

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
 Data File : PD091322.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Nov 2025 19:09
 Operator : AR\AJ
 Sample : Q3681-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ETGI-354MSD

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 22:50:04 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	2.871	38009718	469.0E6	11.022m	12.804m
28)	SA Decachlor...	9.059	8.056	62889583	506.9E6	12.624	12.808
Target Compounds							
2)	A alpha-BHC	3.991	3.383	358.6E6	2504.3E6	44.851	39.623
3)	MA gamma-BHC...	4.320	3.719	346.0E6	2590.6E6	46.298m	44.803
4)	MA Heptachlor	4.918	4.071	327.2E6	2580.8E6	45.689	46.745
5)	MB Aldrin	5.259	4.356	340.8E6	2659.5E6	46.962	47.106
6)	B beta-BHC	4.509	4.016	118.1E6	1183.8E6	40.632	49.271
7)	B delta-BHC	4.756	4.251	348.9E6	2748.1E6	46.943m	46.995
8)	B Heptachlo...	5.680	4.860	299.3E6	2480.5E6	46.075	48.677
9)	A Endosulfan I	6.063	5.234	289.3E6	2182.4E6	47.101	45.608
10)	B gamma-Chl...	5.934	5.112	302.8E6	2793.0E6	46.585m	51.127
11)	B alpha-Chl...	6.016	5.176	307.9E6	2588.1E6	44.740	49.456
12)	B 4,4'-DDE	6.186	5.361	268.2E6	2600.3E6	46.242	48.656
13)	MA Dieldrin	6.336	5.499	321.2E6	2802.3E6	49.677	51.597
14)	MA Endrin	6.564	5.776	252.9E6	2378.9E6	50.956	52.640
15)	B Endosulfa...	6.776	6.067	253.3E6	2309.8E6	45.560	49.482
16)	A 4,4'-DDD	6.696	5.916	222.0E6	2153.8E6	45.197	44.074
17)	MA 4,4'-DDT	7.011	6.169	208.7E6	2130.5E6	50.477	54.444
18)	B Endrin al...	6.905	6.246	188.4E6	1704.2E6	45.226	48.293
19)	B Endosulfa...	7.140	6.469	237.0E6	2213.9E6	46.059	49.378
20)	A Methoxychlor	7.484	6.739	107.4E6	1028.1E6	49.375	51.276
21)	B Endrin ke...	7.621	6.977	260.6E6	2411.6E6	46.252	47.327
22)	Mirex	8.101	7.170	163.1E6	1578.4E6	45.850m	47.629

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
Data File : PD091322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Nov 2025 19:09
Operator : AR\AJ
Sample : Q3681-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ETGI-354MSD

Manual Integrations

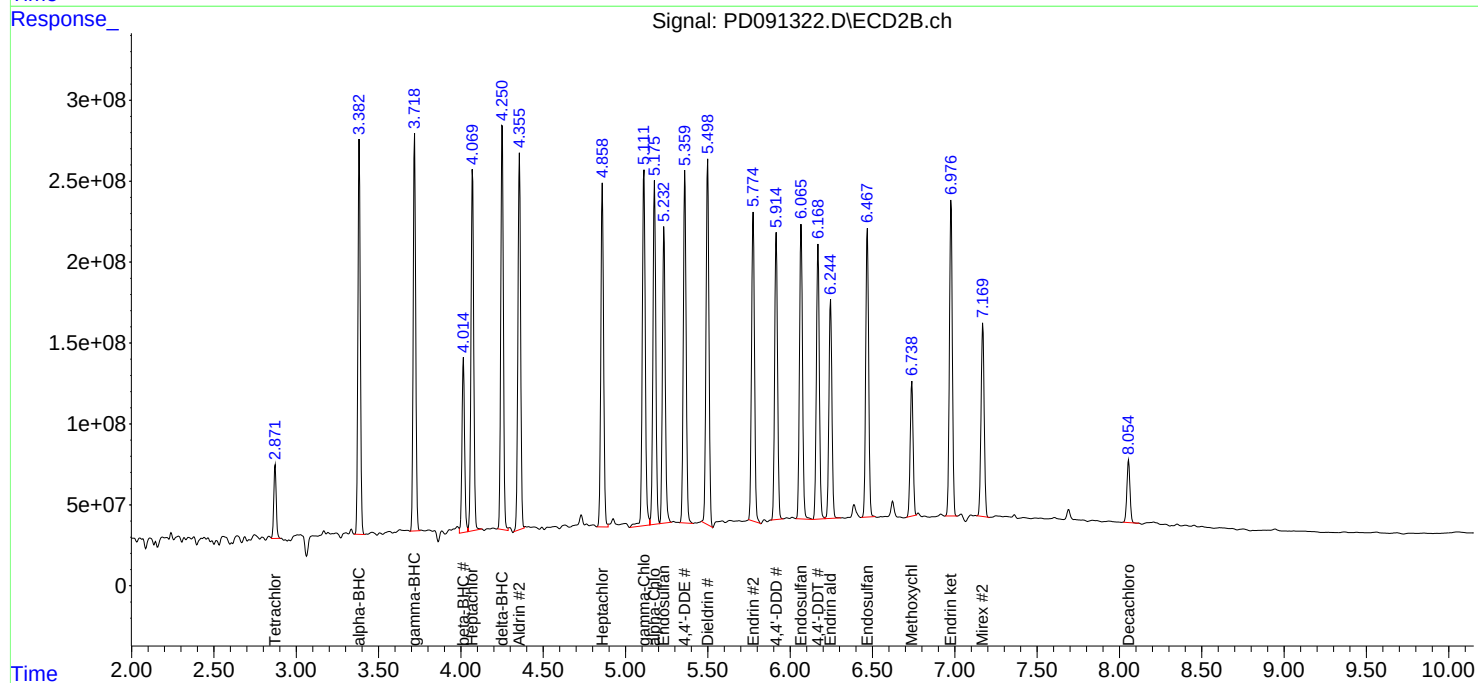
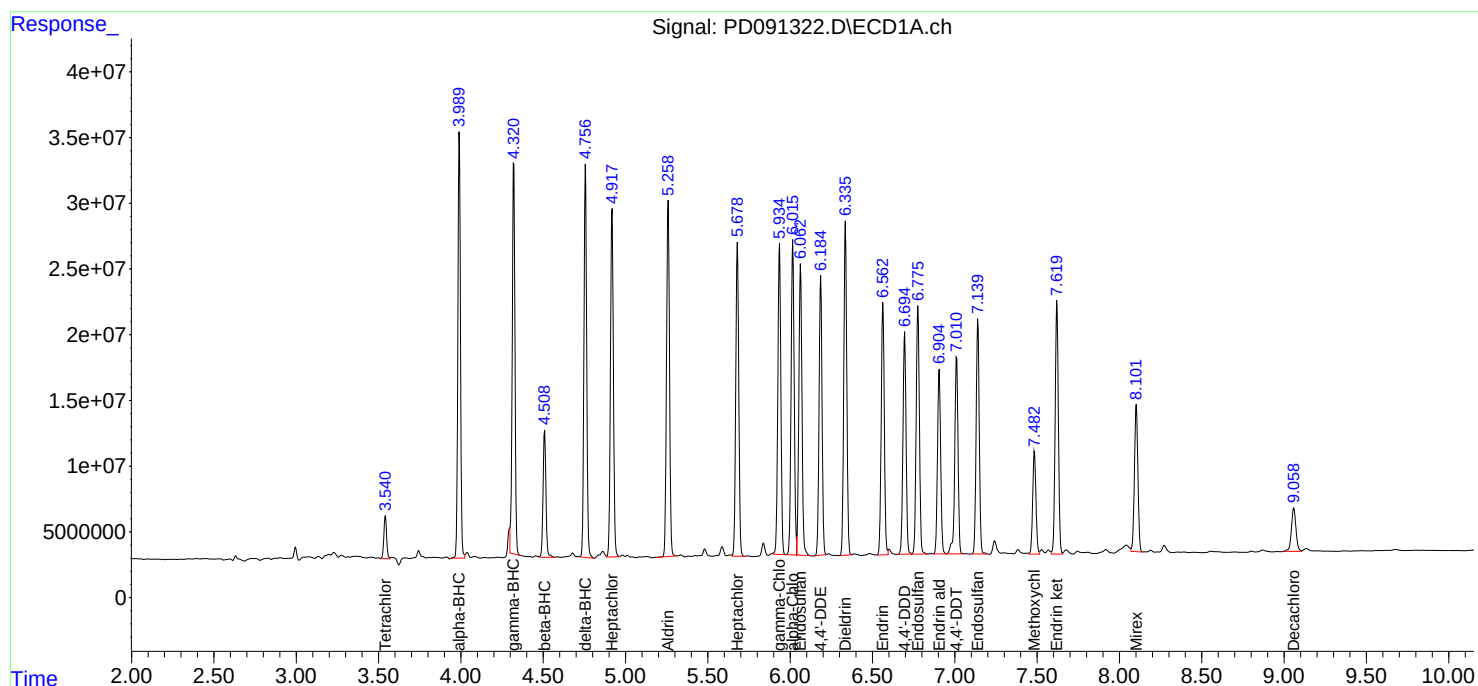
APPROVED

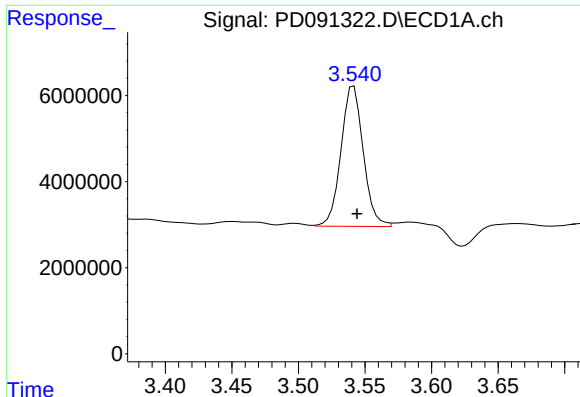
Reviewed By :Abdul Mirza 11/21/2025

Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 22:50:04 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





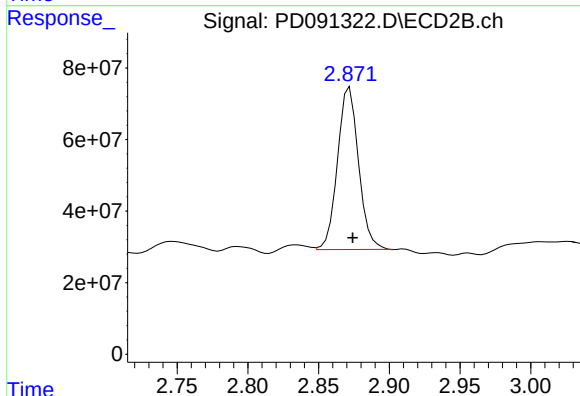
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 38009718
Conc: 11.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

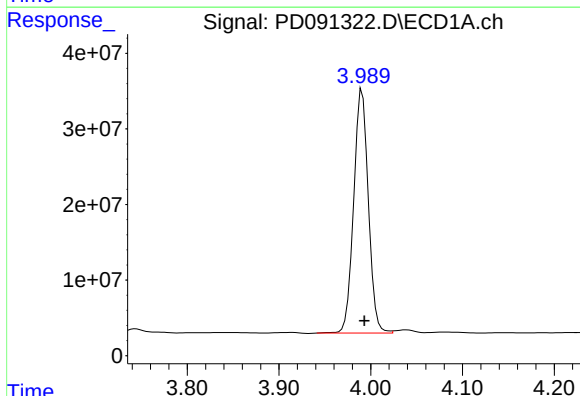
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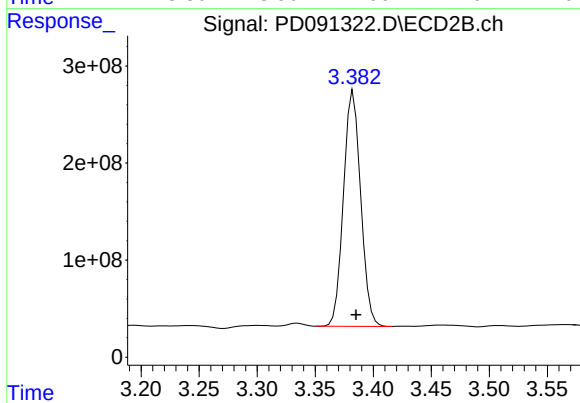
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: -0.003 min
Response: 469005669
Conc: 12.80 ng/ml m



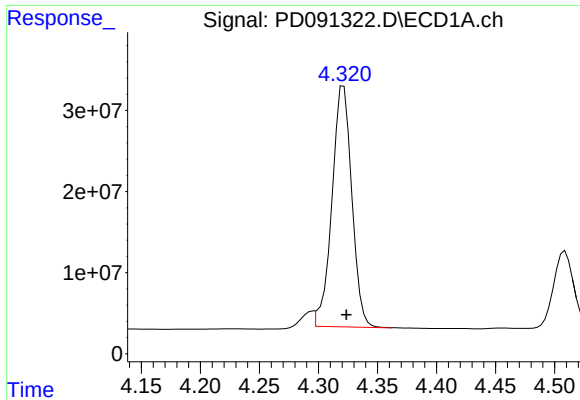
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 358608396
Conc: 44.85 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.002 min
Response: 2504291755
Conc: 39.62 ng/ml



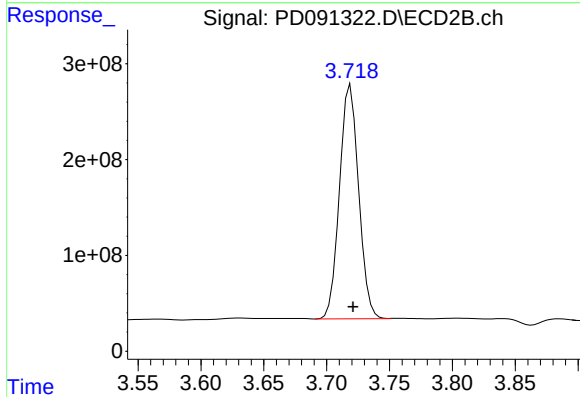
#3 gamma-BHC (Lindane)

R.T.: 4.320 min
Delta R.T.: -0.004 min
Response: 345976838
Conc: 46.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

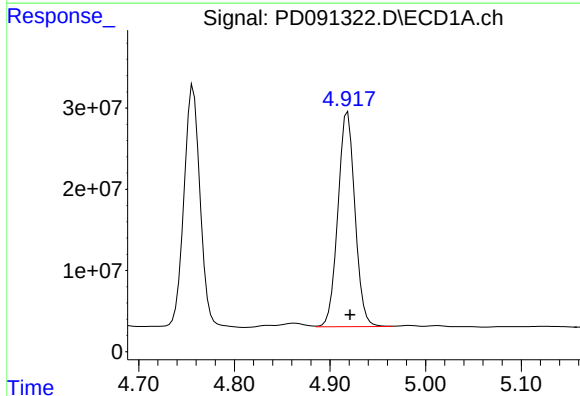
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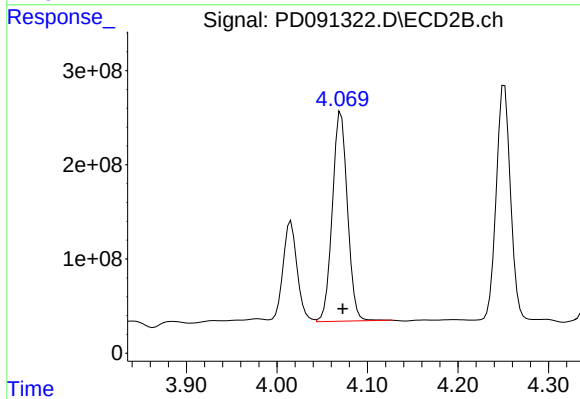
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 2590565025
Conc: 44.80 ng/ml



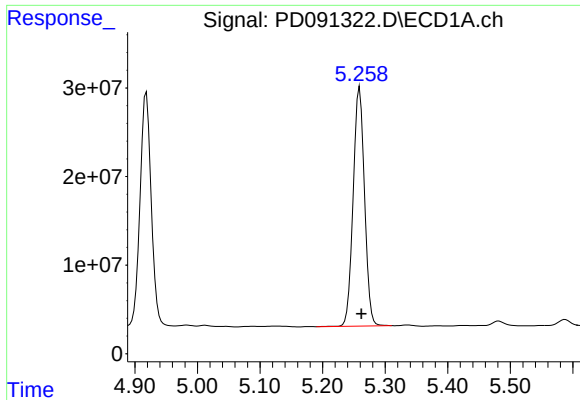
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: -0.002 min
Response: 327215028
Conc: 45.69 ng/ml



#4 Heptachlor

R.T.: 4.071 min
Delta R.T.: -0.002 min
Response: 2580765085
Conc: 46.74 ng/ml



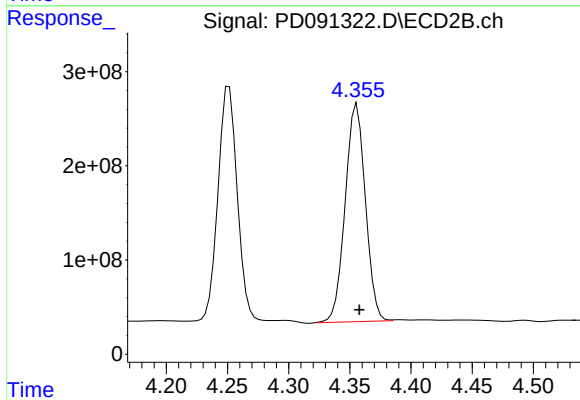
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: -0.003 min
Response: 340777327
Conc: 46.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

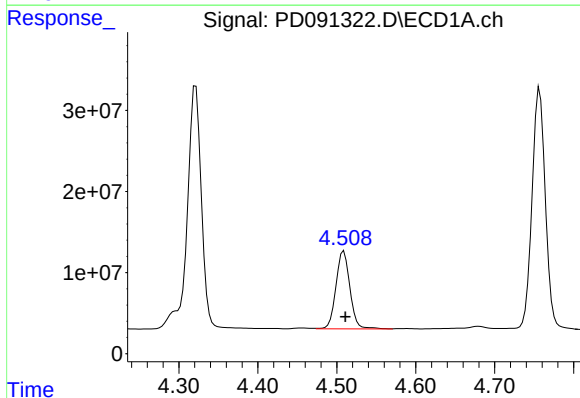
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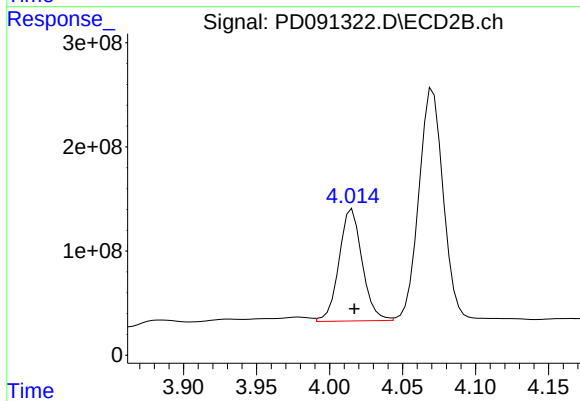
#5 Aldrin

R.T.: 4.356 min
Delta R.T.: -0.002 min
Response: 2659510517
Conc: 47.11 ng/ml



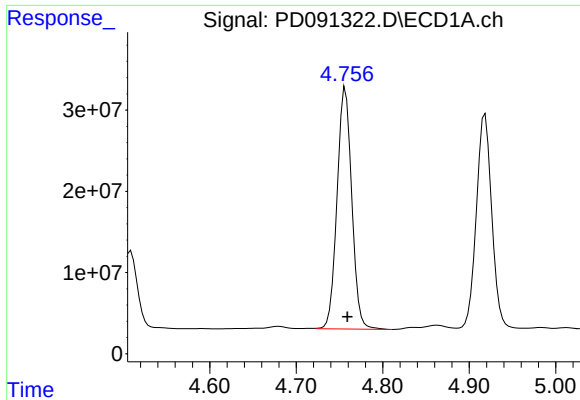
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 118054907
Conc: 40.63 ng/ml



#6 beta-BHC

R.T.: 4.016 min
Delta R.T.: -0.001 min
Response: 1183826437
Conc: 49.27 ng/ml



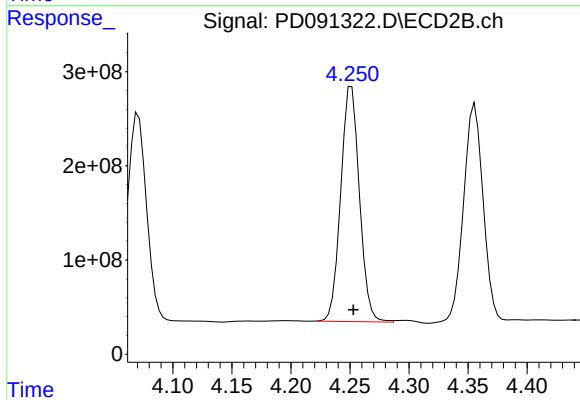
#7 delta-BHC

R.T.: 4.756 min
Delta R.T.: -0.004 min
Response: 348882826
Conc: 46.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

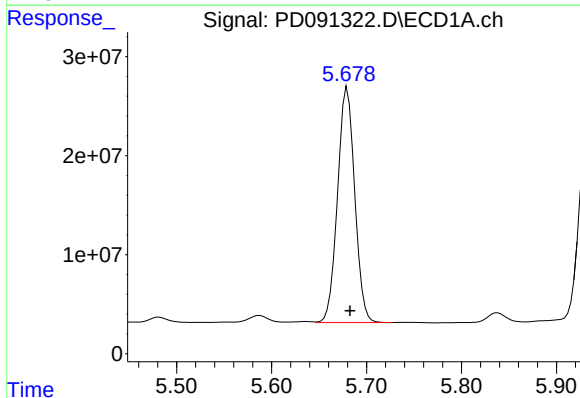
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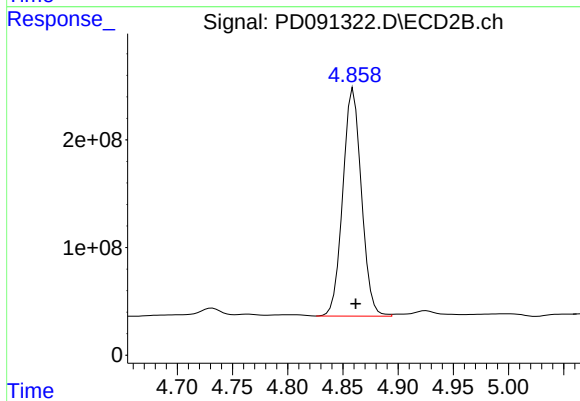
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.002 min
Response: 2748149336
Conc: 47.00 ng/ml



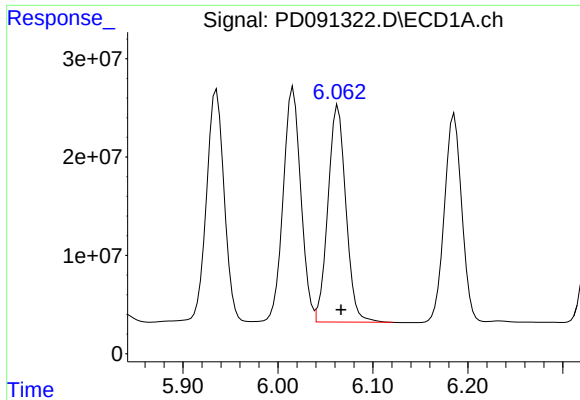
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 299337022
Conc: 46.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.860 min
Delta R.T.: -0.002 min
Response: 2480526371
Conc: 48.68 ng/ml



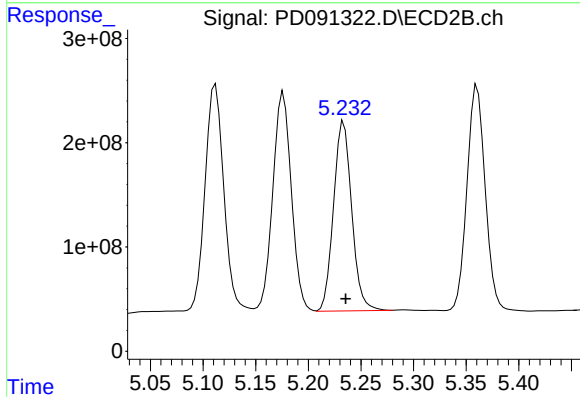
#9 Endosulfan I

R.T.: 6.063 min
Delta R.T.: -0.003 min
Response: 289341133
Conc: 47.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

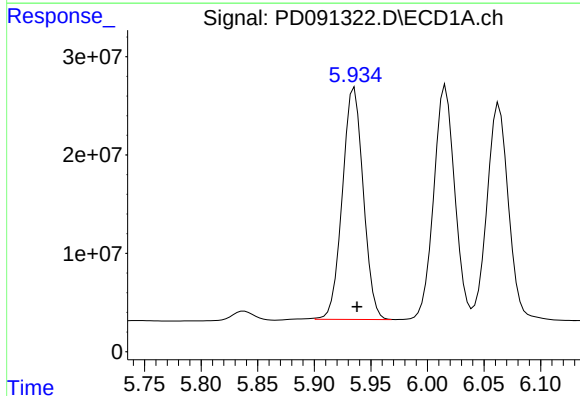
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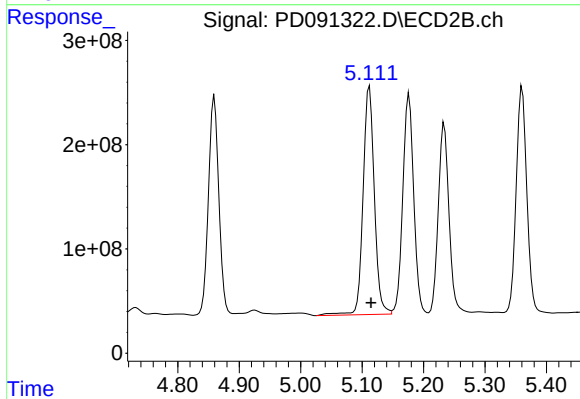
#9 Endosulfan I

R.T.: 5.234 min
Delta R.T.: -0.002 min
Response: 2182409640
Conc: 45.61 ng/ml



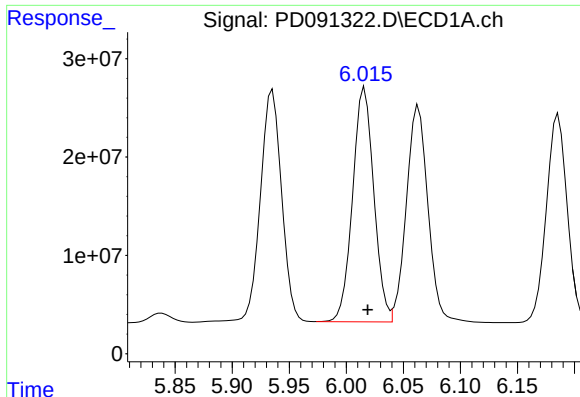
#10 gamma-Chlordane

R.T.: 5.934 min
Delta R.T.: -0.004 min
Response: 302840555
Conc: 46.59 ng/ml m



#10 gamma-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.002 min
Response: 2792954667
Conc: 51.13 ng/ml



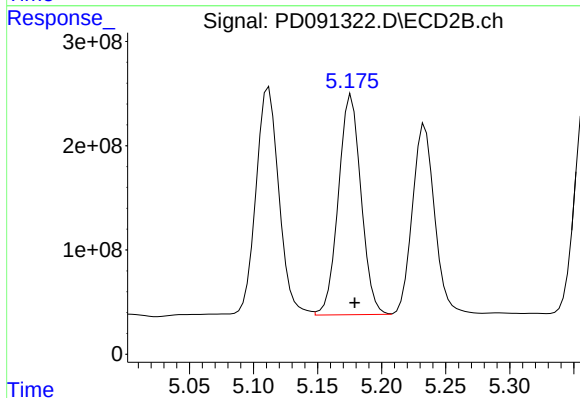
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.003 min
Response: 307938419
Conc: 44.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

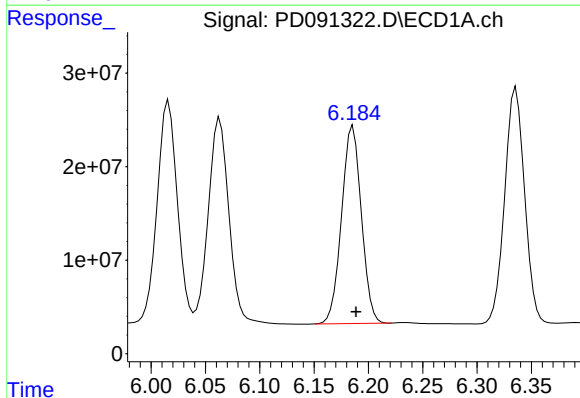
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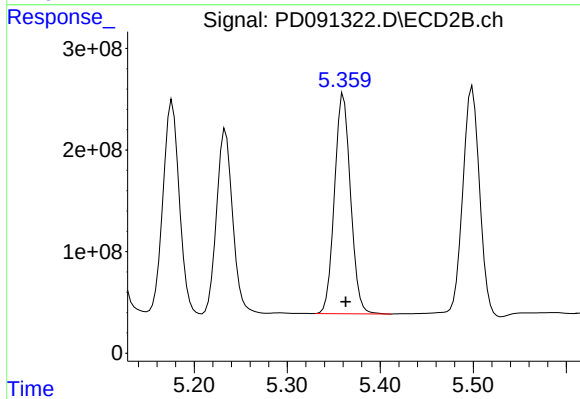
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: -0.003 min
Response: 2588111623
Conc: 49.46 ng/ml



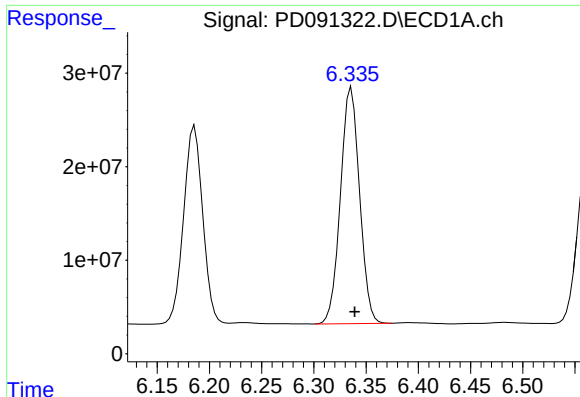
#12 4,4'-DDE

R.T.: 6.186 min
Delta R.T.: -0.003 min
Response: 268175625
Conc: 46.24 ng/ml



#12 4,4'-DDE

R.T.: 5.361 min
Delta R.T.: -0.002 min
Response: 2600298364
Conc: 48.66 ng/ml



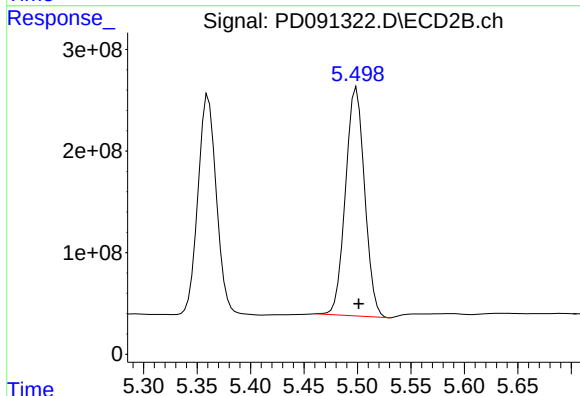
#13 Dieldrin

R.T.: 6.336 min
Delta R.T.: -0.003 min
Response: 321154878
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

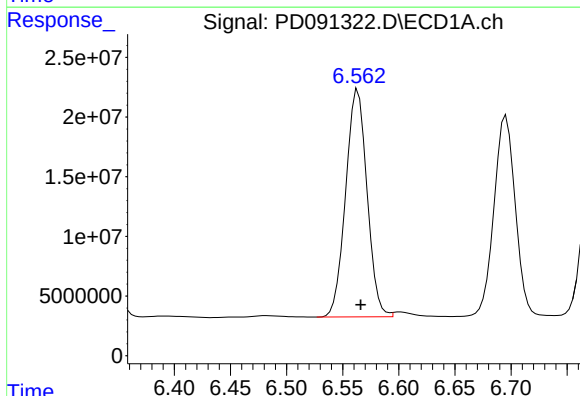
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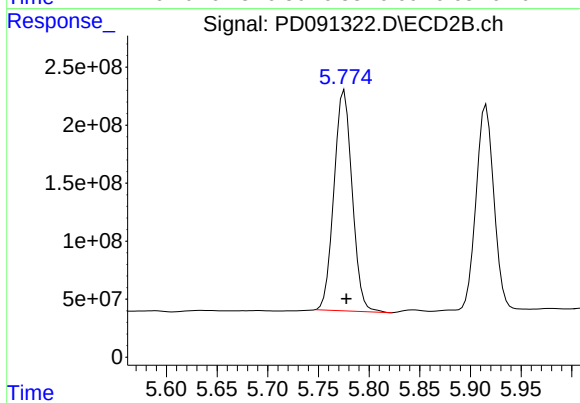
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.002 min
Response: 2802277310
Conc: 51.60 ng/ml



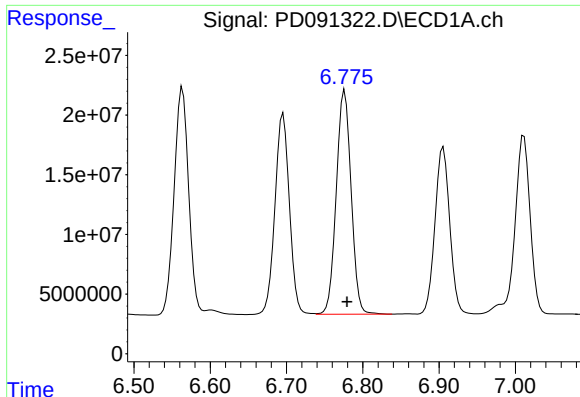
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.003 min
Response: 252918966
Conc: 50.96 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: -0.002 min
Response: 2378933210
Conc: 52.64 ng/ml



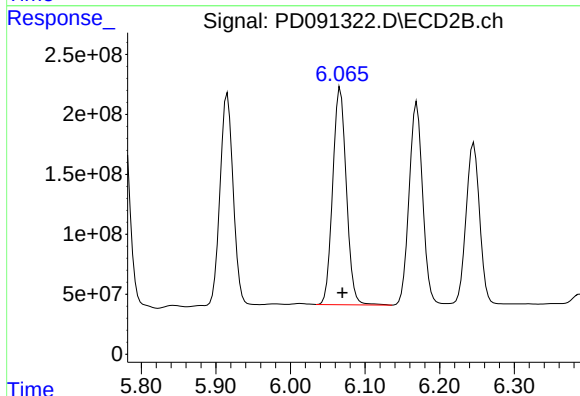
#15 Endosulfan II

R.T.: 6.776 min
Delta R.T.: -0.003 min
Response: 253281840
Conc: 45.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

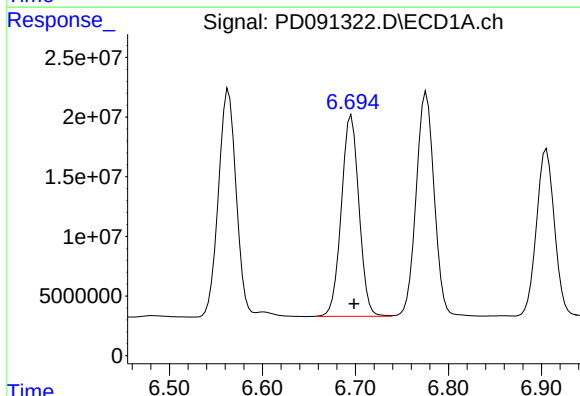
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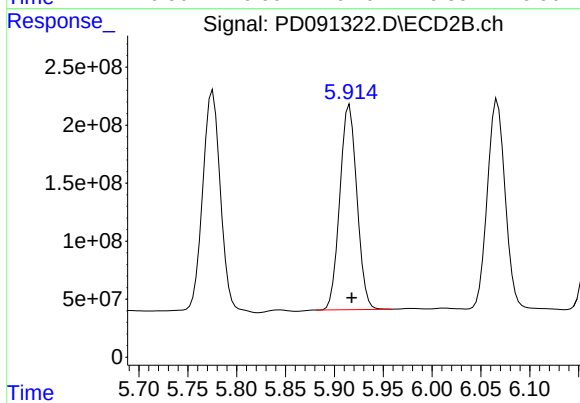
#15 Endosulfan II

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 2309804459
Conc: 49.48 ng/ml



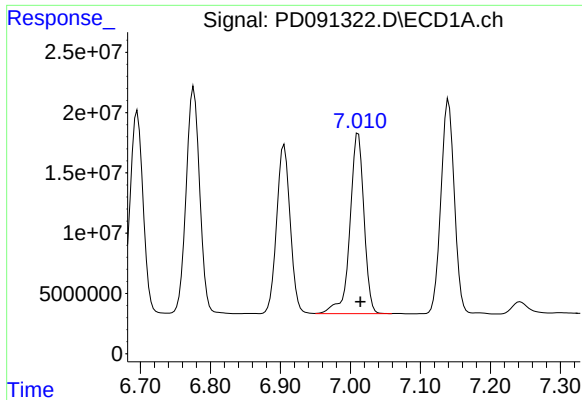
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.003 min
Response: 221984543
Conc: 45.20 ng/ml



#16 4,4'-DDD

R.T.: 5.916 min
Delta R.T.: -0.002 min
Response: 2153833436
Conc: 44.07 ng/ml



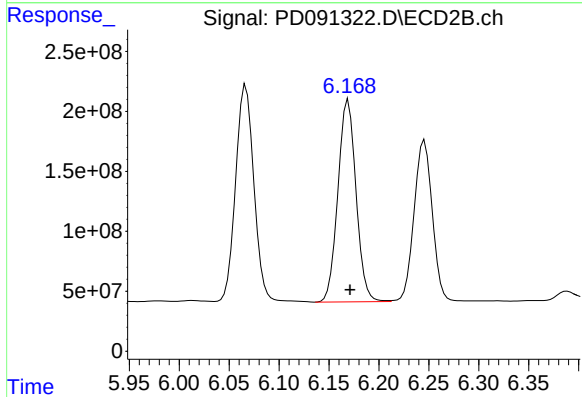
#17 4,4'-DDT

R.T.: 7.011 min
Delta R.T.: -0.003 min
Response: 208747456
Conc: 50.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

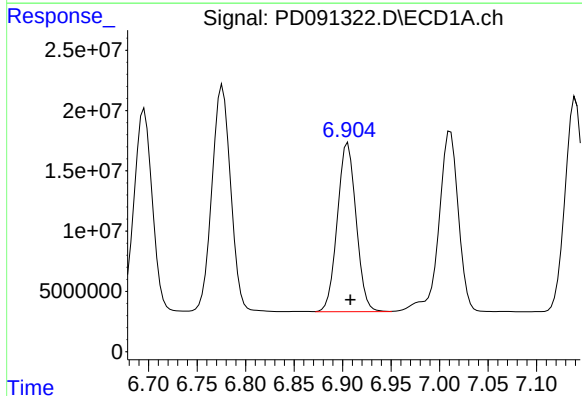
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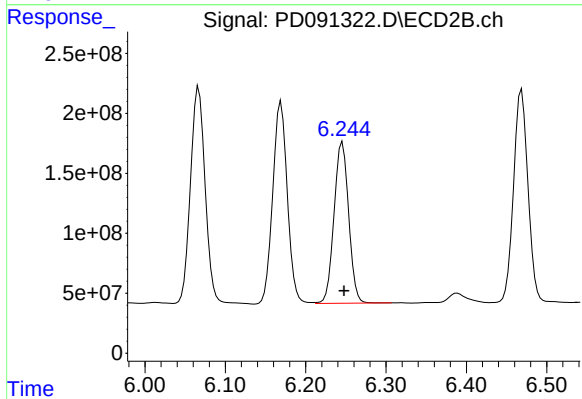
#17 4,4'-DDT

R.T.: 6.169 min
Delta R.T.: -0.002 min
Response: 2130513016
Conc: 54.44 ng/ml



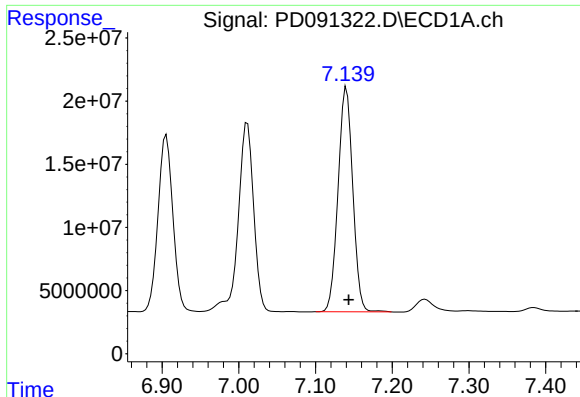
#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: -0.003 min
Response: 188413206
Conc: 45.23 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.002 min
Response: 1704211871
Conc: 48.29 ng/ml



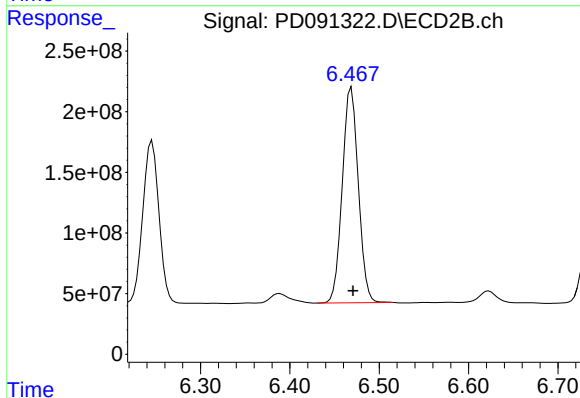
#19 Endosulfan Sulfate

R.T.: 7.140 min
Delta R.T.: -0.003 min
Response: 236962279
Conc: 46.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

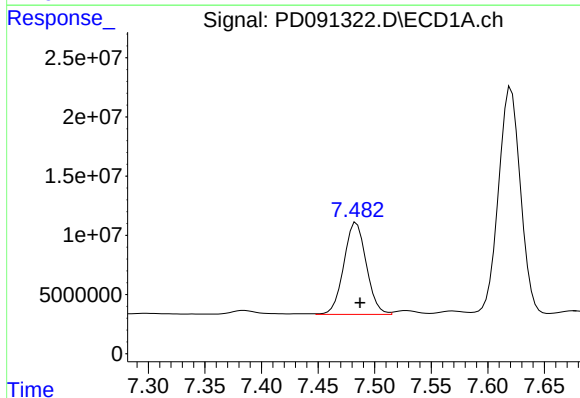
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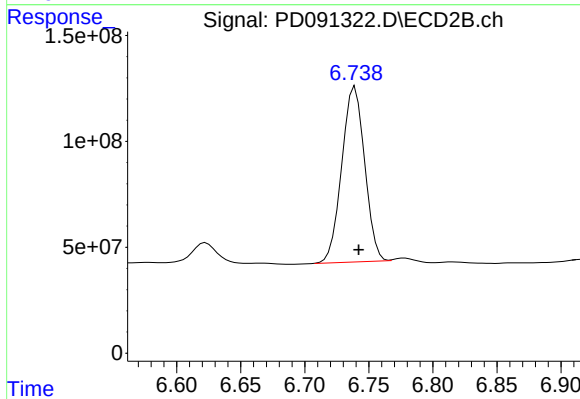
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.002 min
Response: 2213866590
Conc: 49.38 ng/ml



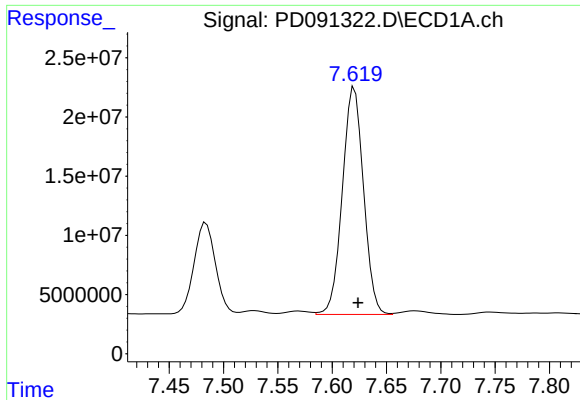
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.003 min
Response: 107357976
Conc: 49.38 ng/ml



#20 Methoxychlor

R.T.: 6.739 min
Delta R.T.: -0.003 min
Response: 1028148330
Conc: 51.28 ng/ml



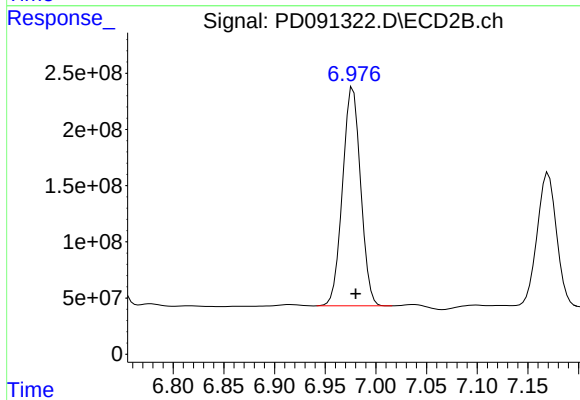
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.003 min
Response: 260565391
Conc: 46.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

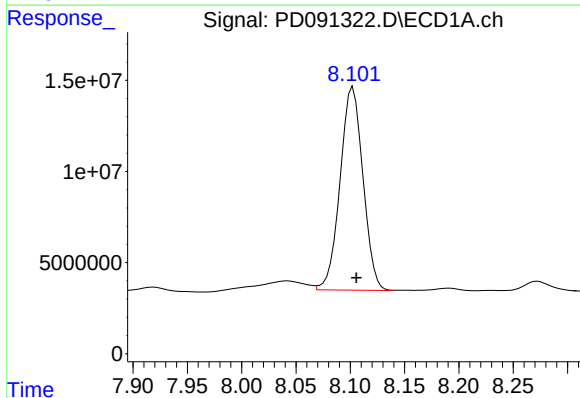
Manual Integrations
APPROVED

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



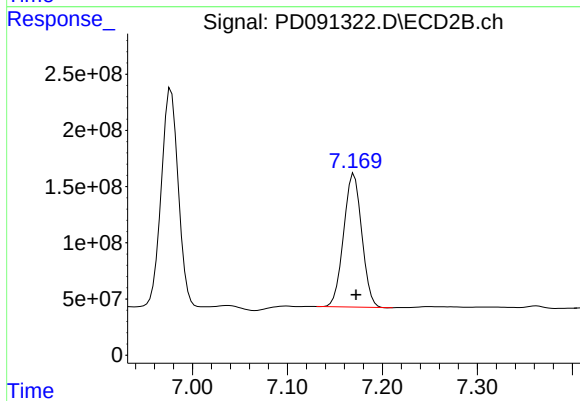
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 2411607607
Conc: 47.33 ng/ml



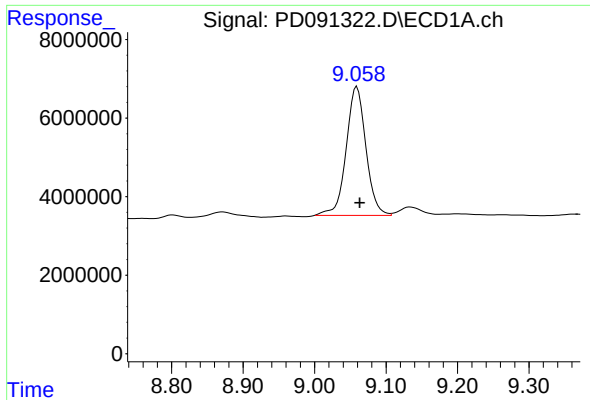
#22 Mirex

R.T.: 8.101 min
Delta R.T.: -0.005 min
Response: 163088833
Conc: 45.85 ng/ml m



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.002 min
Response: 1578420046
Conc: 47.63 ng/ml



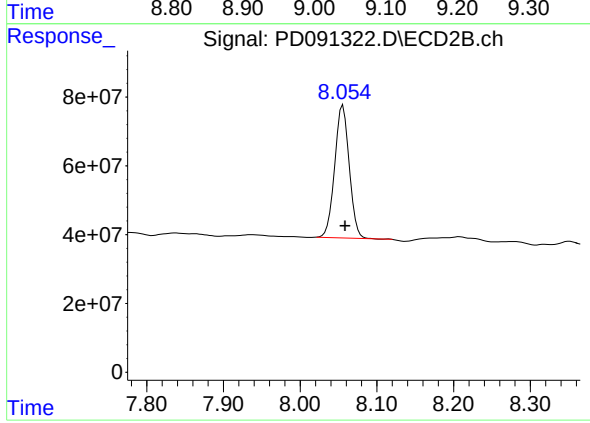
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 62889583
Conc: 12.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-354MSD

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 506872016
Conc: 12.81 ng/ml