

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111724\
 Data File : PD086771.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Nov 2024 11:49
 Operator : AR\AJ
 Sample : P4368-03
 Misc : TOX MDL 50 PPB
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :Ankita Jodhani 11/18/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 15 12:00:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD103024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 31 11:38:14 2024
 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...	3.558	2.885	33224487	225.8E6	22.745	22.837
28)	SA Decachlor...	9.093	8.092	49521368	261.7E6	25.831	24.429
Target Compounds							
2)	A alpha-BHC	0.000	3.392	0	1398593	N.D.	0.092 #
3)	MA gamma-BHC...	0.000	3.736	0	596102	N.D.	0.041 #
4)	MA Heptachlor	0.000	4.097	0	635865	N.D.	0.045 #
5)	MB Aldrin	0.000	4.396	0	1120548	N.D.	0.077 #
6)	B beta-BHC	0.000	4.048	0	1647373	N.D.	0.258 #
7)	B delta-BHC	4.788	4.269	1561673	973944	0.528	0.066 #
8)	B Heptachlo...	0.000	4.875	0	1635527	N.D.	0.124 #
9)	A Endosulfan I	6.102	5.253	241804	363559	0.105	0.029 #
10)	B gamma-Chl...	5.927f	5.160f	480208	4731987	0.199	0.348 #
11)	B alpha-Chl...	6.051	5.224f	310242	964212	0.128	0.072 #
12)	B 4,4'-DDE	0.000	5.379	0	3133343	N.D.	0.239 #
13)	MA Dieldrin	6.393f	5.522	223244	-829401	0.090	N.D. #
14)	MA Endrin	0.000	5.815	0	1717519	N.D.	0.140 #
15)	B Endosulfa...	0.000	6.095	0	3290232	N.D.	0.274 #
16)	A 4,4'-DDD	6.711	5.968f	317472	1031043	0.176	0.094 #
17)	MA 4,4'-DDT	0.000	6.210	0	3180037	N.D.	0.274 #
18)	B Endrin al...	6.938	6.279	191485	4465508	0.116	0.476 #
19)	B Endosulfa...	7.162	6.507	2178442	2659972	1.084	0.230 #
20)	A Methoxychlor	0.000	6.771	0	9709059	N.D.	1.537 #
22)	Mirex	0.000	7.214	0	8754558	N.D.	0.843 #
23)	Chlordane-1	0.000	3.909	0	1450961	N.D.	3.120 #
24)	Chlordane-2	0.000	4.526f	0	630952	N.D.	1.274 #
25)	Chlordane-3	0.000	5.160	0	4731987	N.D.	3.178 #
26)	Chlordane-4	6.051	5.224	310242	964212	0.675	0.768
27)	Chlordane-5	6.864f	5.879	191921	-721487	2.386	N.D. #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111724\
Data File : PD086771.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Nov 2024 11:49
Operator : AR\AJ
Sample : P4368-03
Misc : TOX MDL 50 PPB
ALS Vial : 13 Sample Multiplier: 1

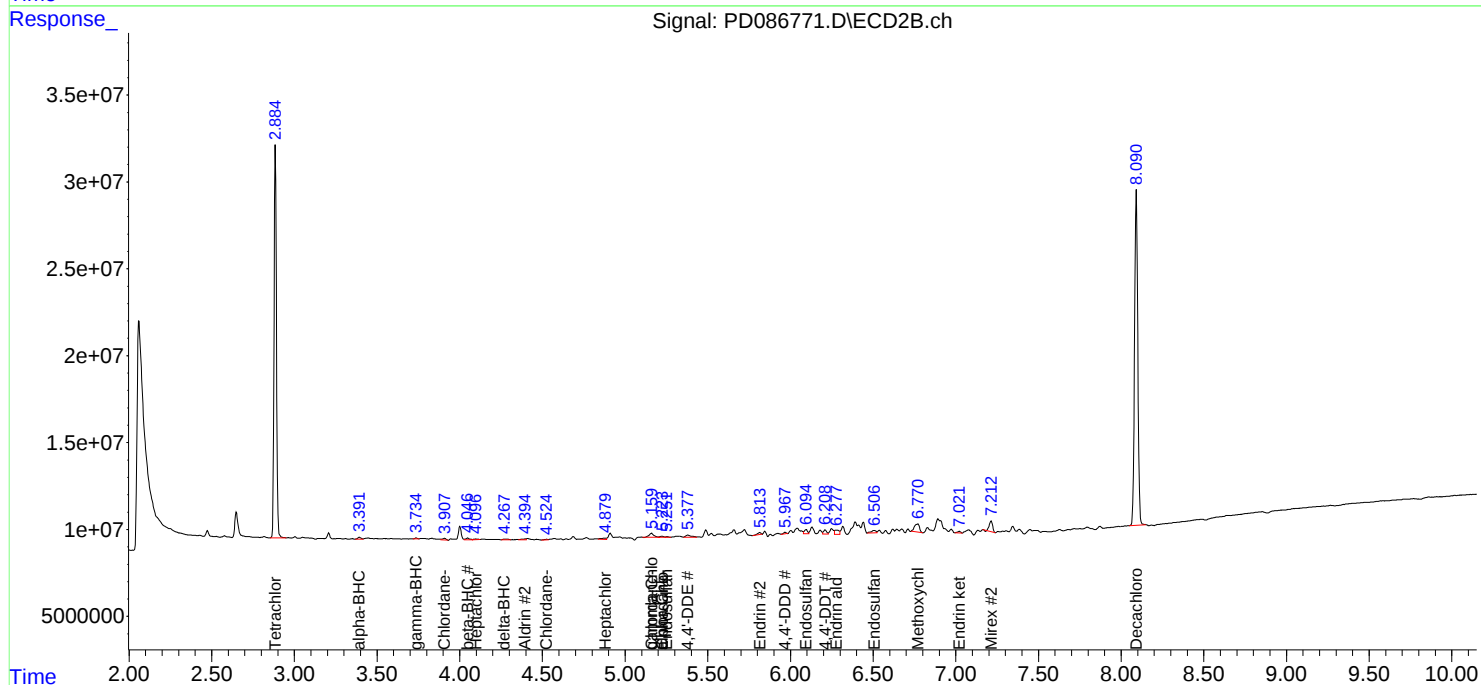
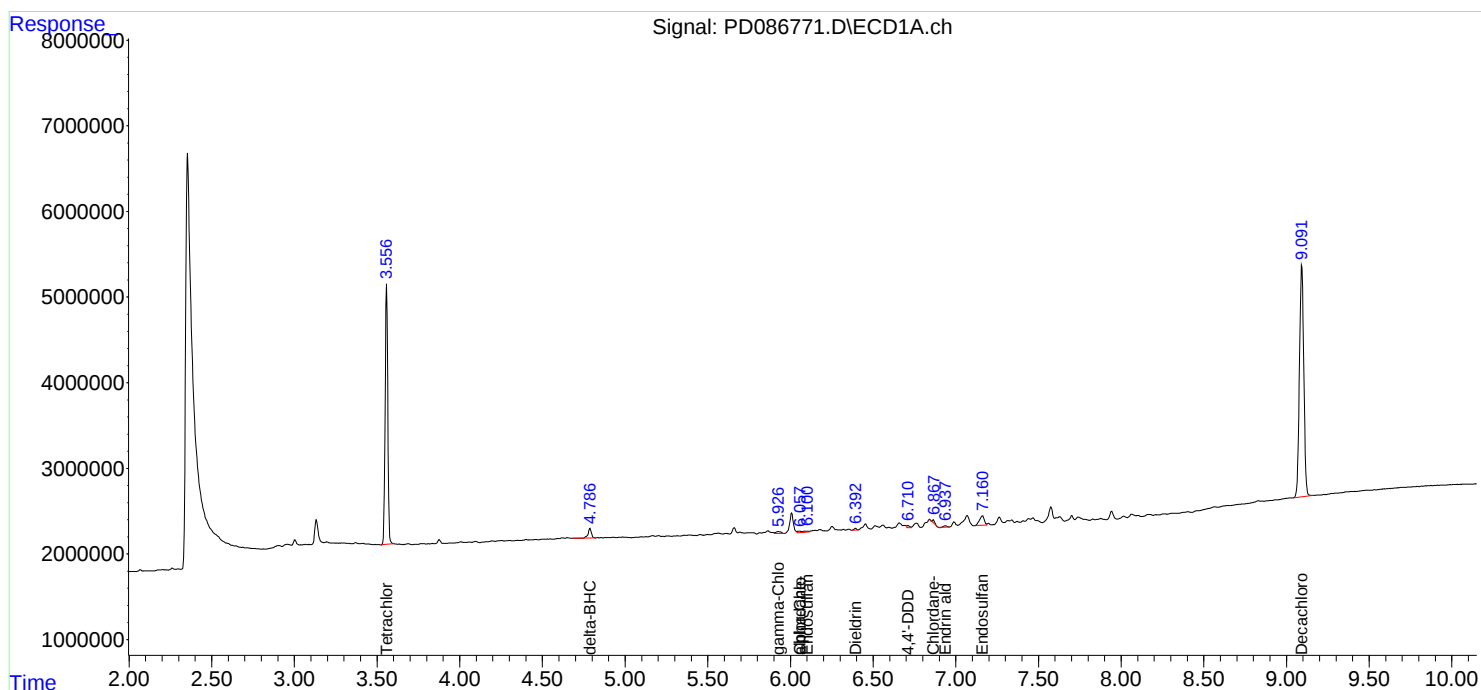
Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

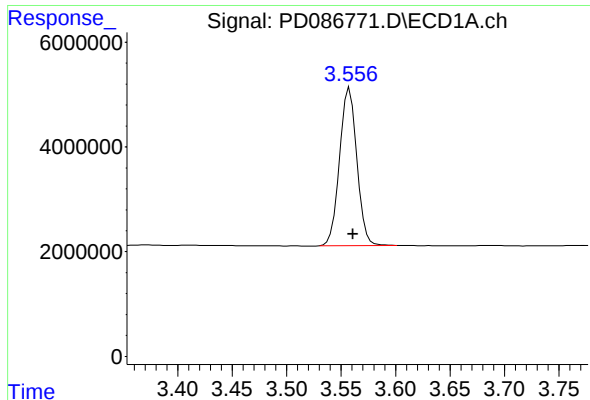
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 15 12:00:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD103024.M
Quant Title : GC Extractables
QLast Update : Thu Oct 31 11:38:14 2024
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





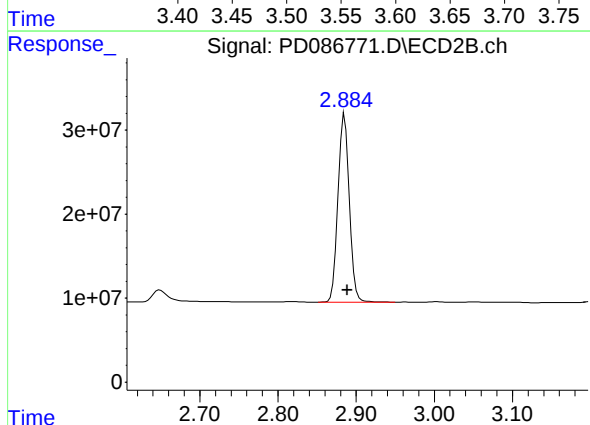
#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: -0.003 min
Response: 33224487
Conc: 22.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

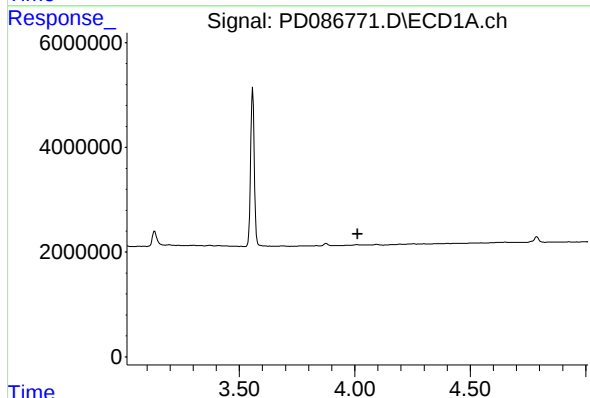
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



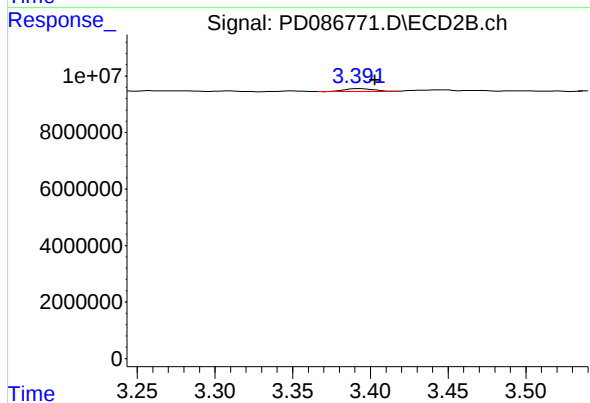
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: -0.003 min
Response: 225845370
Conc: 22.84 ng/ml



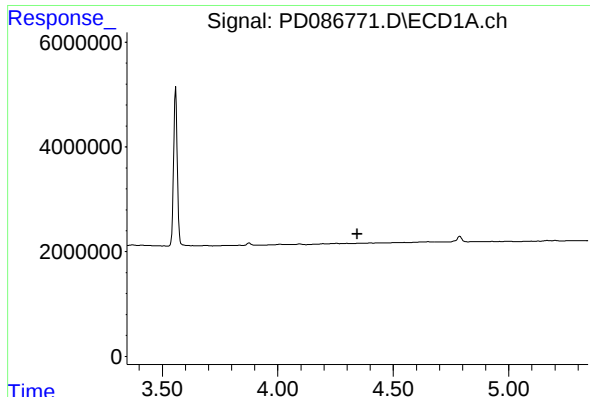
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 4.012 min
Response: 0
Conc: N.D.



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.011 min
Response: 1398593
Conc: 0.09 ng/ml



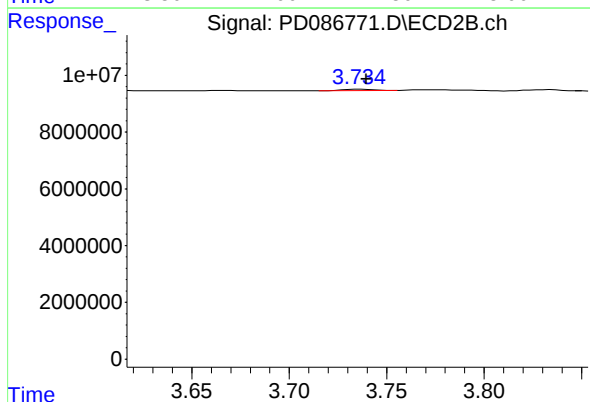
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T.: 4.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

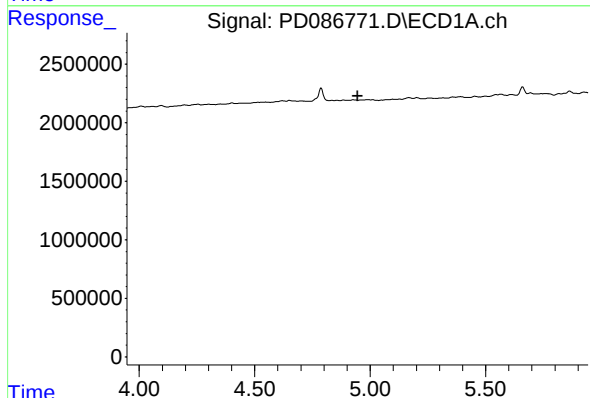
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



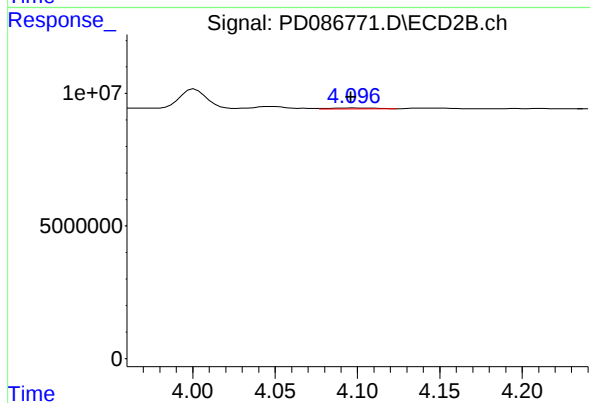
#3 gamma-BHC (Lindane)

R.T.: 3.736 min
Delta R.T.: -0.003 min
Response: 596102
Conc: 0.04 ng/ml



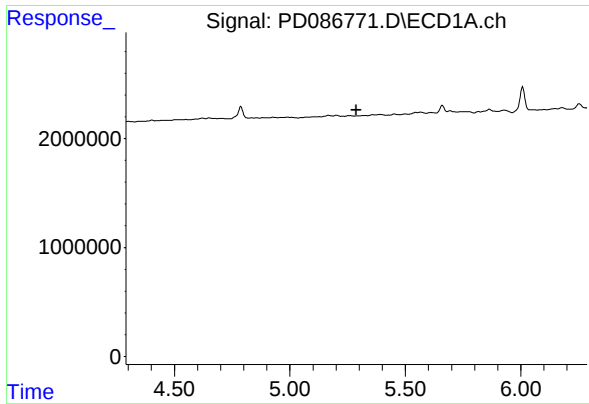
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.945 min
Response: 0
Conc: N.D.



#4 Heptachlor

R.T.: 4.097 min
Delta R.T.: 0.001 min
Response: 635865
Conc: 0.05 ng/ml



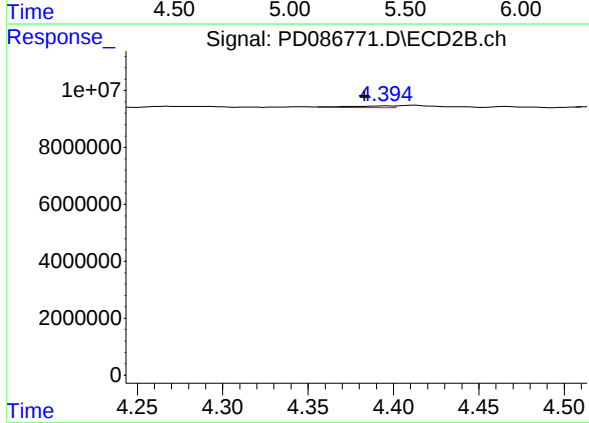
#5 Aldrin

R.T.: 0.000 min
Exp R.T.: 5.287 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

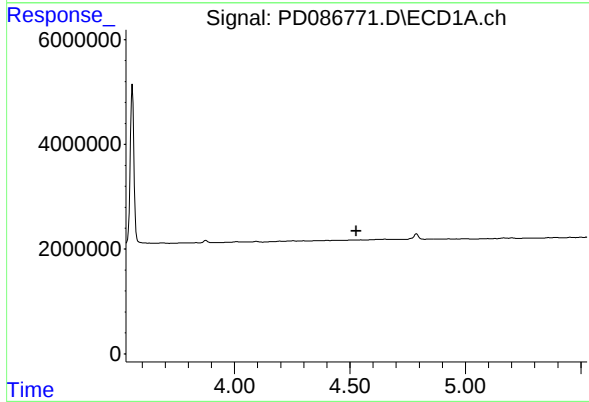
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



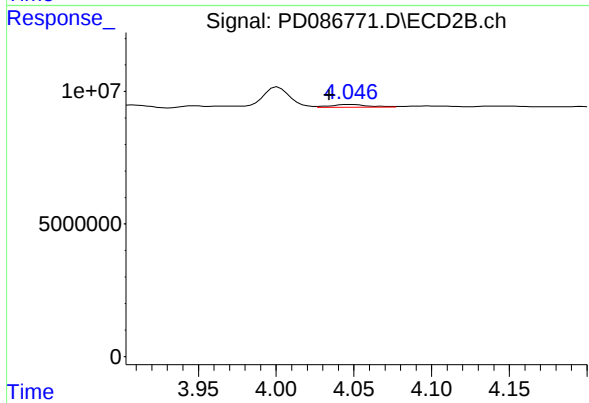
#5 Aldrin

R.T.: 4.396 min
Delta R.T.: 0.013 min
Response: 1120548
Conc: 0.08 ng/ml



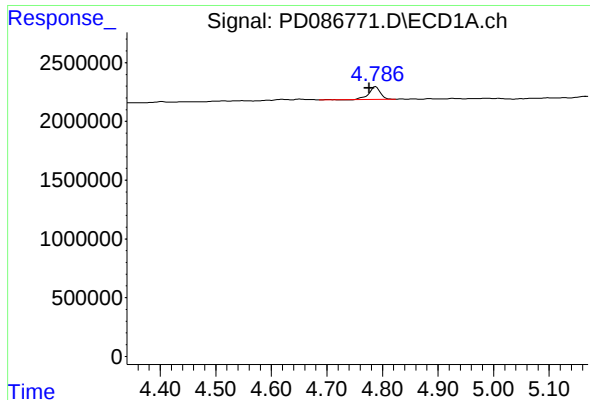
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.527 min
Response: 0
Conc: N.D.



#6 beta-BHC

R.T.: 4.048 min
Delta R.T.: 0.014 min
Response: 1647373
Conc: 0.26 ng/ml



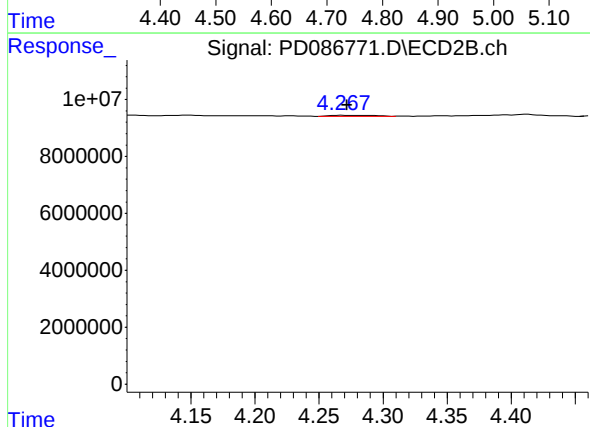
#7 delta-BHC

R.T.: 4.788 min
Delta R.T.: 0.011 min
Response: 1561673
Conc: 0.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

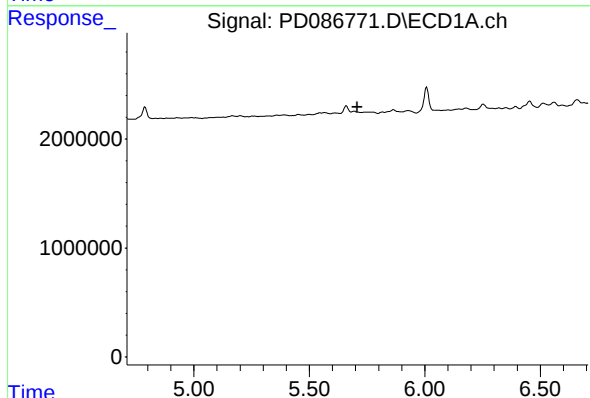
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



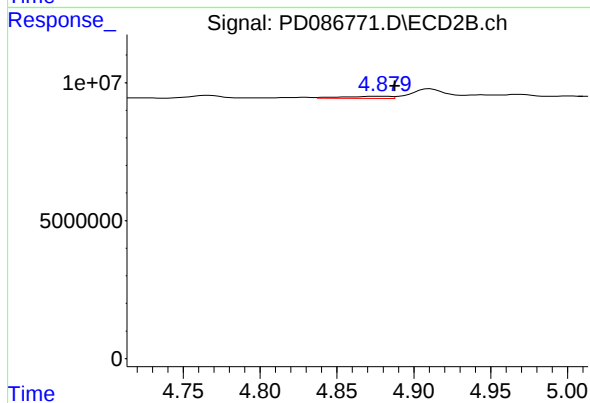
#7 delta-BHC

R.T.: 4.269 min
Delta R.T.: -0.003 min
Response: 973944
Conc: 0.07 ng/ml



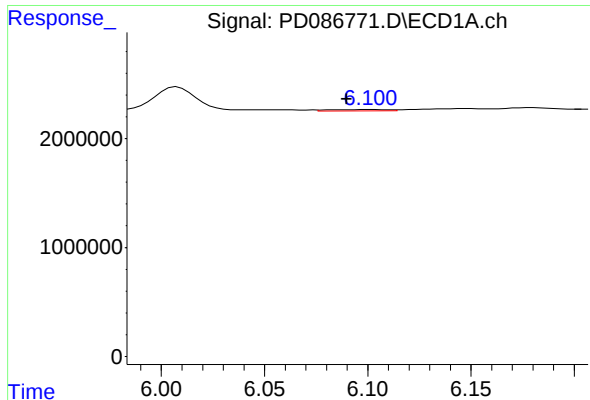
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T.: 5.707 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.013 min
Response: 1635527
Conc: 0.12 ng/ml



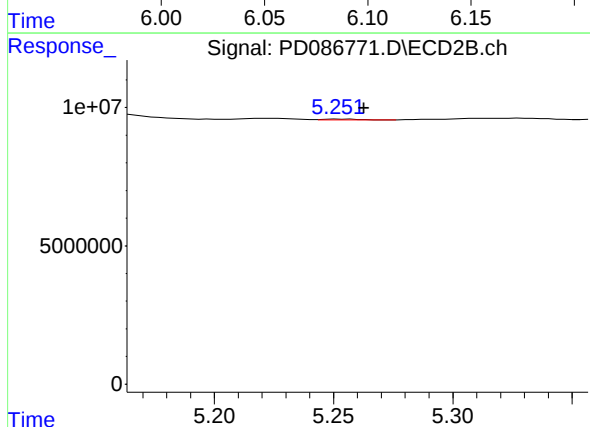
#9 Endosulfan I

R.T.: 6.102 min
Delta R.T.: 0.012 min
Response: 241804
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

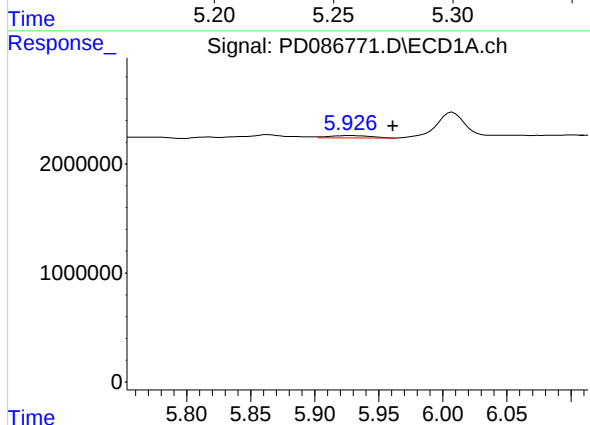
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



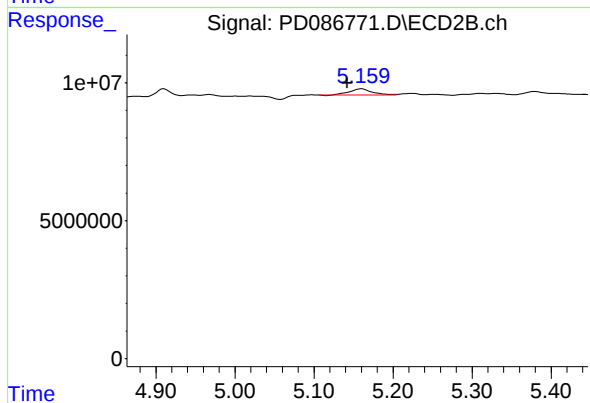
#9 Endosulfan I

R.T.: 5.253 min
Delta R.T.: -0.009 min
Response: 363559
Conc: 0.03 ng/ml



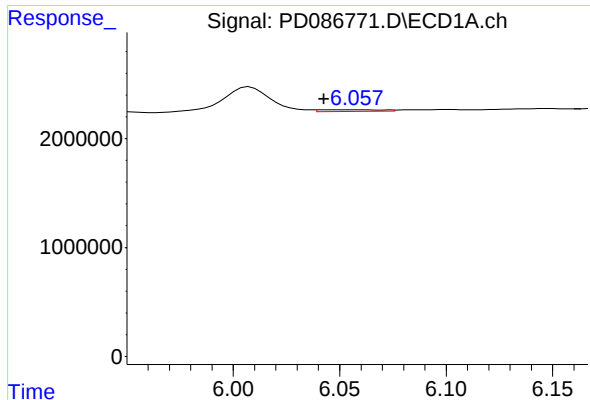
#10 gamma-Chlordane

R.T.: 5.927 min
Delta R.T.: -0.034 min
Response: 480208
Conc: 0.20 ng/ml



#10 gamma-Chlordane

R.T.: 5.160 min
Delta R.T.: 0.019 min
Response: 4731987
Conc: 0.35 ng/ml



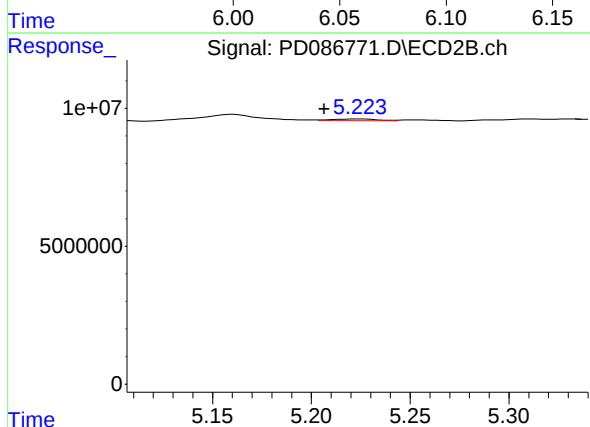
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: 0.008 min
Response: 310242
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

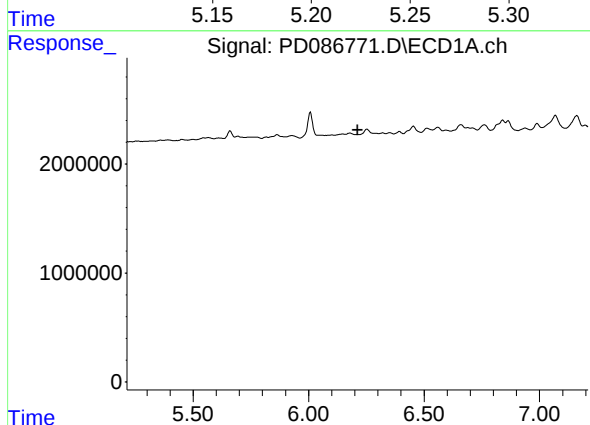
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



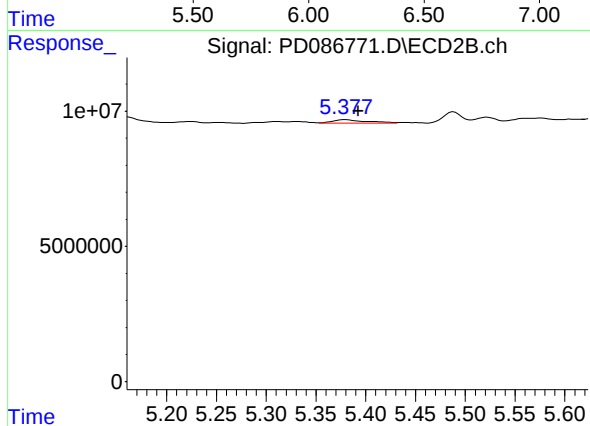
#11 alpha-Chlordane

R.T.: 5.224 min
Delta R.T.: 0.018 min
Response: 964212
Conc: 0.07 ng/ml



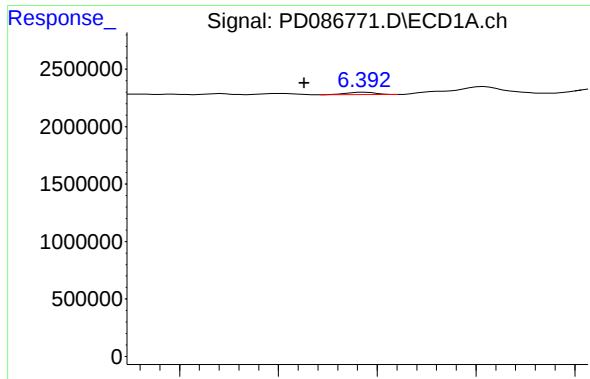
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.211 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

R.T.: 5.379 min
Delta R.T.: -0.014 min
Response: 313343
Conc: 0.24 ng/ml



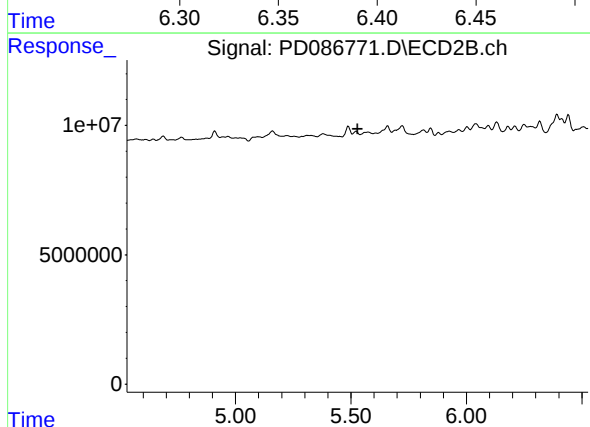
#13 Dieldrin

R.T.: 6.393 min
Delta R.T.: 0.030 min
Response: 223244
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

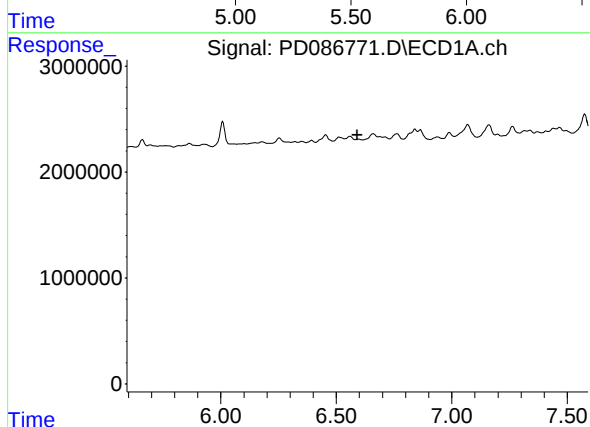
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



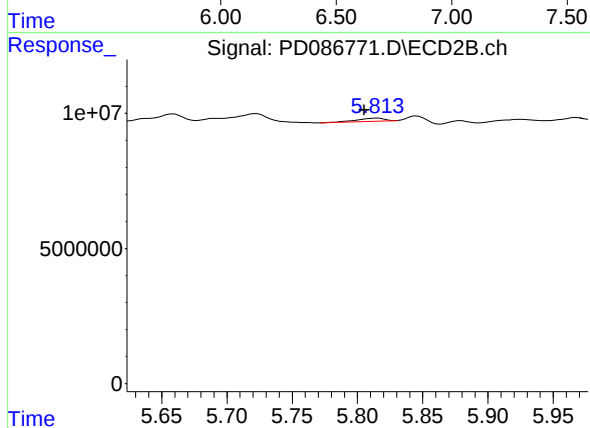
#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: -0.007 min
Response: -829401
Conc: N.D.



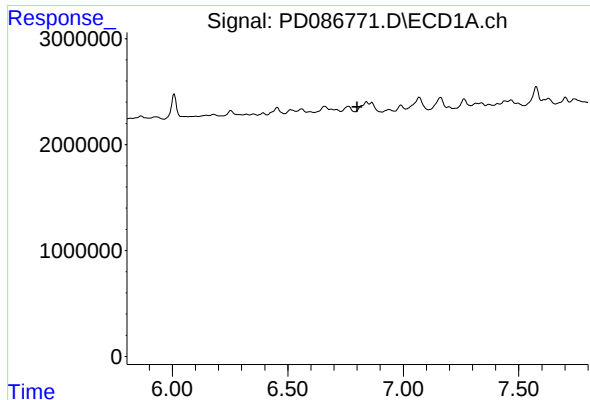
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.590 min
Response: 0
Conc: N.D.



#14 Endrin

R.T.: 5.815 min
Delta R.T.: 0.010 min
Response: 1717519
Conc: 0.14 ng/ml



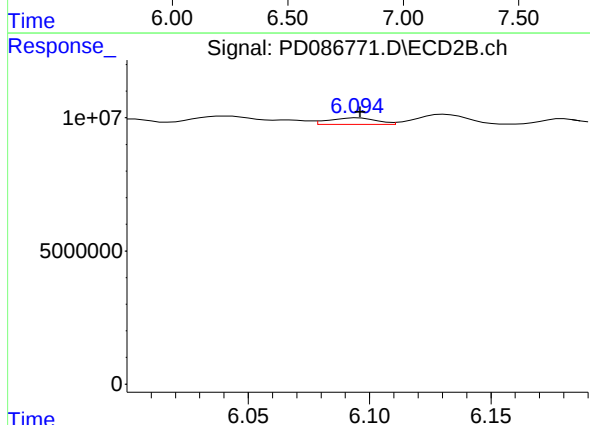
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T.: 6.801 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

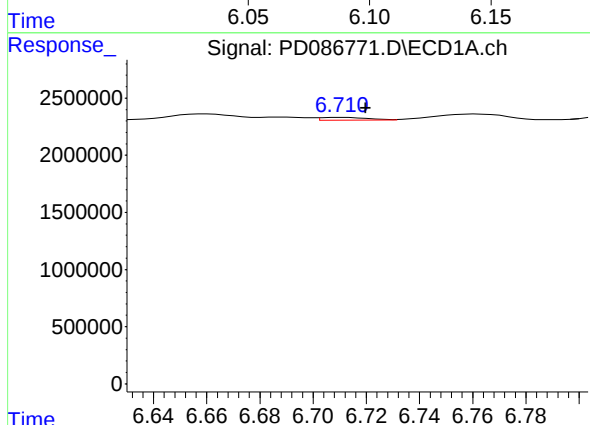
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



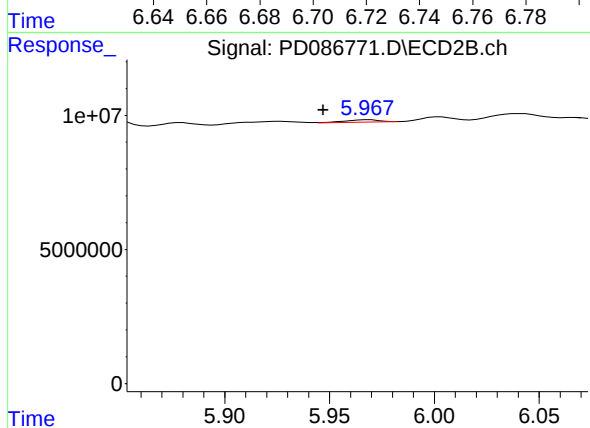
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: -0.001 min
Response: 3290232
Conc: 0.27 ng/ml



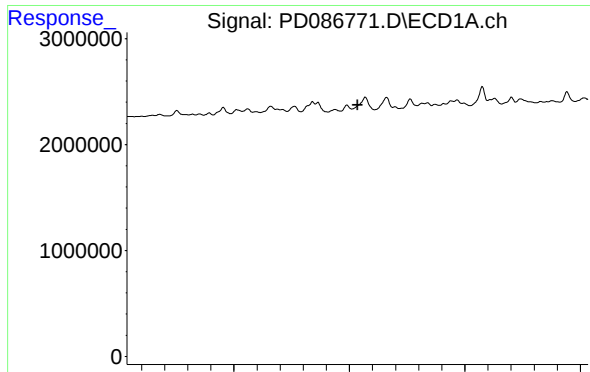
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: -0.009 min
Response: 317472
Conc: 0.18 ng/ml



#16 4,4'-DDD

R.T.: 5.968 min
Delta R.T.: 0.021 min
Response: 1031043
Conc: 0.09 ng/ml



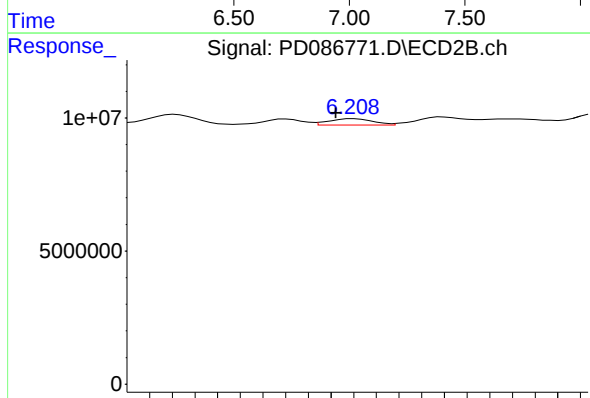
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T.: 7.036 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

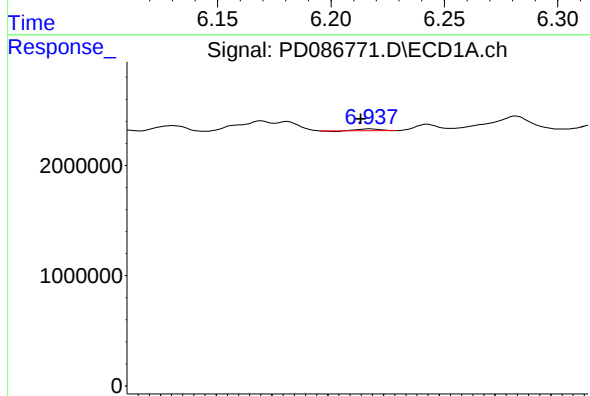
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



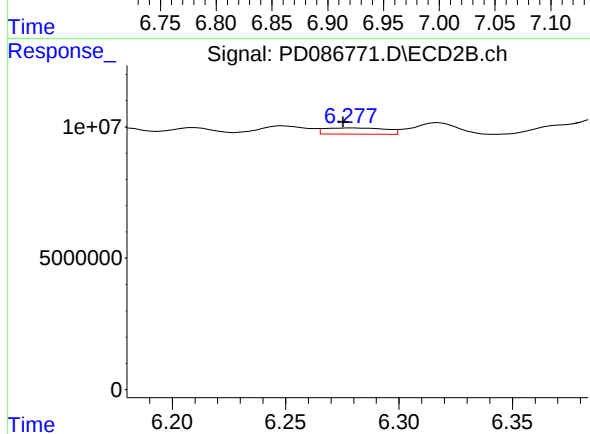
#17 4,4'-DDT

R.T.: 6.210 min
Delta R.T.: 0.008 min
Response: 3180037
Conc: 0.27 ng/ml



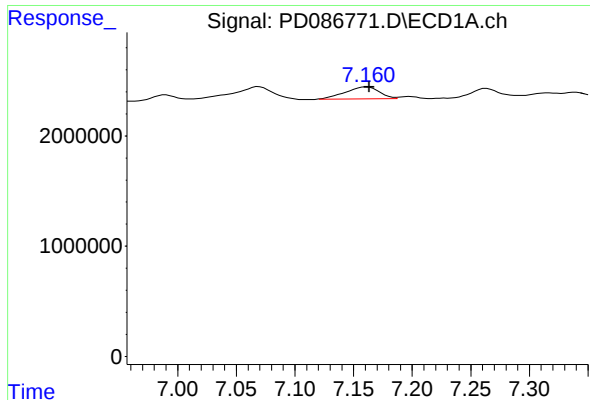
#18 Endrin aldehyde

R.T.: 6.938 min
Delta R.T.: 0.008 min
Response: 191485
Conc: 0.12 ng/ml



#18 Endrin aldehyde

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 4465508
Conc: 0.48 ng/ml



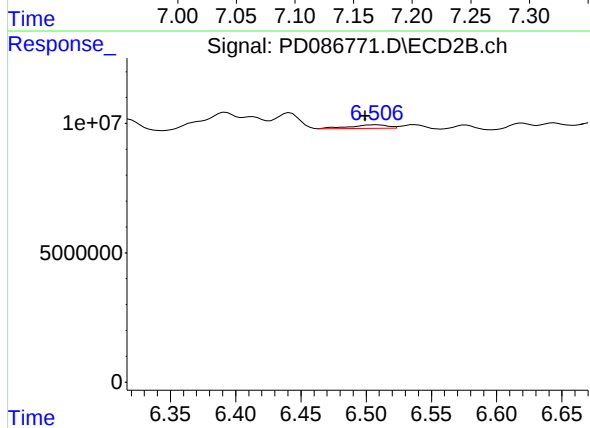
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: -0.002 min
Response: 2178442
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

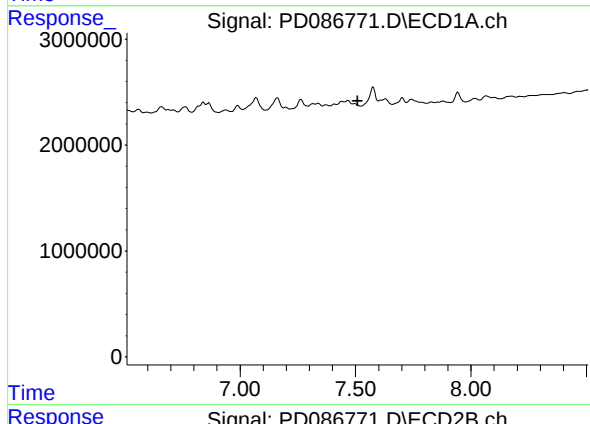
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



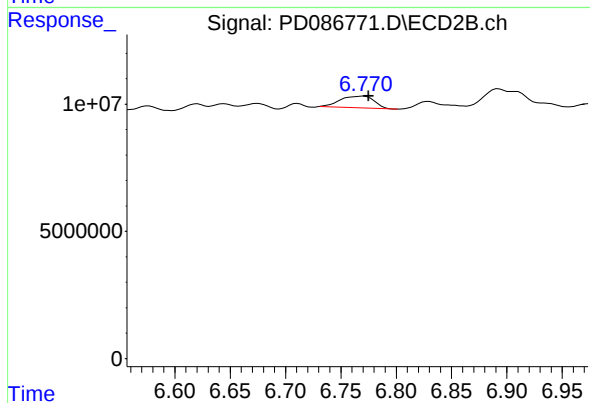
#19 Endosulfan Sulfate

R.T.: 6.507 min
Delta R.T.: 0.008 min
Response: 2659972
Conc: 0.23 ng/ml



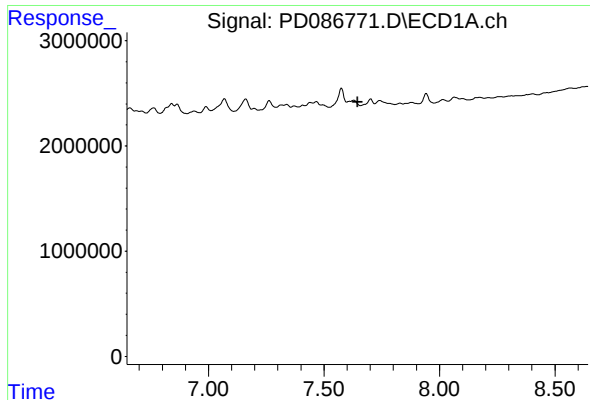
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.508 min
Response: 0
Conc: N.D.



#20 Methoxychlor

R.T.: 6.771 min
Delta R.T.: -0.005 min
Response: 9709059
Conc: 1.54 ng/ml



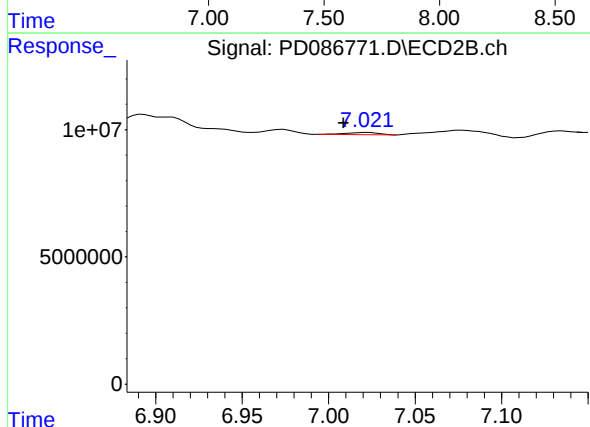
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.016 min
Response: -943534
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

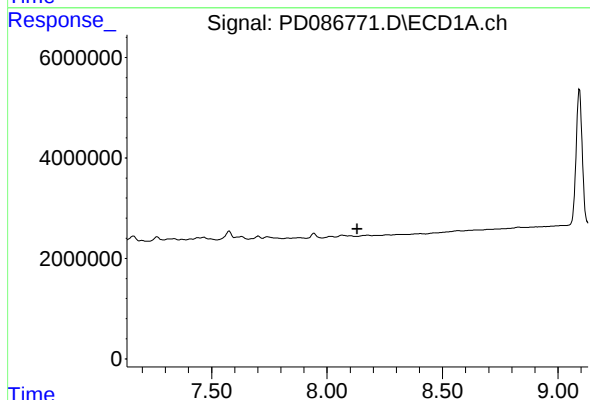
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



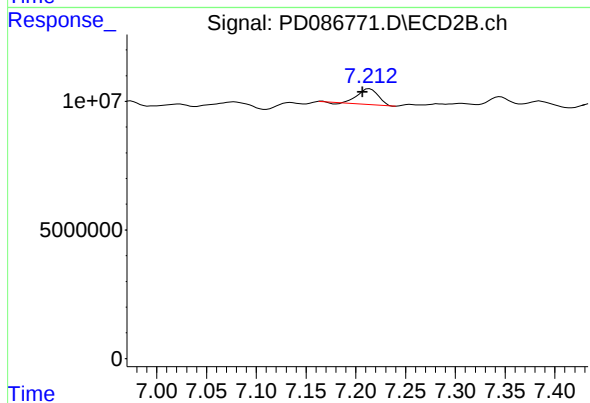
#21 Endrin ketone

R.T.: 7.022 min
Delta R.T.: 0.013 min
Response: 1151624
Conc: 0.09 ng/ml



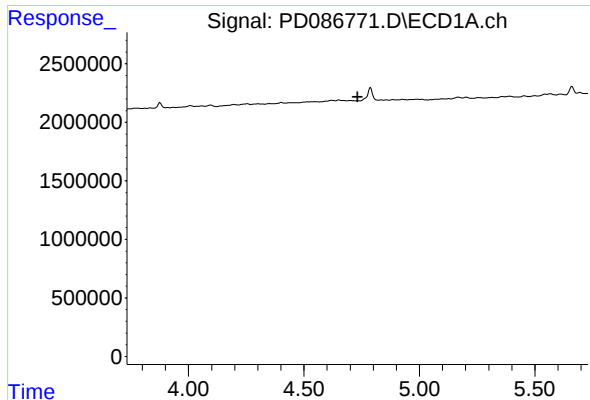
#22 Mirex

R.T.: 0.000 min
Exp R.T.: 8.130 min
Response: 0
Conc: N.D.



#22 Mirex

R.T.: 7.214 min
Delta R.T.: 0.007 min
Response: 8754558
Conc: 0.84 ng/ml



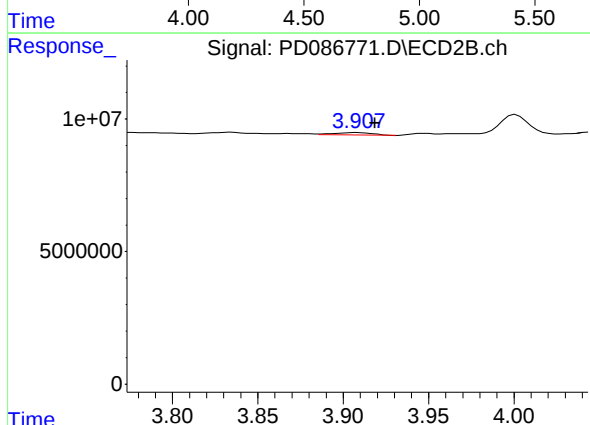
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.731 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

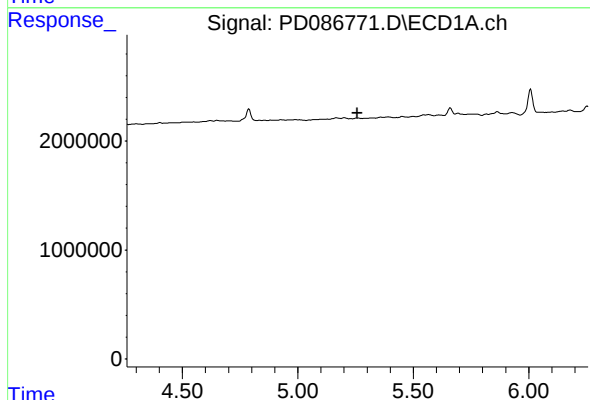
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



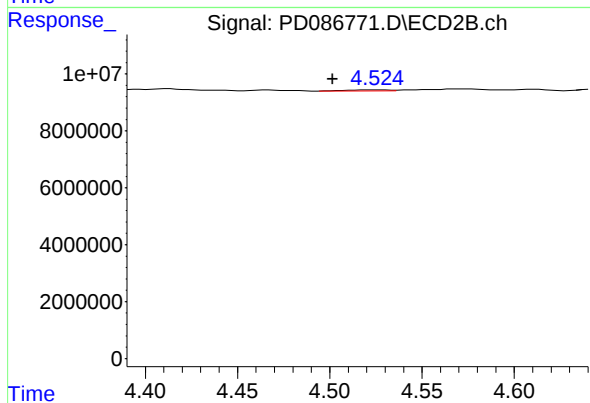
#23 Chlordane-1

R.T.: 3.909 min
Delta R.T.: -0.010 min
Response: 1450961
Conc: 3.12 ng/ml



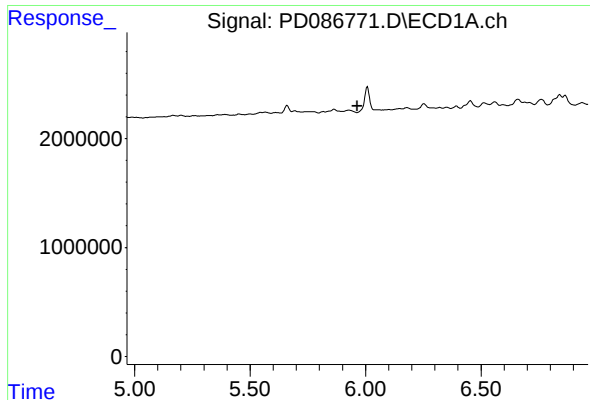
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.257 min
Response: 0
Conc: N.D.



#24 Chlordane-2

R.T.: 4.526 min
Delta R.T.: 0.024 min
Response: 630952
Conc: 1.27 ng/ml



#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.963 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024

#25 Chlordane-3

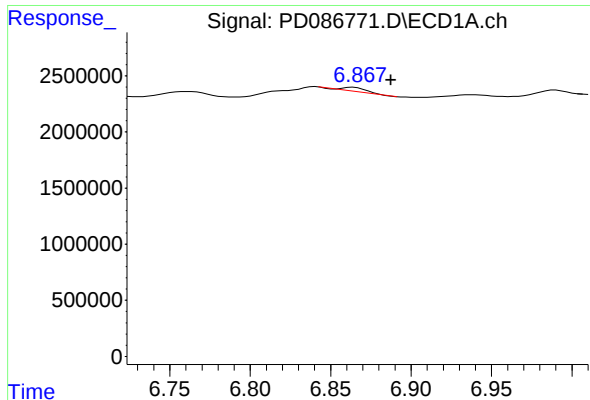
R.T.: 5.160 min
Delta R.T.: 0.017 min
Response: 4731987
Conc: 3.18 ng/ml

#26 Chlordane-4

R.T.: 6.051 min
Delta R.T.: 0.002 min
Response: 310242
Conc: 0.68 ng/ml

#26 Chlordane-4

R.T.: 5.224 min
Delta R.T.: 0.017 min
Response: 964212
Conc: 0.77 ng/ml



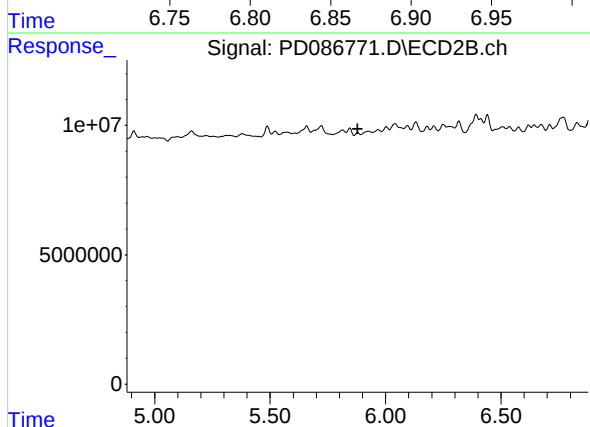
#27 Chlordane-5

R.T.: 6.864 min
Delta R.T.: -0.023 min
Response: 191921
Conc: 2.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2024

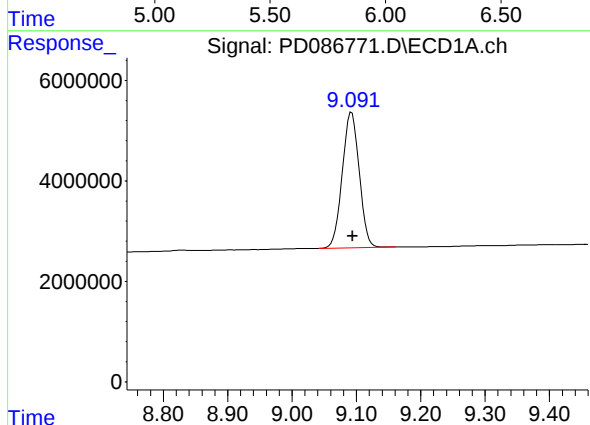
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :Ankita Jodhani 11/18/2024



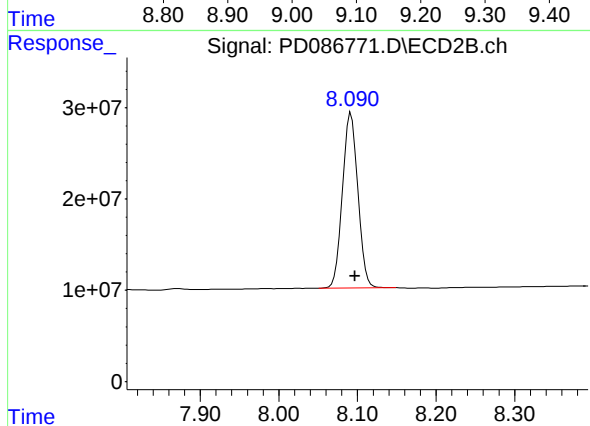
#27 Chlordane-5

R.T.: 5.879 min
Delta R.T.: 0.001 min
Response: -721487
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.093 min
Delta R.T.: -0.001 min
Response: 49521368
Conc: 25.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.092 min
Delta R.T.: -0.005 min
Response: 261681854
Conc: 24.43 ng/ml