

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

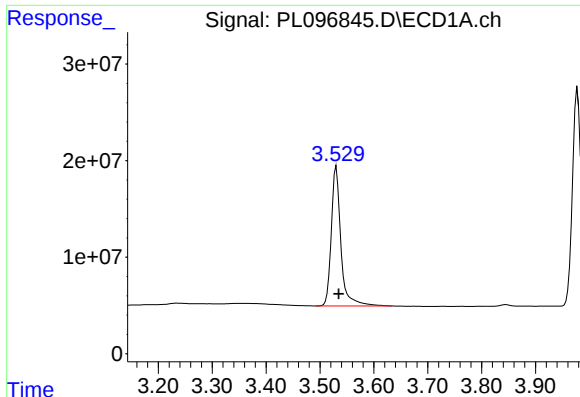
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 12:38:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.529	2.822	179.5E6	260.5E6	56.435m	54.518
28)	SA Decachlor...	9.007	7.989	129.5E6	218.1E6	54.303m	50.281
Target Compounds							
2)	A alpha-BHC	3.976	3.327	269.6E6	382.9E6	58.265m	54.109
3)	MA gamma-BHC...	4.304	3.659	251.4E6	355.3E6	56.832m	53.810
4)	MA Heptachlor	4.896	4.008	245.7E6	344.8E6	59.122m	51.753
5)	MB Aldrin	5.237	4.291	239.3E6	326.8E6	55.640	52.642
6)	B beta-BHC	4.491	3.956	102.9E6	150.8E6	57.030m	53.467
7)	B delta-BHC	4.738	4.189	232.1E6	344.0E6	58.179	53.141
8)	B Heptachlo...	5.657	4.793	215.7E6	295.0E6	55.928	51.644
9)	A Endosulfan I	6.039	5.164	197.7E6	275.9E6	54.976	49.870
10)	B gamma-Chl...	5.912	5.045	216.3E6	313.2E6	56.843	53.262
11)	B alpha-Chl...	5.991	5.109	214.6E6	306.3E6	55.682	51.929
12)	B 4,4'-DDE	6.162	5.298	176.8E6	288.5E6	55.064	52.309
13)	MA Dieldrin	6.311	5.429	206.2E6	303.6E6	55.553	51.408
14)	MA Endrin	6.538	5.704	161.8E6	260.4E6	53.450	48.164
15)	B Endosulfa...	6.751	5.996	173.5E6	262.5E6	54.185	51.106
16)	A 4,4'-DDD	6.671	5.852	148.7E6	246.1E6	58.811	52.295
17)	MA 4,4'-DDT	6.985	6.104	147.3E6	245.7E6	51.350	48.581
18)	B Endrin al...	6.880	6.174	117.9E6	186.9E6	54.956	51.423
19)	B Endosulfa...	7.114	6.398	154.0E6	256.3E6	53.592	50.382
20)	A Methoxychlor	7.458	6.677	72091292	128.8E6	49.097	46.997
21)	B Endrin ke...	7.593	6.903	166.0E6	300.1E6	55.194	53.883
22)	Mirex	8.070	7.092	129.3E6	222.9E6	52.136m	51.114m

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



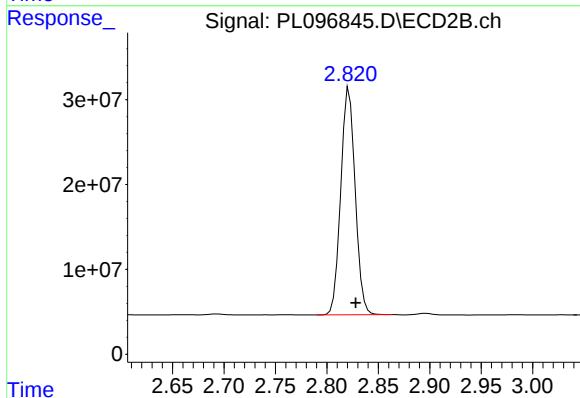
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 179506751
Conc: 56.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

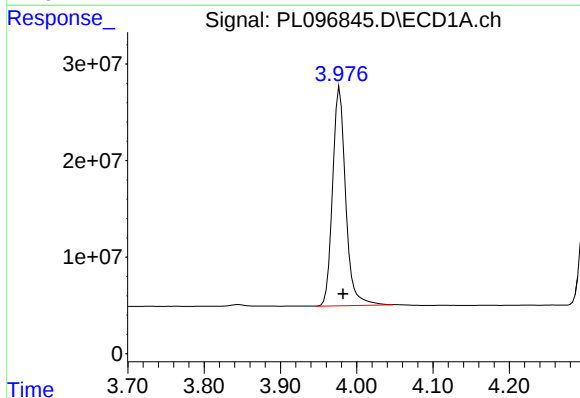
Manual Integrations
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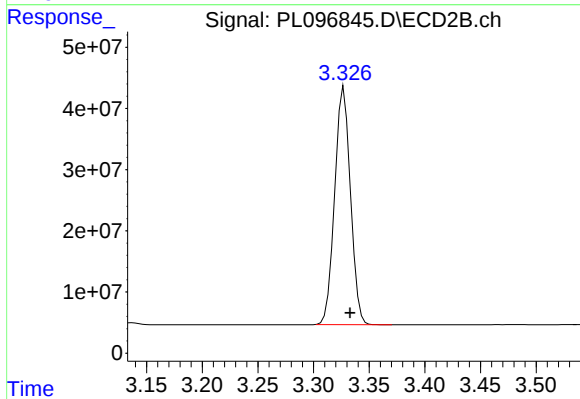
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 260475552
Conc: 54.52 ng/ml



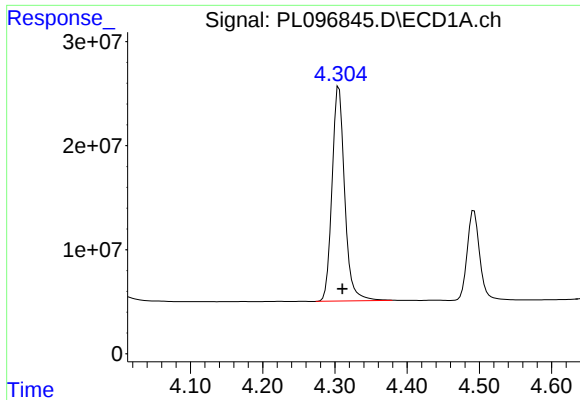
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 269552802
Conc: 58.26 ng/ml m



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.006 min
Response: 382933748
Conc: 54.11 ng/ml



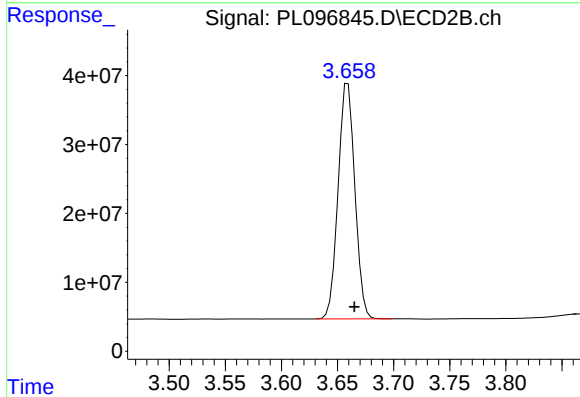
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 251392894
Conc: 56.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

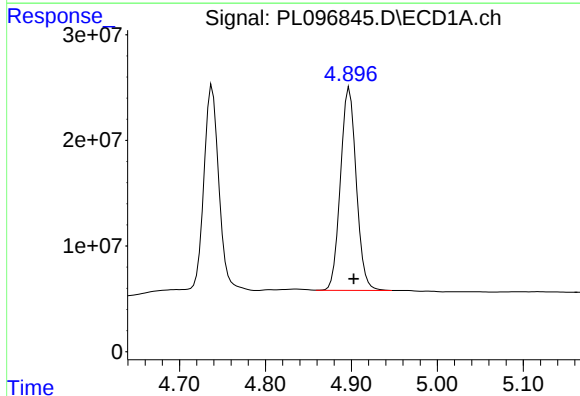
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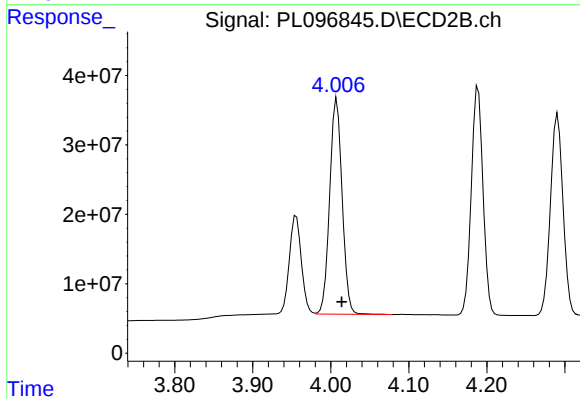
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.006 min
Response: 355328772
Conc: 53.81 ng/ml



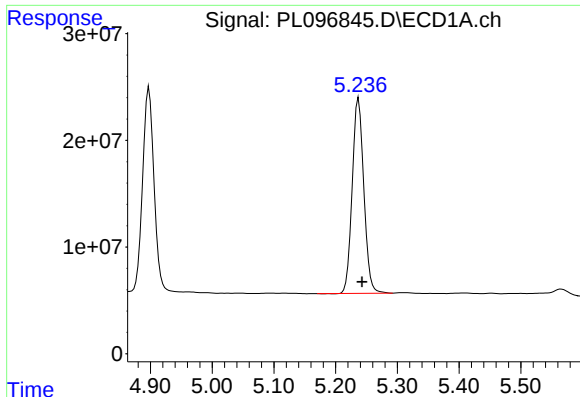
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.006 min
Response: 245693173
Conc: 59.12 ng/ml m



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: -0.006 min
Response: 344773832
Conc: 51.75 ng/ml



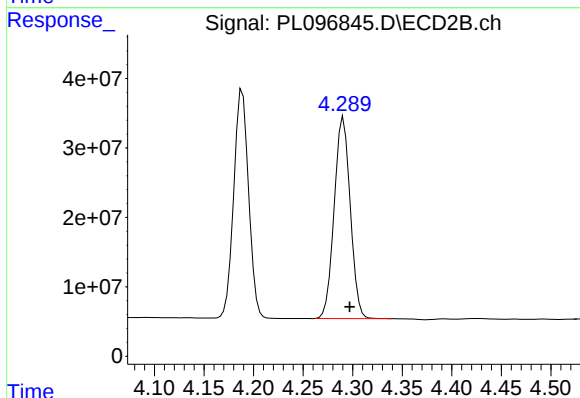
#5 Aldrin

R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 239307933
Conc: 55.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

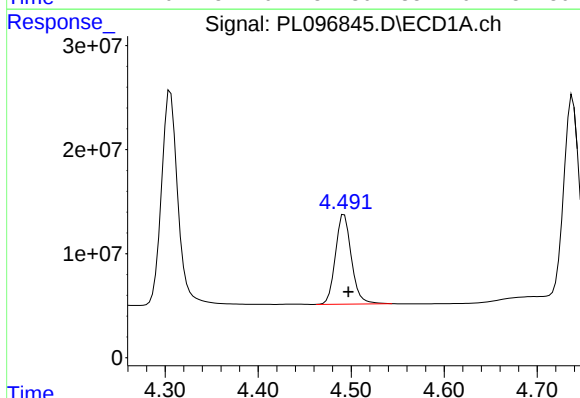
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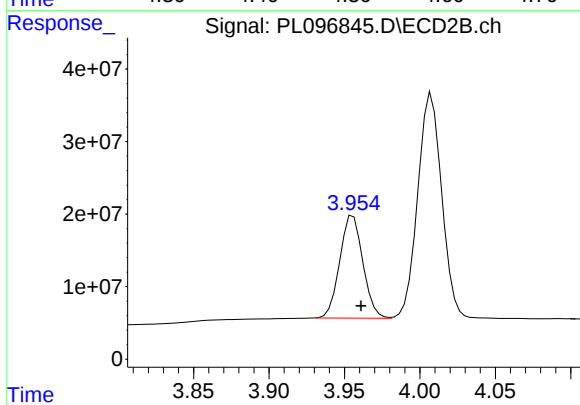
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.006 min
Response: 326750438
Conc: 52.64 ng/ml



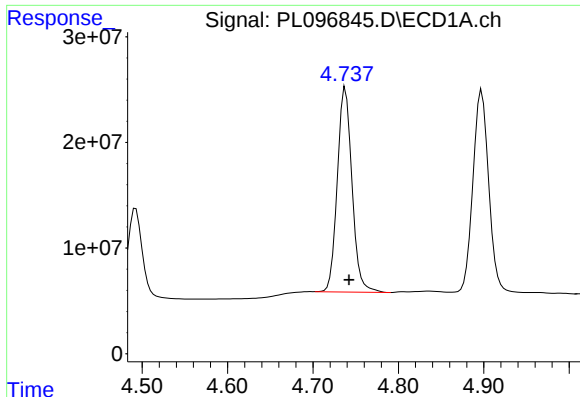
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 102937877
Conc: 57.03 ng/ml m



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 150825602
Conc: 53.47 ng/ml



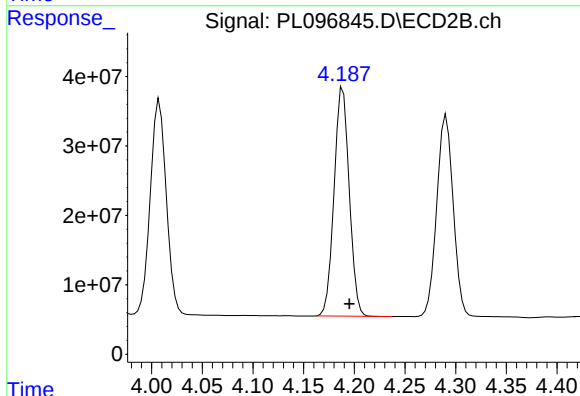
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 232126621
Conc: 58.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

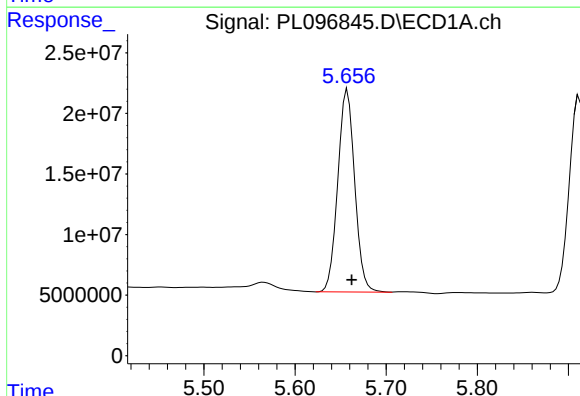
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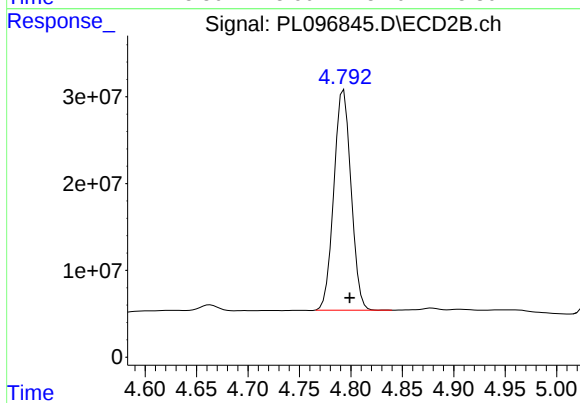
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: -0.006 min
Response: 344014546
Conc: 53.14 ng/ml



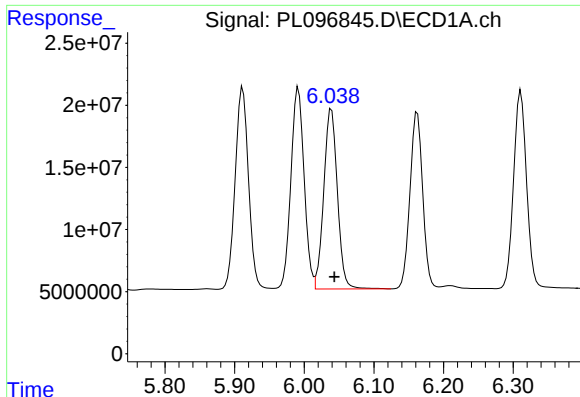
#8 Heptachlor epoxide

R.T.: 5.657 min
Delta R.T.: -0.005 min
Response: 215688491
Conc: 55.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: -0.006 min
Response: 294959375
Conc: 51.64 ng/ml



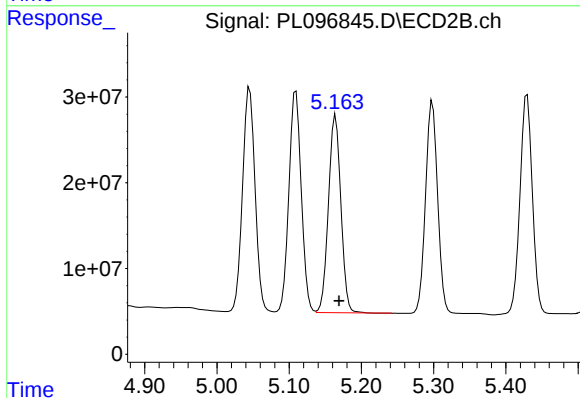
#9 Endosulfan I

R.T.: 6.039 min
Delta R.T.: -0.005 min
Response: 197715086
Conc: 54.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

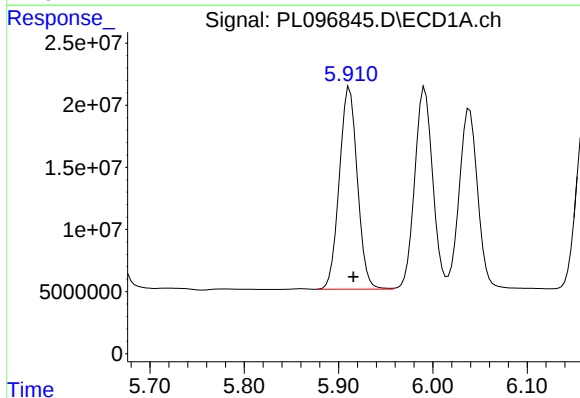
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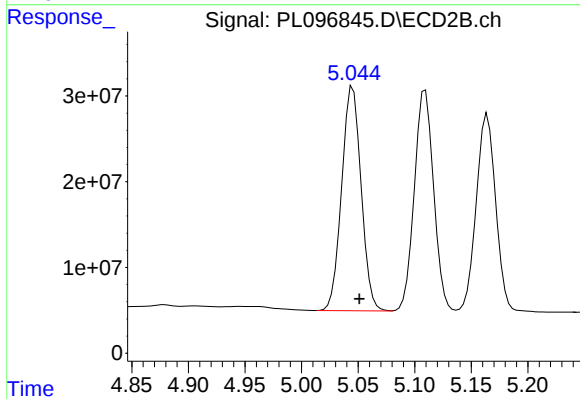
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.005 min
Response: 275850741
Conc: 49.87 ng/ml



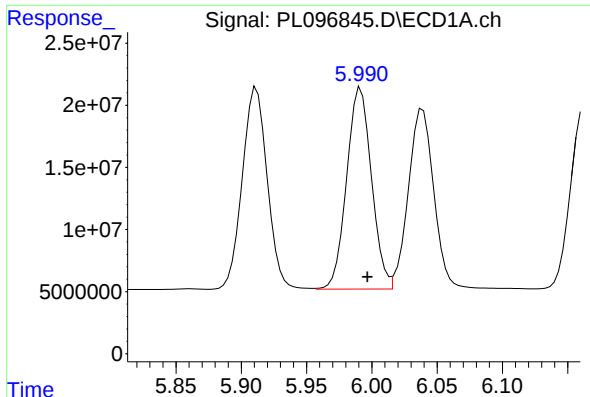
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.004 min
Response: 216300962
Conc: 56.84 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 313186300
Conc: 53.26 ng/ml



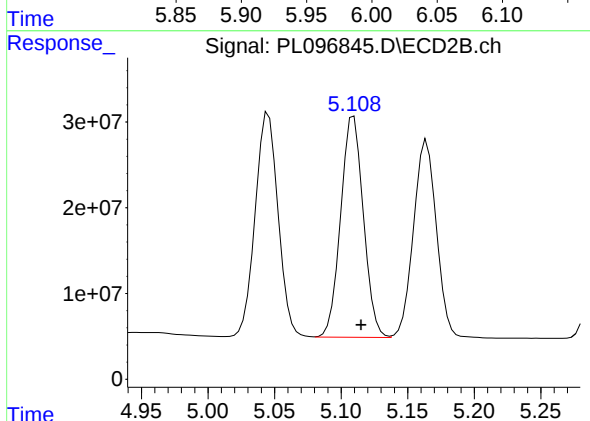
#11 alpha-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.005 min
Response: 214632911
Conc: 55.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

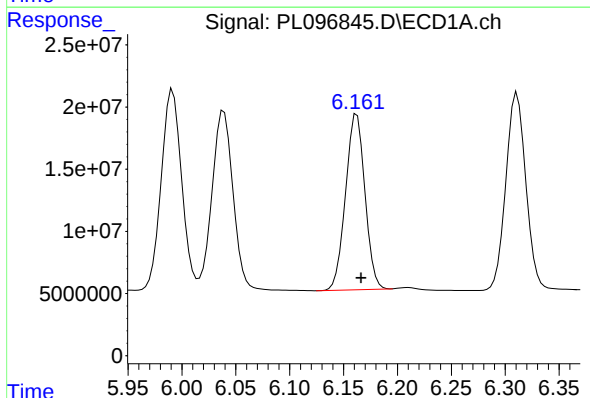
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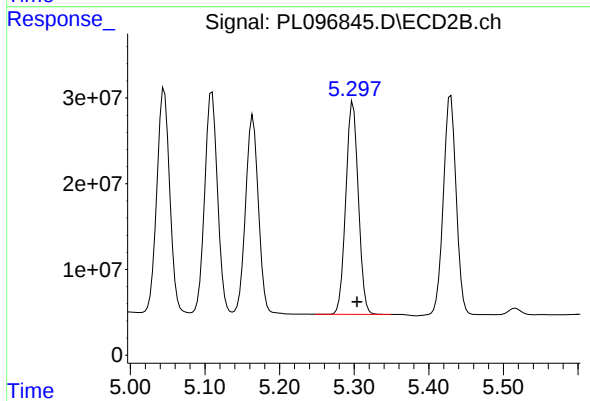
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 306324746
Conc: 51.93 ng/ml



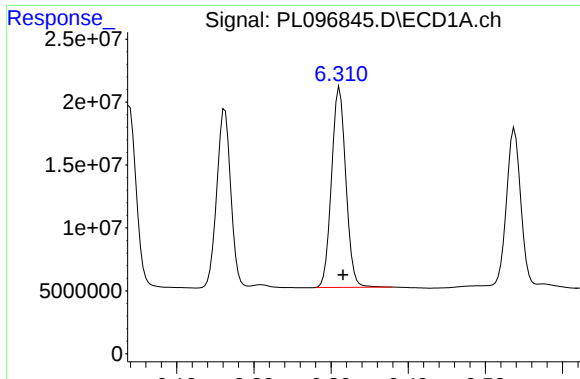
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.004 min
Response: 176823674
Conc: 55.06 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 288452466
Conc: 52.31 ng/ml



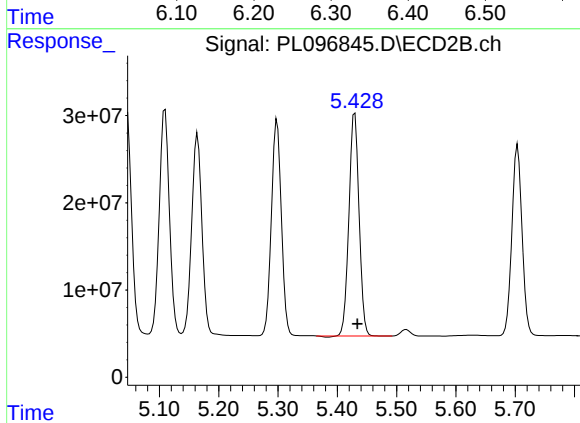
#13 Dieldrin

R.T.: 6.311 min
Delta R.T.: -0.005 min
Response: 206164779
Conc: 55.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

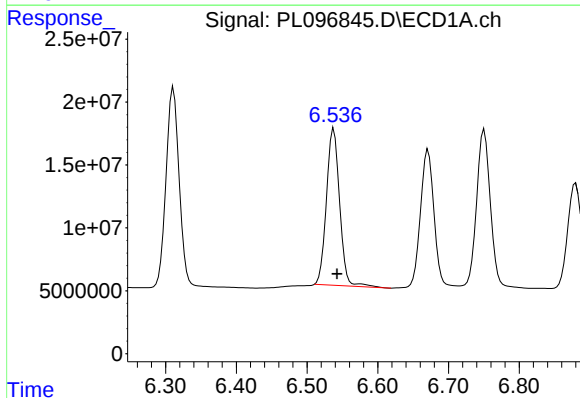
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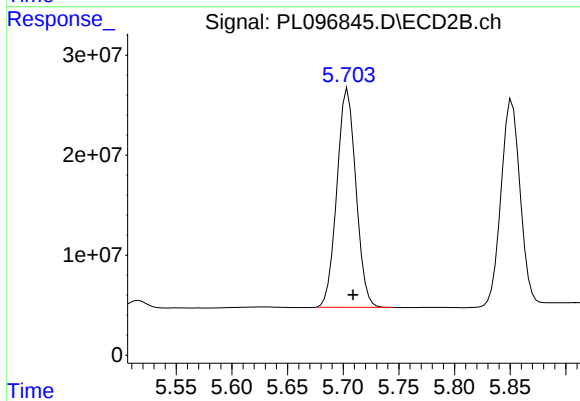
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 303640842
Conc: 51.41 ng/ml



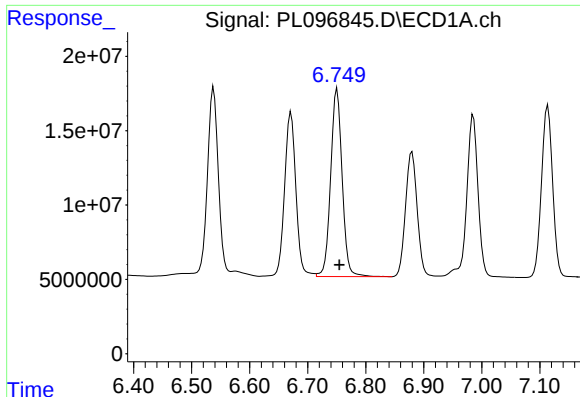
#14 Endrin

R.T.: 6.538 min
Delta R.T.: -0.005 min
Response: 161780527
Conc: 53.45 ng/ml



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 260371798
Conc: 48.16 ng/ml



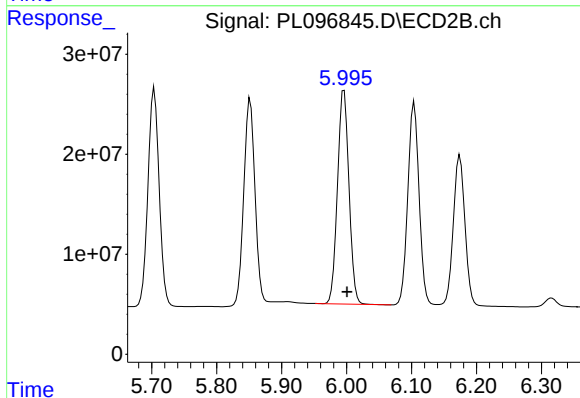
#15 Endosulfan II

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 173536077
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

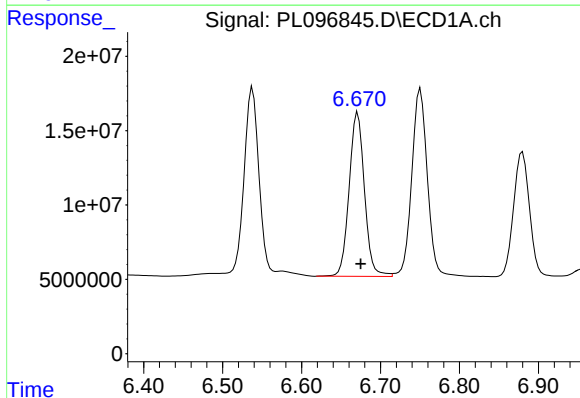
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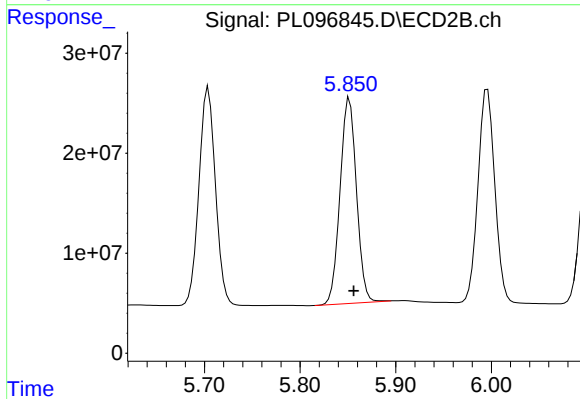
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 262493294
Conc: 51.11 ng/ml



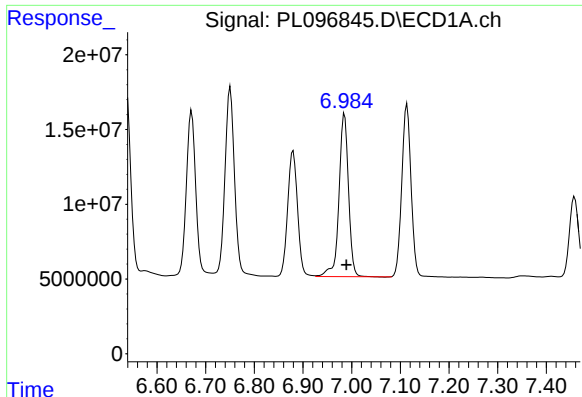
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 148695821
Conc: 58.81 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 246064001
Conc: 52.30 ng/ml



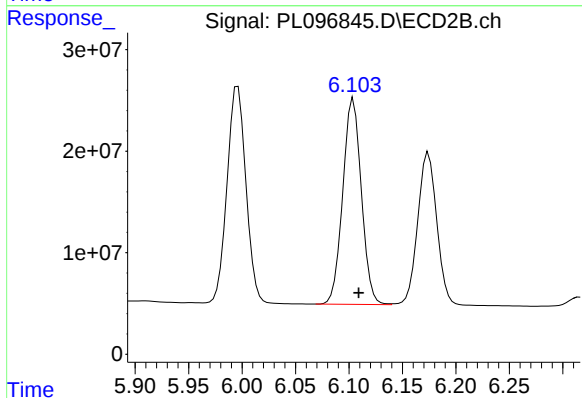
#17 4,4'-DDT

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 147255191
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

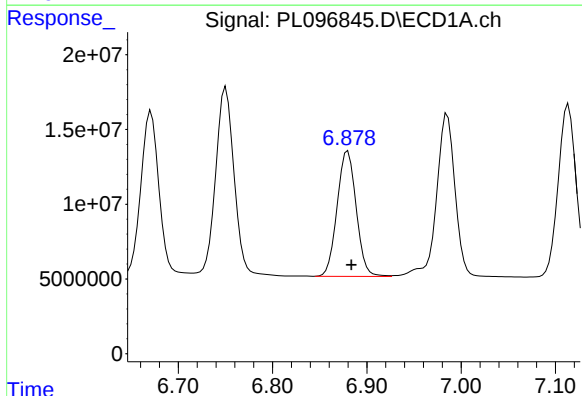
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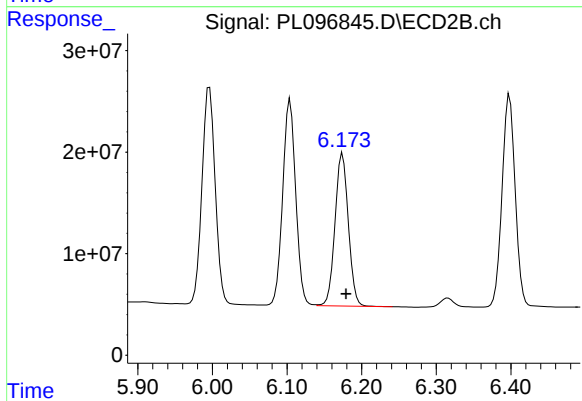
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245739224
Conc: 48.58 ng/ml



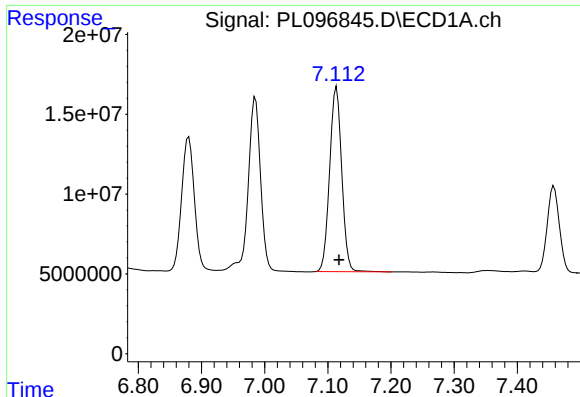
#18 Endrin aldehyde

R.T.: 6.880 min
Delta R.T.: -0.004 min
Response: 117931640
Conc: 54.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 186925672
Conc: 51.42 ng/ml



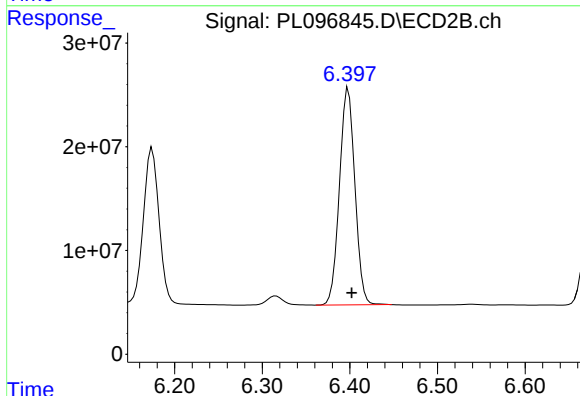
#19 Endosulfan Sulfate

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 154007200
Conc: 53.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

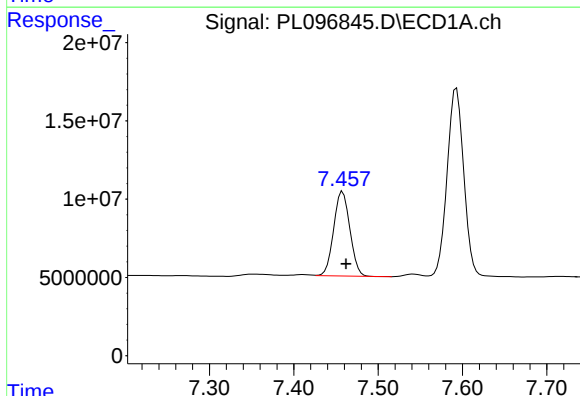
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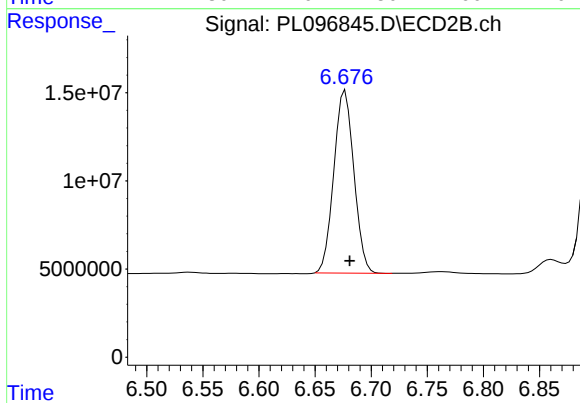
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 256253832
Conc: 50.38 ng/ml



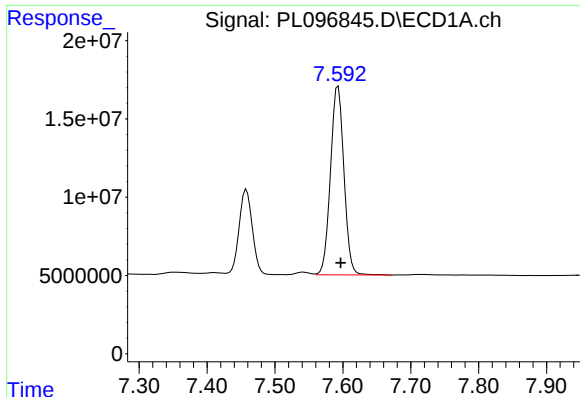
#20 Methoxychlor

R.T.: 7.458 min
Delta R.T.: -0.004 min
Response: 72091292
Conc: 49.10 ng/ml



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 128795259
Conc: 47.00 ng/ml



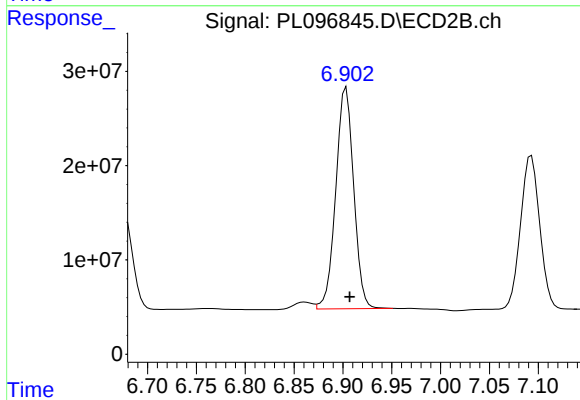
#21 Endrin ketone

R.T.: 7.593 min
Delta R.T.: -0.004 min
Response: 165953120
Conc: 55.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

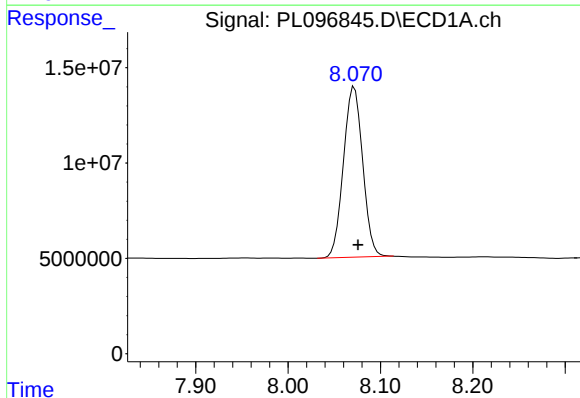
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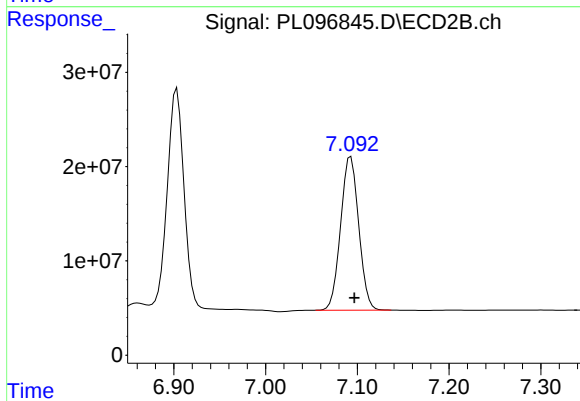
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 300116611
Conc: 53.88 ng/ml



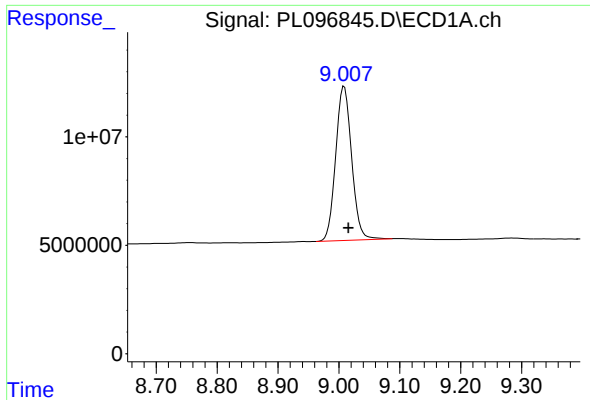
#22 Mirex

R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 129262489
Conc: 52.14 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 222902285
Conc: 51.11 ng/ml m



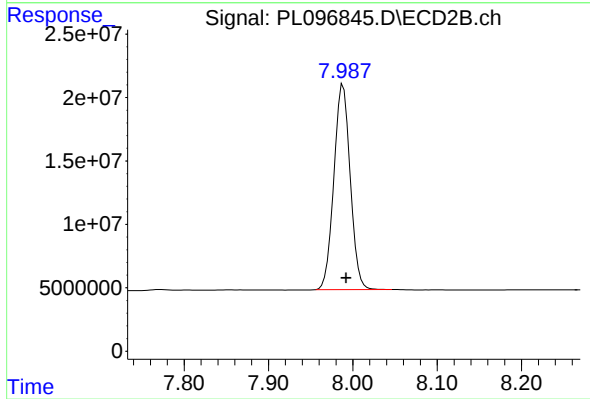
#28 Decachlorobiphenyl

R.T.: 9.007 min
Delta R.T.: -0.008 min
Response: 129493961
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.989 min
Delta R.T.: -0.004 min
Response: 218134870
Conc: 50.28 ng/ml