

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG110618\  
 Data File : BG037840.D  
 Acq On : 6 Nov 2018 16:08  
 Operator : JU/SJ  
 Sample : PB114487BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114487BS

Quant Time: Nov 06 16:43:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 49549    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.91 | 136  | 222376   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.73 | 164  | 149925   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.48 | 188  | 347463   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 315457   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.09 | 264  | 312242   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 489881  | 165.29 | ng | 0.00  |
| 7) Phenol-d6             | 7.24  | 99  | 687816  | 153.48 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.27  | 82  | 325473  | 81.99  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 259898  | 158.94 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.35 | 172 | 784380  | 78.89  | ng | -0.01 |
| 79) Terphenyl-d14        | 20.07 | 244 | 1144106 | 77.50  | ng | -0.01 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 46858  | 31.177 | ng | 97     |
| 3) Pyridine                    | 3.92  | 79  | 136872 | 36.131 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 58915  | 43.664 | ng | 96     |
| 6) Aniline                     | 7.42  | 93  | 174207 | 31.864 | ng | 97     |
| 8) 2-Chlorophenol              | 7.65  | 128 | 151375 | 43.660 | ng | 98     |
| 9) Benzaldehyde                | 7.24  | 77  | 106660 | 38.047 | ng | 97     |
| 10) Phenol                     | 7.27  | 94  | 200888 | 42.485 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.51  | 93  | 141231 | 39.326 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 157152 | 40.715 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 159080 | 40.291 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 151706 | 39.944 | ng | 98     |
| 15) Benzyl Alcohol             | 8.33  | 79  | 131348 | 39.666 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 254471 | 39.601 | ng | 97     |
| 17) 2-Methylphenol             | 8.53  | 107 | 137329 | 43.930 | ng | 97     |
| 18) Hexachloroethane           | 9.18  | 117 | 57672  | 42.846 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 114778 | 37.193 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 190635 | 42.653 | ng | 98     |
| 22) Acetophenone               | 8.92  | 105 | 222482 | 39.892 | ng | # 99   |
| 24) Nitrobenzene               | 9.32  | 77  | 173738 | 42.130 | ng | 96     |
| 25) Isophorone                 | 9.83  | 82  | 325077 | 44.818 | ng | 98     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 86769  | 46.706 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 161750 | 48.764 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93  | 202181 | 42.545 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 165475 | 44.805 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.77 | 180 | 168856 | 42.043 | ng | 95     |
| 31) Naphthalene                | 10.97 | 128 | 482067 | 44.135 | ng | 99     |
| 32) Benzoic acid               | 10.18 | 122 | 72765  | 33.775 | ng | 99     |
| 33) 4-Chloroaniline            | 11.08 | 127 | 135088 | 26.322 | ng | 96     |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 100292 | 42.134 | ng | 96     |
| 35) Caprolactam                | 11.85 | 113 | 57159  | 38.590 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 175401 | 42.112 | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 370237 | 46.500 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.78 | 142 | 353069 | 45.661 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 196388 | 40.610 | ng | 99     |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.89 | 237  | 244868   | 106.004 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.16 | 196  | 138777   | 42.955  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.23 | 196  | 151588   | 43.094  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.56 | 154  | 479684   | 38.633  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.61 | 162  | 380268   | 40.482  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.82 | 65   | 121032   | 42.488  | ng    | 98       |
| 49) Acenaphthylene             | 14.46 | 152  | 629400   | 44.542  | ng    | 99       |
| 50) Dimethylphthalate          | 14.18 | 163  | 478357   | 41.243  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.31 | 165  | 110643   | 43.122  | ng    | 93       |
| 52) Acenaphthene               | 14.79 | 154  | 365700   | 42.023  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 95545    | 33.543  | ng    | # 93     |
| 54) 2,4-Dinitrophenol          | 14.84 | 184  | 58736    | 61.220  | ng    | 98       |
| 55) Dibenzofuran               | 15.13 | 168  | 594521   | 41.233  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 219938   | 104.316 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.09 | 165  | 153424   | 45.553  | ng    | 95       |
| 58) Fluorene                   | 15.77 | 166  | 479779   | 44.435  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.34 | 232  | 133701   | 44.393  | ng    | 99       |
| 60) Diethylphthalate           | 15.53 | 149  | 497496   | 41.780  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204  | 252635   | 40.143  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 117518   | 41.520  | ng    | 89       |
| 63) Azobenzene                 | 16.06 | 77   | 470091   | 41.377  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 64839    | 37.765  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 431839   | 41.317  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 158213   | 41.464  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.77 | 284  | 160055   | 40.473  | ng    | 98       |
| 69) Atrazine                   | 16.92 | 200  | 161041   | 42.616  | ng    | 99       |
| 70) Pentachlorophenol          | 17.12 | 266  | 170639   | 64.418  | ng    | 95       |
| 71) Phenanthrene               | 17.52 | 178  | 778439   | 44.081  | ng    | 99       |
| 72) Anthracene                 | 17.61 | 178  | 790479   | 45.613  | ng    | 98       |
| 73) Carbazole                  | 17.88 | 167  | 708634   | 40.878  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 839797   | 43.549  | ng    | 100      |
| 75) Fluoranthene               | 19.52 | 202  | 891959   | 44.534  | ng    | 99       |
| 77) Benzidine                  | 19.71 | 184  | 383159   | 35.721  | ng    | 99       |
| 78) Pyrene                     | 19.89 | 202  | 884397   | 42.886  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 380980   | 45.141  | ng    | 96       |
| 81) Benzo(a)anthracene         | 21.74 | 228  | 829266   | 44.443  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 225938   | 31.240  | ng    | 98       |
| 83) Chrysene                   | 21.81 | 228  | 782897   | 43.635  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 536197   | 45.325  | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.85 | 149  | 888119   | 46.038  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.90 | 276  | 709149   | 36.851  | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 772973   | 45.155  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.10 | 252  | 798239   | 47.596  | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.94 | 252  | 765301   | 47.048  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.98 | 278  | 534958   | 35.653  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.11 | 276  | 608593   | 40.092  | ng    | 99       |

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

