

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012915\  
 Data File : BF077123.D  
 Acq On : 29 Jan 2015 14:10  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 30 00:41:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 30 00:11:29 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 26299    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.60 | 136  | 118434   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.71 | 164  | 65390    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.57 | 188  | 113062   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.08 | 240  | 117664   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.72 | 264  | 109666   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 4.70  | 112 | 133980 | 83.76 | ng | 0.00 |
| 7) Phenol-d6             | 7.10  | 99  | 175525 | 86.99 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.00  | 82  | 180036 | 84.22 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.45 | 330 | 45599  | 85.91 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.25 | 172 | 348490 | 81.10 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.81 | 244 | 392045 | 76.71 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.10  | 88  | 2639m  | 3.85  | ng |        |
| 3) Pyridine                    | 1.53  | 79  | 66513  | 37.53 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 1.49  | 42  | 42191  | 48.06 | ng | 84     |
| 6) Aniline                     | 6.97  | 93  | 119865 | 42.92 | ng | 97     |
| 8) 2-Chlorophenol              | 7.21  | 128 | 78936  | 42.81 | ng | 95     |
| 9) Benzaldehyde                | 6.69  | 77  | 44783  | 38.67 | ng | 95     |
| 10) Phenol                     | 7.13  | 94  | 93646  | 43.71 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 70671  | 42.15 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 7.52  | 146 | 89074  | 42.46 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 93910  | 42.21 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 85728  | 41.82 | ng | 98     |
| 15) Benzyl Alcohol             | 8.13  | 79  | 74547  | 45.66 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.48  | 45  | 95033  | 42.17 | ng | 98     |
| 17) 2-Methylphenol             | 8.49  | 107 | 65753  | 43.63 | ng | 96     |
| 18) Hexachloroethane           | 8.78  | 117 | 33837  | 43.73 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 61622  | 43.63 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.87  | 107 | 83255  | 41.72 | ng | 96     |
| 22) Acetophenone               | 8.69  | 105 | 119413 | 41.16 | ng | 98     |
| 24) Nitrobenzene               | 9.03  | 77  | 91201  | 41.88 | ng | 97     |
| 25) Isophorone                 | 9.64  | 82  | 160164 | 41.14 | ng | 98     |
| 26) 2-Nitrophenol              | 9.77  | 139 | 43917  | 39.70 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 68314  | 40.57 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 91419  | 41.31 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.38 | 162 | 65022  | 41.43 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.50 | 180 | 71201  | 40.84 | ng | 96     |
| 31) Naphthalene                | 10.64 | 128 | 245759 | 40.31 | ng | 98     |
| 32) Benzoic acid               | 10.45 | 122 | 35829m | 38.40 | ng |        |
| 33) 4-Chloroaniline            | 10.89 | 127 | 102985 | 41.80 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.01 | 225 | 41014  | 39.65 | ng | 99     |
| 35) Caprolactam                | 11.76 | 113 | 20521  | 44.41 | ng | # 75   |
| 36) 4-Chloro-3-methylphenol    | 12.21 | 107 | 76949  | 42.82 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.30 | 142 | 173308 | 41.62 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.70 | 216 | 64303  | 39.77 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.69 | 237 | 29282  | 36.30 | ng | 91     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.05 | 196  | 50615    | 42.97 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.15 | 196  | 52345    | 43.57 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.45 | 154  | 198334   | 40.91 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.42 | 162  | 163977   | 41.11 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.77 | 65   | 52970    | 43.77 | ng    | 89       |
| 48) Acenaphthylene             | 14.37 | 152  | 277589   | 41.25 | ng    | 99       |
| 49) Dimethylphthalate          | 14.33 | 163  | 189108   | 40.78 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.43 | 165  | 40457    | 43.67 | ng    | 96       |
| 51) Acenaphthene               | 14.79 | 154  | 153389   | 40.18 | ng    | 96       |
| 52) 3-Nitroaniline             | 14.77 | 138  | 48567    | 40.44 | ng    | 90       |
| 53) 2,4-Dinitrophenol          | 15.05 | 184  | 14024    | 39.27 | ng    | 91       |
| 54) Dibenzofuran               | 15.21 | 168  | 226940   | 40.81 | ng    | 98       |
| 55) 4-Nitrophenol              | 15.39 | 139  | 27942    | 38.44 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 15.36 | 165  | 56043    | 40.69 | ng    | # 92     |
| 57) Fluorene                   | 15.98 | 166  | 191265   | 40.59 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.58 | 232  | 37136    | 42.45 | ng    | # 92     |
| 59) Diethylphthalate           | 15.98 | 149  | 192753   | 41.13 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.07 | 204  | 79254    | 41.11 | ng    | 95       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 48924    | 42.07 | ng    | 97       |
| 62) Azobenzene                 | 16.37 | 77   | 207173   | 42.43 | ng    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 27075    | 38.00 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 16.32 | 169  | 162855   | 40.40 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.94 | 248  | 45879    | 40.05 | ng    | # 88     |
| 67) Hexachlorobenzene          | 16.95 | 284  | 50056    | 41.47 | ng    | 97       |
| 68) Atrazine                   | 17.33 | 200  | 50747    | 41.48 | ng    | 97       |
| 69) Pentachlorophenol          | 17.33 | 266  | 22255    | 43.63 | ng    | 91       |
| 70) Phenanthrene               | 17.60 | 178  | 285557   | 40.50 | ng    | 99       |
| 71) Anthracene                 | 17.68 | 178  | 280039   | 40.73 | ng    | 100      |
| 72) Carbazole                  | 17.97 | 167  | 279772   | 41.95 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.57 | 149  | 323260   | 41.88 | ng    | 99       |
| 74) Fluoranthene               | 19.26 | 202  | 304672   | 42.17 | ng    | 96       |
| 76) Benzidine                  | 19.50 | 184  | 91453    | 24.29 | ng    | 99       |
| 77) Pyrene                     | 19.53 | 202  | 309160   | 38.34 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.47 | 149  | 147464   | 40.38 | ng    | # 81     |
| 80) Benzo(a)anthracene         | 21.07 | 228  | 320119   | 43.36 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.08 | 252  | 99826    | 42.55 | ng    | 99       |
| 82) Chrysene                   | 21.11 | 228  | 265327   | 39.41 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 202136   | 40.00 | ng    | # 96     |
| 84) Di-n-octyl phthalate       | 21.98 | 149  | 360384   | 41.09 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.83 | 276  | 306030   | 42.89 | ng    | # 85     |
| 87) Benzo(b)fluoranthene       | 22.31 | 252  | 291870   | 39.52 | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 22.35 | 252  | 274899m  | 42.60 | ng    |          |
| 89) Benzo(a)pyrene             | 22.67 | 252  | 274695   | 42.16 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 23.85 | 278  | 247642   | 41.43 | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 24.11 | 276  | 252699   | 42.52 | ng    | 98       |

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

