

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061217\  
 Data File : BG027378.D  
 Acq On : 12 Jun 2017 16:50  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jun 13 03:51:47 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.55  | 152  | 53842    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 11.36 | 136  | 248323   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 15.12 | 164  | 148158   | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10      | 17.87 | 188  | 360654   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12          | 22.25 | 240  | 445796   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 25.93 | 264  | 413137   | 20.00 | ng    | -0.10    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 6.13  | 112 | 315579  | 89.44 | ng | -0.03 |
| 7) Phenol-d6             | 7.68  | 99  | 452187  | 87.31 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 9.71  | 82  | 377424  | 95.59 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol | 16.61 | 330 | 185345  | 95.00 | ng | -0.04 |
| 44) 2-Fluorobiphenyl     | 13.75 | 172 | 873352  | 82.47 | ng | -0.04 |
| 78) Terphenyl-d14        | 20.45 | 244 | 1467107 | 83.95 | ng | -0.04 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 4.16  | 88  | 68487  | 46.812 | ng | # 84   |
| 3) Pyridine                    | 4.54  | 79  | 209920 | 46.545 | ng | # 79   |
| 4) n-Nitrosodimethylamine      | 4.45  | 42  | 78926  | 47.264 | ng | # 47   |
| 6) Aniline                     | 7.87  | 93  | 262283 | 40.213 | ng | 97     |
| 8) 2-Chlorophenol              | 8.11  | 128 | 155856 | 41.832 | ng | 95     |
| 9) Benzaldehyde                | 7.69  | 77  | 137882 | 38.503 | ng | 90     |
| 10) Phenol                     | 7.71  | 94  | 233858 | 44.152 | ng | 79     |
| 11) bis(2-Chloroethyl)ether    | 7.95  | 93  | 185938 | 42.792 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 8.43  | 146 | 171727 | 40.865 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.58  | 146 | 174289 | 40.413 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.90  | 146 | 168454 | 40.047 | ng | 94     |
| 15) Benzyl Alcohol             | 8.77  | 79  | 137306 | 37.626 | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.05  | 45  | 300015 | 48.255 | ng | 95     |
| 17) 2-Methylphenol             | 8.96  | 107 | 152251 | 40.665 | ng | # 87   |
| 18) Hexachloroethane           | 9.63  | 117 | 62691  | 43.153 | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 9.33  | 70  | 160073 | 44.179 | ng | # 87   |
| 20) 3+4-Methylphenols          | 9.28  | 107 | 214689 | 41.395 | ng | 87     |
| 22) Acetophenone               | 9.36  | 105 | 274123 | 43.166 | ng | # 86   |
| 24) Nitrobenzene               | 9.75  | 77  | 213654 | 47.495 | ng | # 90   |
| 25) Isophorone                 | 10.27 | 82  | 415689 | 44.771 | ng | # 96   |
| 26) 2-Nitrophenol              | 10.46 | 139 | 72046  | 40.220 | ng | # 81   |
| 27) 2,4-Dimethylphenol         | 10.50 | 122 | 163509 | 40.959 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.74 | 93  | 253630 | 42.188 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.99 | 162 | 149365 | 40.985 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 11.21 | 180 | 162062 | 40.160 | ng | 99     |
| 31) Naphthalene                | 11.41 | 128 | 548145 | 40.389 | ng | 100    |
| 32) Benzoic acid               | 10.61 | 122 | 91639  | 35.663 | ng | 91     |
| 33) 4-Chloroaniline            | 11.51 | 127 | 223048 | 39.440 | ng | 92     |
| 34) Hexachlorobutadiene        | 11.68 | 225 | 101880 | 41.079 | ng | 97     |
| 35) Caprolactam                | 12.28 | 113 | 61579  | 49.267 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.58 | 107 | 192944 | 42.241 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.98 | 142 | 381990 | 38.586 | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.33 | 216 | 190768 | 41.332 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 13.31 | 237 | 101210 | 41.199 | ng | 96     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.56 | 196  | 120971   | 43.212 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.63 | 196  | 139552   | 44.547 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.96 | 154  | 495266   | 40.954 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 14.01 | 162  | 380246   | 41.939 | ng    | 98       |
| 47) 2-Nitroaniline             | 14.20 | 65   | 130022   | 50.082 | ng    | # 85     |
| 48) Acenaphthylene             | 14.85 | 152  | 654183   | 42.633 | ng    | 97       |
| 49) Dimethylphthalate          | 14.56 | 163  | 492641   | 41.916 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.69 | 165  | 99053    | 42.248 | ng    | # 83     |
| 51) Acenaphthene               | 15.19 | 154  | 421306   | 42.210 | ng    | 99       |
| 52) 3-Nitroaniline             | 15.02 | 138  | 107622   | 43.568 | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 15.21 | 184  | 49129    | 51.489 | ng    | # 86     |
| 54) Dibenzofuran               | 15.51 | 168  | 572005   | 41.010 | ng    | 95       |
| 55) 4-Nitrophenol              | 15.30 | 139  | 93773    | 45.130 | ng    | # 61     |
| 56) 2,4-Dinitrotoluene         | 15.47 | 165  | 133217   | 44.250 | ng    | # 92     |
| 57) Fluorene                   | 16.17 | 166  | 521631   | 42.106 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.74 | 232  | 121495   | 43.446 | ng    | 97       |
| 59) Diethylphthalate           | 15.91 | 149  | 515789   | 43.998 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.15 | 204  | 260634   | 41.765 | ng    | 95       |
| 61) 4-Nitroaniline             | 16.18 | 138  | 123010   | 48.472 | ng    | # 69     |
| 62) Azobenzene                 | 16.44 | 77   | 523330   | 48.165 | ng    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 71018    | 45.308 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 16.36 | 169  | 453957   | 40.149 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 17.05 | 248  | 169219   | 39.643 | ng    | 95       |
| 67) Hexachlorobenzene          | 17.17 | 284  | 186182   | 40.552 | ng    | 90       |
| 68) Atrazine                   | 17.29 | 200  | 142542   | 37.699 | ng    | 98       |
| 69) Pentachlorophenol          | 17.51 | 266  | 114106   | 42.399 | ng    | 97       |
| 70) Phenanthrene               | 17.92 | 178  | 821515   | 40.486 | ng    | 95       |
| 71) Anthracene                 | 18.01 | 178  | 842007   | 41.420 | ng    | 98       |
| 72) Carbazole                  | 18.27 | 167  | 836956   | 43.652 | ng    | 96       |
| 73) Di-n-butylphthalate        | 18.80 | 149  | 923476   | 49.670 | ng    | # 93     |
| 74) Fluoranthene               | 19.90 | 202  | 1002931  | 46.267 | ng    | 93       |
| 76) Benzidine                  | 20.09 | 184  | 46834    | 3.488  | ng    | 98       |
| 77) Pyrene                     | 20.27 | 202  | 1034242  | 38.397 | ng    | 97       |
| 79) Butylbenzylphthalate       | 21.15 | 149  | 411029   | 43.187 | ng    | 94       |
| 80) Benzo(a)anthracene         | 22.23 | 228  | 1063091  | 41.816 | ng    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 22.12 | 252  | 371525   | 37.565 | ng    | # 97     |
| 82) Chrysene                   | 22.31 | 228  | 1002095  | 41.056 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 22.09 | 149  | 597669   | 41.554 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 23.46 | 149  | 1008694  | 42.344 | ng    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.16 | 276  | 1242221  | 42.023 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 24.75 | 252  | 1076246  | 42.004 | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 24.83 | 252  | 1075358  | 42.780 | ng    | # 93     |
| 89) Benzo(a)pyrene             | 25.75 | 252  | 1016925  | 42.161 | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 30.23 | 278  | 1081241  | 42.823 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 31.49 | 276  | 1034266  | 42.296 | ng    | # 91     |

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

