

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
 Data File : PD089307.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 17:47
 Operator : AR\AJ
 Sample : Q2475-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOIL-PILEMS

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 01:40:36 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	2.880	38603263	259.4E6	13.530	15.304m
28)	SA Decachlor...	9.076	8.070	79464153	320.9E6	20.232m	16.233
Target Compounds							
2)	A alpha-BHC	3.999	3.392	259.4E6	1213.9E6	44.498	45.301m
3)	MA gamma-BHC...	4.330	3.729	270.2E6	1120.0E6	48.407	45.240
4)	MA Heptachlor	4.930	4.083	251.6E6	1135.3E6	46.141	45.343
5)	MB Aldrin	5.271	4.368	252.5E6	1080.0E6	47.531	44.595
6)	B beta-BHC	4.516	4.025	78953136	527.6E6	35.772	49.099 #
7)	B delta-BHC	4.764	4.261	248.9E6	1112.1E6	48.497	44.709
8)	B Heptachlo...	5.691	4.872	212.2E6	1060.7E6	43.990	48.439
9)	A Endosulfan I	6.075	5.248	215.8E6	997.7E6	47.880	47.867
10)	B gamma-Chl...	5.945	5.124	247.2E6	1117.9E6	51.625m	46.728m
11)	B alpha-Chl...	6.028	5.189	260.2E6	1203.5E6	53.781	52.563
12)	B 4,4'-DDE	6.197	5.374	159.8E6	1058.0E6	36.638	46.167 #
13)	MA Dieldrin	6.347	5.512	213.6E6	1166.5E6	44.520	50.260
14)	MA Endrin	6.575	5.789	179.5E6	965.2E6	43.519	44.451
15)	B Endosulfa...	6.787	6.078	173.9E6	899.0E6	43.072	44.512m
16)	A 4,4'-DDD	6.704	5.927	170.8E6	739.6E6	49.770m	38.662m
17)	MA 4,4'-DDT	7.022	6.183	157.8E6	814.3E6	41.666	40.153
18)	B Endrin al...	6.915	6.258	135.0E6	680.6E6	44.045	44.451
19)	B Endosulfa...	7.150	6.481	160.8E6	805.2E6	41.895	41.039
20)	A Methoxychlor	7.492	6.752	74648861	380.1E6	36.943m	35.297m
21)	B Endrin ke...	7.631	6.990	167.4E6	833.4E6	41.099	38.581
22)	Mirex	8.112	7.185	134.6E6	615.4E6	44.274m	36.896

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

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Data File : PD089307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 17:47
Operator : AR\AJ
Sample : Q2475-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

SOIL-PILEMS

Manual Integrations

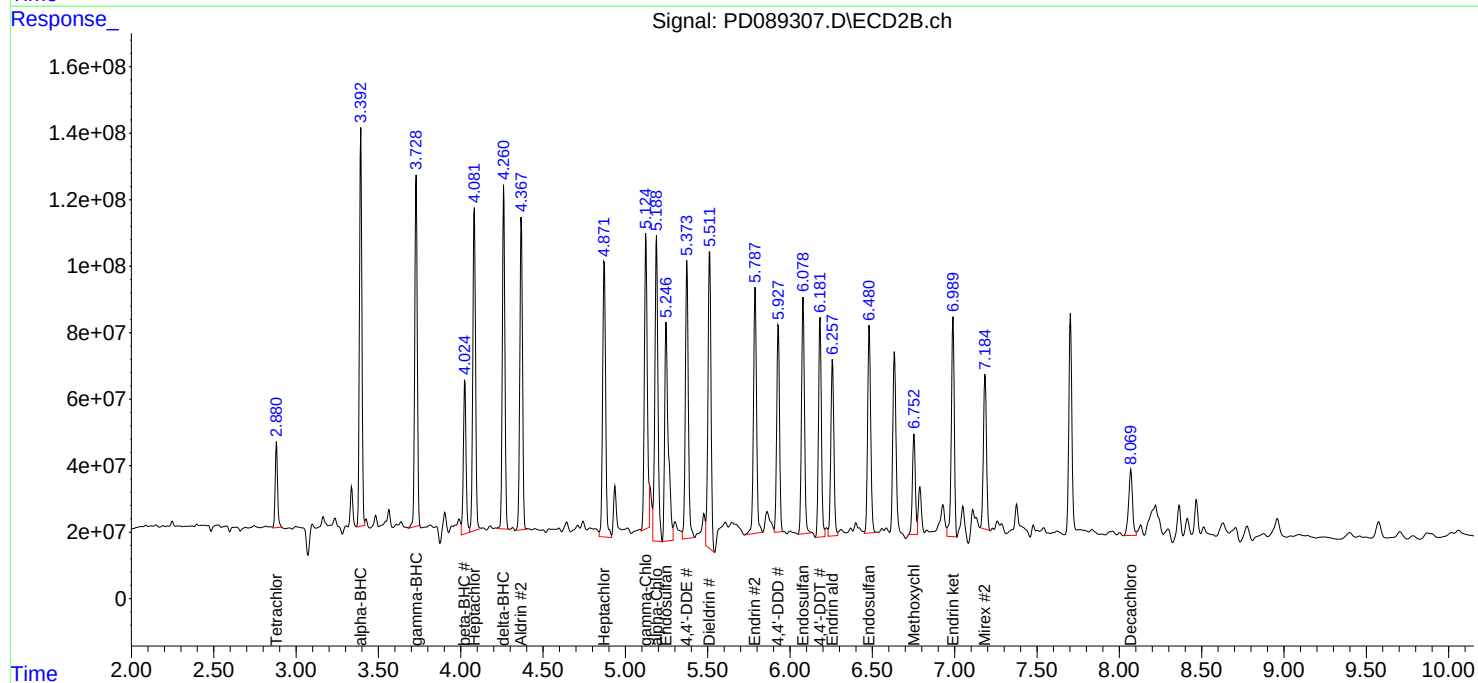
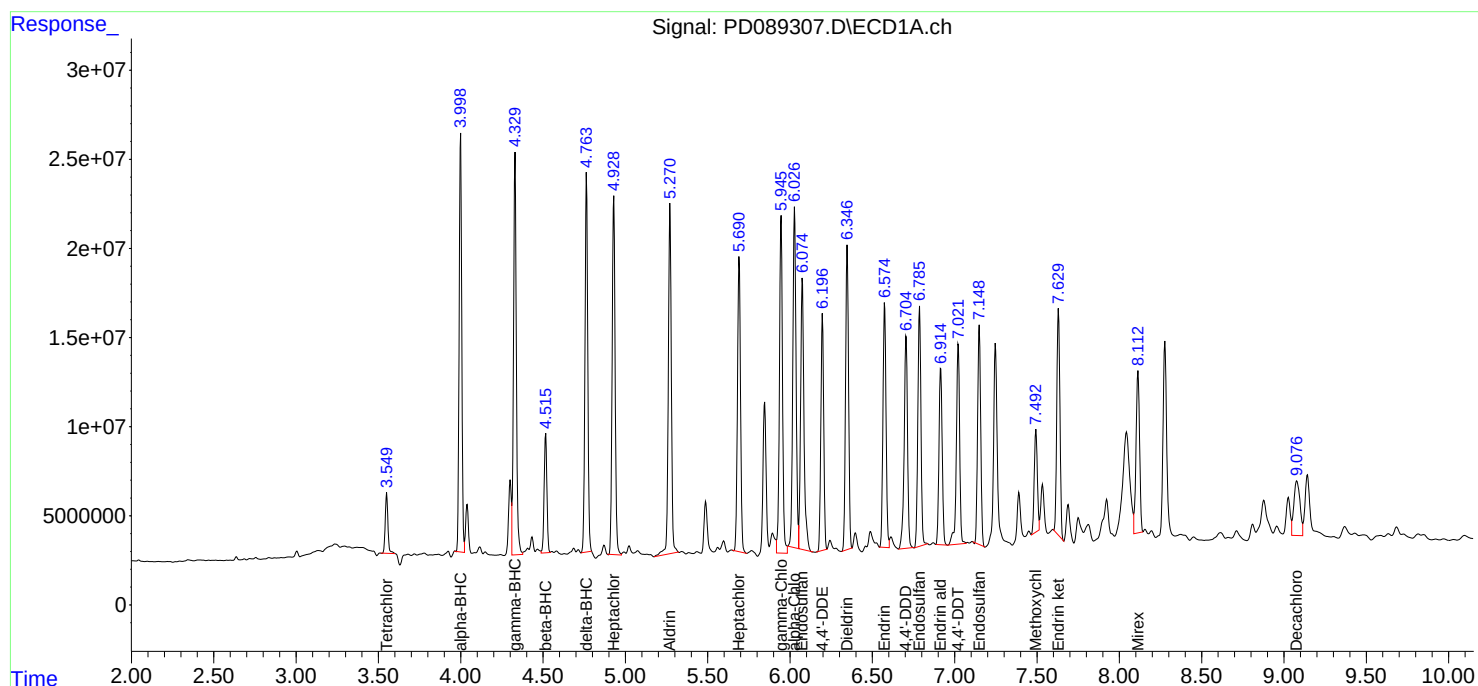
APPROVED

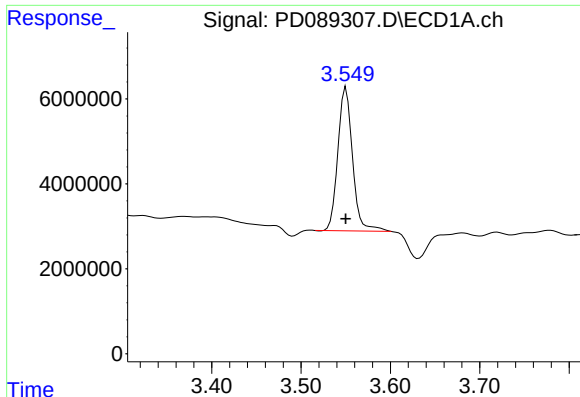
Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:36 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





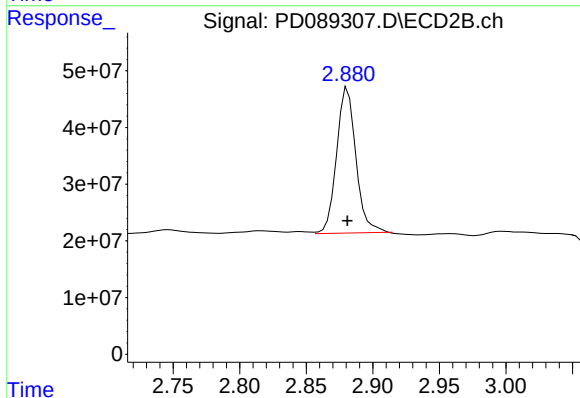
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 38603263
Conc: 13.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

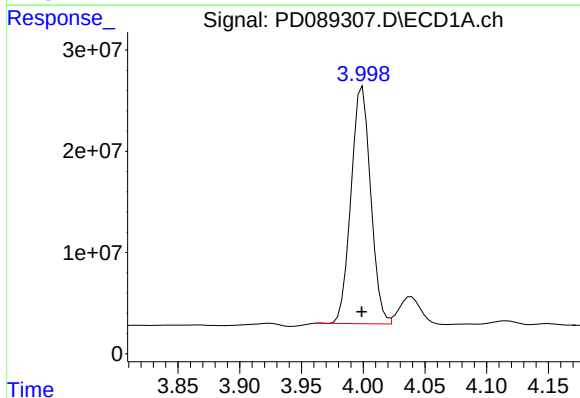
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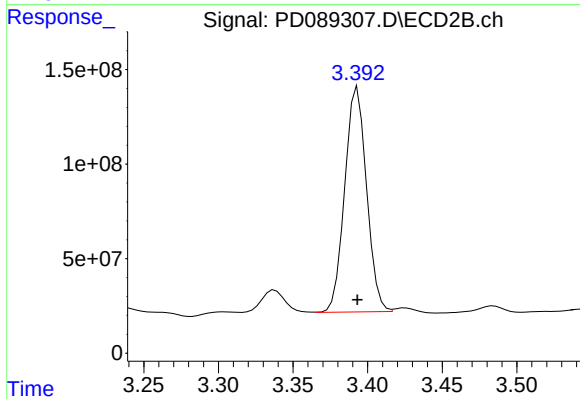
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 259446982
Conc: 15.30 ng/ml m



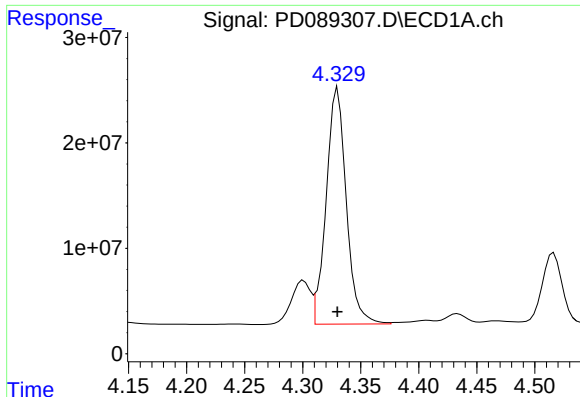
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 259381223
Conc: 44.50 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1213947154
Conc: 45.30 ng/ml m



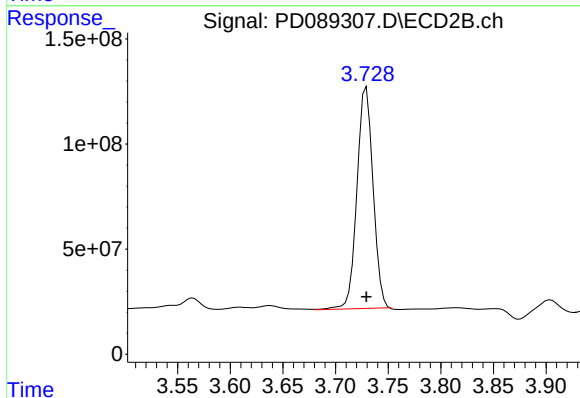
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 270190528
Conc: 48.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

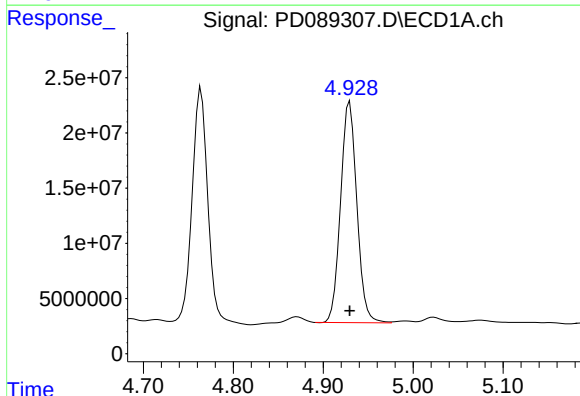
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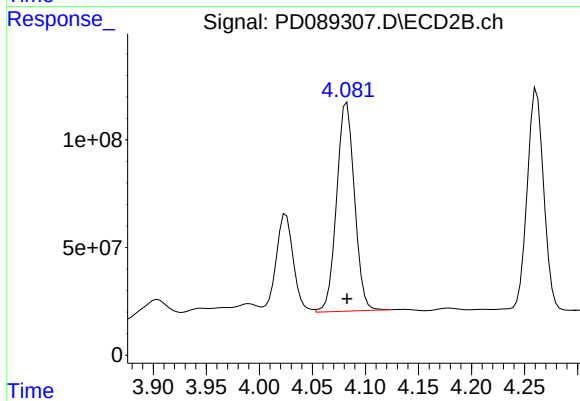
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1120014561
Conc: 45.24 ng/ml



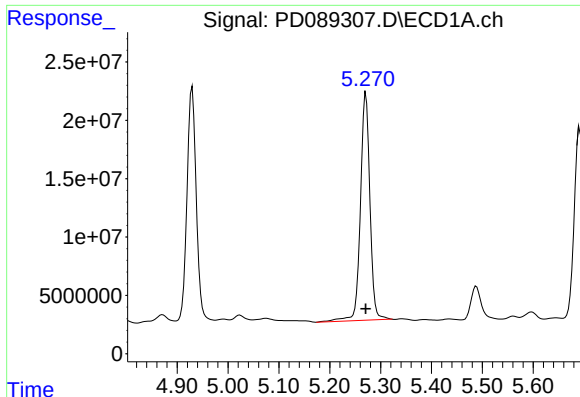
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 251557572
Conc: 46.14 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1135320442
Conc: 45.34 ng/ml



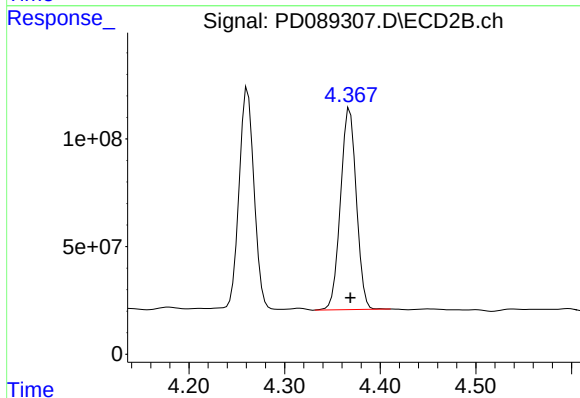
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 252528798
Conc: 47.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

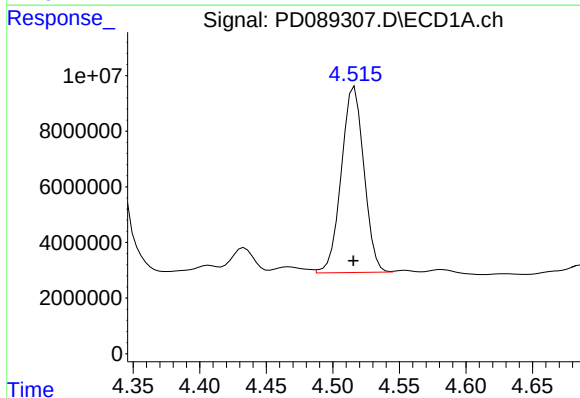
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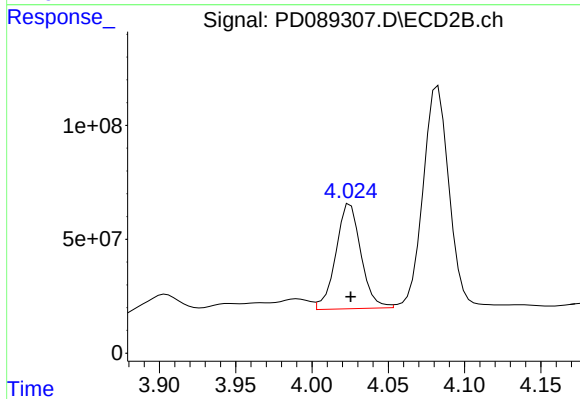
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1079975714
Conc: 44.60 ng/ml



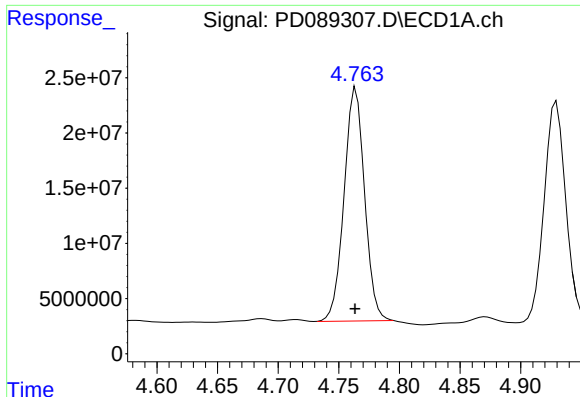
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 78953136
Conc: 35.77 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 527627726
Conc: 49.10 ng/ml



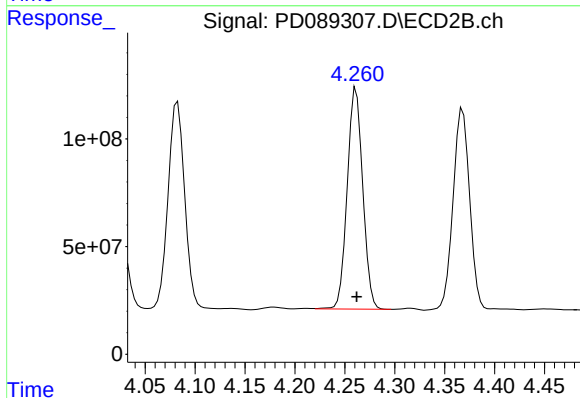
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 248929472
Conc: 48.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

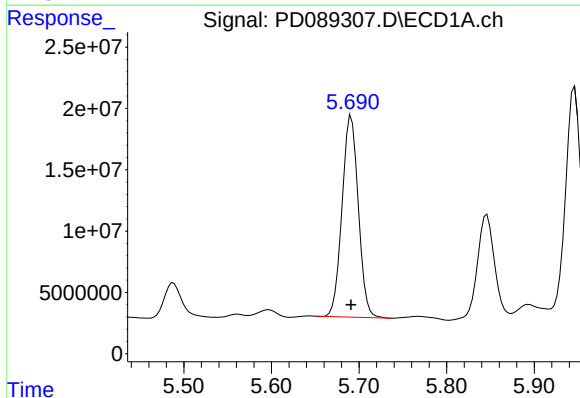
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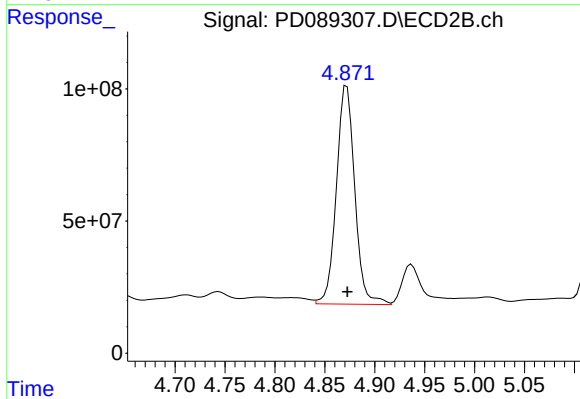
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 1112068801
Conc: 44.71 ng/ml



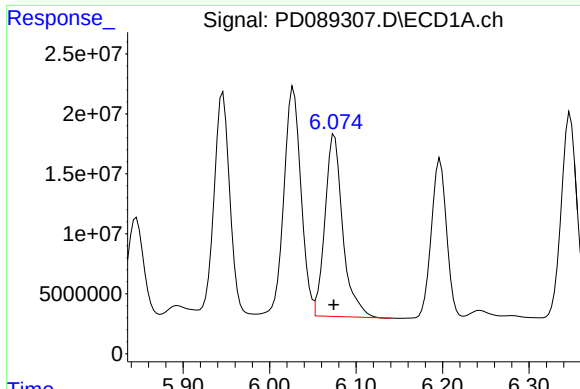
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 212204354
Conc: 43.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1060731079
Conc: 48.44 ng/ml



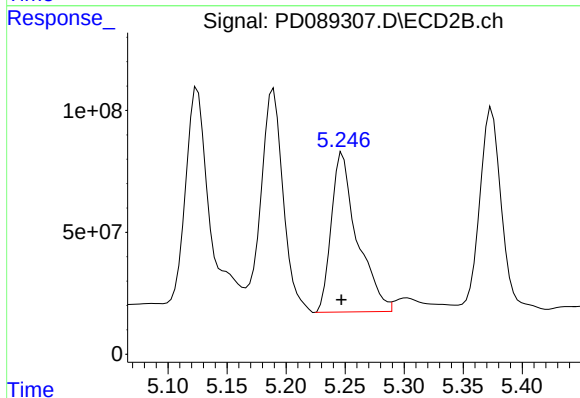
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 215817121
Conc: 47.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

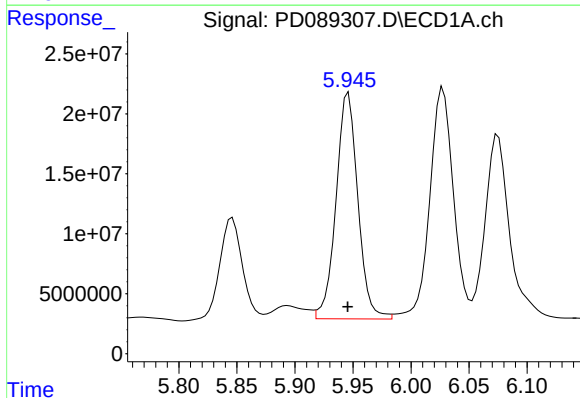
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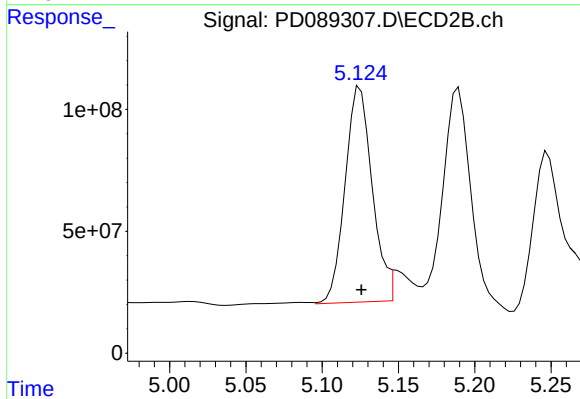
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 997663754
Conc: 47.87 ng/ml



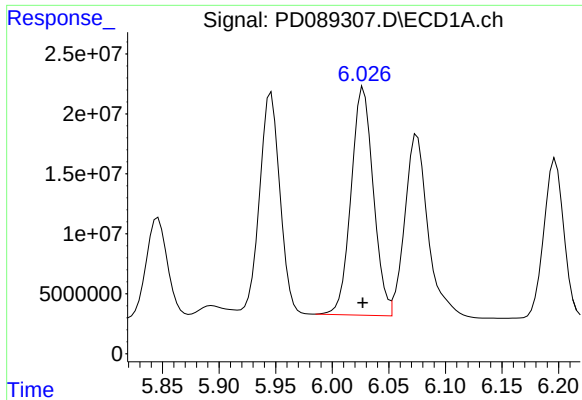
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 247187188
Conc: 51.63 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1117855501
Conc: 46.73 ng/ml m



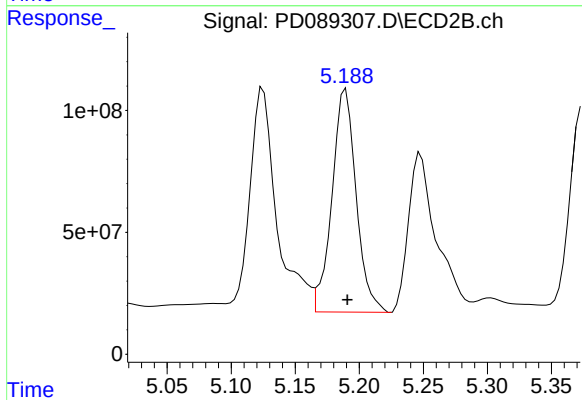
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 260222547
Conc: 53.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

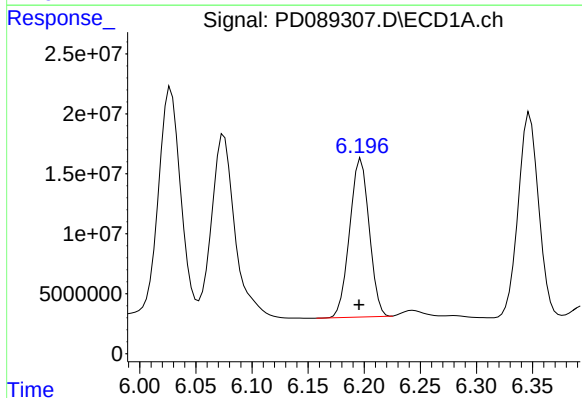
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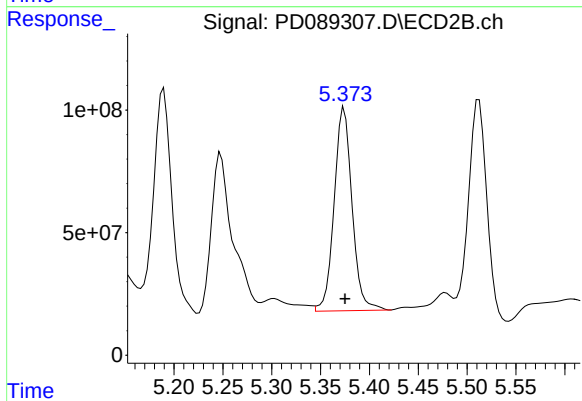
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.001 min
Response: 1203530840
Conc: 52.56 ng/ml



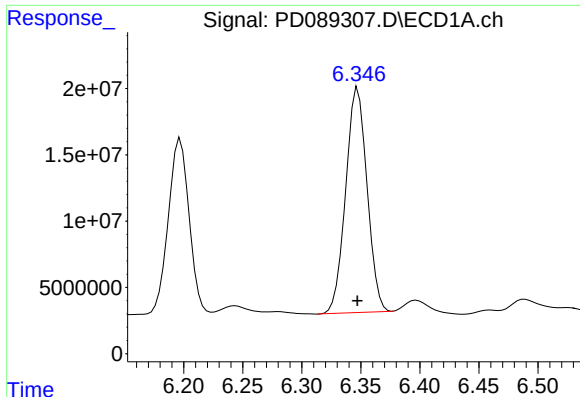
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.002 min
Response: 159779530
Conc: 36.64 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 1057958280
Conc: 46.17 ng/ml



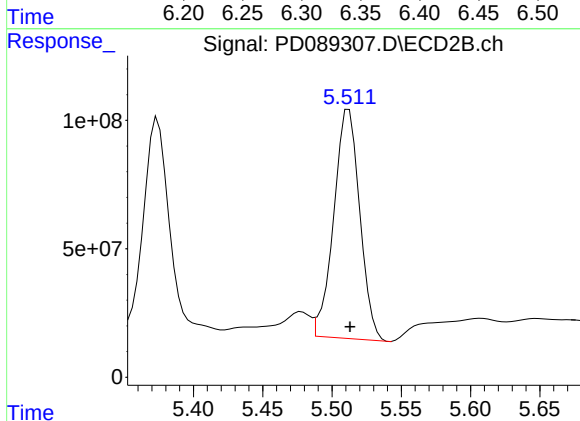
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 213584671
Conc: 44.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

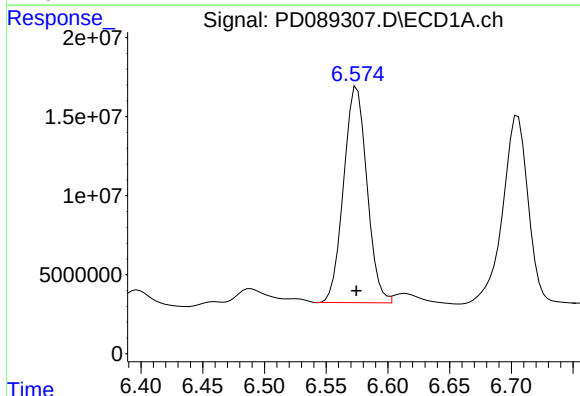
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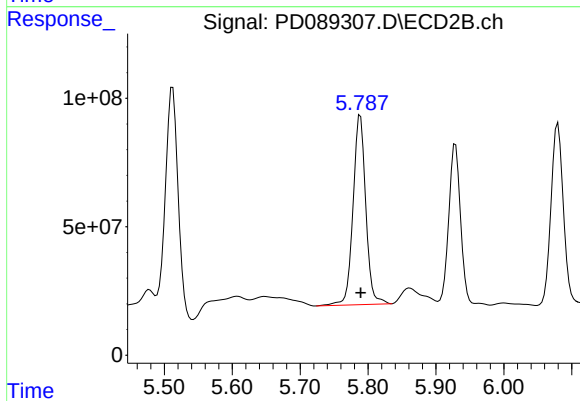
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 1166455717
Conc: 50.26 ng/ml



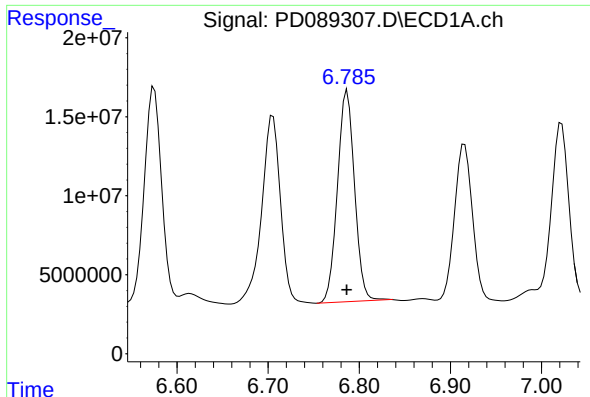
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 179541498
Conc: 43.52 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 965196220
Conc: 44.45 ng/ml



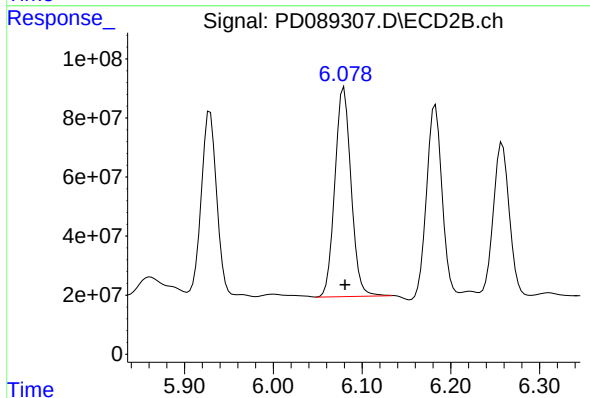
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 173866492
Conc: 43.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

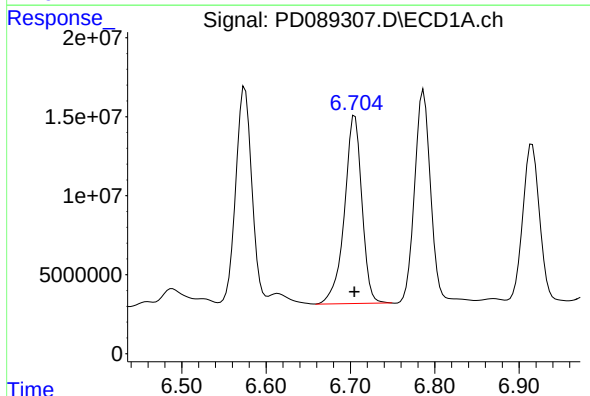
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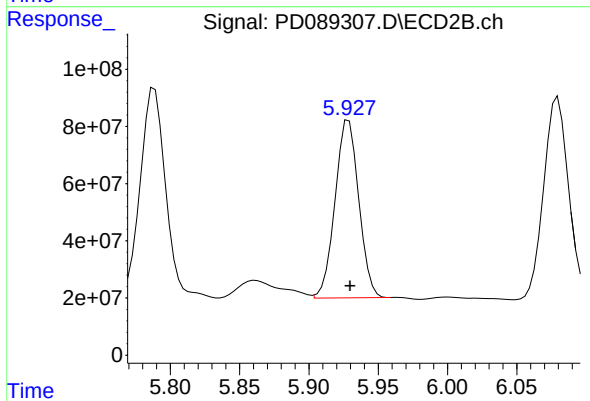
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 898998565
Conc: 44.51 ng/ml



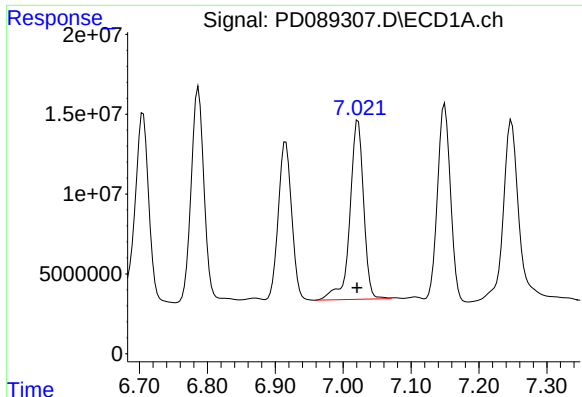
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 170814494
Conc: 49.77 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.002 min
Response: 739578542
Conc: 38.66 ng/ml



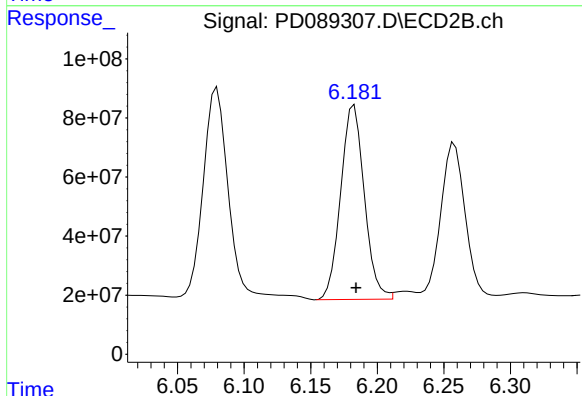
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.001 min
Response: 157837940
Conc: 41.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

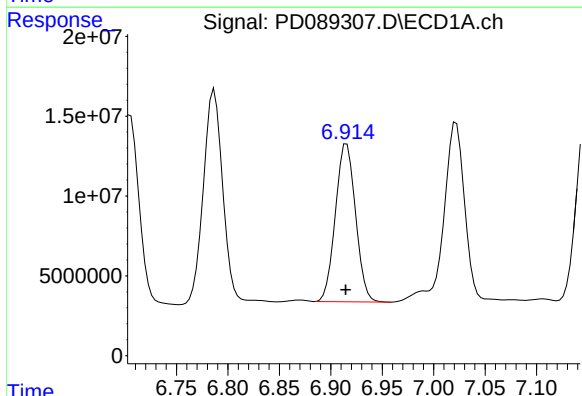
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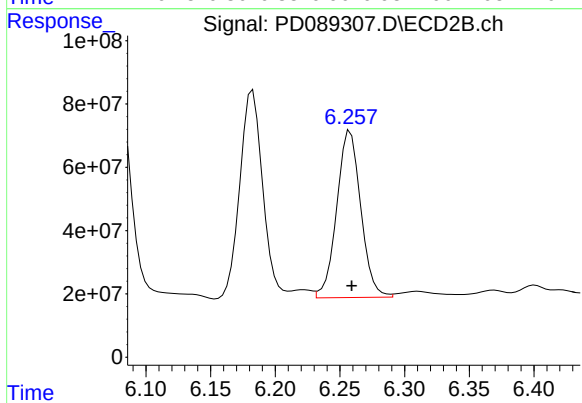
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.002 min
Response: 814279422
Conc: 40.15 ng/ml



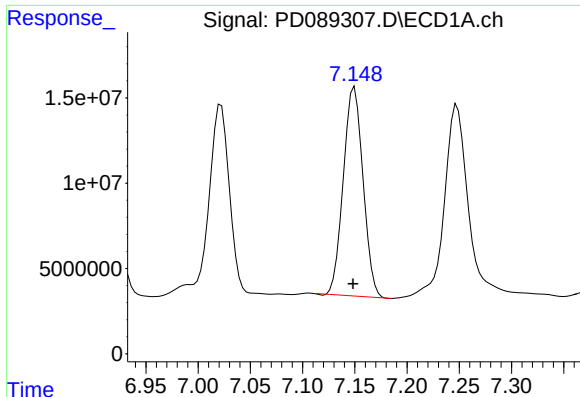
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 134950489
Conc: 44.04 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 680603705
Conc: 44.45 ng/ml



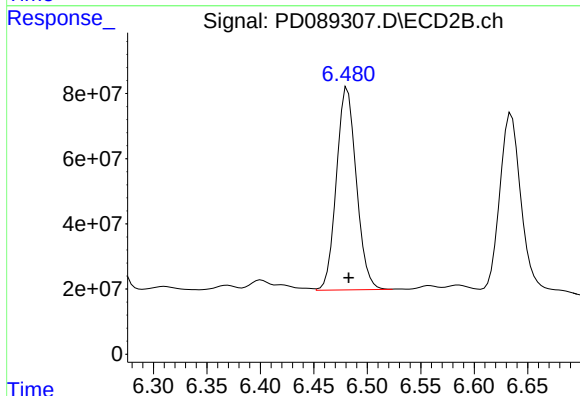
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.002 min
Response: 160758361
Conc: 41.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

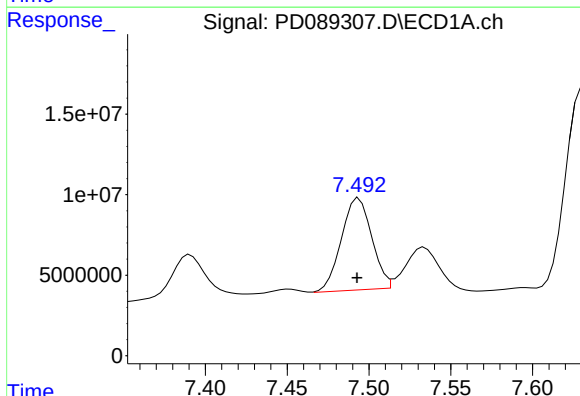
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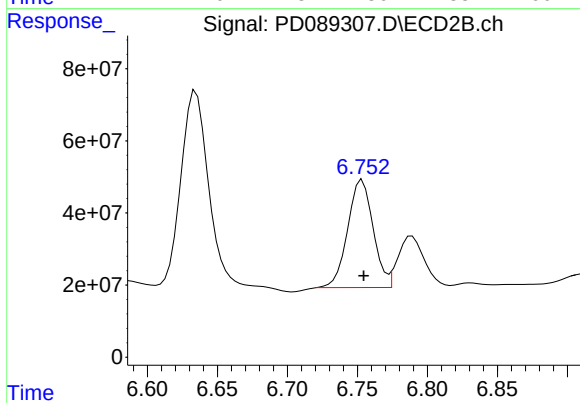
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 805235834
Conc: 41.04 ng/ml



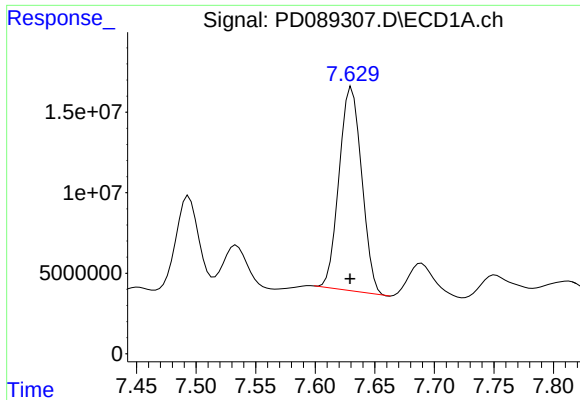
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 74648861
Conc: 36.94 ng/ml m



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 380081063
Conc: 35.30 ng/ml m



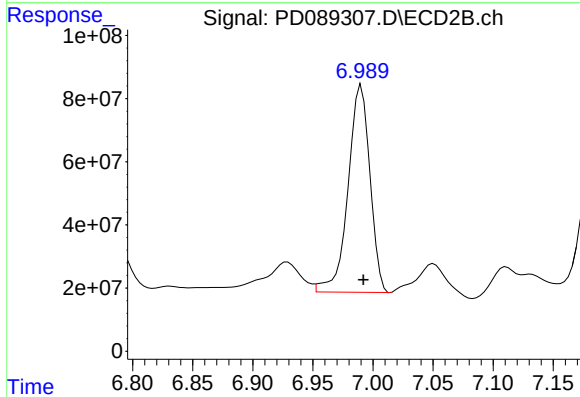
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 167399536
Conc: 41.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILEMS

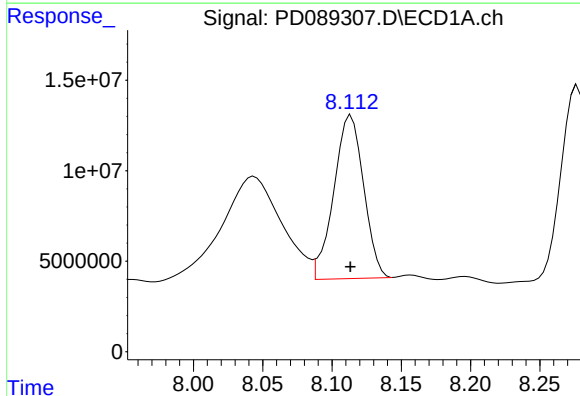
Manual Integrations
APPROVED

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



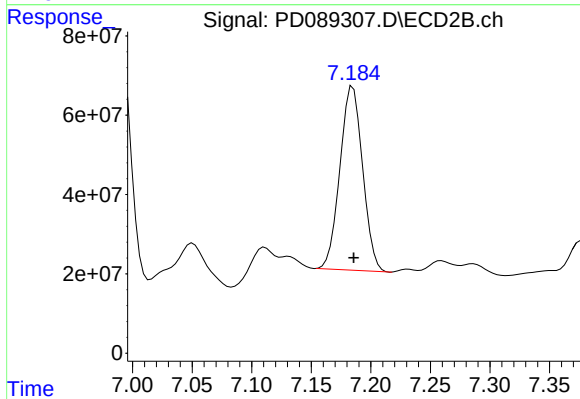
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 833424374
Conc: 38.58 ng/ml



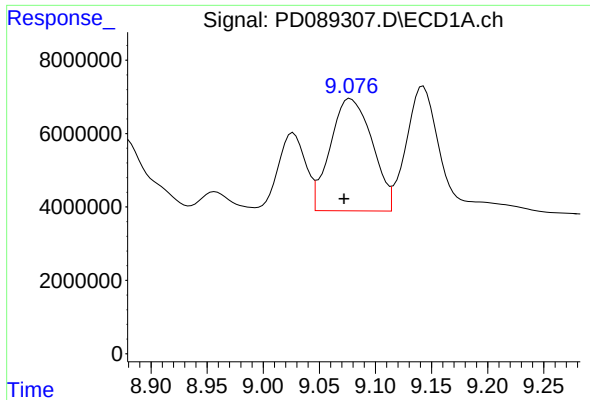
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 134600182
Conc: 44.27 ng/ml m



#22 Mirex

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 615356568
Conc: 36.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.004 min
Response: 79464153
Conc: 20.23 ng/ml

Instrument :

ECD_D

ClientSampleId :

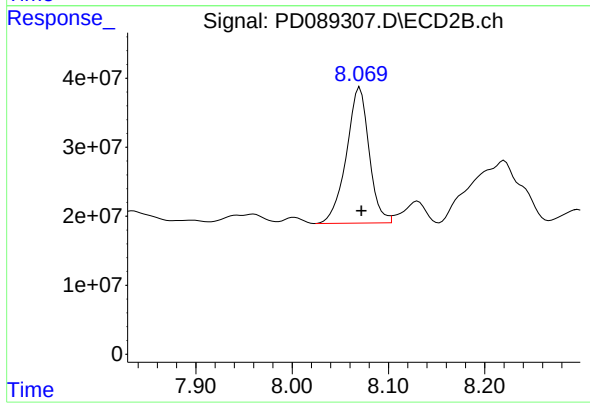
SOIL-PILEMS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 320927585
Conc: 16.23 ng/ml