

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111423\  
 Data File : BN028591.D  
 Acq On : 13 Nov 2023 22:20  
 Operator : MA/JU  
 Sample : SSTD08099  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD080222

Quant Time: Nov 14 04:44:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN111423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 14 04:07:03 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/16/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 253783   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.493 | 136  | 1245888  | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.351 | 164  | 805151   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.104 | 188  | 1628368  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 1192295  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.615 | 264  | 1136135  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.140  | 96   | 200972   | 29.508  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.558  | 84   | 1357465  | 76.877  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 2020394  | 83.598  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.046  | 67   | 1176866  | 81.409  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 1696455  | 82.358  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.434  | 113  | 1672028  | 85.546  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 891153   | 87.769  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 1003520  | 106.411 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 1712692  | 78.657  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.646 | 131  | 2468002  | 75.293  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.781 | 166  | 5244686  | 71.033  | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 6044900  | 71.520  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.592 | 143  | 803975   | 74.007  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 4342548  | 69.992  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.481 | 200  | 858046   | 115.076 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.204 | 188  | 6257210  | 69.963  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.504 | 212  | 6631638  | 79.640  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.468 | 264  | 5351937  | 79.905  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 215804   | 29.501  | ng/uL  | 95       |
| 5) Pyridine                   | 3.575  | 79   | 1366175  | 75.929  | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.846  | 77   | 786529   | 66.226  | ng/u1  | 98       |
| 8) Phenol                     | 6.916  | 94   | 2017764  | 84.565  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 1598249  | 80.861  | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.269  | 128  | 1667099  | 80.241  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.157  | 108  | 1571123  | 82.569  | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.228  | 45   | 2369717  | 78.638  | ng/u1  | 99       |
| 16) Acetophenone              | 8.534  | 105  | 2572834  | 82.893  | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.534  | 70   | 1249751  | 76.204  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.499  | 108  | 1710053  | 84.172  | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.769  | 117  | 701496   | 81.979  | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.904  | 77   | 1871480  | 78.209  | ng/u1  | 99       |
| 23) Isophorone                | 9.440  | 82   | 3890513  | 73.524  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.616  | 139  | 983907   | 91.238  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 1856467  | 74.323  | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.922  | 93   | 2300455  | 72.085  | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.151 | 162  | 1624021  | 76.396  | ng/u1  | 99       |
| 30) Naphthalene               | 10.546 | 128  | 5722951  | 72.011  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.669 | 127  | 2305742  | 74.019  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.828 | 225  | 1065107  | 76.292  | ng/u1  | 97       |
| 34) Caprolactam               | 11.475 | 113  | 549450m  | 78.218  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.810 | 107  | 1809513  | 78.228  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.163 | 142  | 3848443  | 70.878  | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
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| 37) 1-Methylnaphthalene       | 12.381 | 142  | 3844116  | 69.045  | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.534 | 216  | 2023488  | 73.188  | ng/ul  | 92       |
| 40) Hexachlorocyclopentadiene | 12.510 | 237  | 1179019  | 80.024  | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.781 | 196  | 1342117  | 79.481  | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.857 | 196  | 1492664  | 81.180  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.187 | 154  | 5105660  | 71.709  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.222 | 162  | 4089025  | 72.396  | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.445 | 65   | 1226394  | 97.107  | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.828 | 163  | 5158713  | 70.894  | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.945 | 165  | 1160443  | 97.665  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.075 | 152  | 6654414  | 70.461  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.275 | 138  | 1119895  | 82.867  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.416 | 153  | 4337270  | 69.996  | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.481 | 184  | 424481   | 104.851 | ng/ul# | 66       |
| 55) 4-Nitrophenol             | 14.604 | 109  | 547249   | 73.472  | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.751 | 168  | 5781876  | 68.606  | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.734 | 165  | 1599304  | 92.965  | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.986 | 232  | 1253084  | 81.228  | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.192 | 149  | 5380572  | 71.681  | ng/ul  | 98       |
| 61) Fluorene                  | 15.404 | 166  | 4687304  | 67.235  | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 2343475  | 68.294  | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.451 | 138  | 1046816m | 76.569  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.498 | 198  | 885960   | 107.369 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 15.622 | 169  | 4062730  | 74.625  | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.298 | 248  | 1497277  | 77.401  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 1660338  | 74.044  | ng/ul  | 97       |
| 70) Atrazine                  | 16.586 | 200  | 1330341  | 76.155  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.751 | 266  | 1010843  | 82.766  | ng/ul  | 92       |
| 72) Phenanthrene              | 17.145 | 178  | 7157269  | 70.445  | ng/ul  | 99       |
| 74) Anthracene                | 17.239 | 178  | 7387694  | 72.021  | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.145 | 216  | 2085158  | 81.373  | ng/ul  | 94       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 2073925  | 81.082  | ng/ul  | 97       |
| 77) Carbazole                 | 17.516 | 167  | 6701872  | 77.248  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.086 | 149  | 8366332  | 71.278  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.169 | 202  | 8038312  | 83.334  | ng/ul  | 98       |
| 82) Pyrene                    | 19.539 | 202  | 7998030  | 80.434  | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.457 | 149  | 3520061  | 86.790  | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.239 | 252  | 2082195  | 72.603  | ng/ul# | 94       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 6956465  | 71.780  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 4727532  | 75.896  | ng/ul  | 99       |
| 87) Chrysene                  | 21.351 | 228  | 6800082  | 75.418  | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.139 | 149  | 7851022  | 91.489  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.921 | 252  | 6529005  | 78.565  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.968 | 252  | 6516345  | 77.748  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.521 | 252  | 6065470  | 77.881  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.992 | 276  | 7258613  | 82.576  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.015 | 278  | 6009104  | 82.286  | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.715 | 276  | 5785796  | 83.170  | ng/ul  | 97       |

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

