

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\  
 Data File : BF095246.D  
 Acq On : 19 May 2017 3:59  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 5/19/2017 3:49:37 PM

Quant Time: May 19 15:47:07 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 134870   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.78  | 136  | 547072   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.62 | 164  | 250606   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 15.02 | 188  | 442724   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.69 | 240  | 298543   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.37 | 264  | 219296   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.73  | 112 | 644484  | 79.67 | ng | 0.00 |
| 7) Phenol-d6             | 7.31  | 99  | 800352  | 82.46 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.68  | 82  | 714130  | 82.31 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.92 | 330 | 163399  | 79.61 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.57 | 172 | 1289966 | 74.09 | ng | 0.00 |
| 78) Terphenyl-d14        | 17.35 | 244 | 1234150 | 91.05 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.21  | 88  | 134010  | 33.78 | ng | 94     |
| 3) Pyridine                    | 2.91  | 79  | 306059  | 33.29 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 2.84  | 42  | 109419  | 28.55 | ng | 82     |
| 6) Aniline                     | 7.28  | 93  | 482772  | 39.40 | ng | 96     |
| 8) 2-Chlorophenol              | 7.46  | 128 | 382267  | 41.52 | ng | 95     |
| 9) Benzaldehyde                | 7.09  | 77  | 215454  | 36.35 | ng | 96     |
| 10) Phenol                     | 7.33  | 94  | 394442  | 38.56 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 351767  | 41.66 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.67  | 146 | 425265  | 40.72 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.80  | 146 | 394574  | 37.25 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 400114  | 40.47 | ng | 95     |
| 15) Benzyl Alcohol             | 8.06  | 79  | 272279  | 43.61 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 468783  | 39.23 | ng | 68     |
| 17) 2-Methylphenol             | 8.27  | 107 | 310447  | 41.20 | ng | 98     |
| 18) Hexachloroethane           | 8.54  | 117 | 143705  | 40.05 | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 8.48  | 70  | 269620  | 41.07 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.52  | 107 | 419781  | 41.00 | ng | # 60   |
| 22) Acetophenone               | 8.45  | 105 | 527331  | 40.18 | ng | # 84   |
| 24) Nitrobenzene               | 8.71  | 77  | 370457  | 40.74 | ng | 93     |
| 25) Isophorone                 | 9.11  | 82  | 677140  | 43.71 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.21  | 139 | 211502  | 43.10 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.34  | 122 | 331986  | 41.85 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.47  | 93  | 457661  | 42.71 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 9.62  | 162 | 298014  | 39.78 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.71  | 180 | 316242  | 39.41 | ng | 98     |
| 31) Naphthalene                | 9.82  | 128 | 1096507 | 39.88 | ng | 99     |
| 32) Benzoic acid               | 9.70  | 122 | 186411  | 37.08 | ng | 91     |
| 33) 4-Chloroaniline            | 9.96  | 127 | 386555  | 37.72 | ng | # 93   |
| 34) Hexachlorobutadiene        | 10.03 | 225 | 169890  | 40.12 | ng | 98     |
| 35) Caprolactam                | 10.62 | 113 | 90271m  | 40.13 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 10.81 | 107 | 342963  | 42.82 | ng | 90     |
| 37) 2-Methylnaphthalene        | 10.95 | 142 | 727189  | 40.30 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 305280  | 39.61 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.20 | 237 | 115078  | 38.89 | ng | 100    |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.45 | 196  | 206504   | 40.13 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 11.54 | 196  | 204658   | 37.01 | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 11.71 | 154  | 846946   | 40.14 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.73 | 162  | 677667   | 39.78 | nq    | 94       |
| 47) 2-Nitroaniline             | 11.95 | 65   | 179948   | 38.59 | nq    | # 72     |
| 48) Acenaphthylene             | 12.39 | 152  | 1043982  | 39.12 | nq    | 100      |
| 49) Dimethylphthalate          | 12.27 | 163  | 804587   | 39.11 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 12.36 | 165  | 173495   | 41.34 | nq    | 93       |
| 51) Acenaphthene               | 12.68 | 154  | 612169   | 38.41 | nq    | 99       |
| 52) 3-Nitroaniline             | 12.64 | 138  | 176180   | 39.11 | nq    | 86       |
| 53) 2,4-Dinitrophenol          | 12.85 | 184  | 63908    | 31.73 | nq    | # 66     |
| 54) Dibenzofuran               | 12.96 | 168  | 889030   | 40.31 | nq    | 98       |
| 55) 4-Nitrophenol              | 13.04 | 139  | 77899    | 28.79 | nq    | # 68     |
| 56) 2,4-Dinitrotoluene         | 13.03 | 165  | 228461   | 42.36 | nq    | # 95     |
| 57) Fluorene                   | 13.52 | 166  | 742034   | 38.69 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.20 | 232  | 149606   | 42.98 | nq    | # 92     |
| 59) Diethylphthalate           | 13.41 | 149  | 778175   | 39.46 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.54 | 204  | 336173   | 39.88 | nq    | 91       |
| 61) 4-Nitroaniline             | 13.64 | 138  | 131765   | 31.86 | nq    | 96       |
| 62) Azobenzene                 | 13.79 | 77   | 628398   | 39.66 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 13.70 | 198  | 119189   | 40.16 | nq    | # 66     |
| 65) n-Nitrosodiphenylamine     | 13.75 | 169  | 647059   | 40.27 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.32 | 248  | 186634   | 39.90 | nq    | 98       |
| 67) Hexachlorobenzene          | 14.41 | 284  | 190895   | 39.82 | nq    | # 86     |
| 68) Atrazine                   | 14.67 | 200  | 184631   | 40.70 | nq    | 97       |
| 69) Pentachlorophenol          | 14.77 | 266  | 83193    | 41.43 | nq    | 97       |
| 70) Phenanthrene               | 15.07 | 178  | 1011203  | 39.75 | nq    | 98       |
| 71) Anthracene                 | 15.15 | 178  | 1036853  | 39.90 | nq    | 99       |
| 72) Carbazole                  | 15.42 | 167  | 927693   | 39.24 | nq    | 97       |
| 73) Di-n-butylphthalate        | 15.99 | 149  | 1219796  | 41.37 | nq    | 98       |
| 74) Fluoranthene               | 16.80 | 202  | 1022125  | 39.17 | nq    | 98       |
| 76) Benzidine                  | 17.04 | 184  | 54783    | 12.44 | nq    | # 90     |
| 77) Pyrene                     | 17.11 | 202  | 1029219  | 46.10 | nq    | 99       |
| 79) Butylbenzylphthalate       | 18.00 | 149  | 486462   | 46.84 | nq    | 88       |
| 80) Benzo(a)anthracene         | 18.68 | 228  | 676801   | 38.95 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.66 | 252  | 199531   | 33.25 | nq    | # 96     |
| 82) Chrysene                   | 18.73 | 228  | 678261   | 40.37 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149  | 675042   | 45.62 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 19.51 | 149  | 1028116  | 42.38 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.70 | 276  | 563952   | 41.33 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.96 | 252  | 517579   | 38.20 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 19.98 | 252  | 569976   | 43.61 | nq    | 96       |
| 89) Benzo(a)pyrene             | 20.31 | 252  | 500251   | 40.01 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 21.70 | 278  | 474723   | 45.97 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 22.08 | 276  | 484454m  | 47.81 | nq    |          |

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

