

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062922\  
 Data File : BG054160.D  
 Acq On : 30 Jun 2022 00:52  
 Operator : CG/JU  
 Sample : N3516-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-1MSD

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 06/30/2022  
 Supervised By : Jagrut Upadhyay 07/01/2022

Quant Time: Jun 30 05:34:11 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 00:27:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 19915    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.879 | 136  | 81128    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.698 | 164  | 63399    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 167245   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.719 | 240  | 177386   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.974 | 264  | 185776   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.638  | 112  | 141698   | 136.035 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.236  | 99   | 193162   | 136.699 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.228  | 82   | 122907   | 85.136  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.185 | 330  | 145331   | 142.675 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.317 | 172  | 336754   | 77.239  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.045 | 244  | 693583   | 78.751  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.517  | 88   | 16778    | 36.847  | ng    | 90       |
| 3) Pyridine                   | 3.917  | 79   | 46217    | 38.036  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.828  | 42   | 27739    | 51.900  | ng    | 93       |
| 6) Aniline                    | 7.389  | 93   | 56737    | 33.866  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.636  | 128  | 61535    | 55.328  | ng    | 92       |
| 9) Benzaldehyde               | 7.201  | 77   | 37854    | 45.391  | ng    | # 78     |
| 10) Phenol                    | 7.260  | 94   | 76425    | 53.368  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.483  | 93   | 52136    | 47.432  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.959  | 146  | 66068    | 47.407  | ng    | 92       |
| 13) 1,4-Dichlorobenzene       | 8.100  | 146  | 67710    | 48.367  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.423  | 146  | 67441    | 50.184  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.300  | 79   | 57703    | 54.637  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.588  | 45   | 79037    | 48.101  | ng    | 99       |
| 17) 2-Methylphenol            | 8.511  | 107  | 52794    | 53.070  | ng    | 94       |
| 18) Hexachloroethane          | 9.157  | 117  | 23160    | 49.870  | ng    | # 79     |
| 19) n-Nitroso-di-n-propyla... | 8.870  | 70   | 45431    | 47.856  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.840  | 107  | 72028    | 51.629  | ng    | 97       |
| 22) Acetophenone              | 8.887  | 105  | 90060    | 45.669  | ng    | # 97     |
| 24) Nitrobenzene              | 9.269  | 77   | 68830    | 48.417  | ng    | # 86     |
| 25) Isophorone                | 9.792  | 82   | 127943   | 47.453  | ng    | # 94     |
| 26) 2-Nitrophenol             | 9.986  | 139  | 35059    | 55.834  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 10.045 | 122  | 58922    | 57.976  | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 10.274 | 93   | 73370    | 50.513  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.526 | 162  | 73074    | 53.626  | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 10.738 | 180  | 79083    | 46.871  | ng    | # 97     |
| 31) Naphthalene               | 10.926 | 128  | 188408   | 46.003  | ng    | 98       |
| 32) Benzoic acid              | 10.192 | 122  | 31052    | 64.927  | ng    | # 79     |
| 33) 4-Chloroaniline           | 11.032 | 127  | 43224    | 25.440  | ng    | # 91     |
| 34) Hexachlorobutadiene       | 11.214 | 225  | 60781    | 46.855  | ng    | 95       |
| 35) Caprolactam               | 11.801 | 113  | 20528m   | 54.723  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.154 | 107  | 70670    | 53.350  | ng    | 88       |
| 37) 2-Methylnaphthalene       | 12.530 | 142  | 142526   | 47.036  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.747 | 142  | 135431   | 45.902  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.900 | 216  | 114037   | 46.681  | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 12.877 | 237  | 95343    | 83.816  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.135 | 196  | 71210    | 51.893  | ng    | 97       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.212 | 196  | 78778    | 51.415  | ng    | # 94     |
| 46) 1,1'-Biphenyl             | 13.529 | 154  | 207477   | 46.982  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.576 | 162  | 167832   | 46.960  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.770 | 65   | 49961    | 52.552  | ng    | # 86     |
| 49) Acenaphthylene            | 14.422 | 152  | 263141   | 47.350  | ng    | 99       |
| 50) Dimethylphthalate         | 14.146 | 163  | 221275   | 45.828  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.263 | 165  | 50473    | 51.739  | ng    | # 77     |
| 52) Acenaphthene              | 14.757 | 154  | 157739   | 44.528  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.592 | 138  | 31507    | 33.337  | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 14.804 | 184  | 54344    | 99.111  | ng    | # 78     |
| 55) Dibenzofuran              | 15.092 | 168  | 271873   | 47.634  | ng    | 96       |
| 56) 4-Nitrophenol             | 14.910 | 139  | 74757    | 111.412 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 15.051 | 165  | 73909    | 53.645  | ng    | # 82     |
| 58) Fluorene                  | 15.744 | 166  | 224720   | 47.954  | ng    | 94       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 78874    | 52.639  | ng    | # 89     |
| 60) Diethylphthalate          | 15.503 | 149  | 218831   | 46.799  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.732 | 204  | 136792   | 48.758  | ng    | # 89     |
| 62) 4-Nitroaniline            | 15.756 | 138  | 44343    | 44.990  | ng    | # 76     |
| 63) Azobenzene                | 16.020 | 77   | 180651   | 47.996  | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 41939    | 50.263  | ng    | 81       |
| 66) n-Nitrosodiphenylamine    | 15.944 | 169  | 202197   | 46.389  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.625 | 248  | 100838   | 48.275  | ng    | 92       |
| 68) Hexachlorobenzene         | 16.749 | 284  | 113711   | 47.590  | ng    | # 93     |
| 69) Atrazine                  | 16.890 | 200  | 96537    | 53.465  | ng    | 96       |
| 70) Pentachlorophenol         | 17.095 | 266  | 118422   | 106.696 | ng    | 96       |
| 71) Phenanthrene              | 17.483 | 178  | 417013   | 48.532  | ng    | 97       |
| 72) Anthracene                | 17.571 | 178  | 400088   | 47.682  | ng    | 99       |
| 73) Carbazole                 | 17.841 | 167  | 345146   | 47.922  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.394 | 149  | 392851   | 47.176  | ng    | # 97     |
| 75) Fluoranthene              | 19.492 | 202  | 601999   | 53.370  | ng    | 97       |
| 77) Benzidine                 | 19.663 | 184  | 201852   | 54.949  | ng    | 97       |
| 78) Pyrene                    | 19.851 | 202  | 592876   | 55.338  | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.732 | 149  | 170555   | 49.666  | ng    | # 89     |
| 81) Benzo(a)anthracene        | 21.696 | 228  | 592466   | 51.584  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.608 | 252  | 133188   | 38.813  | ng    | 96       |
| 83) Chrysene                  | 21.766 | 228  | 547435   | 50.003  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.596 | 149  | 248127   | 50.520  | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 22.818 | 149  | 419370   | 49.679  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.711 | 276  | 696407   | 49.674  | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 23.940 | 252  | 635393   | 56.251  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.011 | 252  | 566070   | 50.615  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.821 | 252  | 548805   | 57.584  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 28.764 | 278  | 560134   | 48.316  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 29.874 | 276  | 599178   | 52.372  | ng    | 95       |

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

