

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042115\  
 Data File : BG016600.D  
 Acq On : 22 Apr 2015 1:02  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Apr 22 07:08:34 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 22 02:10:07 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 62991    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.42 | 136  | 279284   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.28 | 164  | 156412   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.02 | 188  | 312257   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 298477   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 288775   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.23  | 112 | 321084  | 81.70 | ng | 0.00 |
| 7) Phenol-d6             | 6.83  | 99  | 443230  | 80.72 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.80  | 82  | 373269  | 82.30 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.77 | 330 | 88563   | 83.37 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.90 | 172 | 779956  | 82.58 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.66 | 244 | 1012783 | 81.75 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 72307  | 40.91 | ng | 98     |
| 3) Pyridine                    | 3.50  | 79  | 201135 | 41.14 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.43  | 42  | 59304  | 40.52 | ng | 95     |
| 6) Aniline                     | 6.97  | 93  | 301898 | 39.81 | ng | 99     |
| 8) 2-Chlorophenol              | 7.21  | 128 | 193042 | 41.14 | ng | 97     |
| 9) Benzaldehyde                | 6.78  | 77  | 86334  | 34.55 | ng | 96     |
| 10) Phenol                     | 6.85  | 94  | 234418 | 40.36 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.07  | 93  | 178289 | 39.21 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.52  | 146 | 197230 | 40.26 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.67  | 146 | 201998 | 40.51 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.99  | 146 | 190047 | 40.06 | ng | 99     |
| 15) Benzyl Alcohol             | 7.88  | 79  | 142509 | 40.78 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 173705 | 39.45 | ng | 97     |
| 17) 2-Methylphenol             | 8.09  | 107 | 156284 | 39.93 | ng | 99     |
| 18) Hexachloroethane           | 8.70  | 117 | 73154  | 40.86 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.45  | 70  | 139052 | 39.17 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.42  | 107 | 216458 | 40.15 | ng | 99     |
| 22) Acetophenone               | 8.46  | 105 | 253789 | 40.80 | ng | # 98   |
| 24) Nitrobenzene               | 8.84  | 77  | 194514 | 41.20 | ng | 99     |
| 25) Isophorone                 | 9.36  | 82  | 384911 | 41.45 | ng | 100    |
| 26) 2-Nitrophenol              | 9.54  | 139 | 111646 | 42.84 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.61  | 122 | 184773 | 41.69 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.84  | 93  | 227520 | 40.86 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.08 | 162 | 155307 | 42.38 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.29 | 180 | 162035 | 41.59 | ng | 94     |
| 31) Naphthalene                | 10.47 | 128 | 597772 | 41.00 | ng | 99     |
| 32) Benzoic acid               | 9.78  | 122 | 56333  | 38.94 | ng | 98     |
| 33) 4-Chloroaniline            | 10.59 | 127 | 274685 | 41.20 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 71289  | 41.17 | ng | 97     |
| 35) Caprolactam                | 11.35 | 113 | 84989  | 40.05 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 11.73 | 107 | 179294 | 40.51 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.09 | 142 | 422447 | 40.47 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 150154 | 41.73 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 12.44 | 237 | 50509  | 43.71 | ng | 100    |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.71 | 196  | 109045   | 42.80 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.79 | 196  | 115651   | 42.57 | nq    | 98       |
| 45) 1,1'-Biphenyl              | 13.11 | 154  | 501799   | 41.66 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.15 | 162  | 382195   | 41.43 | nq    | 100      |
| 47) 2-Nitroaniline             | 13.37 | 65   | 112365   | 41.76 | nq    | 92       |
| 48) Acenaphthylene             | 14.00 | 152  | 673071   | 41.10 | nq    | 99       |
| 49) Dimethylphthalate          | 13.75 | 163  | 468289   | 40.49 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.87 | 165  | 116115   | 40.88 | nq    | 98       |
| 51) Acenaphthene               | 14.34 | 154  | 398659   | 40.80 | nq    | 100      |
| 52) 3-Nitroaniline             | 14.20 | 138  | 145438   | 41.46 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 14.42 | 184  | 42895    | 37.53 | nq    | 93       |
| 54) Dibenzofuran               | 14.68 | 168  | 552746   | 40.18 | nq    | 99       |
| 55) 4-Nitrophenol              | 14.53 | 139  | 106288   | 40.03 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 14.66 | 165  | 162606   | 41.60 | nq    | 96       |
| 57) Fluorene                   | 15.33 | 166  | 483359   | 39.87 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.91 | 232  | 85756    | 41.83 | nq    | 99       |
| 59) Diethylphthalate           | 15.11 | 149  | 484693   | 39.34 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 197692   | 39.72 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.36 | 138  | 166274   | 41.37 | nq    | 98       |
| 62) Azobenzene                 | 15.62 | 77   | 461608   | 40.36 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 85796    | 40.61 | nq    | 93       |
| 65) n-Nitrosodiphenylamine     | 15.54 | 169  | 444987   | 42.51 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 104704   | 42.60 | nq    | 98       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 107242   | 41.77 | nq    | 99       |
| 68) Atrazine                   | 16.50 | 200  | 120335   | 41.11 | nq    | 98       |
| 69) Pentachlorophenol          | 16.68 | 266  | 46616    | 38.56 | nq    | 97       |
| 70) Phenanthrene               | 17.06 | 178  | 723630   | 40.71 | nq    | 99       |
| 71) Anthracene                 | 17.16 | 178  | 737157   | 41.73 | nq    | 100      |
| 72) Carbazole                  | 17.43 | 167  | 752611   | 41.76 | nq    | 100      |
| 73) Di-n-butylphthalate        | 17.99 | 149  | 917660   | 41.84 | nq    | 100      |
| 74) Fluoranthene               | 19.09 | 202  | 790945   | 41.30 | nq    | 100      |
| 76) Benzidine                  | 19.27 | 184  | 429365   | 38.91 | nq    | 99       |
| 77) Pyrene                     | 19.45 | 202  | 821353   | 40.97 | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.35 | 149  | 449150   | 42.80 | nq    | 100      |
| 80) Benzo(a)anthracene         | 21.19 | 228  | 738373   | 41.02 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 250261   | 42.00 | nq    | 96       |
| 82) Chrysene                   | 21.24 | 228  | 705526   | 40.83 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 616071   | 42.77 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 21.99 | 149  | 1028201  | 42.98 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 789867   | 41.65 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 699415   | 40.59 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 702812   | 41.58 | nq    | 99       |
| 89) Benzo(a)pyrene             | 23.33 | 252  | 670812   | 41.00 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.69 | 278  | 652393   | 41.04 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 26.37 | 276  | 654900   | 40.83 | nq    | 98       |

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

