

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092817\  
 Data File : BG028960.D  
 Acq On : 28 Sep 2017 14:59  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Sohil  
 9/29/2017 6:03:02 PM

Quant Time: Sep 29 05:36:00 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 43406    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 11.10 | 136  | 176814   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 14.89 | 164  | 125250   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 17.65 | 188  | 315401   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 21.97 | 240  | 399080   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 25.42 | 264  | 402193   | 20.00 | ng    | -0.11    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.85  | 112 | 213461  | 81.15 | ng | -0.06 |
| 7) Phenol-d6             | 7.44  | 99  | 313551  | 79.17 | ng | -0.05 |
| 23) Nitrobenzene-d5      | 9.45  | 82  | 306515  | 82.93 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 16.39 | 330 | 167841  | 81.02 | ng | -0.05 |
| 44) 2-Fluorobiphenyl     | 13.52 | 172 | 751990  | 80.06 | ng | -0.05 |
| 78) Terphenyl-d14        | 20.23 | 244 | 1450402 | 77.51 | ng | -0.05 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.78  | 88  | 40913  | 38.406 | ng | 97     |
| 3) Pyridine                    | 4.17  | 79  | 118542 | 39.010 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 4.09  | 42  | 59379  | 42.956 | ng | # 71   |
| 6) Aniline                     | 7.60  | 93  | 183519 | 39.813 | ng | 98     |
| 8) 2-Chlorophenol              | 7.84  | 128 | 119244 | 40.663 | ng | 90     |
| 9) Benzaldehyde                | 7.42  | 77  | 96789  | 39.389 | ng | 87     |
| 10) Phenol                     | 7.46  | 94  | 169474 | 40.545 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 7.69  | 93  | 119247 | 39.736 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 8.17  | 146 | 131316 | 41.586 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.31  | 146 | 131749 | 40.575 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.64  | 146 | 129680 | 40.426 | ng | 98     |
| 15) Benzyl Alcohol             | 8.51  | 79  | 112974 | 36.539 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.79  | 45  | 218479 | 40.058 | ng | 98     |
| 17) 2-Methylphenol             | 8.72  | 107 | 105418 | 38.595 | ng | 96     |
| 18) Hexachloroethane           | 9.36  | 117 | 49496  | 41.591 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70  | 105581 | 37.604 | ng | 91     |
| 20) 3+4-Methylphenols          | 9.05  | 107 | 147044 | 38.488 | ng | 94     |
| 22) Acetophenone               | 9.10  | 105 | 211738 | 40.956 | ng | # 89   |
| 24) Nitrobenzene               | 9.49  | 77  | 166499 | 40.681 | ng | 91     |
| 25) Isophorone                 | 10.01 | 82  | 291900 | 39.030 | ng | 98     |
| 26) 2-Nitrophenol              | 10.21 | 139 | 67779  | 38.911 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 10.26 | 122 | 120978 | 37.995 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.49 | 93  | 164174 | 40.423 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.75 | 162 | 128019 | 40.410 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.96 | 180 | 147719 | 40.873 | ng | 96     |
| 31) Naphthalene                | 11.15 | 128 | 377079 | 40.833 | ng | 97     |
| 32) Benzoic acid               | 10.43 | 122 | 78755  | 36.498 | ng | 90     |
| 33) 4-Chloroaniline            | 11.26 | 127 | 152972 | 39.542 | ng | 96     |
| 34) Hexachlorobutadiene        | 11.42 | 225 | 106976 | 40.187 | ng | 93     |
| 35) Caprolactam                | 12.04 | 113 | 45383  | 39.948 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.37 | 107 | 158827 | 38.523 | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.74 | 142 | 273904 | 39.727 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.10 | 216 | 212622 | 41.287 | ng | # 95   |
| 40) Hexachlorocyclopentadiene  | 13.07 | 237 | 101125 | 53.346 | ng | 97     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.34 | 196  | 122820   | 37.576 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.42 | 196  | 127100   | 38.698 | ng    | # 91     |
| 45) 1,1'-Biphenyl              | 13.73 | 154  | 410919   | 39.625 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.78 | 162  | 303248   | 40.092 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.98 | 65   | 116155   | 41.320 | ng    | 90       |
| 48) Acenaphthylene             | 14.62 | 152  | 479074   | 39.645 | ng    | 96       |
| 49) Dimethylphthalate          | 14.34 | 163  | 421127   | 40.096 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.47 | 165  | 92399    | 39.537 | ng    | 86       |
| 51) Acenaphthene               | 14.96 | 154  | 290979   | 39.639 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.81 | 138  | 85585    | 41.412 | ng    | # 90     |
| 53) 2,4-Dinitrophenol          | 15.02 | 184  | 40462    | 37.573 | ng    | 94       |
| 54) Dibenzofuran               | 15.29 | 168  | 465619   | 39.775 | ng    | 92       |
| 55) 4-Nitrophenol              | 15.12 | 139  | 58905    | 38.903 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 15.26 | 165  | 137363   | 41.802 | ng    | # 85     |
| 57) Fluorene                   | 15.94 | 166  | 419355   | 40.126 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.52 | 232  | 115543   | 39.916 | ng    | # 92     |
| 59) Diethylphthalate           | 15.69 | 149  | 427205   | 39.581 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.92 | 204  | 232643   | 39.093 | ng    | 91       |
| 61) 4-Nitroaniline             | 15.97 | 138  | 91811    | 41.933 | ng    | # 83     |
| 62) Azobenzene                 | 16.22 | 77   | 361168   | 39.787 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 16.03 | 198  | 88044    | 43.261 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 16.14 | 169  | 363799   | 40.237 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.82 | 248  | 163152   | 40.202 | ng    | 94       |
| 67) Hexachlorobenzene          | 16.96 | 284  | 182379   | 39.485 | ng    | # 88     |
| 68) Atrazine                   | 17.08 | 200  | 150694   | 38.817 | ng    | 97       |
| 69) Pentachlorophenol          | 17.30 | 266  | 83303    | 39.916 | ng    | 97       |
| 70) Phenanthrene               | 17.69 | 178  | 652341   | 40.445 | ng    | 94       |
| 71) Anthracene                 | 17.78 | 178  | 660878   | 40.562 | ng    | 98       |
| 72) Carbazole                  | 18.05 | 167  | 636325   | 43.364 | ng    | # 93     |
| 73) Di-n-butylphthalate        | 18.58 | 149  | 744688   | 41.389 | ng    | # 94     |
| 74) Fluoranthene               | 19.69 | 202  | 844602   | 42.887 | ng    | 94       |
| 76) Benzidine                  | 19.86 | 184  | 631166   | 60.988 | ng    | 97       |
| 77) Pyrene                     | 20.05 | 202  | 885611   | 38.473 | ng    | 95       |
| 79) Butylbenzylphthalate       | 20.92 | 149  | 371879   | 40.001 | ng    | 94       |
| 80) Benzo(a)anthracene         | 21.95 | 228  | 970286   | 40.392 | ng    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.85 | 252  | 381177   | 39.138 | ng    | 98       |
| 82) Chrysene                   | 22.02 | 228  | 911893   | 40.008 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.80 | 149  | 538205   | 40.721 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 23.09 | 149  | 936541   | 40.557 | ng    | # 89     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.40 | 276  | 1174184  | 40.094 | ng    | # 85     |
| 87) Benzo(b)fluoranthene       | 24.32 | 252  | 1004726m | 41.696 | ng    |          |
| 88) Benzo(k)fluoranthene       | 24.39 | 252  | 983786   | 40.873 | ng    | 95       |
| 89) Benzo(a)pyrene             | 25.26 | 252  | 937111   | 40.972 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.46 | 278  | 966932   | 40.550 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.65 | 276  | 951833   | 40.910 | ng    | 98       |

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

