

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088622.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:49
 Operator : AR\AJ
 Sample : Q2027-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B27-SOIL-SAMPLEMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 04:46:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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	2.882	36019627	281.0E6	16.647	18.579
28) SA Decachlor...	9.075	8.074	44561010	232.1E6	13.021	12.713
Target Compounds						
2) A alpha-BHC	4.000	3.395	262.8E6	1255.1E6	55.023	52.508
3) MA gamma-BHC...	4.331	3.731	258.8E6	1168.4E6	56.219	52.714
4) MA Heptachlor	4.930	4.084	220.1E6	1232.7E6	49.219	54.895
5) MB Aldrin	5.272	4.370	223.8E6	1066.6E6	50.925	48.638
6) B beta-BHC	4.516	4.026	97929820	520.1E6	54.310	53.388
7) B delta-BHC	4.763	4.263	291.8E6	1204.3E6	69.038m	54.017
8) B Heptachlo...	5.692	4.874	217.9E6	1044.2E6	54.885	52.549
9) A Endosulfan I	6.076	5.248	209.4E6	994.6E6	55.656	52.405
10) B gamma-Chl...	5.947	5.127	219.0E6	1116.0E6	54.904	52.316
11) B alpha-Chl...	6.028	5.192	219.3E6	1076.6E6	54.746	52.199
12) B 4,4'-DDE	6.197	5.376	195.8E6	1068.9E6	54.554	51.136
13) MA Dieldrin	6.348	5.514	226.0E6	1109.6E6	56.326	52.726
14) MA Endrin	6.576	5.790	192.2E6	1024.2E6	56.274	53.109
15) B Endosulfa...	6.787	6.082	189.2E6	970.2E6	54.932	52.951
16) A 4,4'-DDD	6.706	5.930	160.5E6	948.3E6	57.624	54.524
17) MA 4,4'-DDT	7.022	6.184	154.9E6	868.5E6	49.616	47.886
18) B Endrin al...	6.916	6.260	138.8E6	727.3E6	53.903	52.218
19) B Endosulfa...	7.151	6.484	176.0E6	939.7E6	54.943	52.924
20) A Methoxychlor	7.494	6.755	82400192	467.1E6	49.325	48.785
21) B Endrin ke...	7.631	6.993	188.1E6	1010.5E6	54.942	52.227
22) Mirex	8.115	7.187	132.4E6	746.2E6	50.943	49.082

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:49
Operator : AR\AJ
Sample : Q2027-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

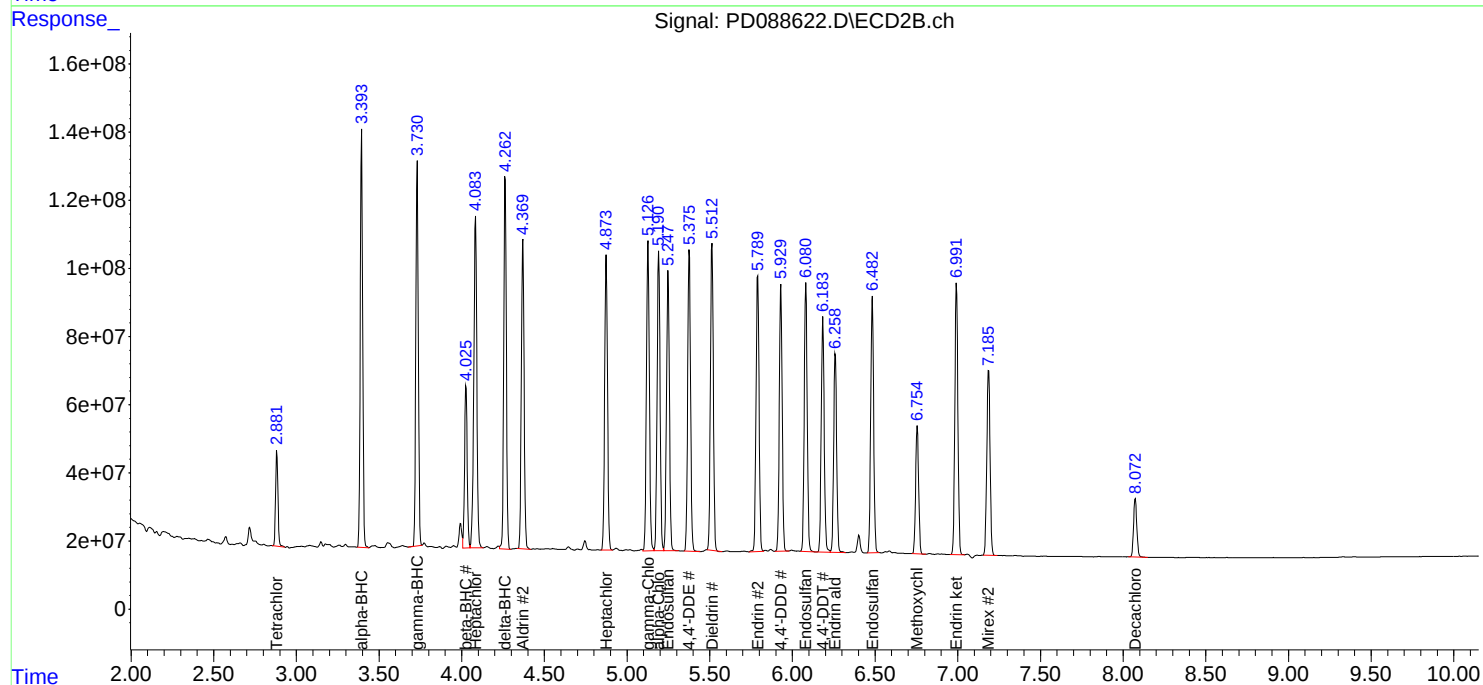
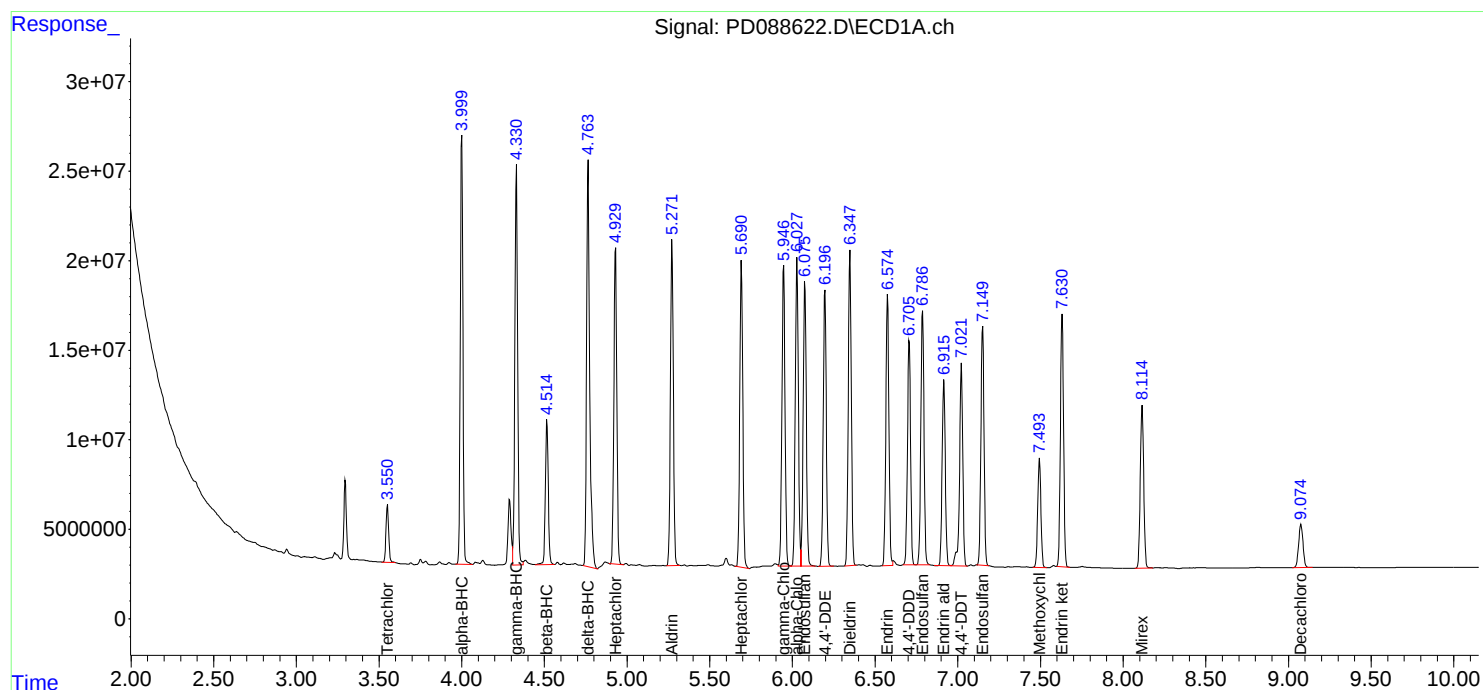
Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

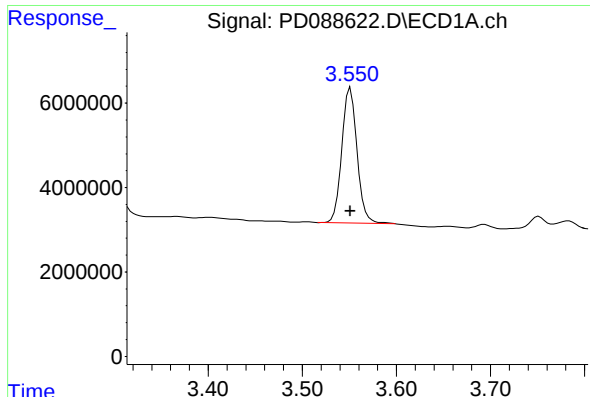
Manual Integrations
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Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 04:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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





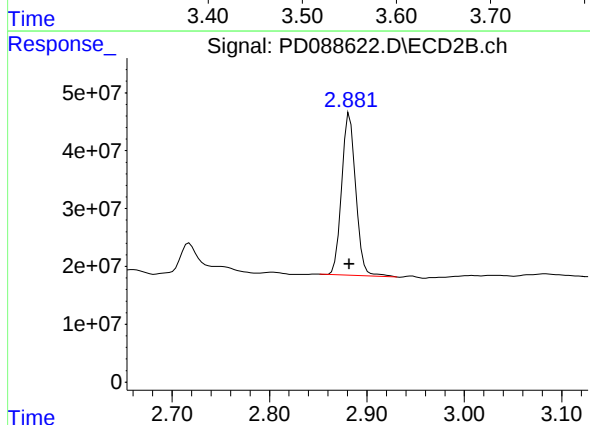
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 36019627
Conc: 16.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

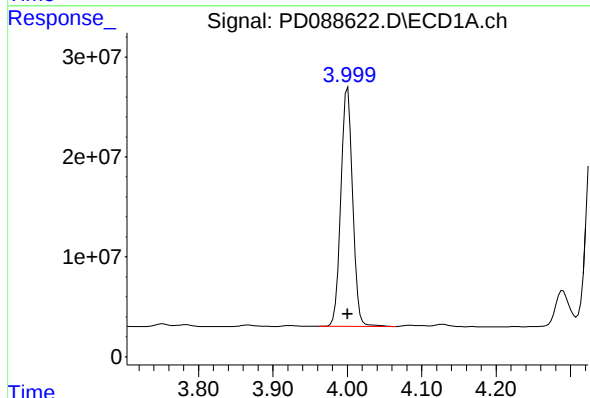
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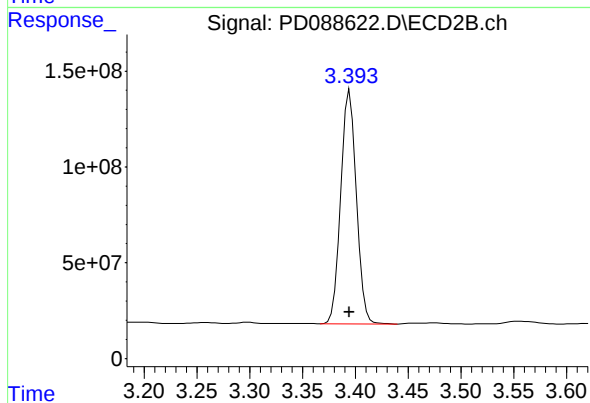
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 281041786
Conc: 18.58 ng/ml



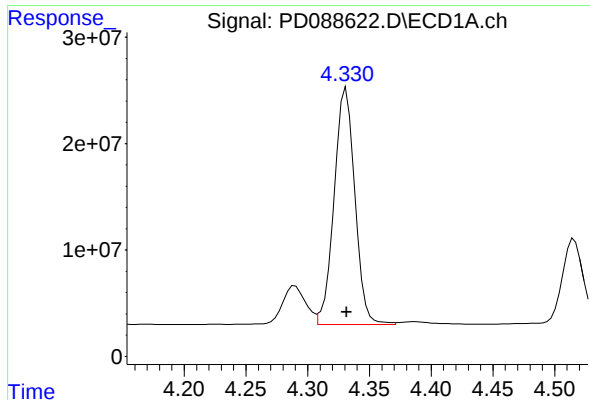
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 262822591
Conc: 55.02 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1255126478
Conc: 52.51 ng/ml



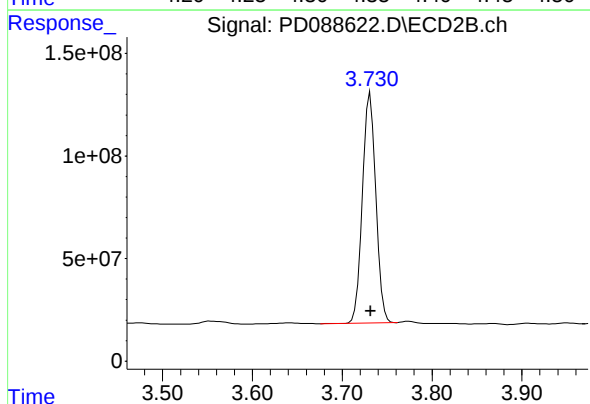
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 258758050
Conc: 56.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

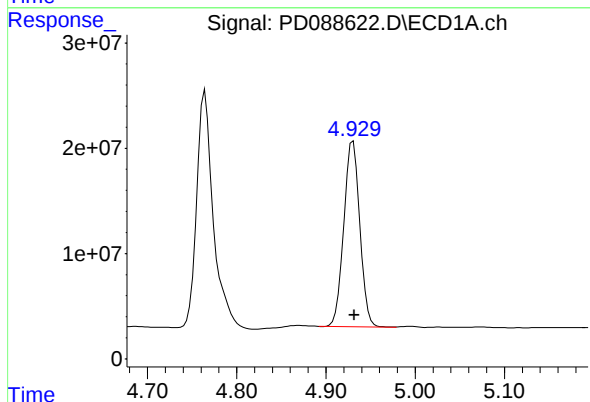
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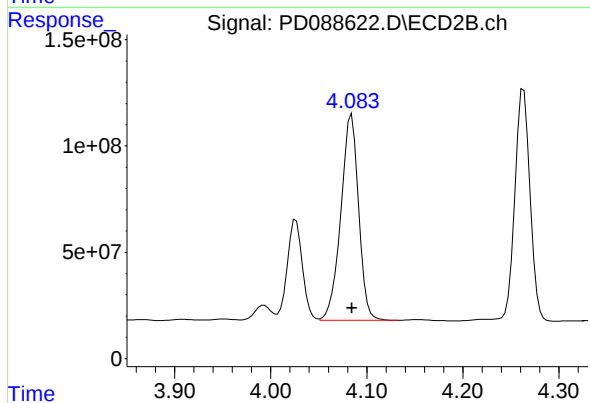
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1168449150
Conc: 52.71 ng/ml



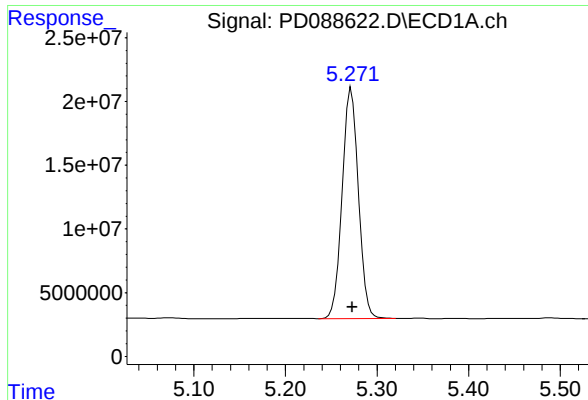
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: -0.001 min
Response: 220066967
Conc: 49.22 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 1232663072
Conc: 54.90 ng/ml



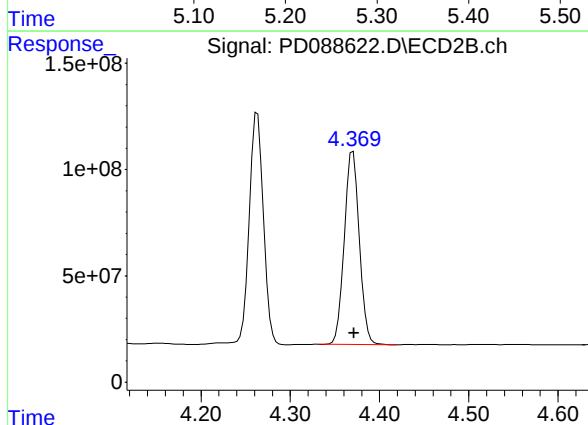
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: -0.001 min
Response: 223792858
Conc: 50.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

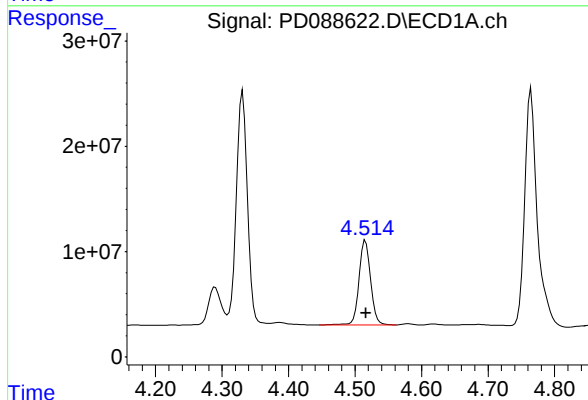
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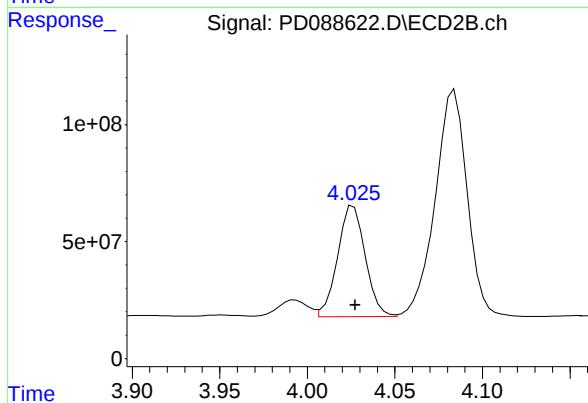
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.001 min
Response: 1066629079
Conc: 48.64 ng/ml



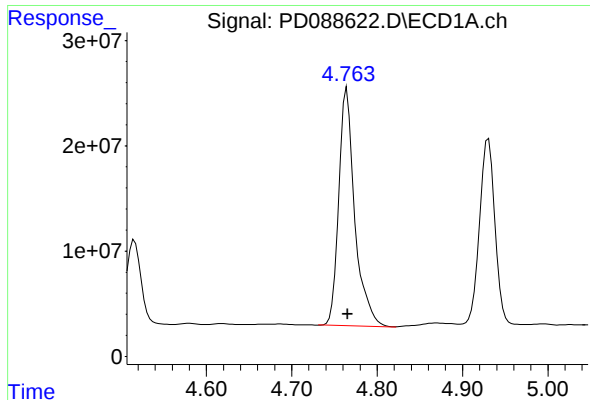
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 97929820
Conc: 54.31 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 520095905
Conc: 53.39 ng/ml



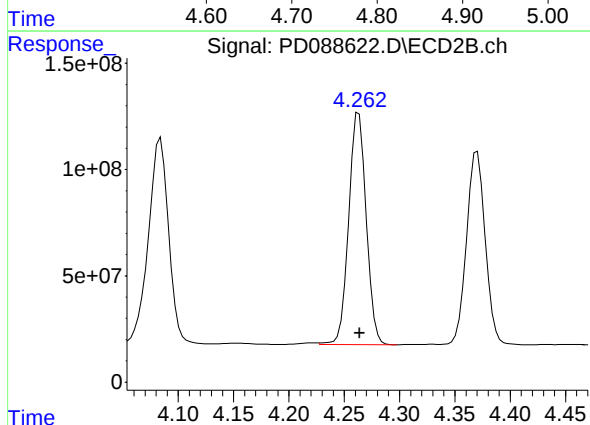
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 291765516
Conc: 69.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

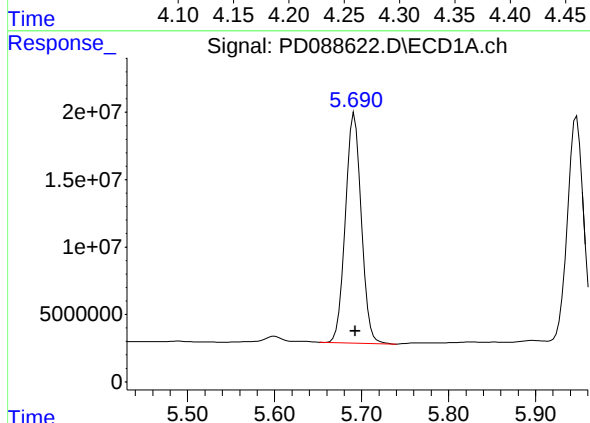
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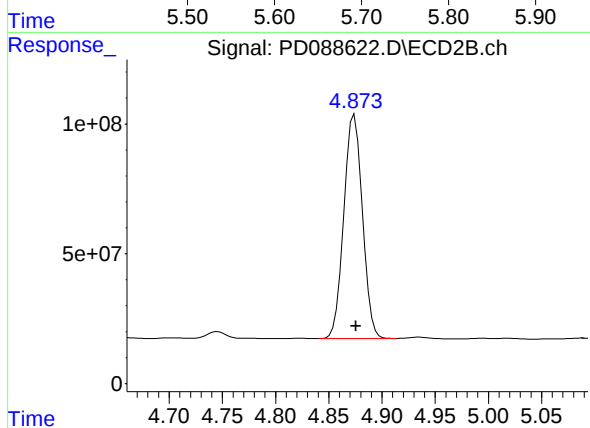
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1204250110
Conc: 54.02 ng/ml



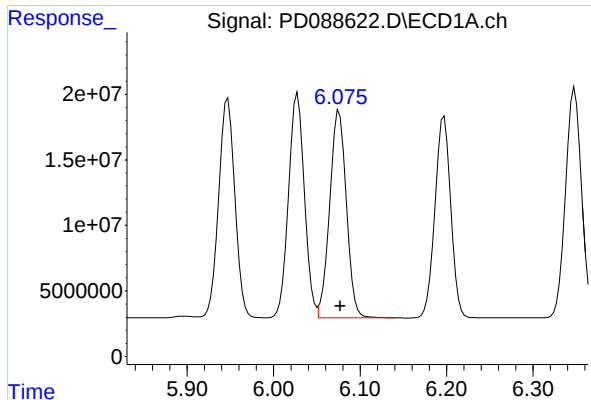
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 217853817
Conc: 54.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 1044208894
Conc: 52.55 ng/ml



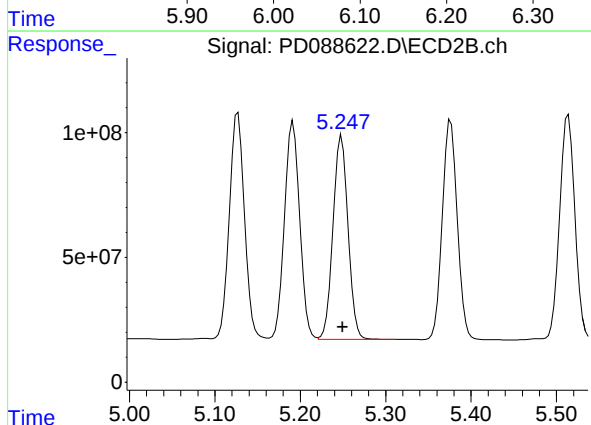
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 209429514
Conc: 55.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

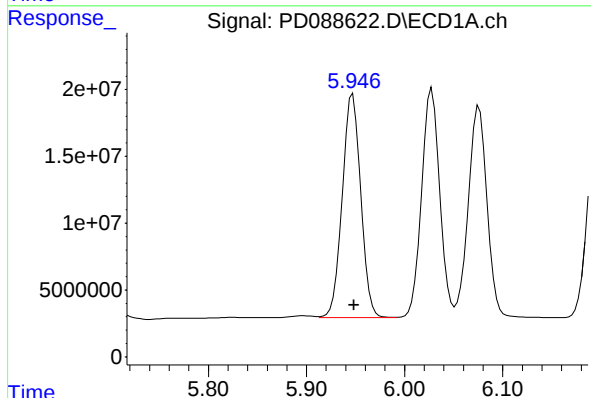
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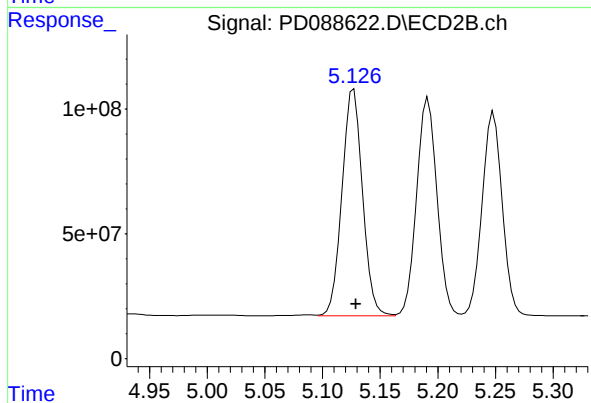
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.001 min
Response: 994571222
Conc: 52.41 ng/ml



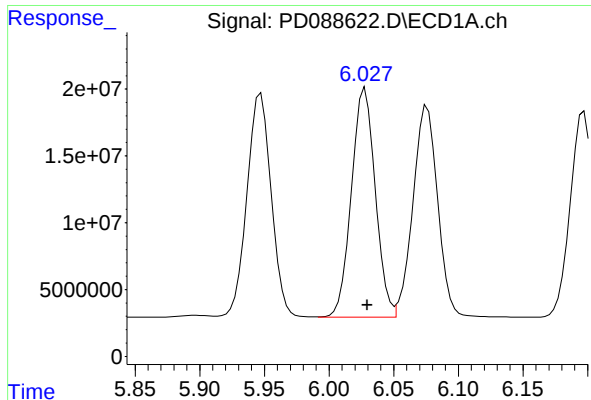
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 219010144
Conc: 54.90 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 1115996575
Conc: 52.32 ng/ml



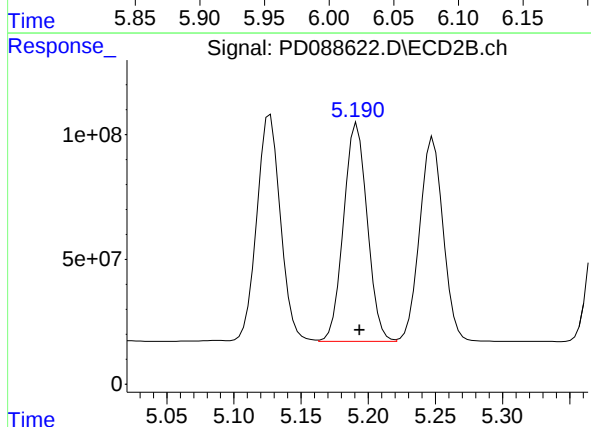
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: -0.002 min
Response: 219327508
Conc: 54.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

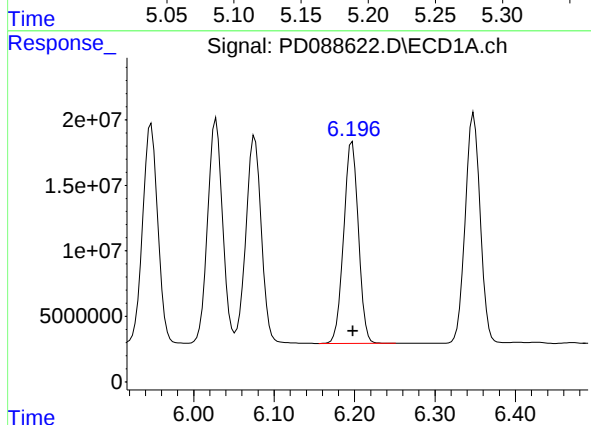
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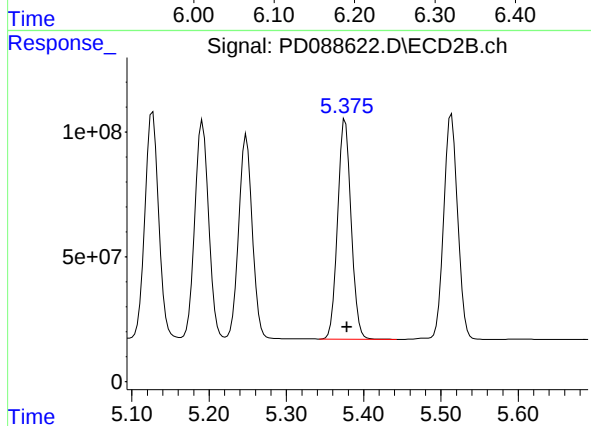
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 1076597344
Conc: 52.20 ng/ml



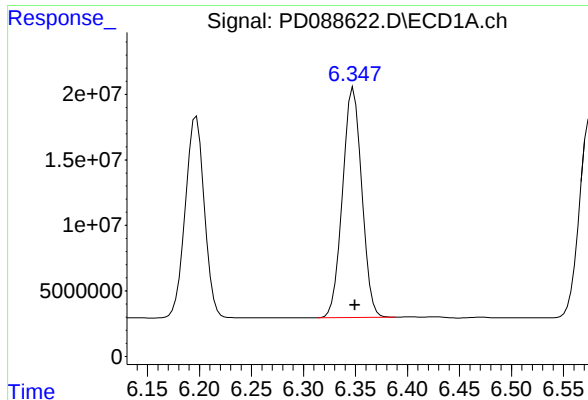
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: -0.001 min
Response: 195815362
Conc: 54.55 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 1068891053
Conc: 51.14 ng/ml



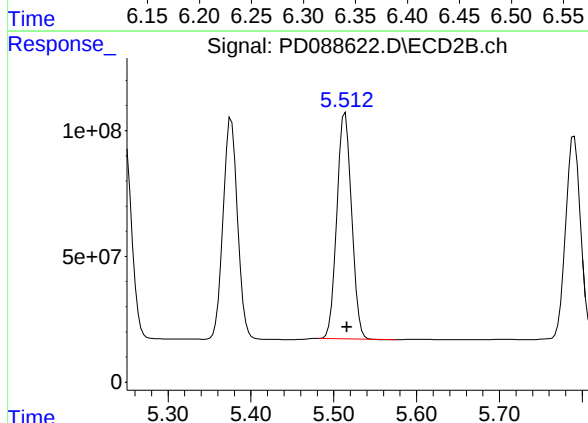
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: -0.001 min
Response: 225962830
Conc: 56.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
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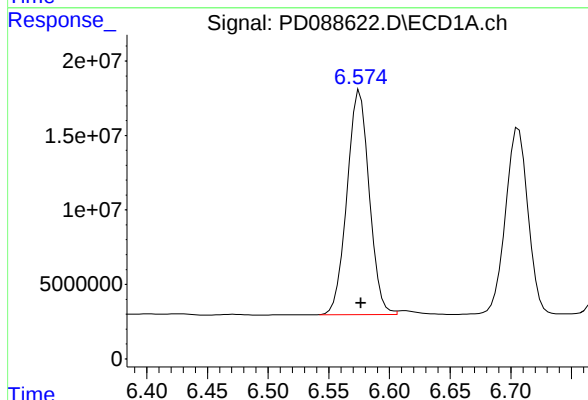
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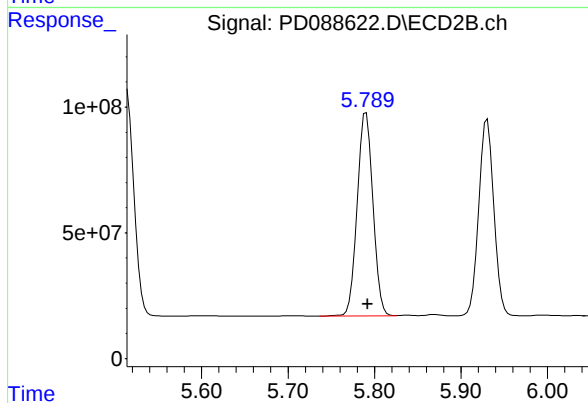
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 1109567580
Conc: 52.73 ng/ml



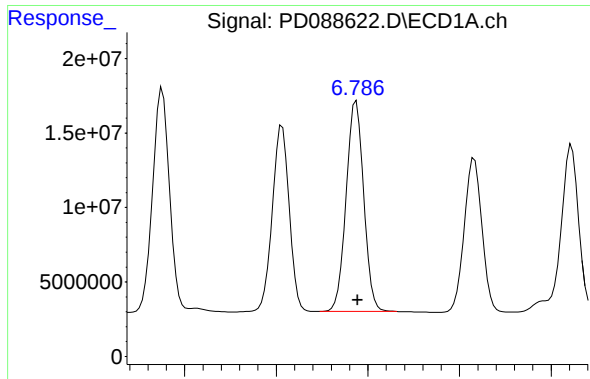
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 192186672
Conc: 56.27 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 1024156051
Conc: 53.11 ng/ml



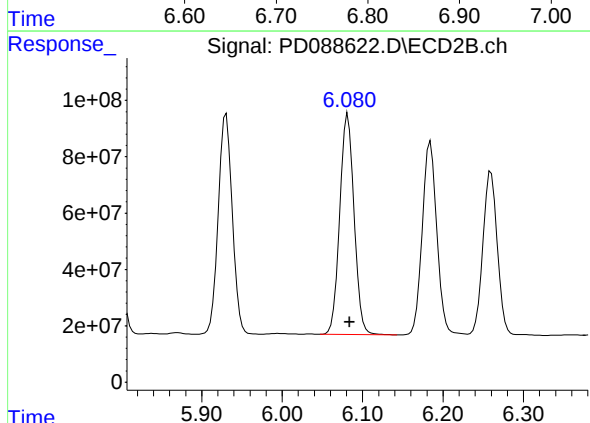
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: -0.001 min
Response: 189161872
Conc: 54.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

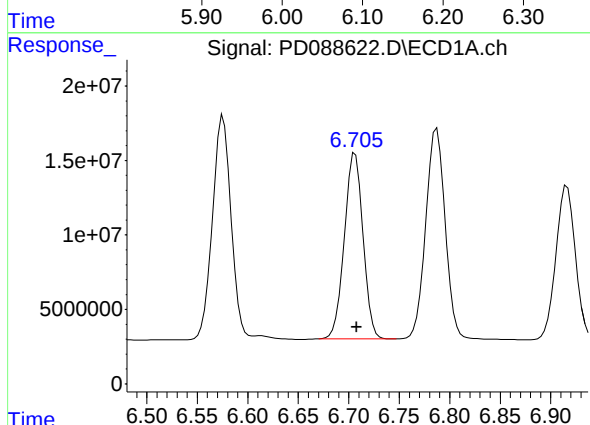
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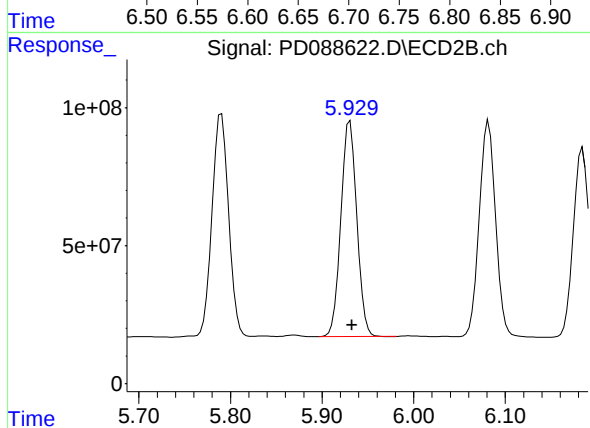
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 970157812
Conc: 52.95 ng/ml



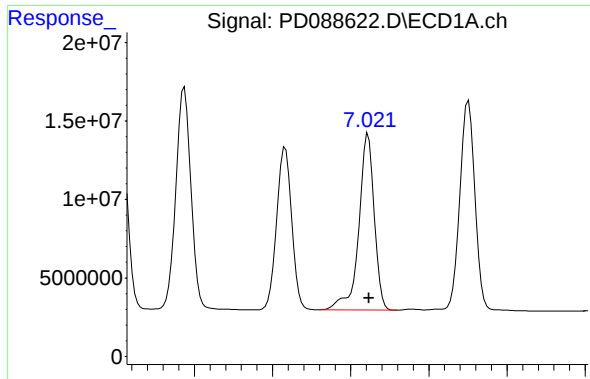
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.001 min
Response: 160489127
Conc: 57.62 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.002 min
Response: 948300040
Conc: 54.52 ng/ml



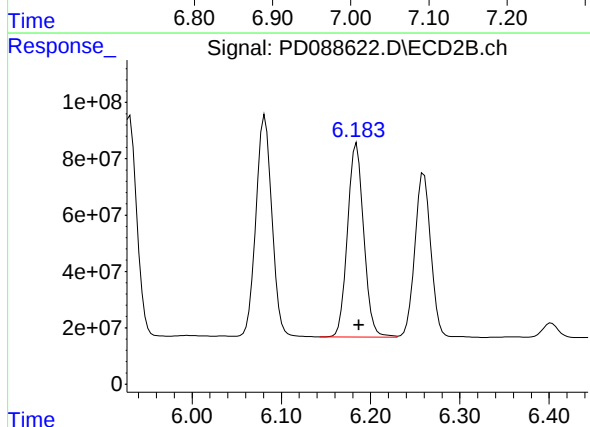
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 154902215
Conc: 49.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

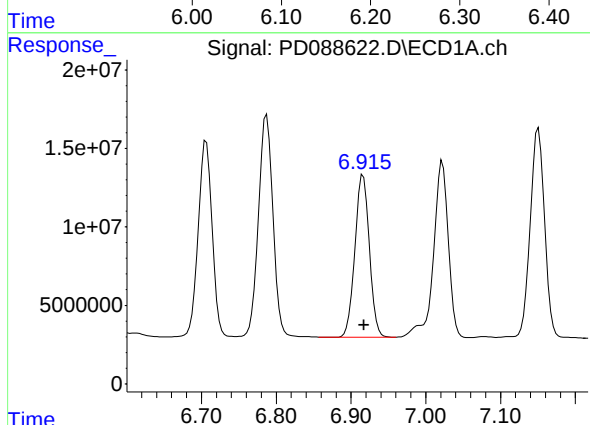
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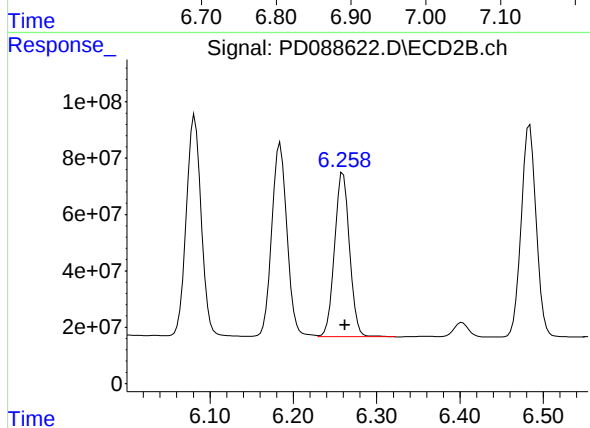
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 868526931
Conc: 47.89 ng/ml



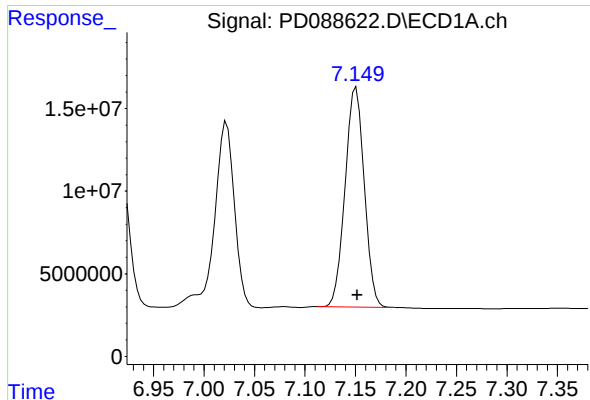
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.001 min
Response: 138780137
Conc: 53.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 727336835
Conc: 52.22 ng/ml



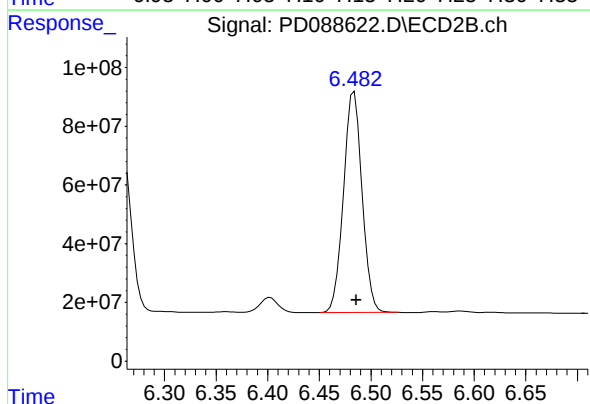
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 175987538
Conc: 54.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

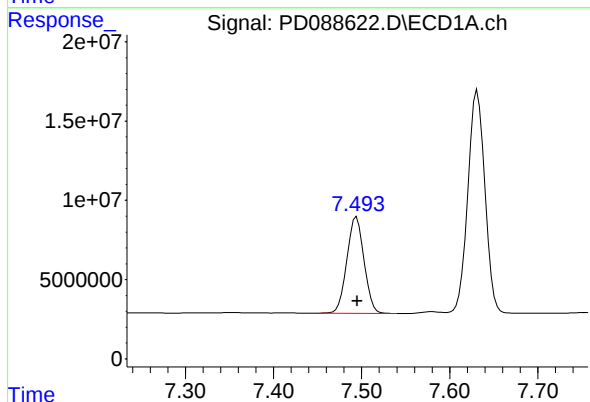
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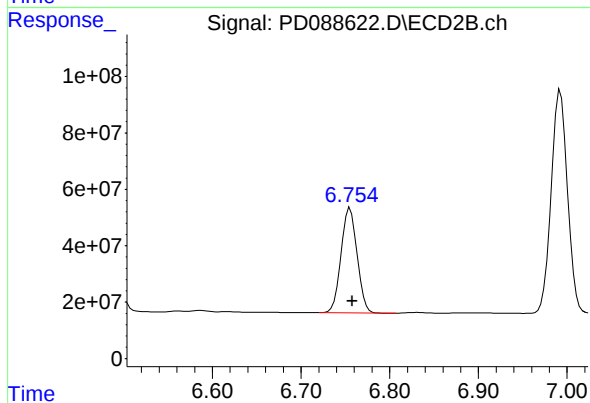
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 939708740
Conc: 52.92 ng/ml



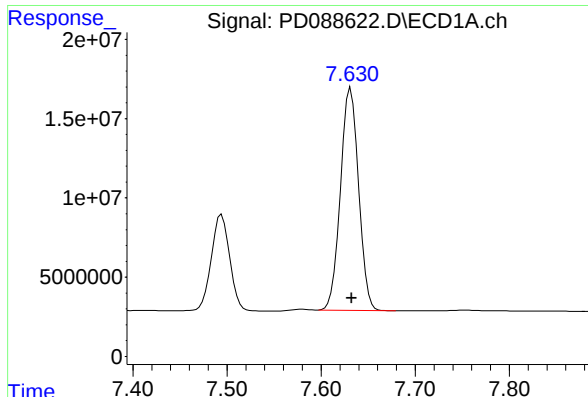
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: -0.001 min
Response: 82400192
Conc: 49.33 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 467104822
Conc: 48.78 ng/ml



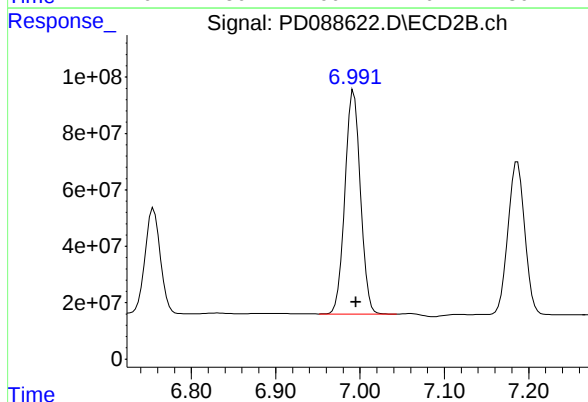
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 188074845
Conc: 54.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

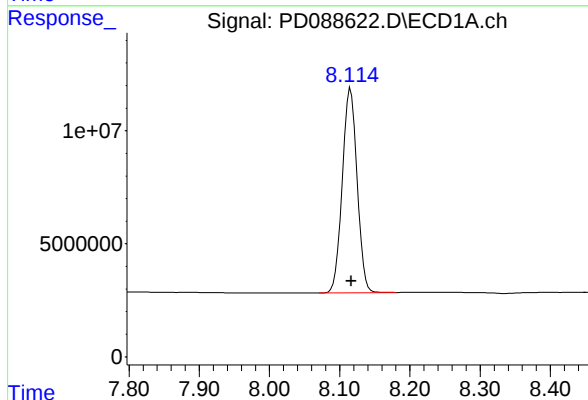
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



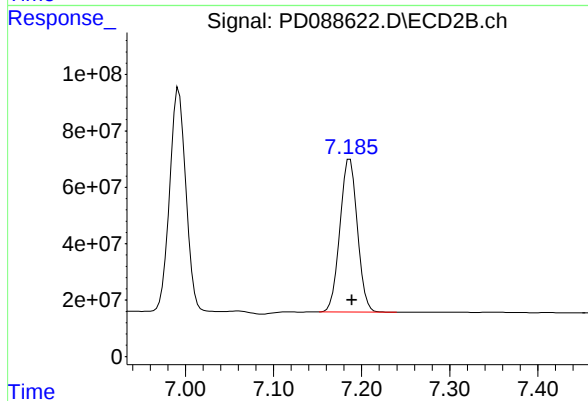
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 1010464311
Conc: 52.23 ng/ml



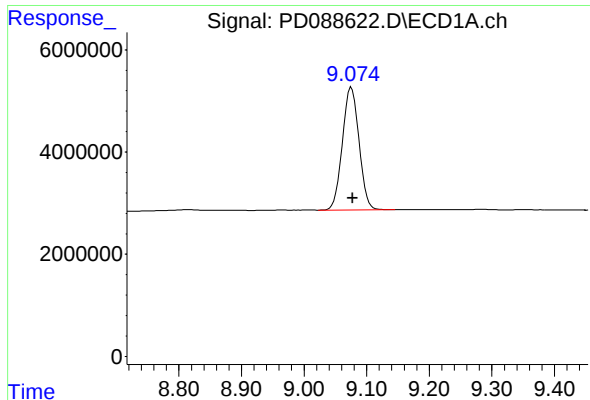
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.001 min
Response: 132364978
Conc: 50.94 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 746168298
Conc: 49.08 ng/ml



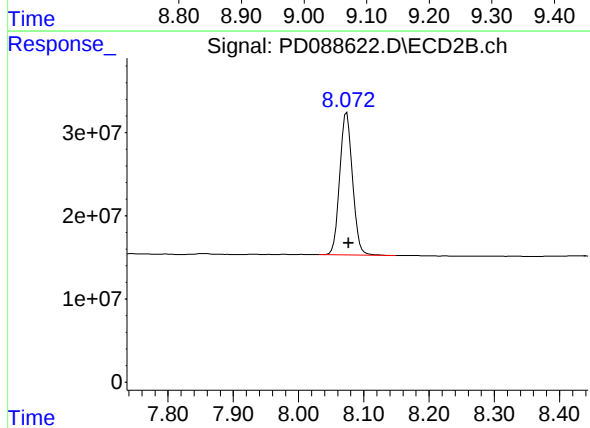
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: -0.002 min
Response: 44561010
Conc: 13.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
B27-SOIL-SAMPLEMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 232098210
Conc: 12.71 ng/ml