

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092823\  
 Data File : BF135492.D  
 Acq On : 28 Sep 2023 14:27  
 Operator : CG\JU  
 Sample : PB155842BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155842BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/29/2023  
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 29 00:22:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 28 19:03:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.746  | 152  | 154134   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 610635   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.781  | 164  | 305360   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 569430   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.927 | 240  | 292104   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.380 | 264  | 285325   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 1114971  | 117.654 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.398  | 99   | 1384986  | 114.935 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 883882   | 78.641  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.581 | 330  | 298961   | 98.519  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1422305  | 70.273  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 1416017  | 75.148  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.534  | 88   | 168327   | 40.518  | ng    | 92       |
| 3) Pyridine                   | 3.287  | 79   | 428540   | 38.327  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.246  | 42   | 270019   | 45.509  | ng    | 94       |
| 6) Aniline                    | 6.416  | 93   | 458408   | 29.010  | ng    | # 85     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 449152   | 44.398  | ng    | 98       |
| 9) Benzaldehyde               | 6.304  | 77   | 139325   | 20.296  | ng    | 98       |
| 10) Phenol                    | 6.410  | 94   | 537166   | 40.653  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.487  | 93   | 437910   | 44.182  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.687  | 146  | 440467   | 42.842  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.763  | 146  | 448998   | 42.925  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.910  | 146  | 420845   | 43.324  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 354259   | 40.969  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 793621   | 42.479  | ng    | 86       |
| 17) 2-Methylphenol            | 7.010  | 107  | 363743   | 40.745  | ng    | 97       |
| 18) Hexachloroethane          | 7.251  | 117  | 165394   | 42.793  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.163  | 70   | 283544   | 37.989  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 427811   | 39.853  | ng    | 95       |
| 22) Acetophenone              | 7.157  | 105  | 565326   | 40.494  | ng    | 95       |
| 24) Nitrobenzene              | 7.334  | 77   | 472374   | 42.521  | ng    | 98       |
| 25) Isophorone                | 7.569  | 82   | 859533   | 41.647  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.645  | 139  | 235811   | 44.228  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.687  | 122  | 366955   | 40.945  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.781  | 93   | 542717   | 43.934  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.893  | 162  | 348912   | 42.015  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.969  | 180  | 363378   | 41.864  | ng    | 99       |
| 31) Naphthalene               | 8.045  | 128  | 1230559  | 41.476  | ng    | 100      |
| 32) Benzoic acid              | 7.834  | 122  | 269685   | 39.962  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 341088   | 26.203  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 202704   | 38.729  | ng    | 99       |
| 35) Caprolactam               | 8.475  | 113  | 120835m  | 43.355  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 391051   | 42.369  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.740  | 142  | 765860   | 38.402  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.839  | 142  | 730364   | 39.116  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 355289   | 40.161  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.887  | 237  | 191560   | 51.991  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 232950   | 40.218  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.069  | 196  | 255348   | 38.281 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.204  | 154  | 930565   | 39.655 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.228  | 162  | 712400   | 41.841 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.334  | 65   | 289906   | 43.828 | ng    | 96       |
| 49) Acenaphthylene            | 9.645  | 152  | 1153717  | 40.773 | ng    | 99       |
| 50) Dimethylphthalate         | 9.510  | 163  | 836298   | 40.508 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 189166   | 41.826 | ng    | # 83     |
| 52) Acenaphthene              | 9.816  | 154  | 680388   | 40.703 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.751  | 138  | 175741   | 33.103 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.869  | 184  | 184529   | 72.505 | ng    | 89       |
| 55) Dibenzofuran              | 9.992  | 168  | 968750   | 37.978 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.928  | 139  | 256848   | 76.123 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 9.986  | 165  | 217521   | 38.417 | ng    | # 80     |
| 58) Fluorene                  | 10.334 | 166  | 772509   | 39.394 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 205113   | 39.974 | ng    | 98       |
| 60) Diethylphthalate          | 10.210 | 149  | 828252   | 39.974 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 356355   | 37.830 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.369 | 138  | 209344   | 41.022 | ng    | 95       |
| 63) Azobenzene                | 10.486 | 77   | 861665   | 42.492 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.398 | 198  | 131120   | 43.354 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.451 | 169  | 720542   | 41.796 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 224144   | 39.578 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.881 | 284  | 242205   | 41.979 | ng    | # 90     |
| 69) Atrazine                  | 10.981 | 200  | 215187   | 46.390 | ng    | 99       |
| 70) Pentachlorophenol         | 11.086 | 266  | 185334   | 53.689 | ng    | 99       |
| 71) Phenanthrene              | 11.298 | 178  | 1136554  | 42.202 | ng    | 99       |
| 72) Anthracene                | 11.351 | 178  | 1160079  | 41.906 | ng    | 100      |
| 73) Carbazole                 | 11.510 | 167  | 1128047  | 44.763 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 1311151  | 44.155 | ng    | 99       |
| 75) Fluoranthene              | 12.492 | 202  | 1193439  | 42.528 | ng    | 99       |
| 77) Benzidine                 | 12.616 | 184  | 260396   | 43.513 | ng    | 99       |
| 78) Pyrene                    | 12.722 | 202  | 1208687  | 43.461 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.345 | 149  | 460327   | 47.012 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.916 | 228  | 812680   | 43.086 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.880 | 252  | 226945   | 38.520 | ng    | # 97     |
| 83) Chrysene                  | 13.951 | 228  | 802201   | 42.777 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.904 | 149  | 546951   | 54.434 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 829142   | 51.925 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.857 | 276  | 822618   | 43.972 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.963 | 252  | 712433   | 46.125 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 14.992 | 252  | 679973   | 44.566 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.321 | 252  | 640966   | 43.516 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.868 | 278  | 669258   | 43.722 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.298 | 276  | 685964   | 42.910 | ng    | 96       |

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

