

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
 Data File : PD090468.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 18:49
 Operator : AR\AJ
 Sample : Q3231-04MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-1MS

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 02:23:49 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...	3.545	2.876	53057977	434.3E6	16.323	15.823
28)	SA Decachlor...	9.065	8.062	90319546	559.0E6	18.719	17.247
Target Compounds							
2)	A alpha-BHC	3.995	3.387	273.5E6	1619.1E6	39.161	36.979
3)	MA gamma-BHC...	4.325	3.724	259.2E6	1509.8E6	39.178	37.065
4)	MA Heptachlor	4.924	4.076	263.6E6	1526.3E6	39.866	37.486
5)	MB Aldrin	5.265	4.361	249.2E6	1482.1E6	39.243	37.113
6)	B beta-BHC	4.512	4.020	97900414	639.0E6	37.947	36.864
7)	B delta-BHC	4.759	4.256	276.1E6	1543.7E6	42.752m	37.382
8)	B Heptachlo...	5.685	4.865	226.8E6	1420.4E6	39.691	38.530
9)	A Endosulfan I	6.067	5.238	218.4E6	1323.9E6	40.438m	38.258
10)	B gamma-Chl...	5.940	5.117	225.0E6	1477.8E6	39.393	37.617
11)	B alpha-Chl...	6.019	5.182	242.7E6	1420.8E6	42.136m	37.721
12)	B 4,4'-DDE	6.190	5.366	208.7E6	1452.6E6	40.076	37.947
13)	MA Dieldrin	6.341	5.504	234.9E6	1477.9E6	40.750	37.949
14)	MA Endrin	6.568	5.781	203.1E6	1384.6E6	41.497	38.642
15)	B Endosulfa...	6.781	6.072	202.3E6	1300.8E6	41.473	38.541
16)	A 4,4'-DDD	6.700	5.921	165.0E6	1225.9E6	40.256	37.805
17)	MA 4,4'-DDT	7.016	6.175	185.1E6	1315.2E6	41.568	38.257
18)	B Endrin al...	6.910	6.250	151.3E6	988.1E6	44.105	41.961
19)	B Endosulfa...	7.144	6.474	188.5E6	1262.1E6	40.974	38.609
20)	A Methoxychlor	7.488	6.745	95899826	670.3E6	40.696	38.520
21)	B Endrin ke...	7.625	6.983	200.9E6	1334.1E6	40.613	36.952
22)	Mirex	8.107	7.176	147.5E6	1013.7E6	39.819	36.722

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
Data File : PD090468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 18:49
Operator : AR\AJ
Sample : Q3231-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

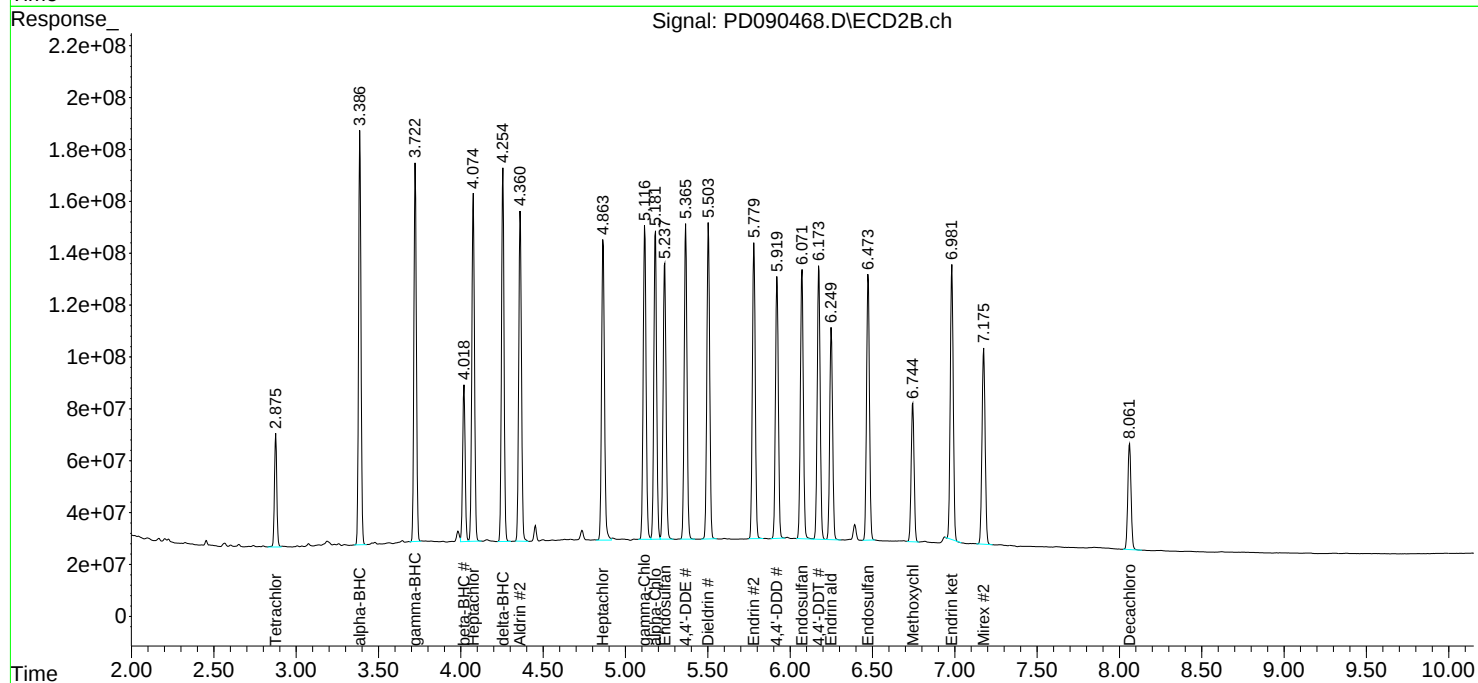
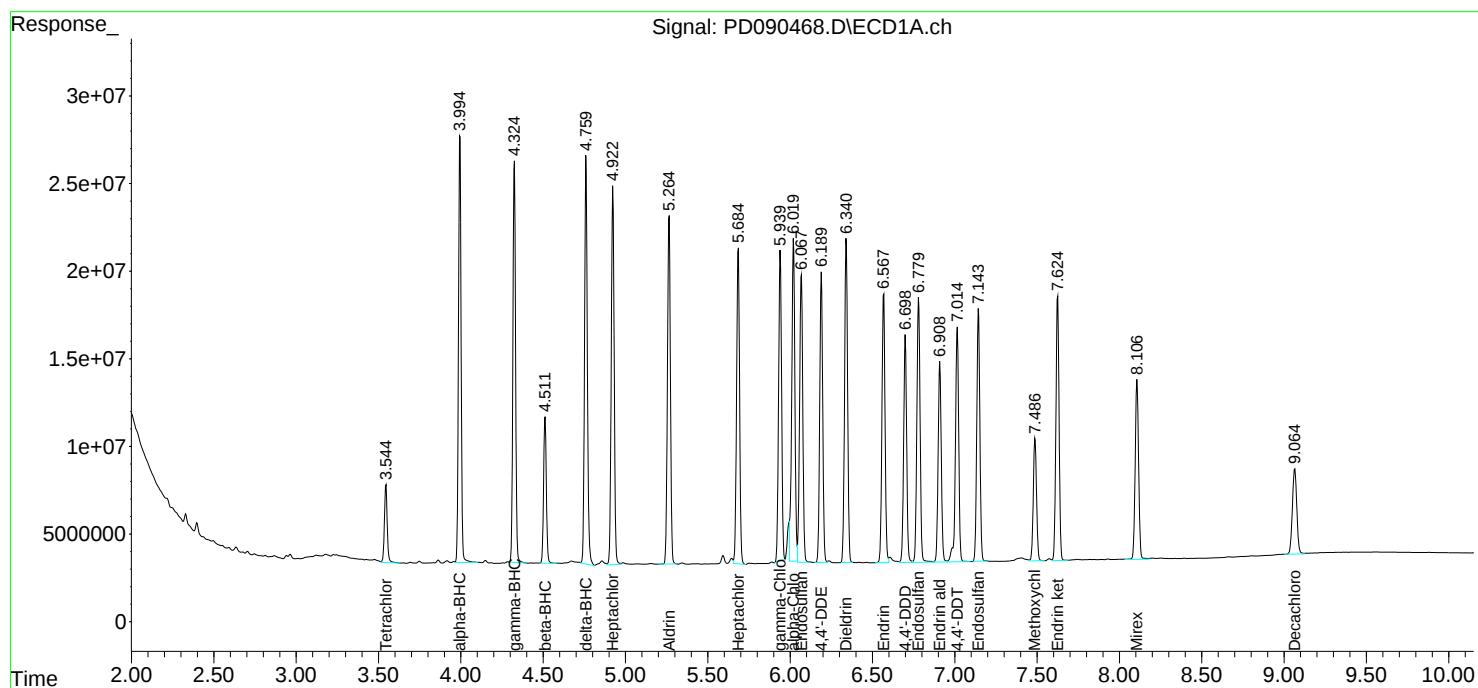
Instrument :
ECD_D
ClientSampleId :
WC-1MS

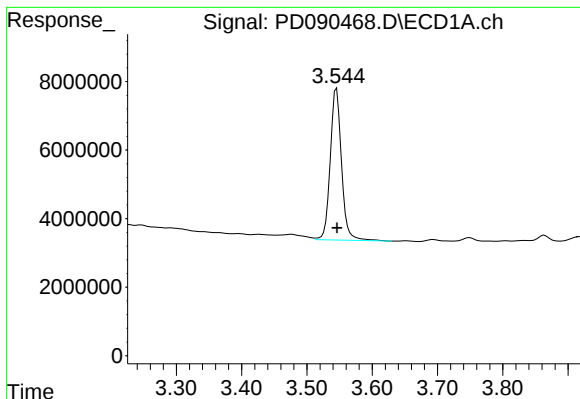
Manual Integrations
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Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:23:49 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
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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





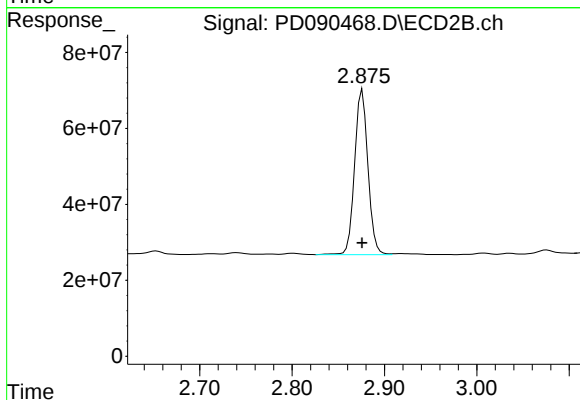
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 53057977
Conc: 16.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

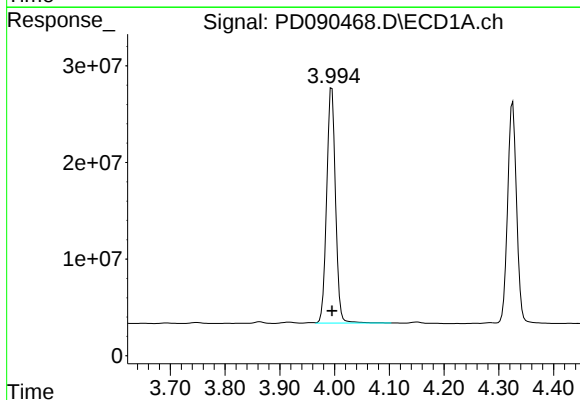
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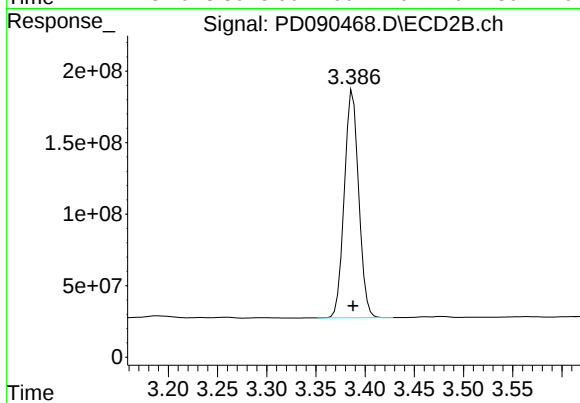
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 434334463
Conc: 15.82 ng/ml



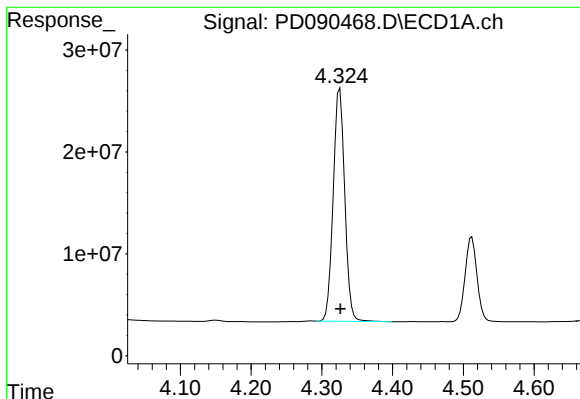
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 273520916
Conc: 39.16 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1619059881
Conc: 36.98 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 259235817
Conc: 39.18 ng/ml

Instrument :

ECD_D

ClientSampleId :

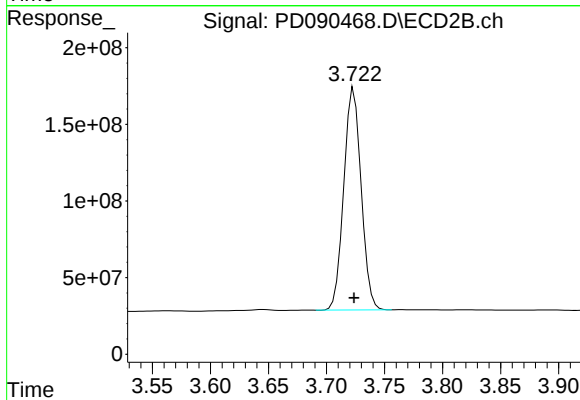
WC-1MS

Manual Integrations

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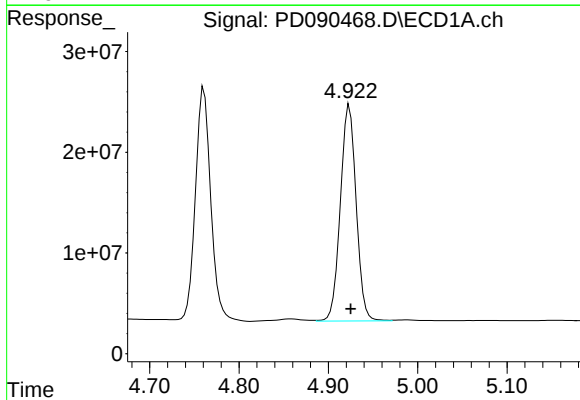
Reviewed By :Abdul Mirza 10/01/2025

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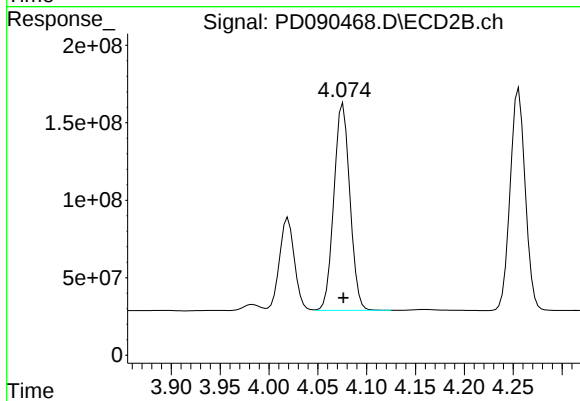
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1509841732
Conc: 37.06 ng/ml



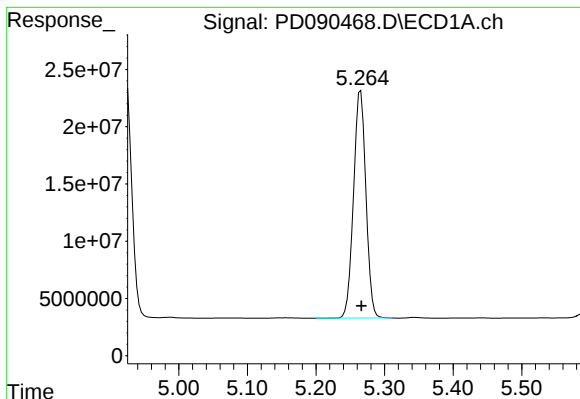
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 263618284
Conc: 39.87 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1526325159
Conc: 37.49 ng/ml



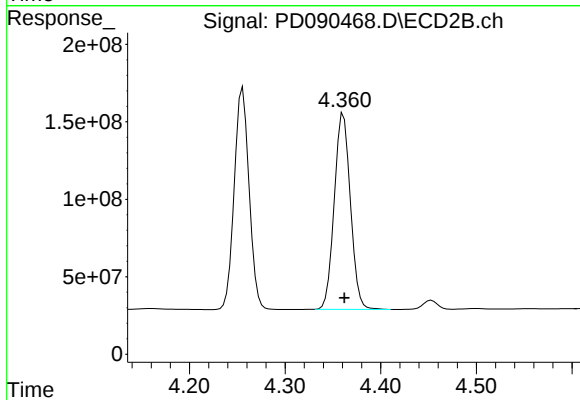
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 249188681
Conc: 39.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

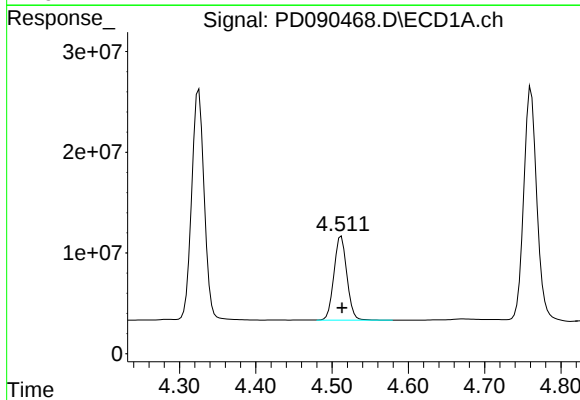
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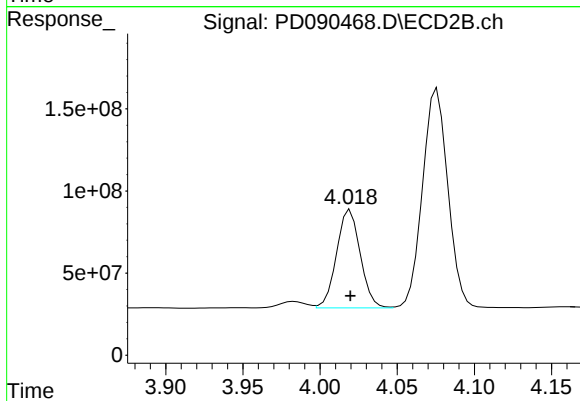
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1482094511
Conc: 37.11 ng/ml



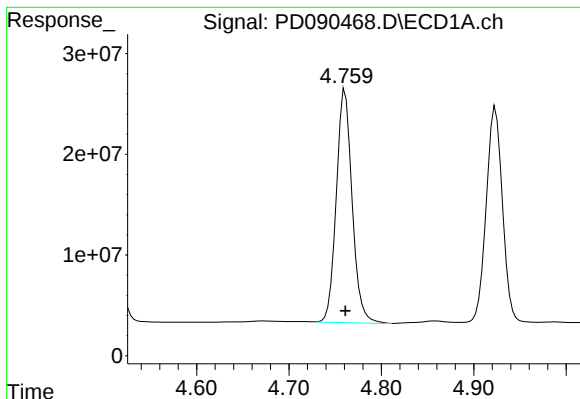
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 97900414
Conc: 37.95 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 639043051
Conc: 36.86 ng/ml



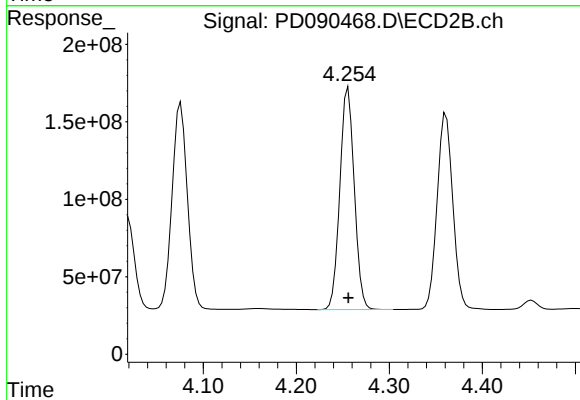
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 276072338
Conc: 42.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

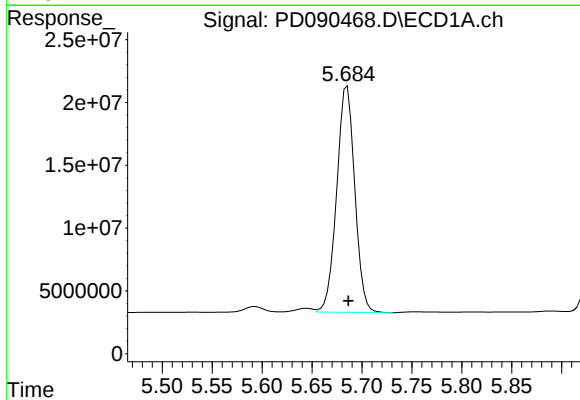
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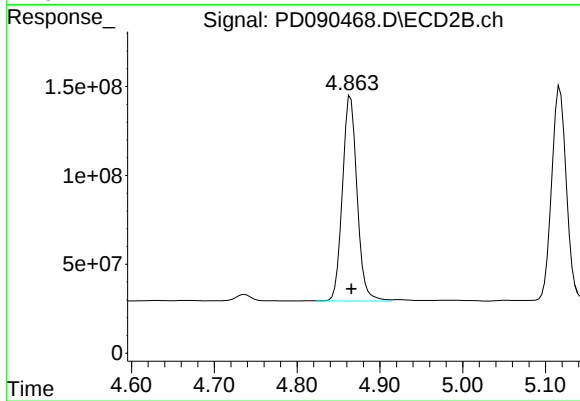
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1543688569
Conc: 37.38 ng/ml



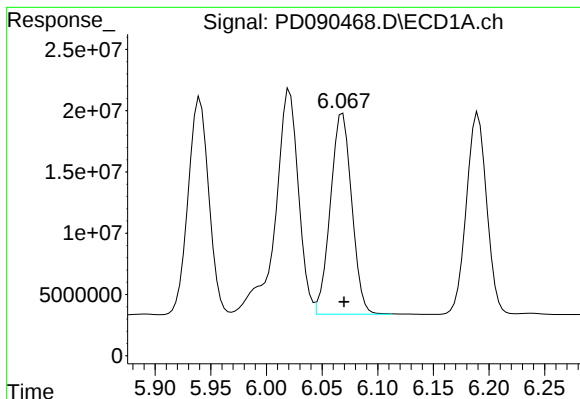
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.001 min
Response: 226831033
Conc: 39.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 1420422488
Conc: 38.53 ng/ml



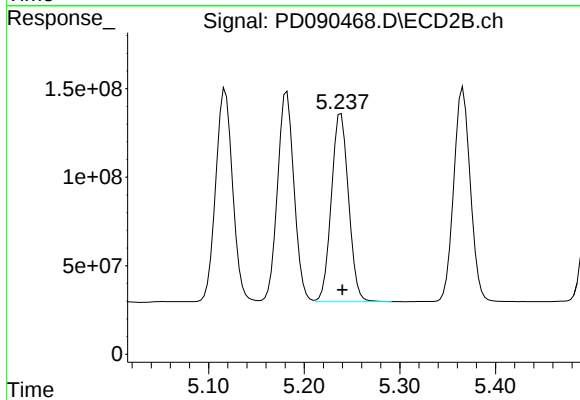
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 218421543
Conc: 40.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

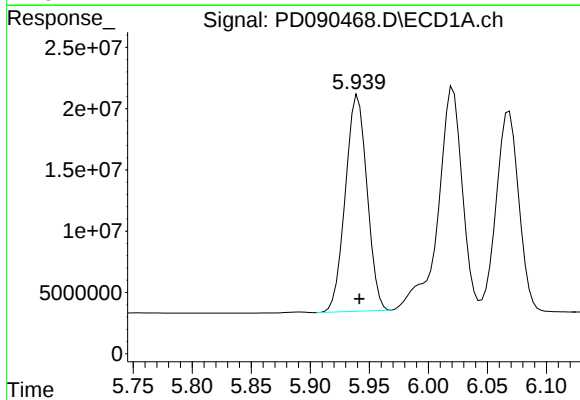
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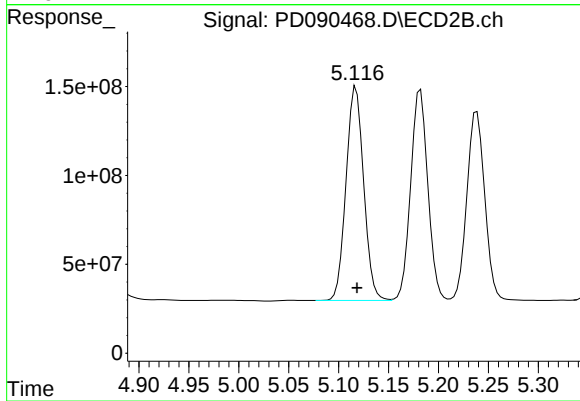
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1323940148
Conc: 38.26 ng/ml



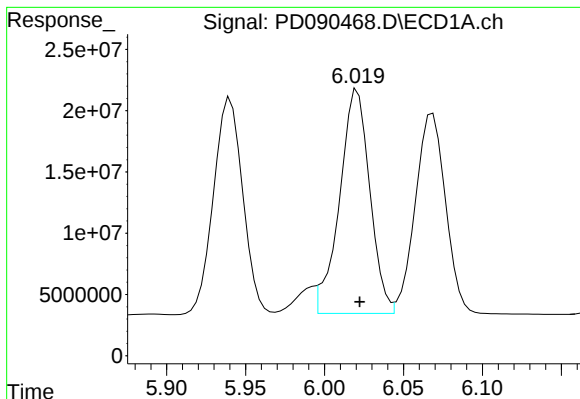
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 225009398
Conc: 39.39 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1477837427
Conc: 37.62 ng/ml



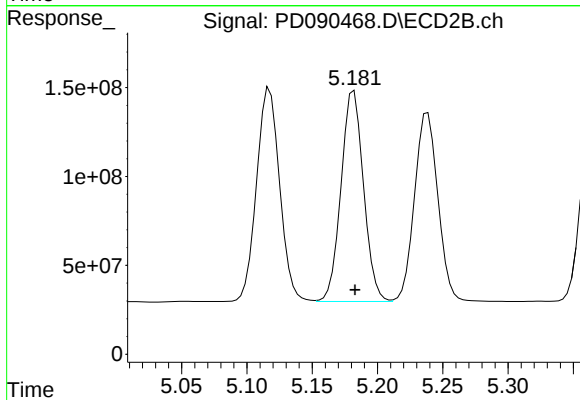
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 242739712
Conc: 42.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

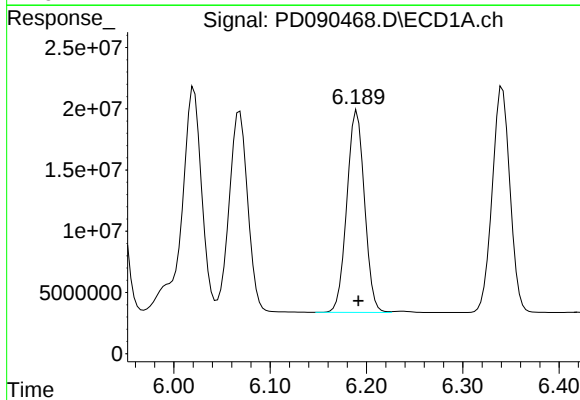
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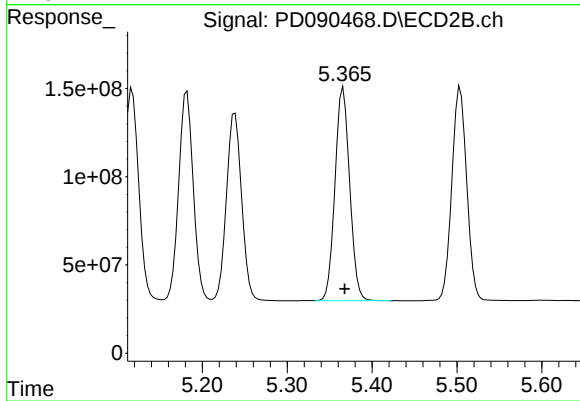
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1420762410
Conc: 37.72 ng/ml



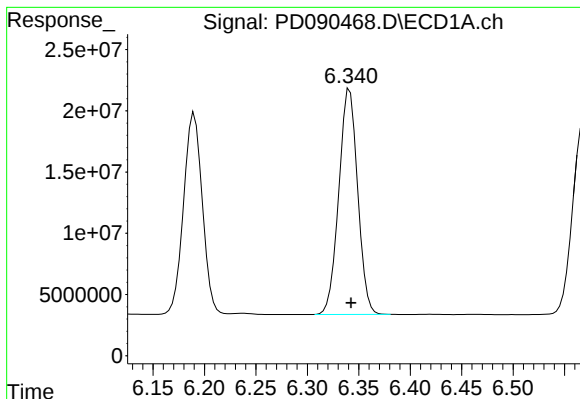
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 208697888
Conc: 40.08 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1452555273
Conc: 37.95 ng/ml



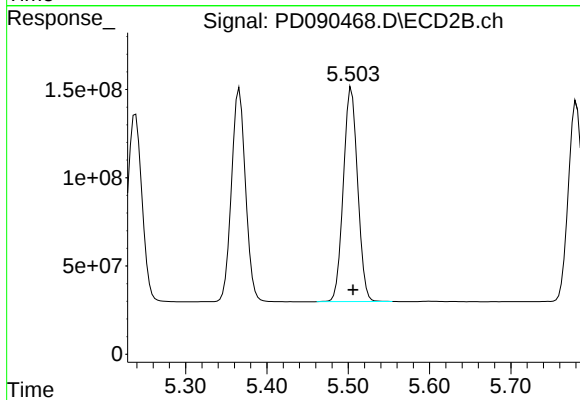
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.001 min
Response: 234910788
Conc: 40.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

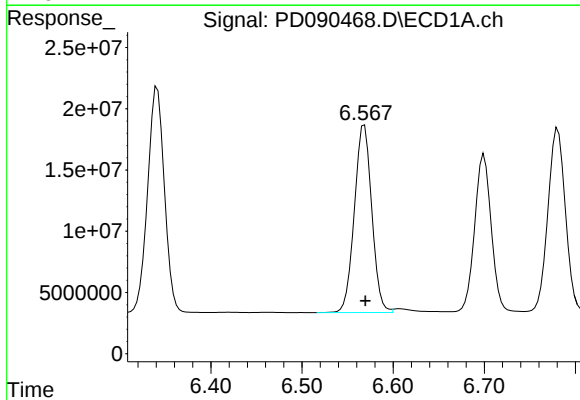
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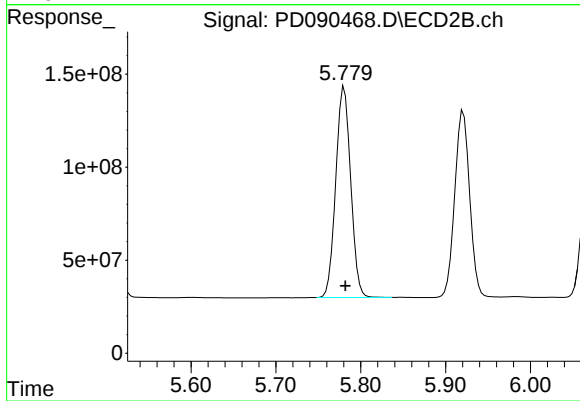
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1477943852
Conc: 37.95 ng/ml



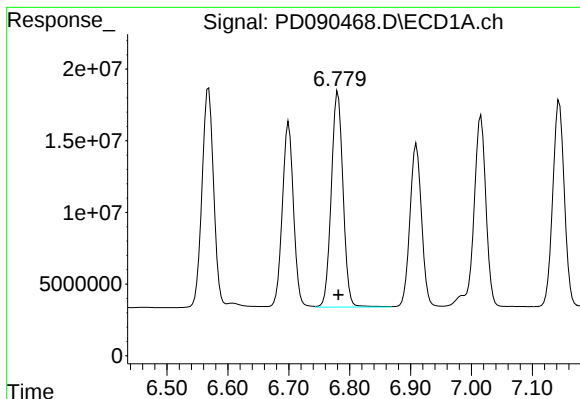
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 203083133
Conc: 41.50 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1384623293
Conc: 38.64 ng/ml



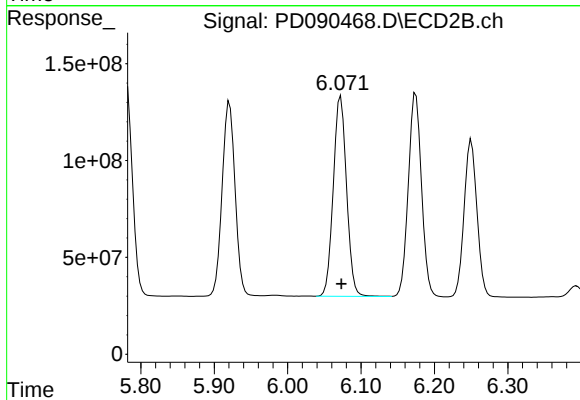
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 202297477
Conc: 41.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

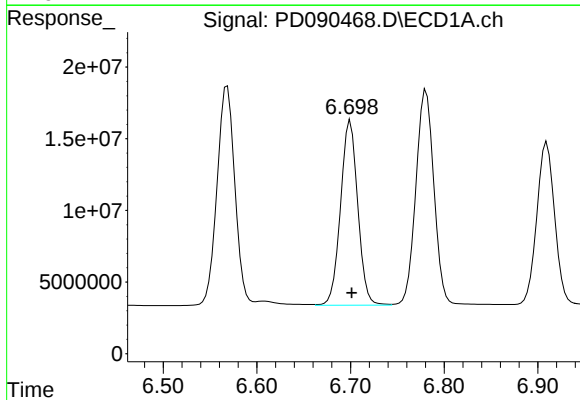
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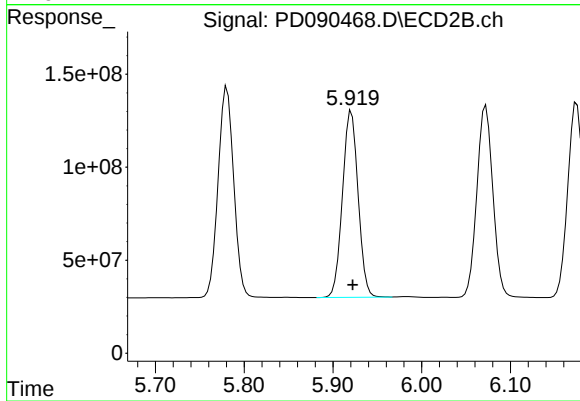
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1300779044
Conc: 38.54 ng/ml



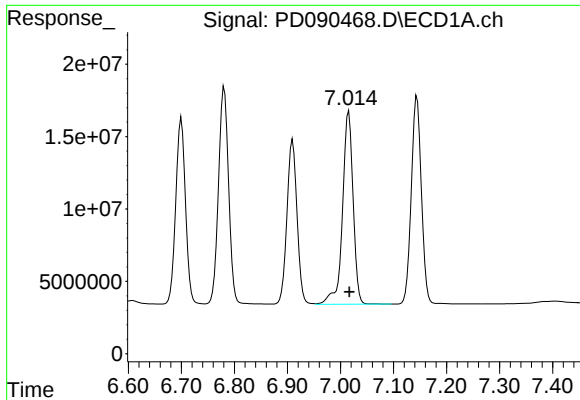
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 164962666
Conc: 40.26 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1225942182
Conc: 37.81 ng/ml



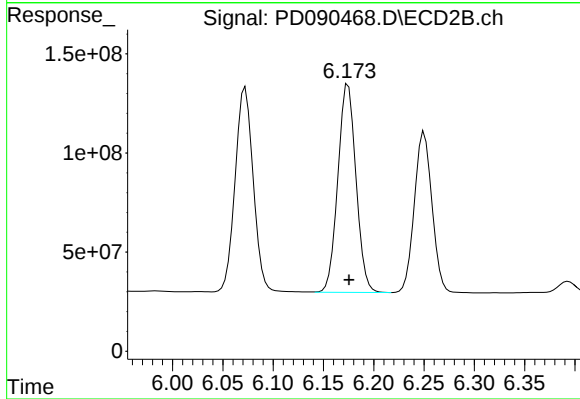
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 185081764
Conc: 41.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

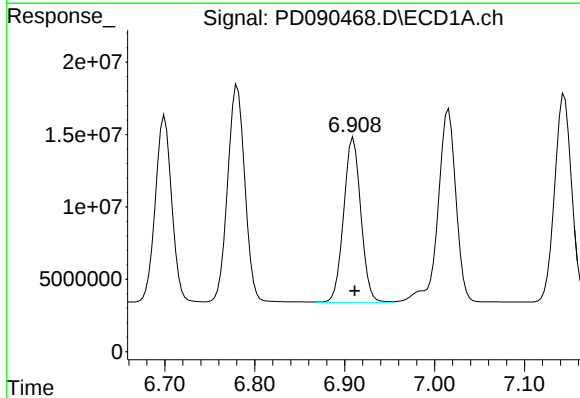
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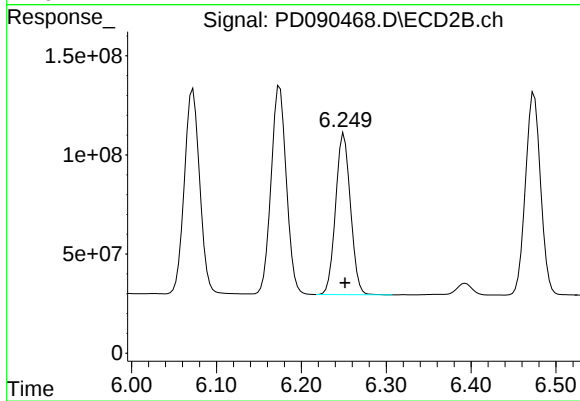
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.001 min
Response: 1315228498
Conc: 38.26 ng/ml



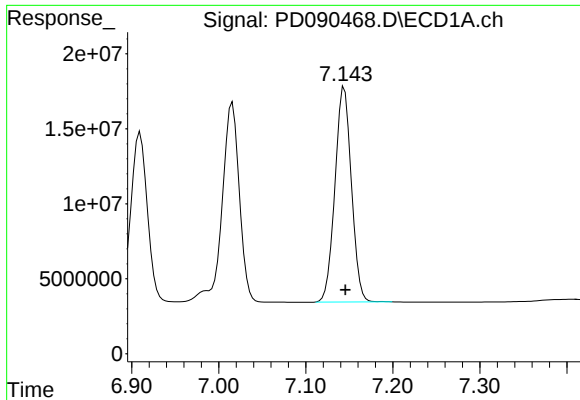
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 151307204
Conc: 44.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.001 min
Response: 988051125
Conc: 41.96 ng/ml



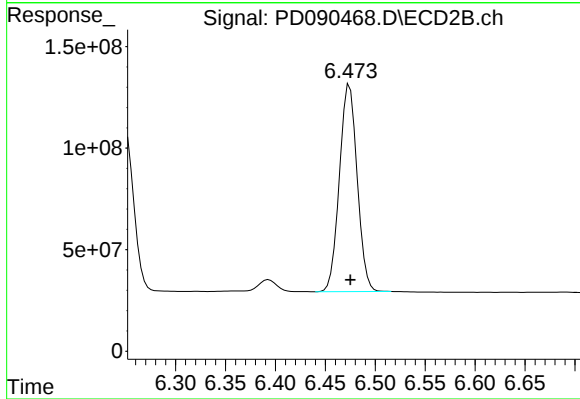
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 188493094
Conc: 40.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

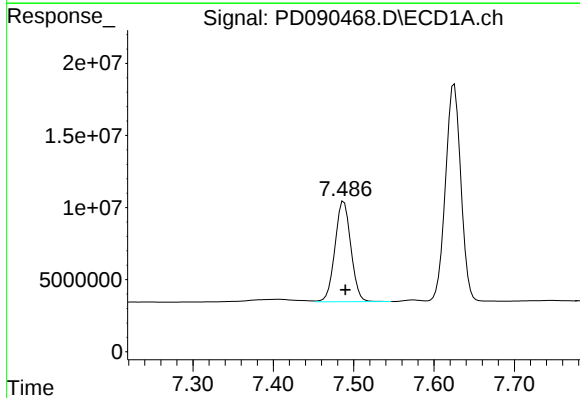
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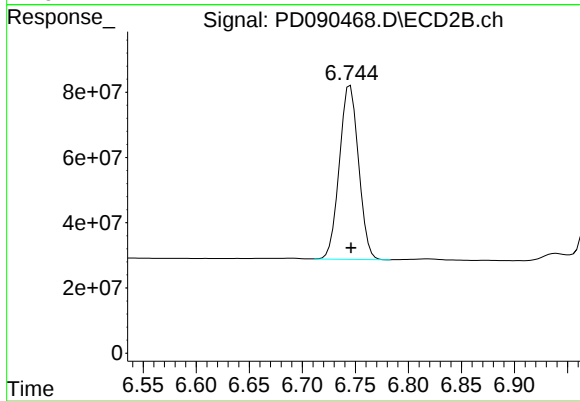
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1262133431
Conc: 38.61 ng/ml



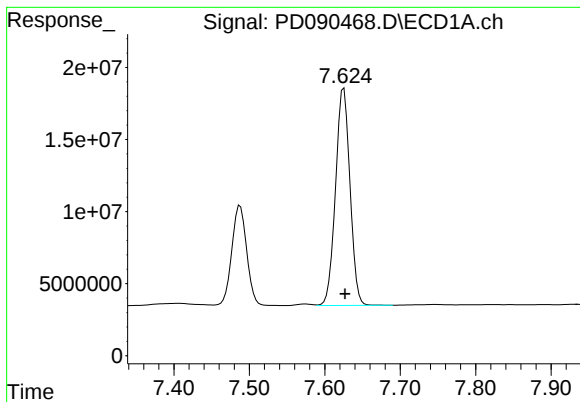
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 95899826
Conc: 40.70 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 670253781
Conc: 38.52 ng/ml



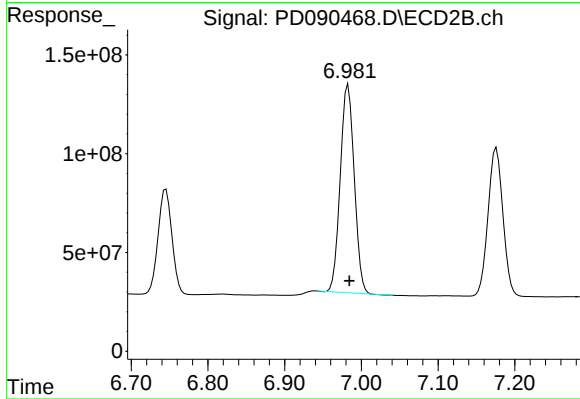
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 200929660
Conc: 40.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-1MS

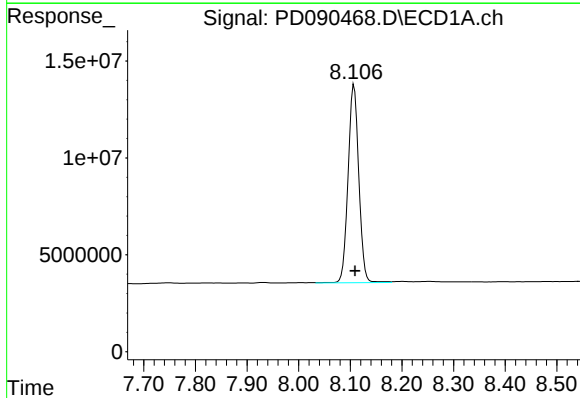
Manual Integrations
APPROVED

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



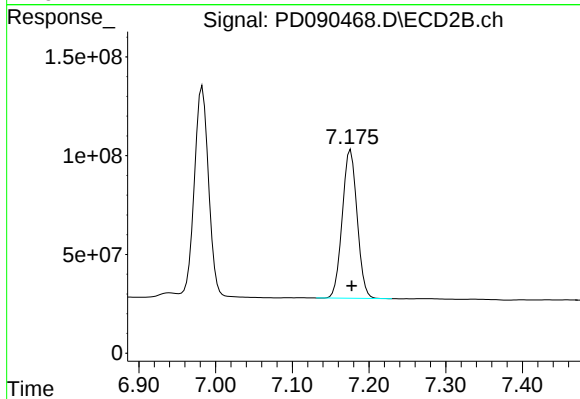
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1334064628
Conc: 36.95 ng/ml



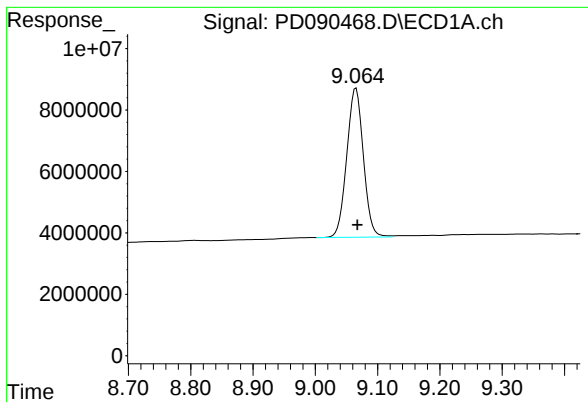
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 147524623
Conc: 39.82 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.001 min
Response: 1013745383
Conc: 36.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 90319546
Conc: 18.72 ng/ml

Instrument :

ECD_D

ClientSampleId :

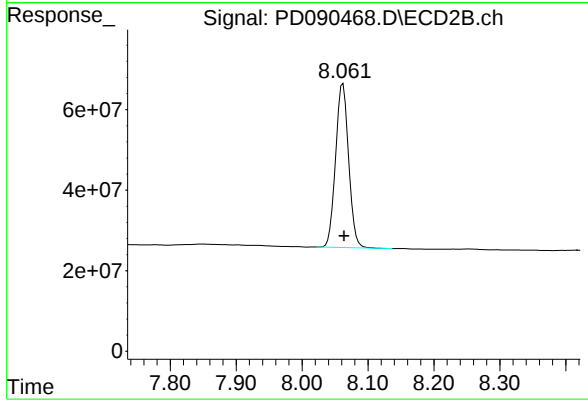
WC-1MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 559041733
Conc: 17.25 ng/ml