

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG12222\  
 Data File : BG056066.D  
 Acq On : 22 Dec 2022 17:36  
 Operator : CG/JU  
 Sample : PB149770BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB149770BS

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022

Quant Time: Dec 23 05:19:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 05:09:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.356  | 152  | 8254     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.194 | 136  | 36594    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.966 | 164  | 36026    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.704 | 188  | 106209   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.011 | 240  | 118945   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.489 | 264  | 124099   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.871  | 112  | 55559    | 157.858 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.493  | 99   | 69119    | 152.694 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.531  | 82   | 44519    | 85.016  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.447 | 330  | 108998   | 125.473 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.597 | 172  | 171893   | 66.918  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.278 | 244  | 501545   | 74.524  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.691  | 88   | 3828     | 37.374  | ng    | 96       |
| 3) Pyridine                   | 4.108  | 79   | 10074    | 29.886  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 4.014  | 42   | 11648    | 38.441  | ng    | # 90     |
| 6) Aniline                    | 7.669  | 93   | 19804    | 36.541  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.916  | 128  | 22233    | 48.964  | ng    | 93       |
| 9) Benzaldehyde               | 7.481  | 77   | 3200     | 11.256  | ng    | 95       |
| 10) Phenol                    | 7.516  | 94   | 24710    | 49.877  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.757  | 93   | 14108    | 43.718  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.245  | 146  | 24047    | 40.940  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.392  | 146  | 24557    | 40.909  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.715  | 146  | 24225    | 42.227  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.585  | 79   | 21643    | 46.014  | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.879  | 45   | 21301m   | 50.717  | ng    |          |
| 17) 2-Methylphenol            | 8.785  | 107  | 19093    | 48.983  | ng    | 93       |
| 18) Hexachloroethane          | 9.455  | 117  | 7977     | 43.778  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 9.155  | 70   | 14088    | 43.419  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 9.114  | 107  | 26504    | 47.648  | ng    | 95       |
| 22) Acetophenone              | 9.185  | 105  | 33554    | 36.989  | ng    | # 99     |
| 24) Nitrobenzene              | 9.572  | 77   | 23221    | 44.055  | ng    | 98       |
| 25) Isophorone                | 10.095 | 82   | 43096    | 39.248  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.289 | 139  | 14266    | 45.721  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 10.330 | 122  | 23339m   | 44.538  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.565 | 93   | 21849    | 45.022  | ng    | # 92     |
| 29) 2,4-Dichlorophenol        | 10.824 | 162  | 30416    | 40.894  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 11.047 | 180  | 34264    | 35.438  | ng    | 98       |
| 31) Naphthalene               | 11.241 | 128  | 68782    | 35.622  | ng    | 98       |
| 32) Benzoic acid              | 10.454 | 122  | 18848    | 42.653  | ng    | 83       |
| 33) 4-Chloroaniline           | 11.335 | 127  | 20793    | 25.120  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.517 | 225  | 29502    | 32.456  | ng    | 95       |
| 35) Caprolactam               | 12.099 | 113  | 8102m    | 39.097  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.428 | 107  | 28482    | 40.838  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.822 | 142  | 61554    | 36.083  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 13.039 | 142  | 56780    | 34.166  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 13.180 | 216  | 53965    | 35.503  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.157 | 237  | 74703    | 86.631  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.409 | 196  | 36212    | 40.246  | ng    | 93       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.480 | 196  | 39880    | 39.319  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.803 | 154  | 90500    | 37.061  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.856 | 162  | 71154    | 35.861  | ng    | 94       |
| 48) 2-Nitroaniline            | 14.044 | 65   | 19447    | 49.618  | ng    | 92       |
| 49) Acenaphthylene            | 14.696 | 152  | 116113   | 36.662  | ng    | 100      |
| 50) Dimethylphthalate         | 14.408 | 163  | 111757   | 35.881  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.531 | 165  | 23736    | 49.246  | ng    | 92       |
| 52) Acenaphthene              | 15.031 | 154  | 94056    | 44.237  | ng    | 93       |
| 53) 3-Nitroaniline            | 14.860 | 138  | 15816    | 32.260  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 15.060 | 184  | 37510    | 104.683 | ng    | # 78     |
| 55) Dibenzofuran              | 15.360 | 168  | 129557   | 36.235  | ng    | 97       |
| 56) 4-Nitrophenol             | 15.148 | 139  | 36756    | 93.558  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 15.313 | 165  | 34647    | 47.621  | ng    | # 88     |
| 58) Fluorene                  | 16.006 | 166  | 103993   | 35.581  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.577 | 232  | 46180    | 39.854  | ng    | 99       |
| 60) Diethylphthalate          | 15.753 | 149  | 106096   | 34.851  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.989 | 204  | 72309    | 36.317  | ng    | 96       |
| 62) 4-Nitroaniline            | 16.018 | 138  | 22337    | 41.837  | ng    | 94       |
| 63) Azobenzene                | 16.276 | 77   | 67118    | 36.223  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 16.071 | 198  | 25532    | 50.323  | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 16.200 | 169  | 97802    | 35.139  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.882 | 248  | 55092    | 35.399  | ng    | 95       |
| 68) Hexachlorobenzene         | 17.005 | 284  | 67171    | 35.041  | ng    | 98       |
| 69) Atrazine                  | 17.134 | 200  | 43071    | 34.177  | ng    | 98       |
| 70) Pentachlorophenol         | 17.346 | 266  | 89285    | 81.471  | ng    | 94       |
| 71) Phenanthrene              | 17.745 | 178  | 197660   | 35.513  | ng    | 100      |
| 72) Anthracene                | 17.839 | 178  | 197346   | 35.839  | ng    | 99       |
| 73) Carbazole                 | 18.098 | 167  | 168000   | 36.992  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.632 | 149  | 185373   | 35.099  | ng    | 98       |
| 75) Fluoranthene              | 19.731 | 202  | 269617   | 34.593  | ng    | 99       |
| 77) Benzidine                 | 19.896 | 184  | 79169    | 37.900  | ng    | 98       |
| 78) Pyrene                    | 20.095 | 202  | 267497   | 37.166  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.959 | 149  | 80376    | 39.410  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.987 | 228  | 299760   | 35.814  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.887 | 252  | 109443   | 36.343  | ng    | 98       |
| 83) Chrysene                  | 22.058 | 228  | 281995   | 35.949  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.858 | 149  | 113771   | 37.547  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.157 | 149  | 191867   | 37.329  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.502 | 276  | 374683   | 37.546  | ng    | # 99     |
| 88) Benzo(b)fluoranthene      | 24.379 | 252  | 331896m  | 41.324  | ng    |          |
| 89) Benzo(k)fluoranthene      | 24.449 | 252  | 321659   | 40.141  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.325 | 252  | 288613   | 42.513  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.578 | 278  | 326419   | 39.080  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.777 | 276  | 315088   | 39.017  | ng    | 96       |

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

