

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020915\  
 Data File : BF077230.D  
 Acq On : 9 Feb 2015 18:22  
 Operator : TP/IZ  
 Sample : G1212-01MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-A1A-A2A-A3A-A4AMS

Quant Time: Feb 10 01:14:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 00:55:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 27904    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 120545   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.61 | 164  | 60404    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.51 | 188  | 114789   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.01 | 240  | 102968   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.66 | 264  | 91869    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 4.60  | 112 | 182617 | 107.60 | ng | 0.00  |
| 7) Phenol-d6             | 7.01  | 99  | 225398 | 105.28 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.90  | 82  | 144333 | 66.33  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 55755  | 113.71 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.15 | 172 | 299145 | 75.37  | ng | -0.01 |
| 78) Terphenyl-d14        | 19.76 | 244 | 322559 | 72.12  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.07  | 88  | 17899  | 24.63 | ng | # 93   |
| 3) Pyridine                    | 1.50  | 79  | 49496  | 26.32 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 1.46  | 42  | 31480  | 33.79 | ng | # 99   |
| 6) Aniline                     | 6.89  | 93  | 44519  | 15.03 | ng | 96     |
| 8) 2-Chlorophenol              | 7.13  | 128 | 62939  | 32.17 | ng | 92     |
| 10) Phenol                     | 7.04  | 94  | 68661  | 30.20 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 58688  | 32.99 | ng | # 83   |
| 12) 1,3-Dichlorobenzene        | 7.44  | 146 | 70992  | 31.89 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.63  | 146 | 69275  | 29.35 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.94  | 146 | 68678  | 31.58 | ng | 97     |
| 15) Benzyl Alcohol             | 8.05  | 79  | 54878  | 31.68 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.40  | 45  | 78895  | 32.99 | ng | 93     |
| 17) 2-Methylphenol             | 8.41  | 107 | 49248  | 30.80 | ng | 97     |
| 18) Hexachloroethane           | 8.68  | 117 | 27068  | 32.97 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.68  | 70  | 47407  | 31.63 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.80  | 107 | 58412  | 27.59 | ng | 97     |
| 22) Acetophenone               | 8.59  | 105 | 94304  | 31.94 | ng | 99     |
| 24) Nitrobenzene               | 8.94  | 77  | 65939  | 29.75 | ng | # 98   |
| 25) Isophorone                 | 9.55  | 82  | 124823 | 31.50 | ng | 96     |
| 26) 2-Nitrophenol              | 9.69  | 139 | 30964  | 28.04 | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 9.97  | 122 | 57011  | 33.26 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93  | 75623  | 33.58 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.31 | 162 | 48227  | 30.19 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.42 | 180 | 56360  | 31.76 | ng | 98     |
| 31) Naphthalene                | 10.55 | 128 | 189746 | 30.57 | ng | 100    |
| 32) Benzoic acid               | 10.39 | 122 | 7947   | 8.37  | ng | # 86   |
| 33) 4-Chloroaniline            | 10.82 | 127 | 42411  | 16.91 | ng | # 94   |
| 34) Hexachlorobutadiene        | 10.92 | 225 | 32889  | 31.24 | ng | 96     |
| 35) Caprolactam                | 11.65 | 113 | 12200  | 25.94 | ng | # 90   |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 56564  | 30.92 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.20 | 142 | 139962 | 33.02 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.60 | 216 | 55409  | 37.10 | ng | 95     |
| 40) Hexachlorocyclopentadiene  | 12.59 | 237 | 49707  | 62.87 | ng | 97     |
| 42) 2,4,6-Trichlorophenol      | 12.97 | 196 | 34556  | 31.76 | ng | 93     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.07 | 196  | 28828    | 25.98 | ng    | # 91     |
| 45) 1,1'-Biphenyl              | 13.36 | 154  | 162992   | 36.40 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.32 | 162  | 130240   | 35.34 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.69 | 65   | 38640    | 34.57 | ng    | # 85     |
| 48) Acenaphthylene             | 14.27 | 152  | 211584   | 34.04 | ng    | 98       |
| 49) Dimethylphthalate          | 14.24 | 163  | 158099   | 36.91 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.33 | 165  | 32378    | 37.83 | ng    | # 85     |
| 51) Acenaphthene               | 14.69 | 154  | 118627   | 33.64 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.68 | 138  | 24308    | 22.74 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 14.97 | 184  | 17692    | 49.33 | ng    | # 83     |
| 54) Dibenzofuran               | 15.12 | 168  | 184849   | 35.98 | ng    | 96       |
| 55) 4-Nitrophenol              | 15.31 | 139  | 33385    | 49.72 | ng    | # 84     |
| 56) 2,4-Dinitrotoluene         | 15.27 | 165  | 45458    | 35.98 | ng    | 96       |
| 57) Fluorene                   | 15.89 | 166  | 150244   | 34.52 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 26771    | 33.13 | ng    | # 90     |
| 59) Diethylphthalate           | 15.91 | 149  | 165419   | 38.21 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204  | 67631    | 37.98 | ng    | # 84     |
| 61) 4-Nitroaniline             | 16.05 | 138  | 29635    | 28.08 | ng    | 89       |
| 62) Azobenzene                 | 16.28 | 77   | 170119   | 37.71 | ng    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198  | 19049    | 27.35 | ng    | 87       |
| 65) n-Nitrosodiphenylamine     | 16.25 | 169  | 123903   | 30.27 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.87 | 248  | 38320    | 32.95 | ng    | 98       |
| 67) Hexachlorobenzene          | 16.88 | 284  | 38970    | 31.80 | ng    | # 88     |
| 68) Atrazine                   | 17.27 | 200  | 43144    | 34.74 | ng    | 95       |
| 69) Pentachlorophenol          | 17.27 | 266  | 24947    | 47.46 | ng    | 91       |
| 70) Phenanthrene               | 17.54 | 178  | 219969   | 30.73 | ng    | 98       |
| 71) Anthracene                 | 17.62 | 178  | 223978   | 32.09 | ng    | 97       |
| 72) Carbazole                  | 17.91 | 167  | 206169   | 30.45 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.51 | 149  | 265409   | 33.87 | ng    | 98       |
| 74) Fluoranthene               | 19.20 | 202  | 232153   | 31.65 | ng    | 97       |
| 76) Benzidine                  | 19.45 | 184  | 89258    | 27.09 | ng    | 98       |
| 77) Pyrene                     | 19.47 | 202  | 236743   | 33.55 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.42 | 149  | 116318   | 36.40 | ng    | 93       |
| 80) Benzo(a)anthracene         | 21.00 | 228  | 206279   | 31.93 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 45701    | 22.26 | ng    | 95       |
| 82) Chrysene                   | 21.05 | 228  | 197101   | 33.46 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 174901   | 39.55 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 21.93 | 149  | 292383   | 38.10 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.76 | 276  | 197437   | 31.62 | ng    | # 83     |
| 87) Benzo(b)fluoranthene       | 22.25 | 252  | 190901m  | 30.85 | ng    |          |
| 88) Benzo(k)fluoranthene       | 22.28 | 252  | 190707m  | 35.28 | ng    |          |
| 89) Benzo(a)pyrene             | 22.59 | 252  | 180087   | 33.00 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 23.78 | 278  | 160488   | 32.05 | ng    | # 94     |
| 91) Benzo(g,h,i)perylene       | 24.02 | 276  | 164733   | 33.09 | ng    | 98       |

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

