

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\  
 Data File : BG037311.D  
 Acq On : 13 Oct 2018 4:48  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Oct 13 05:24:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 63313    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.94 | 136  | 296115   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.75 | 164  | 196330   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.50 | 188  | 464038   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.79 | 240  | 420295   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.13 | 264  | 450755   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.65  | 112  | 302602   | 84.11 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 448740   | 82.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 408546   | 90.71 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.24 | 330  | 170658   | 88.63 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.38 | 172  | 1001048  | 76.57 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.10 | 244  | 1517630  | 75.82 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88   | 76907    | 38.064 | ng    | 99     |
| 3) Pyridine                    | 3.94  | 79   | 197946   | 41.263 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42   | 71586    | 38.426 | ng    | # 91   |
| 6) Aniline                     | 7.44  | 93   | 277876   | 38.875 | ng    | 97     |
| 8) 2-Chlorophenol              | 7.68  | 128  | 172993   | 41.087 | ng    | 98     |
| 9) Benzaldehyde                | 7.26  | 77   | 146063   | 38.852 | ng    | 92     |
| 10) Phenol                     | 7.28  | 94   | 238577   | 41.485 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.54  | 93   | 182974   | 38.945 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 8.01  | 146  | 196698   | 39.739 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146  | 197791   | 39.469 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 8.48  | 146  | 189439   | 39.011 | ng    | 99     |
| 15) Benzyl Alcohol             | 8.35  | 79   | 175159   | 41.009 | ng    | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45   | 339849   | 36.590 | ng    | 96     |
| 17) 2-Methylphenol             | 8.55  | 107  | 158040   | 41.032 | ng    | 99     |
| 18) Hexachloroethane           | 9.20  | 117  | 67048    | 39.200 | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70   | 162268   | 39.251 | ng    | 93     |
| 20) 3+4-Methylphenols          | 8.88  | 107  | 225304   | 41.835 | ng    | 97     |
| 22) Acetophenone               | 8.95  | 105  | 288914   | 38.705 | ng    | # 99   |
| 24) Nitrobenzene               | 9.34  | 77   | 212862   | 44.124 | ng    | 96     |
| 25) Isophorone                 | 9.86  | 82   | 399591   | 38.863 | ng    | 99     |
| 26) 2-Nitrophenol              | 10.05 | 139  | 88704    | 49.118 | ng    | 98     |
| 27) 2,4-Dimethylphenol         | 10.09 | 122  | 172441   | 40.124 | ng    | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93   | 250299   | 38.910 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162  | 190439   | 43.653 | ng    | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.80 | 180  | 204443   | 38.511 | ng    | 98     |
| 31) Naphthalene                | 10.99 | 128  | 560603   | 38.955 | ng    | 100    |
| 32) Benzoic acid               | 10.22 | 122  | 121761   | 51.310 | ng    | 99     |
| 33) 4-Chloroaniline            | 11.10 | 127  | 268336   | 39.749 | ng    | 98     |
| 34) Hexachlorobutadiene        | 11.26 | 225  | 125438   | 38.050 | ng    | 98     |
| 35) Caprolactam                | 11.89 | 113  | 80618    | 45.329 | ng    | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107  | 221925   | 43.073 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 12.59 | 142  | 415719   | 39.584 | ng    | 100    |
| 38) 1-Methylnaphthalene        | 12.81 | 142  | 401482   | 39.141 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216  | 245589   | 38.627 | ng    | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.92 | 237  | 112948   | 43.092 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.18 | 196  | 167337   | 45.369 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.25 | 196  | 176844   | 44.563 | ng    | 94       |
| 46) 1,1'-Biphenyl              | 13.59 | 154  | 623262   | 38.591 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.63 | 162  | 475485   | 38.977 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.84 | 65   | 145093   | 44.389 | ng    | 90       |
| 49) Acenaphthylene             | 14.48 | 152  | 730129   | 39.124 | ng    | 100      |
| 50) Dimethylphthalate          | 14.20 | 163  | 606248   | 39.293 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.33 | 165  | 130240   | 43.912 | ng    | 98       |
| 52) Acenaphthene               | 14.82 | 154  | 455534   | 39.518 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.66 | 138  | 147665   | 45.743 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 14.86 | 184  | 30176    | 39.086 | ng    | 95       |
| 55) Dibenzofuran               | 15.15 | 168  | 719817   | 38.484 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 110131   | 43.766 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.11 | 165  | 173324   | 45.950 | ng    | 98       |
| 58) Fluorene                   | 15.80 | 166  | 544971   | 38.525 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 154647   | 44.015 | ng    | 100      |
| 60) Diethylphthalate           | 15.56 | 149  | 622838   | 38.952 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.79 | 204  | 316713   | 38.303 | ng    | 100      |
| 62) 4-Nitroaniline             | 15.83 | 138  | 149378   | 44.087 | ng    | 92       |
| 63) Azobenzene                 | 16.08 | 77   | 582716   | 38.010 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.87 | 198  | 67191    | 46.475 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 16.00 | 169  | 546304   | 40.089 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.68 | 248  | 196656   | 39.267 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.79 | 284  | 202977   | 39.090 | ng    | 98       |
| 69) Atrazine                   | 16.94 | 200  | 203560   | 40.190 | ng    | 98       |
| 70) Pentachlorophenol          | 17.14 | 266  | 140848   | 42.043 | ng    | 97       |
| 71) Phenanthrene               | 17.54 | 178  | 907512   | 38.419 | ng    | 98       |
| 72) Anthracene                 | 17.63 | 178  | 902450   | 39.032 | ng    | 98       |
| 73) Carbazole                  | 17.90 | 167  | 921739   | 38.693 | ng    | 98       |
| 74) Di-n-butylphthalate        | 18.45 | 149  | 1049912  | 41.120 | ng    | 100      |
| 75) Fluoranthene               | 19.55 | 202  | 1050331  | 38.044 | ng    | 99       |
| 77) Benzidine                  | 19.73 | 184  | 648392   | 40.326 | ng    | 97       |
| 78) Pyrene                     | 19.91 | 202  | 1073372  | 39.185 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.79 | 149  | 466862   | 43.806 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.77 | 228  | 979021   | 38.894 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.68 | 252  | 397077   | 40.893 | ng    | 100      |
| 83) Chrysene                   | 21.84 | 228  | 939650   | 39.133 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149  | 657233   | 42.946 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.91 | 149  | 1086163  | 43.728 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.98 | 276  | 1079444  | 40.558 | ng    | # 90     |
| 88) Benzo(b)fluoranthene       | 24.06 | 252  | 968617   | 39.525 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.13 | 252  | 939473   | 38.850 | ng    | 97       |
| 90) Benzo(a)pyrene             | 24.97 | 252  | 928265   | 39.502 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 29.06 | 278  | 883628   | 39.299 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.18 | 276  | 883953   | 39.363 | ng    | 100      |

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

