

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP110420\  
 Data File : PP031132.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 04 Nov 2020 22:34  
 Operator : DD\AJ  
 Sample : L4214-01  
 Misc : AR1221 LOD 40 PPB  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2020

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 05 05:10:15 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP110420.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Nov 04 08:24:38 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.800  | 4.074  | 1073905 | 1039263 | 16.078 | 15.635  |
| 2)                          | SA Decachlor... | 10.680 | 9.395  | 706809  | 781423  | 17.677 | 18.714  |
| Target Compounds            |                 |        |        |         |         |        |         |
| 3)                          | L1 AR-1016-1    | 6.137f | 5.357f | 5359    | 5995    | 2.752  | 3.231   |
| 4)                          | L1 AR-1016-2    | 6.137  | 5.357  | 5359    | 5995    | 1.877  | 2.205   |
| 5)                          | L1 AR-1016-3    | 6.194  | 0.000  | 2977    | 0       | 1.709  | N.D. #  |
| 8)                          | L2 AR-1221-1    | 5.044  | 4.331  | 12750   | 10305   | 21.114 | 18.297  |
| 9)                          | L2 AR-1221-2    | 5.145  | 4.430  | 20993   | 17374   | 46.737 | 41.878  |
| 10)                         | L2 AR-1221-3    | 5.228  | 4.521  | 25315   | 23581   | 18.757 | 17.981  |
| 11)                         | L3 AR-1232-1    | 5.228  | 4.521  | 25315   | 23581   | 20.699 | 19.686  |
| 12)                         | L3 AR-1232-2    | 5.809  | 5.357  | 5694    | 5995    | 9.376  | 5.641 # |
| 13)                         | L3 AR-1232-3    | 6.137  | 0.000  | 5359    | 0       | 4.797  | N.D. #  |
| 16)                         | L4 AR-1242-1    | 6.137f | 5.357f | 5359    | 5995    | 3.989  | 4.658   |
| 17)                         | L4 AR-1242-2    | 6.137  | 5.357  | 5359    | 5995    | 2.744  | 3.210   |
| 18)                         | L4 AR-1242-3    | 6.194  | 0.000  | 2977    | 0       | 2.441  | N.D. #  |
| 20)                         | L4 AR-1242-5    | 7.065  | 6.234f | 2253    | 3861    | 2.361  | 3.878 # |
| 21)                         | L5 AR-1248-1    | 6.137f | 5.357f | 5359    | 5995    | 5.557  | 6.479   |
| 24)                         | L5 AR-1248-4    | 7.039  | 0.000  | 3659    | 0       | 2.401  | N.D. #  |
| 25)                         | L5 AR-1248-5    | 7.065f | 6.234f | 2253    | 3861    | 1.485  | 3.057 # |
| 26)                         | L6 AR-1254-1    | 7.015  | 6.234f | 16999   | 3861    | 12.108 | 1.963 # |
| 27)                         | L6 AR-1254-2    | 7.245  | 0.000  | 9776    | 0       | 4.690  | N.D. #  |
| 28)                         | L6 AR-1254-3    | 7.622  | 0.000  | 104384  | 0       | 45.226 | N.D. #  |
| 29)                         | L6 AR-1254-4    | 7.914  | 0.000  | 8104    | 0       | 4.950  | N.D. #  |
| 30)                         | L6 AR-1254-5    | 8.353  | 7.481f | 3315    | 697     | 1.964  | 0.318 # |
| 33)                         | L7 AR-1260-3    | 8.431  | 0.000  | 695     | 0       | 0.422  | N.D. #  |
| 35)                         | L7 AR-1260-5    | 8.959  | 8.003  | 2930    | 3165    | 0.777  | 0.703   |
| 36)                         | L8 AR-1262-1    | 8.431  | 7.481f | 695     | 697     | 0.346  | 0.300   |
| 37)                         | L8 AR-1262-2    | 8.959  | 8.003  | 2930    | 3165    | 0.806  | 0.764   |
| 38)                         | L8 AR-1262-3    | 9.253  | 0.000  | 1592    | 0       | 0.616  | N.D. #  |
| 39)                         | L8 AR-1262-4    | 9.344  | 8.352  | 5913    | 843     | 2.872  | 0.266 # |
| 40)                         | L8 AR-1262-5    | 9.996f | 0.000  | 7499    | 0       | 5.294  | N.D. #  |
| 41)                         | L9 AR-1268-1    | 9.253  | 0.000  | 1592    | 0       | 0.364  | N.D. #  |
| 42)                         | L9 AR-1268-2    | 9.344  | 8.352  | 5913    | 843     | 1.375  | 0.177 # |
| 43)                         | L9 AR-1268-3    | 9.572  | 8.602f | 2644    | 1729    | 0.731  | 0.432 # |
| 44)                         | L9 AR-1268-4    | 9.996f | 0.000  | 7499    | 0       | 4.735  | N.D. #  |
| 45)                         | L9 AR-1268-5    | 10.368 | 9.148  | 36298   | 1310    | 3.035  | 0.098 # |
| -----                       |                 |        |        |         |         |        |         |

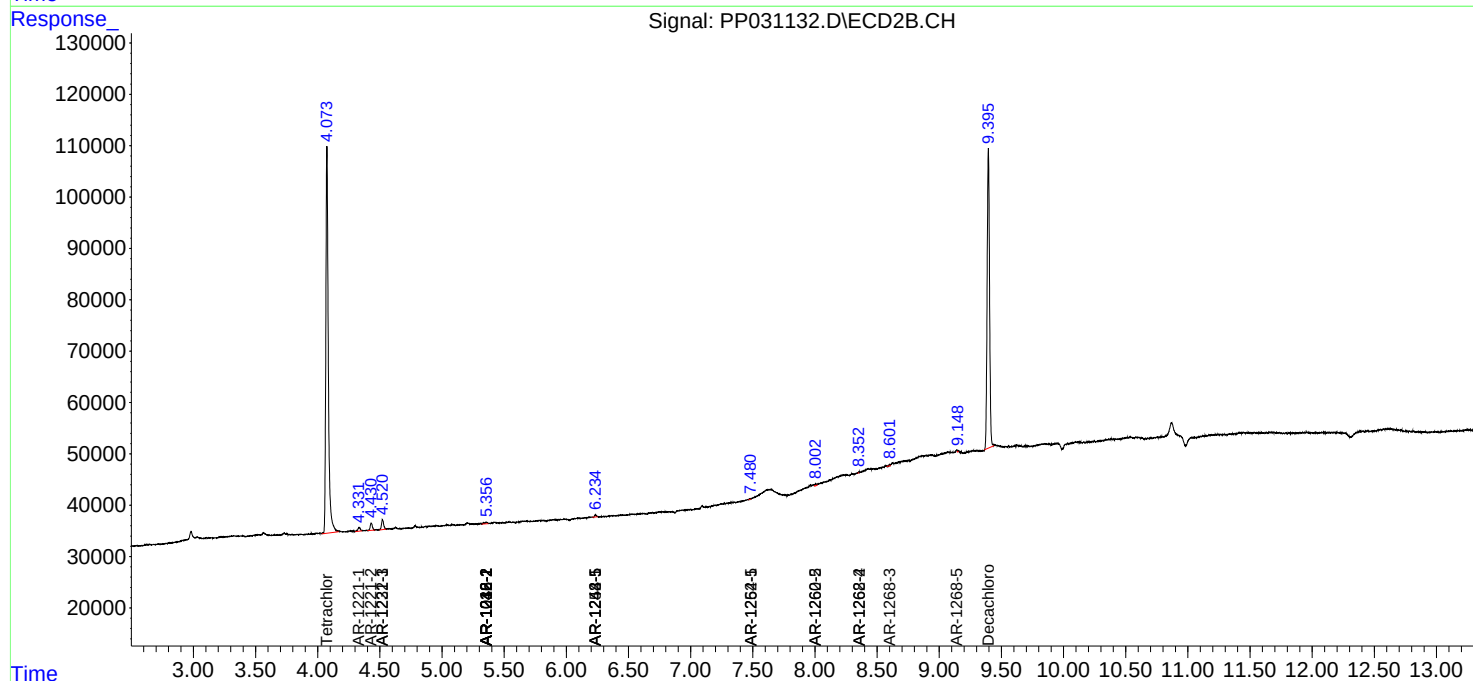
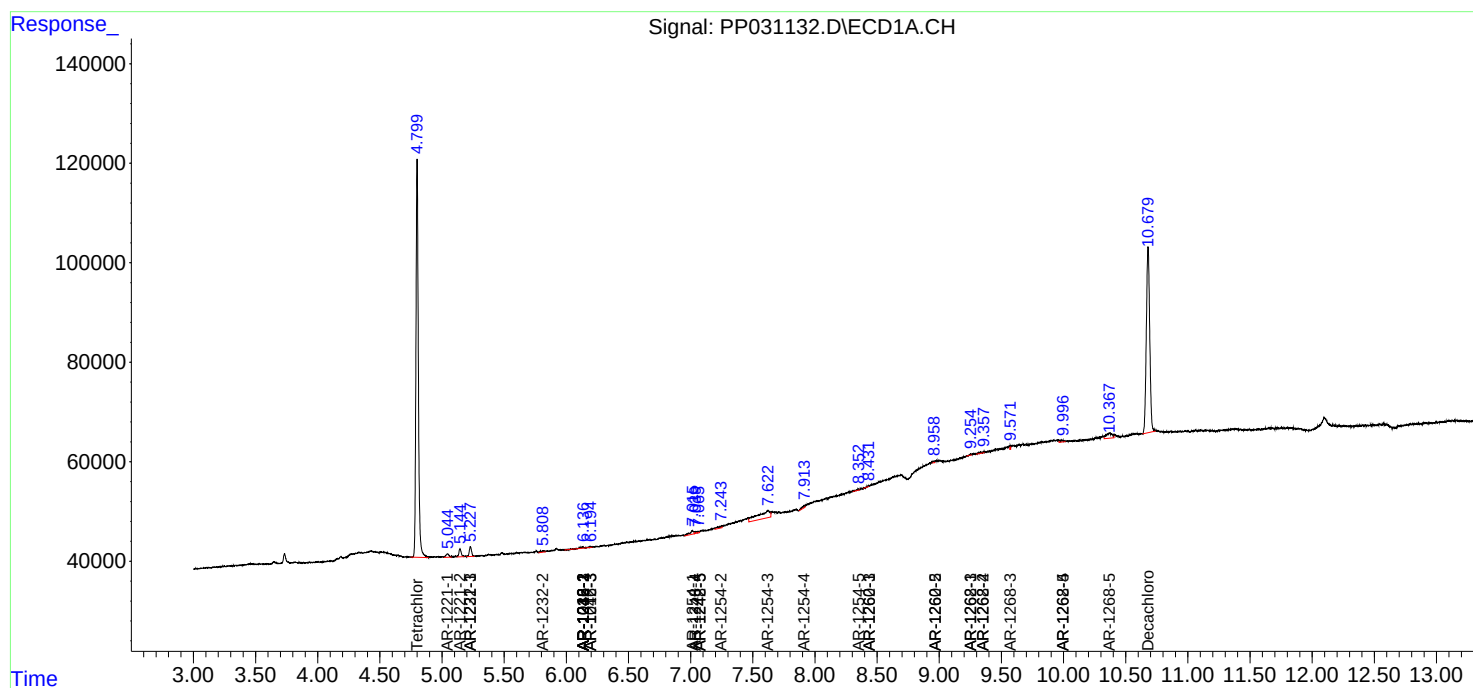
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

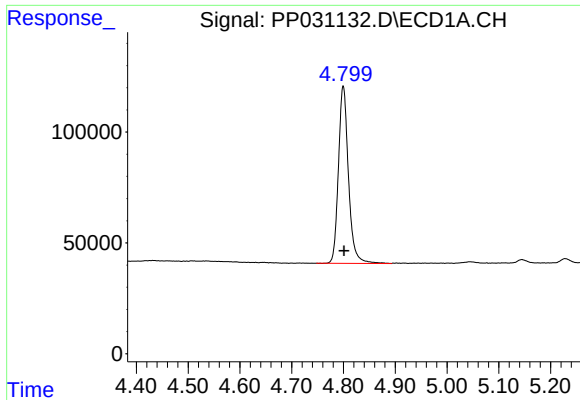
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP110420\  
Data File : PP031132.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 04 Nov 2020 22:34  
Operator : DD\AJ  
Sample : L4214-01  
Misc : AR1221 LOD 40 PPB  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 05 05:10:15 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP110420.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Nov 04 08:24:38 2020  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

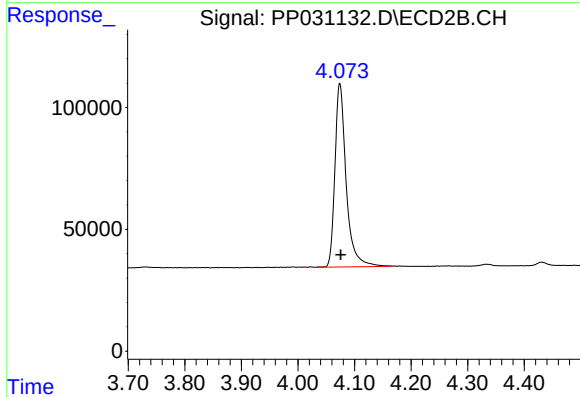




#1 Tetrachloro-m-xylene

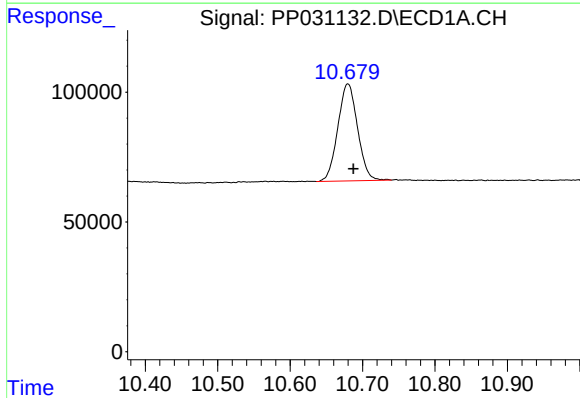
R.T.: 4.800 min  
Delta R.T.: -0.001 min  
Response: 1073905  
Conc: 16.08 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



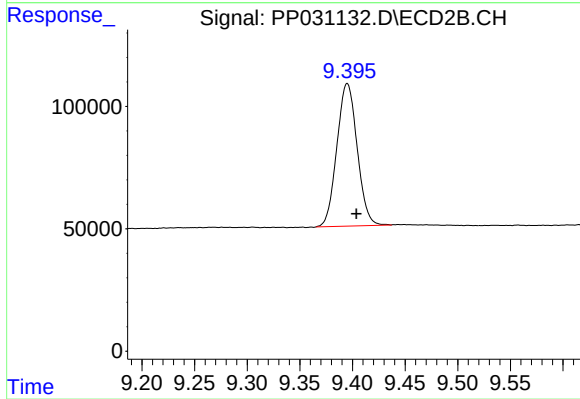
#1 Tetrachloro-m-xylene

R.T.: 4.074 min  
Delta R.T.: -0.002 min  
Response: 1039263  
Conc: 15.64 ng/ml



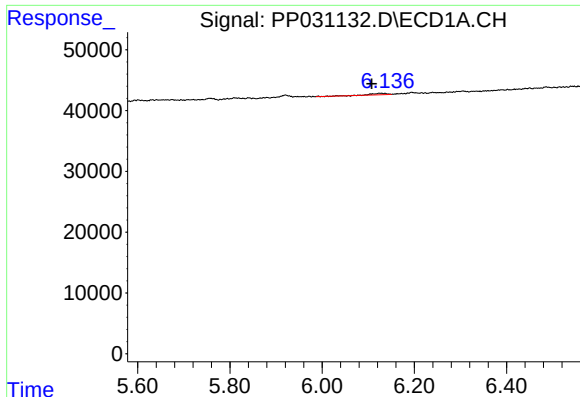
#2 Decachlorobiphenyl

R.T.: 10.680 min  
Delta R.T.: -0.008 min  
Response: 706809  
Conc: 17.68 ng/ml



#2 Decachlorobiphenyl

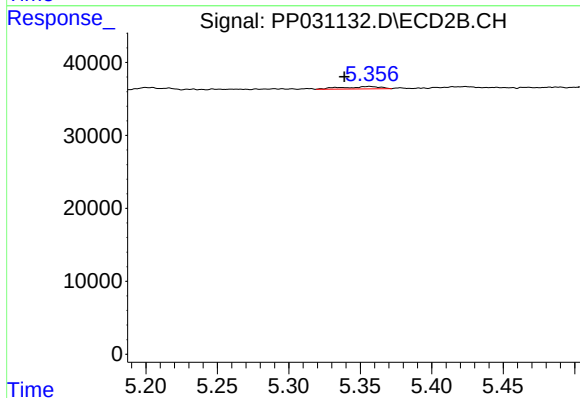
R.T.: 9.395 min  
Delta R.T.: -0.009 min  
Response: 781423  
Conc: 18.71 ng/ml



#3 AR-1016-1

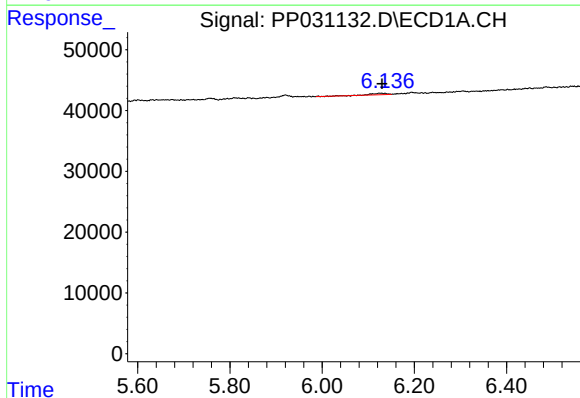
R.T.: 6.137 min  
Delta R.T.: 0.029 min  
Response: 5359  
Conc: 2.75 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



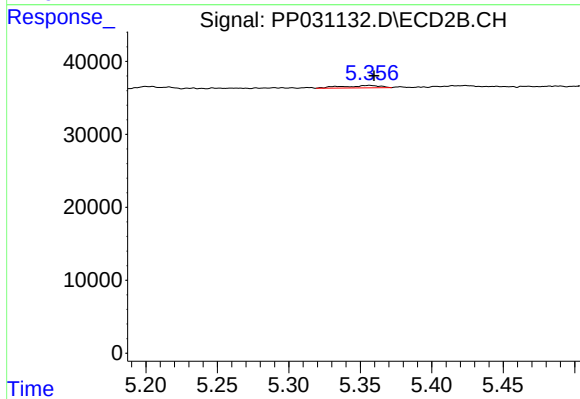
#3 AR-1016-1

R.T.: 5.357 min  
Delta R.T.: 0.018 min  
Response: 5995  
Conc: 3.23 ng/ml



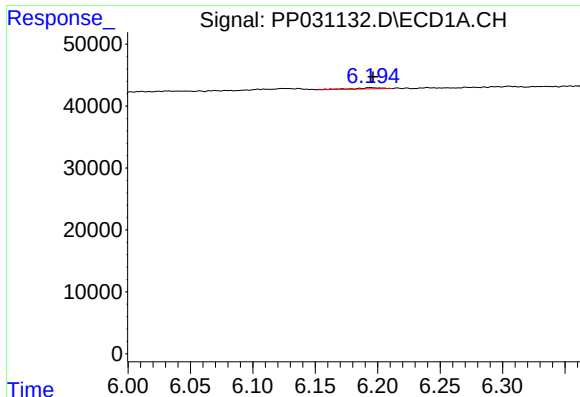
#4 AR-1016-2

R.T.: 6.137 min  
Delta R.T.: 0.006 min  
Response: 5359  
Conc: 1.88 ng/ml



#4 AR-1016-2

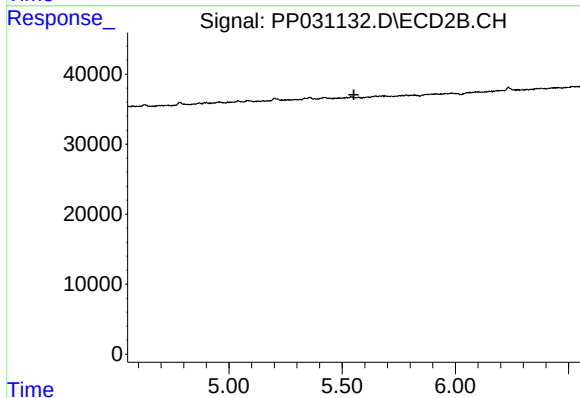
R.T.: 5.357 min  
Delta R.T.: -0.003 min  
Response: 5995  
Conc: 2.21 ng/ml



#5 AR-1016-3

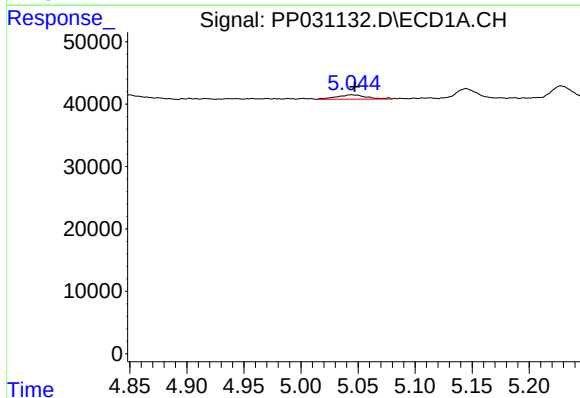
R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 2977  
Conc: 1.71 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



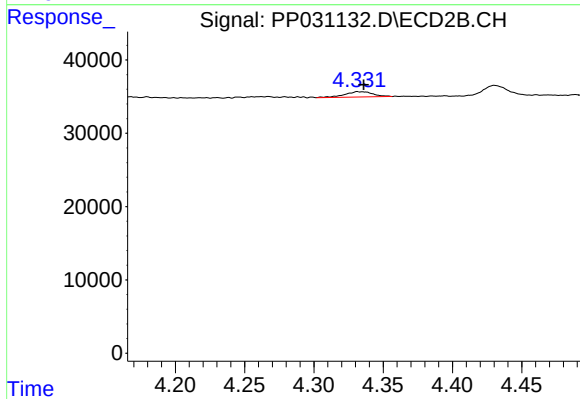
#5 AR-1016-3

R.T.: 0.000 min  
Exp R.T. : 5.552 min  
Response: 0  
Conc: N.D.



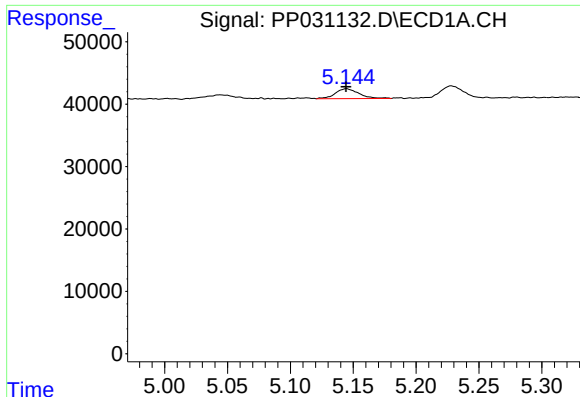
#8 AR-1221-1

R.T.: 5.044 min  
Delta R.T.: -0.003 min  
Response: 12750  
Conc: 21.11 ng/ml



#8 AR-1221-1

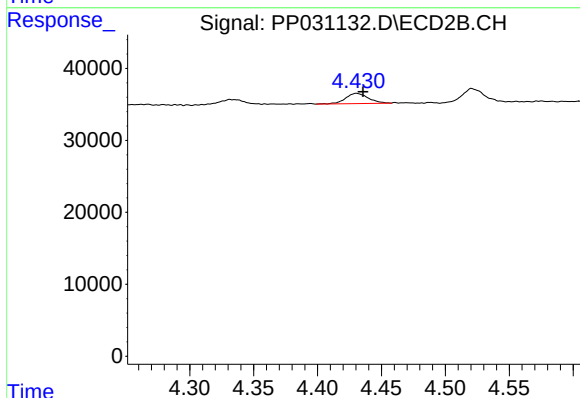
R.T.: 4.331 min  
Delta R.T.: -0.005 min  
Response: 10305  
Conc: 18.30 ng/ml



#9 AR-1221-2

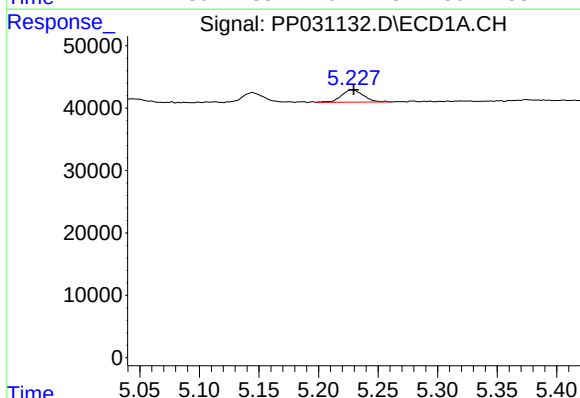
R.T.: 5.145 min  
Delta R.T.: 0.000 min  
Response: 20993  
Conc: 46.74 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



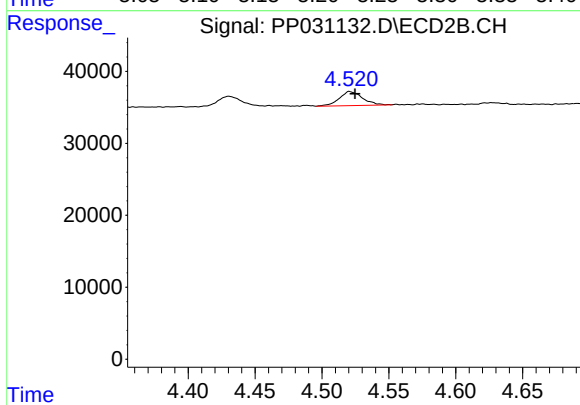
#9 AR-1221-2

R.T.: 4.430 min  
Delta R.T.: -0.005 min  
Response: 17374  
Conc: 41.88 ng/ml



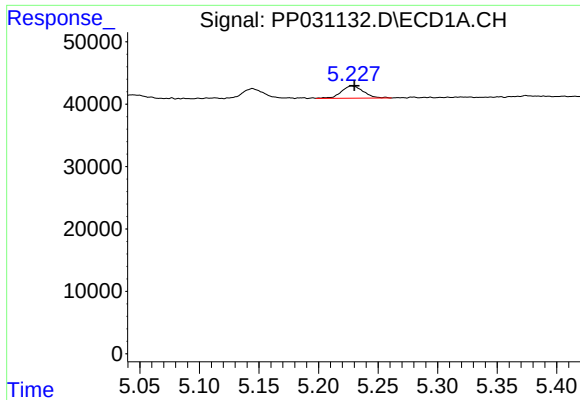
#10 AR-1221-3

R.T.: 5.228 min  
Delta R.T.: -0.002 min  
Response: 25315  
Conc: 18.76 ng/ml



#10 AR-1221-3

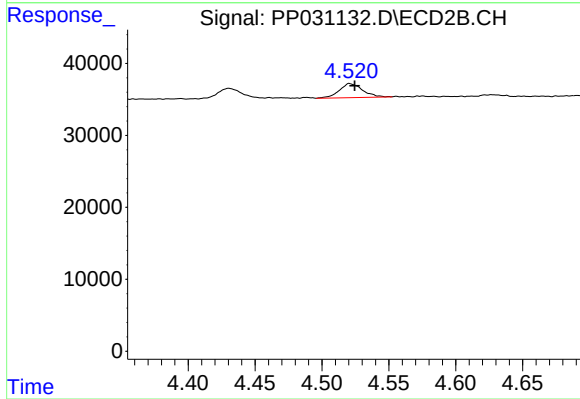
R.T.: 4.521 min  
Delta R.T.: -0.004 min  
Response: 23581  
Conc: 17.98 ng/ml



#11 AR-1232-1

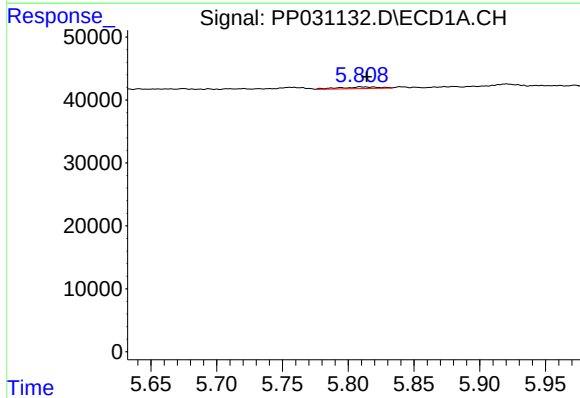
R.T.: 5.228 min  
Delta R.T.: -0.002 min  
Response: 25315  
Conc: 20.70 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



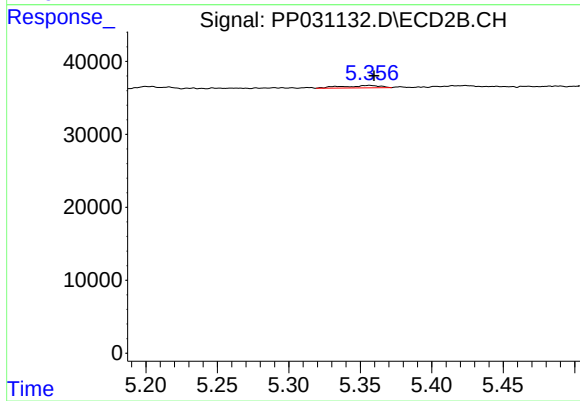
#11 AR-1232-1

R.T.: 4.521 min  
Delta R.T.: -0.004 min  
Response: 23581  
Conc: 19.69 ng/ml



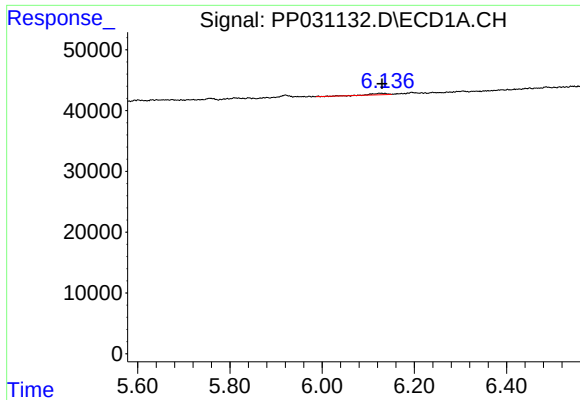
#12 AR-1232-2

R.T.: 5.809 min  
Delta R.T.: -0.005 min  
Response: 5694  
Conc: 9.38 ng/ml



#12 AR-1232-2

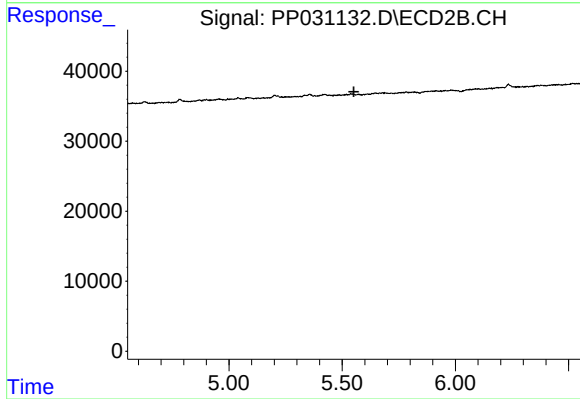
R.T.: 5.357 min  
Delta R.T.: -0.003 min  
Response: 5995  
Conc: 5.64 ng/ml



#13 AR-1232-3

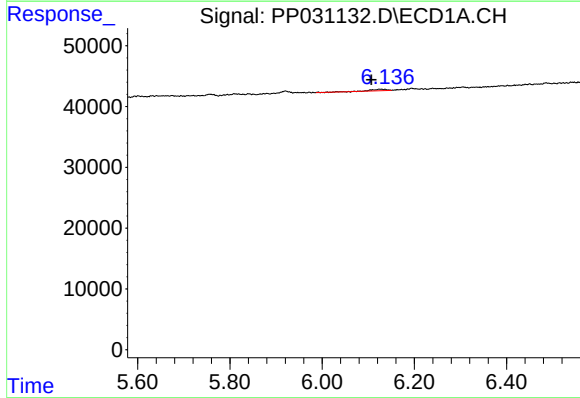
R.T.: 6.137 min  
Delta R.T.: 0.007 min  
Response: 5359  
Conc: 4.80 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



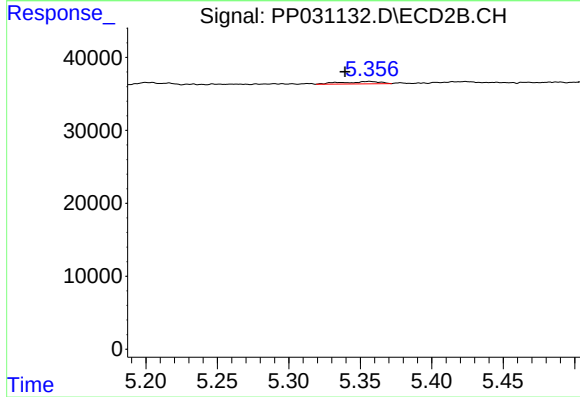
#13 AR-1232-3

R.T.: 0.000 min  
Exp R.T. : 5.551 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

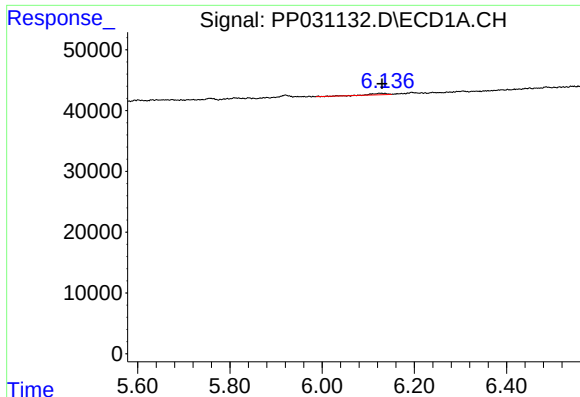
R.T.: 6.137 min  
Delta R.T.: 0.030 min  
Response: 5359  
Conc: 3.99 ng/ml



#16 AR-1242-1

R.T.: 5.357 min  
Delta R.T.: 0.017 min  
Response: 5995  
Conc: 4.66 ng/ml

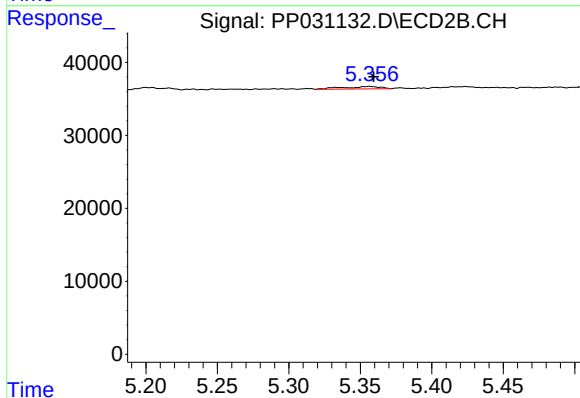




#17 AR-1242-2

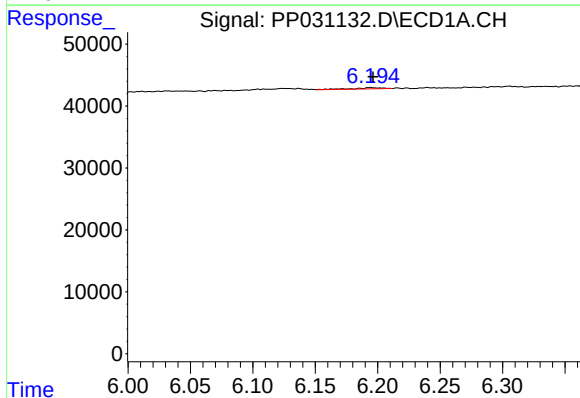
R.T.: 6.137 min  
Delta R.T.: 0.006 min  
Response: 5359  
Conc: 2.74 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



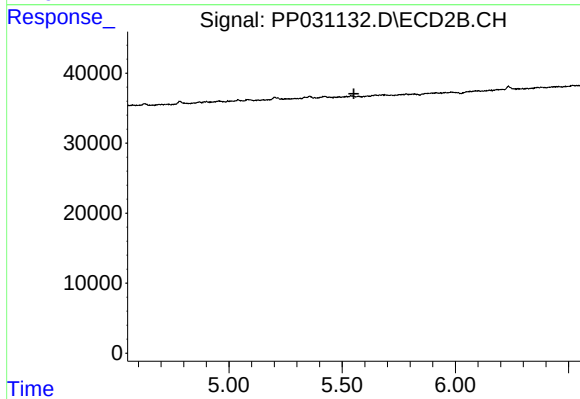
#17 AR-1242-2

R.T.: 5.357 min  
Delta R.T.: -0.003 min  
Response: 5995  
Conc: 3.21 ng/ml



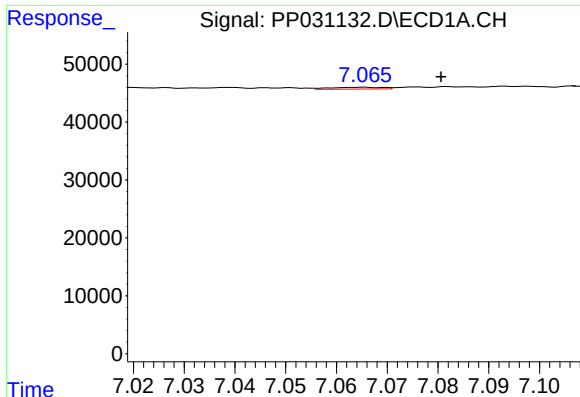
#18 AR-1242-3

R.T.: 6.194 min  
Delta R.T.: -0.002 min  
Response: 2977  
Conc: 2.44 ng/ml



#18 AR-1242-3

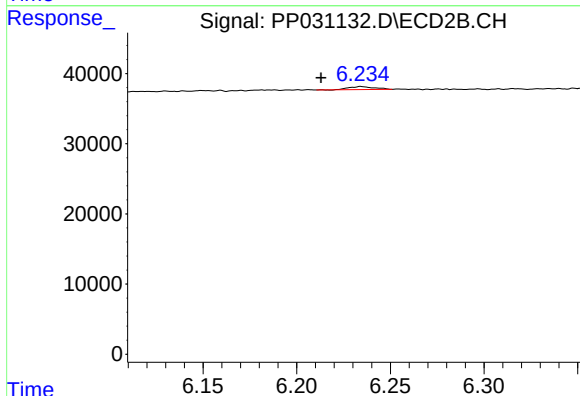
R.T.: 0.000 min  
Exp R.T.: 5.552 min  
Response: 0  
Conc: N.D.



#20 AR-1242-5

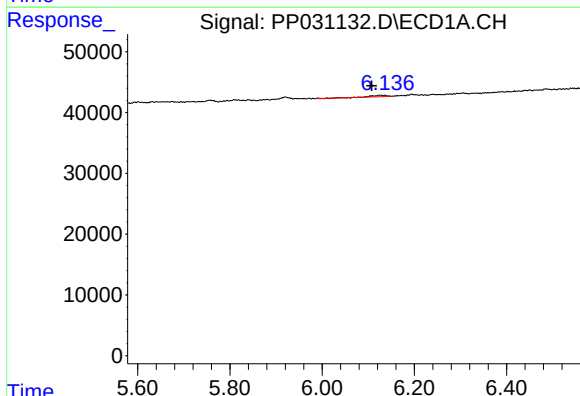
R.T.: 7.065 min  
Delta R.T.: -0.016 min  
Response: 2253  
Conc: 2.36 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



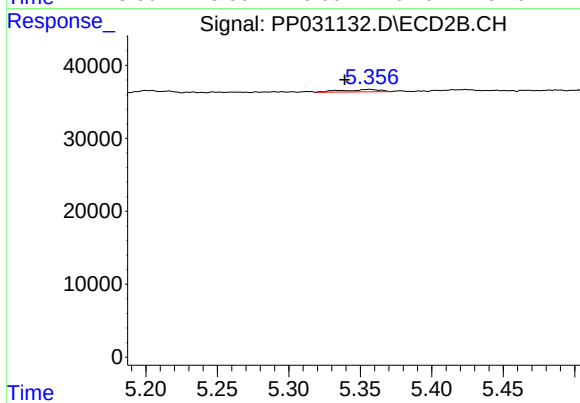
#20 AR-1242-5

R.T.: 6.234 min  
Delta R.T.: 0.021 min  
Response: 3861  
Conc: 3.88 ng/ml



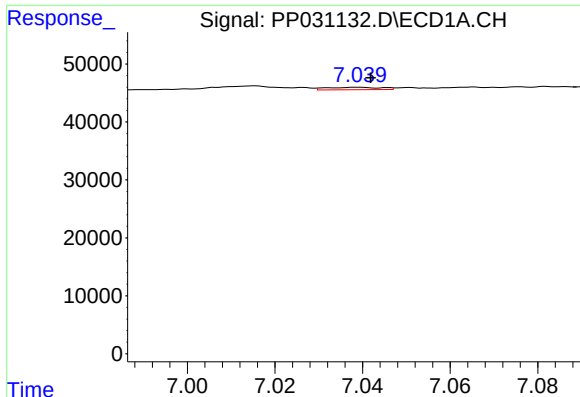
#21 AR-1248-1

R.T.: 6.137 min  
Delta R.T.: 0.029 min  
Response: 5359  
Conc: 5.56 ng/ml



#21 AR-1248-1

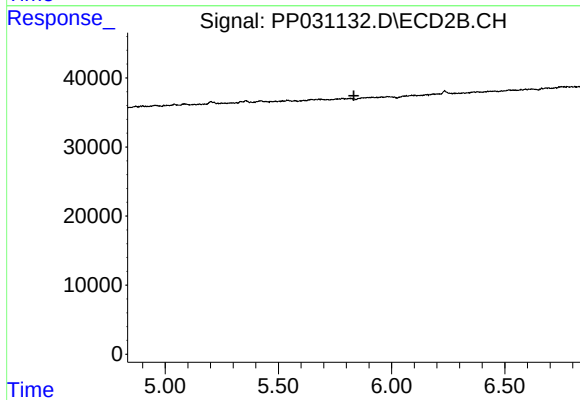
R.T.: 5.357 min  
Delta R.T.: 0.018 min  
Response: 5995  
Conc: 6.48 ng/ml



#24 AR-1248-4

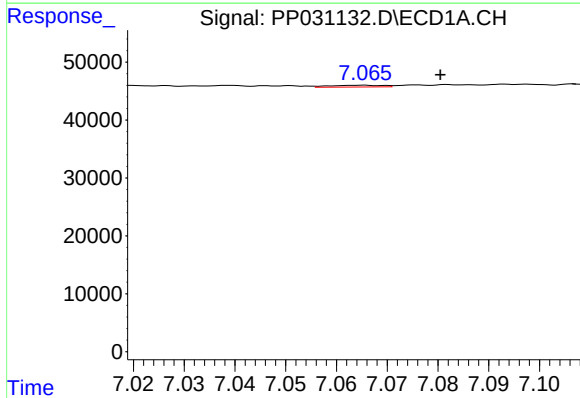
R.T.: 7.039 min  
Delta R.T.: -0.003 min  
Response: 3659  
Conc: 2.40 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



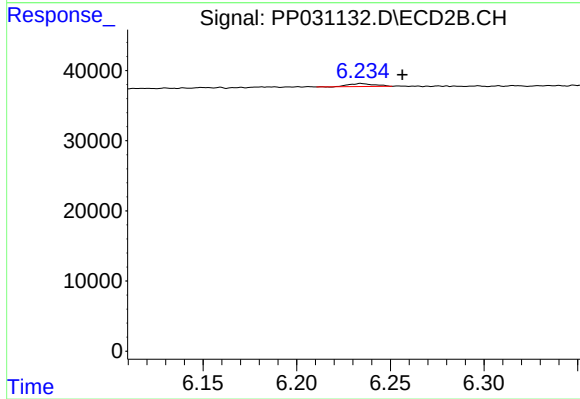
#24 AR-1248-4

R.T.: 0.000 min  
Exp R.T. : 5.833 min  
Response: 0  
Conc: N.D.



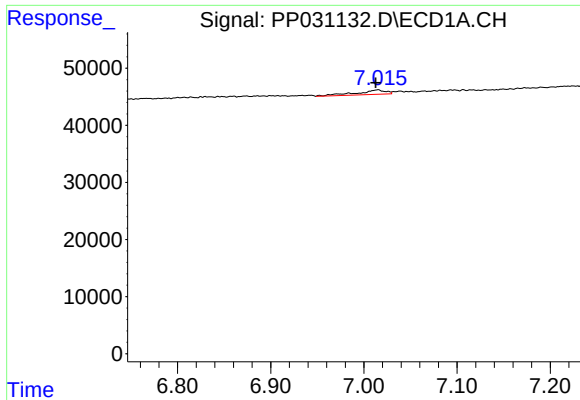
#25 AR-1248-5

R.T.: 7.065 min  
Delta R.T.: -0.016 min  
Response: 2253  
Conc: 1.49 ng/ml



#25 AR-1248-5

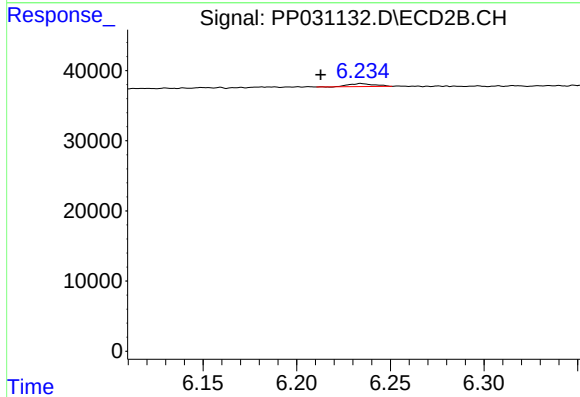
R.T.: 6.234 min  
Delta R.T.: -0.022 min  
Response: 3861  
Conc: 3.06 ng/ml



#26 AR-1254-1

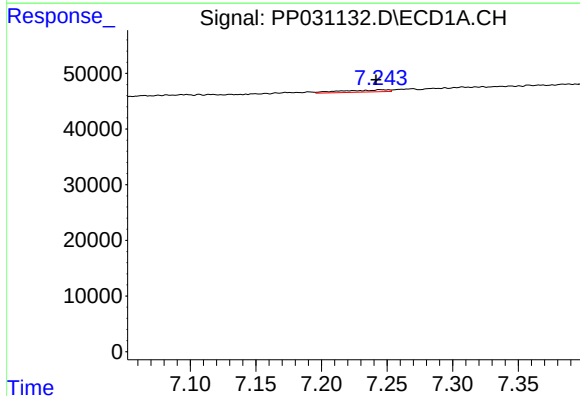
R.T.: 7.015 min  
Delta R.T.: 0.003 min  
Response: 16999  
Conc: 12.11 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



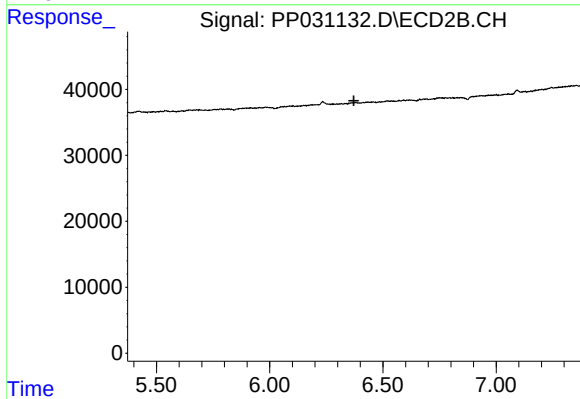
#26 AR-1254-1

R.T.: 6.234 min  
Delta R.T.: 0.021 min  
Response: 3861  
Conc: 1.96 ng/ml



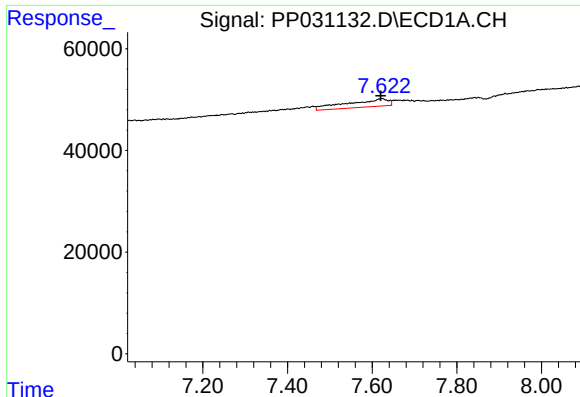
#27 AR-1254-2

R.T.: 7.245 min  
Delta R.T.: 0.003 min  
Response: 9776  
Conc: 4.69 ng/ml



#27 AR-1254-2

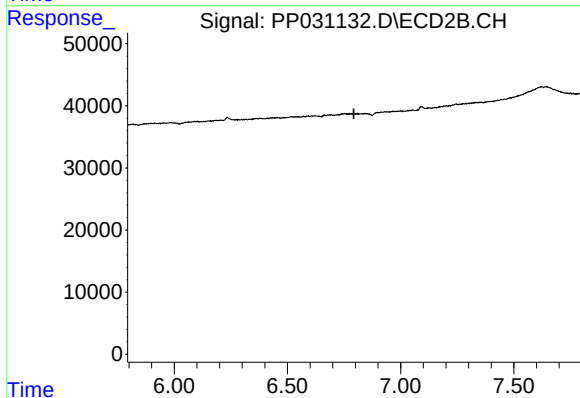
R.T.: 0.000 min  
Exp R.T.: 6.372 min  
Response: 0  
Conc: N.D.



#28 AR-1254-3

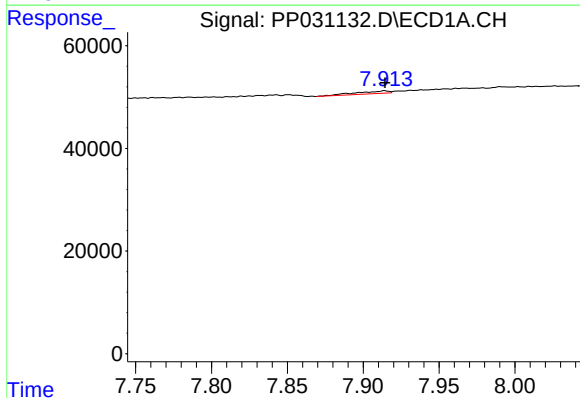
R.T.: 7.622 min  
Delta R.T.: 0.003 min  
Response: 104384  
Conc: 45.23 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



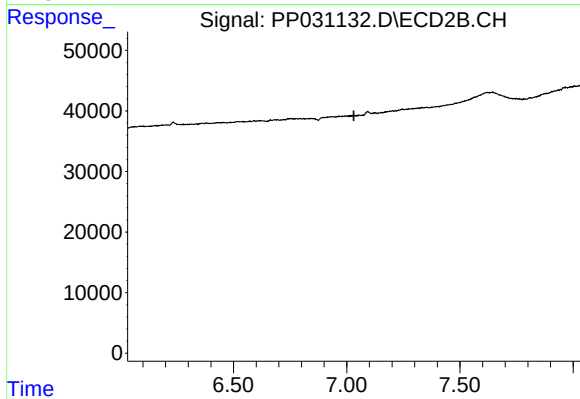
#28 AR-1254-3

R.T.: 0.000 min  
Exp R.T. : 6.793 min  
Response: 0  
Conc: N.D.



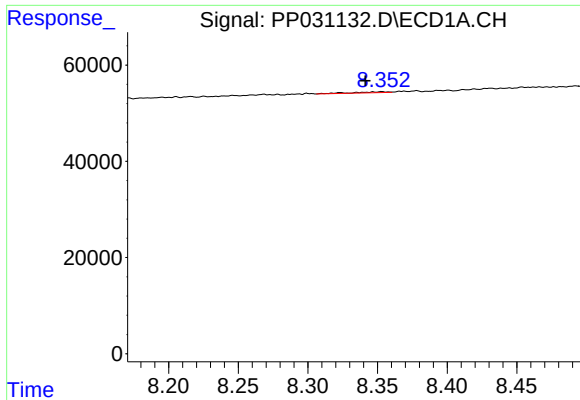
#29 AR-1254-4

R.T.: 7.914 min  
Delta R.T.: 0.000 min  
Response: 8104  
Conc: 4.95 ng/ml



#29 AR-1254-4

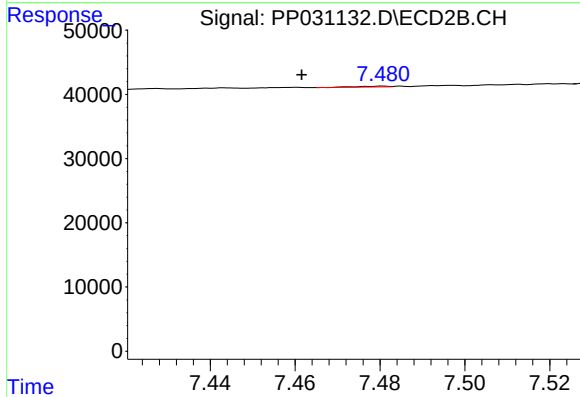
R.T.: 0.000 min  
Exp R.T. : 7.032 min  
Response: 0  
Conc: N.D.



#30 AR-1254-5

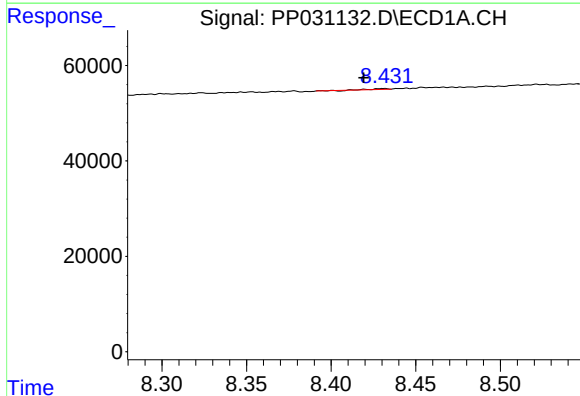
R.T.: 8.353 min  
Delta R.T.: 0.012 min  
Response: 3315  
Conc: 1.96 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



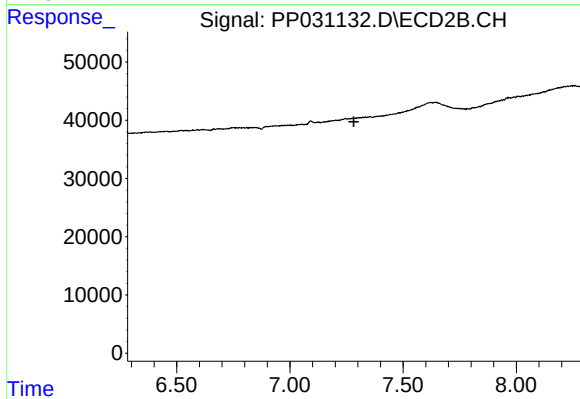
#30 AR-1254-5

R.T.: 7.481 min  
Delta R.T.: 0.019 min  
Response: 697  
Conc: 0.32 ng/ml



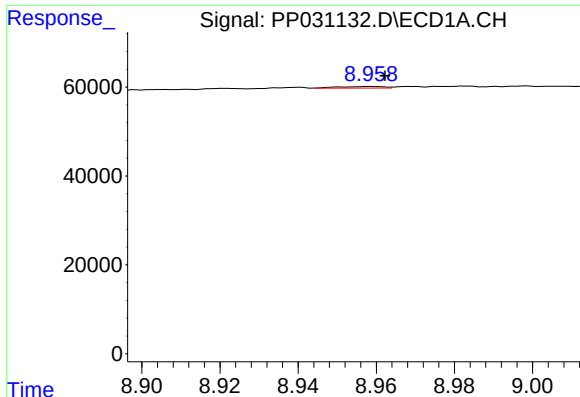
#33 AR-1260-3

R.T.: 8.431 min  
Delta R.T.: 0.012 min  
Response: 695  
Conc: 0.42 ng/ml



#33 AR-1260-3

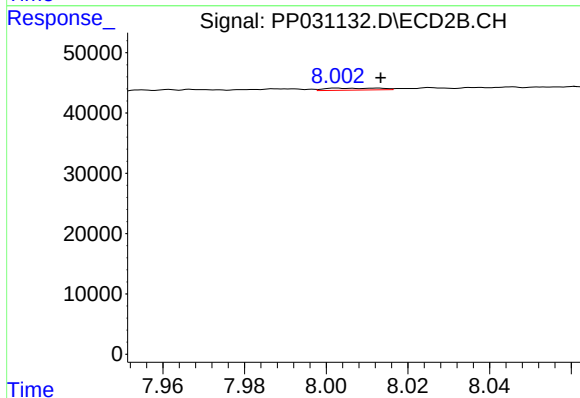
R.T.: 0.000 min  
Exp R.T.: 7.283 min  
Response: 0  
Conc: N.D.



#35 AR-1260-5

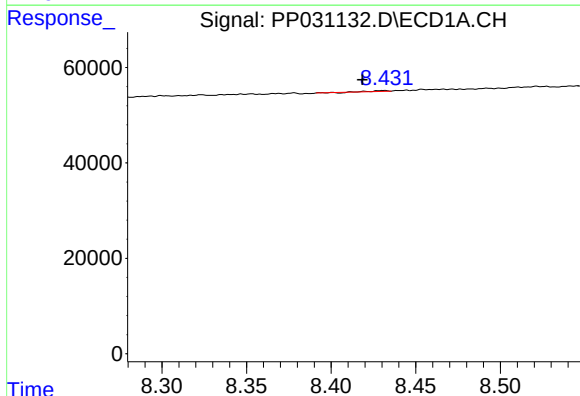
R.T.: 8.959 min  
Delta R.T.: -0.004 min  
Response: 2930  
Conc: 0.78 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



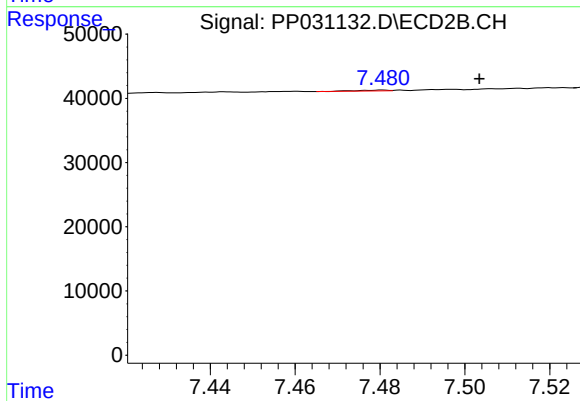
#35 AR-1260-5

R.T.: 8.003 min  
Delta R.T.: -0.011 min  
Response: 3165  
Conc: 0.70 ng/ml



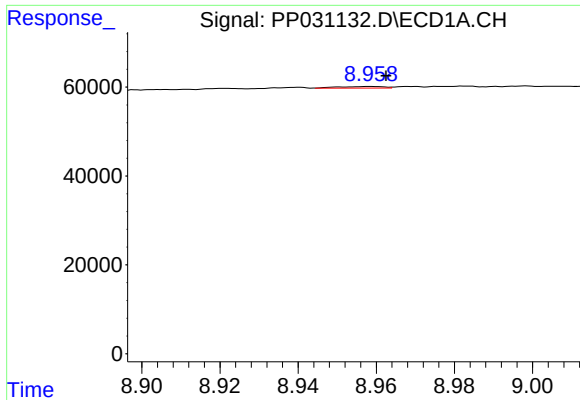
#36 AR-1262-1

R.T.: 8.431 min  
Delta R.T.: 0.013 min  
Response: 695  
Conc: 0.35 ng/ml



#36 AR-1262-1

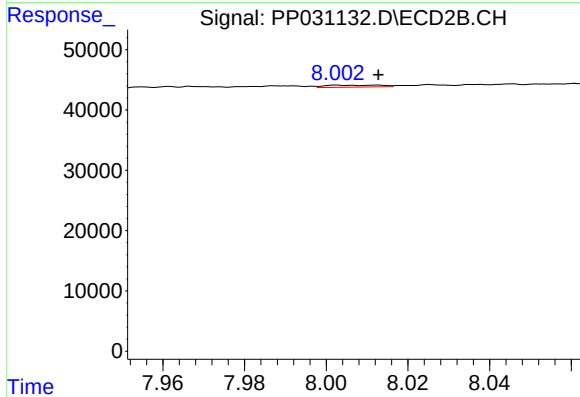
R.T.: 7.481 min  
Delta R.T.: -0.023 min  
Response: 697  
Conc: 0.30 ng/ml



#37 AR-1262-2

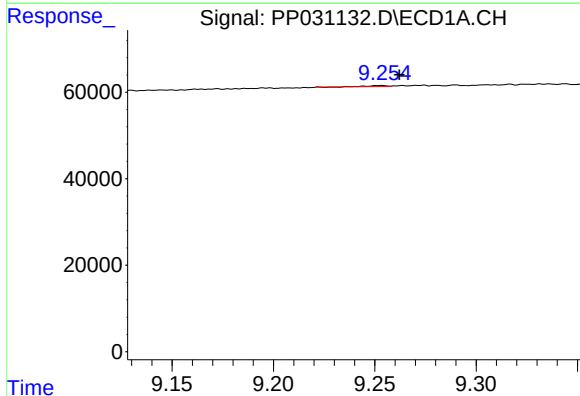
R.T.: 8.959 min  
Delta R.T.: -0.004 min  
Response: 2930  
Conc: 0.81 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



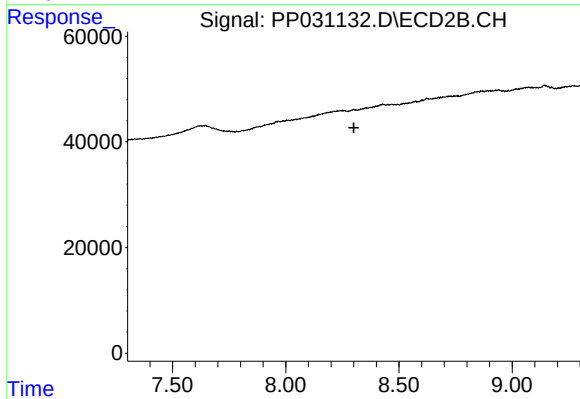
#37 AR-1262-2

R.T.: 8.003 min  
Delta R.T.: -0.010 min  
Response: 3165  
Conc: 0.76 ng/ml



#38 AR-1262-3

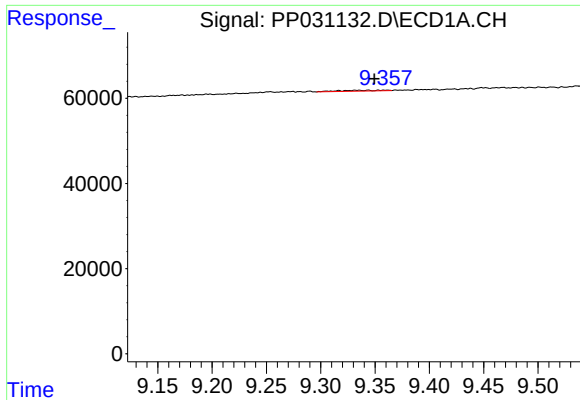
R.T.: 9.253 min  
Delta R.T.: -0.009 min  
Response: 1592  
Conc: 0.62 ng/ml



#38 AR-1262-3

R.T.: 0.000 min  
Exp R.T.: 8.301 min  
Response: 0  
Conc: N.D.

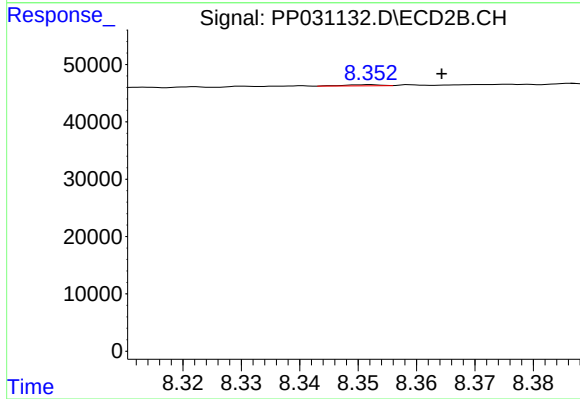




#39 AR-1262-4

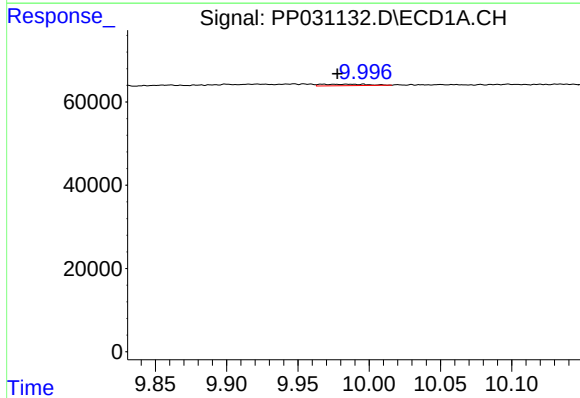
R.T.: 9.344 min  
Delta R.T.: -0.006 min  
Response: 5913  
Conc: 2.87 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



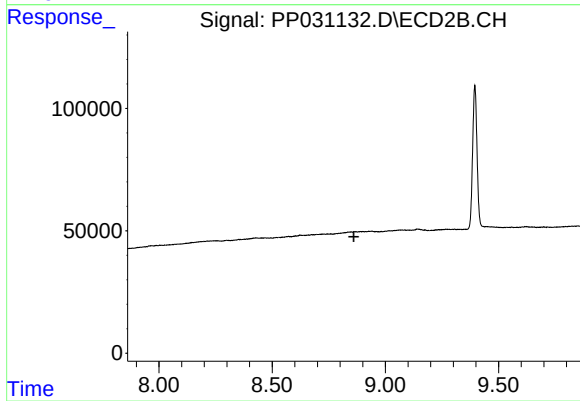
#39 AR-1262-4

R.T.: 8.352 min  
Delta R.T.: -0.012 min  
Response: 843  
Conc: 0.27 ng/ml



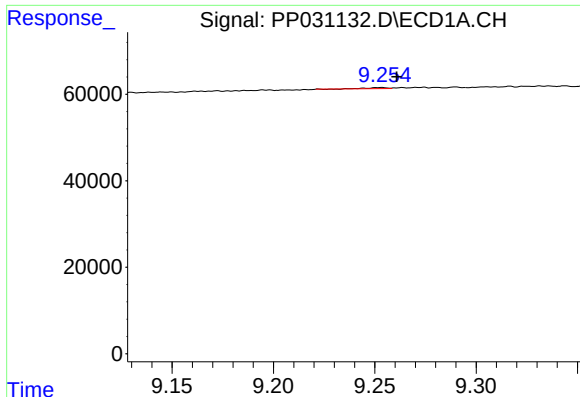
#40 AR-1262-5

R.T.: 9.996 min  
Delta R.T.: 0.018 min  
Response: 7499  
Conc: 5.29 ng/ml



#40 AR-1262-5

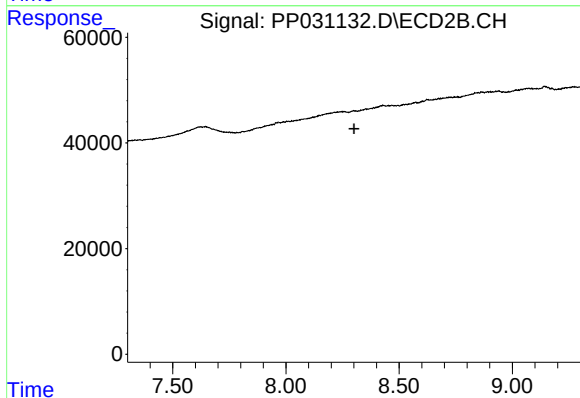
R.T.: 0.000 min  
Exp R.T.: 8.861 min  
Response: 0  
Conc: N.D.



#41 AR-1268-1

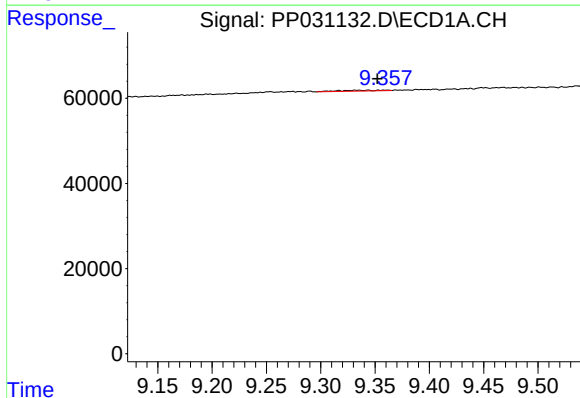
R.T.: 9.253 min  
Delta R.T.: -0.008 min  
Response: 1592  
Conc: 0.36 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



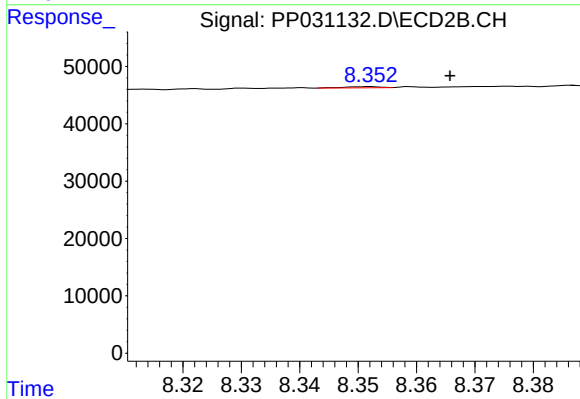
#41 AR-1268-1

R.T.: 0.000 min  
Exp R.T. : 8.300 min  
Response: 0  
Conc: N.D.



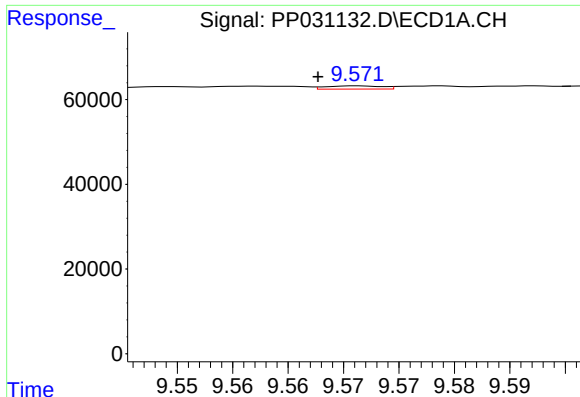
#42 AR-1268-2

R.T.: 9.344 min  
Delta R.T.: -0.008 min  
Response: 5913  
Conc: 1.38 ng/ml



#42 AR-1268-2

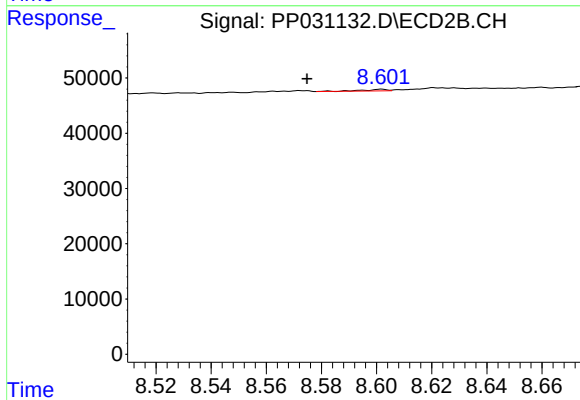
R.T.: 8.352 min  
Delta R.T.: -0.014 min  
Response: 843  
Conc: 0.18 ng/ml



#43 AR-1268-3

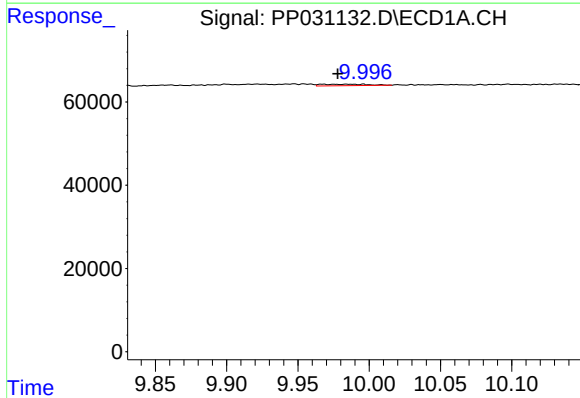
R.T.: 9.572 min  
Delta R.T.: 0.004 min  
Response: 2644  
Conc: 0.73 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



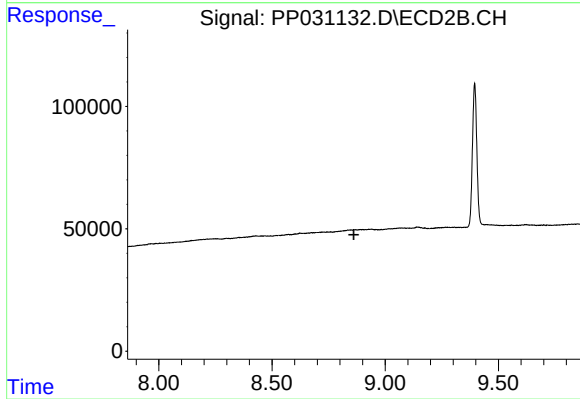
#43 AR-1268-3

R.T.: 8.602 min  
Delta R.T.: 0.027 min  
Response: 1729  
Conc: 0.43 ng/ml



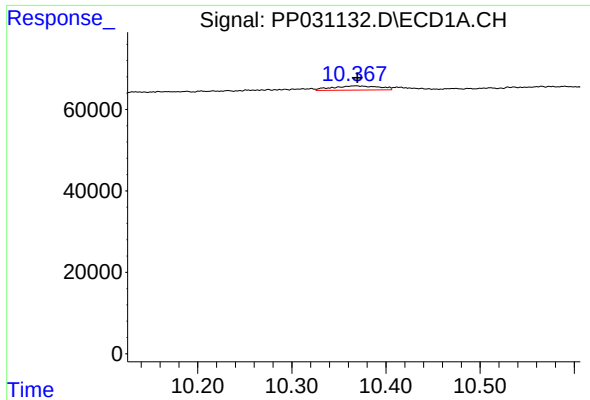
#44 AR-1268-4

R.T.: 9.996 min  
Delta R.T.: 0.018 min  
Response: 7499  
Conc: 4.73 ng/ml



#44 AR-1268-4

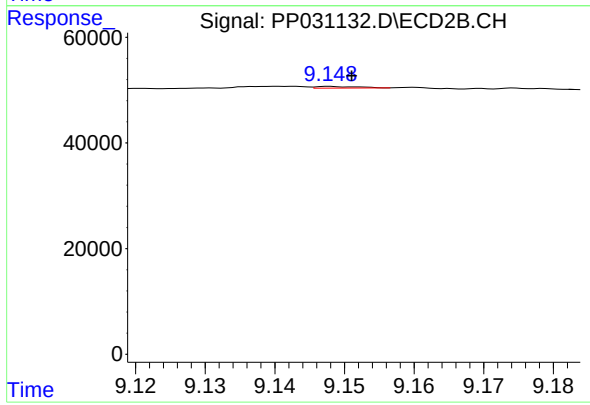
R.T.: 0.000 min  
Exp R.T.: 8.862 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 10.368 min  
Delta R.T.: -0.001 min  
Response: 36298  
Conc: 3.04 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2020



#45 AR-1268-5

R.T.: 9.148 min  
Delta R.T.: -0.003 min  
Response: 1310  
Conc: 0.10 ng/ml