

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120915\  
 Data File : BM003420.D  
 Acq On : 09 Dec 2015 19:41  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 10 00:23:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM120915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 18:52:47 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 82336    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.52 | 136  | 379613   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.37 | 164  | 209973   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.12 | 188  | 410950   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.32 | 240  | 353364   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.57 | 264  | 330118   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 380694  | 82.20 | ng | 0.00 |
| 7) Phenol-d6             | 6.89  | 99  | 529335  | 82.31 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.88  | 82  | 508464  | 83.05 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.87 | 330 | 170623  | 81.37 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.99 | 172 | 1233951 | 80.07 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.76 | 244 | 1161806 | 77.54 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 75343  | 39.21 | ng | # 100  |
| 3) Pyridine                    | 3.60  | 79  | 218483 | 40.59 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.53  | 42  | 71944  | 41.74 | ng | 86     |
| 6) Aniline                     | 7.05  | 93  | 347857 | 41.09 | ng | 96     |
| 8) 2-Chlorophenol              | 7.29  | 128 | 241119 | 41.12 | ng | 94     |
| 9) Benzaldehyde                | 6.86  | 77  | 129528 | 41.08 | ng | 95     |
| 10) Phenol                     | 6.92  | 94  | 279343 | 40.94 | ng | # 72   |
| 11) bis(2-Chloroethyl)ether    | 7.15  | 93  | 222629 | 40.33 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.61  | 146 | 261044 | 40.52 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.76  | 146 | 267328 | 40.25 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.07  | 146 | 255659 | 40.31 | ng | 97     |
| 15) Benzyl Alcohol             | 7.96  | 79  | 187398 | 42.11 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 240917 | 40.85 | ng | 92     |
| 17) 2-Methylphenol             | 8.16  | 107 | 199570 | 41.83 | ng | 97     |
| 18) Hexachloroethane           | 8.80  | 117 | 94160  | 41.26 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.53  | 70  | 176109 | 41.75 | ng | # 87   |
| 20) 3+4-Methylphenols          | 8.49  | 107 | 274173 | 41.54 | ng | 97     |
| 22) Acetophenone               | 8.55  | 105 | 380262 | 40.87 | ng | # 90   |
| 24) Nitrobenzene               | 8.92  | 77  | 273592 | 41.33 | ng | 91     |
| 25) Isophorone                 | 9.45  | 82  | 511036 | 41.27 | ng | 98     |
| 26) 2-Nitrophenol              | 9.63  | 139 | 136821 | 40.87 | ng | # 93   |
| 27) 2,4-Dimethylphenol         | 9.69  | 122 | 237142 | 40.68 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 9.93  | 93  | 296087 | 39.79 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.16 | 162 | 229022 | 41.24 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.38 | 180 | 249574 | 40.25 | ng | 98     |
| 31) Naphthalene                | 10.56 | 128 | 795152 | 40.03 | ng | 100    |
| 32) Benzoic acid               | 9.85  | 122 | 143709 | 41.38 | ng | 98     |
| 33) 4-Chloroaniline            | 10.67 | 127 | 332346 | 40.53 | ng | # 95   |
| 34) Hexachlorobutadiene        | 10.85 | 225 | 148246 | 40.32 | ng | 97     |
| 35) Caprolactam                | 11.45 | 113 | 71987  | 39.21 | ng | # 74   |
| 36) 4-Chloro-3-methylphenol    | 11.80 | 107 | 256283 | 40.93 | ng | 90     |
| 37) 2-Methylnaphthalene        | 12.18 | 142 | 539833 | 39.62 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216 | 273449 | 40.51 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.53 | 237 | 154720 | 41.09 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.80 | 196  | 183815   | 41.75 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.87 | 196  | 192845   | 41.68 | ng #  | 90       |
| 45) 1,1'-Biphenyl              | 13.20 | 154  | 746351   | 40.08 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.25 | 162  | 554778   | 40.56 | ng #  | 93       |
| 47) 2-Nitroaniline             | 13.45 | 65   | 138014   | 40.68 | ng    | 93       |
| 48) Acenaphthylene             | 14.10 | 152  | 923884   | 40.52 | ng    | 99       |
| 49) Dimethylphthalate          | 13.83 | 163  | 683300   | 39.49 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.96 | 165  | 148520   | 41.14 | ng    | 92       |
| 51) Acenaphthene               | 14.44 | 154  | 524161   | 39.67 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.28 | 138  | 155033   | 41.96 | ng    | 87       |
| 53) 2,4-Dinitrophenol          | 14.49 | 184  | 69585    | 38.01 | ng #  | 78       |
| 54) Dibenzofuran               | 14.77 | 168  | 755148   | 39.57 | ng    | 94       |
| 55) 4-Nitrophenol              | 14.59 | 139  | 121261   | 39.74 | ng    | 81       |
| 56) 2,4-Dinitrotoluene         | 14.75 | 165  | 194028   | 41.42 | ng #  | 71       |
| 57) Fluorene                   | 15.43 | 166  | 619577   | 39.16 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 143809   | 40.43 | ng #  | 100      |
| 59) Diethylphthalate           | 15.20 | 149  | 666520   | 39.23 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.42 | 204  | 310151   | 38.77 | ng    | 93       |
| 61) 4-Nitroaniline             | 15.45 | 138  | 149666   | 39.67 | ng #  | 75       |
| 62) Azobenzene                 | 15.72 | 77   | 535814   | 40.23 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 101746   | 41.04 | ng    | 82       |
| 65) n-Nitrosodiphenylamine     | 15.64 | 169  | 536482   | 41.29 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.32 | 248  | 183486   | 41.41 | ng #  | 86       |
| 67) Hexachlorobenzene          | 16.43 | 284  | 193876   | 40.73 | ng #  | 84       |
| 68) Atrazine                   | 16.59 | 200  | 170926   | 42.18 | ng    | 98       |
| 69) Pentachlorophenol          | 16.77 | 266  | 113015   | 41.59 | ng    | 97       |
| 70) Phenanthrene               | 17.17 | 178  | 919011   | 39.85 | ng    | 99       |
| 71) Anthracene                 | 17.26 | 178  | 925426   | 40.39 | ng    | 99       |
| 72) Carbazole                  | 17.53 | 167  | 815777   | 40.87 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.09 | 149  | 986916   | 42.29 | ng    | 99       |
| 74) Fluoranthene               | 19.19 | 202  | 951303   | 40.00 | ng    | 97       |
| 76) Benzidine                  | 19.37 | 184  | 480227   | 42.42 | ng    | 98       |
| 77) Pyrene                     | 19.55 | 202  | 970540   | 39.16 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.46 | 149  | 388434   | 40.70 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.30 | 228  | 843788   | 39.83 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 294527   | 43.66 | ng    | 99       |
| 82) Chrysene                   | 21.36 | 228  | 812054   | 39.83 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 539732   | 41.24 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.12 | 149  | 905114   | 41.86 | ng #  | 94       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.86 | 276  | 905530   | 42.27 | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 22.89 | 252  | 791035   | 39.42 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.94 | 252  | 787302   | 40.19 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.47 | 252  | 766338   | 40.60 | ng #  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.86 | 278  | 755649   | 41.00 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.55 | 276  | 761881   | 40.92 | ng    | 99       |

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

