

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
 Data File : PD089567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 11:20
 Operator : AR\AJ
 Sample : Q2578-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-A5-01-CMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:47:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 22 04:39:29 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...	3.548	2.878	44505658	311.5E6	15.446	15.922m
28)	SA Decachlor...	9.069	8.068	85858628	511.2E6	20.905	20.807
Target Compounds							
2)	A alpha-BHC	3.997	3.391	259.8E6	1416.5E6	45.500	47.147
3)	MA gamma-BHC...	4.328	3.727	267.8E6	1210.9E6	48.529	43.615
4)	MA Heptachlor	4.926	4.078	250.0E6	1250.8E6	45.846	44.642m
5)	MB Aldrin	5.268	4.365	238.5E6	1196.1E6	45.582	43.676
6)	B beta-BHC	4.515	4.021	78682903	529.6E6	36.492	44.496m
7)	B delta-BHC	4.762	4.259	252.3E6	1278.5E6	47.739	45.831
8)	B Heptachlo...	5.688	4.869	220.6E6	1152.6E6	46.703	46.362
9)	A Endosulfan I	6.071	5.243	220.0E6	988.6E6	49.482	41.632
10)	B gamma-Chl...	5.943	5.120	223.1E6	1252.1E6	47.048	46.801m
11)	B alpha-Chl...	6.024	5.186	220.6E6	1188.4E6	46.278	46.077
12)	B 4,4'-DDE	6.193	5.371	196.7E6	1183.1E6	45.813	45.061
13)	MA Dieldrin	6.344	5.509	228.0E6	1364.8E6	48.290	51.646
14)	MA Endrin	6.571	5.785	195.4E6	1155.4E6	47.977	47.781
15)	B Endosulfa...	6.784	6.077	148.9E6	884.7E6	36.595	38.521
16)	A 4,4'-DDD	6.701	5.926	161.6E6	1173.1E6	47.683m	53.513
17)	MA 4,4'-DDT	7.018	6.180	182.7E6	1186.2E6	48.415	50.675
18)	B Endrin al...	6.910	6.255	148.9E6	834.0E6	51.058m	50.250
19)	B Endosulfa...	7.147	6.478	181.6E6	1058.9E6	48.108	47.701
20)	A Methoxychlor	7.491	6.750	95372377	585.0E6	47.570	47.986
21)	B Endrin ke...	7.627	6.987	196.4E6	1171.4E6	48.816	47.833
22)	Mirex	8.110	7.181	144.2E6	907.4E6	46.871	46.943

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072225\
Data File : PD089567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 11:20
Operator : AR\AJ
Sample : Q2578-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

WC-A5-01-CMSD

Manual Integrations

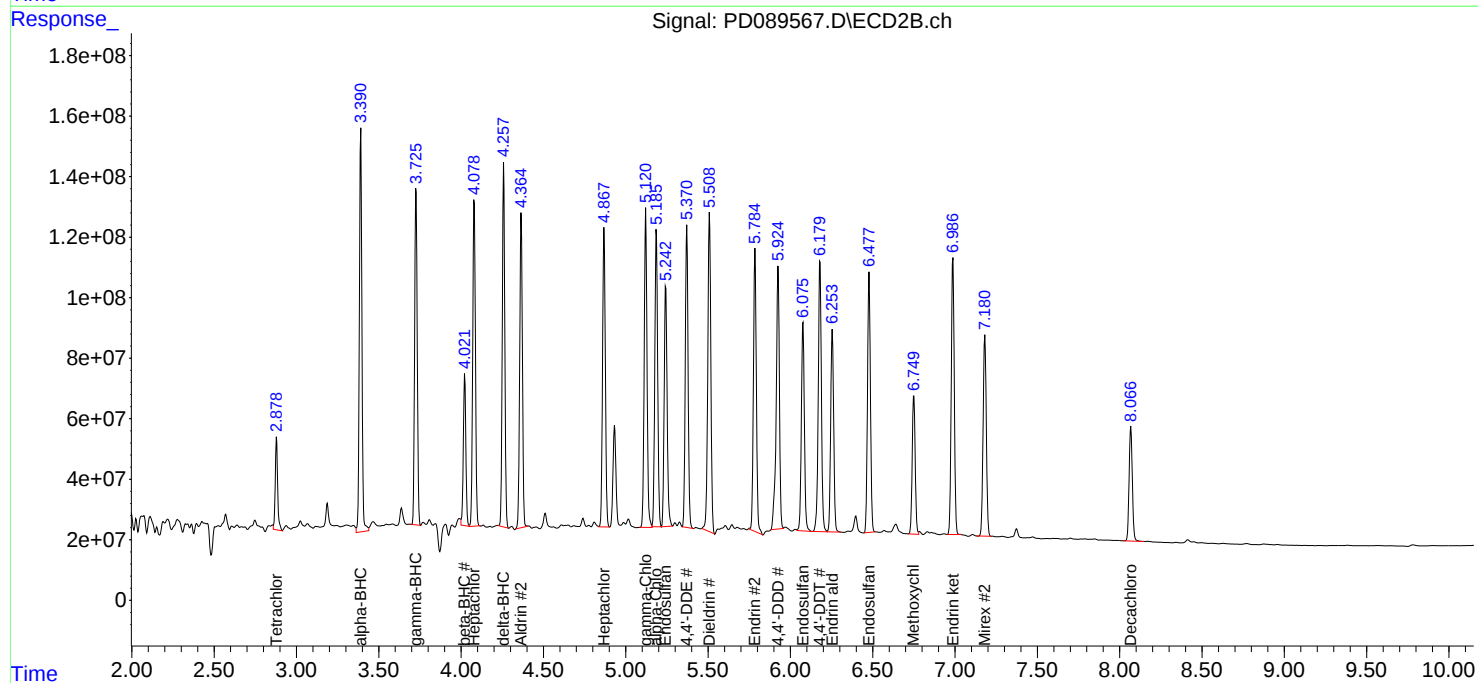
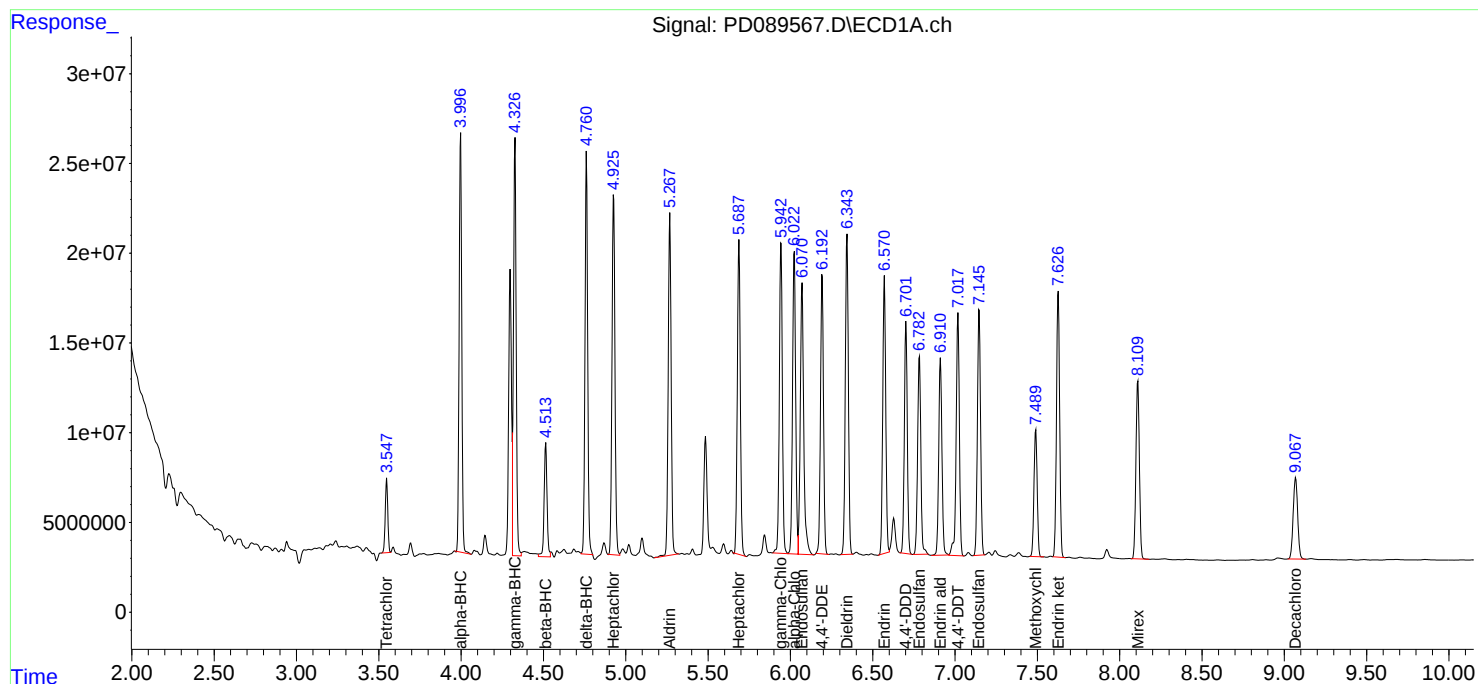
APPROVED

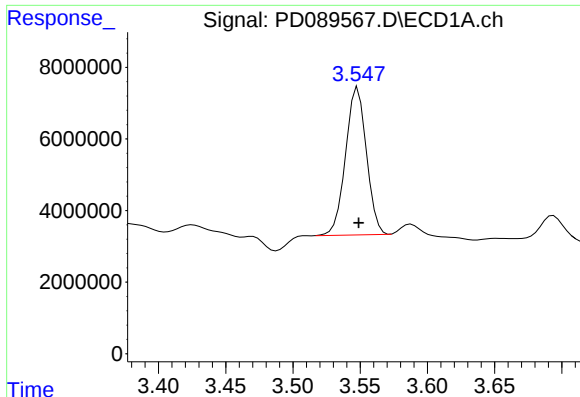
Reviewed By :Abdul Mirza 07/23/2025

Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 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





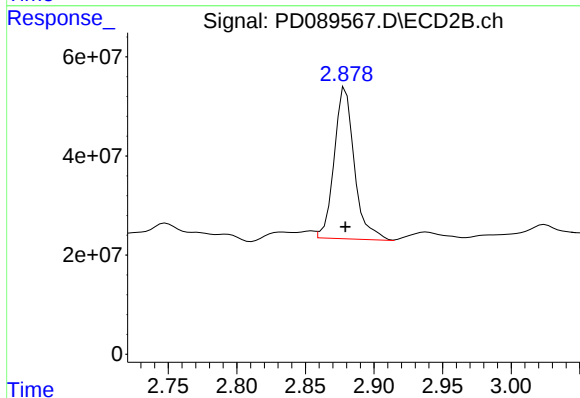
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 44505658
Conc: 15.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

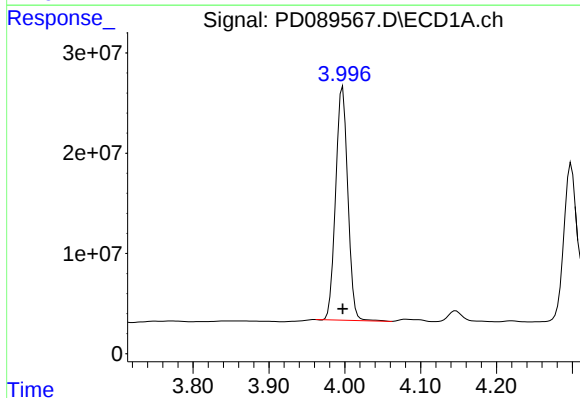
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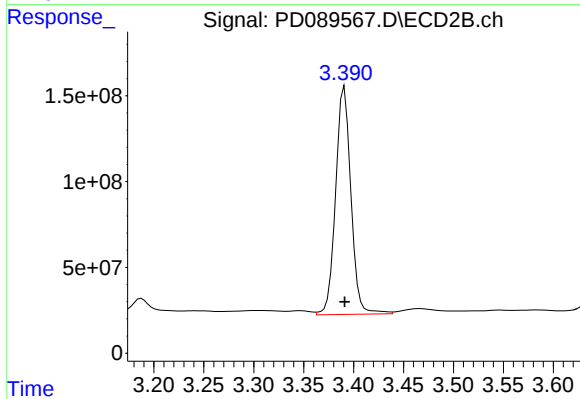
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.001 min
Response: 311524061
Conc: 15.92 ng/ml m



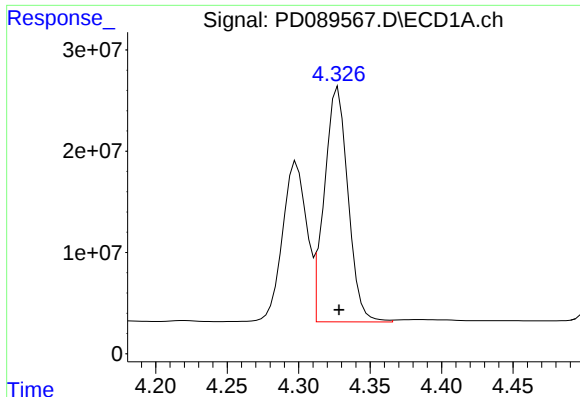
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 259789017
Conc: 45.50 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1416530460
Conc: 47.15 ng/ml



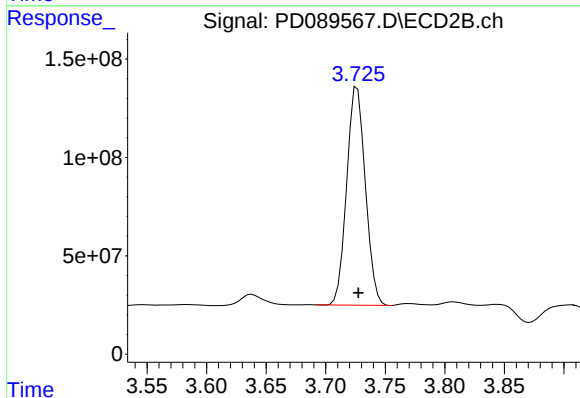
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 267753660
Conc: 48.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

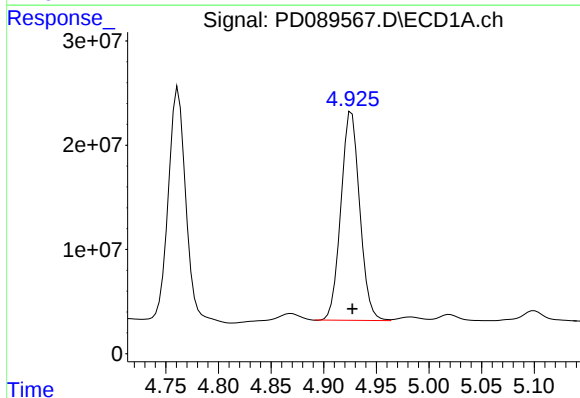
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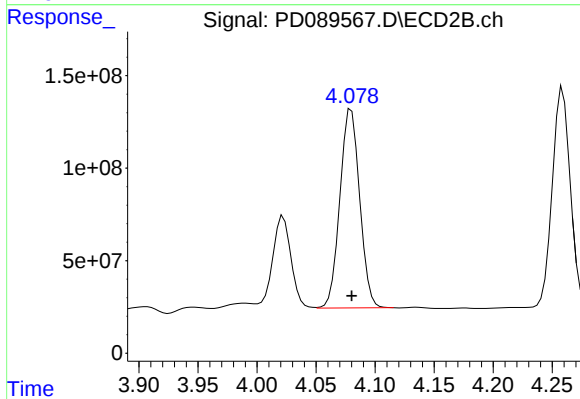
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1210858521
Conc: 43.62 ng/ml



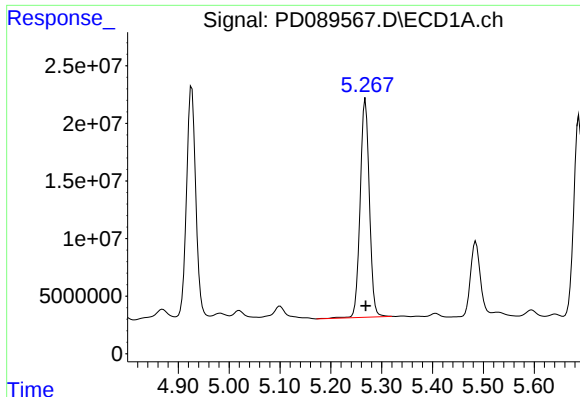
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 250040083
Conc: 45.85 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.002 min
Response: 1250799597
Conc: 44.64 ng/ml m



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: -0.001 min
Response: 238527369
Conc: 45.58 ng/ml

Instrument :

ECD_D

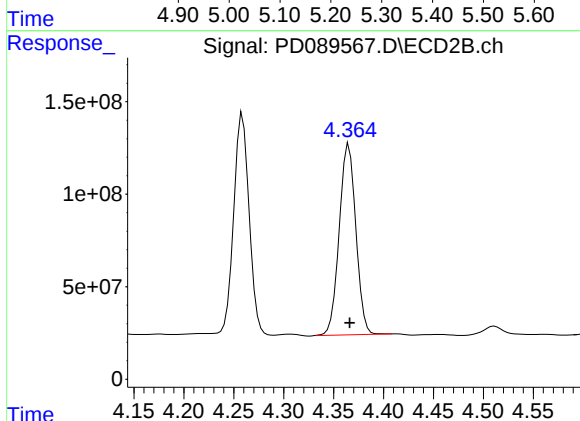
ClientSampleId :

WC-A5-01-CMSD

Manual Integrations

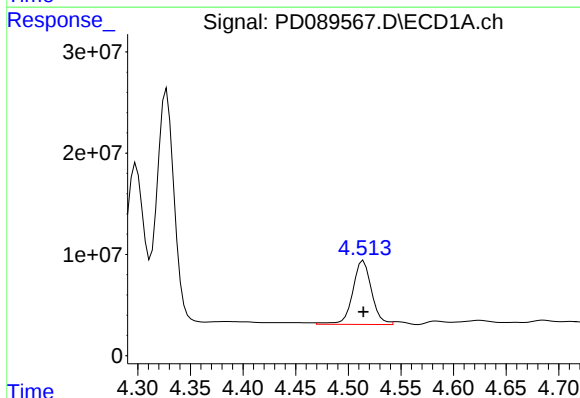
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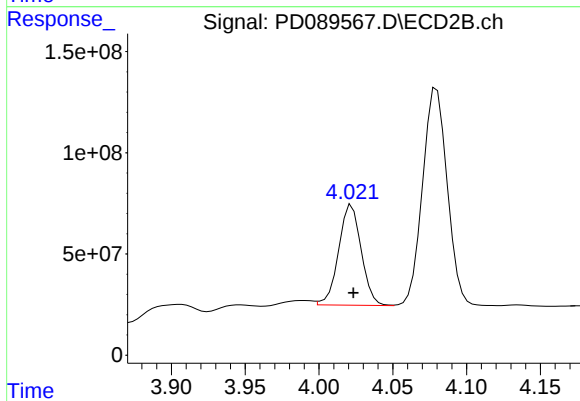
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1196123944
Conc: 43.68 ng/ml



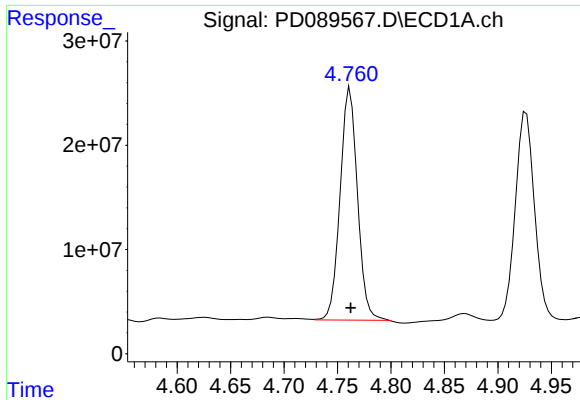
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 78682903
Conc: 36.49 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.003 min
Response: 529624052
Conc: 44.50 ng/ml m



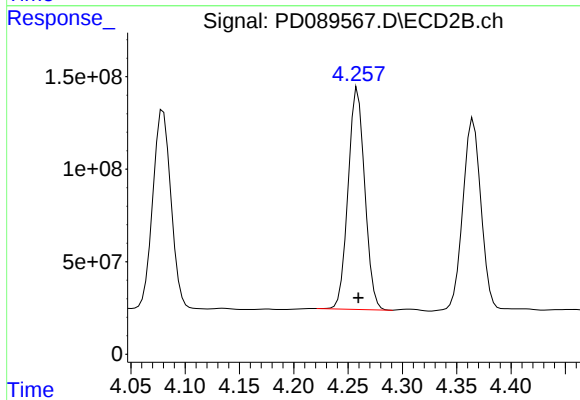
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 252309094
Conc: 47.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

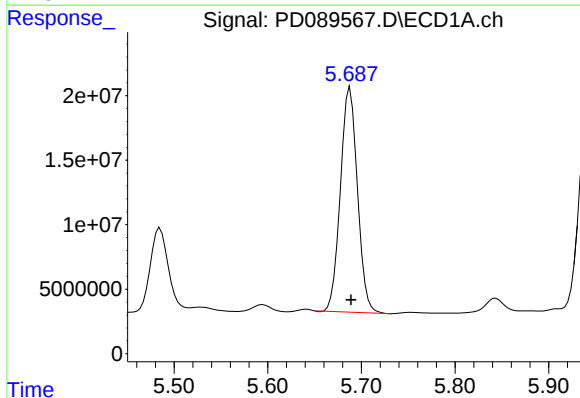
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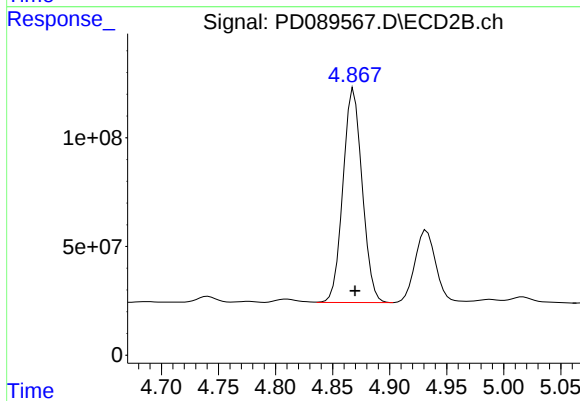
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1278512490
Conc: 45.83 ng/ml



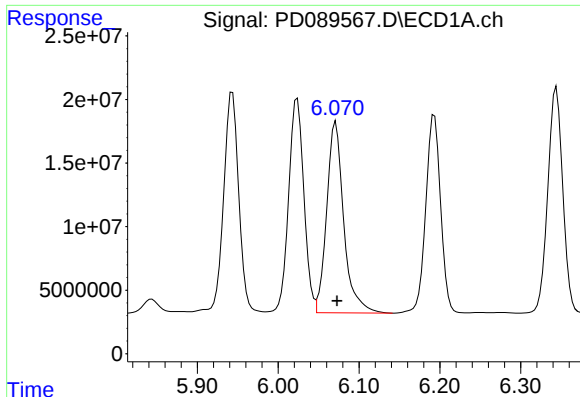
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 220607659
Conc: 46.70 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 1152624847
Conc: 46.36 ng/ml



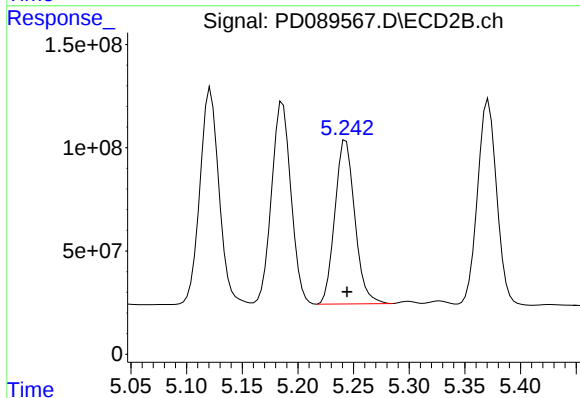
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 219978644
Conc: 49.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

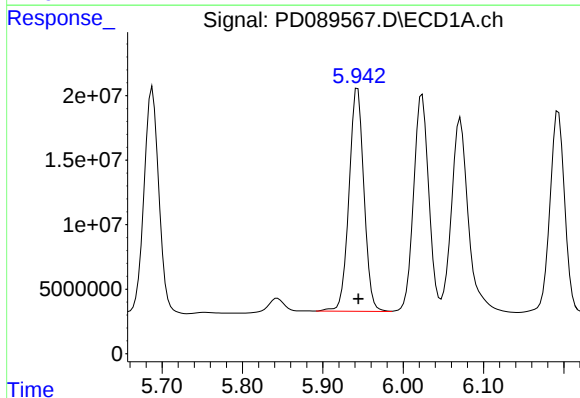
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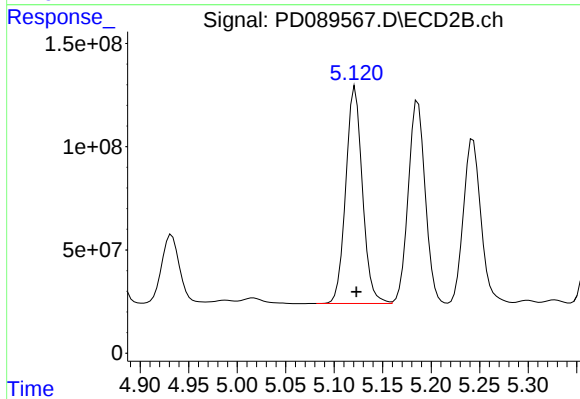
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 988604623
Conc: 41.63 ng/ml



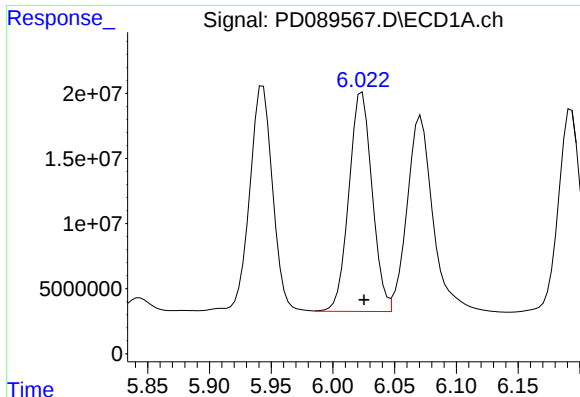
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 223055448
Conc: 47.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 1252059718
Conc: 46.80 ng/ml m



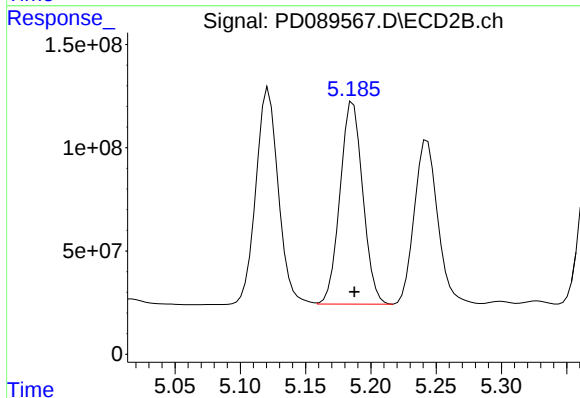
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: -0.002 min
Response: 220590570
Conc: 46.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
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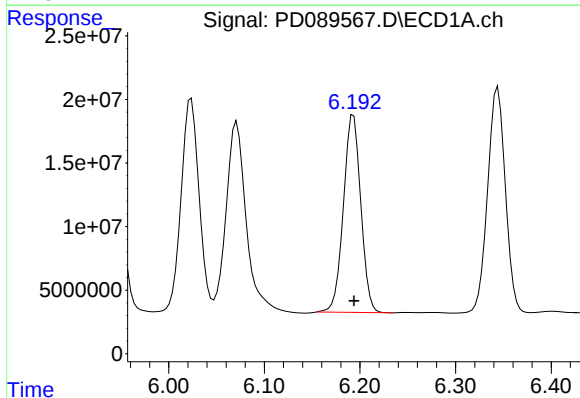
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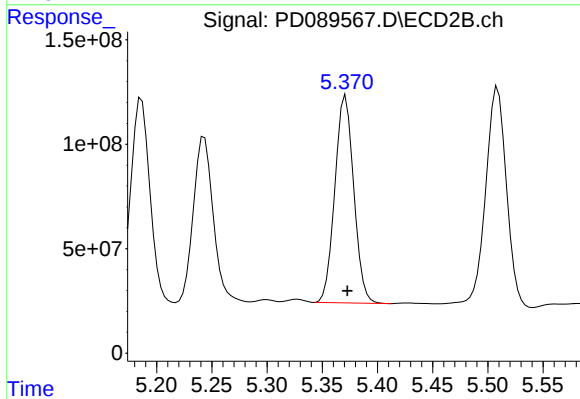
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1188419881
Conc: 46.08 ng/ml



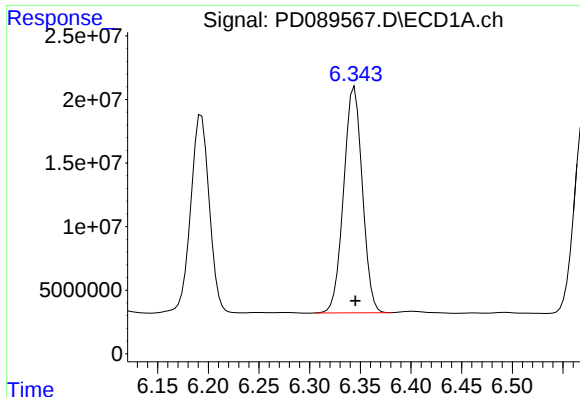
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 196713203
Conc: 45.81 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.001 min
Response: 1183127308
Conc: 45.06 ng/ml



#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 227961759
Conc: 48.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

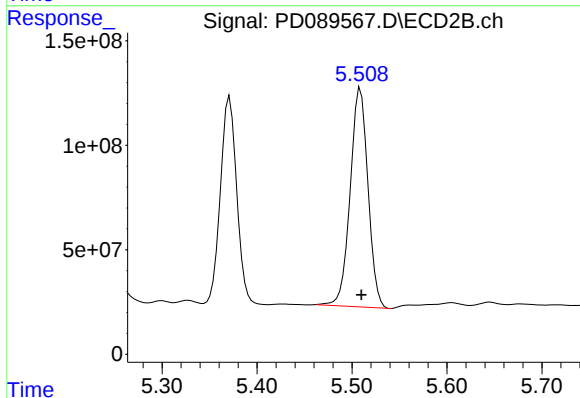
WC-A5-01-CMSD

Manual Integrations

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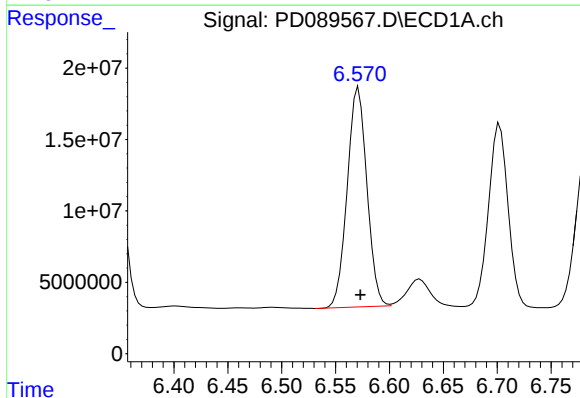
Reviewed By :Abdul Mirza 07/23/2025

Supervised By :mohammad ahmed 07/24/2025



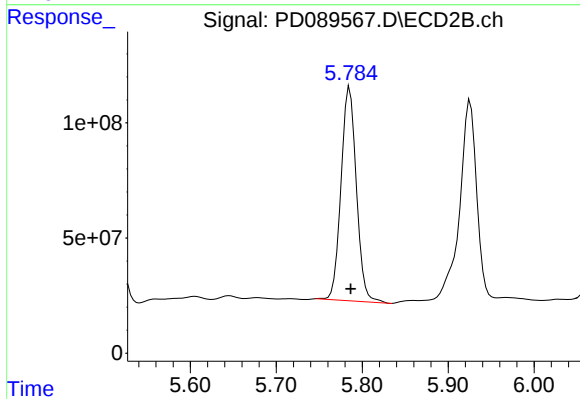
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1364841720
Conc: 51.65 ng/ml



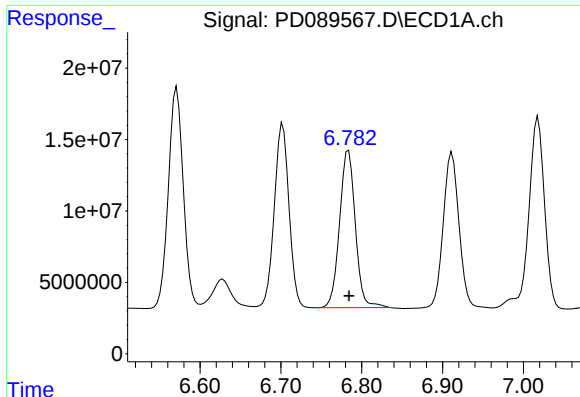
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 195387369
Conc: 47.98 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: -0.001 min
Response: 1155410740
Conc: 47.78 ng/ml



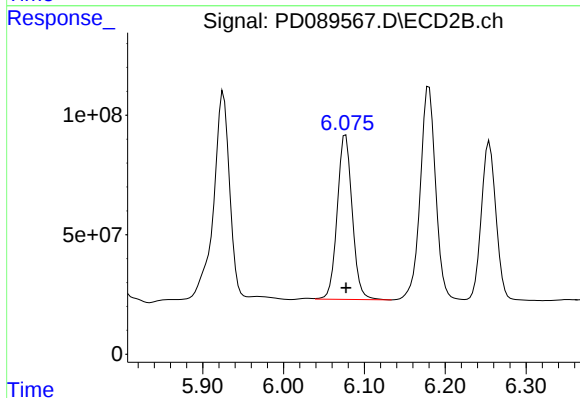
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 148902095
Conc: 36.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

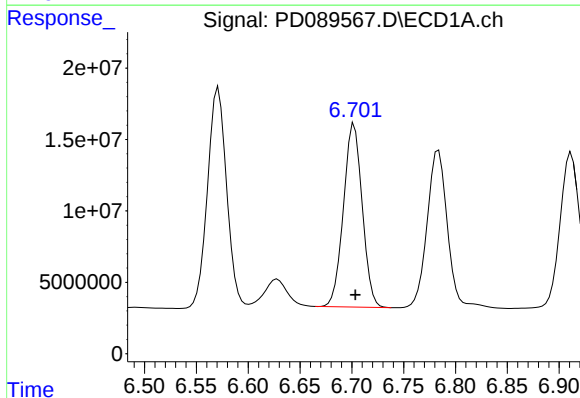
Manual Integrations
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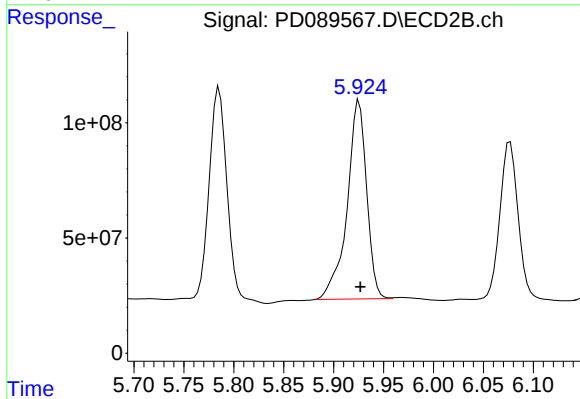
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 884747180
Conc: 38.52 ng/ml



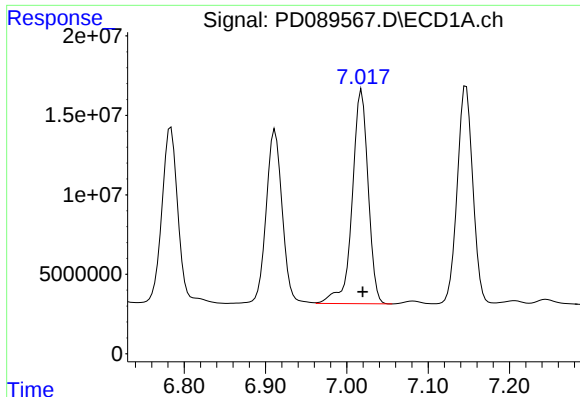
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 161584047
Conc: 47.68 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: -0.001 min
Response: 1173098107
Conc: 53.51 ng/ml



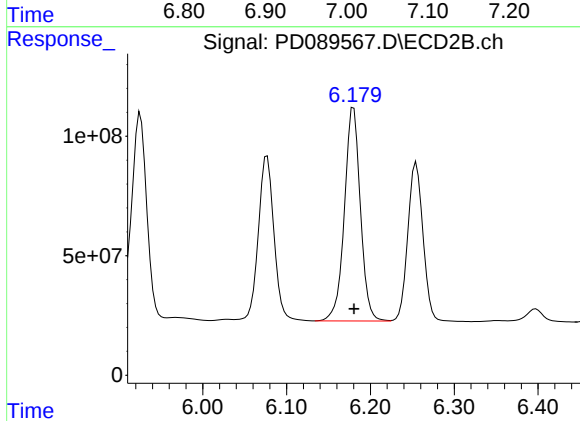
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 182665792
Conc: 48.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

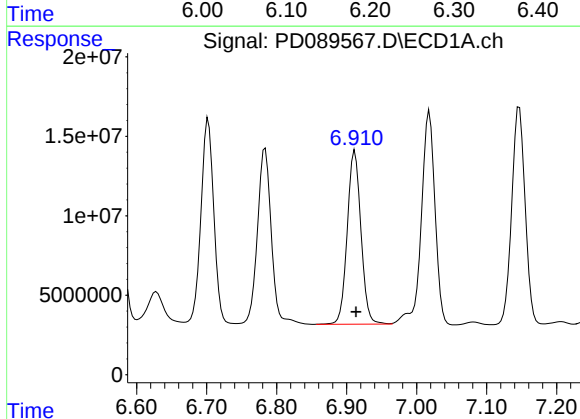
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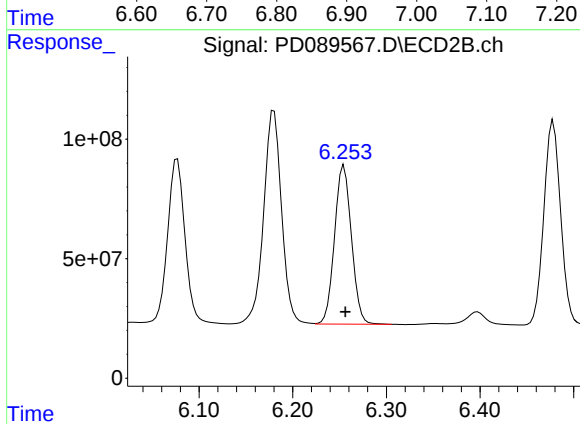
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1186165070
Conc: 50.68 ng/ml



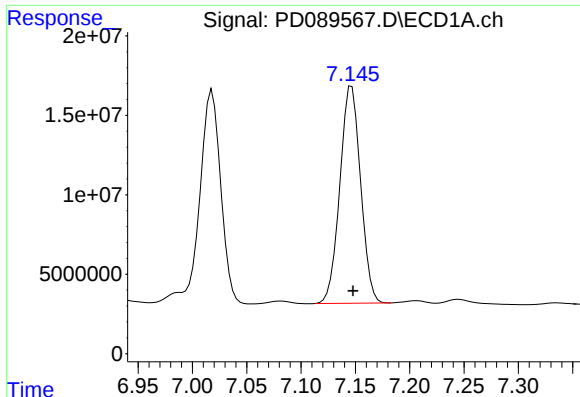
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.003 min
Response: 148864687
Conc: 51.06 ng/ml m



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: -0.001 min
Response: 834021797
Conc: 50.25 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 181566730
Conc: 48.11 ng/ml

Instrument :

ECD_D

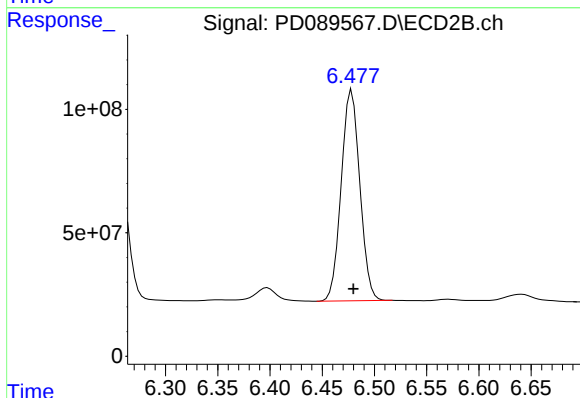
ClientSampleId :

WC-A5-01-CMSD

Manual Integrations

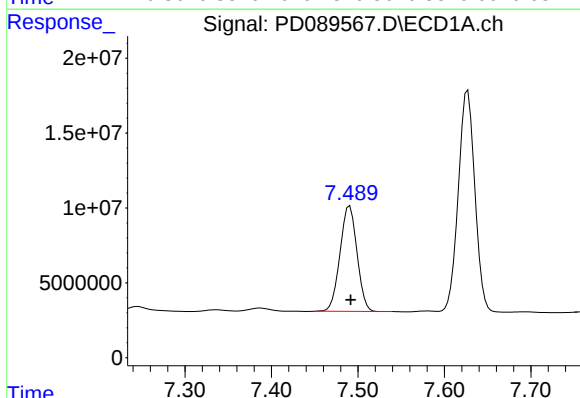
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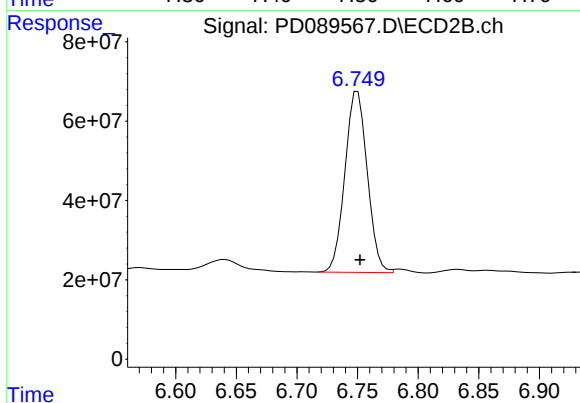
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1058861848
Conc: 47.70 ng/ml



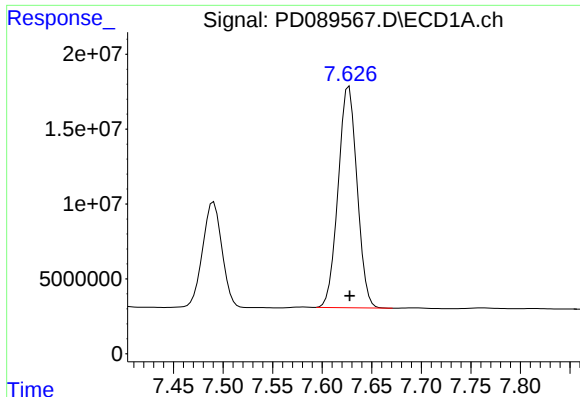
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 95372377
Conc: 47.57 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 585047487
Conc: 47.99 ng/ml



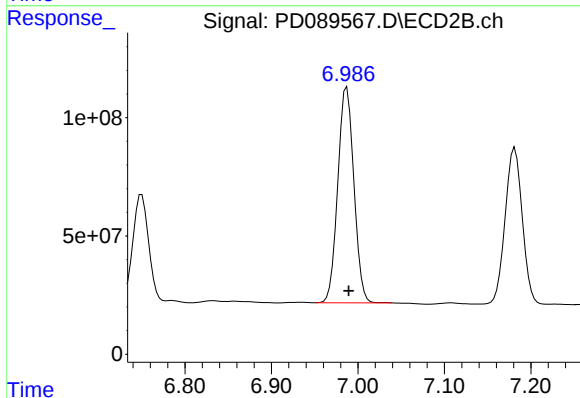
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 196449603
Conc: 48.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

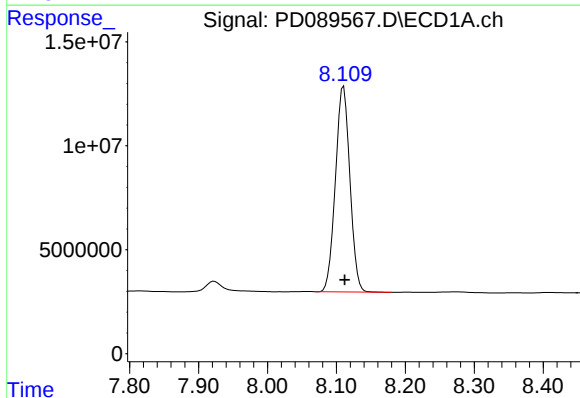
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



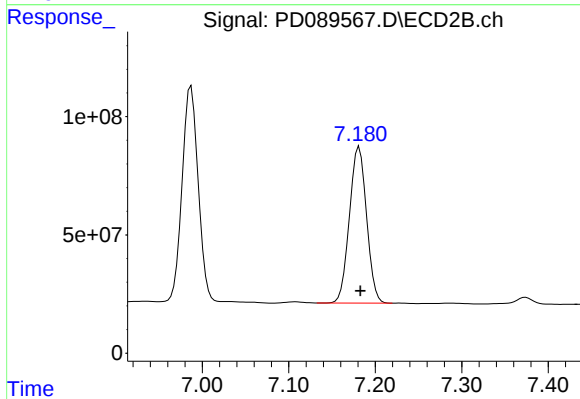
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1171373270
Conc: 47.83 ng/ml



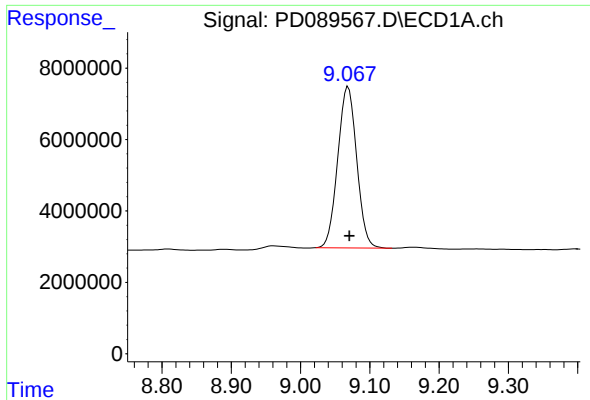
#22 Mirex

R.T.: 8.110 min
Delta R.T.: -0.001 min
Response: 144185232
Conc: 46.87 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: -0.001 min
Response: 907394803
Conc: 46.94 ng/ml



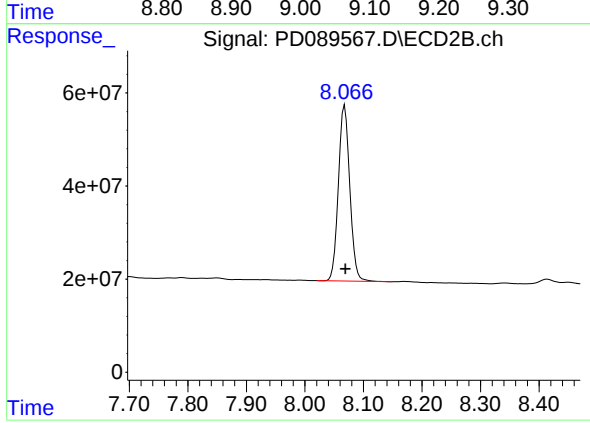
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 85858628
Conc: 20.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A5-01-CMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.002 min
Response: 511197286
Conc: 20.81 ng/ml