

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010621\  
 Data File : BG047880.D  
 Acq On : 6 Jan 2021 17:42  
 Operator : CG/JU  
 Sample : PB133938BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB133938BS

Manual Integrations  
 APPROVED

mohammad  
 1/7/2021 4:43:34 PM

Quant Time: Jan 06 23:58:03 2021  
 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 15:55:16 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.197  | 152  | 29413    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.023 | 136  | 108240   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.818 | 164  | 90745    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.556 | 188  | 231263   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.834 | 240  | 211369   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.177 | 264  | 216436   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.723  | 112  | 250363   | 147.25 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.345  | 99   | 348876   | 140.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.366  | 82   | 253985   | 86.31  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.305 | 330  | 226831   | 146.42 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.449 | 172  | 581978   | 82.99  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.141 | 244  | 1137431  | 88.67  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.543  | 88   | 22443    | 30.72  | ng    | # 83     |
| 3) Pyridine                   | 3.960  | 79   | 70336    | 37.31  | ng    | # 78     |
| 4) n-Nitrosodimethylamine     | 3.872  | 42   | 61664    | 41.34  | ng    | # 45     |
| 6) Aniline                    | 7.509  | 93   | 93689    | 33.98  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.756  | 128  | 92125    | 53.16  | ng    | 96       |
| 9) Benzaldehyde               | 7.321  | 77   | 20083    | 12.33  | ng    | 93       |
| 10) Phenol                    | 7.368  | 94   | 122643   | 54.42  | ng    | # 55     |
| 11) bis(2-Chloroethyl)ether   | 7.603  | 93   | 80494    | 50.13  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.085  | 146  | 102870   | 44.03  | ng    | # 86     |
| 13) 1,4-Dichlorobenzene       | 8.232  | 146  | 107173   | 45.91  | ng    | 93       |
| 14) 1,2-Dichlorobenzene       | 8.555  | 146  | 102331m  | 46.62  | ng    |          |
| 15) Benzyl Alcohol            | 8.432  | 79   | 113620   | 51.60  | ng    | # 83     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.719  | 45   | 74190    | 46.51  | ng    | 79       |
| 17) 2-Methylphenol            | 8.631  | 107  | 84661    | 53.25  | ng    | # 80     |
| 18) Hexachloroethane          | 9.289  | 117  | 40777    | 44.55  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 9.002  | 70   | 84792    | 49.02  | ng    | # 95     |
| 20) 3+4-Methylphenols         | 8.960  | 107  | 120957   | 55.53  | ng    | # 83     |
| 22) Acetophenone              | 9.025  | 105  | 150466   | 48.57  | ng    | # 89     |
| 24) Nitrobenzene              | 9.413  | 77   | 132129   | 47.57  | ng    | # 82     |
| 25) Isophorone                | 9.936  | 82   | 224069   | 50.50  | ng    | # 93     |
| 26) 2-Nitrophenol             | 10.124 | 139  | 56127    | 51.08  | ng    | # 46     |
| 27) 2,4-Dimethylphenol        | 10.177 | 122  | 95987    | 60.68  | ng    | # 80     |
| 28) bis(2-Chloroethoxy)met... | 10.412 | 93   | 111201   | 48.48  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.664 | 162  | 111466   | 54.12  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.882 | 180  | 124573   | 47.14  | ng    | 95       |
| 31) Naphthalene               | 11.076 | 128  | 287809   | 48.38  | ng    | 100      |
| 32) Benzoic acid              | 10.306 | 122  | 24679    | 29.72  | ng    | # 89     |
| 33) 4-Chloroaniline           | 11.175 | 127  | 58716    | 23.23  | ng    | # 87     |
| 34) Hexachlorobutadiene       | 11.352 | 225  | 98942    | 42.46  | ng    | 99       |
| 35) Caprolactam               | 11.945 | 113  | 37322m   | 57.06  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.280 | 107  | 129116   | 57.35  | ng    | 85       |
| 37) 2-Methylnaphthalene       | 12.668 | 142  | 231109   | 50.08  | ng    | # 90     |
| 38) 1-Methylnaphthalene       | 12.885 | 142  | 217407   | 49.84  | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 13.026 | 216  | 164712   | 44.23  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 13.009 | 237  | 219101   | 108.65 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.261 | 196  | 114472   | 48.10  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.332 | 196  | 123301   | 52.37  | ng    | #        | 91 |
| 46) 1,1'-Biphenyl             | 13.661 | 154  | 317668   | 45.87  | ng    |          | 98 |
| 47) 2-Chloronaphthalene       | 13.708 | 162  | 248846   | 44.20  | ng    |          | 93 |
| 48) 2-Nitroaniline            | 13.902 | 65   | 94234    | 45.29  | ng    | #        | 78 |
| 49) Acenaphthylene            | 14.548 | 152  | 400054   | 47.87  | ng    |          | 98 |
| 50) Dimethylphthalate         | 14.266 | 163  | 372955   | 47.68  | ng    |          | 99 |
| 51) 2,6-Dinitrotoluene        | 14.389 | 165  | 80232    | 50.46  | ng    | #        | 62 |
| 52) Acenaphthene              | 14.883 | 154  | 332091m  | 56.34  | ng    |          |    |
| 53) 3-Nitroaniline            | 14.718 | 138  | 43123    | 27.37  | ng    | #        | 63 |
| 54) 2,4-Dinitrophenol         | 14.930 | 184  | 109251   | 107.24 | ng    | #        | 59 |
| 55) Dibenzofuran              | 15.218 | 168  | 416512   | 48.74  | ng    | #        | 90 |
| 56) 4-Nitrophenol             | 15.018 | 139  | 121569   | 107.02 | ng    | #        | 14 |
| 57) 2,4-Dinitrotoluene        | 15.171 | 165  | 119020   | 50.35  | ng    | #        | 63 |
| 58) Fluorene                  | 15.864 | 166  | 357675   | 49.28  | ng    |          | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.441 | 232  | 124508   | 51.77  | ng    | #        | 94 |
| 60) Diethylphthalate          | 15.617 | 149  | 368269   | 48.83  | ng    |          | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.846 | 204  | 217078   | 47.46  | ng    |          | 96 |
| 62) 4-Nitroaniline            | 15.876 | 138  | 78401    | 45.23  | ng    | #        | 29 |
| 63) Azobenzene                | 16.140 | 77   | 338462   | 48.13  | ng    |          | 86 |
| 65) 4,6-Dinitro-2-methylph... | 15.935 | 198  | 81158    | 54.92  | ng    |          | 87 |
| 66) n-Nitrosodiphenylamine    | 16.058 | 169  | 333957   | 50.47  | ng    |          | 94 |
| 67) 4-Bromophenyl-phenylether | 16.739 | 248  | 147743   | 47.54  | ng    | #        | 91 |
| 68) Hexachlorobenzene         | 16.869 | 284  | 159104   | 47.20  | ng    |          | 96 |
| 69) Atrazine                  | 16.998 | 200  | 125398   | 45.11  | ng    |          | 96 |
| 70) Pentachlorophenol         | 17.204 | 266  | 194890   | 76.43  | ng    |          | 99 |
| 71) Phenanthrene              | 17.603 | 178  | 615142   | 49.34  | ng    |          | 95 |
| 72) Anthracene                | 17.691 | 178  | 625092   | 51.71  | ng    |          | 96 |
| 73) Carbazole                 | 17.956 | 167  | 531645   | 50.23  | ng    |          | 98 |
| 74) Di-n-butylphthalate       | 18.490 | 149  | 610304   | 48.92  | ng    | #        | 94 |
| 75) Fluoranthene              | 19.595 | 202  | 798195   | 47.75  | ng    |          | 92 |
| 77) Benzidine                 | 19.759 | 184  | 232203   | 40.85  | ng    |          | 95 |
| 78) Pyrene                    | 19.953 | 202  | 785204   | 51.85  | ng    |          | 97 |
| 80) Butylbenzylphthalate      | 20.817 | 149  | 251830   | 48.49  | ng    | #        | 83 |
| 81) Benzo(a)anthracene        | 21.810 | 228  | 739604   | 48.71  | ng    |          | 96 |
| 82) 3,3'-Dichlorobenzidine    | 21.716 | 252  | 187471   | 35.08  | ng    | #        | 95 |
| 83) Chrysene                  | 21.881 | 228  | 699301   | 48.77  | ng    |          | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.692 | 149  | 353495   | 49.39  | ng    |          | 98 |
| 85) Di-n-octyl phthalate      | 22.938 | 149  | 600418   | 49.47  | ng    | #        | 96 |
| 87) Indeno(1,2,3-cd)pyrene    | 29.031 | 276  | 848026   | 51.60  | ng    | #        | 83 |
| 88) Benzo(b)fluoranthene      | 24.113 | 252  | 781721   | 52.38  | ng    | #        | 95 |
| 89) Benzo(k)fluoranthene      | 24.190 | 252  | 755908   | 52.25  | ng    | #        | 92 |
| 90) Benzo(a)pyrene            | 25.030 | 252  | 698519   | 50.30  | ng    | #        | 93 |
| 91) Dibenzo(a,h)anthracene    | 29.096 | 278  | 710914   | 53.39  | ng    | #        | 92 |
| 92) Benzo(g,h,i)perylene      | 30.247 | 276  | 698160   | 53.62  | ng    | #        | 90 |

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

