

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
 Data File : PL097155.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2025 18:32
 Operator : AR\AJ
 Sample : Q3032-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-PILE-1MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/12/2025
 Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 01:21:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.823	77062045	116.8E6	19.540	20.719
28)	SA Decachlor...	8.999	7.982	63913891	118.2E6	21.588	24.644
Target Compounds							
2)	A alpha-BHC	3.974	3.328	322.1E6	468.0E6	55.584	56.993
3)	MA gamma-BHC...	4.302	3.660	294.2E6	434.6E6	53.857	58.995
4)	MA Heptachlor	4.892	4.007	294.7E6	419.3E6	55.273	55.729
5)	MB Aldrin	5.232	4.289	277.4E6	396.6E6	52.801	56.393
6)	B beta-BHC	4.489	3.956	119.4E6	176.3E6	52.208	54.039
7)	B delta-BHC	4.734	4.188	277.0E6	423.1E6	61.560	57.580
8)	B Heptachlo...	5.651	4.791	260.0E6	369.6E6	50.525	58.430
9)	A Endosulfan I	6.032	5.162	231.1E6	342.8E6	53.790	57.222
10)	B gamma-Chl...	5.903	5.043	250.3E6	388.0E6	54.351m	58.686
11)	B alpha-Chl...	5.985	5.107	248.2E6	381.0E6	52.747	58.351
12)	B 4,4'-DDE	6.155	5.296	209.1E6	365.4E6	52.406	59.366
13)	MA Dieldrin	6.304	5.427	244.2E6	388.6E6	53.776	59.305
14)	MA Endrin	6.531	5.701	202.0E6	339.9E6	53.933	57.542
15)	B Endosulfa...	6.744	5.993	212.8E6	333.7E6	48.301	58.360
16)	A 4,4'-DDD	6.664	5.848	168.1E6	311.1E6	53.270	59.576
17)	MA 4,4'-DDT	6.978	6.100	181.5E6	319.3E6	51.813	58.304
18)	B Endrin al...	6.873	6.171	152.2E6	262.8E6	58.515	64.543
19)	B Endosulfa...	7.106	6.394	183.6E6	320.4E6	53.464	57.186
20)	A Methoxychlor	7.450	6.673	86621678	169.3E6	49.912	56.445
21)	B Endrin ke...	7.585	6.898	194.1E6	358.5E6	54.606	57.271
22)	Mirex	8.064	7.088	153.4E6	277.5E6	51.275	57.137

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
Data File : PL097155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2025 18:32
Operator : AR\AJ
Sample : Q3032-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

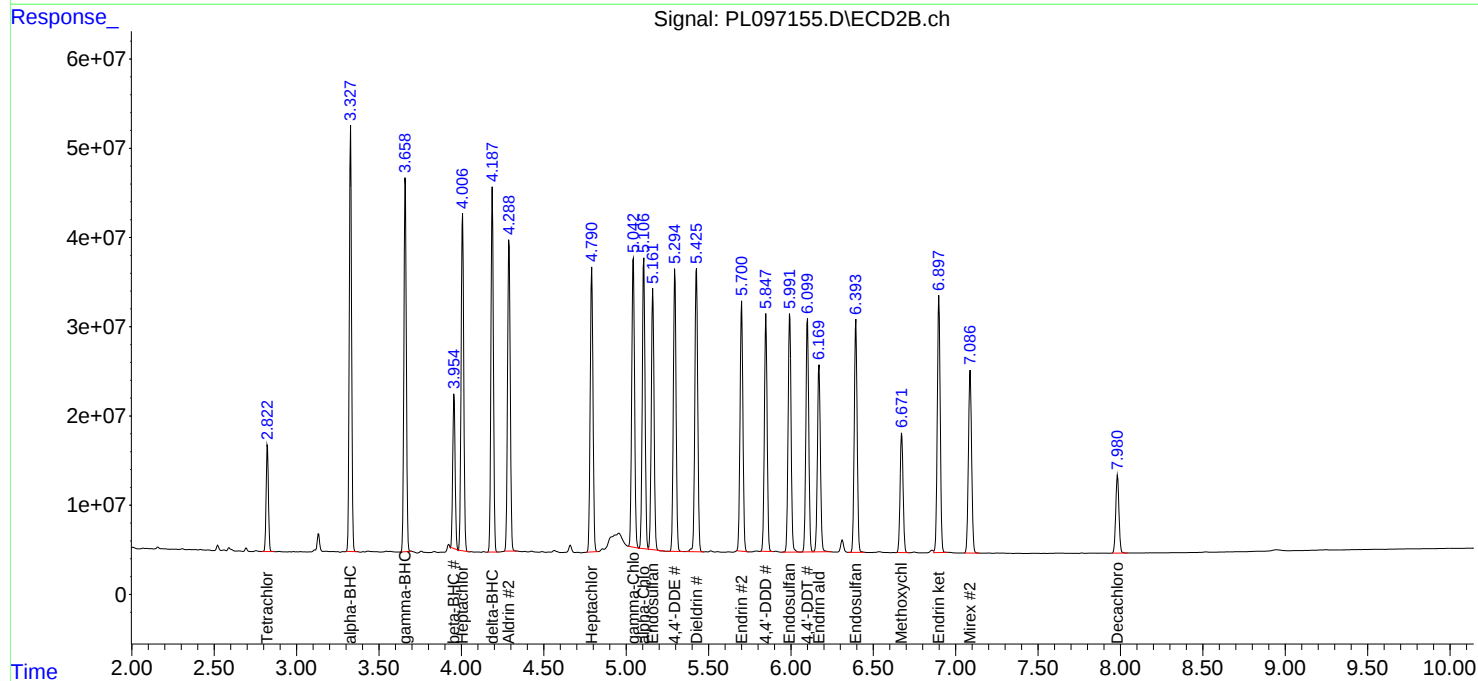
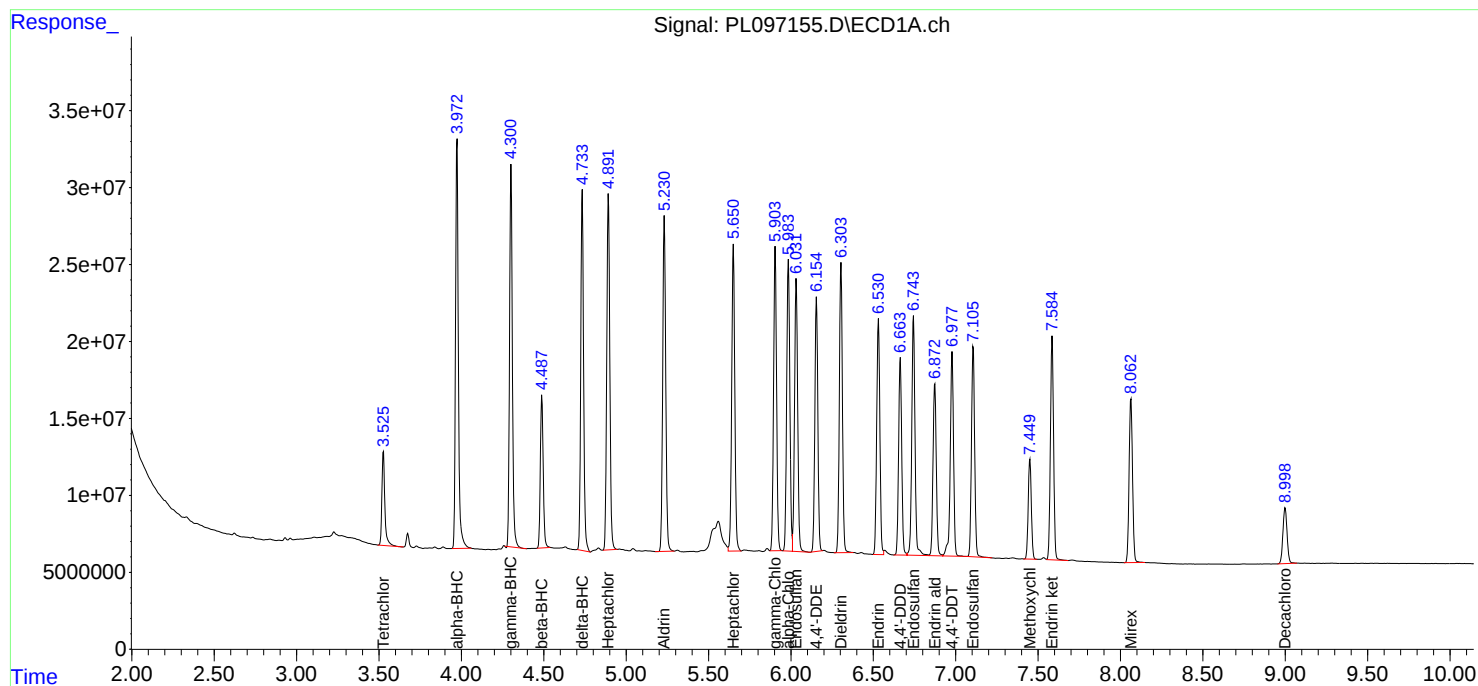
Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

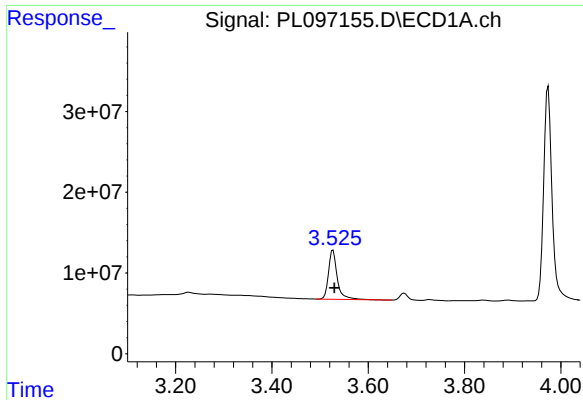
Manual Integrations
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Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 01:21:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Aug 21 06:34:01 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 x0.25µm





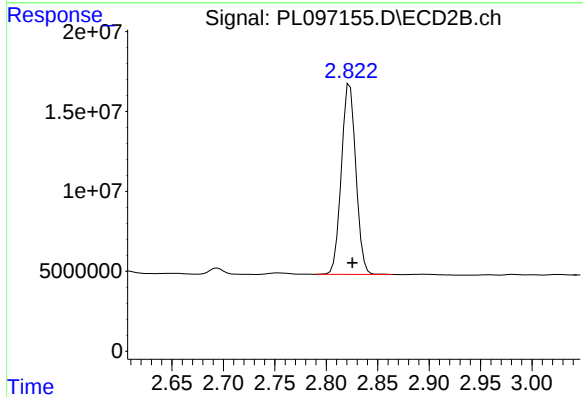
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 77062045
Conc: 19.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

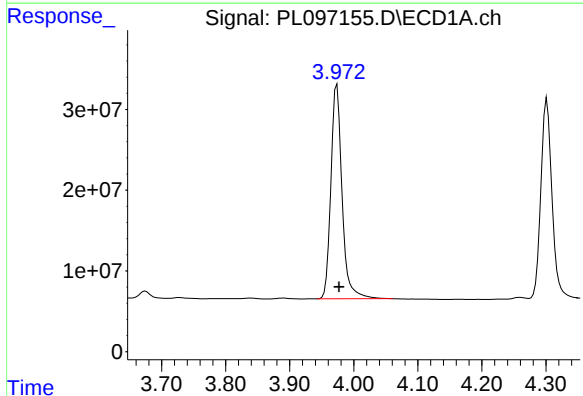
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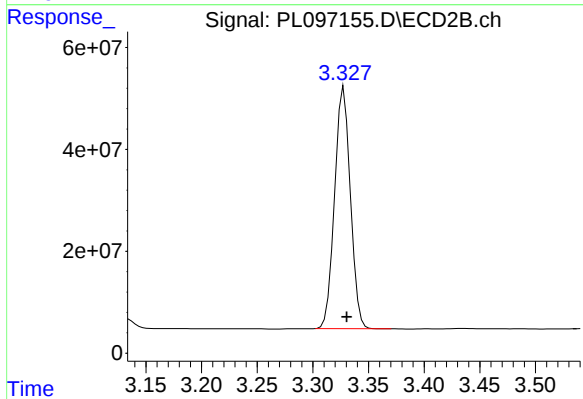
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.002 min
Response: 116785151
Conc: 20.72 ng/ml



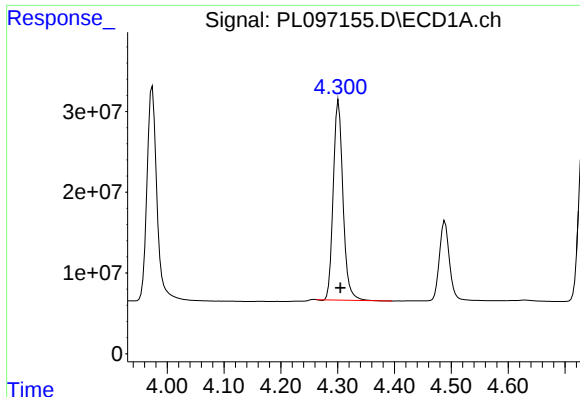
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.003 min
Response: 322054966
Conc: 55.58 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.003 min
Response: 467987405
Conc: 56.99 ng/ml



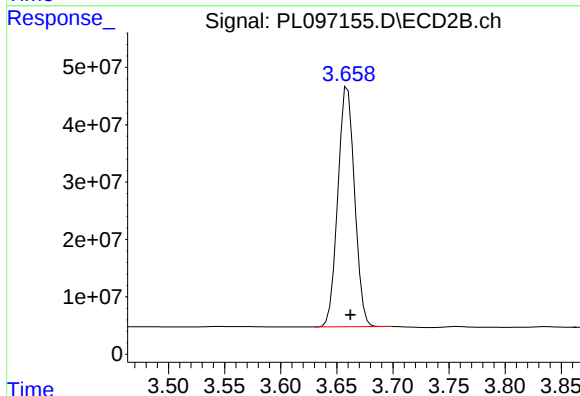
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: -0.003 min
Response: 294154669
Conc: 53.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

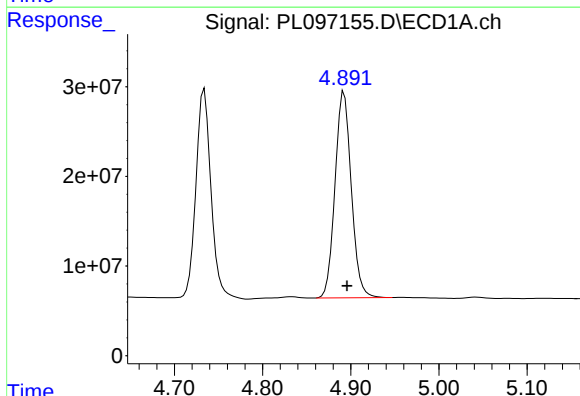
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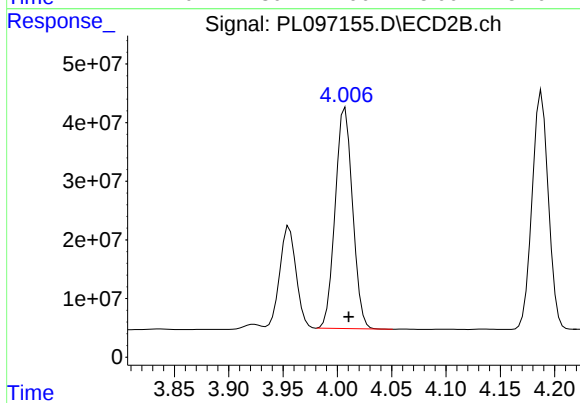
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 434585674
Conc: 58.99 ng/ml



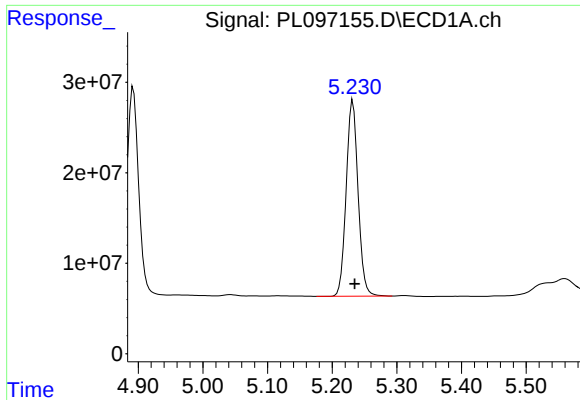
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 294733365
Conc: 55.27 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.003 min
Response: 419316175
Conc: 55.73 ng/ml



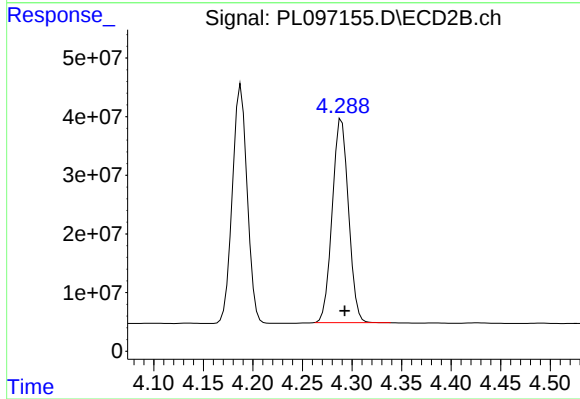
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: -0.003 min
Response: 277389198
Conc: 52.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

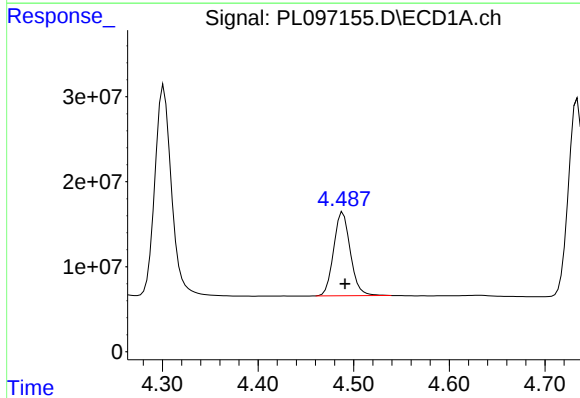
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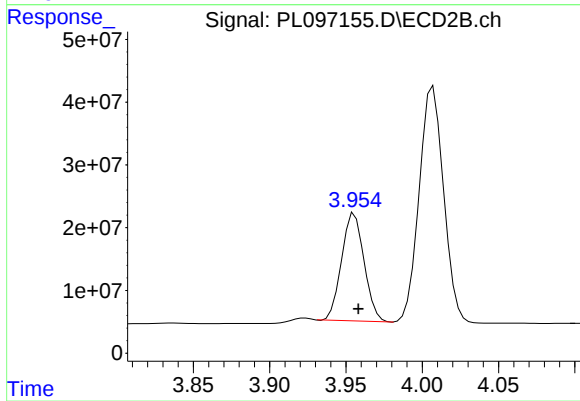
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.003 min
Response: 396605487
Conc: 56.39 ng/ml



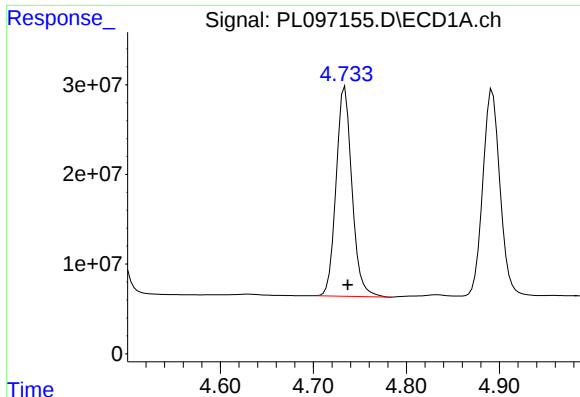
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: -0.002 min
Response: 119401273
Conc: 52.21 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.003 min
Response: 176289338
Conc: 54.04 ng/ml



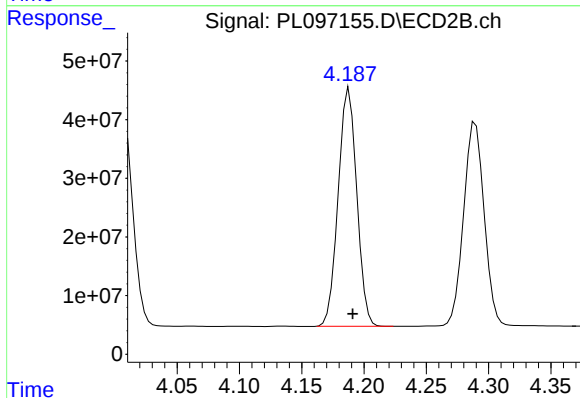
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 277019463
Conc: 61.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

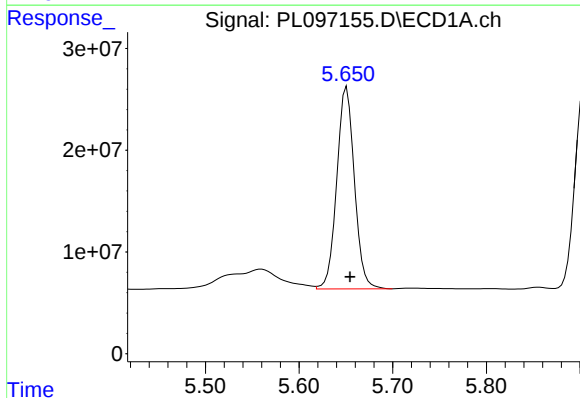
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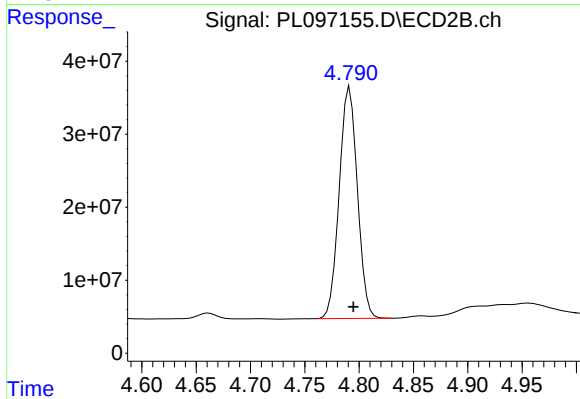
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 423147351
Conc: 57.58 ng/ml



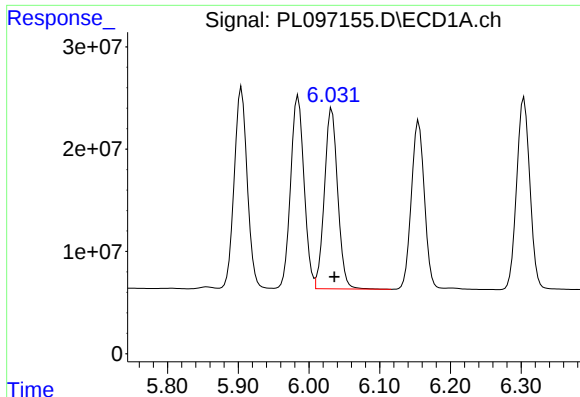
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 259991987
Conc: 50.52 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.003 min
Response: 369569237
Conc: 58.43 ng/ml



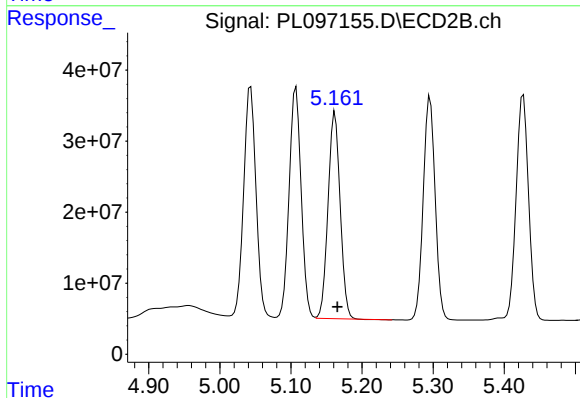
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.003 min
Response: 231124897
Conc: 53.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

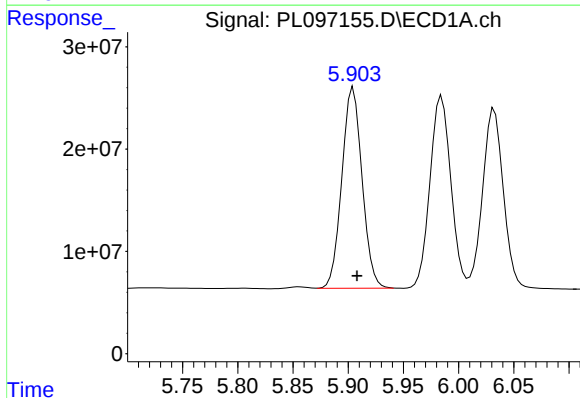
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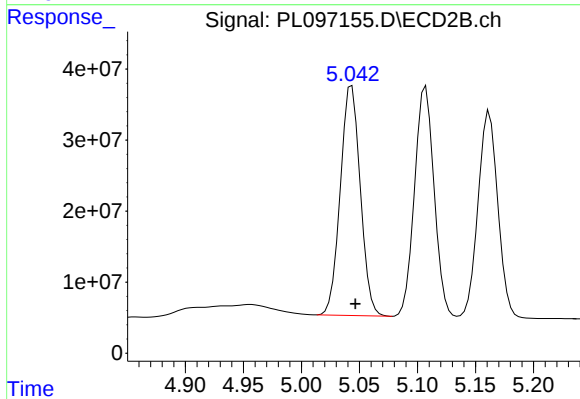
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.004 min
Response: 342834373
Conc: 57.22 ng/ml



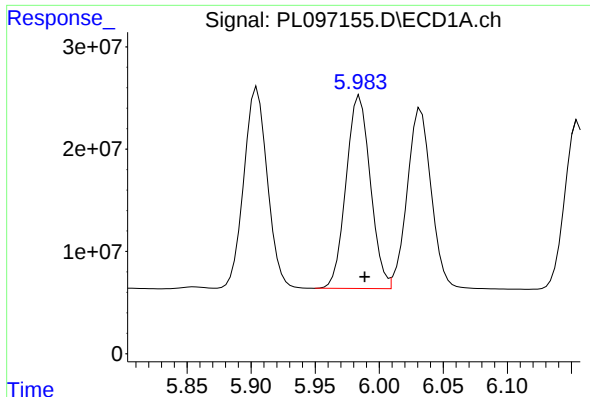
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 250312989
Conc: 54.35 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.003 min
Response: 387977306
Conc: 58.69 ng/ml



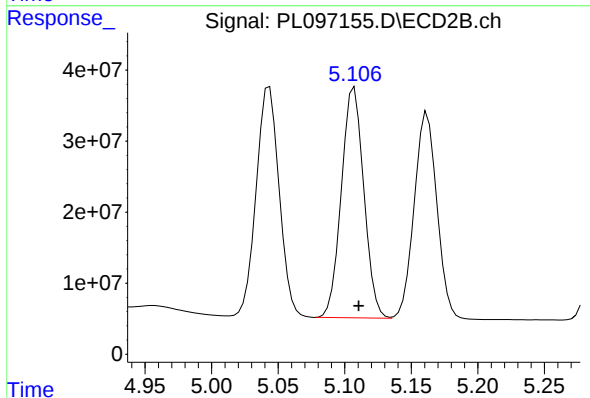
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: -0.004 min
Response: 248224101
Conc: 52.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

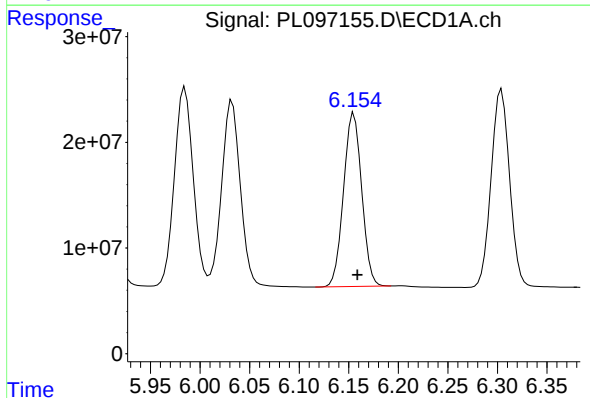
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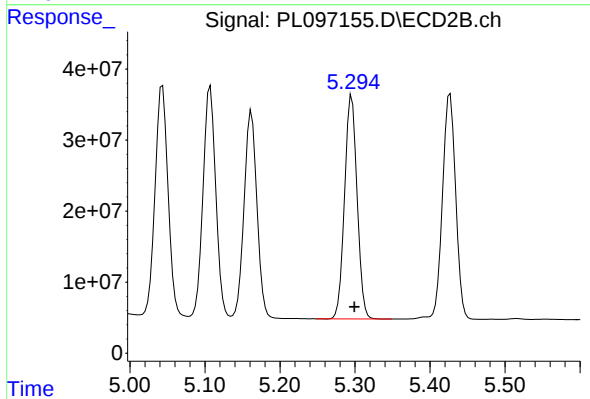
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.003 min
Response: 381017753
Conc: 58.35 ng/ml



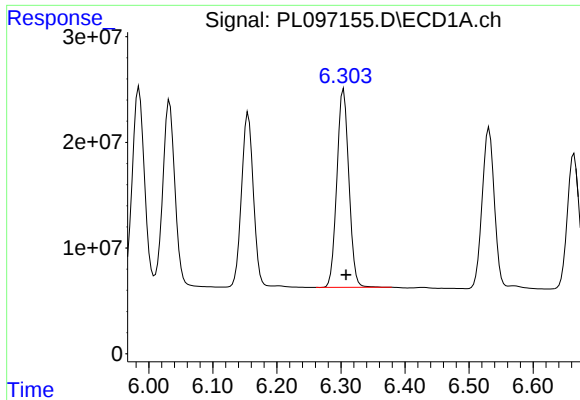
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 209107355
Conc: 52.41 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.003 min
Response: 365378644
Conc: 59.37 ng/ml



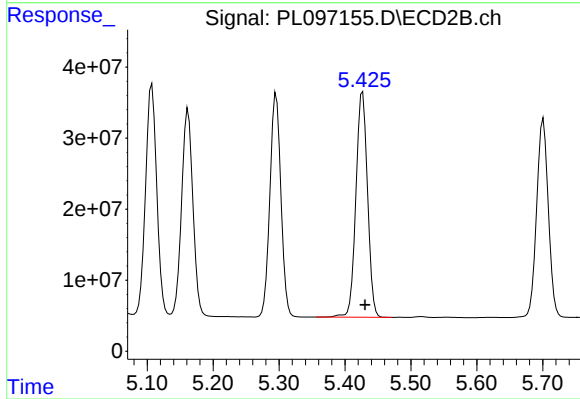
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.004 min
Response: 244187672
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

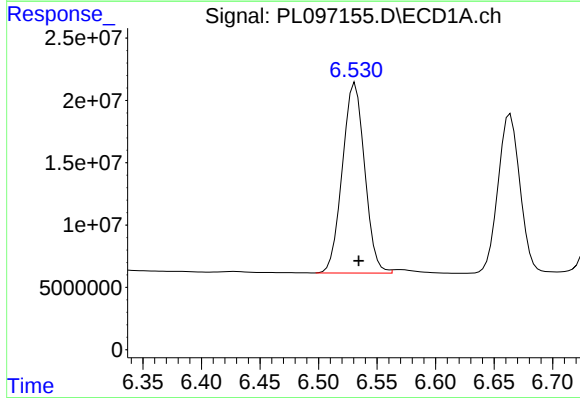
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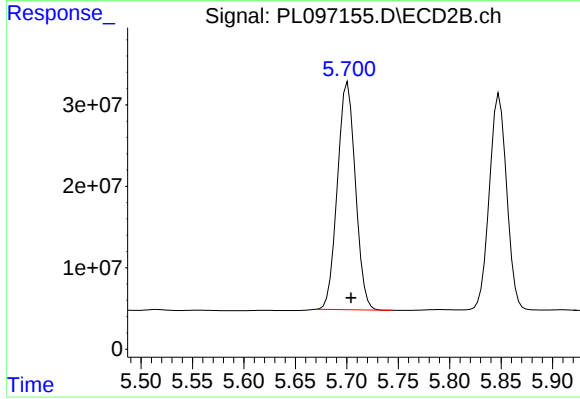
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.003 min
Response: 388626298
Conc: 59.30 ng/ml



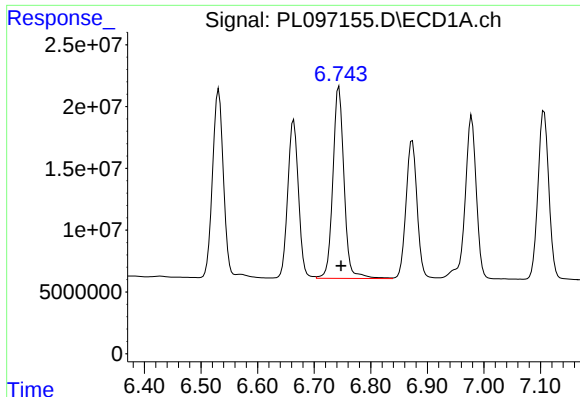
#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.003 min
Response: 201971892
Conc: 53.93 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 339913212
Conc: 57.54 ng/ml



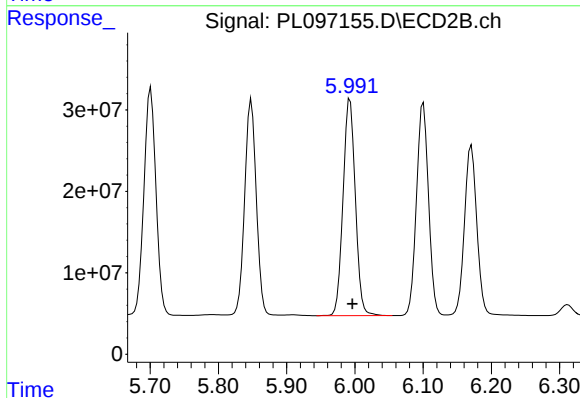
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.004 min
Response: 212767503
Conc: 48.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

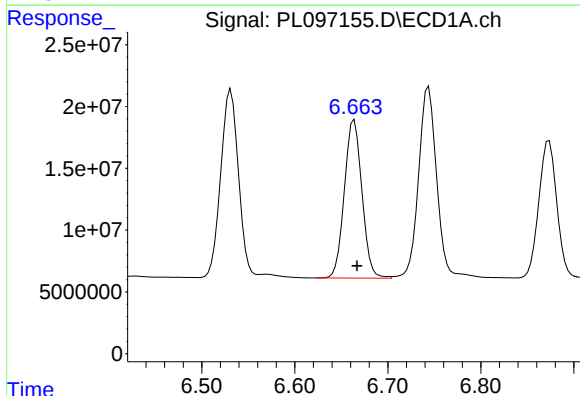
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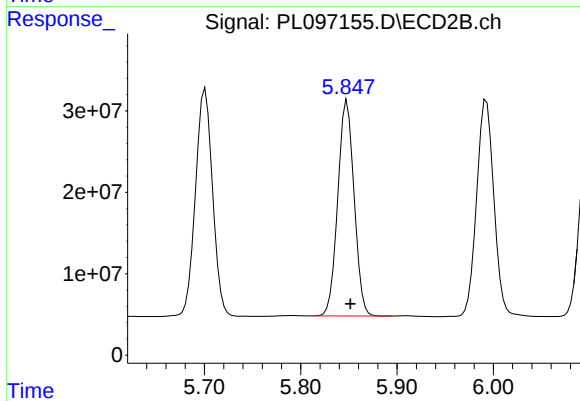
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.003 min
Response: 333744514
Conc: 58.36 ng/ml



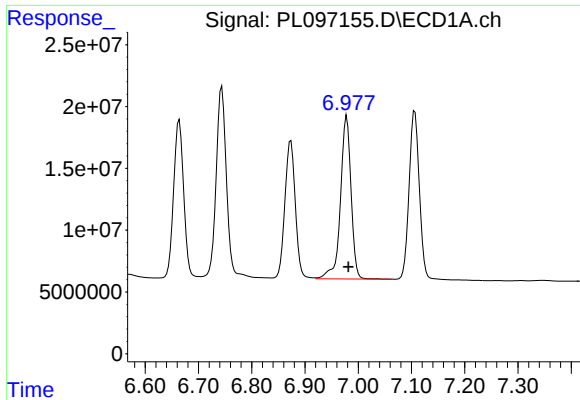
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: -0.003 min
Response: 168110258
Conc: 53.27 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.003 min
Response: 311127966
Conc: 59.58 ng/ml



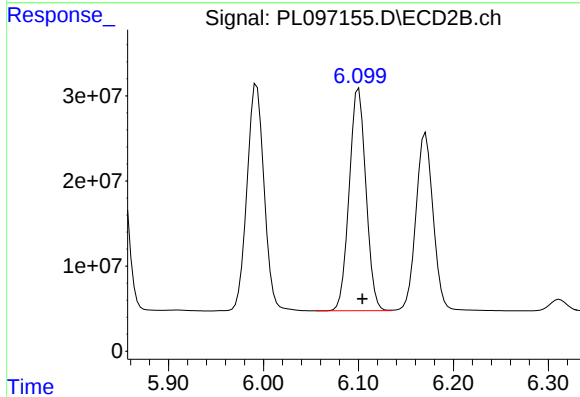
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: -0.003 min
Response: 181471917
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

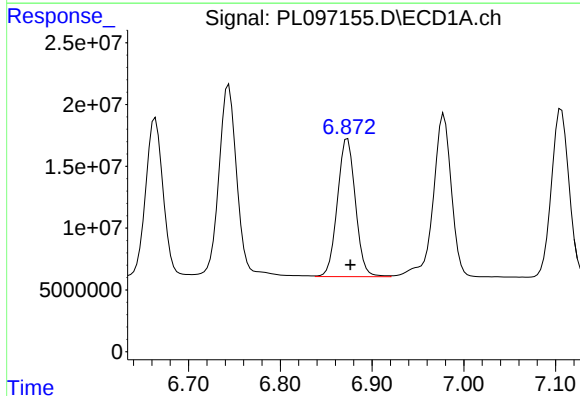
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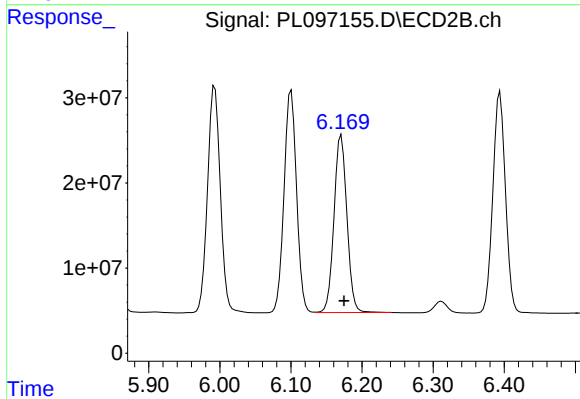
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 319344902
Conc: 58.30 ng/ml



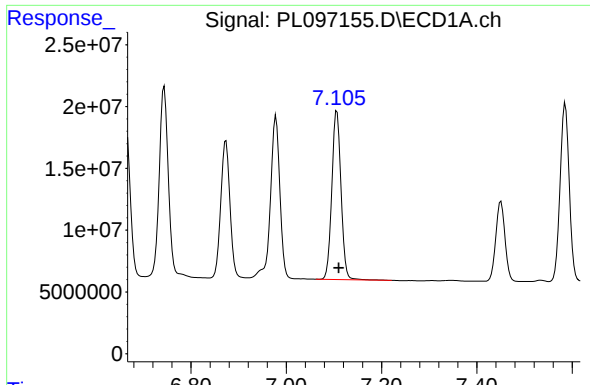
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.003 min
Response: 152223802
Conc: 58.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.004 min
Response: 262844345
Conc: 64.54 ng/ml



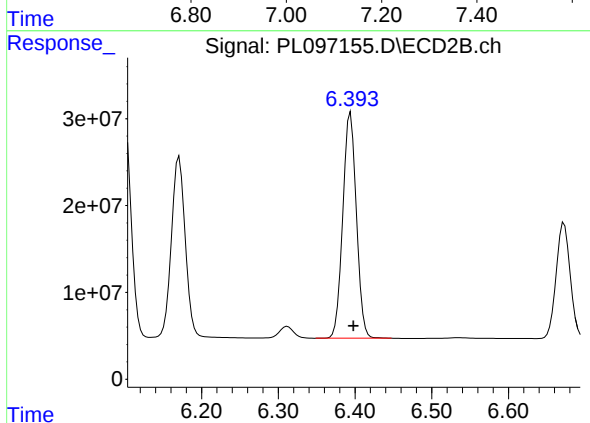
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.004 min
Response: 183562254
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

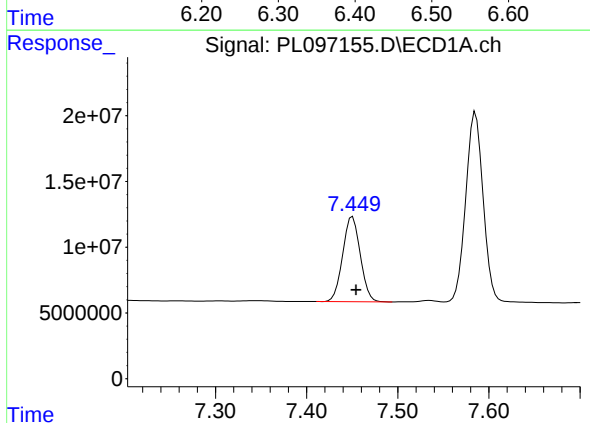
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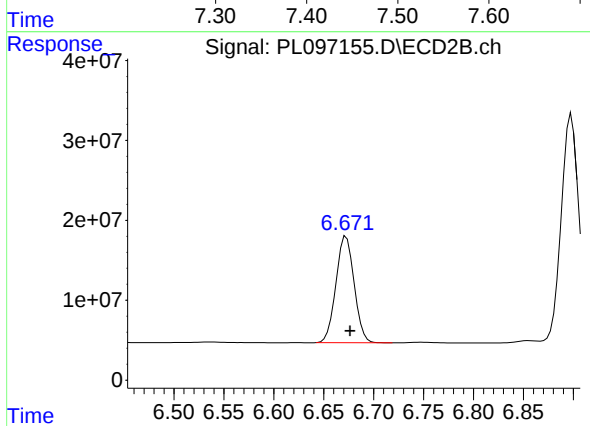
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 320412721
Conc: 57.19 ng/ml



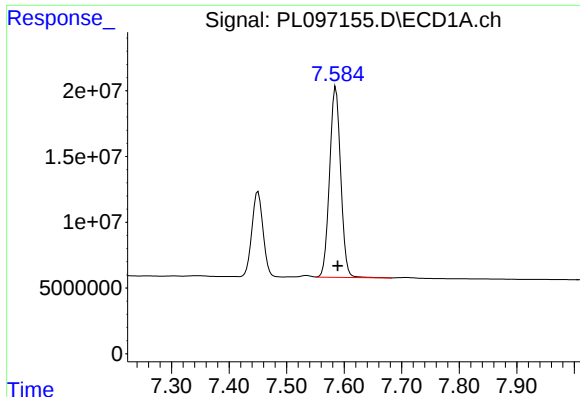
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 86621678
Conc: 49.91 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 169320959
Conc: 56.44 ng/ml



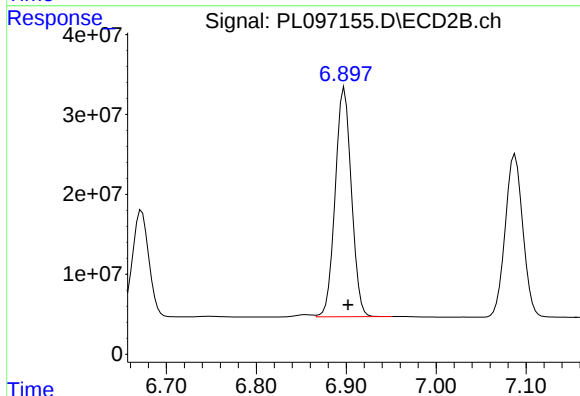
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.003 min
Response: 194139934
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

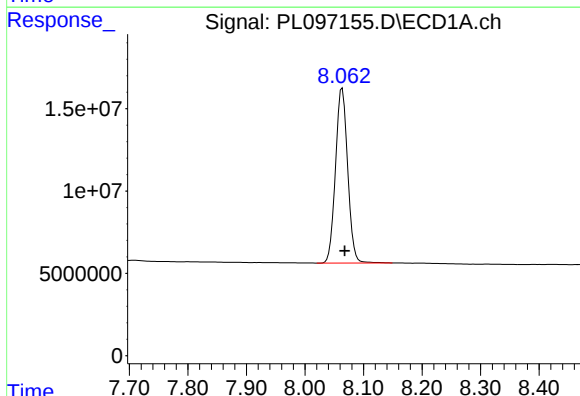
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



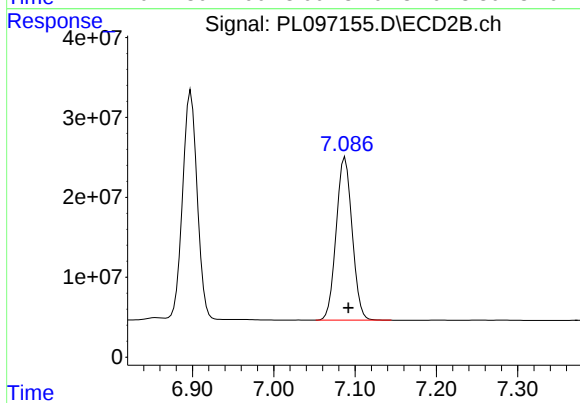
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 358455833
Conc: 57.27 ng/ml



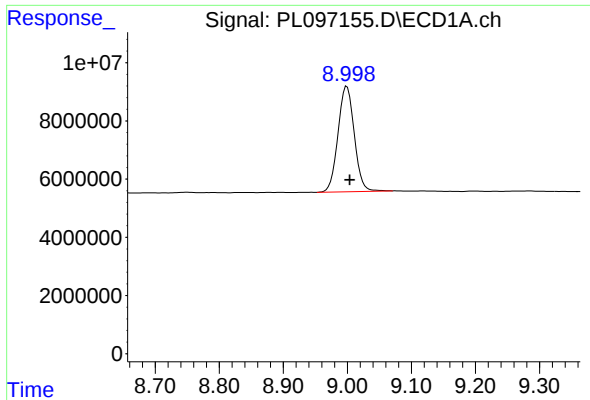
#22 Mirex

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 153410131
Conc: 51.28 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.004 min
Response: 277489489
Conc: 57.14 ng/ml



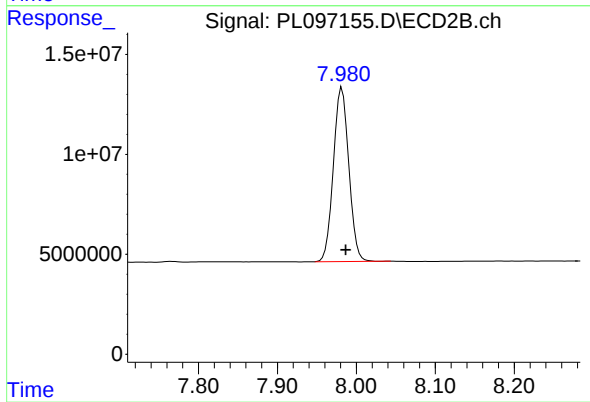
#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.005 min
Response: 63913891
Conc: 21.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 118187955
Conc: 24.64 ng/ml