

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018741.D  
 Acq On : 17 Sep 2015 16:48  
 Operator : TP  
 Sample : G3651-06MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS033031MS

Quant Time: Sep 18 04:04:01 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 03:41:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 42917    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.80 | 136  | 192728   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.63 | 164  | 140484   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.37 | 188  | 373911   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.63 | 240  | 388091   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.81 | 264  | 404477   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 120571 | 48.53  | ng | 0.00 |
| 7) Phenol-d6             | 7.16  | 99  | 106316 | 29.85  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 284986 | 82.74  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 199574 | 105.51 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.25 | 172 | 800587 | 79.11  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.98 | 244 | 973824 | 65.89  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 14984  | 14.43 | ng | # 100  |
| 3) Pyridine                    | 3.87  | 79  | 63554  | 19.74 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.78  | 42  | 14160  | 12.63 | ng | # 73   |
| 6) Aniline                     | 7.32  | 93  | 121173 | 24.68 | ng | 94     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 83050  | 28.95 | ng | 95     |
| 9) Benzaldehyde                | 7.14  | 77  | 50698  | 26.44 | ng | 92     |
| 10) Phenol                     | 7.19  | 94  | 42707  | 11.35 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.42  | 93  | 118432 | 40.61 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.89  | 146 | 113490 | 34.00 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 117262 | 35.03 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.35  | 146 | 116687 | 36.51 | ng | 98     |
| 15) Benzyl Alcohol             | 8.24  | 79  | 65433  | 25.48 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53  | 45  | 132627 | 40.05 | ng | 98     |
| 17) 2-Methylphenol             | 8.44  | 107 | 61357  | 23.47 | ng | 94     |
| 18) Hexachloroethane           | 9.08  | 117 | 38634  | 32.28 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.80  | 70  | 99069  | 39.48 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.77  | 107 | 80917  | 22.04 | ng | 95     |
| 22) Acetophenone               | 8.82  | 105 | 197549 | 40.46 | ng | # 99   |
| 24) Nitrobenzene               | 9.20  | 77  | 142831 | 39.05 | ng | 95     |
| 25) Isophorone                 | 9.72  | 82  | 284343 | 38.39 | ng | 99     |
| 26) 2-Nitrophenol              | 9.91  | 139 | 54576  | 31.99 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.97  | 122 | 86357  | 27.87 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 181007 | 42.56 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.45 | 162 | 110872 | 35.41 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.67 | 180 | 131504 | 37.90 | ng | 97     |
| 31) Naphthalene                | 10.86 | 128 | 408152 | 39.55 | ng | 99     |
| 33) 4-Chloroaniline            | 10.96 | 127 | 137817 | 29.51 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.14 | 225 | 71490  | 34.95 | ng | 98     |
| 35) Caprolactam                | 11.72 | 113 | 13205  | 9.81  | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.08 | 107 | 115295 | 33.01 | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.46 | 142 | 324817 | 43.00 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 173207 | 38.87 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.81 | 237 | 138959 | 62.10 | ng | 94     |
| 42) 2,4,6-Trichlorophenol      | 13.06 | 196 | 96920  | 31.41 | ng | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.13 | 196  | 110951   | 32.78 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.46 | 154  | 446890   | 40.00 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.51 | 162  | 348359   | 40.47 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.71 | 65   | 107198   | 41.39 | nq    | 88       |
| 48) Acenaphthylene             | 14.35 | 152  | 630042   | 41.41 | nq    | 97       |
| 49) Dimethylphthalate          | 14.08 | 163  | 584250   | 50.22 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.20 | 165  | 110882   | 43.87 | nq    | 97       |
| 51) Acenaphthene               | 14.69 | 154  | 358323   | 40.48 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.53 | 138  | 100038   | 33.12 | nq    | 91       |
| 54) Dibenzofuran               | 15.02 | 168  | 609107   | 44.28 | nq    | 99       |
| 55) 4-Nitrophenol              | 14.84 | 139  | 33567    | 14.40 | nq    | 87       |
| 56) 2,4-Dinitrotoluene         | 14.99 | 165  | 159787   | 44.58 | nq    | # 94     |
| 57) Fluorene                   | 15.68 | 166  | 513809   | 43.38 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 96357    | 30.36 | nq    | 99       |
| 59) Diethylphthalate           | 15.44 | 149  | 506771   | 41.77 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.66 | 204  | 247681   | 43.52 | nq    | 94       |
| 61) 4-Nitroaniline             | 15.69 | 138  | 119782   | 36.78 | nq    | 98       |
| 62) Azobenzene                 | 15.96 | 77   | 460472   | 42.94 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 19402    | 13.95 | nq    | 96       |
| 65) n-Nitrosodiphenylamine     | 15.88 | 169  | 451683   | 41.71 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 167504   | 44.05 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.68 | 284  | 182389   | 44.14 | nq    | 98       |
| 68) Atrazine                   | 16.82 | 200  | 174737   | 40.58 | nq    | 99       |
| 69) Pentachlorophenol          | 17.02 | 266  | 119923   | 47.06 | nq    | 97       |
| 70) Phenanthrene               | 17.41 | 178  | 824849   | 41.94 | nq    | 100      |
| 71) Anthracene                 | 17.50 | 178  | 847775   | 42.57 | nq    | 100      |
| 72) Carbazole                  | 17.77 | 167  | 778238   | 40.38 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.33 | 149  | 926040   | 40.73 | nq    | 99       |
| 74) Fluoranthene               | 19.42 | 202  | 981981   | 40.32 | nq    | 98       |
| 76) Benzidine                  | 19.60 | 184  | 383697   | 32.92 | nq    | 97       |
| 77) Pyrene                     | 19.78 | 202  | 1002185  | 42.02 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.66 | 149  | 413498   | 42.65 | nq    | 98       |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 944580   | 42.28 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 276997   | 32.63 | nq    | 99       |
| 82) Chrysene                   | 21.68 | 228  | 865189   | 41.12 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149  | 612117   | 43.76 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 22.71 | 149  | 1039629  | 43.95 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 28.45 | 276  | 1134776  | 42.47 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.81 | 252  | 985129   | 42.00 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 23.87 | 252  | 973523   | 41.43 | nq    | 99       |
| 89) Benzo(a)pyrene             | 24.67 | 252  | 962954   | 43.15 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.51 | 278  | 920963   | 41.91 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 29.59 | 276  | 933080   | 41.70 | nq    | 99       |

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

