

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061421\  
 Data File : BG048943.D  
 Acq On : 14 Jun 2021 10:36  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad

6/15/2021 2:38:16 PM

Quant Time: Jun 14 11:28:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 11 16:03:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.123  | 152  | 41460    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.943 | 136  | 168884   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.768 | 164  | 119075   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.518 | 188  | 274851   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.813 | 240  | 259818   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 25.144 | 264  | 264857   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.661  | 112  | 193839   | 72.78 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.259  | 99   | 289769   | 72.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.286  | 82   | 293062   | 74.83 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.255 | 330  | 125991   | 71.42 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.387 | 172  | 598933   | 71.06 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.121 | 244  | 984090   | 69.37 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.546  | 88   | 43747    | 33.65 | ng    | # 76     |
| 3) Pyridine                   | 3.951  | 79   | 128314   | 36.38 | ng    | # 85     |
| 4) n-Nitrosodimethylamine     | 3.863  | 42   | 66544    | 39.40 | ng    | # 74     |
| 6) Aniline                    | 7.436  | 93   | 180130   | 35.83 | ng    | 91       |
| 8) 2-Chlorophenol             | 7.676  | 128  | 104379   | 35.56 | ng    | 86       |
| 9) Benzaldehyde               | 7.253  | 77   | 70459    | 34.11 | ng    | 89       |
| 10) Phenol                    | 7.289  | 94   | 148931   | 36.11 | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 7.535  | 93   | 107761   | 35.22 | ng    | # 77     |
| 12) 1,3-Dichlorobenzene       | 8.011  | 146  | 116892   | 35.65 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.152  | 146  | 118660   | 36.29 | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.481  | 146  | 112734   | 35.84 | ng    | 92       |
| 15) Benzyl Alcohol            | 8.352  | 79   | 126006   | 34.47 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.652  | 45   | 202424   | 34.96 | ng    | 81       |
| 17) 2-Methylphenol            | 8.552  | 107  | 93758    | 34.67 | ng    | 93       |
| 18) Hexachloroethane          | 9.216  | 117  | 47476    | 36.20 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.928  | 70   | 108140   | 34.66 | ng    | # 96     |
| 20) 3+4-Methylphenols         | 8.881  | 107  | 131380   | 35.53 | ng    | 96       |
| 22) Acetophenone              | 8.946  | 105  | 175487   | 34.15 | ng    | # 97     |
| 24) Nitrobenzene              | 9.333  | 77   | 159374   | 36.12 | ng    | 98       |
| 25) Isophorone                | 9.856  | 82   | 288524   | 33.81 | ng    | # 95     |
| 26) 2-Nitrophenol             | 10.050 | 139  | 58669    | 39.20 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.097 | 122  | 94883    | 34.97 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.338 | 93   | 130793   | 33.10 | ng    | 92       |
| 29) 2,4-Dichlorophenol        | 10.585 | 162  | 105990   | 34.82 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.802 | 180  | 123108   | 35.27 | ng    | 93       |
| 31) Naphthalene               | 10.996 | 128  | 351772   | 34.96 | ng    | 98       |
| 32) Benzoic acid              | 10.221 | 122  | 66788    | 37.69 | ng    | # 77     |
| 33) 4-Chloroaniline           | 11.096 | 127  | 145706   | 34.11 | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.284 | 225  | 86938    | 34.95 | ng    | 95       |
| 35) Caprolactam               | 11.877 | 113  | 34557    | 39.27 | ng    | # 35     |
| 36) 4-Chloro-3-methylphenol   | 12.206 | 107  | 128633   | 34.57 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.600 | 142  | 259320   | 34.12 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.817 | 142  | 239603   | 33.58 | ng    | 91       |
| 40) 1,2,4,5-Tetrachloroben... | 12.959 | 216  | 135083   | 35.73 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.941 | 237  | 82359    | 33.88 | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.194 | 196  | 96282    | 38.06 | ng    | 93       |

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| 44) 2,4,5-Trichlorophenol     | 13.264 | 196  | 102822   | 39.30 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.599 | 154  | 309251   | 35.23 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.646 | 162  | 248047   | 35.38 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.840 | 65   | 102455   | 41.37 | ng    | 95       |
| 49) Acenaphthylene            | 14.492 | 152  | 410614   | 35.15 | ng    | 95       |
| 50) Dimethylphthalate         | 14.216 | 163  | 323542   | 34.88 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.333 | 165  | 73966    | 39.16 | ng    | 89       |
| 52) Acenaphthene              | 14.833 | 154  | 269038   | 35.73 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.662 | 138  | 74354    | 38.88 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 14.862 | 184  | 38128    | 43.58 | ng    | 91       |
| 55) Dibenzofuran              | 15.162 | 168  | 408667   | 34.92 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.950 | 139  | 56596    | 36.30 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 15.115 | 165  | 103735   | 44.71 | ng    | 93       |
| 58) Fluorene                  | 15.814 | 166  | 328021   | 34.27 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.385 | 232  | 95067m   | 35.90 | ng    |          |
| 60) Diethylphthalate          | 15.579 | 149  | 344065   | 34.25 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.802 | 204  | 176623   | 35.29 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.820 | 138  | 74334    | 38.43 | ng    | # 77     |
| 63) Azobenzene                | 16.096 | 77   | 391653   | 34.07 | ng    | 86       |
| 65) 4,6-Dinitro-2-methylph... | 15.879 | 198  | 56647    | 43.46 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 16.014 | 169  | 285650   | 33.35 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.701 | 248  | 115501   | 33.66 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.819 | 284  | 125496   | 33.74 | ng    | 98       |
| 69) Atrazine                  | 16.966 | 200  | 100116   | 36.41 | ng    | 97       |
| 70) Pentachlorophenol         | 17.159 | 266  | 77877    | 34.84 | ng    | 97       |
| 71) Phenanthrene              | 17.559 | 178  | 519285   | 33.58 | ng    | 97       |
| 72) Anthracene                | 17.647 | 178  | 516454   | 33.23 | ng    | 98       |
| 73) Carbazole                 | 17.912 | 167  | 497428   | 33.39 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.476 | 149  | 577861   | 34.59 | ng    | 98       |
| 75) Fluoranthene              | 19.563 | 202  | 634095   | 34.00 | ng    | 98       |
| 77) Benzidine                 | 19.739 | 184  | 248467   | 47.47 | ng    | 97       |
| 78) Pyrene                    | 19.927 | 202  | 638941   | 33.88 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.808 | 149  | 253346   | 35.61 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.789 | 228  | 641777   | 34.40 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.701 | 252  | 228544   | 38.31 | ng    | # 99     |
| 83) Chrysene                  | 21.860 | 228  | 615084   | 34.39 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.695 | 149  | 363872   | 35.88 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.959 | 149  | 618722   | 35.97 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.969 | 276  | 729310   | 36.59 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.081 | 252  | 672641   | 35.63 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 24.157 | 252  | 626685   | 34.98 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 24.991 | 252  | 612833   | 35.56 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 29.051 | 278  | 613282   | 36.81 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 30.179 | 276  | 610446   | 36.34 | ng    | # 96     |

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

