

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\  
 Data File : BG016758.D  
 Acq On : 28 Apr 2015 8:03  
 Operator : TP/IZ  
 Sample : G1991-16MS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-64DMS

Quant Time: Apr 28 08:48:21 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 28 06:33:47 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 54651    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.36 | 136  | 240059   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.23 | 164  | 138446   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.97 | 188  | 271892   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.16 | 240  | 252805   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.36 | 264  | 245050   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.17  | 112 | 526876 | 156.44 | ng | 0.00 |
| 7) Phenol-d6             | 6.78  | 99  | 721981 | 152.81 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.74  | 82  | 368996 | 97.13  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.73 | 330 | 172887 | 168.33 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.84 | 172 | 876444 | 101.71 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.60 | 244 | 973733 | 88.73  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.02  | 88  | 49605  | 34.00 | ng | 98     |
| 3) Pyridine                    | 3.42  | 79  | 145010 | 35.01 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.35  | 42  | 50886  | 41.64 | ng | 95     |
| 6) Aniline                     | 6.91  | 93  | 202359 | 31.23 | ng | 99     |
| 8) 2-Chlorophenol              | 7.14  | 128 | 208103 | 49.99 | ng | 98     |
| 9) Benzaldehyde                | 6.71  | 77  | 14486  | 7.50  | ng | 99     |
| 10) Phenol                     | 6.80  | 94  | 270601 | 54.34 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.01  | 93  | 174775 | 44.96 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.46  | 146 | 203437 | 47.26 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 7.61  | 146 | 206510 | 46.93 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.92  | 146 | 201580 | 47.98 | ng | 100    |
| 15) Benzyl Alcohol             | 7.82  | 79  | 142523 | 48.07 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.11  | 45  | 165332 | 45.44 | ng | 98     |
| 17) 2-Methylphenol             | 8.04  | 107 | 171921 | 51.63 | ng | 96     |
| 18) Hexachloroethane           | 8.64  | 117 | 74264  | 47.87 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.38  | 70  | 126230 | 42.86 | ng | 100    |
| 20) 3+4-Methylphenols          | 8.37  | 107 | 230669 | 49.27 | ng | 97     |
| 22) Acetophenone               | 8.39  | 105 | 259950 | 49.34 | ng | # 98   |
| 24) Nitrobenzene               | 8.78  | 77  | 182636 | 45.78 | ng | 96     |
| 25) Isophorone                 | 9.29  | 82  | 363624 | 46.18 | ng | 99     |
| 26) 2-Nitrophenol              | 9.48  | 139 | 116818 | 50.46 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.56  | 122 | 199191 | 51.52 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.78  | 93  | 222644 | 46.87 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.02 | 162 | 185854 | 56.56 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.23 | 180 | 179425 | 51.52 | ng | 99     |
| 31) Naphthalene                | 10.41 | 128 | 620925 | 49.05 | ng | 99     |
| 32) Benzoic acid               | 9.70  | 122 | 47011  | 27.15 | ng | 97     |
| 33) 4-Chloroaniline            | 10.53 | 127 | 151210 | 25.93 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.69 | 225 | 81113  | 52.14 | ng | 99     |
| 35) Caprolactam                | 11.31 | 113 | 89371m | 50.45 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.68 | 107 | 199966 | 52.33 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.03 | 142 | 461192 | 50.45 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216 | 175281 | 53.15 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.38 | 237 | 54776  | 46.23 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.66 | 196  | 132625   | 55.03  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.74 | 196  | 142410   | 55.84  | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.05 | 154  | 553994   | 50.95  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.09 | 162  | 427173   | 51.11  | nq    | 99       |
| 47) 2-Nitroaniline             | 13.32 | 65   | 108750   | 47.70  | nq    | 95       |
| 48) Acenaphthylene             | 13.95 | 152  | 723444   | 49.42  | nq    | 100      |
| 49) Dimethylphthalate          | 13.69 | 163  | 526749   | 50.86  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.82 | 165  | 124860   | 49.13  | nq    | 97       |
| 51) Acenaphthene               | 14.29 | 154  | 435913   | 49.61  | nq    | 99       |
| 52) 3-Nitroaniline             | 14.15 | 138  | 118729   | 38.65  | nq    | 95       |
| 53) 2,4-Dinitrophenol          | 14.37 | 184  | 45547    | 37.43  | nq    | 93       |
| 54) Dibenzofuran               | 14.63 | 168  | 630908   | 50.91  | nq    | 99       |
| 55) 4-Nitrophenol              | 14.49 | 139  | 206713   | 89.81  | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 14.61 | 165  | 171550   | 49.28  | nq    | 99       |
| 57) Fluorene                   | 15.28 | 166  | 548892   | 50.67  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 107224   | 55.56  | nq    | 95       |
| 59) Diethylphthalate           | 15.06 | 149  | 514316   | 47.65  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.27 | 204  | 229497   | 50.73  | nq    | 96       |
| 61) 4-Nitroaniline             | 15.32 | 138  | 130750   | 38.48  | nq    | 97       |
| 62) Azobenzene                 | 15.57 | 77   | 477046   | 48.39  | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 51555    | 28.02  | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.50 | 169  | 472807   | 50.72  | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 124170   | 54.65  | nq    | 95       |
| 67) Hexachlorobenzene          | 16.28 | 284  | 128266   | 54.89  | nq    | 95       |
| 68) Atrazine                   | 16.45 | 200  | 147311   | 58.87  | nq    | 100      |
| 69) Pentachlorophenol          | 16.64 | 266  | 125442   | 110.56 | nq    | 98       |
| 70) Phenanthrene               | 17.01 | 178  | 858893   | 54.99  | nq    | 98       |
| 71) Anthracene                 | 17.11 | 178  | 791241   | 50.93  | nq    | 99       |
| 72) Carbazole                  | 17.38 | 167  | 788092   | 50.63  | nq    | 99       |
| 73) Di-n-butylphthalate        | 17.94 | 149  | 927084   | 49.97  | nq    | 99       |
| 74) Fluoranthene               | 19.03 | 202  | 904033   | 54.62  | nq    | 98       |
| 76) Benzidine                  | 19.23 | 184  | 474684   | 55.13  | nq    | 99       |
| 77) Pyrene                     | 19.40 | 202  | 909804   | 51.23  | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.30 | 149  | 442274   | 50.62  | nq    | 97       |
| 80) Benzo(a)anthracene         | 21.14 | 228  | 790861   | 51.59  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 209870   | 42.01  | nq    | 99       |
| 82) Chrysene                   | 21.20 | 228  | 735408   | 50.04  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 627445   | 52.79  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 21.94 | 149  | 1039372  | 52.50  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.59 | 276  | 762037   | 47.58  | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 745340   | 50.07  | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 712258   | 49.03  | nq    | 97       |
| 89) Benzo(a)pyrene             | 23.27 | 252  | 722953   | 51.54  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.60 | 278  | 612526   | 44.91  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.27 | 276  | 623778   | 44.95  | nq    | 98       |

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

