

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090731.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 16:13
 Operator : AR\AJ
 Sample : Q3402-07MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 41-LBMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/24/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:10:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.874	40711442	417.0E6	13.073m	14.005
2)	SA Decachlor...	9.067	8.061	38392384	250.8E6	8.207	8.281
Target Compounds							
2)	A alpha-BHC	3.994	3.386	349.9E6	2429.0E6	48.746	47.539
3)	MA gamma-BHC...	4.325	3.723	321.7E6	2246.9E6	47.315	47.554
4)	MA Heptachlor	4.923	4.075	310.0E6	2143.9E6	55.452	48.066
5)	MB Aldrin	5.264	4.360	311.9E6	2208.4E6	47.638	47.678
6)	B beta-BHC	4.512	4.019	120.5E6	931.2E6	45.982	46.962
7)	B delta-BHC	4.760	4.255	329.4E6	2269.7E6	48.722	47.567
8)	B Heptachlo...	5.684	4.864	277.1E6	2020.5E6	47.864	47.386
9)	A Endosulfan I	6.068	5.238	261.9E6	1858.1E6	47.307	47.171
10)	B gamma-Chl...	5.940	5.117	279.3E6	2168.0E6	47.091	48.232
11)	B alpha-Chl...	6.021	5.181	281.2E6	2074.9E6	45.497	48.099
12)	B 4,4'-DDE	6.190	5.365	248.2E6	2088.6E6	46.588	47.642
13)	MA Dieldrin	6.341	5.503	280.7E6	2130.0E6	48.145	48.208
14)	MA Endrin	6.569	5.780	238.7E6	1951.7E6	48.195	48.197
15)	B Endosulfa...	6.782	6.072	235.5E6	1821.4E6	47.094	48.499
16)	A 4,4'-DDD	6.701	5.920	197.1E6	1660.9E6	48.604	45.582
17)	MA 4,4'-DDT	7.016	6.174	202.5E6	1766.7E6	49.266	50.371
18)	B Endrin al...	6.910	6.250	173.4E6	1343.6E6	47.349	48.518
19)	B Endosulfa...	7.145	6.473	215.0E6	1739.7E6	46.352	48.533
20)	A Methoxychlor	7.488	6.745	102.7E6	857.0E6	48.324	49.172
21)	B Endrin ke...	7.626	6.982	232.1E6	1848.7E6	47.771	49.014
22)	Mirex	8.108	7.175	144.8E6	1224.3E6	45.250	47.655

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
Data File : PD090731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:13
Operator : AR\AJ
Sample : Q3402-07MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

41-LBMSD

Manual Integrations

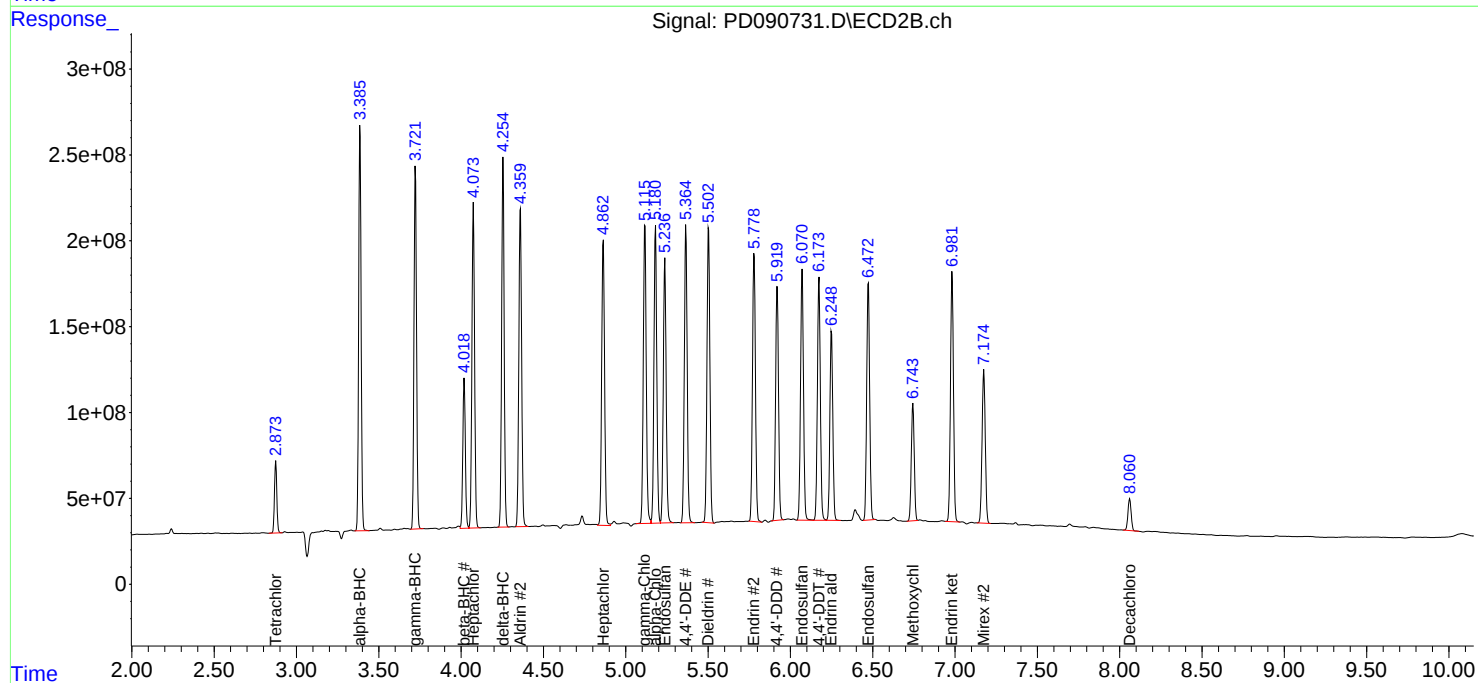
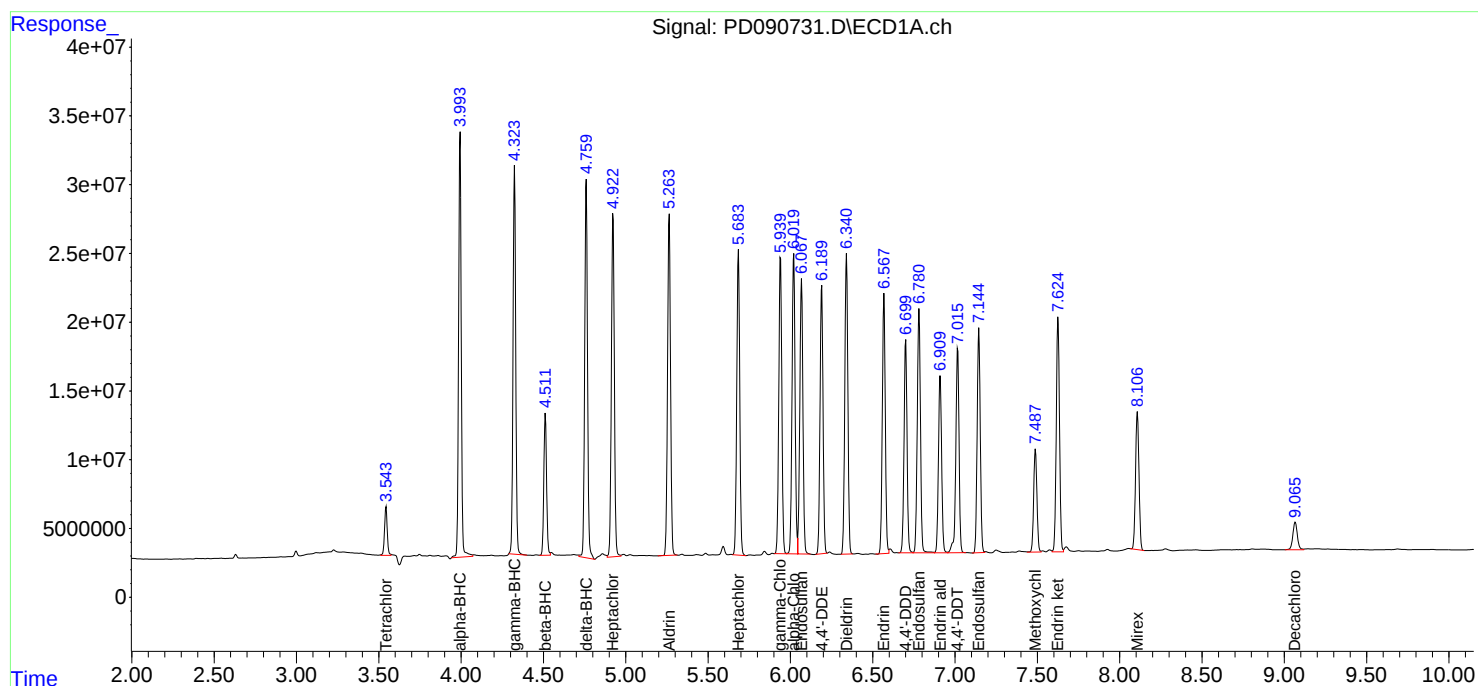
APPROVED

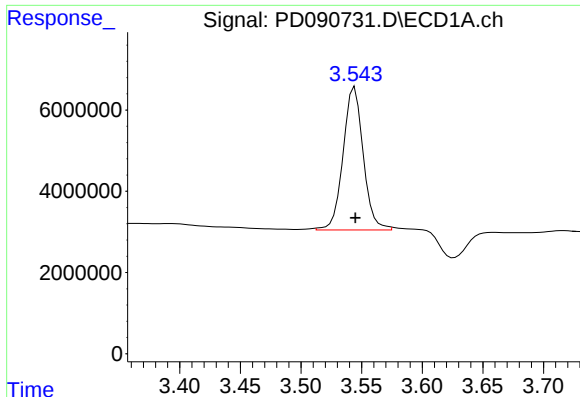
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:10:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





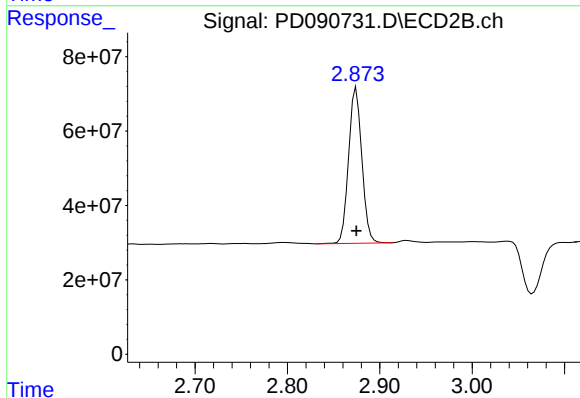
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 40711442
Conc: 13.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

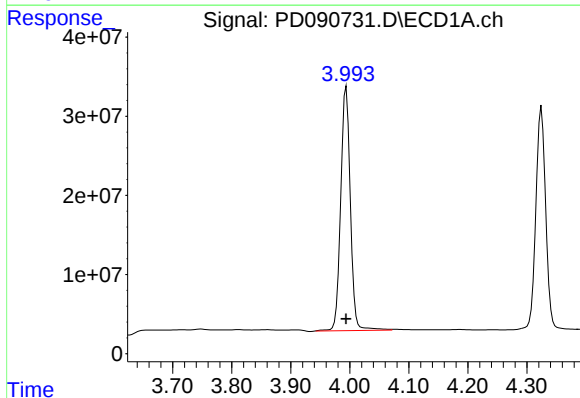
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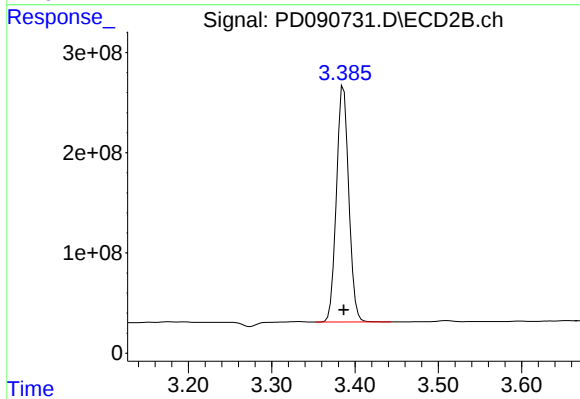
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 417031860
Conc: 14.01 ng/ml



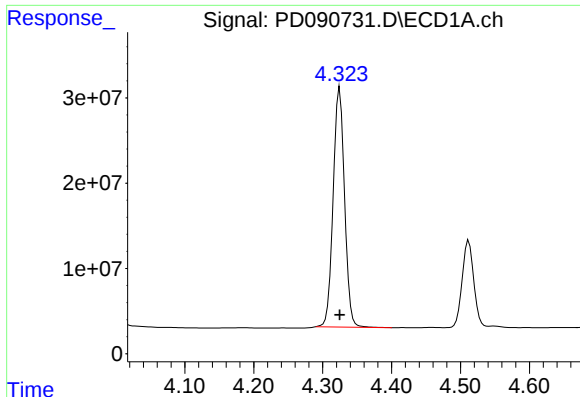
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 349856075
Conc: 48.75 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2429031590
Conc: 47.54 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 321687727
Conc: 47.32 ng/ml

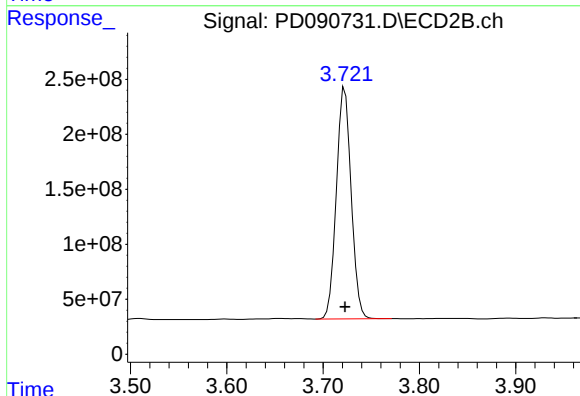
Instrument :

ECD_D

ClientSampleId :
41-LBMSD

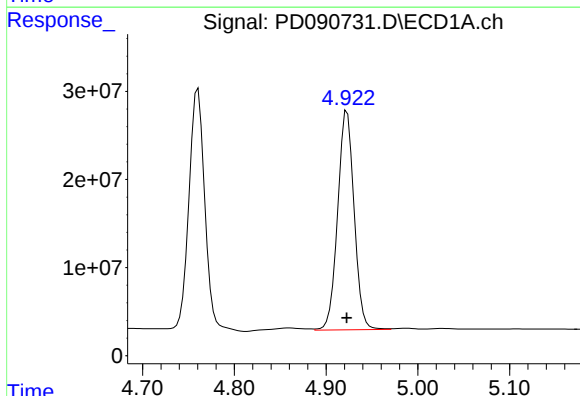
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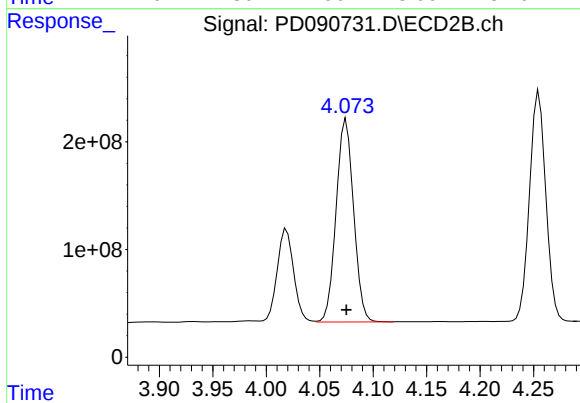
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2246883565
Conc: 47.55 ng/ml



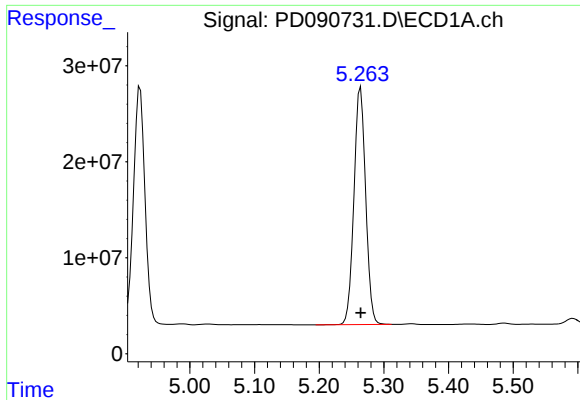
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 309952980
Conc: 55.45 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2143870068
Conc: 48.07 ng/ml



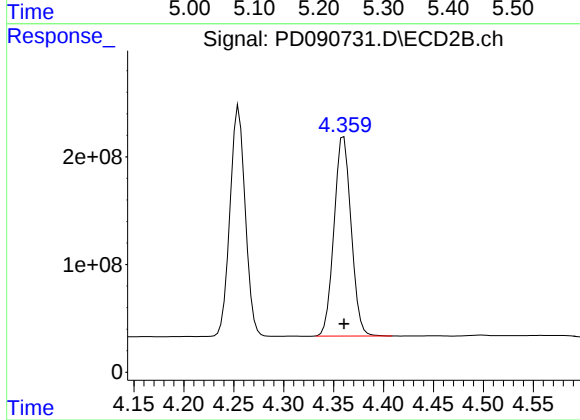
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 311898869
Conc: 47.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

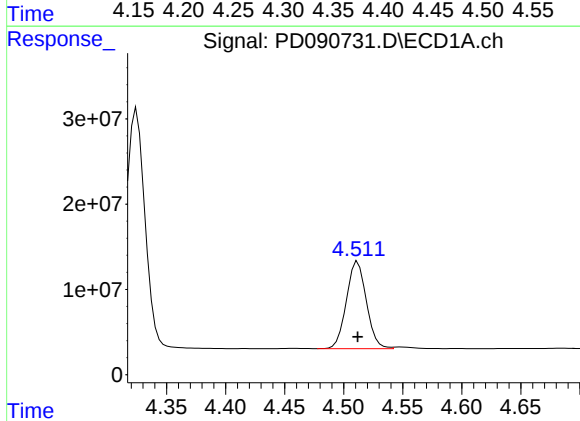
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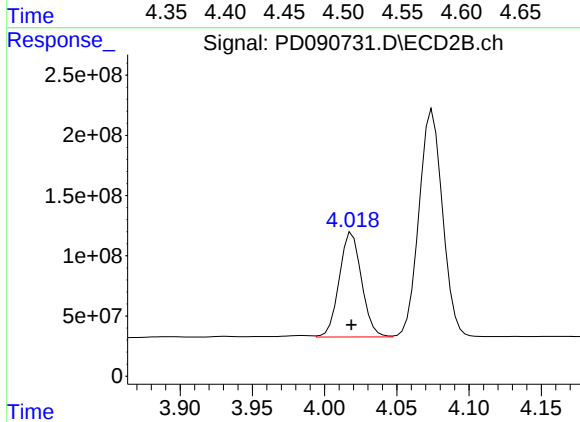
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2208378395
Conc: 47.68 ng/ml



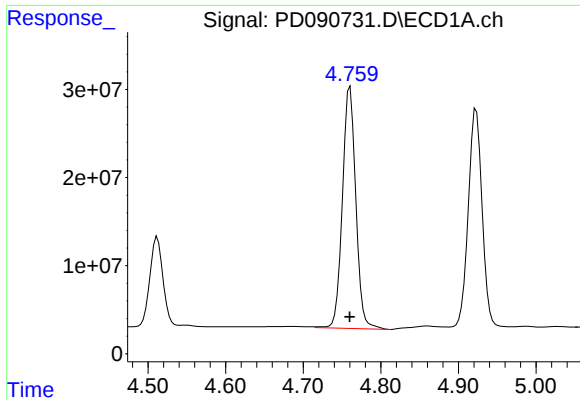
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 120456408
Conc: 45.98 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 931230659
Conc: 46.96 ng/ml



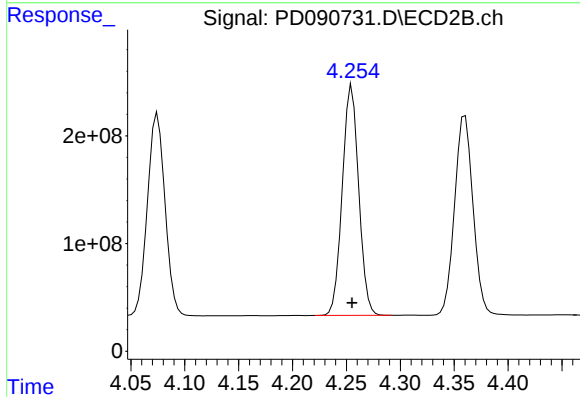
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 329441671
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

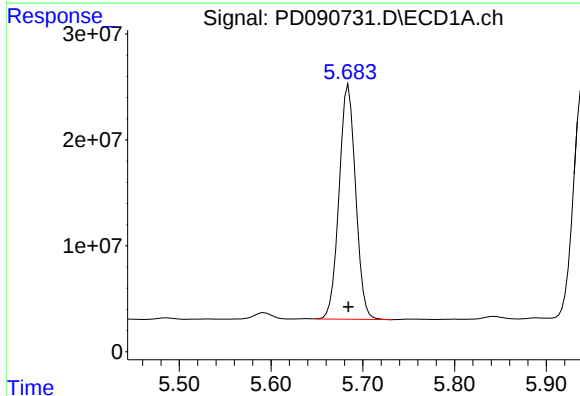
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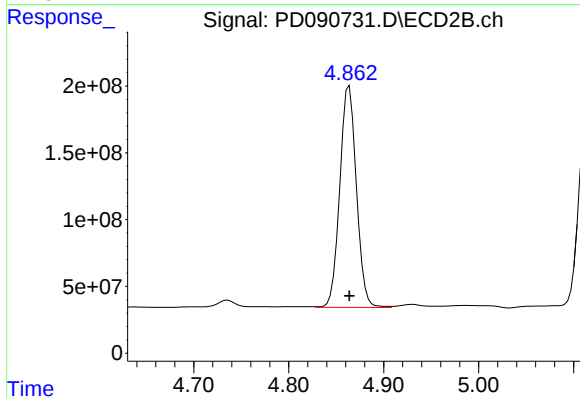
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2269721227
Conc: 47.57 ng/ml



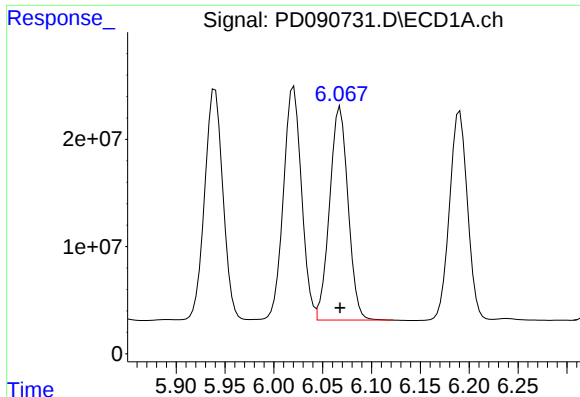
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 277090214
Conc: 47.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2020511061
Conc: 47.39 ng/ml



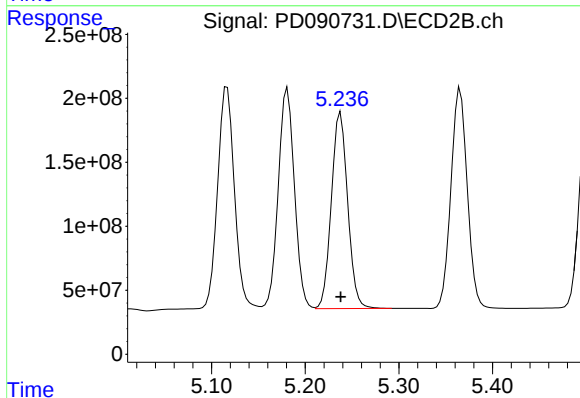
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 261922989
Conc: 47.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

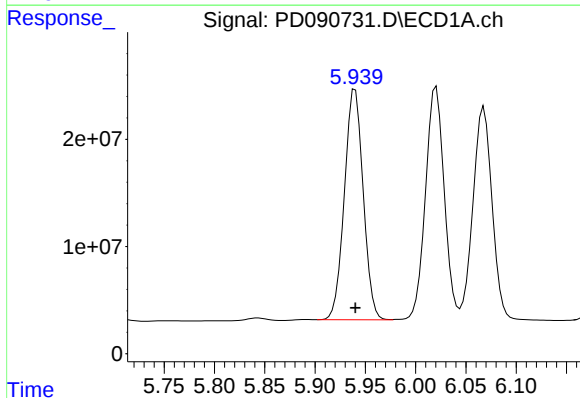
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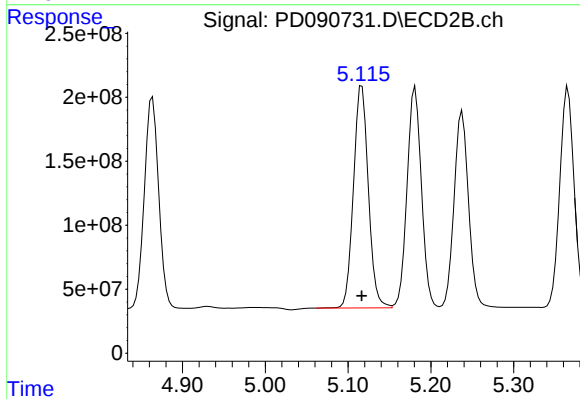
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1858100703
Conc: 47.17 ng/ml



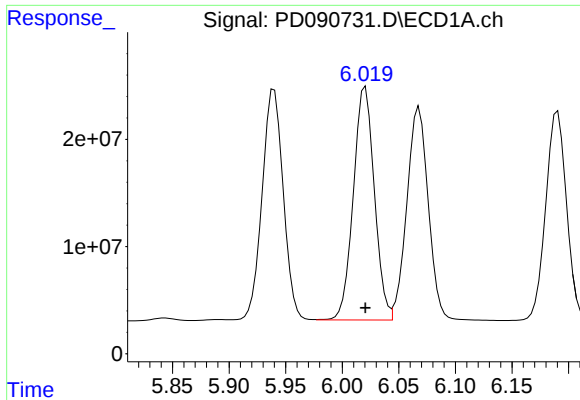
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 279307470
Conc: 47.09 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2167958139
Conc: 48.23 ng/ml



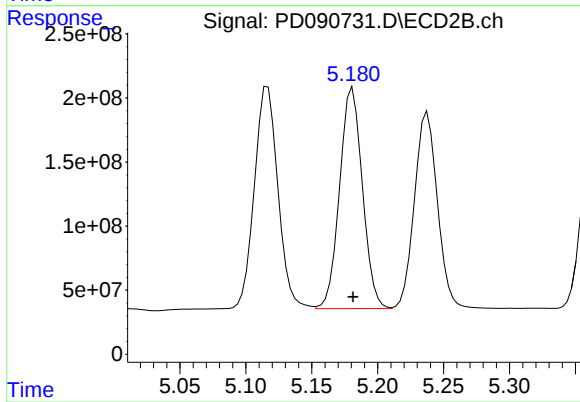
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 281183894
Conc: 45.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
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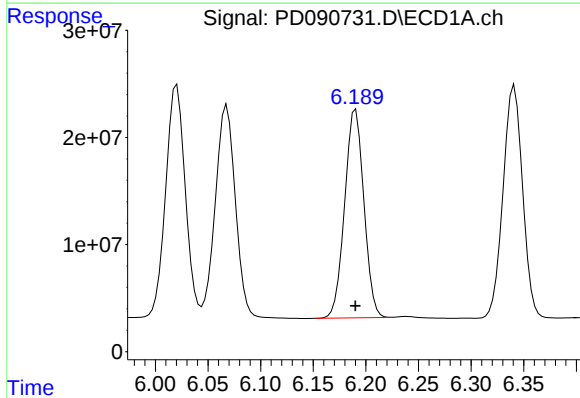
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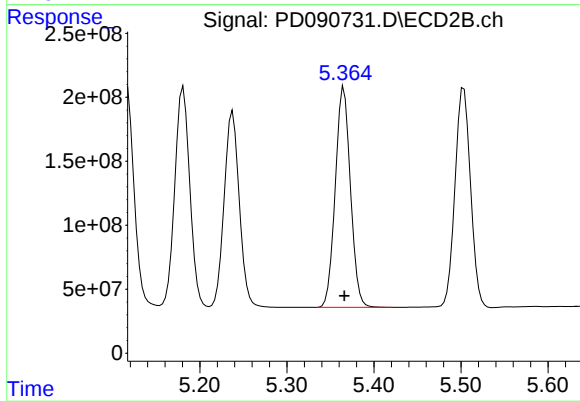
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2074887044
Conc: 48.10 ng/ml



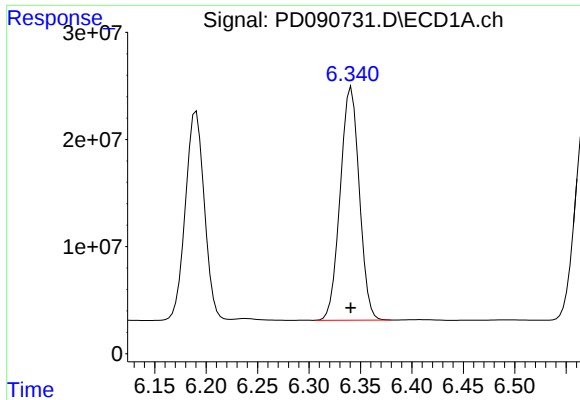
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 248158016
Conc: 46.59 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2088559175
Conc: 47.64 ng/ml



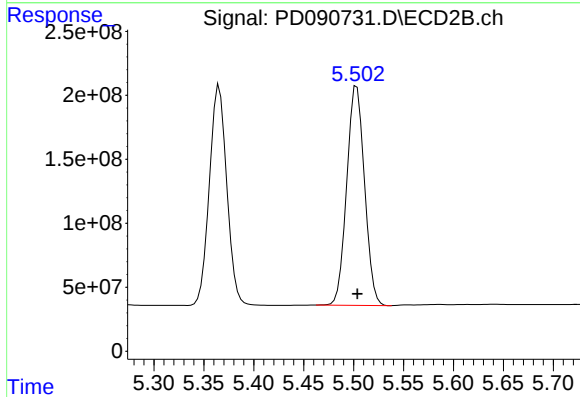
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 280749158
Conc: 48.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

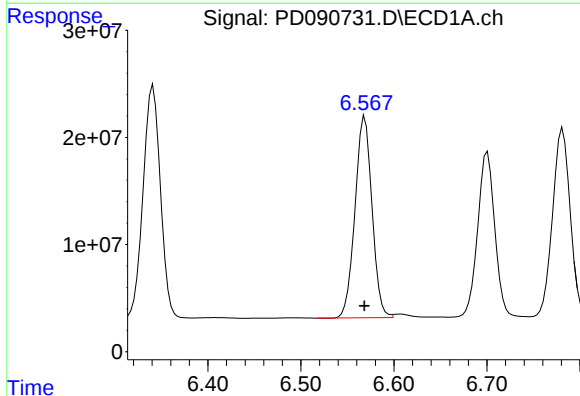
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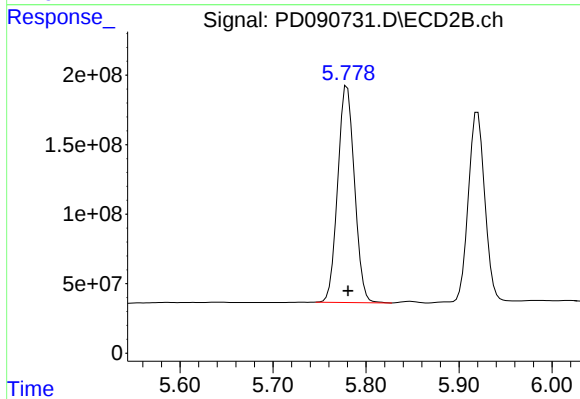
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2130023217
Conc: 48.21 ng/ml



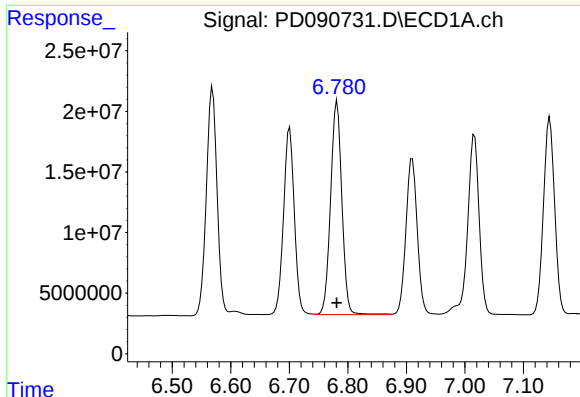
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 238742903
Conc: 48.19 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1951698297
Conc: 48.20 ng/ml



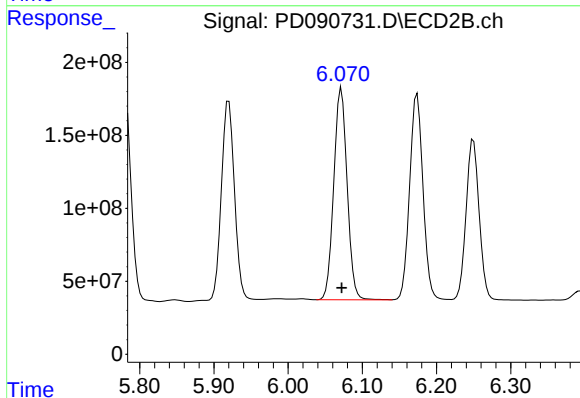
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 235470386
Conc: 47.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

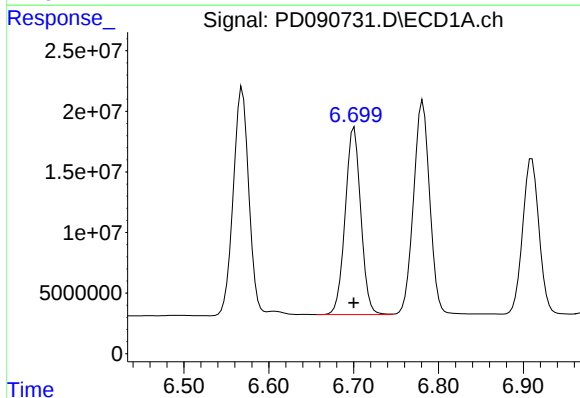
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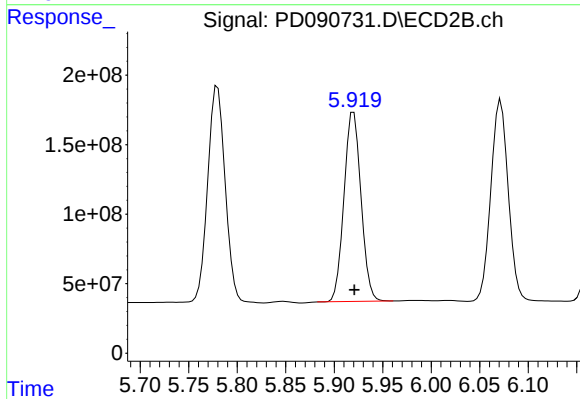
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1821418720
Conc: 48.50 ng/ml



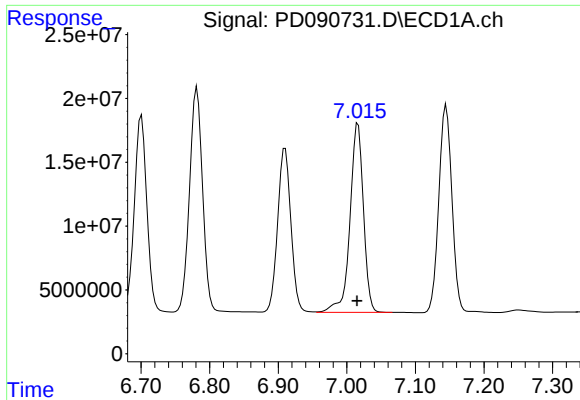
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 197052243
Conc: 48.60 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1660924798
Conc: 45.58 ng/ml



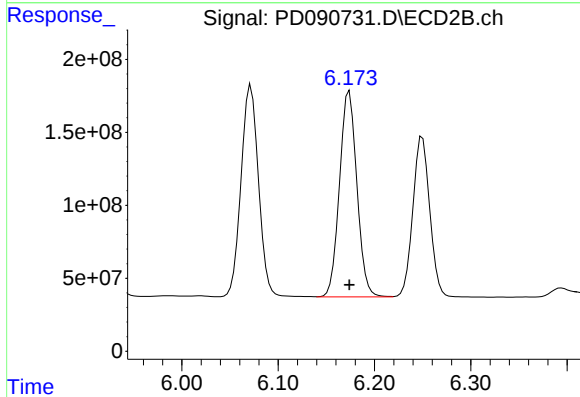
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.001 min
Response: 202506136
Conc: 49.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

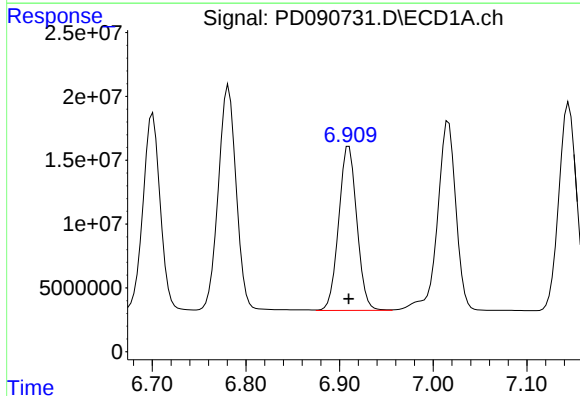
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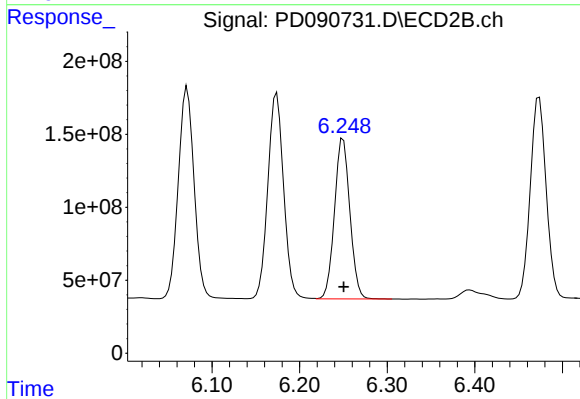
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1766665132
Conc: 50.37 ng/ml



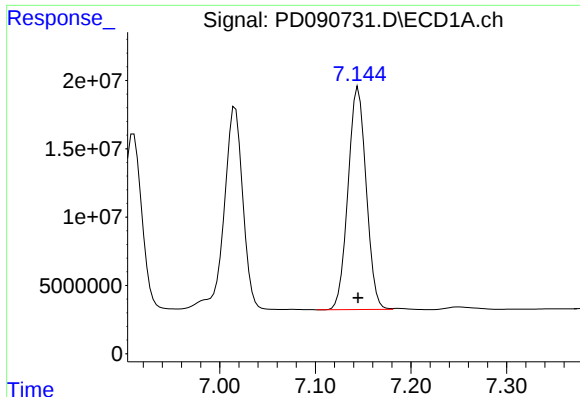
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 173426396
Conc: 47.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1343590299
Conc: 48.52 ng/ml



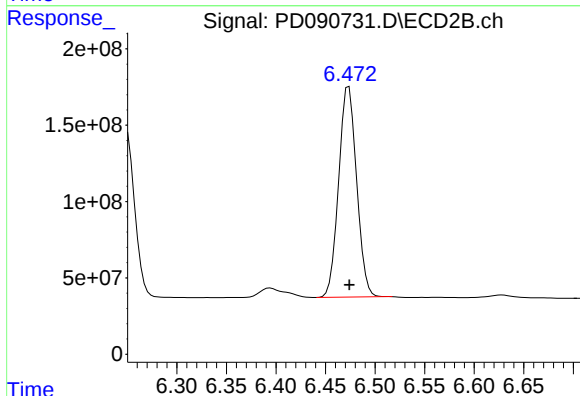
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 214990804
Conc: 46.35 ng/ml

Instrument :
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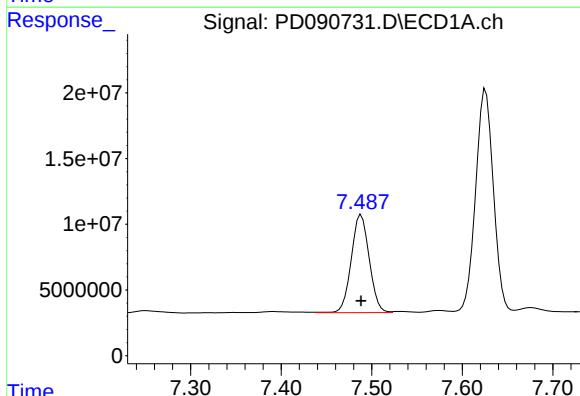
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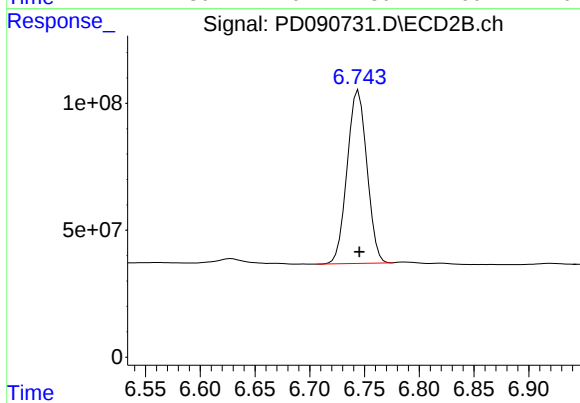
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1739664258
Conc: 48.53 ng/ml



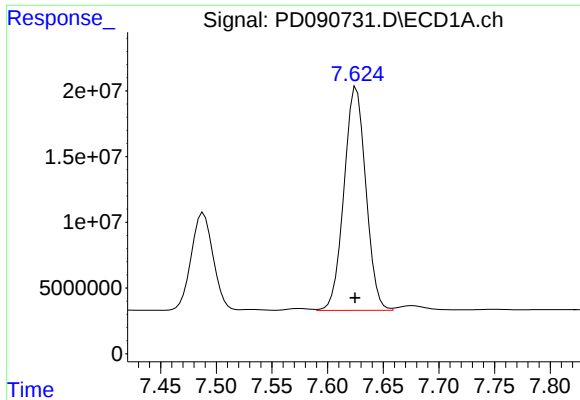
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 102716051
Conc: 48.32 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 856958145
Conc: 49.17 ng/ml



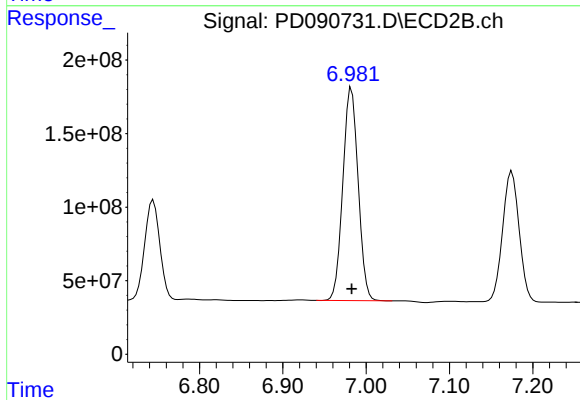
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 232114406
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

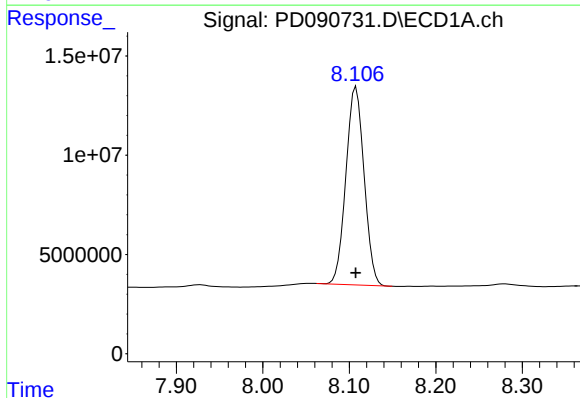
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



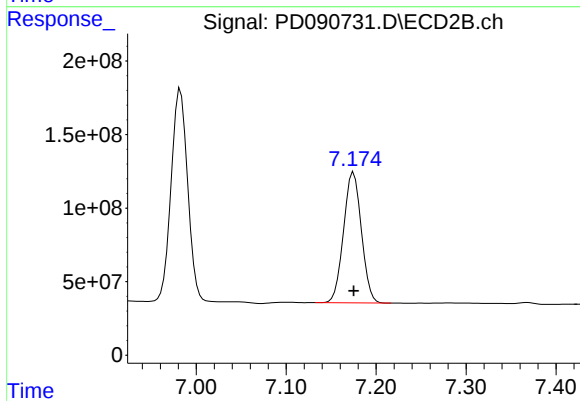
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1848682498
Conc: 49.01 ng/ml



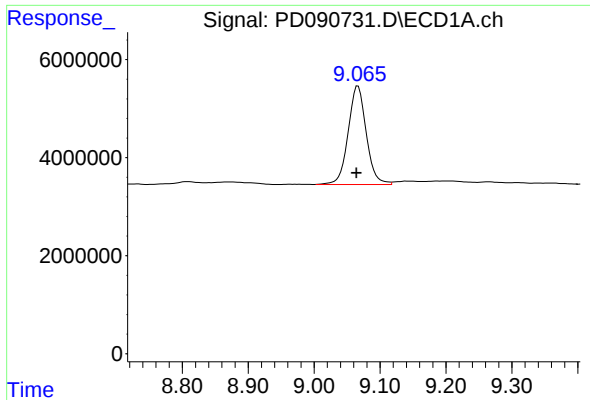
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 144838884
Conc: 45.25 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1224304713
Conc: 47.66 ng/ml



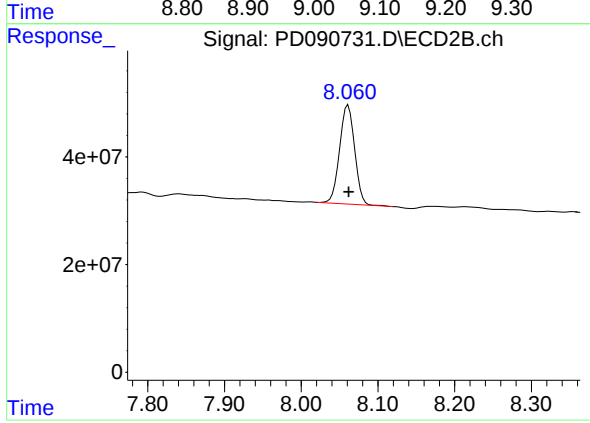
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 38392384
Conc: 8.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
41-LBMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 250842228
Conc: 8.28 ng/ml