

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092125\
 Data File : PL097311.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 17:23
 Operator : AR\AJ
 Sample : Q2893-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 20 01:20:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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	71565111	105.0E6	15.808	15.973
28)	SA Decachlor...	9.002	7.985	54371332	78770586	16.616	13.840
Target Compounds							
2)	A alpha-BHC	3.974	3.328	27786942	39784489	3.977	3.995
3)	MA gamma-BHC...	4.302	3.660	25777159	38167753	3.898	4.098
4)	MA Heptachlor	4.893	4.008	28709056	39598154	4.304	4.256
5)	MB Aldrin	5.232	4.290	25739363	36975818	4.064	4.260
6)	B beta-BHC	4.489	3.955	12733556	18479459	4.671	4.549m
7)	B delta-BHC	4.733	4.189	25267703	36969542	4.164m	4.022
8)	B Heptachlo...	5.652	4.791	29743269	59444933	5.175	7.495m#
9)	A Endosulfan I	6.034	5.163	22387677	33653195	4.321	4.380
10)	B gamma-Chl...	5.906	5.042	22966149	38391275	4.062	4.396m
11)	B alpha-Chl...	5.984	5.108	23843728	37715846	4.198m	4.544
12)	B 4,4'-DDE	6.156	5.296	19502873	30705670	4.093	3.996
13)	MA Dieldrin	6.306	5.428	21430879	33038447	3.909	4.041
14)	MA Endrin	6.532	5.702	17260630	28611911	3.742	3.810
15)	B Endosulfa...	6.744	5.994	25918491	28950432	5.270m	4.072
16)	A 4,4'-DDD	6.665	5.849	16260435	26955782	4.312	4.180
17)	MA 4,4'-DDT	6.980	6.102	14869400	24786800	3.518	3.582
18)	B Endrin al...	6.875	6.170	14270980	32120533	4.629	6.018m#
19)	B Endosulfa...	7.108	6.396	16969620	26950175	4.156	3.934
20)	A Methoxychlor	7.453	6.675	7747350	13225095	3.715	3.508
21)	B Endrin ke...	7.588	6.900	17837526	30551104	4.203	4.057
22)	Mirex	8.066	7.090	15032425	23024887	4.234	3.851

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092125\
Data File : PL097311.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 17:23
Operator : AR\AJ
Sample : Q2893-02
Misc : PEST LOQ 5PPB
ALS Vial : 19 Sample Multiplier: 1

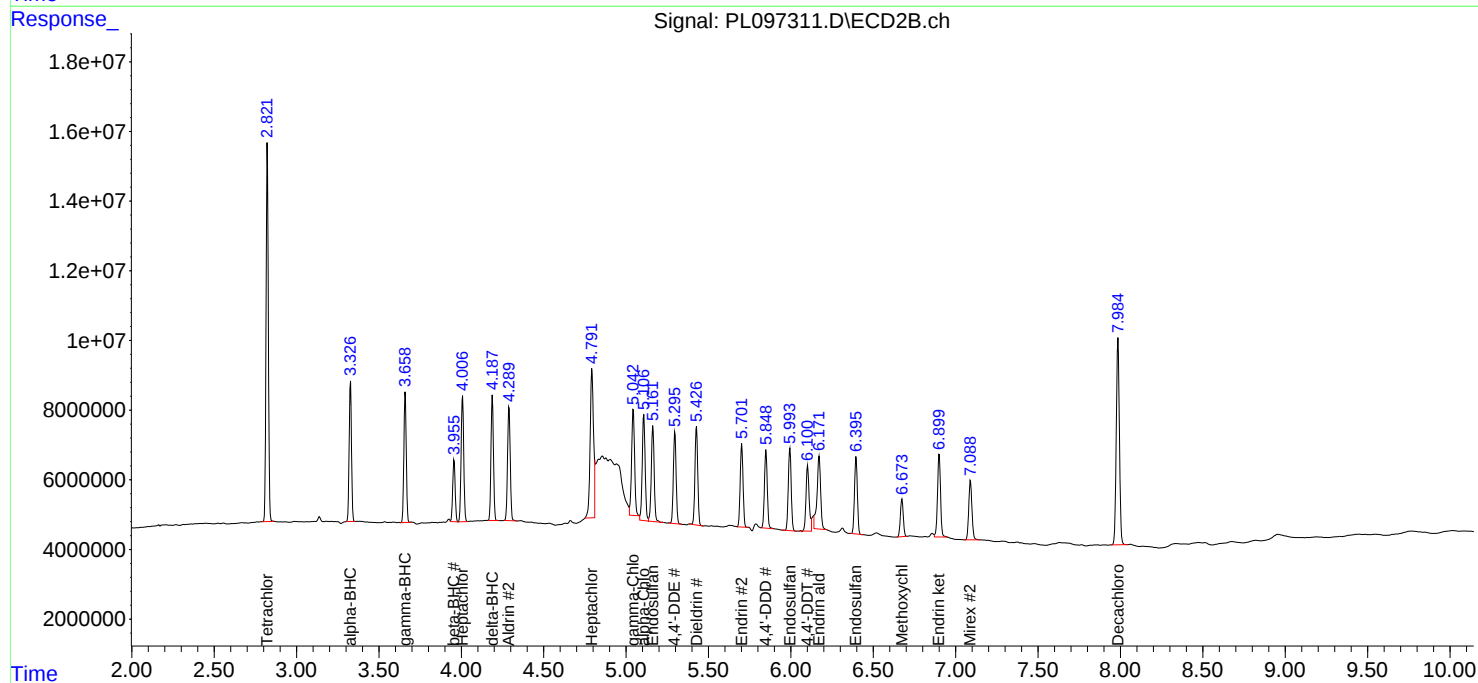
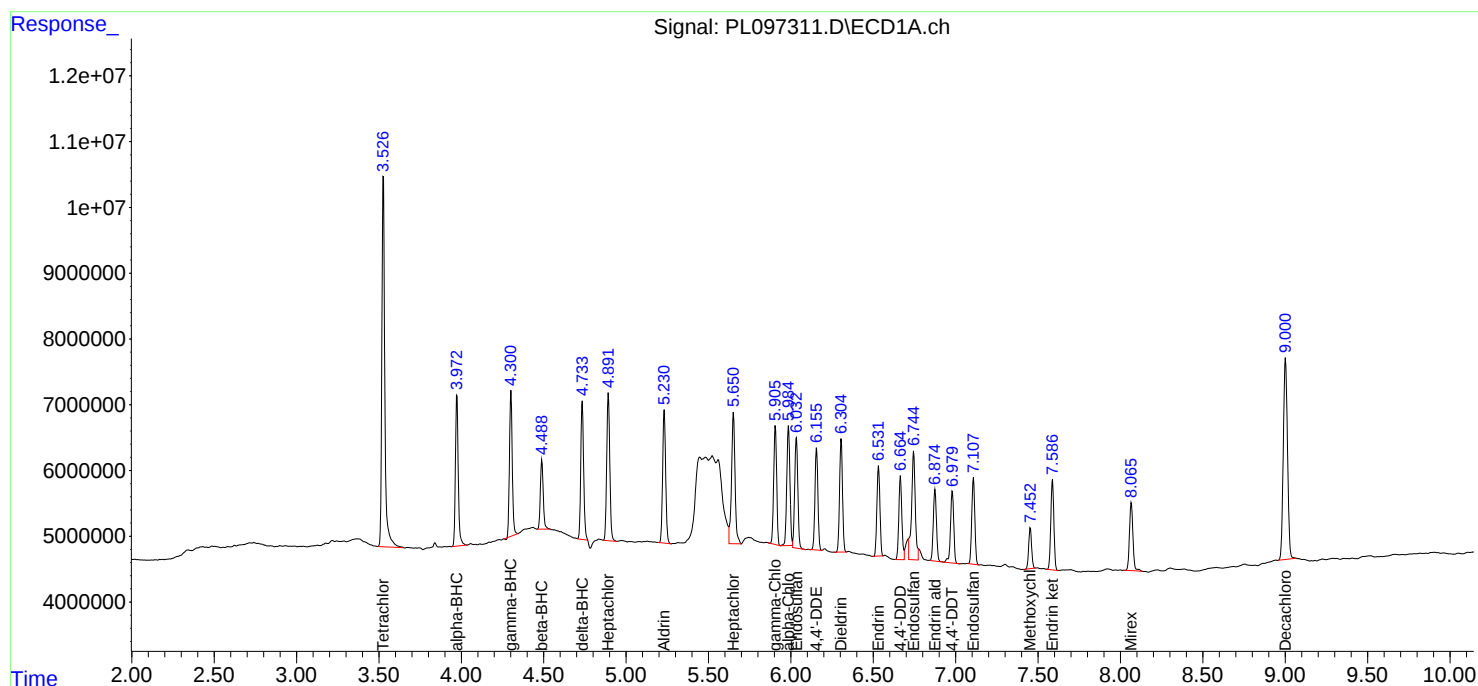
Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

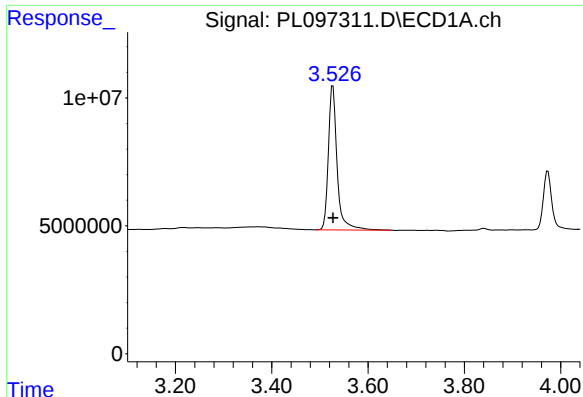
Manual Integrations
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Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 20 01:20:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 2025
Response via : Initial Calibration
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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





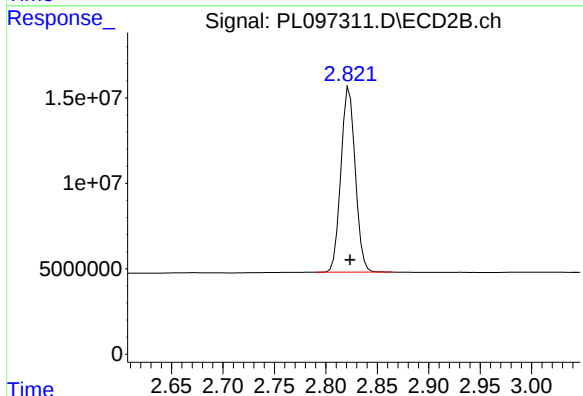
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 71565111
Conc: 15.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

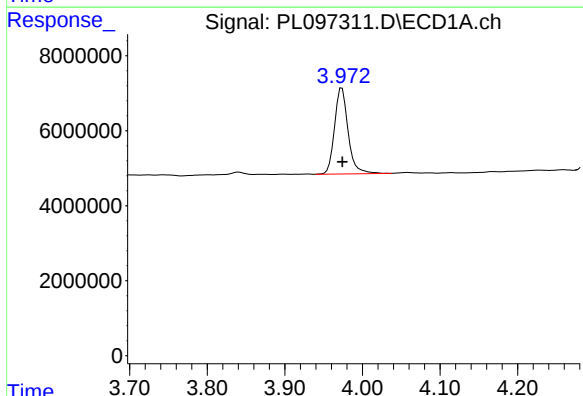
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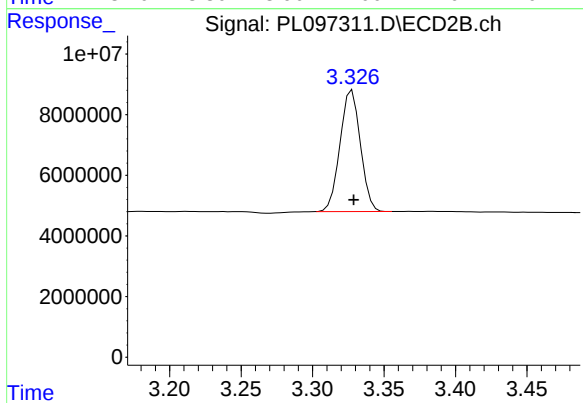
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 105032937
Conc: 15.97 ng/ml



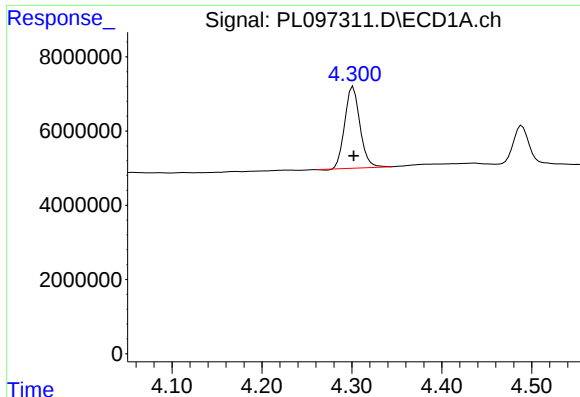
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 27786942
Conc: 3.98 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.001 min
Response: 39784489
Conc: 4.00 ng/ml



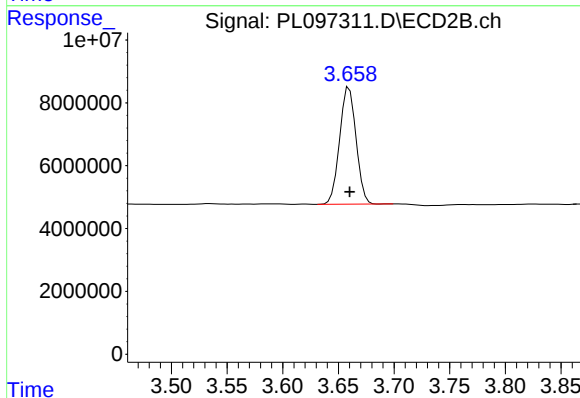
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 25777159
Conc: 3.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

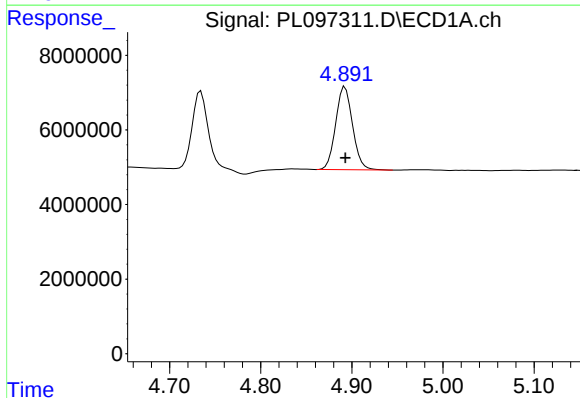
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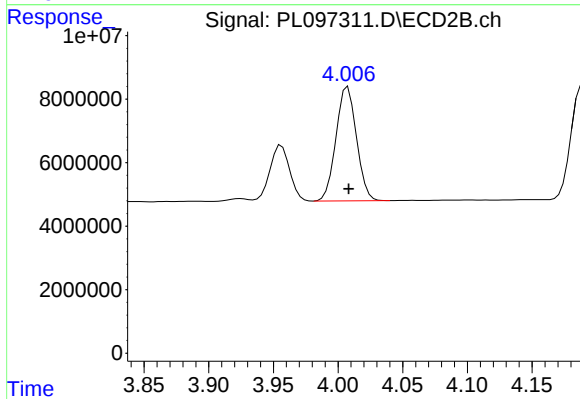
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 38167753
Conc: 4.10 ng/ml



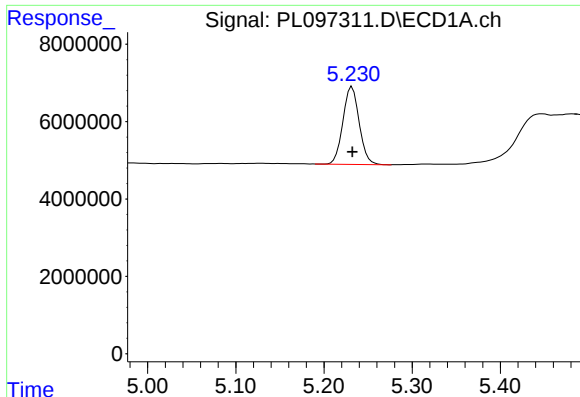
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 28709056
Conc: 4.30 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: 0.000 min
Response: 39598154
Conc: 4.26 ng/ml



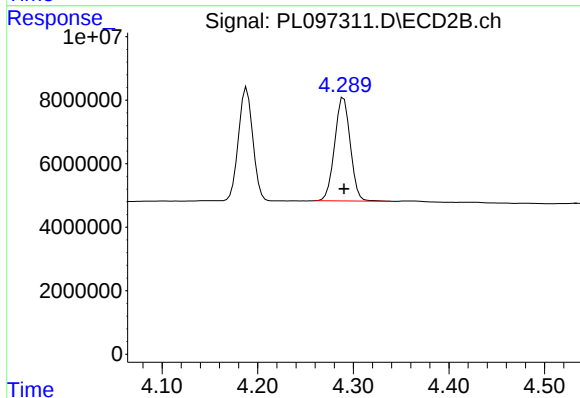
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 25739363
Conc: 4.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

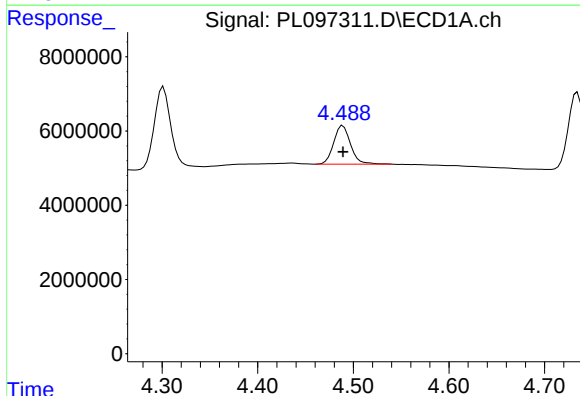
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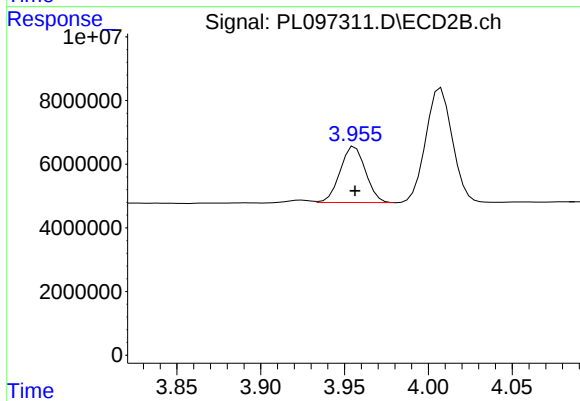
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: 0.000 min
Response: 36975818
Conc: 4.26 ng/ml



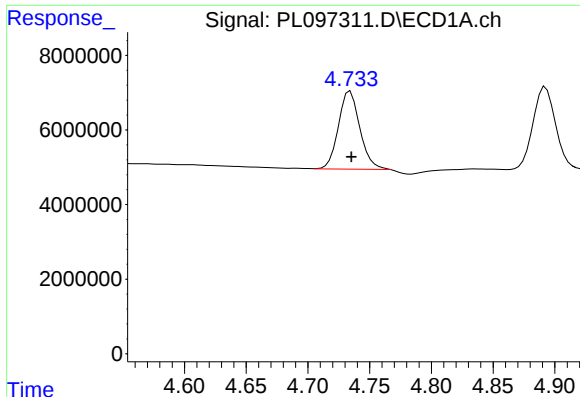
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 12733556
Conc: 4.67 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.002 min
Response: 18479459
Conc: 4.55 ng/ml m



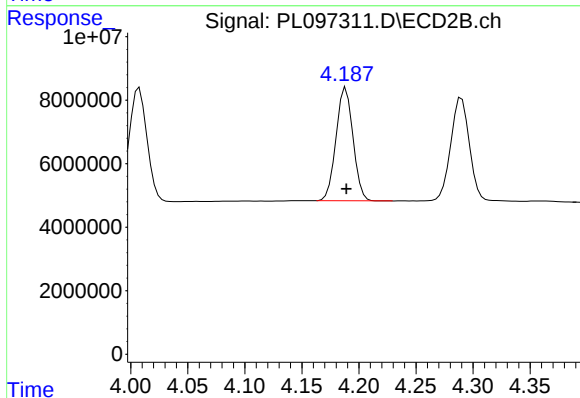
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.002 min
Response: 25267703
Conc: 4.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

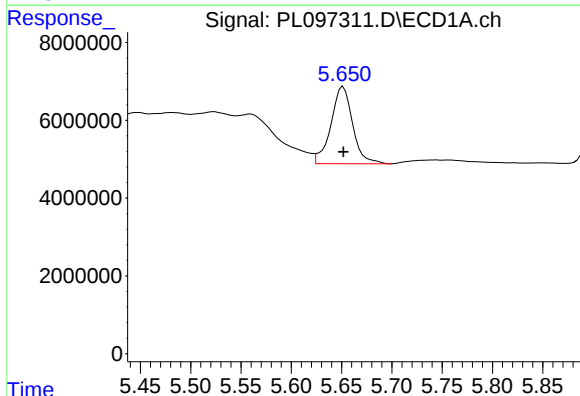
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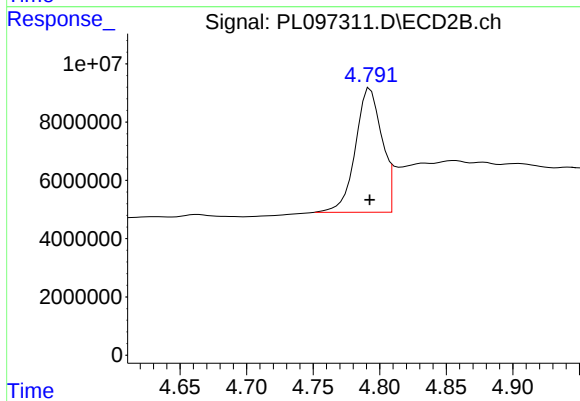
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 36969542
Conc: 4.02 ng/ml



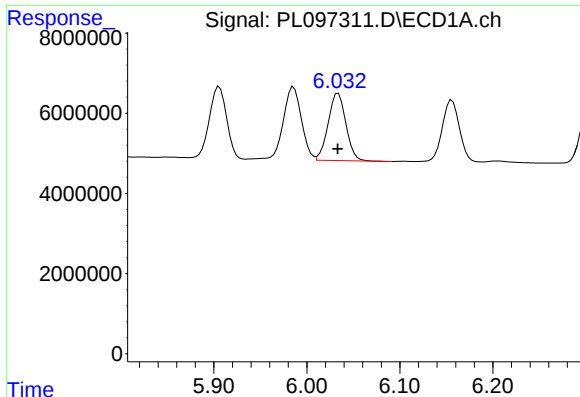
#8 Heptachlor epoxide

R.T.: 5.652 min
Delta R.T.: 0.000 min
Response: 29743269
Conc: 5.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 59444933
Conc: 7.49 ng/ml m



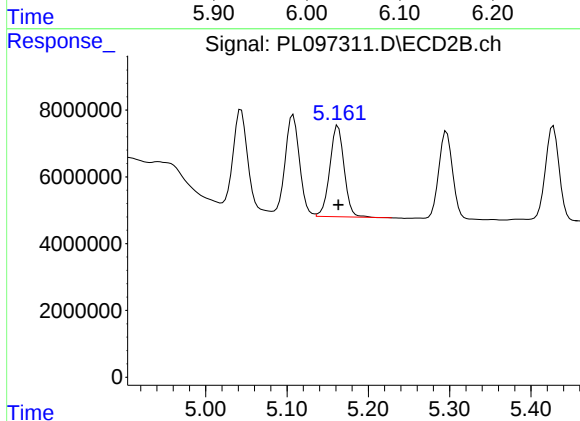
#9 Endosulfan I

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 22387677
Conc: 4.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

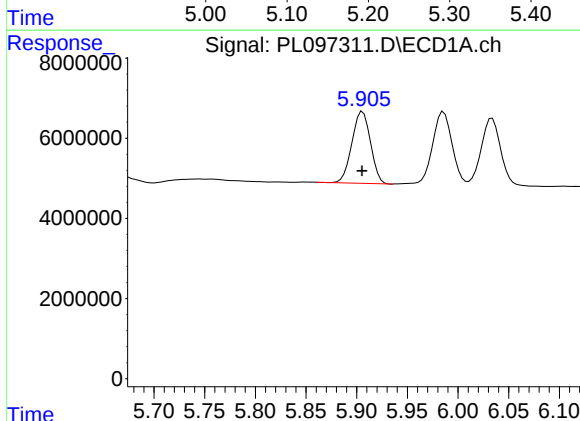
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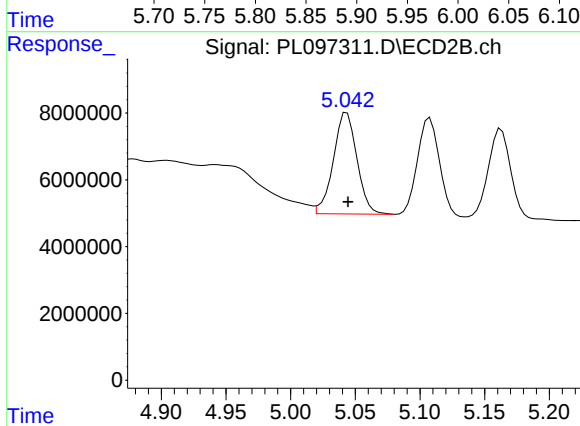
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 33653195
Conc: 4.38 ng/ml



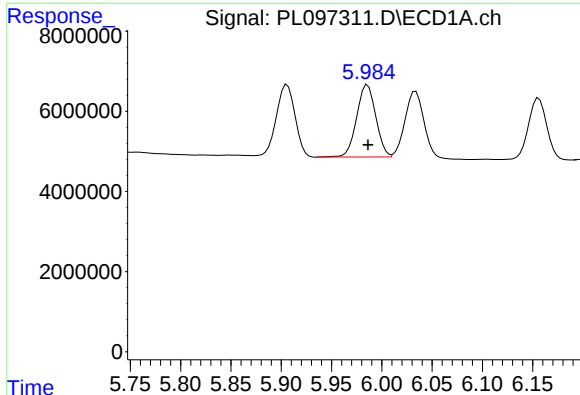
#10 gamma-Chlordane

R.T.: 5.906 min
Delta R.T.: 0.000 min
Response: 22966149
Conc: 4.06 ng/ml



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 38391275
Conc: 4.40 ng/ml m



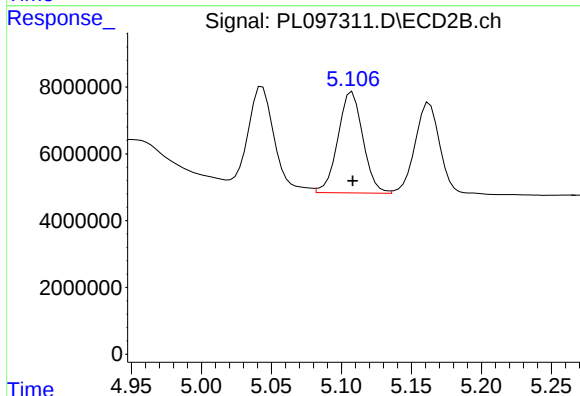
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.002 min
Response: 23843728
Conc: 4.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

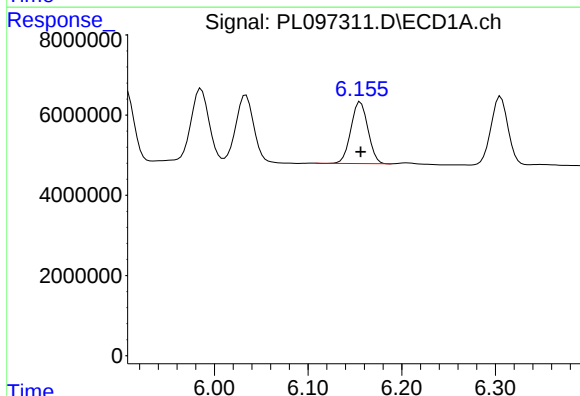
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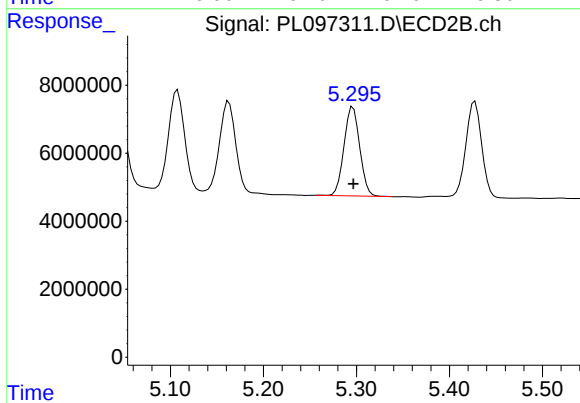
#11 alpha-Chlordane

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 37715846
Conc: 4.54 ng/ml



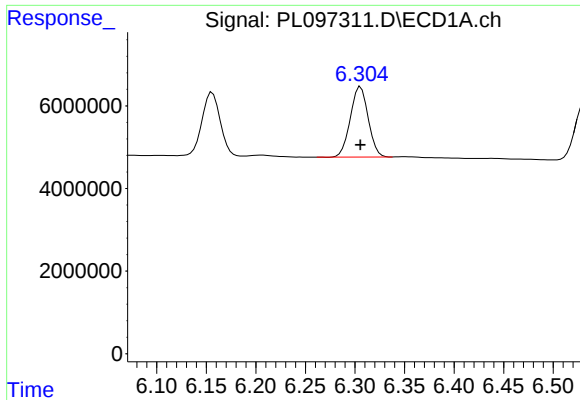
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 19502873
Conc: 4.09 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 30705670
Conc: 4.00 ng/ml



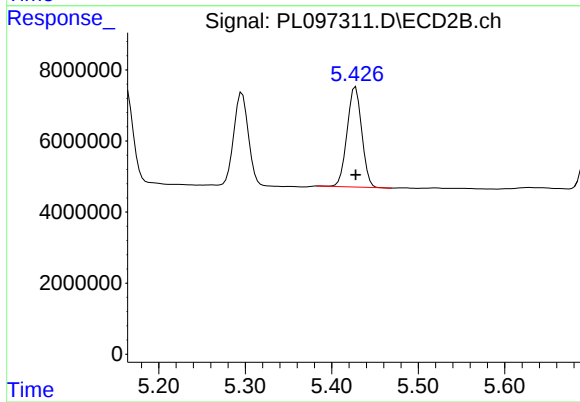
#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 21430879
Conc: 3.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

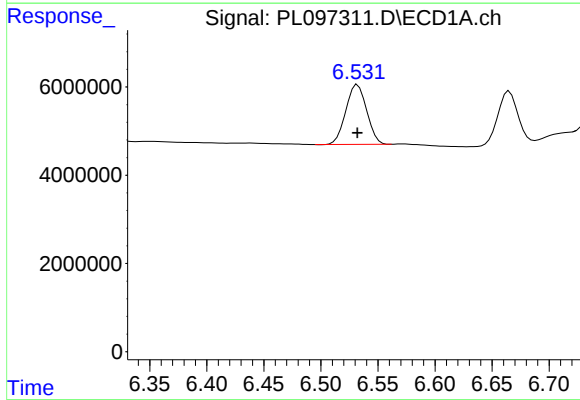
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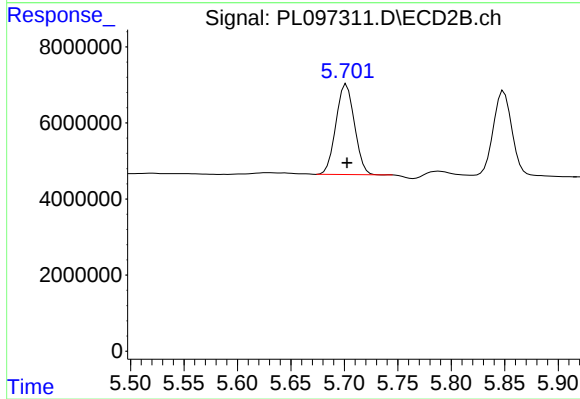
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 33038447
Conc: 4.04 ng/ml



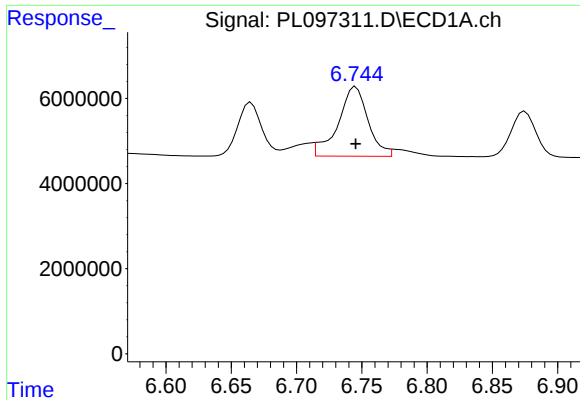
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 17260630
Conc: 3.74 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 28611911
Conc: 3.81 ng/ml



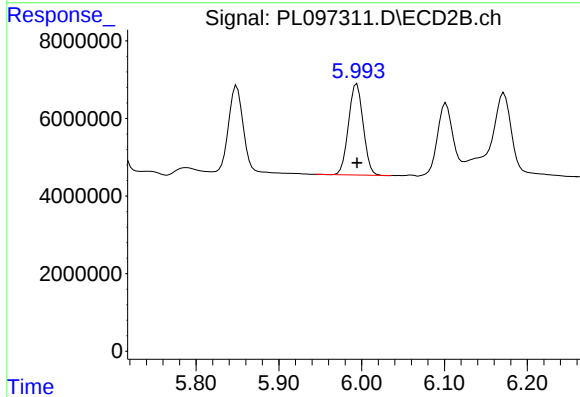
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 25918491
Conc: 5.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

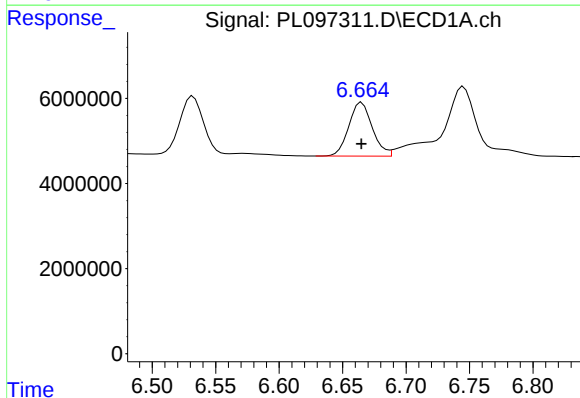
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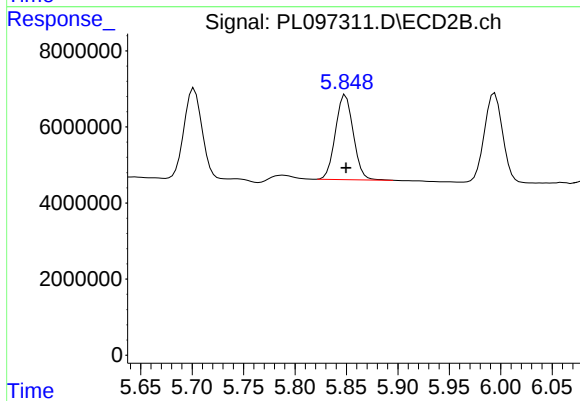
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 28950432
Conc: 4.07 ng/ml



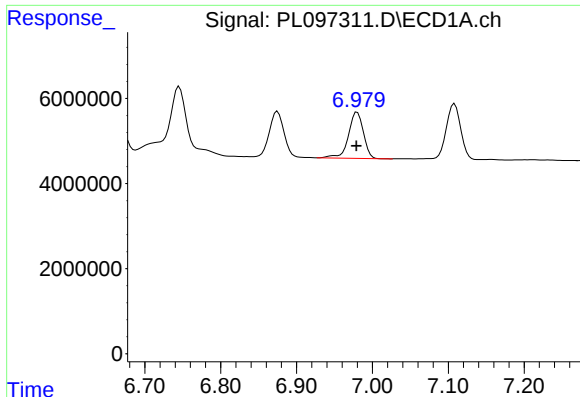
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 16260435
Conc: 4.31 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 26955782
Conc: 4.18 ng/ml



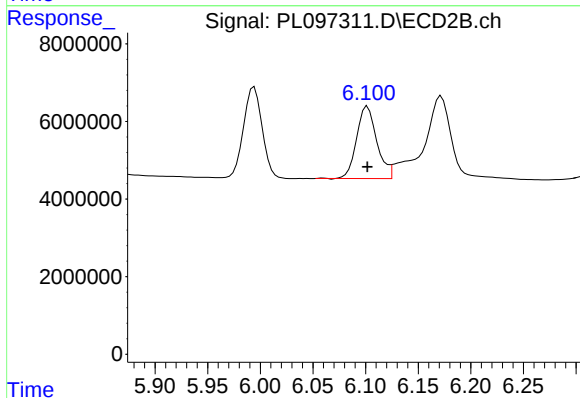
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: 0.001 min
Response: 14869400
Conc: 3.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

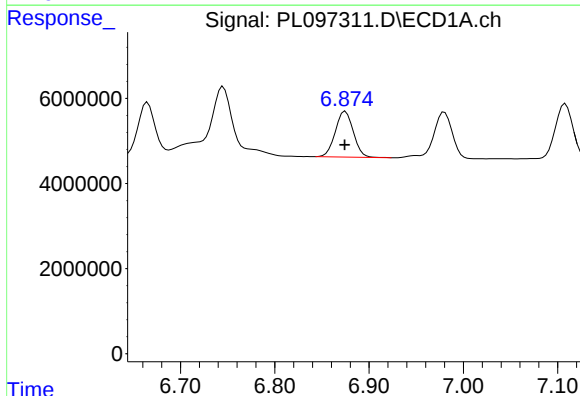
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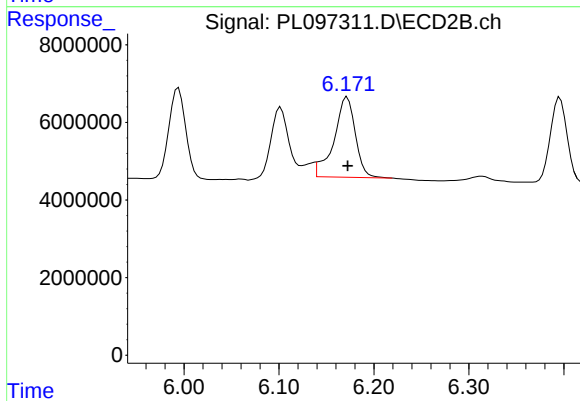
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 24786800
Conc: 3.58 ng/ml



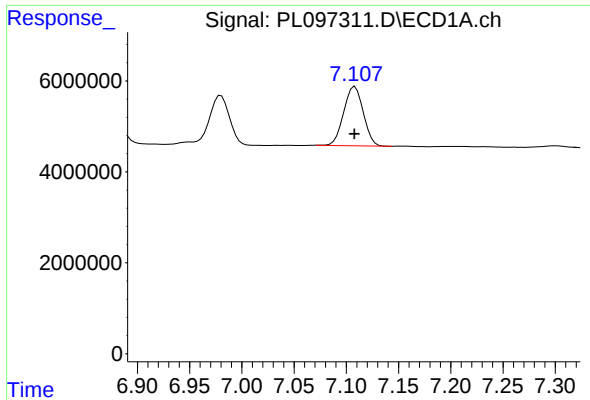
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 14270980
Conc: 4.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.002 min
Response: 32120533
Conc: 6.02 ng/ml m



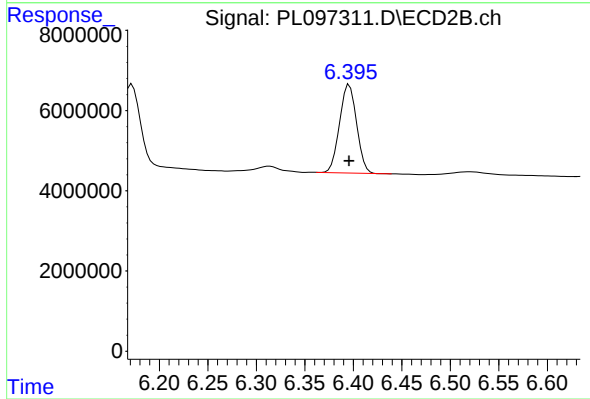
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 16969620
Conc: 4.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
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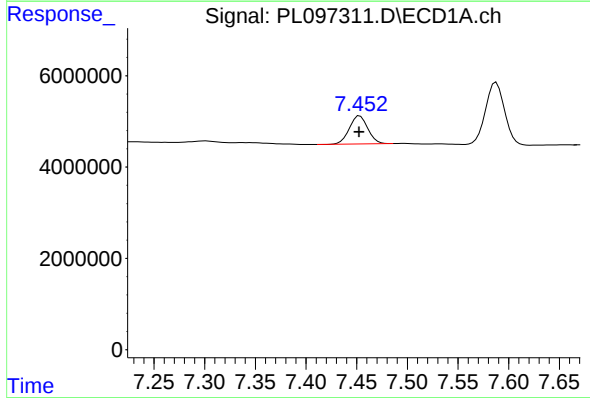
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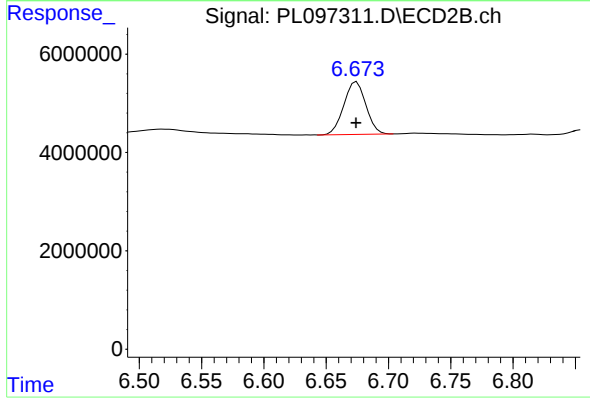
#19 Endosulfan Sulfate

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 26950175
Conc: 3.93 ng/ml



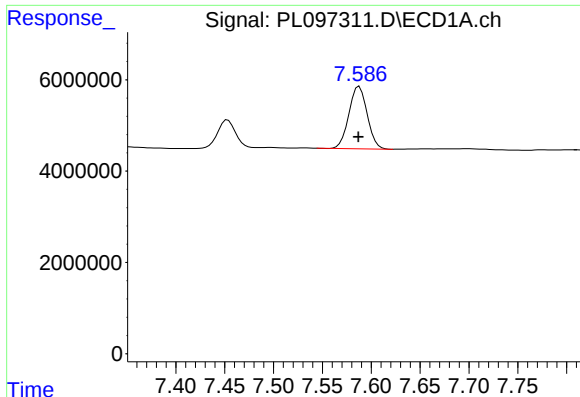
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 7747350
Conc: 3.72 ng/ml



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 13225095
Conc: 3.51 ng/ml



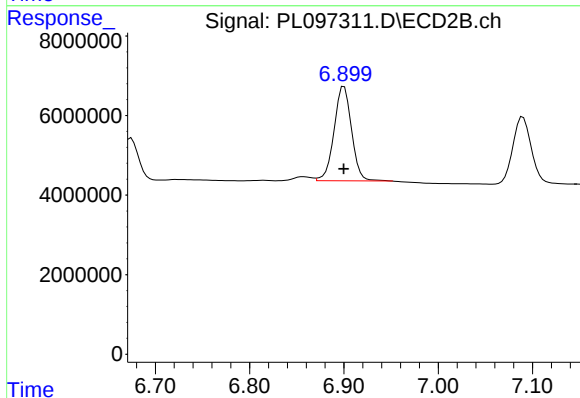
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: 0.000 min
Response: 17837526
Conc: 4.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

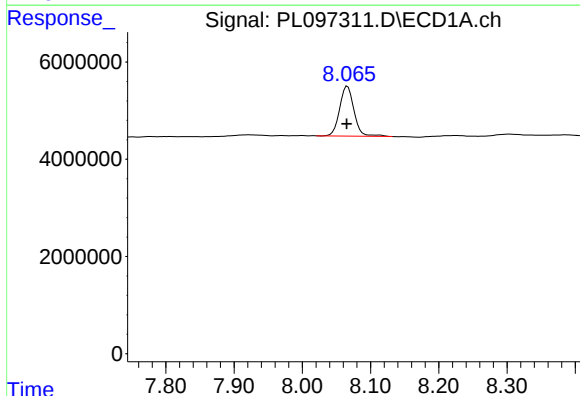
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025



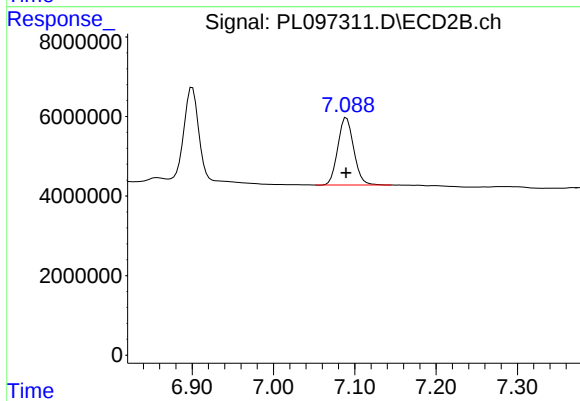
#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 30551104
Conc: 4.06 ng/ml



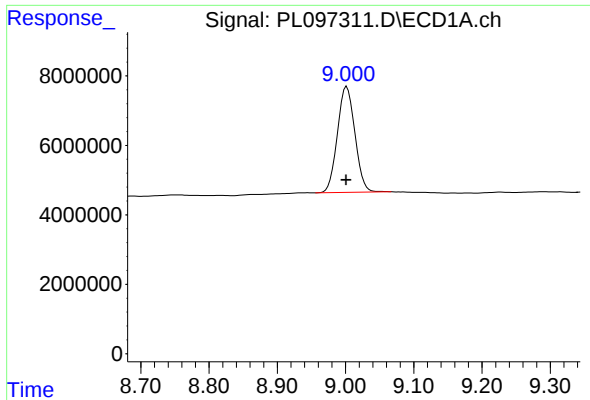
#22 Mirex

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 15032425
Conc: 4.23 ng/ml



#22 Mirex

R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 23024887
Conc: 3.85 ng/ml



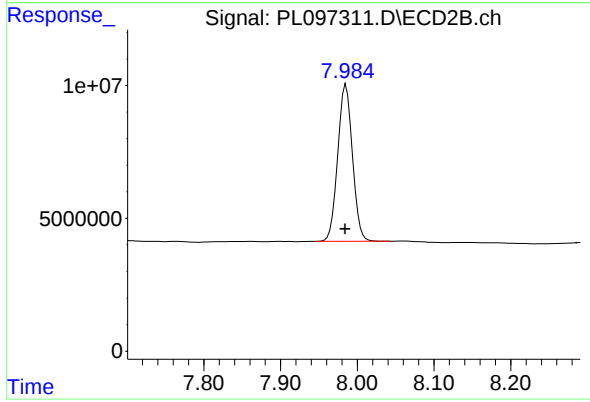
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: 0.001 min
Response: 54371332
Conc: 16.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: 0.001 min
Response: 78770586
Conc: 13.84 ng/ml