

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110420\  
 Data File : BG047210.D  
 Acq On : 4 Nov 2020 13:14  
 Operator : CG/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

mohammad  
 11/5/2020 11:31:47 AM

Quant Time: Nov 04 14:04:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG110420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 04 14:01:38 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.005  | 152  | 44703    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.814 | 136  | 174294   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.644 | 164  | 127867   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.388 | 188  | 317348   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.648 | 240  | 321533   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.838 | 264  | 338940   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.561  | 112  | 227650   | 82.60 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.159  | 99   | 338407   | 85.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.168  | 82   | 339897   | 83.42 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.131 | 330  | 184016   | 86.60 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.264 | 172  | 809345   | 80.15 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.997 | 244  | 1541034  | 83.76 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.434  | 88   | 53862    | 39.46 | ng    | # 94     |
| 3) Pyridine                   | 3.833  | 79   | 156648   | 42.71 | ng    | # 94     |
| 4) n-Nitrosodimethylamine     | 3.745  | 42   | 77665    | 42.08 | ng    | 79       |
| 6) Aniline                    | 7.329  | 93   | 200148   | 41.84 | ng    | 96       |
| 8) 2-Chlorophenol             | 7.570  | 128  | 121336   | 42.05 | ng    | 93       |
| 9) Benzaldehyde               | 7.141  | 77   | 111203   | 39.97 | ng    | 88       |
| 10) Phenol                    | 7.188  | 94   | 159282   | 42.05 | ng    | 83       |
| 11) bis(2-Chloroethyl)ether   | 7.423  | 93   | 125460   | 41.55 | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 7.899  | 146  | 156003   | 40.58 | ng    | # 95     |
| 13) 1,4-Dichlorobenzene       | 8.040  | 146  | 160174   | 41.48 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.363  | 146  | 146121   | 39.99 | ng    | 95       |
| 15) Benzyl Alcohol            | 8.240  | 79   | 134362   | 43.98 | ng    | # 86     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.528  | 45   | 191017   | 40.26 | ng    | 99       |
| 17) 2-Methylphenol            | 8.440  | 107  | 107176   | 42.41 | ng    | # 91     |
| 18) Hexachloroethane          | 9.092  | 117  | 57515    | 40.24 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.810  | 70   | 112630   | 41.70 | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.769  | 107  | 146305   | 41.60 | ng    | 93       |
| 22) Acetophenone              | 8.828  | 105  | 205857   | 40.44 | ng    | # 93     |
| 24) Nitrobenzene              | 9.210  | 77   | 170054   | 41.10 | ng    | # 86     |
| 25) Isophorone                | 9.732  | 82   | 293875   | 41.35 | ng    | 94       |
| 26) 2-Nitrophenol             | 9.926  | 139  | 75758    | 42.22 | ng    | # 83     |
| 27) 2,4-Dimethylphenol        | 9.979  | 122  | 101076   | 41.97 | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 10.214 | 93   | 174386   | 40.58 | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.461 | 162  | 141089   | 42.18 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.678 | 180  | 163905   | 40.19 | ng    | 100      |
| 31) Naphthalene               | 10.866 | 128  | 405177   | 40.00 | ng    | 98       |
| 32) Benzoic acid              | 10.114 | 122  | 85826    | 55.17 | ng    | # 84     |
| 33) 4-Chloroaniline           | 10.972 | 127  | 178876   | 42.99 | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.148 | 225  | 121830   | 39.92 | ng    | 97       |
| 35) Caprolactam               | 11.742 | 113  | 49369    | 52.20 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.089 | 107  | 145811   | 42.52 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.470 | 142  | 313482   | 41.61 | ng    | # 96     |
| 38) 1-Methylnaphthalene       | 12.688 | 142  | 295990m  | 40.83 | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.841 | 216  | 202192   | 40.01 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.817 | 237  | 110153   | 42.09 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.076 | 196  | 136665   | 42.18 | ng    | 89       |

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|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.146 | 196  | 141951   | 42.73 | ng    | #        | 95 |
| 46) 1,1'-Biphenyl             | 13.475 | 154  | 424310   | 40.42 | ng    |          | 96 |
| 47) 2-Chloronaphthalene       | 13.522 | 162  | 351635   | 40.52 | ng    |          | 98 |
| 48) 2-Nitroaniline            | 13.722 | 65   | 121567   | 42.58 | ng    |          | 84 |
| 49) Acenaphthylene            | 14.368 | 152  | 522395   | 41.62 | ng    |          | 98 |
| 50) Dimethylphthalate         | 14.092 | 163  | 471824   | 41.42 | ng    |          | 98 |
| 51) 2,6-Dinitrotoluene        | 14.215 | 165  | 98961    | 41.17 | ng    | #        | 71 |
| 52) Acenaphthene              | 14.709 | 154  | 330998m  | 40.85 | ng    |          |    |
| 53) 3-Nitroaniline            | 14.544 | 138  | 100099   | 43.26 | ng    | #        | 79 |
| 54) 2,4-Dinitrophenol         | 14.750 | 184  | 64121    | 50.99 | ng    | #        | 67 |
| 55) Dibenzofuran              | 15.044 | 168  | 547073   | 41.47 | ng    |          | 99 |
| 56) 4-Nitrophenol             | 14.844 | 139  | 81596    | 47.15 | ng    | #        | 67 |
| 57) 2,4-Dinitrotoluene        | 14.997 | 165  | 148511   | 43.78 | ng    | #        | 81 |
| 58) Fluorene                  | 15.690 | 166  | 444582   | 42.29 | ng    |          | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.261 | 232  | 149964   | 42.99 | ng    | #        | 97 |
| 60) Diethylphthalate          | 15.455 | 149  | 470838   | 42.02 | ng    |          | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.678 | 204  | 261127   | 41.87 | ng    |          | 96 |
| 62) 4-Nitroaniline            | 15.708 | 138  | 107823   | 43.30 | ng    | #        | 67 |
| 63) Azobenzene                | 15.972 | 77   | 419629   | 41.72 | ng    |          | 91 |
| 65) 4,6-Dinitro-2-methylph... | 15.767 | 198  | 91077    | 51.24 | ng    |          | 88 |
| 66) n-Nitrosodiphenylamine    | 15.896 | 169  | 397078   | 40.43 | ng    |          | 99 |
| 67) 4-Bromophenyl-phenylether | 16.577 | 248  | 181118   | 40.64 | ng    |          | 95 |
| 68) Hexachlorobenzene         | 16.695 | 284  | 198222   | 40.89 | ng    |          | 97 |
| 69) Atrazine                  | 16.836 | 200  | 171731   | 40.51 | ng    |          | 98 |
| 70) Pentachlorophenol         | 17.036 | 266  | 113125   | 56.89 | ng    |          | 98 |
| 71) Phenanthrene              | 17.429 | 178  | 759559   | 41.12 | ng    |          | 97 |
| 72) Anthracene                | 17.517 | 178  | 732509   | 40.87 | ng    |          | 98 |
| 73) Carbazole                 | 17.788 | 167  | 647225   | 41.07 | ng    |          | 98 |
| 74) Di-n-butylphthalate       | 18.340 | 149  | 805777   | 41.46 | ng    | #        | 98 |
| 75) Fluoranthene              | 19.439 | 202  | 952714   | 40.35 | ng    |          | 97 |
| 77) Benzidine                 | 19.615 | 184  | 455967   | 41.88 | ng    |          | 97 |
| 78) Pyrene                    | 19.797 | 202  | 951103   | 42.01 | ng    |          | 98 |
| 80) Butylbenzylphthalate      | 20.678 | 149  | 361040   | 42.21 | ng    |          | 92 |
| 81) Benzo(a)anthracene        | 21.630 | 228  | 939459   | 41.47 | ng    |          | 98 |
| 82) 3,3'-Dichlorobenzidine    | 21.542 | 252  | 330874   | 42.65 | ng    | #        | 98 |
| 83) Chrysene                  | 21.695 | 228  | 898289   | 41.22 | ng    |          | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.530 | 149  | 497887   | 42.08 | ng    |          | 95 |
| 85) Di-n-octyl phthalate      | 22.729 | 149  | 838634   | 42.12 | ng    |          | 96 |
| 87) Indeno(1,2,3-cd)pyrene    | 28.469 | 276  | 1067283  | 41.41 | ng    | #        | 91 |
| 88) Benzo(b)fluoranthene      | 23.828 | 252  | 954708   | 41.14 | ng    | #        | 97 |
| 89) Benzo(k)fluoranthene      | 23.892 | 252  | 933266   | 41.33 | ng    | #        | 98 |
| 90) Benzo(a)pyrene            | 24.686 | 252  | 891742   | 41.21 | ng    | #        | 96 |
| 91) Dibenzo(a,h)anthracene    | 28.540 | 278  | 866119   | 41.88 | ng    | #        | 94 |
| 92) Benzo(g,h,i)perylene      | 29.609 | 276  | 853299   | 41.36 | ng    | #        | 92 |

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

