

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020223\  
 Data File : BF132299.D  
 Acq On : 02 Feb 2023 19:06  
 Operator : CG\JU  
 Sample : 01386-04MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 03 00:24:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 02 01:30:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian  
 Giraldo

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.066  | 152  | 208482   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.354  | 136  | 799541   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.119 | 164  | 399491   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 693348   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.277 | 240  | 310300   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 15.866 | 264  | 387788   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.713  | 112  | 1412654  | 108.916 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.690  | 99   | 1654233  | 103.452 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.637  | 82   | 1152149  | 80.188  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.919 | 330  | 566820   | 137.972 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.431  | 172  | 1980092  | 76.541  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.213 | 244  | 1720043  | 107.227 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 3.231  | 88   | 232363m  | 38.074  | ng    | Qvalue   |
| 3) Pyridine                   | 3.890  | 79   | 526676   | 31.811  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.837  | 42   | 197647   | 37.308  | ng    | 93       |
| 6) Aniline                    | 6.731  | 93   | 199559m  | 9.197   | ng    |          |
| 8) 2-Chlorophenol             | 6.854  | 128  | 636542   | 47.385  | ng    | 96       |
| 9) Benzaldehyde               | 6.619  | 77   | 338513   | 36.867  | ng    | 100      |
| 10) Phenol                    | 6.701  | 94   | 602532   | 36.405  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.801  | 93   | 601946   | 44.192  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.007  | 146  | 578270   | 40.701  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.084  | 146  | 590585   | 41.643  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.237  | 146  | 574188   | 43.413  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.207  | 79   | 490320   | 42.024  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.337  | 45   | 575268   | 40.085  | ng    | 94       |
| 17) 2-Methylphenol            | 7.307  | 107  | 480913   | 40.898  | ng    | 99       |
| 18) Hexachloroethane          | 7.584  | 117  | 217692   | 40.917  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.478  | 70   | 345972   | 38.091  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.460  | 107  | 586263   | 39.063  | ng    | 95       |
| 22) Acetophenone              | 7.478  | 105  | 777778   | 41.365  | ng    | 98       |
| 24) Nitrobenzene              | 7.654  | 77   | 584402   | 39.813  | ng    | 94       |
| 25) Isophorone                | 7.890  | 82   | 1121183  | 41.113  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.966  | 139  | 343724   | 48.074  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.995  | 122  | 544987   | 43.548  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 8.095  | 93   | 734411   | 43.823  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.207  | 162  | 501345   | 45.122  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.290  | 180  | 520840   | 43.775  | ng    | 97       |
| 31) Naphthalene               | 8.378  | 128  | 1598778  | 40.624  | ng    | 99       |
| 32) Benzoic acid              | 8.072  | 122  | 162593m  | 17.552  | ng    |          |
| 33) 4-Chloroaniline           | 8.419  | 127  | 57926    | 3.319   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.490  | 225  | 289983   | 43.353  | ng    | 100      |
| 35) Caprolactam               | 8.790  | 113  | 141420m  | 37.335  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.895  | 107  | 527719   | 44.087  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 9.072  | 142  | 1087724  | 40.803  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.172  | 142  | 1013037  | 40.892  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.237  | 216  | 500377   | 44.509  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.225  | 237  | 579921   | 88.416  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.342  | 196  | 367090   | 45.680  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|-----------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.384  | 196  | 391115   | 42.285 | ng    | 99       | 02/03/2023                        |
| 46) 1,1'-Biphenyl             | 9.537  | 154  | 1312769  | 42.624 | ng    | 97       | Supervised By :Jagrut<br>Upadhyay |
| 47) 2-Chloronaphthalene       | 9.566  | 162  | 1027243  | 43.791 | ng    | 99       |                                   |
| 48) 2-Nitroaniline            | 9.654  | 65   | 267391   | 38.328 | ng    | 86       |                                   |
| 49) Acenaphthylene            | 9.984  | 152  | 1609940  | 42.052 | ng    | 99       |                                   |
| 50) Dimethylphthalate         | 9.831  | 163  | 1229838  | 44.010 | ng    | 98       |                                   |
| 51) 2,6-Dinitrotoluene        | 9.895  | 165  | 286829   | 45.958 | ng    | 92       | 02/03/2023                        |
| 52) Acenaphthene              | 10.154 | 154  | 1005739  | 41.961 | ng    | 99       |                                   |
| 53) 3-Nitroaniline            | 10.066 | 138  | 113699   | 15.022 | ng    | 91       |                                   |
| 54) 2,4-Dinitrophenol         | 10.166 | 184  | 128258   | 37.862 | ng    | # 43     |                                   |
| 55) Dibenzofuran              | 10.331 | 168  | 1409110  | 41.843 | ng    | 98       |                                   |
| 56) 4-Nitrophenol             | 10.219 | 139  | 400593   | 70.336 | ng    | 96       |                                   |
| 57) 2,4-Dinitrotoluene        | 10.301 | 165  | 372672   | 45.968 | ng    | 95       |                                   |
| 58) Fluorene                  | 10.672 | 166  | 1069176  | 41.253 | ng    | 99       |                                   |
| 59) 2,3,4,6-Tetrachlorophenol | 10.442 | 232  | 308355   | 45.729 | ng    | 98       |                                   |
| 60) Diethylphthalate          | 10.536 | 149  | 1235906  | 44.458 | ng    | 98       |                                   |
| 61) 4-Chlorophenyl-phenyle... | 10.660 | 204  | 536757   | 43.639 | ng    | 97       |                                   |
| 62) 4-Nitroaniline            | 10.689 | 138  | 258471   | 35.613 | ng    | 99       |                                   |
| 63) Azobenzene                | 10.825 | 77   | 1047427  | 38.681 | ng    | 94       |                                   |
| 65) 4,6-Dinitro-2-methylph... | 10.713 | 198  | 126875   | 32.241 | ng    | 91       |                                   |
| 66) n-Nitrosodiphenylamine    | 10.778 | 169  | 962900   | 44.351 | ng    | 99       |                                   |
| 67) 4-Bromophenyl-phenylether | 11.154 | 248  | 343116   | 48.327 | ng    | 97       |                                   |
| 68) Hexachlorobenzene         | 11.225 | 284  | 382273   | 50.375 | ng    | 95       |                                   |
| 69) Atrazine                  | 11.307 | 200  | 325968   | 52.198 | ng    | 99       |                                   |
| 70) Pentachlorophenol         | 11.419 | 266  | 363798   | 69.773 | ng    | 100      |                                   |
| 71) Phenanthrene              | 11.642 | 178  | 1546539  | 42.685 | ng    | 100      |                                   |
| 72) Anthracene                | 11.695 | 178  | 1563355  | 42.399 | ng    | 99       |                                   |
| 73) Carbazole                 | 11.848 | 167  | 1322948  | 40.015 | ng    | 100      |                                   |
| 74) Di-n-butylphthalate       | 12.166 | 149  | 1792955  | 45.872 | ng    | 100      |                                   |
| 75) Fluoranthene              | 12.842 | 202  | 1359785  | 36.778 | ng    | 99       |                                   |
| 77) Benzidine                 | 12.954 | 184  | 184452   | 17.003 | ng    | 98       |                                   |
| 78) Pyrene                    | 13.072 | 202  | 1320403  | 52.906 | ng    | 99       |                                   |
| 80) Butylbenzylphthalate      | 13.683 | 149  | 577006   | 52.328 | ng    | 97       |                                   |
| 81) Benzo(a)anthracene        | 14.272 | 228  | 976473   | 44.993 | ng    | 99       |                                   |
| 82) 3,3'-Dichlorobenzidine    | 14.224 | 252  | 103929   | 15.035 | ng    | 98       |                                   |
| 83) Chrysene                  | 14.307 | 228  | 901614   | 44.366 | ng    | 100      |                                   |
| 84) Bis(2-ethylhexyl)phtha... | 14.236 | 149  | 770839   | 51.719 | ng    | 100      |                                   |
| 85) Di-n-octyl phthalate      | 14.871 | 149  | 1289777  | 53.056 | ng    | 97       |                                   |
| 87) Indeno(1,2,3-cd)pyrene    | 17.518 | 276  | 1354537  | 52.569 | ng    | 98       |                                   |
| 88) Benzo(b)fluoranthene      | 15.389 | 252  | 1124087  | 45.603 | ng    | 99       |                                   |
| 89) Benzo(k)fluoranthene      | 15.424 | 252  | 1000370  | 42.517 | ng    | 99       |                                   |
| 90) Benzo(a)pyrene            | 15.801 | 252  | 974996   | 42.477 | ng    | 98       |                                   |
| 91) Dibenzo(a,h)anthracene    | 17.542 | 278  | 1105146  | 53.346 | ng    | 99       |                                   |
| 92) Benzo(g,h,i)perylene      | 18.030 | 276  | 1100902  | 51.439 | ng    | 97       |                                   |

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

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