

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\  
 Data File : BM009322.D  
 Acq On : 22 Mar 2017 17:36  
 Operator : SJ/MA  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDC0040

Quant Time: Mar 23 04:05:58 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 16:43:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 176808   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.66 | 136  | 710605   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.50 | 164  | 413387   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.25 | 188  | 917972   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.43 | 240  | 1040163  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.76 | 264  | 912975   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 859632  | 81.04 | ng | 0.00 |
| 7) Phenol-d6             | 7.02  | 99  | 1211885 | 83.78 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.03  | 82  | 1555480 | 82.07 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.00 | 330 | 434681  | 84.64 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.12 | 172 | 2844194 | 82.90 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.87 | 244 | 4327434 | 86.94 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.37  | 88  | 214528  | 40.22 | ng | # 100  |
| 3) Pyridine                    | 3.76  | 79  | 616276  | 40.88 | ng | # 79   |
| 4) n-Nitrosodimethylamine      | 3.68  | 42  | 333347  | 41.54 | ng | # 65   |
| 6) Aniline                     | 7.19  | 93  | 815724  | 41.50 | ng | # 90   |
| 8) 2-Chlorophenol              | 7.42  | 128 | 448780  | 41.73 | ng | # 80   |
| 9) Benzaldehyde                | 7.01  | 77  | 458621  | 40.28 | ng | # 83   |
| 10) Phenol                     | 7.05  | 94  | 663735  | 42.35 | ng | # 92   |
| 11) bis(2-Chloroethyl)ether    | 7.29  | 93  | 539524  | 42.00 | ng | # 81   |
| 12) 1,3-Dichlorobenzene        | 7.75  | 146 | 524259  | 40.71 | ng | # 88   |
| 13) 1,4-Dichlorobenzene        | 7.90  | 146 | 540061  | 40.59 | ng | # 94   |
| 14) 1,2-Dichlorobenzene        | 8.21  | 146 | 530026  | 41.02 | ng | # 93   |
| 15) Benzyl Alcohol             | 8.10  | 79  | 533151  | 42.16 | ng | # 89   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 921148  | 41.25 | ng | # 94   |
| 17) 2-Methylphenol             | 8.30  | 107 | 434921  | 42.41 | ng | # 86   |
| 18) Hexachloroethane           | 8.93  | 117 | 226306  | 41.58 | ng | # 90   |
| 19) n-Nitroso-di-n-propylamine | 8.67  | 70  | 497029  | 42.62 | ng | # 87   |
| 20) 3+4-Methylphenols          | 8.62  | 107 | 591190  | 42.40 | ng | # 90   |
| 22) Acetophenone               | 8.69  | 105 | 818157  | 40.82 | ng | # 91   |
| 24) Nitrobenzene               | 9.07  | 77  | 757797  | 40.81 | ng | # 90   |
| 25) Isophorone                 | 9.59  | 82  | 1203515 | 41.63 | ng | # 88   |
| 26) 2-Nitrophenol              | 9.77  | 139 | 238416  | 42.57 | ng | # 49   |
| 27) 2,4-Dimethylphenol         | 9.83  | 122 | 418823  | 40.88 | ng | # 80   |
| 28) bis(2-Chloroethoxy)methane | 10.07 | 93  | 728981  | 40.72 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 10.30 | 162 | 445038  | 41.56 | ng | # 91   |
| 30) 1,2,4-Trichlorobenzene     | 10.52 | 180 | 532824  | 40.10 | ng | # 99   |
| 31) Naphthalene                | 10.71 | 128 | 1534093 | 40.67 | ng | # 99   |
| 32) Benzoic acid               | 9.95  | 122 | 275556  | 39.55 | ng | # 68   |
| 33) 4-Chloroaniline            | 10.83 | 127 | 610451  | 41.96 | ng | # 81   |
| 34) Hexachlorobutadiene        | 10.98 | 225 | 367208  | 40.36 | ng | # 99   |
| 35) Caprolactam                | 11.62 | 113 | 133790  | 40.92 | ng | # 69   |
| 36) 4-Chloro-3-methylphenol    | 11.94 | 107 | 511131  | 42.18 | ng | # 79   |
| 37) 2-Methylnaphthalene        | 12.32 | 142 | 1068802 | 41.05 | ng | # 93   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216 | 642129  | 41.14 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.66 | 237 | 382153  | 42.66 | ng | # 94   |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.93 | 196  | 384501   | 43.09 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.00 | 196  | 426256   | 42.81 | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 13.33 | 154  | 1424866  | 41.41 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 13.38 | 162  | 1105541  | 41.37 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.59 | 65   | 430264   | 43.70 | nq    | # 72     |
| 48) Acenaphthylene             | 14.23 | 152  | 1825318  | 41.94 | nq    | 99       |
| 49) Dimethylphthalate          | 13.96 | 163  | 1300944  | 40.99 | nq    | # 98     |
| 50) 2,6-Dinitrotoluene         | 14.09 | 165  | 288014   | 42.11 | nq    | # 74     |
| 51) Acenaphthene               | 14.57 | 154  | 1071849  | 40.82 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.42 | 138  | 287007   | 42.59 | nq    | # 54     |
| 53) 2,4-Dinitrophenol          | 14.62 | 184  | 166182   | 39.03 | nq    | 97       |
| 54) Dibenzofuran               | 14.90 | 168  | 1584620  | 40.80 | nq    | 95       |
| 55) 4-Nitrophenol              | 14.72 | 139  | 227594   | 40.86 | nq    | # 26     |
| 56) 2,4-Dinitrotoluene         | 14.87 | 165  | 387331   | 41.86 | nq    | 96       |
| 57) Fluorene                   | 15.55 | 166  | 1448653  | 41.50 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 351301   | 41.71 | nq    | # 100    |
| 59) Diethylphthalate           | 15.32 | 149  | 1312646  | 40.77 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.55 | 204  | 744463   | 40.84 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.58 | 138  | 290158   | 39.64 | nq    | # 26     |
| 62) Azobenzene                 | 15.84 | 77   | 1601191  | 42.60 | nq    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 229783   | 39.73 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 15.76 | 169  | 1169788  | 41.95 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.44 | 248  | 457128   | 42.98 | nq    | # 92     |
| 67) Hexachlorobenzene          | 16.55 | 284  | 475849   | 40.82 | nq    | # 89     |
| 68) Atrazine                   | 16.71 | 200  | 434461   | 41.43 | nq    | 95       |
| 69) Pentachlorophenol          | 16.90 | 266  | 292084   | 41.01 | nq    | 99       |
| 70) Phenanthrene               | 17.29 | 178  | 2150856  | 40.97 | nq    | 99       |
| 71) Anthracene                 | 17.39 | 178  | 2206053  | 41.51 | nq    | 98       |
| 72) Carbazole                  | 17.66 | 167  | 2082668  | 40.92 | nq    | 100      |
| 73) Di-n-butylphthalate        | 18.21 | 149  | 2133165  | 41.03 | nq    | # 98     |
| 74) Fluoranthene               | 19.31 | 202  | 2454554  | 39.48 | nq    | 99       |
| 76) Benzidine                  | 19.50 | 184  | 1333009  | 43.00 | nq    | 99       |
| 77) Pyrene                     | 19.67 | 202  | 2600865  | 44.09 | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.56 | 149  | 930537   | 43.80 | nq    | # 71     |
| 80) Benzo(a)anthracene         | 21.41 | 228  | 2511158  | 41.34 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 961863   | 42.28 | nq    | 98       |
| 82) Chrysene                   | 21.46 | 228  | 2381133  | 41.05 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 1348827  | 42.55 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 22.22 | 149  | 2236470  | 42.39 | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.13 | 276  | 2497949  | 39.48 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.05 | 252  | 2424990  | 41.90 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 23.10 | 252  | 2285005  | 41.06 | nq    | # 97     |
| 89) Benzo(a)pyrene             | 23.65 | 252  | 2222895  | 41.48 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 26.14 | 278  | 2137994  | 40.72 | nq    | # 96     |
| 91) Benzo(g,h,i)perylene       | 26.86 | 276  | 2076202  | 40.57 | nq    | # 91     |

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

