

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102121\  
 Data File : BG050662.D  
 Acq On : 21 Oct 2021 11:02  
 Operator : CG/JU  
 Sample : PB140015BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB140015BS

Manual Integrations  
 APPROVED

mohammad  
 10/22/2021 2:53:58 PM

Quant Time: Oct 21 11:39:57 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     | 8.252  | 152  | 39459    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.078 | 136  | 177281   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.874 | 164  | 115740   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.618 | 188  | 254258   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.925 | 240  | 191486   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.338 | 264  | 190380   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.790  | 112  | 332682   | 126.09 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.400  | 99   | 454304   | 118.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.427  | 82   | 316966   | 74.01  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.360 | 330  | 137999   | 125.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.499 | 172  | 594623   | 77.32  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.209 | 244  | 879768   | 89.54  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.652  | 88   | 35881    | 26.26  | ng    | 89       |
| 3) Pyridine                   | 4.057  | 79   | 94150    | 25.22  | ng    | # 91     |
| 4) n-Nitrosodimethylamine     | 3.969  | 42   | 70122    | 39.86  | ng    | # 45     |
| 6) Aniline                    | 7.571  | 93   | 203103   | 45.76  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.818  | 128  | 121187   | 47.70  | ng    | 91       |
| 9) Benzaldehyde               | 7.383  | 77   | 99852    | 41.67  | ng    | 89       |
| 10) Phenol                    | 7.424  | 94   | 170127   | 45.80  | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 7.665  | 93   | 124581   | 42.97  | ng    | 87       |
| 12) 1,3-Dichlorobenzene       | 8.141  | 146  | 124712   | 42.53  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.288  | 146  | 125755   | 42.54  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.611  | 146  | 123973   | 43.90  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.487  | 79   | 137395   | 45.51  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.775  | 45   | 205278   | 43.42  | ng    | 86       |
| 17) 2-Methylphenol            | 8.687  | 107  | 115347   | 47.20  | ng    | 93       |
| 18) Hexachloroethane          | 9.345  | 117  | 49952    | 44.64  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.057  | 70   | 119747   | 43.01  | ng    | # 90     |
| 20) 3+4-Methylphenols         | 9.016  | 107  | 157320   | 45.73  | ng    | 95       |
| 22) Acetophenone              | 9.081  | 105  | 198547   | 39.39  | ng    | # 97     |
| 24) Nitrobenzene              | 9.469  | 77   | 171452   | 40.26  | ng    | 93       |
| 25) Isophorone                | 9.991  | 82   | 305409   | 40.21  | ng    | # 96     |
| 26) 2-Nitrophenol             | 10.185 | 139  | 70342    | 44.99  | ng    | # 90     |
| 27) 2,4-Dimethylphenol        | 10.226 | 122  | 127513   | 47.20  | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 10.467 | 93   | 170462   | 39.25  | ng    | 92       |
| 29) 2,4-Dichlorophenol        | 10.720 | 162  | 121884   | 44.27  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.937 | 180  | 124867   | 39.92  | ng    | 97       |
| 31) Naphthalene               | 11.131 | 128  | 384058   | 40.47  | ng    | 98       |
| 32) Benzoic acid              | 10.373 | 122  | 69849    | 34.84  | ng    | # 78     |
| 33) 4-Chloroaniline           | 11.237 | 127  | 163385   | 41.04  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.402 | 225  | 77745    | 39.59  | ng    | 94       |
| 35) Caprolactam               | 12.013 | 113  | 46484m   | 44.11  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.336 | 107  | 148889   | 43.26  | ng    | # 91     |
| 37) 2-Methylnaphthalene       | 12.718 | 142  | 274090   | 41.86  | ng    | 92       |
| 38) 1-Methylnaphthalene       | 12.935 | 142  | 254877   | 40.14  | ng    | 93       |
| 40) 1,2,4,5-Tetrachloroben... | 13.076 | 216  | 139999   | 40.96  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.053 | 237  | 174183   | 88.18  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.311 | 196  | 102619   | 42.61  | ng    | 93       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.387 | 196  | 109238   | 43.38 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 13.711 | 154  | 337696   | 40.00 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.758 | 162  | 271574   | 41.89 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.957 | 65   | 115547   | 44.81 | ng    | 95       |
| 49) Acenaphthylene            | 14.604 | 152  | 453349   | 42.68 | ng    | 97       |
| 50) Dimethylphthalate         | 14.316 | 163  | 368449   | 42.12 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.445 | 165  | 80370    | 45.87 | ng    | 89       |
| 52) Acenaphthene              | 14.939 | 154  | 317171m  | 46.47 | ng    |          |
| 53) 3-Nitroaniline            | 14.780 | 138  | 84662    | 40.85 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.986 | 184  | 88821    | 81.71 | ng    | 93       |
| 55) Dibenzofuran              | 15.274 | 168  | 428472   | 40.59 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.080 | 139  | 141951   | 85.14 | ng    | # 77     |
| 57) 2,4-Dinitrotoluene        | 15.232 | 165  | 114513   | 46.36 | ng    | 95       |
| 58) Fluorene                  | 15.920 | 166  | 341184   | 42.08 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.491 | 232  | 91073    | 41.52 | ng    | 98       |
| 60) Diethylphthalate          | 15.673 | 149  | 389195   | 42.34 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.902 | 204  | 185034   | 41.71 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.937 | 138  | 92578    | 42.93 | ng    | # 65     |
| 63) Azobenzene                | 16.196 | 77   | 433057   | 40.70 | ng    | 82       |
| 65) 4,6-Dinitro-2-methylph... | 15.990 | 198  | 62353    | 40.83 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 16.120 | 169  | 309101   | 42.79 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.801 | 248  | 110308   | 43.05 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.919 | 284  | 111839   | 43.92 | ng    | # 93     |
| 69) Atrazine                  | 17.060 | 200  | 125649   | 44.15 | ng    | 98       |
| 70) Pentachlorophenol         | 17.265 | 266  | 131338   | 75.77 | ng    | 98       |
| 71) Phenanthrene              | 17.665 | 178  | 563081   | 42.03 | ng    | 98       |
| 72) Anthracene                | 17.753 | 178  | 579638   | 43.54 | ng    | 97       |
| 73) Carbazole                 | 18.023 | 167  | 529597   | 39.91 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.552 | 149  | 655474   | 42.09 | ng    | # 98     |
| 75) Fluoranthene              | 19.662 | 202  | 633485   | 38.46 | ng    | 96       |
| 77) Benzidine                 | 19.833 | 184  | 541639   | 87.27 | ng    | 97       |
| 78) Pyrene                    | 20.021 | 202  | 627066   | 46.16 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.890 | 149  | 253951   | 44.19 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.901 | 228  | 547035   | 43.17 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.807 | 252  | 189196   | 45.06 | ng    | # 98     |
| 83) Chrysene                  | 21.972 | 228  | 536035   | 44.98 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.772 | 149  | 362361   | 44.38 | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 23.053 | 149  | 612189   | 44.95 | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.269 | 276  | 596883   | 45.01 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 24.245 | 252  | 535723   | 45.95 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.322 | 252  | 533461   | 46.51 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 25.180 | 252  | 524636   | 52.92 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 29.345 | 278  | 512967   | 46.77 | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 30.514 | 276  | 494254   | 46.01 | ng    | # 91     |

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

