

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081621\  
 Data File : BM031745.D  
 Acq On : 16 Aug 2021 11:15  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 8/17/2021 1:21:46 PM

Quant Time: Aug 16 12:41:55 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 12:20:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.551  | 152  | 54197m   | 20.000 | ng    | -0.09    |
| 21) Naphthalene-d8            | 10.316 | 136  | 263480   | 20.000 | ng    | #-0.09   |
| 39) Acenaphthene-d10          | 14.192 | 164  | 191090   | 20.000 | ng    | -0.08    |
| 64) Phenanthrene-d10          | 16.945 | 188  | 422854   | 20.000 | ng    | -0.08    |
| 76) Chrysene-d12              | 21.145 | 240  | 365354   | 20.000 | ng    | -0.06    |
| 86) Perylene-d12              | 23.297 | 264  | 284809   | 20.000 | ng    | -0.09    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.187  | 112  | 231129   | 76.580 | ng    | -0.07    |
| 7) Phenol-d6                  | 6.751  | 99   | 342601   | 78.305 | ng    | -0.07    |
| 23) Nitrobenzene-d5           | 8.710  | 82   | 407879   | 77.727 | ng    | -0.08    |
| 42) 2,4,6-Tribromophenol      | 15.692 | 330  | 160663   | 64.386 | ng    | -0.08    |
| 45) 2-Fluorobiphenyl          | 12.804 | 172  | 923481   | 72.107 | ng    | -0.09    |
| 79) Terphenyl-d14             | 19.592 | 244  | 1639372  | 88.779 | ng    | -0.06    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.193  | 88   | 47179    | 38.901 | ng    | 94       |
| 3) Pyridine                   | 3.575  | 79   | 119918   | 34.953 | ng    | # 83     |
| 4) n-Nitrosodimethylamine     | 3.499  | 42   | 80930    | 41.503 | ng    | # 86     |
| 6) Aniline                    | 6.904  | 93   | 185856   | 39.566 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.128  | 128  | 135420   | 38.118 | ng    | 94       |
| 9) Benzaldehyde               | 6.716  | 77   | 95391    | 36.590 | ng    | 98       |
| 10) Phenol                    | 6.775  | 94   | 167568   | 39.531 | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 7.004  | 93   | 123796   | 39.451 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.587  | 146  | 151315   | 39.170 | ng    | # 91     |
| 13) 1,4-Dichlorobenzene       | 7.587  | 146  | 151315   | 38.489 | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.898  | 146  | 146329   | 38.105 | ng    | 95       |
| 15) Benzyl Alcohol            | 7.804  | 79   | 146910   | 39.886 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.087  | 45   | 175720   | 44.759 | ng    | 95       |
| 17) 2-Methylphenol            | 7.998  | 107  | 120111   | 40.502 | ng    | 93       |
| 18) Hexachloroethane          | 8.604  | 117  | 62958    | 41.489 | ng    | # 86     |
| 19) n-Nitroso-di-n-propyla... | 8.363  | 70   | 135181   | 43.748 | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.328  | 107  | 169875   | 40.509 | ng    | 96       |
| 22) Acetophenone              | 8.375  | 105  | 242117   | 37.121 | ng    | # 91     |
| 24) Nitrobenzene              | 8.751  | 77   | 205525   | 38.786 | ng    | 96       |
| 25) Isophorone                | 9.269  | 82   | 366353   | 39.042 | ng    | 96       |
| 26) 2-Nitrophenol             | 9.445  | 139  | 85187    | 38.180 | ng    | # 82     |
| 27) 2,4-Dimethylphenol        | 9.516  | 122  | 126739   | 36.053 | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 9.751  | 93   | 178032   | 37.629 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 9.975  | 162  | 147281   | 35.419 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.181 | 180  | 156426   | 34.259 | ng    | 97       |
| 31) Naphthalene               | 10.363 | 128  | 491809   | 36.278 | ng    | 99       |
| 32) Benzoic acid              | 9.692  | 122  | 115360   | 38.515 | ng    | 95       |
| 33) 4-Chloroaniline           | 10.492 | 127  | 209280   | 35.784 | ng    | 95       |
| 34) Hexachlorobutadiene       | 10.639 | 225  | 98646    | 33.645 | ng    | 97       |
| 35) Caprolactam               | 11.310 | 113  | 43082    | 30.821 | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 11.622 | 107  | 180548   | 38.048 | ng    | 91       |
| 37) 2-Methylnaphthalene       | 11.980 | 142  | 374790   | 35.866 | ng    | # 96     |
| 38) 1-Methylnaphthalene       | 12.204 | 142  | 354443   | 35.621 | ng    | # 100    |
| 40) 1,2,4,5-Tetrachloroben... | 12.357 | 216  | 177787   | 33.394 | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.328 | 237  | 96368    | 32.537 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.610 | 196  | 133062   | 35.579 | ng    | 100      |

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| 44) 2,4,5-Trichlorophenol     | 12.680 | 196  | 142575   | 34.432 | ng    | # 89     |
| 46) 1,1'-Biphenyl             | 13.016 | 154  | 485959   | 35.865 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.057 | 162  | 381692   | 35.965 | ng    | # 92     |
| 48) 2-Nitroaniline            | 13.280 | 65   | 144632   | 42.766 | ng    | 88       |
| 49) Acenaphthylene            | 13.910 | 152  | 630066   | 37.142 | ng    | 99       |
| 50) Dimethylphthalate         | 13.669 | 163  | 505637   | 35.278 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.786 | 165  | 114003   | 35.509 | ng    | # 66     |
| 52) Acenaphthene              | 14.257 | 154  | 381789   | 35.764 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.121 | 138  | 120844   | 37.256 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.333 | 184  | 69206    | 36.550 | ng    | # 77     |
| 55) Dibenzofuran              | 14.592 | 168  | 640265   | 36.571 | ng    | 92       |
| 56) 4-Nitrophenol             | 14.439 | 139  | 103822   | 36.195 | ng    | # 73     |
| 57) 2,4-Dinitrotoluene        | 14.586 | 165  | 169489   | 37.912 | ng    | # 65     |
| 58) Fluorene                  | 15.245 | 166  | 535339   | 36.247 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.827 | 232  | 129888   | 33.662 | ng    | # 85     |
| 60) Diethylphthalate          | 15.039 | 149  | 559627   | 36.418 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.251 | 204  | 259696   | 35.509 | ng    | # 87     |
| 62) 4-Nitroaniline            | 15.251 | 138  | 9472     | 2.647  | ng    | # 28     |
| 63) Azobenzene                | 15.545 | 77   | 630725   | 41.238 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 15.351 | 198  | 97614    | 36.806 | ng    | 74       |
| 66) n-Nitrosodiphenylamine    | 15.468 | 169  | 456855   | 36.757 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.145 | 248  | 149099   | 34.079 | ng    | # 90     |
| 68) Hexachlorobenzene         | 16.245 | 284  | 160132   | 32.481 | ng    | # 86     |
| 69) Atrazine                  | 16.433 | 200  | 153234   | 33.583 | ng    | 96       |
| 70) Pentachlorophenol         | 16.598 | 266  | 111653   | 34.640 | ng    | 98       |
| 71) Phenanthrene              | 16.986 | 178  | 833378   | 35.590 | ng    | 100      |
| 72) Anthracene                | 17.080 | 178  | 825819   | 35.764 | ng    | 99       |
| 73) Carbazole                 | 17.357 | 167  | 812160   | 35.532 | ng    | 98       |
| 74) Di-n-butylphthalate       | 17.927 | 149  | 1024415  | 38.151 | ng    | # 99     |
| 75) Fluoranthene              | 19.009 | 202  | 973928   | 33.236 | ng    | 98       |
| 77) Benzidine                 | 19.209 | 184  | 352472   | 39.078 | ng    | 99       |
| 78) Pyrene                    | 19.374 | 202  | 995062   | 43.614 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.298 | 149  | 448161   | 46.006 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.127 | 228  | 890062   | 36.760 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.074 | 252  | 237318   | 35.754 | ng    | 98       |
| 83) Chrysene                  | 21.180 | 228  | 849059   | 36.094 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.074 | 149  | 638387   | 42.299 | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 21.933 | 149  | 946124   | 36.610 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.433 | 276  | 653249   | 32.098 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 22.662 | 252  | 738097   | 39.110 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 22.703 | 252  | 701710   | 39.756 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.203 | 252  | 638027   | 37.556 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 25.438 | 278  | 572539   | 32.498 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.074 | 276  | 533281   | 31.770 | ng    | 98       |

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

