

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121720\  
 Data File : BG047763.D  
 Acq On : 17 Dec 2020 12:31  
 Operator : CG/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

mohammad  
 12/18/2020 10:29:05 AM

Quant Time: Dec 17 13:20:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 13:16:53 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.203  | 152  | 35452    | 20.00 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.029 | 136  | 122018   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.825 | 164  | 88518    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.563 | 188  | 232702   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.834 | 240  | 231462   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.183 | 264  | 254175   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.730  | 112  | 137548   | 62.89 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.345  | 99   | 206670   | 65.28 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.372  | 82   | 234230   | 82.38 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.305 | 330  | 111784   | 75.41 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.450 | 172  | 500761   | 72.56 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.148 | 244  | 977330   | 74.25 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.562  | 88   | 27617    | 25.50 | ng    | # 82     |
| 3) Pyridine                   | 3.979  | 79   | 79554    | 27.46 | ng    | # 84     |
| 4) n-Nitrosodimethylamine     | 3.885  | 42   | 62615    | 43.10 | ng    | # 36     |
| 6) Aniline                    | 7.522  | 93   | 110649   | 29.61 | ng    | # 84     |
| 8) 2-Chlorophenol             | 7.763  | 128  | 71276    | 30.69 | ng    | 91       |
| 9) Benzaldehyde               | 7.328  | 77   | 62349    | 29.27 | ng    | 84       |
| 10) Phenol                    | 7.369  | 94   | 94393    | 31.43 | ng    | # 58     |
| 11) bis(2-Chloroethyl)ether   | 7.610  | 93   | 64142    | 26.92 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 8.092  | 146  | 95807    | 31.70 | ng    | # 81     |
| 13) 1,4-Dichlorobenzene       | 8.238  | 146  | 93971    | 30.96 | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.562  | 146  | 87874m   | 30.53 | ng    |          |
| 15) Benzyl Alcohol            | 8.438  | 79   | 93038    | 38.24 | ng    | # 79     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.726  | 45   | 63476    | 17.26 | ng    | 81       |
| 17) 2-Methylphenol            | 8.638  | 107  | 63795    | 31.39 | ng    | # 83     |
| 18) Hexachloroethane          | 9.302  | 117  | 38252    | 34.42 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.008  | 70   | 70372    | 33.83 | ng    | # 88     |
| 20) 3+4-Methylphenols         | 8.967  | 107  | 88377    | 32.46 | ng    | 81       |
| 22) Acetophenone              | 9.026  | 105  | 122714   | 34.88 | ng    | # 82     |
| 24) Nitrobenzene              | 9.419  | 77   | 109806   | 37.95 | ng    | # 83     |
| 25) Isophorone                | 9.936  | 82   | 175130   | 35.95 | ng    | # 93     |
| 26) 2-Nitrophenol             | 10.130 | 139  | 44269    | 35.48 | ng    | # 41     |
| 27) 2,4-Dimethylphenol        | 10.177 | 122  | 61262    | 36.57 | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 10.418 | 93   | 86943    | 29.49 | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.671 | 162  | 81106    | 35.03 | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.888 | 180  | 108861   | 38.15 | ng    | 91       |
| 31) Naphthalene               | 11.082 | 128  | 239177   | 34.23 | ng    | 98       |
| 32) Benzoic acid              | 10.301 | 122  | 18068    | 15.49 | ng    | # 78     |
| 33) 4-Chloroaniline           | 11.176 | 127  | 103360   | 35.17 | ng    | # 90     |
| 34) Hexachlorobutadiene       | 11.358 | 225  | 92268    | 42.73 | ng    | 95       |
| 35) Caprolactam               | 11.946 | 113  | 25277    | 33.41 | ng    | # 84     |
| 36) 4-Chloro-3-methylphenol   | 12.281 | 107  | 90620    | 38.41 | ng    | 91       |
| 37) 2-Methylnaphthalene       | 12.669 | 142  | 182990   | 34.85 | ng    | # 85     |
| 38) 1-Methylnaphthalene       | 12.886 | 142  | 173001   | 34.68 | ng    | # 95     |
| 40) 1,2,4,5-Tetrachloroben... | 13.033 | 216  | 131082   | 37.50 | ng    | # 94     |
| 41) Hexachlorocyclopentadiene | 13.009 | 237  | 78384    | 43.27 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.262 | 196  | 84183    | 37.05 | ng    | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.332 | 196  | 84514    | 36.63 | ng    | # 89     |
| 46) 1,1'-Biphenyl             | 13.662 | 154  | 245424   | 33.87 | ng    | 93       |
| 47) 2-Chloronaphthalene       | 13.714 | 162  | 206469   | 34.93 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.902 | 65   | 75082    | 38.32 | ng    | # 75     |
| 49) Acenaphthylene            | 14.549 | 152  | 300992   | 34.81 | ng    | 97       |
| 50) Dimethylphthalate         | 14.267 | 163  | 277978   | 35.56 | ng    | 96       |
| 51) 2,6-Dinitrotoluene        | 14.390 | 165  | 56170    | 34.64 | ng    | # 46     |
| 52) Acenaphthene              | 14.889 | 154  | 215446   | 38.98 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.719 | 138  | 57113    | 35.39 | ng    | # 75     |
| 54) 2,4-Dinitrophenol         | 14.925 | 184  | 37644    | 36.19 | ng    | # 42     |
| 55) Dibenzofuran              | 15.219 | 168  | 299641   | 32.97 | ng    | # 88     |
| 56) 4-Nitrophenol             | 15.013 | 139  | 41407    | 33.12 | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 15.172 | 165  | 82074    | 34.67 | ng    | # 47     |
| 58) Fluorene                  | 15.865 | 166  | 252306   | 34.54 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.442 | 232  | 85743    | 35.40 | ng    | # 92     |
| 60) Diethylphthalate          | 15.618 | 149  | 265098   | 34.33 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.853 | 204  | 161585   | 37.35 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.877 | 138  | 62773    | 36.22 | ng    | # 23     |
| 63) Azobenzene                | 16.147 | 77   | 248219   | 35.87 | ng    | 84       |
| 65) 4,6-Dinitro-2-methylph... | 15.935 | 198  | 53706    | 33.20 | ng    | 79       |
| 66) n-Nitrosodiphenylamine    | 16.065 | 169  | 234724   | 32.79 | ng    | 92       |
| 67) 4-Bromophenyl-phenylether | 16.740 | 248  | 112175   | 34.52 | ng    | 86       |
| 68) Hexachlorobenzene         | 16.869 | 284  | 120711   | 34.18 | ng    | 97       |
| 69) Atrazine                  | 16.999 | 200  | 98188    | 32.07 | ng    | 99       |
| 70) Pentachlorophenol         | 17.210 | 266  | 64732    | 33.64 | ng    | 97       |
| 71) Phenanthrene              | 17.604 | 178  | 432183   | 32.00 | ng    | 95       |
| 72) Anthracene                | 17.698 | 178  | 420350   | 32.04 | ng    | 96       |
| 73) Carbazole                 | 17.956 | 167  | 361332   | 31.20 | ng    | 96       |
| 74) Di-n-butylphthalate       | 18.497 | 149  | 440762   | 31.12 | ng    | # 96     |
| 75) Fluoranthene              | 19.596 | 202  | 577681   | 33.58 | ng    | 92       |
| 77) Benzidine                 | 19.766 | 184  | 240975   | 31.04 | ng    | 99       |
| 78) Pyrene                    | 19.960 | 202  | 571814   | 35.47 | ng    | 95       |
| 80) Butylbenzylphthalate      | 20.824 | 149  | 199468   | 32.80 | ng    | # 82     |
| 81) Benzo(a)anthracene        | 21.817 | 228  | 584859   | 35.65 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.723 | 252  | 209694   | 36.94 | ng    | # 98     |
| 83) Chrysene                  | 21.887 | 228  | 545988   | 34.57 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.699 | 149  | 277150   | 32.58 | ng    | 91       |
| 85) Di-n-octyl phthalate      | 22.951 | 149  | 470077   | 32.88 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 29.026 | 276  | 689840   | 35.75 | ng    | # 84     |
| 88) Benzo(b)fluoranthene      | 24.120 | 252  | 627706   | 36.17 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 24.190 | 252  | 593886   | 35.04 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 25.036 | 252  | 576902   | 35.62 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 29.102 | 278  | 555660   | 35.38 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 30.248 | 276  | 543921   | 34.93 | ng    | # 86     |

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

