

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042621\  
 Data File : BG048886.D  
 Acq On : 26 Apr 2021 20:54  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

mohammad  
 4/27/2021 12:11:08 PM

Quant Time: Apr 27 05:45:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 27 04:39:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.044  | 152  | 23157    | 20.00 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.865 | 136  | 90767    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.684 | 164  | 63154    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.433 | 188  | 155797   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.722 | 240  | 146963   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.995 | 264  | 144330   | 20.00 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.594  | 112  | 110147   | 79.55 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.210  | 99   | 160658   | 82.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.214  | 82   | 172149   | 84.91 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.176 | 330  | 68041    | 80.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.303 | 172  | 372258   | 85.12 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.042 | 244  | 690593   | 80.88 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.450  | 88   | 21347    | 39.35 | ng    | 94       |
| 3) Pyridine                   | 3.855  | 79   | 55790    | 39.45 | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.767  | 42   | 38849    | 35.98 | ng    | 93       |
| 6) Aniline                    | 7.363  | 93   | 88859    | 40.43 | ng    | # 92     |
| 8) 2-Chlorophenol             | 7.610  | 128  | 63126    | 42.98 | ng    | 95       |
| 9) Benzaldehyde               | 7.175  | 77   | 52518    | 40.47 | ng    | 90       |
| 10) Phenol                    | 7.239  | 94   | 81013    | 42.07 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.457  | 93   | 52391    | 40.37 | ng    | 87       |
| 12) 1,3-Dichlorobenzene       | 7.933  | 146  | 66989    | 39.67 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.080  | 146  | 68773    | 39.96 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.397  | 146  | 65860    | 41.47 | ng    | 93       |
| 15) Benzyl Alcohol            | 8.285  | 79   | 72159    | 41.81 | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.567  | 45   | 57057    | 40.56 | ng    | 94       |
| 17) 2-Methylphenol            | 8.491  | 107  | 50288    | 40.90 | ng    | 93       |
| 18) Hexachloroethane          | 9.125  | 117  | 25998    | 38.46 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.843  | 70   | 55765    | 42.20 | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.826  | 107  | 72197    | 42.56 | ng    | 90       |
| 22) Acetophenone              | 8.867  | 105  | 96914    | 41.02 | ng    | # 95     |
| 24) Nitrobenzene              | 9.255  | 77   | 88582    | 43.80 | ng    | 99       |
| 25) Isophorone                | 9.772  | 82   | 147178   | 41.05 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.966  | 139  | 38100    | 43.53 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 10.024 | 122  | 57740    | 42.91 | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 10.254 | 93   | 67642    | 43.31 | ng    | # 94     |
| 29) 2,4-Dichlorophenol        | 10.512 | 162  | 63661    | 41.95 | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 10.718 | 180  | 72728    | 41.33 | ng    | 98       |
| 31) Naphthalene               | 10.912 | 128  | 197599   | 42.43 | ng    | 97       |
| 32) Benzoic acid              | 10.248 | 122  | 11446m   | 14.52 | ng    |          |
| 33) 4-Chloroaniline           | 11.017 | 127  | 83058    | 42.86 | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.188 | 225  | 53094    | 40.64 | ng    | 94       |
| 35) Caprolactam               | 11.799 | 113  | 23116    | 44.83 | ng    | # 83     |
| 36) 4-Chloro-3-methylphenol   | 12.145 | 107  | 75279    | 43.80 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.516 | 142  | 153041   | 41.12 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.733 | 142  | 147045   | 42.46 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.880 | 216  | 88217    | 42.92 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.856 | 237  | 36275    | 35.85 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.121 | 196  | 53537    | 39.02 | ng    | 97       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.203 | 196  | 60253    | 41.36 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 13.514 | 154  | 198637   | 42.58 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.561 | 162  | 155946   | 43.76 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.767 | 65   | 59106    | 46.16 | ng    | 99       |
| 49) Acenaphthylene            | 14.407 | 152  | 242740   | 43.66 | ng    | 97       |
| 50) Dimethylphthalate         | 14.137 | 163  | 206646   | 43.62 | ng    | 96       |
| 51) 2,6-Dinitrotoluene        | 14.261 | 165  | 48654    | 44.52 | ng    | 93       |
| 52) Acenaphthene              | 14.748 | 154  | 153814   | 43.57 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.595 | 138  | 46856    | 44.66 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.807 | 184  | 22762    | 37.69 | ng    | 90       |
| 55) Dibenzofuran              | 15.083 | 168  | 254261   | 43.51 | ng    | 95       |
| 56) 4-Nitrophenol             | 14.913 | 139  | 30399    | 39.11 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.048 | 165  | 71137    | 44.82 | ng    | 99       |
| 58) Fluorene                  | 15.735 | 166  | 209323   | 43.61 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.312 | 232  | 50586    | 37.53 | ng    | # 99     |
| 60) Diethylphthalate          | 15.489 | 149  | 214473   | 43.76 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.718 | 204  | 114983   | 43.56 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.759 | 138  | 51395    | 45.82 | ng    | 91       |
| 63) Azobenzene                | 16.011 | 77   | 215433   | 43.65 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.818 | 198  | 37138    | 35.61 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 15.935 | 169  | 183572   | 41.69 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.617 | 248  | 75186    | 41.93 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.740 | 284  | 77212    | 42.51 | ng    | 98       |
| 69) Atrazine                  | 16.881 | 200  | 73859    | 40.34 | ng    | 96       |
| 70) Pentachlorophenol         | 17.087 | 266  | 37469    | 38.71 | ng    | 95       |
| 71) Phenanthrene              | 17.480 | 178  | 348370   | 43.08 | ng    | 96       |
| 72) Anthracene                | 17.568 | 178  | 350661   | 43.83 | ng    | 97       |
| 73) Carbazole                 | 17.839 | 167  | 327787   | 42.77 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.385 | 149  | 372948   | 43.41 | ng    | # 97     |
| 75) Fluoranthene              | 19.490 | 202  | 430959   | 42.14 | ng    | 98       |
| 77) Benzidine                 | 19.666 | 184  | 170129   | 42.63 | ng    | 99       |
| 78) Pyrene                    | 19.854 | 202  | 429012   | 42.19 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.724 | 149  | 166443   | 41.86 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.699 | 228  | 409758   | 40.80 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.611 | 252  | 134903   | 39.17 | ng    | 93       |
| 83) Chrysene                  | 21.769 | 228  | 379496   | 39.67 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.581 | 149  | 229788   | 41.28 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.809 | 149  | 388601   | 41.01 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.767 | 276  | 443653   | 41.85 | ng    | # 98     |
| 88) Benzo(b)fluoranthene      | 23.955 | 252  | 417276   | 42.62 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 24.026 | 252  | 384713m  | 41.78 | ng    |          |
| 90) Benzo(a)pyrene            | 24.848 | 252  | 378381   | 41.95 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 28.826 | 278  | 375184   | 41.27 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.954 | 276  | 369338   | 41.15 | ng    | 98       |

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

