

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071625\
 Data File : PD089501.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 13:39
 Operator : AR\AJ
 Sample : Q2612-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OR-02-071525MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/17/2025
 Supervised By : mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 17 01:43:02 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	2.878	46070845	325.8E6	16.147	19.215m
28)	SA Decachlor...	9.069	8.068	48749673	198.1E6	12.412m	10.019
Target Compounds							
2)	A alpha-BHC	3.998	3.389	264.9E6	1288.1E6	45.437	48.068m
3)	MA gamma-BHC...	4.329	3.727	249.6E6	1159.8E6	44.716	46.848
4)	MA Heptachlor	4.927	4.080	233.5E6	1135.1E6	42.827	45.333
5)	MB Aldrin	5.269	4.366	223.9E6	1110.9E6	42.149	45.871
6)	B beta-BHC	4.514	4.023	90853947	505.2E6	41.164	47.011
7)	B delta-BHC	4.763	4.259	233.9E6	1152.3E6	45.563	46.327
8)	B Heptachlo...	5.689	4.869	194.3E6	979.8E6	40.282	44.744
9)	A Endosulfan I	6.072	5.243	177.9E6	876.5E6	39.458	42.056
10)	B gamma-Chl...	5.943	5.121	200.9E6	1067.0E6	41.950m	44.602m
11)	B alpha-Chl...	6.025	5.186	203.1E6	1013.9E6	41.978	44.280
12)	B 4,4'-DDE	6.194	5.371	167.0E6	939.6E6	38.286	41.000
13)	MA Dieldrin	6.345	5.509	185.0E6	998.5E6	38.554	43.022
14)	MA Endrin	6.573	5.786	157.1E6	822.5E6	38.069	37.880
15)	B Endosulfa...	6.784	6.077	153.6E6	750.6E6	38.050	37.167
16)	A 4,4'-DDD	6.701	5.926	139.4E6	699.4E6	40.605m	36.563
17)	MA 4,4'-DDT	7.019	6.180	135.8E6	697.5E6	35.840	34.394
18)	B Endrin al...	6.913	6.255	112.7E6	544.1E6	36.773	35.538
19)	B Endosulfa...	7.147	6.479	138.9E6	686.2E6	36.203	34.973
20)	A Methoxychlor	7.491	6.751	65175496	318.3E6	32.255	29.563
21)	B Endrin ke...	7.628	6.988	147.1E6	668.7E6	36.105	30.955
22)	Mirex	8.111	7.182	106.2E6	494.1E6	34.924	29.626

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071625\
Data File : PD089501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2025 13:39
Operator : AR\AJ
Sample : Q2612-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

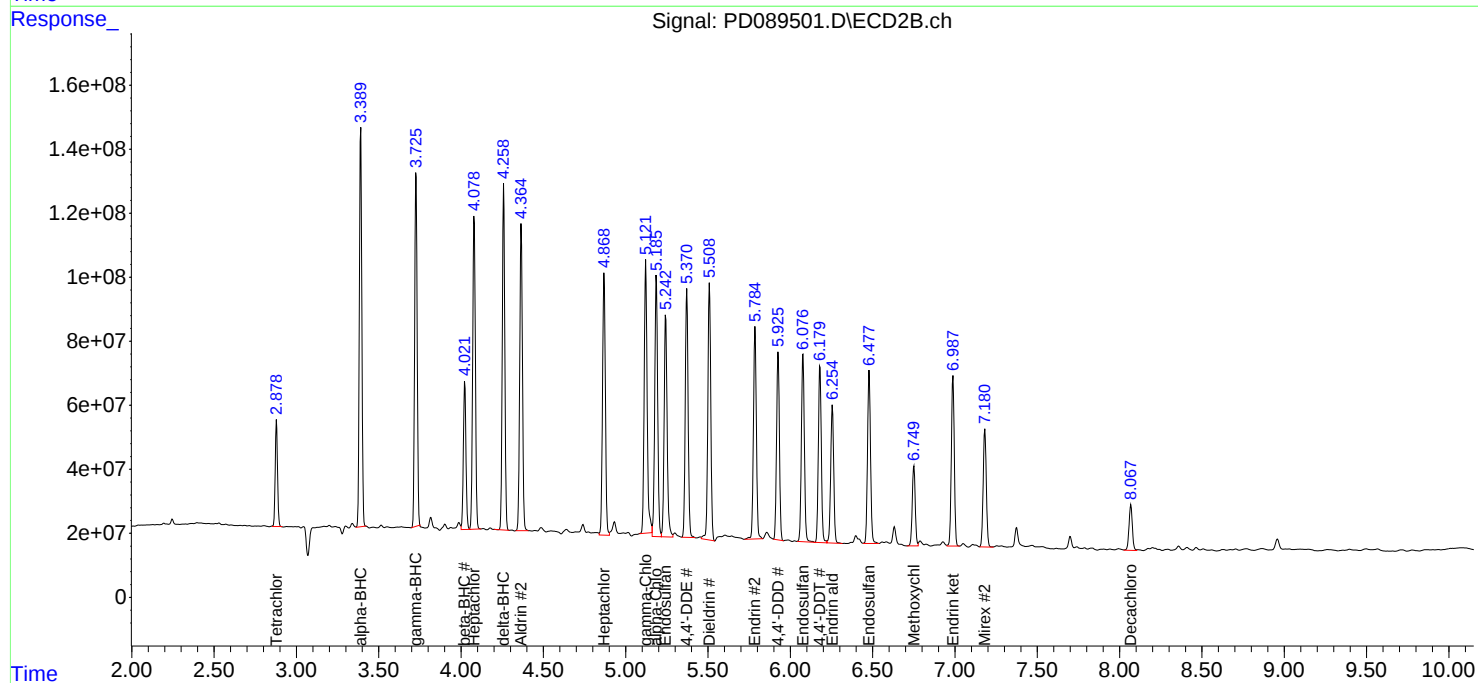
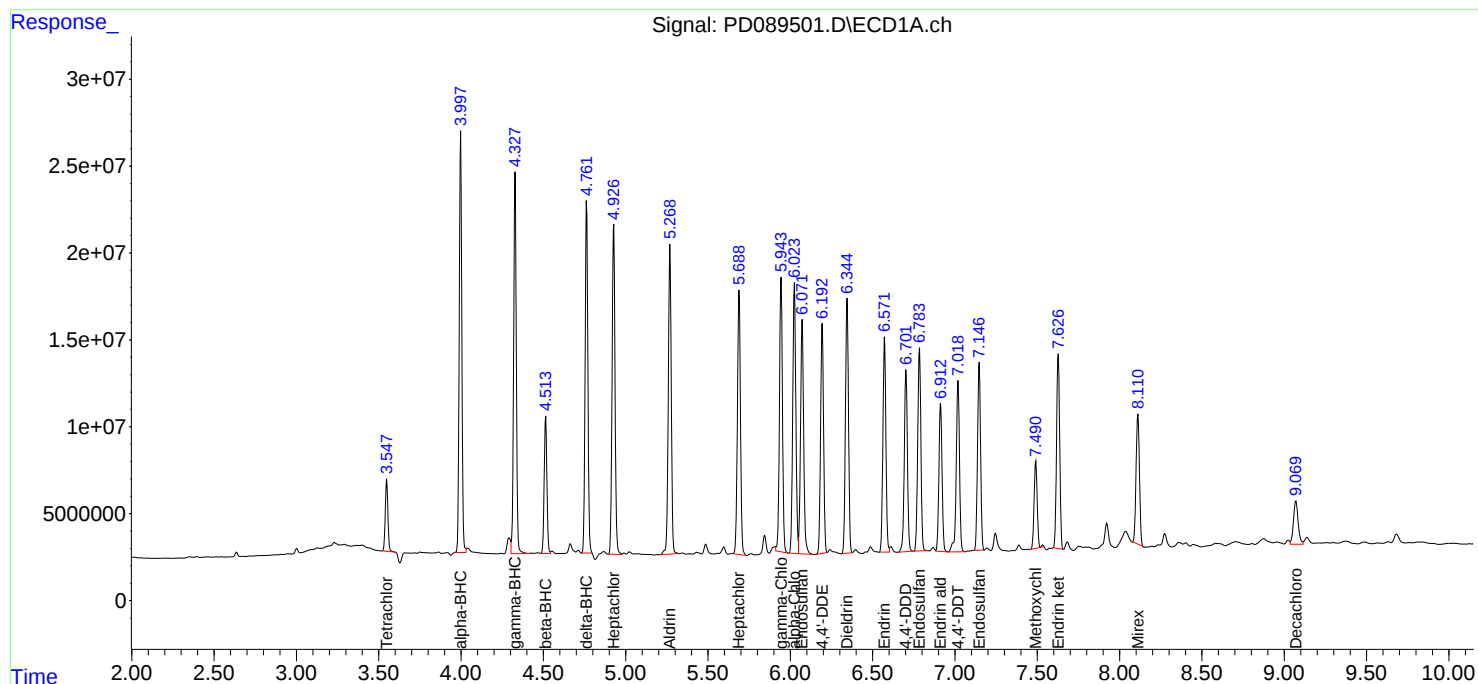
Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

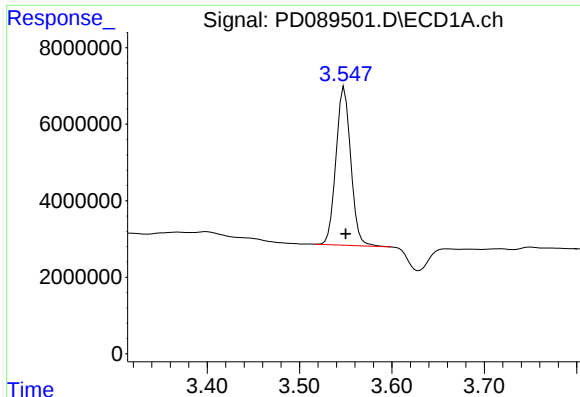
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 01:43:02 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





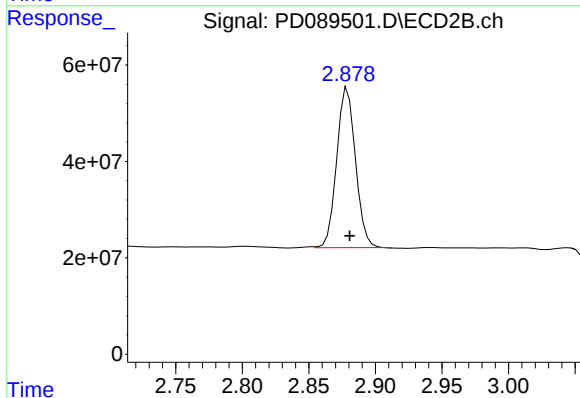
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 46070845
Conc: 16.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

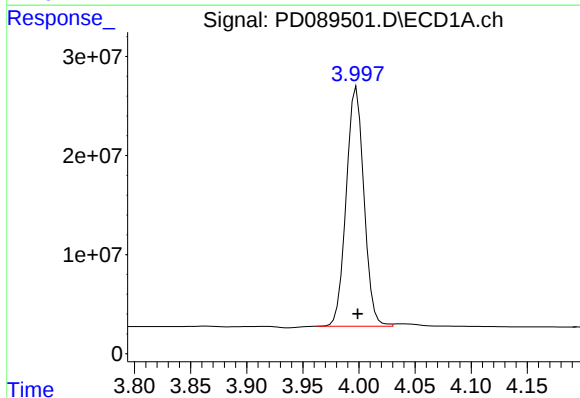
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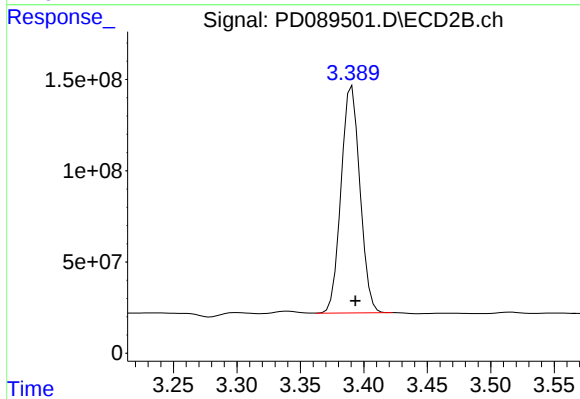
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.003 min
Response: 325755298
Conc: 19.22 ng/ml m



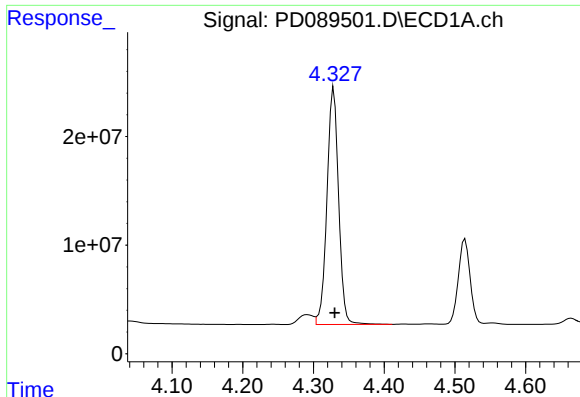
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.001 min
Response: 264857540
Conc: 45.44 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.004 min
Response: 1288093234
Conc: 48.07 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.001 min
Response: 249589577
Conc: 44.72 ng/ml

Instrument :

ECD_D

ClientSampleId :

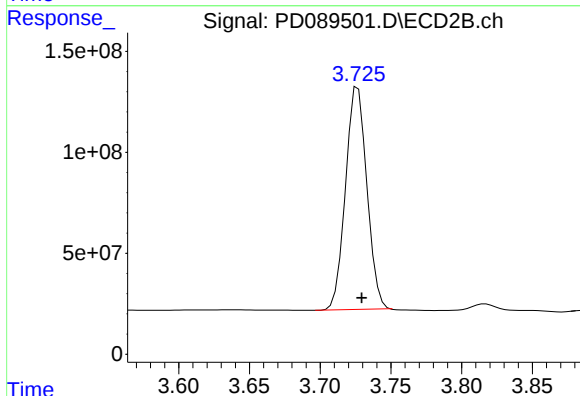
OR-02-071525MS

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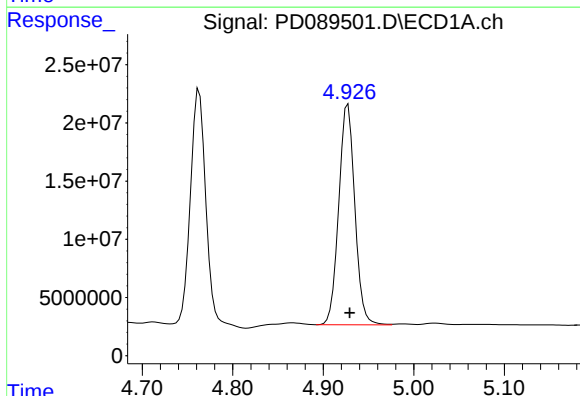
Reviewed By :Abdul Mirza 07/17/2025

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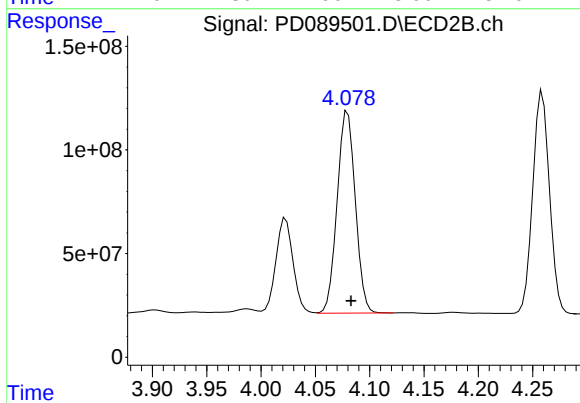
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 1159812925
Conc: 46.85 ng/ml



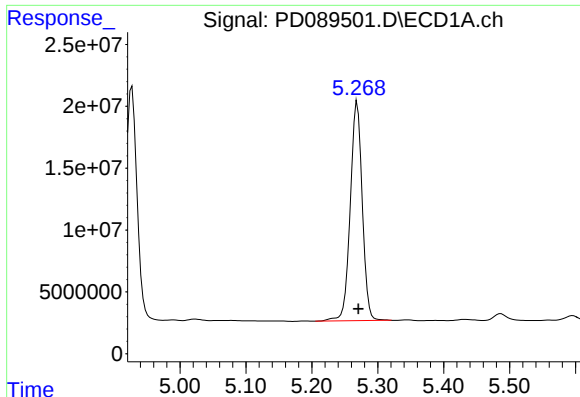
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: -0.002 min
Response: 233489841
Conc: 42.83 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.003 min
Response: 1135071494
Conc: 45.33 ng/ml



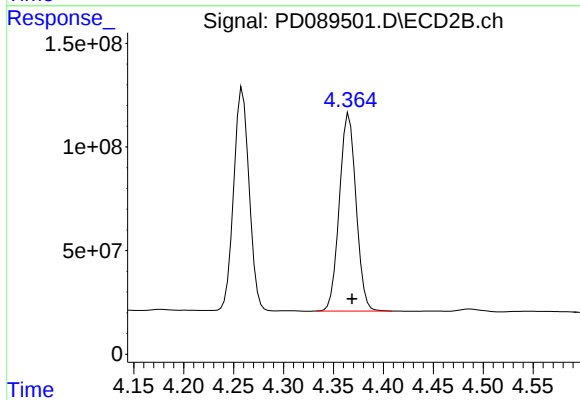
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.002 min
Response: 223938722
Conc: 42.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

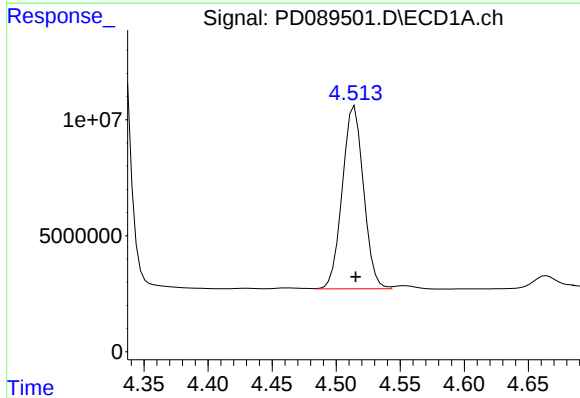
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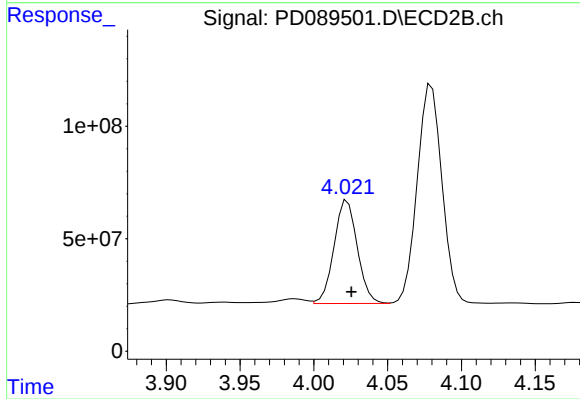
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 1110871312
Conc: 45.87 ng/ml



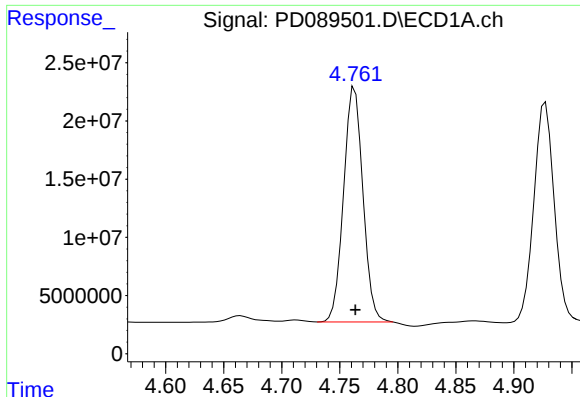
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 90853947
Conc: 41.16 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.003 min
Response: 505195974
Conc: 47.01 ng/ml



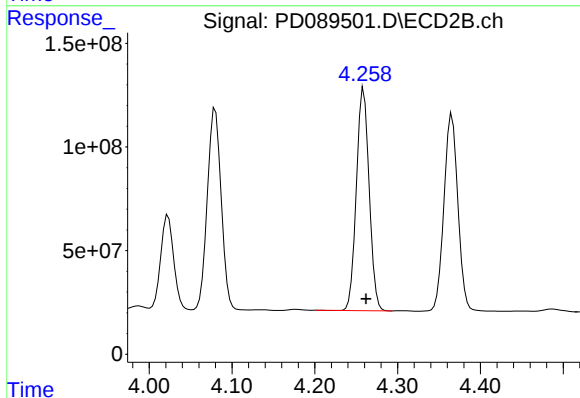
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 233870082
Conc: 45.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

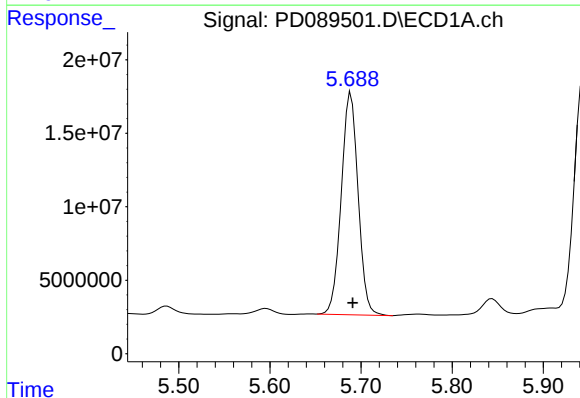
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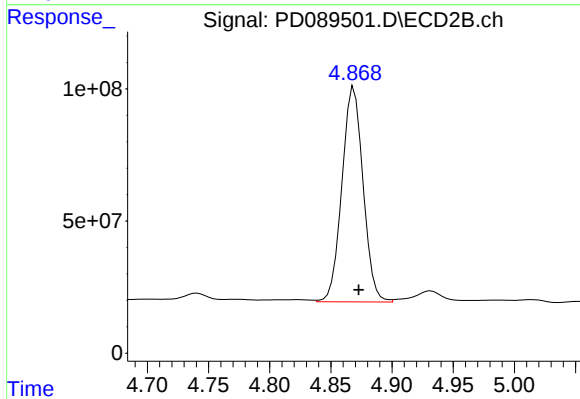
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: -0.003 min
Response: 1152310621
Conc: 46.33 ng/ml



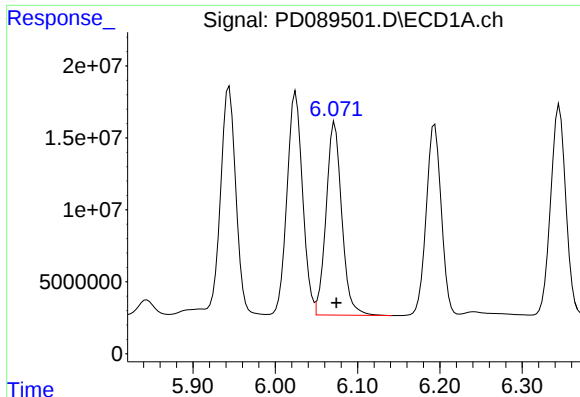
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 194318629
Conc: 40.28 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.004 min
Response: 979800933
Conc: 44.74 ng/ml



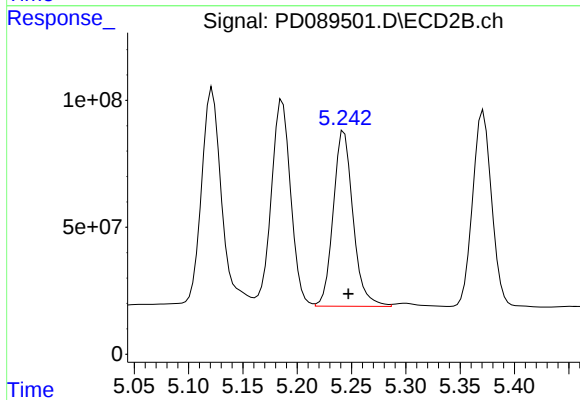
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 177853711
Conc: 39.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

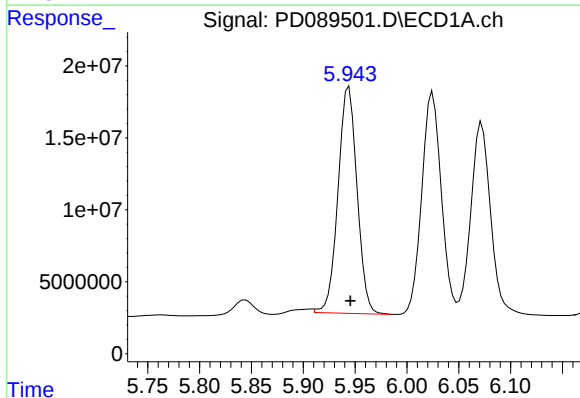
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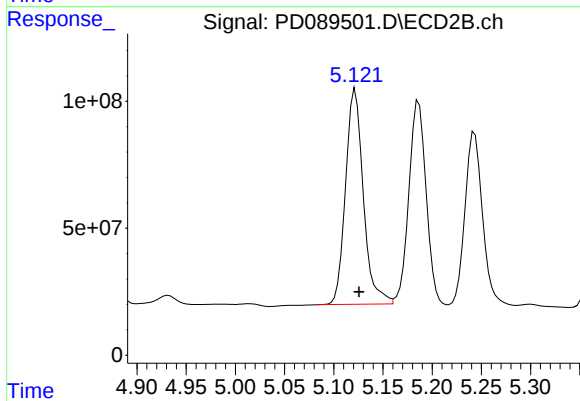
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: -0.004 min
Response: 876542272
Conc: 42.06 ng/ml



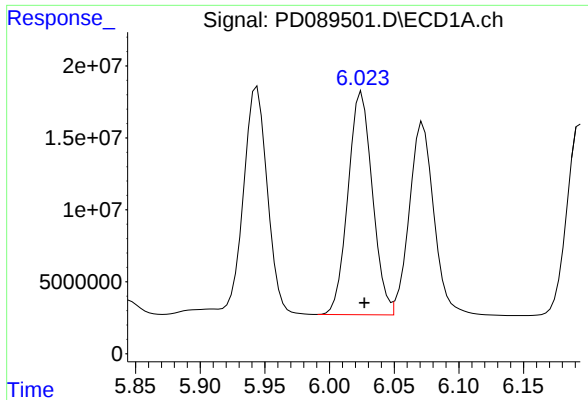
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.003 min
Response: 200863194
Conc: 41.95 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.005 min
Response: 1067000528
Conc: 44.60 ng/ml m



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: -0.002 min
Response: 203112656
Conc: 41.98 ng/ml

Instrument :

ECD_D

ClientSampleId :

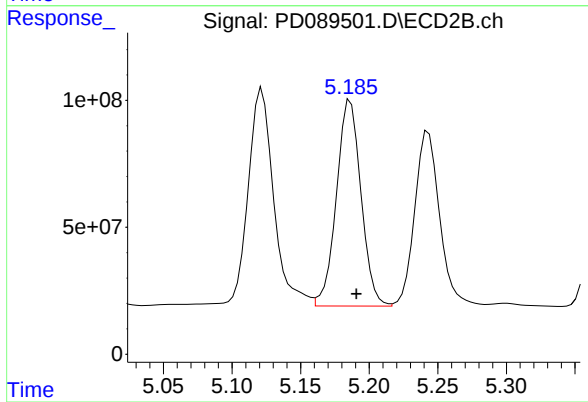
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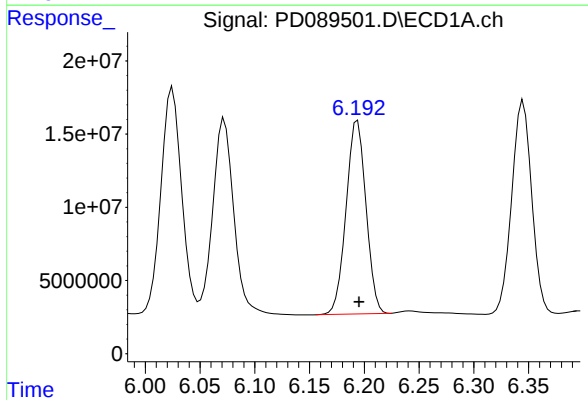
Reviewed By :Abdul Mirza 07/17/2025

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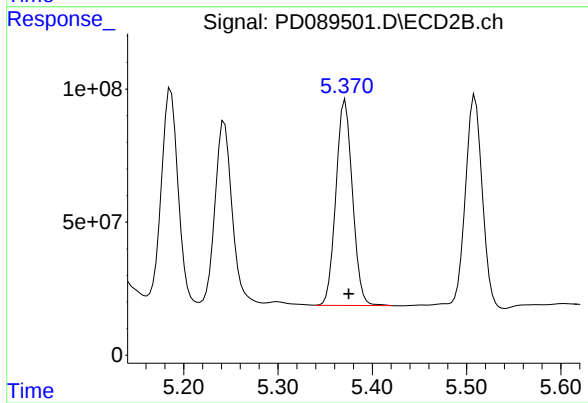
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.004 min
Response: 1013878735
Conc: 44.28 ng/ml



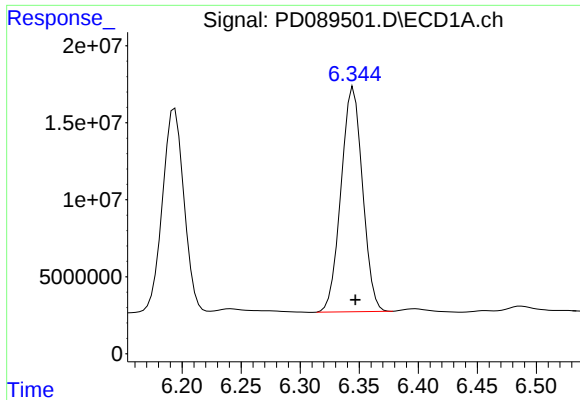
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 166968600
Conc: 38.29 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.004 min
Response: 939566291
Conc: 41.00 ng/ml



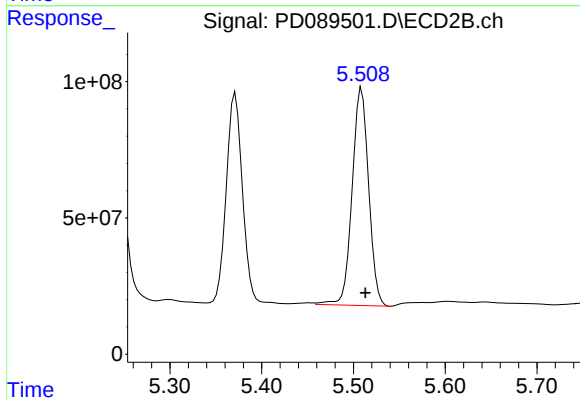
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 184961726
Conc: 38.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

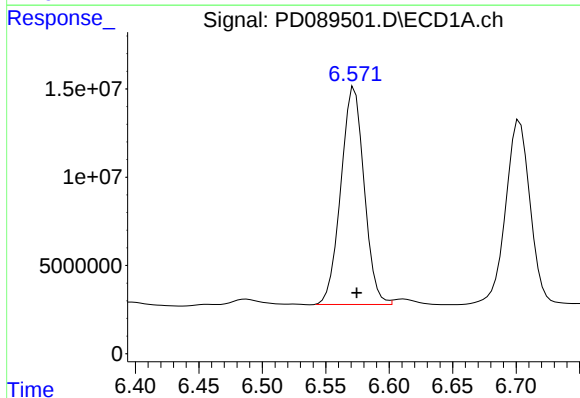
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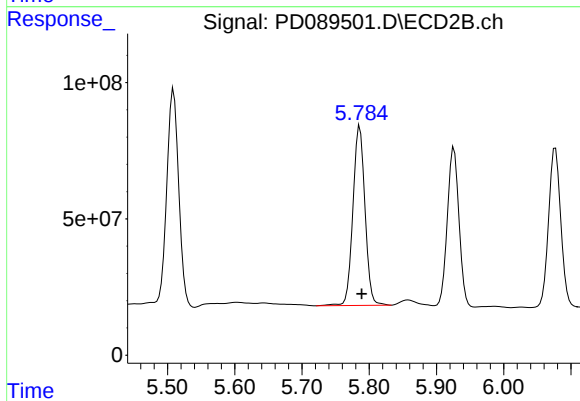
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.004 min
Response: 998484042
Conc: 43.02 ng/ml



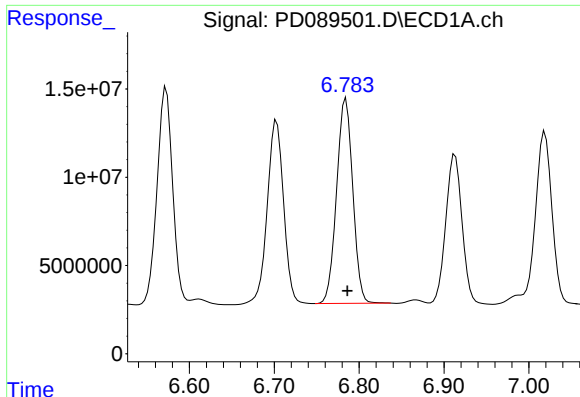
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 157057231
Conc: 38.07 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 822530598
Conc: 37.88 ng/ml



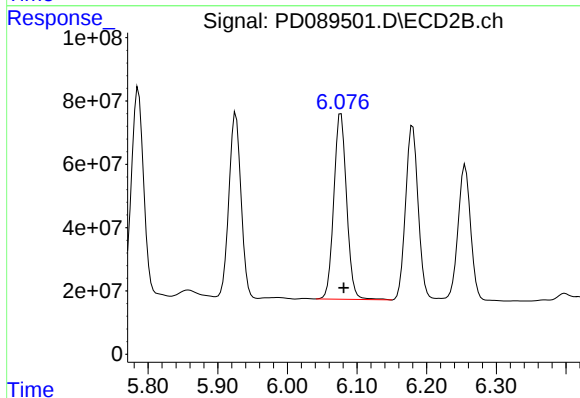
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: -0.002 min
Response: 153594592
Conc: 38.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
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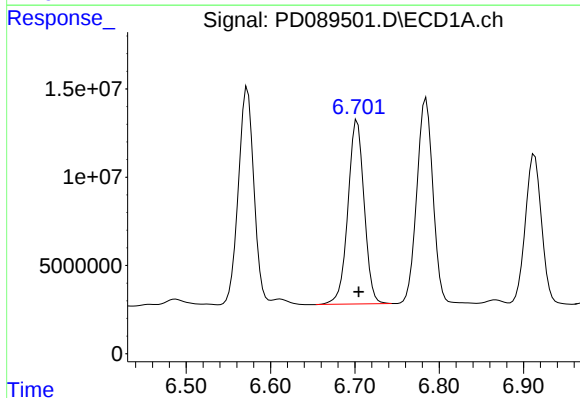
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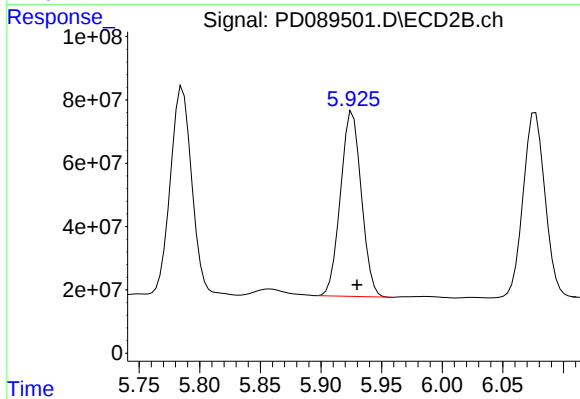
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.004 min
Response: 750642228
Conc: 37.17 ng/ml



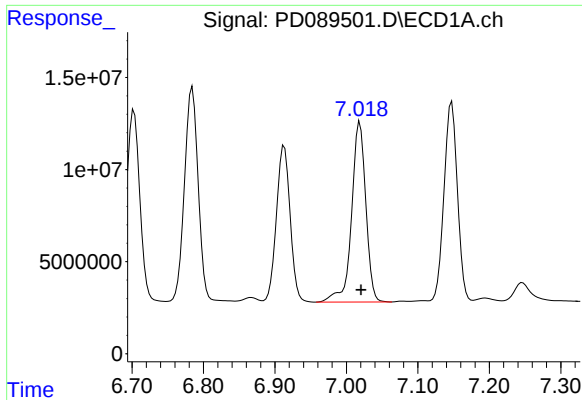
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.003 min
Response: 139359727
Conc: 40.61 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: -0.004 min
Response: 699435770
Conc: 36.56 ng/ml



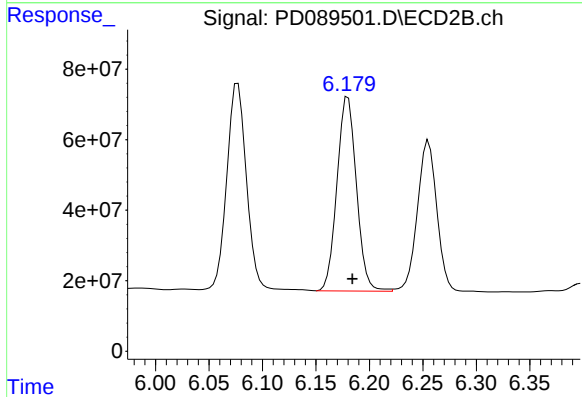
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.002 min
Response: 135767403
Conc: 35.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

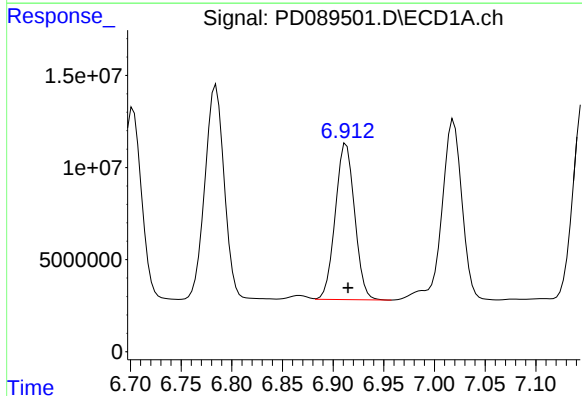
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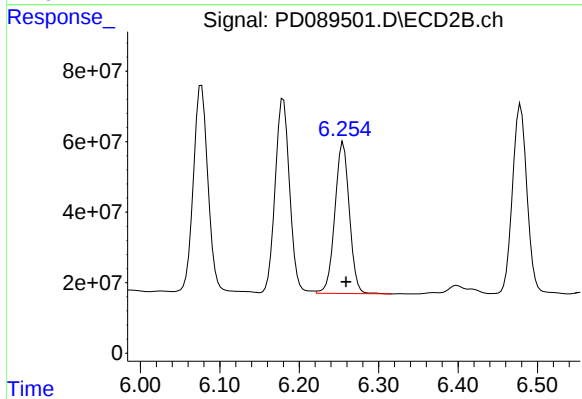
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 697479698
Conc: 34.39 ng/ml



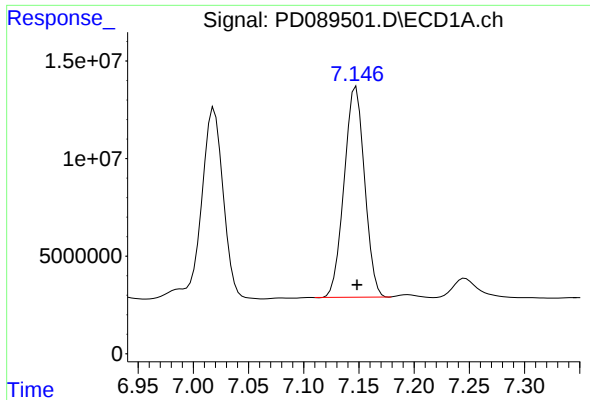
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.002 min
Response: 112669061
Conc: 36.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: -0.004 min
Response: 544129349
Conc: 35.54 ng/ml



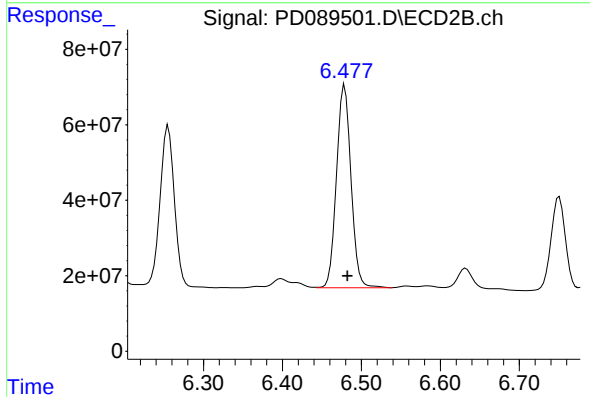
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 138917365
Conc: 36.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

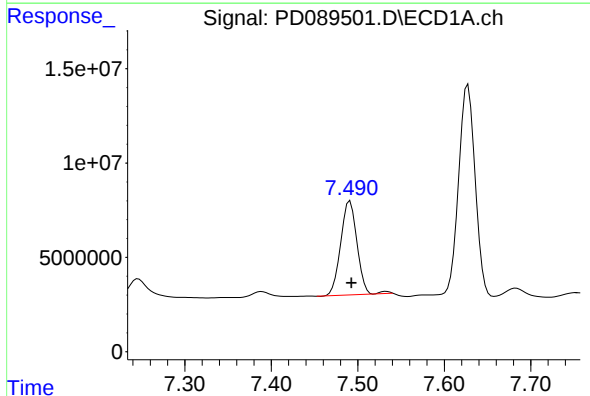
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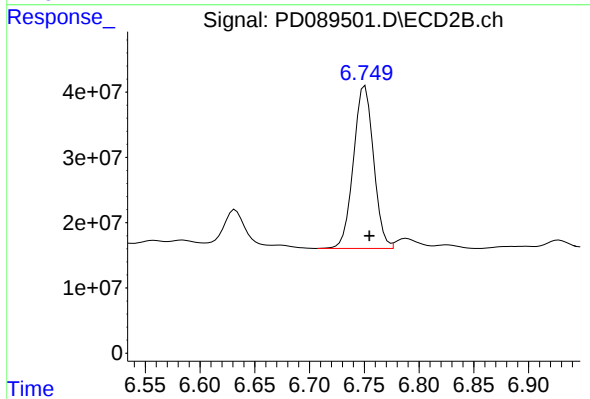
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: -0.004 min
Response: 686215894
Conc: 34.97 ng/ml



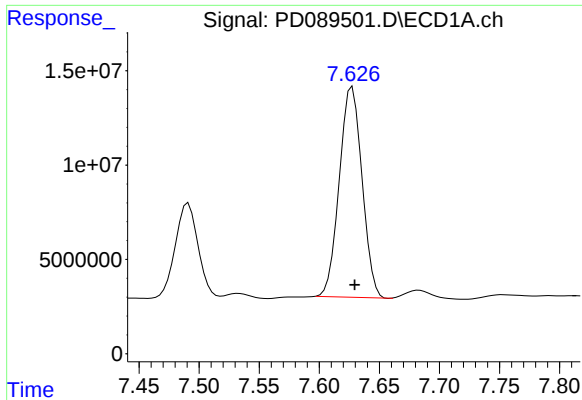
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.002 min
Response: 65175496
Conc: 32.26 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 318331924
Conc: 29.56 ng/ml



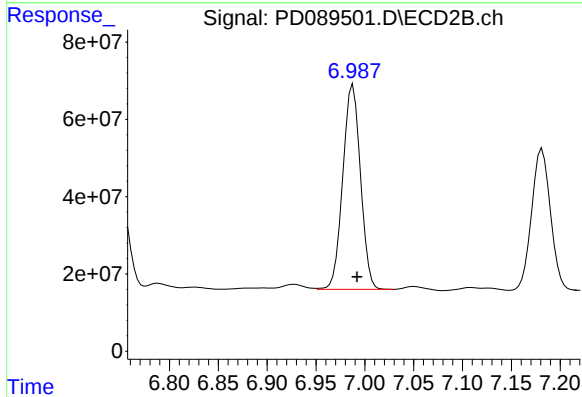
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.002 min
Response: 147059691
Conc: 36.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

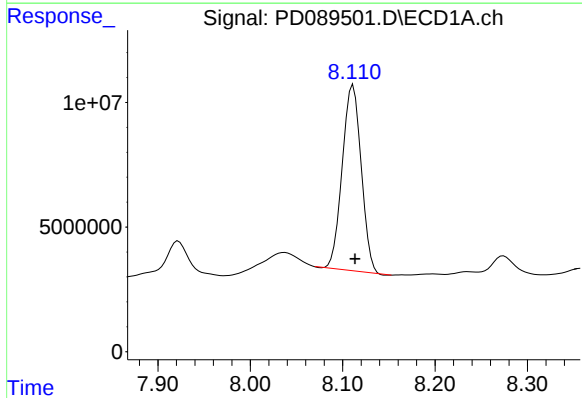
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



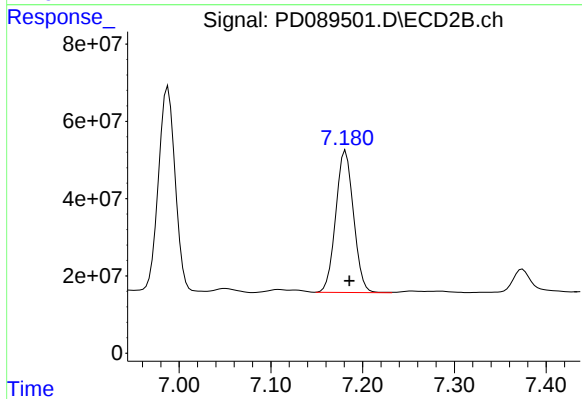
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 668682099
Conc: 30.96 ng/ml



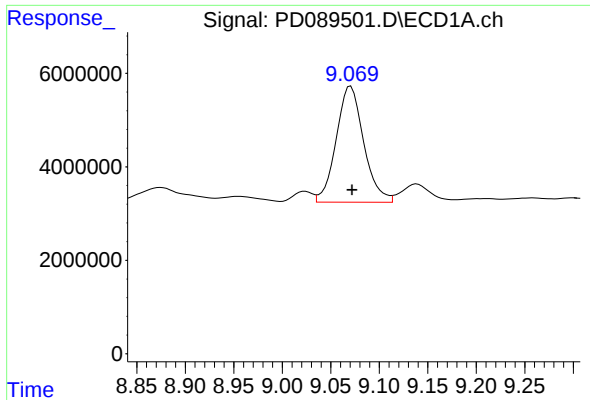
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.002 min
Response: 106174315
Conc: 34.92 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: -0.004 min
Response: 494103029
Conc: 29.63 ng/ml



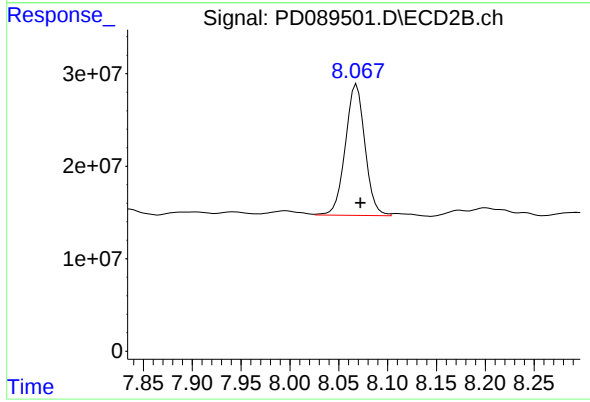
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 48749673
Conc: 12.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.004 min
Response: 198084141
Conc: 10.02 ng/ml