

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100325\
 Data File : PD090500.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Oct 2025 16:11
 Operator : AR\AJ
 Sample : Q3256-04MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOIL-PILE-1-WCMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/03/2025
 Supervised By : mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 02:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.876	46720279	364.6E6	14.373	13.283
28)	SA Decachlor...	9.061	8.060	84137849	500.6E6	17.438	15.443
Target Compounds							
2)	A alpha-BHC	3.994	3.387	257.3E6	1475.7E6	36.843	33.705
3)	MA gamma-BHC...	4.323	3.723	244.1E6	1378.3E6	36.889m	33.836
4)	MA Heptachlor	4.922	4.074	242.5E6	1365.6E6	36.669	33.538
5)	MB Aldrin	5.263	4.360	232.9E6	1320.5E6	36.675	33.065
6)	B beta-BHC	4.511	4.018	93627049	594.7E6	36.291	34.304
7)	B delta-BHC	4.758	4.255	252.7E6	1406.5E6	39.135m	34.059
8)	B Heptachlo...	5.684	4.863	217.5E6	1291.9E6	38.054	35.043
9)	A Endosulfan I	6.065	5.238	208.7E6	1201.4E6	38.638m	34.716
10)	B gamma-Chl...	5.938	5.116	214.7E6	1336.1E6	37.584	34.008
11)	B alpha-Chl...	6.018	5.181	227.3E6	1282.5E6	39.459m	34.049
12)	B 4,4'-DDE	6.188	5.365	199.0E6	1305.8E6	38.213	34.112
13)	MA Dieldrin	6.339	5.503	225.5E6	1352.6E6	39.121	34.729
14)	MA Endrin	6.566	5.779	193.8E6	1250.3E6	39.592	34.892
15)	B Endosulfa...	6.779	6.070	195.5E6	1189.5E6	40.084	35.245
16)	A 4,4'-DDD	6.698	5.919	159.5E6	1115.2E6	38.932	34.390
17)	MA 4,4'-DDT	7.013	6.173	178.7E6	1185.6E6	40.140	34.485
18)	B Endrin al...	6.907	6.249	146.4E6	902.6E6	42.680	38.333
19)	B Endosulfa...	7.142	6.472	184.4E6	1170.9E6	40.082	35.819
20)	A Methoxychlor	7.486	6.743	93635232	612.3E6	39.735	35.187
21)	B Endrin ke...	7.623	6.981	199.0E6	1272.0E6	40.228	35.232
22)	Mirex	8.105	7.174	145.9E6	946.1E6	39.379	34.271

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100325\
Data File : PD090500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2025 16:11
Operator : AR\AJ
Sample : Q3256-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

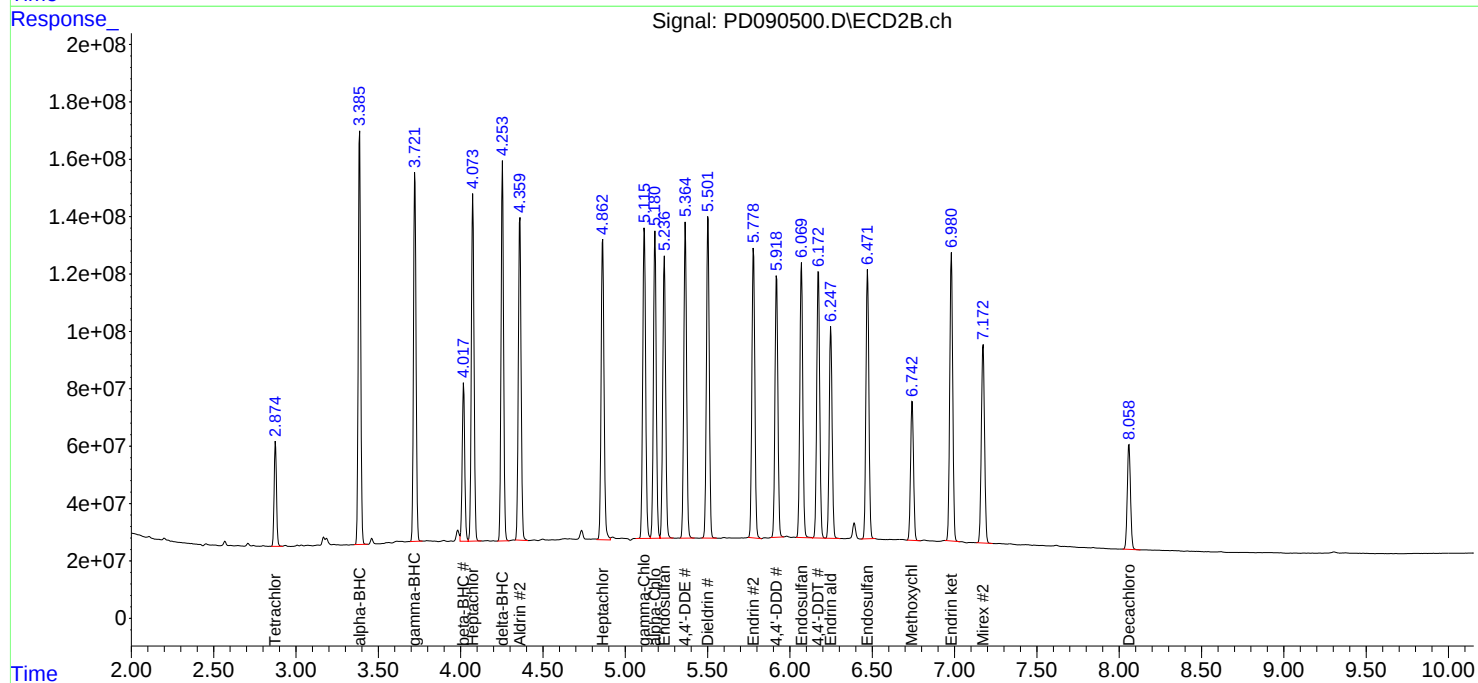
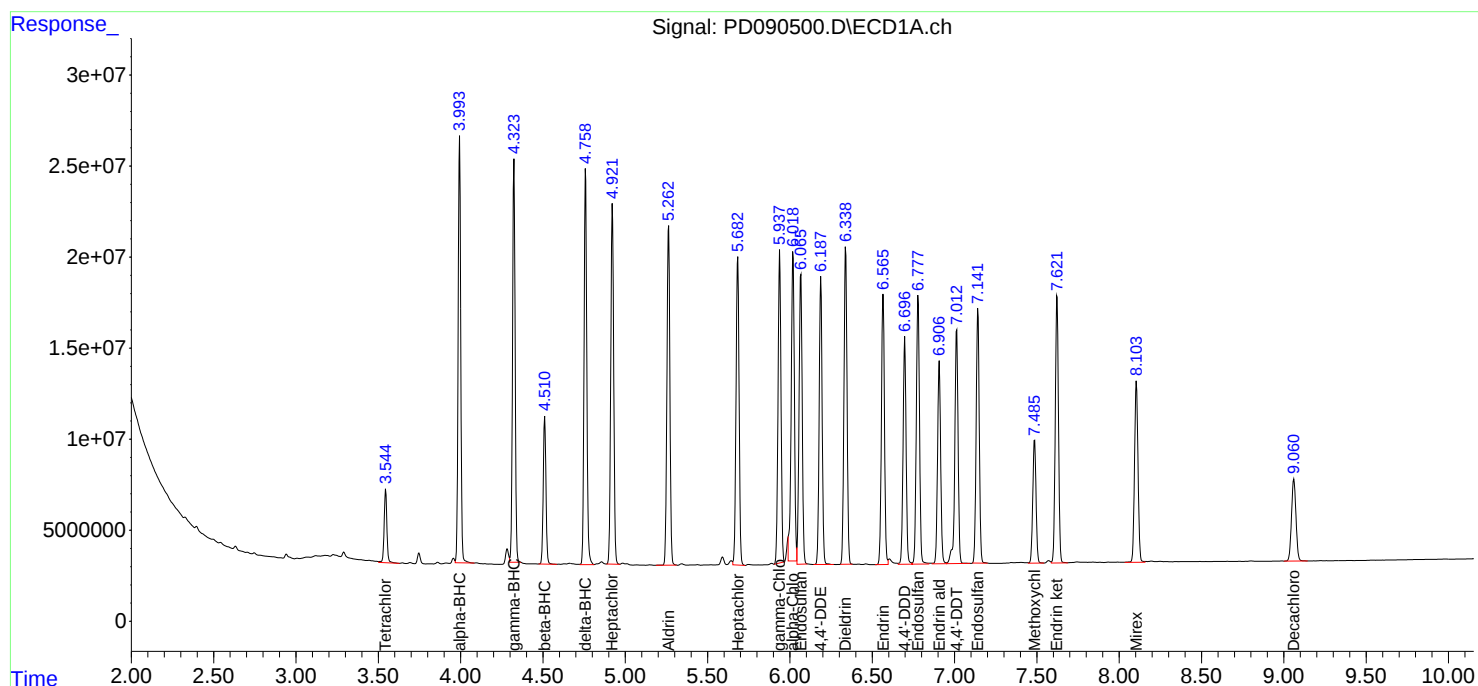
Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

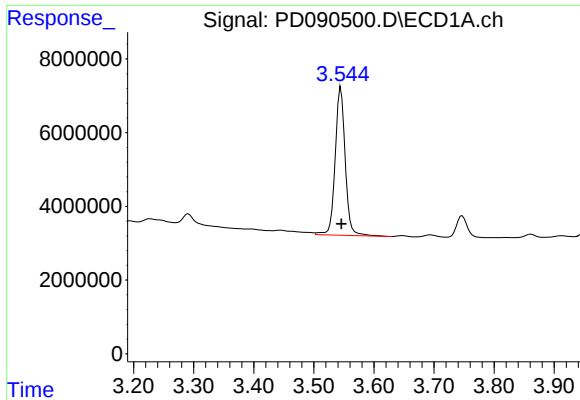
Manual Integrations
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Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 02:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





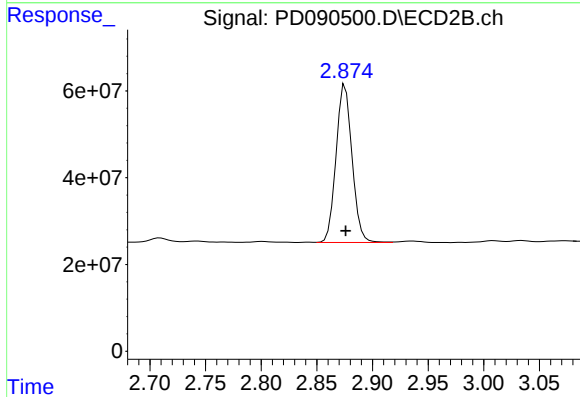
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 46720279
Conc: 14.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

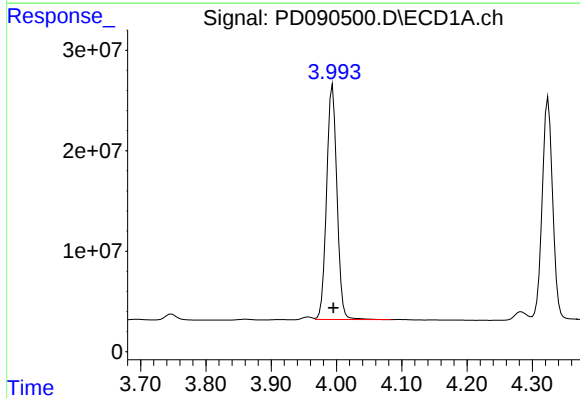
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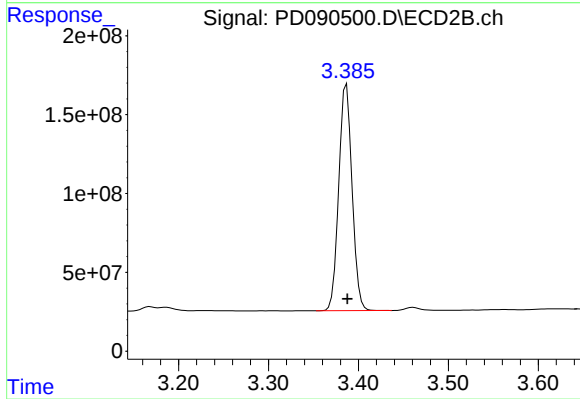
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 364607183
Conc: 13.28 ng/ml



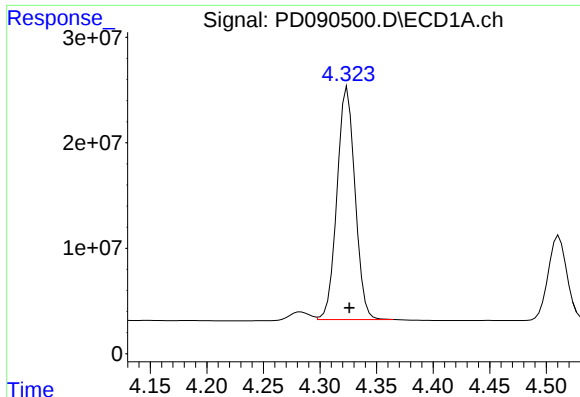
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 257332628
Conc: 36.84 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 1475700093
Conc: 33.70 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 244089790
Conc: 36.89 ng/ml

Instrument :

ECD_D

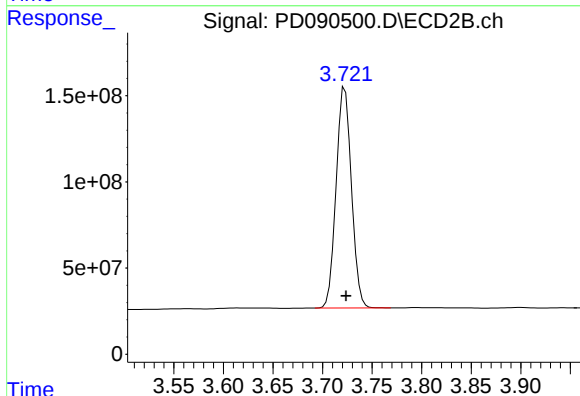
ClientSampleId :

SOIL-PILE-1-WCMSD

Manual Integrations

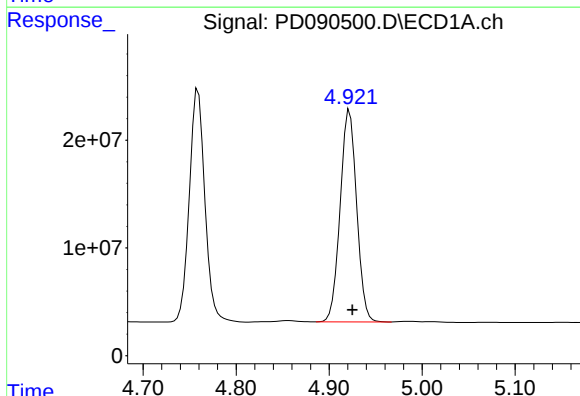
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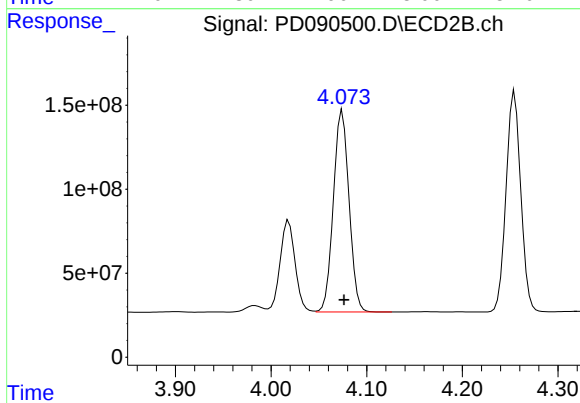
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 1378318722
Conc: 33.84 ng/ml



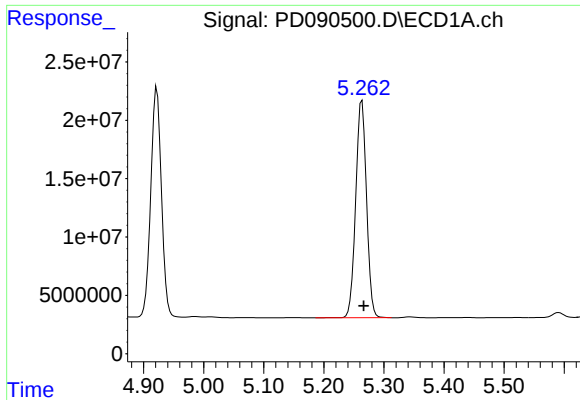
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: -0.003 min
Response: 242475511
Conc: 36.67 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 1365552197
Conc: 33.54 ng/ml



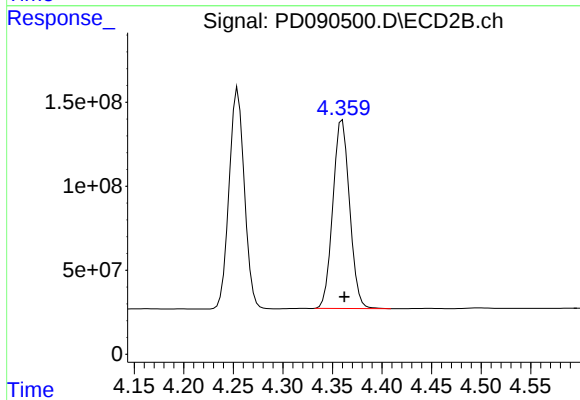
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.003 min
Response: 232884845
Conc: 36.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

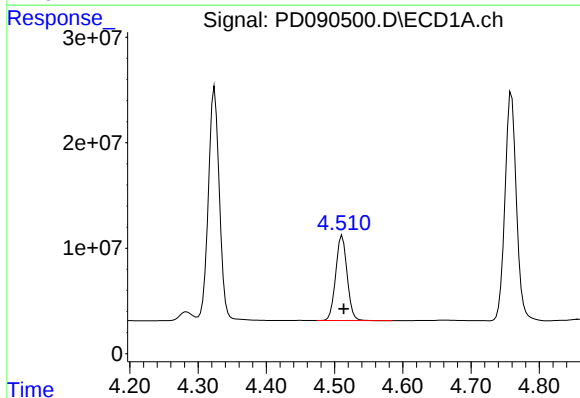
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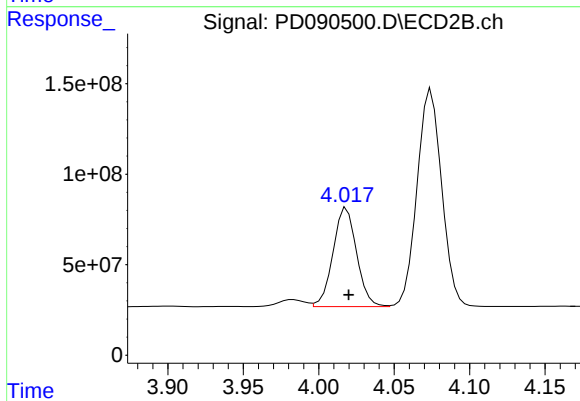
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1320453190
Conc: 33.07 ng/ml



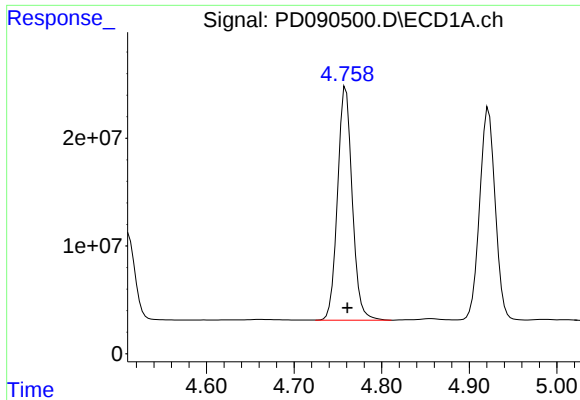
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 93627049
Conc: 36.29 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 594662271
Conc: 34.30 ng/ml



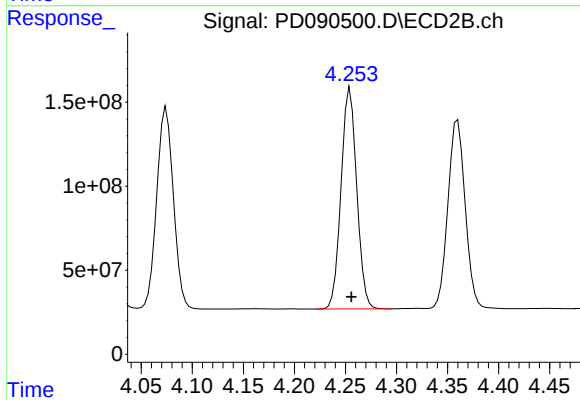
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 252716914
Conc: 39.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

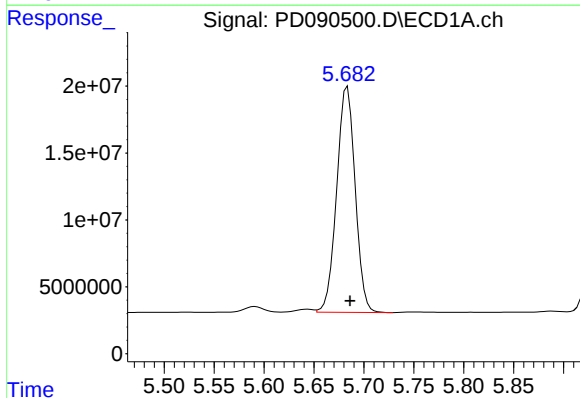
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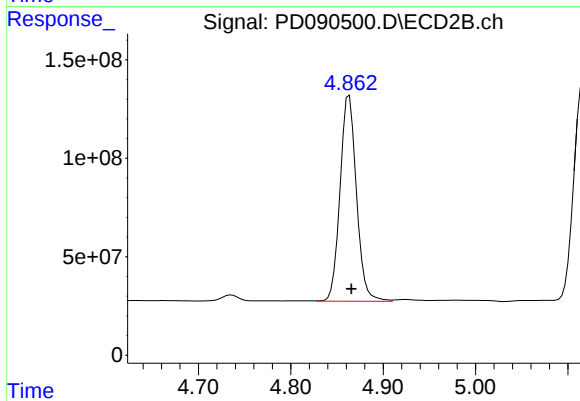
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 1406477528
Conc: 34.06 ng/ml



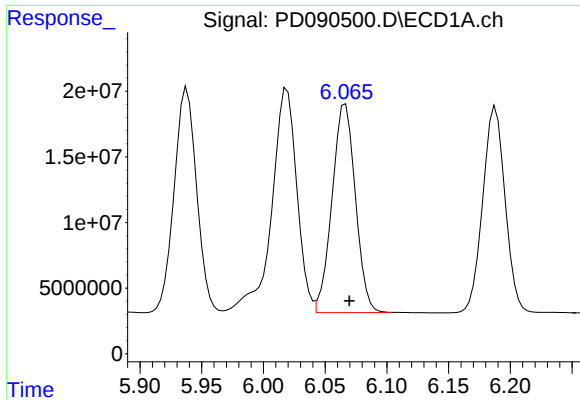
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.003 min
Response: 217477407
Conc: 38.05 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.003 min
Response: 1291872939
Conc: 35.04 ng/ml



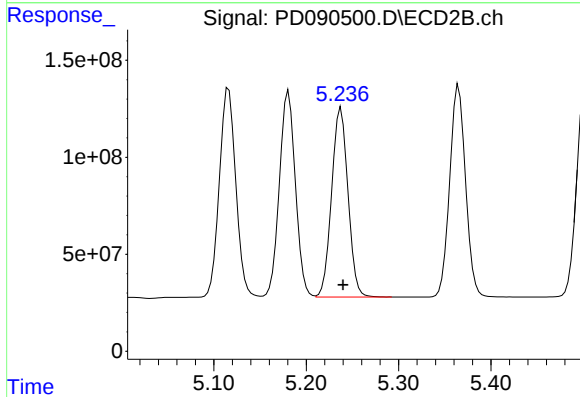
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 208702262
Conc: 38.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

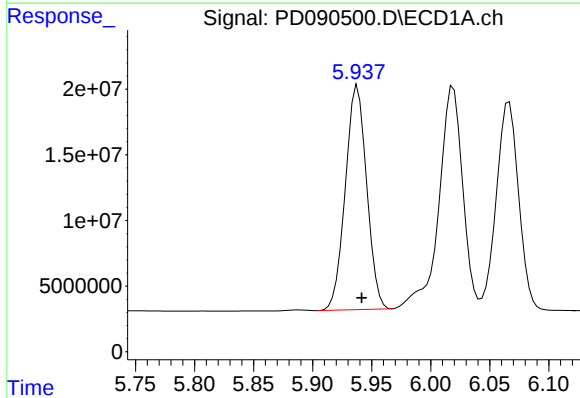
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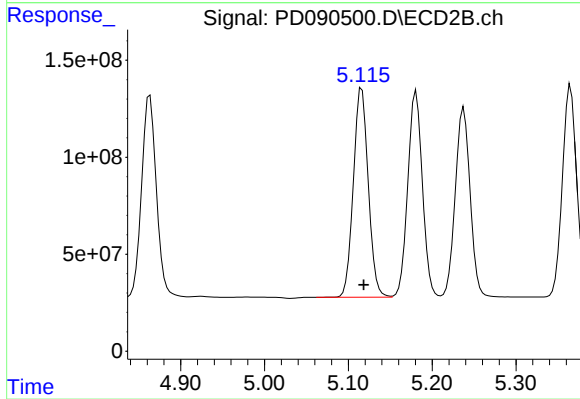
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1201364240
Conc: 34.72 ng/ml



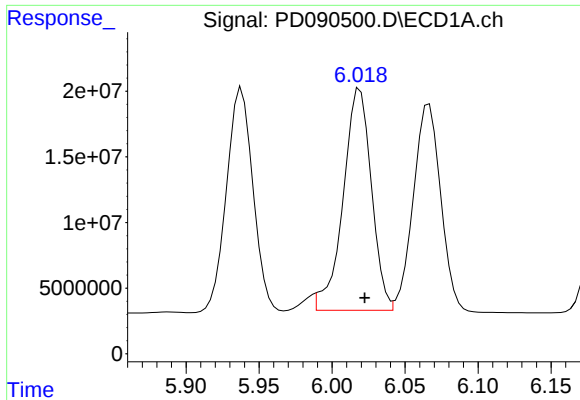
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.003 min
Response: 214678707
Conc: 37.58 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 1336050678
Conc: 34.01 ng/ml



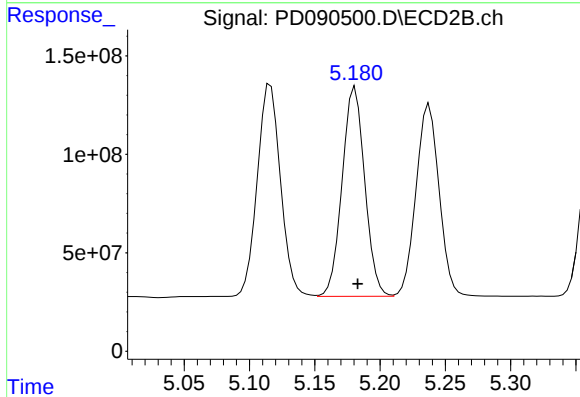
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.005 min
Response: 227316006
Conc: 39.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

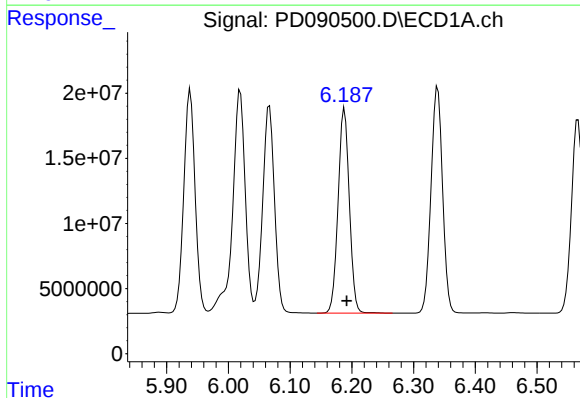
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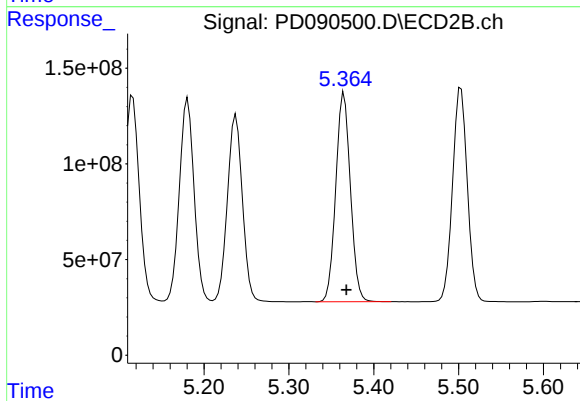
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1282459792
Conc: 34.05 ng/ml



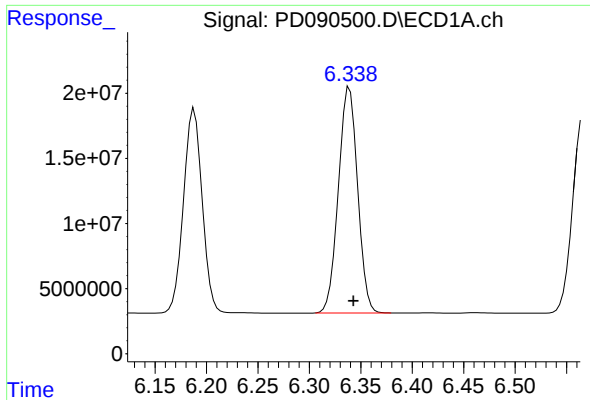
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.004 min
Response: 198992791
Conc: 38.21 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1305766946
Conc: 34.11 ng/ml



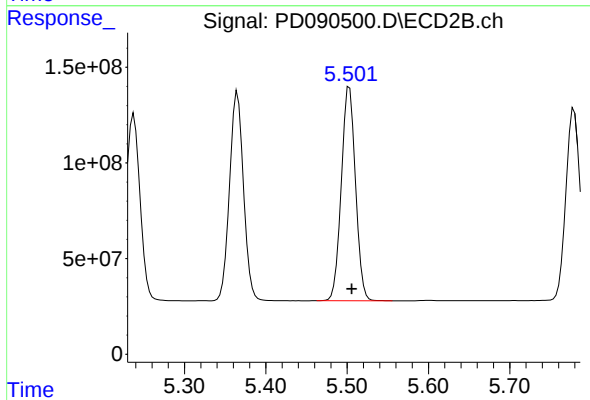
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.004 min
Response: 225518847
Conc: 39.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

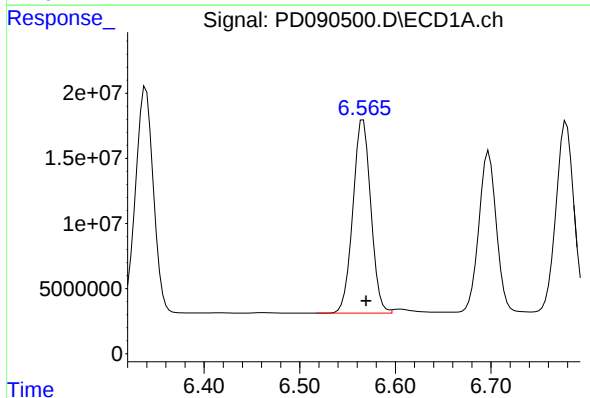
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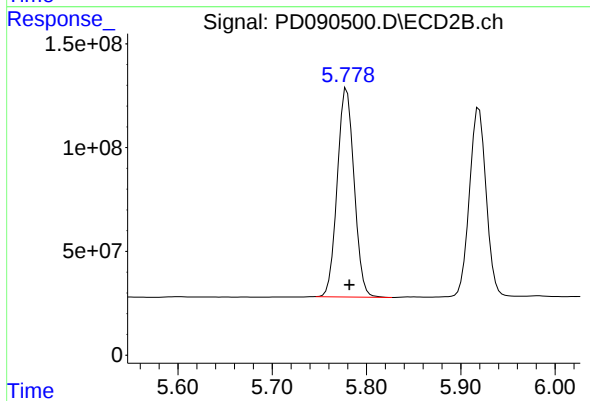
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1352558753
Conc: 34.73 ng/ml



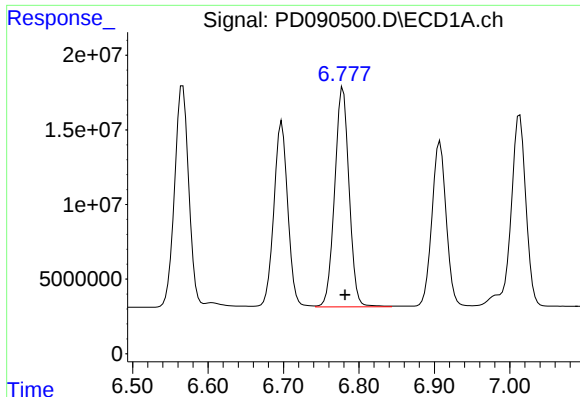
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.003 min
Response: 193759157
Conc: 39.59 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1250267285
Conc: 34.89 ng/ml



#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.003 min
Response: 195523583
Conc: 40.08 ng/ml

Instrument :

ECD_D

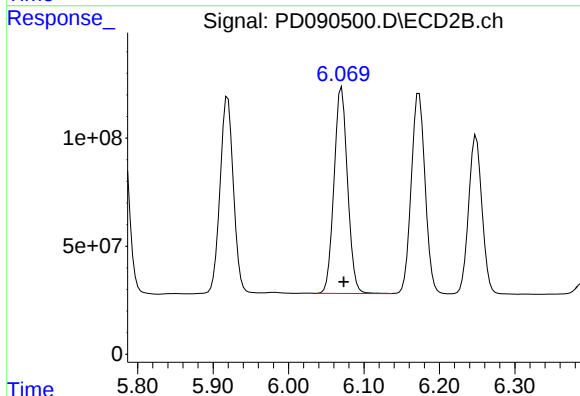
ClientSampleId :

SOIL-PILE-1-WCMSD

Manual Integrations

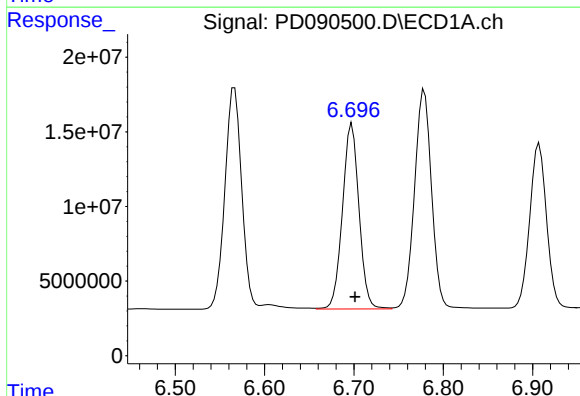
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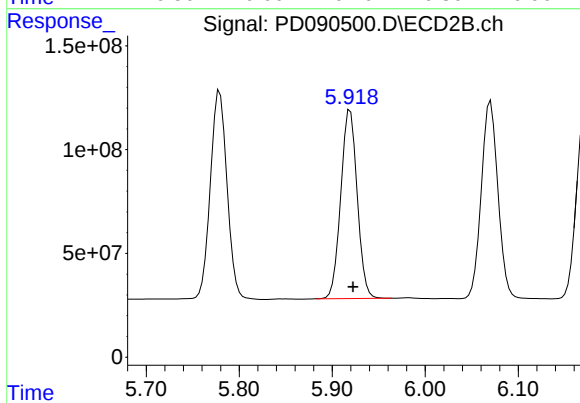
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1189545632
Conc: 35.25 ng/ml



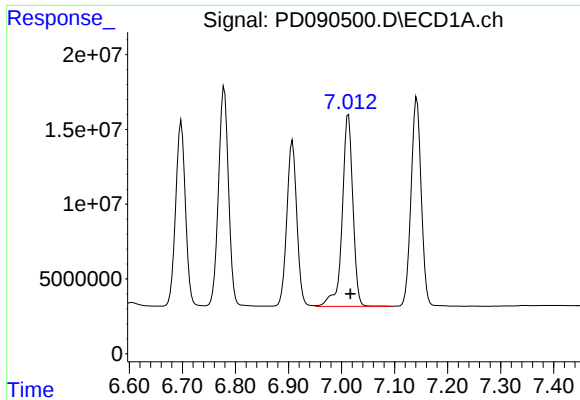
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.004 min
Response: 159535171
Conc: 38.93 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1115200866
Conc: 34.39 ng/ml



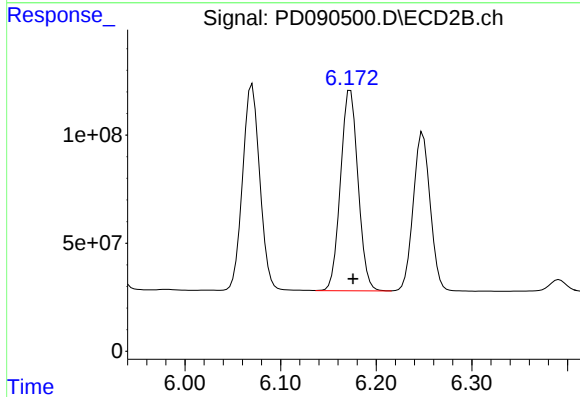
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.004 min
Response: 178723604
Conc: 40.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

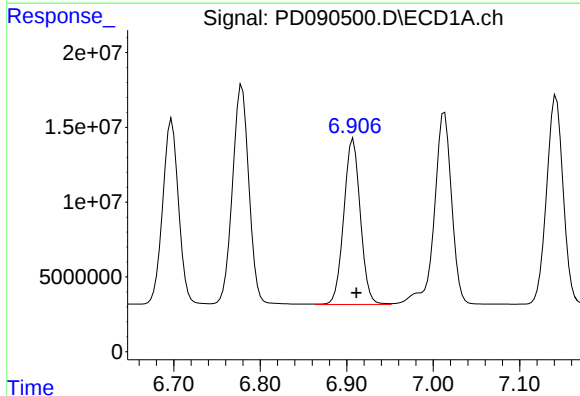
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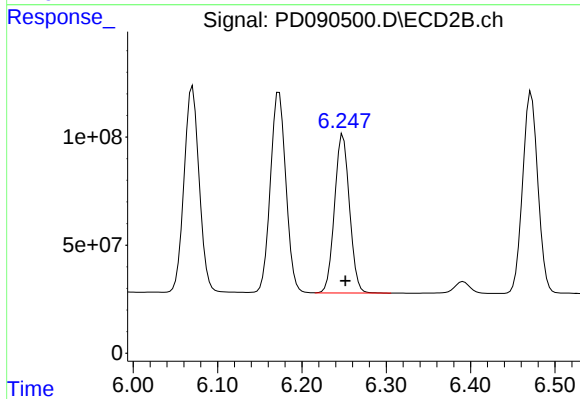
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.003 min
Response: 1185575416
Conc: 34.49 ng/ml



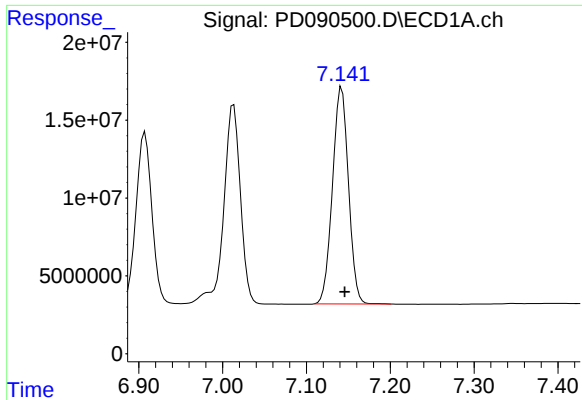
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.004 min
Response: 146416421
Conc: 42.68 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.003 min
Response: 902629795
Conc: 38.33 ng/ml



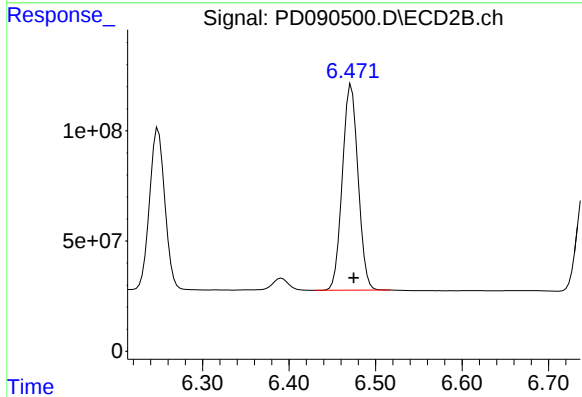
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 184391179
Conc: 40.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

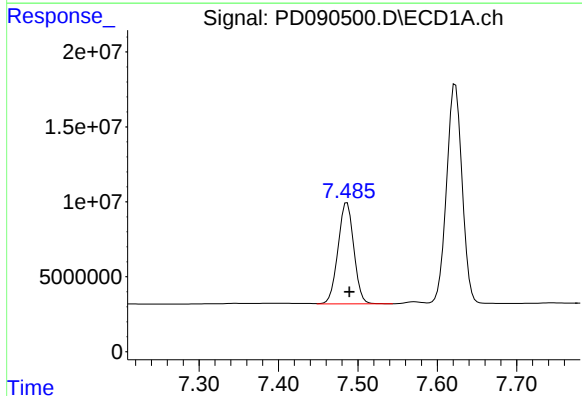
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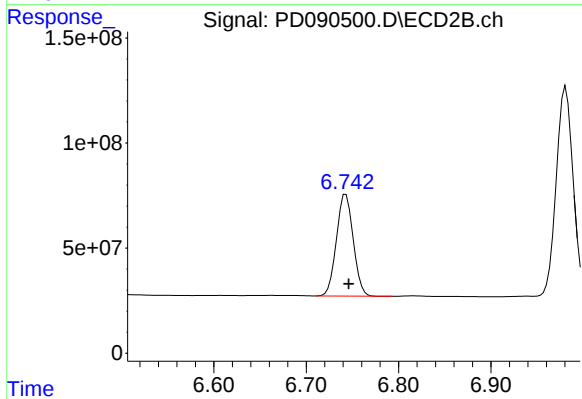
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1170942466
Conc: 35.82 ng/ml



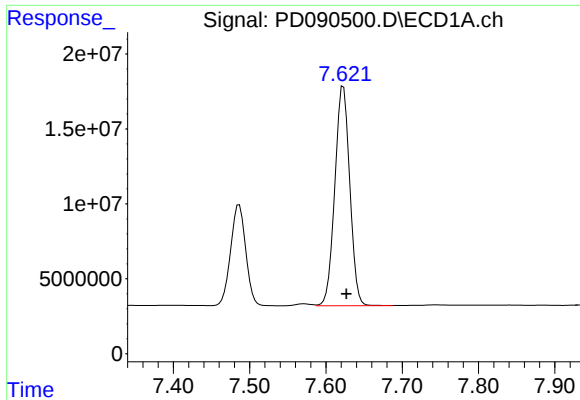
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 93635232
Conc: 39.73 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 612266038
Conc: 35.19 ng/ml



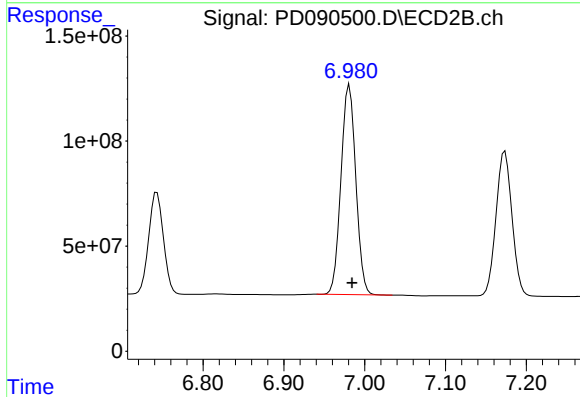
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 199022383
Conc: 40.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

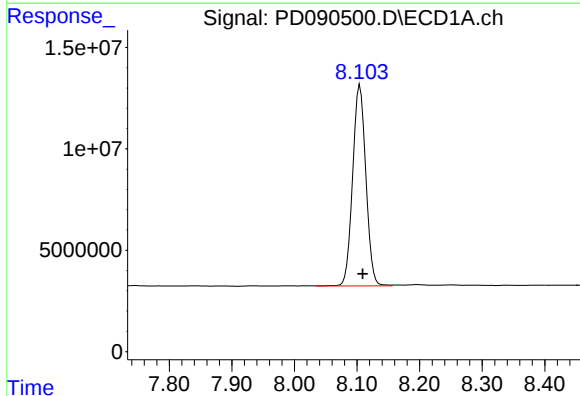
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



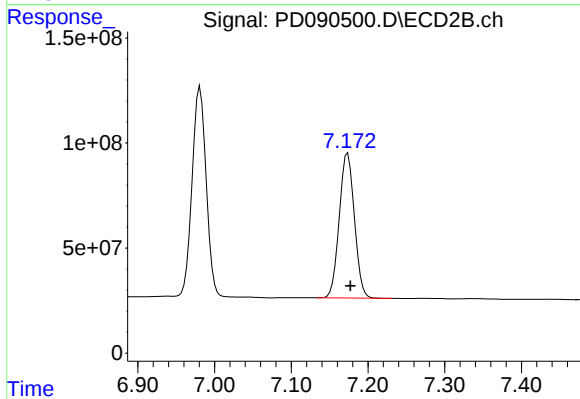
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 1271968161
Conc: 35.23 ng/ml



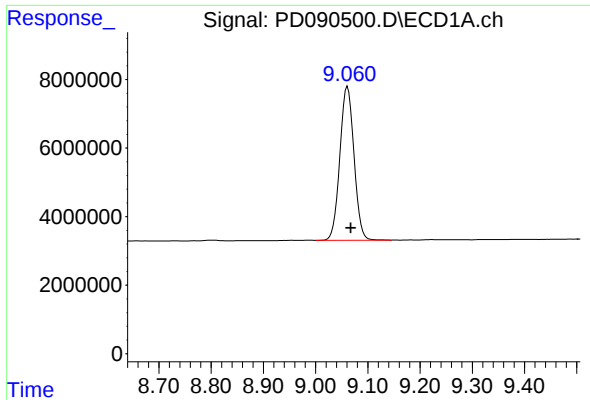
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.005 min
Response: 145894338
Conc: 39.38 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.004 min
Response: 946079802
Conc: 34.27 ng/ml



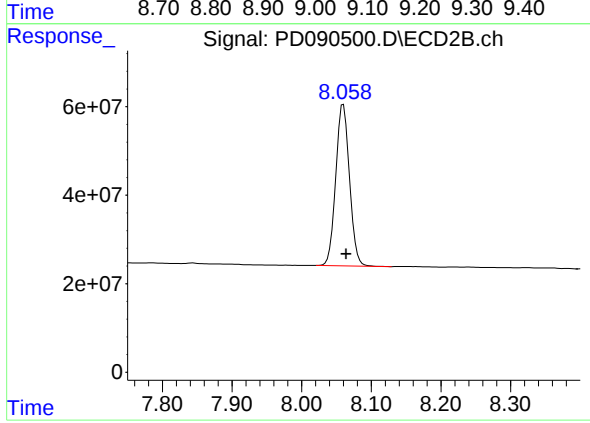
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.007 min
Response: 84137849
Conc: 17.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-PILE-1-WCMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 500571240
Conc: 15.44 ng/ml