

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089299.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 22:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 30 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 01:53:46 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...	3.550	2.881	146.8E6	889.0E6	51.446	52.441
28)	SA Decachlor...	9.073	8.071	177.9E6	827.6E6	45.290	41.860
Target Compounds							
2)	A alpha-BHC	4.000	3.393	301.3E6	1358.8E6	51.687	50.705
3)	MA gamma-BHC...	4.330	3.729	285.5E6	1204.4E6	51.154	48.651
4)	MA Heptachlor	4.930	4.082	261.7E6	1183.4E6	48.000	47.262
5)	MB Aldrin	5.271	4.368	268.2E6	1214.1E6	50.472	50.132
6)	B beta-BHC	4.516	4.025	109.0E6	522.5E6	49.401	48.626
7)	B delta-BHC	4.764	4.262	272.9E6	1230.8E6	53.164	49.482
8)	B Heptachlo...	5.690	4.872	233.9E6	1132.8E6	48.492	51.733
9)	A Endosulfan I	6.074	5.246	220.1E6	1018.0E6	48.836	48.843
10)	B gamma-Chl...	5.946	5.125	238.8E6	1181.1E6	49.873	49.371
11)	B alpha-Chl...	6.027	5.189	236.3E6	1117.3E6	48.827	48.797
12)	B 4,4'-DDE	6.196	5.375	206.2E6	1106.5E6	47.276	48.284
13)	MA Dieldrin	6.347	5.511	233.6E6	1124.9E6	48.687	48.470m
14)	MA Endrin	6.574	5.789	184.4E6	1057.5E6	44.687	48.703
15)	B Endosulfa...	6.786	6.080	188.9E6	949.8E6	46.801	47.028
16)	A 4,4'-DDD	6.705	5.929	169.0E6	919.8E6	49.237	48.081
17)	MA 4,4'-DDT	7.021	6.182	152.3E6	829.6E6	40.212	40.907
18)	B Endrin al...	6.915	6.258	138.7E6	694.5E6	45.270	45.358
19)	B Endosulfa...	7.150	6.481	175.9E6	887.6E6	45.832	45.237
20)	A Methoxychlor	7.493	6.753	92501875	495.6E6	45.779	46.027
21)	B Endrin ke...	7.630	6.990	188.1E6	977.2E6	46.186	45.235
22)	Mirex	8.114	7.184	137.0E6	721.0E6	45.048	43.233

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

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Data File : PD089299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 22:59
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Sample : PSTDCCC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

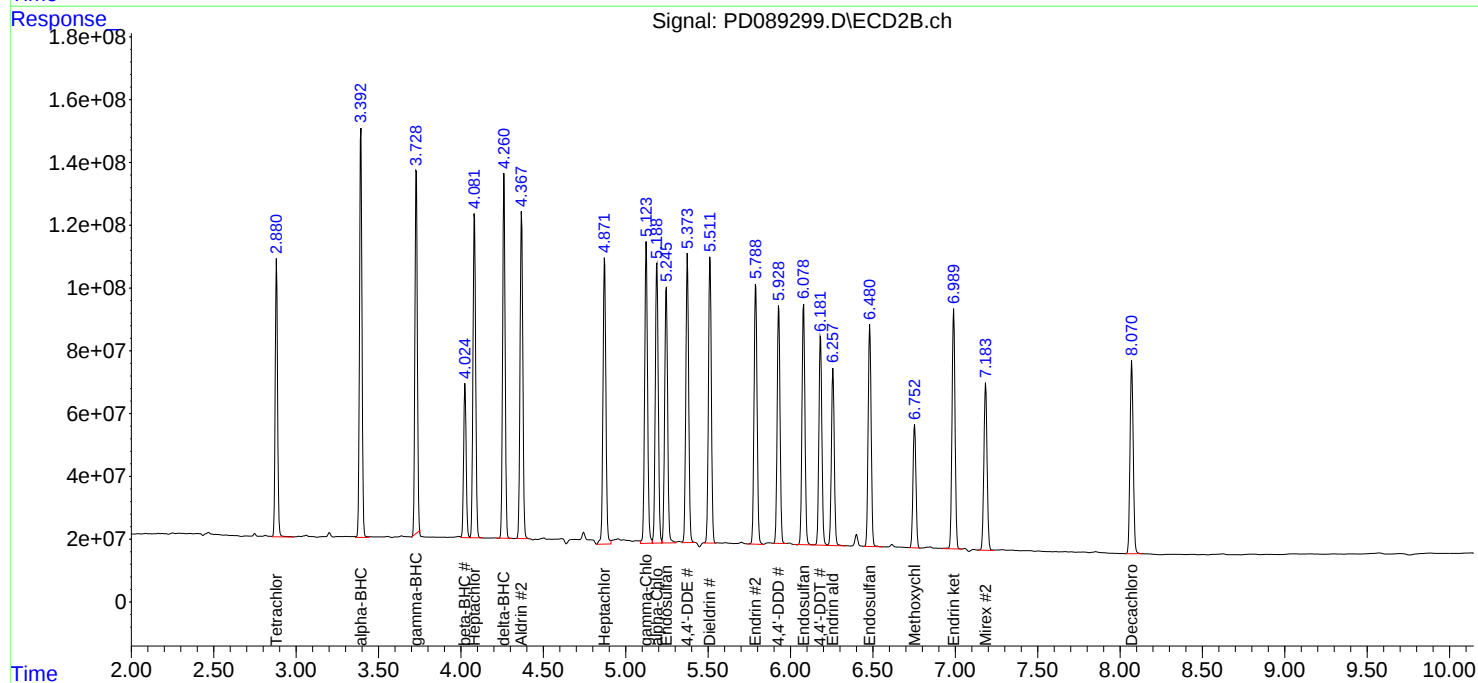
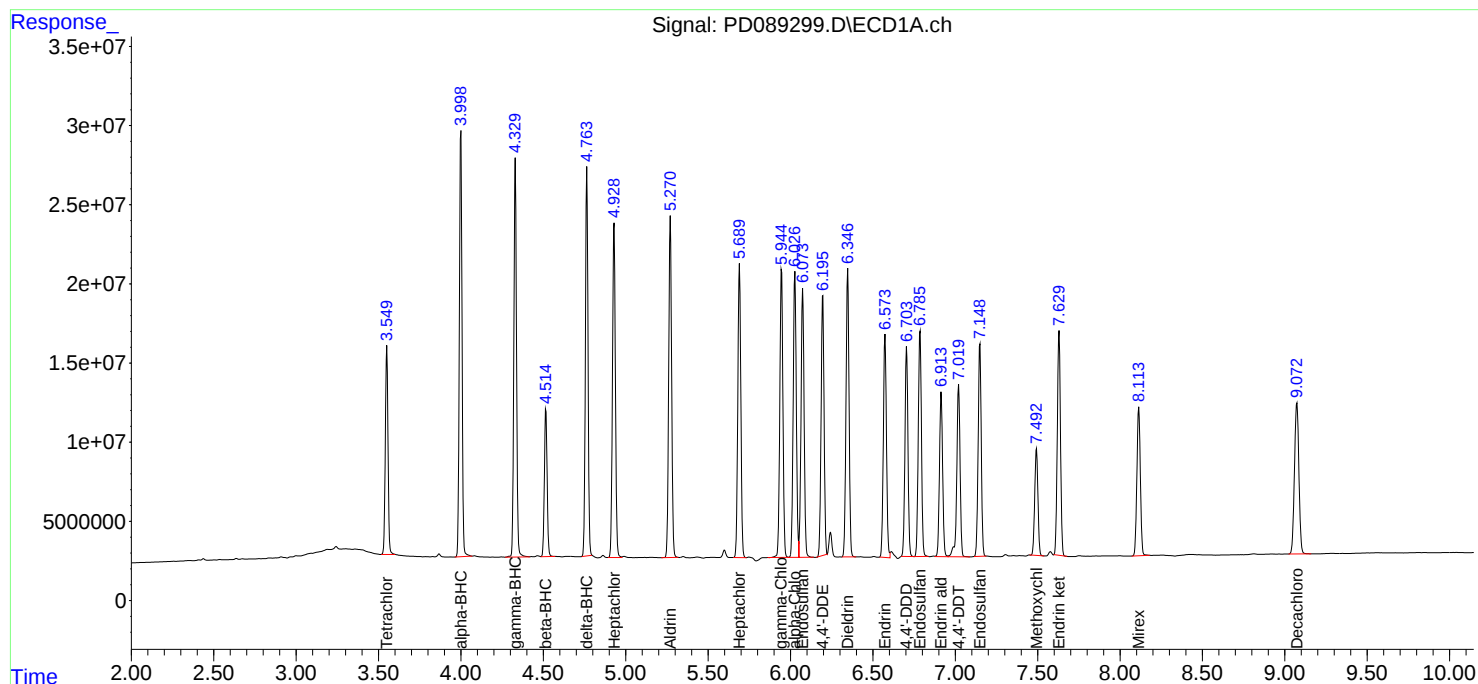
APPROVED

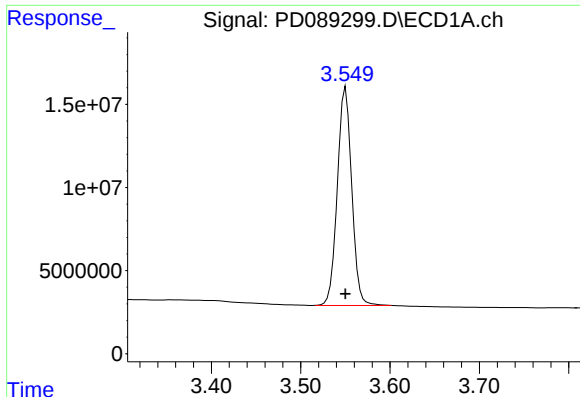
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:53:46 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
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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





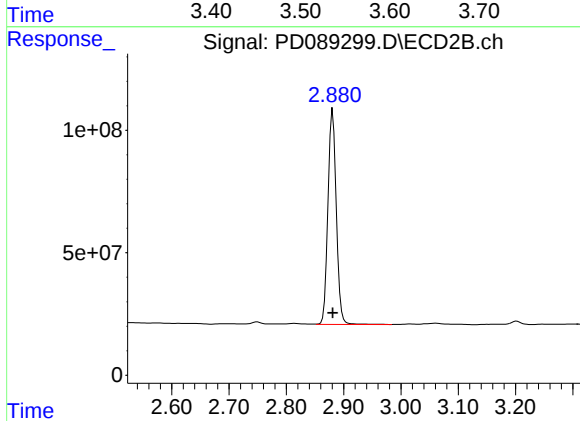
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 146783459
Conc: 51.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

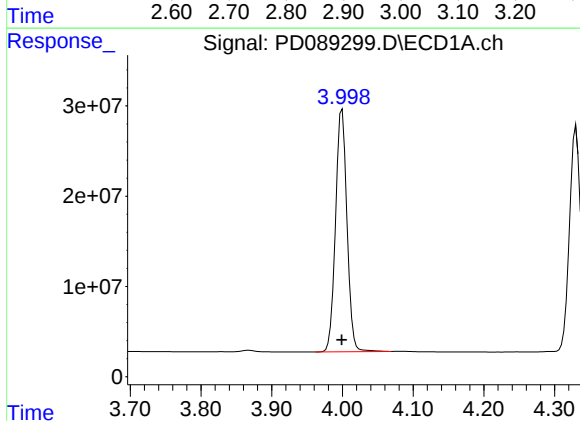
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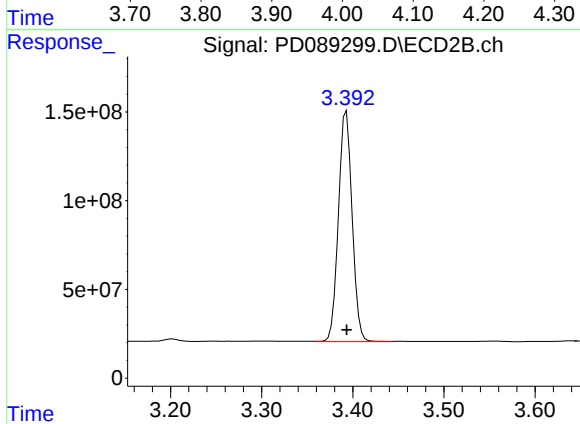
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 889043626
Conc: 52.44 ng/ml



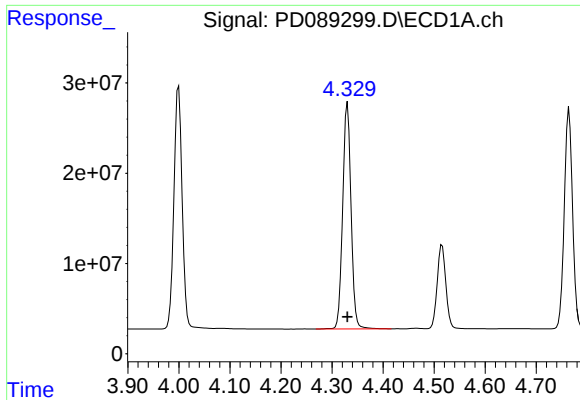
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 301285650
Conc: 51.69 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1358755606
Conc: 50.71 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 285523322
Conc: 51.15 ng/ml

Instrument :

ECD_D

ClientSampleId :

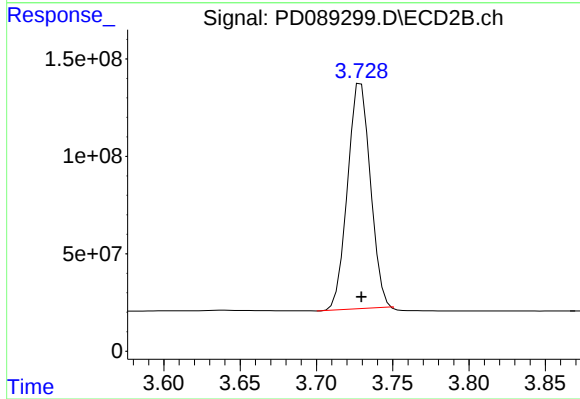
PSTDCCC050

Manual Integrations

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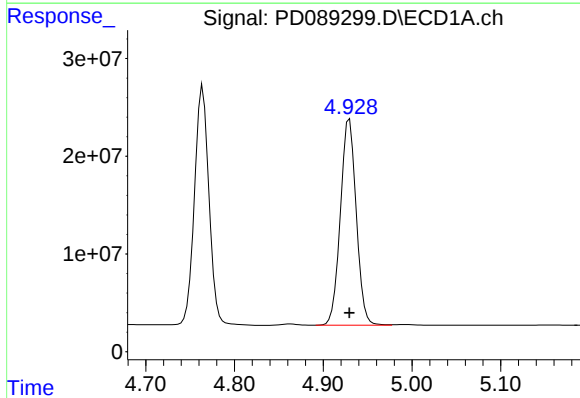
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025



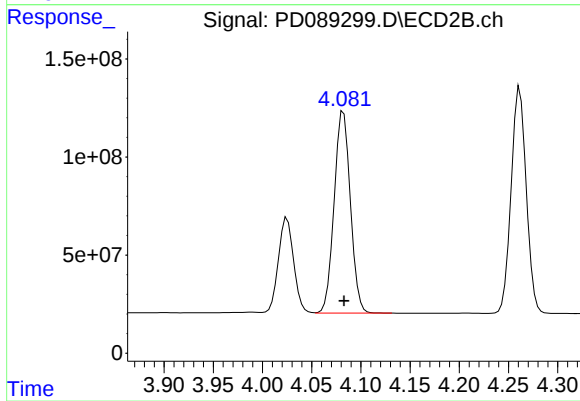
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1204441518
Conc: 48.65 ng/ml



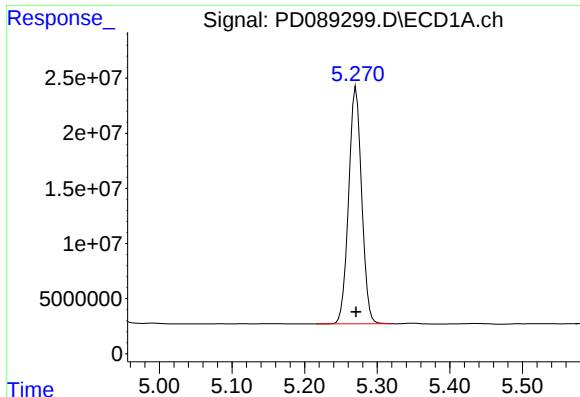
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 261692825
Conc: 48.00 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1183370707
Conc: 47.26 ng/ml



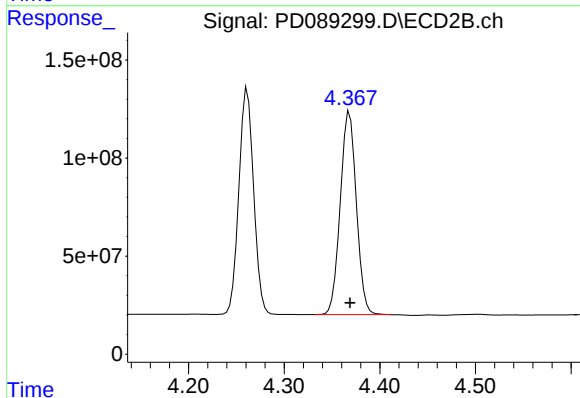
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 268154642
Conc: 50.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

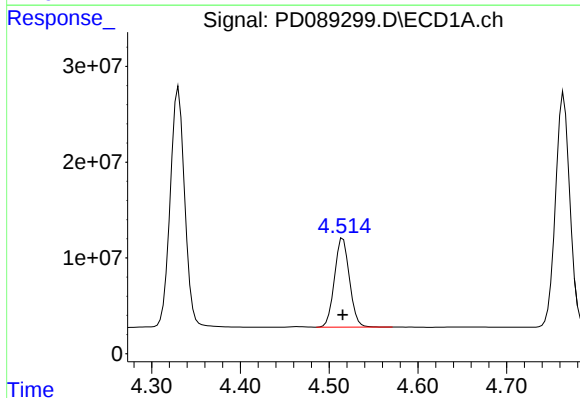
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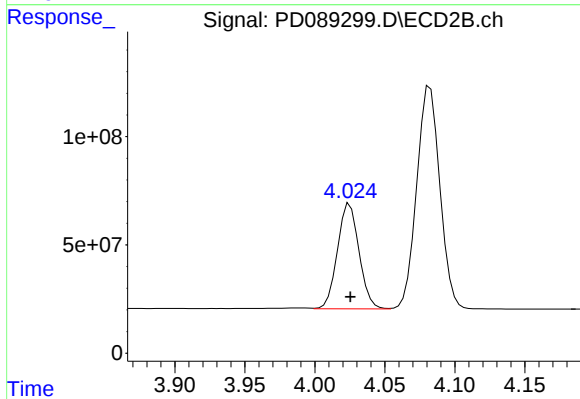
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1214069593
Conc: 50.13 ng/ml



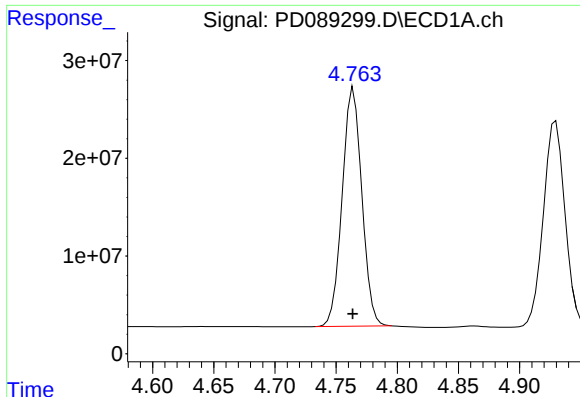
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 109035310
Conc: 49.40 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 522547395
Conc: 48.63 ng/ml



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 272888059
Conc: 53.16 ng/ml

Instrument :

ECD_D

ClientSampleId :

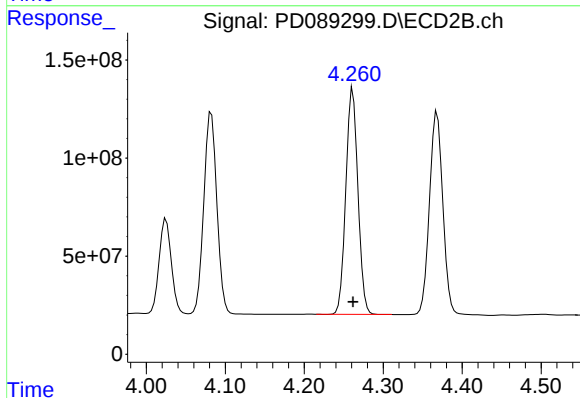
PSTDCCC050

Manual Integrations

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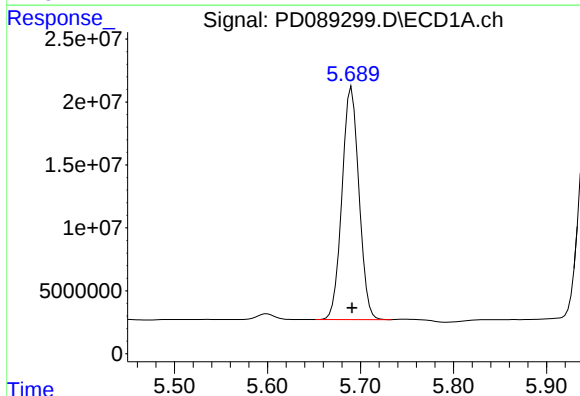
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025



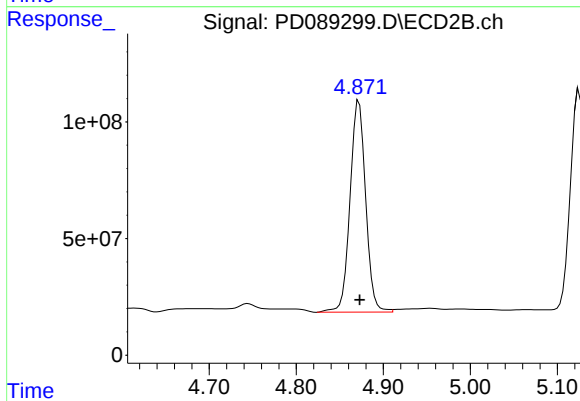
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1230787825
Conc: 49.48 ng/ml



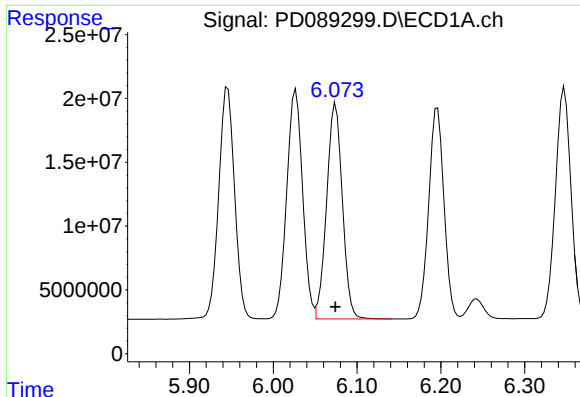
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 233922865
Conc: 48.49 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1132849135
Conc: 51.73 ng/ml



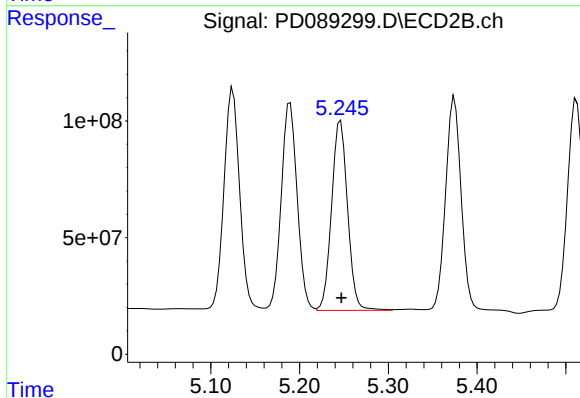
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 220127150
Conc: 48.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

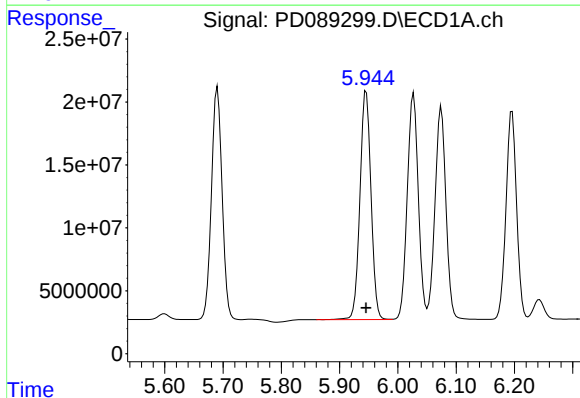
Manual Integrations
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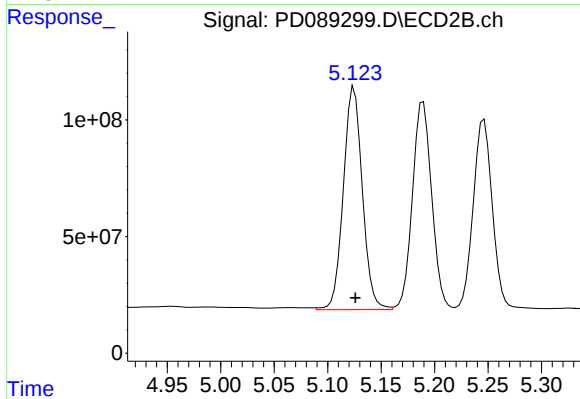
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 1018002743
Conc: 48.84 ng/ml



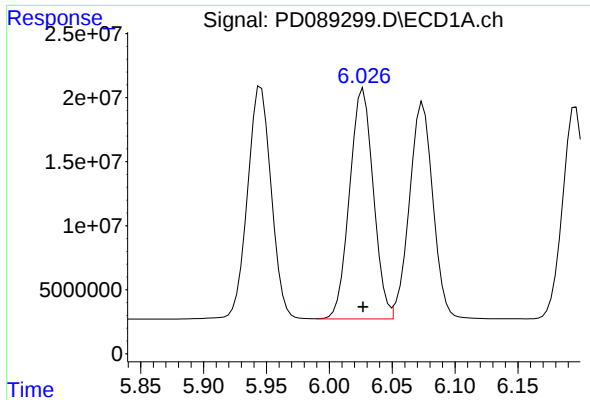
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 238796825
Conc: 49.87 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1181089163
Conc: 49.37 ng/ml



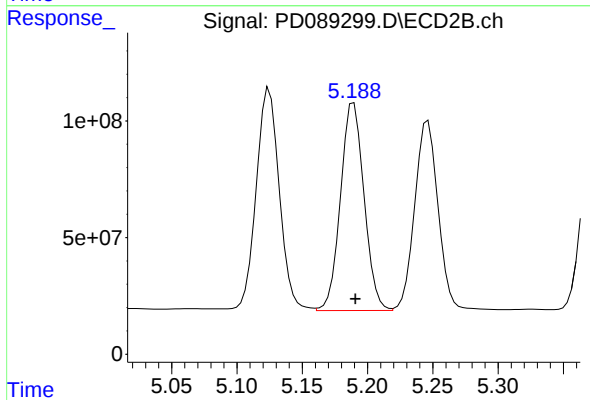
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 236252204
Conc: 48.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

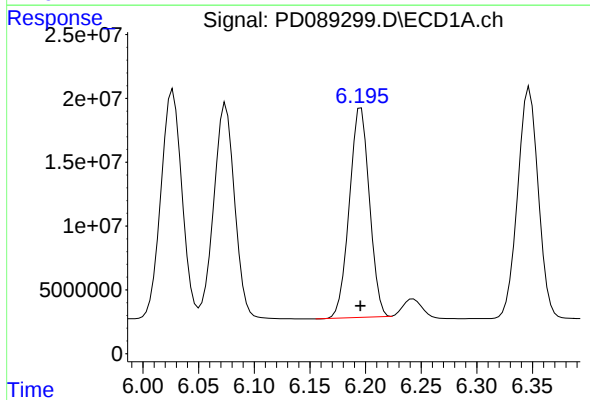
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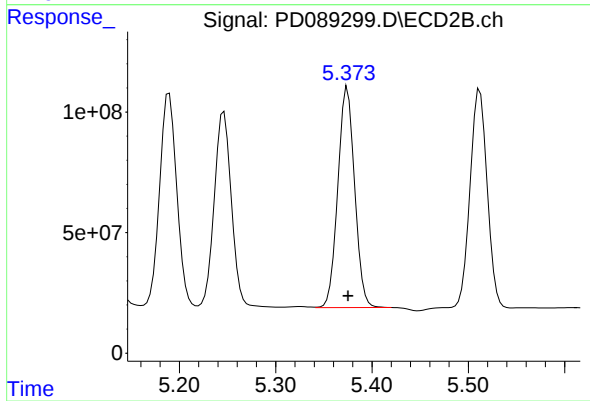
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.001 min
Response: 1117293305
Conc: 48.80 ng/ml



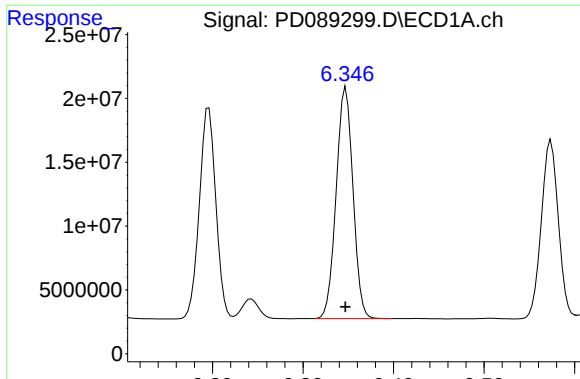
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 206174110
Conc: 47.28 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1106470733
Conc: 48.28 ng/ml



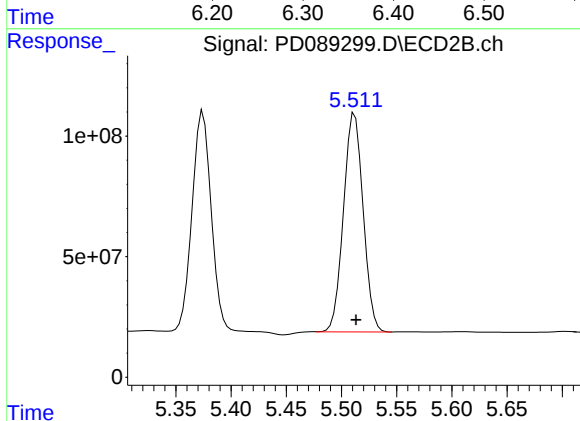
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 233573450
Conc: 48.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

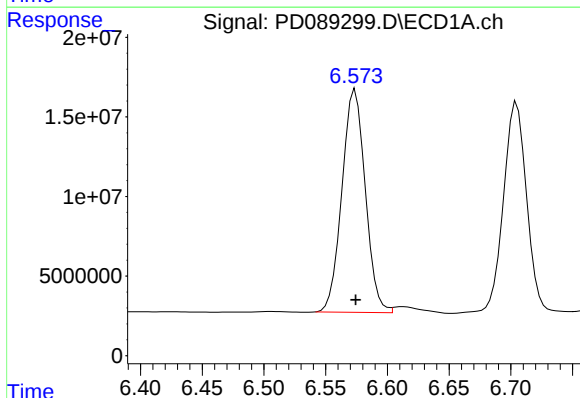
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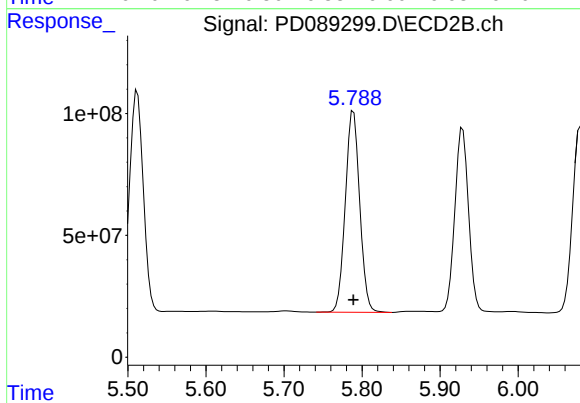
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.003 min
Response: 1124918368
Conc: 48.47 ng/ml m



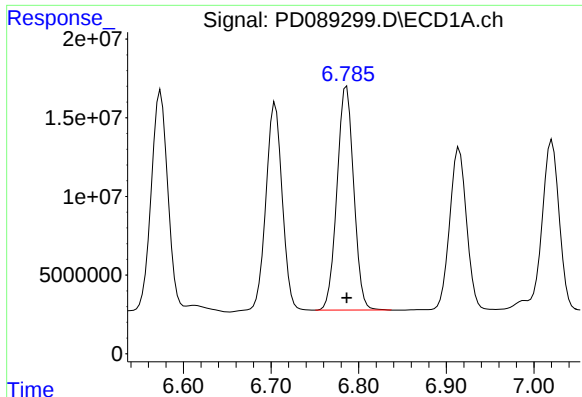
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 184361092
Conc: 44.69 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1057543294
Conc: 48.70 ng/ml



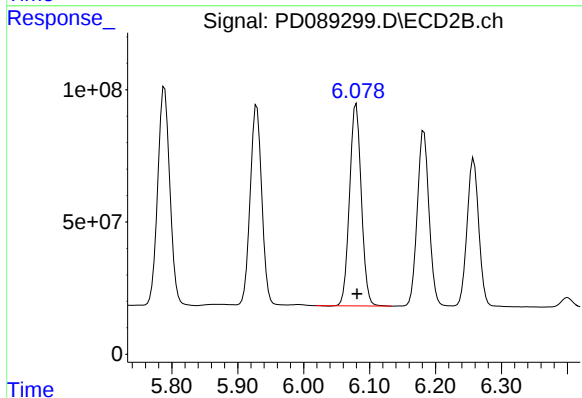
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 188917138
Conc: 46.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

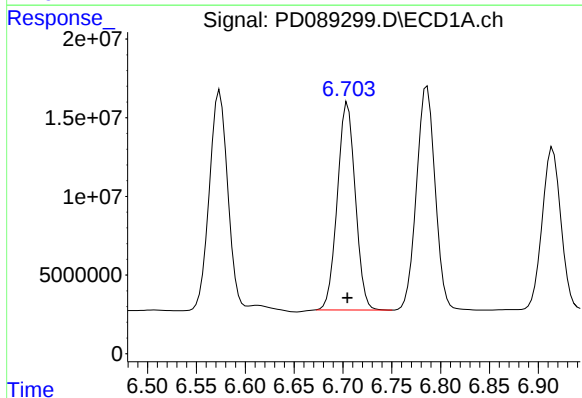
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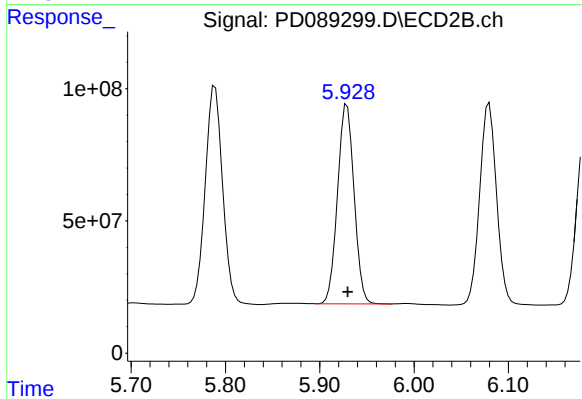
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 949815672
Conc: 47.03 ng/ml



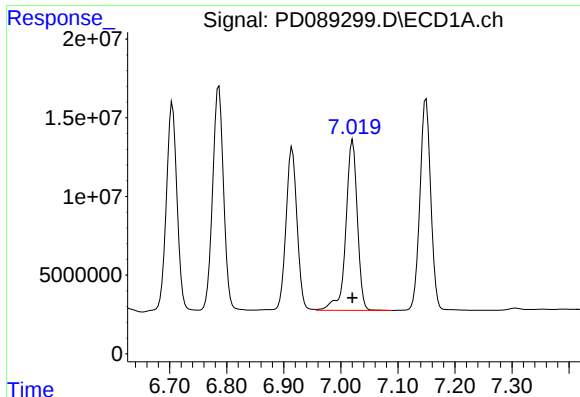
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 168983255
Conc: 49.24 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 919764028
Conc: 48.08 ng/ml



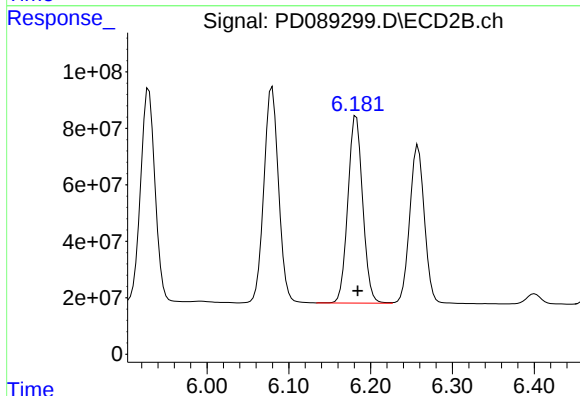
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 152329869
Conc: 40.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

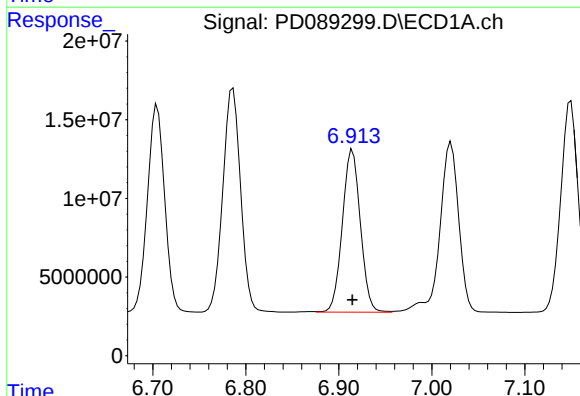
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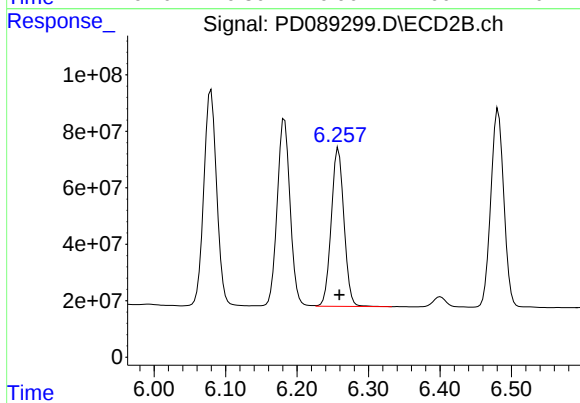
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 829557151
Conc: 40.91 ng/ml



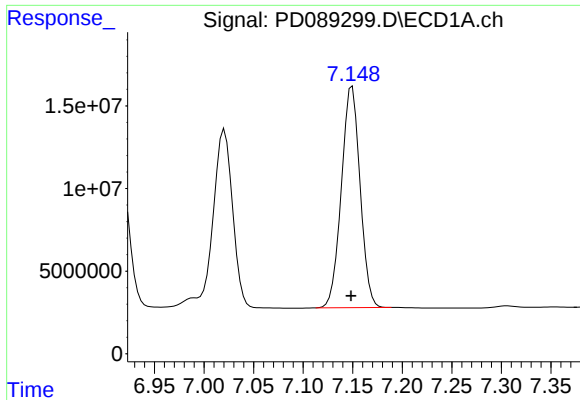
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 138705598
Conc: 45.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 694496996
Conc: 45.36 ng/ml



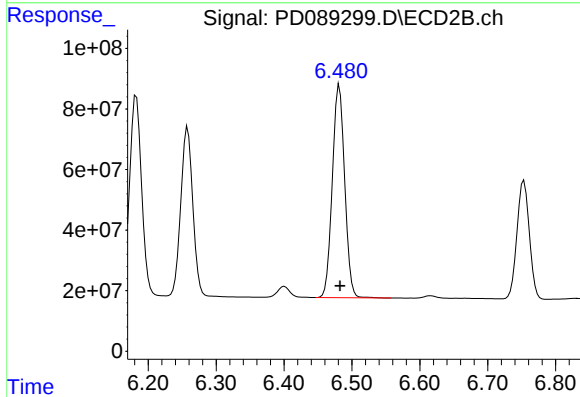
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.001 min
Response: 175868920
Conc: 45.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

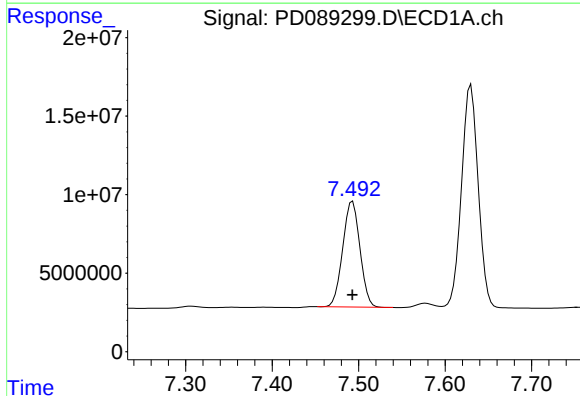
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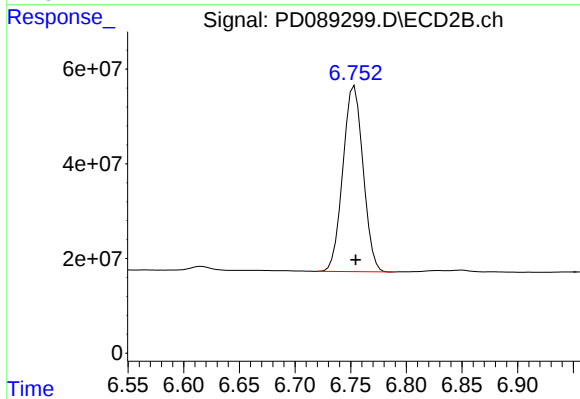
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 887595835
Conc: 45.24 ng/ml



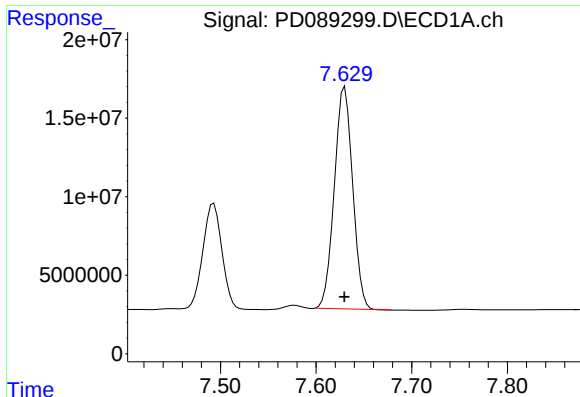
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 92501875
Conc: 45.78 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 495627690
Conc: 46.03 ng/ml



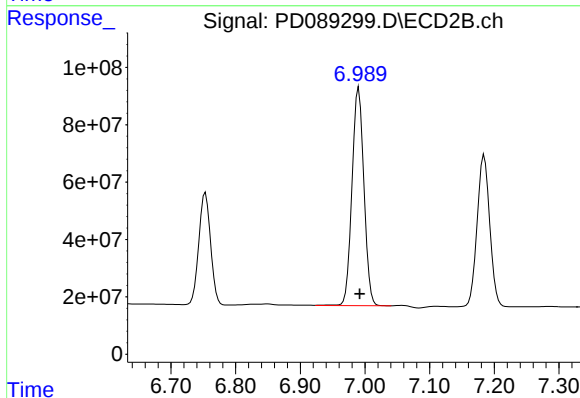
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 188119749
Conc: 46.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

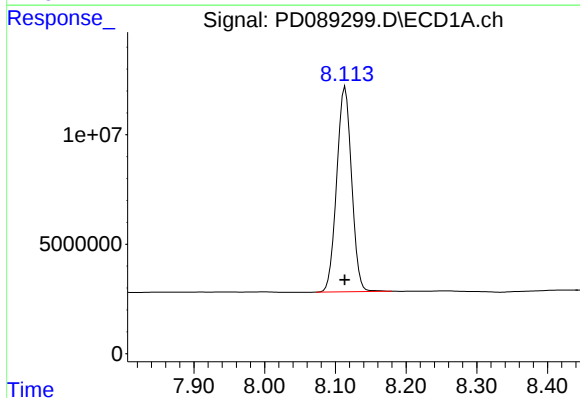
Manual Integrations
APPROVED

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



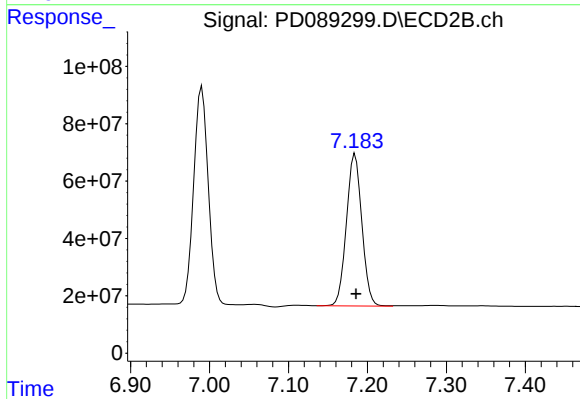
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 977151683
Conc: 45.23 ng/ml



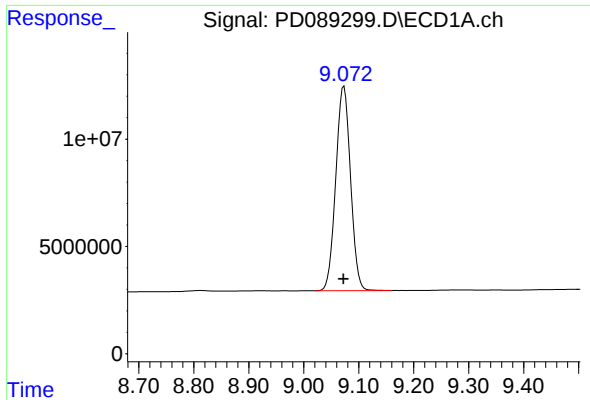
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 136951188
Conc: 45.05 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 721048778
Conc: 43.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 177883077
Conc: 45.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

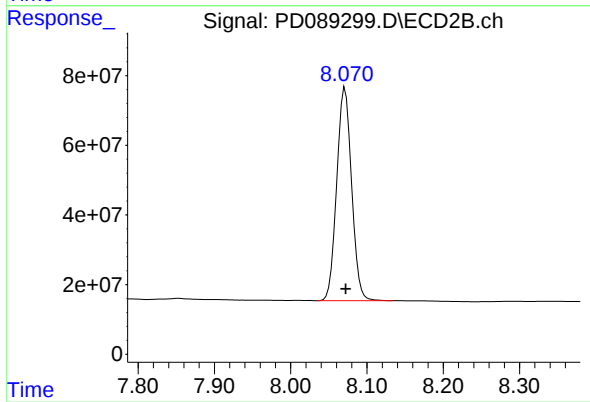
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 827562950
Conc: 41.86 ng/ml