

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100920\  
 Data File : BG046827.D  
 Acq On : 9 Oct 2020 10:21  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad

Quant Time: Oct 09 12:37:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 07 11:38:17 2020  
 Response via : Initial Calibration

10/13/2020 11:07:31 AM

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.105  | 152  | 61087    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.920 | 136  | 227470   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.733 | 164  | 161099   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.471 | 188  | 397221   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.748 | 240  | 428383   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.015 | 264  | 442621   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.661  | 112  | 305072   | 80.01 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.259  | 99   | 424084   | 78.85 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.269  | 82   | 388781   | 90.93 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.213 | 330  | 205065   | 96.54 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.358 | 172  | 884476   | 77.73 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.074 | 244  | 1705610  | 79.80 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.564  | 88   | 67563    | 37.97 | ng    | # 95     |
| 3) Pyridine                   | 3.957  | 79   | 199560   | 39.65 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.869  | 42   | 94825    | 36.00 | ng    | # 72     |
| 6) Aniline                    | 7.430  | 93   | 247634   | 38.10 | ng    | 94       |
| 8) 2-Chlorophenol             | 7.670  | 128  | 150793   | 39.68 | ng    | 92       |
| 9) Benzaldehyde               | 7.242  | 77   | 122390   | 41.49 | ng    | 90       |
| 10) Phenol                    | 7.283  | 94   | 206048   | 38.49 | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 7.518  | 93   | 152666   | 36.89 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.000  | 146  | 191890   | 39.11 | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 8.141  | 146  | 195200   | 40.14 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.464  | 146  | 183319   | 40.42 | ng    | 93       |
| 15) Benzyl Alcohol            | 8.334  | 79   | 164657   | 37.23 | ng    | 86       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.634  | 45   | 230955   | 31.81 | ng    | 99       |
| 17) 2-Methylphenol            | 8.540  | 107  | 133532   | 38.84 | ng    | # 88     |
| 18) Hexachloroethane          | 9.198  | 117  | 71619    | 39.04 | ng    | 88       |
| 19) n-Nitroso-di-n-propyla... | 8.910  | 70   | 132378   | 35.89 | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.863  | 107  | 183700   | 39.20 | ng    | 91       |
| 22) Acetophenone              | 8.928  | 105  | 249222   | 37.72 | ng    | # 92     |
| 24) Nitrobenzene              | 9.310  | 77   | 199789   | 42.81 | ng    | 91       |
| 25) Isophorone                | 9.833  | 82   | 336099   | 36.01 | ng    | 93       |
| 26) 2-Nitrophenol             | 10.021 | 139  | 91156    | 54.03 | ng    | # 78     |
| 27) 2,4-Dimethylphenol        | 10.079 | 122  | 125890   | 37.33 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.314 | 93   | 204503   | 35.52 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.555 | 162  | 168596   | 41.56 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.779 | 180  | 196150   | 40.50 | ng    | 99       |
| 31) Naphthalene               | 10.967 | 128  | 485478   | 39.35 | ng    | 98       |
| 32) Benzoic acid              | 10.191 | 122  | 117403   | 49.64 | ng    | # 88     |
| 33) 4-Chloroaniline           | 11.067 | 127  | 217268   | 39.75 | ng    | # 93     |
| 34) Hexachlorobutadiene       | 11.255 | 225  | 144349   | 40.66 | ng    | 98       |
| 35) Caprolactam               | 11.842 | 113  | 57458    | 41.82 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.177 | 107  | 171557   | 39.33 | ng    | 88       |
| 37) 2-Methylnaphthalene       | 12.565 | 142  | 364090   | 39.80 | ng    | # 94     |
| 38) 1-Methylnaphthalene       | 12.782 | 142  | 340821m  | 40.14 | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.929 | 216  | 229986   | 39.71 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.911 | 237  | 116319   | 34.53 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.164 | 196  | 156797   | 43.05 | ng    | 91       |

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| 44) 2,4,5-Trichlorophenol     | 13.235 | 196  | 163001   | 44.47 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.569 | 154  | 474443   | 38.30 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.611 | 162  | 395095   | 39.26 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.804 | 65   | 140074   | 52.43 | ng #  | 80       |
| 49) Acenaphthylene            | 14.451 | 152  | 585815   | 39.55 | ng    | 99       |
| 50) Dimethylphthalate         | 14.181 | 163  | 517413   | 40.21 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.298 | 165  | 109976   | 52.59 | ng #  | 73       |
| 52) Acenaphthene              | 14.797 | 154  | 405790   | 40.34 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.627 | 138  | 122314   | 51.76 | ng #  | 80       |
| 54) 2,4-Dinitrophenol         | 14.827 | 184  | 58832    | 51.51 | ng #  | 74       |
| 55) Dibenzofuran              | 15.126 | 168  | 610860   | 40.22 | ng    | 96       |
| 56) 4-Nitrophenol             | 14.921 | 139  | 95851    | 49.25 | ng #  | 64       |
| 57) 2,4-Dinitrotoluene        | 15.079 | 165  | 161624   | 58.36 | ng #  | 79       |
| 58) Fluorene                  | 15.779 | 166  | 489368   | 40.24 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.350 | 232  | 165909   | 45.29 | ng    | 96       |
| 60) Diethylphthalate          | 15.538 | 149  | 511485   | 39.54 | ng    | 95       |
| 61) 4-Chlorophenyl-phenyle... | 15.767 | 204  | 284960   | 41.04 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.790 | 138  | 132119   | 50.36 | ng #  | 73       |
| 63) Azobenzene                | 16.061 | 77   | 463167   | 36.42 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 15.843 | 198  | 86899    | 52.70 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 15.978 | 169  | 447807   | 37.53 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.660 | 248  | 201574   | 40.16 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.777 | 284  | 216024   | 40.00 | ng    | 90       |
| 69) Atrazine                  | 16.924 | 200  | 186962   | 38.99 | ng    | 98       |
| 70) Pentachlorophenol         | 17.118 | 266  | 134082   | 43.01 | ng    | 88       |
| 71) Phenanthrene              | 17.518 | 178  | 850451   | 39.43 | ng    | 97       |
| 72) Anthracene                | 17.606 | 178  | 834004   | 39.19 | ng    | 98       |
| 73) Carbazole                 | 17.870 | 167  | 756627   | 39.07 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.428 | 149  | 905893   | 38.06 | ng #  | 97       |
| 75) Fluoranthene              | 19.521 | 202  | 1107345  | 40.32 | ng    | 97       |
| 77) Benzidine                 | 19.692 | 184  | 469192   | 35.53 | ng    | 99       |
| 78) Pyrene                    | 19.880 | 202  | 1111482  | 40.36 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.761 | 149  | 428663   | 40.29 | ng    | 92       |
| 81) Benzo(a)anthracene        | 21.730 | 228  | 1139026  | 39.83 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.636 | 252  | 414326   | 37.32 | ng    | 97       |
| 83) Chrysene                  | 21.795 | 228  | 1083870  | 39.66 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.631 | 149  | 595985   | 38.13 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.864 | 149  | 1013414  | 37.70 | ng #  | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.746 | 276  | 1306360  | 39.89 | ng #  | 88       |
| 88) Benzo(b)fluoranthene      | 23.981 | 252  | 1153344  | 39.76 | ng #  | 97       |
| 89) Benzo(k)fluoranthene      | 24.051 | 252  | 1137818  | 40.80 | ng #  | 97       |
| 90) Benzo(a)pyrene            | 24.862 | 252  | 1093407  | 40.06 | ng #  | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.816 | 278  | 1062813  | 39.68 | ng #  | 96       |
| 92) Benzo(g,h,i)perylene      | 29.915 | 276  | 1024211  | 39.10 | ng #  | 95       |

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

