

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
 Data File : PD089308.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 18:00
 Operator : AR\AJ
 Sample : Q2475-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOIL-PILEMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:40:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.879	38576754	255.5E6	13.521	15.073m
28)	SA Decachlor...	9.077	8.071	79040355	316.2E6	20.124m	15.992
Target Compounds							
2)	A alpha-BHC	3.999	3.392	261.3E6	1201.4E6	44.825	44.833m
3)	MA gamma-BHC...	4.330	3.728	264.8E6	1106.5E6	47.436	44.694m
4)	MA Heptachlor	4.930	4.082	239.9E6	1090.7E6	44.009	43.563
5)	MB Aldrin	5.271	4.368	245.9E6	1070.5E6	46.290	44.205
6)	B beta-BHC	4.517	4.025	80719927	525.8E6	36.572	48.933 #
7)	B delta-BHC	4.764	4.262	245.8E6	1102.9E6	47.881	44.342
8)	B Heptachlo...	5.691	4.872	210.5E6	1064.2E6	43.636	48.598
9)	A Endosulfan I	6.074	5.248	216.9E6	1006.4E6	48.126	48.285
10)	B gamma-Chl...	5.946	5.124	221.2E6	1066.3E6	46.194	44.571m
11)	B alpha-Chl...	6.028	5.190	257.7E6	1198.2E6	53.251	52.332
12)	B 4,4'-DDE	6.197	5.375	156.8E6	1049.7E6	35.966	45.808 #
13)	MA Dieldrin	6.348	5.513	211.2E6	1162.0E6	44.029	50.067
14)	MA Endrin	6.574	5.789	176.2E6	972.7E6	42.701	44.798
15)	B Endosulfa...	6.786	6.078	171.2E6	891.3E6	42.424	44.132m
16)	A 4,4'-DDD	6.704	5.928	175.8E6	744.8E6	51.235m	38.933m
17)	MA 4,4'-DDT	7.021	6.183	146.9E6	768.4E6	38.773	37.893
18)	B Endrin al...	6.915	6.259	131.7E6	652.9E6	42.992	42.644
19)	B Endosulfa...	7.150	6.482	159.1E6	794.0E6	41.457	40.469
20)	A Methoxychlor	7.492	6.752	76735786	368.9E6	37.976m	34.260m
21)	B Endrin ke...	7.631	6.990	168.3E6	822.9E6	41.314	38.095
22)	Mirex	8.113	7.185	137.7E6	602.6E6	45.281m	36.129

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
Data File : PD089308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 18:00
Operator : AR\AJ
Sample : Q2475-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

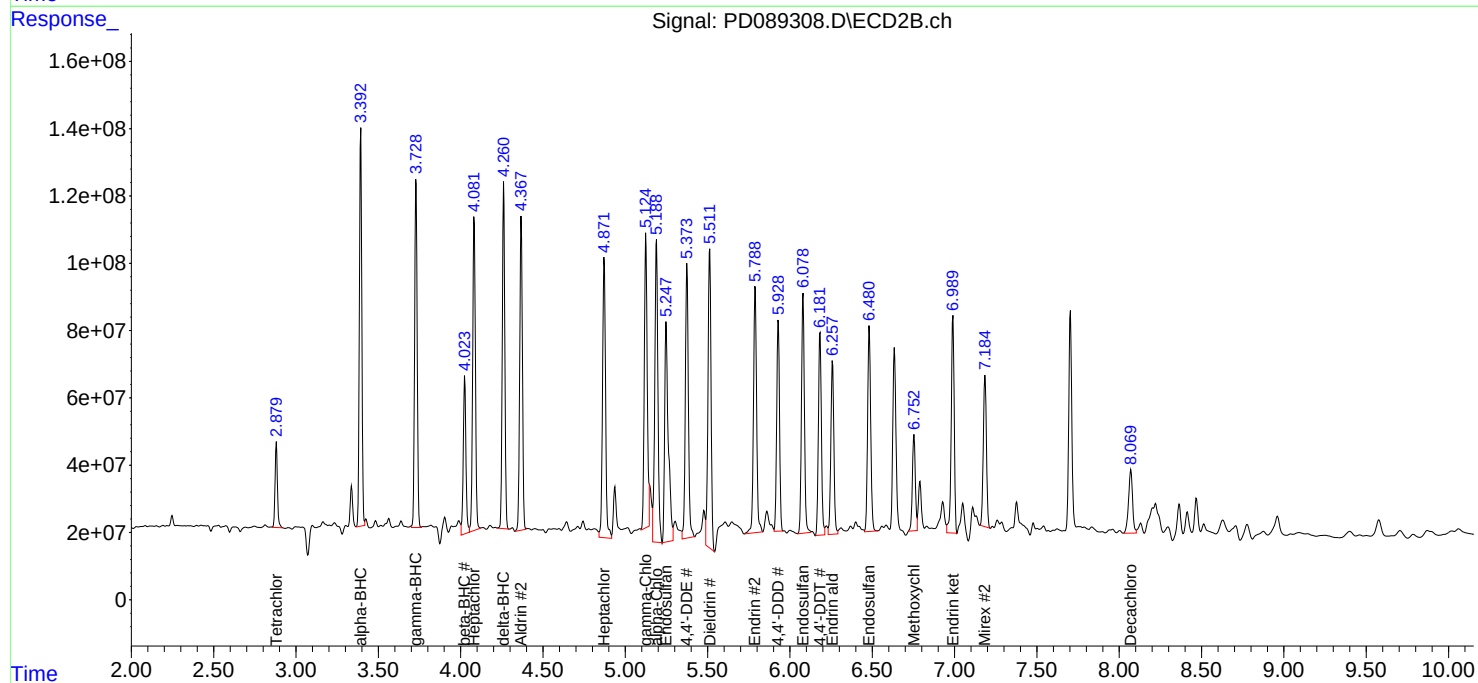
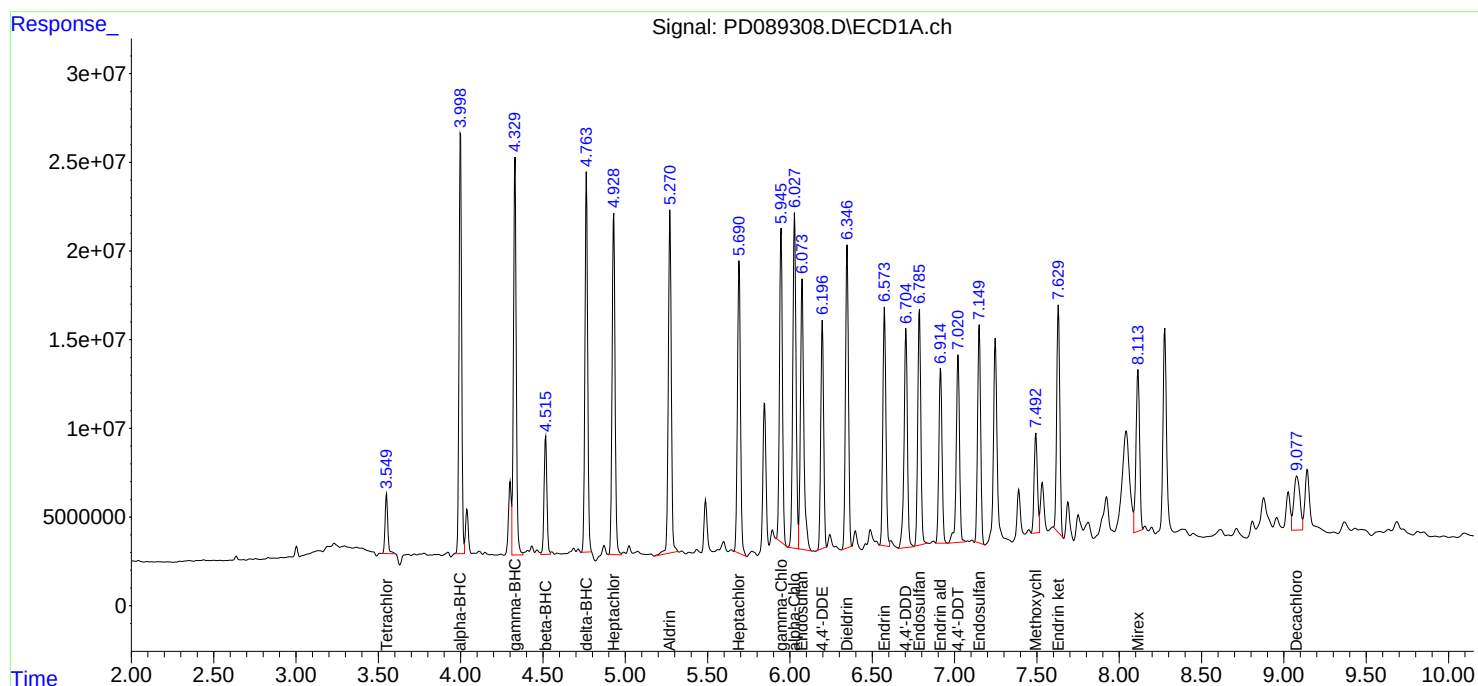
Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

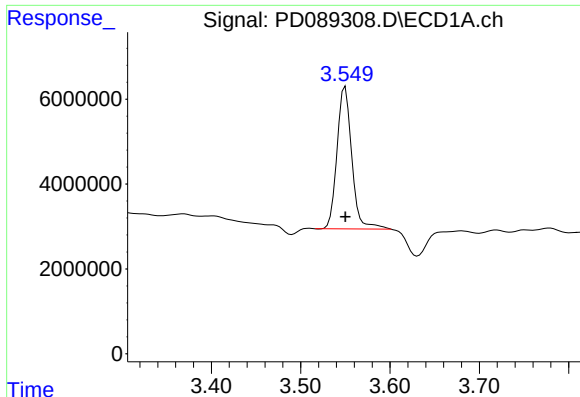
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/03/2025
Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





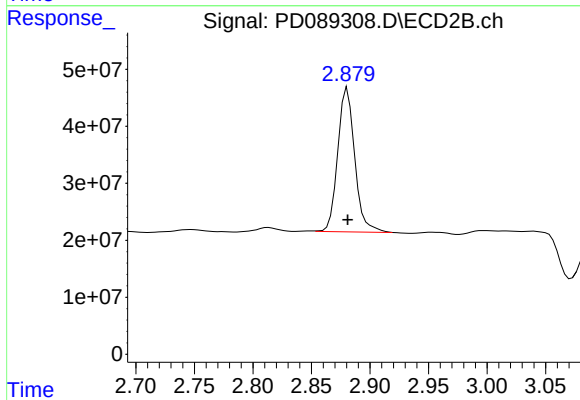
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 38576754
Conc: 13.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

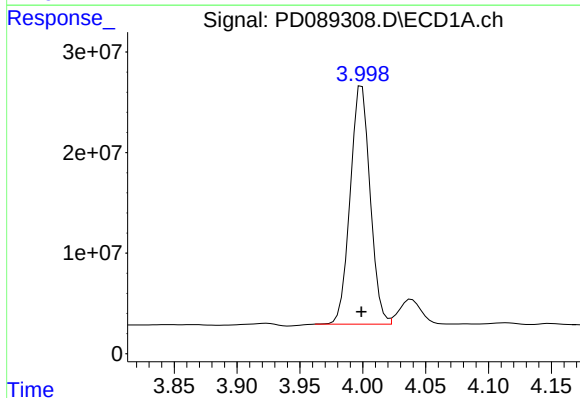
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



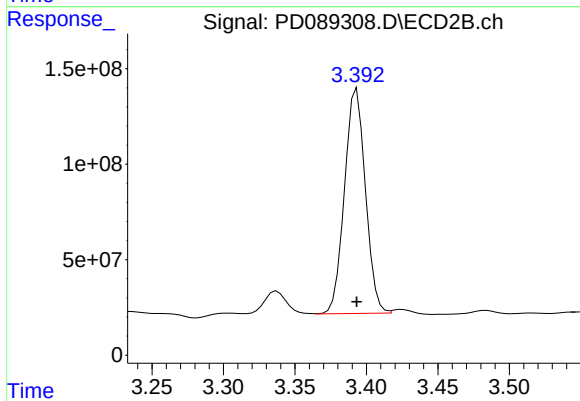
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 255531845
Conc: 15.07 ng/ml m



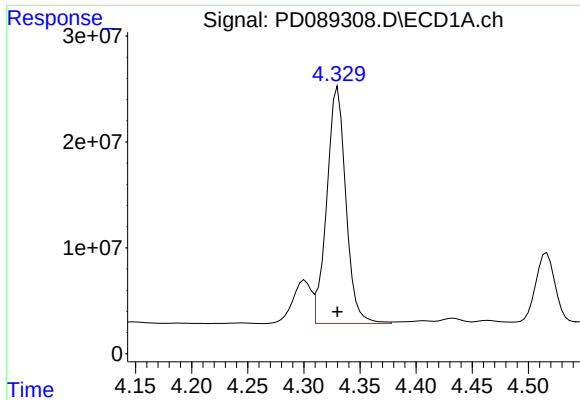
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 261285619
Conc: 44.82 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1201399543
Conc: 44.83 ng/ml m



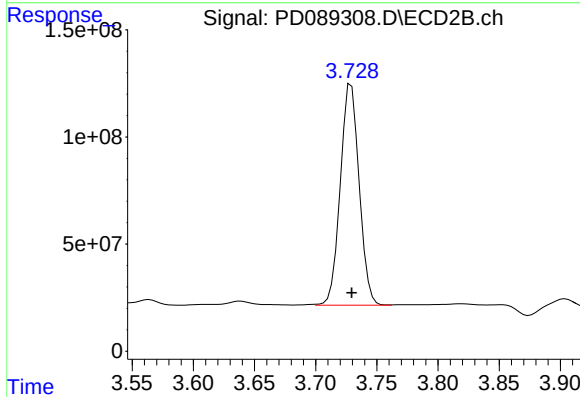
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 264773423
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

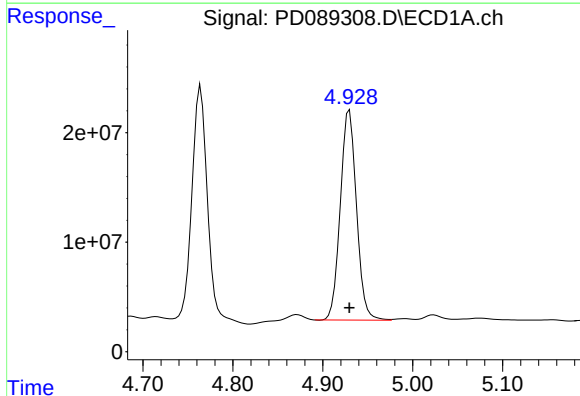
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



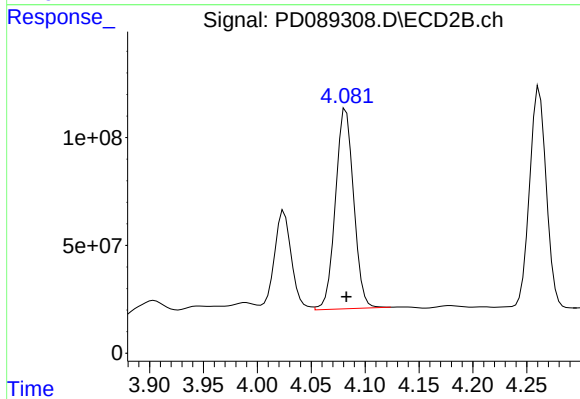
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 1106480124
Conc: 44.69 ng/ml m



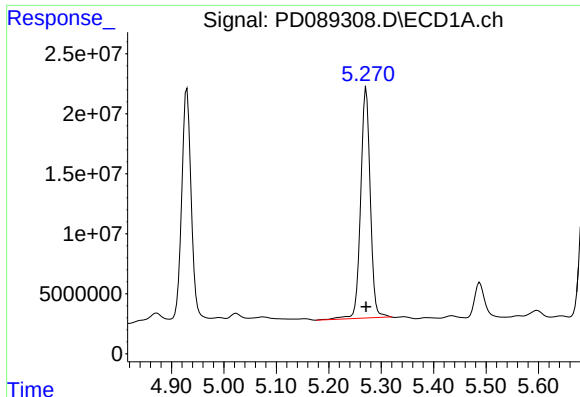
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 239937823
Conc: 44.01 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1090736663
Conc: 43.56 ng/ml



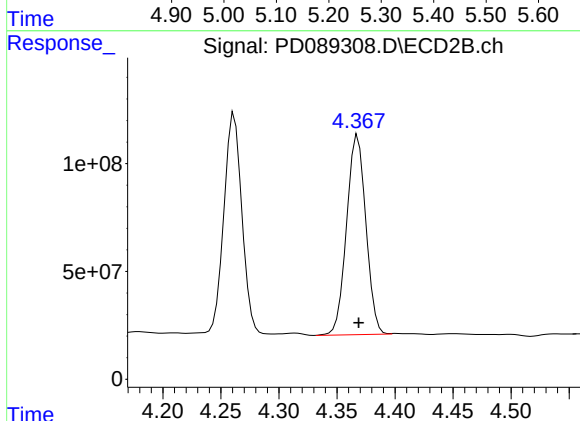
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 245939476
Conc: 46.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

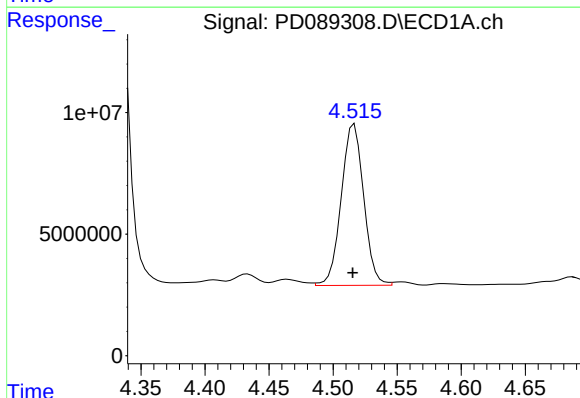
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



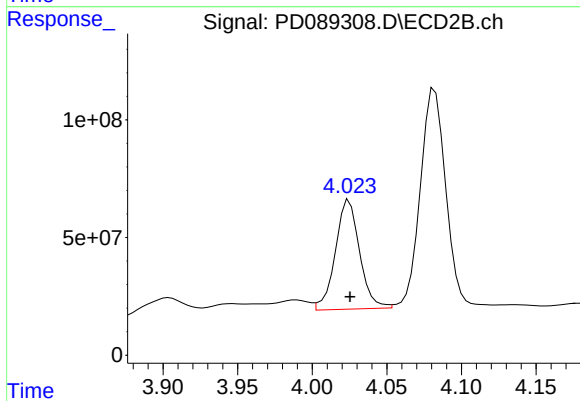
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1070527666
Conc: 44.21 ng/ml



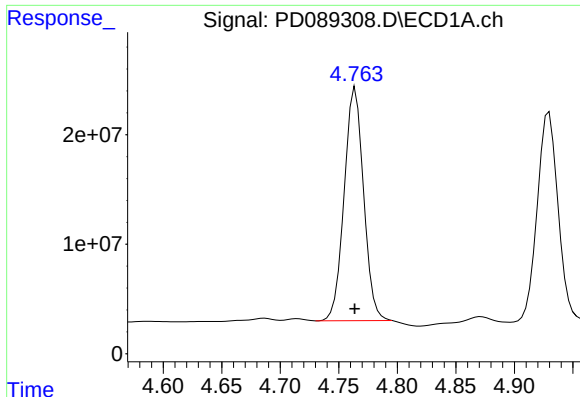
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.001 min
Response: 80719927
Conc: 36.57 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 525848553
Conc: 48.93 ng/ml



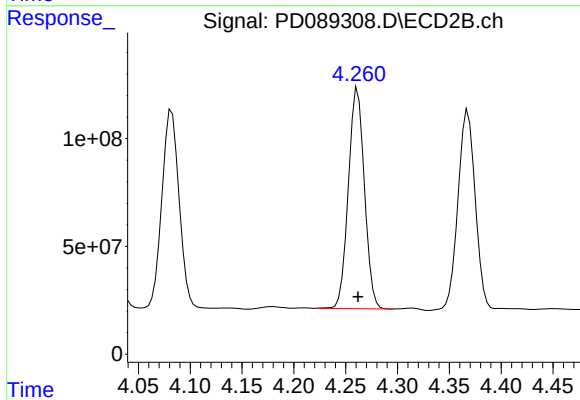
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 245766882
Conc: 47.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

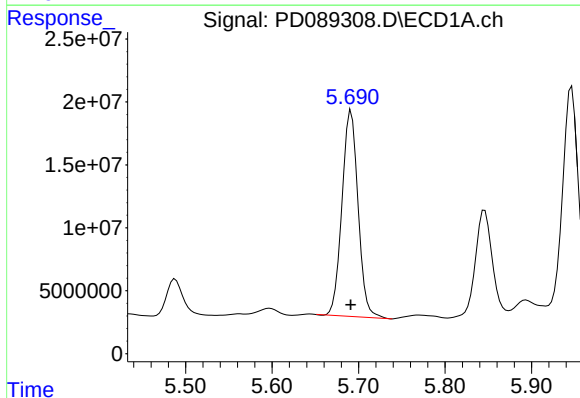
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



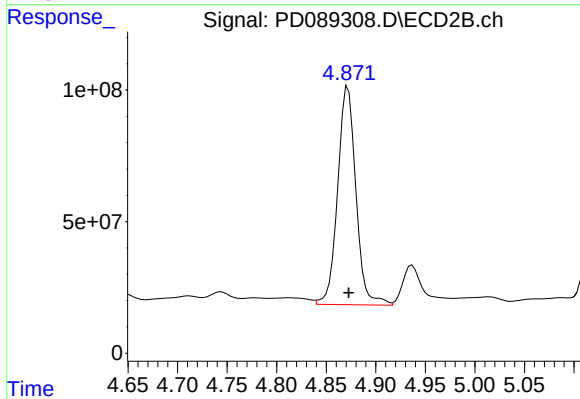
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1102945642
Conc: 44.34 ng/ml



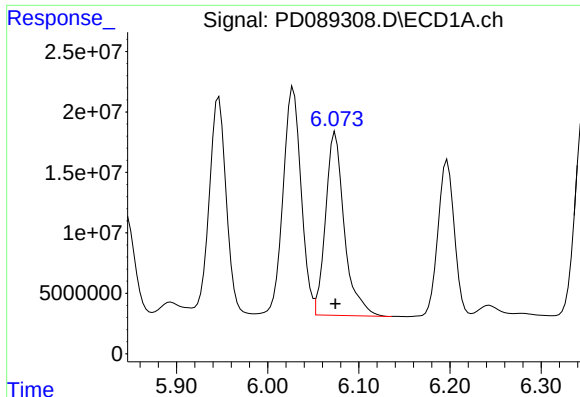
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 210498083
Conc: 43.64 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1064195183
Conc: 48.60 ng/ml



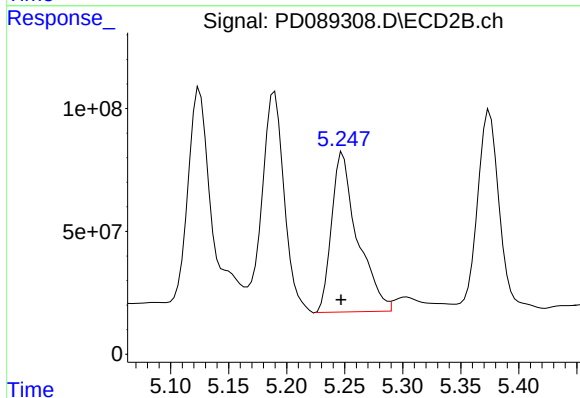
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 216926519
Conc: 48.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

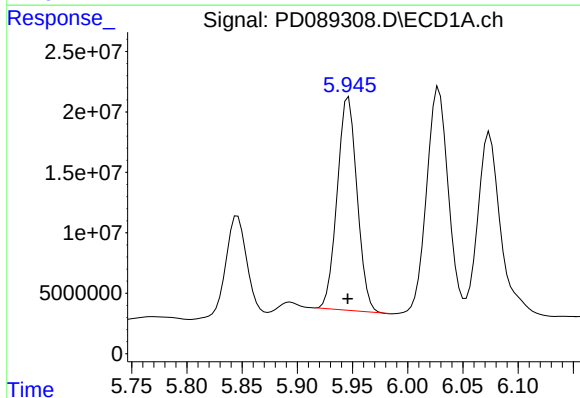
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



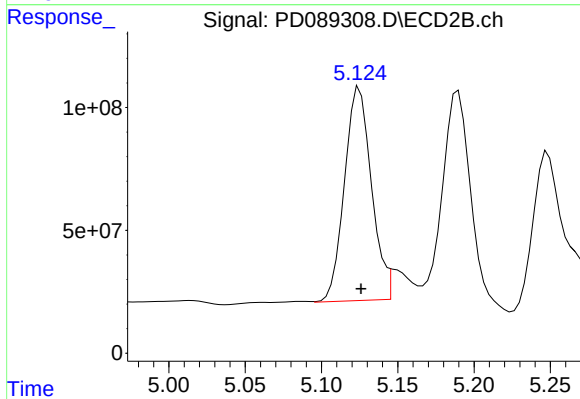
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.001 min
Response: 1006369070
Conc: 48.28 ng/ml



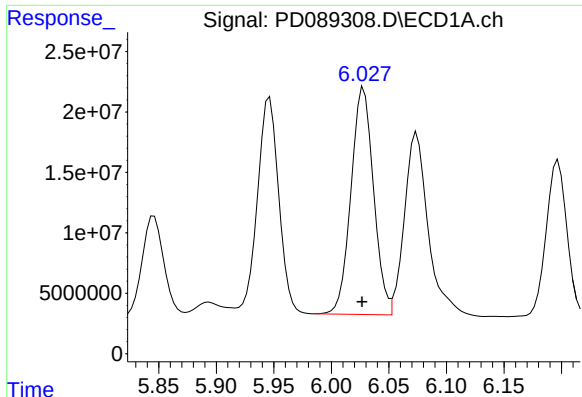
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 221180721
Conc: 46.19 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1066270582
Conc: 44.57 ng/ml m



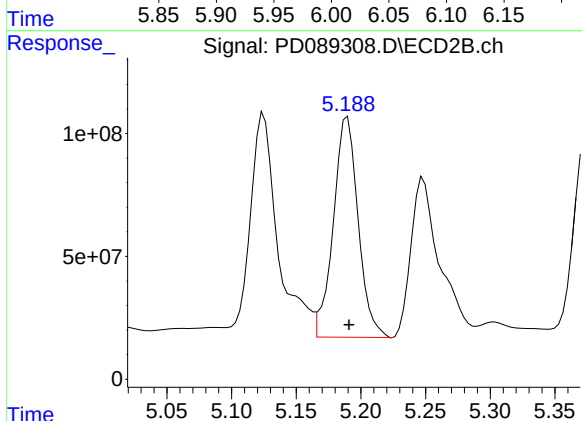
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.001 min
Response: 257655370
Conc: 53.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

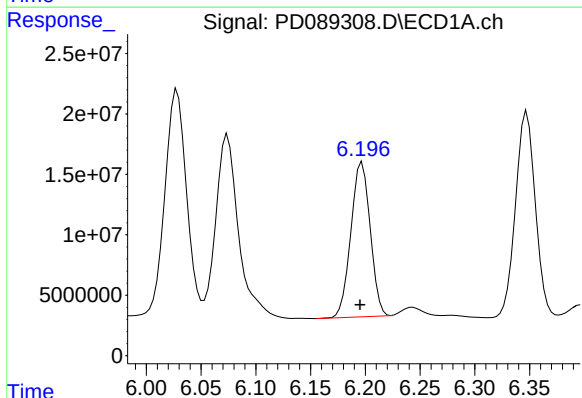
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



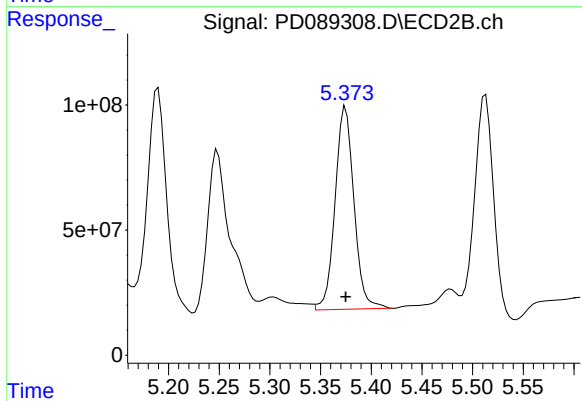
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.001 min
Response: 1198228799
Conc: 52.33 ng/ml



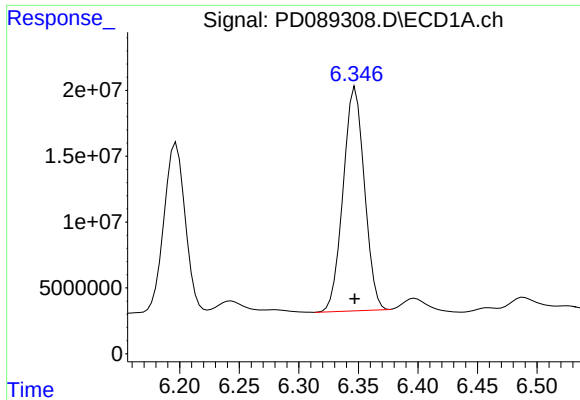
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.002 min
Response: 156849207
Conc: 35.97 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1049745830
Conc: 45.81 ng/ml



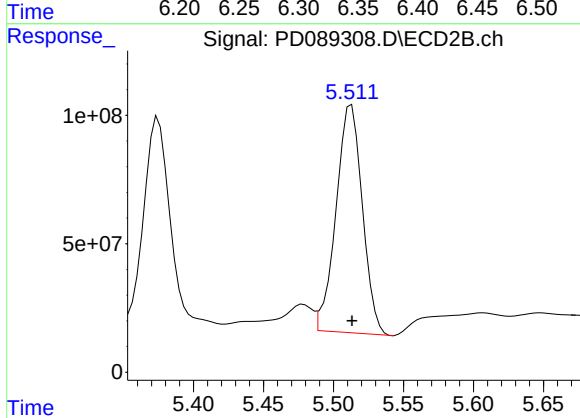
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 211226674
Conc: 44.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

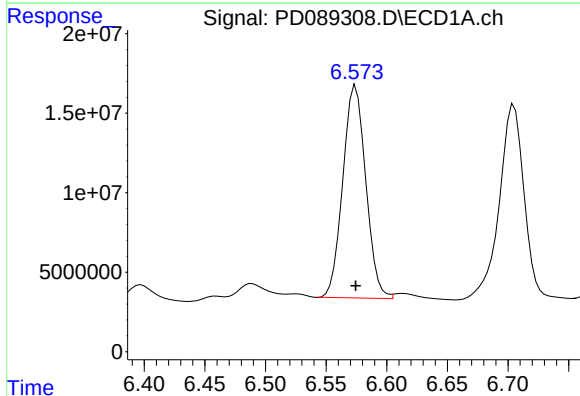
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



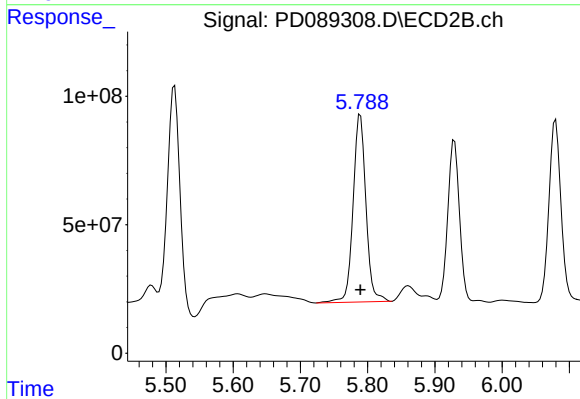
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1161974737
Conc: 50.07 ng/ml



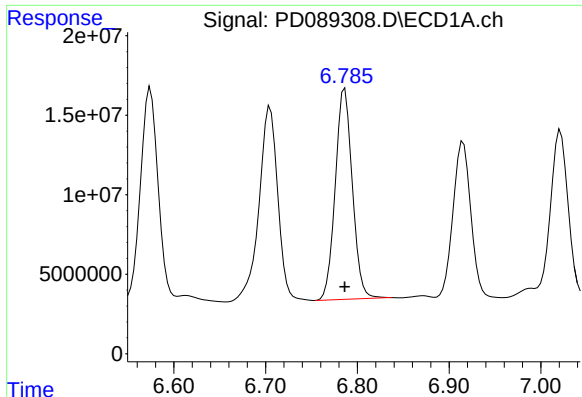
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 176168546
Conc: 42.70 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 972742717
Conc: 44.80 ng/ml



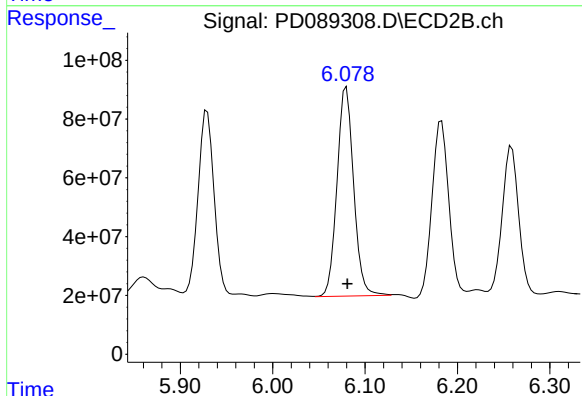
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 171247041
Conc: 42.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

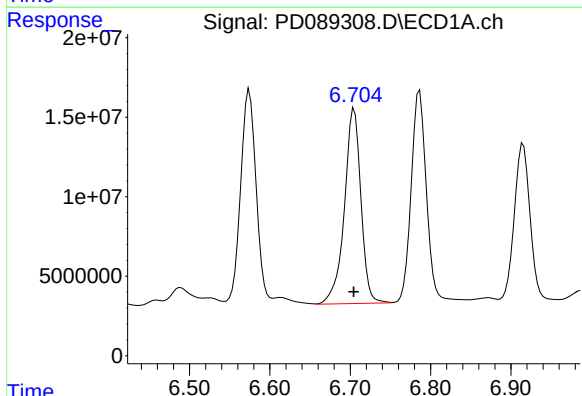
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



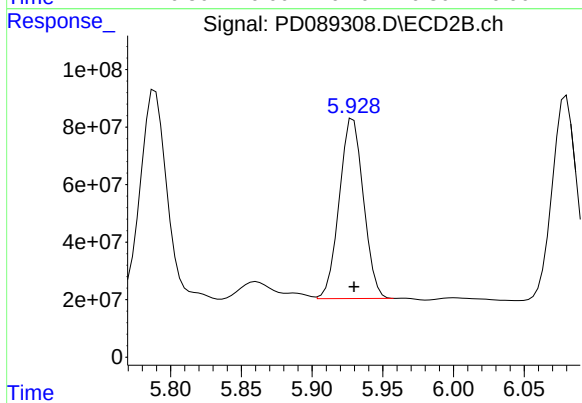
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 891317124
Conc: 44.13 ng/ml m



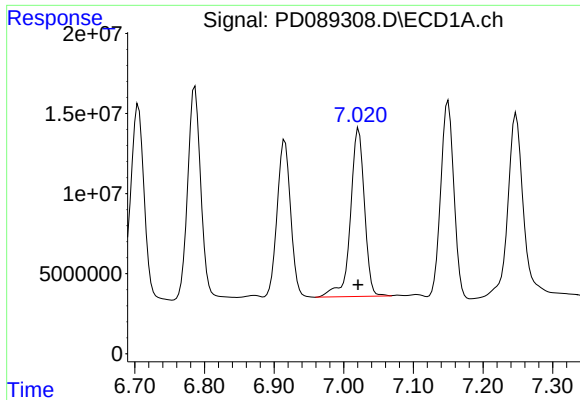
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 175840261
Conc: 51.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 744773415
Conc: 38.93 ng/ml m



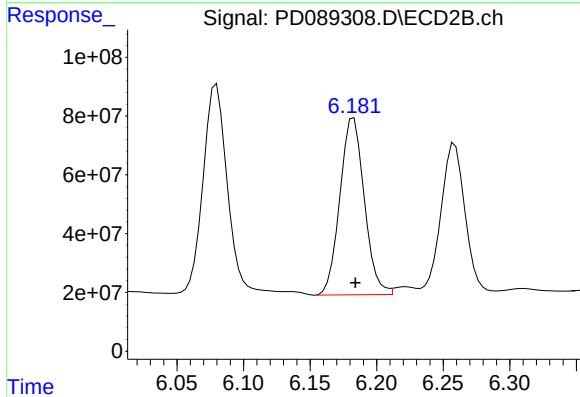
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 146880544
Conc: 38.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

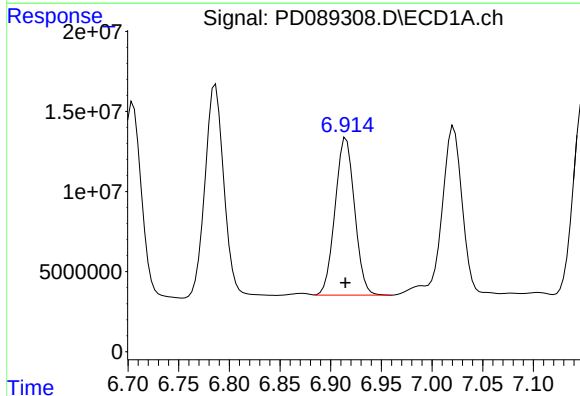
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



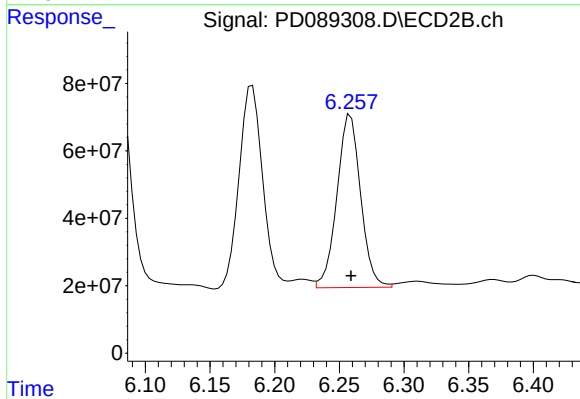
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 768445351
Conc: 37.89 ng/ml



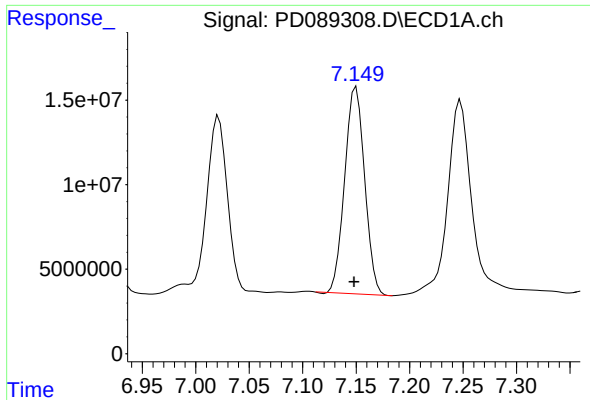
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 131723905
Conc: 42.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 652930209
Conc: 42.64 ng/ml



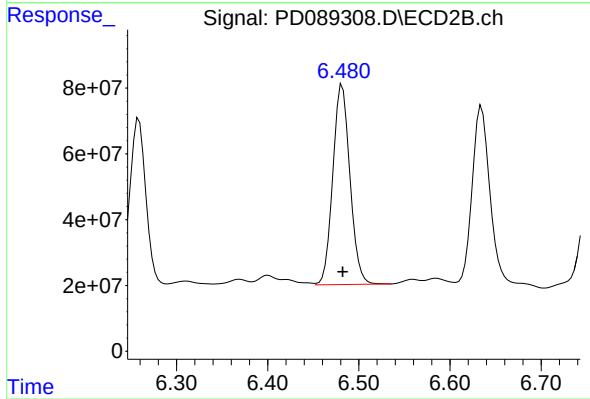
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.002 min
Response: 159079630
Conc: 41.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

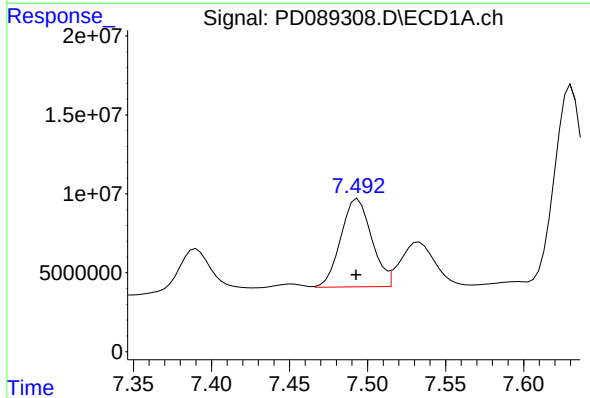
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



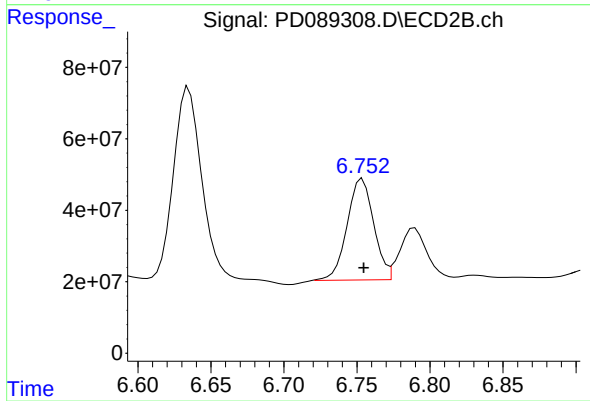
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 794035984
Conc: 40.47 ng/ml



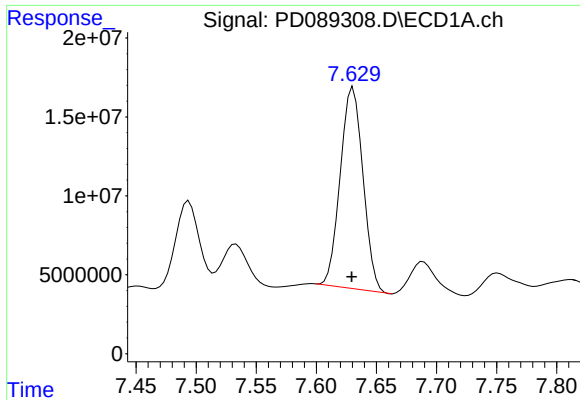
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 76735786
Conc: 37.98 ng/ml m



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 368909426
Conc: 34.26 ng/ml m



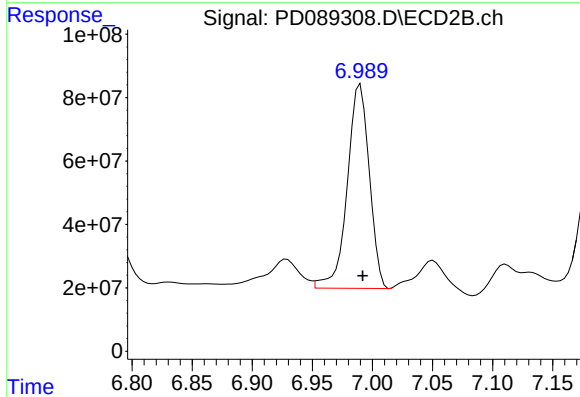
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 168273955
Conc: 41.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

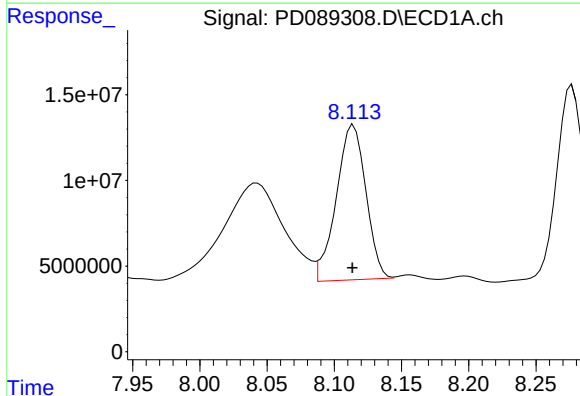
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



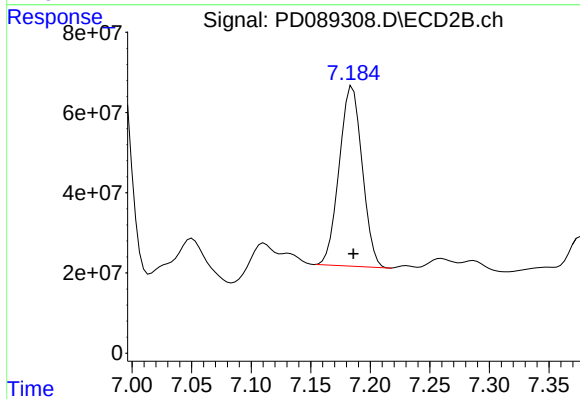
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 822920138
Conc: 38.10 ng/ml



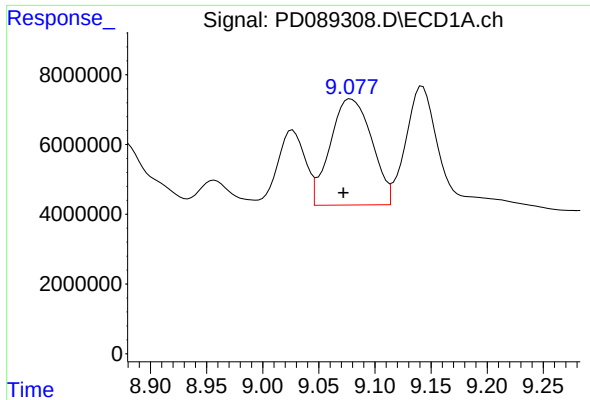
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 137659649
Conc: 45.28 ng/ml m



#22 Mirex

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 602567315
Conc: 36.13 ng/ml



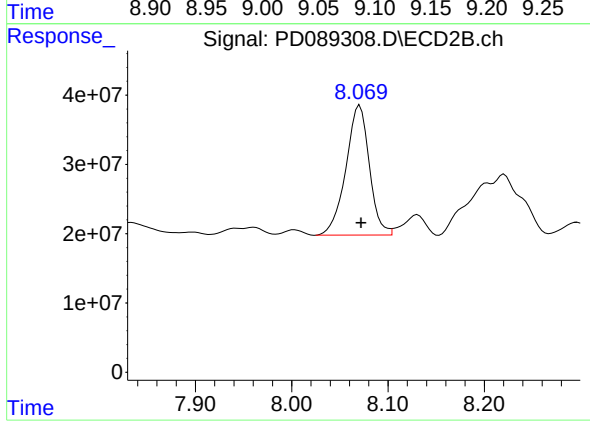
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.005 min
Response: 79040355
Conc: 20.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 316161779
Conc: 15.99 ng/ml