

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032315\  
 Data File : BF077898.D  
 Acq On : 23 Mar 2015 17:00  
 Operator : TP/IZ  
 Sample : G1591-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-02-G1-G2-G3-G4MS

Quant Time: Mar 24 02:37:59 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 24 02:23:28 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.12  | 152  | 40489    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.69  | 136  | 168218   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.86 | 164  | 85077    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.69 | 188  | 173883   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 15.97 | 240  | 188276   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 17.72 | 264  | 180873   | 20.00 | ng    | -0.10    |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 278671 | 120.14 | ng | 0.00 |
| 7) Phenol-d6             | 6.69  | 99  | 340956 | 118.97 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.81  | 82  | 206368 | 80.42  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.85 | 330 | 87791  | 107.85 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 10.04 | 172 | 436802 | 75.45  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.69 | 244 | 521311 | 67.63  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.00 | 88  | 33182  | 31.51 | ng | # 100  |
| 3) Pyridine                    | 2.67 | 79  | 91600  | 32.37 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.60 | 42  | 41073  | 33.34 | ng | 97     |
| 6) Aniline                     | 6.70 | 93  | 57526  | 14.03 | ng | # 17   |
| 8) 2-Chlorophenol              | 6.85 | 128 | 101534 | 36.77 | ng | 90     |
| 9) Benzaldehyde                | 6.57 | 77  | 5871   | 5.00  | ng | 94     |
| 10) Phenol                     | 6.72 | 94  | 122192 | 36.07 | ng | # 72   |
| 11) bis(2-Chloroethyl)ether    | 6.81 | 93  | 92038  | 36.27 | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 7.04 | 146 | 106008 | 34.52 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.14 | 146 | 109012 | 34.16 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.32 | 146 | 103403 | 35.35 | ng | 98     |
| 15) Benzyl Alcohol             | 7.31 | 79  | 80389  | 35.93 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.48 | 45  | 120857 | 35.34 | ng | 98     |
| 17) 2-Methylphenol             | 7.46 | 107 | 83332  | 37.07 | ng | 98     |
| 18) Hexachloroethane           | 7.73 | 117 | 36687  | 35.06 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.64 | 70  | 70716  | 35.67 | ng | # 94   |
| 20) 3+4-Methylphenols          | 7.65 | 107 | 105578 | 35.80 | ng | 96     |
| 22) Acetophenone               | 7.63 | 105 | 141079 | 37.88 | ng | # 93   |
| 24) Nitrobenzene               | 7.84 | 77  | 104146 | 37.67 | ng | # 89   |
| 25) Isophorone                 | 8.13 | 82  | 180267 | 34.78 | ng | # 93   |
| 26) 2-Nitrophenol              | 8.22 | 139 | 47494  | 35.09 | ng | # 81   |
| 27) 2,4-Dimethylphenol         | 8.30 | 122 | 90256  | 36.60 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.42 | 93  | 117614 | 37.39 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.53 | 162 | 85268  | 36.28 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.62 | 180 | 87332  | 33.21 | ng | 97     |
| 31) Naphthalene                | 8.72 | 128 | 291213 | 33.71 | ng | 100    |
| 32) Benzoic acid               | 8.41 | 122 | 28858  | 22.72 | ng | 99     |
| 33) 4-Chloroaniline            | 8.80 | 127 | 48185  | 13.74 | ng | # 91   |
| 34) Hexachlorobutadiene        | 8.88 | 225 | 48592  | 32.60 | ng | 97     |
| 35) Caprolactam                | 9.22 | 113 | 25076  | 36.51 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 9.41 | 107 | 90037  | 38.07 | ng | 87     |
| 37) 2-Methylnaphthalene        | 9.57 | 142 | 202094 | 34.82 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.78 | 216 | 86583  | 34.12 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.77 | 237 | 76029  | 60.65 | ng | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.94  | 196  | 61335    | 34.89 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.98  | 196  | 66047    | 34.78 | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 10.16 | 154  | 236589   | 34.79 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 10.18 | 162  | 193927   | 35.09 | nq    | 95       |
| 47) 2-Nitroaniline             | 10.32 | 65   | 52416    | 38.19 | nq    | 96       |
| 48) Acenaphthylene             | 10.68 | 152  | 304788   | 33.16 | nq    | 99       |
| 49) Dimethylphthalate          | 10.56 | 163  | 246977   | 39.14 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.62 | 165  | 50198    | 38.38 | nq    | 91       |
| 51) Acenaphthene               | 10.90 | 154  | 173093   | 32.85 | nq    | 97       |
| 52) 3-Nitroaniline             | 10.82 | 138  | 29965    | 19.73 | nq    | # 69     |
| 53) 2,4-Dinitrophenol          | 10.96 | 184  | 30994    | 66.06 | nq    | 95       |
| 54) Dibenzofuran               | 11.12 | 168  | 278639   | 35.65 | nq    | 96       |
| 55) 4-Nitrophenol              | 11.06 | 139  | 82827    | 73.61 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 11.12 | 165  | 66664    | 39.09 | nq    | 93       |
| 57) Fluorene                   | 11.54 | 166  | 221542   | 34.14 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.28 | 232  | 53418    | 36.53 | nq    | # 100    |
| 59) Diethylphthalate           | 11.42 | 149  | 220203   | 35.82 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 11.55 | 204  | 101030   | 34.11 | nq    | 93       |
| 61) 4-Nitroaniline             | 11.57 | 138  | 49484    | 32.69 | nq    | 75       |
| 62) Azobenzene                 | 11.74 | 77   | 208704   | 35.52 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 11.62 | 198  | 26590    | 33.79 | nq    | 81       |
| 65) n-Nitrosodiphenylamine     | 11.70 | 169  | 190125   | 32.84 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.16 | 248  | 62199    | 33.52 | nq    | # 92     |
| 67) Hexachlorobenzene          | 12.21 | 284  | 66693    | 32.71 | nq    | 95       |
| 68) Atrazine                   | 12.37 | 200  | 59766    | 36.83 | nq    | 95       |
| 69) Pentachlorophenol          | 12.47 | 266  | 63920    | 60.63 | nq    | 97       |
| 70) Phenanthrene               | 12.73 | 178  | 347481   | 34.81 | nq    | 100      |
| 71) Anthracene                 | 12.80 | 178  | 333303   | 33.80 | nq    | 99       |
| 72) Carbazole                  | 13.00 | 167  | 340443   | 36.29 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.46 | 149  | 368566   | 35.04 | nq    | 98       |
| 74) Fluoranthene               | 14.20 | 202  | 373825   | 33.95 | nq    | 99       |
| 76) Benzidine                  | 14.39 | 184  | 119959   | 25.58 | nq    | 100      |
| 77) Pyrene                     | 14.48 | 202  | 393316   | 33.22 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.31 | 149  | 159851   | 34.24 | nq    | 91       |
| 80) Benzo(a)anthracene         | 15.96 | 228  | 373308   | 33.45 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 15.95 | 252  | 72732    | 19.76 | nq    | 98       |
| 82) Chrysene                   | 16.01 | 228  | 356399   | 35.51 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 16.03 | 149  | 237453   | 33.58 | nq    | # 94     |
| 84) Di-n-octyl phthalate       | 16.83 | 149  | 400680   | 33.14 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.08 | 276  | 407327   | 32.52 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 17.27 | 252  | 382635   | 32.40 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 17.30 | 252  | 346898   | 37.61 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 17.65 | 252  | 360421   | 36.58 | nq    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 19.12 | 278  | 341907   | 34.99 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 19.48 | 276  | 348019   | 34.98 | nq    | 98       |

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

