

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061515\  
 Data File : BG017685.D  
 Acq On : 15 Jun 2015 10:59  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jun 16 01:41:10 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG061215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 13 02:22:44 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 23710    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.32 | 136  | 90950    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.21 | 164  | 67079    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.96 | 188  | 184352   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.17 | 240  | 265983   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.37 | 264  | 260368   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.10  | 112 | 100169  | 81.82 | ng | 0.00 |
| 7) Phenol-d6             | 6.73  | 99  | 145669  | 81.21 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.69  | 82  | 177543  | 81.94 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.71 | 330 | 96195   | 83.08 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.82 | 172 | 396530  | 81.76 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.61 | 244 | 1061938 | 83.29 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.95  | 88  | 25801  | 42.31 | ng | 97     |
| 3) Pyridine                    | 3.35  | 79  | 70377  | 44.59 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.28  | 42  | 40607  | 44.73 | ng | # 94   |
| 6) Aniline                     | 6.86  | 93  | 93395  | 39.10 | ng | 93     |
| 8) 2-Chlorophenol              | 7.09  | 128 | 58921  | 39.65 | ng | 95     |
| 9) Benzaldehyde                | 6.66  | 77  | 49246  | 40.61 | ng | 92     |
| 10) Phenol                     | 6.76  | 94  | 74684  | 40.02 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.96  | 93  | 52109  | 37.67 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.41  | 146 | 67367  | 38.81 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.55  | 146 | 72930  | 39.88 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 7.87  | 146 | 65477  | 38.52 | ng | 90     |
| 15) Benzyl Alcohol             | 7.78  | 79  | 78093  | 39.50 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.07  | 45  | 21403  | 38.62 | ng | 94     |
| 17) 2-Methylphenol             | 8.00  | 107 | 51967  | 38.44 | ng | 95     |
| 18) Hexachloroethane           | 8.59  | 117 | 31704  | 41.75 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.34  | 70  | 60488  | 37.59 | ng | # 97   |
| 20) 3+4-Methylphenols          | 8.33  | 107 | 74997  | 40.30 | ng | 92     |
| 22) Acetophenone               | 8.35  | 105 | 93607  | 39.05 | ng | # 91   |
| 24) Nitrobenzene               | 8.73  | 77  | 95710  | 40.78 | ng | 94     |
| 25) Isophorone                 | 9.25  | 82  | 160389 | 39.41 | ng | 98     |
| 26) 2-Nitrophenol              | 9.44  | 139 | 37358  | 41.41 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.52  | 122 | 55646  | 38.35 | ng | # 95   |
| 28) bis(2-Chloroethoxy)methane | 9.75  | 93  | 68114  | 38.64 | ng | 94     |
| 29) 2,4-Dichlorophenol         | 9.99  | 162 | 63317  | 40.92 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.19 | 180 | 82533  | 41.27 | ng | # 95   |
| 31) Naphthalene                | 10.37 | 128 | 190833 | 38.87 | ng | # 96   |
| 32) Benzoic acid               | 9.71  | 122 | 30076  | 34.87 | ng | # 71   |
| 33) 4-Chloroaniline            | 10.49 | 127 | 81915  | 40.76 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.65 | 225 | 69811  | 40.69 | ng | 95     |
| 35) Caprolactam                | 11.27 | 113 | 24192  | 32.77 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 11.66 | 107 | 77926  | 39.38 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.00 | 142 | 153621 | 39.14 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 115243 | 42.68 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.35 | 237 | 34180  | 45.03 | ng | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 12.63 | 196  | 71465m   | 42.67 | ng    |          |
| 43) 2,4,5-Trichlorophenol      | 12.72 | 196  | 72653    | 41.47 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.03 | 154  | 196609   | 39.97 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.07 | 162  | 166259   | 40.74 | ng    | 95       |
| 47) 2-Nitroaniline             | 13.29 | 65   | 60332    | 41.86 | ng    | 91       |
| 48) Acenaphthylene             | 13.92 | 152  | 277392   | 39.99 | ng    | 99       |
| 49) Dimethylphthalate          | 13.68 | 163  | 225800   | 39.31 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 13.80 | 165  | 48088    | 38.18 | ng    | 86       |
| 51) Acenaphthene               | 14.27 | 154  | 166336   | 40.37 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.14 | 138  | 45791    | 40.69 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 14.35 | 184  | 25827    | 41.70 | ng    | 95       |
| 54) Dibenzofuran               | 14.61 | 168  | 271184   | 39.86 | ng    | 98       |
| 55) 4-Nitrophenol              | 14.49 | 139  | 27249    | 38.91 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 14.60 | 165  | 75470    | 41.29 | ng    | # 93     |
| 57) Fluorene                   | 15.26 | 166  | 232841   | 39.90 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 79625    | 41.74 | ng    | 97       |
| 59) Diethylphthalate           | 15.05 | 149  | 237867   | 37.32 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204  | 149368   | 40.88 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.30 | 138  | 46244    | 38.55 | ng    | 95       |
| 62) Azobenzene                 | 15.55 | 77   | 277633   | 40.13 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 56143    | 39.25 | ng    | 96       |
| 65) n-Nitrosodiphenylamine     | 15.48 | 169  | 214792   | 39.98 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 103150   | 42.07 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.27 | 284  | 109732   | 41.12 | ng    | 97       |
| 68) Atrazine                   | 16.44 | 200  | 100593   | 37.98 | ng    | 99       |
| 69) Pentachlorophenol          | 16.63 | 266  | 49832    | 43.57 | ng    | 87       |
| 70) Phenanthrene               | 17.00 | 178  | 402948   | 39.16 | ng    | 99       |
| 71) Anthracene                 | 17.10 | 178  | 404476   | 39.59 | ng    | 99       |
| 72) Carbazole                  | 17.38 | 167  | 373844   | 39.91 | ng    | 98       |
| 73) Di-n-butylphthalate        | 17.94 | 149  | 448547   | 39.13 | ng    | 98       |
| 74) Fluoranthene               | 19.04 | 202  | 598680   | 40.67 | ng    | 99       |
| 76) Benzidine                  | 19.23 | 184  | 268620   | 43.22 | ng    | 98       |
| 77) Pyrene                     | 19.40 | 202  | 623341   | 41.51 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.31 | 149  | 224601   | 41.43 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.15 | 228  | 657963   | 40.10 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 250131   | 42.59 | ng    | 100      |
| 82) Chrysene                   | 21.20 | 228  | 601886   | 40.67 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 320758   | 40.27 | ng    | 94       |
| 84) Di-n-octyl phthalate       | 21.95 | 149  | 522519   | 39.38 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.60 | 276  | 795777   | 41.35 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 22.71 | 252  | 666296m  | 39.71 | ng    |          |
| 88) Benzo(k)fluoranthene       | 22.75 | 252  | 665074   | 41.19 | ng    | 100      |
| 89) Benzo(a)pyrene             | 23.27 | 252  | 626340   | 40.41 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.61 | 278  | 665553   | 41.49 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 26.28 | 276  | 609347   | 39.95 | ng    | 99       |
| -----                          |       |      |          |       |       |          |

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

