

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072825\
 Data File : PD089657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:59
 Operator : AR\AJ
 Sample : Q2706-03MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ETGI-361MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 01:34:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 22 04:39:29 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	2.879	37623909	247.3E6	13.058	12.637m
2)	SA Decachlor...	9.070	8.067	34200724	172.2E6	8.327m	7.011m
Target Compounds							
2)	A alpha-BHC	3.999	3.391	237.9E6	1132.8E6	41.659	37.704m
3)	MA gamma-BHC...	4.330	3.728	233.0E6	1046.2E6	42.227	37.684
4)	MA Heptachlor	4.929	4.081	205.6E6	1012.1E6	37.704	36.123
5)	MB Aldrin	5.270	4.367	207.6E6	1006.1E6	39.676	36.738
6)	B beta-BHC	4.516	4.024	84346376	449.0E6	39.119	37.725
7)	B delta-BHC	4.765	4.261	218.0E6	1036.9E6	41.247	37.170
8)	B Heptachlo...	5.689	4.871	196.1E6	973.1E6	41.519m	39.142
9)	A Endosulfan I	6.074	5.246	161.8E6	817.8E6	36.388	34.439
10)	B gamma-Chl...	5.946	5.122	197.9E6	1029.2E6	41.747	38.471m
11)	B alpha-Chl...	6.027	5.189	231.8E6	1044.9E6	48.637	40.513
12)	B 4,4'-DDE	6.195	5.373	156.6E6	894.4E6	36.465	34.063
13)	MA Dieldrin	6.346	5.511	176.4E6	925.2E6	37.370	35.009
14)	MA Endrin	6.574	5.788	140.8E6	824.7E6	34.563	34.103
15)	B Endosulfa...	6.786	6.079	143.2E6	740.3E6	35.184	32.231
16)	A 4,4'-DDD	6.705	5.927	131.3E6	677.9E6	38.741	30.923
17)	MA 4,4'-DDT	7.020	6.182	126.7E6	704.9E6	33.583	30.113
18)	B Endrin al...	6.915	6.257	110.8E6	535.0E6	38.011	32.237
19)	B Endosulfa...	7.149	6.480	130.4E6	672.1E6	34.556	30.277
20)	A Methoxychlor	7.491	6.750	77175388	343.1E6	38.494m	28.140m#
21)	B Endrin ke...	7.629	6.989	148.3E6	668.2E6	36.845	27.288 #
22)	Mirex	8.113	7.182	106.0E6	500.0E6	34.472	25.867

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

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Acq On : 28 Jul 2025 16:59
Operator : AR\AJ
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ECD_D

ClientSampleId :

ETGI-361MSD

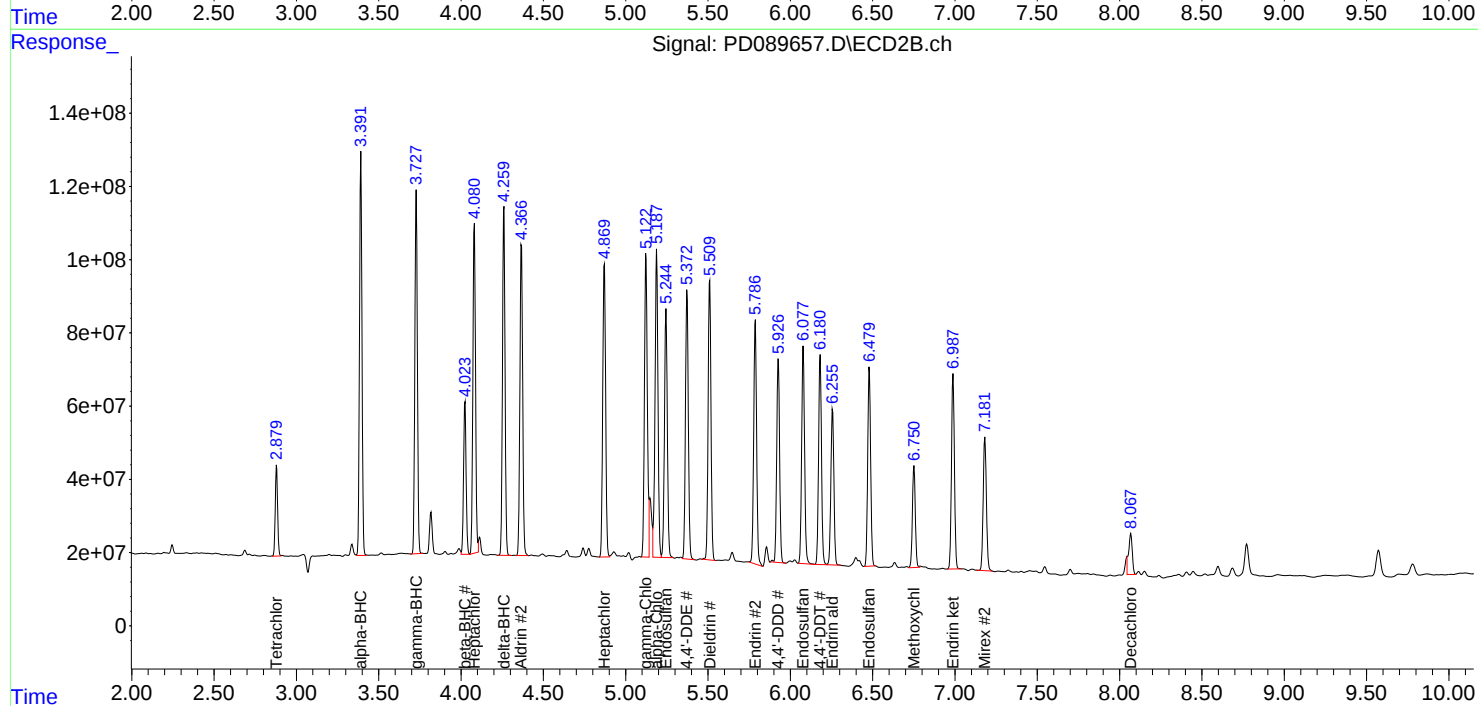
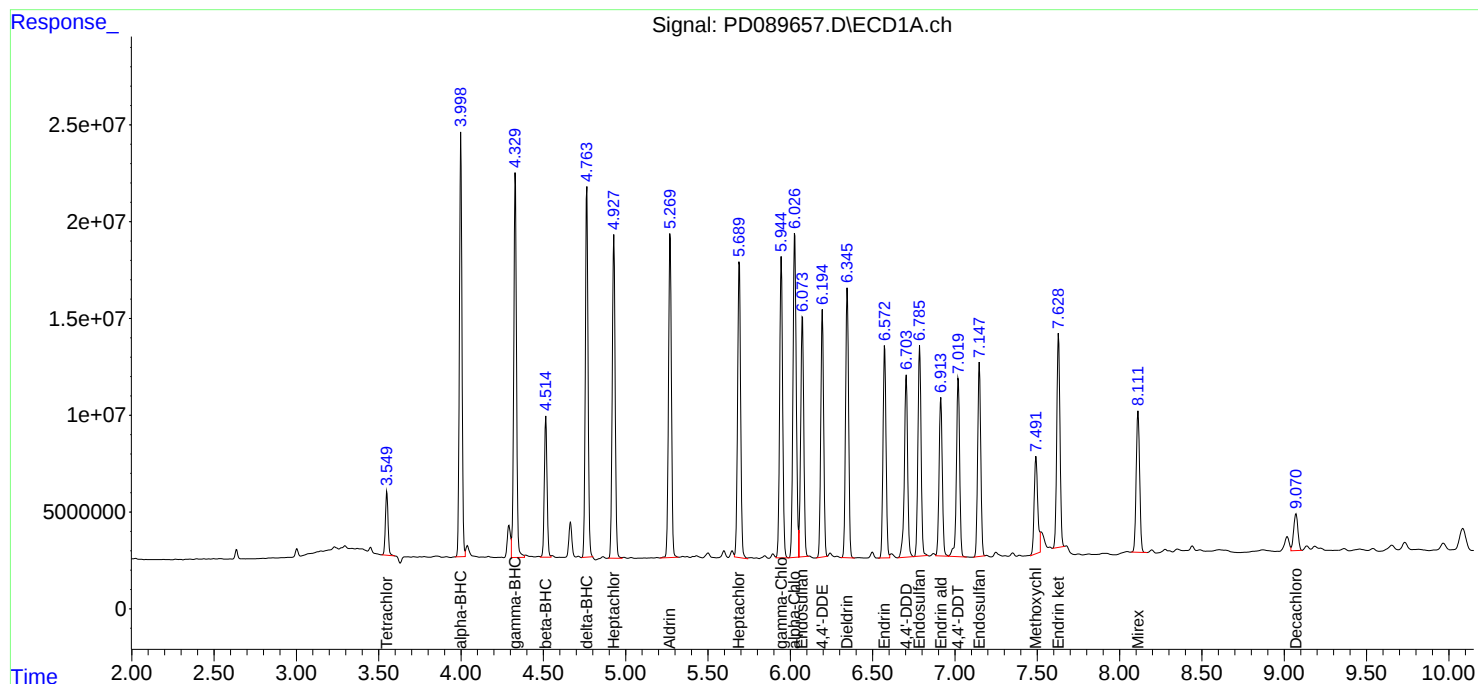
Manual Integrations

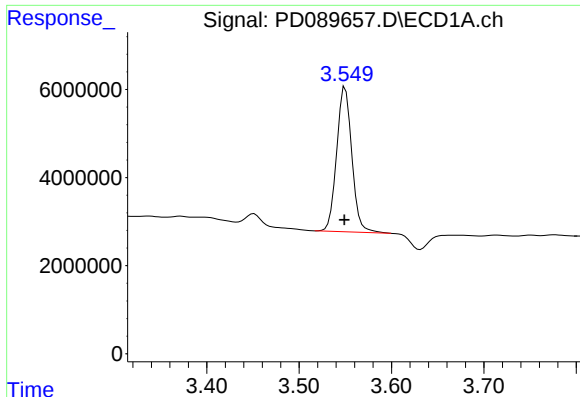
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Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 01:34:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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





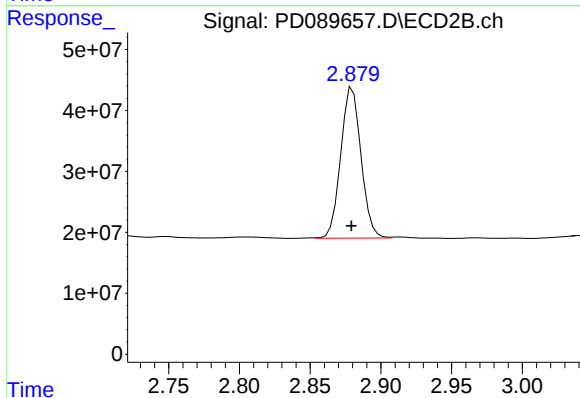
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 37623909
Conc: 13.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

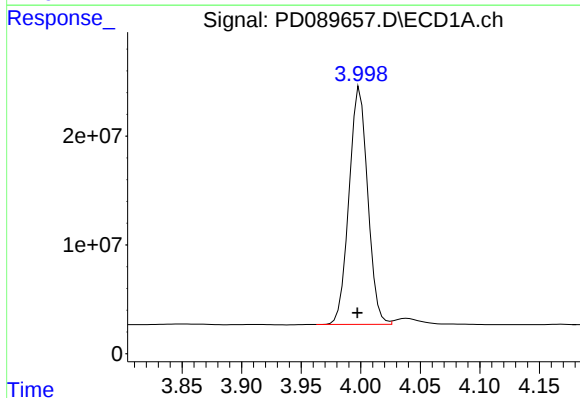
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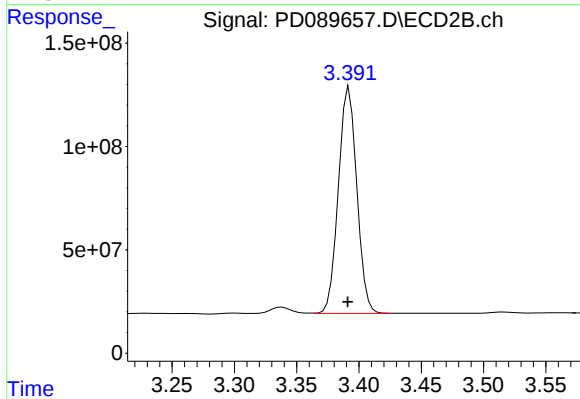
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 247266169
Conc: 12.64 ng/ml m



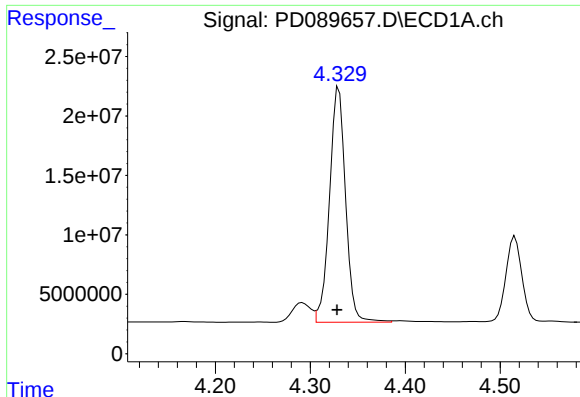
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 237854610
Conc: 41.66 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1132804430
Conc: 37.70 ng/ml m



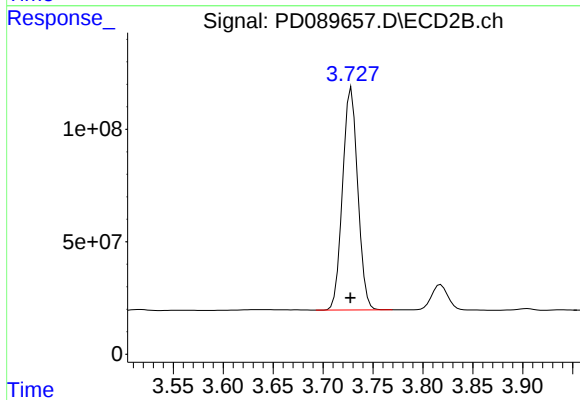
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 232982474
Conc: 42.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

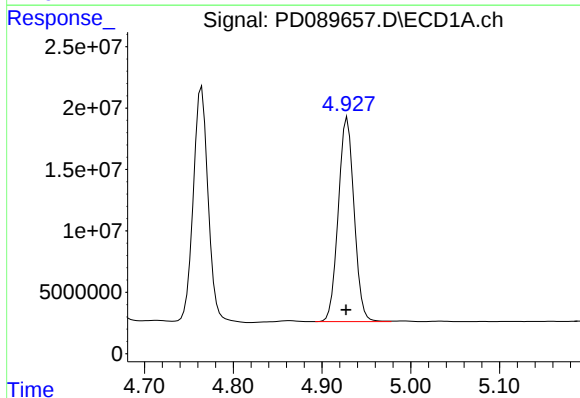
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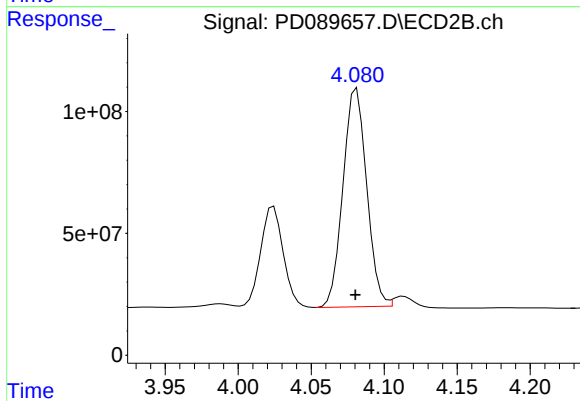
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.001 min
Response: 1046195755
Conc: 37.68 ng/ml



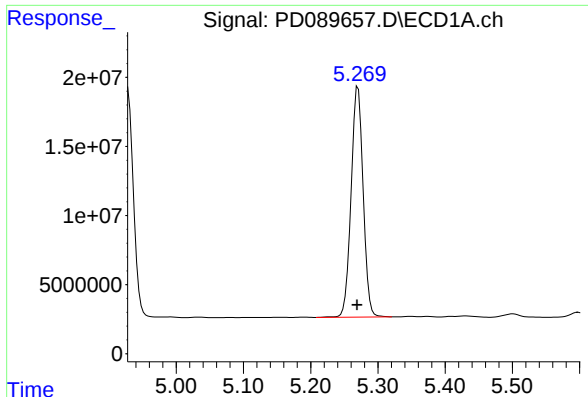
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.001 min
Response: 205633813
Conc: 37.70 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 1012102538
Conc: 36.12 ng/ml



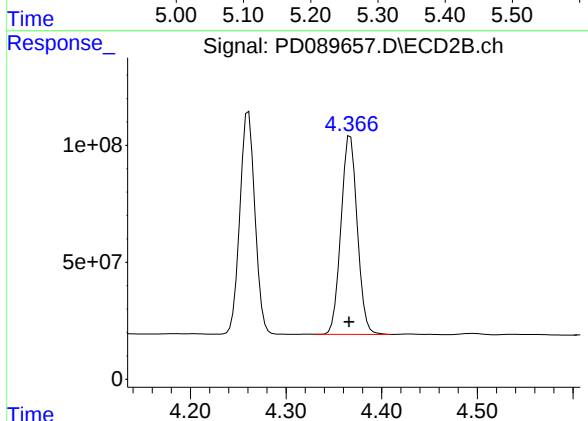
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.001 min
Response: 207618865
Conc: 39.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

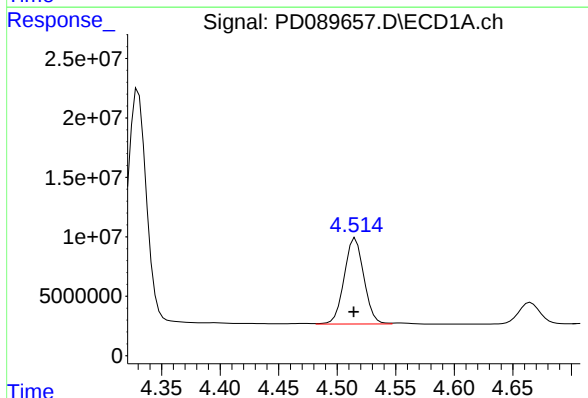
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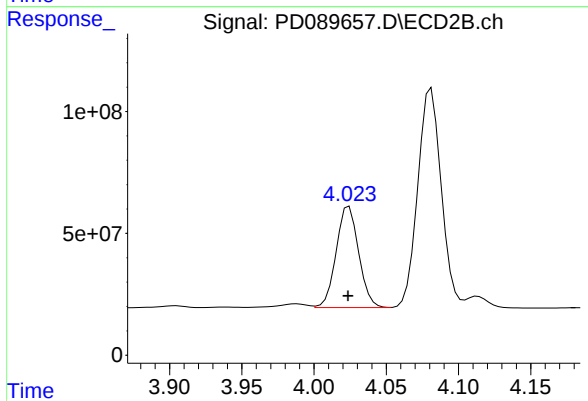
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.001 min
Response: 1006107619
Conc: 36.74 ng/ml



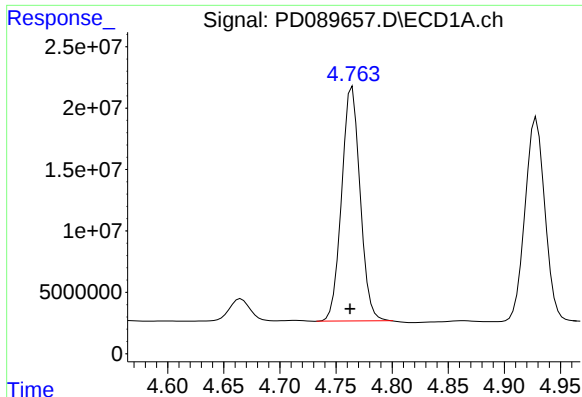
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 84346376
Conc: 39.12 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 449022364
Conc: 37.72 ng/ml



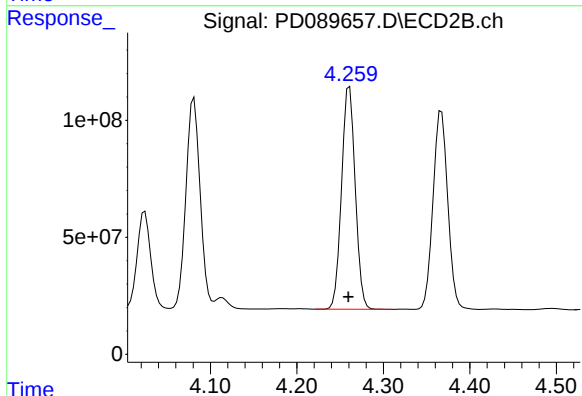
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.002 min
Response: 217997832
Conc: 41.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

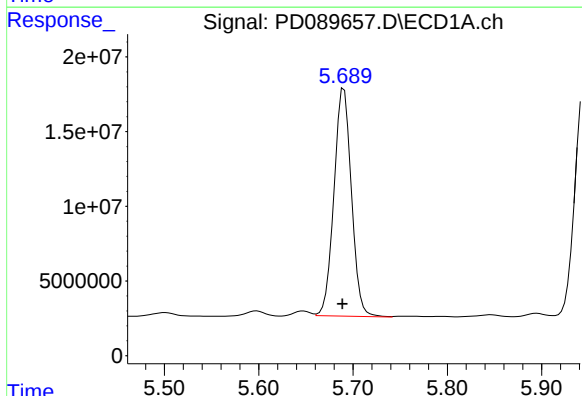
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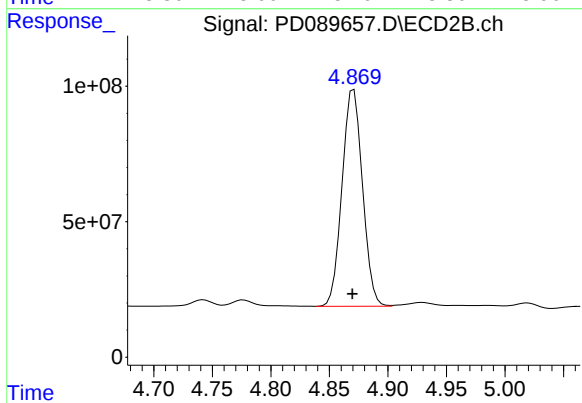
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.001 min
Response: 1036892954
Conc: 37.17 ng/ml



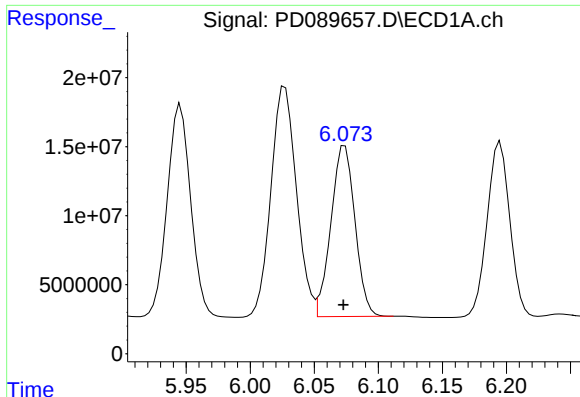
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 196118282
Conc: 41.52 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: 0.001 min
Response: 973137789
Conc: 39.14 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 161768760
Conc: 36.39 ng/ml

Instrument :

ECD_D

ClientSampleId :

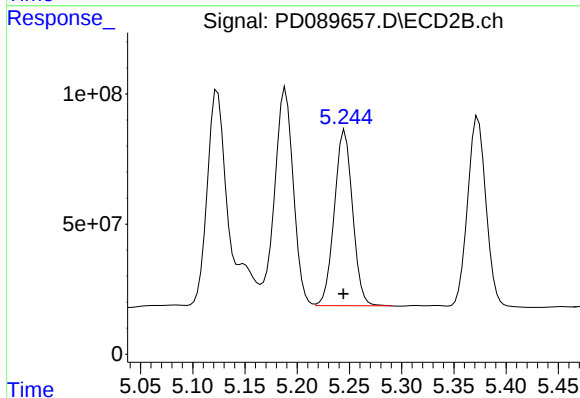
ETGI-361MSD

Manual Integrations

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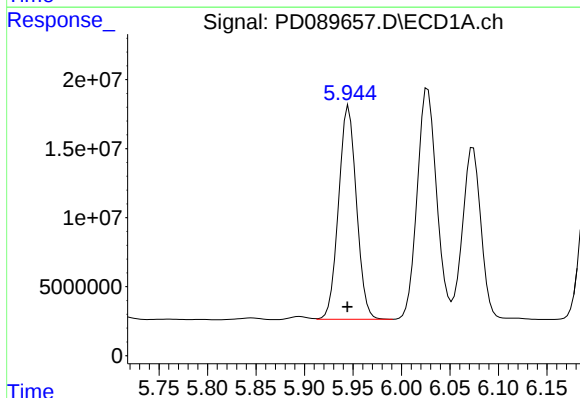
Reviewed By :Yogesh Patel 07/29/2025

Supervised By :mohammad ahmed 07/30/2025



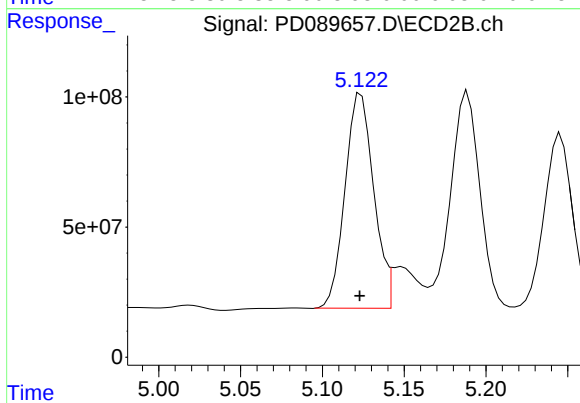
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.002 min
Response: 817781906
Conc: 34.44 ng/ml



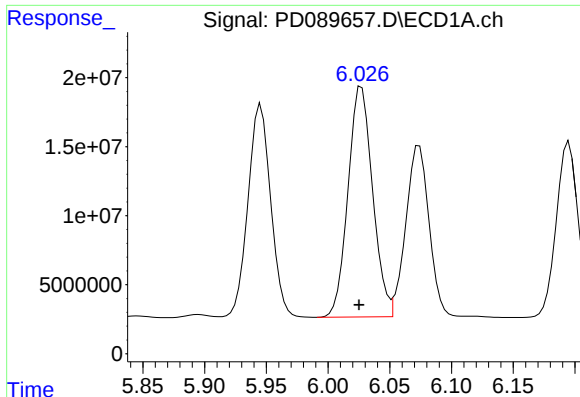
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.001 min
Response: 197925600
Conc: 41.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1029202122
Conc: 38.47 ng/ml m



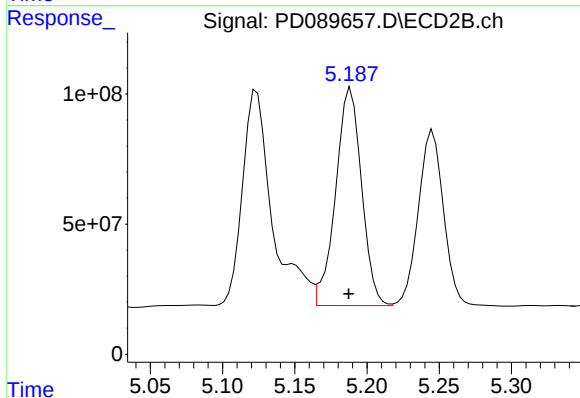
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 231839206
Conc: 48.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

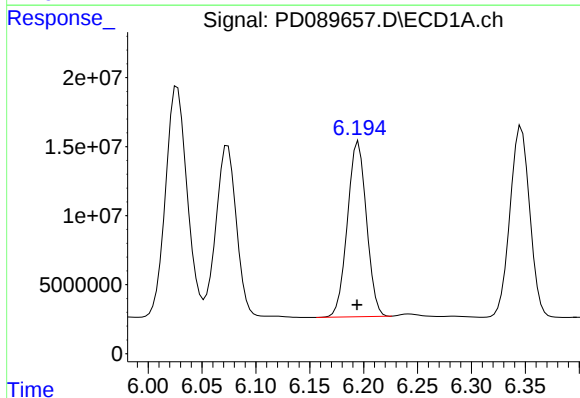
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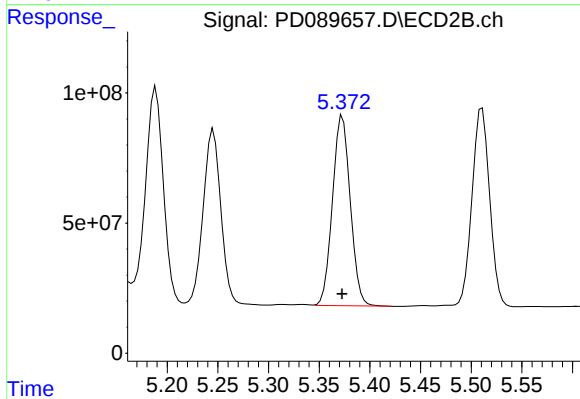
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: 0.002 min
Response: 1044904920
Conc: 40.51 ng/ml



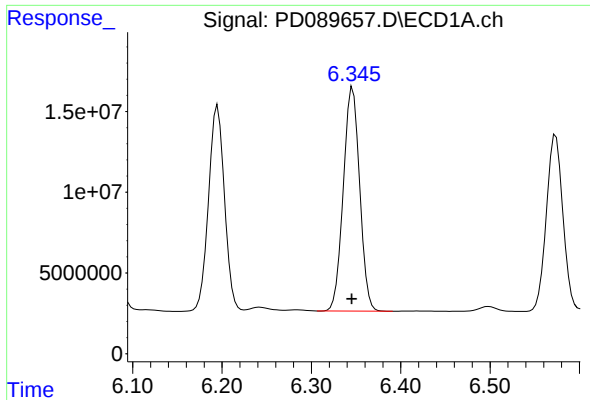
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.001 min
Response: 156571890
Conc: 36.46 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 894375880
Conc: 34.06 ng/ml



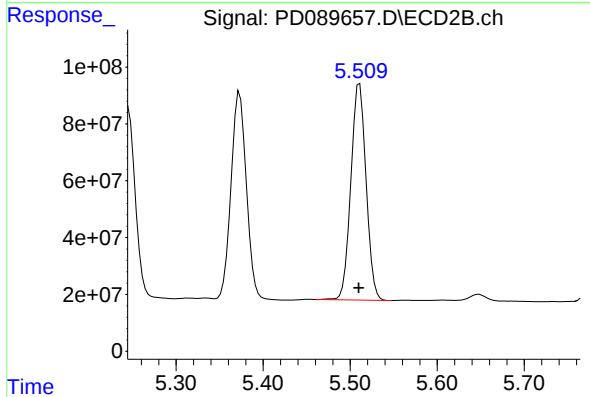
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.001 min
Response: 176413531
Conc: 37.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

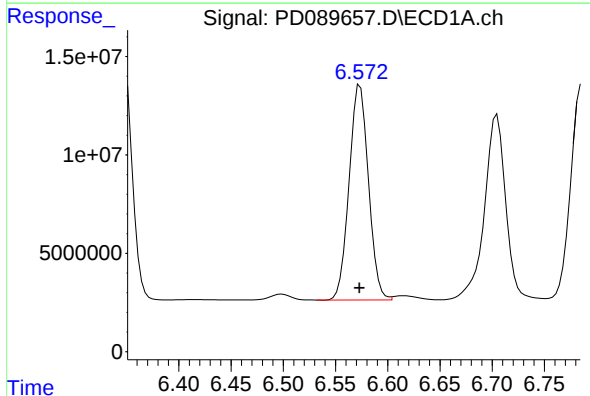
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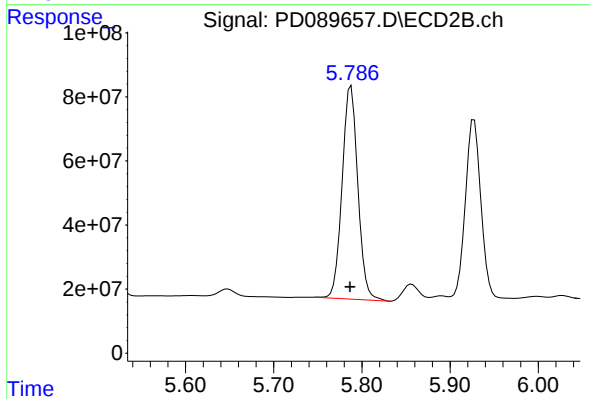
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.000 min
Response: 925169367
Conc: 35.01 ng/ml



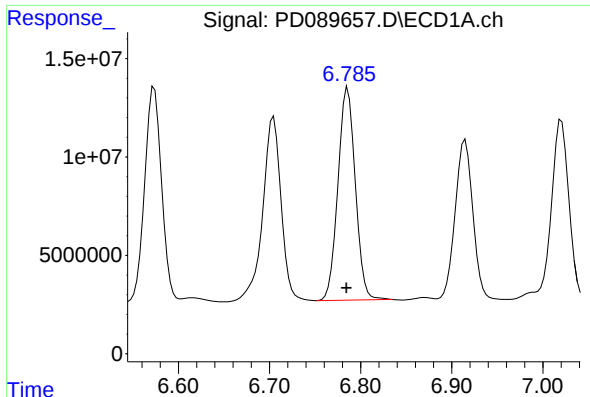
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 140760516
Conc: 34.56 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 824663525
Conc: 34.10 ng/ml



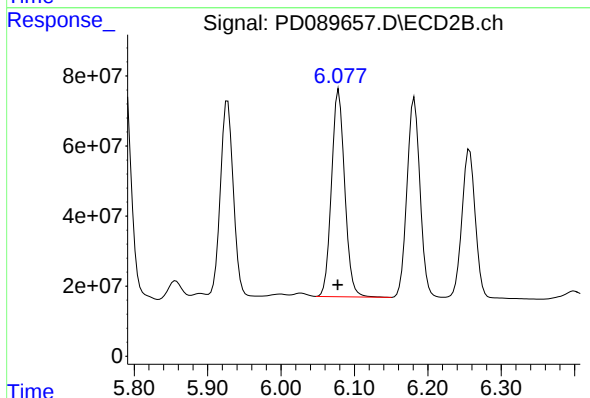
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.002 min
Response: 143161059
Conc: 35.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
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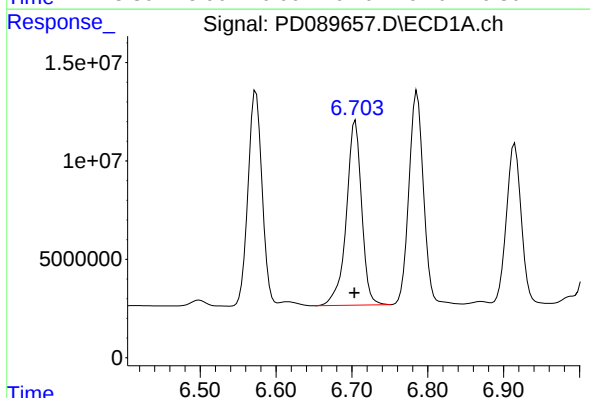
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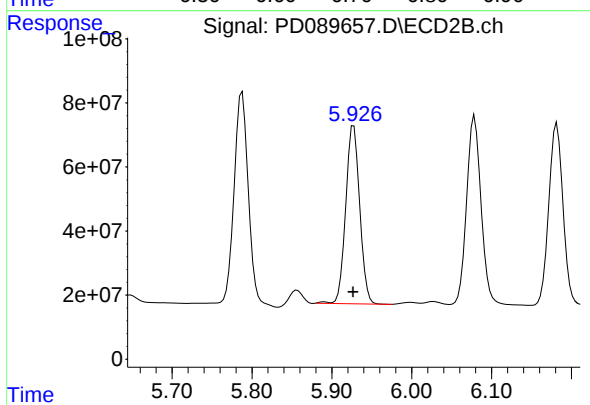
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.001 min
Response: 740292021
Conc: 32.23 ng/ml



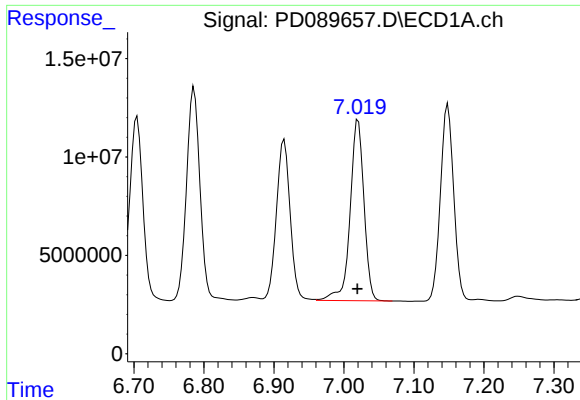
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.001 min
Response: 131282277
Conc: 38.74 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 677895066
Conc: 30.92 ng/ml



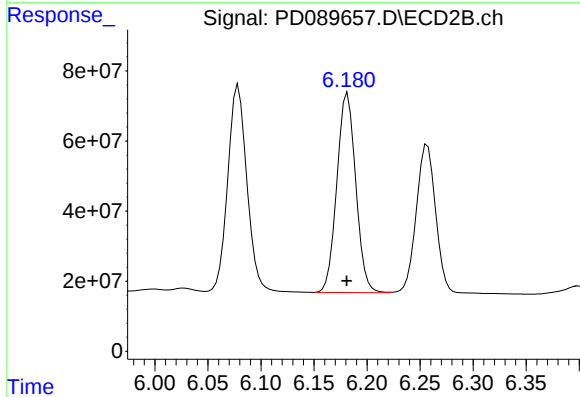
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 126706861
Conc: 33.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

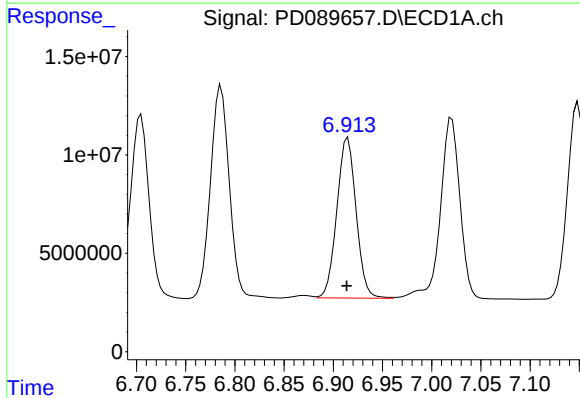
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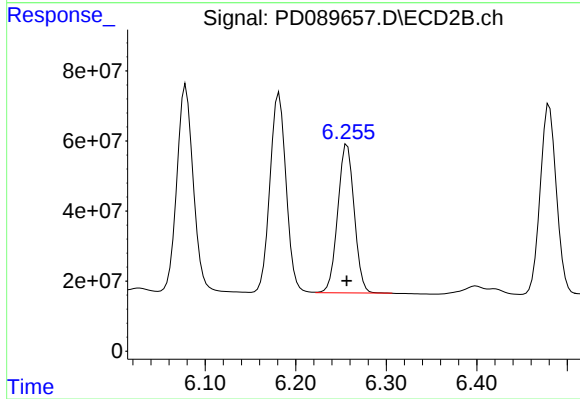
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 704863523
Conc: 30.11 ng/ml



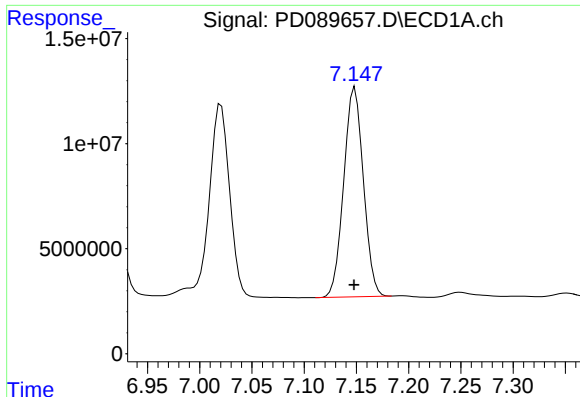
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.001 min
Response: 110826310
Conc: 38.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: 0.000 min
Response: 535044127
Conc: 32.24 ng/ml



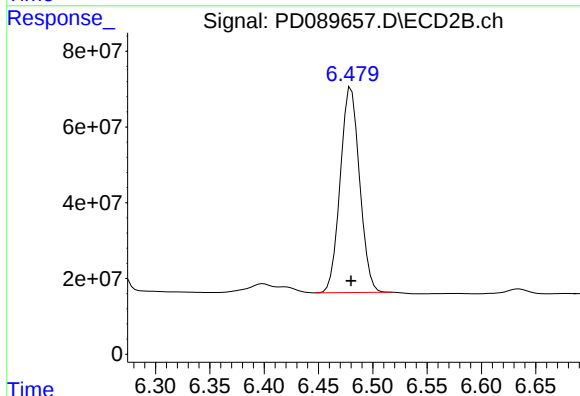
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 130421080
Conc: 34.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

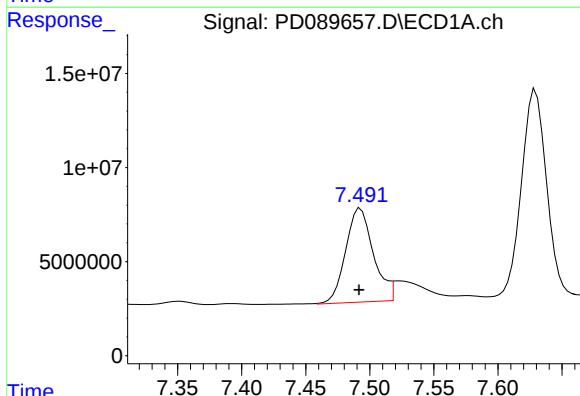
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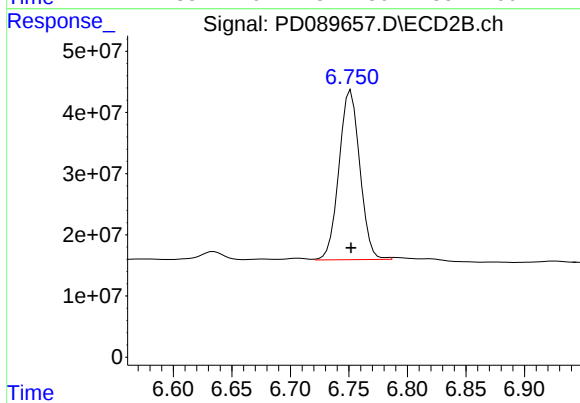
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 672097505
Conc: 30.28 ng/ml



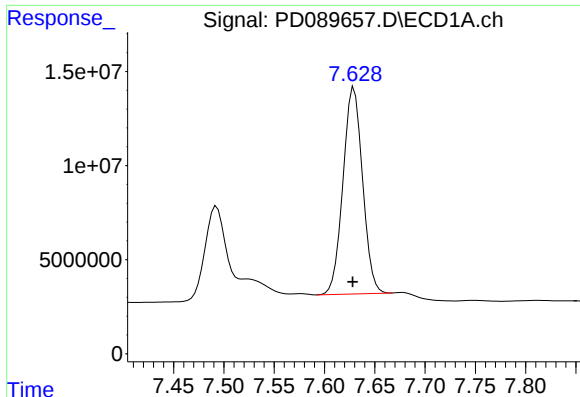
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 77175388
Conc: 38.49 ng/ml m



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 343082806
Conc: 28.14 ng/ml m



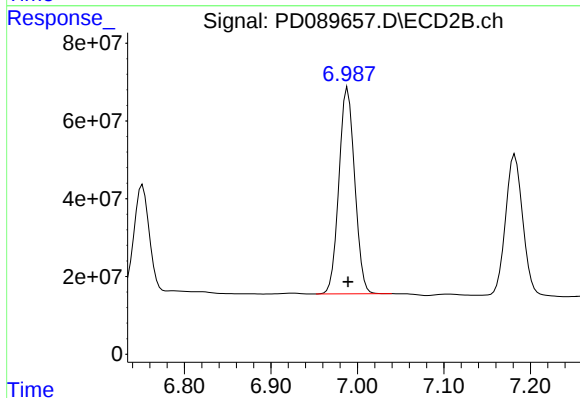
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.001 min
Response: 148275086
Conc: 36.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

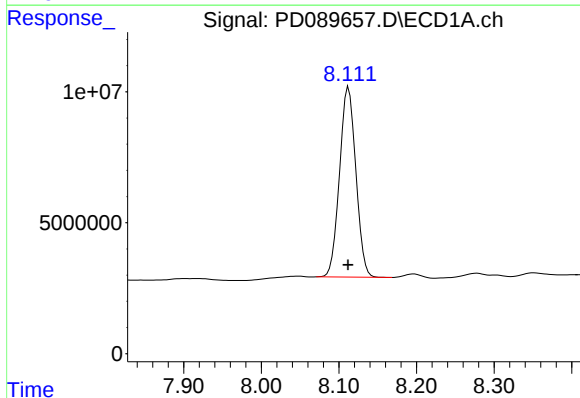
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



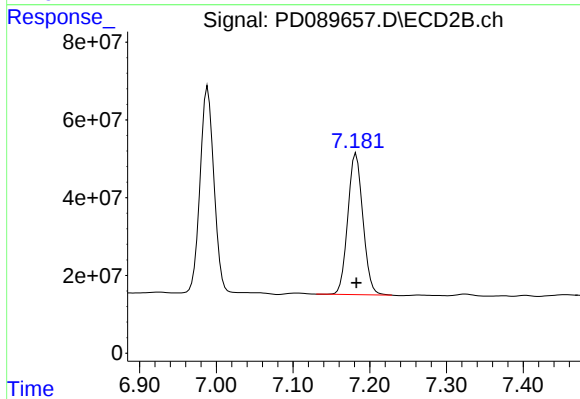
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 668244646
Conc: 27.29 ng/ml



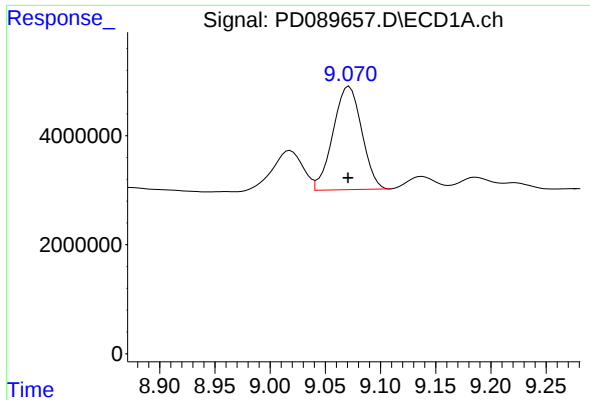
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 106041549
Conc: 34.47 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 500004410
Conc: 25.87 ng/ml



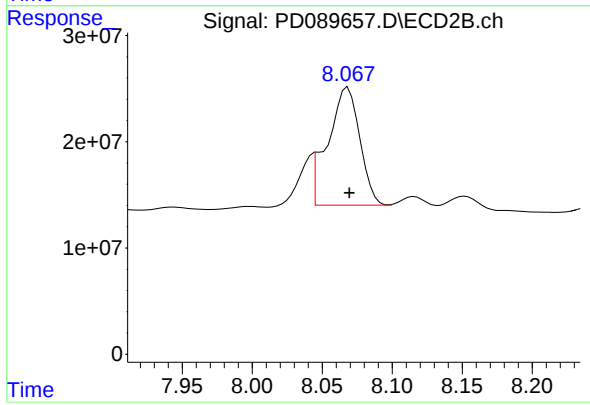
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 34200724
Conc: 8.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-361MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 172242409
Conc: 7.01 ng/ml m