

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061923\
 Data File : PL083547.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Jun 2023 17:17
 Operator : AR\AJ
 Sample : 03279-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TOPSOIL-OU3-DENALI-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/20/2023
 Supervised By : Ankita Jodhani 06/20/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 20 04:12:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061723.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 17 12:34:26 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.452	2.752	52272356	43137982	23.649	18.519
28) SA Decachlor...	8.990	7.961	26960514	33941360	14.148m	13.819
Target Compounds						
2) A alpha-BHC	3.909	3.263	135.2E6	151.0E6	43.435	44.732
3) MA gamma-BHC...	4.242	3.595	124.2E6	144.8E6	43.572	45.105
4) MA Heptachlor	4.834	3.942	121.4E6	136.1E6	43.891	43.979
5) MB Aldrin	5.176	4.225	115.4E6	141.0E6	44.415	46.821
6) B beta-BHC	4.441	3.897	56508075	64132356	43.677	42.973
7) B delta-BHC	4.687	4.129	83576813	101.2E6	30.322	31.385
8) B Heptachlo...	5.605	4.732	102.7E6	128.3E6	40.444	44.688m
9) A Endosulfan I	5.989	5.106	90995990	111.8E6	40.838m	41.487m
10) B gamma-Chl...	5.861	4.989	120.1E6	147.7E6	49.909m	49.922
11) B alpha-Chl...	5.942	5.053	115.1E6	138.0E6	48.595	46.647
12) B 4,4'-DDE	6.121	5.250	102.2E6	141.7E6	50.648	55.462
13) MA Dieldrin	6.267	5.375	120.3E6	153.0E6	53.570	54.556
14) MA Endrin	6.496	5.651	80157721	115.9E6	45.419	50.229
15) B Endosulfa...	6.716	5.948	77849786	105.3E6	41.709	44.353
16) A 4,4'-DDD	6.638	5.809	87369689	105.3E6	51.171	47.731
17) MA 4,4'-DDT	6.954	6.063	88716273	104.4E6	52.692	49.992
18) B Endrin al...	6.846	6.130	59369677	76742311	40.050m	40.604
19) B Endosulfa...	7.082	6.355	74981225	94157496	39.044	38.881
20) A Methoxychlor	7.435	6.649	39678941	62795832	43.744	52.105
21) B Endrin ke...	7.566	6.862	88427542	100.8E6	41.272	35.859
22) Mirex	8.041	7.048	113.8E6	81276388	60.945m	33.773 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061923\
Data File : PL083547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2023 17:17
Operator : AR\AJ
Sample : 03279-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

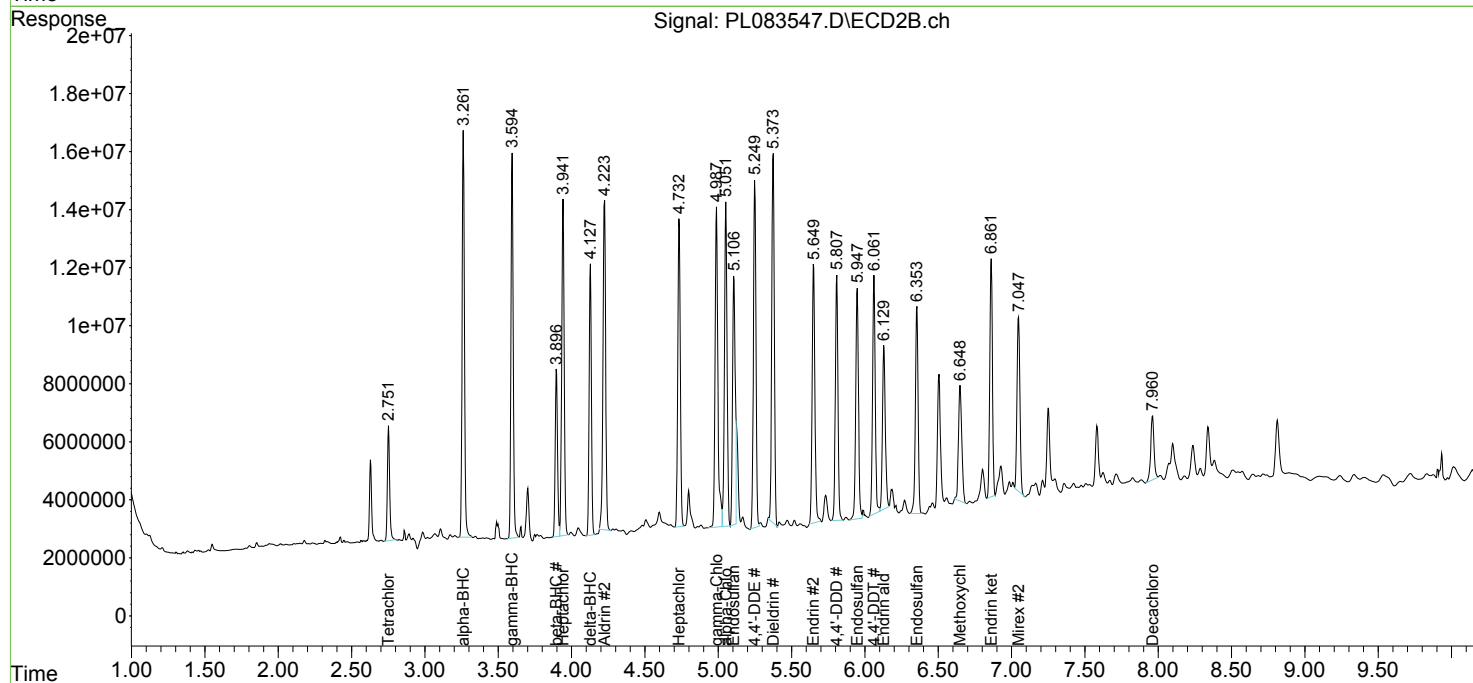
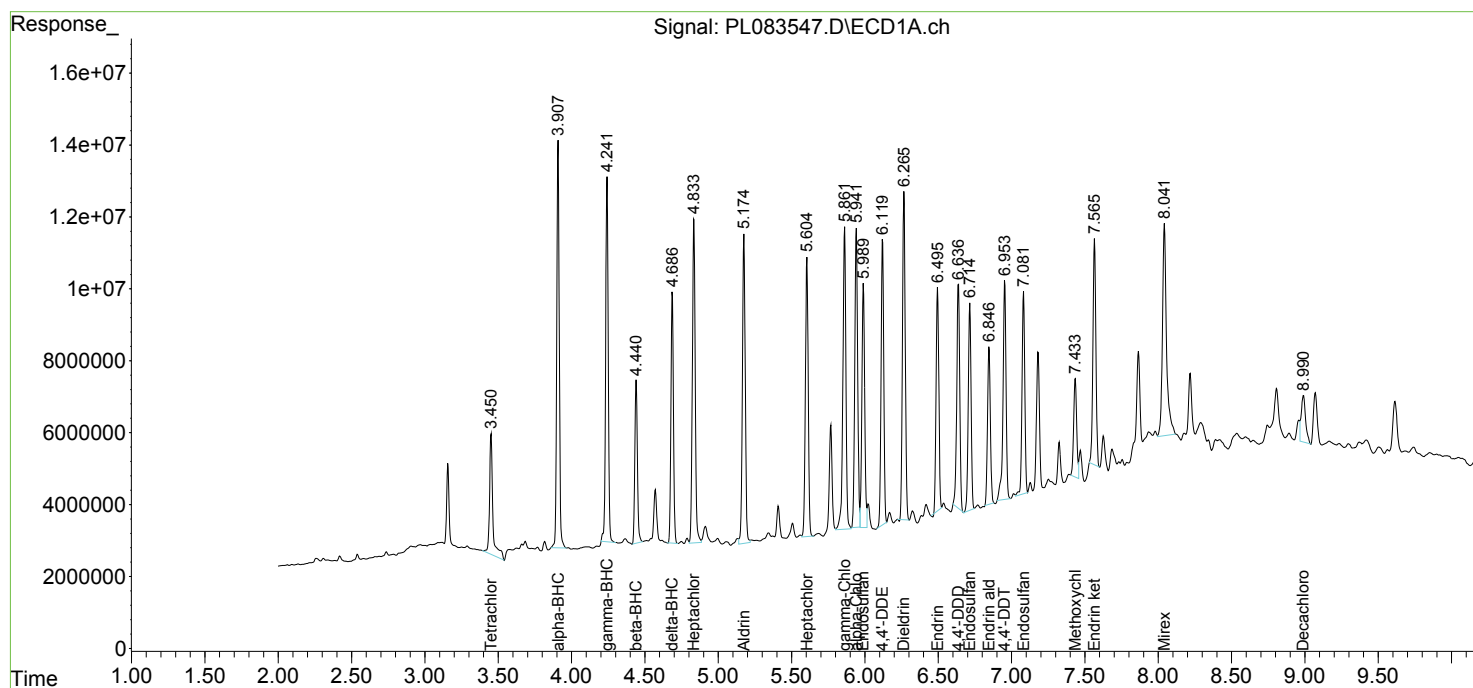
Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

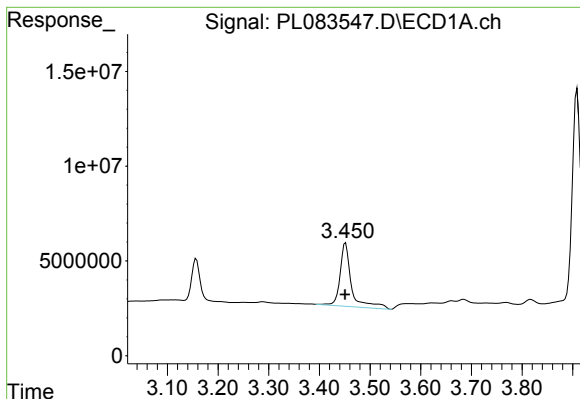
Manual Integrations
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Reviewed By :Abdul Mirza 06/20/2023
Supervised By :Ankita Jodhani 06/20/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 20 04:12:46 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061723.M
Quant Title : GC Extractables
QLast Update : Sat Jun 17 12:34:26 2023
Response via : Initial Calibration
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





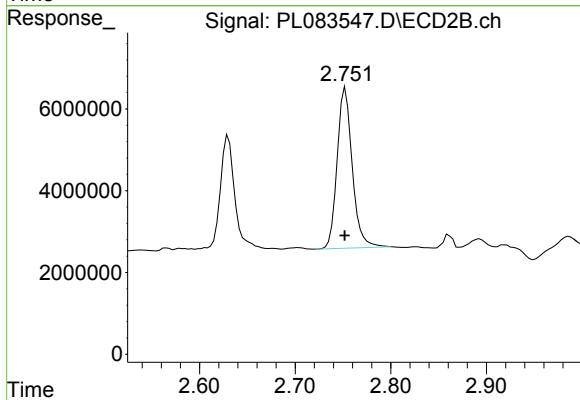
#1 Tetrachloro-m-xylene

R.T.: 3.452 min
Delta R.T.: 0.000 min
Response: 52272356
Conc: 23.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

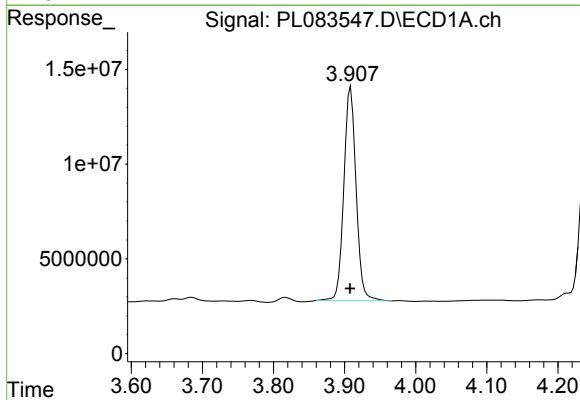
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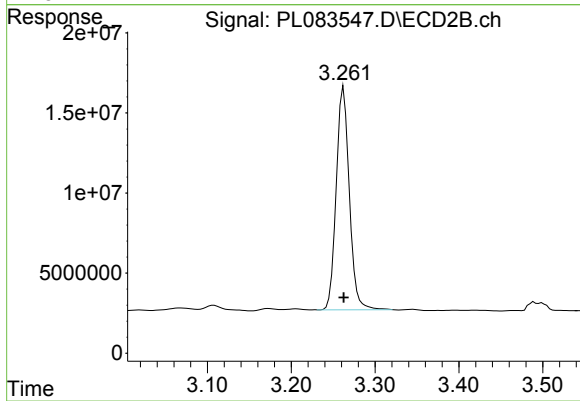
#1 Tetrachloro-m-xylene

R.T.: 2.752 min
Delta R.T.: 0.000 min
Response: 43137982
Conc: 18.52 ng/ml



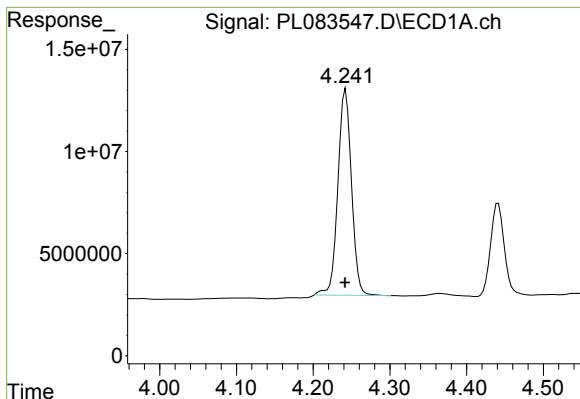
#2 alpha-BHC

R.T.: 3.909 min
Delta R.T.: 0.001 min
Response: 135230775
Conc: 43.43 ng/ml



#2 alpha-BHC

R.T.: 3.263 min
Delta R.T.: 0.000 min
Response: 150996169
Conc: 44.73 ng/ml



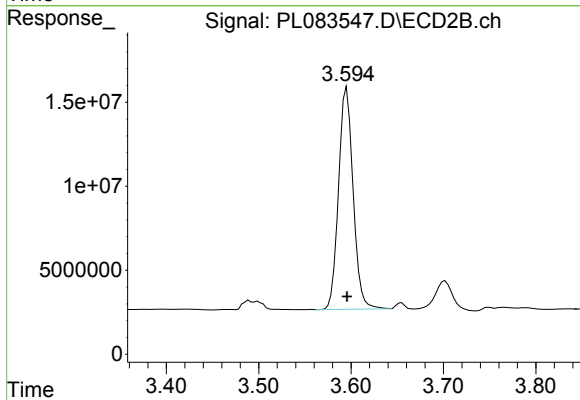
#3 gamma-BHC (Lindane)

R.T.: 4.242 min
Delta R.T.: 0.000 min
Response: 124212703
Conc: 43.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

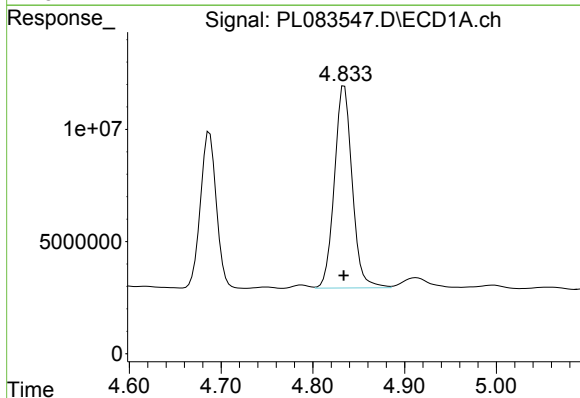
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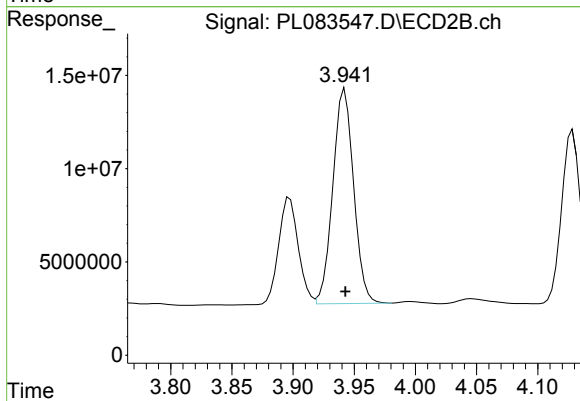
#3 gamma-BHC (Lindane)

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 144813789
Conc: 45.10 ng/ml



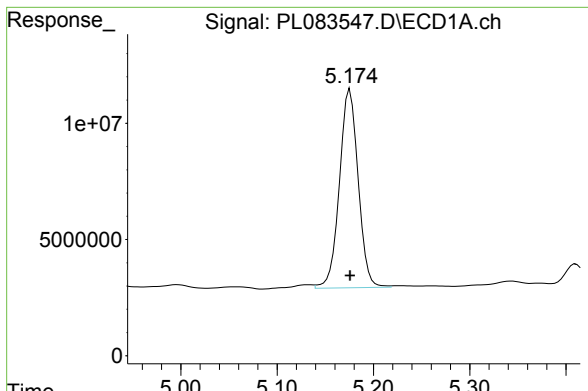
#4 Heptachlor

R.T.: 4.834 min
Delta R.T.: 0.000 min
Response: 121353200
Conc: 43.89 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 136143512
Conc: 43.98 ng/ml



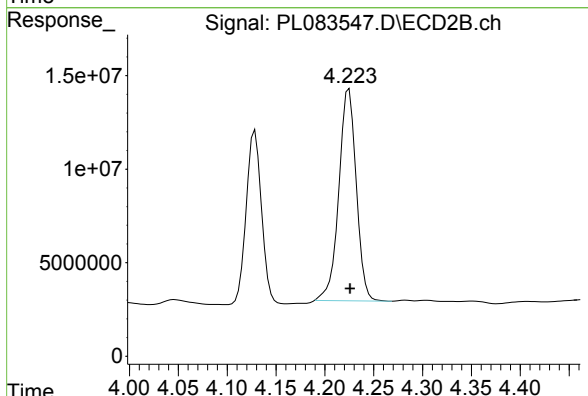
#5 Aldrin

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 115428268
Conc: 44.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

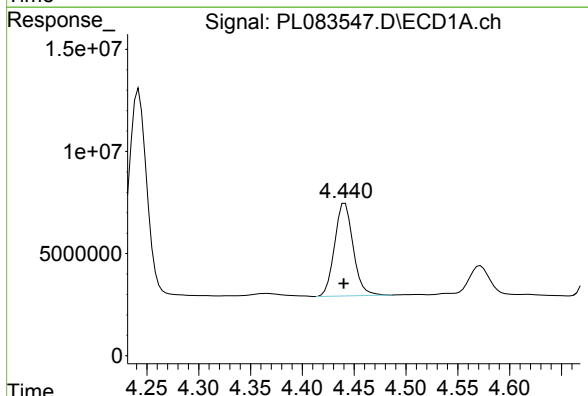
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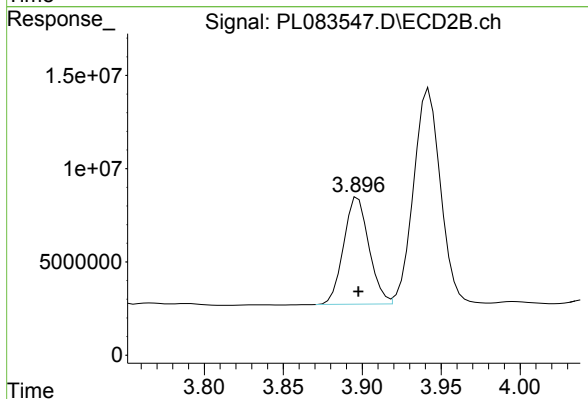
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: -0.001 min
Response: 140960627
Conc: 46.82 ng/ml



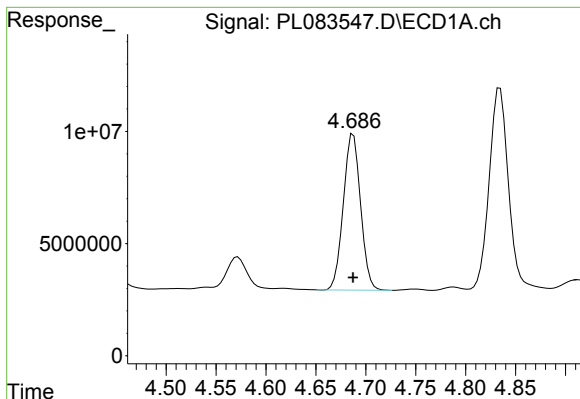
#6 beta-BHC

R.T.: 4.441 min
Delta R.T.: 0.001 min
Response: 56508075
Conc: 43.68 ng/ml



#6 beta-BHC

R.T.: 3.897 min
Delta R.T.: 0.000 min
Response: 64132356
Conc: 42.97 ng/ml



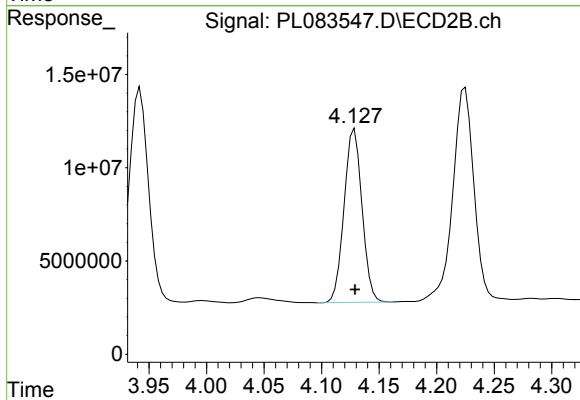
#7 delta-BHC

R.T.: 4.687 min
Delta R.T.: 0.000 min
Response: 83576813
Conc: 30.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

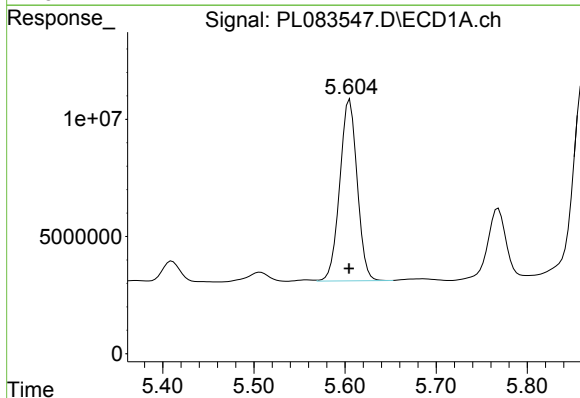
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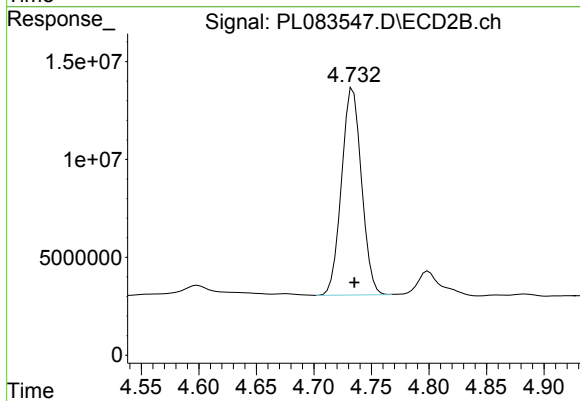
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: 0.000 min
Response: 101159553
Conc: 31.38 ng/ml



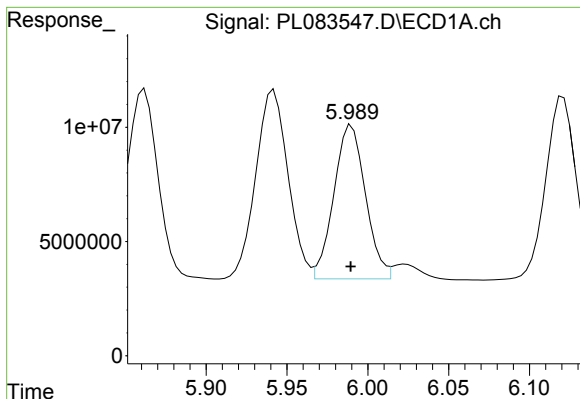
#8 Heptachlor epoxide

R.T.: 5.605 min
Delta R.T.: 0.000 min
Response: 102659993
Conc: 40.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.732 min
Delta R.T.: -0.003 min
Response: 128274310
Conc: 44.69 ng/ml m



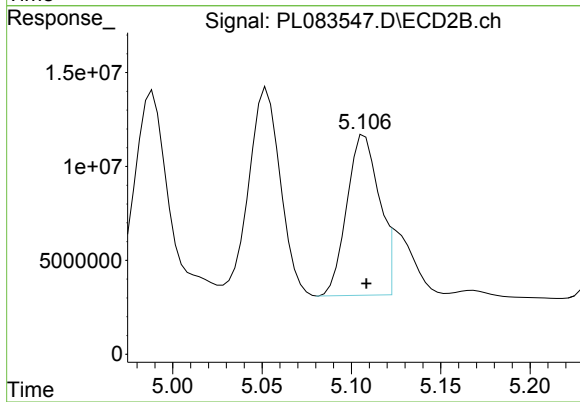
#9 Endosulfan I

R.T.: 5.989 min
Delta R.T.: 0.000 min
Response: 90995990
Conc: 40.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

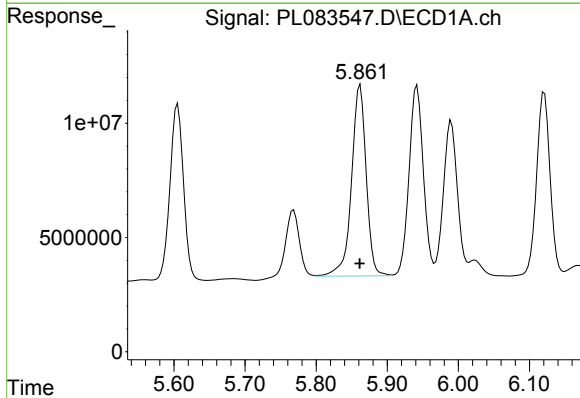
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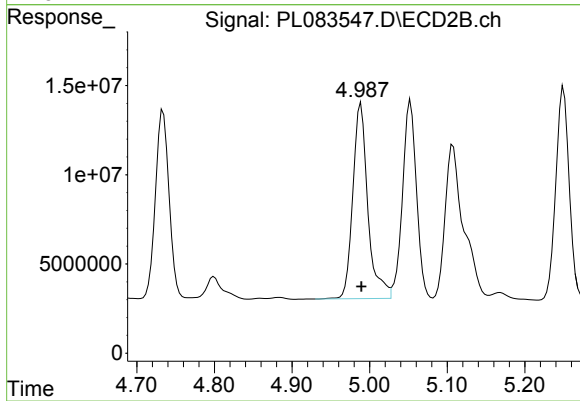
#9 Endosulfan I

R.T.: 5.106 min
Delta R.T.: -0.002 min
Response: 111809787
Conc: 41.49 ng/ml m



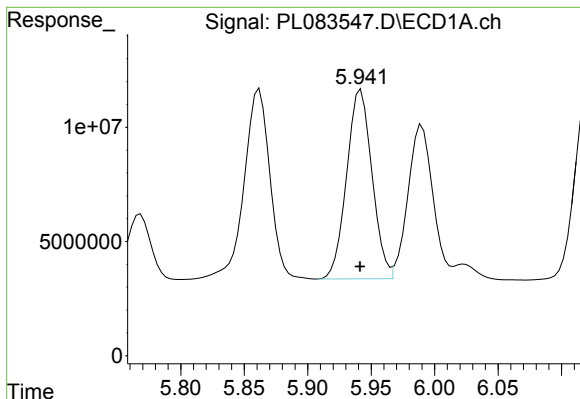
#10 gamma-Chlordane

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 120063727
Conc: 49.91 ng/ml m



#10 gamma-Chlordane

R.T.: 4.989 min
Delta R.T.: 0.000 min
Response: 147705740
Conc: 49.92 ng/ml



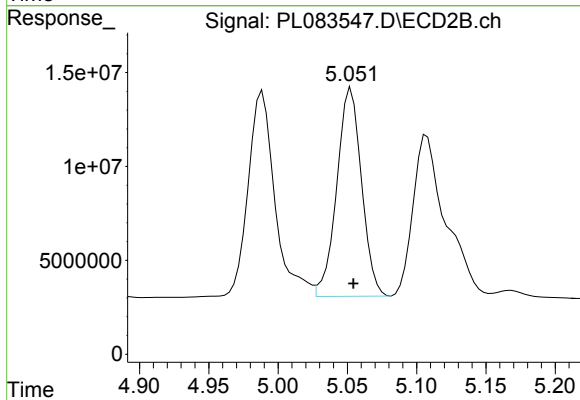
#11 alpha-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 115106334
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

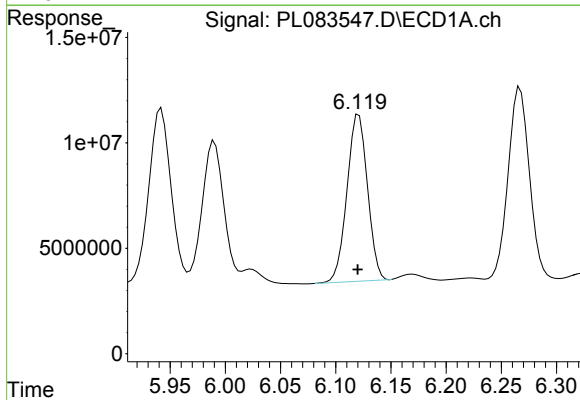
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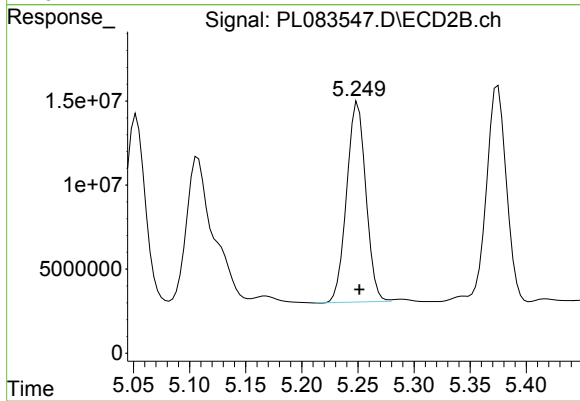
#11 alpha-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.002 min
Response: 137993567
Conc: 46.65 ng/ml



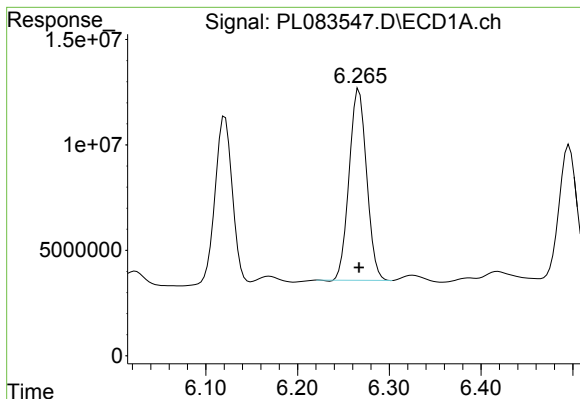
#12 4,4'-DDE

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 102242072
Conc: 50.65 ng/ml



#12 4,4'-DDE

R.T.: 5.250 min
Delta R.T.: -0.001 min
Response: 141683210
Conc: 55.46 ng/ml



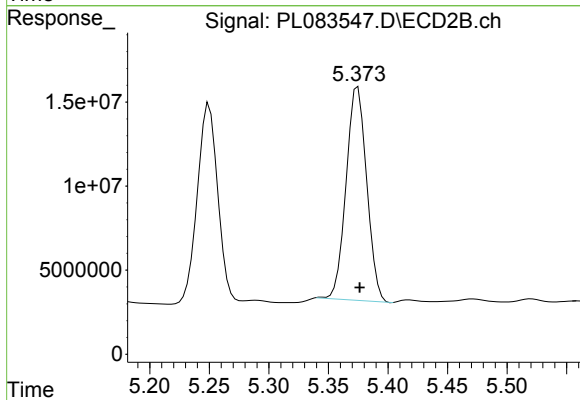
#13 Dieldrin

R.T.: 6.267 min
Delta R.T.: 0.000 min
Response: 120288766
Conc: 53.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

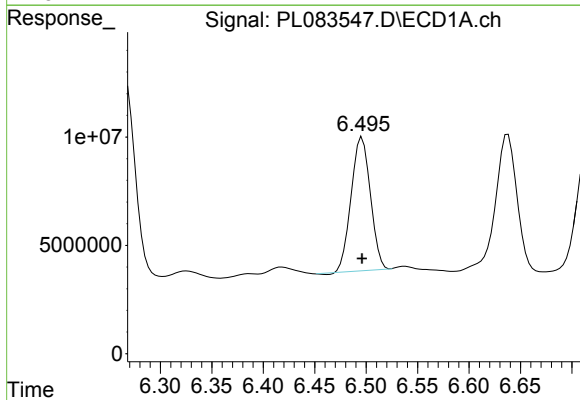
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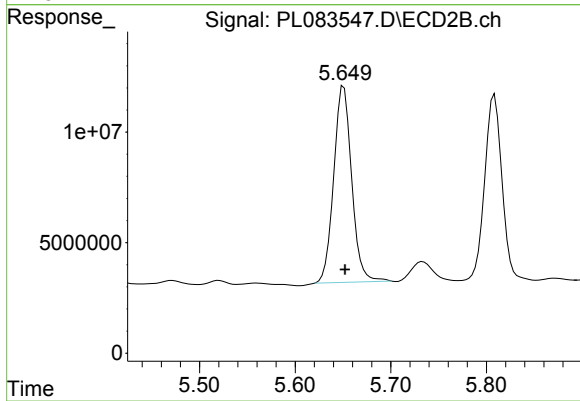
#13 Dieldrin

R.T.: 5.375 min
Delta R.T.: -0.002 min
Response: 152987592
Conc: 54.56 ng/ml



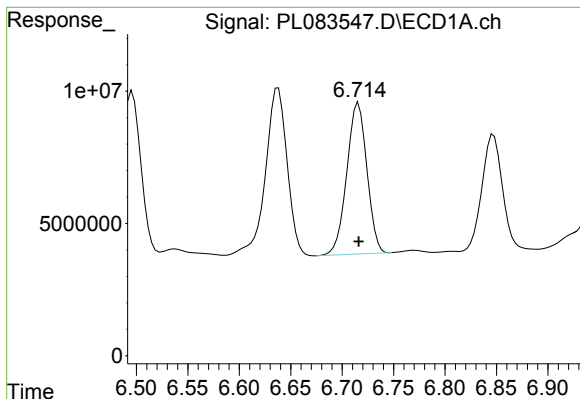
#14 Endrin

R.T.: 6.496 min
Delta R.T.: 0.000 min
Response: 80157721
Conc: 45.42 ng/ml



#14 Endrin

R.T.: 5.651 min
Delta R.T.: -0.001 min
Response: 115933387
Conc: 50.23 ng/ml



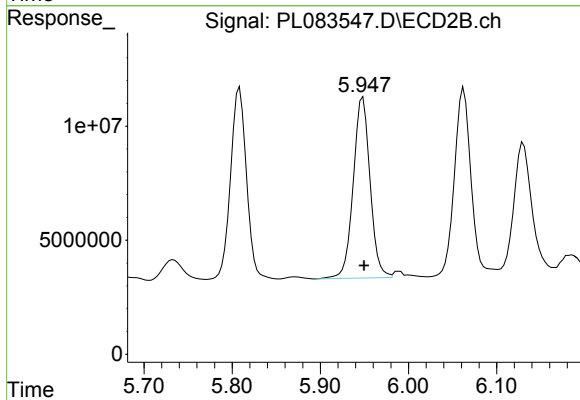
#15 Endosulfan II

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 77849786
Conc: 41.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

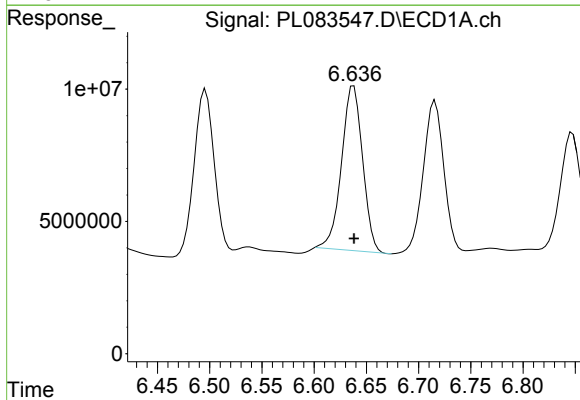
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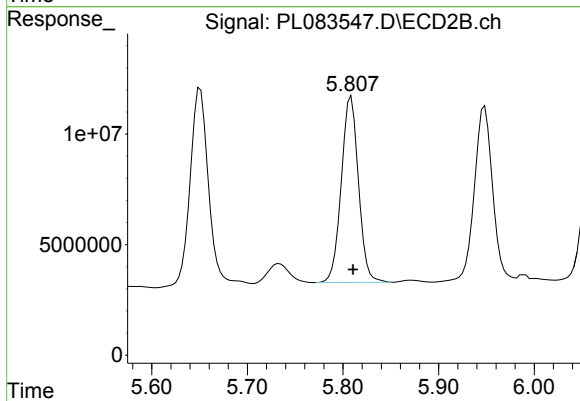
#15 Endosulfan II

R.T.: 5.948 min
Delta R.T.: -0.001 min
Response: 105280663
Conc: 44.35 ng/ml



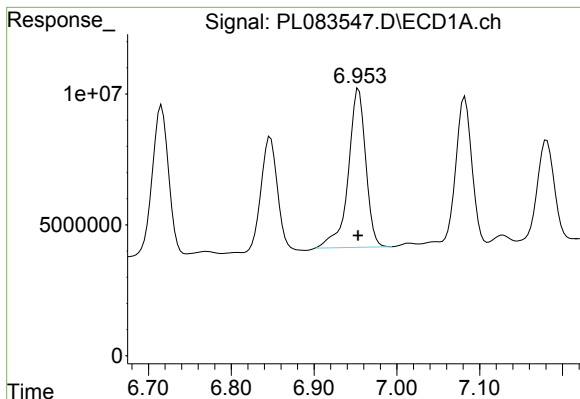
#16 4,4'-DDD

R.T.: 6.638 min
Delta R.T.: 0.000 min
Response: 87369689
Conc: 51.17 ng/ml



#16 4,4'-DDD

R.T.: 5.809 min
Delta R.T.: -0.002 min
Response: 105255042
Conc: 47.73 ng/ml



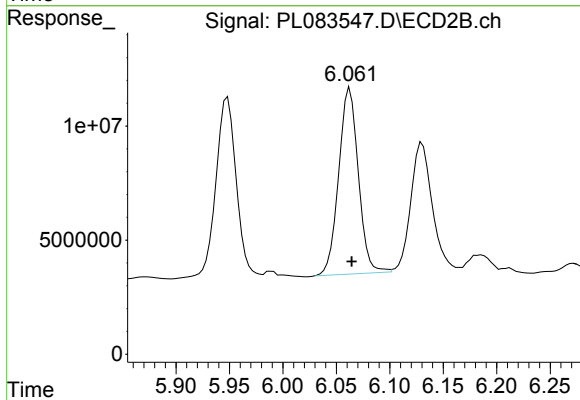
#17 4,4'-DDT

R.T.: 6.954 min
Delta R.T.: 0.000 min
Response: 88716273
Conc: 52.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

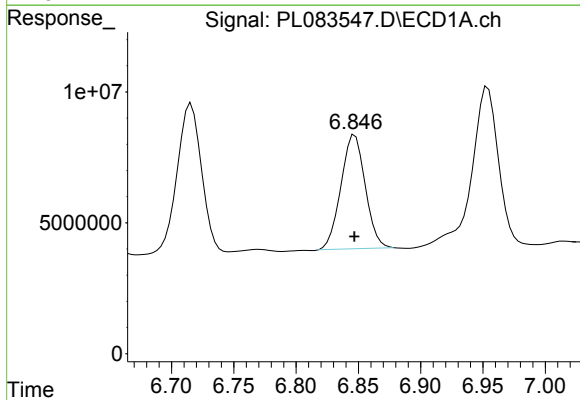
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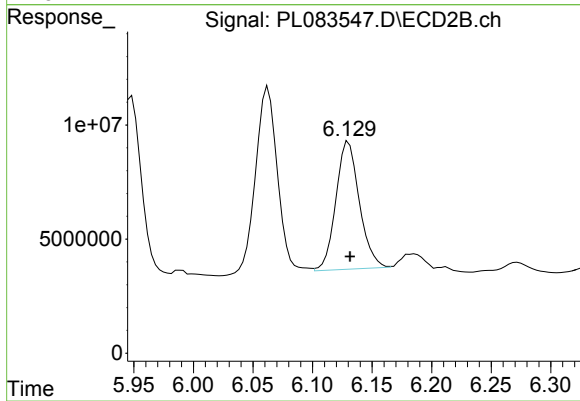
#17 4,4'-DDT

R.T.: 6.063 min
Delta R.T.: -0.002 min
Response: 104375870
Conc: 49.99 ng/ml



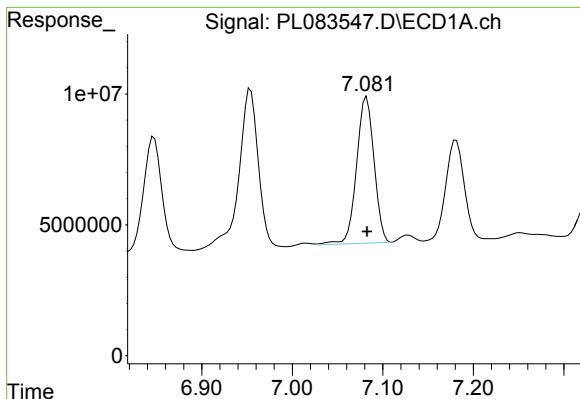
#18 Endrin aldehyde

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 59369677
Conc: 40.05 ng/ml m



#18 Endrin aldehyde

R.T.: 6.130 min
Delta R.T.: -0.001 min
Response: 76742311
Conc: 40.60 ng/ml



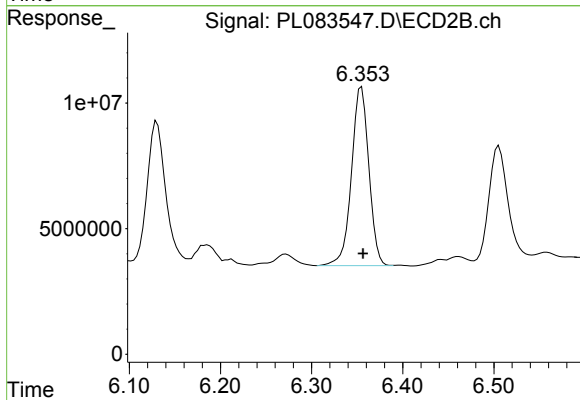
#19 Endosulfan Sulfate

R.T.: 7.082 min
Delta R.T.: 0.000 min
Response: 74981225
Conc: 39.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

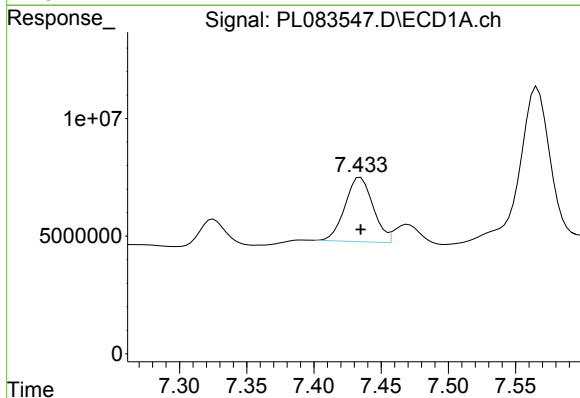
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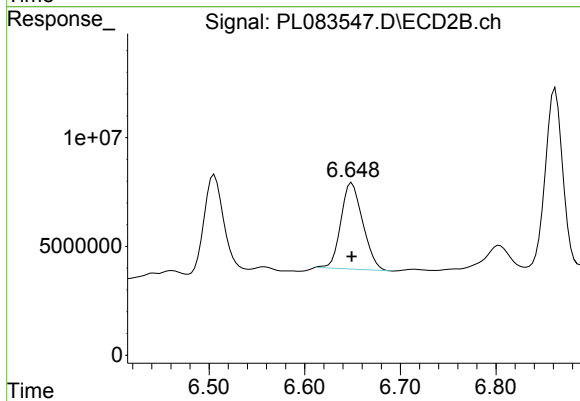
#19 Endosulfan Sulfate

R.T.: 6.355 min
Delta R.T.: -0.002 min
Response: 94157496
Conc: 38.88 ng/ml



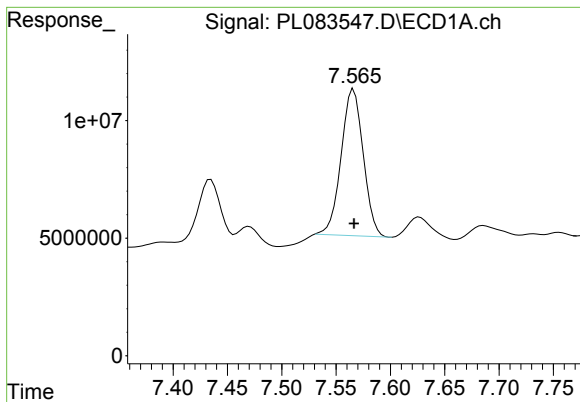
#20 Methoxychlor

R.T.: 7.435 min
Delta R.T.: 0.000 min
Response: 39678941
Conc: 43.74 ng/ml



#20 Methoxychlor

R.T.: 6.649 min
Delta R.T.: 0.000 min
Response: 62795832
Conc: 52.11 ng/ml



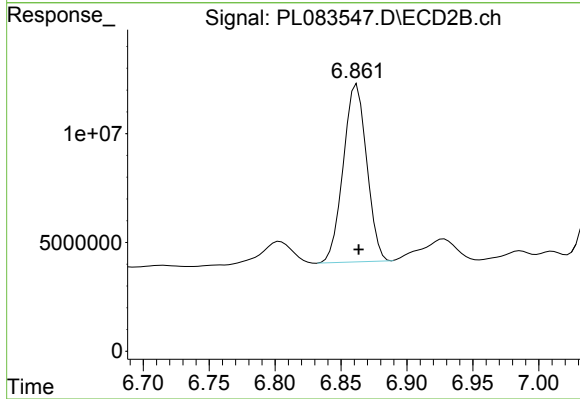
#21 Endrin ketone

R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 88427542
Conc: 41.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

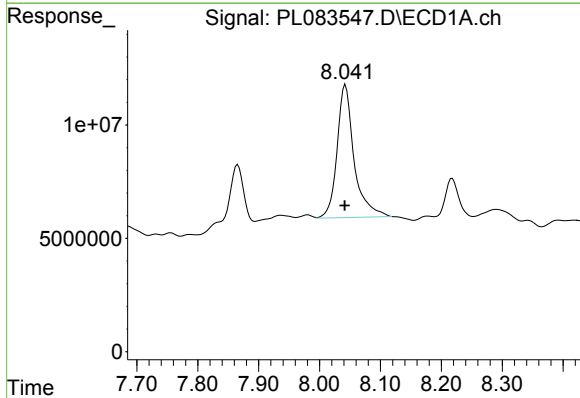
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2023
Supervised By :Ankita Jodhani 06/20/2023



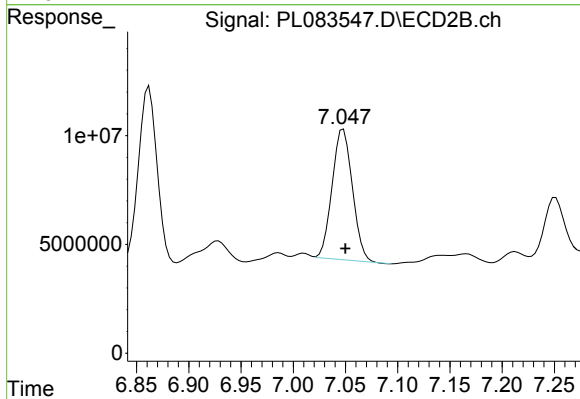
#21 Endrin ketone

R.T.: 6.862 min
Delta R.T.: -0.001 min
Response: 100812899
Conc: 35.86 ng/ml



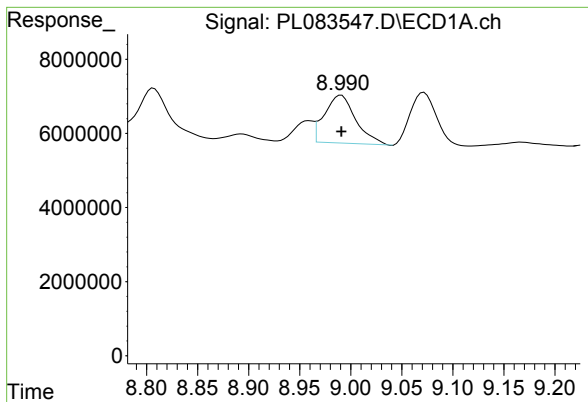
#22 Mirex

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 113750142
Conc: 60.95 ng/ml m



#22 Mirex

R.T.: 7.048 min
Delta R.T.: -0.002 min
Response: 81276388
Conc: 33.77 ng/ml



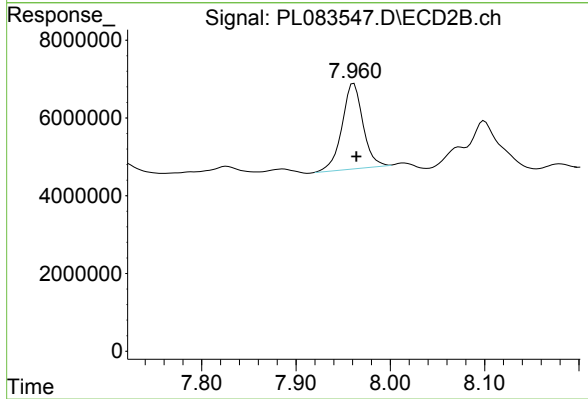
#28 Decachlorobiphenyl

R.T.: 8.990 min
Delta R.T.: -0.001 min
Response: 26960514
Conc: 14.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TOPSOIL-OU3-DENALI-1MSD

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#28 Decachlorobiphenyl

R.T.: 7.961 min
Delta R.T.: -0.003 min
Response: 33941360
Conc: 13.82 ng/ml