

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121517\  
 Data File : BG031593.D  
 Acq On : 15 Dec 2017 18:20  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 15 23:00:46 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 61879    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.91 | 136  | 277943   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.73 | 164  | 191084   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.47 | 188  | 475632   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.74 | 240  | 499086   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.03 | 264  | 445868   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 289851  | 83.03 | ng | -0.01 |
| 7) Phenol-d6             | 7.27  | 99  | 399379  | 82.41 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.27  | 82  | 375837  | 83.35 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 203046  | 90.70 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.35 | 172 | 1057025 | 81.20 | ng | 0.00  |
| 78) Terphenyl-d14        | 20.06 | 244 | 1801667 | 82.13 | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 59989  | 36.014 | ng | # 82   |
| 3) Pyridine                    | 3.91  | 79  | 175153 | 39.938 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 79629  | 38.548 | ng | # 90   |
| 6) Aniline                     | 7.42  | 93  | 257703 | 40.377 | ng | 93     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 163183 | 41.906 | ng | 87     |
| 9) Benzaldehyde                | 7.23  | 77  | 109983 | 39.152 | ng | 92     |
| 10) Phenol                     | 7.29  | 94  | 201513 | 40.476 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.51  | 93  | 164029 | 40.368 | ng | 88     |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 184976 | 39.945 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 189589 | 39.393 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 182124 | 39.725 | ng | 97     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 150161 | 39.609 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 169943 | 37.228 | ng | 91     |
| 17) 2-Methylphenol             | 8.55  | 107 | 140909 | 41.521 | ng | 97     |
| 18) Hexachloroethane           | 9.18  | 117 | 65555  | 40.409 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 144726 | 37.941 | ng | # 97   |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 200232 | 39.606 | ng | 94     |
| 22) Acetophenone               | 8.92  | 105 | 279694 | 41.947 | ng | # 94   |
| 24) Nitrobenzene               | 9.31  | 77  | 193377 | 41.849 | ng | 89     |
| 25) Isophorone                 | 9.83  | 82  | 360482 | 42.300 | ng | # 92   |
| 26) 2-Nitrophenol              | 10.03 | 139 | 107827 | 47.191 | ng | # 89   |
| 27) 2,4-Dimethylphenol         | 10.08 | 122 | 153637 | 44.263 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93  | 235822 | 42.862 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 186564 | 45.621 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.77 | 180 | 216122 | 41.373 | ng | 97     |
| 31) Naphthalene                | 10.96 | 128 | 552974 | 40.497 | ng | 97     |
| 32) Benzoic acid               | 10.24 | 122 | 50452  | 30.507 | ng | # 80   |
| 33) 4-Chloroaniline            | 11.07 | 127 | 248653 | 41.940 | ng | 95     |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 144661 | 41.750 | ng | 95     |
| 35) Caprolactam                | 11.85 | 113 | 67690  | 42.154 | ng | # 74   |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 195770 | 41.939 | ng | # 86   |
| 37) 2-Methylnaphthalene        | 12.56 | 142 | 432599 | 40.918 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 311339 | 41.690 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 12.90 | 237 | 93806  | 47.128 | ng | 90     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.17 | 196  | 174572   | 45.753 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 13.26 | 196  | 187182   | 45.542 | ng    | 92       |
| 45) 1,1'-Biphenyl              | 13.56 | 154  | 647344   | 41.247 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.61 | 162  | 464913   | 40.473 | ng    | 95       |
| 47) 2-Nitroaniline             | 13.82 | 65   | 133636   | 41.401 | ng    | # 81     |
| 48) Acenaphthylene             | 14.45 | 152  | 754007   | 40.794 | ng    | 98       |
| 49) Dimethylphthalate          | 14.17 | 163  | 662999   | 41.910 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.30 | 165  | 143815   | 42.531 | ng    | # 74     |
| 51) Acenaphthene               | 14.79 | 154  | 473826   | 40.542 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.64 | 138  | 146828   | 42.597 | ng    | # 79     |
| 53) 2,4-Dinitrophenol          | 14.86 | 184  | 49830    | 40.369 | ng    | # 45     |
| 54) Dibenzofuran               | 15.12 | 168  | 724962   | 38.872 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.97 | 139  | 91487    | 41.083 | ng    | # 77     |
| 56) 2,4-Dinitrotoluene         | 15.10 | 165  | 199530   | 41.545 | ng    | # 73     |
| 57) Fluorene                   | 15.77 | 166  | 589281   | 39.434 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 179508   | 46.465 | ng    | # 85     |
| 59) Diethylphthalate           | 15.53 | 149  | 643432   | 40.577 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204  | 355637   | 38.899 | ng    | 91       |
| 61) 4-Nitroaniline             | 15.80 | 138  | 153276   | 42.373 | ng    | 87       |
| 62) Azobenzene                 | 16.05 | 77   | 487643   | 37.123 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198  | 101746   | 36.637 | ng    | 77       |
| 65) n-Nitrosodiphenylamine     | 15.97 | 169  | 575238   | 41.319 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.65 | 248  | 235379   | 42.558 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.78 | 284  | 240860   | 42.173 | ng    | 95       |
| 68) Atrazine                   | 16.91 | 200  | 219093   | 43.040 | ng    | 96       |
| 69) Pentachlorophenol          | 17.13 | 266  | 95635    | 38.032 | ng    | 94       |
| 70) Phenanthrene               | 17.51 | 178  | 998946   | 40.215 | ng    | 99       |
| 71) Anthracene                 | 17.61 | 178  | 1007355  | 41.004 | ng    | 99       |
| 72) Carbazole                  | 17.88 | 167  | 945733   | 42.538 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.41 | 149  | 1101626  | 42.908 | ng    | 100      |
| 74) Fluoranthene               | 19.52 | 202  | 1282920  | 41.269 | ng    | 98       |
| 76) Benzidine                  | 19.69 | 184  | 471211   | 40.570 | ng    | 98       |
| 77) Pyrene                     | 19.88 | 202  | 1282295  | 41.349 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.74 | 149  | 494385   | 45.444 | ng    | 85       |
| 80) Benzo(a)anthracene         | 21.72 | 228  | 1247820  | 41.422 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.63 | 252  | 447177   | 42.652 | ng    | 98       |
| 82) Chrysene                   | 21.79 | 228  | 1153177  | 39.931 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 664410   | 42.450 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.82 | 149  | 1052840  | 40.779 | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.80 | 276  | 1120749  | 36.313 | ng    | # 53     |
| 87) Benzo(b)fluoranthene       | 23.98 | 252  | 1119043  | 41.980 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 24.05 | 252  | 1119682  | 41.160 | ng    | 97       |
| 89) Benzo(a)pyrene             | 24.88 | 252  | 1034285  | 40.902 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.85 | 278  | 950969   | 39.327 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 29.99 | 276  | 918380   | 38.631 | ng    | 98       |

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

