

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
 Data File : BG025858.D  
 Acq On : 17 Feb 2017 14:19  
 Operator : SJ/MA  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC060

Quant Time: Feb 17 14:56:41 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 13:45:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 107276   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.89 | 136  | 552182   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.69 | 164  | 386965   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.42 | 188  | 777568   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.67 | 240  | 738912   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.89 | 264  | 738521   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.65  | 112 | 755917  | 126.29 | ng | 0.00 |
| 7) Phenol-d6                | 7.24  | 99  | 1119341 | 128.04 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.25  | 82  | 1082578 | 82.84  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330 | 434040  | 78.65  | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.33 | 172 | 2542590 | 106.71 | ng | 0.00 |
| 78) Terphenyl-d14           | 20.02 | 244 | 3298549 | 107.75 | ng | 0.00 |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.55  | 88  | 165432  | 60.96 | ng | # 87   |
| 3) Pyridine                    | 3.95  | 79  | 520429  | 70.67 | ng | # 78   |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 184892  | 43.65 | ng | # 32   |
| 6) Aniline                     | 7.41  | 93  | 781307  | 63.43 | ng | 93     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 451182  | 66.40 | ng | 87     |
| 9) Benzaldehyde                | 7.22  | 77  | 289413  | 39.02 | ng | # 77   |
| 10) Phenol                     | 7.27  | 94  | 611470  | 62.23 | ng | # 75   |
| 11) bis(2-Chloroethyl)ether    | 7.50  | 93  | 492916  | 63.45 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 507193  | 61.04 | ng | # 89   |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 521065  | 61.69 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 505651  | 62.47 | ng | 93     |
| 15) Benzyl Alcohol             | 8.32  | 79  | 426553  | 56.42 | ng | # 81   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 717752  | 45.76 | ng | 92     |
| 17) 2-Methylphenol             | 8.52  | 107 | 446707  | 66.55 | ng | # 83   |
| 18) Hexachloroethane           | 9.18  | 117 | 174403  | 50.70 | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 417270  | 54.09 | ng | # 84   |
| 20) 3+4-Methylphenols          | 8.85  | 107 | 643017  | 70.20 | ng | 87     |
| 22) Acetophenone               | 8.91  | 105 | 794712  | 52.57 | ng | # 81   |
| 24) Nitrobenzene               | 9.29  | 77  | 582158  | 40.80 | ng | # 78   |
| 25) Isophorone                 | 9.82  | 82  | 1180219 | 46.35 | ng | # 90   |
| 26) 2-Nitrophenol              | 10.00 | 139 | 289764  | 57.31 | ng | # 70   |
| 27) 2,4-Dimethylphenol         | 10.05 | 122 | 510053  | 57.92 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93  | 727676  | 53.99 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.53 | 162 | 495106  | 54.78 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.75 | 180 | 510495  | 48.56 | ng | 98     |
| 31) Naphthalene                | 10.94 | 128 | 1670086 | 58.26 | ng | 100    |
| 32) Benzoic acid               | 10.20 | 122 | 409134  | 81.46 | ng | # 78   |
| 33) 4-Chloroaniline            | 11.04 | 127 | 743588  | 62.41 | ng | # 86   |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 288115  | 33.69 | ng | 96     |
| 35) Caprolactam                | 11.82 | 113 | 198978  | 51.67 | ng | # 86   |
| 36) 4-Chloro-3-methylphenol    | 12.15 | 107 | 575440  | 52.27 | ng | # 80   |
| 37) 2-Methylnaphthalene        | 12.53 | 142 | 1285327 | 58.07 | ng | # 94   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 588496  | 45.41 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.88 | 237 | 335637  | 88.75 | ng | 96     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.13 | 196  | 391915   | 51.66 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.20 | 196  | 440267   | 53.76 | ng #  | 93       |
| 45) 1,1'-Biphenyl              | 13.53 | 154  | 1654536  | 61.46 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.58 | 162  | 1213102  | 57.38 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.77 | 65   | 418886   | 46.04 | ng #  | 76       |
| 48) Acenaphthylene             | 14.42 | 152  | 2143849  | 60.96 | ng    | 99       |
| 49) Dimethylphthalate          | 14.15 | 163  | 1562046  | 53.60 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.26 | 165  | 382916   | 58.03 | ng #  | 68       |
| 51) Acenaphthene               | 14.76 | 154  | 1428779  | 65.75 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.58 | 138  | 416025   | 66.86 | ng #  | 75       |
| 53) 2,4-Dinitrophenol          | 14.78 | 184  | 206197   | 66.87 | ng    | 96       |
| 54) Dibenzofuran               | 15.09 | 168  | 1838776  | 56.00 | ng    | 93       |
| 55) 4-Nitrophenol              | 14.88 | 139  | 344993   | 82.81 | ng #  | 48       |
| 56) 2,4-Dinitrotoluene         | 15.04 | 165  | 514692   | 53.31 | ng #  | 79       |
| 57) Fluorene                   | 15.73 | 166  | 1624145  | 55.67 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 386820   | 50.54 | ng    | 96       |
| 59) Diethylphthalate           | 15.50 | 149  | 1604131  | 51.93 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 764062   | 48.31 | ng    | 96       |
| 61) 4-Nitroaniline             | 15.75 | 138  | 426752   | 68.30 | ng #  | 54       |
| 62) Azobenzene                 | 16.02 | 77   | 1399362  | 44.51 | ng    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 298418   | 54.01 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.93 | 169  | 1412096  | 63.26 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.61 | 248  | 494828   | 52.33 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.73 | 284  | 502382   | 47.24 | ng    | 97       |
| 68) Atrazine                   | 16.87 | 200  | 498999   | 45.29 | ng    | 98       |
| 69) Pentachlorophenol          | 17.07 | 266  | 334879   | 71.66 | ng    | 94       |
| 70) Phenanthrene               | 17.46 | 178  | 2411539  | 57.07 | ng    | 99       |
| 71) Anthracene                 | 17.56 | 178  | 2497460  | 57.32 | ng    | 98       |
| 72) Carbazole                  | 17.81 | 167  | 2455098  | 58.18 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.38 | 149  | 2526036  | 51.74 | ng #  | 96       |
| 74) Fluoranthene               | 19.46 | 202  | 2625112  | 45.33 | ng    | 96       |
| 76) Benzidine                  | 19.64 | 184  | 1448445  | 57.09 | ng    | 97       |
| 77) Pyrene                     | 19.82 | 202  | 2683995  | 65.20 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.70 | 149  | 1146391  | 67.08 | ng    | 89       |
| 80) Benzo(a)anthracene         | 21.66 | 228  | 2543926  | 58.13 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.57 | 252  | 926458   | 53.94 | ng #  | 96       |
| 82) Chrysene                   | 21.72 | 228  | 2413997  | 58.36 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 1598340  | 67.15 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 22.78 | 149  | 2753201  | 71.21 | ng #  | 88       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.55 | 276  | 3048695  | 60.46 | ng #  | 86       |
| 87) Benzo(b)fluoranthene       | 23.87 | 252  | 2676352  | 62.70 | ng #  | 95       |
| 88) Benzo(k)fluoranthene       | 23.94 | 252  | 2551210  | 61.07 | ng #  | 94       |
| 89) Benzo(a)pyrene             | 24.74 | 252  | 2533594  | 62.40 | ng #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 28.63 | 278  | 2558265  | 60.93 | ng #  | 92       |
| 91) Benzo(g,h,i)perylene       | 29.71 | 276  | 2568190  | 61.55 | ng #  | 86       |

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

