

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089351.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:09
 Operator : AR\AJ
 Sample : Q2493-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-11MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/09/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:24:42 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...	3.549	2.879	46233945	312.4E6	16.205	18.429m
28)	SA Decachlor...	9.070	8.069	49284681	216.4E6	12.548	10.947
Target Compounds							
2)	A alpha-BHC	3.997	3.391	258.3E6	1304.2E6	44.314m	48.670m
3)	MA gamma-BHC...	4.329	3.729	254.1E6	1186.4E6	45.525	47.921
4)	MA Heptachlor	4.928	4.082	239.3E6	1192.2E6	43.887	47.613
5)	MB Aldrin	5.269	4.367	223.5E6	1156.9E6	42.067	47.771
6)	B beta-BHC	4.515	4.024	95980315	517.6E6	43.486	48.165
7)	B delta-BHC	4.763	4.261	240.3E6	1198.6E6	46.812	48.186
8)	B Heptachlo...	5.689	4.871	195.3E6	1059.9E6	40.490	48.404
9)	A Endosulfan I	6.073	5.246	181.6E6	941.2E6	40.294	45.156
10)	B gamma-Chl...	5.944	5.124	190.6E6	1097.6E6	39.813	45.879
11)	B alpha-Chl...	6.026	5.188	194.4E6	1043.1E6	40.185	45.556
12)	B 4,4'-DDE	6.194	5.373	171.8E6	1024.6E6	39.383	44.710
13)	MA Dieldrin	6.345	5.511	185.9E6	1034.2E6	38.757	44.561
14)	MA Endrin	6.573	5.787	159.3E6	940.2E6	38.604	43.301
15)	B Endosulfa...	6.784	6.079	147.1E6	829.9E6	36.451	41.090
16)	A 4,4'-DDD	6.703	5.928	130.3E6	748.8E6	37.952	39.146
17)	MA 4,4'-DDT	7.019	6.182	138.2E6	825.6E6	36.469	40.712
18)	B Endrin al...	6.913	6.257	115.0E6	607.5E6	37.540	39.676
19)	B Endosulfa...	7.148	6.480	139.0E6	766.4E6	36.224	39.060
20)	A Methoxychlor	7.491	6.752	66103607	381.3E6	32.714	35.410
21)	B Endrin ke...	7.628	6.989	144.1E6	724.4E6	35.379	33.532
22)	Mirex	8.112	7.183	99825634	547.9E6	32.836	32.849

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:09
Operator : AR\AJ
Sample : Q2493-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

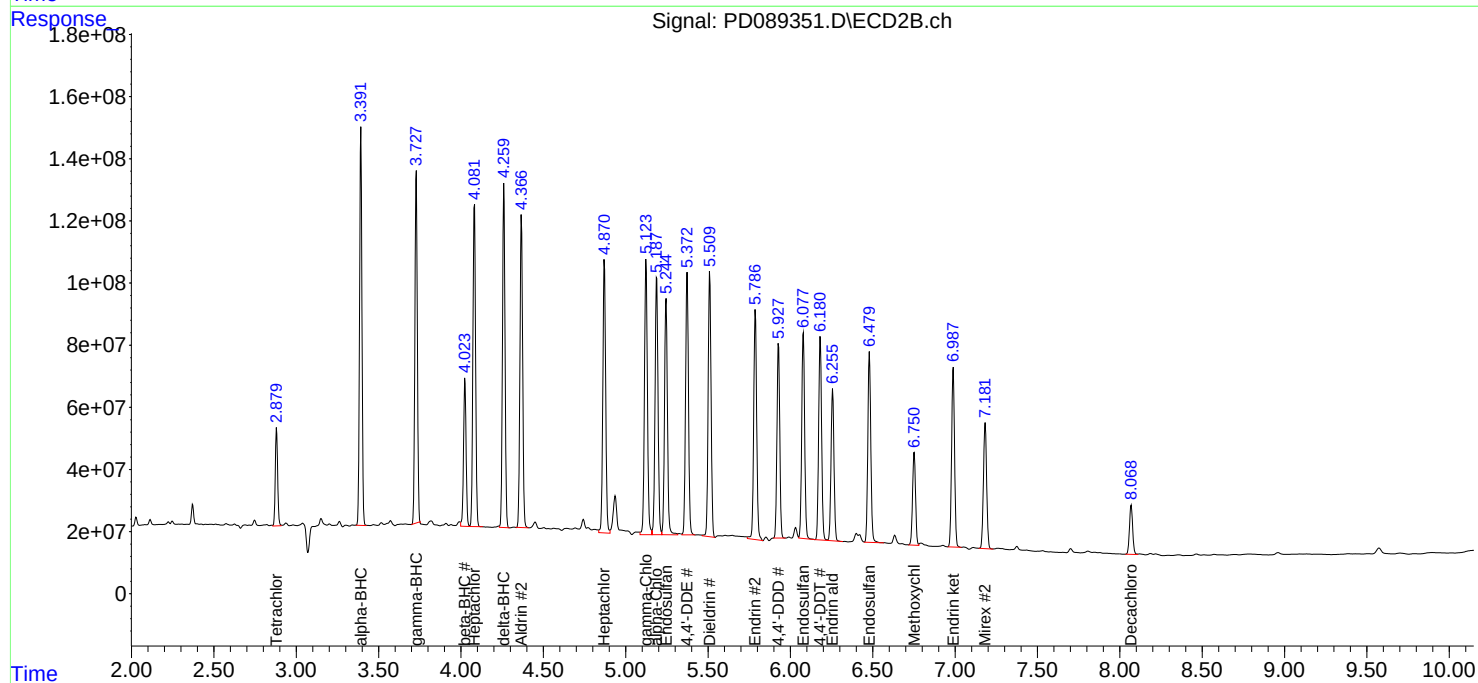
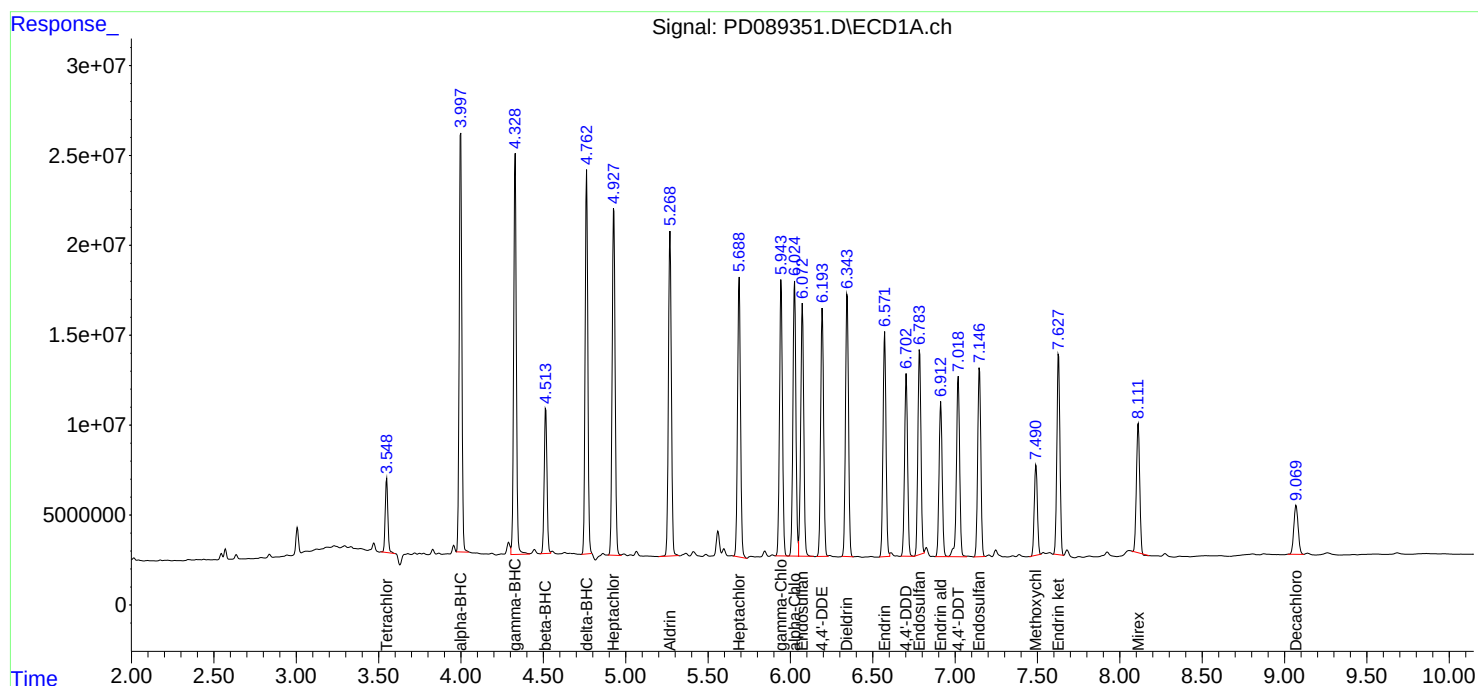
Instrument :
ECD_D
ClientSampleId :
WC-11MS

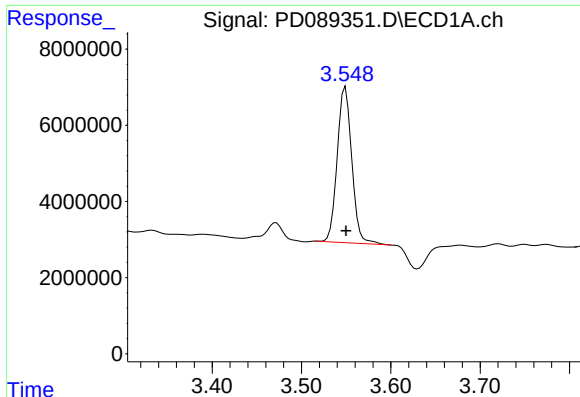
Manual Integrations
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Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:24:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
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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





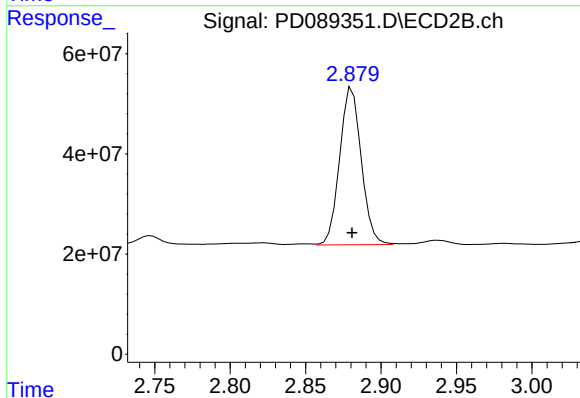
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 46233945
Conc: 16.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

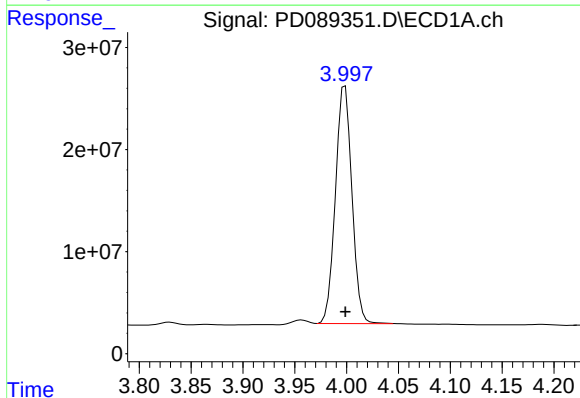
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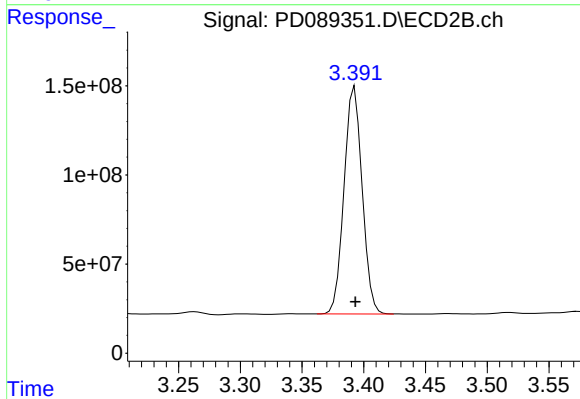
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 312433540
Conc: 18.43 ng/ml m



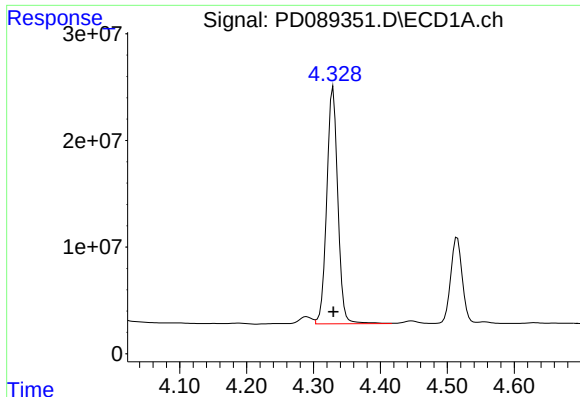
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.002 min
Response: 258308943
Conc: 44.31 ng/ml m



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1304223065
Conc: 48.67 ng/ml m



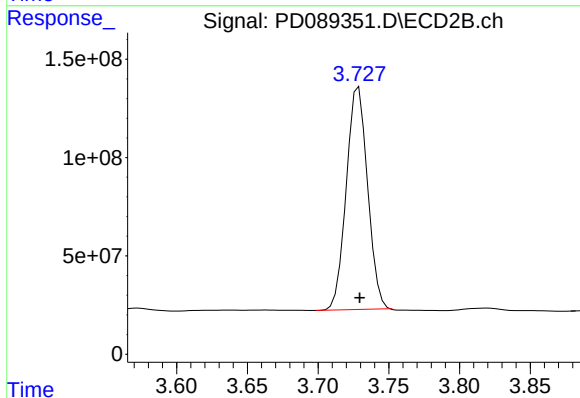
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 254103478
Conc: 45.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

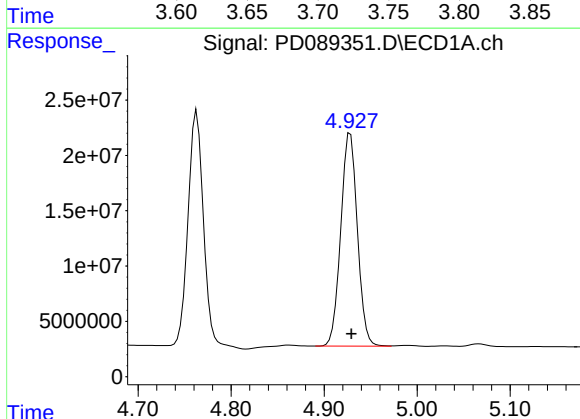
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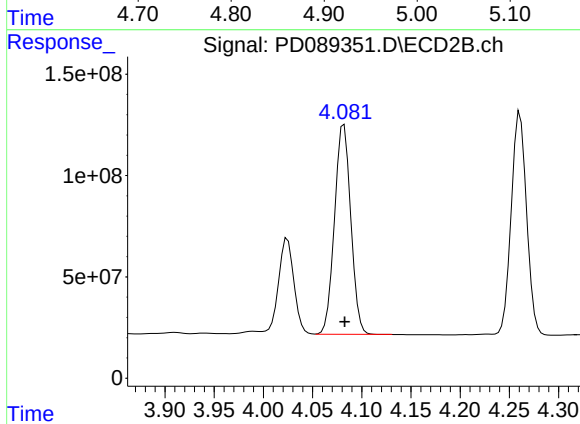
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1186370741
Conc: 47.92 ng/ml



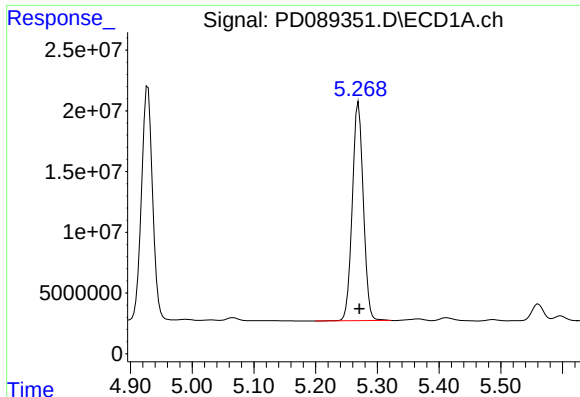
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 239269940
Conc: 43.89 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1192160747
Conc: 47.61 ng/ml



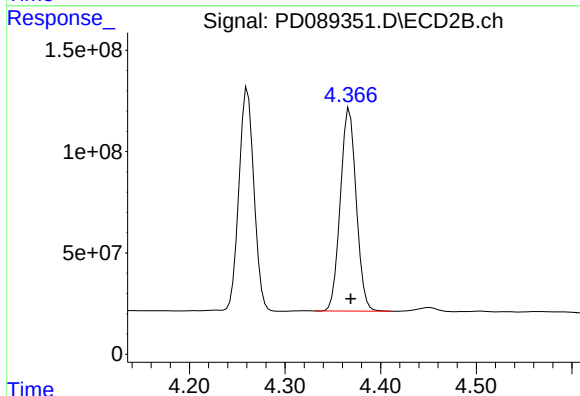
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.002 min
Response: 223502492
Conc: 42.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

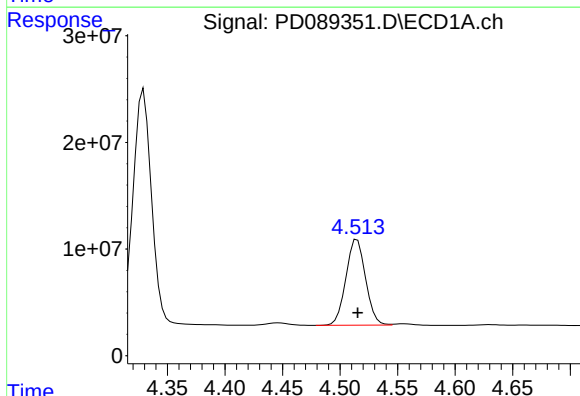
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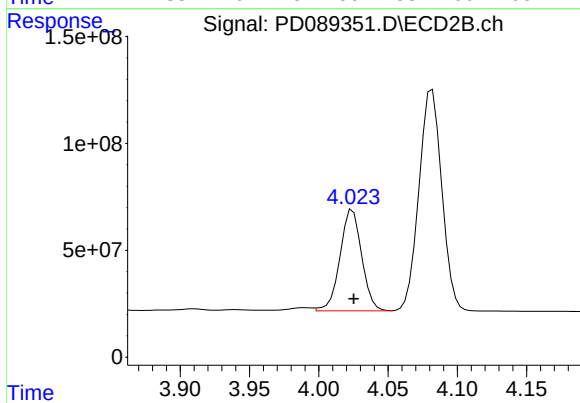
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1156890453
Conc: 47.77 ng/ml



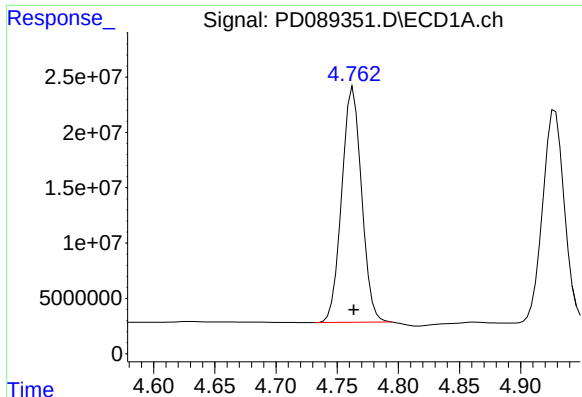
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 95980315
Conc: 43.49 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 517591206
Conc: 48.16 ng/ml



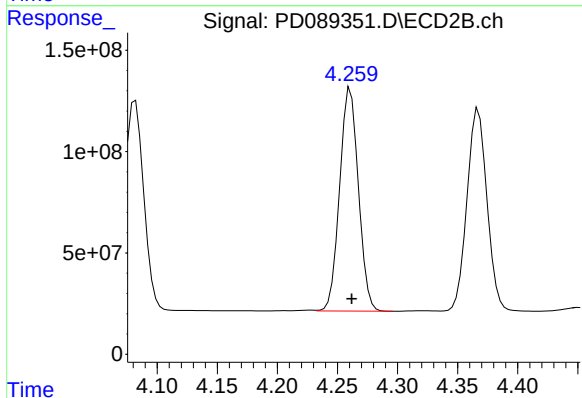
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 240280131
Conc: 46.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

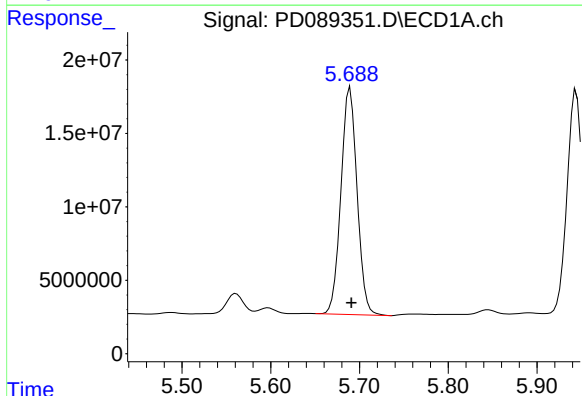
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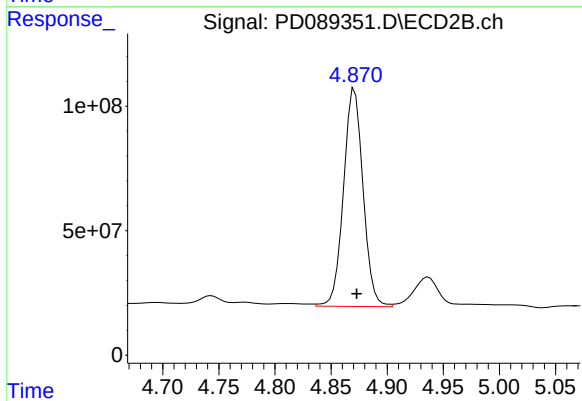
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1198569498
Conc: 48.19 ng/ml



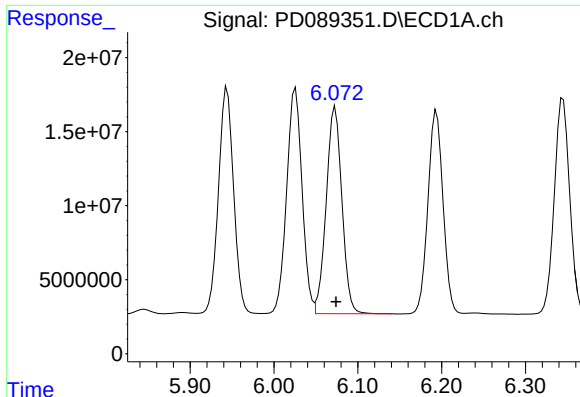
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.001 min
Response: 195322439
Conc: 40.49 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1059944932
Conc: 48.40 ng/ml



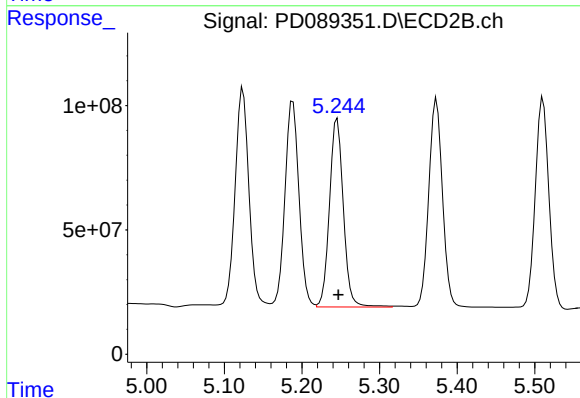
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 181623391
Conc: 40.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

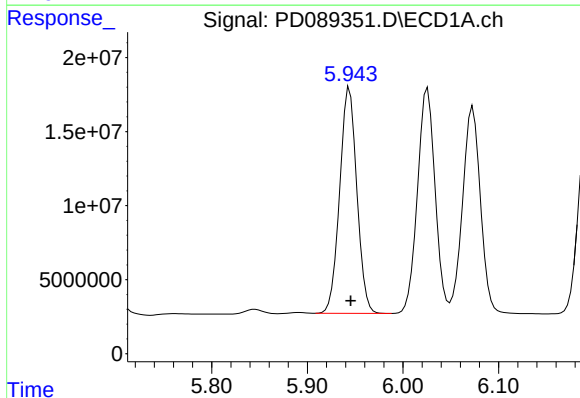
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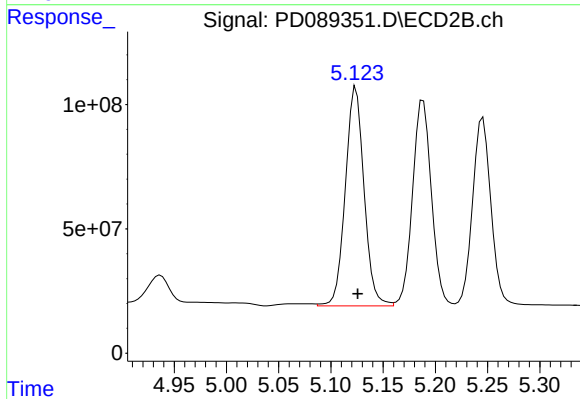
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.001 min
Response: 941169270
Conc: 45.16 ng/ml



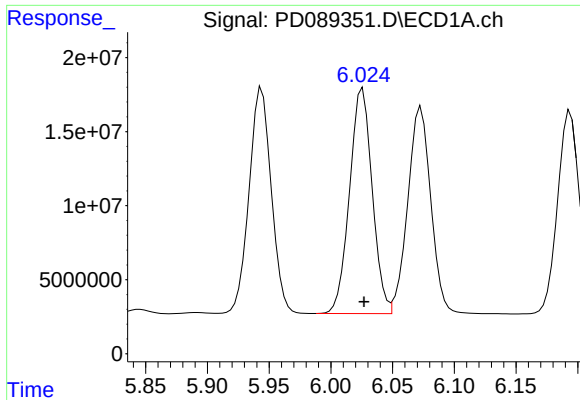
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 190631431
Conc: 39.81 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1097555634
Conc: 45.88 ng/ml



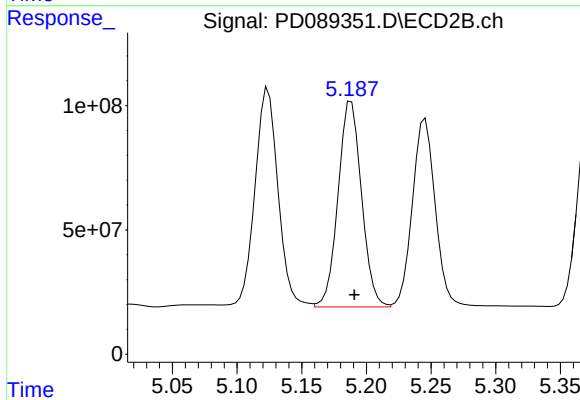
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 194438654
Conc: 40.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

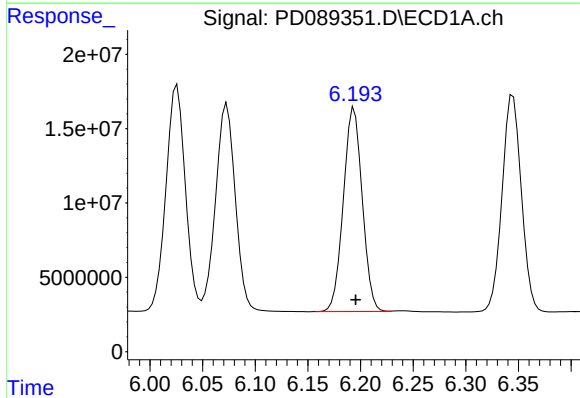
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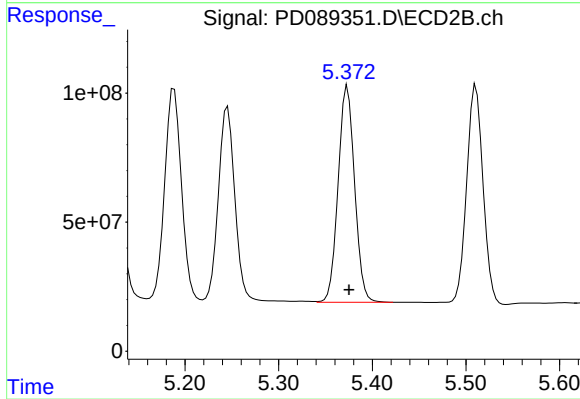
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1043098113
Conc: 45.56 ng/ml



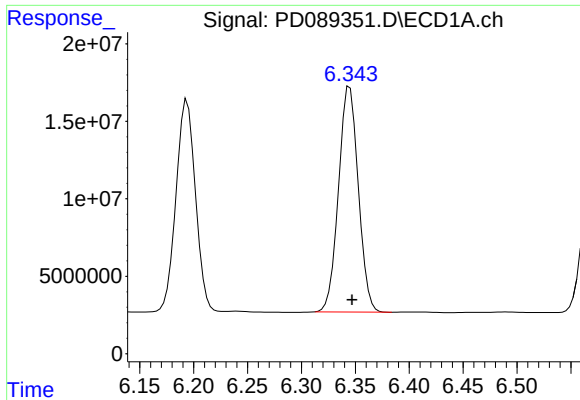
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 171750774
Conc: 39.38 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1024566799
Conc: 44.71 ng/ml



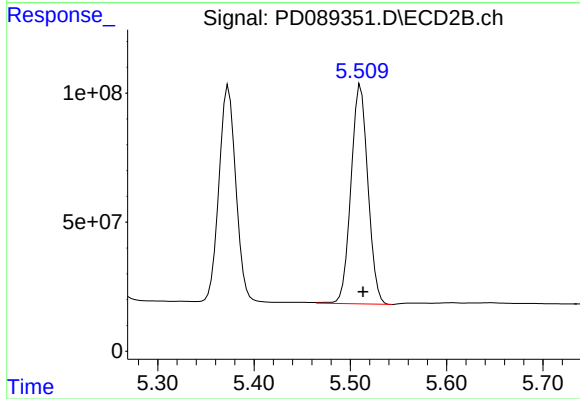
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 185937637
Conc: 38.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

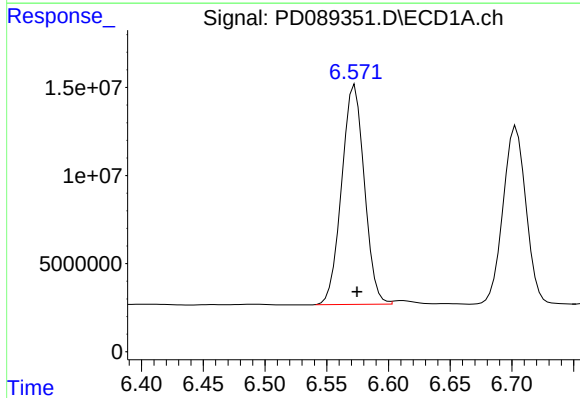
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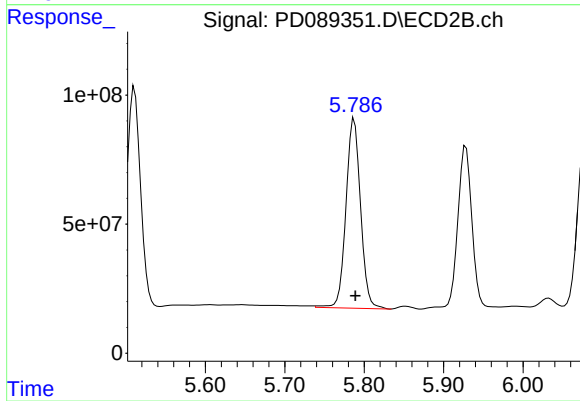
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1034191673
Conc: 44.56 ng/ml



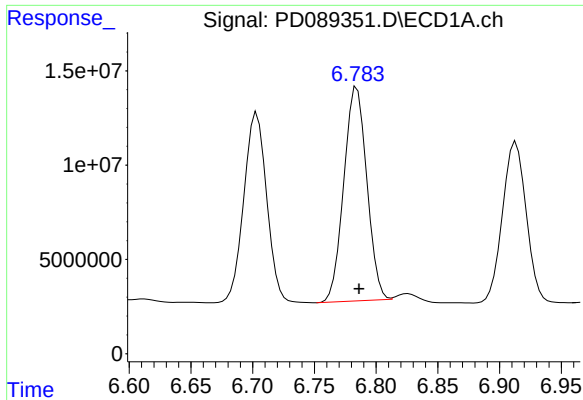
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 159265959
Conc: 38.60 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 940229653
Conc: 43.30 ng/ml



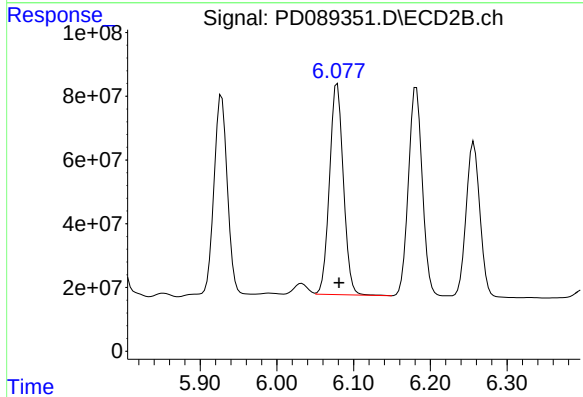
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: -0.002 min
Response: 147138817
Conc: 36.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

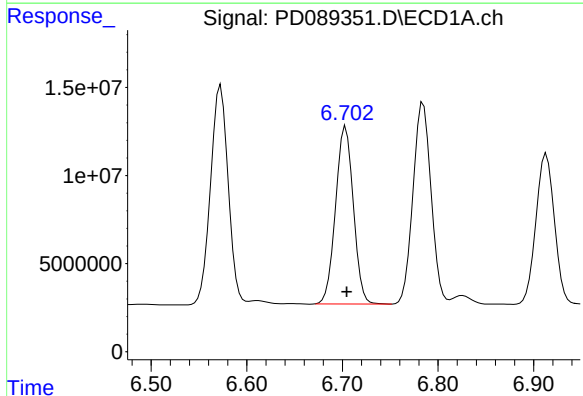
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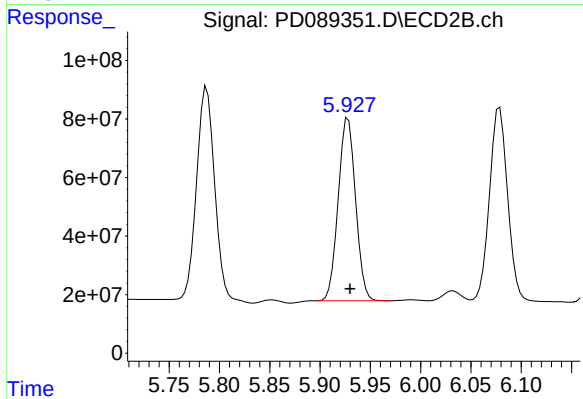
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 829877917
Conc: 41.09 ng/ml



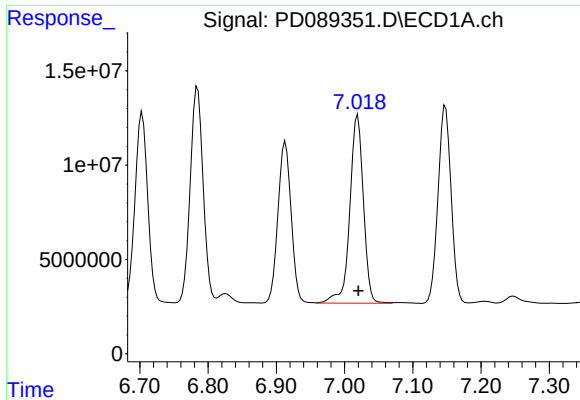
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 130252122
Conc: 37.95 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 748832671
Conc: 39.15 ng/ml



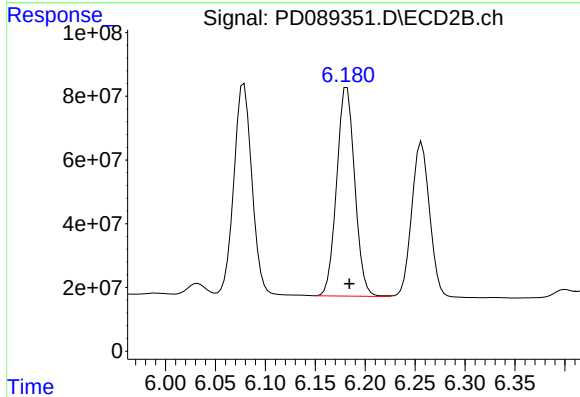
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 138151528
Conc: 36.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

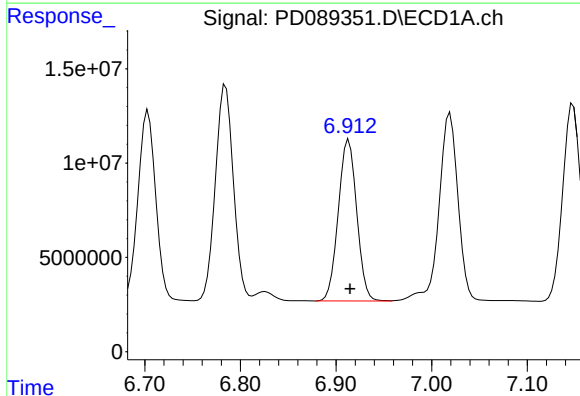
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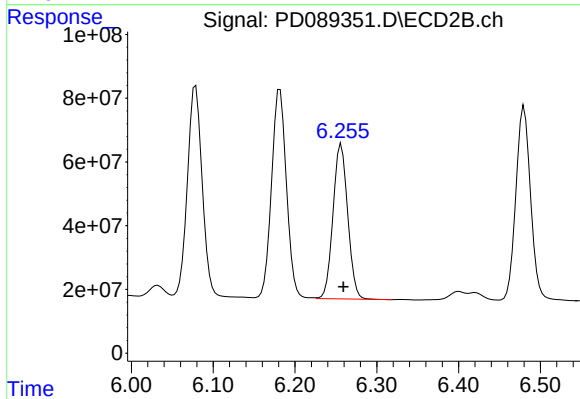
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 825610169
Conc: 40.71 ng/ml



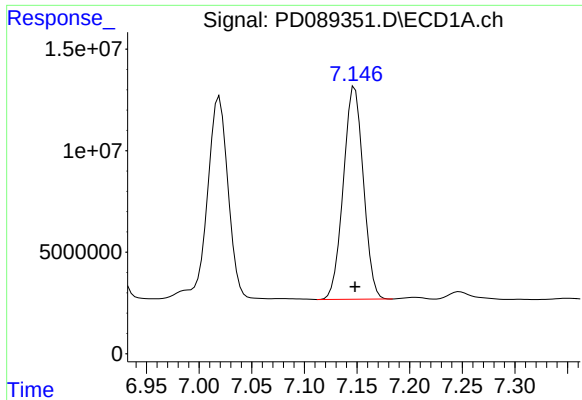
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.001 min
Response: 115019016
Conc: 37.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 607496147
Conc: 39.68 ng/ml



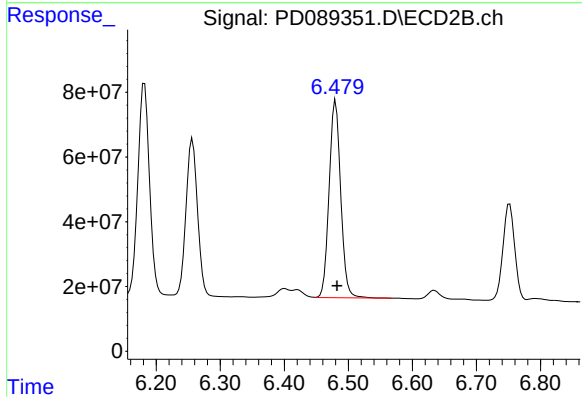
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 139000559
Conc: 36.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

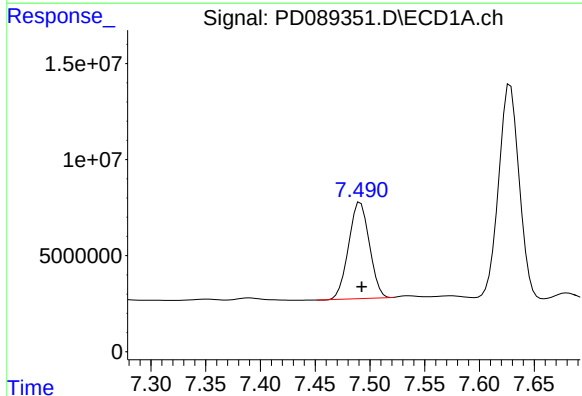
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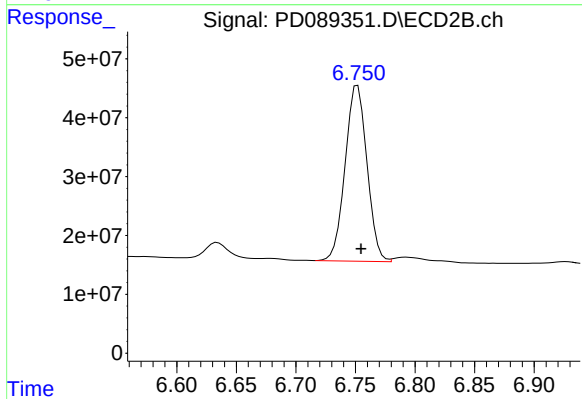
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 766399298
Conc: 39.06 ng/ml



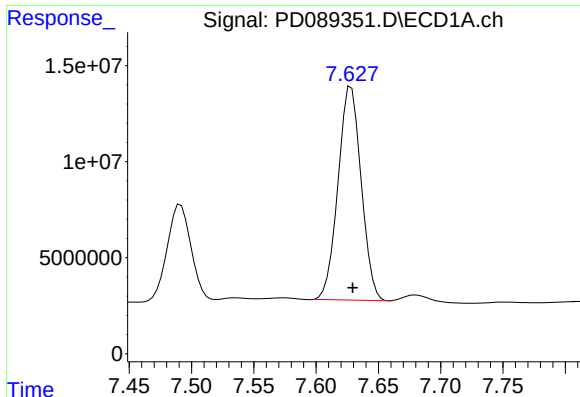
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 66103607
Conc: 32.71 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 381299794
Conc: 35.41 ng/ml



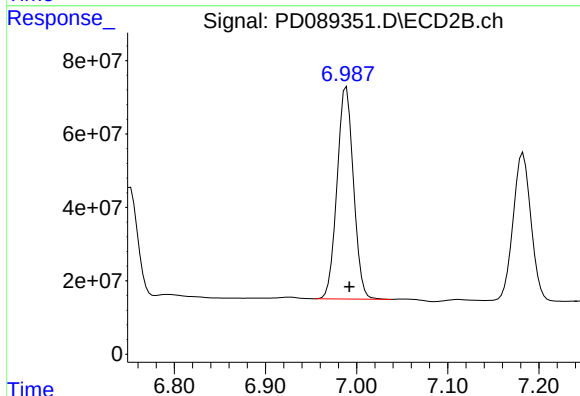
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 144102534
Conc: 35.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

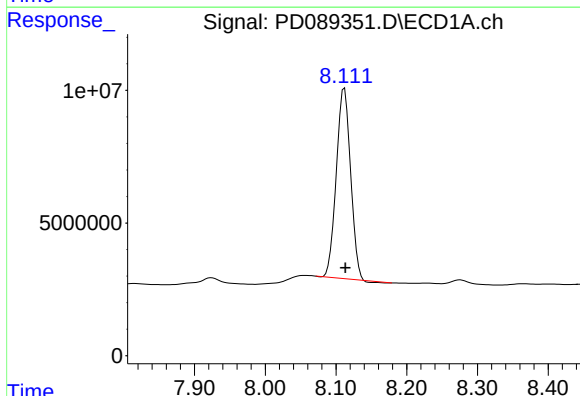
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/09/2025
Supervised By :mohammad ahmed 07/10/2025



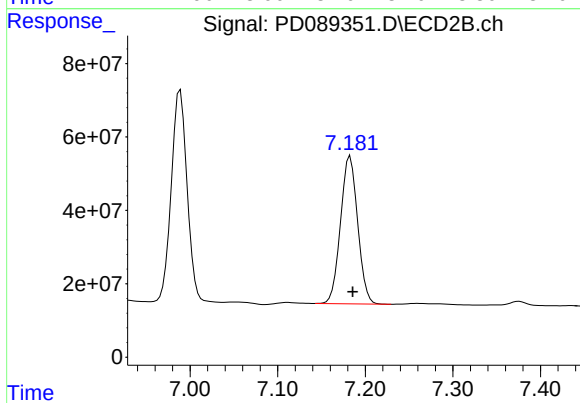
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 724351851
Conc: 33.53 ng/ml



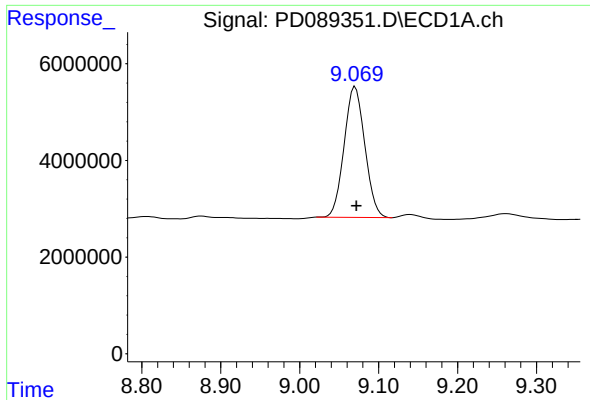
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 99825634
Conc: 32.84 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 547854626
Conc: 32.85 ng/ml



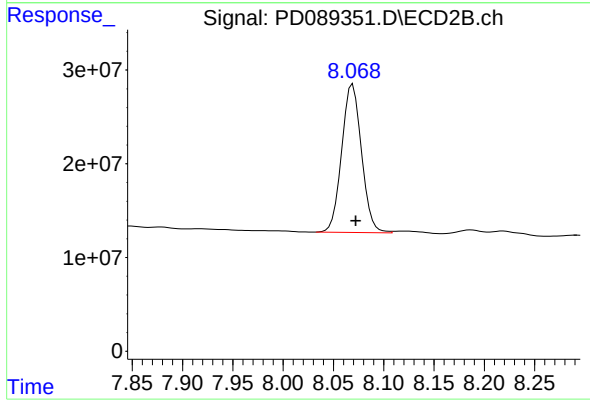
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 49284681
Conc: 12.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-11MS

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#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 216426100
Conc: 10.95 ng/ml