

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091915\  
 Data File : BG018760.D  
 Acq On : 18 Sep 2015 9:31  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Sep 18 23:07:58 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  | 74355    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.81 | 136  | 335108   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.63 | 164  | 223935   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.37 | 188  | 559174   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.64 | 240  | 556390   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.82 | 264  | 597987   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.57  | 112 | 340845  | 79.19 | ng | 0.00 |
| 7) Phenol-d6             | 7.17  | 99  | 504031  | 81.67 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 448655  | 74.92 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 248224  | 82.32 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.26 | 172 | 1187663 | 73.62 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.98 | 244 | 1658447 | 78.27 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 63915  | 35.53 | ng | # 100  |
| 3) Pyridine                    | 3.87  | 79  | 201081 | 36.05 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.78  | 42  | 66536  | 34.26 | ng | # 71   |
| 6) Aniline                     | 7.33  | 93  | 332849 | 39.13 | ng | 99     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 201654 | 40.57 | ng | 94     |
| 9) Benzaldehyde                | 7.14  | 77  | 125073 | 37.64 | ng | 91     |
| 10) Phenol                     | 7.19  | 94  | 265350 | 40.70 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.42  | 93  | 196114 | 38.82 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.89  | 146 | 224439 | 38.81 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 226878 | 39.12 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.36  | 146 | 219413 | 39.63 | ng | 98     |
| 15) Benzyl Alcohol             | 8.24  | 79  | 179744 | 40.41 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53  | 45  | 207024 | 36.08 | ng | 99     |
| 17) 2-Methylphenol             | 8.45  | 107 | 186627 | 41.20 | ng | 96     |
| 18) Hexachloroethane           | 9.09  | 117 | 78983  | 38.09 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.81  | 70  | 164071 | 37.74 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.77  | 107 | 266634 | 41.92 | ng | 94     |
| 22) Acetophenone               | 8.82  | 105 | 322791 | 38.02 | ng | # 99   |
| 24) Nitrobenzene               | 9.20  | 77  | 238875 | 37.56 | ng | 96     |
| 25) Isophorone                 | 9.73  | 82  | 474184 | 36.82 | ng | 99     |
| 26) 2-Nitrophenol              | 9.91  | 139 | 127492 | 42.97 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.98  | 122 | 214077 | 39.74 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 285183 | 38.56 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.45 | 162 | 229728 | 42.20 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.67 | 180 | 245332 | 40.66 | ng | 95     |
| 31) Naphthalene                | 10.85 | 128 | 692206 | 38.57 | ng | 98     |
| 32) Benzoic acid               | 10.14 | 122 | 185612 | 42.57 | ng | 93     |
| 33) 4-Chloroaniline            | 10.96 | 127 | 330851 | 40.74 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.14 | 225 | 143200 | 40.26 | ng | 96     |
| 35) Caprolactam                | 11.76 | 113 | 83614  | 35.72 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.09 | 107 | 249512 | 41.08 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.46 | 142 | 518745 | 39.49 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 277798 | 39.11 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.80 | 237 | 134633 | 37.74 | ng | 96     |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091915\  
 Data File : BG018760.D  
 Acq On : 18 Sep 2015 9:31  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Sep 18 23:07:58 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      | 13.06 | 196  | 211610   | 43.02 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.14 | 196  | 227372   | 42.14 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.46 | 154  | 681576   | 38.27 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.51 | 162  | 539327   | 39.31 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.71 | 65   | 159692   | 38.68 | ng    | 86       |
| 48) Acenaphthylene             | 14.36 | 152  | 935754   | 38.58 | ng    | 98       |
| 49) Dimethylphthalate          | 14.09 | 163  | 698933   | 37.69 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.20 | 165  | 166387   | 41.30 | ng    | 97       |
| 51) Acenaphthene               | 14.70 | 154  | 536583   | 38.03 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.53 | 138  | 194794   | 40.46 | ng    | 91       |
| 53) 2,4-Dinitrophenol          | 14.74 | 184  | 57034    | 32.94 | ng    | 97       |
| 54) Dibenzofuran               | 15.03 | 168  | 832455   | 37.96 | ng    | 98       |
| 55) 4-Nitrophenol              | 14.84 | 139  | 143139   | 38.51 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 14.99 | 165  | 235712   | 41.25 | ng    | # 93     |
| 57) Fluorene                   | 15.68 | 166  | 709309   | 37.57 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 199102   | 39.35 | ng    | 97       |
| 59) Diethylphthalate           | 15.44 | 149  | 704912   | 36.45 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204  | 354774   | 39.11 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 193800   | 37.34 | ng    | 97       |
| 62) Azobenzene                 | 15.96 | 77   | 611987   | 35.80 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 108038   | 37.22 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 15.88 | 169  | 635208   | 39.22 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 237853   | 41.82 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.68 | 284  | 266730   | 43.17 | ng    | 97       |
| 68) Atrazine                   | 16.83 | 200  | 230792   | 35.84 | ng    | 98       |
| 69) Pentachlorophenol          | 17.02 | 266  | 160600   | 42.15 | ng    | 97       |
| 70) Phenanthrene               | 17.42 | 178  | 1109628  | 37.73 | ng    | 98       |
| 71) Anthracene                 | 17.51 | 178  | 1122984  | 37.71 | ng    | 99       |
| 72) Carbazole                  | 17.78 | 167  | 1067965  | 37.05 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.33 | 149  | 1271940  | 37.41 | ng    | 98       |
| 74) Fluoranthene               | 19.42 | 202  | 1319087  | 36.21 | ng    | 98       |
| 76) Benzidine                  | 19.60 | 184  | 788161   | 47.17 | ng    | 98       |
| 77) Pyrene                     | 19.78 | 202  | 1328739  | 38.86 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.67 | 149  | 583323   | 41.96 | ng    | 94       |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 1281248  | 40.00 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 533885   | 43.87 | ng    | 99       |
| 82) Chrysene                   | 21.68 | 228  | 1184333  | 39.26 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149  | 824837   | 41.13 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 22.71 | 149  | 1420893  | 41.89 | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 28.46 | 276  | 1587371  | 41.44 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.81 | 252  | 1369493  | 39.49 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 23.88 | 252  | 1292710  | 37.21 | ng    | 99       |
| 89) Benzo(a)pyrene             | 24.67 | 252  | 1292388  | 39.17 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.52 | 278  | 1271800  | 39.14 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 29.60 | 276  | 1239261  | 37.46 | ng    | 97       |

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

