

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD043025\
 Data File : PD088358.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 14:14
 Operator : AR\AJ
 Sample : Q1912-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-EMS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 01 00:23:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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...	3.551	2.883	37272608	276.5E6	18.661	18.912
28) SA Decachlor...	9.077	8.075	93188075	276.4E6	28.170m	14.958 #
Target Compounds						
2) A alpha-BHC	4.000	3.395	219.8E6	1050.9E6	50.972	45.966
3) MA gamma-BHC...	4.331	3.732	219.2E6	937.0E6	52.356	43.505
4) MA Heptachlor	4.929	4.085	197.7E6	921.5E6	48.945m	43.064
5) MB Aldrin	5.272	4.370	203.5E6	904.7E6	51.534	43.488m
6) B beta-BHC	4.516	4.026	68562863	427.1E6	42.235	46.157m
7) B delta-BHC	4.764	4.264	209.7E6	954.7E6	50.845	44.904
8) B Heptachlo...	5.692	4.875	172.5E6	845.9E6	48.254	44.772
9) A Endosulfan I	6.075	5.251	192.4E6	843.7E6	56.971	46.840
10) B gamma-Chl...	5.947	5.129	184.2E6	921.8E6	50.857	45.416
11) B alpha-Chl...	6.029	5.193	182.6E6	887.9E6	50.591	45.295
12) B 4,4'-DDE	6.196	5.377	132.3E6	789.9E6	40.111m	40.106m
13) MA Dieldrin	6.348	5.514	177.3E6	945.0E6	49.675	47.408m
14) MA Endrin	6.576	5.790	150.4E6	837.5E6	50.435	46.009m
15) B Endosulfa...	6.788	6.082	138.8E6	763.9E6	44.397	43.600m
16) A 4,4'-DDD	6.704	5.932	134.5E6	650.0E6	53.462m	39.666m#
17) MA 4,4'-DDT	7.022	6.186	118.5E6	587.7E6	42.647	34.537
18) B Endrin al...	6.916	6.260	117.6E6	541.3E6	50.956	40.697m
19) B Endosulfa...	7.149	6.484	138.5E6	664.4E6	48.168m	38.780m
20) A Methoxychlor	7.493	6.757	60359433	305.5E6	40.252m	33.498
21) B Endrin ke...	7.630	6.992	145.9E6	648.1E6	47.270m	34.648m#
22) Mirex	8.113	7.187	143.5E6	512.9E6	61.120m	34.605m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD043025\
Data File : PD088358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 14:14
Operator : AR\AJ
Sample : Q1912-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

MH-EMS

Manual Integrations

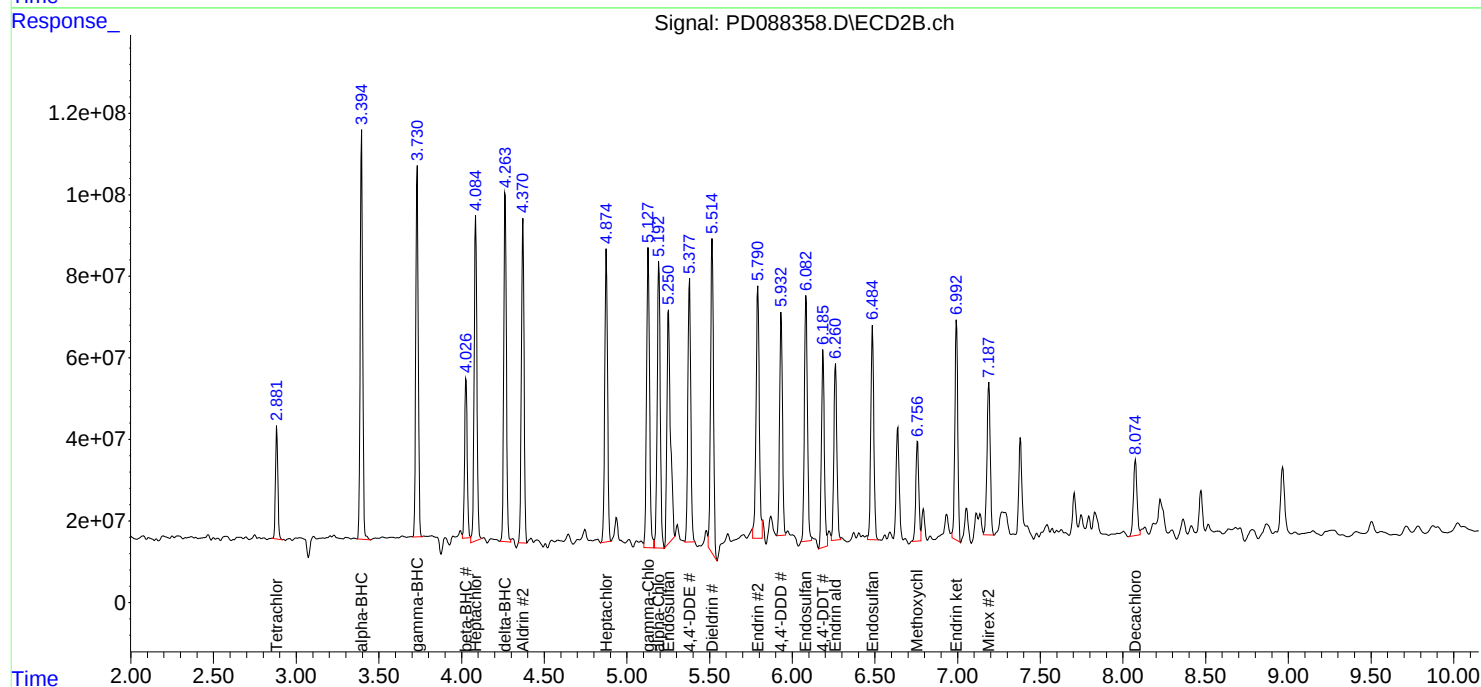
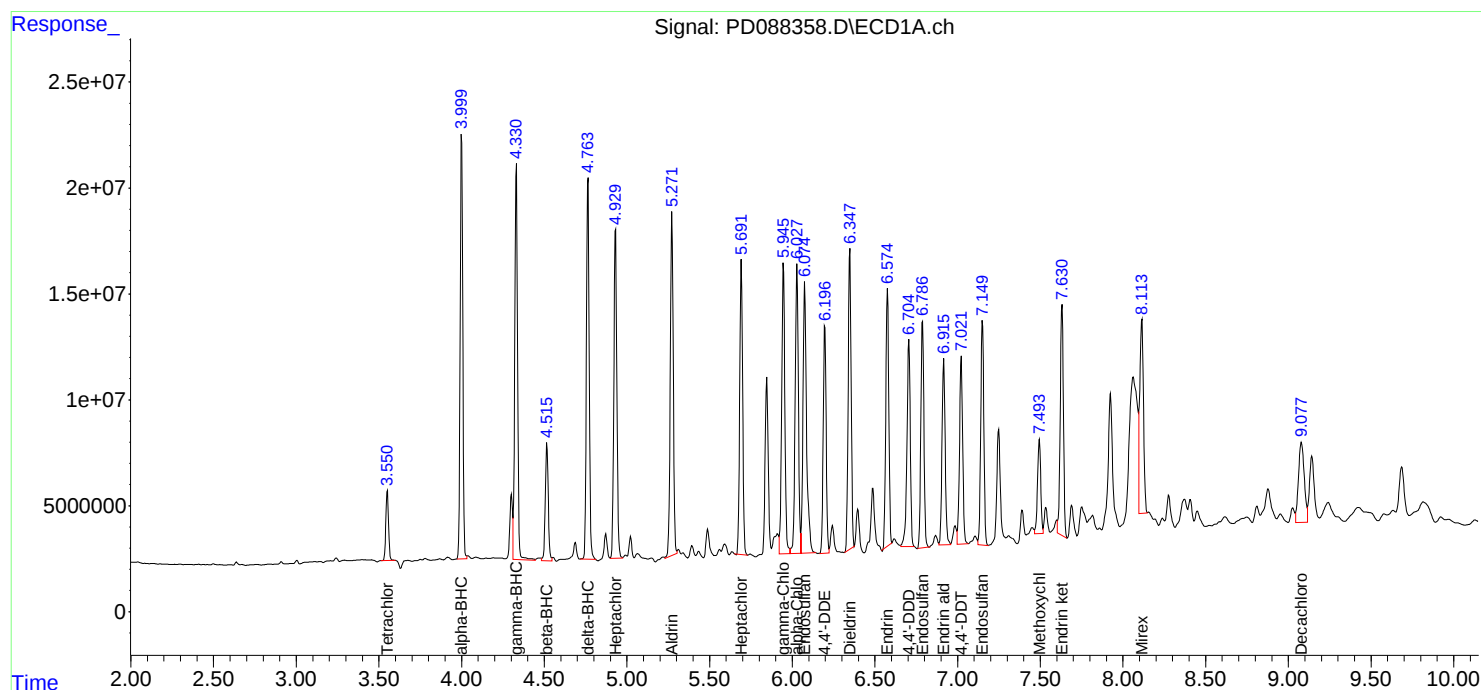
APPROVED

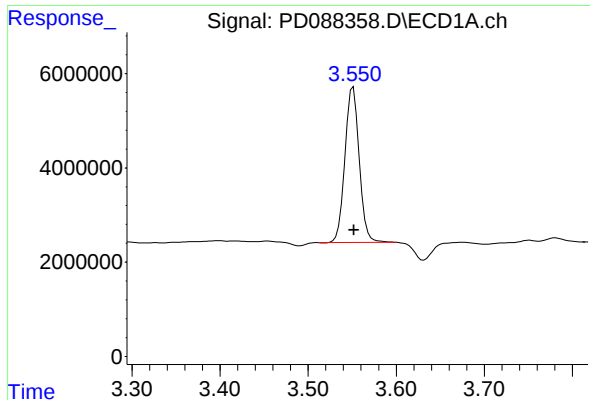
Reviewed By :Abdul Mirza 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 00:23:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





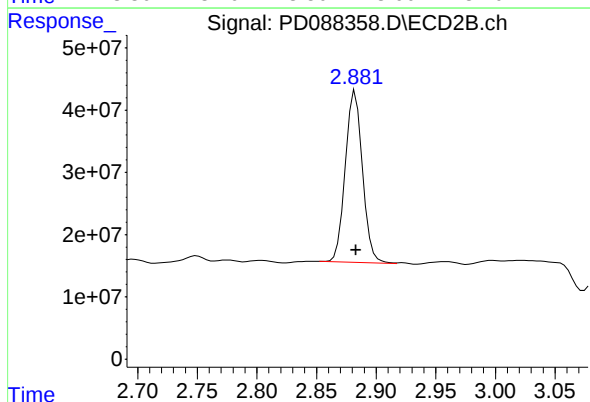
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 37272608
Conc: 18.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

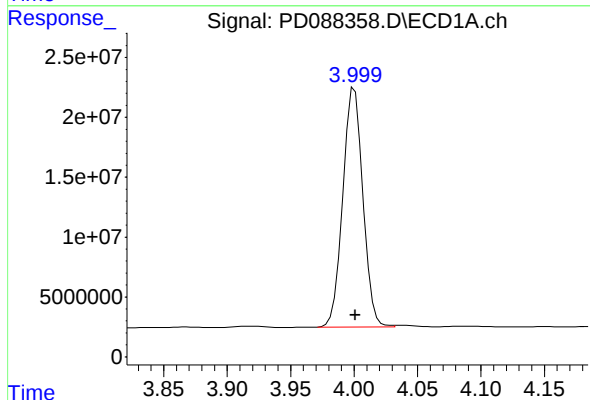
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



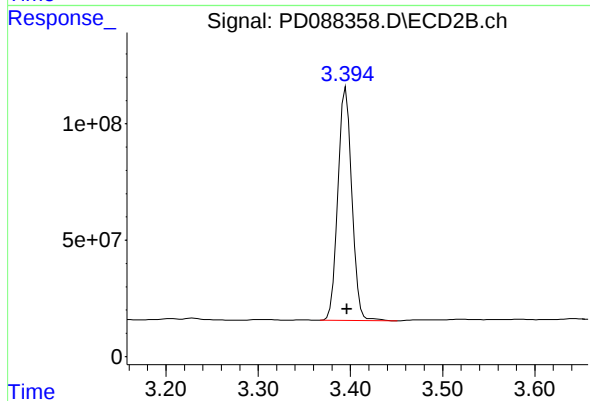
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 276525700
Conc: 18.91 ng/ml



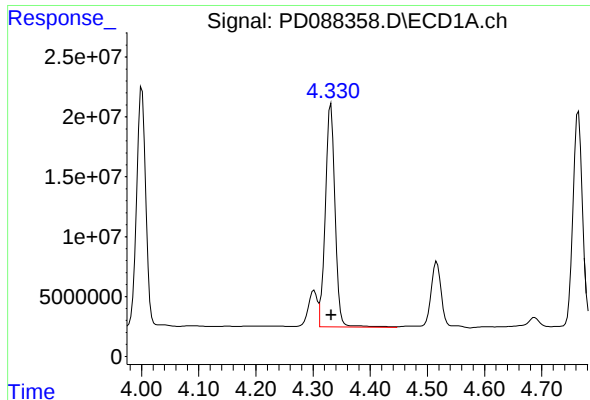
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 219789379
Conc: 50.97 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1050853820
Conc: 45.97 ng/ml



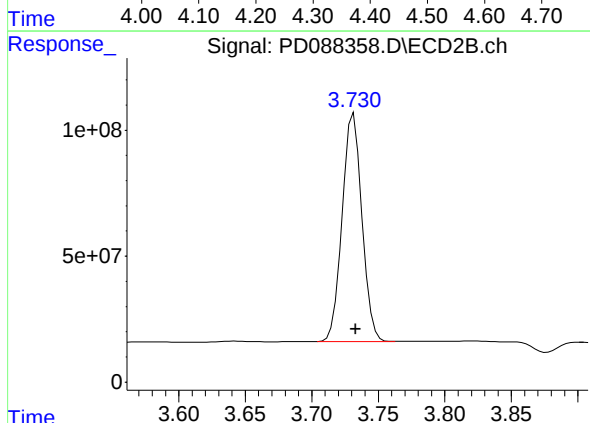
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 219242378
Conc: 52.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

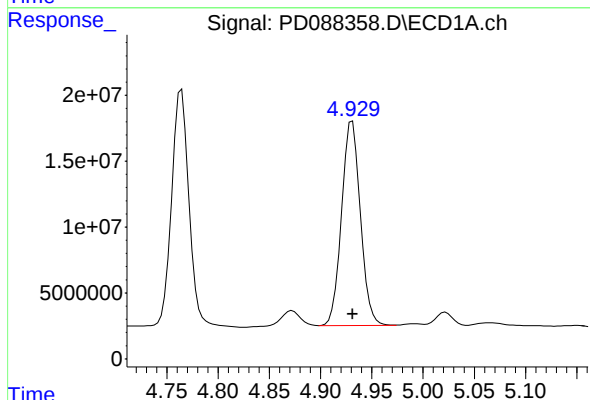
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



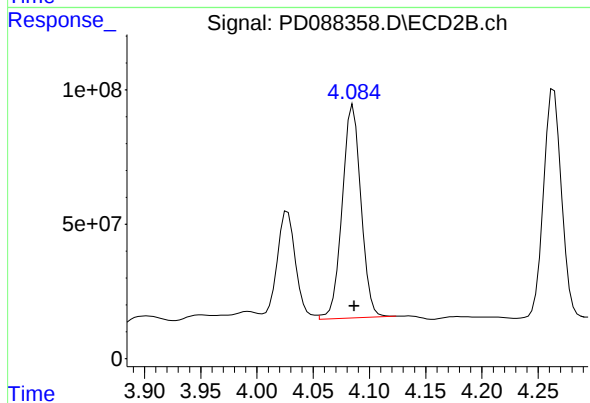
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 937043941
Conc: 43.51 ng/ml



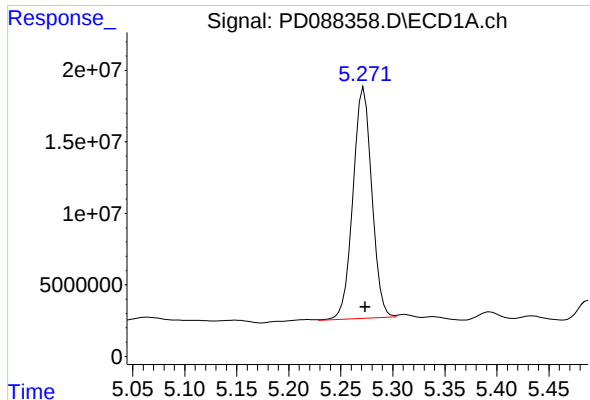
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.002 min
Response: 197686736
Conc: 48.95 ng/ml m



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 921486441
Conc: 43.06 ng/ml



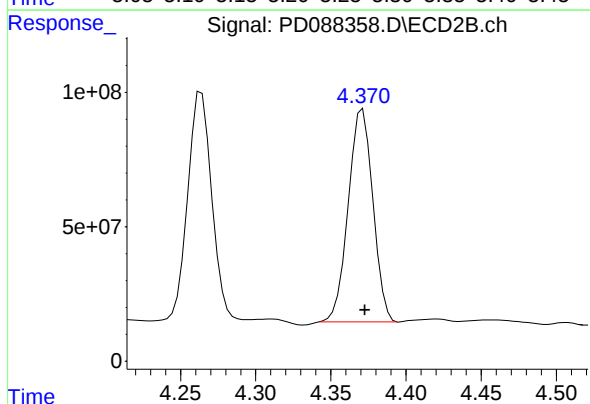
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: -0.001 min
Response: 203537034
Conc: 51.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

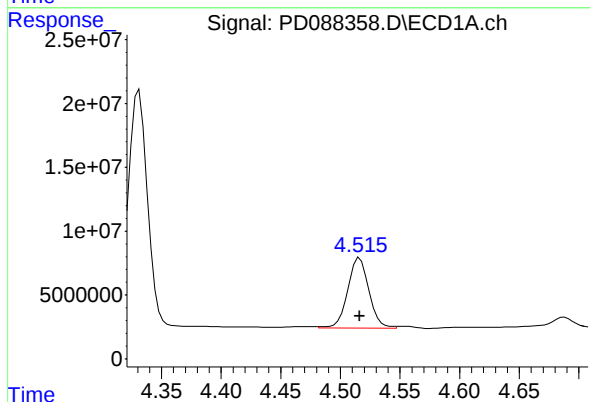
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



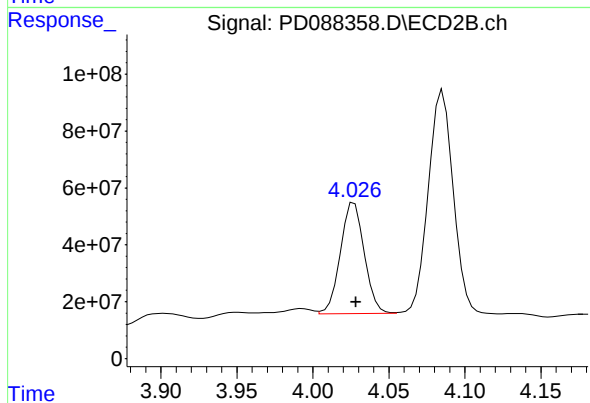
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.003 min
Response: 904680281
Conc: 43.49 ng/ml



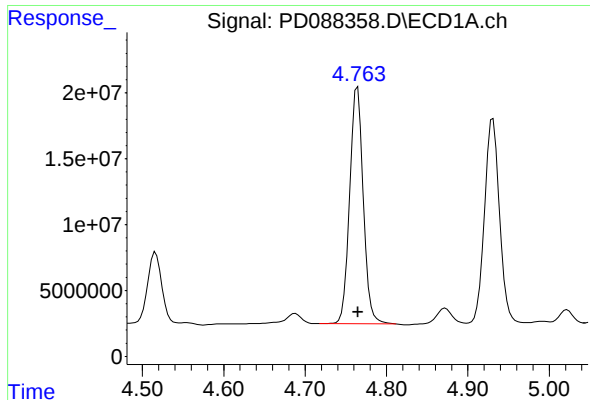
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 68562863
Conc: 42.23 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.003 min
Response: 427140378
Conc: 46.16 ng/ml



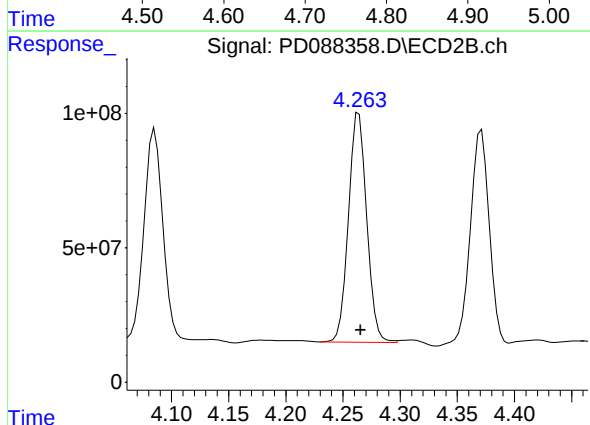
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 209734901
Conc: 50.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

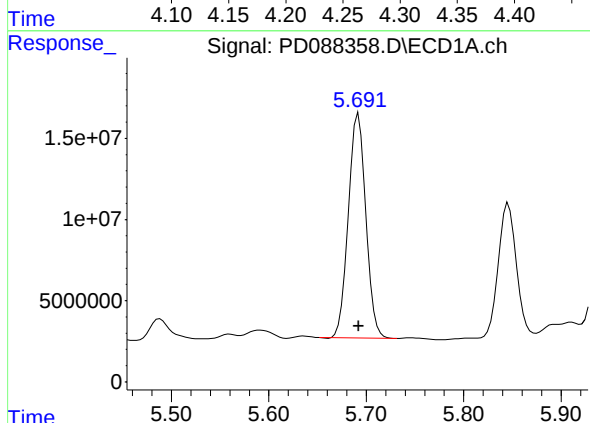
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



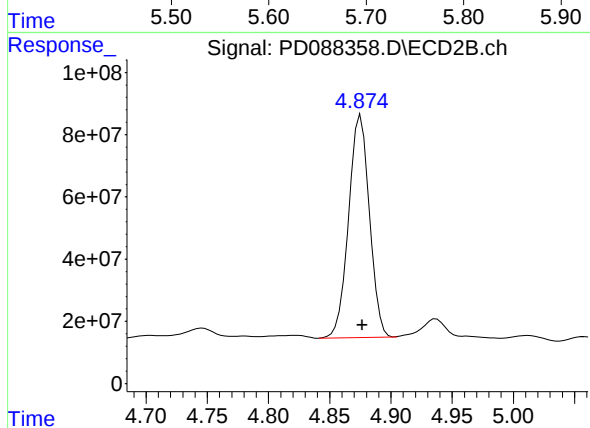
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: -0.001 min
Response: 954738749
Conc: 44.90 ng/ml



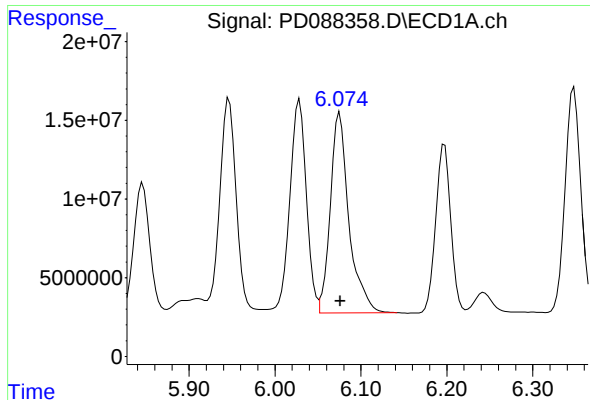
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 172455939
Conc: 48.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.001 min
Response: 845930644
Conc: 44.77 ng/ml



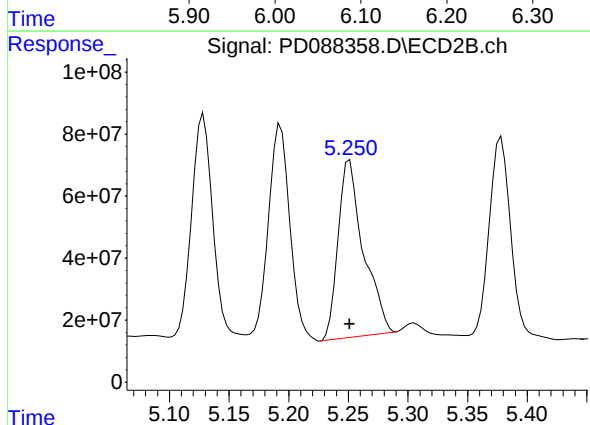
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 192400548
Conc: 56.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

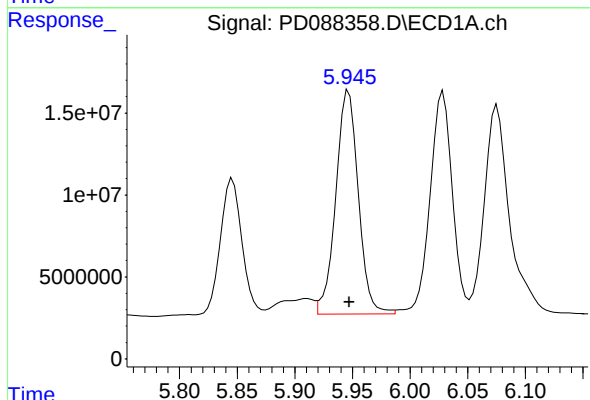
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



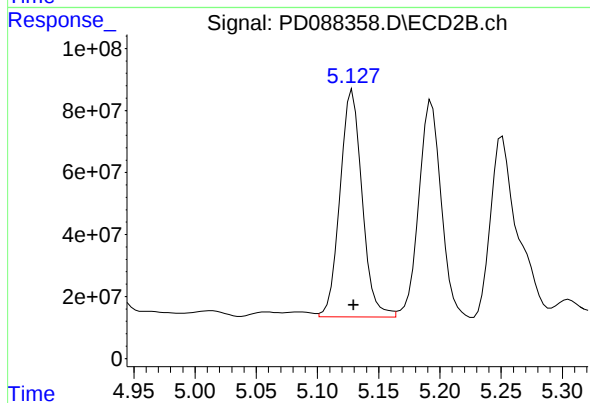
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 843695466
Conc: 46.84 ng/ml



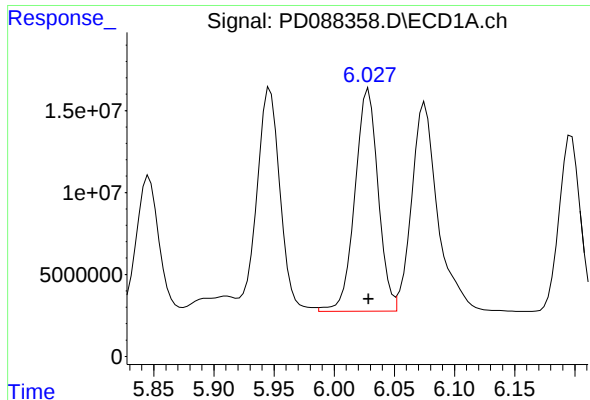
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 184207018
Conc: 50.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 921772438
Conc: 45.42 ng/ml



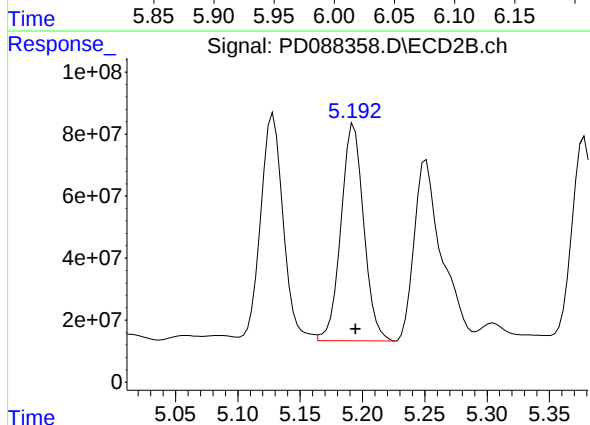
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 182613151
Conc: 50.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

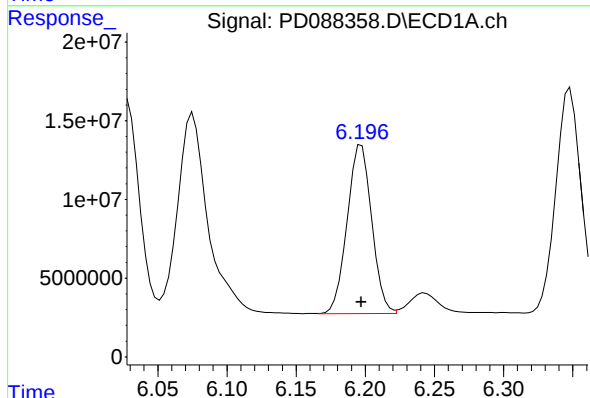
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



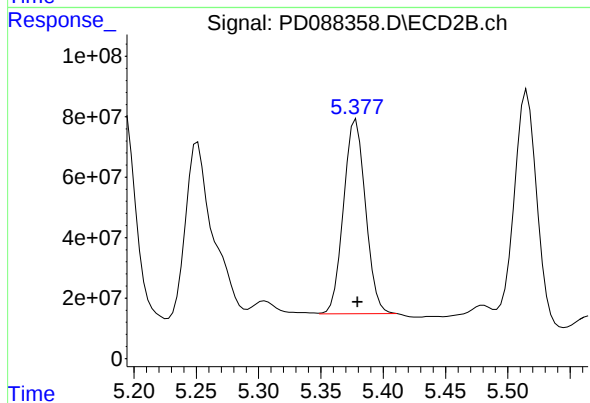
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: -0.001 min
Response: 887915955
Conc: 45.30 ng/ml



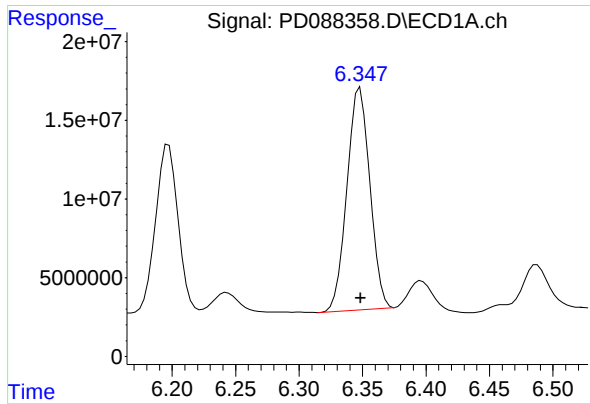
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: -0.001 min
Response: 132296343
Conc: 40.11 ng/ml m



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 789851768
Conc: 40.11 ng/ml m



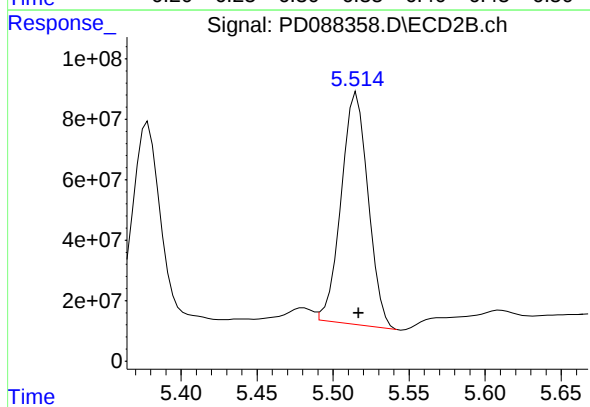
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 177266197
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

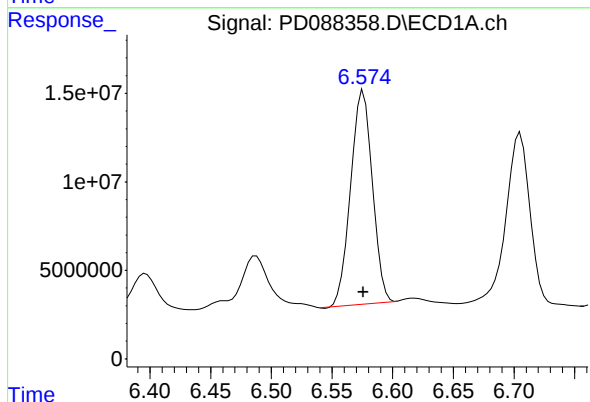
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



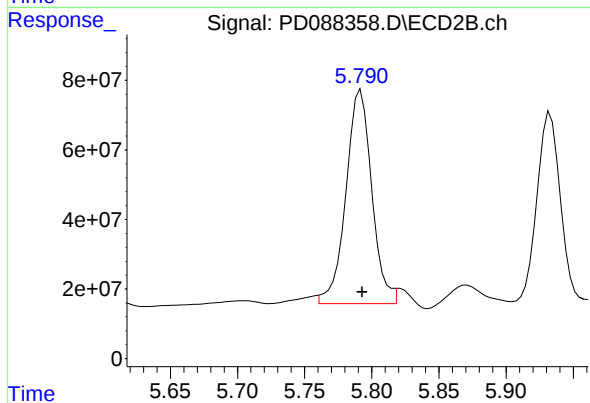
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.003 min
Response: 944980861
Conc: 47.41 ng/ml m



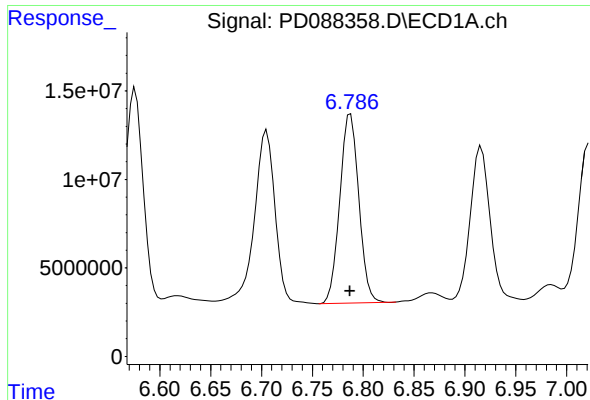
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 150427093
Conc: 50.44 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 837462959
Conc: 46.01 ng/ml m



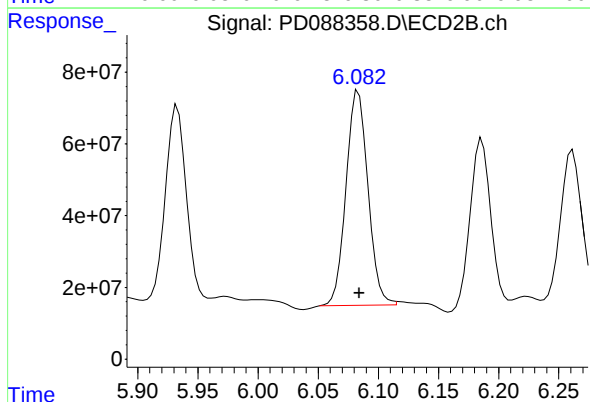
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 138793234
Conc: 44.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

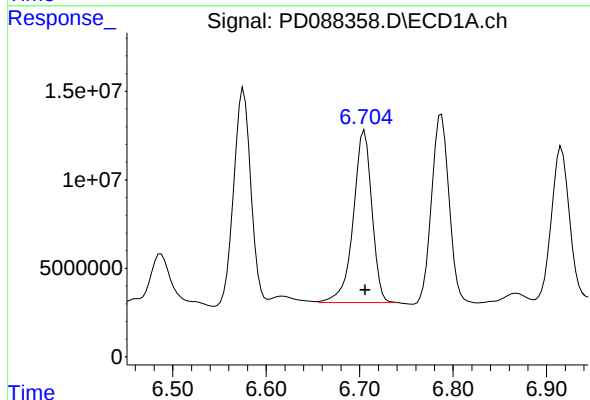
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



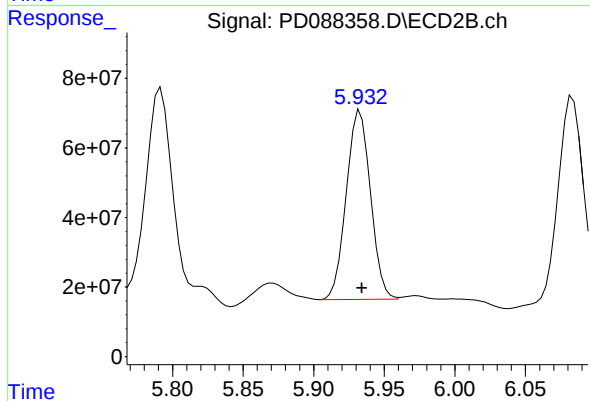
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 763940170
Conc: 43.60 ng/ml m



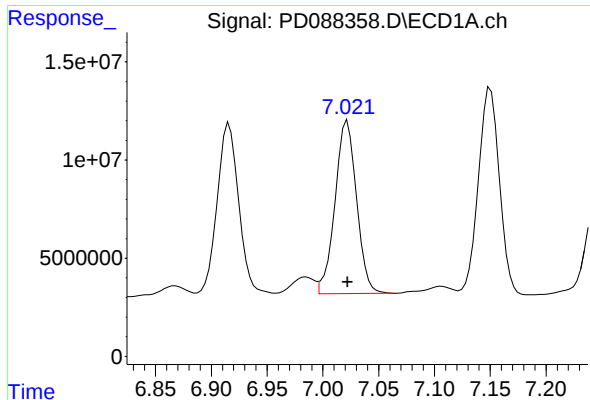
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 134455839
Conc: 53.46 ng/ml m



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.003 min
Response: 649971580
Conc: 39.67 ng/ml m



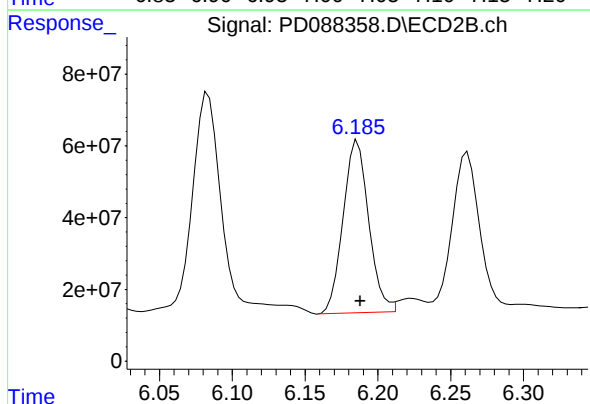
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 118454889
Conc: 42.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

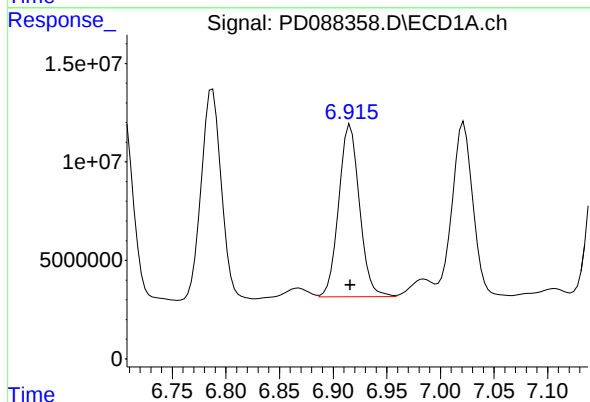
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



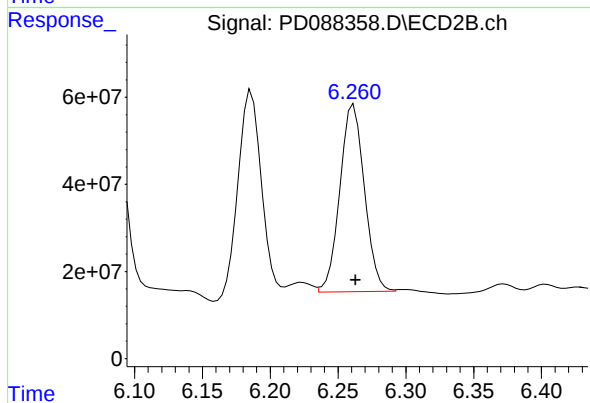
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 587697492
Conc: 34.54 ng/ml



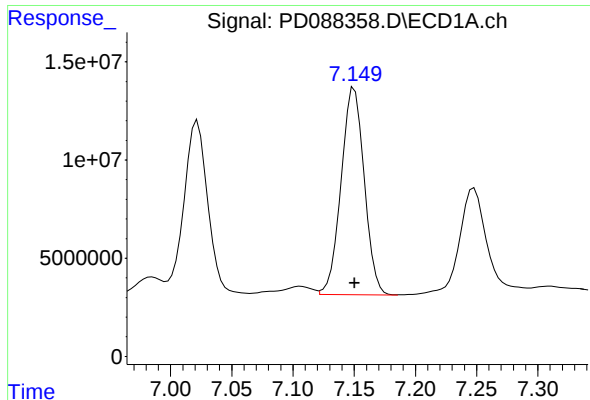
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 117605358
Conc: 50.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 541314950
Conc: 40.70 ng/ml m



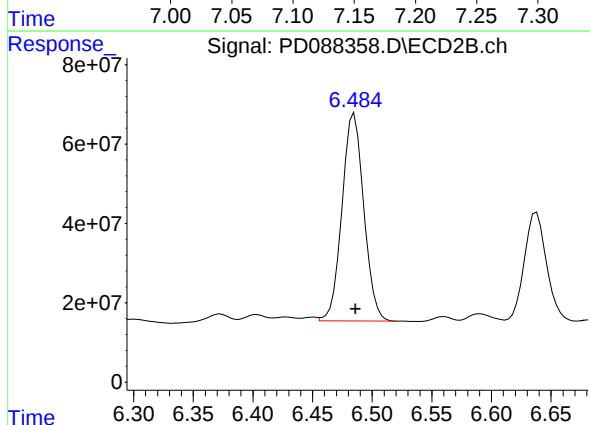
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 138524827
Conc: 48.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

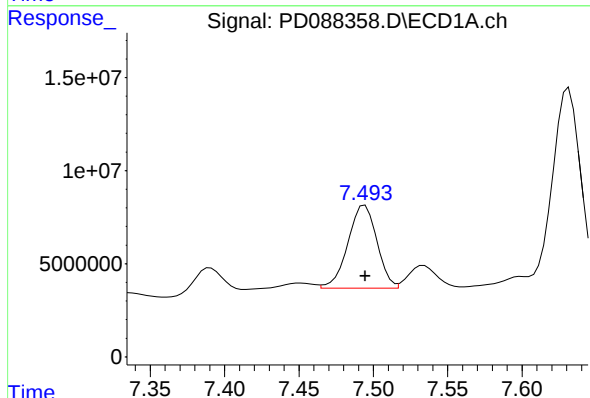
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



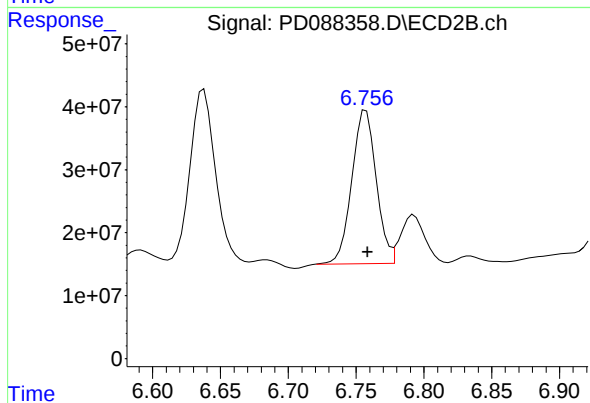
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 664430849
Conc: 38.78 ng/ml



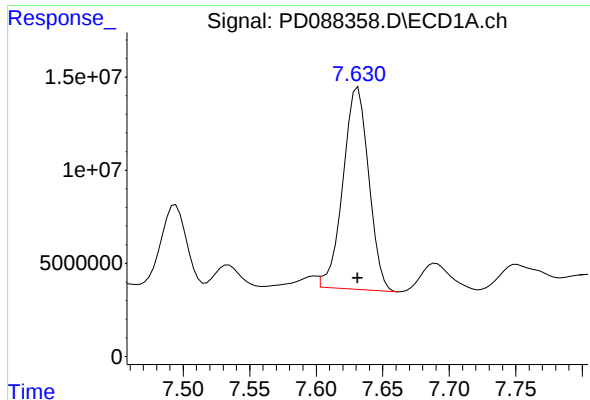
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 60359433
Conc: 40.25 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 305536495
Conc: 33.50 ng/ml



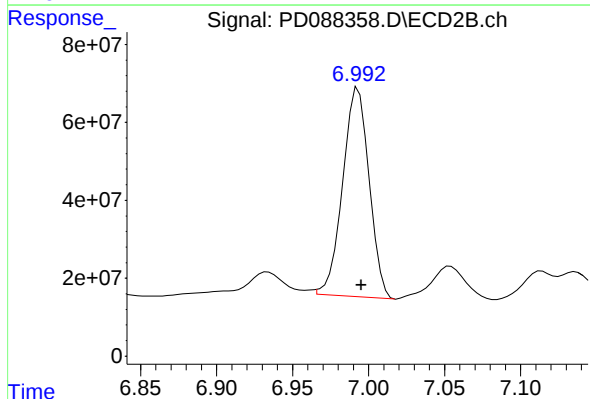
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 145903515
Conc: 47.27 ng/ml m

Instrument :
ECD_D
ClientSampleId :
MH-EMS

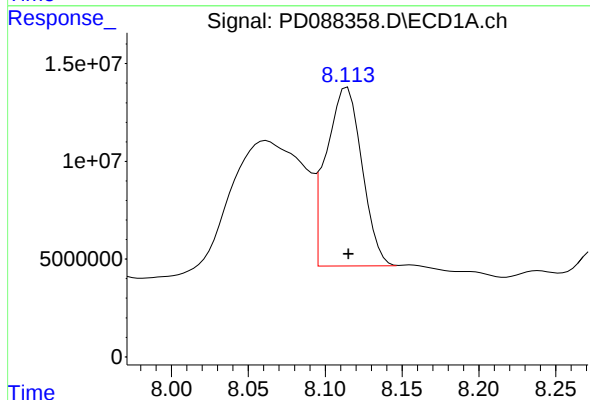
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



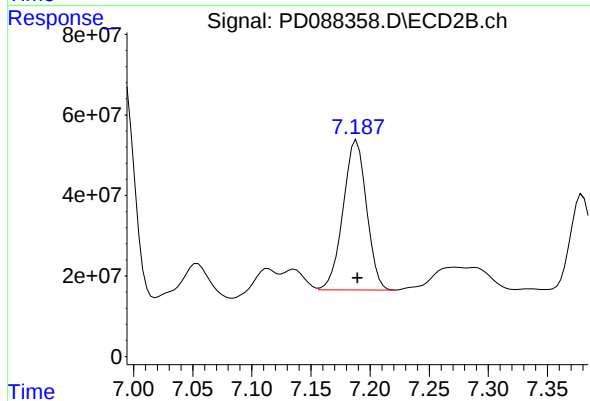
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 648065100
Conc: 34.65 ng/ml m



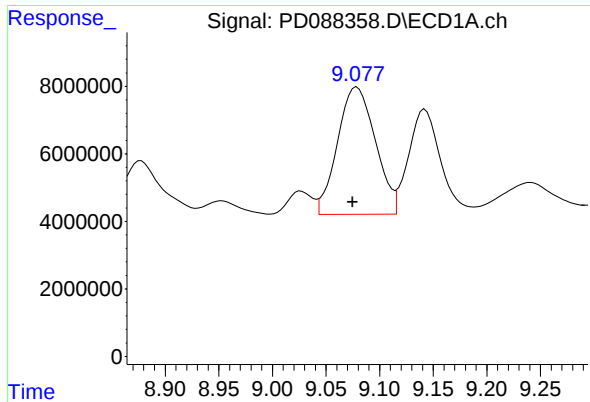
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 143529456
Conc: 61.12 ng/ml m



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 512884584
Conc: 34.61 ng/ml m



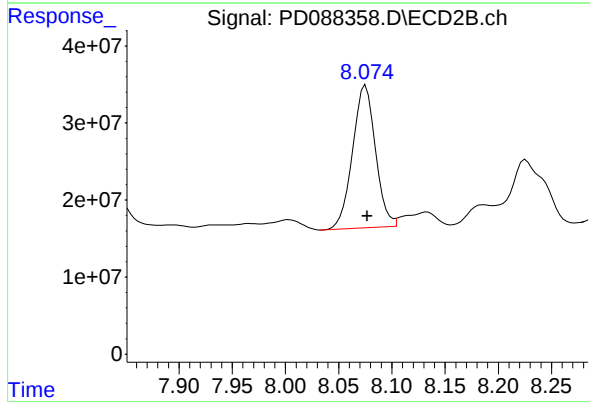
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.003 min
Response: 93188075
Conc: 28.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-EMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 276412430
Conc: 14.96 ng/ml