

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110316\  
 Data File : BG024655.D  
 Acq On : 3 Nov 2016 20:27  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Nov 04 01:22:16 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 | 8.27  | 152  | 116571   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.10 | 136  | 483905   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.89 | 164  | 368237   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.62 | 188  | 863129   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.92 | 240  | 1122818  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.35 | 264  | 1174454  | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.80  | 112 | 576240  | 81.02 | ng | 0.00 |
| 7) Phenol-d6             | 7.41  | 99  | 856764  | 87.82 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.44  | 82  | 894120  | 84.13 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 466560  | 84.81 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.51 | 172 | 1819371 | 82.12 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.21 | 244 | 2932555 | 78.04 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.67  | 88  | 125049 | 43.04 | ng | 92     |
| 3) Pyridine                    | 4.07  | 79  | 366154 | 42.09 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.99  | 42  | 202508 | 44.96 | ng | # 98   |
| 6) Aniline                     | 7.59  | 93  | 529832 | 42.87 | ng | 95     |
| 8) 2-Chlorophenol              | 7.83  | 128 | 307244 | 42.49 | ng | 95     |
| 9) Benzaldehyde                | 7.40  | 77  | 246739 | 40.92 | ng | 98     |
| 10) Phenol                     | 7.43  | 94  | 437274 | 43.48 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.68  | 93  | 328650 | 43.50 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 8.16  | 146 | 363619 | 40.62 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.30  | 146 | 368937 | 41.72 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.63  | 146 | 343440 | 40.40 | ng | 99     |
| 15) Benzyl Alcohol             | 8.50  | 79  | 382767 | 42.17 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.79  | 45  | 629961 | 44.94 | ng | 99     |
| 17) 2-Methylphenol             | 8.69  | 107 | 281531 | 42.25 | ng | 96     |
| 18) Hexachloroethane           | 9.36  | 117 | 147205 | 43.31 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 9.07  | 70  | 308790 | 42.95 | ng | 94     |
| 20) 3+4-Methylphenols          | 9.03  | 107 | 383818 | 42.90 | ng | 97     |
| 22) Acetophenone               | 9.10  | 105 | 502667 | 40.44 | ng | # 96   |
| 24) Nitrobenzene               | 9.49  | 77  | 489149 | 41.37 | ng | 96     |
| 25) Isophorone                 | 10.00 | 82  | 795246 | 40.23 | ng | 97     |
| 26) 2-Nitrophenol              | 10.20 | 139 | 187340 | 42.69 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 10.24 | 122 | 315023 | 41.00 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93  | 420337 | 41.09 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.73 | 162 | 335543 | 41.61 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.95 | 180 | 388933 | 40.66 | ng | 96     |
| 31) Naphthalene                | 11.15 | 128 | 981996 | 40.68 | ng | 98     |
| 32) Benzoic acid               | 10.37 | 122 | 198415 | 31.01 | ng | 92     |
| 33) 4-Chloroaniline            | 11.25 | 127 | 437613 | 41.76 | ng | # 93   |
| 34) Hexachlorobutadiene        | 11.41 | 225 | 297909 | 39.79 | ng | 98     |
| 35) Caprolactam                | 12.02 | 113 | 132176 | 44.77 | ng | # 88   |
| 36) 4-Chloro-3-methylphenol    | 12.34 | 107 | 406609 | 41.77 | ng | 89     |
| 37) 2-Methylnaphthalene        | 12.73 | 142 | 731591 | 41.54 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 507263 | 40.84 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.06 | 237 | 271435 | 38.81 | ng | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.32 | 196  | 313375   | 41.98 | ng    | 94       |
| 43) 2,4,5-Trichlorophenol      | 13.39 | 196  | 334123   | 41.40 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.72 | 154  | 1044763  | 40.89 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.77 | 162  | 799383   | 41.08 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.97 | 65   | 358083   | 44.95 | ng    | 97       |
| 48) Acenaphthylene             | 14.62 | 152  | 1232725  | 41.31 | ng    | 99       |
| 49) Dimethylphthalate          | 14.33 | 163  | 1088148  | 41.62 | ng    | 96       |
| 50) 2,6-Dinitrotoluene         | 14.46 | 165  | 244531   | 43.82 | ng    | 90       |
| 51) Acenaphthene               | 14.95 | 154  | 835524   | 37.56 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.79 | 138  | 247272   | 42.82 | ng    | 96       |
| 53) 2,4-Dinitrophenol          | 14.99 | 184  | 174945   | 43.26 | ng    | 93       |
| 54) Dibenzofuran               | 15.28 | 168  | 1278472  | 41.57 | ng    | 100      |
| 55) 4-Nitrophenol              | 15.07 | 139  | 206052   | 40.95 | ng    | # 83     |
| 56) 2,4-Dinitrotoluene         | 15.24 | 165  | 359786   | 44.36 | ng    | # 98     |
| 57) Fluorene                   | 15.93 | 166  | 1065390  | 41.78 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.50 | 232  | 337482   | 40.33 | ng    | 97       |
| 59) Diethylphthalate           | 15.68 | 149  | 1124313  | 41.02 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204  | 593825   | 41.50 | ng    | 99       |
| 61) 4-Nitroaniline             | 15.95 | 138  | 264294   | 41.89 | ng    | 95       |
| 62) Azobenzene                 | 16.20 | 77   | 1140240  | 41.71 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198  | 241803   | 40.66 | ng    | 95       |
| 65) n-Nitrosodiphenylamine     | 16.13 | 169  | 938184   | 39.76 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.81 | 248  | 421826   | 40.26 | ng    | 98       |
| 67) Hexachlorobenzene          | 16.92 | 284  | 478207   | 41.30 | ng    | # 90     |
| 68) Atrazine                   | 17.06 | 200  | 389899   | 38.52 | ng    | 99       |
| 69) Pentachlorophenol          | 17.26 | 266  | 342839   | 44.88 | ng    | 99       |
| 70) Phenanthrene               | 17.67 | 178  | 1730055  | 39.32 | ng    | 98       |
| 71) Anthracene                 | 17.76 | 178  | 1755815  | 39.56 | ng    | 99       |
| 72) Carbazole                  | 18.03 | 167  | 1589207  | 39.26 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.55 | 149  | 1868418  | 40.03 | ng    | 98       |
| 74) Fluoranthene               | 19.66 | 202  | 2219440  | 39.91 | ng    | 98       |
| 76) Benzidine                  | 19.84 | 184  | 1216467  | 45.98 | ng    | 99       |
| 77) Pyrene                     | 20.03 | 202  | 2265777  | 41.28 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.88 | 149  | 956106   | 41.78 | ng    | 99       |
| 80) Benzo(a)anthracene         | 21.90 | 228  | 2462256  | 39.92 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.81 | 252  | 981005   | 39.42 | ng    | 100      |
| 82) Chrysene                   | 21.97 | 228  | 2366624  | 40.29 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 1339617  | 40.92 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 23.04 | 149  | 2233696  | 41.12 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.31 | 276  | 3144281  | 38.77 | ng    | # 97     |
| 87) Benzo(b)fluoranthene       | 24.26 | 252  | 2603359  | 41.01 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 24.33 | 252  | 2471261  | 40.31 | ng    | 97       |
| 89) Benzo(a)pyrene             | 25.20 | 252  | 2498766  | 40.28 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 29.37 | 278  | 2687860  | 39.48 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.55 | 276  | 2641975  | 38.84 | ng    | 100      |

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

