

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100125\
 Data File : PD090478.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Oct 2025 09:38
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

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 01:39:15 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	2.875	153.9E6	1259.1E6	47.345	45.869
28)	SA Decachlor...	9.065	8.061	237.5E6	1520.5E6	49.228	46.909
Target Compounds							
2)	A alpha-BHC	3.995	3.387	374.4E6	2168.6E6	53.602	49.531
3)	MA gamma-BHC...	4.325	3.723	349.9E6	2011.3E6	52.880	49.375
4)	MA Heptachlor	4.923	4.075	359.9E6	2021.4E6	54.428	49.646
5)	MB Aldrin	5.265	4.360	341.1E6	1977.7E6	53.719	49.524
6)	B beta-BHC	4.512	4.019	129.7E6	821.9E6	50.255	47.411
7)	B delta-BHC	4.759	4.255	350.2E6	2029.0E6	54.225m	49.135
8)	B Heptachlo...	5.684	4.864	314.2E6	1901.5E6	54.977	51.580
9)	A Endosulfan I	6.067	5.238	288.0E6	1552.1E6	53.314m	44.853
10)	B gamma-Chl...	5.940	5.117	301.5E6	1922.8E6	52.788	48.943
11)	B alpha-Chl...	6.019	5.181	324.9E6	1836.8E6	56.391m	48.766
12)	B 4,4'-DDE	6.190	5.366	276.6E6	1909.3E6	53.124	49.879
13)	MA Dieldrin	6.341	5.503	314.3E6	1920.2E6	54.522	49.305
14)	MA Endrin	6.568	5.780	276.3E6	1819.5E6	56.460	50.778
15)	B Endosulfa...	6.779	6.072	266.6E6	1665.8E6	54.651m	49.355
16)	A 4,4'-DDD	6.700	5.920	237.8E6	1575.0E6	58.024	48.568
17)	MA 4,4'-DDT	7.015	6.174	255.4E6	1700.4E6	57.370	49.461
18)	B Endrin al...	6.908	6.250	193.5E6	1240.2E6	56.414m	52.671
19)	B Endosulfa...	7.144	6.473	250.0E6	1624.9E6	54.343	49.707
20)	A Methoxychlor	7.488	6.744	136.0E6	863.5E6	57.721	49.628
21)	B Endrin ke...	7.625	6.981	270.4E6	1879.7E6	54.652	52.065m
22)	Mirex	8.106	7.175	175.2E6	1195.6E6	47.298m	43.309

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100125\
Data File : PD090478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Oct 2025 09:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

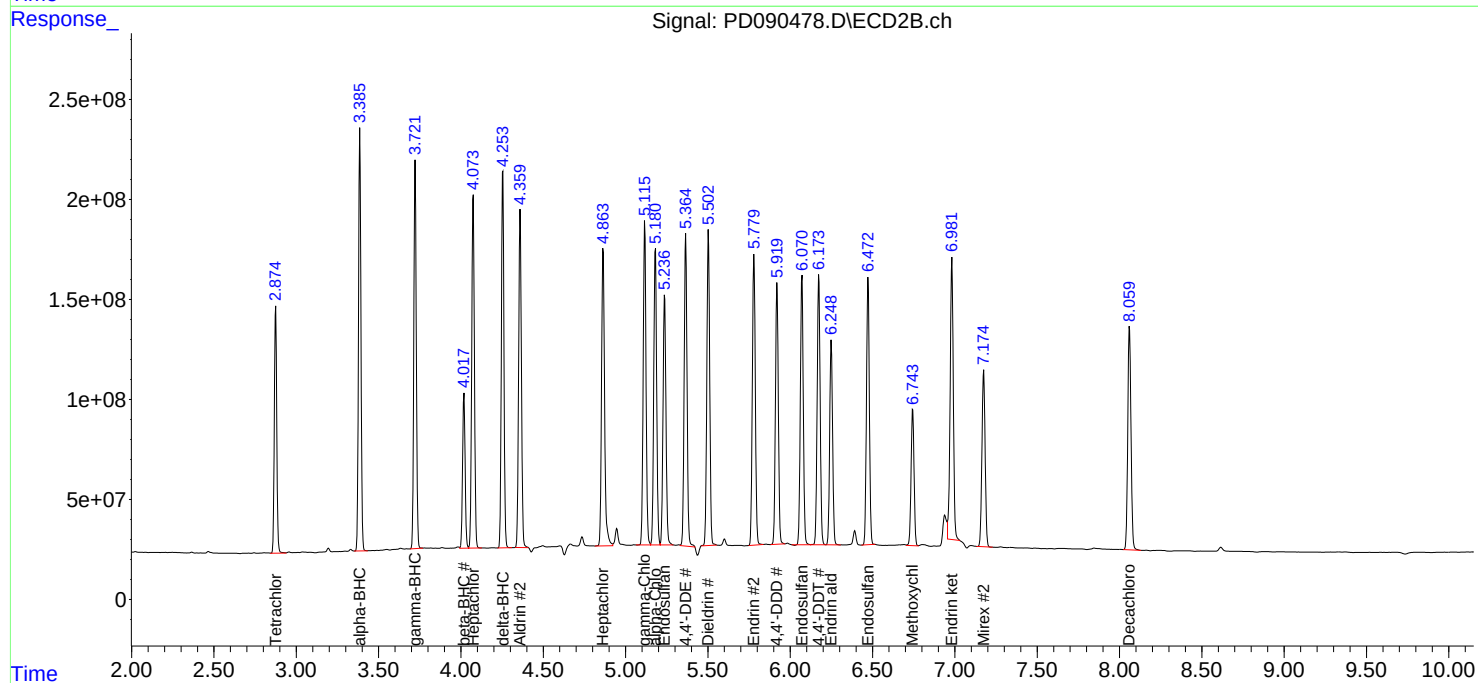
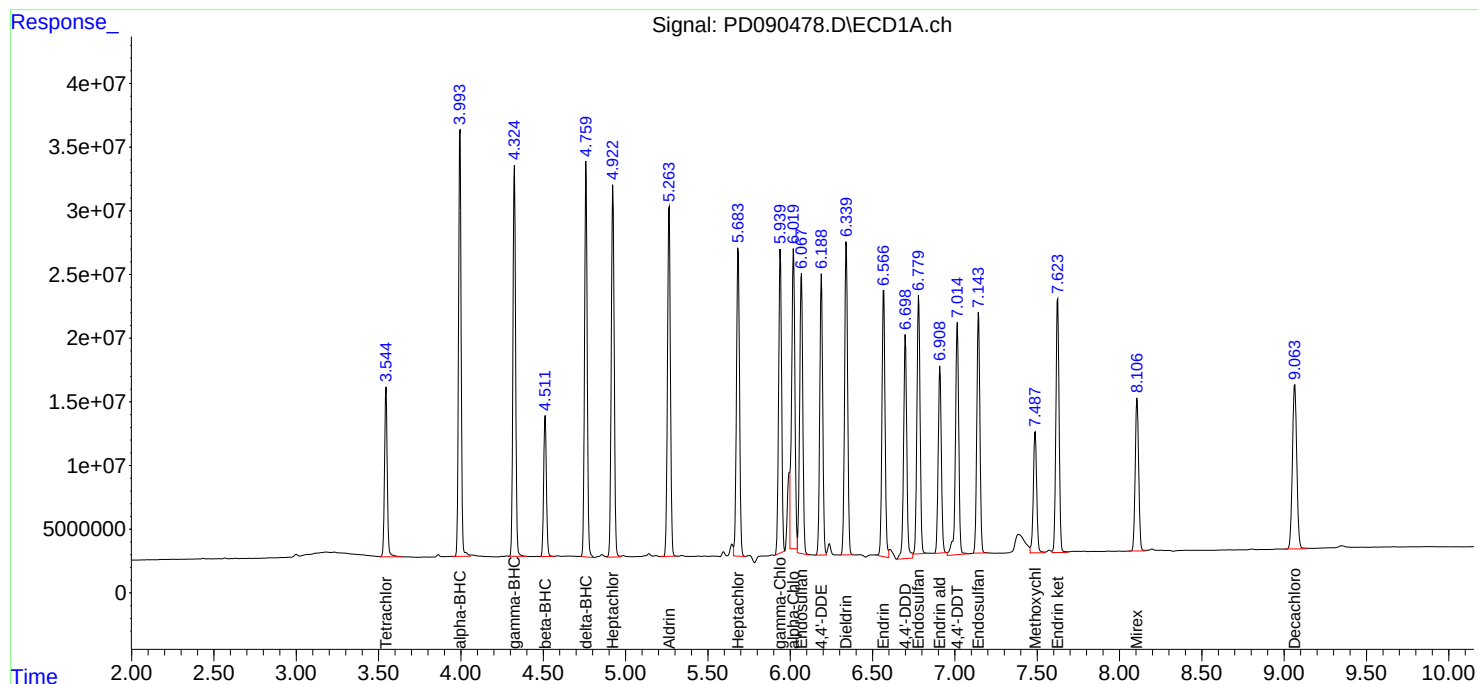
APPROVED

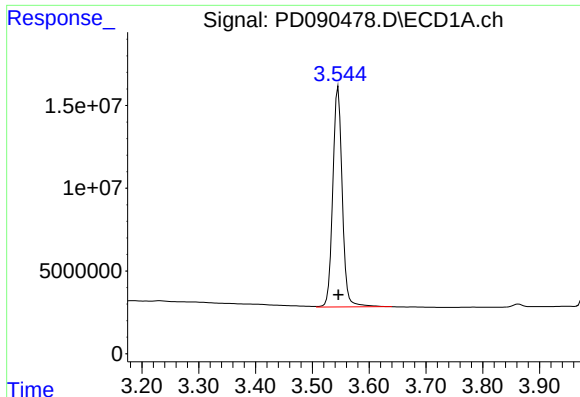
Reviewed By :Abdul Mirza 10/03/2025

Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 01:39:15 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





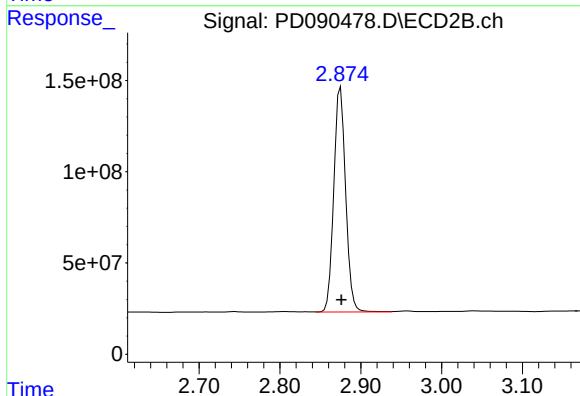
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 153892800
Conc: 47.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

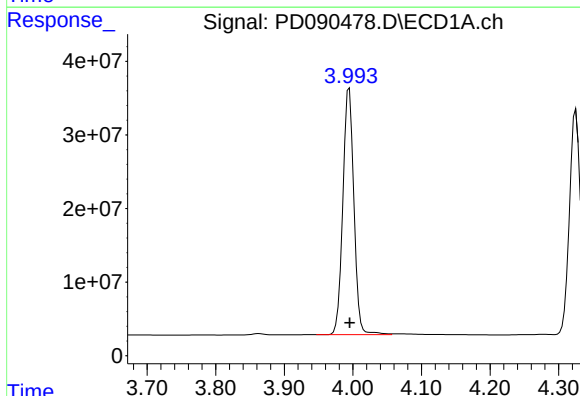
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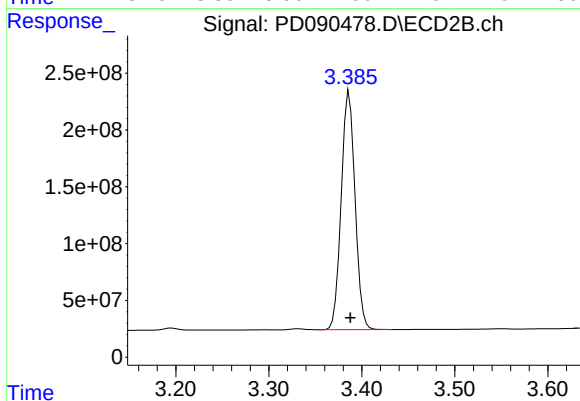
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1259088548
Conc: 45.87 ng/ml



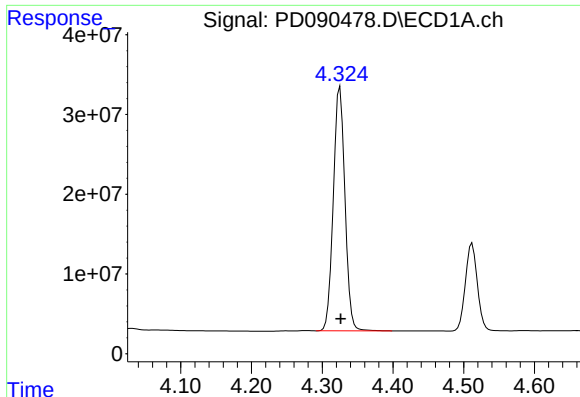
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 374388021
Conc: 53.60 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2168625985
Conc: 49.53 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 349902571
Conc: 52.88 ng/ml

Instrument :

ECD_D

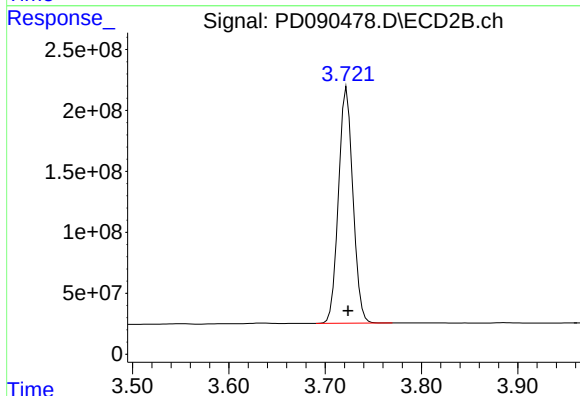
ClientSampleId :

PSTDCCC050

Manual Integrations

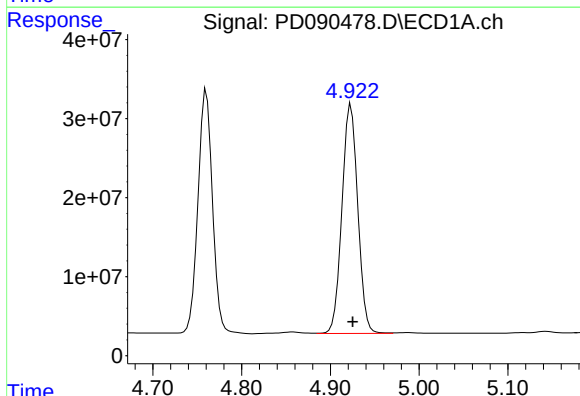
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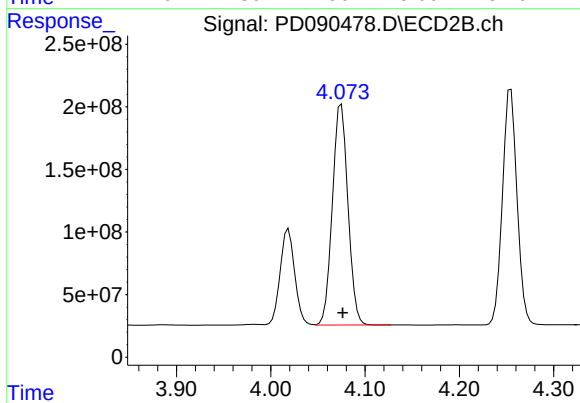
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 2011311664
Conc: 49.37 ng/ml



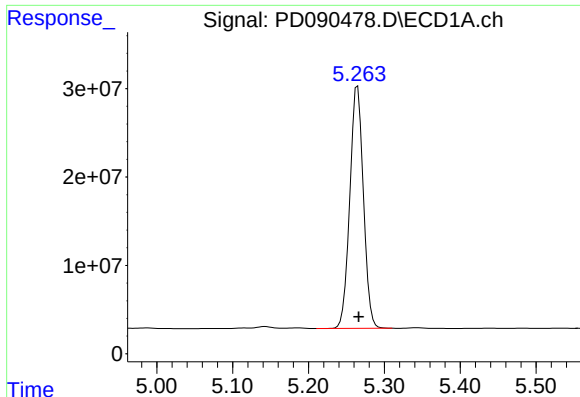
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 359908525
Conc: 54.43 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 2021409646
Conc: 49.65 ng/ml



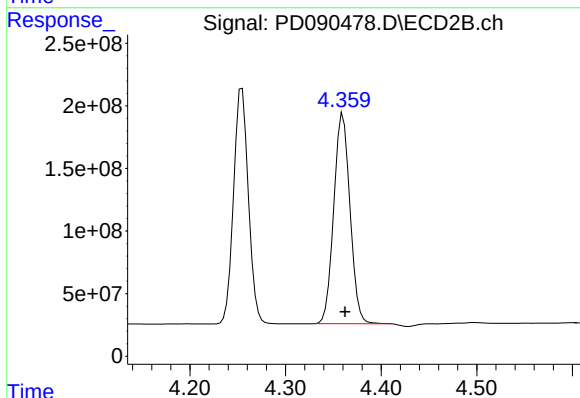
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 341112010
Conc: 53.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

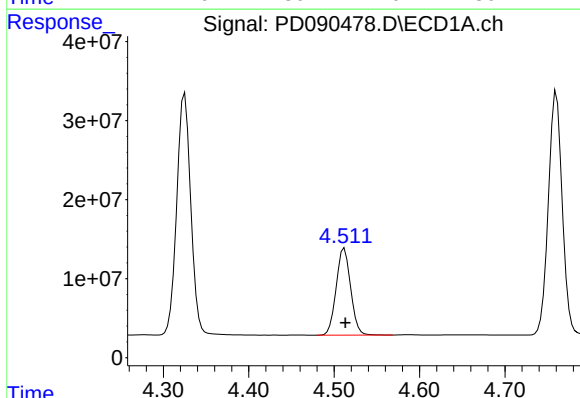
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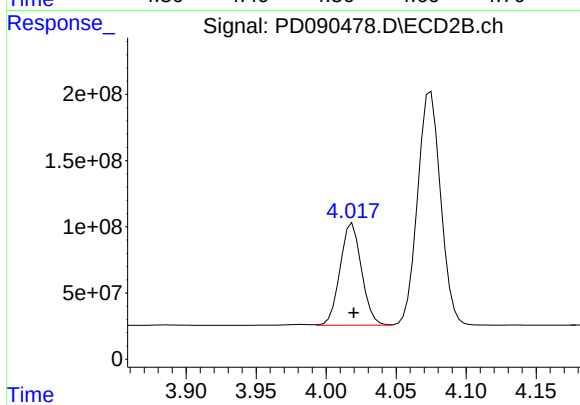
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1977748136
Conc: 49.52 ng/ml



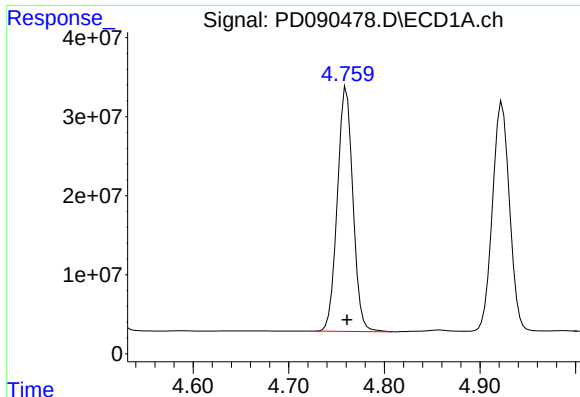
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 129654226
Conc: 50.26 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 821892180
Conc: 47.41 ng/ml



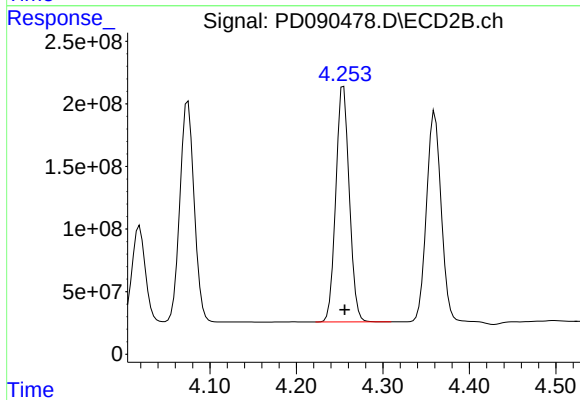
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 350156961
Conc: 54.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

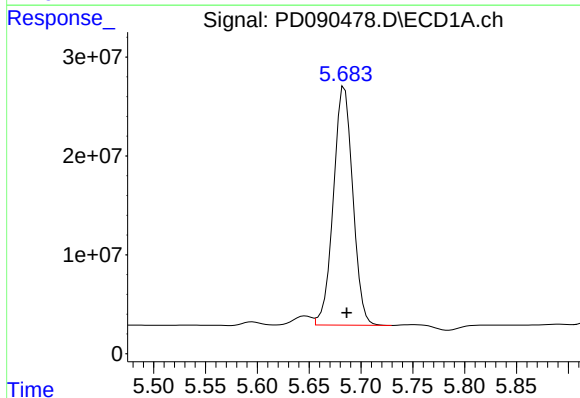
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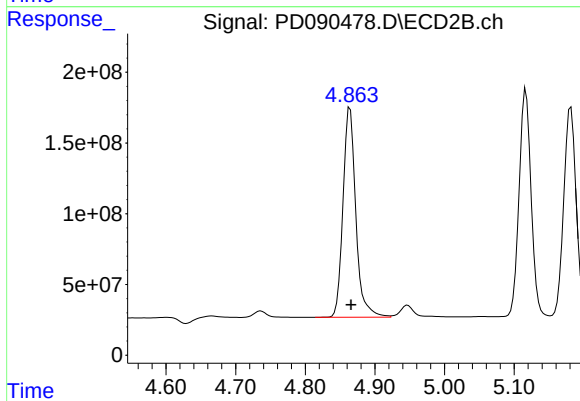
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2029008469
Conc: 49.13 ng/ml



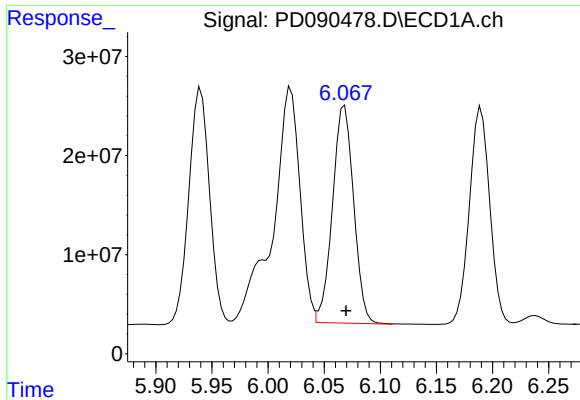
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 314187372
Conc: 54.98 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1901516251
Conc: 51.58 ng/ml



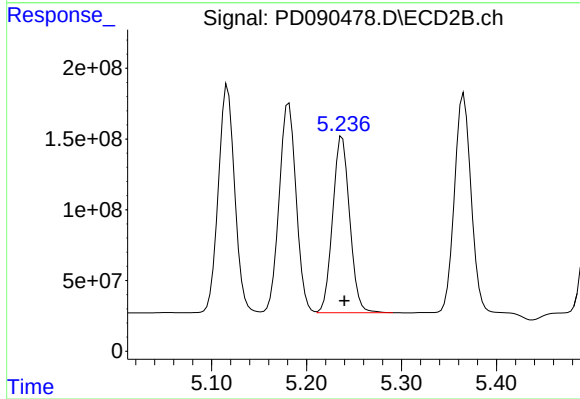
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 287971137
Conc: 53.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

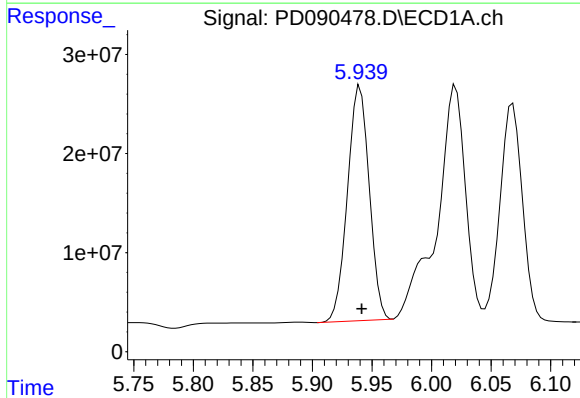
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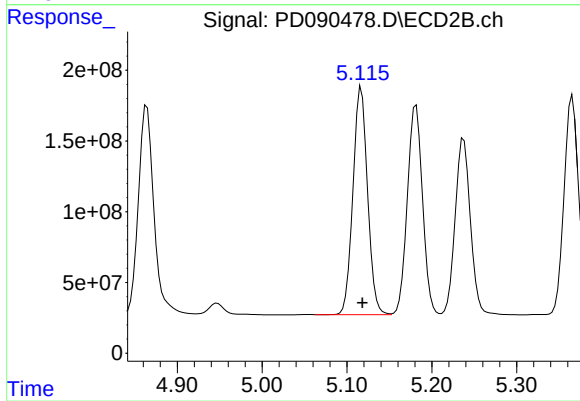
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1552133096
Conc: 44.85 ng/ml



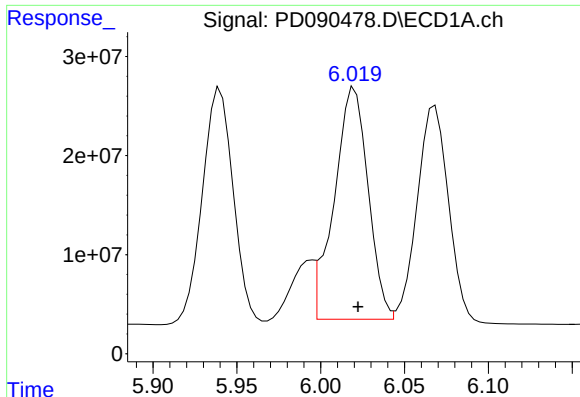
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 301523104
Conc: 52.79 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 1922805221
Conc: 48.94 ng/ml



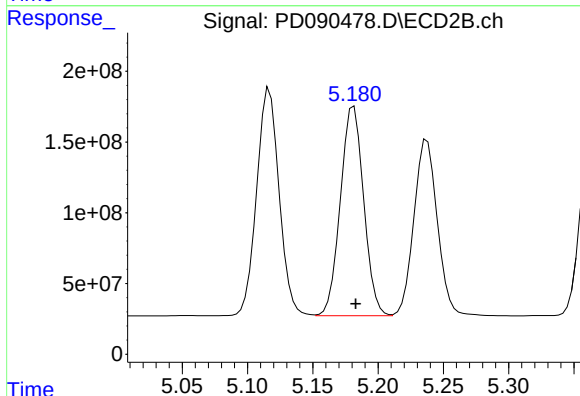
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 324860851
Conc: 56.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

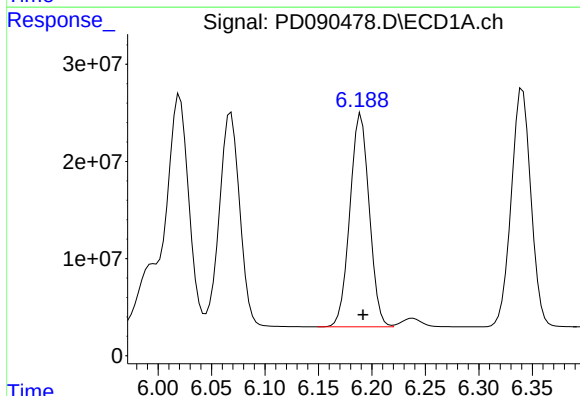
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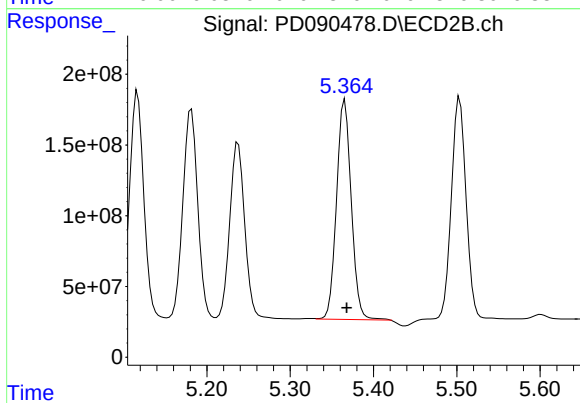
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 1836788282
Conc: 48.77 ng/ml



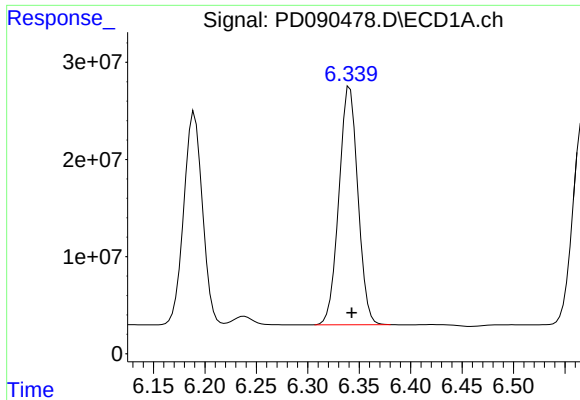
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 276642974
Conc: 53.12 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1909333959
Conc: 49.88 ng/ml



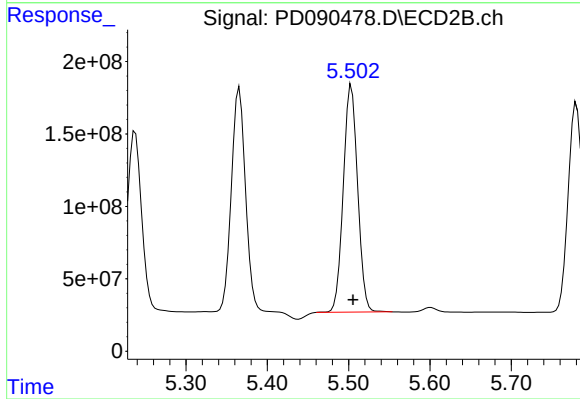
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 314300293
Conc: 54.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

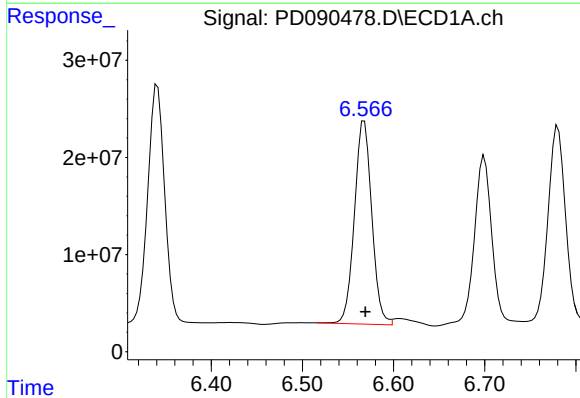
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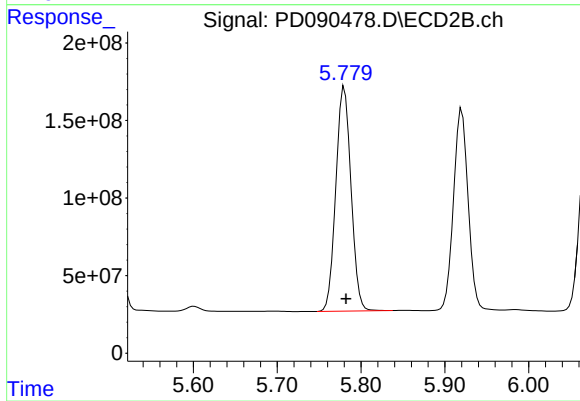
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.002 min
Response: 1920230679
Conc: 49.31 ng/ml



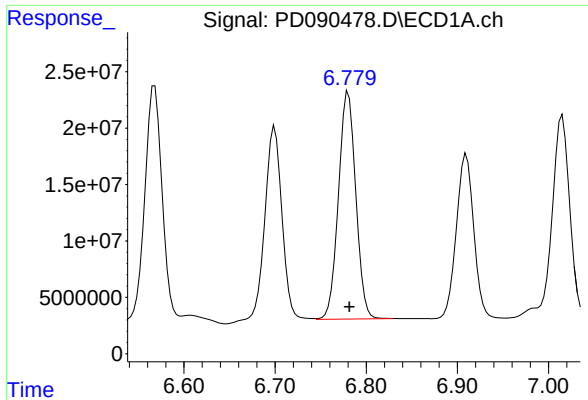
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 276310137
Conc: 56.46 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1819480256
Conc: 50.78 ng/ml



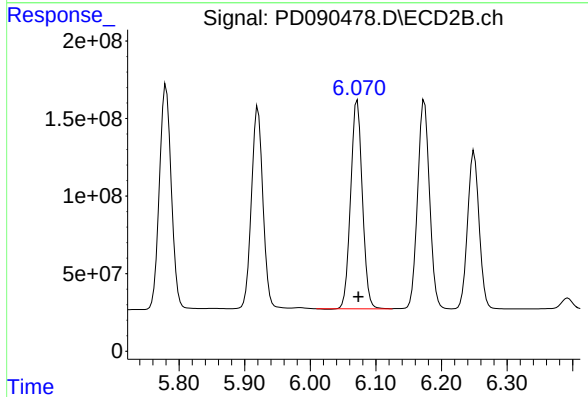
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.003 min
Response: 266577706
Conc: 54.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

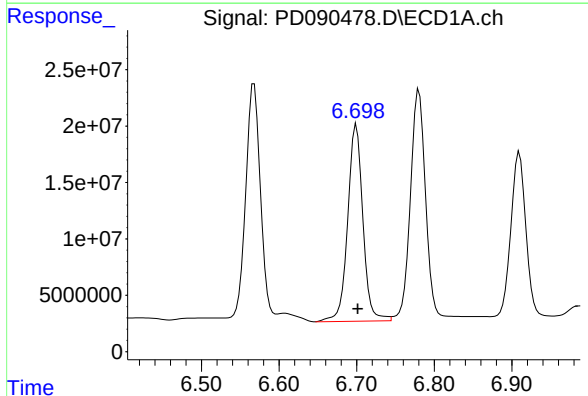
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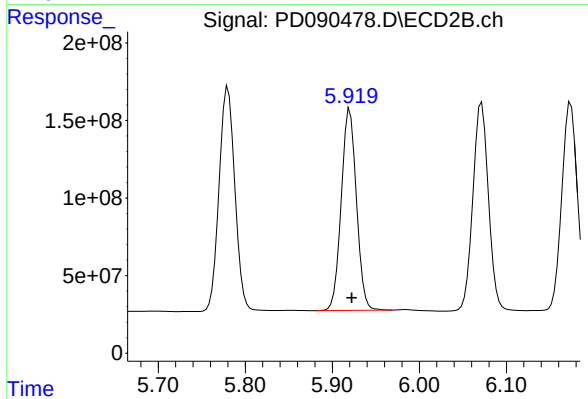
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1665775650
Conc: 49.36 ng/ml



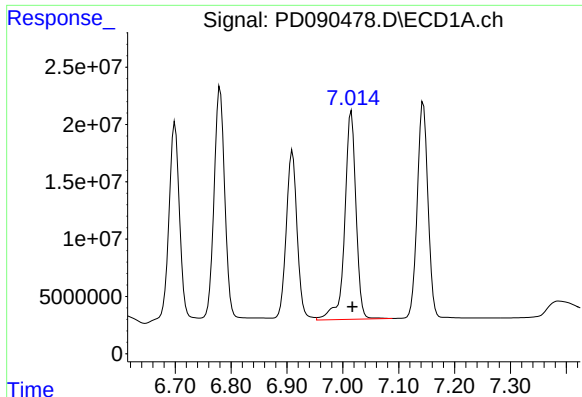
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 237769724
Conc: 58.02 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1574961715
Conc: 48.57 ng/ml



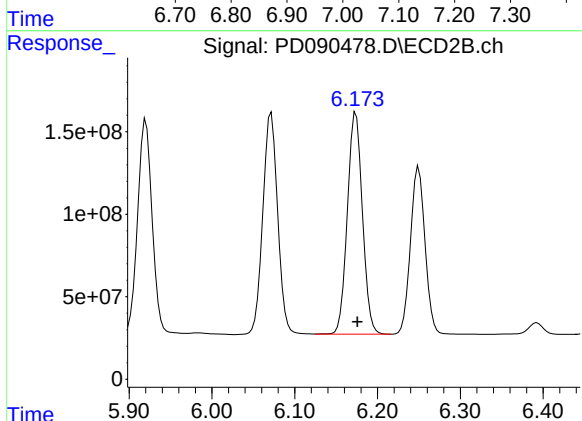
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 255438608
Conc: 57.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

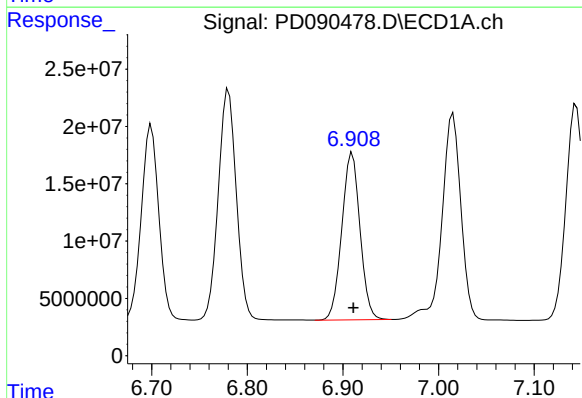
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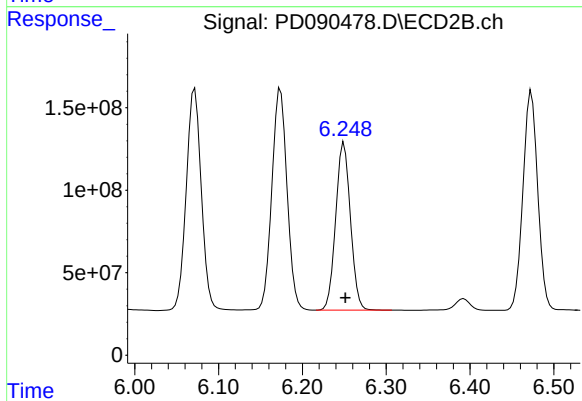
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1700411560
Conc: 49.46 ng/ml



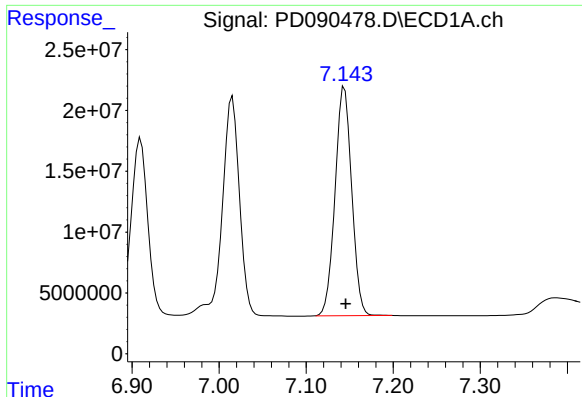
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 193533025
Conc: 56.41 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1240227969
Conc: 52.67 ng/ml



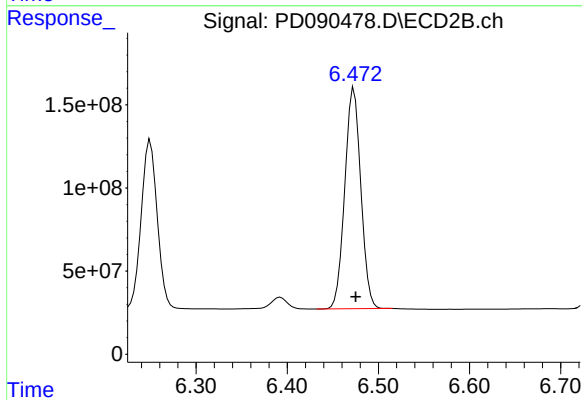
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 249999314
Conc: 54.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

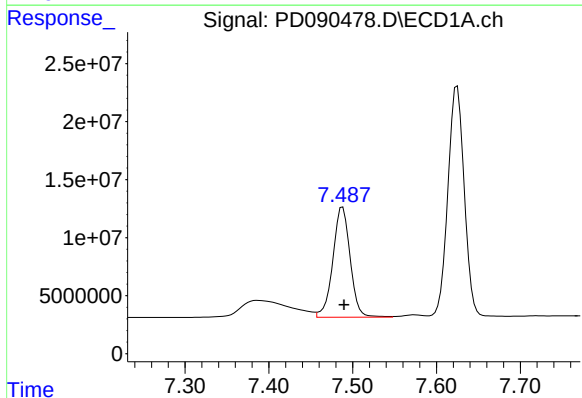
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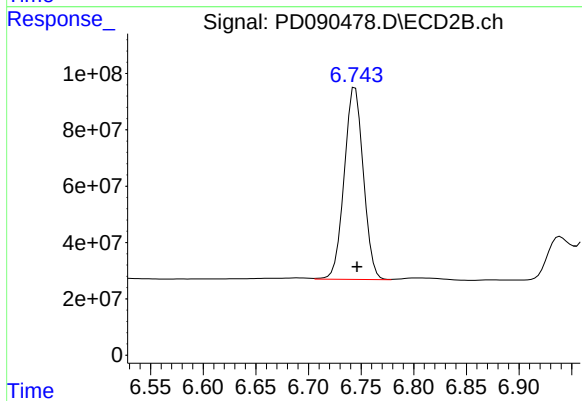
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1624939092
Conc: 49.71 ng/ml



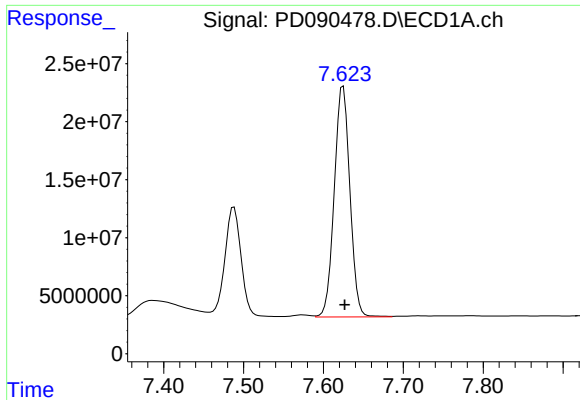
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 136019200
Conc: 57.72 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 863542564
Conc: 49.63 ng/ml



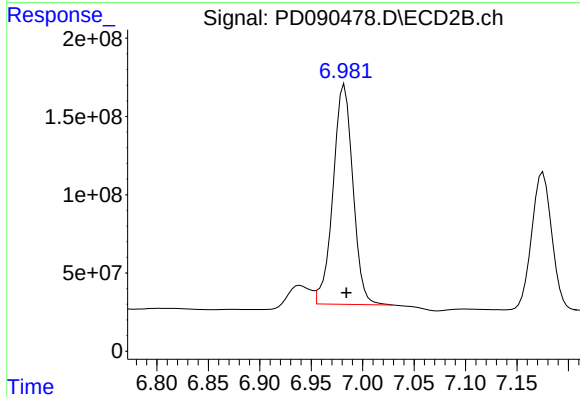
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 270382240
Conc: 54.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

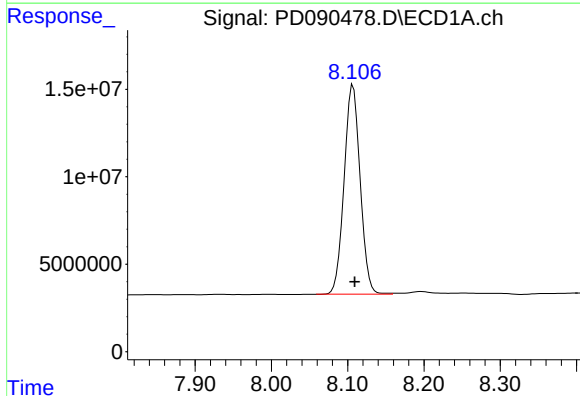
Manual Integrations
APPROVED

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



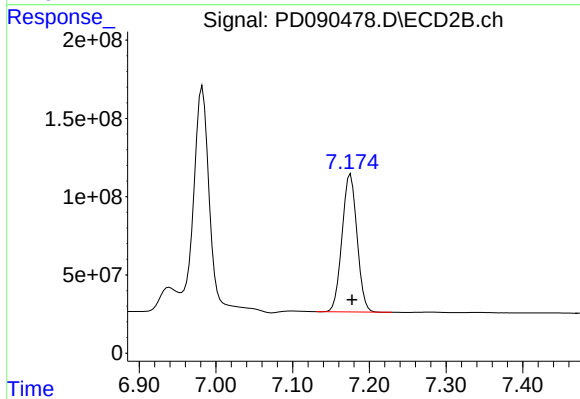
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 1879704463
Conc: 52.07 ng/ml m



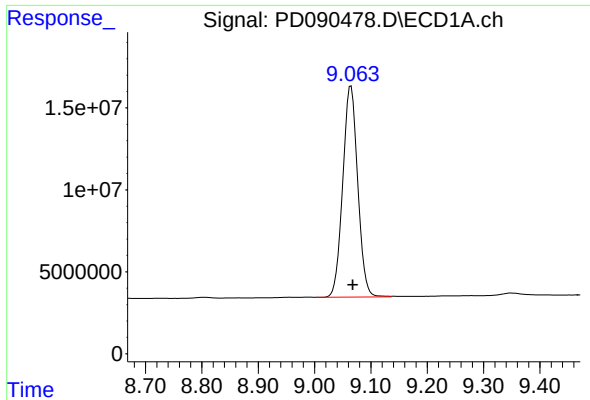
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.004 min
Response: 175230645
Conc: 47.30 ng/ml m



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1195594850
Conc: 43.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 237526830
Conc: 49.23 ng/ml

Instrument :

ECD_D

ClientSampleId :

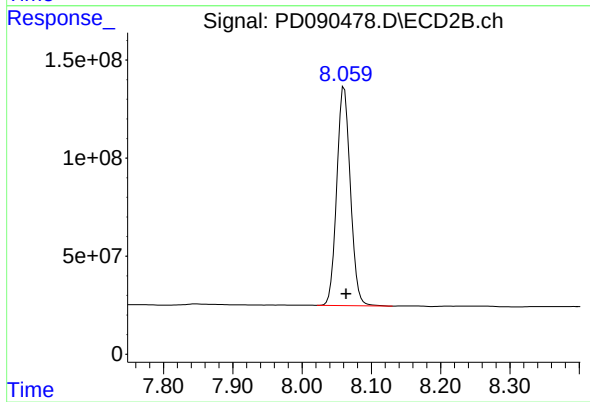
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 1520527085
Conc: 46.91 ng/ml