

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
 Data File : PD091321.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Nov 2025 18:56
 Operator : AR\AJ
 Sample : Q3681-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ETGI-354MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 22:49:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 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...	3.540	2.870	34895424	445.5E6	10.119m	12.162m
28)	SA Decachlor...	9.058	8.055	58432131	476.9E6	11.729	12.052
Target Compounds							
2)	A alpha-BHC	3.990	3.383	328.5E6	2350.0E6	41.090	37.182
3)	MA gamma-BHC...	4.320	3.719	325.3E6	2418.7E6	43.531m	41.831
4)	MA Heptachlor	4.918	4.071	299.3E6	2379.5E6	41.794	43.100
5)	MB Aldrin	5.259	4.356	315.4E6	2487.6E6	43.468	44.060
6)	B beta-BHC	4.509	4.015	108.7E6	1066.4E6	37.418	44.382
7)	B delta-BHC	4.757	4.251	319.8E6	2559.1E6	43.024	43.762
8)	B Heptachlo...	5.680	4.859	274.9E6	2318.3E6	42.314	45.493
9)	A Endosulfan I	6.063	5.234	267.3E6	2044.6E6	43.519	42.728
10)	B gamma-Chl...	5.934	5.110	277.0E6	2519.5E6	42.603m	46.122m
11)	B alpha-Chl...	6.016	5.176	283.5E6	2410.0E6	41.183	46.052
12)	B 4,4'-DDE	6.186	5.360	247.0E6	2430.9E6	42.596	45.486
13)	MA Dieldrin	6.336	5.498	295.9E6	2617.8E6	45.775	48.201
14)	MA Endrin	6.563	5.775	232.0E6	2203.5E6	46.733	48.759
15)	B Endosulfa...	6.776	6.067	238.1E6	2146.3E6	42.823	45.978
16)	A 4,4'-DDD	6.695	5.915	204.8E6	2021.7E6	41.704	41.371
17)	MA 4,4'-DDT	7.010	6.168	193.3E6	1968.4E6	46.741	50.300
18)	B Endrin al...	6.905	6.245	176.3E6	1598.1E6	42.327	45.285
19)	B Endosulfa...	7.140	6.468	219.2E6	2083.2E6	42.610	46.463
20)	A Methoxychlor	7.484	6.738	98372303	962.5E6	45.242	48.001
21)	B Endrin ke...	7.620	6.977	242.0E6	2268.4E6	42.960	44.517
22)	Mirex	8.102	7.169	149.8E6	1483.9E6	42.115	44.776

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
Data File : PD091321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Nov 2025 18:56
Operator : AR\AJ
Sample : Q3681-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ETGI-354MS

Manual Integrations

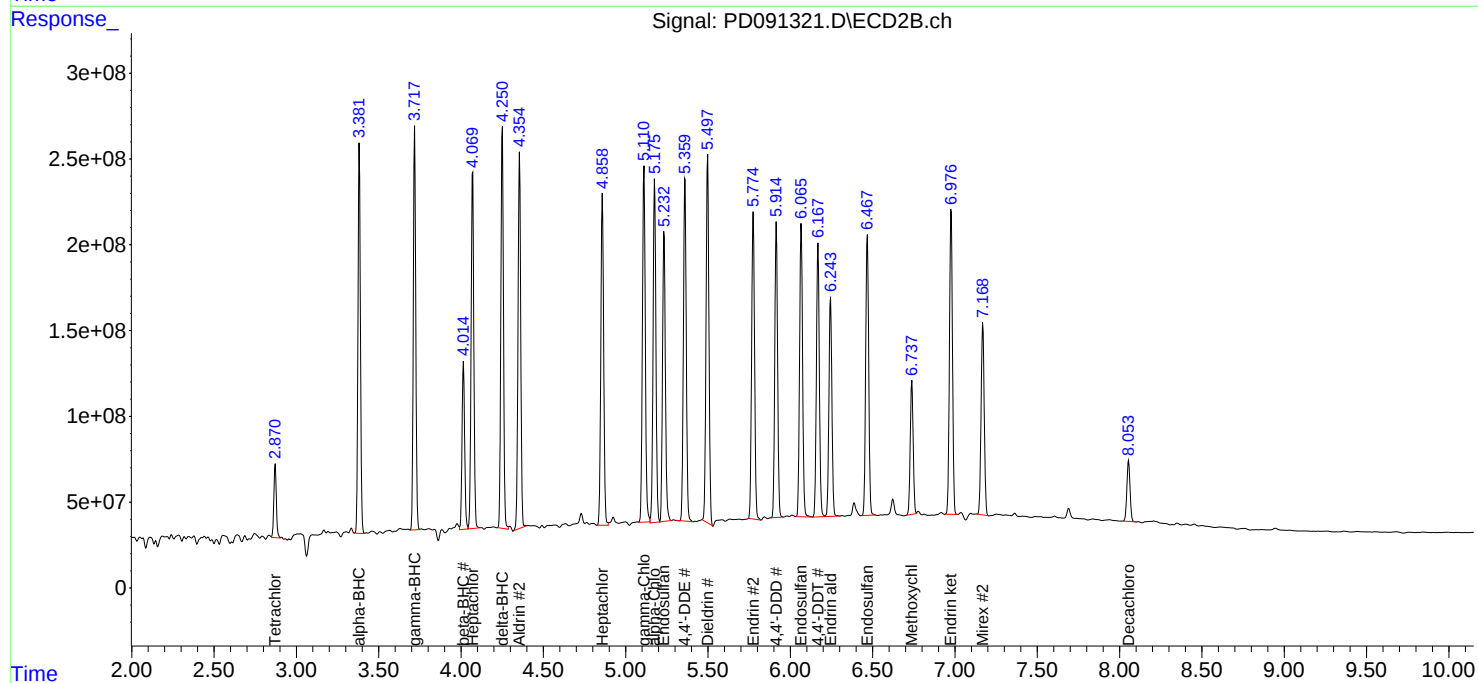
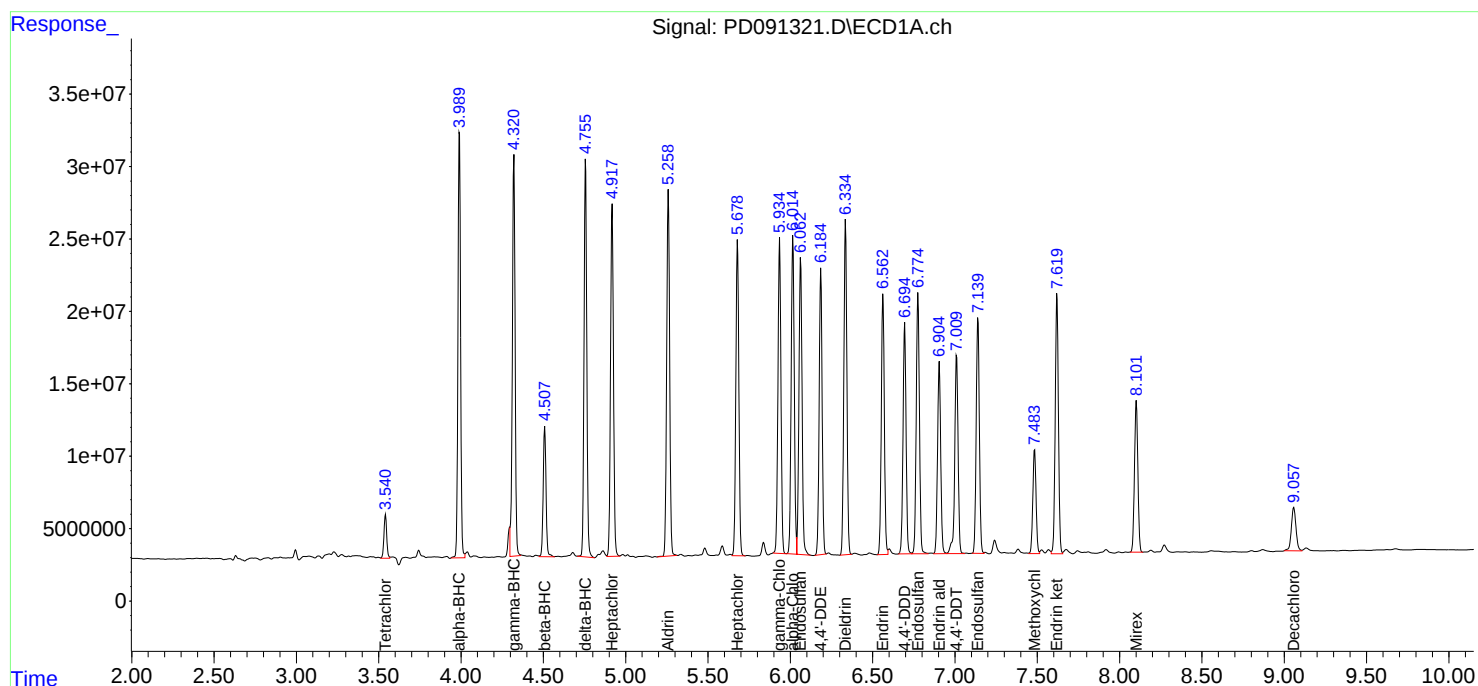
APPROVED

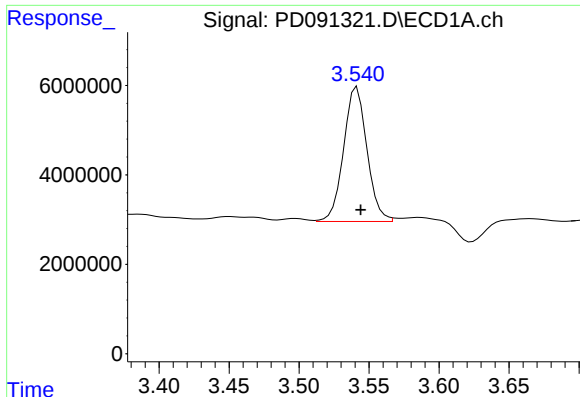
Reviewed By :Abdul Mirza 11/21/2025

Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 22:49:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 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





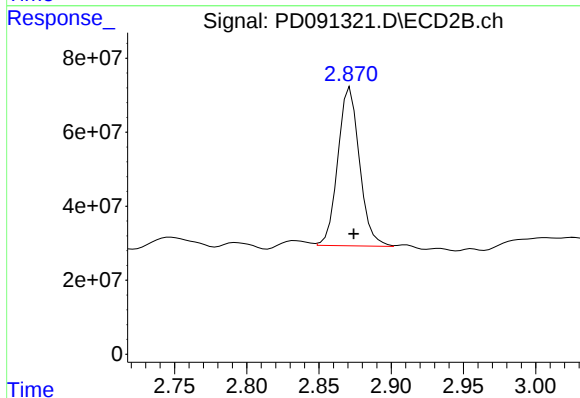
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 34895424
Conc: 10.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

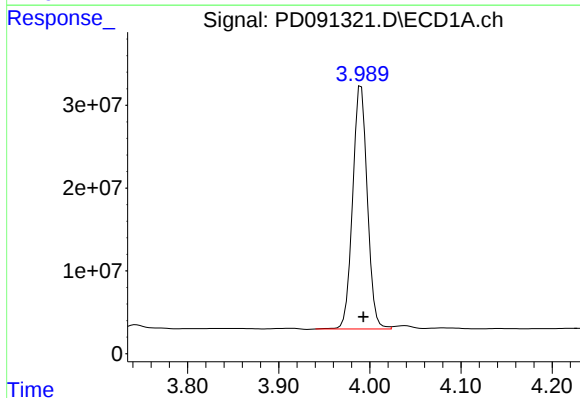
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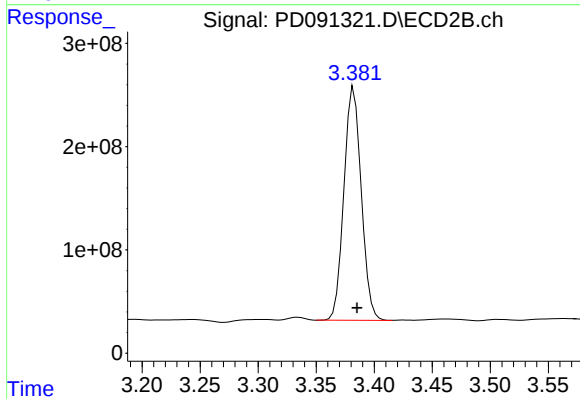
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: -0.004 min
Response: 445509489
Conc: 12.16 ng/ml m



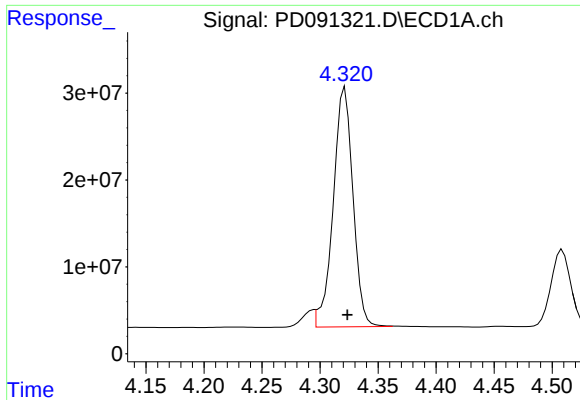
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.003 min
Response: 328535135
Conc: 41.09 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.003 min
Response: 2349997063
Conc: 37.18 ng/ml



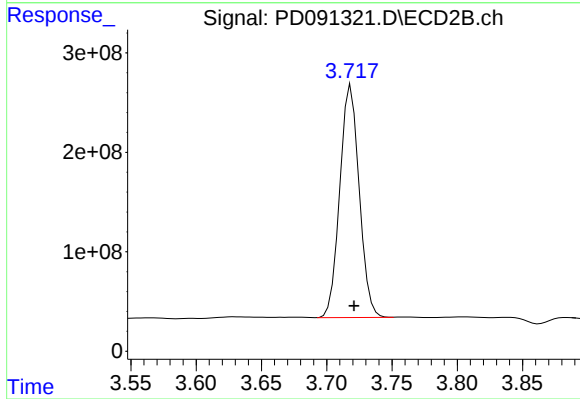
#3 gamma-BHC (Lindane)

R.T.: 4.320 min
Delta R.T.: -0.004 min
Response: 325301155
Conc: 43.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

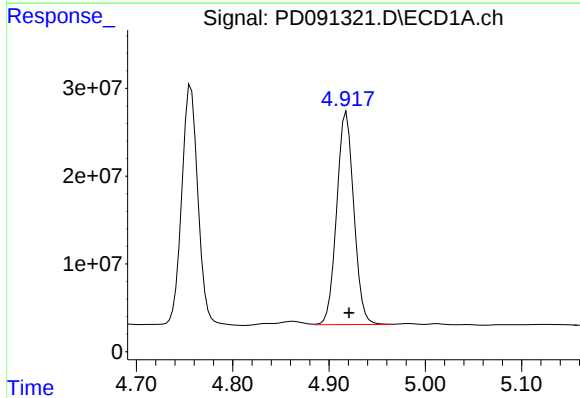
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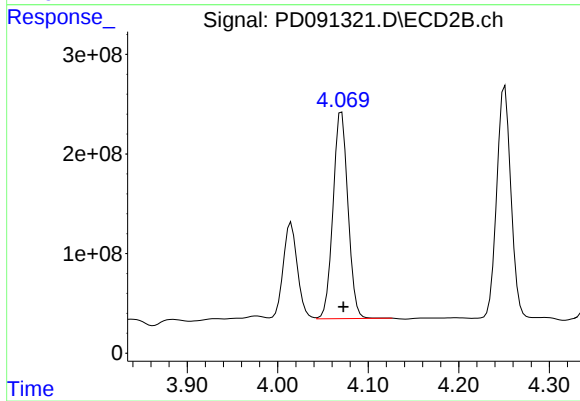
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 2418716460
Conc: 41.83 ng/ml



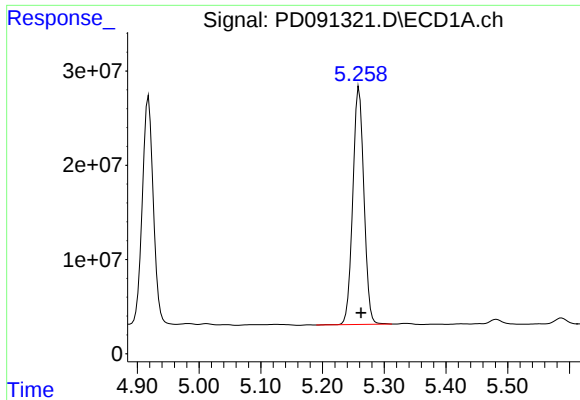
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: -0.003 min
Response: 299319972
Conc: 41.79 ng/ml



#4 Heptachlor

R.T.: 4.071 min
Delta R.T.: -0.002 min
Response: 2379542787
Conc: 43.10 ng/ml



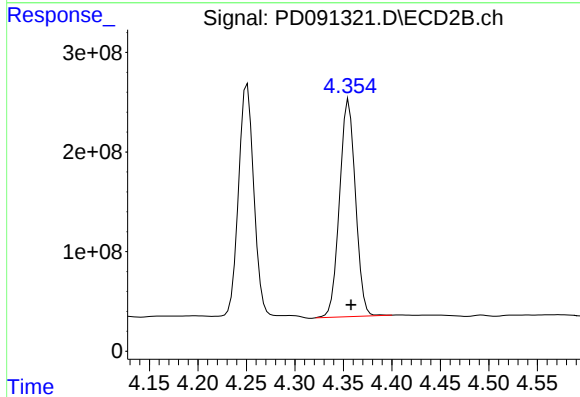
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: -0.003 min
Response: 315423816
Conc: 43.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

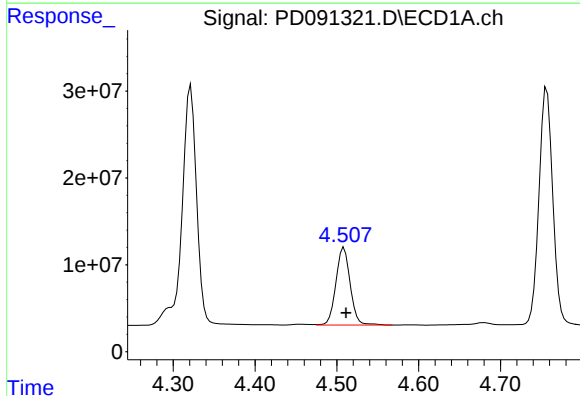
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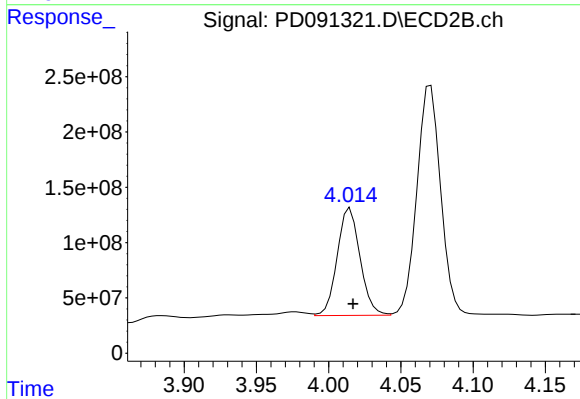
#5 Aldrin

R.T.: 4.356 min
Delta R.T.: -0.002 min
Response: 2487578264
Conc: 44.06 ng/ml



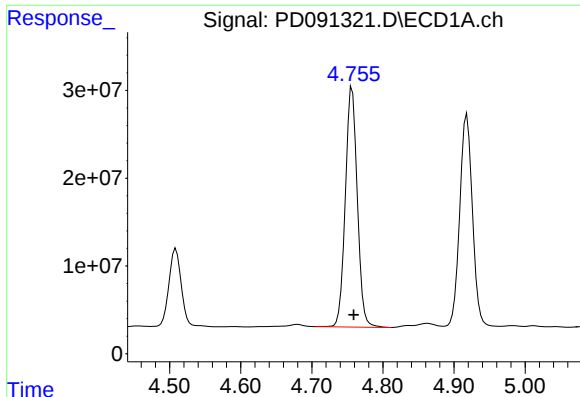
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 108718732
Conc: 37.42 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 1066361931
Conc: 44.38 ng/ml



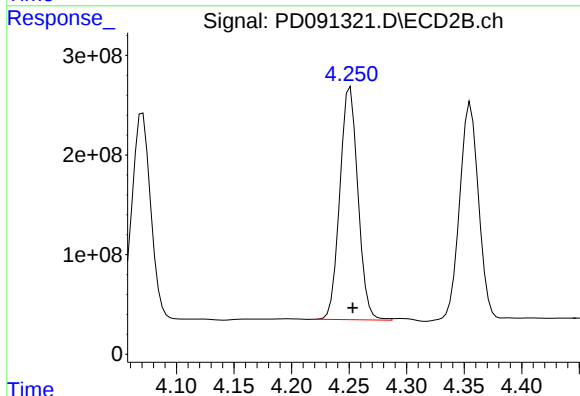
#7 delta-BHC

R.T.: 4.757 min
Delta R.T.: -0.003 min
Response: 319758772
Conc: 43.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

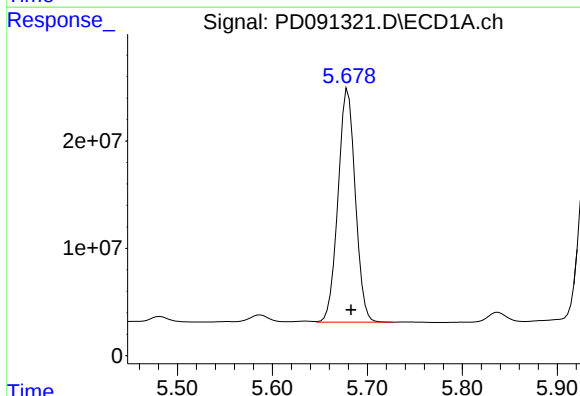
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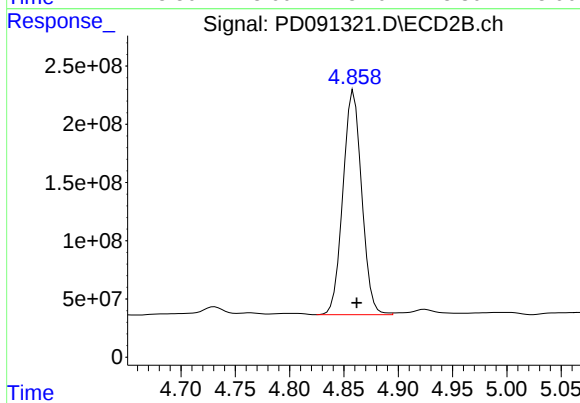
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.002 min
Response: 2559088638
Conc: 43.76 ng/ml



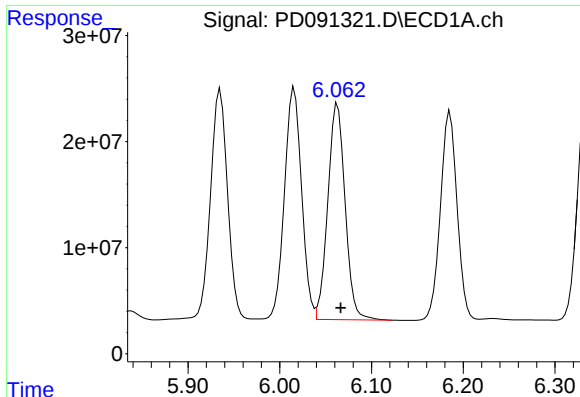
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 274899729
Conc: 42.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: -0.003 min
Response: 2318268038
Conc: 45.49 ng/ml



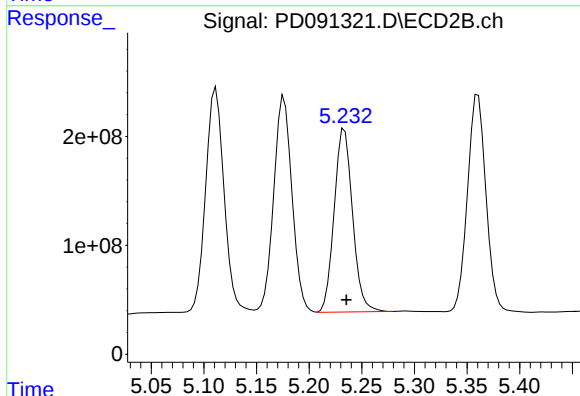
#9 Endosulfan I

R.T.: 6.063 min
Delta R.T.: -0.003 min
Response: 267339238
Conc: 43.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

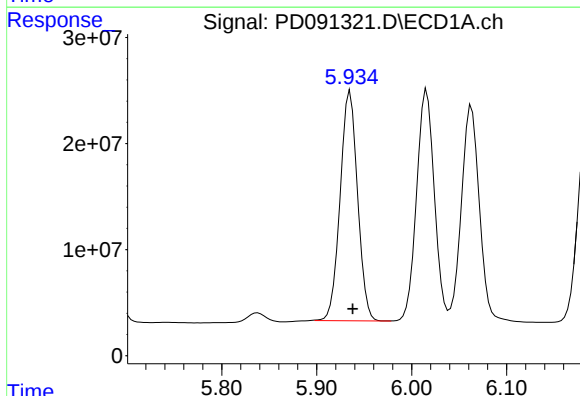
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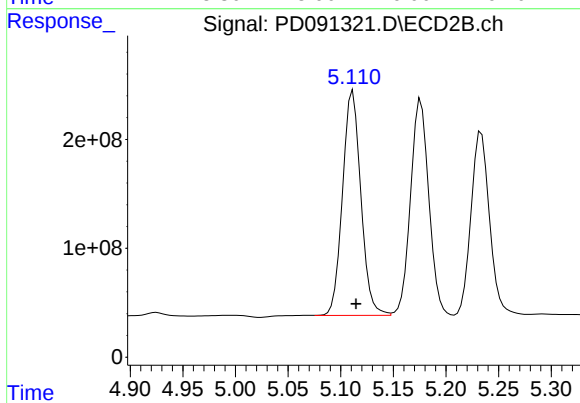
#9 Endosulfan I

R.T.: 5.234 min
Delta R.T.: -0.002 min
Response: 2044602072
Conc: 42.73 ng/ml



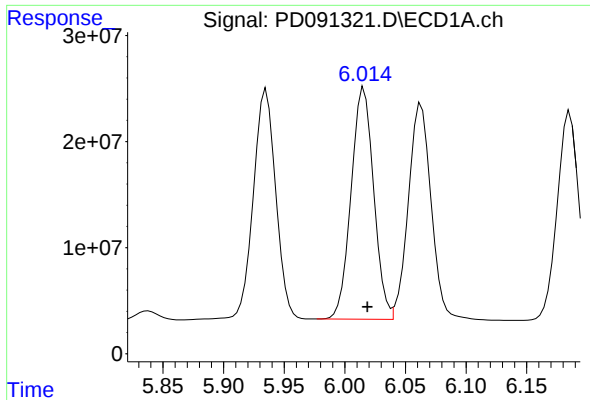
#10 gamma-Chlordane

R.T.: 5.934 min
Delta R.T.: -0.004 min
Response: 276950483
Conc: 42.60 ng/ml m



#10 gamma-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.004 min
Response: 2519520153
Conc: 46.12 ng/ml m



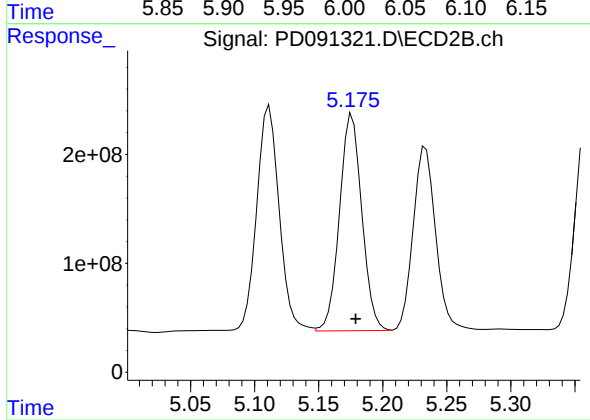
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.003 min
Response: 283452168
Conc: 41.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

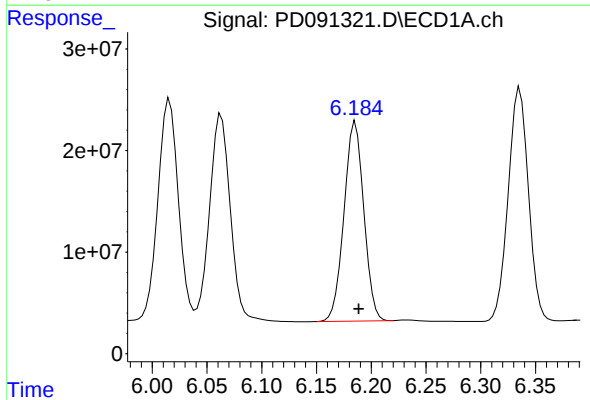
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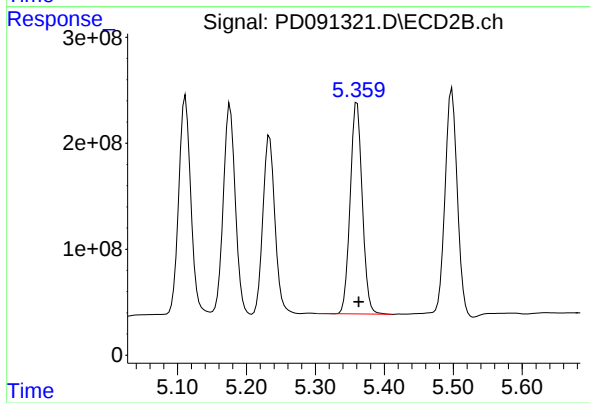
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: -0.003 min
Response: 2409976318
Conc: 46.05 ng/ml



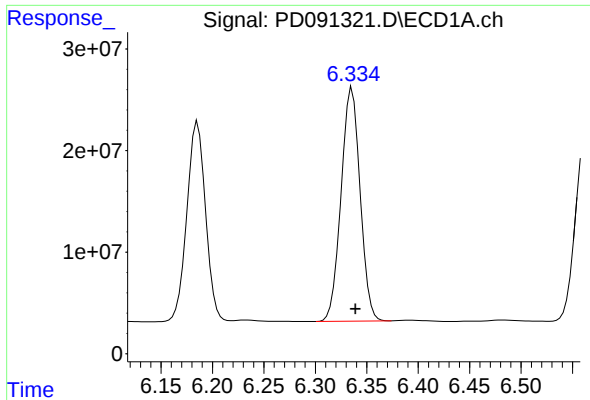
#12 4,4'-DDE

R.T.: 6.186 min
Delta R.T.: -0.003 min
Response: 247032194
Conc: 42.60 ng/ml



#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: -0.002 min
Response: 2430870870
Conc: 45.49 ng/ml



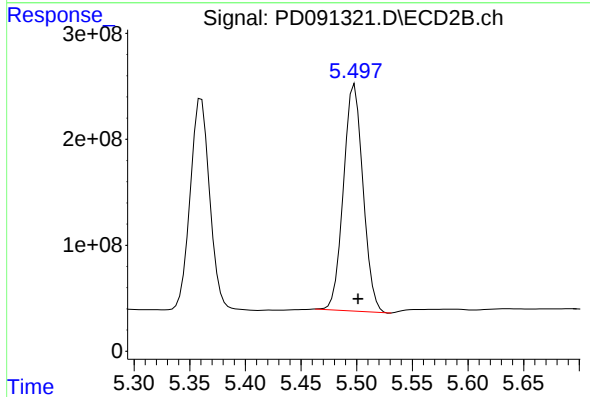
#13 Dieldrin

R.T.: 6.336 min
Delta R.T.: -0.003 min
Response: 295934535
Conc: 45.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

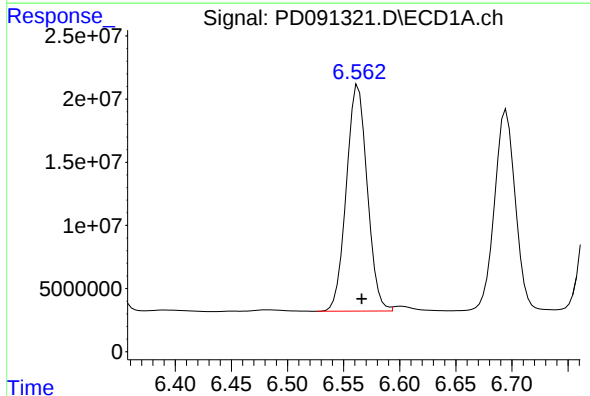
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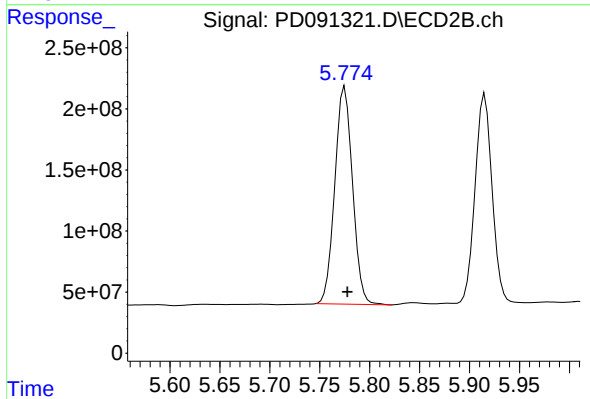
#13 Dieldrin

R.T.: 5.498 min
Delta R.T.: -0.003 min
Response: 2617827584
Conc: 48.20 ng/ml



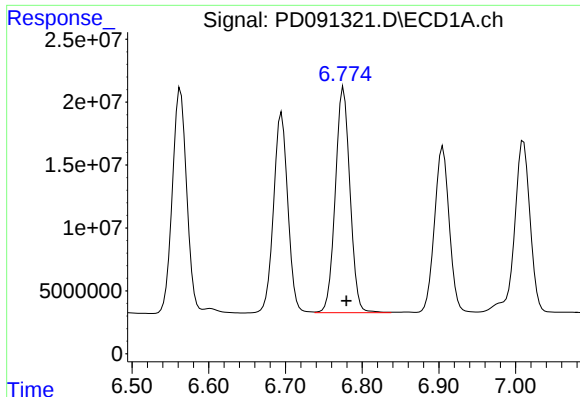
#14 Endrin

R.T.: 6.563 min
Delta R.T.: -0.003 min
Response: 231960196
Conc: 46.73 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.002 min
Response: 2203530871
Conc: 48.76 ng/ml



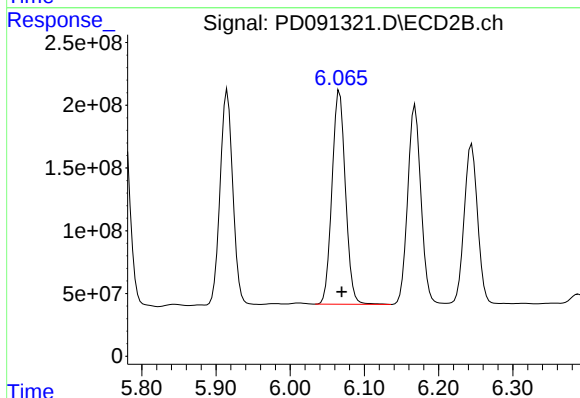
#15 Endosulfan II

R.T.: 6.776 min
Delta R.T.: -0.004 min
Response: 238064387
Conc: 42.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

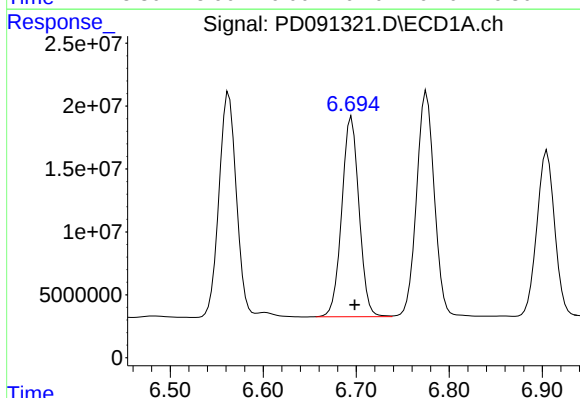
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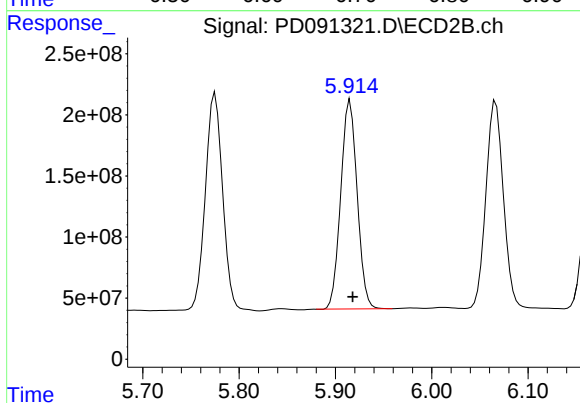
#15 Endosulfan II

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 2146256168
Conc: 45.98 ng/ml



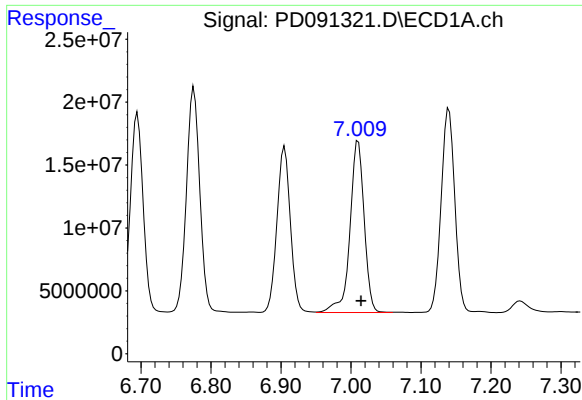
#16 4,4'-DDD

R.T.: 6.695 min
Delta R.T.: -0.003 min
Response: 204829882
Conc: 41.70 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.002 min
Response: 2021740311
Conc: 41.37 ng/ml



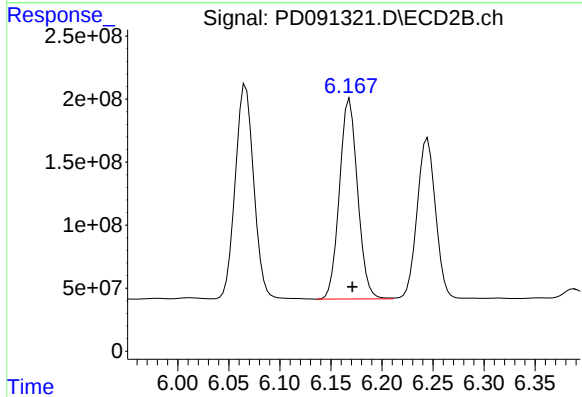
#17 4,4'-DDT

R.T.: 7.010 min
Delta R.T.: -0.004 min
Response: 193296548
Conc: 46.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

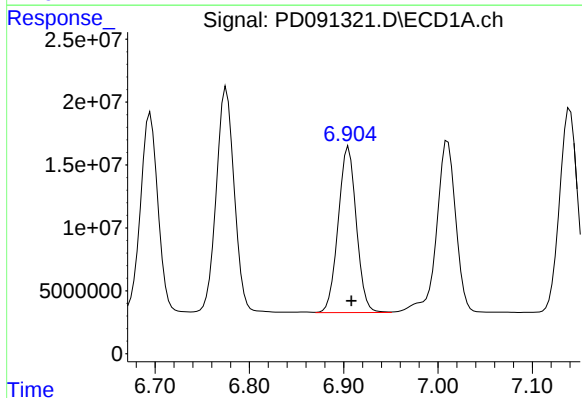
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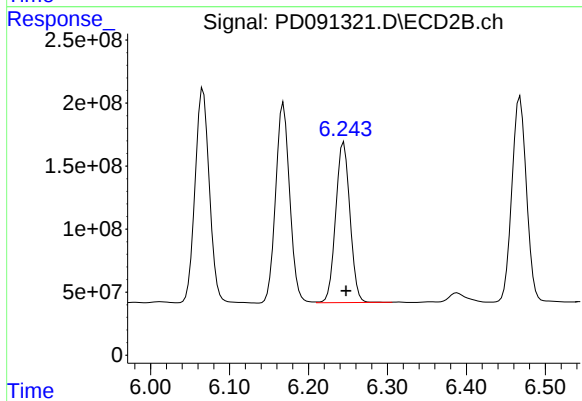
#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: -0.003 min
Response: 1968362106
Conc: 50.30 ng/ml



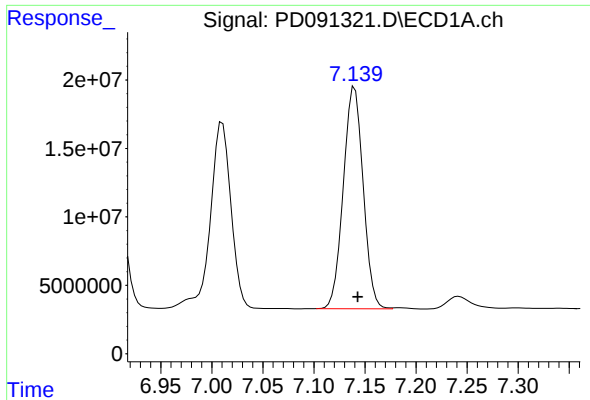
#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: -0.003 min
Response: 176334228
Conc: 42.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.003 min
Response: 1598062914
Conc: 45.28 ng/ml



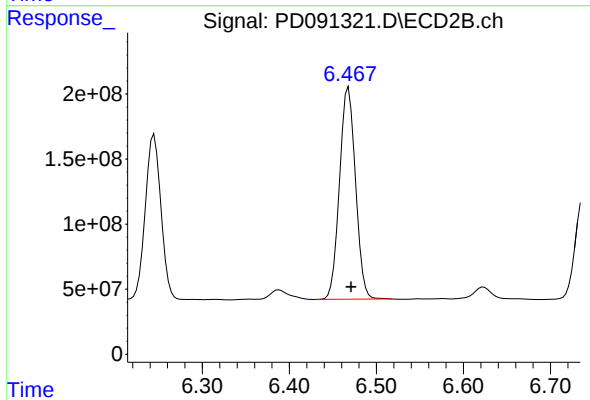
#19 Endosulfan Sulfate

R.T.: 7.140 min
Delta R.T.: -0.003 min
Response: 219220334
Conc: 42.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

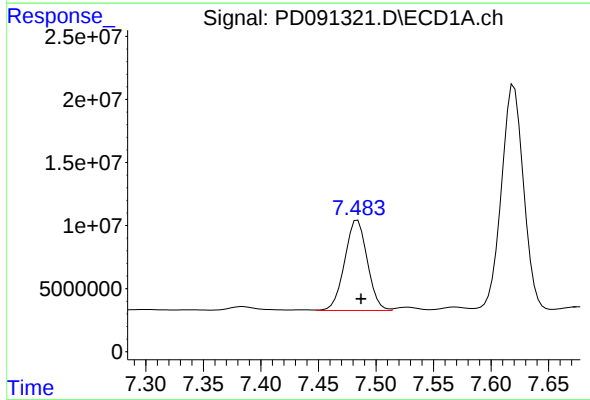
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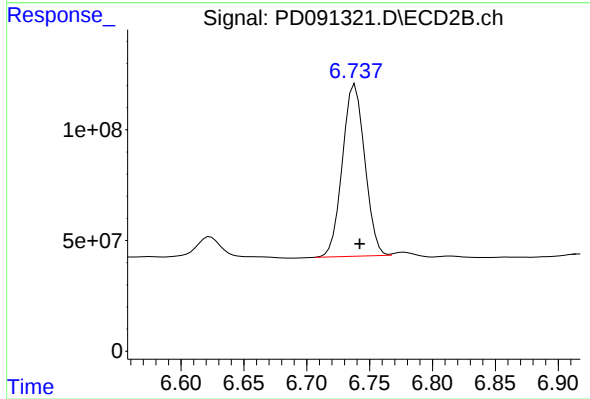
#19 Endosulfan Sulfate

R.T.: 6.468 min
Delta R.T.: -0.003 min
Response: 2083172554
Conc: 46.46 ng/ml



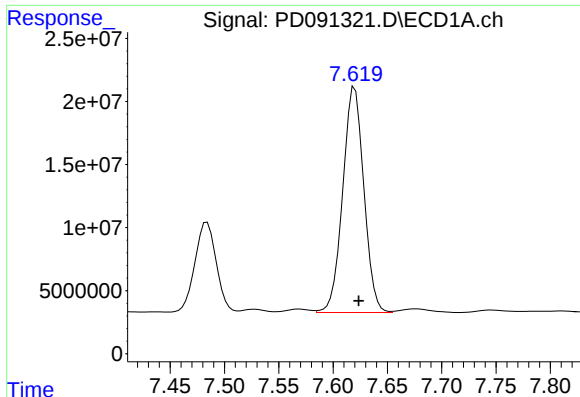
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.003 min
Response: 98372303
Conc: 45.24 ng/ml



#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: -0.004 min
Response: 962479083
Conc: 48.00 ng/ml



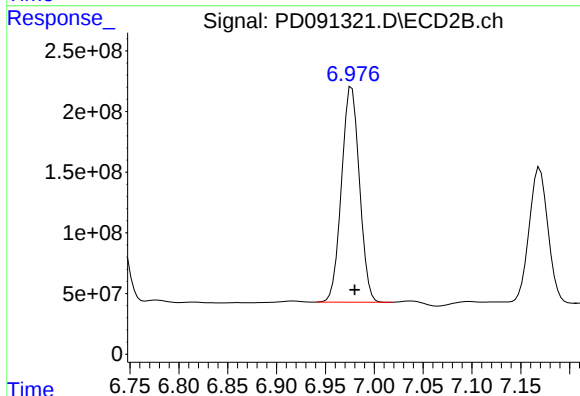
#21 Endrin ketone

R.T.: 7.620 min
Delta R.T.: -0.004 min
Response: 242015161
Conc: 42.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

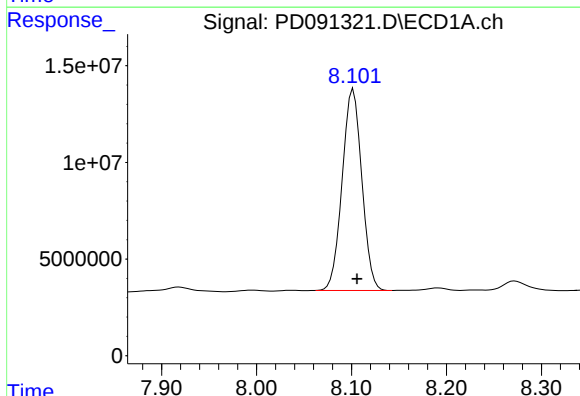
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



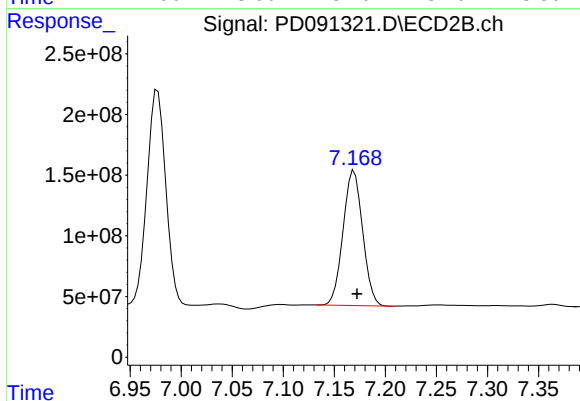
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 2268383455
Conc: 44.52 ng/ml



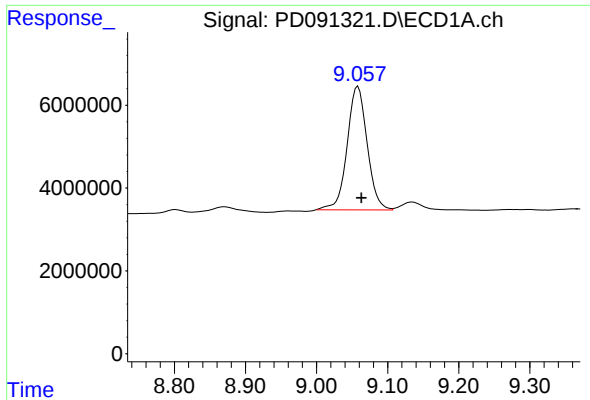
#22 Mirex

R.T.: 8.102 min
Delta R.T.: -0.004 min
Response: 149803468
Conc: 42.11 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.003 min
Response: 1483886120
Conc: 44.78 ng/ml



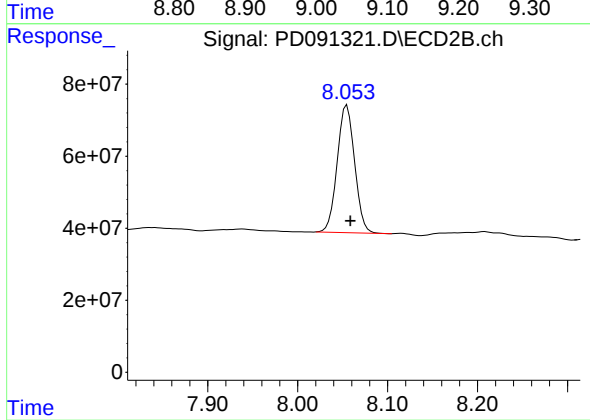
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.005 min
Response: 58432131
Conc: 11.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#28 Decachlorobiphenyl

R.T.: 8.055 min
Delta R.T.: -0.004 min
Response: 476942196
Conc: 12.05 ng/ml