

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042523\  
 Data File : BG057174.D  
 Acq On : 25 Apr 2023 13:16  
 Operator : CG/JU  
 Sample : 02423-04MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SPD-1WC-23-04-18MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023  
 Supervised By : Jagrut Upadhyay 04/26/2023

Quant Time: Apr 25 23:58:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 25 04:59:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.379  | 152  | 13873    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.216 | 136  | 57883    | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.993 | 164  | 47674    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.731 | 188  | 129118   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 22.049 | 240  | 117452   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.561 | 264  | 122339   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.894  | 112  | 115056   | 150.293 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.521  | 99   | 162385   | 146.604 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.560  | 82   | 114370   | 97.681  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.474 | 330  | 86267    | 137.146 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.619 | 172  | 278289   | 78.449  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.304 | 244  | 584480   | 87.042  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 3.709  | 88   | 16500    | 48.099  | ng    | Qvalue   |
| 3) Pyridine                   | 4.138  | 79   | 39204    | 37.666  | ng    | # 30     |
| 4) n-Nitrosodimethylamine     | 4.032  | 42   | 24661    | 65.683  | ng    | 92       |
| 6) Aniline                    | 7.692  | 93   | 47818    | 33.058  | ng    | 91       |
| 8) 2-Chlorophenol             | 7.938  | 128  | 45772    | 57.075  | ng    | 94       |
| 9) Benzaldehyde               | 7.504  | 77   | 30226    | 45.560  | ng    | 96       |
| 10) Phenol                    | 7.545  | 94   | 60334    | 54.858  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 7.780  | 93   | 43946    | 50.919  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.267  | 146  | 46126m   | 48.552  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.414  | 146  | 47956    | 50.088  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.743  | 146  | 45507    | 49.228  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.614  | 79   | 53719    | 65.818  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.896  | 45   | 57626m   | 50.406  | ng    | 97       |
| 17) 2-Methylphenol            | 8.814  | 107  | 44082    | 54.773  | ng    | 96       |
| 18) Hexachloroethane          | 9.477  | 117  | 15797    | 48.635  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 9.184  | 70   | 43821    | 63.606  | ng    | 96       |
| 20) 3+4-Methylphenols         | 9.143  | 107  | 61363    | 55.713  | ng    | 93       |
| 22) Acetophenone              | 9.207  | 105  | 78946    | 50.277  | ng    | # 91     |
| 24) Nitrobenzene              | 9.601  | 77   | 64137    | 54.558  | ng    | 96       |
| 25) Isophorone                | 10.118 | 82   | 124857   | 55.595  | ng    | 91       |
| 26) 2-Nitrophenol             | 10.317 | 139  | 24023    | 54.699  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 10.359 | 122  | 48434    | 57.379  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.594 | 93   | 61279    | 52.051  | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.858 | 162  | 53037    | 56.403  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 11.075 | 180  | 51902    | 45.138  | ng    | 99       |
| 31) Naphthalene               | 11.269 | 128  | 143434   | 46.654  | ng    | 100      |
| 33) 4-Chloroaniline           | 11.369 | 127  | 20349    | 15.054  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.545 | 225  | 35892    | 42.332  | ng    | # 90     |
| 35) Caprolactam               | 12.133 | 113  | 15187    | 58.327  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 12.462 | 107  | 60594    | 59.901  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.843 | 142  | 110290   | 45.586  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 13.061 | 142  | 103825   | 46.482  | ng    | # 99     |
| 40) 1,2,4,5-Tetrachloroben... | 13.208 | 216  | 73767    | 42.287  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.184 | 237  | 67176    | 89.445  | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.437 | 196  | 50229    | 53.186  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol     | 13.513 | 196  | 57962    | 50.837  | ng    |          |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 46) 1,1'-Biphenyl             | 13.830 | 154  | 162104   | 45.618  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.883 | 162  | 123781   | 46.152  | ng    | 100      |
| 48) 2-Nitroaniline            | 14.077 | 65   | 41722    | 60.880  | ng    | 91       |
| 49) Acenaphthylene            | 14.723 | 152  | 202511   | 47.565  | ng    | 99       |
| 50) Dimethylphthalate         | 14.430 | 163  | 181672   | 54.297  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.559 | 165  | 38774    | 55.518  | ng    | 94       |
| 52) Acenaphthene              | 15.058 | 154  | 124559   | 44.778  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.894 | 138  | 25253    | 36.413  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 15.099 | 184  | 3508     | 14.607  | ng    | 94       |
| 55) Dibenzofuran              | 15.387 | 168  | 211213   | 46.861  | ng    | 98       |
| 56) 4-Nitrophenol             | 15.187 | 139  | 50082    | 102.596 | ng    | 81       |
| 57) 2,4-Dinitrotoluene        | 15.346 | 165  | 56133    | 59.019  | ng    | 95       |
| 58) Fluorene                  | 16.033 | 166  | 180474   | 49.734  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.610 | 232  | 53357    | 54.634  | ng    | 98       |
| 60) Diethylphthalate          | 15.775 | 149  | 184504   | 57.207  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 16.016 | 204  | 102229   | 46.938  | ng    | 98       |
| 62) 4-Nitroaniline            | 16.051 | 138  | 39626    | 56.744  | ng    | # 83     |
| 63) Azobenzene                | 16.303 | 77   | 197606   | 57.596  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 16.104 | 198  | 7529     | 14.971  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.227 | 169  | 160732   | 47.708  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.909 | 248  | 69772    | 44.934  | ng    | 95       |
| 68) Hexachlorobenzene         | 17.038 | 284  | 73753    | 46.308  | ng    | 98       |
| 69) Atrazine                  | 17.161 | 200  | 70968    | 65.951  | ng    | 97       |
| 70) Pentachlorophenol         | 17.378 | 266  | 32646    | 43.617  | ng    | 99       |
| 71) Phenanthrene              | 17.778 | 178  | 316489   | 48.014  | ng    | 99       |
| 72) Anthracene                | 17.866 | 178  | 320616   | 48.105  | ng    | 99       |
| 73) Carbazole                 | 18.130 | 167  | 288752   | 51.325  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.653 | 149  | 300566   | 57.434  | ng    | 99       |
| 75) Fluoranthene              | 19.763 | 202  | 393724   | 48.078  | ng    | 99       |
| 77) Benzidine                 | 19.928 | 184  | 80777    | 45.641  | ng    | 99       |
| 78) Pyrene                    | 20.128 | 202  | 399823   | 50.139  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.979 | 149  | 112887   | 53.923  | ng    | 93       |
| 81) Benzo(a)anthracene        | 22.025 | 228  | 397353   | 49.205  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.919 | 252  | 92343    | 43.690  | ng    | 97       |
| 83) Chrysene                  | 22.096 | 228  | 365551   | 46.940  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.872 | 149  | 168578   | 50.991  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 23.176 | 149  | 286085   | 54.309  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.632 | 276  | 437808   | 49.959  | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 24.434 | 252  | 394578   | 51.452  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 24.510 | 252  | 400570   | 50.497  | ng    | 97       |
| 90) Benzo(a)pyrene            | 25.397 | 252  | 350179   | 46.360  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.691 | 278  | 362260   | 49.786  | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 30.901 | 276  | 350430   | 48.675  | ng    | 96       |

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

