

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112923\
 Data File : PL086875.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Nov 2023 07:30
 Operator : AR\AJ
 Sample : 05047-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-SOIL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :Ankita Jodhani 11/29/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 29 08:18:10 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112923.M
 Quant Title : GC Extractables
 QLast Update : Wed Nov 29 06:35:04 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.337	2.611	153.1E6	16133390	47.893	17.739 #
28)	SA Decachlor...	8.841	7.761	53661731	22692489	20.101	20.581
Target Compounds							
2)	A alpha-BHC	3.797	3.109	4251.2E6	1179.5E6	918.169	928.758
3)	MA gamma-BHC...	4.129	3.436	2559.3E6	733.0E6	584.999	599.877
4)	MA Heptachlor	4.715	3.772	4076.4E6	1246.0E6	1027.122	1067.089
5)	MB Aldrin	5.055	4.048	3207.2E6	975.8E6	759.969	799.465
6)	B beta-BHC	4.333	3.739	742.5E6	208.9E6	396.920	394.849
7)	B delta-BHC	4.576	3.963	2247.6E6	676.9E6	529.440	579.608
8)	B Heptachlo...	5.486	4.553	2773.4E6	879.1E6	782.941	772.275
9)	A Endosulfan I	5.869	4.920	788.4E6	259.8E6	218.836	216.388
10)	B gamma-Chl...	5.743	4.804	4460.4E6	1370.0E6	1186.309	1195.148
11)	B alpha-Chl...	5.822	4.868	2874.2E6	915.6E6	763.482	688.550
12)	B 4,4'-DDE	6.007	5.068	3030.3E6	977.0E6	1002.273	1064.135
13)	MA Dieldrin	6.146	5.186	968.5E6	316.4E6	278.968	295.401
14)	MA Endrin	6.375	5.460	1807.4E6	624.1E6	701.189	740.487
15)	B Endosulfa...	6.598	5.758	1612.2E6	557.8E6	564.964	600.768
16)	A 4,4'-DDD	6.526	5.624	2245.6E6	768.6E6	959.019	995.211
17)	MA 4,4'-DDT	6.841	5.874	850.0E6	296.5E6	331.165	367.603
18)	B Endrin al...	6.728	5.939	590.7E6	206.4E6	276.914m	295.498
19)	B Endosulfa...	6.965	6.164	636.7E6	215.2E6	222.970	226.758
20)	A Methoxychlor	7.327	6.458	133.3E6	56547109	100.912	109.860
21)	B Endrin ke...	7.448	6.665	2595.2E6	956.0E6	868.064	837.516

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

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Operator : AR\AJ
Sample : 05047-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

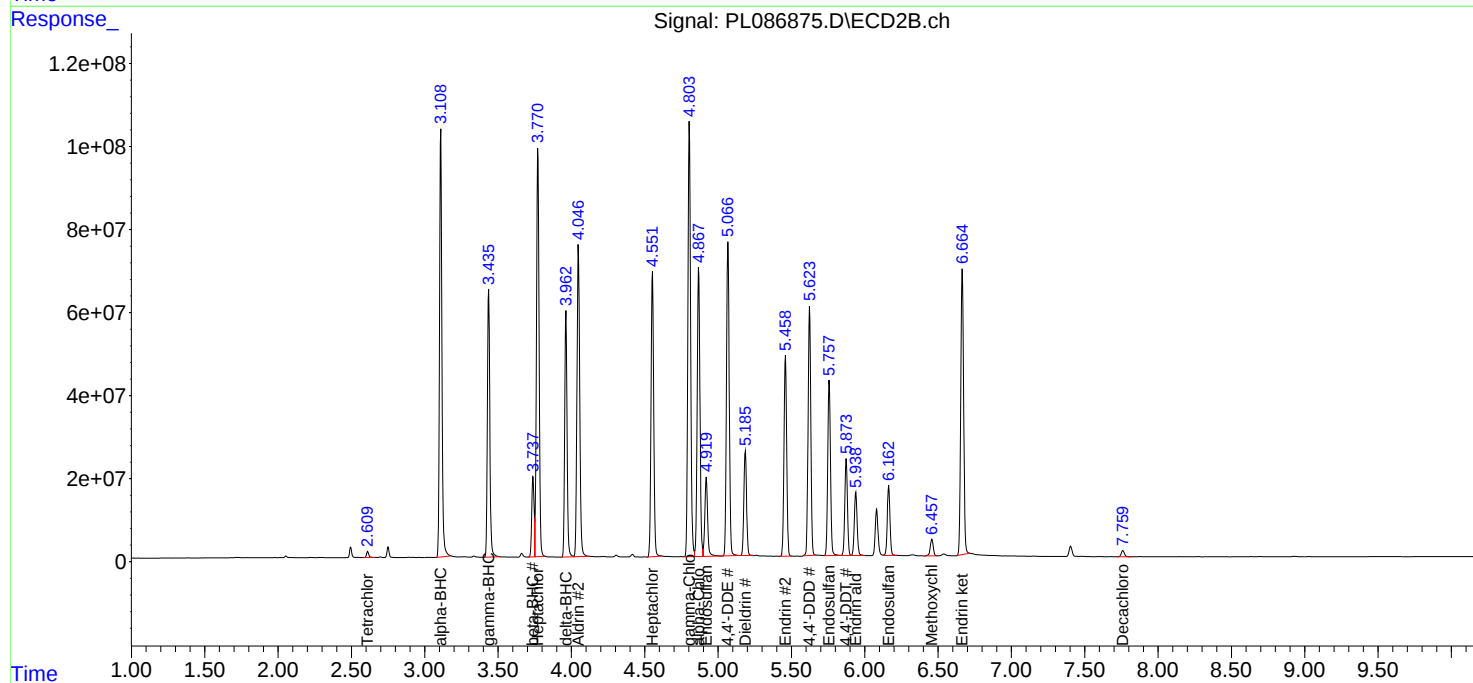
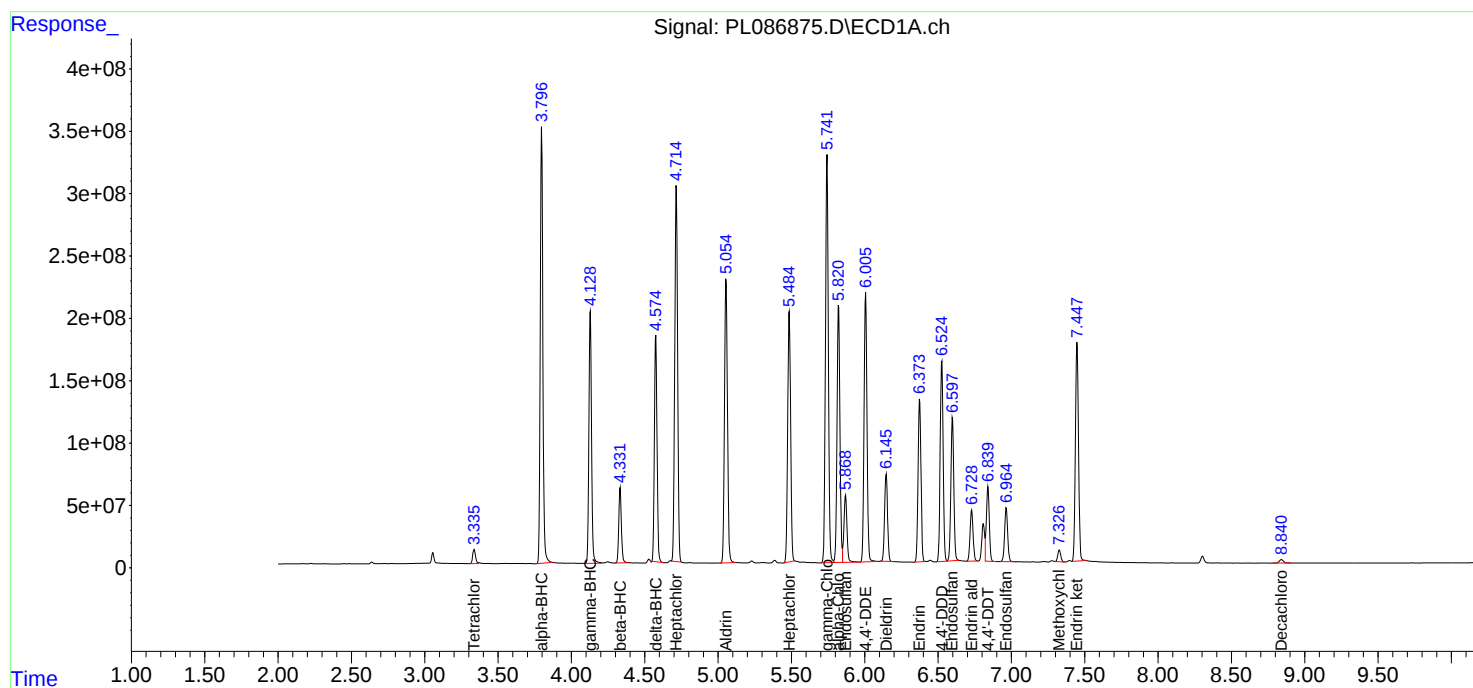
Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

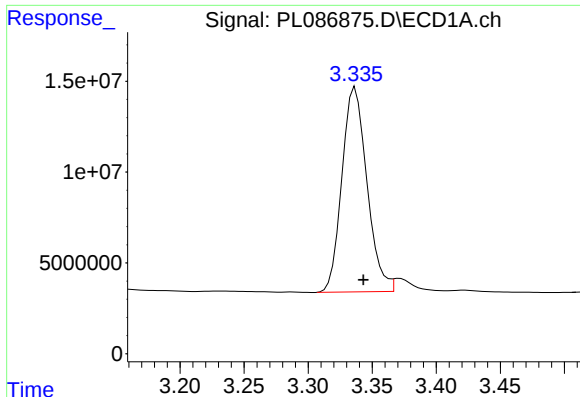
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Integration File signal 1: autoint1.e
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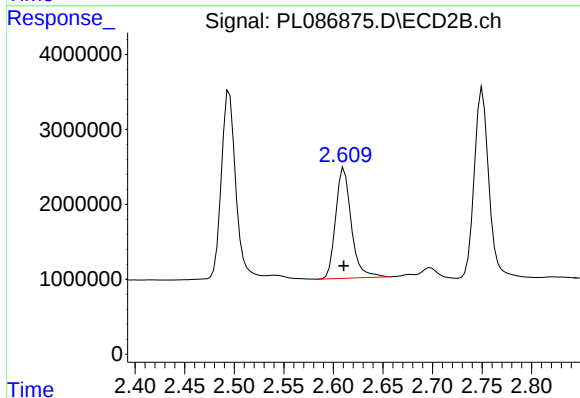
#1 Tetrachloro-m-xylene

R.T.: 3.337 min
Delta R.T.: -0.006 min
Response: 153120300
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

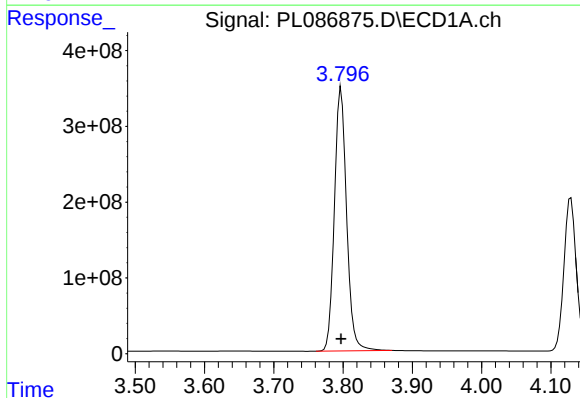
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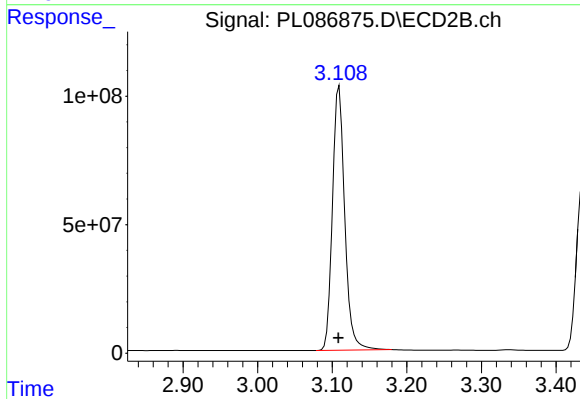
#1 Tetrachloro-m-xylene

R.T.: 2.611 min
Delta R.T.: 0.000 min
Response: 16133390
Conc: 17.74 ng/ml



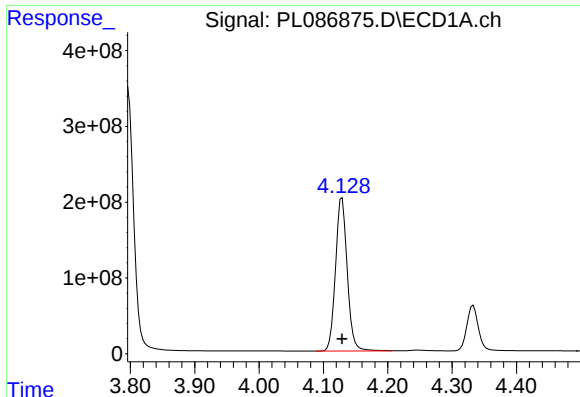
#2 alpha-BHC

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 4251224653
Conc: 918.17 ng/ml



#2 alpha-BHC

R.T.: 3.109 min
Delta R.T.: 0.000 min
Response: 1179463758
Conc: 928.76 ng/ml



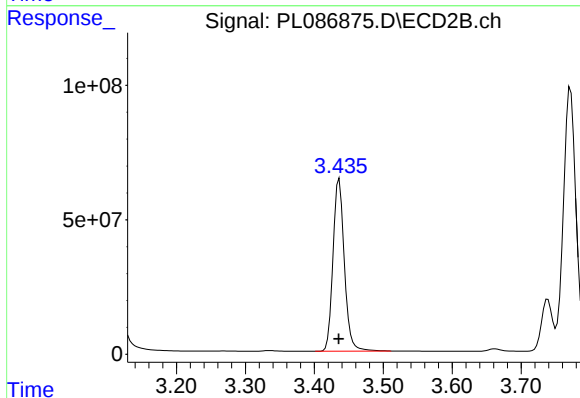
#3 gamma-BHC (Lindane)

R.T.: 4.129 min
Delta R.T.: 0.000 min
Response: 2559272891
Conc: 585.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

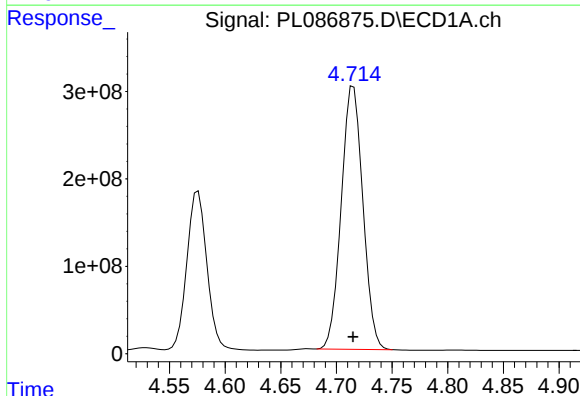
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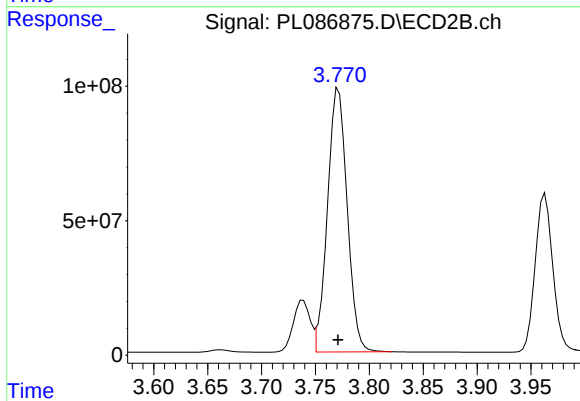
#3 gamma-BHC (Lindane)

R.T.: 3.436 min
Delta R.T.: 0.000 min
Response: 732952970
Conc: 599.88 ng/ml



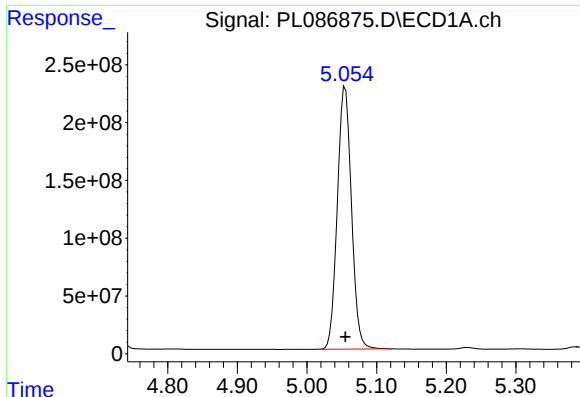
#4 Heptachlor

R.T.: 4.715 min
Delta R.T.: 0.000 min
Response: 4076383851
Conc: 1027.12 ng/ml



#4 Heptachlor

R.T.: 3.772 min
Delta R.T.: 0.000 min
Response: 1245978066
Conc: 1067.09 ng/ml



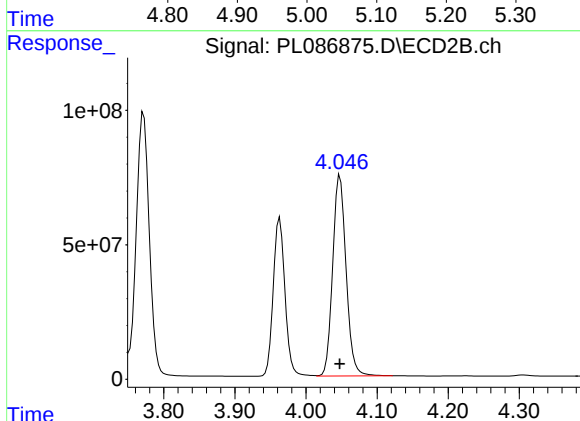
#5 Aldrin

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 3207194815
Conc: 759.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

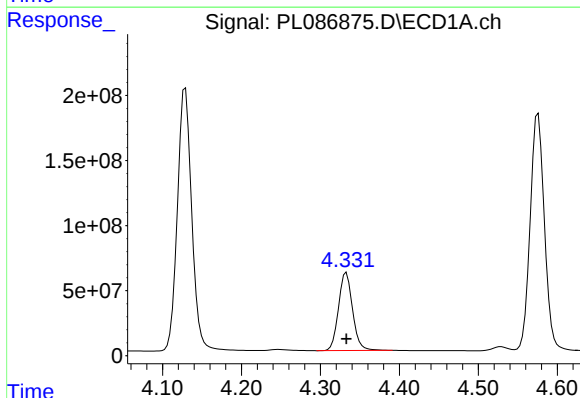
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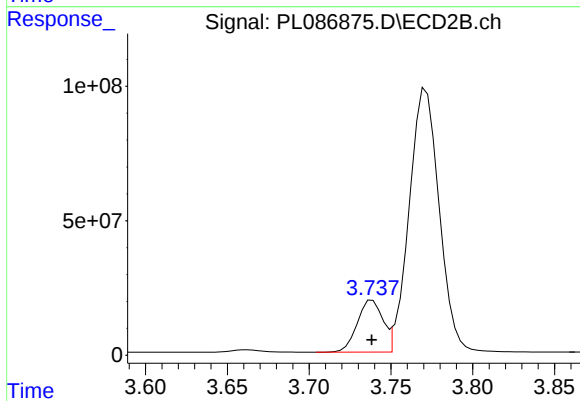
#5 Aldrin

R.T.: 4.048 min
Delta R.T.: 0.000 min
Response: 975784120
Conc: 799.47 ng/ml



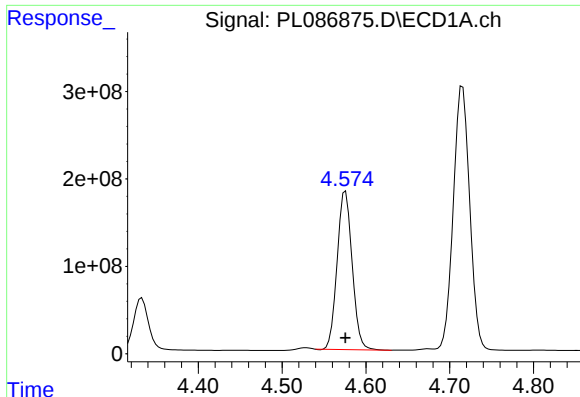
#6 beta-BHC

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 742501424
Conc: 396.92 ng/ml



#6 beta-BHC

R.T.: 3.739 min
Delta R.T.: 0.000 min
Response: 208909939
Conc: 394.85 ng/ml



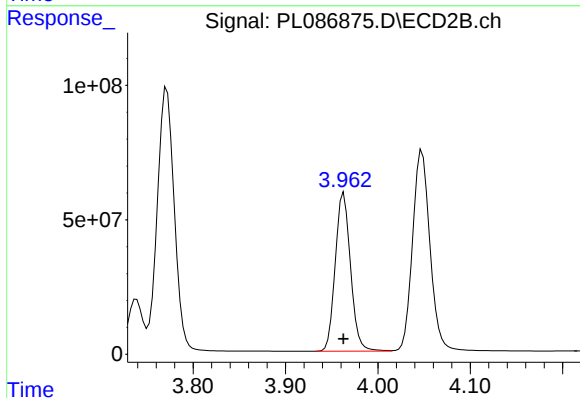
#7 delta-BHC

R.T.: 4.576 min
Delta R.T.: 0.000 min
Response: 2247568534
Conc: 529.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

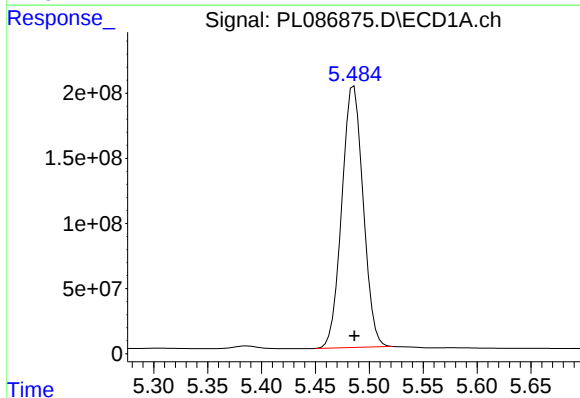
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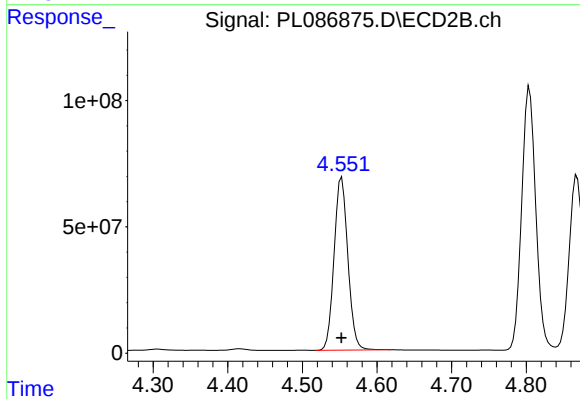
#7 delta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 676858752
Conc: 579.61 ng/ml



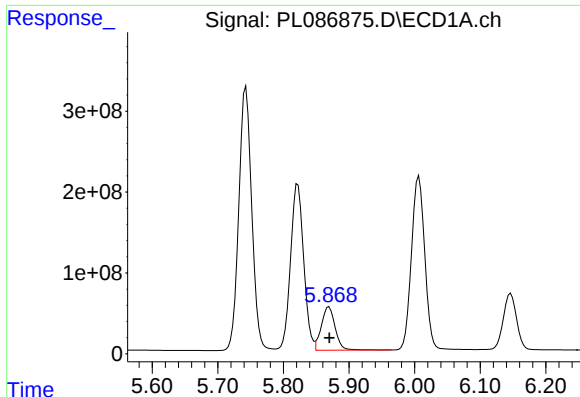
#8 Heptachlor epoxide

R.T.: 5.486 min
Delta R.T.: 0.000 min
Response: 2773423623
Conc: 782.94 ng/ml



#8 Heptachlor epoxide

R.T.: 4.553 min
Delta R.T.: 0.000 min
Response: 879141274
Conc: 772.27 ng/ml



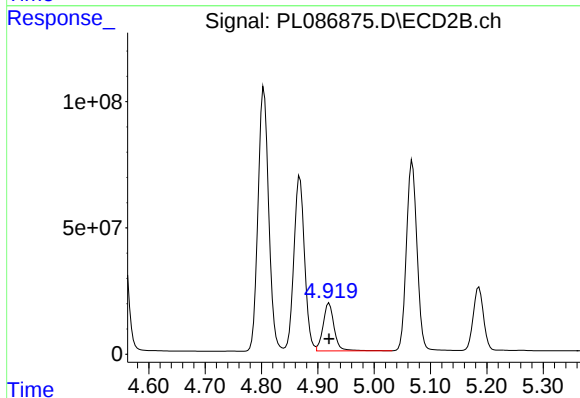
#9 Endosulfan I

R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 788435203
Conc: 218.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

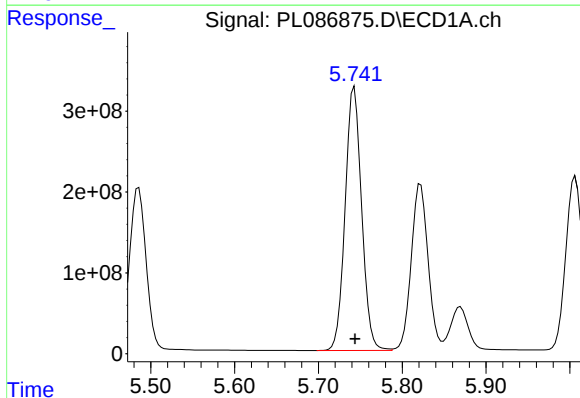
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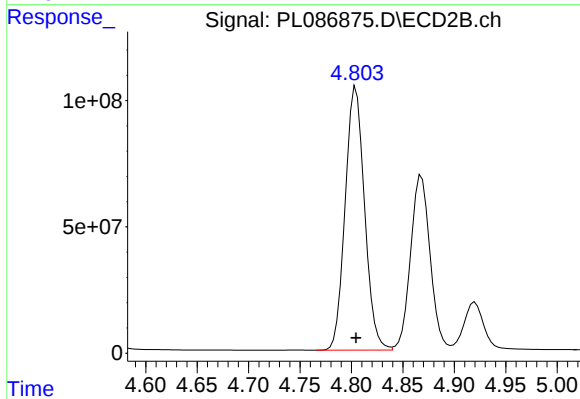
#9 Endosulfan I

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 259809226
Conc: 216.39 ng/ml



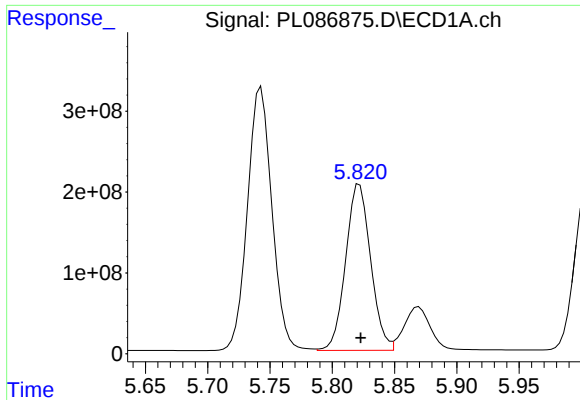
#10 gamma-Chlordane

R.T.: 5.743 min
Delta R.T.: -0.001 min
Response: 4460378388
Conc: 1186.31 ng/ml



#10 gamma-Chlordane

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 1369991097
Conc: 1195.15 ng/ml



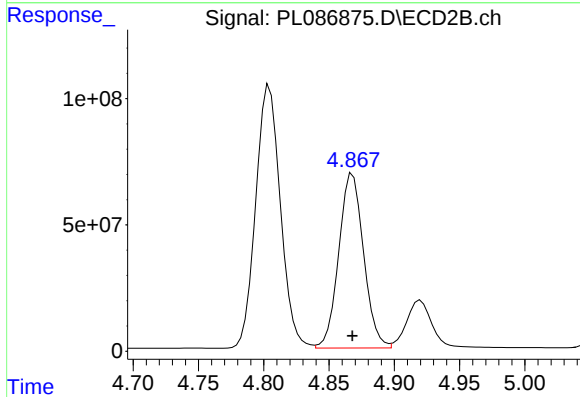
#11 alpha-Chlordane

R.T.: 5.822 min
Delta R.T.: -0.001 min
Response: 2874172699
Conc: 763.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

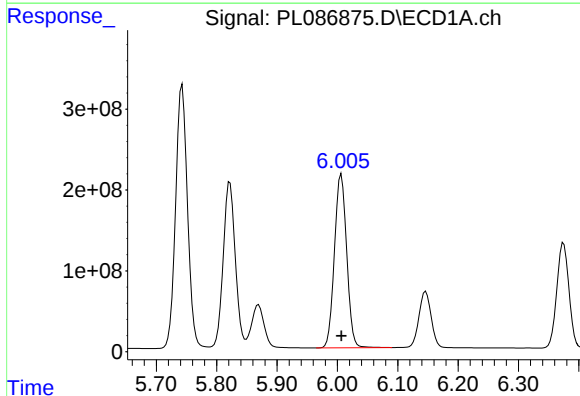
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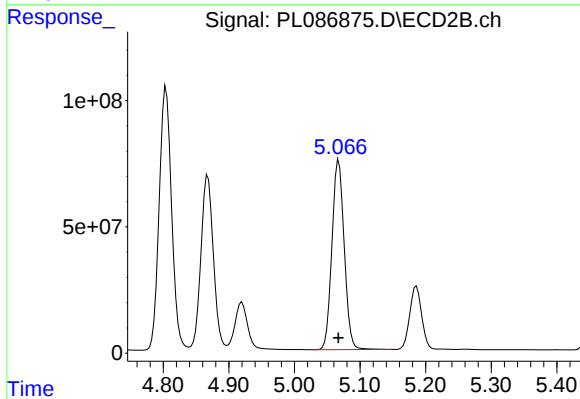
#11 alpha-Chlordane

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 915629950
Conc: 688.55 ng/ml



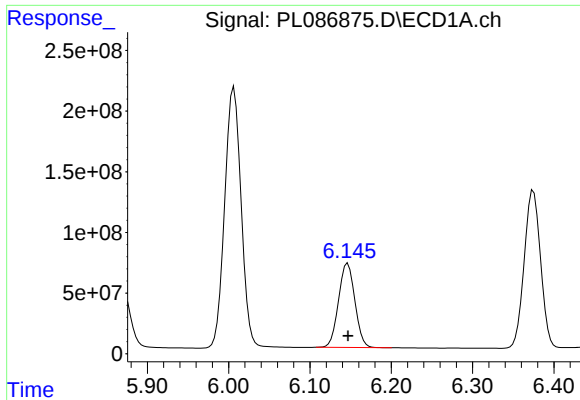
#12 4,4'-DDE

R.T.: 6.007 min
Delta R.T.: 0.000 min
Response: 3030263883
Conc: 1002.27 ng/ml



#12 4,4'-DDE

R.T.: 5.068 min
Delta R.T.: 0.000 min
Response: 976953001
Conc: 1064.13 ng/ml



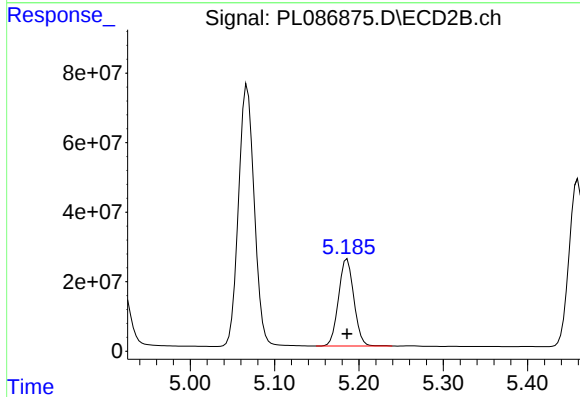
#13 Dieldrin

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 968480286
Conc: 278.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

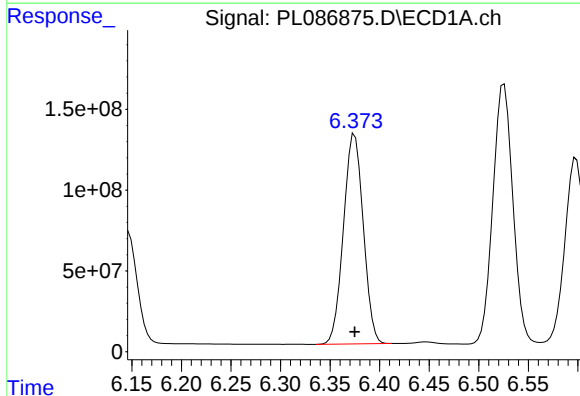
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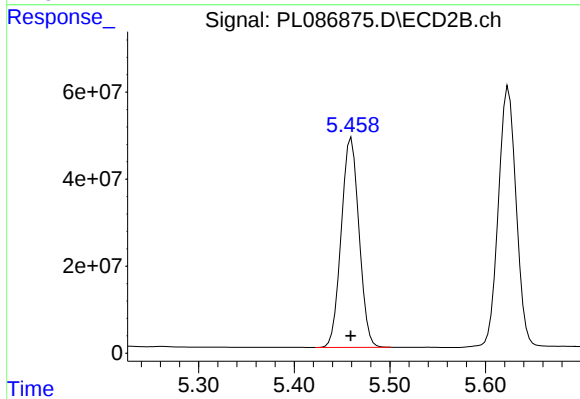
#13 Dieldrin

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 316358906
Conc: 295.40 ng/ml



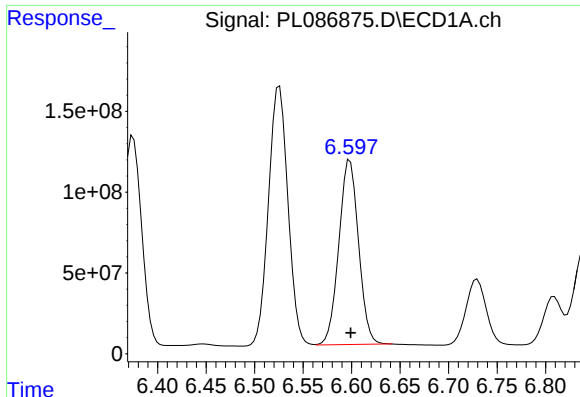
#14 Endrin

R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 1807429190
Conc: 701.19 ng/ml



#14 Endrin

R.T.: 5.460 min
Delta R.T.: 0.000 min
Response: 624088538
Conc: 740.49 ng/ml



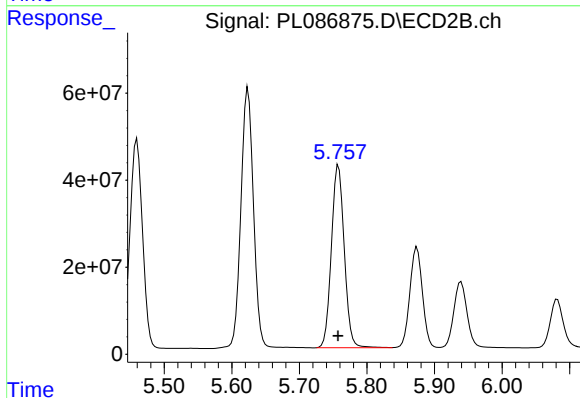
#15 Endosulfan II

R.T.: 6.598 min
Delta R.T.: 0.000 min
Response: 1612187944
Conc: 564.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

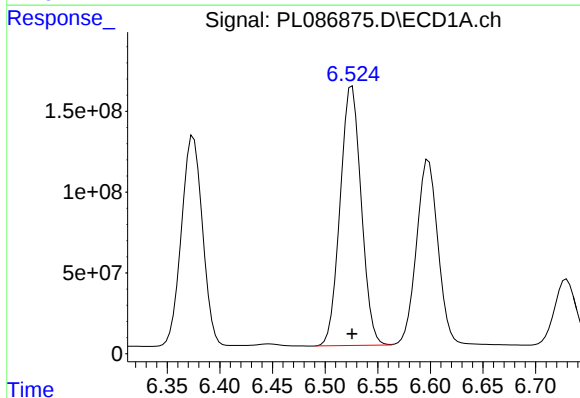
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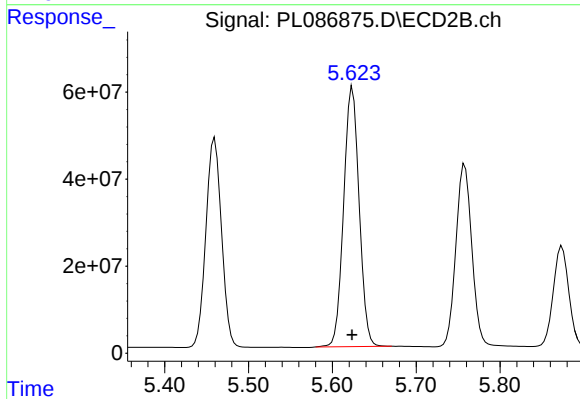
#15 Endosulfan II

R.T.: 5.758 min
Delta R.T.: 0.000 min
Response: 557840858
Conc: 600.77 ng/ml



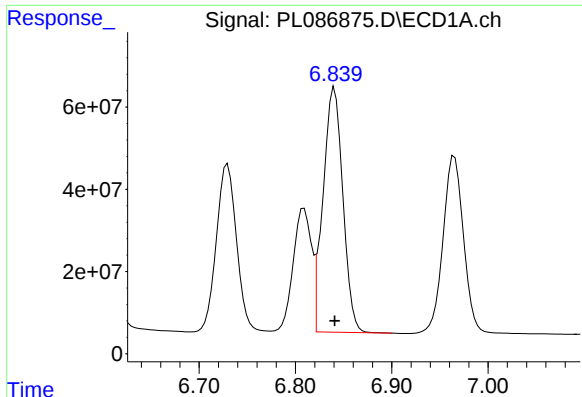
#16 4,4'-DDD

R.T.: 6.526 min
Delta R.T.: 0.000 min
Response: 2245623979
Conc: 959.02 ng/ml



#16 4,4'-DDD

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 768626715
Conc: 995.21 ng/ml



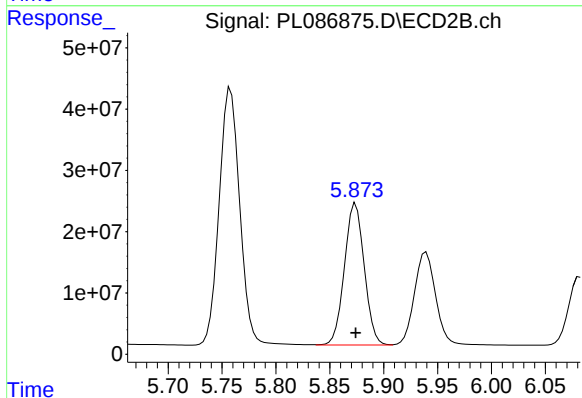
#17 4,4'-DDT

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 849989511
Conc: 331.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

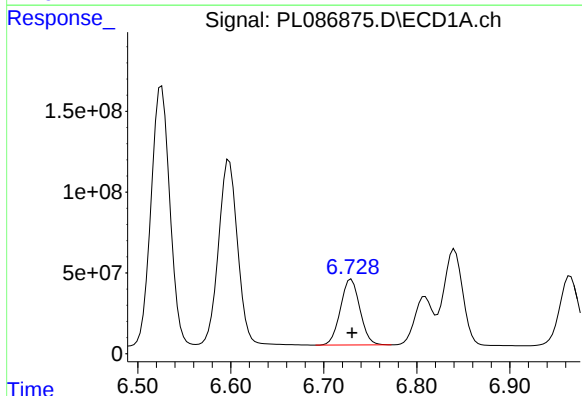
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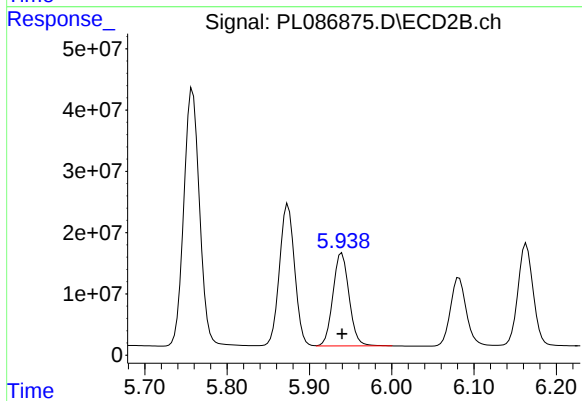
#17 4,4'-DDT

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 296459611
Conc: 367.60 ng/ml



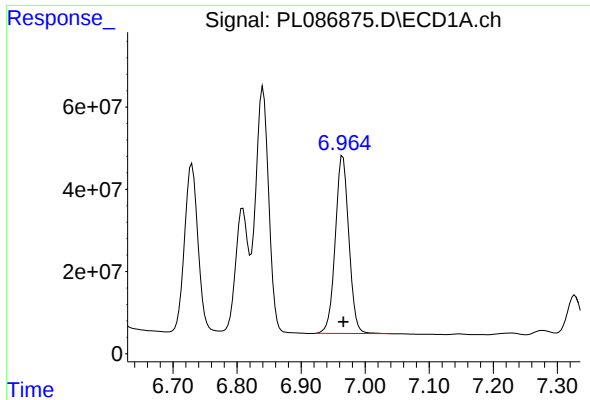
#18 Endrin aldehyde

R.T.: 6.728 min
Delta R.T.: -0.002 min
Response: 590715419
Conc: 276.91 ng/ml m



#18 Endrin aldehyde

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 206439642
Conc: 295.50 ng/ml



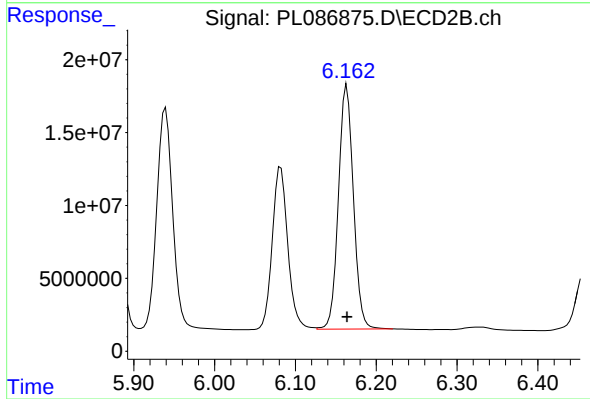
#19 Endosulfan Sulfate

R.T.: 6.965 min
Delta R.T.: -0.001 min
Response: 636743537
Conc: 222.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

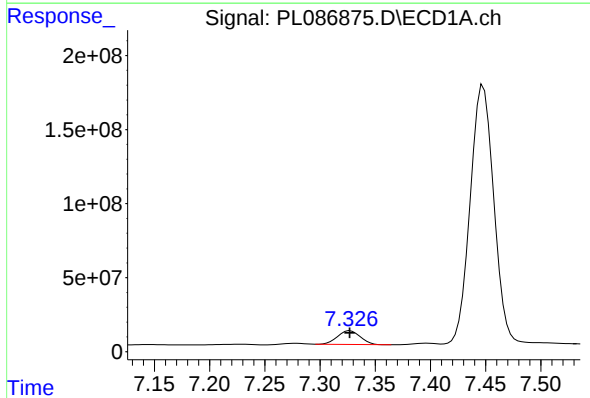
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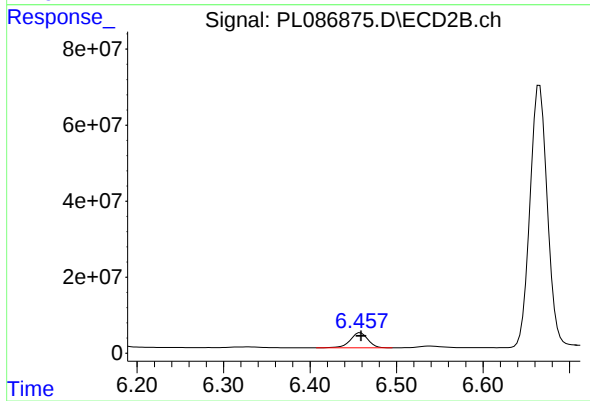
#19 Endosulfan Sulfate

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 215153687
Conc: 226.76 ng/ml



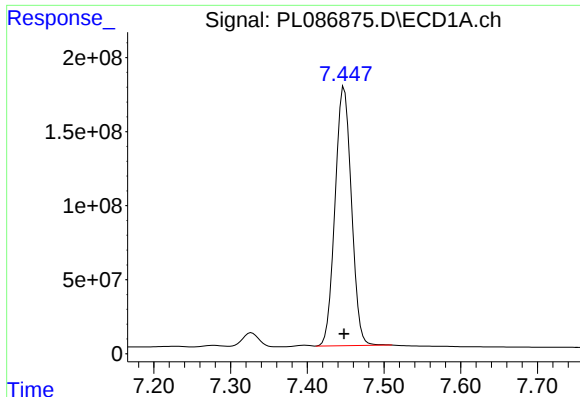
#20 Methoxychlor

R.T.: 7.327 min
Delta R.T.: 0.000 min
Response: 133252571
Conc: 100.91 ng/ml



#20 Methoxychlor

R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 56547109
Conc: 109.86 ng/ml



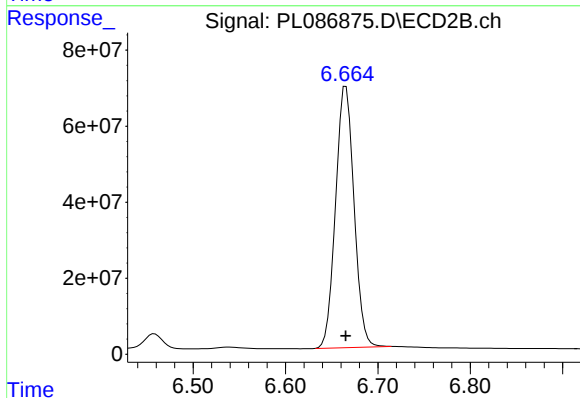
#21 Endrin ketone

R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 2595235260
Conc: 868.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-SOIL

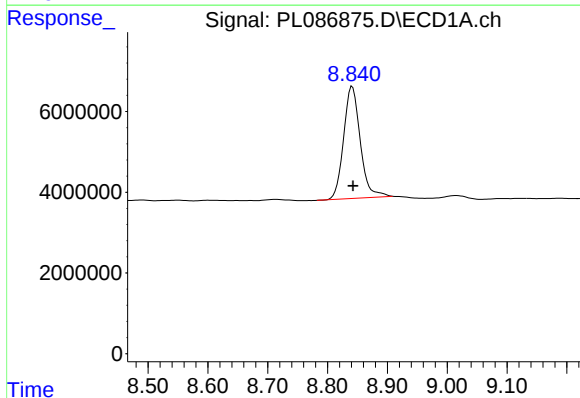
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :Ankita Jodhani 11/29/2023



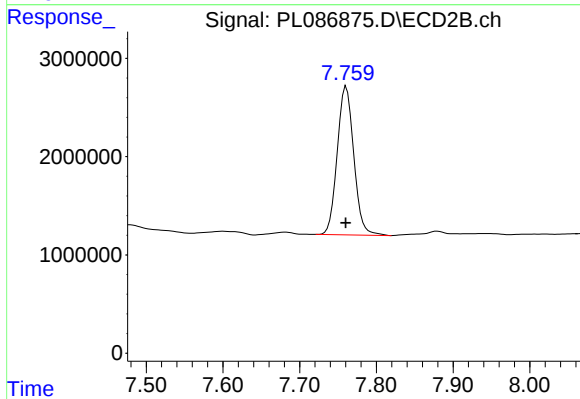
#21 Endrin ketone

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 956015885
Conc: 837.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.841 min
Delta R.T.: -0.001 min
Response: 53661731
Conc: 20.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.761 min
Delta R.T.: 0.000 min
Response: 22692489
Conc: 20.58 ng/ml