

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102822\  
 Data File : BG055335.D  
 Acq On : 28 Oct 2022 10:19  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022  
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 29 04:27:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 24 16:54:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.267  | 152  | 31954    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.099 | 136  | 131026   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.883 | 164  | 87562    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 210159   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.892 | 240  | 199711   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.282 | 264  | 219678   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.788  | 112  | 147182   | 80.651 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.409  | 99   | 195358   | 73.890 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.442  | 82   | 199325   | 77.681 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 90337    | 94.904 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.508 | 172  | 454291   | 84.918 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.183 | 244  | 803863   | 83.630 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.596  | 88   | 33155    | 37.627 | ng    | 98       |
| 3) Pyridine                   | 4.019  | 79   | 97989    | 36.928 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.931  | 42   | 40086    | 34.002 | ng    | # 93     |
| 6) Aniline                    | 7.580  | 93   | 123129   | 35.575 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.826  | 128  | 82574    | 38.920 | ng    | 98       |
| 9) Benzaldehyde               | 7.392  | 77   | 60754    | 33.655 | ng    | 99       |
| 10) Phenol                    | 7.439  | 94   | 108860   | 36.759 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.674  | 93   | 82791    | 37.034 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.155  | 146  | 95011    | 41.043 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.302  | 146  | 95779    | 40.507 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.625  | 146  | 90841    | 39.903 | ng    | 98       |
| 15) Benzyl Alcohol            | 8.502  | 79   | 79126    | 35.763 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.790  | 45   | 119220   | 32.587 | ng    | 97       |
| 17) 2-Methylphenol            | 8.702  | 107  | 76516    | 36.534 | ng    | 99       |
| 18) Hexachloroethane          | 9.360  | 117  | 33682    | 40.004 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 9.072  | 70   | 73456    | 33.457 | ng    | 95       |
| 20) 3+4-Methylphenols         | 9.037  | 107  | 107209   | 35.740 | ng    | 99       |
| 22) Acetophenone              | 9.095  | 105  | 133953   | 39.989 | ng    | # 95     |
| 24) Nitrobenzene              | 9.483  | 77   | 104284   | 39.032 | ng    | 97       |
| 25) Isophorone                | 10.006 | 82   | 192526   | 37.147 | ng    | 97       |
| 26) 2-Nitrophenol             | 10.200 | 139  | 51220    | 43.777 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.247 | 122  | 73269m   | 40.113 | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.482 | 93   | 102503   | 39.171 | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.741 | 162  | 83921    | 42.828 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.958 | 180  | 90746    | 45.375 | ng    | 99       |
| 31) Naphthalene               | 11.146 | 128  | 281996   | 40.344 | ng    | 100      |
| 32) Benzoic acid              | 10.394 | 122  | 40481    | 30.946 | ng    | 99       |
| 33) 4-Chloroaniline           | 11.246 | 127  | 117848   | 39.436 | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.422 | 225  | 55985    | 48.995 | ng    | 97       |
| 35) Caprolactam               | 12.021 | 113  | 32696    | 35.952 | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 12.356 | 107  | 94774    | 38.438 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.732 | 142  | 198465   | 39.381 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.950 | 142  | 193725   | 38.965 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 13.091 | 216  | 97813    | 46.315 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.067 | 237  | 37508    | 38.971 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.326 | 196  | 70631    | 45.282 | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.402 | 196  | 77702    | 45.038 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.719 | 154  | 251129   | 41.816 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.772 | 162  | 202083   | 42.672 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.966 | 65   | 70074    | 37.836 | ng    | 91       |
| 49) Acenaphthylene            | 14.607 | 152  | 331673   | 40.571 | ng    | 99       |
| 50) Dimethylphthalate         | 14.325 | 163  | 284740   | 41.417 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.448 | 165  | 59623    | 42.620 | ng    | 95       |
| 52) Acenaphthene              | 14.942 | 154  | 213744m  | 41.018 | ng    |          |
| 53) 3-Nitroaniline            | 14.777 | 138  | 72535    | 41.253 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.994 | 184  | 31875    | 41.005 | ng    | 92       |
| 55) Dibenzofuran              | 15.276 | 168  | 324105   | 41.457 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.083 | 139  | 51850    | 41.229 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 15.235 | 165  | 89087    | 43.883 | ng    | 88       |
| 58) Fluorene                  | 15.917 | 166  | 265796   | 40.860 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.500 | 232  | 67649    | 43.983 | ng    | 94       |
| 60) Diethylphthalate          | 15.670 | 149  | 307324   | 42.024 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.899 | 204  | 131650   | 44.041 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.935 | 138  | 77730    | 42.068 | ng    | 98       |
| 63) Azobenzene                | 16.193 | 77   | 269420   | 37.816 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.993 | 198  | 53121    | 45.979 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 16.117 | 169  | 236790   | 40.480 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.792 | 248  | 90059    | 44.108 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.922 | 284  | 102206   | 44.272 | ng    | 94       |
| 69) Atrazine                  | 17.051 | 200  | 89916    | 45.205 | ng    | 98       |
| 70) Pentachlorophenol         | 17.268 | 266  | 50214    | 39.821 | ng    | 96       |
| 71) Phenanthrene              | 17.656 | 178  | 457026   | 40.777 | ng    | 99       |
| 72) Anthracene                | 17.744 | 178  | 450291   | 41.097 | ng    | 99       |
| 73) Carbazole                 | 18.009 | 167  | 430365   | 40.837 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.537 | 149  | 569290   | 43.214 | ng    | 100      |
| 75) Fluoranthene              | 19.642 | 202  | 546502   | 41.846 | ng    | 98       |
| 77) Benzidine                 | 19.812 | 184  | 179440   | 37.108 | ng    | 99       |
| 78) Pyrene                    | 20.006 | 202  | 555954   | 40.613 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.858 | 149  | 244769   | 37.839 | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.869 | 228  | 533917   | 39.812 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.769 | 252  | 183615   | 42.038 | ng    | 100      |
| 83) Chrysene                  | 21.939 | 228  | 506460   | 39.757 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.734 | 149  | 351195   | 38.005 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.997 | 149  | 600063   | 38.979 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.213 | 276  | 670441   | 41.321 | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 24.201 | 252  | 536014   | 40.564 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.272 | 252  | 531190   | 39.810 | ng    | 97       |
| 90) Benzo(a)pyrene            | 25.124 | 252  | 455783   | 40.222 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.260 | 278  | 562669   | 42.258 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.435 | 276  | 548110   | 41.503 | ng    | 97       |

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

