

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\  
 Data File : BF094443.D  
 Acq On : 17 Apr 2017 12:16  
 Operator : SJ/MA  
 Sample : SSTDICC025  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC025

Quant Time: Apr 17 13:48:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 13:38:44 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.76  | 152  | 147125   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.26  | 136  | 589522   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.40  | 164  | 266457   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 468078   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.46 | 240  | 407055   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.09 | 264  | 368269   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 4.30  | 112 | 462197 | 53.06 | ng | 0.00 |
| 7) Phenol-d6             | 5.39  | 99  | 540219 | 50.13 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 6.41  | 82  | 487526 | 47.19 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.37 | 330 | 106979 | 50.81 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 8.59  | 172 | 943300 | 54.00 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.19 | 244 | 782463 | 43.09 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.07 | 88  | 129989 | 31.06 | ng | 95     |
| 3) Pyridine                    | 2.58 | 79  | 282180 | 24.74 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.54 | 42  | 115235 | 24.55 | ng | 88     |
| 6) Aniline                     | 5.38 | 93  | 352138 | 23.49 | ng | 94     |
| 8) 2-Chlorophenol              | 5.53 | 128 | 258715 | 27.02 | ng | 98     |
| 9) Benzaldehyde                | 5.26 | 77  | 204395 | 28.09 | ng | 98     |
| 10) Phenol                     | 5.40 | 94  | 333413 | 27.19 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 5.47 | 93  | 238101 | 24.85 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 5.69 | 146 | 286395 | 26.67 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 5.78 | 146 | 288873 | 26.56 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 5.95 | 146 | 270906 | 27.04 | ng | 98     |
| 15) Benzyl Alcohol             | 5.93 | 79  | 205272 | 26.03 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.09 | 45  | 318292 | 21.55 | ng | 62     |
| 17) 2-Methylphenol             | 6.09 | 107 | 205225 | 25.03 | ng | 94     |
| 18) Hexachloroethane           | 6.35 | 117 | 97823  | 25.59 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 6.25 | 70  | 180434 | 26.05 | ng | 98     |
| 20) 3+4-Methylphenols          | 6.27 | 107 | 281521 | 28.35 | ng | # 63   |
| 22) Acetophenone               | 6.23 | 105 | 367611 | 27.98 | ng | # 85   |
| 24) Nitrobenzene               | 6.43 | 77  | 260042 | 25.52 | ng | 93     |
| 25) Isophorone                 | 6.72 | 82  | 445495 | 24.54 | ng | 95     |
| 26) 2-Nitrophenol              | 6.81 | 139 | 139172 | 28.64 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 6.89 | 122 | 226041 | 27.00 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 6.99 | 93  | 291931 | 24.39 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.12 | 162 | 212736 | 27.18 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.20 | 180 | 216400 | 26.84 | ng | 97     |
| 31) Naphthalene                | 7.29 | 128 | 728681 | 25.71 | ng | 99     |
| 32) Benzoic acid               | 7.04 | 122 | 105664 | 18.96 | ng | 94     |
| 33) 4-Chloroaniline            | 7.36 | 127 | 308691 | 26.87 | ng | # 92   |
| 34) Hexachlorobutadiene        | 7.45 | 225 | 108300 | 26.20 | ng | 99     |
| 35) Caprolactam                | 7.79 | 113 | 67344  | 26.98 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 7.99 | 107 | 221383 | 27.07 | ng | 91     |
| 37) 2-Methylnaphthalene        | 8.13 | 142 | 502060 | 26.57 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.33 | 216 | 198055 | 27.17 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.33 | 237 | 75302  | 22.08 | ng | 96     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.49  | 196  | 138477   | 26.85 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.55  | 196  | 142911   | 25.61 | nq    | # 92     |
| 45) 1,1'-Biphenyl              | 8.70  | 154  | 570823   | 26.56 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 8.72  | 162  | 448257   | 26.64 | nq    | 95       |
| 47) 2-Nitroaniline             | 8.85  | 65   | 131177   | 26.28 | nq    | 90       |
| 48) Acenaphthylene             | 9.23  | 152  | 706583   | 25.27 | nq    | 98       |
| 49) Dimethylphthalate          | 9.09  | 163  | 506227   | 26.73 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.16  | 165  | 114045   | 26.27 | nq    | # 87     |
| 51) Acenaphthene               | 9.44  | 154  | 421231   | 25.82 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.36  | 138  | 135499   | 26.58 | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 9.50  | 184  | 49049    | 23.70 | nq    | # 70     |
| 54) Dibenzofuran               | 9.65  | 168  | 615069   | 27.69 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.62  | 139  | 88399    | 22.14 | nq    | # 71     |
| 56) 2,4-Dinitrotoluene         | 9.65  | 165  | 143295   | 26.27 | nq    | # 61     |
| 57) Fluorene                   | 10.07 | 166  | 484252   | 26.29 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.82  | 232  | 99286    | 25.93 | nq    | 98       |
| 59) Diethylphthalate           | 9.96  | 149  | 480591   | 25.67 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.08 | 204  | 208318   | 26.55 | nq    | 91       |
| 61) 4-Nitroaniline             | 10.11 | 138  | 137164   | 28.03 | nq    | 96       |
| 62) Azobenzene                 | 10.27 | 77   | 470242   | 26.55 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.16 | 198  | 77790    | 27.14 | nq    | # 69     |
| 65) n-Nitrosodiphenylamine     | 10.23 | 169  | 422292   | 26.09 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 121128   | 26.31 | nq    | 93       |
| 67) Hexachlorobenzene          | 10.75 | 284  | 120981   | 25.96 | nq    | # 93     |
| 68) Atrazine                   | 10.90 | 200  | 127937   | 26.39 | nq    | 95       |
| 69) Pentachlorophenol          | 11.00 | 266  | 44043    | 15.18 | nq    | 97       |
| 70) Phenanthrene               | 11.25 | 178  | 684095   | 26.27 | nq    | 99       |
| 71) Anthracene                 | 11.31 | 178  | 712283   | 26.57 | nq    | 99       |
| 72) Carbazole                  | 11.52 | 167  | 674666   | 24.54 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.97 | 149  | 741134   | 25.92 | nq    | 99       |
| 74) Fluoranthene               | 12.70 | 202  | 715806   | 26.85 | nq    | 98       |
| 76) Benzidine                  | 12.88 | 184  | 438017   | 27.19 | nq    | # 94     |
| 77) Pyrene                     | 12.98 | 202  | 726025   | 24.58 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.80 | 149  | 319288   | 25.37 | nq    | # 87     |
| 80) Benzo(a)anthracene         | 14.45 | 228  | 616802   | 25.99 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 14.43 | 252  | 225834   | 26.62 | nq    | # 96     |
| 82) Chrysene                   | 14.50 | 228  | 561055   | 25.47 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.52 | 149  | 432842   | 25.21 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 15.27 | 149  | 730495   | 25.46 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.35 | 276  | 540489   | 28.33 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 15.69 | 252  | 568007   | 25.16 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.72 | 252  | 550464   | 24.92 | nq    | # 95     |
| 89) Benzo(a)pyrene             | 16.03 | 252  | 541107   | 26.03 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.37 | 278  | 451591   | 25.65 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.73 | 276  | 455814   | 25.69 | nq    | 98       |

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

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