

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041918\  
 Data File : BG033863.D  
 Acq On : 19 Apr 2018 10:35  
 Operator : SJ/JU  
 Sample : SSTDICC025  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC025

Quant Time: Apr 19 13:10:48 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:09:28 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 44632    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.63 | 136  | 223992   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.47 | 164  | 158897   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.22 | 188  | 401598   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.49 | 240  | 404332   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.56 | 264  | 400219   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.44  | 112 | 139611 | 58.65 | ng | 0.00 |
| 7) Phenol-d6             | 7.00  | 99  | 205816 | 50.33 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.99  | 82  | 190040 | 38.98 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.96 | 330 | 93594  | 39.38 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.10 | 172 | 537313 | 48.82 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.86 | 244 | 929997 | 49.19 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 28828  | 23.849 | ng | 90     |
| 3) Pyridine                    | 3.80  | 79  | 85945  | 25.721 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.72  | 42  | 36418  | 26.558 | ng | # 82   |
| 6) Aniline                     | 7.17  | 93  | 137752 | 28.642 | ng | 97     |
| 8) 2-Chlorophenol              | 7.41  | 128 | 78253  | 28.758 | ng | 93     |
| 9) Benzaldehyde                | 6.98  | 77  | 61587  | 23.696 | ng | 98     |
| 10) Phenol                     | 7.03  | 94  | 105998 | 26.251 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.27  | 93  | 79279  | 24.055 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.73  | 146 | 90473  | 25.431 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.88  | 146 | 89086  | 25.004 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.19  | 146 | 87855  | 25.265 | ng | 93     |
| 15) Benzyl Alcohol             | 8.07  | 79  | 89829  | 27.898 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.38  | 45  | 154139 | 28.689 | ng | 98     |
| 17) 2-Methylphenol             | 8.27  | 107 | 77980  | 28.349 | ng | 98     |
| 18) Hexachloroethane           | 8.92  | 117 | 32721  | 23.795 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.64  | 70  | 88890  | 29.662 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.60  | 107 | 113188 | 28.901 | ng | 95     |
| 22) Acetophenone               | 8.65  | 105 | 148981 | 24.277 | ng | # 98   |
| 24) Nitrobenzene               | 9.03  | 77  | 104360 | 19.999 | ng | 98     |
| 25) Isophorone                 | 9.56  | 82  | 220320 | 23.284 | ng | 96     |
| 26) 2-Nitrophenol              | 9.74  | 139 | 38634  | 19.555 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.80  | 122 | 77605  | 27.040 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.04 | 93  | 116417 | 24.659 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.27 | 162 | 87178  | 24.699 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.48 | 180 | 97751  | 21.316 | ng | 99     |
| 31) Naphthalene                | 10.67 | 128 | 283981 | 24.466 | ng | 97     |
| 32) Benzoic acid               | 9.91  | 122 | 68831  | 25.799 | ng | # 83   |
| 33) 4-Chloroaniline            | 10.78 | 127 | 135473 | 26.051 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.97 | 225 | 58185  | 16.778 | ng | 96     |
| 35) Caprolactam                | 11.54 | 113 | 37851  | 27.374 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 11.90 | 107 | 106482 | 23.131 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.29 | 142 | 219844 | 24.402 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 127193 | 22.099 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.64 | 237 | 68856  | 20.407 | ng | 93     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.89 | 196  | 79271    | 23.705 | ng    | 90       |
| 43) 2,4,5-Trichlorophenol      | 12.96 | 196  | 92190    | 23.323 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.31 | 154  | 314472   | 25.760 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.35 | 162  | 238094   | 25.295 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.54 | 65   | 71925    | 20.401 | ng    | 98       |
| 48) Acenaphthylene             | 14.19 | 152  | 403679   | 25.693 | ng    | 99       |
| 49) Dimethylphthalate          | 13.94 | 163  | 349362   | 25.264 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.05 | 165  | 64009    | 22.638 | ng    | 97       |
| 51) Acenaphthene               | 14.54 | 154  | 254079   | 25.086 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.37 | 138  | 71402    | 24.087 | ng    | # 89     |
| 53) 2,4-Dinitrophenol          | 14.57 | 184  | 21125    | 17.884 | ng    | # 56     |
| 54) Dibenzofuran               | 14.87 | 168  | 379405   | 25.360 | ng    | 95       |
| 55) 4-Nitrophenol              | 14.67 | 139  | 55772    | 26.756 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 14.83 | 165  | 83303    | 20.009 | ng    | 95       |
| 57) Fluorene                   | 15.53 | 166  | 325288   | 25.522 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.10 | 232  | 87314    | 23.464 | ng    | 99       |
| 59) Diethylphthalate           | 15.31 | 149  | 370656   | 27.604 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.53 | 204  | 169426   | 23.124 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.54 | 138  | 76690    | 25.547 | ng    | 93       |
| 62) Azobenzene                 | 15.82 | 77   | 329950   | 25.367 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 37444    | 15.586 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 15.74 | 169  | 287352   | 25.063 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.43 | 248  | 107076   | 22.703 | ng    | 92       |
| 67) Hexachlorobenzene          | 16.53 | 284  | 114490   | 23.001 | ng    | # 73     |
| 68) Atrazine                   | 16.70 | 200  | 118560   | 25.519 | ng    | 99       |
| 69) Pentachlorophenol          | 16.87 | 266  | 79775    | 23.351 | ng    | 93       |
| 70) Phenanthrene               | 17.27 | 178  | 537619   | 25.705 | ng    | 98       |
| 71) Anthracene                 | 17.36 | 178  | 538183   | 25.413 | ng    | 98       |
| 72) Carbazole                  | 17.63 | 167  | 518585   | 27.634 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.22 | 149  | 654976   | 29.986 | ng    | 99       |
| 74) Fluoranthene               | 19.29 | 202  | 650922   | 25.149 | ng    | 98       |
| 76) Benzidine                  | 19.47 | 184  | 285711   | 26.057 | ng    | 99       |
| 77) Pyrene                     | 19.65 | 202  | 672083   | 24.923 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.57 | 149  | 287424   | 28.883 | ng    | 95       |
| 80) Benzo(a)anthracene         | 21.47 | 228  | 634212   | 24.633 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.40 | 252  | 237661   | 25.941 | ng    | 99       |
| 82) Chrysene                   | 21.53 | 228  | 602758   | 24.185 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.43 | 149  | 409978   | 29.886 | ng    | 95       |
| 84) Di-n-octyl phthalate       | 22.61 | 149  | 657421   | 31.300 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.03 | 276  | 675835   | 25.081 | ng    | # 94     |
| 87) Benzo(b)fluoranthene       | 23.59 | 252  | 614589   | 26.580 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 23.66 | 252  | 610026   | 26.085 | ng    | 98       |
| 89) Benzo(a)pyrene             | 24.42 | 252  | 581638   | 26.194 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.12 | 278  | 559316   | 26.740 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 29.12 | 276  | 551716   | 26.637 | ng    | 100      |

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

