

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031323\  
 Data File : BF132756.D  
 Acq On : 13 Mar 2023 12:33  
 Operator : CG\JU  
 Sample : PB151350BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB151350BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 01:28:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 13:44:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.975  | 152  | 243268   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.257  | 136  | 865467   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.022 | 164  | 456993   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.510 | 188  | 827524   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.169 | 240  | 521409   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.704 | 264  | 484072   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.616  | 112  | 1432202  | 95.550 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.610  | 99   | 1833137  | 93.709 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.540  | 82   | 1183624  | 64.886 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.816 | 330  | 483636   | 97.995 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.334  | 172  | 1921602  | 64.026 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.098 | 244  | 2109781  | 68.413 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.934  | 88   | 349459   | 42.148 | ng    | 96       |
| 3) Pyridine                   | 3.681  | 79   | 881388   | 40.048 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.657  | 42   | 326261   | 39.246 | ng    | 83       |
| 6) Aniline                    | 6.640  | 93   | 934553   | 35.500 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.763  | 128  | 707635   | 45.487 | ng    | 99       |
| 9) Benzaldehyde               | 6.522  | 77   | 377812   | 35.792 | ng    | 99       |
| 10) Phenol                    | 6.628  | 94   | 934985   | 41.689 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.710  | 93   | 781469   | 45.136 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.916  | 146  | 770896   | 46.177 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.992  | 146  | 772623   | 46.349 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.145  | 146  | 708083   | 44.261 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.116  | 79   | 640794   | 42.533 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.245  | 45   | 942832   | 42.704 | ng    | 97       |
| 17) 2-Methylphenol            | 7.228  | 107  | 600501   | 41.360 | ng    | 98       |
| 18) Hexachloroethane          | 7.481  | 117  | 306479   | 47.060 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 469832   | 39.025 | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.381  | 107  | 648248   | 34.560 | ng    | 96       |
| 22) Acetophenone              | 7.381  | 105  | 917352   | 42.036 | ng    | 96       |
| 24) Nitrobenzene              | 7.563  | 77   | 836542   | 42.879 | ng    | 98       |
| 25) Isophorone                | 7.798  | 82   | 1571385  | 44.931 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.875  | 139  | 410691   | 47.711 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.910  | 122  | 622557   | 45.825 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.998  | 93   | 952043   | 46.534 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.116  | 162  | 618994   | 45.803 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.198  | 180  | 698051   | 47.569 | ng    | 99       |
| 31) Naphthalene               | 8.281  | 128  | 1928502  | 43.527 | ng    | 99       |
| 32) Benzoic acid              | 8.045  | 122  | 439344m  | 41.595 | ng    |          |
| 33) 4-Chloroaniline           | 8.328  | 127  | 389453m  | 20.512 | ng    |          |
| 34) Hexachlorobutadiene       | 8.387  | 225  | 446686   | 47.902 | ng    | 99       |
| 35) Caprolactam               | 8.716  | 113  | 207056m  | 46.474 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.816  | 107  | 663973   | 44.737 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.975  | 142  | 1293346  | 42.834 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.075  | 142  | 1193723  | 42.304 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.139  | 216  | 693862   | 46.407 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.122  | 237  | 799169   | 98.545 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.251  | 196  | 461007   | 45.497 | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.298  | 196  | 490554   | 41.480 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.439  | 154  | 1545141  | 44.671 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.463  | 162  | 1240025  | 45.217 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.563  | 65   | 398068   | 39.412 | ng    | 92       |
| 49) Acenaphthylene            | 9.881  | 152  | 1864442  | 42.718 | ng    | 100      |
| 50) Dimethylphthalate         | 9.733  | 163  | 1477832  | 44.413 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.804  | 165  | 331634   | 43.763 | ng    | 93       |
| 52) Acenaphthene              | 10.057 | 154  | 1299747m | 46.898 | ng    |          |
| 53) 3-Nitroaniline            | 9.975  | 138  | 243633   | 28.741 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 10.086 | 184  | 359231   | 75.336 | ng    | 99       |
| 55) Dibenzofuran              | 10.228 | 168  | 1682043  | 41.631 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.145 | 139  | 445424   | 70.458 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.210 | 165  | 431312   | 42.782 | ng    | 99       |
| 58) Fluorene                  | 10.575 | 166  | 1305940  | 42.257 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.345 | 232  | 391792   | 44.598 | ng    | 97       |
| 60) Diethylphthalate          | 10.433 | 149  | 1390716  | 42.794 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.557 | 204  | 708910   | 44.218 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.598 | 138  | 337309   | 40.537 | ng    | 92       |
| 63) Azobenzene                | 10.722 | 77   | 1429676  | 41.539 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.622 | 198  | 246681   | 44.035 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.681 | 169  | 1163436  | 45.097 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.051 | 248  | 446908   | 47.744 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.122 | 284  | 493799   | 50.134 | ng    | 98       |
| 69) Atrazine                  | 11.204 | 200  | 405079   | 50.295 | ng    | 99       |
| 70) Pentachlorophenol         | 11.322 | 266  | 446038   | 76.114 | ng    | 98       |
| 71) Phenanthrene              | 11.539 | 178  | 1852892  | 43.221 | ng    | 100      |
| 72) Anthracene                | 11.592 | 178  | 1901995  | 43.084 | ng    | 99       |
| 73) Carbazole                 | 11.745 | 167  | 1702710  | 42.779 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.063 | 149  | 2140198  | 45.840 | ng    | 99       |
| 75) Fluoranthene              | 12.733 | 202  | 1996903  | 42.609 | ng    | 99       |
| 77) Benzidine                 | 12.851 | 184  | 933358   | 73.536 | ng    | 100      |
| 78) Pyrene                    | 12.969 | 202  | 2031150  | 42.847 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.569 | 149  | 888872   | 47.515 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.157 | 228  | 1744289  | 44.710 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.116 | 252  | 340387   | 29.594 | ng    | # 98     |
| 83) Chrysene                  | 14.198 | 228  | 1614201  | 44.247 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.121 | 149  | 1206113  | 52.484 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.745 | 149  | 1938172  | 57.715 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.292 | 276  | 1484593  | 46.805 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.245 | 252  | 1588329  | 48.962 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.280 | 252  | 1367518  | 43.073 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.639 | 252  | 1298049  | 42.753 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.304 | 278  | 1216208  | 47.061 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.774 | 276  | 1243143  | 42.748 | ng    | 99       |

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

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