

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070324\  
 Data File : BF138450.D  
 Acq On : 03 Jul 2024 17:10  
 Operator : CG\JU  
 Sample : P3134-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-238MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 03 17:46:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 125393   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 473065   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 228852   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 294704   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 212342   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.498 | 264  | 171098   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 944743   | 124.914 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 1245209  | 122.220 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 822561   | 90.326  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 206215   | 110.290 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1300018  | 90.404  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 953000   | 61.505  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 147039   | 41.275  | ng    | 98       |
| 3) Pyridine                   | 3.498  | 79   | 384313   | 45.220  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.451  | 42   | 293715   | 55.396  | ng    | 90       |
| 6) Aniline                    | 6.539  | 93   | 213337   | 21.457  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 418791   | 51.580  | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 77405    | 12.309  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 520566   | 47.958  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 417681   | 48.994  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 438313   | 47.141  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 442526   | 47.466  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 420119   | 48.813  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 395604   | 54.212  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 838169   | 48.744  | ng    | 97       |
| 17) 2-Methylphenol            | 7.133  | 107  | 323103   | 48.017  | ng    | 93       |
| 18) Hexachloroethane          | 7.386  | 117  | 163816   | 48.715  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 312782   | 48.698  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 393171   | 50.288  | ng    | 98       |
| 22) Acetophenone              | 7.281  | 105  | 521405   | 48.583  | ng    | 100      |
| 24) Nitrobenzene              | 7.457  | 77   | 470500   | 50.797  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 854330   | 50.878  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 218377   | 54.661  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 278817   | 54.529  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 501889   | 49.657  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 327269   | 49.834  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 368212   | 48.222  | ng    | 99       |
| 31) Naphthalene               | 8.180  | 128  | 1172130  | 49.012  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 223276   | 47.793  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 73381    | 8.786   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 220806   | 48.164  | ng    | 99       |
| 35) Caprolactam               | 8.604  | 113  | 92328m   | 44.521  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 340321   | 48.651  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 731449   | 47.325  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 670885   | 44.757  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 310020   | 48.976  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 248353   | 133.288 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 212614   | 52.785  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 216290   | 49.375  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 829743   | 48.558  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 649406   | 49.845  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 227588   | 54.154  | ng    | 99       |
| 49) Acenaphthylene            | 9.774  | 152  | 972871   | 53.096  | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 781001   | 53.101  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 163557   | 49.652  | ng    | 91       |
| 52) Acenaphthene              | 9.945  | 154  | 669063m  | 53.328  | ng    |          |
| 53) 3-Nitroaniline            | 9.863  | 138  | 96179    | 29.563  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 129499   | 91.501  | ng    | 96       |
| 55) Dibenzofuran              | 10.116 | 168  | 842129   | 48.716  | ng    | 96       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 191681   | 90.870  | ng    | # 81     |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 199766   | 49.253  | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 612923   | 44.623  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 154566   | 47.505  | ng    | 96       |
| 60) Diethylphthalate          | 10.333 | 149  | 698081   | 50.765  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 312324   | 44.815  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.480 | 138  | 129099   | 43.233  | ng    | 96       |
| 63) Azobenzene                | 10.610 | 77   | 685609   | 47.210  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 93608    | 57.954  | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 522499   | 57.110  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 169305   | 53.448  | ng    | 95       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 176516   | 50.557  | ng    | 93       |
| 69) Atrazine                  | 11.092 | 200  | 145247   | 56.622  | ng    | 99       |
| 70) Pentachlorophenol         | 11.198 | 266  | 183727   | 103.680 | ng    | 97       |
| 71) Phenanthrene              | 11.421 | 178  | 780991   | 54.278  | ng    | 99       |
| 72) Anthracene                | 11.468 | 178  | 766485   | 53.416  | ng    | 99       |
| 73) Carbazole                 | 11.627 | 167  | 647389   | 54.343  | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 808602   | 53.559  | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 814496   | 63.141  | ng    | 98       |
| 77) Benzidine                 | 12.727 | 184  | 97375    | 57.348  | ng    | 98       |
| 78) Pyrene                    | 12.833 | 202  | 827770   | 36.474  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 341186   | 49.405  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 737920   | 53.991  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 102730   | 25.458  | ng    | 99       |
| 83) Chrysene                  | 14.057 | 228  | 714916   | 53.756  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.009 | 149  | 492511   | 56.868  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 992373   | 65.464  | ng    | # 89     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 473594   | 55.089  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 585854   | 62.408  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 532030   | 61.531  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 472029   | 57.367  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 379362   | 54.668  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 368181   | 54.235  | ng    | 97       |

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

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