

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\  
 Data File : BG024750.D  
 Acq On : 8 Nov 2016 6:16  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Nov 08 06:58:34 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.26  | 152  | 110514   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.09 | 136  | 433092   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 14.88 | 164  | 354751   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.62 | 188  | 805409   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.92 | 240  | 1123142  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.35 | 264  | 1190671  | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.79  | 112 | 535528  | 79.42 | ng | 0.00  |
| 7) Phenol-d6             | 7.40  | 99  | 766814  | 82.91 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.44  | 82  | 798441  | 83.94 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 476359  | 89.88 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.50 | 172 | 1765533 | 82.72 | ng | -0.01 |
| 78) Terphenyl-d14        | 20.20 | 244 | 3033152 | 80.70 | ng | -0.01 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.66  | 88  | 107238 | 38.93 | ng | 89     |
| 3) Pyridine                    | 4.07  | 79  | 343328 | 41.62 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.98  | 42  | 171860 | 40.25 | ng | 85     |
| 6) Aniline                     | 7.58  | 93  | 476495 | 40.67 | ng | 97     |
| 8) 2-Chlorophenol              | 7.82  | 128 | 275965 | 40.25 | ng | 97     |
| 9) Benzaldehyde                | 7.40  | 77  | 219983 | 38.49 | ng | 97     |
| 10) Phenol                     | 7.43  | 94  | 396448 | 41.58 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.67  | 93  | 287741 | 40.17 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 8.15  | 146 | 346525 | 40.83 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.30  | 146 | 344031 | 41.04 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.62  | 146 | 329881 | 40.93 | ng | 93     |
| 15) Benzyl Alcohol             | 8.50  | 79  | 342234 | 39.78 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.78  | 45  | 519094 | 39.06 | ng | 95     |
| 17) 2-Methylphenol             | 8.69  | 107 | 252782 | 40.01 | ng | 95     |
| 18) Hexachloroethane           | 9.35  | 117 | 131909 | 40.93 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70  | 278440 | 40.85 | ng | 88     |
| 20) 3+4-Methylphenols          | 9.02  | 107 | 371416 | 43.79 | ng | 91     |
| 22) Acetophenone               | 9.09  | 105 | 466329 | 41.92 | ng | # 88   |
| 24) Nitrobenzene               | 9.48  | 77  | 437600 | 41.35 | ng | 97     |
| 25) Isophorone                 | 10.00 | 82  | 741292 | 41.90 | ng | 97     |
| 26) 2-Nitrophenol              | 10.19 | 139 | 171193 | 43.58 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.23 | 122 | 302892 | 44.05 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93  | 376511 | 41.13 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.73 | 162 | 318692 | 44.16 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.95 | 180 | 363445 | 42.45 | ng | 100    |
| 31) Naphthalene                | 11.14 | 128 | 925859 | 42.86 | ng | 98     |
| 32) Benzoic acid               | 10.38 | 122 | 229920 | 40.15 | ng | 91     |
| 33) 4-Chloroaniline            | 11.25 | 127 | 401242 | 42.78 | ng | # 93   |
| 34) Hexachlorobutadiene        | 11.41 | 225 | 290602 | 43.37 | ng | 94     |
| 35) Caprolactam                | 12.02 | 113 | 114560 | 43.36 | ng | # 82   |
| 36) 4-Chloro-3-methylphenol    | 12.34 | 107 | 383304 | 43.99 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.73 | 142 | 682816 | 43.32 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.08 | 216 | 492714 | 41.18 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.06 | 237 | 273513 | 40.59 | ng | 96     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.31 | 196  | 305258   | 42.44 | nq    | 93       |
| 43) 2,4,5-Trichlorophenol      | 13.39 | 196  | 327690   | 42.14 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.71 | 154  | 993186   | 40.35 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.77 | 162  | 767198   | 40.93 | nq    | 98       |
| 47) 2-Nitroaniline             | 13.97 | 65   | 319839   | 41.67 | nq    | 97       |
| 48) Acenaphthylene             | 14.61 | 152  | 1187955  | 41.32 | nq    | 98       |
| 49) Dimethylphthalate          | 14.33 | 163  | 1044883  | 41.49 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.45 | 165  | 233338   | 43.40 | nq    | 83       |
| 51) Acenaphthene               | 14.94 | 154  | 784828   | 36.62 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.79 | 138  | 224973   | 40.44 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 14.99 | 184  | 193162   | 49.58 | nq    | 99       |
| 54) Dibenzofuran               | 15.28 | 168  | 1227731  | 41.44 | nq    | 96       |
| 55) 4-Nitrophenol              | 15.07 | 139  | 193598   | 39.94 | nq    | 91       |
| 56) 2,4-Dinitrotoluene         | 15.24 | 165  | 344037   | 44.03 | nq    | 93       |
| 57) Fluorene                   | 15.92 | 166  | 1028136  | 41.85 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 346110   | 42.93 | nq    | # 93     |
| 59) Diethylphthalate           | 15.67 | 149  | 1073861  | 40.67 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204  | 568095   | 41.21 | nq    | 100      |
| 61) 4-Nitroaniline             | 15.95 | 138  | 263357   | 43.33 | nq    | 88       |
| 62) Azobenzene                 | 16.20 | 77   | 1058402  | 40.19 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198  | 252794   | 45.56 | nq    | 99       |
| 65) n-Nitrosodiphenylamine     | 16.12 | 169  | 923188   | 41.93 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.80 | 248  | 419135   | 42.87 | nq    | 95       |
| 67) Hexachlorobenzene          | 16.92 | 284  | 483772   | 44.78 | nq    | # 88     |
| 68) Atrazine                   | 17.06 | 200  | 376024   | 39.81 | nq    | 97       |
| 69) Pentachlorophenol          | 17.26 | 266  | 303729   | 42.61 | nq    | 97       |
| 70) Phenanthrene               | 17.66 | 178  | 1723113  | 41.97 | nq    | 96       |
| 71) Anthracene                 | 17.76 | 178  | 1747709  | 42.20 | nq    | 98       |
| 72) Carbazole                  | 18.03 | 167  | 1601678  | 42.40 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.55 | 149  | 1834657  | 42.13 | nq    | 98       |
| 74) Fluoranthene               | 19.66 | 202  | 2254060  | 43.43 | nq    | 97       |
| 76) Benzidine                  | 19.83 | 184  | 955036   | 36.09 | nq    | 96       |
| 77) Pyrene                     | 20.02 | 202  | 2287674  | 41.67 | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.88 | 149  | 932642   | 40.74 | nq    | 99       |
| 80) Benzo(a)anthracene         | 21.90 | 228  | 2518042  | 40.81 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.80 | 252  | 1030946  | 41.42 | nq    | 99       |
| 82) Chrysene                   | 21.97 | 228  | 2395885  | 40.77 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.75 | 149  | 1343118  | 41.02 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 23.03 | 149  | 2237243  | 41.17 | nq    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.30 | 276  | 3256152  | 40.14 | nq    | # 98     |
| 87) Benzo(b)fluoranthene       | 24.25 | 252  | 2668630  | 41.46 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 24.33 | 252  | 2560564  | 41.20 | nq    | 98       |
| 89) Benzo(a)pyrene             | 25.18 | 252  | 2609723  | 41.50 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 29.36 | 278  | 2781059  | 40.29 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 30.53 | 276  | 2782435  | 40.35 | nq    | 98       |

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

