

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG073015\  
 Data File : BG018173.D  
 Acq On : 30 Jul 2015 13:17  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jul 30 16:22:25 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\Methods\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 44671    | 20.00 | ng    | -0.09    |
| 21) Naphthalene-d8        | 10.28 | 136  | 207794   | 20.00 | ng    | -0.08    |
| 38) Acenaphthene-d10      | 14.17 | 164  | 139344   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10      | 16.93 | 188  | 324846   | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12          | 21.14 | 240  | 288918   | 20.00 | ng    | -0.07    |
| 86) Perylene-d12          | 23.32 | 264  | 270227   | 20.00 | ng    | -0.10    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.10  | 112 | 166924  | 65.19  | ng | -0.09 |
| 7) Phenol-d6             | 6.69  | 99  | 226194  | 67.42  | ng | -0.07 |
| 23) Nitrobenzene-d5      | 8.66  | 82  | 209039  | 65.16  | ng | -0.08 |
| 41) 2,4,6-Tribromophenol | 15.68 | 330 | 171572  | 121.53 | ng | -0.07 |
| 44) 2-Fluorobiphenyl     | 12.79 | 172 | 647814  | 80.56  | ng | -0.07 |
| 78) Terphenyl-d14        | 19.58 | 244 | 1084679 | 94.57  | ng | -0.07 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.03  | 88  | 20965m | 18.63 | ng |        |
| 3) Pyridine                    | 3.42  | 79  | 65435  | 21.76 | ng | # 77   |
| 4) n-Nitrosodimethylamine      | 3.34  | 42  | 22966  | 20.11 | ng | # 74   |
| 6) Aniline                     | 6.84  | 93  | 144476 | 32.30 | ng | # 87   |
| 8) 2-Chlorophenol              | 7.07  | 128 | 113078 | 37.46 | ng | 87     |
| 9) Benzaldehyde                | 6.65  | 77  | 57442  | 27.95 | ng | # 78   |
| 10) Phenol                     | 6.72  | 94  | 115075 | 32.14 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.93  | 93  | 86035  | 30.71 | ng | 84     |
| 12) 1,3-Dichlorobenzene        | 7.39  | 146 | 124535 | 37.57 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 7.53  | 146 | 128875 | 37.92 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.85  | 146 | 122117 | 37.61 | ng | 96     |
| 15) Benzyl Alcohol             | 7.75  | 79  | 84391  | 34.01 | ng | # 90   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.04  | 45  | 68052  | 20.17 | ng | 83     |
| 17) 2-Methylphenol             | 7.96  | 107 | 88726  | 35.54 | ng | 96     |
| 18) Hexachloroethane           | 8.56  | 117 | 42970  | 33.48 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.32  | 70  | 73475  | 29.99 | ng | # 76   |
| 20) 3+4-Methylphenols          | 8.29  | 107 | 123674 | 36.60 | ng | 96     |
| 22) Acetophenone               | 8.32  | 105 | 153867 | 34.28 | ng | # 89   |
| 24) Nitrobenzene               | 8.70  | 77  | 106784 | 31.24 | ng | # 81   |
| 25) Isophorone                 | 9.23  | 82  | 220450 | 32.76 | ng | # 89   |
| 26) 2-Nitrophenol              | 9.41  | 139 | 79181  | 48.55 | ng | # 77   |
| 27) 2,4-Dimethylphenol         | 9.48  | 122 | 113813 | 38.36 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 9.71  | 93  | 119651 | 31.91 | ng | # 97   |
| 29) 2,4-Dichlorophenol         | 9.94  | 162 | 122800 | 46.46 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 10.15 | 180 | 134465 | 42.81 | ng | 98     |
| 31) Naphthalene                | 10.33 | 128 | 384133 | 37.77 | ng | 100    |
| 32) Benzoic acid               | 9.65  | 122 | 86678  | 60.82 | ng | # 81   |
| 33) 4-Chloroaniline            | 10.45 | 127 | 180646 | 39.85 | ng | # 90   |
| 34) Hexachlorobutadiene        | 10.62 | 225 | 80469  | 45.48 | ng | 94     |
| 35) Caprolactam                | 11.25 | 113 | 58479  | 43.54 | ng | # 64   |
| 36) 4-Chloro-3-methylphenol    | 11.61 | 107 | 122657 | 40.88 | ng | 87     |
| 37) 2-Methylnaphthalene        | 11.96 | 142 | 294819 | 40.39 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.34 | 216 | 160283 | 42.91 | ng | # 94   |
| 40) Hexachlorocyclopentadiene  | 12.32 | 237 | 79519  | 39.04 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.59 | 196  | 115210   | 47.43 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.67 | 196  | 120911   | 47.87 | ng #  | 90       |
| 45) 1,1'-Biphenyl              | 13.00 | 154  | 365698   | 37.49 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.03 | 162  | 302895   | 38.31 | ng    | 93       |
| 47) 2-Nitroaniline             | 13.25 | 65   | 65960    | 31.07 | ng #  | 64       |
| 48) Acenaphthylene             | 13.89 | 152  | 513810   | 38.97 | ng    | 98       |
| 49) Dimethylphthalate          | 13.64 | 163  | 394839   | 40.79 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.76 | 165  | 98112    | 44.73 | ng #  | 70       |
| 51) Acenaphthene               | 14.24 | 154  | 298198   | 37.35 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.10 | 138  | 106636   | 43.25 | ng #  | 79       |
| 53) 2,4-Dinitrophenol          | 14.31 | 184  | 61427    | 60.36 | ng #  | 79       |
| 54) Dibenzofuran               | 14.58 | 168  | 458214   | 39.77 | ng    | 93       |
| 55) 4-Nitrophenol              | 14.43 | 139  | 84750    | 43.45 | ng #  | 69       |
| 56) 2,4-Dinitrotoluene         | 14.56 | 165  | 138716   | 47.15 | ng #  | 77       |
| 57) Fluorene                   | 15.23 | 166  | 395740   | 39.96 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.81 | 232  | 111783   | 51.33 | ng #  | 86       |
| 59) Diethylphthalate           | 15.02 | 149  | 387368   | 38.64 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.23 | 204  | 207723   | 42.78 | ng #  | 87       |
| 61) 4-Nitroaniline             | 15.27 | 138  | 116874   | 40.46 | ng    | 84       |
| 62) Azobenzene                 | 15.52 | 77   | 251200   | 27.11 | ng #  | 78       |
| 64) 4,6-Dinitro-2-methylphenol | 15.33 | 198  | 95640    | 53.02 | ng #  | 68       |
| 65) n-Nitrosodiphenylamine     | 15.45 | 169  | 359545   | 36.81 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.12 | 248  | 139163   | 42.75 | ng #  | 87       |
| 67) Hexachlorobenzene          | 16.24 | 284  | 161373   | 44.66 | ng #  | 83       |
| 68) Atrazine                   | 16.41 | 200  | 119178   | 37.15 | ng    | 98       |
| 69) Pentachlorophenol          | 16.59 | 266  | 98270    | 50.59 | ng    | 100      |
| 70) Phenanthrene               | 16.97 | 178  | 619312   | 36.96 | ng    | 99       |
| 71) Anthracene                 | 17.06 | 178  | 610638   | 37.46 | ng    | 99       |
| 72) Carbazole                  | 17.34 | 167  | 571689   | 37.12 | ng    | 97       |
| 73) Di-n-butylphthalate        | 17.91 | 149  | 661575   | 35.04 | ng #  | 97       |
| 74) Fluoranthene               | 19.00 | 202  | 701354   | 38.23 | ng    | 94       |
| 76) Benzidine                  | 19.20 | 184  | 371971   | 45.33 | ng    | 99       |
| 77) Pyrene                     | 19.37 | 202  | 686258   | 42.59 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.28 | 149  | 250921   | 34.77 | ng #  | 76       |
| 80) Benzo(a)anthracene         | 21.12 | 228  | 588574   | 38.57 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.06 | 252  | 240573   | 43.47 | ng #  | 95       |
| 82) Chrysene                   | 21.17 | 228  | 552284   | 38.00 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 321124   | 32.32 | ng #  | 97       |
| 84) Di-n-octyl phthalate       | 21.92 | 149  | 529029   | 33.80 | ng #  | 83       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 673906   | 38.34 | ng #  | 88       |
| 87) Benzo(b)fluoranthene       | 22.66 | 252  | 585453   | 39.60 | ng #  | 93       |
| 88) Benzo(k)fluoranthene       | 22.71 | 252  | 546120   | 36.99 | ng #  | 94       |
| 89) Benzo(a)pyrene             | 23.22 | 252  | 532807   | 38.68 | ng #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.54 | 278  | 571459   | 40.01 | ng #  | 91       |
| 91) Benzo(g,h,i)perylene       | 26.21 | 276  | 538346   | 39.09 | ng #  | 89       |

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

