

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF113023\  
 Data File : BF136320.D  
 Acq On : 30 Nov 2023 18:37  
 Operator : CG\JU  
 Sample : 05540-01MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-11222023MS

Quant Time: Dec 01 00:10:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/01/2023  
 Supervised By :mohammad ahmed 12/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 140186   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.086  | 136  | 572423   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 266823   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 396350   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 265106   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 288270   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 884227   | 87.791 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 1082628  | 85.967 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 658968   | 60.833 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 273033   | 83.698 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1263228  | 60.472 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 952002   | 41.422 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 131240   | 34.438 | ng    | 95       |
| 3) Pyridine                   | 3.393  | 79   | 320808   | 34.102 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 176517   | 37.120 | ng    | 83       |
| 6) Aniline                    | 6.475  | 93   | 390815   | 32.833 | ng    | 95       |
| 8) 2-Chlorophenol             | 6.592  | 128  | 471941   | 43.034 | ng    | 95       |
| 9) Benzaldehyde               | 6.357  | 77   | 46297    | 6.596  | ng    | 93       |
| 10) Phenol                    | 6.457  | 94   | 561931   | 41.591 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 416943   | 42.066 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.745  | 146  | 482253   | 38.749 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.828  | 146  | 503515   | 39.798 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 472899   | 39.482 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 367689   | 41.643 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.086  | 45   | 561518   | 40.786 | ng    | 98       |
| 17) 2-Methylphenol            | 7.063  | 107  | 367456   | 42.620 | ng    | 98       |
| 18) Hexachloroethane          | 7.316  | 117  | 172663   | 38.907 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 311814   | 41.398 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 457109   | 40.794 | ng    | 96       |
| 22) Acetophenone              | 7.216  | 105  | 652019   | 43.370 | ng    | # 95     |
| 24) Nitrobenzene              | 7.386  | 77   | 450744   | 41.061 | ng    | 98       |
| 25) Isophorone                | 7.628  | 82   | 851703   | 43.604 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 229467   | 49.061 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.739  | 122  | 340112   | 55.247 | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 519719   | 43.989 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.945  | 162  | 379944   | 45.756 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 423485   | 41.656 | ng    | 97       |
| 31) Naphthalene               | 8.110  | 128  | 1374876  | 42.732 | ng    | 99       |
| 32) Benzoic acid              | 7.869  | 122  | 257155   | 45.834 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 147234   | 13.462 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 243350   | 40.915 | ng    | 99       |
| 35) Caprolactam               | 8.533  | 113  | 111748m  | 48.140 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 383168   | 42.547 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 832787   | 41.262 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 814179   | 41.352 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.963  | 216  | 402790   | 47.434 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 302344   | 92.532 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.075  | 196  | 257766   | 46.767 | ng    | 95       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 270973   | 45.051 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.263  | 154  | 1093916  | 46.491 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.286  | 162  | 809392   | 44.295 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 219049   | 45.915 | ng    | 91       |
| 49) Acenaphthylene            | 9.704  | 152  | 1249988  | 47.935 | ng    | 99       |
| 50) Dimethylphthalate         | 9.569  | 163  | 947199   | 46.968 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 190140   | 46.151 | ng    | 87       |
| 52) Acenaphthene              | 9.875  | 154  | 722430   | 43.839 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 126164   | 30.862 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 159825   | 83.410 | ng    | # 85     |
| 55) Dibenzofuran              | 10.051 | 168  | 1067028  | 43.514 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 253183   | 81.545 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 239989   | 43.608 | ng    | # 91     |
| 58) Fluorene                  | 10.392 | 166  | 800107   | 41.598 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 206418   | 43.132 | ng    | 98       |
| 60) Diethylphthalate          | 10.275 | 149  | 895062   | 44.369 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 393698   | 42.148 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 153862   | 38.451 | ng    | 96       |
| 63) Azobenzene                | 10.545 | 77   | 765783   | 40.946 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 102877   | 47.465 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 700959   | 55.187 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 234785   | 50.775 | ng    | 91       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 252760   | 47.230 | ng    | # 93     |
| 69) Atrazine                  | 11.039 | 200  | 215501   | 57.194 | ng    | 98       |
| 70) Pentachlorophenol         | 11.139 | 266  | 258786   | 85.546 | ng    | 97       |
| 71) Phenanthrene              | 11.357 | 178  | 1151188  | 51.677 | ng    | 99       |
| 72) Anthracene                | 11.410 | 178  | 1060628  | 47.478 | ng    | 99       |
| 73) Carbazole                 | 11.569 | 167  | 841530   | 44.291 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1173816  | 49.376 | ng    | 99       |
| 75) Fluoranthene              | 12.551 | 202  | 1059481  | 46.849 | ng    | 97       |
| 77) Benzidine                 | 12.674 | 184  | 244272   | 56.053 | ng    | 99       |
| 78) Pyrene                    | 12.780 | 202  | 1070386  | 36.867 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 388651   | 43.011 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 953692   | 48.432 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 233622   | 49.288 | ng    | 94       |
| 83) Chrysene                  | 14.015 | 228  | 901116   | 47.396 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 539202   | 49.722 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 1076133  | 59.692 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 669157   | 32.001 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 983235   | 48.616 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 876479   | 45.630 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.409 | 252  | 782459   | 47.327 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 546244   | 32.513 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 487012   | 28.853 | ng    | 99       |

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

