

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051223\  
 Data File : BG057430.D  
 Acq On : 13 May 2023 6:49  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/15/2023  
 Supervised By : Yogesh Patel 05/16/2023

Quant Time: May 13 07:24:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 12 22:04:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.363  | 152  | 19296    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.201 | 136  | 77494    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.978 | 164  | 60917    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.715 | 188  | 151813   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 22.027 | 240  | 135860   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.523 | 264  | 148192   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.879  | 112  | 86139    | 76.363 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.506  | 99   | 134298   | 78.402 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.544  | 82   | 139371   | 75.483 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.458 | 330  | 73764    | 85.341 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.603 | 172  | 359472   | 79.475 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.283 | 244  | 633472   | 76.091 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.676  | 88   | 16751    | 35.915 | ng    | 95       |
| 3) Pyridine                   | 4.099  | 79   | 56035    | 37.384 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 4.011  | 42   | 24596    | 34.919 | ng    | # 90     |
| 6) Aniline                    | 7.676  | 93   | 83330    | 38.348 | ng    | 94       |
| 8) 2-Chlorophenol             | 7.923  | 128  | 46084    | 38.663 | ng    | 97       |
| 9) Benzaldehyde               | 7.488  | 77   | 34050    | 36.950 | ng    | 98       |
| 10) Phenol                    | 7.529  | 94   | 64562    | 38.664 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.764  | 93   | 46944    | 37.283 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.252  | 146  | 50893    | 38.686 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.399  | 146  | 51827    | 39.221 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.722  | 146  | 49098    | 38.488 | ng    | 98       |
| 15) Benzyl Alcohol            | 8.598  | 79   | 53884    | 37.760 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.875  | 45   | 56070    | 35.330 | ng    | 97       |
| 17) 2-Methylphenol            | 8.798  | 107  | 47887    | 39.784 | ng    | 99       |
| 18) Hexachloroethane          | 9.456  | 117  | 18093    | 37.941 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.162  | 70   | 47461    | 36.337 | ng    | 99       |
| 20) 3+4-Methylphenols         | 9.127  | 107  | 66288    | 40.219 | ng    | 95       |
| 22) Acetophenone              | 9.192  | 105  | 83314    | 37.563 | ng    | 97       |
| 24) Nitrobenzene              | 9.585  | 77   | 70292    | 37.719 | ng    | 99       |
| 25) Isophorone                | 10.102 | 82   | 131044   | 36.601 | ng    | 99       |
| 26) 2-Nitrophenol             | 10.302 | 139  | 29528    | 41.394 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 10.343 | 122  | 51154    | 40.954 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.578 | 93   | 65606    | 36.577 | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.842 | 162  | 55147    | 41.627 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 11.060 | 180  | 59605    | 39.008 | ng    | 97       |
| 31) Naphthalene               | 11.254 | 128  | 160424   | 38.722 | ng    | 99       |
| 32) Benzoic acid              | 10.496 | 122  | 27360m   | 38.970 | ng    |          |
| 33) 4-Chloroaniline           | 11.354 | 127  | 75001    | 40.312 | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.518 | 225  | 44008    | 38.814 | ng    | 97       |
| 35) Caprolactam               | 12.129 | 113  | 17883    | 39.517 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.452 | 107  | 62397    | 41.446 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.828 | 142  | 131663   | 40.420 | ng    | 95       |
| 38) 1-Methylnaphthalene       | 13.045 | 142  | 122695   | 39.963 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.186 | 216  | 87222    | 40.332 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.163 | 237  | 39088    | 40.939 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.427 | 196  | 54161    | 41.108 | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.504 | 196  | 63398    | 40.907 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.815 | 154  | 179177   | 39.639 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.868 | 162  | 132975   | 39.560 | ng    | 99       |
| 48) 2-Nitroaniline            | 14.062 | 65   | 45558    | 39.861 | ng    | 97       |
| 49) Acenaphthylene            | 14.708 | 152  | 217736   | 39.871 | ng    | 97       |
| 50) Dimethylphthalate         | 14.414 | 163  | 187623   | 37.480 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.543 | 165  | 42659    | 41.738 | ng    | 89       |
| 52) Acenaphthene              | 15.043 | 154  | 133184   | 39.029 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.878 | 138  | 40098    | 39.161 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 15.095 | 184  | 23692    | 40.047 | ng    | 98       |
| 55) Dibenzofuran              | 15.372 | 168  | 227881   | 39.745 | ng    | 99       |
| 56) 4-Nitrophenol             | 15.184 | 139  | 26460    | 38.854 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 15.330 | 165  | 59465    | 40.710 | ng    | 98       |
| 58) Fluorene                  | 16.018 | 166  | 186559   | 39.503 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.595 | 232  | 56956    | 40.536 | ng    | 99       |
| 60) Diethylphthalate          | 15.759 | 149  | 191721   | 37.713 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.994 | 204  | 111898   | 39.330 | ng    | 96       |
| 62) 4-Nitroaniline            | 16.035 | 138  | 41254    | 39.937 | ng    | 93       |
| 63) Azobenzene                | 16.288 | 77   | 175503   | 35.780 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 16.100 | 198  | 39714    | 43.816 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 16.212 | 169  | 161940   | 39.275 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.887 | 248  | 73744    | 39.792 | ng    | 96       |
| 68) Hexachlorobenzene         | 17.022 | 284  | 74128    | 41.161 | ng    | 97       |
| 69) Atrazine                  | 17.146 | 200  | 61679    | 39.214 | ng    | 99       |
| 70) Pentachlorophenol         | 17.369 | 266  | 41217    | 39.711 | ng    | 97       |
| 71) Phenanthrene              | 17.762 | 178  | 303707   | 39.041 | ng    | 100      |
| 72) Anthracene                | 17.851 | 178  | 313380   | 39.260 | ng    | 99       |
| 73) Carbazole                 | 18.115 | 167  | 261847   | 38.966 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.632 | 149  | 303876   | 39.303 | ng    | 98       |
| 75) Fluoranthene              | 19.748 | 202  | 379442   | 39.218 | ng    | 98       |
| 77) Benzidine                 | 19.913 | 184  | 80470    | 26.494 | ng    | 99       |
| 78) Pyrene                    | 20.112 | 202  | 383856   | 38.882 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.958 | 149  | 133213   | 42.527 | ng    | 95       |
| 81) Benzo(a)anthracene        | 22.004 | 228  | 379150   | 39.170 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.898 | 252  | 125514   | 40.483 | ng    | 98       |
| 83) Chrysene                  | 22.074 | 228  | 357445   | 39.248 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.845 | 149  | 188983   | 40.776 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 23.143 | 149  | 321655   | 41.630 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.582 | 276  | 421268   | 39.005 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 24.406 | 252  | 374140   | 38.622 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.477 | 252  | 370209   | 37.608 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.364 | 252  | 361671   | 38.215 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 29.641 | 278  | 348963   | 38.797 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.857 | 276  | 341593   | 38.895 | ng    | 99       |

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

