

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103023\  
 Data File : BF136030.D  
 Acq On : 30 Oct 2023 15:51  
 Operator : CG\JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023  
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:47:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 30 17:15:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 149619   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 590567   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 298033   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 554138   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 269608   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 293154   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 1478533  | 155.286 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 1846851  | 155.681 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 1597280  | 163.043 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 506349   | 159.172 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 2611184  | 139.665 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 2825069  | 162.838 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.581  | 88   | 343437   | 82.835  | ng    | 99       |
| 3) Pyridine                   | 3.351  | 79   | 938148   | 82.900  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.334  | 42   | 396969   | 83.898  | ng    | 99       |
| 6) Aniline                    | 6.504  | 93   | 1206733  | 78.569  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.616  | 128  | 776623   | 76.293  | ng    | 99       |
| 9) Benzaldehyde               | 6.381  | 77   | 454856   | 68.762  | ng    | 97       |
| 10) Phenol                    | 6.486  | 94   | 954713m  | 77.803  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 753219   | 78.413  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 822688   | 77.651  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 820693   | 77.295  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.998  | 146  | 738733   | 74.409  | ng    | 96       |
| 15) Benzyl Alcohol            | 6.975  | 79   | 633870   | 75.357  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 1028768  | 77.809  | ng    | 99       |
| 17) 2-Methylphenol            | 7.081  | 107  | 690841   | 80.000  | ng    | 99       |
| 18) Hexachloroethane          | 7.339  | 117  | 293334   | 78.603  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 526331   | 77.650  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.239  | 107  | 749280   | 71.156  | ng    | 95       |
| 22) Acetophenone              | 7.245  | 105  | 948442   | 72.425  | ng    | # 91     |
| 24) Nitrobenzene              | 7.416  | 77   | 795754   | 80.302  | ng    | 95       |
| 25) Isophorone                | 7.657  | 82   | 1522123  | 82.299  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.728  | 139  | 408390   | 90.327  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.769  | 122  | 679201   | 79.499  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 895650   | 79.037  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.969  | 162  | 639664   | 79.419  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.051  | 180  | 680613   | 77.463  | ng    | 98       |
| 31) Naphthalene               | 8.133  | 128  | 2123734  | 74.574  | ng    | 98       |
| 32) Benzoic acid              | 7.916  | 122  | 584218m  | 81.675  | ng    |          |
| 33) 4-Chloroaniline           | 8.180  | 127  | 963472   | 77.253  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 392736   | 77.942  | ng    | 99       |
| 35) Caprolactam               | 8.580  | 113  | 222487m  | 84.953  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.669  | 107  | 673691   | 79.672  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 1421971  | 74.467  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 1329685  | 74.827  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.992  | 216  | 653124   | 76.841  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 393773   | 86.717  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 447845   | 80.811  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 518852   | 80.823 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1686656  | 74.238 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.316  | 162  | 1290994  | 77.080 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.410  | 65   | 436334   | 88.028 | ng    | 99       |
| 49) Acenaphthylene            | 9.733  | 152  | 1992544  | 76.259 | ng    | 99       |
| 50) Dimethylphthalate         | 9.604  | 163  | 1547246  | 78.705 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.657  | 165  | 367327   | 87.363 | ng    | 95       |
| 52) Acenaphthene              | 9.904  | 154  | 1250144m | 75.512 | ng    |          |
| 53) 3-Nitroaniline            | 9.827  | 138  | 426580   | 86.951 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.927  | 184  | 188641   | 82.504 | ng    | 94       |
| 55) Dibenzofuran              | 10.074 | 168  | 1822847  | 75.261 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.986  | 139  | 332905   | 90.716 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.063 | 165  | 456415   | 85.796 | ng    | 99       |
| 58) Fluorene                  | 10.421 | 166  | 1302948  | 71.850 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232  | 406269   | 79.602 | ng    | 99       |
| 60) Diethylphthalate          | 10.304 | 149  | 1467482  | 78.127 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 654658   | 72.321 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.451 | 138  | 412769   | 87.375 | ng    | 96       |
| 63) Azobenzene                | 10.574 | 77   | 1404703  | 77.653 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 262012   | 81.929 | ng    | 77       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 1277422  | 76.418 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 462166   | 79.550 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.969 | 284  | 491809   | 79.261 | ng    | 100      |
| 69) Atrazine                  | 11.069 | 200  | 323963   | 71.229 | ng    | 98       |
| 70) Pentachlorophenol         | 11.157 | 266  | 338625   | 84.977 | ng    | 99       |
| 71) Phenanthrene              | 11.386 | 178  | 2073085  | 74.301 | ng    | 100      |
| 72) Anthracene                | 11.439 | 178  | 2122368  | 74.235 | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 1892029  | 76.155 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 2159029  | 76.052 | ng    | 98       |
| 75) Fluoranthene              | 12.580 | 202  | 2103987  | 73.404 | ng    | 99       |
| 77) Benzidine                 | 12.704 | 184  | 415259   | 79.023 | ng    | 98       |
| 78) Pyrene                    | 12.810 | 202  | 2120181  | 89.196 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 760695   | 89.404 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 1444636  | 80.937 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 483216   | 84.822 | ng    | # 99     |
| 83) Chrysene                  | 14.045 | 228  | 1458159  | 82.954 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.009 | 149  | 822521   | 82.975 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1348568  | 90.812 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 1760741  | 91.900 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 1347594  | 77.687 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 1319202  | 76.862 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 1326651  | 82.311 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.050 | 278  | 1426605  | 90.901 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 1495315  | 81.535 | ng    | 99       |

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

