

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121322\  
 Data File : BG055951.D  
 Acq On : 13 Dec 2022 20:36  
 Operator : CG/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC050

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay  
 12/14/2022

Supervised By :mohammad  
 ahmed  
 12/16/2022

Quant Time: Dec 14 01:56:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 14 01:49:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|---------|-------|-----------|
| Internal Standards            |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 8.376  | 152  | 6370     | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8            | 11.208 | 136  | 22609    | 20.000  | ng    | # 0.00    |
| 39) Acenaphthene-d10          | 14.980 | 164  | 21256    | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10          | 17.712 | 188  | 57804    | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12              | 22.025 | 240  | 69734    | 20.000  | ng    | 0.00      |
| 86) Perylene-d12              | 25.515 | 264  | 80928    | 20.000  | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |         |       |           |
| 5) 2-Fluorophenol             | 5.885  | 112  | 26300    | 74.628  | ng    | 0.00      |
| 7) Phenol-d6                  | 7.501  | 99   | 33311    | 71.007  | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 9.545  | 82   | 34273    | 80.123  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 16.455 | 330  | 50662    | 169.262 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 13.611 | 172  | 150124   | 105.808 | ng    | 0.00      |
| 79) Terphenyl-d14             | 20.292 | 244  | 377314   | 108.222 | ng    | 0.00      |
| Target Compounds              |        |      |          |         |       |           |
| 2) 1,4-Dioxane                | 3.723  | 88   | 4373     | 29.036  | ng    | Qvalue 94 |
| 3) Pyridine                   | 4.140  | 79   | 13011    | 28.161  | ng    | 95        |
| 4) n-Nitrosodimethylamine     | 4.046  | 42   | 11414    | 46.662  | ng    | 97        |
| 6) Aniline                    | 7.689  | 93   | 19411    | 32.943  | ng    | 94        |
| 8) 2-Chlorophenol             | 7.930  | 128  | 16965    | 42.110  | ng    | 95        |
| 9) Benzaldehyde               | 7.501  | 77   | 9782     | 30.703  | ng    | 98        |
| 10) Phenol                    | 7.524  | 94   | 18120    | 34.496  | ng    | 94        |
| 11) bis(2-Chloroethyl)ether   | 7.777  | 93   | 11463    | 28.476  | ng    | 90        |
| 12) 1,3-Dichlorobenzene       | 8.265  | 146  | 21444    | 45.272  | ng    | 92        |
| 13) 1,4-Dichlorobenzene       | 8.412  | 146  | 21831    | 45.610  | ng    | 95        |
| 14) 1,2-Dichlorobenzene       | 8.735  | 146  | 20504    | 44.704  | ng    | 96        |
| 15) Benzyl Alcohol            | 8.600  | 79   | 17277    | 45.315  | ng    | 93        |
| 16) 2,2'-oxybis(1-Chloropr... | 8.893  | 45   | 15300    | 20.996  | ng    | 97        |
| 17) 2-Methylphenol            | 8.799  | 107  | 14335    | 38.439  | ng    | 94        |
| 18) Hexachloroethane          | 9.475  | 117  | 7008     | 42.540  | ng    | 88        |
| 19) n-Nitroso-di-n-propyla... | 9.181  | 70   | 11552    | 32.049  | ng    | # 94      |
| 20) 3+4-Methylphenols         | 9.128  | 107  | 20279    | 38.927  | ng    | 95        |
| 22) Acetophenone              | 9.199  | 105  | 27232    | 46.353  | ng    | # 97      |
| 24) Nitrobenzene              | 9.592  | 77   | 17449    | 39.053  | ng    | 98        |
| 25) Isophorone                | 10.110 | 82   | 33176    | 40.933  | ng    | 98        |
| 26) 2-Nitrophenol             | 10.303 | 139  | 10032    | 48.638  | ng    | 93        |
| 27) 2,4-Dimethylphenol        | 10.345 | 122  | 15425m   | 49.137  | ng    |           |
| 28) bis(2-Chloroethoxy)met... | 10.585 | 93   | 14729    | 33.851  | ng    | 99        |
| 29) 2,4-Dichlorophenol        | 10.838 | 162  | 22614    | 60.186  | ng    | 96        |
| 30) 1,2,4-Trichlorobenzene    | 11.061 | 180  | 29520    | 67.626  | ng    | 98        |
| 31) Naphthalene               | 11.261 | 128  | 59080    | 48.339  | ng    | 98        |
| 32) Benzoic acid              | 10.462 | 122  | 13274    | 51.396  | ng    | # 86      |
| 33) 4-Chloroaniline           | 11.349 | 127  | 24352    | 48.300  | ng    | 98        |
| 34) Hexachlorobutadiene       | 11.537 | 225  | 28213    | 94.652  | ng    | 94        |
| 35) Caprolactam               | 12.119 | 113  | 5914     | 45.484  | ng    | 90        |
| 36) 4-Chloro-3-methylphenol   | 12.436 | 107  | 21056    | 50.987  | ng    | 94        |
| 37) 2-Methylnaphthalene       | 12.836 | 142  | 51525    | 56.304  | ng    | 98        |
| 38) 1-Methylnaphthalene       | 13.053 | 142  | 48976    | 55.129  | ng    | 95        |
| 40) 1,2,4,5-Tetrachloroben... | 13.194 | 216  | 44993    | 67.357  | ng    | 99        |
| 41) Hexachlorocyclopentadiene | 13.176 | 237  | 27688    | 82.242  | ng    | 94        |
| 43) 2,4,6-Trichlorophenol     | 13.417 | 196  | 27564    | 60.493  | ng    | 95        |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.488 | 196  | 30053    | 60.018 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.823 | 154  | 70695    | 45.640 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.870 | 162  | 57601    | 47.843 | ng    | 95       |
| 48) 2-Nitroaniline            | 14.058 | 65   | 11686    | 29.523 | ng    | 97       |
| 49) Acenaphthylene            | 14.710 | 152  | 90513    | 45.654 | ng    | 100      |
| 50) Dimethylphthalate         | 14.422 | 163  | 86150    | 50.843 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.540 | 165  | 15677    | 45.249 | ng    | # 88     |
| 52) Acenaphthene              | 15.045 | 154  | 60462    | 46.662 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.869 | 138  | 14114    | 37.110 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 15.063 | 184  | 9939     | 49.894 | ng    | # 29     |
| 55) Dibenzofuran              | 15.374 | 168  | 101271   | 50.663 | ng    | 100      |
| 56) 4-Nitrophenol             | 15.145 | 139  | 11715    | 39.246 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.321 | 165  | 21710    | 44.444 | ng    | # 98     |
| 58) Fluorene                  | 16.020 | 166  | 81674    | 51.158 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.585 | 232  | 34163    | 70.412 | ng    | # 99     |
| 60) Diethylphthalate          | 15.773 | 149  | 81855    | 47.781 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 16.003 | 204  | 55627    | 63.386 | ng    | 99       |
| 62) 4-Nitroaniline            | 16.026 | 138  | 15686    | 39.454 | ng    | 96       |
| 63) Azobenzene                | 16.296 | 77   | 51604    | 34.503 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 16.079 | 198  | 14061    | 43.563 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 16.214 | 169  | 74215    | 46.588 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.896 | 248  | 41984    | 63.746 | ng    | 98       |
| 68) Hexachlorobenzene         | 17.019 | 284  | 51744    | 70.854 | ng    | 96       |
| 69) Atrazine                  | 17.148 | 200  | 31879    | 50.599 | ng    | 97       |
| 70) Pentachlorophenol         | 17.354 | 266  | 30479    | 68.225 | ng    | 96       |
| 71) Phenanthrene              | 17.759 | 178  | 148709   | 47.673 | ng    | 98       |
| 72) Anthracene                | 17.848 | 178  | 143714   | 47.418 | ng    | 100      |
| 73) Carbazole                 | 18.112 | 167  | 117728   | 43.208 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.652 | 149  | 136018   | 40.204 | ng    | 99       |
| 75) Fluoranthene              | 19.745 | 202  | 201109   | 52.994 | ng    | 100      |
| 77) Benzidine                 | 19.910 | 184  | 44195    | 27.395 | ng    | 98       |
| 78) Pyrene                    | 20.110 | 202  | 202380   | 42.876 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.979 | 149  | 60095    | 32.522 | ng    | 99       |
| 81) Benzo(a)anthracene        | 22.007 | 228  | 237581   | 49.465 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.902 | 252  | 85486    | 50.653 | ng    | 100      |
| 83) Chrysene                  | 22.078 | 228  | 221970   | 48.545 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.884 | 149  | 87700    | 33.024 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 23.200 | 149  | 151330   | 33.299 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.551 | 276  | 319616   | 48.209 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 24.405 | 252  | 257186   | 48.798 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.481 | 252  | 258780   | 49.257 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.356 | 252  | 218900   | 48.400 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.622 | 278  | 265191   | 48.949 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 30.826 | 276  | 257255   | 47.113 | ng    | 97       |

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

