

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
 Data File : PD091316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Nov 2025 17:47
 Operator : AR\AJ
 Sample : PB170651BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170651BS

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 22:47:54 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...	3.542	2.872	79622222	911.5E6	23.088	24.885
28)	SA Decachlor...	9.059	8.055	124.9E6	1078.5E6	25.074	27.253
Target Compounds							
2)	A alpha-BHC	3.990	3.382	1964542	23271402	0.246	0.368 #
3)	MA gamma-BHC...	4.321	3.719	2136776	19318885	0.286	0.334
4)	MA Heptachlor	4.918	4.070	2811571	18352478	0.393	0.332
5)	MB Aldrin	5.259	4.356	2169175	21981785	0.299	0.389 #
6)	B beta-BHC	4.508	4.013	943156	15569835	0.325	0.648 #
7)	B delta-BHC	4.768	4.251	16269192	21980959	2.189	0.376 #
8)	B Heptachlo...	5.678	4.859	2257967	25358230	0.348m	0.498 #
9)	A Endosulfan I	6.063	5.233	1989219	18202292	0.324	0.380
10)	B gamma-Chl...	5.935	5.111	2023557	17320243	0.311	0.317m
11)	B alpha-Chl...	6.015	5.177	2551363	20990038	0.371	0.401
12)	B 4,4'-DDE	6.185	5.361	1558247	19404136	0.269	0.363 #
13)	MA Dieldrin	6.335	5.499	1875580	18801463	0.290	0.346
14)	MA Endrin	6.563	5.778	1381039	24055848	0.278	0.532 #
15)	B Endosulfa...	6.772	6.066	3970172	14983196	0.714m	0.321m#
16)	A 4,4'-DDD	6.695	5.917	1360377	17092350	0.277	0.350 #
17)	MA 4,4'-DDT	7.010	6.171	977846	9526520	0.236m	0.243
18)	B Endrin al...	6.905	6.245	1725456	15655813	0.414	0.444
19)	B Endosulfa...	7.139	6.467	1748145	16010131	0.340	0.357
20)	A Methoxychlor	7.484	6.738	666061	6699579	0.306	0.334
21)	B Endrin ke...	7.619	6.978	1774451	18521114	0.315m	0.363
22)	Mirex	8.103	7.169	1111542	12336641	0.312	0.372

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
Data File : PD091316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Nov 2025 17:47
Operator : AR\AJ
Sample : PB170651BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

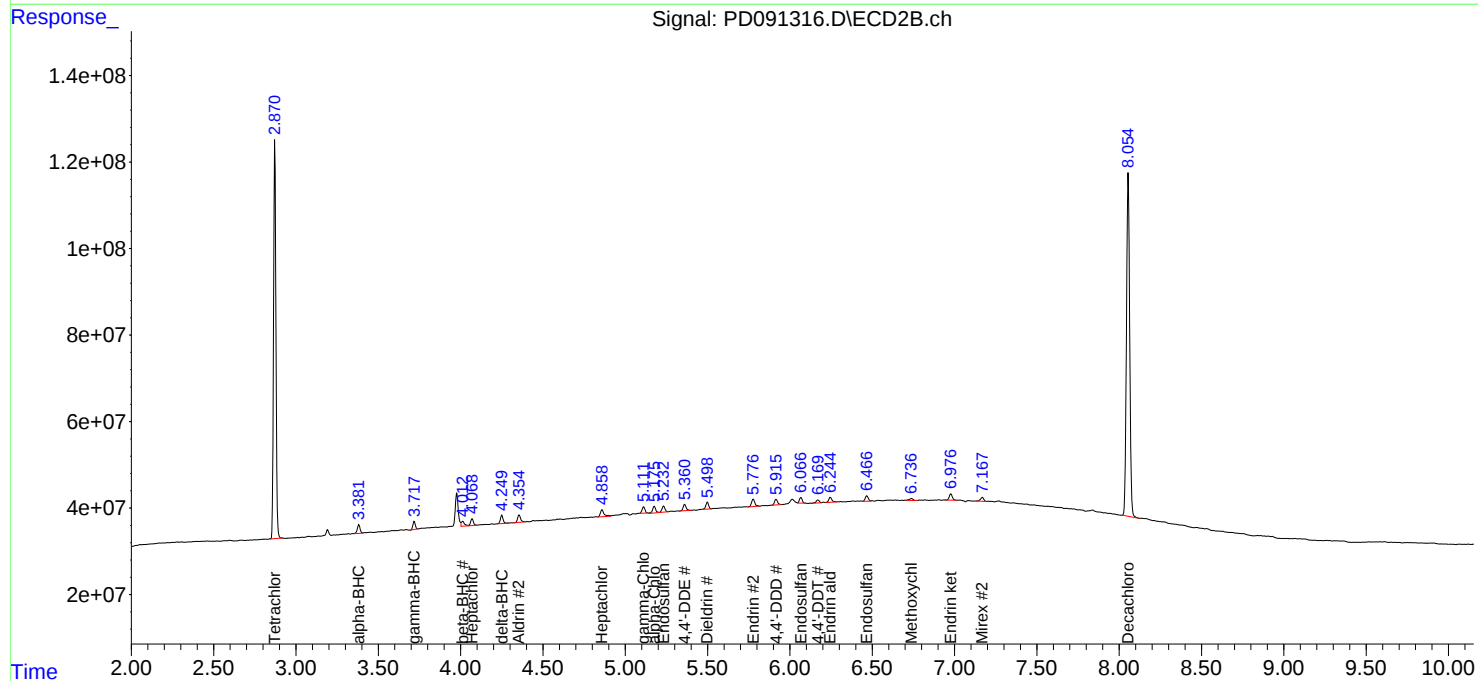
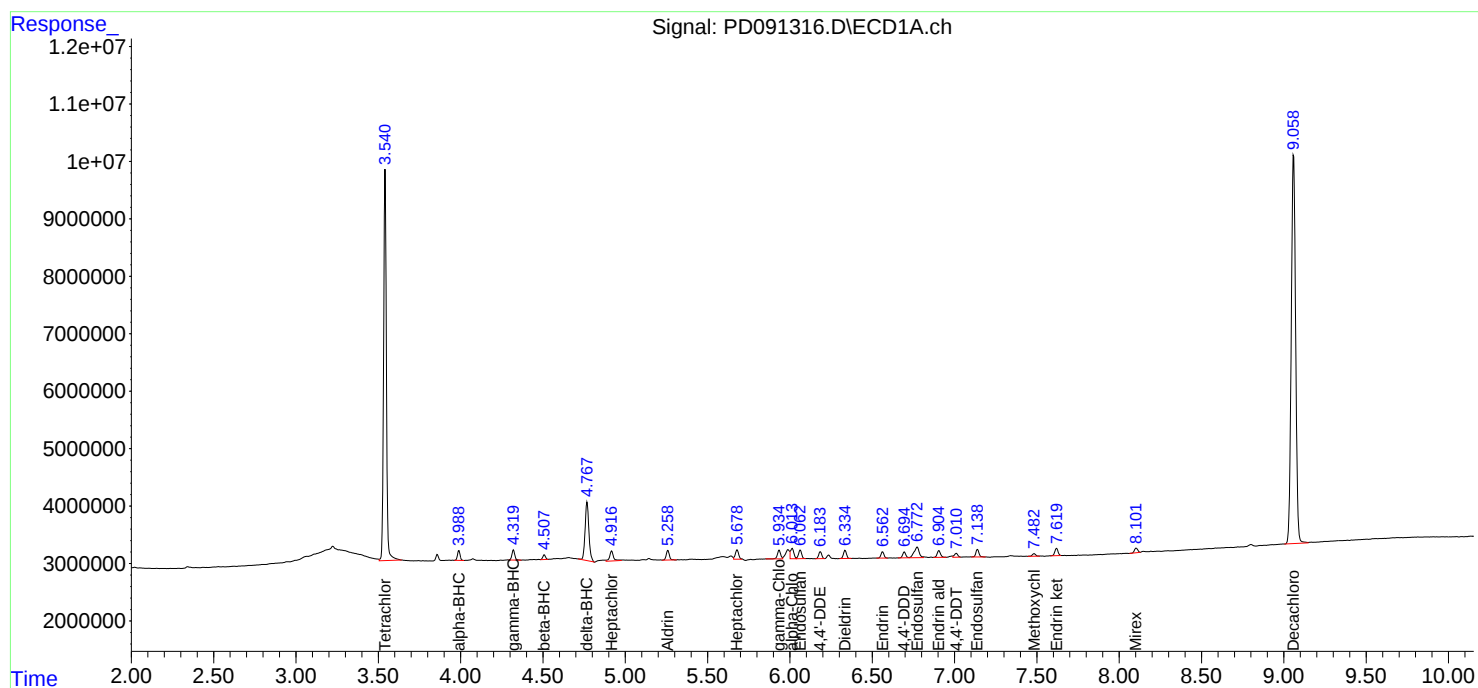
Instrument :
ECD_D
ClientSampleId :
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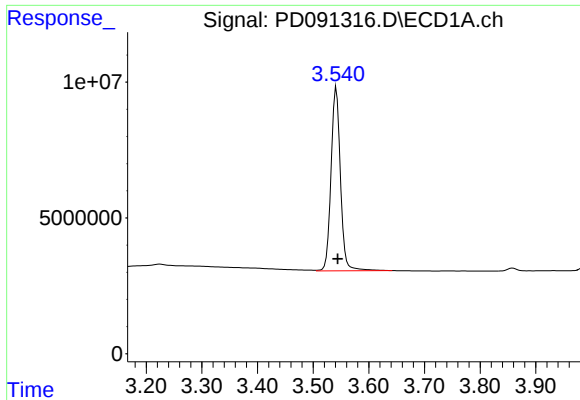
Manual Integrations
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Reviewed By :Abdul Mirza 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 22:47:54 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





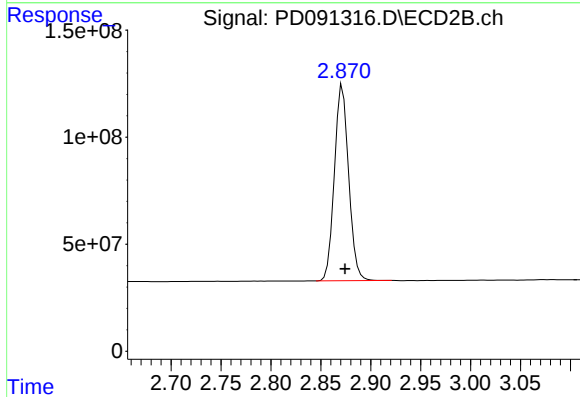
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 79622222
Conc: 23.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

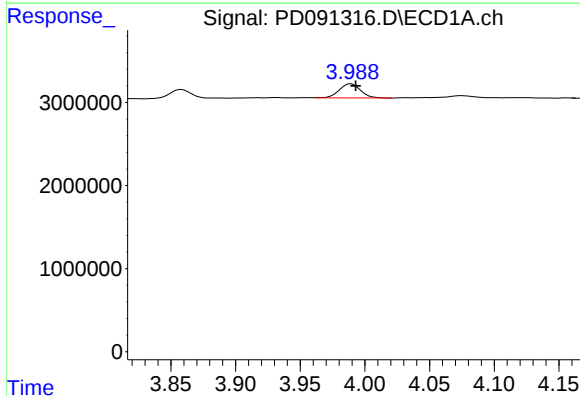
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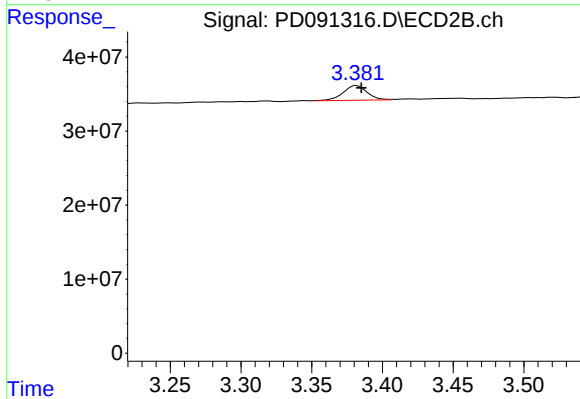
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 911548961
Conc: 24.89 ng/ml



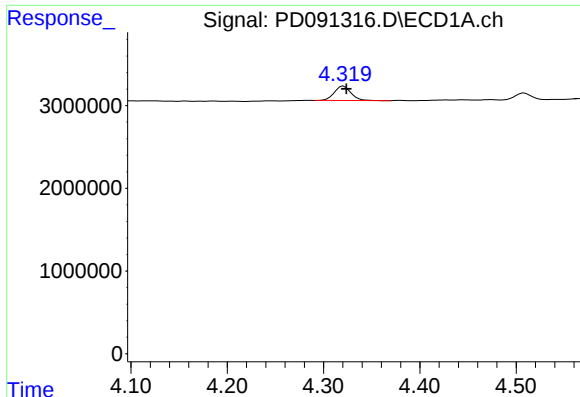
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.003 min
Response: 1964542
Conc: 0.25 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: -0.003 min
Response: 23271402
Conc: 0.37 ng/ml



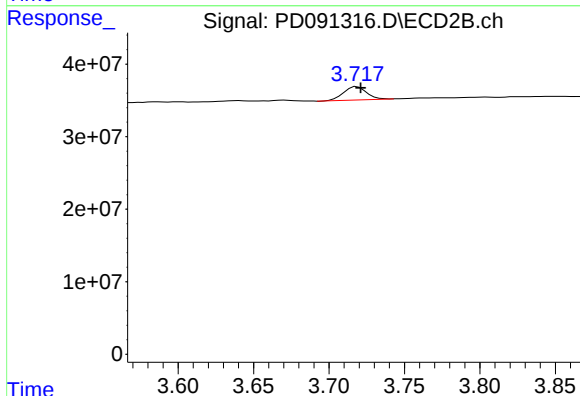
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.003 min
Response: 2136776
Conc: 0.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

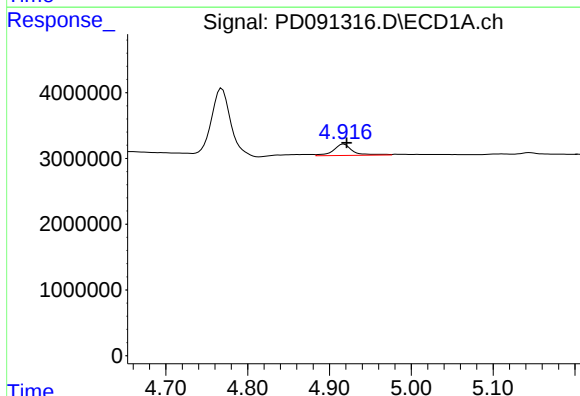
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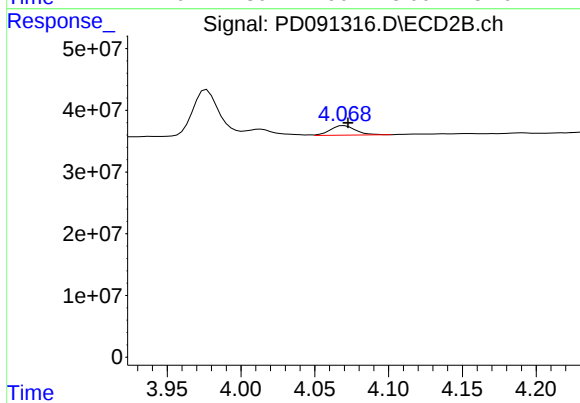
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 19318885
Conc: 0.33 ng/ml



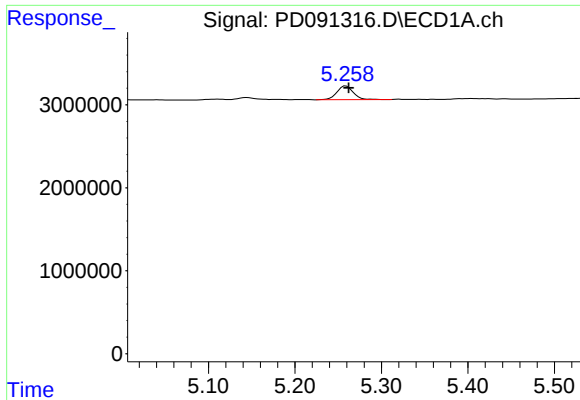
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: -0.003 min
Response: 2811571
Conc: 0.39 ng/ml



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: -0.003 min
Response: 18352478
Conc: 0.33 ng/ml



#5 Aldrin

R.T.: 5.259 min
Delta R.T.: -0.003 min
Response: 2169175
Conc: 0.30 ng/ml

Instrument :

ECD_D

ClientSampleId :

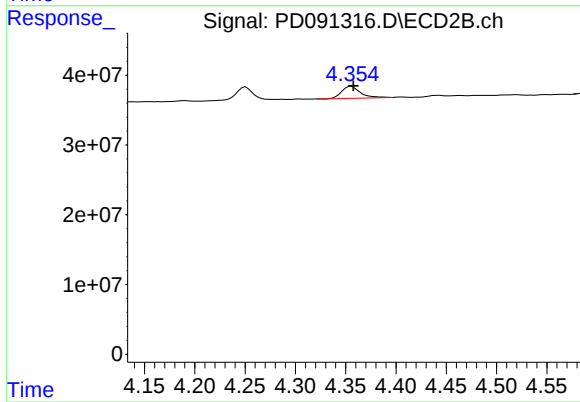
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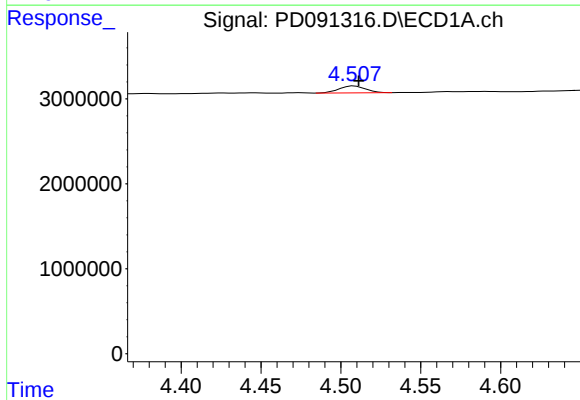
Reviewed By :Abdul Mirza 11/21/2025

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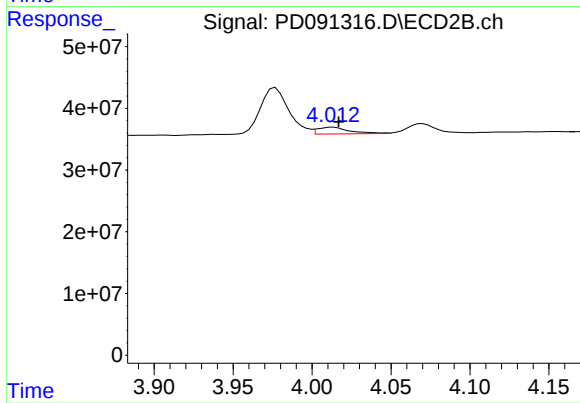
#5 Aldrin

R.T.: 4.356 min
Delta R.T.: -0.002 min
Response: 21981785
Conc: 0.39 ng/ml



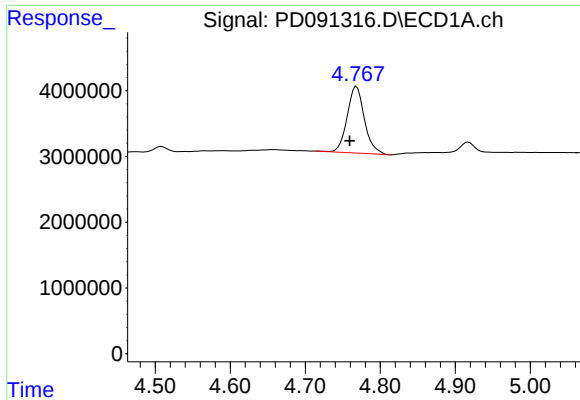
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: -0.003 min
Response: 943156
Conc: 0.32 ng/ml



#6 beta-BHC

R.T.: 4.013 min
Delta R.T.: -0.004 min
Response: 15569835
Conc: 0.65 ng/ml



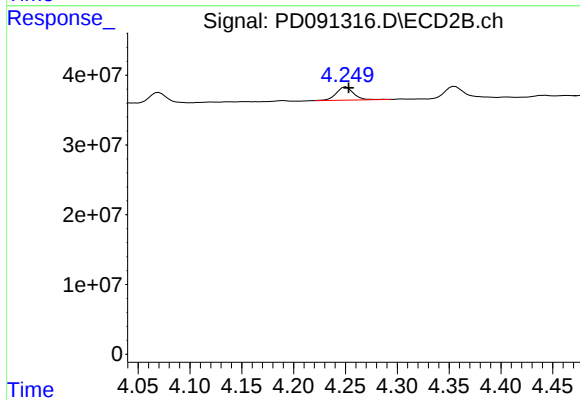
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.009 min
Response: 16269192
Conc: 2.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

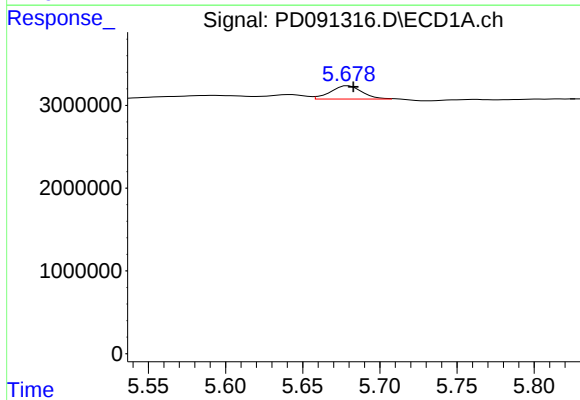
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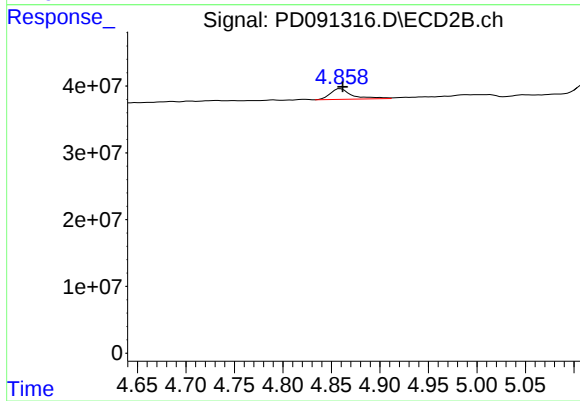
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.002 min
Response: 21980959
Conc: 0.38 ng/ml



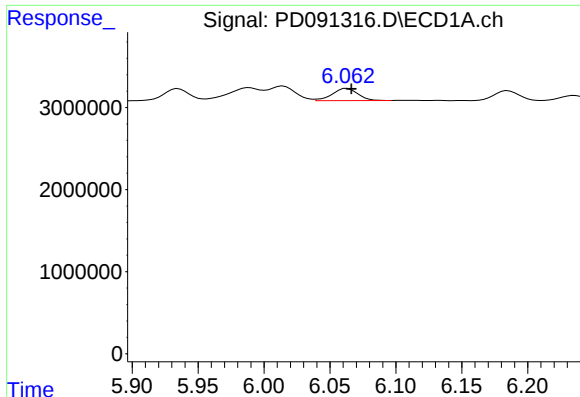
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 2257967
Conc: 0.35 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: -0.002 min
Response: 25358230
Conc: 0.50 ng/ml



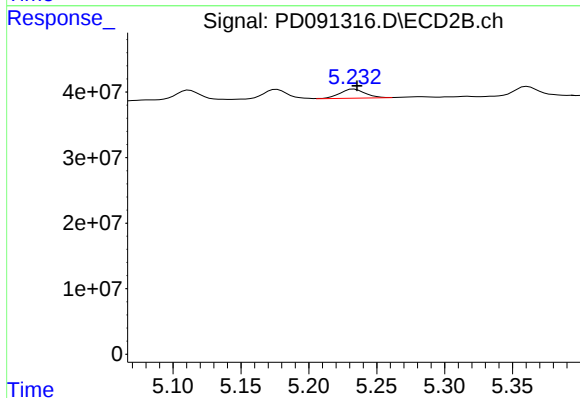
#9 Endosulfan I

R.T.: 6.063 min
Delta R.T.: -0.003 min
Response: 1989219
Conc: 0.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

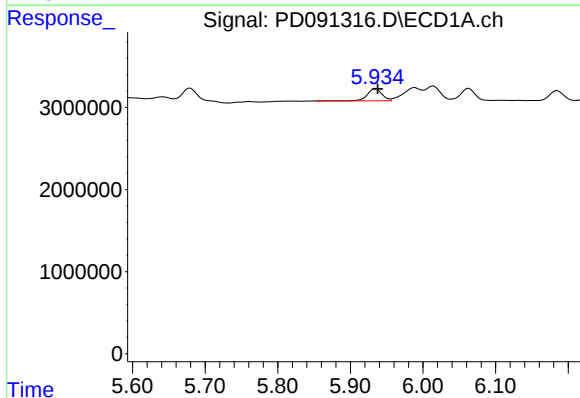
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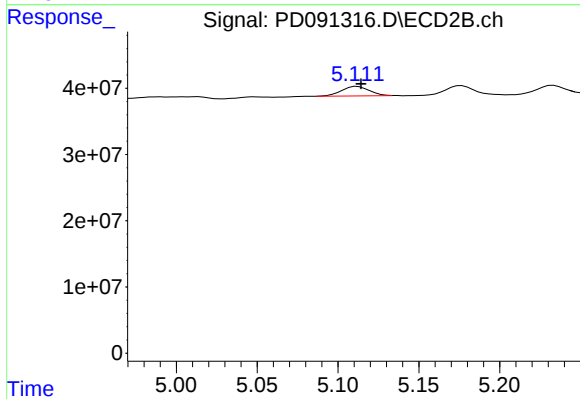
#9 Endosulfan I

R.T.: 5.233 min
Delta R.T.: -0.002 min
Response: 18202292
Conc: 0.38 ng/ml



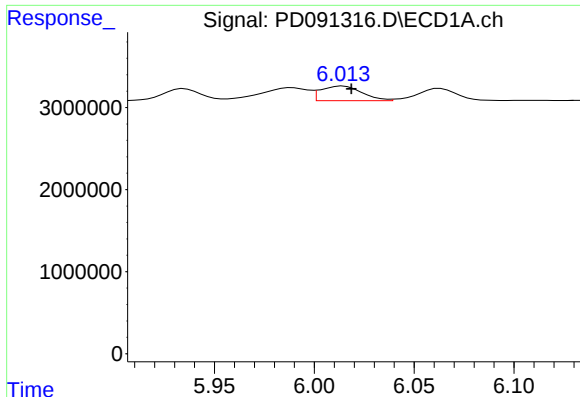
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.003 min
Response: 2023557
Conc: 0.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 17320243
Conc: 0.32 ng/ml m



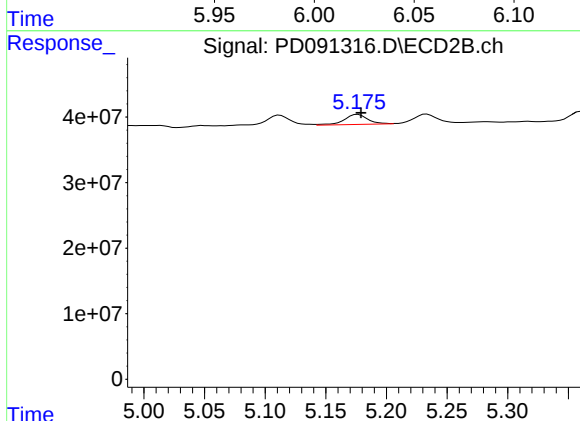
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 2551363
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
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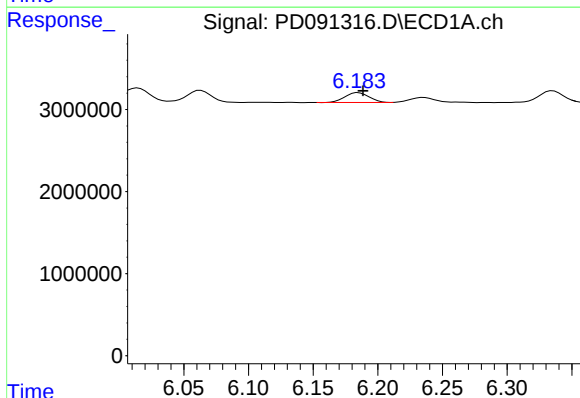


#11 alpha-Chlordane

R.T.: 5.177 min
Delta R.T.: -0.002 min
Response: 20990038
Conc: 0.40 ng/ml

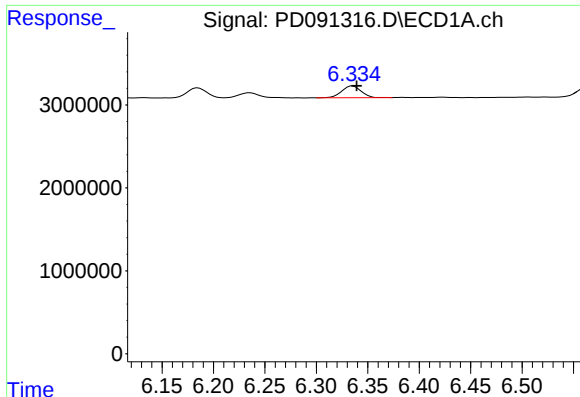
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: -0.004 min
Response: 1558247
Conc: 0.27 ng/ml



#12 4,4'-DDE

R.T.: 5.361 min
Delta R.T.: -0.002 min
Response: 19404136
Conc: 0.36 ng/ml



#13 Dieldrin

R.T.: 6.335 min
Delta R.T.: -0.004 min
Response: 1875580
Conc: 0.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

Manual Integrations APPROVED

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#13 Dieldrin

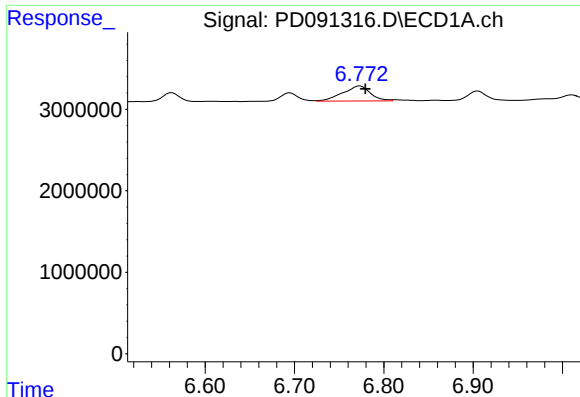
R.T.: 5.499 min
Delta R.T.: -0.002 min
Response: 18801463
Conc: 0.35 ng/ml

#14 Endrin

R.T.: 6.563 min
Delta R.T.: -0.003 min
Response: 1381039
Conc: 0.28 ng/ml

#14 Endrin

R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 24055848
Conc: 0.53 ng/ml



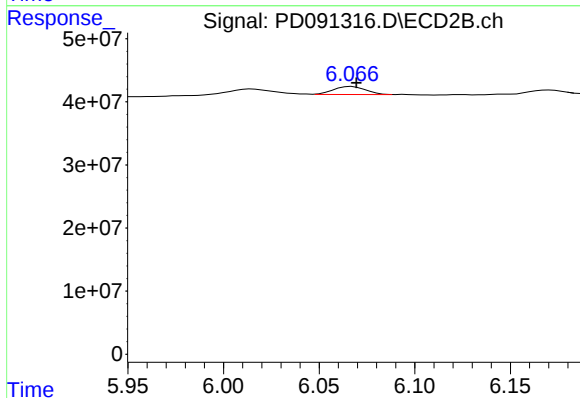
#15 Endosulfan II

R.T.: 6.772 min
Delta R.T.: -0.007 min
Response: 3970172
Conc: 0.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

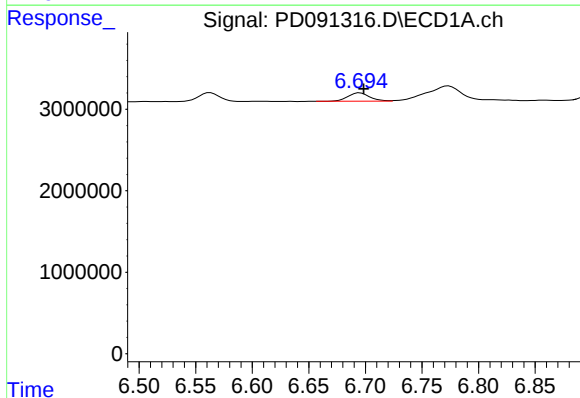
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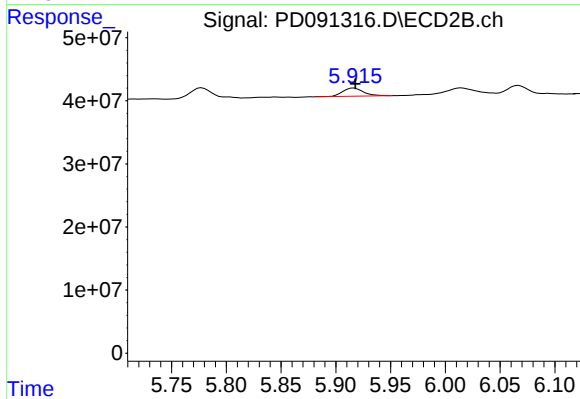
#15 Endosulfan II

R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 14983196
Conc: 0.32 ng/ml m



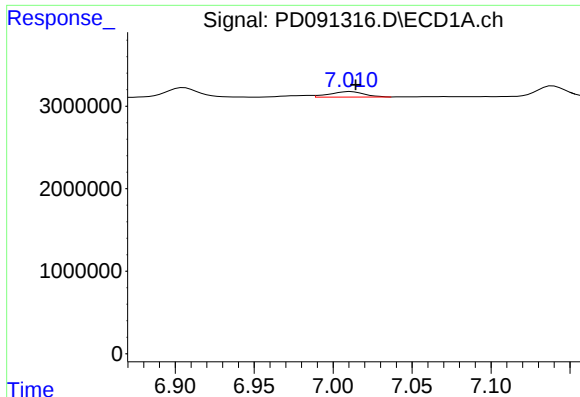
#16 4,4'-DDD

R.T.: 6.695 min
Delta R.T.: -0.003 min
Response: 1360377
Conc: 0.28 ng/ml



#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 17092350
Conc: 0.35 ng/ml



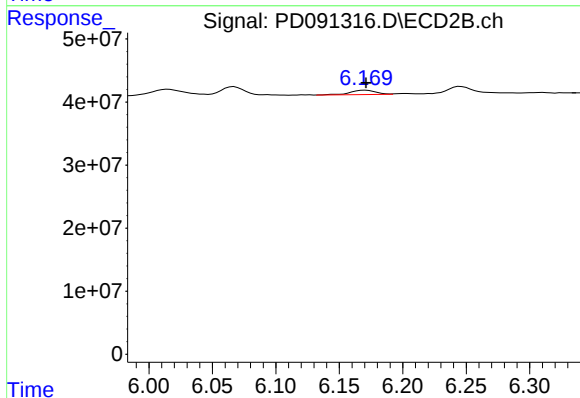
#17 4,4'-DDT

R.T.: 7.010 min
Delta R.T.: -0.005 min
Response: 977846
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

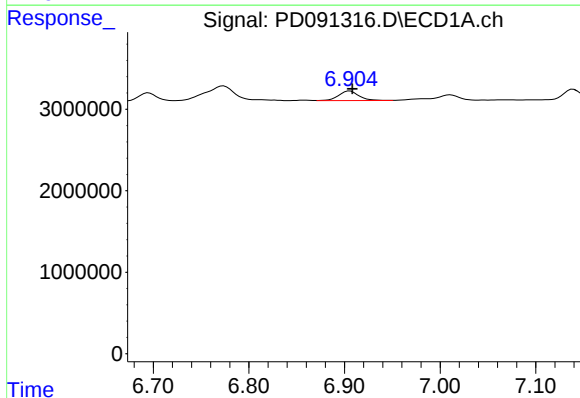
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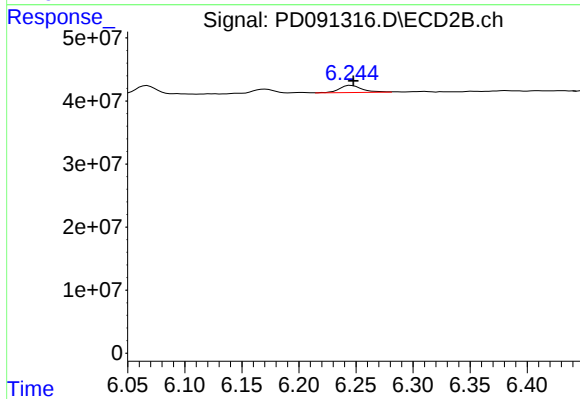
#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: 0.000 min
Response: 9526520
Conc: 0.24 ng/ml



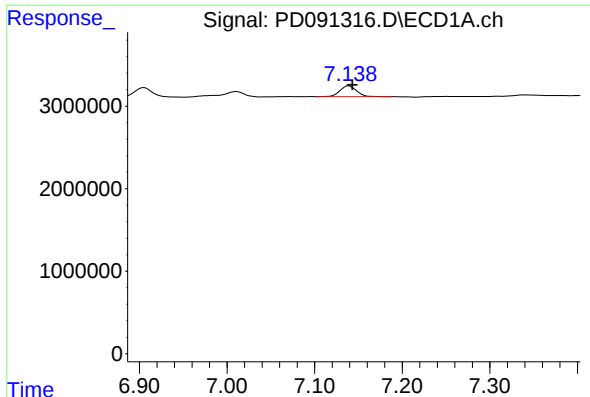
#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: -0.003 min
Response: 1725456
Conc: 0.41 ng/ml



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.002 min
Response: 15655813
Conc: 0.44 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.139 min
Delta R.T.: -0.004 min
Response: 1748145
Conc: 0.34 ng/ml

Instrument :

ECD_D

ClientSampleId :

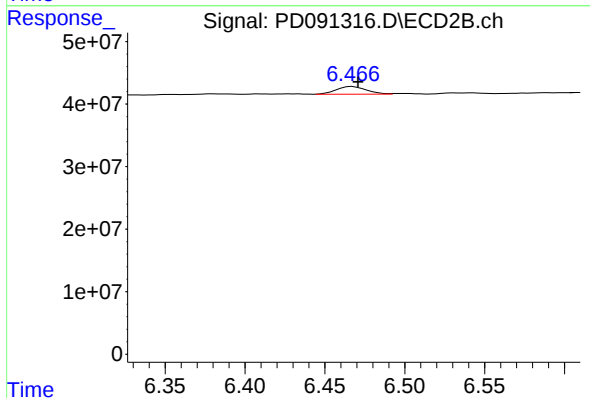
PB170651BS

Manual Integrations

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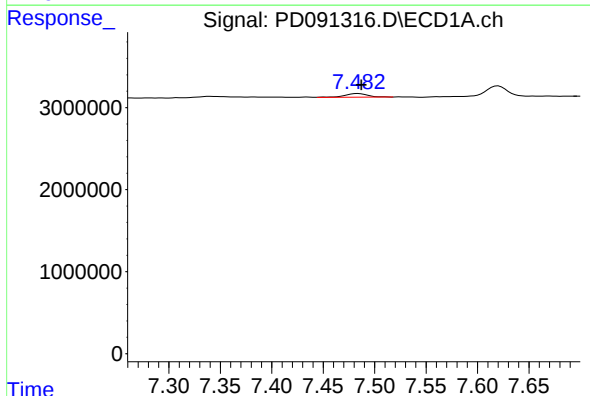
Reviewed By :Abdul Mirza 11/21/2025

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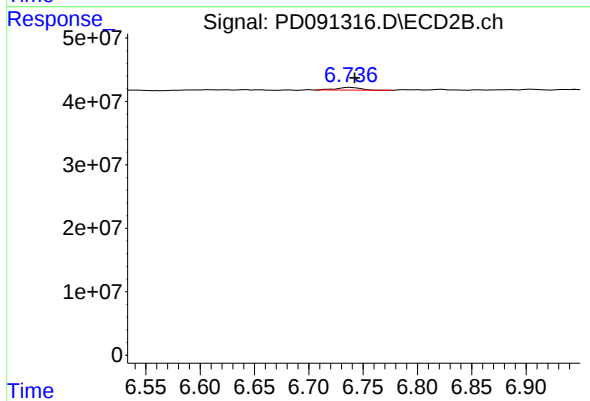
#19 Endosulfan Sulfate

R.T.: 6.467 min
Delta R.T.: -0.004 min
Response: 16010131
Conc: 0.36 ng/ml



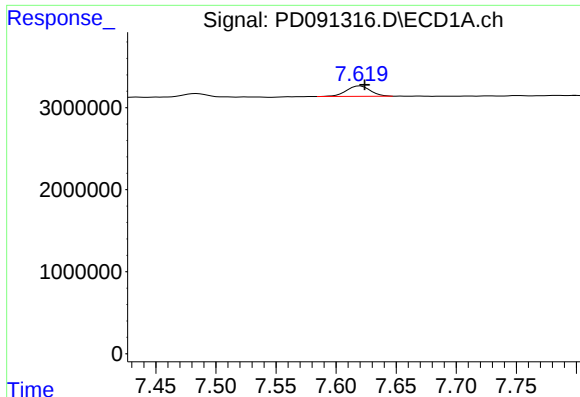
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.004 min
Response: 666061
Conc: 0.31 ng/ml



#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: -0.005 min
Response: 6699579
Conc: 0.33 ng/ml



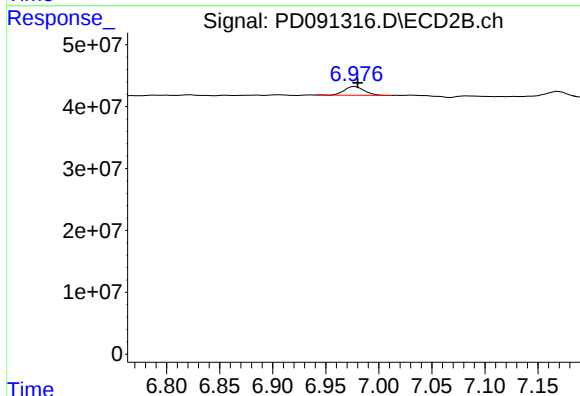
#21 Endrin ketone

R.T.: 7.619 min
Delta R.T.: -0.005 min
Response: 1774451
Conc: 0.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

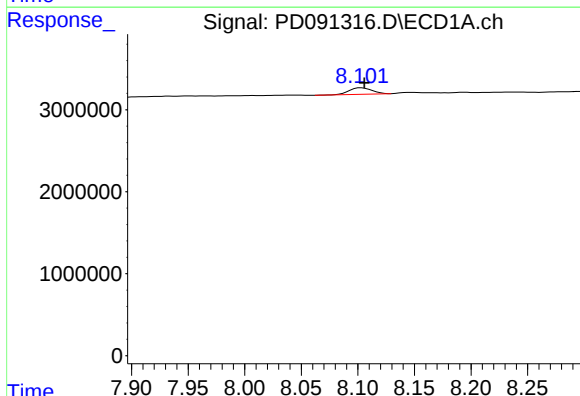
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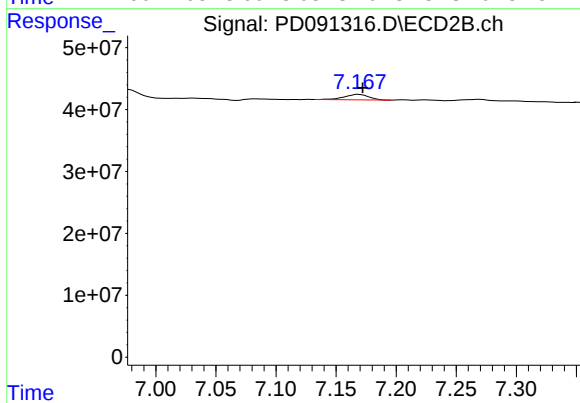
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 18521114
Conc: 0.36 ng/ml



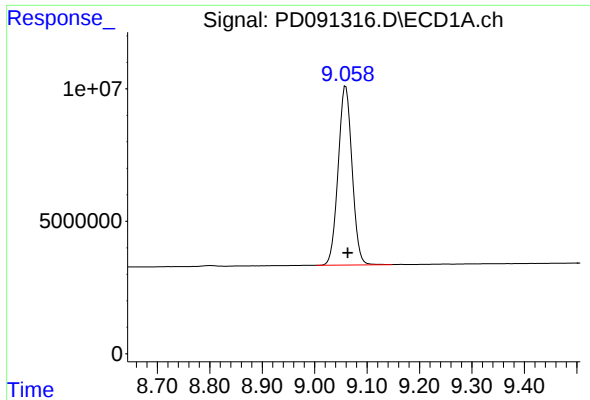
#22 Mirex

R.T.: 8.103 min
Delta R.T.: -0.003 min
Response: 1111542
Conc: 0.31 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.003 min
Response: 12336641
Conc: 0.37 ng/ml



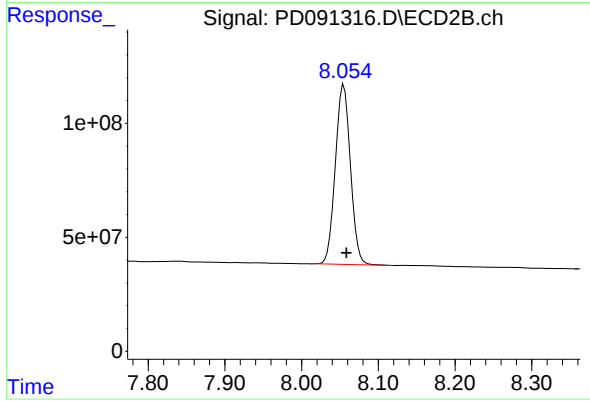
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 124913659
Conc: 25.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170651BS

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: 1078544705
Conc: 27.25 ng/ml