

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Data\PQ110419\  
 Data File : PQ044759.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Nov 2019 13:20  
 Operator : SM\AJ  
 Sample : K5111-07  
 Misc : AR1232 LOD 40 PPB  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_Q  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2019

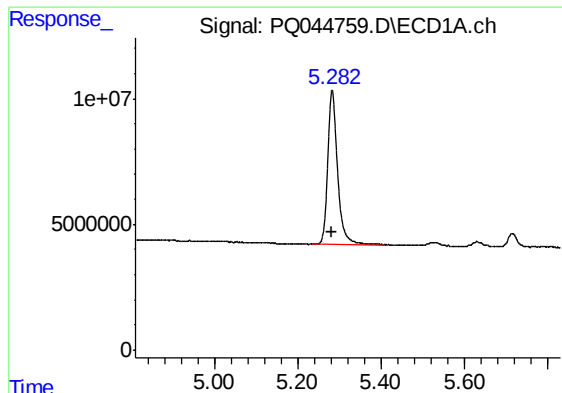
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 04 13:57:34 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_Q\Method\PQ110219.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Mon Nov 04 02:17:09 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

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... | 5.283  | 4.316 | 100.2E6 | 44599571 | 13.456 | 12.440   |
| 2)                          | SA Decachlor... | 11.503 | 9.729 | 111.8E6 | 138.2E6  | 16.911 | 17.369   |
| Target Compounds            |                 |        |       |         |          |        |          |
| 3)                          | L1 AR-1016-1    | 6.601  | 5.595 | 5215597 | 2746616  | 23.229 | 19.567   |
| 4)                          | L1 AR-1016-2    | 6.624  | 5.616 | 7820451 | 4095919  | 23.169 | 19.948   |
| 5)                          | L1 AR-1016-3    | 6.692  | 5.812 | 5004870 | 2072269  | 23.073 | 19.289   |
| 6)                          | L1 AR-1016-4    | 6.799  | 5.860 | 3720335 | 1550962  | 21.510 | 16.388   |
| 7)                          | L1 AR-1016-5    | 7.115  | 6.093 | 4107181 | 3966353  | 22.745 | 31.754 # |
| 8)                          | L2 AR-1221-1    | 5.528  | 4.579 | 2768370 | 1287936  | 35.931 | 33.702   |
| 9)                          | L2 AR-1221-2    | 5.631  | 4.682 | 3511389 | 1595066  | 61.196 | 53.426   |
| 10)                         | L2 AR-1221-3    | 5.714  | 4.772 | 7977500 | 3957240  | 45.353 | 40.933   |
| 11)                         | L3 AR-1232-1    | 5.714  | 4.772 | 7977500 | 3957240  | 33.427 | 30.880   |
| 12)                         | L3 AR-1232-2    | 6.307  | 5.616 | 4046034 | 4095919  | 32.354 | 27.702   |
| 13)                         | L3 AR-1232-3    | 6.624  | 5.812 | 7820451 | 2072269  | 32.423 | 27.043   |
| 14)                         | L3 AR-1232-4    | 6.799  | 5.905 | 3720335 | 1700018  | 30.152 | 23.346   |
| 15)                         | L3 AR-1232-5    | 6.895  | 6.093 | 3343061 | 3966353  | 35.542 | 50.194 # |
| 16)                         | L4 AR-1242-1    | 6.601  | 5.595 | 5215597 | 2746616  | 32.327 | 24.603   |
| 17)                         | L4 AR-1242-2    | 6.624  | 5.616 | 7820451 | 4095919  | 31.269 | 26.088   |
| 18)                         | L4 AR-1242-3    | 6.692  | 5.812 | 5004870 | 2072269  | 31.734 | 24.620   |
| 19)                         | L4 AR-1242-4    | 6.799  | 5.905 | 3720335 | 1700018  | 29.368 | 19.912 # |
| 20)                         | L4 AR-1242-5    | 7.582  | 6.475 | 4264330 | 2790257  | 30.663 | 22.843 # |
| 21)                         | L5 AR-1248-1    | 6.601  | 5.595 | 5215597 | 2746616  | 40.411 | 32.678   |
| 22)                         | L5 AR-1248-2    | 6.895  | 5.860 | 3343061 | 1550962  | 18.153 | 12.893 # |
| 23)                         | L5 AR-1248-3    | 7.115  | 5.905 | 4107181 | 1700018  | 20.151 | 13.820 # |
| 24)                         | L5 AR-1248-4    | 7.541  | 6.093 | 4229139 | 3966353  | 18.626 | 26.531 # |
| 25)                         | L5 AR-1248-5    | 7.582  | 6.519 | 4264330 | 2416153  | 18.853 | 15.326   |
| 26)                         | L6 AR-1254-1    | 7.513  | 6.475 | 3569530 | 2790257  | 15.228 | 11.159 # |
| 27)                         | L6 AR-1254-2    | 7.749  | 0.000 | 3037191 | 0        | 8.358  | N.D. #   |
| 43)                         | L9 AR-1268-3    | 0.000  | 8.844 | 0       | 2530290  | N.D.   | 3.275 #  |
| 45)                         | L9 AR-1268-5    | 0.000  | 9.458 | 0       | 694923   | N.D.   | 0.238 #  |
| -----                       |                 |        |       |         |          |        |          |

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

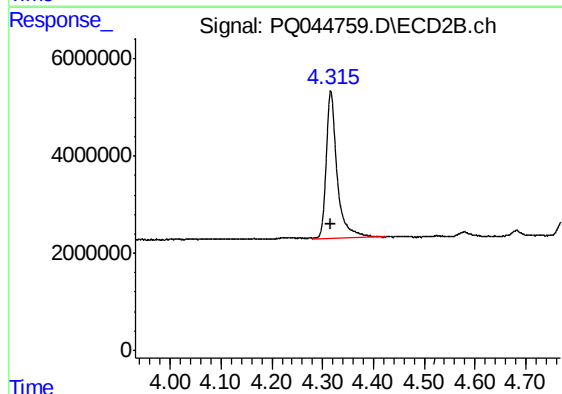




#1 Tetrachloro-m-xylene

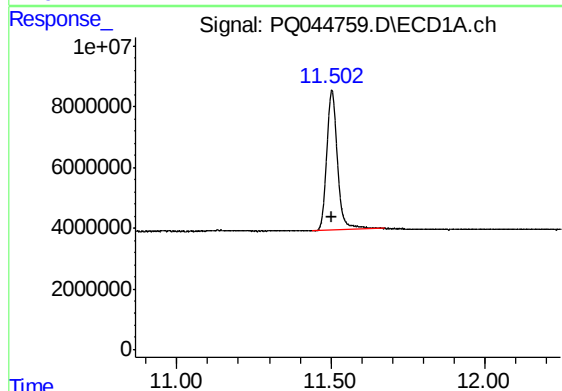
R.T.: 5.283 min  
Delta R.T.: 0.002 min  
Response: 100181427  
Conc: 13.46 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



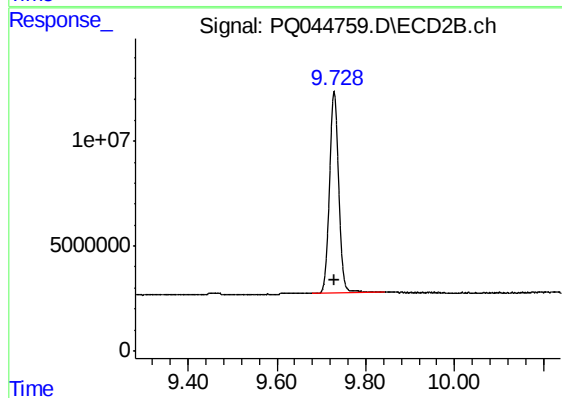
#1 Tetrachloro-m-xylene

R.T.: 4.316 min  
Delta R.T.: 0.000 min  
Response: 44599571  
Conc: 12.44 ng/ml



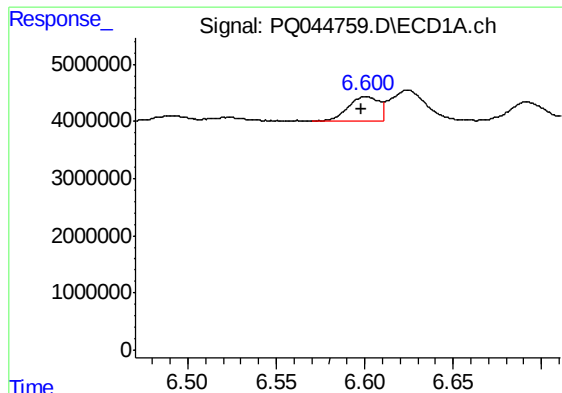
#2 Decachlorobiphenyl

R.T.: 11.503 min  
Delta R.T.: 0.000 min  
Response: 111811502  
Conc: 16.91 ng/ml



#2 Decachlorobiphenyl

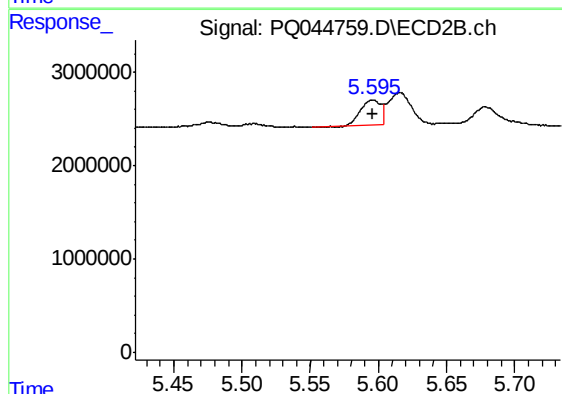
R.T.: 9.729 min  
Delta R.T.: -0.001 min  
Response: 138179068  
Conc: 17.37 ng/ml



#3 AR-1016-1

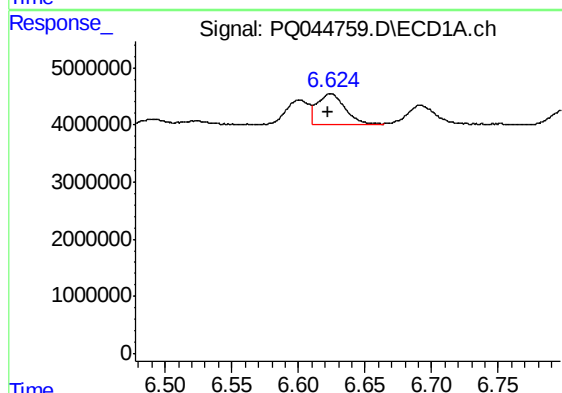
R.T.: 6.601 min  
Delta R.T.: 0.003 min  
Response: 5215597  
Conc: 23.23 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



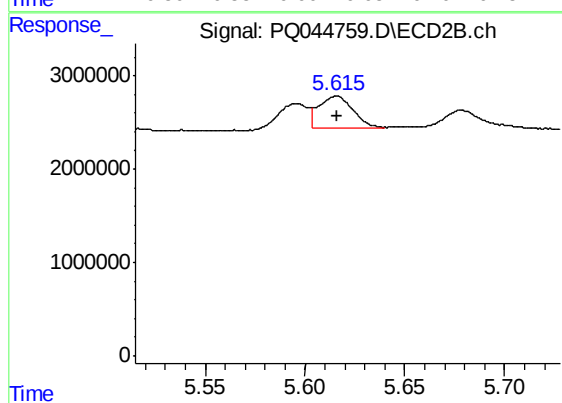
#3 AR-1016-1

R.T.: 5.595 min  
Delta R.T.: 0.000 min  
Response: 2746616  
Conc: 19.57 ng/ml



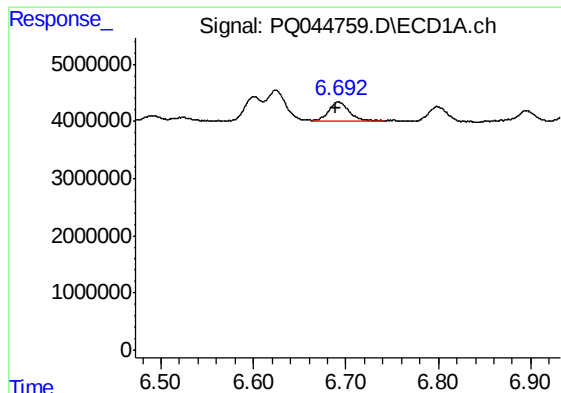
#4 AR-1016-2

R.T.: 6.624 min  
Delta R.T.: 0.003 min  
Response: 7820451  
Conc: 23.17 ng/ml



#4 AR-1016-2

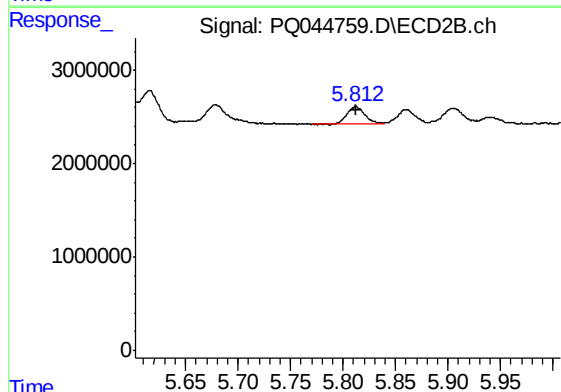
R.T.: 5.616 min  
Delta R.T.: 0.000 min  
Response: 4095919  
Conc: 19.95 ng/ml



#5 AR-1016-3

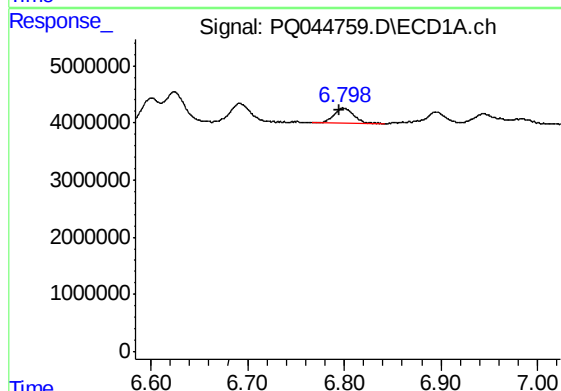
R.T.: 6.692 min  
Delta R.T.: 0.002 min  
Response: 5004870  
Conc: 23.07 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



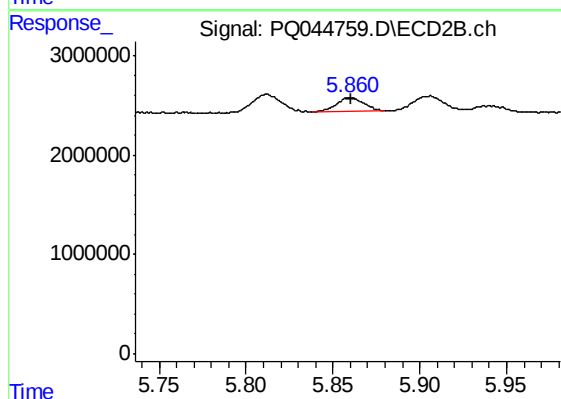
#5 AR-1016-3

R.T.: 5.812 min  
Delta R.T.: 0.000 min  
Response: 2072269  
Conc: 19.29 ng/ml



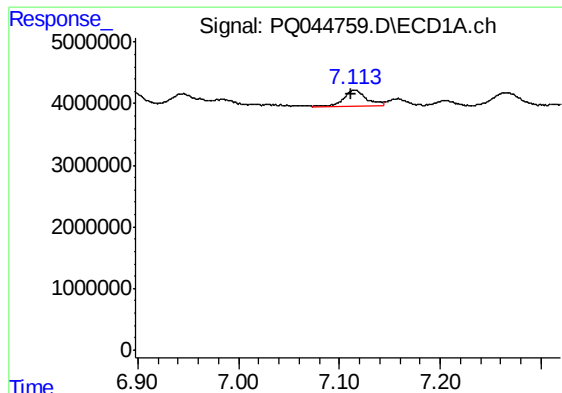
#6 AR-1016-4

R.T.: 6.799 min  
Delta R.T.: 0.003 min  
Response: 3720335  
Conc: 21.51 ng/ml



#6 AR-1016-4

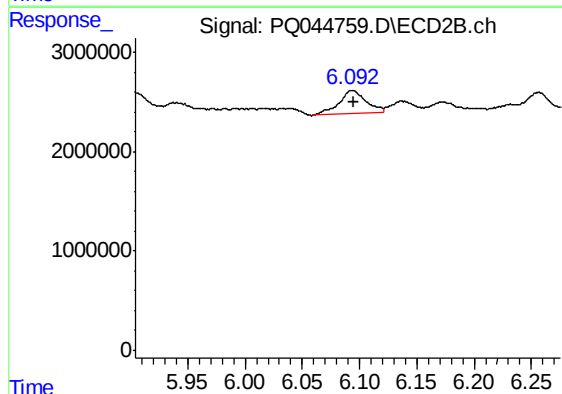
R.T.: 5.860 min  
Delta R.T.: 0.000 min  
Response: 1550962  
Conc: 16.39 ng/ml



#7 AR-1016-5

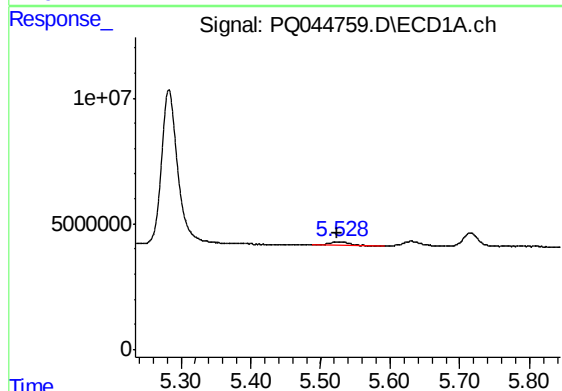
R.T.: 7.115 min  
Delta R.T.: 0.003 min  
Response: 4107181  
Conc: 22.74 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



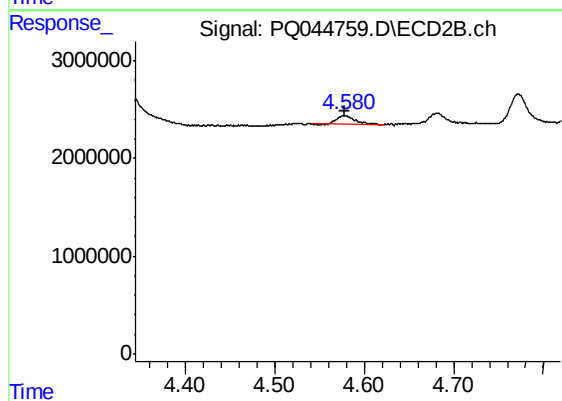
#7 AR-1016-5

R.T.: 6.093 min  
Delta R.T.: -0.002 min  
Response: 3966353  
Conc: 31.75 ng/ml



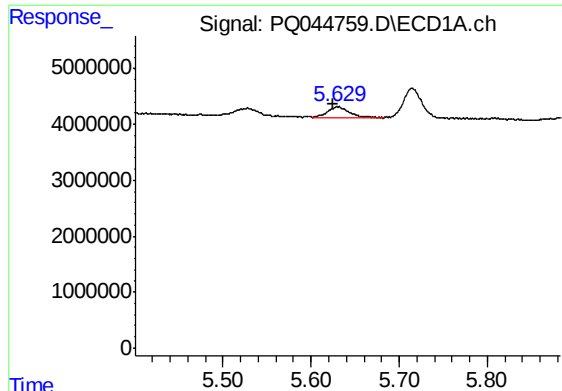
#8 AR-1221-1

R.T.: 5.528 min  
Delta R.T.: 0.003 min  
Response: 2768370  
Conc: 35.93 ng/ml



#8 AR-1221-1

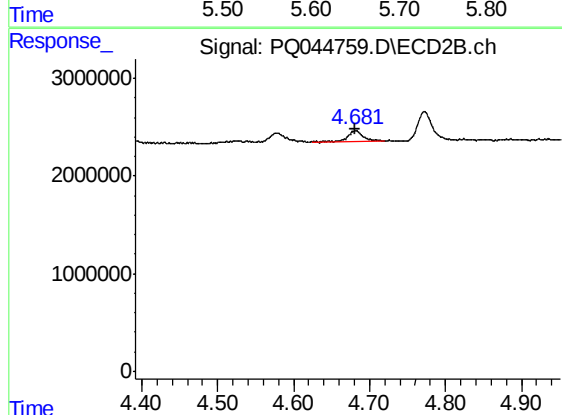
R.T.: 4.579 min  
Delta R.T.: 0.001 min  
Response: 1287936  
Conc: 33.70 ng/ml



#9 AR-1221-2

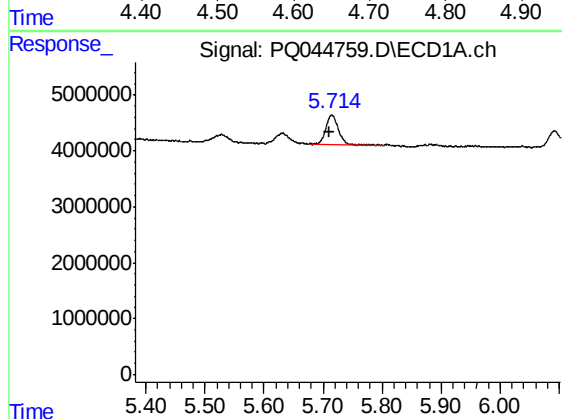
R.T.: 5.631 min  
Delta R.T.: 0.006 min  
Response: 3511389  
Conc: 61.20 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



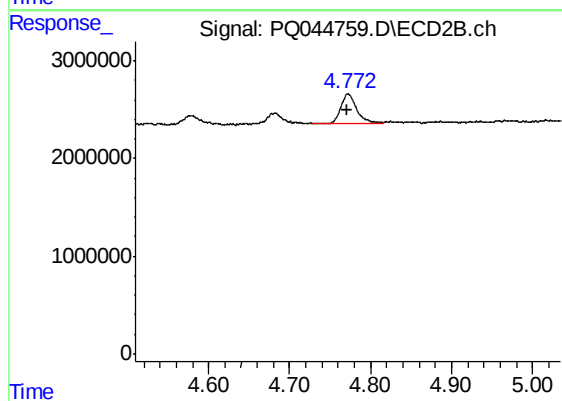
#9 AR-1221-2

R.T.: 4.682 min  
Delta R.T.: 0.001 min  
Response: 1595066  
Conc: 53.43 ng/ml



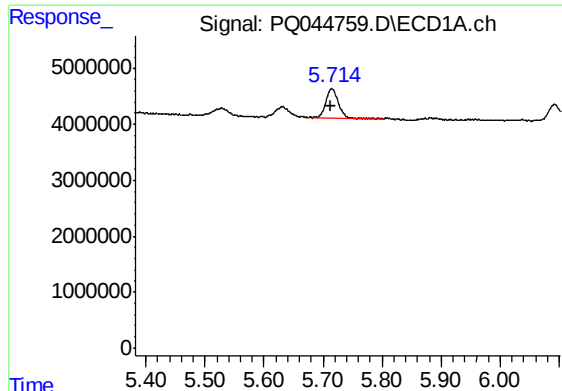
#10 AR-1221-3

R.T.: 5.714 min  
Delta R.T.: 0.003 min  
Response: 7977500  
Conc: 45.35 ng/ml



#10 AR-1221-3

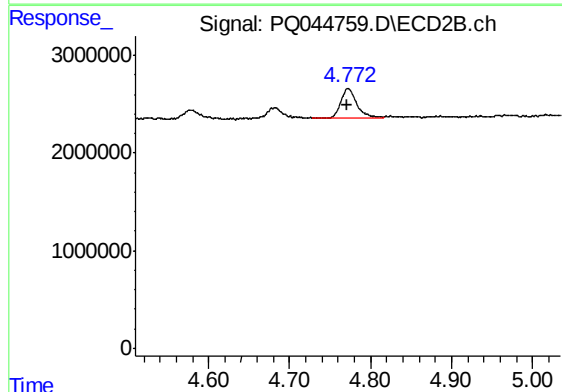
R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 3957240  
Conc: 40.93 ng/ml



#11 AR-1232-1

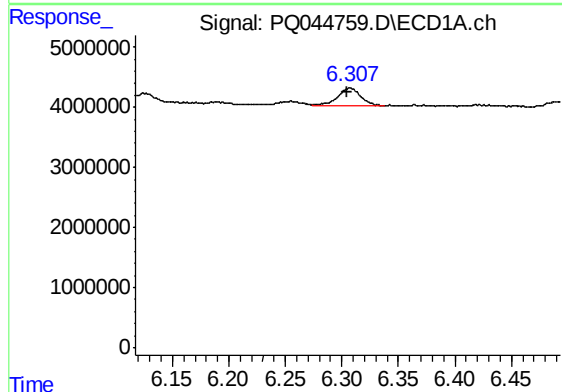
R.T.: 5.714 min  
Delta R.T.: 0.002 min  
Response: 7977500  
Conc: 33.43 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



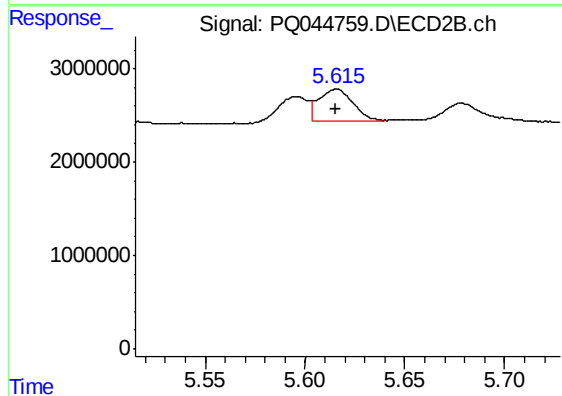
#11 AR-1232-1

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 3957240  
Conc: 30.88 ng/ml



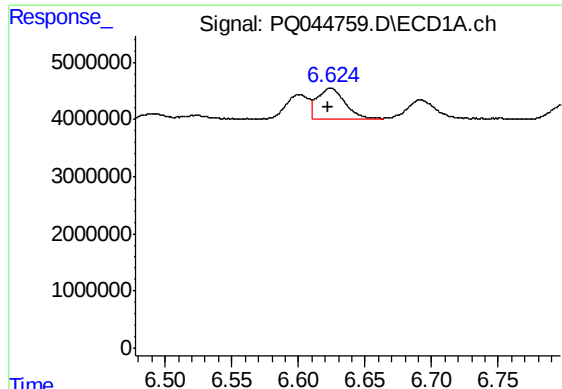
#12 AR-1232-2

R.T.: 6.307 min  
Delta R.T.: 0.003 min  
Response: 4046034  
Conc: 32.35 ng/ml



#12 AR-1232-2

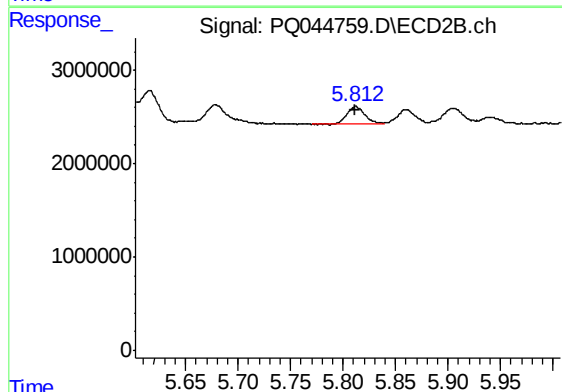
R.T.: 5.616 min  
Delta R.T.: 0.000 min  
Response: 4095919  
Conc: 27.70 ng/ml



#13 AR-1232-3

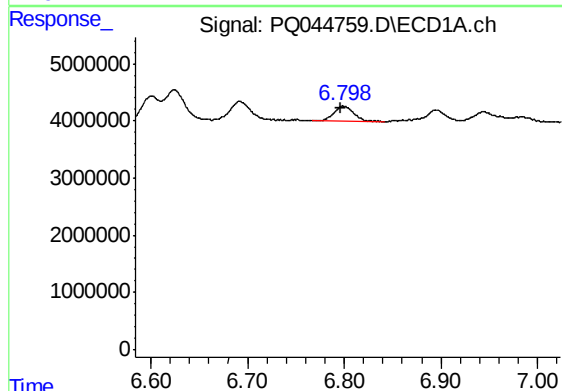
R.T.: 6.624 min  
Delta R.T.: 0.002 min  
Response: 7820451  
Conc: 32.42 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



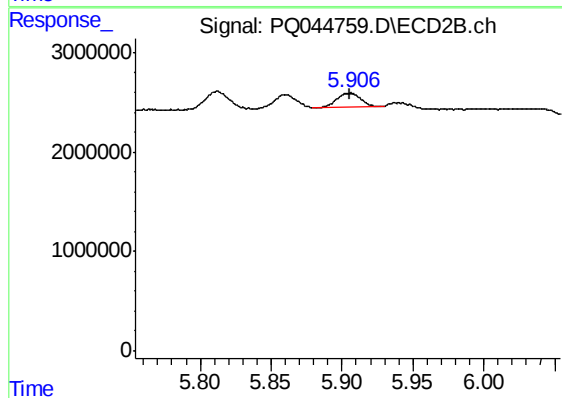
#13 AR-1232-3

R.T.: 5.812 min  
Delta R.T.: 0.000 min  
Response: 2072269  
Conc: 27.04 ng/ml



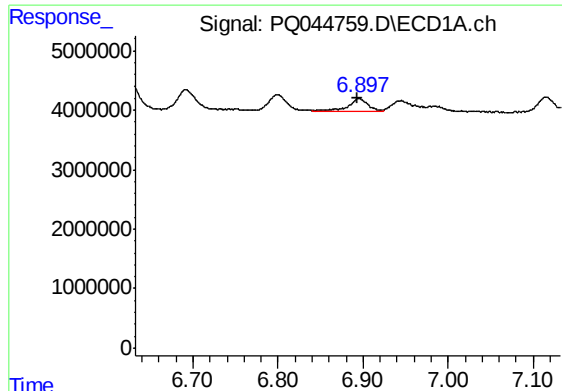
#14 AR-1232-4

R.T.: 6.799 min  
Delta R.T.: 0.002 min  
Response: 3720335  
Conc: 30.15 ng/ml



#14 AR-1232-4

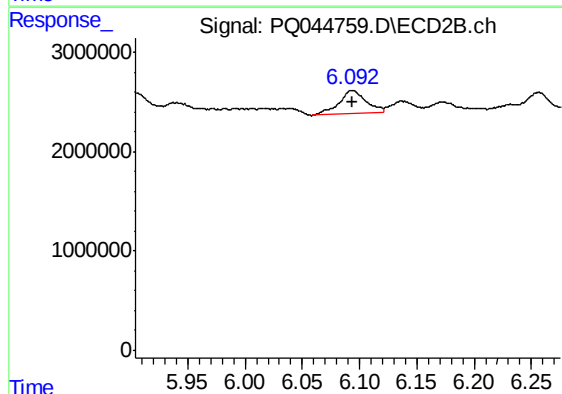
R.T.: 5.905 min  
Delta R.T.: 0.000 min  
Response: 1700018  
Conc: 23.35 ng/ml



#15 AR-1232-5

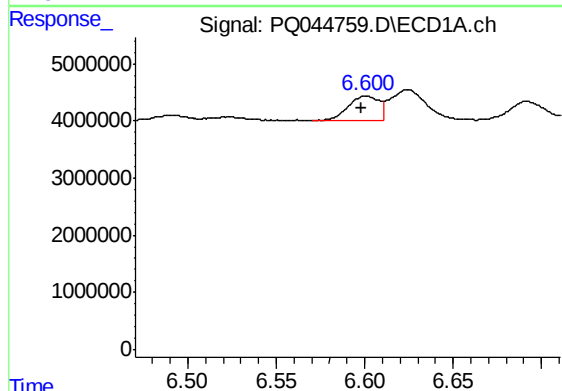
R.T.: 6.895 min  
Delta R.T.: 0.002 min  
Response: 3343061  
Conc: 35.54 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



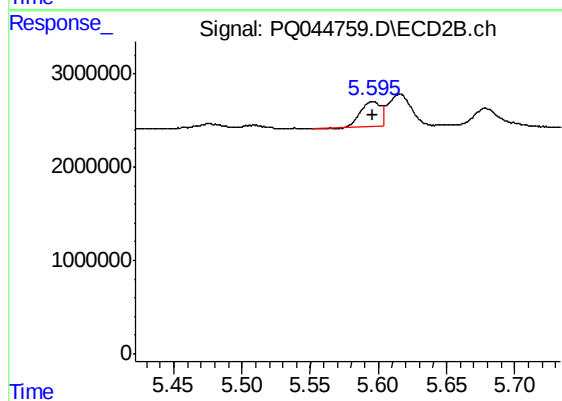
#15 AR-1232-5

R.T.: 6.093 min  
Delta R.T.: 0.000 min  
Response: 3966353  
Conc: 50.19 ng/ml



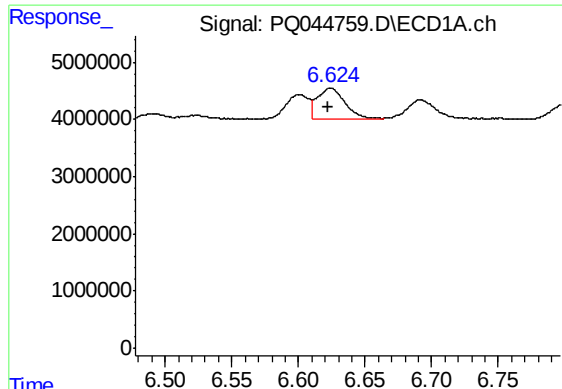
#16 AR-1242-1

R.T.: 6.601 min  
Delta R.T.: 0.002 min  
Response: 5215597  
Conc: 32.33 ng/ml



#16 AR-1242-1

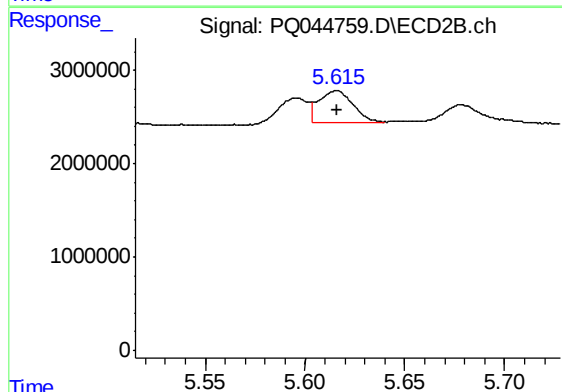
R.T.: 5.595 min  
Delta R.T.: 0.000 min  
Response: 2746616  
Conc: 24.60 ng/ml



#17 AR-1242-2

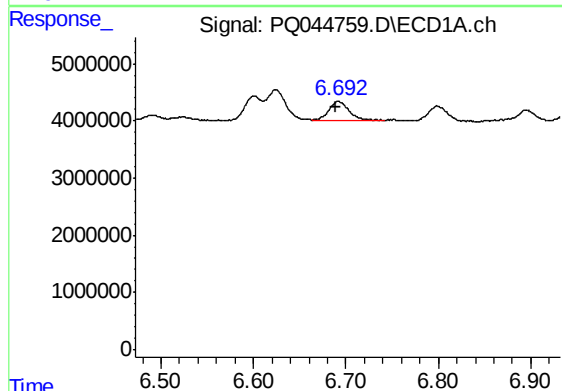
R.T.: 6.624 min  
Delta R.T.: 0.002 min  
Response: 7820451  
Conc: 31.27 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



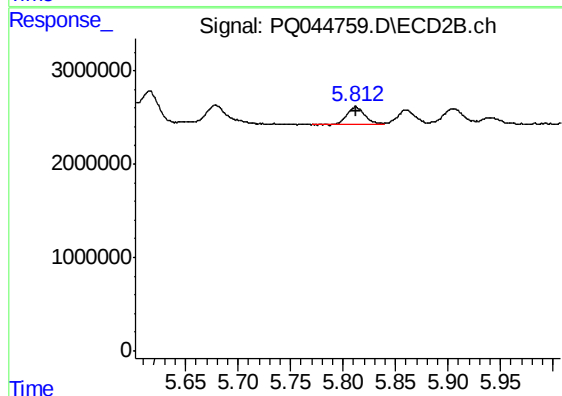
#17 AR-1242-2

R.T.: 5.616 min  
Delta R.T.: 0.000 min  
Response: 4095919  
Conc: 26.09 ng/ml



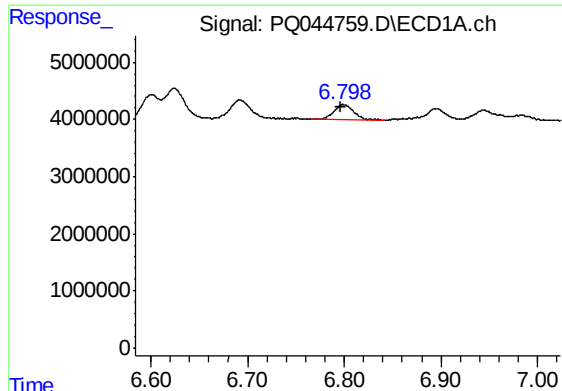
#18 AR-1242-3

R.T.: 6.692 min  
Delta R.T.: 0.002 min  
Response: 5004870  
Conc: 31.73 ng/ml



#18 AR-1242-3

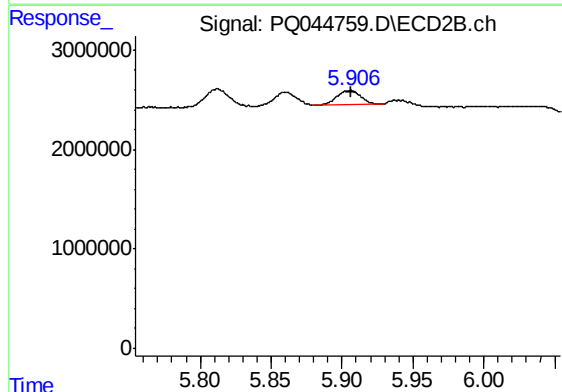
R.T.: 5.812 min  
Delta R.T.: -0.001 min  
Response: 2072269  
Conc: 24.62 ng/ml



#19 AR-1242-4

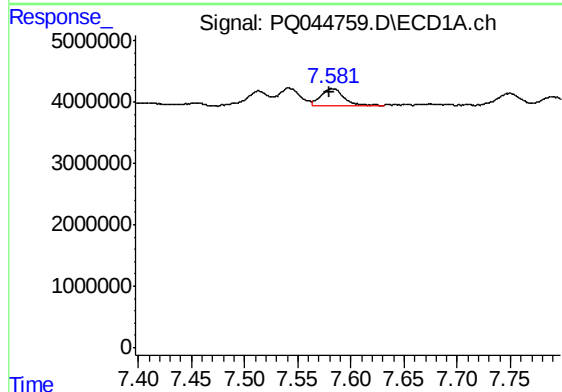
R.T.: 6.799 min  
Delta R.T.: 0.002 min  
Response: 3720335  
Conc: 29.37 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



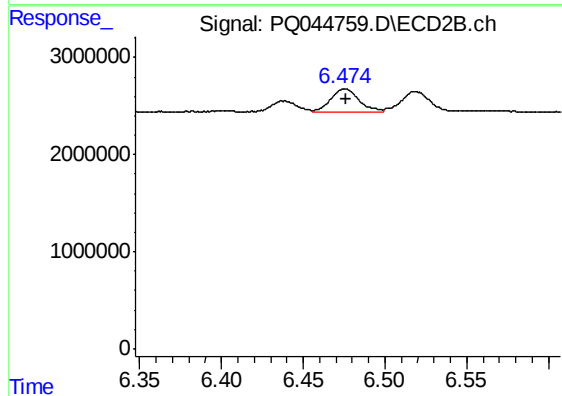
#19 AR-1242-4

R.T.: 5.905 min  
Delta R.T.: -0.001 min  
Response: 1700018  
Conc: 19.91 ng/ml



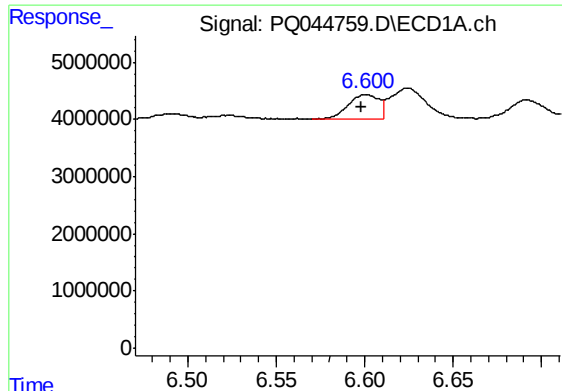
#20 AR-1242-5

R.T.: 7.582 min  
Delta R.T.: 0.002 min  
Response: 4264330  
Conc: 30.66 ng/ml



#20 AR-1242-5

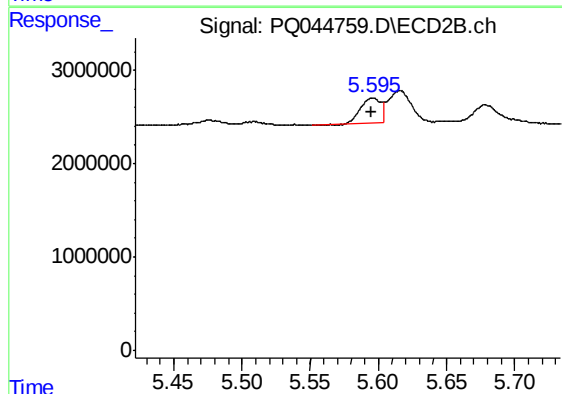
R.T.: 6.475 min  
Delta R.T.: 0.000 min  
Response: 2790257  
Conc: 22.84 ng/ml



#21 AR-1248-1

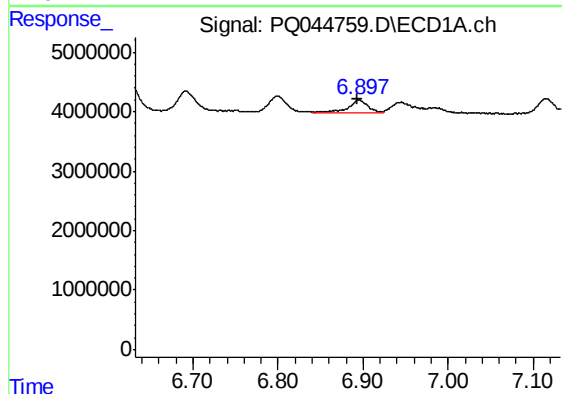
R.T.: 6.601 min  
Delta R.T.: 0.002 min  
Response: 5215597  
Conc: 40.41 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



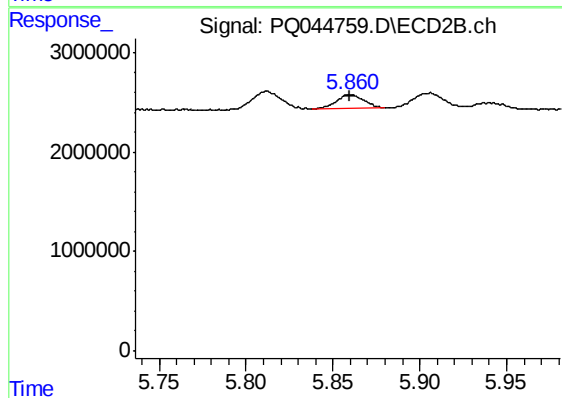
#21 AR-1248-1

R.T.: 5.595 min  
Delta R.T.: 0.000 min  
Response: 2746616  
Conc: 32.68 ng/ml



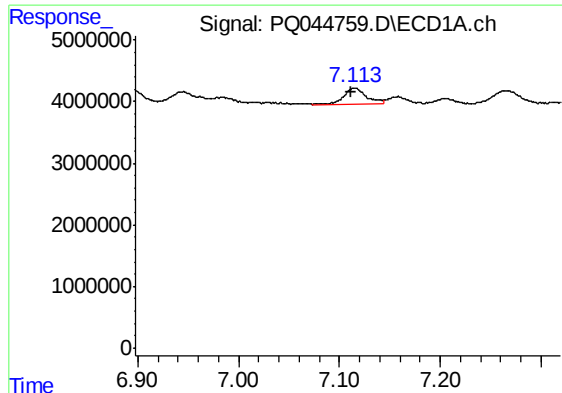
#22 AR-1248-2

R.T.: 6.895 min  
Delta R.T.: 0.002 min  
Response: 3343061  
Conc: 18.15 ng/ml



#22 AR-1248-2

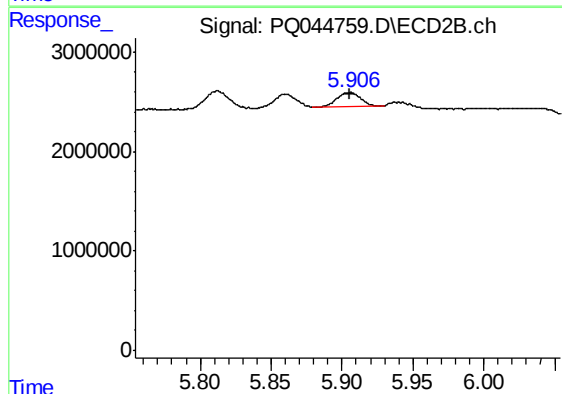
R.T.: 5.860 min  
Delta R.T.: 0.000 min  
Response: 1550962  
Conc: 12.89 ng/ml



#23 AR-1248-3

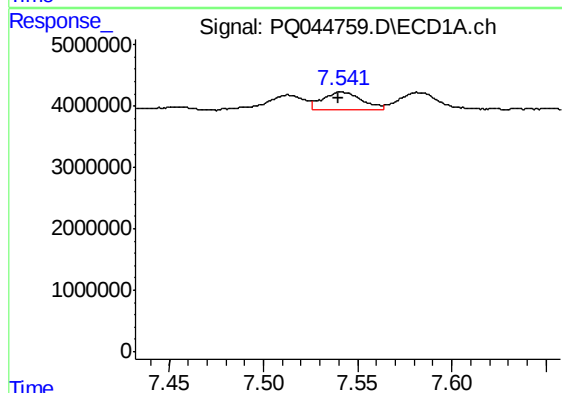
R.T.: 7.115 min  
Delta R.T.: 0.003 min  
Response: 4107181  
Conc: 20.15 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



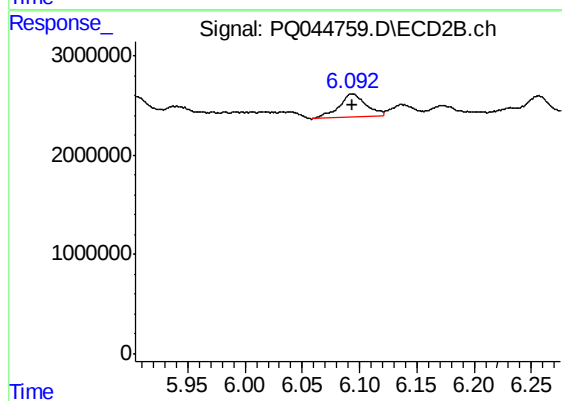
#23 AR-1248-3

R.T.: 5.905 min  
Delta R.T.: 0.000 min  
Response: 1700018  
Conc: 13.82 ng/ml



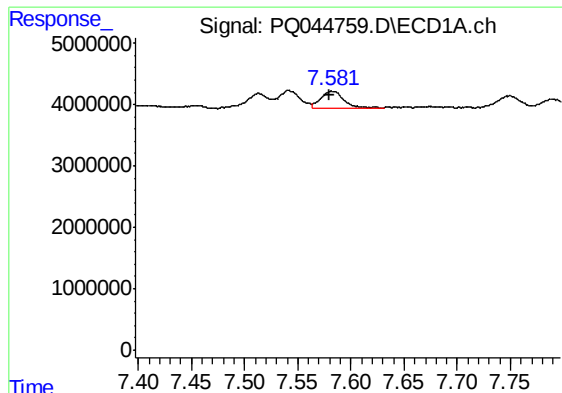
#24 AR-1248-4

R.T.: 7.541 min  
Delta R.T.: 0.002 min  
Response: 4229139  
Conc: 18.63 ng/ml



#24 AR-1248-4

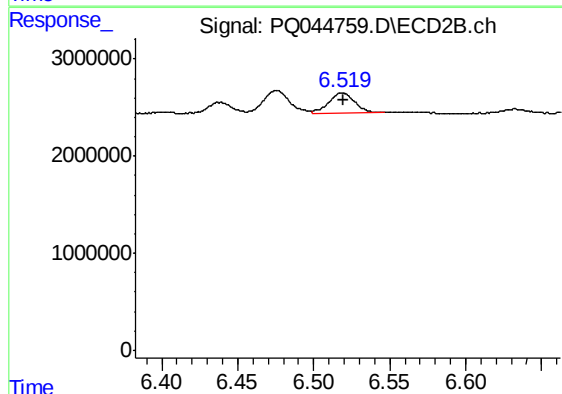
R.T.: 6.093 min  
Delta R.T.: 0.000 min  
Response: 3966353  
Conc: 26.53 ng/ml



#25 AR-1248-5

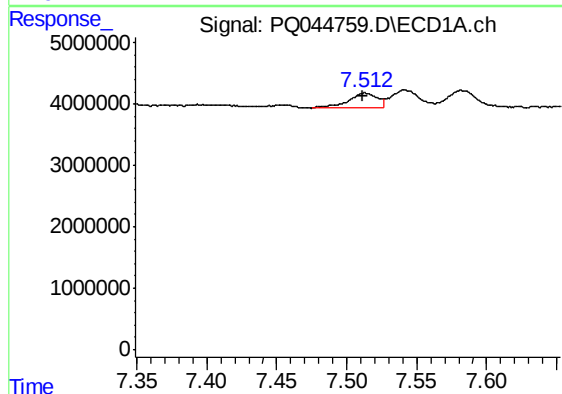
R.T.: 7.582 min  
Delta R.T.: 0.002 min  
Response: 4264330  
Conc: 18.85 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



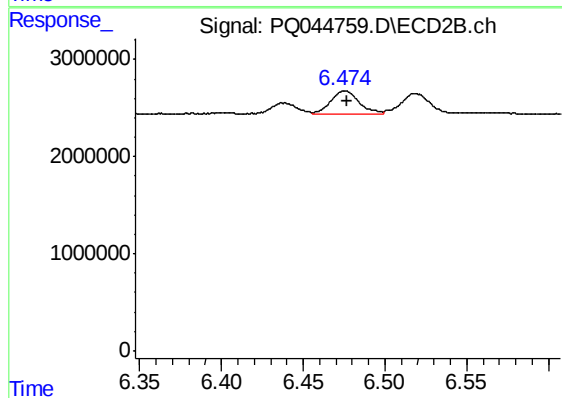
#25 AR-1248-5

R.T.: 6.519 min  
Delta R.T.: 0.000 min  
Response: 2416153  
Conc: 15.33 ng/ml



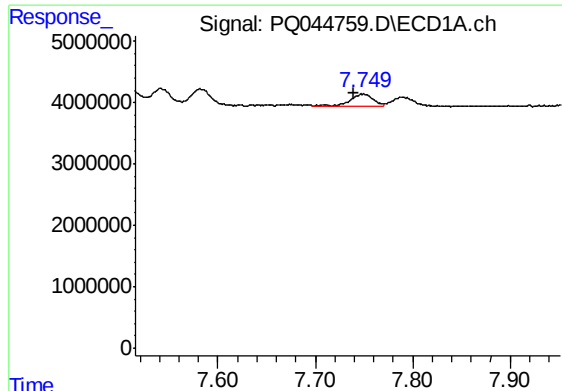
#26 AR-1254-1

R.T.: 7.513 min  
Delta R.T.: 0.002 min  
Response: 3569530  
Conc: 15.23 ng/ml



#26 AR-1254-1

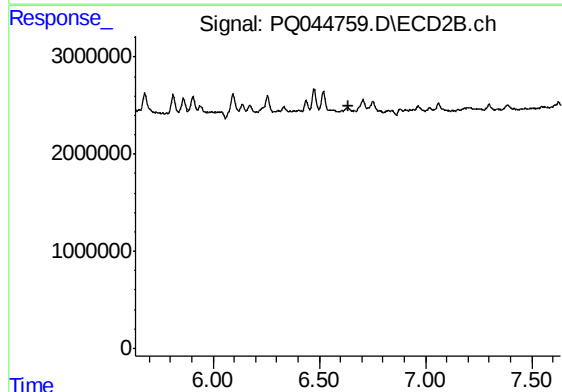
R.T.: 6.475 min  
Delta R.T.: -0.002 min  
Response: 2790257  
Conc: 11.16 ng/ml



#27 AR-1254-2

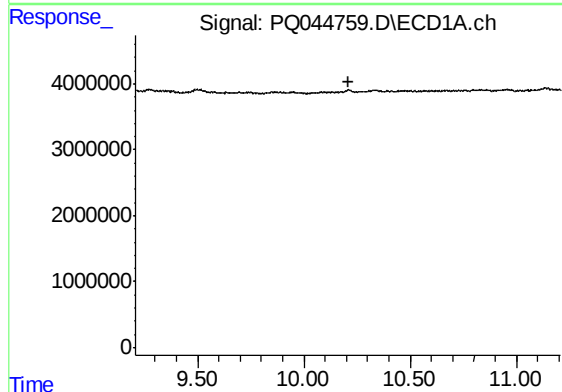
R.T.: 7.749 min  
Delta R.T.: 0.009 min  
Response: 3037191  
Conc: 8.36 ng/ml

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



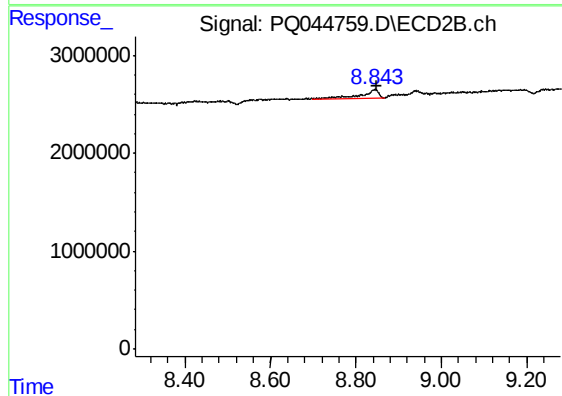
#27 AR-1254-2

R.T.: 0.000 min  
Exp R.T. : 6.635 min  
Response: 0  
Conc: N.D.



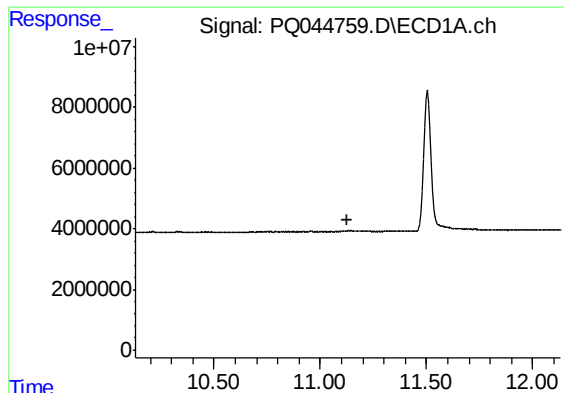
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T. : 10.207 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

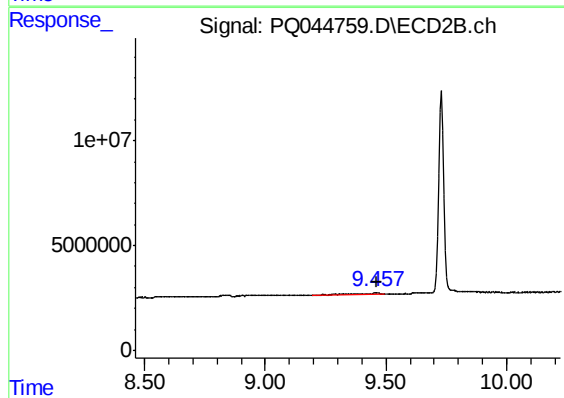
R.T.: 8.844 min  
Delta R.T.: -0.006 min  
Response: 2530290  
Conc: 3.28 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T. : 11.130 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_Q  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019



#45 AR-1268-5

R.T.: 9.458 min  
Delta R.T.: -0.003 min  
Response: 694923  
Conc: 0.24 ng/ml