

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020822\  
 Data File : BG052317.D  
 Acq On : 8 Feb 2022 13:45  
 Operator : CG/JU  
 Sample : N1391-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-020322MS

Quant Time: Feb 08 14:58:17 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 08 01:21:20 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/09/2022  
 Supervised By : mohammad ahmed 02/15/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.228  | 152  | 36496    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.071 | 136  | 153433   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.878 | 164  | 106207   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.627 | 188  | 224757   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.945 | 240  | 189464   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.417 | 264  | 198859   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.761  | 112  | 220054   | 105.086 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.376  | 99   | 320152   | 99.089  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.403  | 82   | 220827   | 62.551  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.364 | 330  | 155062   | 101.624 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.497 | 172  | 503601   | 65.887  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.218 | 244  | 679290   | 63.312  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.581  | 88   | 27876    | 28.910  | ng    | 97       |
| 3) Pyridine                   | 3.993  | 79   | 73995    | 26.460  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.899  | 42   | 53077    | 36.757  | ng    | # 91     |
| 6) Aniline                    | 7.541  | 93   | 116355   | 30.997  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.787  | 128  | 112638   | 48.897  | ng    | 96       |
| 9) Benzaldehyde               | 7.347  | 77   | 81326    | 46.515  | ng    | 98       |
| 10) Phenol                    | 7.406  | 94   | 153444   | 47.798  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.629  | 93   | 100706   | 41.041  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.116  | 146  | 117157   | 44.637  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.263  | 146  | 120928   | 45.196  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.592  | 146  | 117306   | 44.454  | ng    | 93       |
| 15) Benzyl Alcohol            | 8.463  | 79   | 117383   | 43.775  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.757  | 45   | 141993   | 40.073  | ng    | 97       |
| 17) 2-Methylphenol            | 8.675  | 107  | 99140    | 46.800  | ng    | 90       |
| 18) Hexachloroethane          | 9.332  | 117  | 45143    | 48.522  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 9.033  | 70   | 94192    | 38.670  | ng    | 96       |
| 20) 3+4-Methylphenols         | 9.003  | 107  | 136719   | 45.112  | ng    | 96       |
| 22) Acetophenone              | 9.056  | 105  | 166498   | 41.058  | ng    | # 96     |
| 24) Nitrobenzene              | 9.444  | 77   | 144119   | 43.036  | ng    | 95       |
| 25) Isophorone                | 9.973  | 82   | 254570   | 42.380  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.167 | 139  | 65348    | 46.039  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 10.219 | 122  | 111899   | 53.246  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.449 | 93   | 139138   | 40.815  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.713 | 162  | 120347   | 47.776  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.930 | 180  | 133511   | 45.389  | ng    | 98       |
| 31) Naphthalene               | 11.118 | 128  | 363636   | 45.208  | ng    | 96       |
| 32) Benzoic acid              | 10.366 | 122  | 77794    | 56.099  | ng    | 97       |
| 33) 4-Chloroaniline           | 11.218 | 127  | 97114    | 28.918  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.406 | 225  | 89174    | 44.890  | ng    | 92       |
| 35) Caprolactam               | 11.988 | 113  | 39104m   | 42.597  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.334 | 107  | 132746   | 46.321  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.716 | 142  | 274573   | 45.958  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.933 | 142  | 254112   | 43.894  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.080 | 216  | 169755   | 48.594  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.063 | 237  | 102664   | 62.260  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.315 | 196  | 110958   | 48.566  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.392 | 196  | 121187   | 48.947  | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.709 | 154  | 364654   | 46.823  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.756 | 162  | 281496   | 46.915  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.950 | 65   | 95815    | 44.854  | ng    | 95       |
| 49) Acenaphthylene            | 14.602 | 152  | 458640   | 46.957  | ng    | 99       |
| 50) Dimethylphthalate         | 14.314 | 163  | 337116   | 41.435  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.437 | 165  | 80382    | 45.783  | ng    | 92       |
| 52) Acenaphthene              | 14.942 | 154  | 312767m  | 48.895  | ng    |          |
| 53) 3-Nitroaniline            | 14.766 | 138  | 68949    | 37.782  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.978 | 184  | 76733    | 71.152  | ng    | 96       |
| 55) Dibenzofuran              | 15.271 | 168  | 428452   | 42.591  | ng    | 100      |
| 56) 4-Nitrophenol             | 15.083 | 139  | 128838   | 94.009  | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 15.230 | 165  | 111304   | 44.542  | ng    | # 86     |
| 58) Fluorene                  | 15.924 | 166  | 354100   | 44.094  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.501 | 232  | 107679   | 45.526  | ng    | 97       |
| 60) Diethylphthalate          | 15.671 | 149  | 345541   | 42.043  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.906 | 204  | 195603   | 42.759  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.935 | 138  | 74854    | 38.962  | ng    | 87       |
| 63) Azobenzene                | 16.200 | 77   | 344426   | 40.936  | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.994 | 198  | 53452    | 39.534  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.117 | 169  | 307727   | 49.692  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.799 | 248  | 128867   | 47.147  | ng    | 95       |
| 68) Hexachlorobenzene         | 16.934 | 284  | 142734   | 48.147  | ng    | 94       |
| 69) Atrazine                  | 17.063 | 200  | 120607   | 48.173  | ng    | 94       |
| 70) Pentachlorophenol         | 17.275 | 266  | 163509   | 112.740 | ng    | 97       |
| 71) Phenanthrene              | 17.668 | 178  | 530495   | 45.786  | ng    | 97       |
| 72) Anthracene                | 17.762 | 178  | 533112   | 46.954  | ng    | 100      |
| 73) Carbazole                 | 18.027 | 167  | 473528   | 42.762  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.567 | 149  | 528818   | 43.830  | ng    | 98       |
| 75) Fluoranthene              | 19.671 | 202  | 620214   | 42.039  | ng    | 98       |
| 77) Benzidine                 | 19.836 | 184  | 151576   | 37.441  | ng    | 99       |
| 78) Pyrene                    | 20.030 | 202  | 618266   | 48.768  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.899 | 149  | 206253   | 46.836  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.921 | 228  | 588876   | 46.969  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.821 | 252  | 166370   | 38.011  | ng    | 99       |
| 83) Chrysene                  | 21.992 | 228  | 552692   | 46.520  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.798 | 149  | 293647   | 48.089  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.096 | 149  | 495141   | 48.364  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.435 | 276  | 542950   | 37.311  | ng    | # 81     |
| 88) Benzo(b)fluoranthene      | 24.312 | 252  | 598793   | 48.321  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.383 | 252  | 569363   | 46.510  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.252 | 252  | 581060   | 55.509  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.499 | 278  | 469809   | 39.082  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.686 | 276  | 404176   | 34.259  | ng    | 99       |

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

