

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081822\  
 Data File : BM036345.D  
 Acq On : 18 Aug 2022 14:21  
 Operator : CG/JU  
 Sample : N3670-01  
 Misc : MDL-WATER-4ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-QT2-2022-03

Quant Time: Aug 18 14:55:48 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 16 15:00:33 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2022  
 Supervised By :Sohil Jodhani 08/22/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 255235   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.593 | 136  | 1133698  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.439 | 164  | 678891   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 1356156  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.368 | 240  | 1313729  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.703 | 264  | 1360972  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 27796    | 4.150  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 333984   | 18.084 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.975  | 99   | 444747   | 20.414 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.134  | 67   | 284546   | 20.749 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 369197   | 21.568 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.516  | 113  | 346929   | 21.327 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 182518   | 21.234 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.687  | 143  | 187026   | 21.451 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.222 | 165  | 327331   | 21.011 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.745 | 131  | 501621   | 20.770 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.857 | 166  | 954422   | 22.222 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.133 | 160  | 1263608  | 23.589 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 152699   | 18.763 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.433 | 176  | 849501   | 21.888 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 200  | 114196   | 16.379 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 1293718  | 21.454 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.580 | 212  | 1453610  | 21.330 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.551 | 264  | 1418759  | 21.262 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 7316     | 1.037  | ng/uL  | 93       |
| 5) Pyridine                   | 3.652  | 79   | 69318    | 3.633  | ng/u1# | 77       |
| 6) Benzaldehyde               | 6.940  | 77   | 49265    | 5.505  | ng/u1  | 91       |
| 8) Phenol                     | 6.999  | 94   | 85559    | 3.777  | ng/u1  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.228  | 93   | 68647    | 3.789  | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.357  | 128  | 68835    | 3.846  | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.252  | 108  | 59063    | 3.537  | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 93735    | 3.867  | ng/u1# | 95       |
| 16) Acetophenone              | 8.628  | 105  | 99774    | 3.813  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.610  | 70   | 50184    | 3.854  | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.581  | 108  | 68069    | 3.808  | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.863  | 117  | 27865    | 3.721  | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.004  | 77   | 77763    | 3.818  | ng/u1  | 96       |
| 23) Isophorone                | 9.534  | 82   | 130586   | 3.611  | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.716  | 139  | 36186    | 3.725  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 72703    | 3.743  | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.016 | 93   | 88728    | 3.768  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.251 | 162  | 61061    | 3.831  | ng/u1  | 93       |
| 30) Naphthalene               | 10.645 | 128  | 227131   | 3.817  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.769 | 127  | 91295    | 3.716  | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 10.922 | 225  | 36793    | 3.674  | ng/u1  | 93       |
| 34) Caprolactam               | 11.575 | 113  | 17955    | 3.760  | ng/u1  | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.910 | 107  | 59061    | 3.665  | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.263 | 142  | 142318   | 3.812  | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.481 | 142  | 149426   | 3.974 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 69370    | 3.697 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.598 | 237  | 53978    | 4.849 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.881 | 196  | 40525    | 3.432 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.963 | 196  | 41555    | 3.318 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.275 | 154  | 189157   | 3.705 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.316 | 162  | 144806   | 3.696 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.539 | 65   | 35165    | 3.314 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.904 | 163  | 170781   | 3.863 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.033 | 165  | 28306    | 3.393 | ng/ul# | 83       |
| 50) Acenaphthylene            | 14.163 | 152  | 242630   | 3.841 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.369 | 138  | 29563    | 3.241 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.504 | 153  | 157308   | 3.821 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.586 | 184  | 18250    | 4.015 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.681 | 109  | 32264    | 5.018 | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.839 | 168  | 220494   | 3.859 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.822 | 165  | 43330    | 3.663 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.075 | 232  | 34785    | 3.658 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.263 | 149  | 168972   | 3.877 | ng/ul  | 99       |
| 61) Fluorene                  | 15.486 | 166  | 174401   | 3.849 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 82543    | 3.899 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.528 | 138  | 31257m   | 3.673 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.580 | 198  | 27006    | 3.831 | ng/ul# | 82       |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 143833   | 3.710 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.380 | 248  | 46062    | 3.668 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.480 | 284  | 56592    | 3.719 | ng/ul  | 94       |
| 70) Atrazine                  | 16.657 | 200  | 63938    | 4.826 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.839 | 266  | 51185    | 6.101 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.227 | 178  | 272738   | 3.826 | ng/ul  | 98       |
| 74) Anthracene                | 17.316 | 178  | 270900   | 3.790 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.239 | 216  | 72320    | 3.554 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.751 | 250  | 77676    | 4.088 | ng/uL  | 97       |
| 77) Carbazole                 | 17.598 | 167  | 240329   | 3.591 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.157 | 149  | 262377   | 3.585 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 294970   | 3.581 | ng/ul  | 99       |
| 82) Pyrene                    | 19.610 | 202  | 318390   | 3.705 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 108079   | 3.361 | ng/ul  | 88       |
| 84) 3,3'-Dichlorobenzidine    | 21.298 | 252  | 92836    | 3.432 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 296157   | 3.751 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 160456   | 3.614 | ng/ul  | 96       |
| 87) Chrysene                  | 21.409 | 228  | 291014   | 3.752 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.186 | 149  | 275031   | 3.399 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.992 | 252  | 314585   | 3.791 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.033 | 252  | 287181   | 3.638 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.598 | 252  | 311008   | 3.810 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 350843   | 3.656 | ng/ul  | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.127 | 278  | 301033   | 3.641 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.850 | 276  | 297632   | 3.626 | ng/ul  | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

