

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101421\  
 Data File : BG050587.D  
 Acq On : 14 Oct 2021 14:08  
 Operator : CG/JU  
 Sample : PB139823BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB139823BS

Manual Integrations  
 APPROVED

mohammad  
 10/18/2021 8:35:33 AM

Quant Time: Oct 14 14:56:06 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.261  | 152  | 47704    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.081 | 136  | 195919   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.877 | 164  | 126378   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.621 | 188  | 277513   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.921 | 240  | 236705   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.335 | 264  | 238456   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.799  | 112  | 408929   | 128.20 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.403  | 99   | 544727   | 117.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.430  | 82   | 381489   | 80.60  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.363 | 330  | 147109   | 122.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.502 | 172  | 673731   | 80.23  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.206 | 244  | 1025485  | 84.43  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.660  | 88   | 46588    | 28.20  | ng    | 90       |
| 3) Pyridine                   | 4.066  | 79   | 115408   | 25.57  | ng    | # 93     |
| 4) n-Nitrosodimethylamine     | 3.978  | 42   | 84524    | 39.74  | ng    | # 52     |
| 6) Aniline                    | 7.579  | 93   | 214171   | 39.92  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.820  | 128  | 138586   | 45.12  | ng    | 87       |
| 9) Benzaldehyde               | 7.391  | 77   | 114713   | 39.31  | ng    | 90       |
| 10) Phenol                    | 7.432  | 94   | 194231   | 43.26  | ng    | 85       |
| 11) bis(2-Chloroethyl)ether   | 7.667  | 93   | 140406   | 40.06  | ng    | 84       |
| 12) 1,3-Dichlorobenzene       | 8.143  | 146  | 142429   | 40.17  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.296  | 146  | 140482   | 39.31  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.619  | 146  | 138901   | 40.69  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.490  | 79   | 160396   | 43.95  | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.784  | 45   | 233112   | 40.78  | ng    | 87       |
| 17) 2-Methylphenol            | 8.690  | 107  | 131866   | 44.63  | ng    | 92       |
| 18) Hexachloroethane          | 9.348  | 117  | 56537    | 41.80  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 9.060  | 70   | 136073   | 40.42  | ng    | # 90     |
| 20) 3+4-Methylphenols         | 9.019  | 107  | 178956   | 43.03  | ng    | 93       |
| 22) Acetophenone              | 9.083  | 105  | 222420   | 39.93  | ng    | # 97     |
| 24) Nitrobenzene              | 9.471  | 77   | 192949   | 41.00  | ng    | 94       |
| 25) Isophorone                | 9.994  | 82   | 343269   | 40.89  | ng    | # 95     |
| 26) 2-Nitrophenol             | 10.188 | 139  | 77359    | 44.77  | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 10.229 | 122  | 139007   | 46.56  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.470 | 93   | 193895   | 40.40  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.723 | 162  | 134333   | 44.15  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.940 | 180  | 138620   | 40.10  | ng    | 95       |
| 31) Naphthalene               | 11.134 | 128  | 425447   | 40.57  | ng    | 99       |
| 32) Benzoic acid              | 10.364 | 122  | 78412    | 35.39  | ng    | # 76     |
| 33) 4-Chloroaniline           | 11.234 | 127  | 140498   | 31.93  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.404 | 225  | 84909    | 39.13  | ng    | 91       |
| 35) Caprolactam               | 12.009 | 113  | 49684m   | 42.66  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.333 | 107  | 161714   | 42.52  | ng    | # 93     |
| 37) 2-Methylnaphthalene       | 12.720 | 142  | 304614   | 42.10  | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.938 | 142  | 282548   | 40.27  | ng    | 93       |
| 40) 1,2,4,5-Tetrachloroben... | 13.079 | 216  | 150327   | 40.28  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.055 | 237  | 198301   | 91.94  | ng    | 89       |
| 43) 2,4,6-Trichlorophenol     | 13.314 | 196  | 108576   | 41.29  | ng    | 90       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.384 | 196  | 119170   | 43.34 | ng    | 90       |
| 46) 1,1'-Biphenyl             | 13.713 | 154  | 372057   | 40.36 | ng    | 93       |
| 47) 2-Chloronaphthalene       | 13.760 | 162  | 294413   | 41.59 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.960 | 65   | 125974   | 44.74 | ng    | 96       |
| 49) Acenaphthylene            | 14.606 | 152  | 488386   | 42.11 | ng    | 97       |
| 50) Dimethylphthalate         | 14.319 | 163  | 401318   | 42.01 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.448 | 165  | 86496    | 45.21 | ng    | 93       |
| 52) Acenaphthene              | 14.941 | 154  | 346076m  | 46.44 | ng    |          |
| 53) 3-Nitroaniline            | 14.777 | 138  | 79668    | 35.20 | ng    | 90       |
| 54) 2,4-Dinitrophenol         | 14.982 | 184  | 96941    | 81.67 | ng    | 88       |
| 55) Dibenzofuran              | 15.276 | 168  | 461916   | 40.08 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.076 | 139  | 152108   | 83.55 | ng    | # 82     |
| 57) 2,4-Dinitrotoluene        | 15.229 | 165  | 122592   | 45.46 | ng    | 91       |
| 58) Fluorene                  | 15.923 | 166  | 367711   | 41.53 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.494 | 232  | 94984    | 39.66 | ng    | 92       |
| 60) Diethylphthalate          | 15.676 | 149  | 421410   | 41.99 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.905 | 204  | 198926   | 41.06 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.940 | 138  | 97093    | 41.23 | ng    | # 69     |
| 63) Azobenzene                | 16.199 | 77   | 471752   | 40.60 | ng    | 82       |
| 65) 4,6-Dinitro-2-methylph... | 15.993 | 198  | 67448    | 40.46 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 16.122 | 169  | 334563   | 42.43 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.804 | 248  | 116777   | 41.76 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.921 | 284  | 119546   | 43.01 | ng    | # 93     |
| 69) Atrazine                  | 17.056 | 200  | 138374   | 44.55 | ng    | 99       |
| 70) Pentachlorophenol         | 17.262 | 266  | 149661   | 79.10 | ng    | 97       |
| 71) Phenanthrene              | 17.668 | 178  | 616847   | 42.18 | ng    | 98       |
| 72) Anthracene                | 17.756 | 178  | 626435   | 43.11 | ng    | 97       |
| 73) Carbazole                 | 18.020 | 167  | 579576   | 40.02 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.555 | 149  | 723866   | 42.59 | ng    | # 97     |
| 75) Fluoranthene              | 19.659 | 202  | 735303   | 40.90 | ng    | 96       |
| 77) Benzidine                 | 19.836 | 184  | 422829   | 55.11 | ng    | 97       |
| 78) Pyrene                    | 20.024 | 202  | 729063   | 43.41 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.893 | 149  | 315252   | 44.38 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.904 | 228  | 658203   | 42.02 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.810 | 252  | 196734   | 37.90 | ng    | # 98     |
| 83) Chrysene                  | 21.974 | 228  | 623927   | 42.35 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.774 | 149  | 456321   | 45.21 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 23.055 | 149  | 778875   | 46.27 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.272 | 276  | 725257   | 43.67 | ng    | # 87     |
| 88) Benzo(b)fluoranthene      | 24.248 | 252  | 685348   | 46.93 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.319 | 252  | 635778   | 44.25 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 25.176 | 252  | 648298   | 52.21 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 29.336 | 278  | 615627   | 44.81 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 30.500 | 276  | 607424   | 45.15 | ng    | # 89     |

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

