

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013025\  
 Data File : BF141316.D  
 Acq On : 30 Jan 2025 16:30  
 Operator : RC/JU  
 Sample : Q1209-05MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025  
 Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 30 17:10:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 29 17:41:25 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 167424   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 670473   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 356498   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.328 | 188  | 588680   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 325949   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 310604   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 978684   | 89.741  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 1261106  | 90.901  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 805336   | 63.320  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 318353   | 97.407  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1376060  | 59.412  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1399685  | 66.224  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.616  | 88   | 185454   | 38.666  | ng    | 99       |
| 3) Pyridine                   | 3.334  | 79   | 441993   | 38.248  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 264384   | 40.049  | ng    | 99       |
| 6) Aniline                    | 6.463  | 93   | 399163   | 33.990  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 474908   | 40.629  | ng    | 98       |
| 9) Benzaldehyde               | 6.351  | 77   | 422585   | 52.587  | ng    | 100      |
| 10) Phenol                    | 6.446  | 94   | 588247   | 39.999  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 439945   | 39.016  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 483070   | 37.481  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 486545   | 37.578  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 473074   | 39.020  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.940  | 79   | 402506   | 42.454  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 804591   | 41.033  | ng    | 99       |
| 17) 2-Methylphenol            | 7.051  | 107  | 379338   | 39.930  | ng    | 99       |
| 18) Hexachloroethane          | 7.310  | 117  | 183911   | 38.504  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 321954   | 39.055  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 441064   | 37.812  | ng    | 93       |
| 22) Acetophenone              | 7.210  | 105  | 674891   | 42.347  | ng    | 99       |
| 24) Nitrobenzene              | 7.381  | 77   | 491908   | 37.322  | ng    | 99       |
| 25) Isophorone                | 7.622  | 82   | 889100   | 40.441  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.698  | 139  | 253345   | 40.757  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 400965   | 50.679  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.834  | 93   | 549666   | 39.196  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.940  | 162  | 382394   | 39.479  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.022  | 180  | 410595   | 37.119  | ng    | 100      |
| 31) Naphthalene               | 8.104  | 128  | 1323328  | 37.362  | ng    | 100      |
| 32) Benzoic acid              | 7.857  | 122  | 315679   | 43.403  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 170221   | 14.172  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 238122   | 36.708  | ng    | 99       |
| 35) Caprolactam               | 8.522  | 113  | 136065m  | 43.013  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.634  | 107  | 414671   | 39.912  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 841360   | 37.374  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.892  | 142  | 820539   | 37.106  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 424850   | 41.890  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.945  | 237  | 464638   | 155.127 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 281338   | 42.381  | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 273099   | 37.799 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1185688  | 42.647 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.281  | 162  | 810546   | 37.403 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.381  | 65   | 282428   | 41.434 | ng    | 99       |
| 49) Acenaphthylene            | 9.698  | 152  | 1258782  | 41.496 | ng    | 100      |
| 50) Dimethylphthalate         | 9.563  | 163  | 953297   | 39.592 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 211701   | 37.868 | ng    | 100      |
| 52) Acenaphthene              | 9.869  | 154  | 935411   | 43.164 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.787  | 138  | 99686    | 18.193 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 253324   | 97.477 | ng    | 95       |
| 55) Dibenzofuran              | 10.045 | 168  | 1111457  | 38.315 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 367987   | 91.830 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 284780   | 39.344 | ng    | 95       |
| 58) Fluorene                  | 10.386 | 166  | 852028   | 37.866 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 239211   | 42.085 | ng    | 99       |
| 60) Diethylphthalate          | 10.263 | 149  | 905511   | 38.786 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204  | 412318   | 37.514 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 217106   | 40.302 | ng    | 100      |
| 63) Azobenzene                | 10.539 | 77   | 1052294  | 45.030 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 163963   | 47.088 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 773802   | 40.641 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 266484   | 40.435 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.933 | 284  | 273333   | 39.099 | ng    | 99       |
| 69) Atrazine                  | 11.028 | 200  | 281264   | 44.182 | ng    | 99       |
| 70) Pentachlorophenol         | 11.133 | 266  | 346307   | 84.595 | ng    | 99       |
| 71) Phenanthrene              | 11.351 | 178  | 1271787  | 40.190 | ng    | 100      |
| 72) Anthracene                | 11.404 | 178  | 1295098  | 41.770 | ng    | 100      |
| 73) Carbazole                 | 11.557 | 167  | 1127089  | 40.995 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1376232  | 41.305 | ng    | 100      |
| 75) Fluoranthene              | 12.539 | 202  | 1253101  | 40.106 | ng    | 100      |
| 77) Benzidine                 | 12.663 | 184  | 585138   | 55.997 | ng    | 99       |
| 78) Pyrene                    | 12.769 | 202  | 1240831  | 39.658 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 506233   | 46.313 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 881976   | 39.212 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 221186   | 30.919 | ng    | 100      |
| 83) Chrysene                  | 14.004 | 228  | 808152   | 39.205 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 617033   | 44.500 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 909822   | 42.245 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.910 | 276  | 899453   | 44.867 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 823489   | 42.148 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 652540   | 37.701 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 713438   | 43.212 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.933 | 278  | 731126   | 45.331 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 714115   | 42.582 | ng    | 99       |

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

