

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022123\  
 Data File : BP013861.D  
 Acq On : 21 Feb 2023 11:18  
 Operator : CG/JU  
 Sample : 01378-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT1-2023-01

Quant Time: Feb 22 01:50:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP020723.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 22 01:41:33 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/22/2023  
 Supervised By :mohammad ahmed 02/22/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.105  | 152  | 195100   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.934 | 136  | 843552   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.745 | 164  | 564477   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.498 | 188  | 1252431  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.574 | 240  | 1031426  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 953516   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.458  | 96   | 16699    | 3.548  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.887  | 84   | 155007   | 11.107 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.252  | 99   | 303964   | 17.486 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.422  | 67   | 180587   | 17.728 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.634  | 132  | 241211   | 18.850 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.810  | 113  | 245161   | 17.255 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.281  | 128  | 118901   | 20.258 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.004 | 143  | 138924   | 20.500 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 256522   | 18.575 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 339461   | 17.341 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.145 | 166  | 819913   | 18.442 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.440 | 160  | 900619   | 18.714 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.928 | 143  | 124309   | 15.694 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.739 | 176  | 681826   | 18.005 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200  | 131842   | 17.159 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.598 | 188  | 1025741  | 17.911 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.816 | 212  | 1166387  | 19.941 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.963 | 264  | 902703   | 18.894 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.493  | 88   | 6156     | 1.218  | ng/uL# | 94       |
| 5) Pyridine                   | 3.917  | 79   | 44577    | 3.232  | ng/u1  | 88       |
| 6) Benzaldehyde               | 7.240  | 77   | 37928    | 4.838  | ng/u1  | 94       |
| 8) Phenol                     | 7.281  | 94   | 72892    | 4.085  | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.522  | 93   | 59990    | 4.196  | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.663  | 128  | 57193    | 4.356  | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.546  | 108  | 53311    | 3.914  | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.634  | 45   | 64608    | 3.972  | ng/u1# | 93       |
| 16) Acetophenone              | 8.940  | 105  | 93849    | 4.119  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.916  | 70   | 46052    | 4.070  | ng/u1# | 96       |
| 18) 4-Methylphenol            | 8.875  | 108  | 58000    | 3.857  | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.199  | 117  | 24288    | 4.517  | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.322  | 77   | 67406    | 4.365  | ng/u1  | 97       |
| 23) Isophorone                | 9.851  | 82   | 132580   | 4.070  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.040 | 139  | 32645    | 4.445  | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 10.087 | 107  | 63817    | 3.902  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.334 | 93   | 80781    | 4.106  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.575 | 162  | 59849    | 4.402  | ng/u1  | 99       |
| 30) Naphthalene               | 10.987 | 128  | 191820   | 4.272  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.093 | 127  | 78819    | 3.994  | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.263 | 225  | 45345    | 4.735  | ng/u1  | 99       |
| 34) Caprolactam               | 11.887 | 113  | 19738m   | 4.137  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.198 | 107  | 62989    | 4.013  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.581 | 142  | 131953   | 4.179  | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.798 | 142  | 123725   | 3.793 | ng/u1  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.945 | 216  | 82575    | 4.642 | ng/u1  | 99       |
| 40) Hexachlorocyclopentadiene | 12.922 | 237  | 51643    | 4.521 | ng/u1  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.181 | 196  | 51625    | 4.423 | ng/u1  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.251 | 196  | 52246    | 4.135 | ng/u1  | 97       |
| 43) 1,1'-Biphenyl             | 13.581 | 154  | 187959   | 4.438 | ng/u1  | 99       |
| 44) 2-Chloronaphthalene       | 13.622 | 162  | 145501   | 4.367 | ng/u1  | 98       |
| 45) 2-Nitroaniline            | 13.828 | 65   | 31366    | 3.908 | ng/u1  | 90       |
| 47) Dimethylphthalate         | 14.192 | 163  | 188832   | 4.282 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.316 | 165  | 30506    | 3.960 | ng/u1  | 98       |
| 50) Acenaphthylene            | 14.469 | 152  | 221387   | 4.264 | ng/u1  | 99       |
| 51) 3-Nitroaniline            | 14.645 | 138  | 28802    | 3.781 | ng/u1  | 97       |
| 52) Acenaphthene              | 14.810 | 153  | 157324   | 4.329 | ng/u1  | 98       |
| 53) 2,4-Dinitrophenol         | 14.857 | 184  | 23938    | 4.357 | ng/u1  | 94       |
| 55) 4-Nitrophenol             | 14.945 | 109  | 27132    | 3.904 | ng/u1  | 91       |
| 56) Dibenzofuran              | 15.139 | 168  | 221984   | 4.261 | ng/u1  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.098 | 165  | 44583    | 3.882 | ng/u1  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.369 | 232  | 50327    | 4.226 | ng/u1# | 96       |
| 59) Diethylphthalate          | 15.551 | 149  | 181095   | 4.090 | ng/u1  | 98       |
| 61) Fluorene                  | 15.792 | 166  | 179519   | 4.224 | ng/u1  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.781 | 204  | 97417    | 4.408 | ng/u1  | 97       |
| 63) 4-Nitroaniline            | 15.810 | 138  | 26678    | 3.699 | ng/u1  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.863 | 198  | 36525    | 4.849 | ng/u1# | 93       |
| 67) N-Nitrosodiphenylamine    | 15.992 | 169  | 150103   | 4.409 | ng/u1  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.681 | 248  | 61080    | 4.618 | ng/u1  | 96       |
| 69) Hexachlorobenzene         | 16.798 | 284  | 71494    | 4.639 | ng/u1  | 95       |
| 70) Atrazine                  | 16.945 | 200  | 62278    | 4.575 | ng/u1  | 97       |
| 71) Pentachlorophenol         | 17.145 | 266  | 45640    | 4.551 | ng/u1  | 97       |
| 72) Phenanthrene              | 17.539 | 178  | 281944   | 4.254 | ng/u1  | 100      |
| 74) Anthracene                | 17.633 | 178  | 281013   | 4.214 | ng/u1  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.545 | 216  | 76781    | 4.592 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.063 | 250  | 75089    | 4.352 | ng/uL  | 99       |
| 77) Carbazole                 | 17.898 | 167  | 238101   | 4.054 | ng/u1  | 99       |
| 78) Di-n-butylphthalate       | 18.428 | 149  | 277769   | 3.899 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.492 | 202  | 317068   | 4.735 | ng/u1  | 98       |
| 82) Pyrene                    | 19.845 | 202  | 334721   | 4.689 | ng/u1  | 96       |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 108279   | 4.432 | ng/u1  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 83183    | 3.583 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.557 | 228  | 301713   | 4.281 | ng/u1  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 161604   | 4.319 | ng/u1# | 97       |
| 87) Chrysene                  | 21.616 | 228  | 286064   | 4.302 | ng/u1  | 98       |
| 89) Di-n-octyl phthalate      | 22.427 | 149  | 235911   | 3.596 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 272018   | 4.278 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 259276   | 4.110 | ng/u1  | 99       |
| 93) Benzo(a)pyrene            | 24.015 | 252  | 233147   | 4.326 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 290775   | 4.811 | ng/u1  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.833 | 278  | 240886   | 4.771 | ng/u1  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.645 | 276  | 234992   | 4.883 | ng/u1  | 97       |

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

