

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021323\  
 Data File : BG056622.D  
 Acq On : 13 Feb 2023 16:42  
 Operator : CG/JU  
 Sample : 01529-05MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-01-5.0-7.0MS

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Feb 14 02:06:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 10 22:46:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|---------|-------|----------|----------------------------------|
| Internal Standards            |        |      |          |         |       |          | 02/14/2023                       |
| 1) 1,4-Dichlorobenzene-d4     | 8.205  | 152  | 40855    | 20.000  | ng    | 0.00     | Supervised By :Jagrut<br>padhyay |
| 21) Naphthalene-d8            | 11.043 | 136  | 151306   | 20.000  | ng    | 0.00     |                                  |
| 39) Acenaphthene-d10          | 14.838 | 164  | 111933   | 20.000  | ng    | 0.00     |                                  |
| 64) Phenanthrene-d10          | 17.576 | 188  | 261731   | 20.000  | ng    | 0.00     |                                  |
| 76) Chrysene-d12              | 21.860 | 240  | 241291   | 20.000  | ng    | 0.00     |                                  |
| 86) Perylene-d12              | 25.232 | 264  | 265118   | 20.000  | ng    | 0.00     | 02/14/2023                       |
| System Monitoring Compounds   |        |      |          |         |       |          |                                  |
| 5) 2-Fluorophenol             | 5.737  | 112  | 263026   | 118.433 | ng    | 0.00     |                                  |
| 7) Phenol-d6                  | 7.371  | 99   | 357900   | 108.763 | ng    | 0.00     |                                  |
| 23) Nitrobenzene-d5           | 9.386  | 82   | 192613   | 72.287  | ng    | 0.00     |                                  |
| 42) 2,4,6-Tribromophenol      | 16.325 | 330  | 153471   | 103.133 | ng    | 0.00     |                                  |
| 45) 2-Fluorobiphenyl          | 13.464 | 172  | 578764   | 71.687  | ng    | 0.00     |                                  |
| 79) Terphenyl-d14             | 20.156 | 244  | 946701   | 68.911  | ng    | 0.00     |                                  |
| Target Compounds              |        |      |          |         |       |          | Qvalue                           |
| 2) 1,4-Dioxane                | 3.499  | 88   | 39856    | 43.098  | ng    |          | 95                               |
| 3) Pyridine                   | 3.928  | 79   | 104375   | 37.863  | ng    |          | 98                               |
| 4) n-Nitrosodimethylamine     | 3.839  | 42   | 26477    | 45.165  | ng    | #        | 94                               |
| 6) Aniline                    | 7.523  | 93   | 87302    | 20.264  | ng    |          | 98                               |
| 8) 2-Chlorophenol             | 7.770  | 128  | 125056   | 51.258  | ng    |          | 98                               |
| 9) Benzaldehyde               | 7.335  | 77   | 63480m   | 43.373  | ng    |          |                                  |
| 10) Phenol                    | 7.394  | 94   | 162613   | 48.621  | ng    |          | 98                               |
| 11) bis(2-Chloroethyl)ether   | 7.612  | 93   | 103744   | 45.129  | ng    |          | 97                               |
| 12) 1,3-Dichlorobenzene       | 8.093  | 146  | 144192   | 51.331  | ng    |          | 99                               |
| 13) 1,4-Dichlorobenzene       | 8.246  | 146  | 144283   | 50.718  | ng    |          | 99                               |
| 14) 1,2-Dichlorobenzene       | 8.569  | 146  | 137733   | 49.902  | ng    |          | 96                               |
| 15) Benzyl Alcohol            | 8.452  | 79   | 99815m   | 44.211  | ng    |          |                                  |
| 16) 2,2'-oxybis(1-Chloropr... | 8.734  | 45   | 23104    | 47.433  | ng    |          | 95                               |
| 17) 2-Methylphenol            | 8.663  | 107  | 114624   | 45.050  | ng    |          | 97                               |
| 18) Hexachloroethane          | 9.304  | 117  | 43946    | 51.075  | ng    |          | 97                               |
| 19) n-Nitroso-di-n-propyla... | 9.016  | 70   | 75420    | 39.771  | ng    |          | 98                               |
| 20) 3+4-Methylphenols         | 8.992  | 107  | 153181   | 42.959  | ng    |          | 96                               |
| 22) Acetophenone              | 9.039  | 105  | 184906   | 45.994  | ng    |          | 99                               |
| 24) Nitrobenzene              | 9.433  | 77   | 119156   | 46.362  | ng    |          | 100                              |
| 25) Isophorone                | 9.950  | 82   | 230920   | 42.008  | ng    |          | 99                               |
| 26) 2-Nitrophenol             | 10.150 | 139  | 75758    | 48.582  | ng    |          | 99                               |
| 27) 2,4-Dimethylphenol        | 10.203 | 122  | 129927m  | 49.785  | ng    |          |                                  |
| 28) bis(2-Chloroethoxy)met... | 10.426 | 93   | 138209   | 45.512  | ng    |          | 98                               |
| 29) 2,4-Dichlorophenol        | 10.696 | 162  | 146399   | 49.836  | ng    |          | 98                               |
| 30) 1,2,4-Trichlorobenzene    | 10.902 | 180  | 164216   | 50.305  | ng    |          | 97                               |
| 31) Naphthalene               | 11.096 | 128  | 436741   | 54.688  | ng    |          | 99                               |
| 32) Benzoic acid              | 10.379 | 122  | 39636m   | 27.146  | ng    |          |                                  |
| 33) 4-Chloroaniline           | 11.207 | 127  | 65831    | 17.660  | ng    |          | 97                               |
| 34) Hexachlorobutadiene       | 11.360 | 225  | 113974   | 49.740  | ng    |          | 97                               |
| 35) Caprolactam               | 11.989 | 113  | 39374m   | 39.743  | ng    |          |                                  |
| 36) 4-Chloro-3-methylphenol   | 12.318 | 107  | 129326   | 45.587  | ng    |          | 97                               |
| 37) 2-Methylnaphthalene       | 12.682 | 142  | 306878   | 46.611  | ng    |          | 99                               |
| 38) 1-Methylnaphthalene       | 12.899 | 142  | 280861   | 45.677  | ng    |          | 98                               |
| 40) 1,2,4,5-Tetrachloroben... | 13.046 | 216  | 210848   | 51.561  | ng    |          | 99                               |
| 41) Hexachlorocyclopentadiene | 13.017 | 237  | 139422   | 65.565  | ng    |          | 96                               |
| 43) 2,4,6-Trichlorophenol     | 13.287 | 196  | 131191   | 49.783  | ng    |          | 99                               |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.370 | 196  | 138401   | 44.857  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.675 | 154  | 411048   | 50.630  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.728 | 162  | 322045   | 50.748  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.928 | 65   | 61077    | 46.558  | ng    | 97       |
| 49) Acenaphthylene            | 14.568 | 152  | 496156   | 48.056  | ng    | 99       |
| 50) Dimethylphthalate         | 14.280 | 163  | 399186   | 44.081  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.415 | 165  | 90222    | 45.686  | ng    | 99       |
| 52) Acenaphthene              | 14.903 | 154  | 385756   | 63.005  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.744 | 138  | 53716    | 28.057  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.968 | 184  | 89356m   | 72.174  | ng    |          |
| 55) Dibenzofuran              | 15.238 | 168  | 591348   | 53.856  | ng    | 99       |
| 56) 4-Nitrophenol             | 15.073 | 139  | 107759   | 82.371  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.203 | 165  | 125700   | 45.188  | ng    | 99       |
| 58) Fluorene                  | 15.884 | 166  | 512700   | 58.681  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.467 | 232  | 121282   | 44.210  | ng    | 98       |
| 60) Diethylphthalate          | 15.632 | 149  | 369393   | 43.440  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.861 | 204  | 242645   | 45.513  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.908 | 138  | 77261    | 40.329  | ng    | 99       |
| 63) Azobenzene                | 16.154 | 77   | 284134   | 48.561  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.972 | 198  | 73154    | 39.755  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 16.078 | 169  | 359300   | 48.486  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.754 | 248  | 163874   | 48.909  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.889 | 284  | 168401   | 51.316  | ng    | 99       |
| 69) Atrazine                  | 17.018 | 200  | 148493   | 51.942  | ng    | 99       |
| 70) Pentachlorophenol         | 17.236 | 266  | 118704   | 59.780  | ng    | 97       |
| 71) Phenanthrene              | 17.623 | 178  | 1755444  | 128.148 | ng    | 99       |
| 72) Anthracene                | 17.717 | 178  | 996774   | 70.885  | ng    | 98       |
| 73) Carbazole                 | 17.982 | 167  | 705122   | 58.876  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.505 | 149  | 583886   | 46.432  | ng    | 100      |
| 75) Fluoranthene              | 19.621 | 202  | 2094753  | 121.160 | ng    | 97       |
| 77) Benzidine                 | 19.785 | 184  | 301919   | 46.238  | ng    | 98       |
| 78) Pyrene                    | 19.985 | 202  | 1855399  | 108.116 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.831 | 149  | 245043   | 46.754  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.842 | 228  | 1446773  | 85.765  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.742 | 252  | 150785   | 24.822  | ng    | 99       |
| 83) Chrysene                  | 21.912 | 228  | 1278729  | 80.686  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.695 | 149  | 351142   | 46.730  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.947 | 149  | 588313   | 47.013  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.151 | 276  | 1253602  | 64.595  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 24.169 | 252  | 1421542  | 86.386  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.233 | 252  | 1138752m | 68.541  | ng    |          |
| 90) Benzo(a)pyrene            | 25.091 | 252  | 1228067  | 75.761  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.192 | 278  | 876479   | 53.804  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.367 | 276  | 1031768  | 65.641  | ng    | 99       |

02/14/2023  
 Supervised By :Jagrut  
 Upadhyay

02/14/2023

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

