

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
 Data File : PD090455.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 14:07
 Operator : AR\AJ
 Sample : Q3200-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ETGI-367MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:20:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.875	46866820	387.9E6	14.419	14.130m
28)	SA Decachlor...	9.066	8.063	61820755	346.9E6	12.812	10.702
Target Compounds							
2)	A alpha-BHC	3.995	3.388	280.5E6	1652.0E6	40.160	37.731
3)	MA gamma-BHC...	4.326	3.723	259.7E6	1526.1E6	39.252	37.462
4)	MA Heptachlor	4.924	4.076	267.6E6	1549.2E6	40.461	38.049
5)	MB Aldrin	5.265	4.360	254.2E6	1489.9E6	40.028	37.308m
6)	B beta-BHC	4.512	4.020	99640409	613.1E6	38.622	35.366
7)	B delta-BHC	4.759	4.255	260.1E6	1521.3E6	40.272m	36.841
8)	B Heptachlo...	5.684	4.865	277.5E6	1406.5E6	48.560	38.152
9)	A Endosulfan I	6.067	5.238	213.1E6	881.7E6	39.455m	25.478 #
10)	B gamma-Chl...	5.939	5.117	216.3E6	1450.2E6	37.872m	36.914
11)	B alpha-Chl...	6.020	5.182	229.2E6	1392.7E6	39.788m	36.976
12)	B 4,4'-DDE	6.191	5.365	197.7E6	1383.3E6	37.968	36.138m
13)	MA Dieldrin	6.341	5.504	224.9E6	1439.3E6	39.016	36.956
14)	MA Endrin	6.568	5.784	196.9E6	2052.5E6	40.236m	57.281 #
15)	B Endosulfa...	6.780	6.071	182.9E6	1198.3E6	37.498m	35.503m
16)	A 4,4'-DDD	6.699	5.921	158.7E6	1103.0E6	38.720m	34.015
17)	MA 4,4'-DDT	7.016	6.175	178.4E6	1212.7E6	40.074	35.274
18)	B Endrin al...	6.909	6.251	128.4E6	807.0E6	37.435m	34.271
19)	B Endosulfa...	7.144	6.474	171.1E6	1123.6E6	37.192	34.371
20)	A Methoxychlor	7.486	6.745	162.4E6	598.2E6	68.899m	34.378 #
21)	B Endrin ke...	7.625	6.982	192.6E6	2367.2E6	38.933	65.567m#
22)	Mirex	8.108	7.176	146.1E6	861.1E6	39.422	31.191

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
Data File : PD090455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 14:07
Operator : AR\AJ
Sample : Q3200-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ETGI-367MS

Manual Integrations

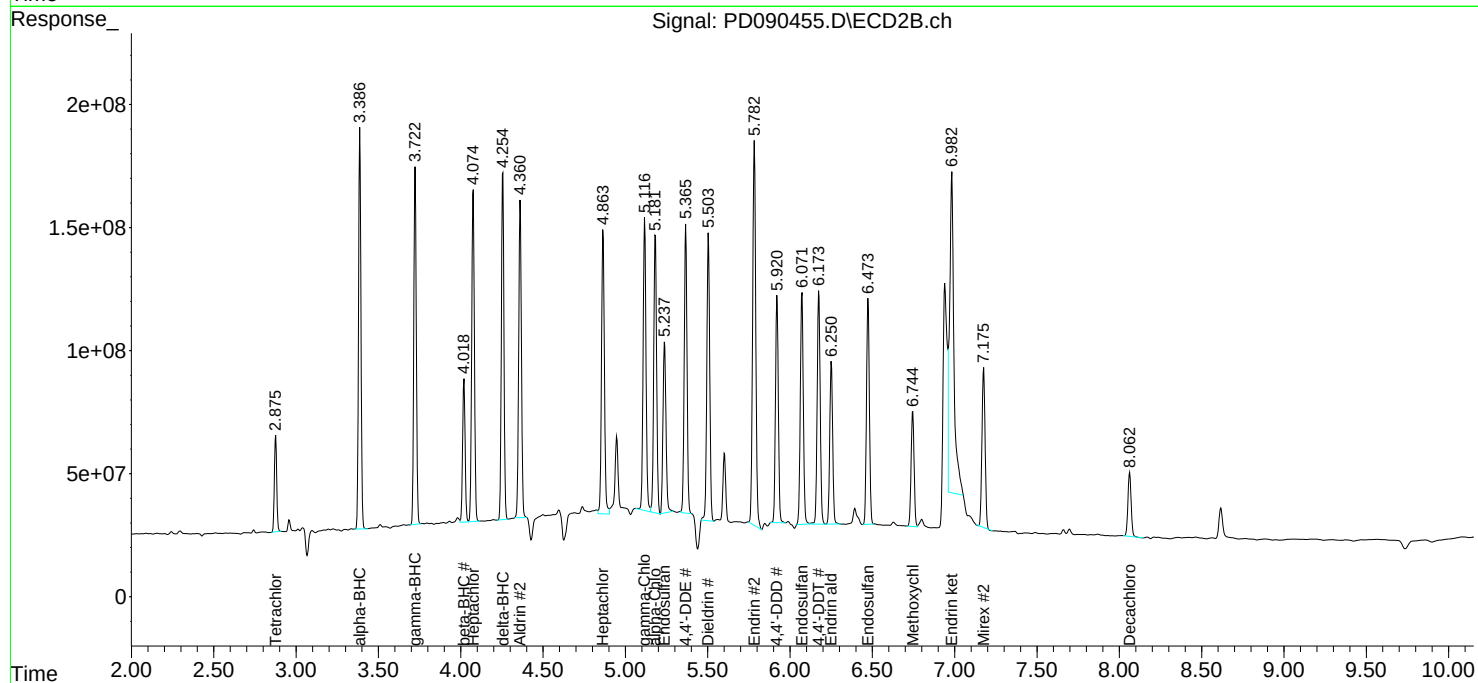
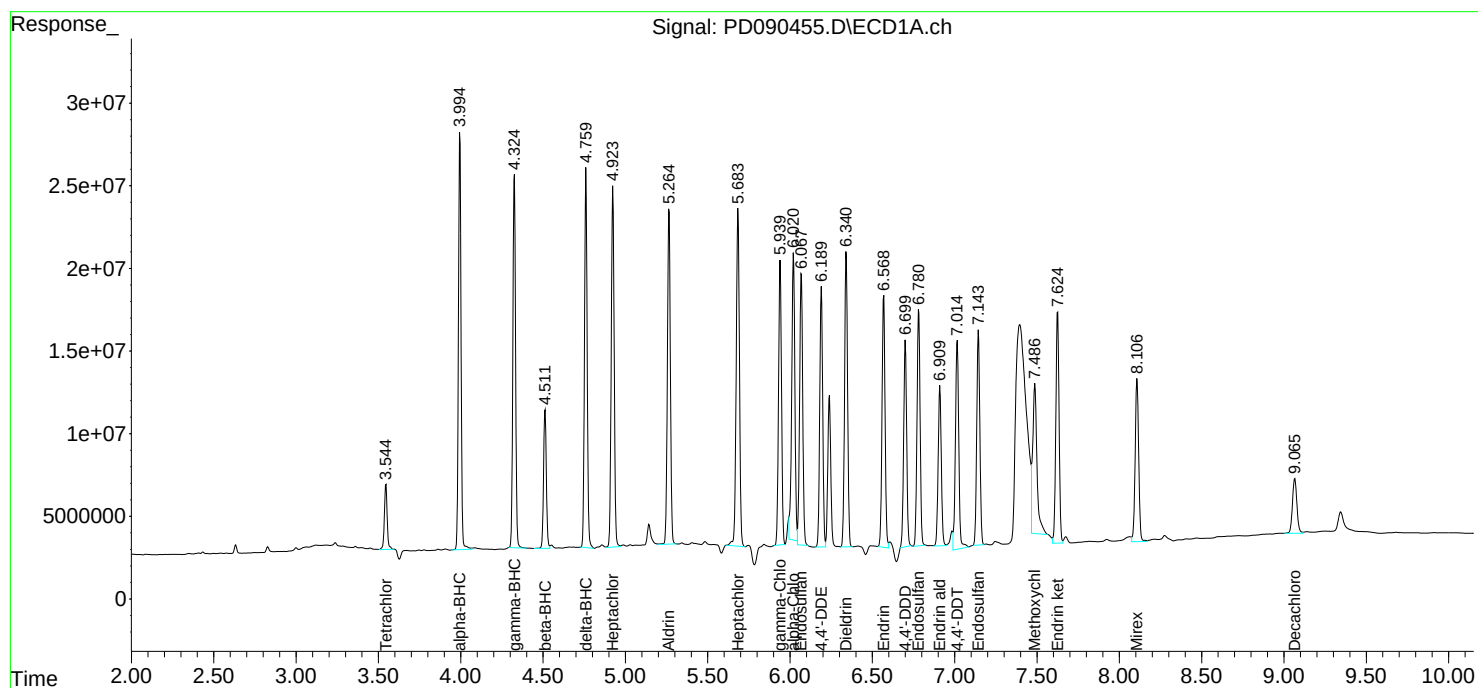
APPROVED

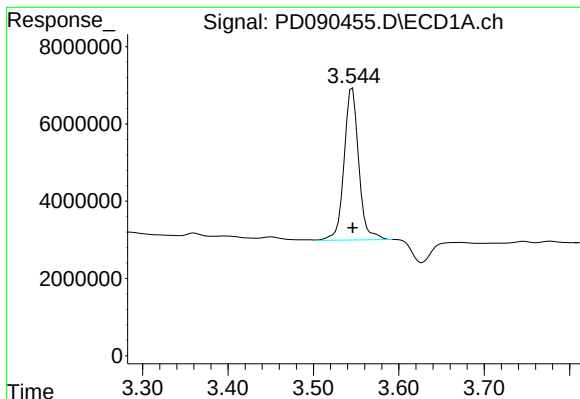
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:20:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





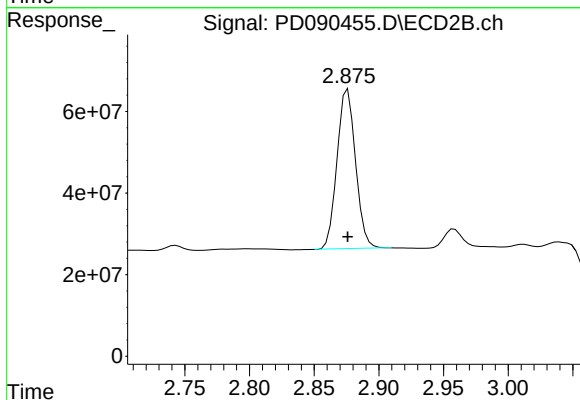
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 46866820
Conc: 14.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

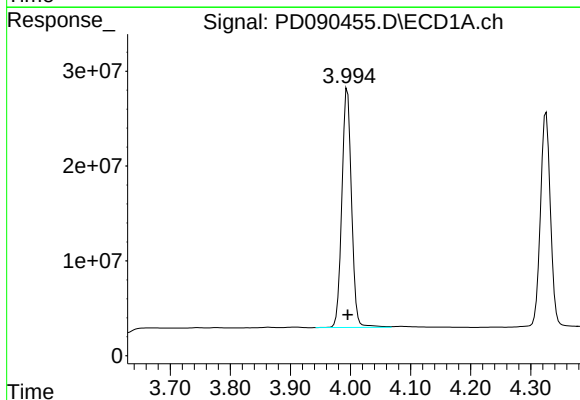
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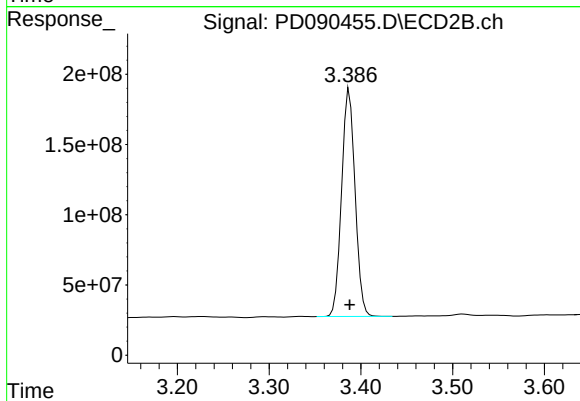
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 387864579
Conc: 14.13 ng/ml m



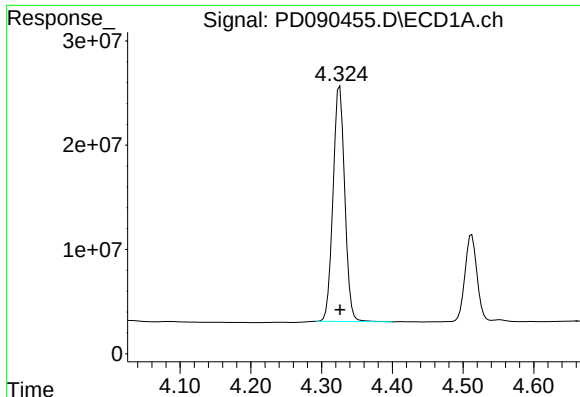
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 280499918
Conc: 40.16 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1651959687
Conc: 37.73 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 259722525
Conc: 39.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

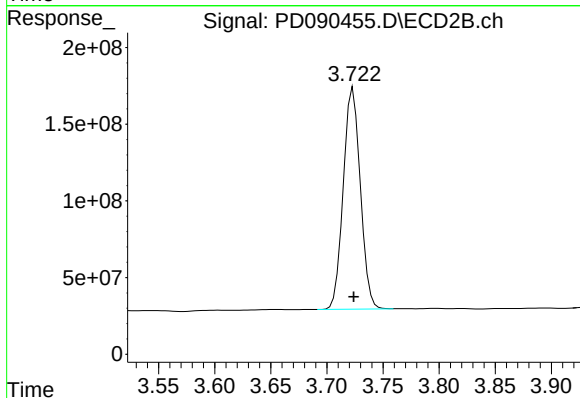
ETGI-367MS

Manual Integrations

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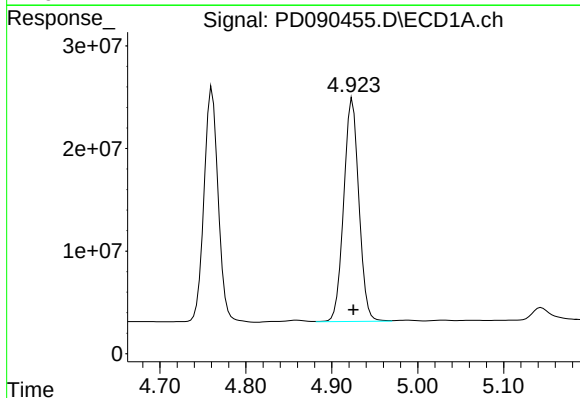
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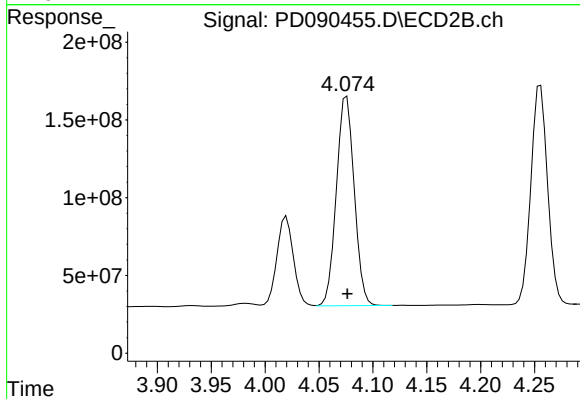
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1526051543
Conc: 37.46 ng/ml



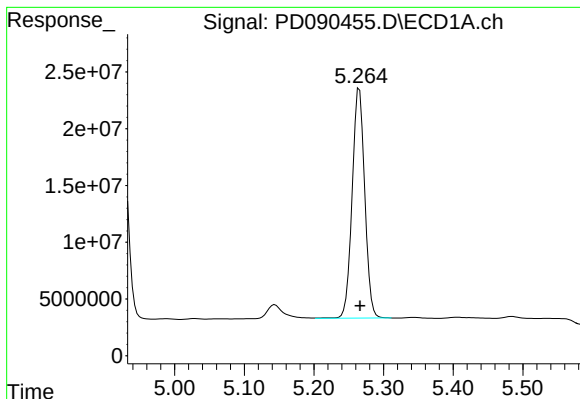
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.000 min
Response: 267550318
Conc: 40.46 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1549235959
Conc: 38.05 ng/ml



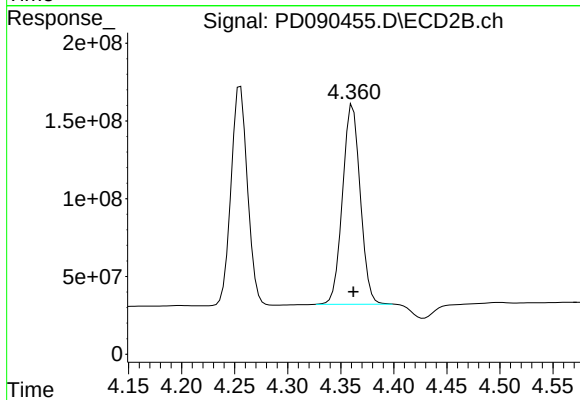
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 254174224
Conc: 40.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

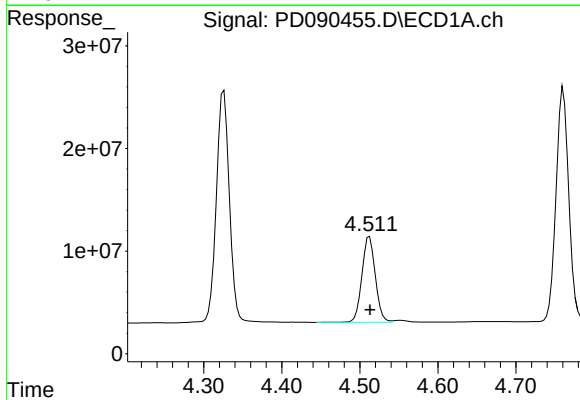
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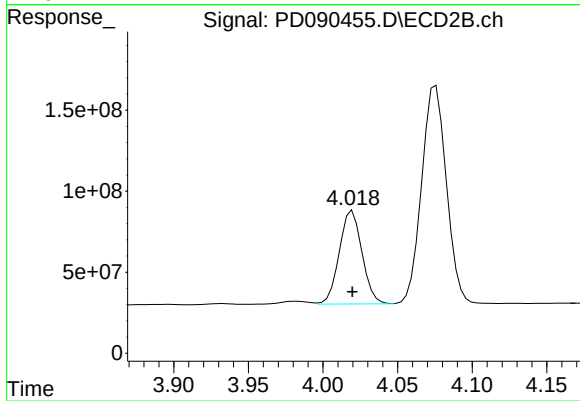
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1489911239
Conc: 37.31 ng/ml m



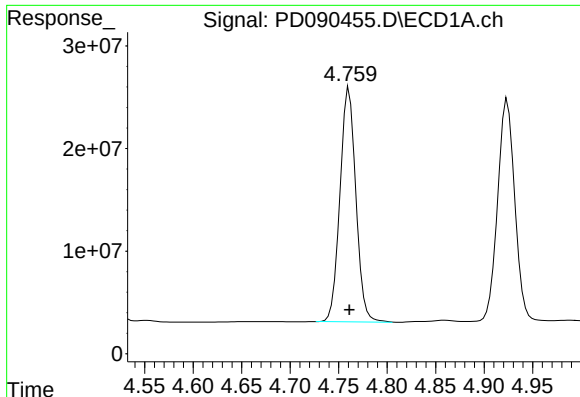
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 99640409
Conc: 38.62 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 613078429
Conc: 35.37 ng/ml



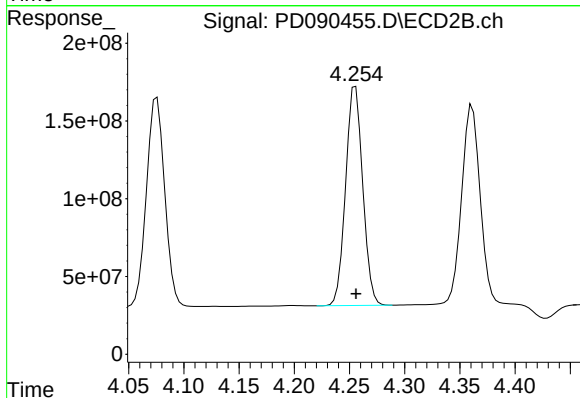
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 260055368
Conc: 40.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

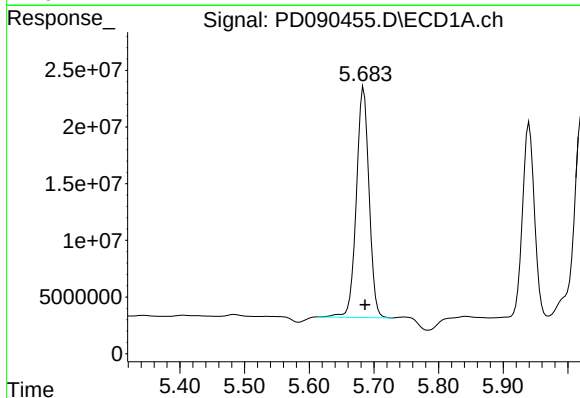
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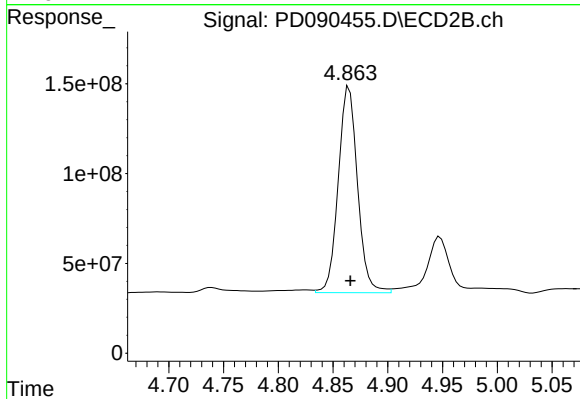
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1521333248
Conc: 36.84 ng/ml



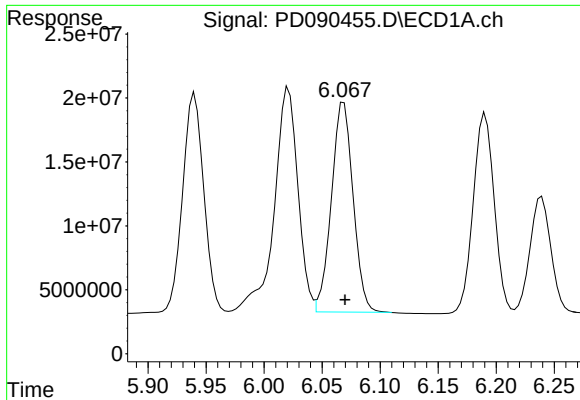
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 277516941
Conc: 48.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 1406458724
Conc: 38.15 ng/ml



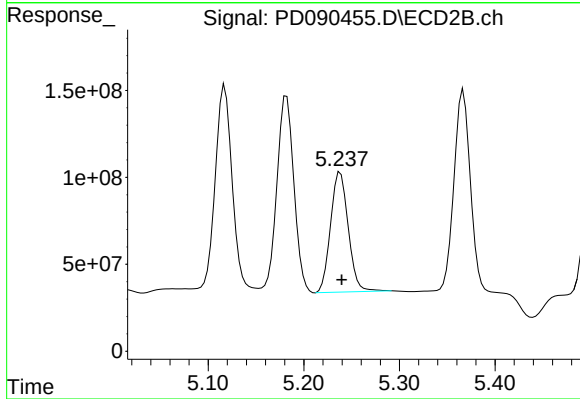
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 213115502
Conc: 39.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

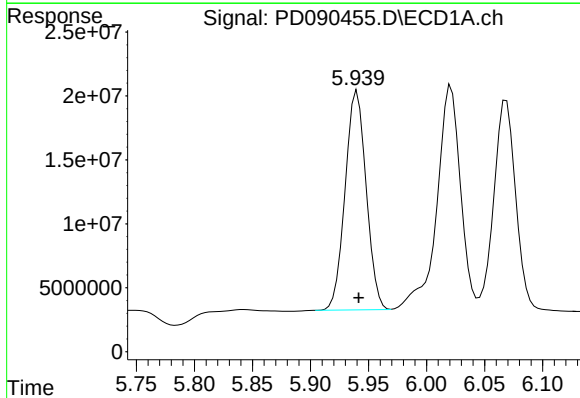
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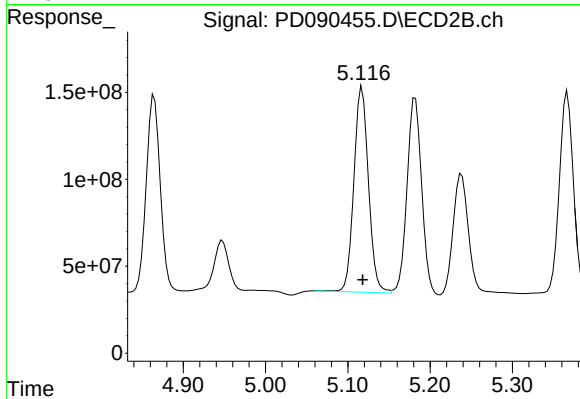
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 881666147
Conc: 25.48 ng/ml



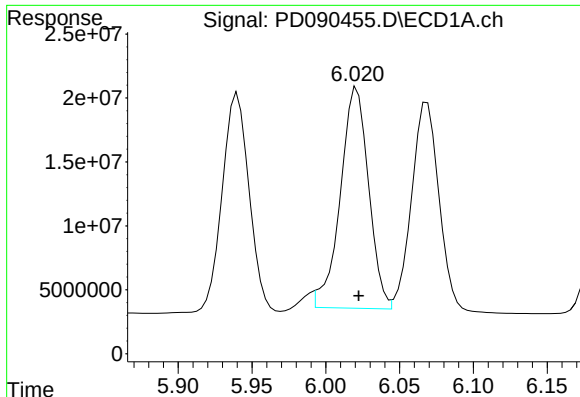
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.003 min
Response: 216323368
Conc: 37.87 ng/ml m



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1450232429
Conc: 36.91 ng/ml



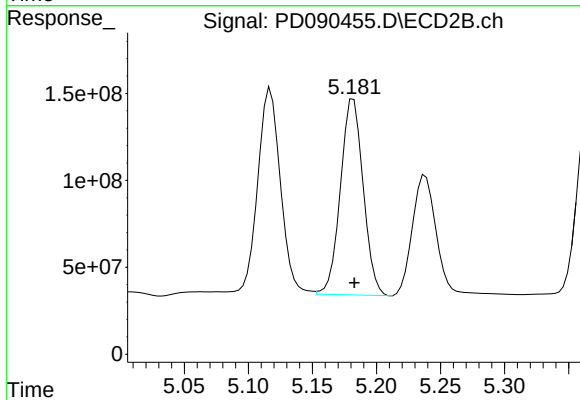
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 229214355
Conc: 39.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

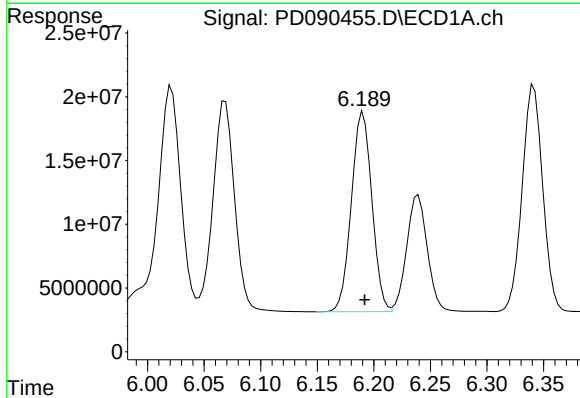
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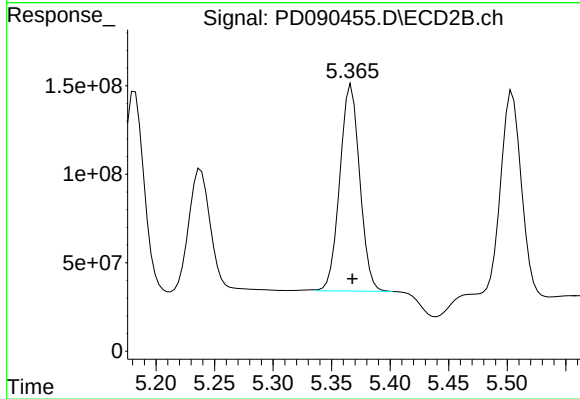
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1392702321
Conc: 36.98 ng/ml



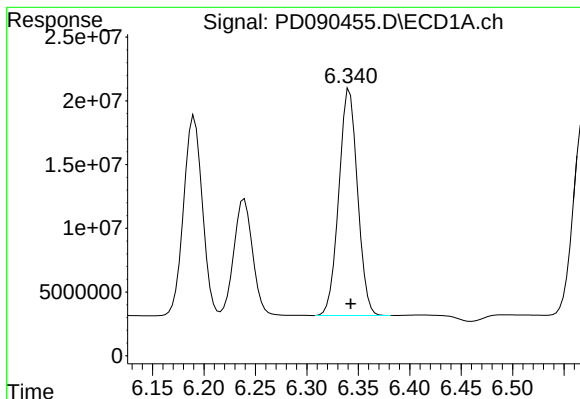
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 197718079
Conc: 37.97 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.002 min
Response: 1383339688
Conc: 36.14 ng/ml m



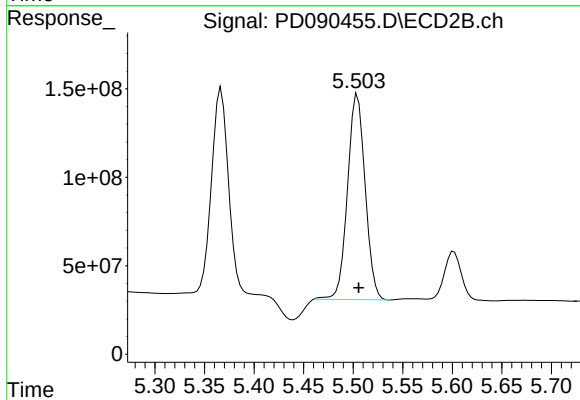
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.001 min
Response: 224915357
Conc: 39.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

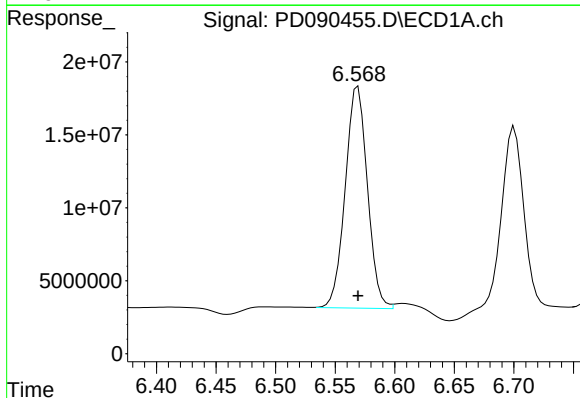
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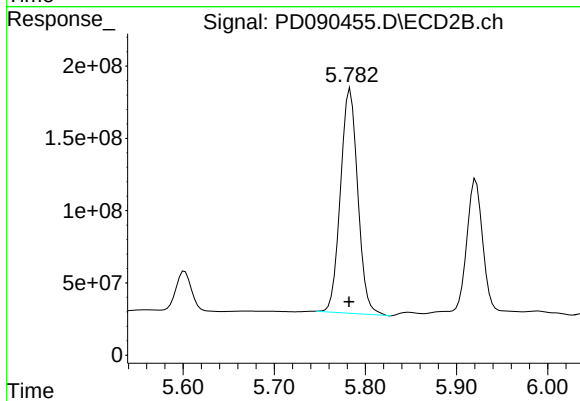
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 1439284859
Conc: 36.96 ng/ml



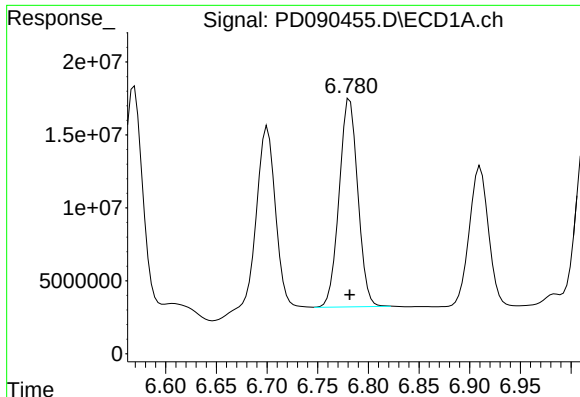
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 196911087
Conc: 40.24 ng/ml m



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.001 min
Response: 2052493330
Conc: 57.28 ng/ml



#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 182909676
Conc: 37.50 ng/ml

Instrument :

ECD_D

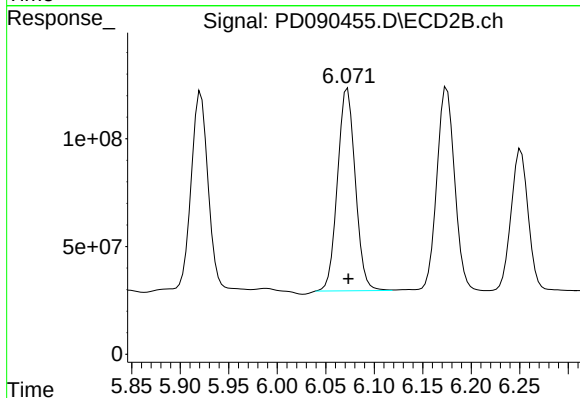
ClientSampleId :

ETGI-367MS

Manual Integrations

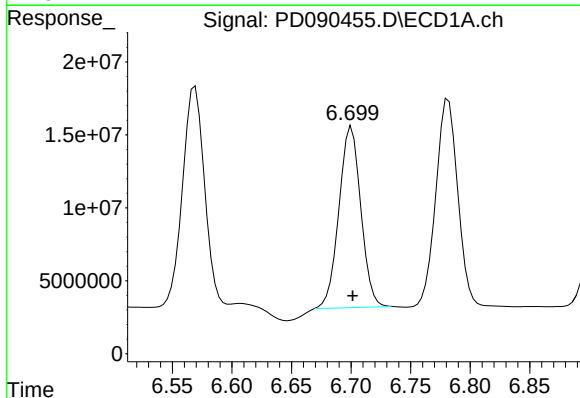
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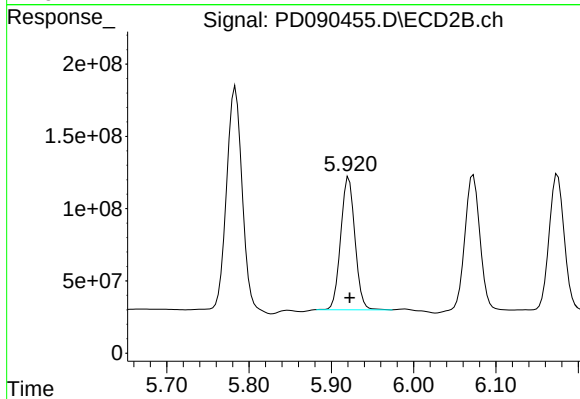
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1198266942
Conc: 35.50 ng/ml m



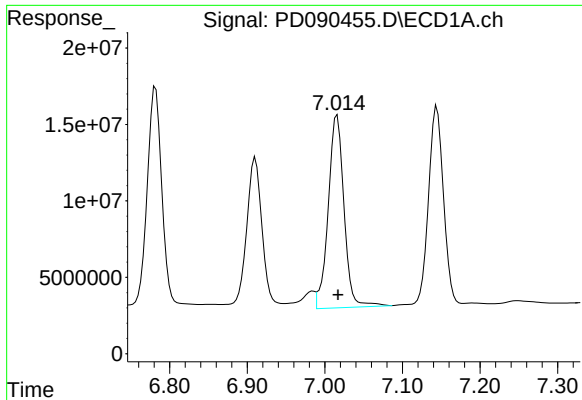
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 158666580
Conc: 38.72 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1103018354
Conc: 34.01 ng/ml



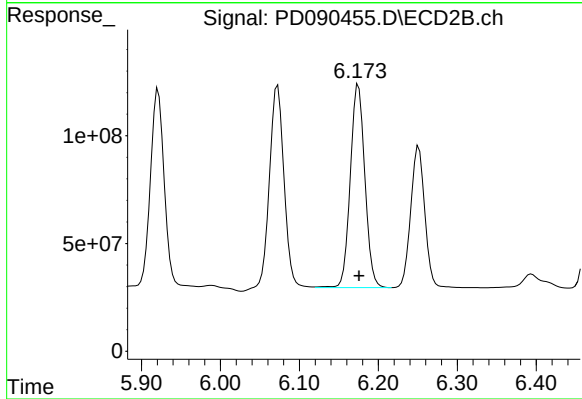
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 178426014
Conc: 40.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

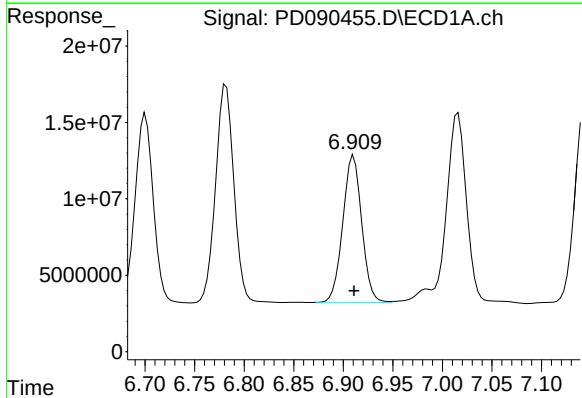
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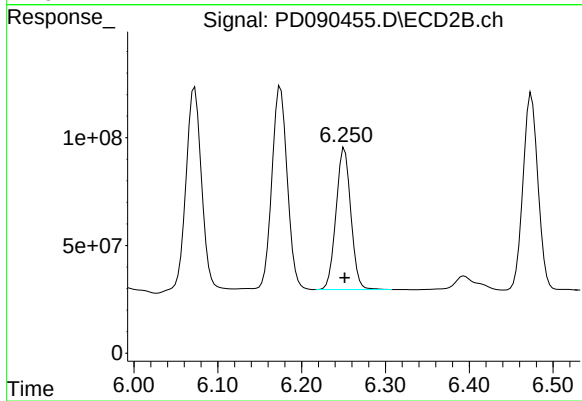
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 1212692856
Conc: 35.27 ng/ml



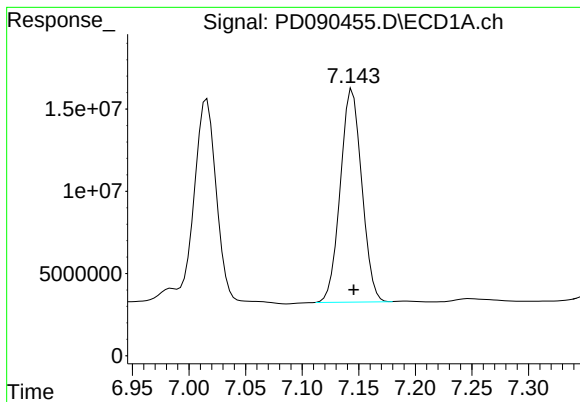
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 128424895
Conc: 37.44 ng/ml m



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 806982008
Conc: 34.27 ng/ml



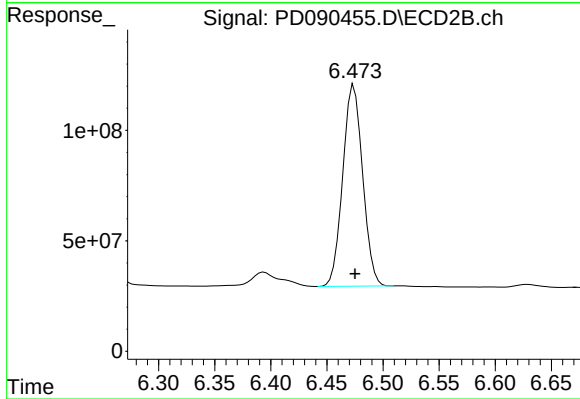
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 171096578
Conc: 37.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

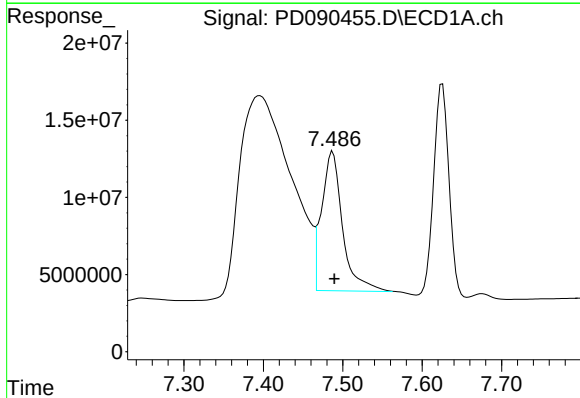
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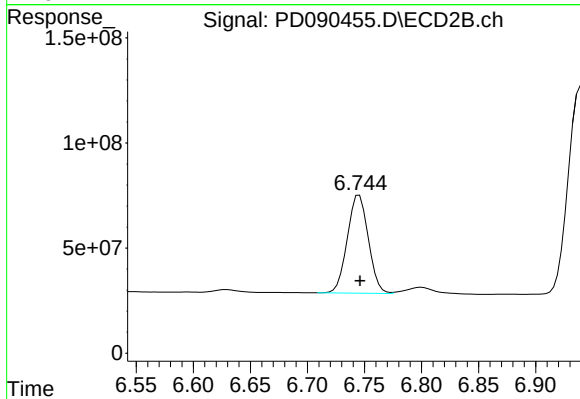
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1123587763
Conc: 34.37 ng/ml



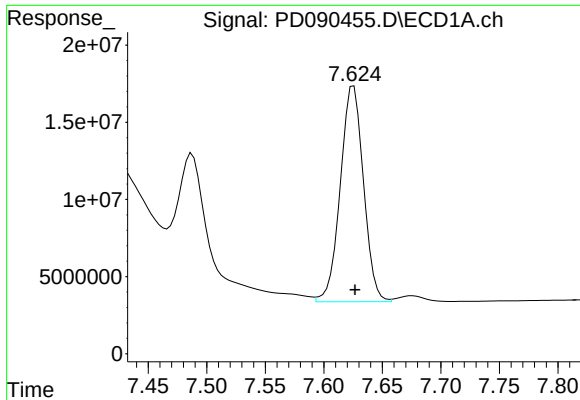
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.004 min
Response: 162361899
Conc: 68.90 ng/ml m



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 598188029
Conc: 34.38 ng/ml



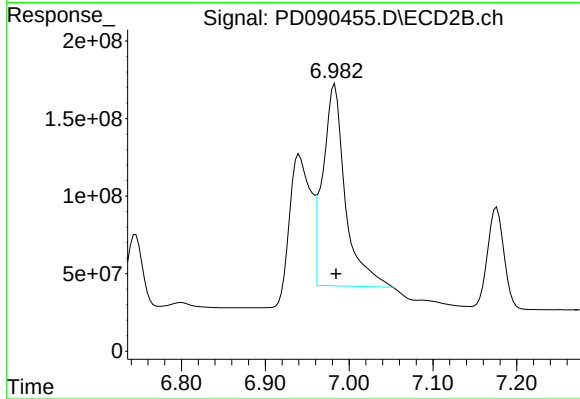
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 192618292
Conc: 38.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
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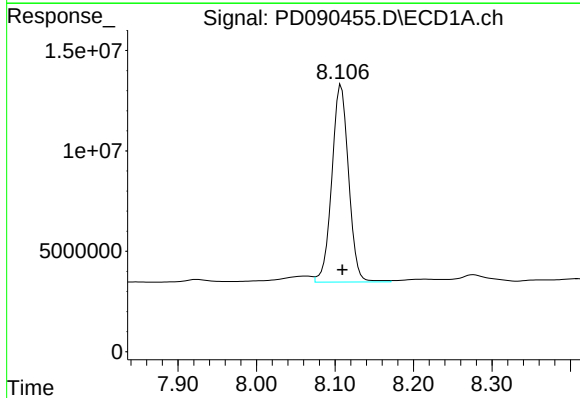
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :mohammad ahmed 10/03/2025



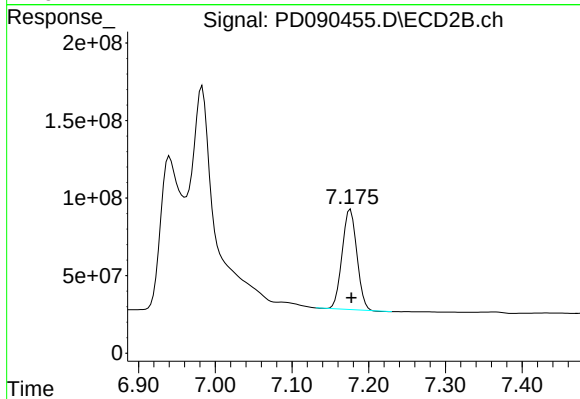
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.003 min
Response: 2367155431
Conc: 65.57 ng/ml m



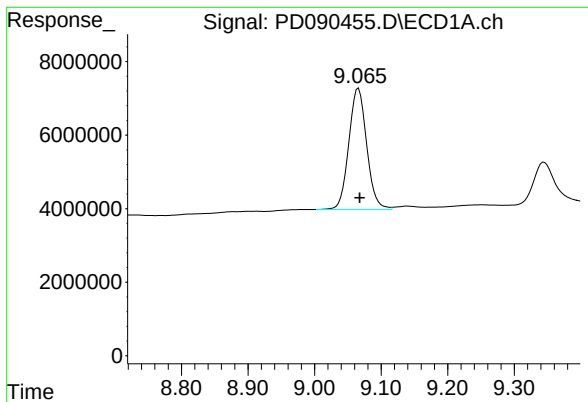
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 146051812
Conc: 39.42 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.001 min
Response: 861053580
Conc: 31.19 ng/ml



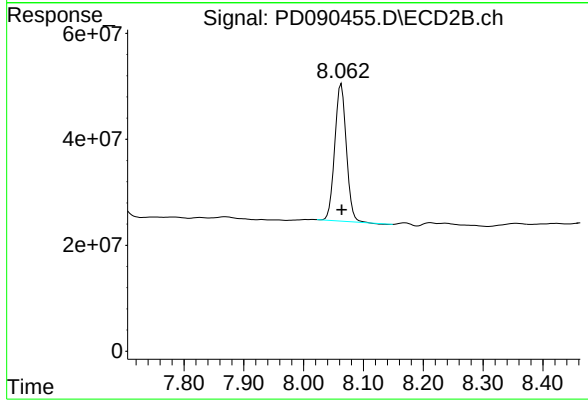
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.002 min
Response: 61820755
Conc: 12.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MS

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 346914731
Conc: 10.70 ng/ml