

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021315\  
 Data File : BF077314.D  
 Acq On : 13 Feb 2015 18:33  
 Operator : TP/IZ  
 Sample : G1294-03MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1004-50(0-2)MS

Quant Time: Feb 14 00:39:58 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 13 13:10:36 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 26252    | 20.00 | ng    | 0.01     |
| 21) Naphthalene-d8        | 10.41 | 136  | 111379   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.52 | 164  | 54028    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.44 | 188  | 102574   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 20.95 | 240  | 98861    | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 22.60 | 264  | 88495    | 20.00 | ng    | -0.03    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 4.50  | 112 | 151317 | 90.19 | ng | 0.01  |
| 7) Phenol-d6                | 6.92  | 99  | 191909 | 92.36 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 8.81  | 82  | 122251 | 62.70 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330 | 42258  | 95.92 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 13.06 | 172 | 228136 | 63.55 | ng | -0.01 |
| 78) Terphenyl-d14           | 19.69 | 244 | 212290 | 48.23 | ng | -0.01 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.01  | 88  | 18007  | 28.43 | ng | # 92   |
| 3) Pyridine                    | 1.44  | 79  | 48359  | 28.81 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 1.40  | 42  | 24391  | 23.81 | ng | 99     |
| 6) Aniline                     | 6.80  | 93  | 47213  | 17.18 | ng | 96     |
| 8) 2-Chlorophenol              | 7.04  | 128 | 54385  | 28.55 | ng | 95     |
| 10) Phenol                     | 6.96  | 94  | 61941  | 29.00 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.05  | 93  | 49257  | 28.94 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.34  | 146 | 60549  | 28.75 | ng | 93     |
| 13) 1,4-Dichlorobenzene        | 7.54  | 146 | 60203  | 27.72 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 7.85  | 146 | 56829  | 27.62 | ng | 99     |
| 15) Benzyl Alcohol             | 7.96  | 79  | 46468  | 28.24 | ng | 86     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 66418  | 27.85 | ng | 94     |
| 17) 2-Methylphenol             | 8.33  | 107 | 41545  | 28.20 | ng | 94     |
| 18) Hexachloroethane           | 8.59  | 117 | 22368  | 28.36 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.59  | 70  | 39179  | 26.82 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.72  | 107 | 51754m | 27.21 | ng |        |
| 22) Acetophenone               | 8.51  | 105 | 80752  | 30.19 | ng | 98     |
| 24) Nitrobenzene               | 8.85  | 77  | 55290  | 28.60 | ng | 97     |
| 25) Isophorone                 | 9.46  | 82  | 103422 | 29.43 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.60  | 139 | 26141m | 27.85 | ng |        |
| 27) 2,4-Dimethylphenol         | 9.89  | 122 | 46271  | 29.29 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 10.09 | 93  | 63974  | 29.90 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.22 | 162 | 41581m | 28.81 | ng |        |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180 | 46612  | 28.56 | ng | 98     |
| 31) Naphthalene                | 10.45 | 128 | 161316 | 29.34 | ng | 99     |
| 33) 4-Chloroaniline            | 10.73 | 127 | 44159m | 19.91 | ng |        |
| 34) Hexachlorobutadiene        | 10.83 | 225 | 26241  | 28.30 | ng | 96     |
| 35) Caprolactam                | 11.55 | 113 | 12529m | 28.69 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.05 | 107 | 42435  | 26.28 | ng | 90     |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 113993 | 27.66 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.51 | 216 | 43196  | 31.77 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.50 | 237 | 34077  | 53.88 | ng | 94     |
| 42) 2,4,6-Trichlorophenol      | 12.89 | 196 | 26516m | 29.81 | ng |        |
| 43) 2,4,5-Trichlorophenol      | 12.99 | 196 | 22902m | 26.28 | ng |        |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 45) 1,1'-Biphenyl              | 13.27 | 154  | 130484   | 31.34 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.23 | 162  | 106390   | 32.00 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.60 | 65   | 33491m   | 34.47 | nq    |          |
| 48) Acenaphthylene             | 14.18 | 152  | 169617   | 32.33 | nq    | 99       |
| 49) Dimethylphthalate          | 14.15 | 163  | 137404   | 35.17 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.25 | 165  | 25602    | 33.89 | nq    | 87       |
| 51) Acenaphthene               | 14.59 | 154  | 93207    | 30.68 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.59 | 138  | 26285m   | 28.44 | nq    |          |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 8397     | 42.96 | nq    | # 70     |
| 54) Dibenzofuran               | 15.03 | 168  | 144980   | 30.86 | nq    | 98       |
| 55) 4-Nitrophenol              | 15.24 | 139  | 28066m   | 62.40 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 15.19 | 165  | 35030    | 32.53 | nq    | # 98     |
| 57) Fluorene                   | 15.80 | 166  | 123132   | 32.01 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 15820    | 26.75 | nq    | # 100    |
| 59) Diethylphthalate           | 15.83 | 149  | 134756   | 33.12 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204  | 51010    | 31.90 | nq    | 94       |
| 61) 4-Nitroaniline             | 15.99 | 138  | 26370    | 30.52 | nq    | 95       |
| 62) Azobenzene                 | 16.20 | 77   | 124061m  | 31.97 | nq    |          |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198  | 13358    | 26.23 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.17 | 169  | 103525   | 28.30 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.80 | 248  | 28607    | 26.69 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.81 | 284  | 31096    | 28.49 | nq    | # 85     |
| 68) Atrazine                   | 17.20 | 200  | 36317    | 31.34 | nq    | 95       |
| 69) Pentachlorophenol          | 17.20 | 266  | 13680    | 45.24 | nq    | # 89     |
| 70) Phenanthrene               | 17.47 | 178  | 175074   | 28.30 | nq    | 98       |
| 71) Anthracene                 | 17.55 | 178  | 171232   | 27.59 | nq    | 100      |
| 72) Carbazole                  | 17.85 | 167  | 167995   | 28.34 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.45 | 149  | 220683   | 29.25 | nq    | 99       |
| 74) Fluoranthene               | 19.13 | 202  | 175642   | 27.56 | nq    | 97       |
| 76) Benzidine                  | 19.38 | 184  | 91145    | 22.74 | nq    | 99       |
| 77) Pyrene                     | 19.41 | 202  | 189592   | 28.75 | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.36 | 149  | 100273   | 30.04 | nq    | 92       |
| 80) Benzo(a)anthracene         | 20.93 | 228  | 166778   | 27.41 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 44876    | 21.03 | nq    | 98       |
| 82) Chrysene                   | 20.98 | 228  | 159686   | 28.96 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 149314   | 30.06 | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 21.87 | 149  | 267376   | 31.30 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.72 | 276  | 166010   | 30.96 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 22.19 | 252  | 158143   | 25.09 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 22.21 | 252  | 149302m  | 31.37 | nq    |          |
| 89) Benzo(a)pyrene             | 22.55 | 252  | 150043   | 28.59 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 23.75 | 278  | 137426   | 29.49 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 23.99 | 276  | 137765   | 29.88 | nq    | 96       |

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

