

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100623\  
 Data File : BF135628.D  
 Acq On : 06 Oct 2023 14:39  
 Operator : CG\JU  
 Sample : 04714-03MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023  
 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 06 15:33:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 144142   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 546080   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.780  | 164  | 280118   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.274 | 188  | 538606   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 294429   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.398 | 264  | 299651   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 1188380  | 134.093 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.404  | 99   | 1453357  | 128.969 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 991783   | 98.672  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.580 | 330  | 379868   | 136.462 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1621854  | 87.353  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 1707194  | 89.885  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.651  | 88   | 196574   | 50.597  | ng    | # 80     |
| 3) Pyridine                   | 3.387  | 79   | 409783   | 39.190  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.316  | 42   | 308513   | 55.601  | ng    | 95       |
| 6) Aniline                    | 6.416  | 93   | 269461   | 18.235  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.534  | 128  | 519792   | 54.943  | ng    | 99       |
| 9) Benzaldehyde               | 6.304  | 77   | 202109   | 31.482  | ng    | 97       |
| 10) Phenol                    | 6.416  | 94   | 564367   | 45.672  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.487  | 93   | 571375   | 61.643  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 479207   | 49.841  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 480196   | 49.089  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.910  | 146  | 439116   | 48.338  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 425807   | 52.656  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 863551   | 49.427  | ng    | 61       |
| 17) 2-Methylphenol            | 7.016  | 107  | 389848   | 46.696  | ng    | # 87     |
| 18) Hexachloroethane          | 7.239  | 117  | 178569   | 49.405  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 7.163  | 70   | 333928   | 47.840  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 497758   | 49.583  | ng    | # 69     |
| 22) Acetophenone              | 7.157  | 105  | 671026   | 53.747  | ng    | # 90     |
| 24) Nitrobenzene              | 7.328  | 77   | 532583   | 53.609  | ng    | 98       |
| 25) Isophorone                | 7.569  | 82   | 982845   | 53.251  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.645  | 139  | 270827   | 56.800  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.686  | 122  | 395718   | 49.375  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 612271   | 55.424  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.892  | 162  | 415922   | 56.005  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 409679   | 52.778  | ng    | 99       |
| 31) Naphthalene               | 8.039  | 128  | 1372951  | 51.746  | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 341518   | 56.589  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 114022m  | 9.795   | ng    |          |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 230059   | 49.152  | ng    | 99       |
| 35) Caprolactam               | 8.492  | 113  | 134212m  | 53.848  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.604  | 107  | 457566   | 55.436  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.733  | 142  | 883535   | 49.539  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.833  | 142  | 843627   | 50.523  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 418380   | 51.555  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.880  | 237  | 212322   | 61.281  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 285036   | 53.645  | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 299788   | 48.993  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.204  | 154  | 1119101  | 51.987  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.227  | 162  | 840080   | 53.786  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.333  | 65   | 342322   | 56.416  | ng    | 96       |
| 49) Acenaphthylene            | 9.639  | 152  | 1337617  | 51.531  | ng    | 100      |
| 50) Dimethylphthalate         | 9.510  | 163  | 1015612  | 53.626  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.580  | 165  | 220604   | 53.172  | ng    | 98       |
| 52) Acenaphthene              | 9.816  | 154  | 796139   | 51.919  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.751  | 138  | 125417   | 25.753  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.875  | 184  | 239823   | 100.119 | ng    | 95       |
| 55) Dibenzofuran              | 9.986  | 168  | 1121885  | 47.944  | ng    | 96       |
| 56) 4-Nitrophenol             | 9.945  | 139  | 254938   | 82.366  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 262035   | 50.449  | ng    | # 84     |
| 58) Fluorene                  | 10.333 | 166  | 918161   | 51.041  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 248785   | 52.855  | ng    | 99       |
| 60) Diethylphthalate          | 10.210 | 149  | 999206   | 52.571  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 425749   | 49.269  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.374 | 138  | 234624   | 50.119  | ng    | 99       |
| 63) Azobenzene                | 10.486 | 77   | 1004497  | 54.000  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198  | 155656   | 54.412  | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.451 | 169  | 853050   | 52.315  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 271815   | 50.742  | ng    | 98       |
| 68) Hexachlorobenzene         | 10.880 | 284  | 292087   | 53.521  | ng    | # 91     |
| 69) Atrazine                  | 10.986 | 200  | 268721   | 61.247  | ng    | 98       |
| 70) Pentachlorophenol         | 11.086 | 266  | 284228   | 87.049  | ng    | 99       |
| 71) Phenanthrene              | 11.298 | 178  | 1341999  | 52.682  | ng    | 99       |
| 72) Anthracene                | 11.351 | 178  | 1368524  | 52.265  | ng    | 100      |
| 73) Carbazole                 | 11.516 | 167  | 1297382  | 54.429  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 1570428  | 55.913  | ng    | 99       |
| 75) Fluoranthene              | 12.492 | 202  | 1416929  | 53.382  | ng    | 98       |
| 77) Benzidine                 | 12.621 | 184  | 202030   | 33.493  | ng    | 99       |
| 78) Pyrene                    | 12.727 | 202  | 1437989  | 51.298  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.345 | 149  | 591489   | 59.931  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.921 | 228  | 1048154  | 55.131  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.886 | 252  | 213618   | 35.972  | ng    | 98       |
| 83) Chrysene                  | 13.962 | 228  | 972894   | 51.469  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.904 | 149  | 753512   | 74.400  | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 1130188  | 70.219  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.898 | 276  | 1018151  | 51.822  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.974 | 252  | 899169m  | 55.432  | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.004 | 252  | 841043   | 52.488  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.339 | 252  | 792743   | 51.247  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.903 | 278  | 820687   | 51.052  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 855547   | 50.959  | ng    | 97       |

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

