

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091715\  
 Data File : BG018723.D  
 Acq On : 17 Sep 2015 1:59  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Sep 17 06:04:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 54507    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.80 | 136  | 252262   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.63 | 164  | 178820   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.37 | 188  | 449154   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.63 | 240  | 461446   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.82 | 264  | 474827   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.57  | 112 | 246800  | 78.22 | ng | 0.00 |
| 7) Phenol-d6             | 7.17  | 99  | 373305  | 82.51 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 349282  | 77.48 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 191719  | 79.62 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.25 | 172 | 977342  | 75.87 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.98 | 244 | 1371645 | 78.06 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88  | 46596  | 35.33 | ng | # 100  |
| 3) Pyridine                    | 3.87  | 79  | 151950 | 37.16 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.78  | 42  | 50410  | 35.41 | ng | # 74   |
| 6) Aniline                     | 7.33  | 93  | 248891 | 39.92 | ng | 95     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 147623 | 40.52 | ng | 94     |
| 9) Benzaldehyde                | 7.14  | 77  | 95037  | 39.02 | ng | 94     |
| 10) Phenol                     | 7.19  | 94  | 196321 | 41.08 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.42  | 93  | 147073 | 39.71 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146 | 165295 | 38.99 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 163923 | 38.56 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.36  | 146 | 162516 | 40.04 | ng | 98     |
| 15) Benzyl Alcohol             | 8.24  | 79  | 135481 | 41.55 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 162888 | 38.73 | ng | 99     |
| 17) 2-Methylphenol             | 8.44  | 107 | 138720 | 41.77 | ng | 98     |
| 18) Hexachloroethane           | 9.09  | 117 | 57622  | 37.91 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.81  | 70  | 133302 | 41.83 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.77  | 107 | 202264 | 43.38 | ng | 97     |
| 22) Acetophenone               | 8.82  | 105 | 249604 | 39.06 | ng | # 96   |
| 24) Nitrobenzene               | 9.21  | 77  | 186192 | 38.89 | ng | 97     |
| 25) Isophorone                 | 9.73  | 82  | 385836 | 39.79 | ng | 98     |
| 26) 2-Nitrophenol              | 9.92  | 139 | 96889  | 43.38 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.98  | 122 | 162104 | 39.97 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 221970 | 39.87 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.45 | 162 | 175758 | 42.89 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.67 | 180 | 180600 | 39.76 | ng | 95     |
| 31) Naphthalene                | 10.86 | 128 | 538037 | 39.83 | ng | 98     |
| 32) Benzoic acid               | 10.11 | 122 | 109743 | 35.14 | ng | 94     |
| 33) 4-Chloroaniline            | 10.96 | 127 | 250591 | 40.99 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.14 | 225 | 104586 | 39.06 | ng | 96     |
| 35) Caprolactam                | 11.74 | 113 | 69083  | 39.21 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.08 | 107 | 192870 | 42.18 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.46 | 142 | 406055 | 41.07 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 215823 | 38.05 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.81 | 237 | 98261  | 34.50 | ng | 98     |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091715\  
 Data File : BG018723.D  
 Acq On : 17 Sep 2015 1:59  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Sep 17 06:04:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.07 | 196  | 166564   | 42.41 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.14 | 196  | 171216   | 39.74 | ng    | 99       |
| 45) 1,1'-Biphenyl              | 13.47 | 154  | 547381   | 38.49 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.51 | 162  | 428809   | 39.14 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.71 | 65   | 131331   | 39.84 | ng    | 90       |
| 48) Acenaphthylene             | 14.35 | 152  | 756152   | 39.04 | ng    | 98       |
| 49) Dimethylphthalate          | 14.08 | 163  | 567370   | 38.32 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.20 | 165  | 128579   | 39.96 | ng    | 95       |
| 51) Acenaphthene               | 14.69 | 154  | 441318   | 39.17 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.53 | 138  | 150487   | 39.15 | ng    | 96       |
| 53) 2,4-Dinitrophenol          | 14.74 | 184  | 16203    | 16.65 | ng    | 98       |
| 54) Dibenzofuran               | 15.03 | 168  | 680023   | 38.84 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.84 | 139  | 112323   | 37.84 | ng    | 95       |
| 56) 2,4-Dinitrotoluene         | 14.99 | 165  | 190564   | 41.77 | ng    | 96       |
| 57) Fluorene                   | 15.67 | 166  | 578104   | 38.35 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 154341   | 38.20 | ng    | 98       |
| 59) Diethylphthalate           | 15.45 | 149  | 580841   | 37.61 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204  | 288801   | 39.87 | ng    | 94       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 156656   | 37.79 | ng    | 97       |
| 62) Azobenzene                 | 15.96 | 77   | 507617   | 37.19 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 57861    | 26.62 | ng    | 96       |
| 65) n-Nitrosodiphenylamine     | 15.88 | 169  | 525729   | 40.41 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 186768   | 40.89 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.68 | 284  | 211766   | 42.67 | ng    | 98       |
| 68) Atrazine                   | 16.83 | 200  | 187530   | 36.26 | ng    | 98       |
| 69) Pentachlorophenol          | 17.02 | 266  | 92672    | 30.28 | ng    | 92       |
| 70) Phenanthrene               | 17.41 | 178  | 917449   | 38.83 | ng    | 100      |
| 71) Anthracene                 | 17.51 | 178  | 934691   | 39.07 | ng    | 99       |
| 72) Carbazole                  | 17.77 | 167  | 870780   | 37.61 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.33 | 149  | 1043962  | 38.23 | ng    | 99       |
| 74) Fluoranthene               | 19.42 | 202  | 1089761  | 37.25 | ng    | 98       |
| 76) Benzidine                  | 19.60 | 184  | 510592   | 36.85 | ng    | 97       |
| 77) Pyrene                     | 19.78 | 202  | 1103563  | 38.92 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.66 | 149  | 478416   | 41.50 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 1052260  | 39.61 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 406483   | 40.27 | ng    | 100      |
| 82) Chrysene                   | 21.68 | 228  | 992995   | 39.69 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 682998   | 41.07 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.71 | 149  | 1169709  | 41.58 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.45 | 276  | 1301357  | 40.97 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.81 | 252  | 1116377  | 40.54 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 23.88 | 252  | 1066855  | 38.67 | ng    | 99       |
| 89) Benzo(a)pyrene             | 24.67 | 252  | 1048699  | 40.03 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.51 | 278  | 1037835  | 40.23 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 29.59 | 276  | 1041042  | 39.63 | ng    | 97       |

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

