

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020718\  
 Data File : BM014156.D  
 Acq On : 07 Feb 2018 11:33  
 Operator : SJ/JU  
 Sample : SSTDICC025  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC025

Quant Time: Feb 07 13:29:58 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 13:28:02 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 84953    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.32 | 136  | 417243   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.20 | 164  | 292546   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.96 | 188  | 724774   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.17 | 240  | 793895   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.35 | 264  | 653176   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.16  | 112  | 241055   | 47.76 | ng    | 0.00     |
| 7) Phenol-d6                | 6.73  | 99   | 346285   | 49.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.70  | 82   | 458773   | 72.46 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.70 | 330  | 207744   | 61.38 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.81 | 172  | 1145044  | 56.42 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.60 | 244  | 1966173  | 61.45 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88   | 52549    | 24.98 | ng    | # 100  |
| 3) Pyridine                    | 3.53  | 79   | 141710   | 22.00 | ng    | # 89   |
| 4) n-Nitrosodimethylamine      | 3.45  | 42   | 89888    | 27.33 | ng    | # 44   |
| 6) Aniline                     | 6.89  | 93   | 221849   | 23.34 | ng    | 93     |
| 8) 2-Chlorophenol              | 7.11  | 128  | 140876   | 23.68 | ng    | 94     |
| 9) Benzaldehyde                | 6.70  | 77   | 135309   | 33.26 | ng    | 90     |
| 10) Phenol                     | 6.76  | 94   | 169789   | 22.07 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93   | 134516   | 21.88 | ng    | 87     |
| 12) 1,3-Dichlorobenzene        | 7.43  | 146  | 175799   | 25.95 | ng    | # 86   |
| 13) 1,4-Dichlorobenzene        | 7.58  | 146  | 176621   | 25.63 | ng    | # 90   |
| 14) 1,2-Dichlorobenzene        | 7.89  | 146  | 172755   | 25.90 | ng    | # 89   |
| 15) Benzyl Alcohol             | 7.80  | 79   | 155980   | 30.83 | ng    | # 85   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.07  | 45   | 142501   | 13.86 | ng    | 79     |
| 17) 2-Methylphenol             | 8.00  | 107  | 130979   | 26.59 | ng    | # 84   |
| 18) Hexachloroethane           | 8.60  | 117  | 75914    | 32.18 | ng    | # 90   |
| 19) n-Nitroso-di-n-propylamine | 8.35  | 70   | 151039   | 29.39 | ng    | 92     |
| 20) 3+4-Methylphenols          | 8.33  | 107  | 183001   | 26.77 | ng    | 85     |
| 22) Acetophenone               | 8.37  | 105  | 290382   | 28.01 | ng    | # 92   |
| 24) Nitrobenzene               | 8.75  | 77   | 228274   | 32.72 | ng    | 96     |
| 25) Isophorone                 | 9.26  | 82   | 371887   | 26.21 | ng    | # 91   |
| 26) 2-Nitrophenol              | 9.45  | 139  | 86454    | 31.07 | ng    | # 46   |
| 27) 2,4-Dimethylphenol         | 9.52  | 122  | 131242   | 19.84 | ng    | # 84   |
| 28) bis(2-Chloroethoxy)methane | 9.75  | 93   | 197767   | 20.43 | ng    | 96     |
| 29) 2,4-Dichlorophenol         | 9.98  | 162  | 151943   | 24.55 | ng    | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.18 | 180  | 195658   | 28.56 | ng    | 97     |
| 31) Naphthalene                | 10.37 | 128  | 555108   | 24.64 | ng    | 99     |
| 32) Benzoic acid               | 9.68  | 122  | 97349    | 23.79 | ng    | # 83   |
| 33) 4-Chloroaniline            | 10.50 | 127  | 223323   | 22.66 | ng    | # 85   |
| 34) Hexachlorobutadiene        | 10.64 | 225  | 136704   | 35.02 | ng    | 97     |
| 35) Caprolactam                | 11.29 | 113  | 51444    | 23.08 | ng    | # 81   |
| 36) 4-Chloro-3-methylphenol    | 11.63 | 107  | 193130   | 26.57 | ng    | # 83   |
| 37) 2-Methylnaphthalene        | 11.99 | 142  | 422630   | 26.95 | ng    | # 90   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216  | 248508   | 28.23 | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.33 | 237  | 117893   | 29.21 | ng    | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.62 | 196  | 146733   | 25.18 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.70 | 196  | 162408   | 27.44 | ng #  | 87       |
| 45) 1,1'-Biphenyl              | 13.03 | 154  | 623050   | 23.99 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.06 | 162  | 480720   | 24.92 | ng #  | 93       |
| 47) 2-Nitroaniline             | 13.30 | 65   | 166965   | 29.48 | ng #  | 80       |
| 48) Acenaphthylene             | 13.92 | 152  | 772683   | 25.70 | ng    | 100      |
| 49) Dimethylphthalate          | 13.67 | 163  | 646433   | 27.81 | ng #  | 98       |
| 50) 2,6-Dinitrotoluene         | 13.80 | 165  | 132517   | 30.11 | ng #  | 58       |
| 51) Acenaphthene               | 14.26 | 154  | 472256   | 24.19 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.13 | 138  | 130786   | 22.88 | ng #  | 69       |
| 53) 2,4-Dinitrophenol          | 14.36 | 184  | 56374    | 39.71 | ng    | 89       |
| 54) Dibenzofuran               | 14.60 | 168  | 735846   | 27.34 | ng #  | 86       |
| 55) 4-Nitrophenol              | 14.46 | 139  | 87170    | 19.59 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 14.60 | 165  | 197099   | 34.20 | ng #  | 77       |
| 57) Fluorene                   | 15.26 | 166  | 651005   | 27.74 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 159888   | 33.39 | ng #  | 100      |
| 59) Diethylphthalate           | 15.04 | 149  | 714271   | 29.82 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204  | 338980   | 30.97 | ng #  | 90       |
| 61) 4-Nitroaniline             | 15.31 | 138  | 131388   | 22.11 | ng #  | 15       |
| 62) Azobenzene                 | 15.55 | 77   | 744451   | 34.49 | ng    | 81       |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 108644   | 41.44 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 15.48 | 169  | 572982   | 25.09 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 212245   | 27.84 | ng #  | 86       |
| 67) Hexachlorobenzene          | 16.26 | 284  | 225332   | 25.19 | ng #  | 73       |
| 68) Atrazine                   | 16.44 | 200  | 220522   | 32.95 | ng    | 99       |
| 69) Pentachlorophenol          | 16.62 | 266  | 128601   | 26.18 | ng    | 96       |
| 70) Phenanthrene               | 17.00 | 178  | 1075353  | 26.64 | ng    | 100      |
| 71) Anthracene                 | 17.09 | 178  | 1078972  | 26.58 | ng    | 99       |
| 72) Carbazole                  | 17.37 | 167  | 976283   | 24.96 | ng    | 100      |
| 73) Di-n-butylphthalate        | 17.94 | 149  | 1295783  | 28.52 | ng #  | 97       |
| 74) Fluoranthene               | 19.03 | 202  | 1284341  | 27.89 | ng    | 98       |
| 76) Benzidine                  | 19.23 | 184  | 552961   | 35.29 | ng    | 98       |
| 77) Pyrene                     | 19.40 | 202  | 1354523  | 27.84 | ng    | 96       |
| 79) Butylbenzylphthalate       | 20.31 | 149  | 574714   | 26.74 | ng #  | 79       |
| 80) Benzo(a)anthracene         | 21.15 | 228  | 1263607  | 28.46 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 460714   | 27.33 | ng    | 99       |
| 82) Chrysene                   | 21.21 | 228  | 1223976  | 29.25 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 831382   | 26.39 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 21.96 | 149  | 1162971  | 21.90 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.51 | 276  | 916960   | 23.49 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 1119213  | 27.91 | ng #  | 95       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 1065754  | 27.72 | ng #  | 97       |
| 89) Benzo(a)pyrene             | 23.25 | 252  | 969863   | 26.81 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.52 | 278  | 777988   | 25.13 | ng #  | 94       |
| 91) Benzo(g,h,i)perylene       | 26.18 | 276  | 723664   | 24.19 | ng #  | 90       |

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

