

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121622\  
 Data File : BG055997.D  
 Acq On : 16 Dec 2022 17:06  
 Operator : CG/JU  
 Sample : N6037-18MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RB-25-(7-9)MS

Quant Time: Dec 17 01:21:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 17 01:18:54 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/19/2022  
 Supervised By :mohammad ahmed 12/19/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.377  | 152  | 6795     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.209 | 136  | 26206    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.981 | 164  | 24015    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.719 | 188  | 72216    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.031 | 240  | 69509    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.527 | 264  | 85107    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.891  | 112  | 38558    | 133.076 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.501  | 99   | 47577    | 127.672 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.546  | 82   | 30298    | 80.794  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.461 | 330  | 79433    | 137.173 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.612 | 172  | 119277   | 69.658  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.292 | 244  | 311611   | 79.233  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.712  | 88   | 4135     | 49.039  | ng    | 94       |
| 3) Pyridine                   | 4.129  | 79   | 11664    | 42.033  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 4.035  | 42   | 11320    | 45.380  | ng    | 98       |
| 6) Aniline                    | 7.684  | 93   | 16472    | 36.919  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.930  | 128  | 20006    | 53.520  | ng    | 98       |
| 9) Benzaldehyde               | 7.495  | 77   | 12280    | 52.471  | ng    | 98       |
| 10) Phenol                    | 7.531  | 94   | 21567    | 52.880  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.778  | 93   | 12703    | 47.817  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 8.259  | 146  | 23440    | 48.475  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.412  | 146  | 24000    | 48.566  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.735  | 146  | 22774    | 48.222  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.600  | 79   | 18440    | 47.622  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.894  | 45   | 18147    | 52.484  | ng    | 97       |
| 17) 2-Methylphenol            | 8.800  | 107  | 16271    | 50.706  | ng    | 93       |
| 18) Hexachloroethane          | 9.476  | 117  | 7803     | 52.017  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.176  | 70   | 12289    | 46.007  | ng    | # 91     |
| 20) 3+4-Methylphenols         | 9.129  | 107  | 22260    | 48.610  | ng    | 98       |
| 22) Acetophenone              | 9.199  | 105  | 29546    | 45.481  | ng    | 96       |
| 24) Nitrobenzene              | 9.593  | 77   | 19611    | 51.955  | ng    | 98       |
| 25) Isophorone                | 10.110 | 82   | 36369    | 46.251  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.304 | 139  | 12052    | 53.936  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 10.345 | 122  | 20902m   | 55.698  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.586 | 93   | 18514    | 53.272  | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.839 | 162  | 26474    | 49.703  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 11.062 | 180  | 31613    | 45.657  | ng    | 97       |
| 31) Naphthalene               | 11.262 | 128  | 62823    | 45.433  | ng    | 99       |
| 32) Benzoic acid              | 10.468 | 122  | 17768    | 54.409  | ng    | 83       |
| 33) 4-Chloroaniline           | 11.350 | 127  | 11695    | 19.729  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.538 | 225  | 27762    | 42.649  | ng    | 93       |
| 35) Caprolactam               | 12.119 | 113  | 7097m    | 47.822  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.443 | 107  | 25048    | 50.151  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.836 | 142  | 53668    | 43.931  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 13.054 | 142  | 49565    | 41.647  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 13.195 | 216  | 48793    | 48.156  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.171 | 237  | 62807    | 109.264 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.424 | 196  | 31758    | 52.949  | ng    | 91       |

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|-------------------------------|--------|------|----------|---------|-------|----------|-------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.488 | 196  | 34960    | 51.707  | ng    | 99       | 12/19/2022              |
| 46) 1,1'-Biphenyl             | 13.823 | 154  | 79264    | 48.694  | ng    | 99       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 13.870 | 162  | 62986    | 47.621  | ng    | 95       | ahmed                   |
| 48) 2-Nitroaniline            | 14.058 | 65   | 15359    | 58.267  | ng    | 95       |                         |
| 49) Acenaphthylene            | 14.711 | 152  | 104174   | 49.344  | ng    | 98       |                         |
| 50) Dimethylphthalate         | 14.423 | 163  | 93966    | 45.258  | ng    | 98       |                         |
| 51) 2,6-Dinitrotoluene        | 14.540 | 165  | 19182    | 59.702  | ng    | 91       | 12/19/2022              |
| 52) Acenaphthene              | 15.045 | 154  | 77600    | 54.751  | ng    | 93       |                         |
| 53) 3-Nitroaniline            | 14.869 | 138  | 10382    | 31.768  | ng    | # 93     |                         |
| 54) 2,4-Dinitrophenol         | 15.075 | 184  | 27782    | 116.312 | ng    | # 77     |                         |
| 55) Dibenzofuran              | 15.374 | 168  | 113663   | 47.690  | ng    | 99       |                         |
| 56) 4-Nitrophenol             | 15.157 | 139  | 30576    | 116.753 | ng    | 93       |                         |
| 57) 2,4-Dinitrotoluene        | 15.322 | 165  | 28225    | 58.198  | ng    | 90       |                         |
| 58) Fluorene                  | 16.021 | 166  | 92006    | 47.224  | ng    | 96       |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.592 | 232  | 41986    | 54.357  | ng    | 98       |                         |
| 60) Diethylphthalate          | 15.774 | 149  | 91927    | 45.299  | ng    | 99       |                         |
| 61) 4-Chlorophenyl-phenyle... | 16.003 | 204  | 62990    | 47.459  | ng    | 99       |                         |
| 62) 4-Nitroaniline            | 16.033 | 138  | 18653    | 52.411  | ng    | 99       |                         |
| 63) Azobenzene                | 16.297 | 77   | 57991    | 46.950  | ng    | 100      |                         |
| 65) 4,6-Dinitro-2-methylph... | 16.085 | 198  | 18481    | 53.572  | ng    | 95       |                         |
| 66) n-Nitrosodiphenylamine    | 16.215 | 169  | 86613    | 45.768  | ng    | 98       |                         |
| 67) 4-Bromophenyl-phenylether | 16.896 | 248  | 48375    | 45.715  | ng    | 96       |                         |
| 68) Hexachlorobenzene         | 17.020 | 284  | 60140    | 46.140  | ng    | 97       |                         |
| 69) Atrazine                  | 17.149 | 200  | 43984    | 51.330  | ng    | 97       |                         |
| 70) Pentachlorophenol         | 17.360 | 266  | 78001    | 104.678 | ng    | 95       |                         |
| 71) Phenanthrene              | 17.760 | 178  | 175377   | 46.341  | ng    | 99       |                         |
| 72) Anthracene                | 17.854 | 178  | 175212   | 46.797  | ng    | 99       |                         |
| 73) Carbazole                 | 18.112 | 167  | 140343   | 45.449  | ng    | 99       |                         |
| 74) Di-n-butylphthalate       | 18.647 | 149  | 154880   | 43.129  | ng    | 100      |                         |
| 75) Fluoranthene              | 19.752 | 202  | 224875   | 42.434  | ng    | 100      |                         |
| 77) Benzidine                 | 19.916 | 184  | 94738    | 77.610  | ng    | 99       |                         |
| 78) Pyrene                    | 20.110 | 202  | 232932   | 55.380  | ng    | 99       |                         |
| 80) Butylbenzylphthalate      | 20.980 | 149  | 59825    | 50.196  | ng    | 98       |                         |
| 81) Benzo(a)anthracene        | 22.008 | 228  | 245361   | 50.164  | ng    | 99       |                         |
| 82) 3,3'-Dichlorobenzidine    | 21.902 | 252  | 51051    | 29.010  | ng    | 98       |                         |
| 83) Chrysene                  | 22.078 | 228  | 229174   | 49.993  | ng    | 99       |                         |
| 84) Bis(2-ethylhexyl)phtha... | 21.885 | 149  | 86238    | 48.703  | ng    | 96       |                         |
| 85) Di-n-octyl phthalate      | 23.195 | 149  | 146243   | 48.689  | ng    | 99       |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 29.576 | 276  | 320065   | 46.767  | ng    | 100      |                         |
| 88) Benzo(b)fluoranthene      | 24.411 | 252  | 266739   | 48.427  | ng    | 99       |                         |
| 89) Benzo(k)fluoranthene      | 24.487 | 252  | 260557   | 47.413  | ng    | 99       |                         |
| 90) Benzo(a)pyrene            | 25.369 | 252  | 240219   | 51.595  | ng    | 99       |                         |
| 91) Dibenzo(a,h)anthracene    | 29.646 | 278  | 264523   | 46.179  | ng    | 99       |                         |
| 92) Benzo(g,h,i)perylene      | 30.845 | 276  | 262847   | 47.460  | ng    | 98       |                         |

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

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