

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\  
 Data File : BF104246.D  
 Acq On : 5 Apr 2018 00:32  
 Operator : JU/SJ  
 Sample : J2203-01MS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-D02-D02A-E02-E02AMS

Quant Time: Apr 05 02:08:23 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:06:58 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 128846   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.23  | 136  | 534381   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.99  | 164  | 235976   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.49 | 188  | 384437   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.14 | 240  | 235958   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.68 | 264  | 232353   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.59  | 112 | 1031449 | 127.66 | ng | 0.00 |
| 7) Phenol-d6             | 6.60  | 99  | 1234293 | 124.17 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.52  | 82  | 773129  | 88.48  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 306731  | 116.73 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.30  | 172 | 1358013 | 90.75  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.07 | 244 | 1035632 | 101.34 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.85 | 88  | 106983  | 30.702 | ng | # 81   |
| 3) Pyridine                    | 3.69 | 79  | 184891  | 20.959 | ng | 88     |
| 4) n-Nitrosodimethylamine      | 3.65 | 42  | 51327   | 19.575 | ng | # 88   |
| 6) Aniline                     | 6.63 | 93  | 297907  | 25.035 | ng | # 76   |
| 8) 2-Chlorophenol              | 6.75 | 128 | 357410  | 40.328 | ng | 97     |
| 9) Benzaldehyde                | 6.53 | 77  | 43634   | 6.291  | ng | 98     |
| 10) Phenol                     | 6.62 | 94  | 477948  | 43.396 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.69 | 93  | 405915  | 42.770 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 6.89 | 146 | 350620  | 35.194 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.97 | 146 | 399799  | 37.453 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.12 | 146 | 371780  | 38.748 | ng | 99     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 218164  | 33.756 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45  | 392090  | 37.921 | ng | # 44   |
| 17) 2-Methylphenol             | 7.21 | 107 | 262896  | 36.446 | ng | # 78   |
| 18) Hexachloroethane           | 7.45 | 117 | 124290  | 34.776 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70  | 239375  | 40.579 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.37 | 107 | 328371  | 35.669 | ng | # 59   |
| 22) Acetophenone               | 7.37 | 105 | 498143  | 38.528 | ng | 98     |
| 24) Nitrobenzene               | 7.54 | 77  | 313272  | 34.074 | ng | 99     |
| 25) Isophorone                 | 7.76 | 82  | 664947  | 41.292 | ng | 98     |
| 26) 2-Nitrophenol              | 7.85 | 139 | 181014  | 37.718 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.89 | 122 | 287463  | 41.533 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93  | 429907  | 42.595 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.10 | 162 | 286124  | 39.578 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.17 | 180 | 310018  | 37.795 | ng | 98     |
| 31) Naphthalene                | 8.26 | 128 | 1066296 | 40.844 | ng | 100    |
| 32) Benzoic acid               | 8.03 | 122 | 115708  | 22.820 | ng | 96     |
| 33) 4-Chloroaniline            | 8.32 | 127 | 180562  | 16.406 | ng | 94     |
| 34) Hexachlorobutadiene        | 8.36 | 225 | 161737  | 36.235 | ng | 98     |
| 35) Caprolactam                | 8.68 | 113 | 82944   | 36.184 | ng | # 78   |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107 | 304858  | 39.868 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.95 | 142 | 650645  | 37.836 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 295653  | 40.857 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 9.09 | 237 | 58373   | 21.370 | ng | 97     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.23  | 196  | 174174   | 38.012 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.28  | 196  | 204196   | 36.908 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.41  | 154  | 814470   | 40.214 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.44  | 162  | 626429   | 39.211 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 176574   | 38.761 | ng    | 92       |
| 48) Acenaphthylene             | 9.85  | 152  | 898029   | 37.104 | ng    | 100      |
| 49) Dimethylphthalate          | 9.70  | 163  | 877969   | 47.124 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 157201   | 39.219 | ng    | 95       |
| 51) Acenaphthene               | 10.03 | 154  | 514904   | 36.776 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.97  | 138  | 122395   | 26.563 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 10.09 | 184  | 22420    | 17.492 | ng    | # 50     |
| 54) Dibenzofuran               | 10.20 | 168  | 778697   | 38.085 | ng    | 96       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 128699   | 46.583 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.19 | 165  | 187690   | 36.696 | ng    | # 94     |
| 57) Fluorene                   | 10.55 | 166  | 628918   | 37.290 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.32 | 232  | 151474   | 36.543 | ng    | 89       |
| 59) Diethylphthalate           | 10.40 | 149  | 691305   | 38.732 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204  | 305050   | 39.380 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.60 | 138  | 134039   | 31.089 | ng    | 92       |
| 62) Azobenzene                 | 10.69 | 77   | 613532   | 38.015 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 31116    | 13.371 | ng    | 87       |
| 65) n-Nitrosodiphenylamine     | 10.65 | 169  | 559722   | 42.991 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.02 | 248  | 167107   | 40.630 | ng    | 91       |
| 67) Hexachlorobenzene          | 11.09 | 284  | 183656   | 38.819 | ng    | # 86     |
| 68) Atrazine                   | 11.17 | 200  | 166550   | 41.756 | ng    | 100      |
| 69) Pentachlorophenol          | 11.29 | 266  | 150273   | 57.721 | ng    | 97       |
| 70) Phenanthrene               | 11.51 | 178  | 775215   | 37.245 | ng    | 100      |
| 71) Anthracene                 | 11.56 | 178  | 917472   | 42.201 | ng    | 99       |
| 72) Carbazole                  | 11.73 | 167  | 791808   | 38.159 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.03 | 149  | 1005276  | 40.673 | ng    | 99       |
| 74) Fluoranthene               | 12.70 | 202  | 747572   | 33.790 | ng    | 98       |
| 76) Benzidine                  | 12.84 | 184  | 386227   | 57.438 | ng    | 97       |
| 77) Pyrene                     | 12.94 | 202  | 704935   | 41.560 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.53 | 149  | 352358   | 44.093 | ng    | 95       |
| 80) Benzo(a)anthracene         | 14.13 | 228  | 536270   | 36.322 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.09 | 252  | 209083   | 42.783 | ng    | 97       |
| 82) Chrysene                   | 14.17 | 228  | 595535   | 41.182 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149  | 459331   | 44.486 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.71 | 149  | 726426   | 40.899 | ng    | # 94     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 543399   | 36.262 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 476696   | 33.711 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.25 | 252  | 620835   | 46.607 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.62 | 252  | 525418   | 40.095 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.27 | 278  | 464167   | 38.311 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.75 | 276  | 422344   | 34.803 | ng    | 96       |

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

