

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\  
 Data File : BG041692.D  
 Acq On : 17 Jul 2019 16:48  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jul 18 01:13:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 106190   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.85 | 136  | 456161   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.67 | 164  | 281275   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.40 | 188  | 649663   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.65 | 240  | 592097   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.84 | 264  | 681986   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 528332   | 81.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 706735   | 80.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 647892   | 86.38 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 270513   | 85.34 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 1492271  | 82.15 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.01 | 244  | 2090676  | 82.51 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88   | 120690   | 39.120 | ng    | 99     |
| 3) Pyridine                    | 3.90  | 79   | 339836   | 41.266 | ng    | 98     |
| 4) n-Nitrosodimethylamine      | 3.81  | 42   | 148764   | 39.116 | ng    | 96     |
| 6) Aniline                     | 7.37  | 93   | 467703   | 39.829 | ng    | 97     |
| 8) 2-Chlorophenol              | 7.61  | 128  | 297533   | 40.459 | ng    | 98     |
| 9) Benzaldehyde                | 7.18  | 77   | 222563   | 41.846 | ng    | 98     |
| 10) Phenol                     | 7.22  | 94   | 371308   | 40.337 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93   | 296556   | 39.890 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146  | 356669   | 40.648 | ng    | 100    |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146  | 352256   | 40.087 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146  | 338725   | 40.884 | ng    | 97     |
| 15) Benzyl Alcohol             | 8.28  | 79   | 275656   | 39.629 | ng    | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45   | 608479   | 39.499 | ng    | 100    |
| 17) 2-Methylphenol             | 8.48  | 107  | 256921   | 40.358 | ng    | 99     |
| 18) Hexachloroethane           | 9.14  | 117  | 128400   | 39.893 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70   | 254018   | 39.777 | ng    | 98     |
| 20) 3+4-Methylphenols          | 8.81  | 107  | 358734   | 41.122 | ng    | 99     |
| 22) Acetophenone               | 8.87  | 105  | 448116   | 40.334 | ng    | # 97   |
| 24) Nitrobenzene               | 9.25  | 77   | 343492   | 41.979 | ng    | 98     |
| 25) Isophorone                 | 9.77  | 82   | 666775   | 40.596 | ng    | 98     |
| 26) 2-Nitrophenol              | 9.96  | 139  | 167222   | 44.883 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 10.01 | 122  | 260119   | 40.027 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93   | 409790   | 40.481 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 10.50 | 162  | 308929   | 41.695 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.72 | 180  | 354774   | 40.780 | ng    | 99     |
| 31) Naphthalene                | 10.91 | 128  | 919023   | 40.923 | ng    | 99     |
| 32) Benzoic acid               | 10.14 | 122  | 198689   | 41.241 | ng    | 98     |
| 33) 4-Chloroaniline            | 11.00 | 127  | 420132   | 40.557 | ng    | 99     |
| 34) Hexachlorobutadiene        | 11.20 | 225  | 233840   | 41.820 | ng    | 98     |
| 35) Caprolactam                | 11.77 | 113  | 110635   | 40.624 | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107  | 317840   | 40.948 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 12.51 | 142  | 702546   | 40.946 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 12.72 | 142  | 671888   | 41.075 | ng    | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216  | 397964   | 41.305 | ng    | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.86 | 237  | 225428   | 41.362 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.10 | 196  | 268447   | 42.881 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.17 | 196  | 278055   | 42.156 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 862966   | 40.952 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.55 | 162  | 718997   | 40.940 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.74 | 65   | 230087   | 44.997 | ng    | 98       |
| 49) Acenaphthylene             | 14.39 | 152  | 1123686  | 40.986 | ng    | 98       |
| 50) Dimethylphthalate          | 14.12 | 163  | 911178   | 41.247 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.23 | 165  | 209021   | 44.608 | ng    | 97       |
| 52) Acenaphthene               | 14.73 | 154  | 706686   | 40.902 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 222879   | 43.573 | ng    | 93       |
| 54) 2,4-Dinitrophenol          | 14.76 | 184  | 96214    | 44.432 | ng    | # 85     |
| 55) Dibenzofuran               | 15.06 | 168  | 1070446  | 41.288 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.85 | 139  | 178462   | 43.093 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 285174   | 46.040 | ng    | 99       |
| 58) Fluorene                   | 15.71 | 166  | 855783   | 40.566 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 263742   | 43.313 | ng    | 99       |
| 60) Diethylphthalate           | 15.48 | 149  | 900641   | 40.469 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 487192   | 40.855 | ng    | 100      |
| 62) 4-Nitroaniline             | 15.71 | 138  | 231784   | 42.726 | ng    | 99       |
| 63) Azobenzene                 | 16.00 | 77   | 799686   | 39.745 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 134728   | 44.285 | ng    | 95       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 775042   | 40.624 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.60 | 248  | 323854   | 41.895 | ng    | 100      |
| 68) Hexachlorobenzene          | 16.71 | 284  | 327354   | 42.054 | ng    | 98       |
| 69) Atrazine                   | 16.85 | 200  | 268159   | 38.732 | ng    | 99       |
| 70) Pentachlorophenol          | 17.05 | 266  | 211210   | 43.395 | ng    | 98       |
| 71) Phenanthrene               | 17.45 | 178  | 1354222  | 41.392 | ng    | 97       |
| 72) Anthracene                 | 17.54 | 178  | 1348426  | 41.347 | ng    | 97       |
| 73) Carbazole                  | 17.79 | 167  | 1245167  | 41.168 | ng    | 97       |
| 74) Di-n-butylphthalate        | 18.36 | 149  | 1458957  | 39.549 | ng    | 97       |
| 75) Fluoranthene               | 19.44 | 202  | 1597366  | 39.761 | ng    | 96       |
| 77) Benzidine                  | 19.62 | 184  | 849917   | 41.010 | ng    | 99       |
| 78) Pyrene                     | 19.80 | 202  | 1605169  | 40.084 | ng    | 95       |
| 80) Butylbenzylphthalate       | 20.69 | 149  | 687429   | 41.310 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.64 | 228  | 1595212  | 41.699 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.55 | 252  | 618103   | 41.059 | ng    | 98       |
| 83) Chrysene                   | 21.70 | 228  | 1529197  | 41.833 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149  | 957927   | 40.771 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 22.77 | 149  | 1664341  | 41.596 | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.49 | 276  | 1969022  | 40.823 | ng    | # 93     |
| 88) Benzo(b)fluoranthene       | 23.83 | 252  | 1709970  | 41.336 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 23.90 | 252  | 1644927  | 42.913 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.70 | 252  | 1648644  | 42.122 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.56 | 278  | 1589851  | 41.894 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.63 | 276  | 1592324  | 41.870 | ng    | 99       |

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

