

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080222\  
 Data File : BG054477.D  
 Acq On : 2 Aug 2022 10:35  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Aug 03 04:12:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 04:30:50 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian  
 Giraldo

08/03/2022

Supervised By :Jagrut  
 Upadhyay

08/04/2022

Supervised By :Jagrut  
 Upadhyay

08/04/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.982  | 152  | 16348    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.796 | 136  | 64428    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.627 | 164  | 52505    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.371 | 188  | 137502   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.642 | 240  | 146652   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.850 | 264  | 155679   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.561  | 112  | 65710    | 83.921 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.177  | 99   | 90569    | 84.416 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.151  | 82   | 95032    | 80.325 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.119 | 330  | 79676    | 72.274 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.246 | 172  | 283102   | 76.063 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.980 | 244  | 598714   | 80.990 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.399  | 88   | 11779    | 37.813 | ng    | 95       |
| 3) Pyridine                   | 3.810  | 79   | 35392    | 44.788 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.722  | 42   | 19618    | 44.399 | ng    | # 79     |
| 6) Aniline                    | 7.306  | 93   | 53079    | 42.860 | ng    | 97       |
| 8) 2-Chlorophenol             | 7.559  | 128  | 37723    | 41.923 | ng    | 94       |
| 9) Benzaldehyde               | 7.118  | 77   | 23342m   | 43.156 | ng    |          |
| 10) Phenol                    | 7.206  | 94   | 46044    | 43.194 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.400  | 93   | 33006    | 42.466 | ng    | 89       |
| 12) 1,3-Dichlorobenzene       | 7.870  | 146  | 46325    | 42.254 | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 8.017  | 146  | 46518    | 41.087 | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.340  | 146  | 44007    | 41.218 | ng    | 94       |
| 15) Benzyl Alcohol            | 8.229  | 79   | 37145    | 42.094 | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.511  | 45   | 43422    | 44.360 | ng    | 93       |
| 17) 2-Methylphenol            | 8.452  | 107  | 32179    | 41.882 | ng    | 93       |
| 18) Hexachloroethane          | 9.063  | 117  | 16180    | 43.160 | ng    | # 68     |
| 19) n-Nitroso-di-n-propyla... | 8.787  | 70   | 30249    | 42.220 | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.781  | 107  | 46268    | 42.739 | ng    | 96       |
| 22) Acetophenone              | 8.810  | 105  | 61777    | 39.867 | ng    | 96       |
| 24) Nitrobenzene              | 9.192  | 77   | 47515    | 41.095 | ng    | # 86     |
| 25) Isophorone                | 9.715  | 82   | 83928    | 40.789 | ng    | # 91     |
| 26) 2-Nitrophenol             | 9.909  | 139  | 23578    | 40.456 | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 9.980  | 122  | 32773    | 40.706 | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 10.191 | 93   | 41911    | 40.386 | ng    | # 97     |
| 29) 2,4-Dichlorophenol        | 10.461 | 162  | 47838    | 39.365 | ng    | 87       |
| 30) 1,2,4-Trichlorobenzene    | 10.661 | 180  | 60275    | 40.048 | ng    | # 92     |
| 31) Naphthalene               | 10.843 | 128  | 128697   | 39.793 | ng    | 98       |
| 32) Benzoic acid              | 10.144 | 122  | 9532m    | 32.732 | ng    |          |
| 33) 4-Chloroaniline           | 10.955 | 127  | 52620    | 40.009 | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.125 | 225  | 51588    | 38.785 | ng    | 95       |
| 35) Caprolactam               | 11.736 | 113  | 13002    | 42.492 | ng    | # 81     |
| 36) 4-Chloro-3-methylphenol   | 12.112 | 107  | 44463    | 40.218 | ng    | 88       |
| 37) 2-Methylnaphthalene       | 12.453 | 142  | 99034    | 39.875 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.671 | 142  | 95373    | 39.409 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.823 | 216  | 87118    | 37.872 | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.800 | 237  | 32372    | 47.227 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.076 | 196  | 47739    | 38.115 | ng    | 97       |

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| 44) 2,4,5-Trichlorophenol     | 13.164 | 196  | 50276m   | 35.526 | ng    |          |
| 46) 1,1'-Biphenyl             | 13.458 | 154  | 137773   | 38.355 | ng    |          |
| 47) 2-Chloronaphthalene       | 13.505 | 162  | 116264   | 38.676 | ng    |          |
| 48) 2-Nitroaniline            | 13.711 | 65   | 31567    | 40.237 | ng    | #        |
| 49) Acenaphthylene            | 14.351 | 152  | 171438   | 38.381 | ng    |          |
| 50) Dimethylphthalate         | 14.075 | 163  | 158951   | 38.758 | ng    |          |
| 51) 2,6-Dinitrotoluene        | 14.204 | 165  | 35617    | 39.595 | ng    | #        |
| 52) Acenaphthene              | 14.692 | 154  | 104352   | 38.580 | ng    |          |
| 53) 3-Nitroaniline            | 14.539 | 138  | 29886    | 39.725 | ng    |          |
| 54) 2,4-Dinitrophenol         | 14.762 | 184  | 18668    | 39.404 | ng    | #        |
| 55) Dibenzofuran              | 15.021 | 168  | 183333   | 38.093 | ng    |          |
| 56) 4-Nitrophenol             | 14.897 | 139  | 18158    | 36.176 | ng    |          |
| 57) 2,4-Dinitrotoluene        | 14.997 | 165  | 51370    | 39.835 | ng    | #        |
| 58) Fluorene                  | 15.673 | 166  | 153304   | 38.743 | ng    |          |
| 59) 2,3,4,6-Tetrachlorophenol | 15.268 | 232  | 44145    | 32.040 | ng    | #        |
| 60) Diethylphthalate          | 15.432 | 149  | 152885   | 38.859 | ng    |          |
| 61) 4-Chlorophenyl-phenyle... | 15.655 | 204  | 100386   | 38.649 | ng    | #        |
| 62) 4-Nitroaniline            | 15.702 | 138  | 31214    | 39.492 | ng    |          |
| 63) Azobenzene                | 15.955 | 77   | 111999   | 39.399 | ng    |          |
| 65) 4,6-Dinitro-2-methylph... | 15.773 | 198  | 31398    | 36.961 | ng    |          |
| 66) n-Nitrosodiphenylamine    | 15.873 | 169  | 134816   | 39.271 | ng    |          |
| 67) 4-Bromophenyl-phenylether | 16.554 | 248  | 74978    | 38.826 | ng    | #        |
| 68) Hexachlorobenzene         | 16.684 | 284  | 84691    | 38.349 | ng    | #        |
| 69) Atrazine                  | 16.825 | 200  | 59217    | 38.763 | ng    |          |
| 70) Pentachlorophenol         | 17.042 | 266  | 33372    | 36.974 | ng    |          |
| 71) Phenanthrene              | 17.418 | 178  | 264655   | 38.650 | ng    |          |
| 72) Anthracene                | 17.506 | 178  | 258764   | 38.509 | ng    |          |
| 73) Carbazole                 | 17.776 | 167  | 213743   | 38.636 | ng    |          |
| 74) Di-n-butylphthalate       | 18.323 | 149  | 256064   | 39.223 | ng    |          |
| 75) Fluoranthene              | 19.427 | 202  | 343468   | 36.796 | ng    |          |
| 77) Benzidine                 | 19.598 | 184  | 115686   | 43.557 | ng    |          |
| 78) Pyrene                    | 19.792 | 202  | 343279   | 40.795 | ng    |          |
| 80) Butylbenzylphthalate      | 20.661 | 149  | 107255   | 40.901 | ng    | #        |
| 81) Benzo(a)anthracene        | 21.619 | 228  | 359988   | 38.669 | ng    |          |
| 82) 3,3'-Dichlorobenzidine    | 21.531 | 252  | 114064   | 39.397 | ng    | #        |
| 83) Chrysene                  | 21.689 | 228  | 339242   | 38.571 | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 21.513 | 149  | 147636   | 39.788 | ng    | #        |
| 85) Di-n-octyl phthalate      | 22.706 | 149  | 251364   | 39.708 | ng    | #        |
| 87) Indeno(1,2,3-cd)pyrene    | 28.546 | 276  | 454055   | 38.339 | ng    | #        |
| 88) Benzo(b)fluoranthene      | 23.834 | 252  | 356269   | 38.697 | ng    | #        |
| 89) Benzo(k)fluoranthene      | 23.899 | 252  | 354071   | 38.643 | ng    | #        |
| 90) Benzo(a)pyrene            | 24.698 | 252  | 302202   | 38.435 | ng    |          |
| 91) Dibenzo(a,h)anthracene    | 28.581 | 278  | 375719   | 38.581 | ng    | #        |
| 92) Benzo(g,h,i)perylene      | 29.686 | 276  | 370455   | 38.543 | ng    | #        |

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

