

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\  
 Data File : BG033680.D  
 Acq On : 9 Apr 2018 14:45  
 Operator : SJ/JU  
 Sample : J2227-01MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1MS

Quant Time: Apr 10 05:55:51 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 05 17:36:07 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.86  | 152  | 65       | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.54 | 136  | 53       | 20.00 | ng    | -0.21    |
| 38) Acenaphthene-d10      | 14.90 | 164  | 58120    | 20.00 | ng    | -0.58    |
| 63) Phenanthrene-d10      | 17.51 | 188  | 1914     | 20.00 | ng    | -0.70    |
| 75) Chrysene-d12          | 21.68 | 240  | 54       | 20.00 | ng    | -0.88    |
| 86) Perylene-d12          | 25.17 | 264  | 67       | 20.00 | ng    | -1.15    |

## System Monitoring Compounds

|                          |       |     |        |           |    |       |
|--------------------------|-------|-----|--------|-----------|----|-------|
| 5) 2-Fluorophenol        | 6.28  | 112 | 433816 | 125147.26 | ng | 0.00  |
| 7) Phenol-d6             | 7.98  | 99  | 648682 | 108911.20 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 10.06 | 82  | 407308 | 353082.76 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 0.00  | 330 | 0      | 0.00      | ng |       |
| 44) 2-Fluorobiphenyl     | 0.00  | 172 | 0      | 0.00      | ng |       |
| 78) Terphenyl-d14        | 19.56 | 244 | 56     | 22.18     | ng | -1.17 |

## Target Compounds

|                                |       |     |        |            |    | Qvalue |
|--------------------------------|-------|-----|--------|------------|----|--------|
| 2) 1,4-Dioxane                 | 3.92  | 88  | 49945  | 28371.552  | ng | 90     |
| 3) Pyridine                    | 4.38  | 79  | 137371 | 28228.774  | ng | 96     |
| 4) n-Nitrosodimethylamine      | 4.29  | 42  | 75441  | 37776.131  | ng | # 79   |
| 6) Aniline                     | 8.15  | 93  | 89431  | 12768.062  | ng | # 90   |
| 8) 2-Chlorophenol              | 8.41  | 128 | 132810 | 33513.392  | ng | 92     |
| 9) Benzaldehyde                | 7.96  | 77  | 46954  | 12404.903  | ng | 96     |
| 10) Phenol                     | 8.00  | 94  | 207134 | 35223.907  | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 8.24  | 93  | 133770 | 27869.629  | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 8.74  | 146 | 139345 | 26895.145  | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.89  | 146 | 136470 | 26301.150  | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 9.22  | 146 | 142359 | 28110.833  | ng | 98     |
| 15) Benzyl Alcohol             | 9.09  | 79  | 145093 | 30940.584  | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.38  | 45  | 242887 | 31040.847  | ng | 92     |
| 17) 2-Methylphenol             | 9.30  | 107 | 119950 | 29942.886  | ng | # 93   |
| 18) Hexachloroethane           | 9.97  | 117 | 55991  | 27958.828  | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 9.66  | 70  | 122168 | 27992.082  | ng | 96     |
| 20) 3+4-Methylphenols          | 9.63  | 107 | 168246 | 29497.656  | ng | 91     |
| 22) Acetophenone               | 9.70  | 105 | 218913 | 150764.470 | ng | # 98   |
| 24) Nitrobenzene               | 10.10 | 77  | 189091 | 153141.702 | ng | 92     |
| 25) Isophorone                 | 10.62 | 82  | 350512 | 156554.112 | ng | 99     |
| 26) 2-Nitrophenol              | 10.61 | 139 | 5360   | 11465.998  | ng | # 65   |
| 27) 2,4-Dimethylphenol         | 10.86 | 122 | 126245 | 185901.859 | ng | 82     |
| 28) bis(2-Chloroethoxy)methane | 11.10 | 93  | 180587 | 161656.659 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 11.37 | 162 | 134490 | 161036.588 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 11.59 | 180 | 146776 | 135269.539 | ng | 96     |
| 31) Naphthalene                | 11.79 | 128 | 405280 | 147563.798 | ng | 99     |
| 32) Benzoic acid               | 10.86 | 122 | 126245 | 199979.471 | ng | # 14   |
| 33) 4-Chloroaniline            | 11.90 | 127 | 64821  | 52679.332  | ng | 92     |
| 34) Hexachlorobutadiene        | 12.05 | 225 | 108162 | 131816.316 | ng | 96     |
| 35) Caprolactam                | 12.63 | 113 | 52615  | 160812.621 | ng | # 86   |
| 36) 4-Chloro-3-methylphenol    | 12.96 | 107 | 176438 | 161980.474 | ng | 97     |
| 37) 2-Methylnaphthalene        | 13.35 | 142 | 309481 | 145178.407 | ng | 95     |
| 43) 2,4,5-Trichlorophenol      | 13.93 | 196 | 120620 | 83.429     | ng | # 89   |
| 46) 2-Chloronaphthalene        | 13.92 | 162 | 11839  | 3.439      | ng | # 63   |

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|--------------------------------|-------|------|----------|------------|-------|----------|----|
| 48) Acenaphthylene             | 14.32 | 152  | 120268   | 20.928     | ng    | #        | 1  |
| 49) Dimethylphthalate          | 14.38 | 163  | 37972    | 7.507      | ng    | #        | 1  |
| 50) 2,6-Dinitrotoluene         | 14.38 | 165  | 11431    | 11.053     | ng    | #        | 1  |
| 52) 3-Nitroaniline             | 14.57 | 138  | 114474   | 105.576    | ng    | #        | 54 |
| 53) 2,4-Dinitrophenol          | 14.65 | 184  | 54       | 7.734      | ng    | #        | 42 |
| 54) Dibenzofuran               | 15.14 | 168  | 47558    | 8.691      | ng    | #        | 52 |
| 55) 4-Nitrophenol              | 15.37 | 139  | 4267     | 5.597      | ng    | #        | 1  |
| 56) 2,4-Dinitrotoluene         | 15.03 | 165  | 100802   | 66.196     | ng    | #        | 79 |
| 61) 4-Nitroaniline             | 15.87 | 138  | 11081    | 10.092     | ng    | #        | 21 |
| 62) Azobenzene                 | 16.24 | 77   | 26493    | 5.568      | ng    | #        | 1  |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198  | 7870     | 687.331    | ng    | #        | 37 |
| 65) n-Nitrosodiphenylamine     | 16.08 | 169  | 11933    | 218.385    | ng    | #        | 1  |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 21265    | 946.028    | ng    | #        | 1  |
| 68) Atrazine                   | 16.57 | 200  | 1041     | 47.015     | ng    | #        | 35 |
| 70) Phenanthrene               | 17.51 | 178  | 1635     | 16.402     | ng    | #        | 1  |
| 71) Anthracene                 | 17.61 | 178  | 543      | 5.380      | ng    | #        | 1  |
| 72) Carbazole                  | 17.85 | 167  | 85812    | 959.458    | ng    | #        | 72 |
| 73) Di-n-butylphthalate        | 18.34 | 149  | 7365     | 70.748     | ng    | #        | 1  |
| 76) Benzidine                  | 19.49 | 184  | 184      | 125.649    | ng    | #        | 1  |
| 77) Pyrene                     | 20.20 | 202  | 914127   | 253818.860 | ng    |          | 99 |
| 79) Butylbenzylphthalate       | 20.56 | 149  | 7858     | 5912.593   | ng    | #        | 25 |
| 80) Benzo(a)anthracene         | 21.64 | 228  | 60       | 17.450     | ng    | #        | 50 |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 83       | 67.834     | ng    | #        | 91 |
| 82) Chrysene                   | 21.74 | 228  | 54       | 16.224     | ng    | #        | 1  |
| 83) Bis(2-ethylhexyl)phthalate | 21.41 | 149  | 378476   | 206583.534 | ng    | #        | 51 |
| 84) Di-n-octyl phthalate       | 22.35 | 149  | 519830   | 185314.810 | ng    | #        | 73 |
| 85) Indeno(1,2,3-cd)pyrene     | 29.60 | 276  | 63       | 17.506     | ng    | #        | 53 |
| 87) Benzo(b)fluoranthene       | 24.03 | 252  | 54       | 13.950     | ng    | #        | 59 |
| 88) Benzo(k)fluoranthene       | 24.06 | 252  | 73       | 18.646     | ng    | #        | 60 |
| 89) Benzo(a)pyrene             | 25.11 | 252  | 871084   | 234329.162 | ng    | #        | 97 |
| 90) Dibenzo(a,h)anthracene     | 28.97 | 278  | 54       | 15.422     | ng    | #        | 1  |
| 91) Benzo(g,h,i)perylene       | 30.69 | 276  | 1011328  | 291666.416 | ng    | #        | 96 |

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

