

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091622\  
 Data File : BF130296.D  
 Acq On : 16 Sep 2022 18:20  
 Operator : CG\JU  
 Sample : N4663-07MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-43MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022  
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 17 03:26:40 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 17 03:22:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.669  | 152  | 93229    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.951  | 136  | 359319   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.698  | 164  | 170827   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.180 | 188  | 242788   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.810 | 240  | 146680   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.198 | 264  | 186348   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.269  | 112  | 249423   | 46.404 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.298  | 99   | 203380   | 30.240 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.239  | 82   | 572433   | 81.389 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.486 | 330  | 132078   | 80.690 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.028  | 172  | 1005487  | 85.711 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.763 | 244  | 613189   | 69.249 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.340  | 88   | 40072    | 16.233 | ng    | 96       |
| 3) Pyridine                   | 3.022  | 79   | 154102   | 23.931 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 2.969  | 42   | 58821    | 16.795 | ng    | 98       |
| 6) Aniline                    | 6.334  | 93   | 317452   | 38.309 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.451  | 128  | 176592   | 28.841 | ng    | 92       |
| 9) Benzaldehyde               | 6.216  | 77   | 178542   | 39.632 | ng    | 96       |
| 10) Phenol                    | 6.310  | 94   | 99469    | 12.620 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.410  | 93   | 254281   | 44.729 | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.610  | 146  | 271415   | 40.286 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.686  | 146  | 277476   | 40.387 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.839  | 146  | 266218   | 41.480 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.816  | 79   | 100022   | 18.758 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.951  | 45   | 337943   | 40.758 | ng    | 94       |
| 17) 2-Methylphenol            | 6.928  | 107  | 121609   | 24.432 | ng    | 98       |
| 18) Hexachloroethane          | 7.181  | 117  | 107814   | 39.811 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.086  | 70   | 196758   | 43.356 | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.081  | 107  | 132522   | 20.496 | ng    | # 56     |
| 22) Acetophenone              | 7.081  | 105  | 398231   | 45.332 | ng    | 93       |
| 24) Nitrobenzene              | 7.257  | 77   | 300011   | 42.009 | ng    | 95       |
| 25) Isophorone                | 7.492  | 82   | 521343   | 45.990 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.569  | 139  | 100506   | 34.331 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.610  | 122  | 185761   | 41.210 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.710  | 93   | 310738   | 48.681 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.810  | 162  | 157687   | 31.923 | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 7.892  | 180  | 218809   | 40.971 | ng    | 96       |
| 31) Naphthalene               | 7.975  | 128  | 774101   | 41.817 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.028  | 127  | 287682   | 40.861 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.092  | 225  | 138254   | 40.507 | ng    | 97       |
| 35) Caprolactam               | 8.375  | 113  | 8217m    | 5.803  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.504  | 107  | 172337   | 31.476 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.663  | 142  | 499322   | 42.305 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.763  | 142  | 473374   | 41.750 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.828  | 216  | 219328   | 47.046 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.816  | 237  | 229486   | 91.943 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.939  | 196  | 73968    | 22.734 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 8.975  | 196  | 100945   | 28.751 | ng    | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.128  | 154  | 603561   | 47.308 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.151  | 162  | 461966   | 44.762 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.251  | 65   | 141518   | 41.113 | ng    | 92       |
| 49) Acenaphthylene            | 9.563  | 152  | 687943   | 44.458 | ng    | 99       |
| 50) Dimethylphthalate         | 9.433  | 163  | 519035   | 43.986 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.492  | 165  | 111864   | 45.329 | ng    | 96       |
| 52) Acenaphthene              | 9.739  | 154  | 539708   | 53.085 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.663  | 138  | 104732   | 38.086 | ng    | 88       |
| 55) Dibenzofuran              | 9.904  | 168  | 618475   | 43.735 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.822  | 139  | 9115m    | 4.551  | ng    |          |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 139581   | 44.256 | ng    | 88       |
| 58) Fluorene                  | 10.245 | 166  | 519281   | 44.900 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.022 | 232  | 32781    | 11.929 | ng    | # 74     |
| 60) Diethylphthalate          | 10.127 | 149  | 490390   | 41.442 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.245 | 204  | 222153   | 43.788 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.269 | 138  | 97862    | 35.426 | ng    | 96       |
| 63) Azobenzene                | 10.404 | 77   | 469319   | 38.517 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.363 | 169  | 403962   | 49.791 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.733 | 248  | 132636   | 49.522 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.786 | 284  | 150020   | 49.412 | ng    | # 91     |
| 69) Atrazine                  | 10.892 | 200  | 110841   | 46.749 | ng    | 96       |
| 70) Pentachlorophenol         | 10.986 | 266  | 32290    | 19.817 | ng    | 99       |
| 71) Phenanthrene              | 11.204 | 178  | 598006   | 43.871 | ng    | 100      |
| 72) Anthracene                | 11.257 | 178  | 607162   | 46.157 | ng    | 99       |
| 73) Carbazole                 | 11.416 | 167  | 508474   | 42.831 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.751 | 149  | 610858   | 42.670 | ng    | 99       |
| 75) Fluoranthene              | 12.386 | 202  | 509965   | 38.717 | ng    | 97       |
| 77) Benzidine                 | 12.516 | 184  | 385024   | 90.424 | ng    | 100      |
| 78) Pyrene                    | 12.610 | 202  | 495540   | 38.619 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.239 | 149  | 202066   | 42.508 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.798 | 228  | 435365   | 44.617 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.768 | 252  | 136786   | 51.497 | ng    | # 97     |
| 83) Chrysene                  | 13.833 | 228  | 413721   | 44.654 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.804 | 149  | 261884   | 48.097 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.410 | 149  | 472543   | 56.741 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.527 | 276  | 652996   | 49.414 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.810 | 252  | 550283   | 45.243 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.839 | 252  | 513464   | 42.915 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.139 | 252  | 475466   | 49.343 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.545 | 278  | 565643   | 52.178 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 16.927 | 276  | 559314   | 51.217 | ng    | 98       |

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

