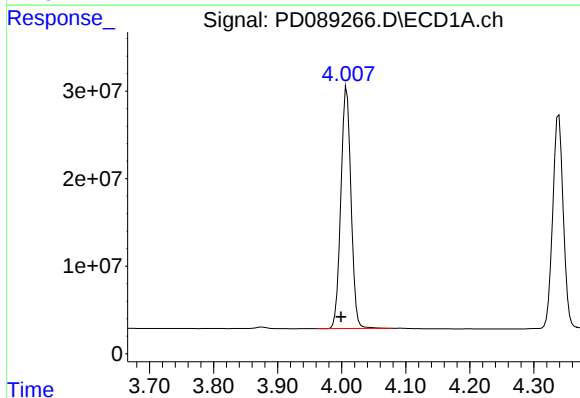
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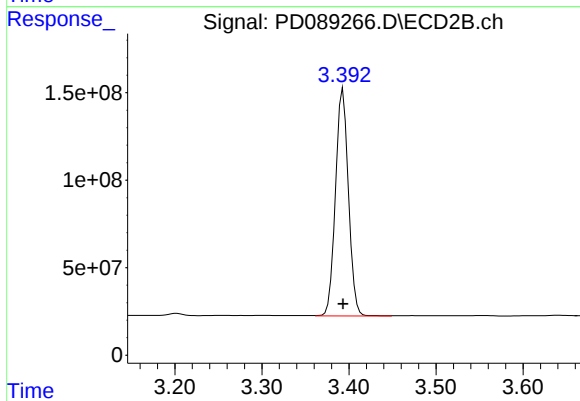
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 869191826
Conc: 51.27 ng/ml



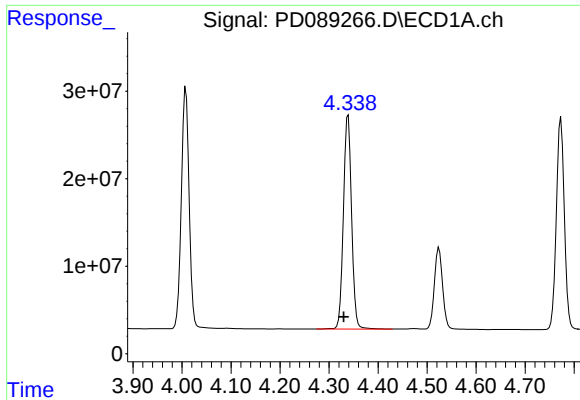
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.009 min
Response: 303828491
Conc: 52.12 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1344637302
Conc: 50.18 ng/ml



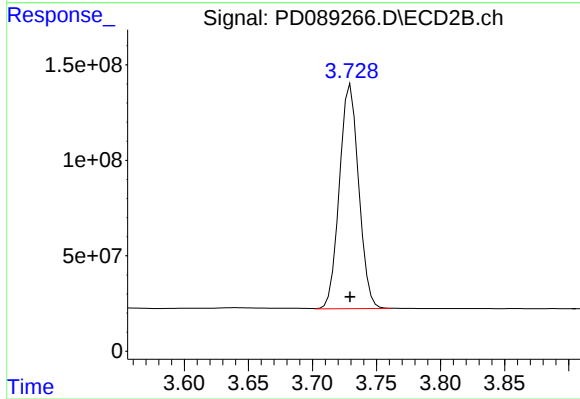
#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: 0.009 min
Response: 284131862
Conc: 50.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

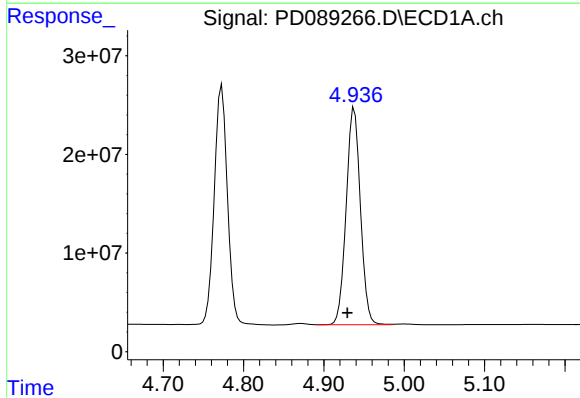
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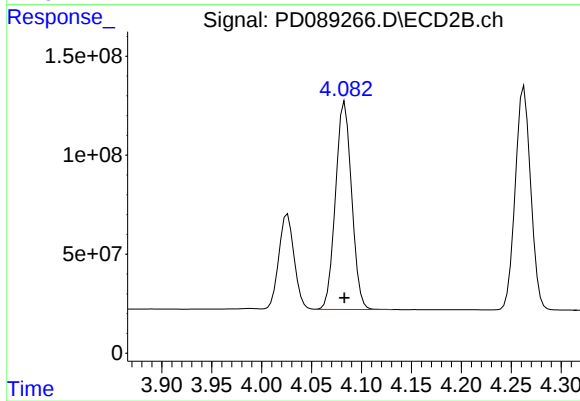
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1229675777
Conc: 49.67 ng/ml m



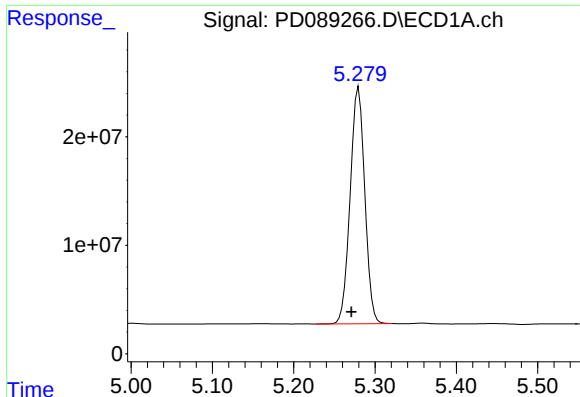
#4 Heptachlor

R.T.: 4.938 min
Delta R.T.: 0.008 min
Response: 270715864
Conc: 49.65 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1179904517
Conc: 47.12 ng/ml



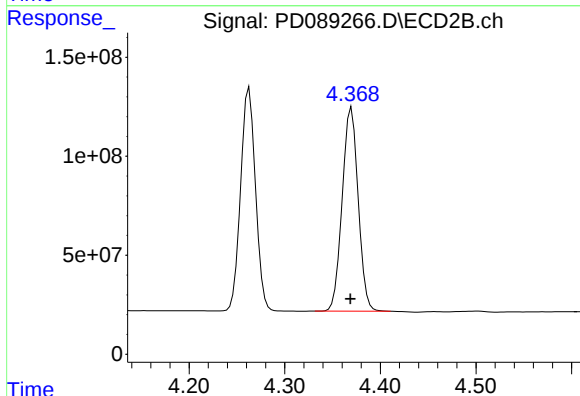
#5 Aldrin

R.T.: 5.280 min
Delta R.T.: 0.009 min
Response: 271680851
Conc: 51.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

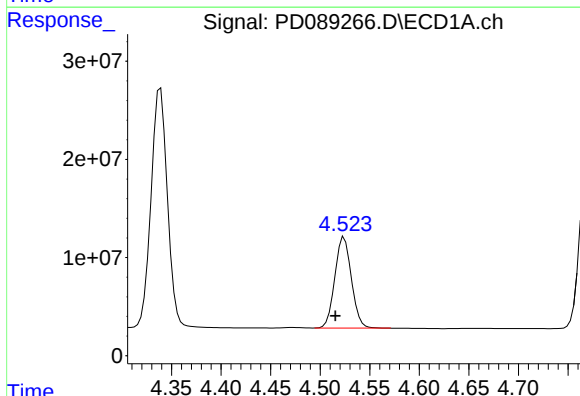
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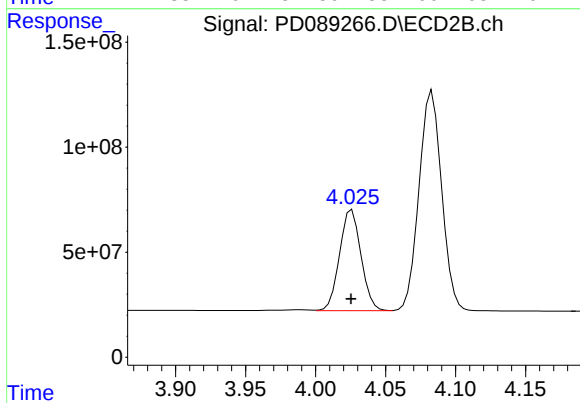
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.001 min
Response: 1198579805
Conc: 49.49 ng/ml



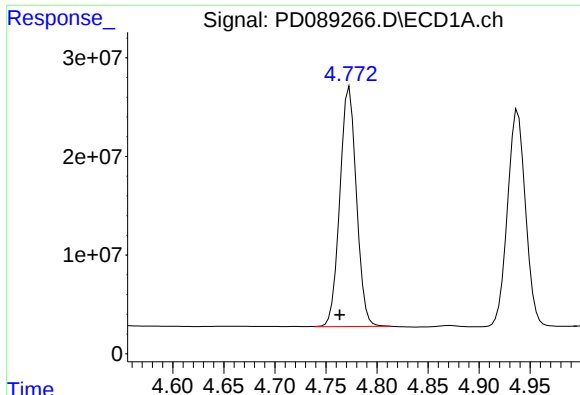
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.009 min
Response: 108030094
Conc: 48.95 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 513464035
Conc: 47.78 ng/ml



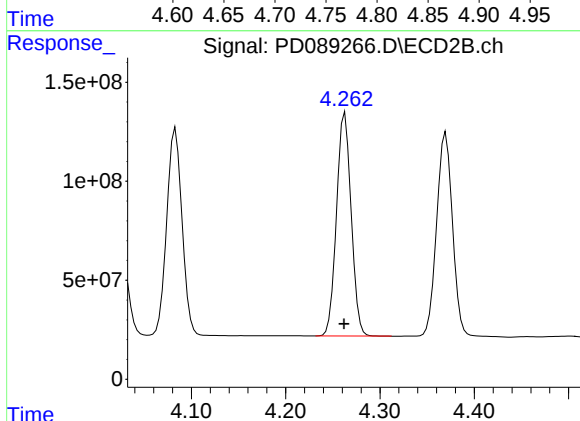
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.008 min
Response: 274991151
Conc: 53.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

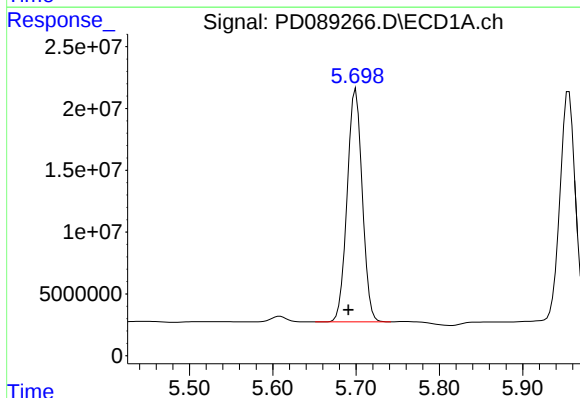
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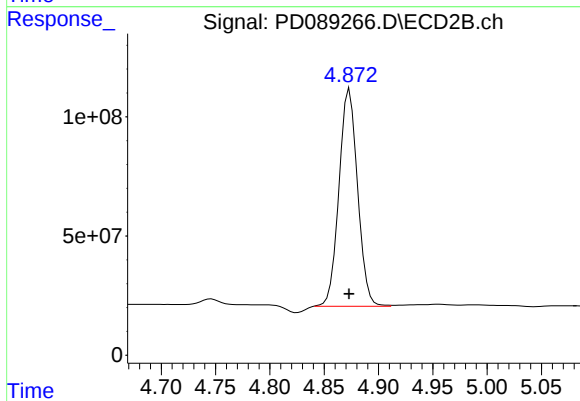
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.001 min
Response: 1216391626
Conc: 48.90 ng/ml



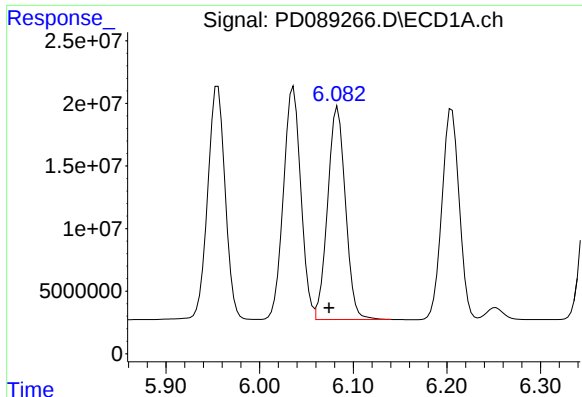
#8 Heptachlor epoxide

R.T.: 5.700 min
Delta R.T.: 0.009 min
Response: 237132786
Conc: 49.16 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1086687160
Conc: 49.62 ng/ml m



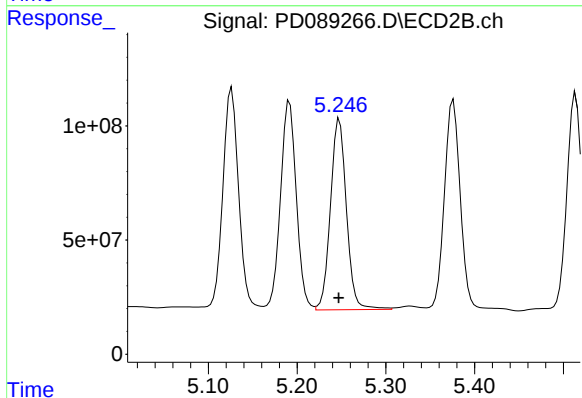
#9 Endosulfan I

R.T.: 6.083 min
Delta R.T.: 0.009 min
Response: 225123606
Conc: 49.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

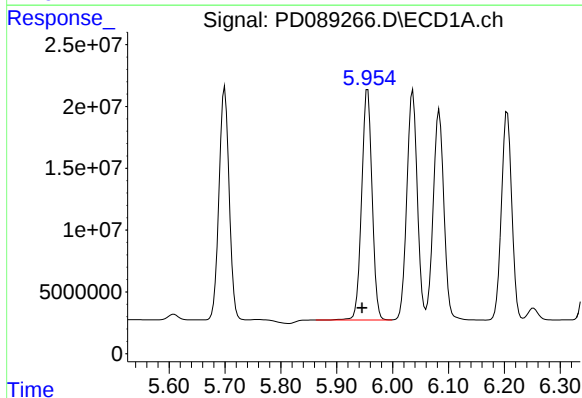
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Supervised By :mohammad ahmed 07/04/2025



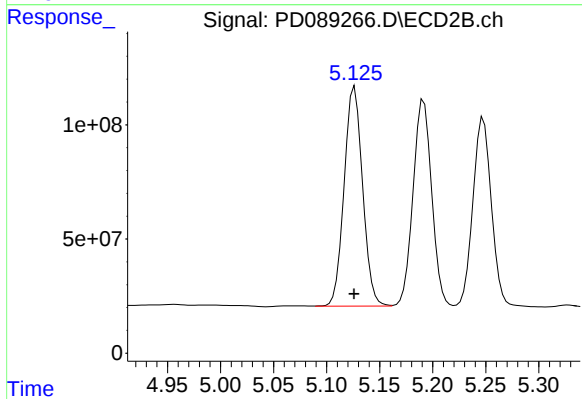
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 1049595555
Conc: 50.36 ng/ml



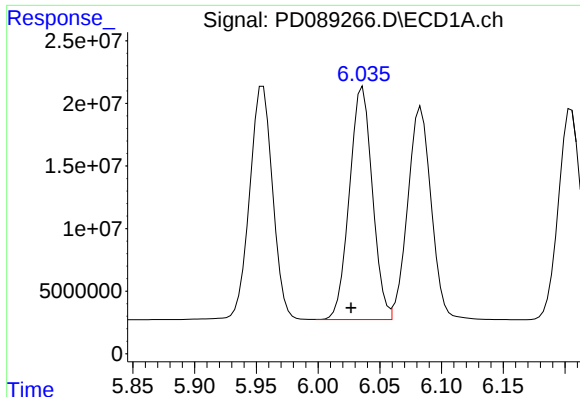
#10 gamma-Chlordane

R.T.: 5.955 min
Delta R.T.: 0.010 min
Response: 242336305
Conc: 50.61 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1162271737
Conc: 48.58 ng/ml m



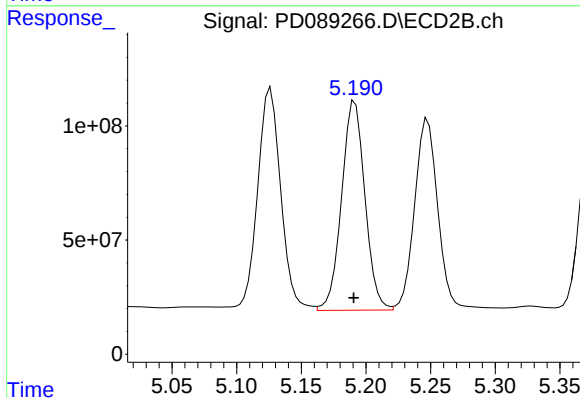
#11 alpha-Chlordane

R.T.: 6.036 min
Delta R.T.: 0.009 min
Response: 240523551
Conc: 49.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

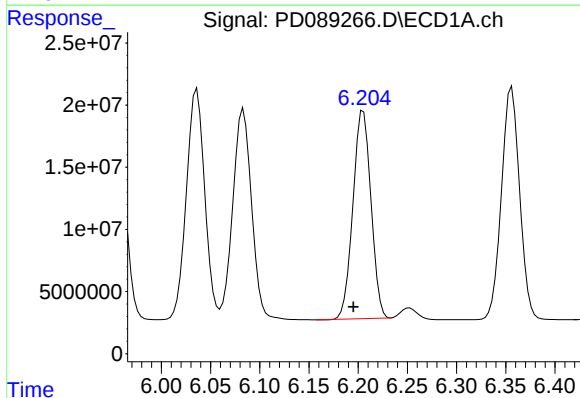
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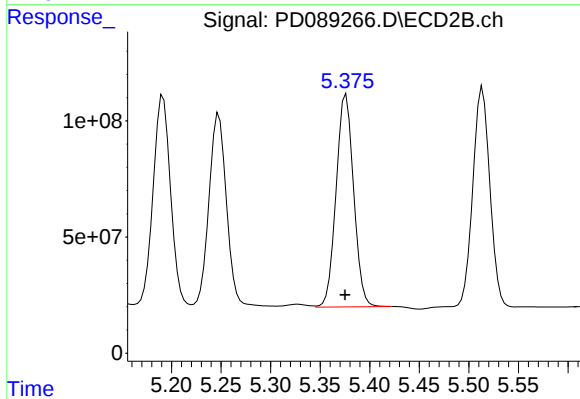
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 1150212160
Conc: 50.23 ng/ml



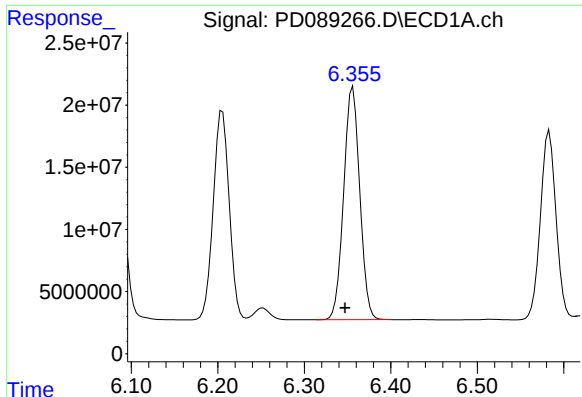
#12 4,4'-DDE

R.T.: 6.205 min
Delta R.T.: 0.010 min
Response: 213076714
Conc: 48.86 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.001 min
Response: 1122024441
Conc: 48.96 ng/ml



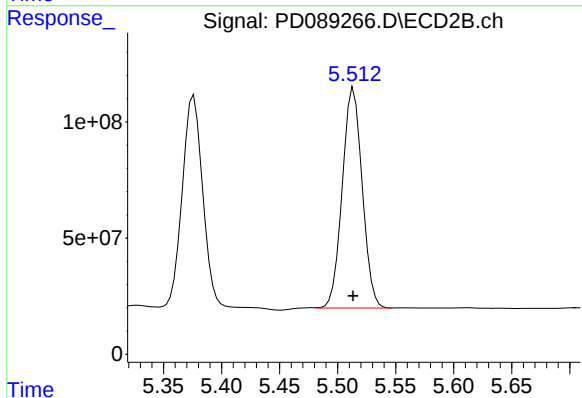
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.009 min
Response: 240528393
Conc: 50.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

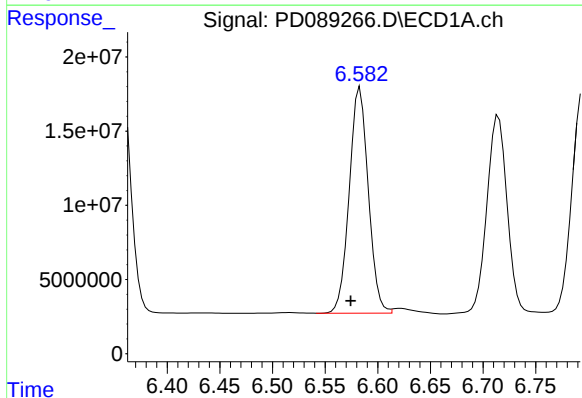
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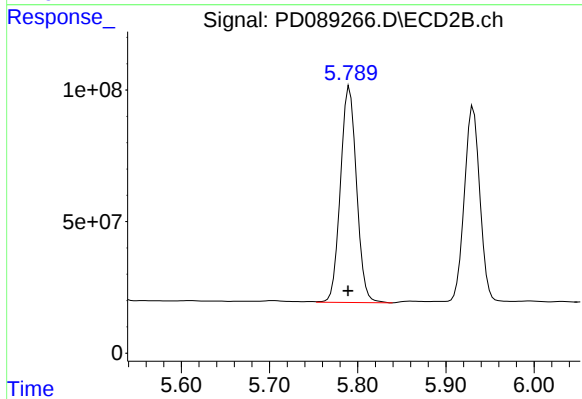
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 1133364967
Conc: 48.83 ng/ml m



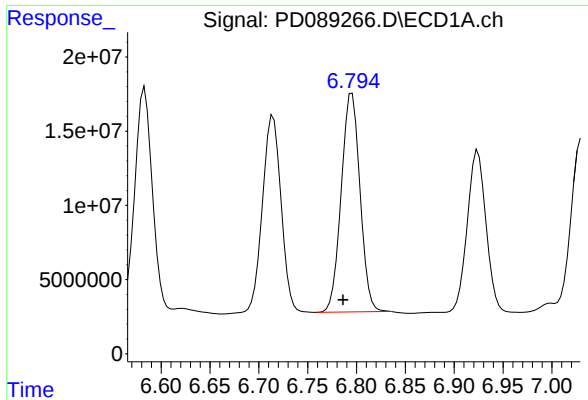
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.009 min
Response: 192284941
Conc: 46.61 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 1041342541
Conc: 47.96 ng/ml



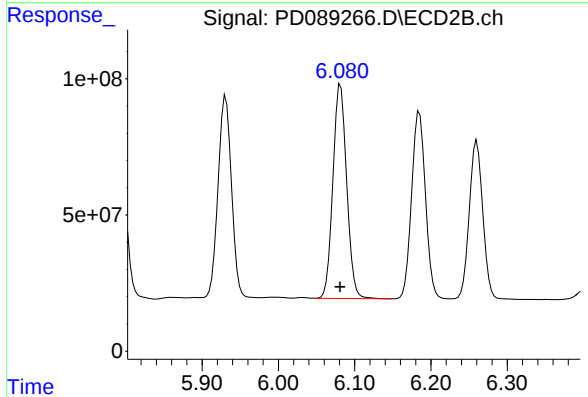
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.009 min
Response: 197475934
Conc: 48.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

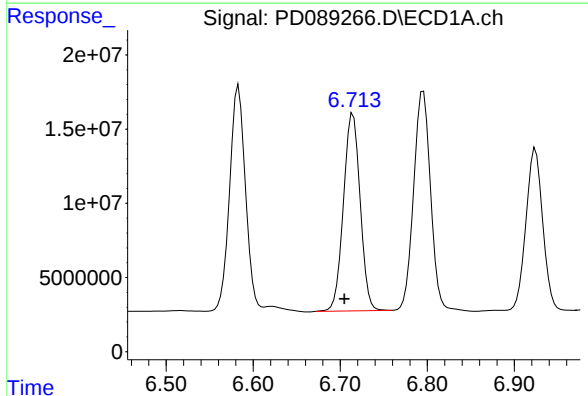
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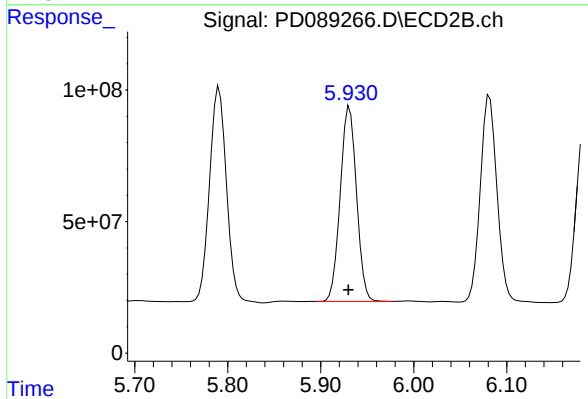
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 983661519
Conc: 48.70 ng/ml



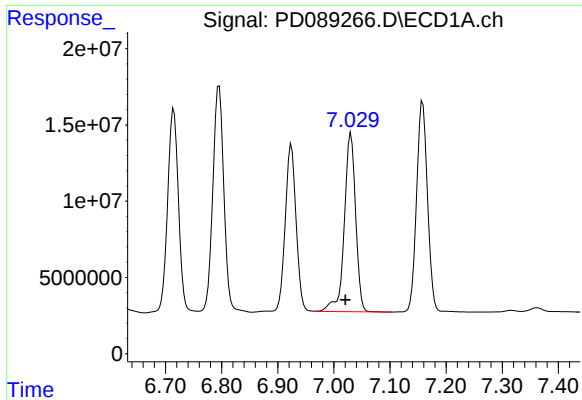
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.010 min
Response: 177310782
Conc: 51.66 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 901366784
Conc: 47.12 ng/ml



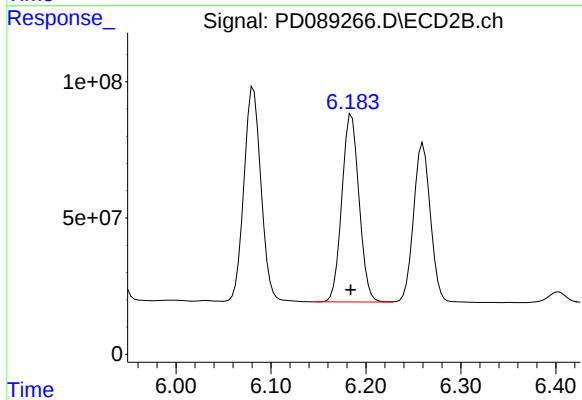
#17 4,4'-DDT

R.T.: 7.030 min
Delta R.T.: 0.010 min
Response: 164166980
Conc: 43.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

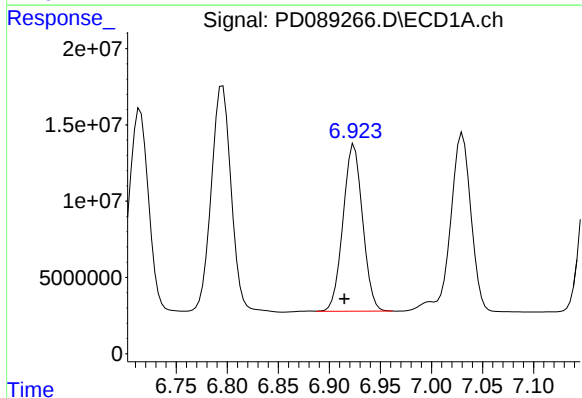
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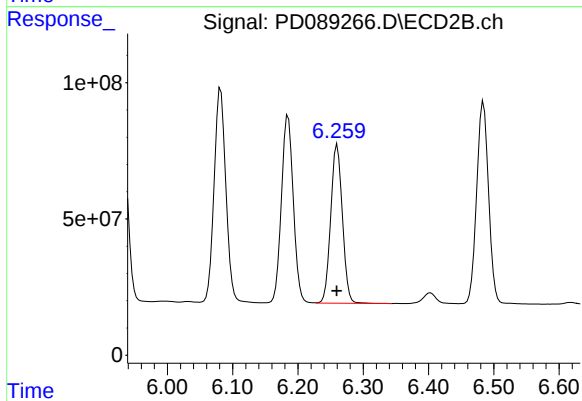
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: 0.000 min
Response: 871076007
Conc: 42.95 ng/ml



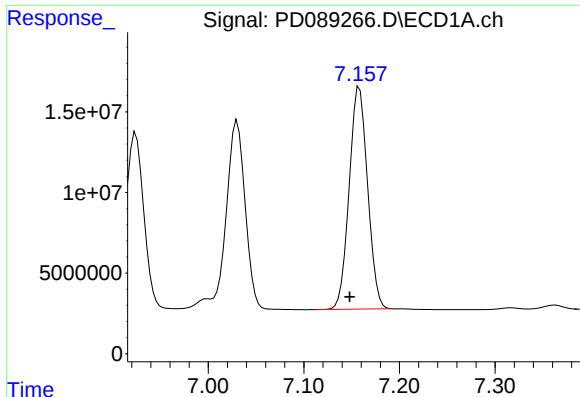
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.008 min
Response: 145812664
Conc: 47.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: 0.001 min
Response: 722704981
Conc: 47.20 ng/ml



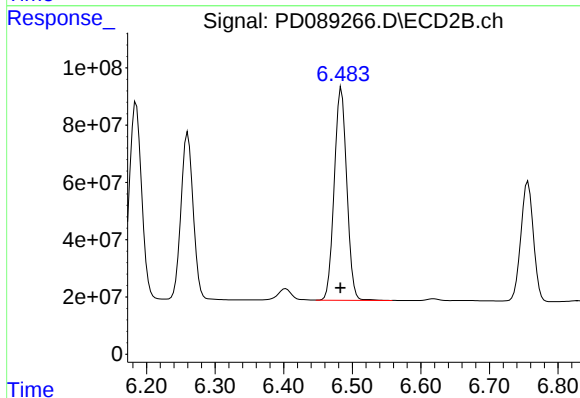
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.010 min
Response: 185023100
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

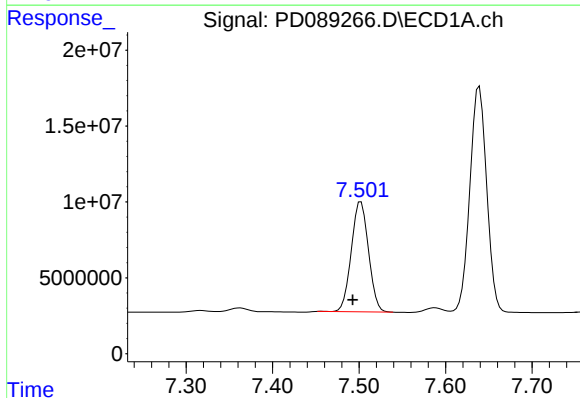
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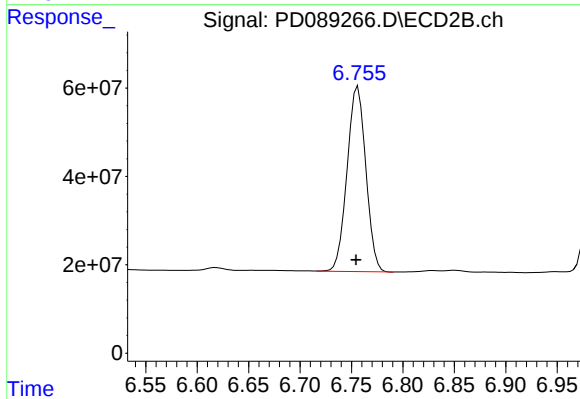
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: 0.002 min
Response: 943018509
Conc: 48.06 ng/ml



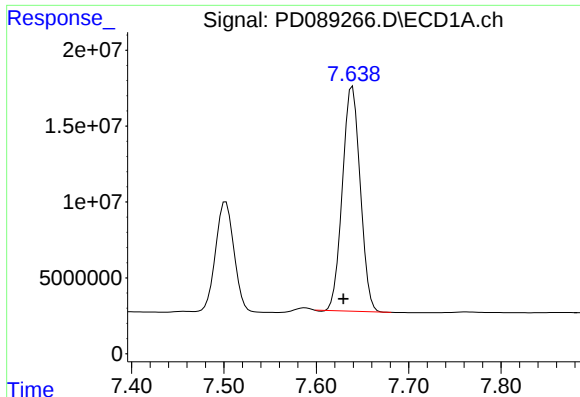
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.009 min
Response: 100146434
Conc: 49.56 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: 0.002 min
Response: 531660276
Conc: 49.37 ng/ml



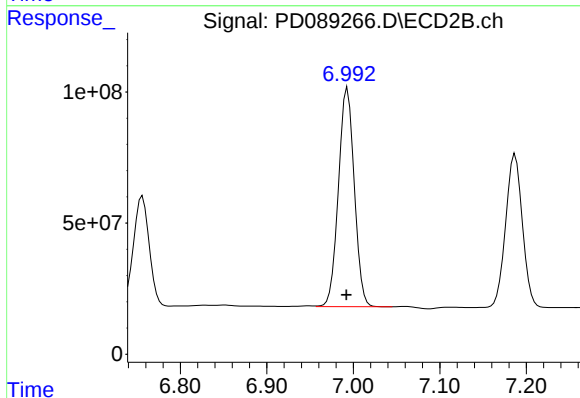
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.010 min
Response: 198458759
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

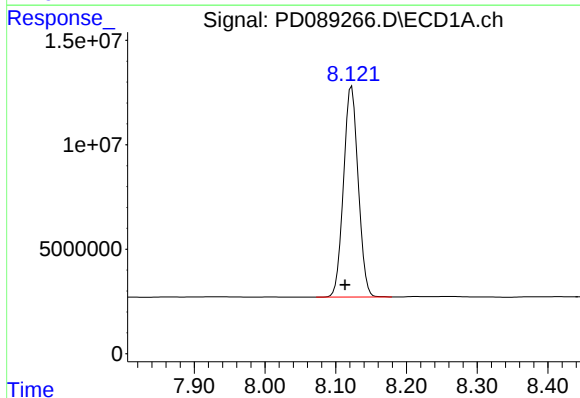
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



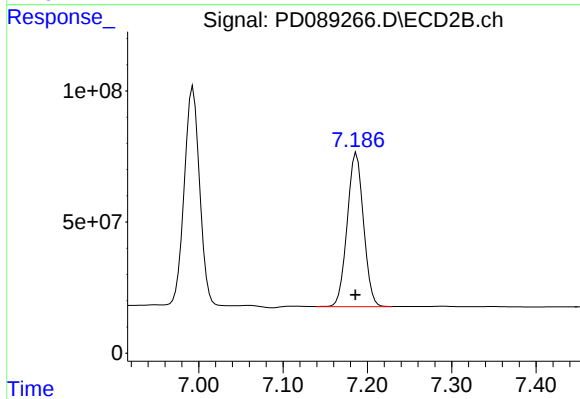
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: 0.001 min
Response: 1055325299
Conc: 48.85 ng/ml



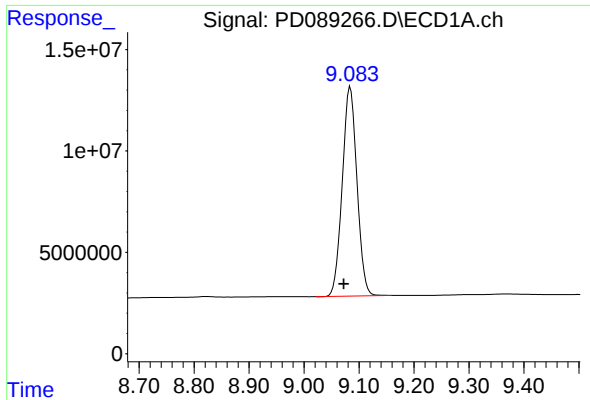
#22 Mirex

R.T.: 8.123 min
Delta R.T.: 0.009 min
Response: 145596052
Conc: 47.89 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 789966264
Conc: 47.37 ng/ml m



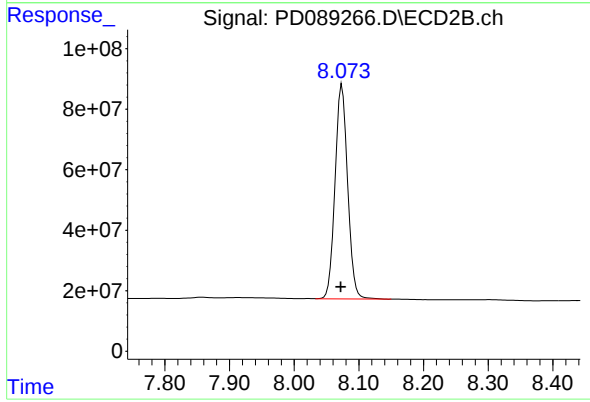
#28 Decachlorobiphenyl

R.T.: 9.084 min
Delta R.T.: 0.012 min
Response: 191600927
Conc: 48.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 07/04/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: 0.002 min
Response: 956163006
Conc: 48.36 ng/ml