

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040523\  
 Data File : BG056998.D  
 Acq On : 5 Apr 2023 20:01  
 Operator : CG/JU  
 Sample : 02104-02MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-37-SB02MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/06/2023  
 Supervised By : Jagrut Upadhyay 04/06/2023

Quant Time: Apr 06 02:03:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 01:57:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.409  | 152  | 14705    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.253 | 136  | 62371    | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 15.024 | 164  | 48456    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.767 | 188  | 112969   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.091 | 240  | 91677    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.633 | 264  | 100061   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.919  | 112  | 112778   | 122.744 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.546  | 99   | 168159   | 122.370 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.590  | 82   | 107549   | 70.556  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.510 | 330  | 89517    | 115.640 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.655 | 172  | 230522   | 64.510  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.334 | 244  | 324491   | 59.894  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.722  | 88   | 14953    | 37.125  | ng    | # 94     |
| 3) Pyridine                   | 4.145  | 79   | 43172    | 33.279  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 4.051  | 42   | 25051    | 42.001  | ng    | 91       |
| 6) Aniline                    | 7.722  | 93   | 24765    | 14.097  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.969  | 128  | 48804    | 53.327  | ng    | 98       |
| 9) Benzaldehyde               | 7.528  | 77   | 37014    | 42.944  | ng    | 92       |
| 10) Phenol                    | 7.569  | 94   | 70429    | 51.724  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.810  | 93   | 42587    | 43.907  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 8.298  | 146  | 49235    | 48.688  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.450  | 146  | 50364    | 49.347  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.774  | 146  | 48661    | 49.350  | ng    | 94       |
| 15) Benzyl Alcohol            | 8.644  | 79   | 54166    | 47.438  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.932  | 45   | 52707    | 45.090  | ng    | 95       |
| 17) 2-Methylphenol            | 8.844  | 107  | 48525    | 49.951  | ng    | 90       |
| 18) Hexachloroethane          | 9.514  | 117  | 18708    | 50.151  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 9.214  | 70   | 42774    | 43.518  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 9.173  | 107  | 64117    | 47.200  | ng    | 97       |
| 22) Acetophenone              | 9.244  | 105  | 80065    | 43.140  | ng    | # 97     |
| 24) Nitrobenzene              | 9.637  | 77   | 66960    | 42.966  | ng    | 98       |
| 25) Isophorone                | 10.154 | 82   | 118556   | 40.844  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.354 | 139  | 28667    | 47.656  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.389 | 122  | 50119    | 47.190  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.630 | 93   | 61419    | 42.265  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.888 | 162  | 56542    | 49.502  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 11.112 | 180  | 55905    | 46.064  | ng    | 99       |
| 31) Naphthalene               | 11.305 | 128  | 152257   | 44.786  | ng    | 99       |
| 32) Benzoic acid              | 10.489 | 122  | 21810m   | 29.895  | ng    |          |
| 33) 4-Chloroaniline           | 11.399 | 127  | 19134    | 12.462  | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.582 | 225  | 41321    | 45.325  | ng    | 93       |
| 35) Caprolactam               | 12.181 | 113  | 18533    | 47.049  | ng    | # 86     |
| 36) 4-Chloro-3-methylphenol   | 12.492 | 107  | 59635    | 46.686  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.880 | 142  | 114880   | 42.577  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 13.097 | 142  | 108208   | 42.709  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.244 | 216  | 79187    | 47.126  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.215 | 237  | 85722    | 92.591  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.467 | 196  | 53708    | 50.088  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.544 | 196  | 58340    | 45.927  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.867 | 154  | 165520   | 46.663  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.914 | 162  | 125178   | 47.715  | ng    | 98       |
| 48) 2-Nitroaniline            | 14.108 | 65   | 42589    | 45.401  | ng    | 97       |
| 49) Acenaphthylene            | 14.754 | 152  | 192469   | 44.653  | ng    | 99       |
| 50) Dimethylphthalate         | 14.460 | 163  | 165983   | 43.474  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.589 | 165  | 37261    | 45.170  | ng    | 96       |
| 52) Acenaphthene              | 15.094 | 154  | 156568m  | 52.668  | ng    |          |
| 53) 3-Nitroaniline            | 14.918 | 138  | 14557    | 17.828  | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 15.130 | 184  | 47449    | 102.192 | ng    | 93       |
| 55) Dibenzofuran              | 15.423 | 168  | 200185   | 44.867  | ng    | 97       |
| 56) 4-Nitrophenol             | 15.218 | 139  | 59285    | 98.189  | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 15.371 | 165  | 52436    | 45.069  | ng    | 99       |
| 58) Fluorene                  | 16.070 | 166  | 165442   | 44.810  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.641 | 232  | 55947    | 48.373  | ng    | # 99     |
| 60) Diethylphthalate          | 15.811 | 149  | 166521   | 43.506  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 16.046 | 204  | 96231    | 44.393  | ng    | 98       |
| 62) 4-Nitroaniline            | 16.081 | 138  | 36166    | 42.751  | ng    | 93       |
| 63) Azobenzene                | 16.340 | 77   | 172194   | 45.143  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 16.134 | 198  | 36162    | 52.854  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 16.263 | 169  | 139857   | 46.118  | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.939 | 248  | 63693    | 45.567  | ng    | 97       |
| 68) Hexachlorobenzene         | 17.068 | 284  | 68310    | 49.431  | ng    | 100      |
| 69) Atrazine                  | 17.192 | 200  | 60089    | 47.734  | ng    | 96       |
| 70) Pentachlorophenol         | 17.409 | 266  | 85317    | 86.056  | ng    | 98       |
| 71) Phenanthrene              | 17.808 | 178  | 285228   | 49.521  | ng    | 99       |
| 72) Anthracene                | 17.902 | 178  | 269388   | 45.625  | ng    | 98       |
| 73) Carbazole                 | 18.161 | 167  | 236543   | 45.949  | ng    | 96       |
| 74) Di-n-butylphthalate       | 18.684 | 149  | 261889   | 43.932  | ng    | 99       |
| 75) Fluoranthene              | 19.794 | 202  | 329896   | 45.183  | ng    | 98       |
| 77) Benzidine                 | 19.958 | 184  | 68426    | 27.307  | ng    | 98       |
| 78) Pyrene                    | 20.158 | 202  | 323424   | 51.006  | ng    | 98       |
| 80) Butylbenzylphthalate      | 21.016 | 149  | 106835   | 48.962  | ng    | 95       |
| 81) Benzo(a)anthracene        | 22.067 | 228  | 301176   | 47.474  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.962 | 252  | 53033    | 24.756  | ng    | 99       |
| 83) Chrysene                  | 22.138 | 228  | 279783   | 47.101  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.920 | 149  | 147141   | 46.569  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.236 | 149  | 244376   | 45.897  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.728 | 276  | 351740   | 47.565  | ng    | # 76     |
| 88) Benzo(b)fluoranthene      | 24.499 | 252  | 306482   | 48.981  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.576 | 252  | 294970   | 47.220  | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.469 | 252  | 267441   | 43.496  | ng    | # 99     |
| 91) Dibenzo(a,h)anthracene    | 29.792 | 278  | 289868   | 47.687  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 31.032 | 276  | 282032   | 47.384  | ng    | 98       |

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

