

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101718\  
 Data File : BG037392.D  
 Acq On : 17 Oct 2018 16:13  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDC0040

Quant Time: Oct 18 11:41:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 15:19:35 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 59841    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.93 | 136  | 273154   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.75 | 164  | 178960   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.49 | 188  | 421627   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.78 | 240  | 381246   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.12 | 264  | 397664   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 284377  | 83.63 | ng | 0.00  |
| 7) Phenol-d6             | 7.25  | 99  | 427319  | 82.80 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.29  | 82  | 387916  | 93.37 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 154696  | 88.14 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 13.37 | 172 | 918578  | 77.08 | ng | -0.01 |
| 79) Terphenyl-d14        | 20.09 | 244 | 1391549 | 76.64 | ng | -0.01 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 72576  | 38.004 | ng | 96     |
| 3) Pyridine                    | 3.94  | 79  | 181569 | 40.045 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 66364  | 37.690 | ng | # 87   |
| 6) Aniline                     | 7.44  | 93  | 258940 | 38.327 | ng | 97     |
| 8) 2-Chlorophenol              | 7.67  | 128 | 162530 | 40.842 | ng | 99     |
| 9) Benzaldehyde                | 7.25  | 77  | 133127 | 37.466 | ng | 98     |
| 10) Phenol                     | 7.28  | 94  | 222064 | 40.854 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 172324 | 38.806 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.00  | 146 | 181915 | 38.885 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 185244 | 39.110 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 176579 | 38.473 | ng | 99     |
| 15) Benzyl Alcohol             | 8.35  | 79  | 159863 | 39.600 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 305177 | 34.763 | ng | 98     |
| 17) 2-Methylphenol             | 8.54  | 107 | 146351 | 40.202 | ng | 97     |
| 18) Hexachloroethane           | 9.20  | 117 | 64393  | 39.832 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 144657 | 37.021 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.87  | 107 | 210381 | 41.331 | ng | 98     |
| 22) Acetophenone               | 8.94  | 105 | 267332 | 38.824 | ng | 97     |
| 24) Nitrobenzene               | 9.33  | 77  | 200899 | 45.145 | ng | 96     |
| 25) Isophorone                 | 9.85  | 82  | 357699 | 37.713 | ng | 97     |
| 26) 2-Nitrophenol              | 10.04 | 139 | 93627  | 54.412 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 10.08 | 122 | 158248 | 39.917 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 230835 | 38.900 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 178365 | 44.322 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 190707 | 38.943 | ng | 98     |
| 31) Naphthalene                | 10.99 | 128 | 520274 | 39.192 | ng | 100    |
| 32) Benzoic acid               | 10.20 | 122 | 111242 | 50.817 | ng | 98     |
| 33) 4-Chloroaniline            | 11.09 | 127 | 247064 | 39.674 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.25 | 225 | 114053 | 37.505 | ng | 98     |
| 35) Caprolactam                | 11.88 | 113 | 74076  | 45.152 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.19 | 107 | 199973 | 42.075 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 380822 | 39.309 | ng | 100    |
| 38) 1-Methylnaphthalene        | 12.80 | 142 | 370062 | 39.111 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 226578 | 39.096 | ng | 98     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.91 | 237  | 110458   | 46.232 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.18 | 196  | 155975   | 46.393 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.25 | 196  | 166989   | 46.163 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.58 | 154  | 572045   | 38.858 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.63 | 162  | 433644   | 38.997 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.84 | 65   | 134821   | 45.138 | ng    | 92       |
| 49) Acenaphthylene             | 14.47 | 152  | 661450   | 38.884 | ng    | 99       |
| 50) Dimethylphthalate          | 14.19 | 163  | 548344   | 38.989 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 124525   | 45.825 | ng    | 94       |
| 52) Acenaphthene               | 14.81 | 154  | 403496   | 38.401 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 138680   | 47.129 | ng    | # 94     |
| 54) 2,4-Dinitrophenol          | 14.85 | 184  | 31932    | 45.375 | ng    | 93       |
| 55) Dibenzofuran               | 15.14 | 168  | 653767   | 38.345 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 99578    | 43.414 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 167510   | 48.398 | ng    | 96       |
| 58) Fluorene                   | 15.79 | 166  | 495254   | 38.408 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 139915   | 43.688 | ng    | 98       |
| 60) Diethylphthalate           | 15.55 | 149  | 559031   | 38.355 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.78 | 204  | 288865   | 38.326 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.82 | 138  | 138379   | 44.804 | ng    | 91       |
| 63) Azobenzene                 | 16.07 | 77   | 529157   | 37.867 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 67520    | 50.771 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 16.00 | 169  | 493085   | 39.823 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.67 | 248  | 181497   | 39.886 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.78 | 284  | 182421   | 38.665 | ng    | 98       |
| 69) Atrazine                   | 16.94 | 200  | 184649   | 40.124 | ng    | 98       |
| 70) Pentachlorophenol          | 17.13 | 266  | 125266   | 41.153 | ng    | 96       |
| 71) Phenanthrene               | 17.54 | 178  | 824347   | 38.409 | ng    | 100      |
| 72) Anthracene                 | 17.62 | 178  | 817029   | 38.892 | ng    | 99       |
| 73) Carbazole                  | 17.90 | 167  | 838996   | 38.762 | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.44 | 149  | 949326   | 40.921 | ng    | 100      |
| 75) Fluoranthene               | 19.53 | 202  | 953860   | 38.025 | ng    | 98       |
| 77) Benzidine                  | 19.72 | 184  | 561925   | 38.528 | ng    | 99       |
| 78) Pyrene                     | 19.90 | 202  | 977033   | 39.321 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.77 | 149  | 424227   | 43.882 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.76 | 228  | 889797   | 38.970 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.67 | 252  | 352161   | 39.982 | ng    | 97       |
| 83) Chrysene                   | 21.83 | 228  | 845290   | 38.809 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 588537   | 42.396 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.89 | 149  | 973943   | 43.226 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.95 | 276  | 934990   | 38.729 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 24.05 | 252  | 847264   | 39.189 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.12 | 252  | 857235   | 40.182 | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.96 | 252  | 824673   | 39.779 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 29.03 | 278  | 759663   | 38.296 | ng    | 96       |
| 92) Benzo(g,h,i)perylene       | 30.17 | 276  | 765058   | 38.617 | ng    | 99       |

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

