

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092018\  
 Data File : BG036850.D  
 Acq On : 20 Sep 2018 19:24  
 Operator : JU/SJ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Sohil  
 9/21/2018 10:49:06 AM

Quant Time: Sep 20 19:59:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 20 18:05:43 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 43346    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.86 | 136  | 206300   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.68 | 164  | 140522   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.42 | 188  | 344728   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.69 | 240  | 326679   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.90 | 264  | 342789   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 364518  | 133.40 | ng | 0.00 |
| 7) Phenol-d6             | 7.22  | 99  | 568880  | 145.41 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.22  | 82  | 606352  | 159.47 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 274065  | 163.45 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.30 | 172 | 1363512 | 138.54 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.03 | 244 | 1696145 | 121.36 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 77519   | 60.788 | ng | 99     |
| 3) Pyridine                    | 3.93  | 79  | 248279  | 69.361 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 104454  | 65.516 | ng | 98     |
| 6) Aniline                     | 7.38  | 93  | 362101  | 72.917 | ng | 99     |
| 8) 2-Chlorophenol              | 7.61  | 128 | 209724  | 70.775 | ng | 96     |
| 9) Benzaldehyde                | 7.19  | 77  | 145744  | 54.097 | ng | 96     |
| 10) Phenol                     | 7.24  | 94  | 297843  | 72.748 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.47  | 93  | 248210  | 76.471 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 242153  | 71.566 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.08  | 146 | 247856  | 72.553 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146 | 240985  | 73.865 | ng | 96     |
| 15) Benzyl Alcohol             | 8.29  | 79  | 233011  | 73.881 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 475371  | 72.623 | ng | 97     |
| 17) 2-Methylphenol             | 8.49  | 107 | 200302  | 73.680 | ng | 94     |
| 18) Hexachloroethane           | 9.13  | 117 | 90697   | 74.049 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 222934  | 76.245 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 291639  | 76.839 | ng | 99     |
| 22) Acetophenone               | 8.87  | 105 | 384341  | 70.947 | ng | # 97   |
| 24) Nitrobenzene               | 9.26  | 77  | 318317  | 77.636 | ng | 96     |
| 25) Isophorone                 | 9.78  | 82  | 560209  | 74.166 | ng | 97     |
| 26) 2-Nitrophenol              | 9.97  | 139 | 141706  | 87.218 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.02 | 122 | 209885  | 69.775 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 336822  | 72.658 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 253680  | 76.951 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.72 | 180 | 287446  | 74.535 | ng | 100    |
| 31) Naphthalene                | 10.91 | 128 | 744004  | 72.144 | ng | 99     |
| 32) Benzoic acid               | 10.21 | 122 | 166355m | 79.963 | ng |        |
| 33) 4-Chloroaniline            | 11.02 | 127 | 352974  | 74.692 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.19 | 225 | 201210  | 77.653 | ng | 97     |
| 35) Caprolactam                | 11.81 | 113 | 99127   | 75.482 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 296710  | 77.459 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.51 | 142 | 571053  | 75.678 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 381796  | 76.775 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.85 | 237 | 217114  | 83.912 | ng | 99     |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.11 | 196  | 228074   | 75.291  | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.18 | 196  | 247508   | 76.604  | nq    | 99       |
| 45) 1,1'-Biphenyl              | 13.51 | 154  | 809253   | 69.378  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.56 | 162  | 640353   | 71.911  | nq    | 99       |
| 47) 2-Nitroaniline             | 13.76 | 65   | 234364   | 83.813  | nq    | 98       |
| 48) Acenaphthylene             | 14.40 | 152  | 986364   | 70.876  | nq    | 99       |
| 49) Dimethylphthalate          | 14.14 | 163  | 831975   | 72.507  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.25 | 165  | 193805   | 82.082  | nq    | 94       |
| 51) Acenaphthene               | 14.74 | 154  | 601674   | 67.506  | nq    | 99       |
| 52) 3-Nitroaniline             | 14.59 | 138  | 201756   | 79.294  | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 14.79 | 184  | 94388    | 105.539 | nq    | 97       |
| 54) Dibenzofuran               | 15.08 | 168  | 996482   | 71.363  | nq    | 99       |
| 55) 4-Nitrophenol              | 14.89 | 139  | 142390   | 68.444  | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 15.04 | 165  | 268385   | 87.216  | nq    | 91       |
| 57) Fluorene                   | 15.72 | 166  | 740250   | 70.914  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 240819   | 79.329  | nq    | 95       |
| 59) Diethylphthalate           | 15.49 | 149  | 827417   | 71.552  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 480788   | 74.589  | nq    | 98       |
| 61) 4-Nitroaniline             | 15.76 | 138  | 209212   | 78.576  | nq    | 96       |
| 62) Azobenzene                 | 16.01 | 77   | 809573   | 68.807  | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 162416   | 107.253 | nq    | 98       |
| 65) n-Nitrosodiphenylamine     | 15.93 | 169  | 730278   | 71.295  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.61 | 248  | 312830   | 77.509  | nq    | 99       |
| 67) Hexachlorobenzene          | 16.73 | 284  | 316400   | 76.666  | nq    | 99       |
| 68) Atrazine                   | 16.88 | 200  | 278642   | 72.474  | nq    | 98       |
| 69) Pentachlorophenol          | 17.07 | 266  | 221060   | 78.813  | nq    | 98       |
| 70) Phenanthrene               | 17.47 | 178  | 1217822  | 69.524  | nq    | 97       |
| 71) Anthracene                 | 17.56 | 178  | 1210308  | 69.315  | nq    | 98       |
| 72) Carbazole                  | 17.83 | 167  | 1172700  | 67.249  | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.38 | 149  | 1280618  | 65.948  | nq    | 98       |
| 74) Fluoranthene               | 19.47 | 202  | 1406348  | 65.851  | nq    | 97       |
| 76) Benzidine                  | 19.65 | 184  | 639087   | 61.318  | nq    | 98       |
| 77) Pyrene                     | 19.84 | 202  | 1419119  | 70.642  | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.72 | 149  | 594692   | 74.385  | nq    | 94       |
| 80) Benzo(a)anthracene         | 21.67 | 228  | 1378447  | 69.651  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 548314   | 69.518  | nq    | 97       |
| 82) Chrysene                   | 21.74 | 228  | 1330899  | 70.947  | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 808605   | 72.277  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 22.78 | 149  | 1346593  | 72.062  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.58 | 276  | 1580740  | 72.550  | nq    | # 95     |
| 87) Benzo(b)fluoranthene       | 23.88 | 252  | 1359892  | 71.441  | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 23.96 | 252  | 1366882  | 73.502  | nq    | 97       |
| 89) Benzo(a)pyrene             | 24.76 | 252  | 1328771  | 72.644  | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.64 | 278  | 1280464  | 72.513  | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 29.72 | 276  | 1298739  | 73.188  | nq    | 97       |

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

