

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081722\  
 Data File : BM036309.D  
 Acq On : 17 Aug 2022 10:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020149

Quant Time: Aug 17 13:03:42 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 08/18/2022  
 Supervised By :Sohil Jodhani 08/19/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 250325   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.598 | 136  | 1124896  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 669485   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 1277360  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 1118526  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.703 | 264  | 1106459  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.210  | 96   | 48055    | 7.316  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 316659   | 17.482 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.981  | 99   | 396354   | 18.550 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.134  | 67   | 259092   | 19.264 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 325842   | 19.409 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.522  | 113  | 310782   | 19.480 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.969  | 128  | 163592   | 19.181 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.686  | 143  | 170127   | 19.665 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.228 | 165  | 305013   | 19.732 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.751 | 131  | 455387   | 19.003 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.863 | 166  | 828332   | 19.557 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.139 | 160  | 1031631  | 19.529 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.674 | 143  | 138437   | 17.250 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.433 | 176  | 739800   | 19.330 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.568 | 200  | 118134   | 17.989 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 1097942  | 19.331 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.580 | 212  | 1141025  | 19.665 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.550 | 264  | 1047749  | 19.314 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 50508    | 7.301  | ng/uL# | 91       |
| 5) Pyridine                   | 3.652  | 79   | 330105   | 17.642 | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.945  | 77   | 186216   | 21.216 | ng/u1  | 94       |
| 8) Phenol                     | 7.004  | 94   | 416203   | 18.735 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.228  | 93   | 343036   | 19.306 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.363  | 128  | 340553   | 19.398 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.257  | 108  | 315266   | 19.252 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 469042   | 19.730 | ng/u1  | 97       |
| 16) Acetophenone              | 8.628  | 105  | 521696   | 20.331 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.616  | 70   | 260775   | 20.418 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.586  | 108  | 344519   | 19.654 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.869  | 117  | 143335   | 19.515 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.010  | 77   | 384997   | 19.051 | ng/u1  | 99       |
| 23) Isophorone                | 9.534  | 82   | 709463   | 19.770 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.722  | 139  | 188566   | 19.564 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.786  | 107  | 376016   | 19.508 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.022 | 93   | 462158   | 19.782 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 312675   | 19.771 | ng/u1  | 98       |
| 30) Naphthalene               | 10.651 | 128  | 1126492  | 19.080 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.775 | 127  | 468065   | 19.203 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.928 | 225  | 194442   | 19.570 | ng/u1  | 100      |
| 34) Caprolactam               | 11.563 | 113  | 87823    | 18.534 | ng/u1  | 85       |
| 35) 4-Chloro-3-methylphenol   | 11.910 | 107  | 321308   | 20.094 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.263 | 142  | 734704   | 19.834 | ng/u1  | 100      |

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## Manual Integrations

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QLast Update : Tue Aug 16 15:00:33 2022

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.486 | 142  | 737668   | 19.773 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 355715   | 19.223 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.604 | 237  | 192448   | 17.530 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.880 | 196  | 229679   | 19.725 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.957 | 196  | 241229   | 19.531 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.280 | 154  | 962436   | 19.114 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.321 | 162  | 735401   | 19.033 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.539 | 65   | 197665   | 18.892 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.910 | 163  | 852981   | 19.565 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.033 | 165  | 165206   | 20.084 | ng/ul  | 88       |
| 50) Acenaphthylene            | 14.163 | 152  | 1204709  | 19.338 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.363 | 138  | 161609   | 17.965 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.504 | 153  | 772739   | 19.031 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.580 | 184  | 73982    | 16.503 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.686 | 109  | 109861   | 17.326 | ng/ul  | 84       |
| 56) Dibenzofuran              | 14.839 | 168  | 1083014  | 19.223 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.821 | 165  | 235359   | 20.175 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.074 | 232  | 187944   | 20.041 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.268 | 149  | 853788   | 19.866 | ng/ul  | 99       |
| 61) Fluorene                  | 15.492 | 166  | 863730   | 19.328 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 409659   | 19.625 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.527 | 138  | 150977m  | 17.991 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.580 | 198  | 119555   | 18.006 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 703762   | 19.271 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.380 | 248  | 234499   | 19.826 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.486 | 284  | 278328   | 19.418 | ng/ul  | 97       |
| 70) Atrazine                  | 16.657 | 200  | 235372   | 18.863 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.839 | 266  | 139532   | 17.657 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.227 | 178  | 1274547  | 18.980 | ng/ul  | 99       |
| 74) Anthracene                | 17.321 | 178  | 1313559  | 19.511 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.239 | 216  | 360935   | 18.832 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 344769   | 19.265 | ng/uL  | 98       |
| 77) Carbazole                 | 17.598 | 167  | 1159957  | 18.402 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.156 | 149  | 1356546  | 19.676 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 1377913  | 19.650 | ng/ul  | 99       |
| 82) Pyrene                    | 19.609 | 202  | 1438740  | 19.661 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.515 | 149  | 563769   | 20.594 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.297 | 252  | 423369   | 18.381 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 1317236  | 19.597 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 810318   | 21.438 | ng/ul  | 98       |
| 87) Chrysene                  | 21.409 | 228  | 1280163  | 19.383 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.192 | 149  | 1332094  | 20.252 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.991 | 252  | 1331634  | 19.740 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.038 | 252  | 1235793  | 19.255 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.597 | 252  | 1280048  | 19.288 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 1469340  | 18.831 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.132 | 278  | 1273379  | 18.945 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.856 | 276  | 1256665  | 18.833 | ng/ul  | 95       |

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

