

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102823\  
 Data File : BF136001.D  
 Acq On : 28 Oct 2023 12:56  
 Operator : CG\JU  
 Sample : PB156435BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156435BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Oct 30 00:23:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                               |
|-------------------------------|--------|------|----------|---------|-------|----------|-------------------------------|
| Internal Standards            |        |      |          |         |       |          | 10/31/2023                    |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 155455   | 20.000  | ng    | 0.00     | Supervised By :mohammad Ahmed |
| 21) Naphthalene-d8            | 8.110  | 136  | 612766   | 20.000  | ng    | 0.00     |                               |
| 39) Acenaphthene-d10          | 9.869  | 164  | 315427   | 20.000  | ng    | 0.00     |                               |
| 64) Phenanthrene-d10          | 11.357 | 188  | 584248   | 20.000  | ng    | 0.00     |                               |
| 76) Chrysene-d12              | 14.015 | 240  | 335594   | 20.000  | ng    | 0.00     |                               |
| 86) Perylene-d12              | 15.504 | 264  | 315540   | 20.000  | ng    | 0.01     | 10/31/2023                    |
| System Monitoring Compounds   |        |      |          |         |       |          |                               |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1319786  | 131.097 | ng    | 0.02     |                               |
| 7) Phenol-d6                  | 6.463  | 99   | 1635377  | 130.482 | ng    | 0.00     |                               |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 948667   | 98.251  | ng    | 0.00     |                               |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 493811   | 178.857 | ng    | 0.00     |                               |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1721131  | 87.372  | ng    | 0.00     |                               |
| 79) Terphenyl-d14             | 12.963 | 244  | 2129778  | 106.032 | ng    | 0.00     |                               |
| Target Compounds              |        |      |          |         |       |          | Qvalue                        |
| 2) 1,4-Dioxane                | 2.669  | 88   | 164272   | 35.127  | ng    |          | 99                            |
| 3) Pyridine                   | 3.422  | 79   | 402734   | 31.201  | ng    |          | 96                            |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 226019   | 40.158  | ng    |          | 98                            |
| 6) Aniline                    | 6.492  | 93   | 513825   | 30.447  | ng    |          | 99                            |
| 8) 2-Chlorophenol             | 6.610  | 128  | 514678   | 49.384  | ng    |          | 99                            |
| 9) Benzaldehyde               | 6.375  | 77   | 62771    | 9.258   | ng    |          | 96                            |
| 10) Phenol                    | 6.481  | 94   | 607387m  | 46.356  | ng    |          |                               |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 480282   | 47.092  | ng    |          | 99                            |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 520399   | 47.010  | ng    |          | 97                            |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 533332   | 47.971  | ng    |          | 98                            |
| 14) 1,2-Dichlorobenzene       | 6.998  | 146  | 496445   | 48.086  | ng    |          | 99                            |
| 15) Benzyl Alcohol            | 6.969  | 79   | 341386   | 38.531  | ng    |          | 98                            |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 674990   | 44.941  | ng    |          | 96                            |
| 17) 2-Methylphenol            | 7.081  | 107  | 403033   | 43.878  | ng    |          | 99                            |
| 18) Hexachloroethane          | 7.339  | 117  | 186577   | 49.354  | ng    |          | 94                            |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 322796   | 45.291  | ng    |          | 98                            |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 485036   | 43.752  | ng    |          | 90                            |
| 22) Acetophenone              | 7.239  | 105  | 654370   | 47.281  | ng    | #        | 95                            |
| 24) Nitrobenzene              | 7.410  | 77   | 493594   | 48.606  | ng    |          | 98                            |
| 25) Isophorone                | 7.651  | 82   | 916575   | 47.322  | ng    |          | 98                            |
| 26) 2-Nitrophenol             | 7.728  | 139  | 245159   | 60.861  | ng    |          | 92                            |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 390891   | 44.280  | ng    |          | 100                           |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 564342   | 47.447  | ng    |          | 98                            |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 409230   | 51.769  | ng    |          | 100                           |
| 30) 1,2,4-Trichlorobenzene    | 8.051  | 180  | 441963   | 49.380  | ng    |          | 99                            |
| 31) Naphthalene               | 8.134  | 128  | 1388411  | 46.865  | ng    |          | 100                           |
| 32) Benzoic acid              | 7.886  | 122  | 333049   | 64.637  | ng    |          | 92                            |
| 33) 4-Chloroaniline           | 8.175  | 127  | 183192   | 13.990  | ng    |          | 99                            |
| 34) Hexachlorobutadiene       | 8.251  | 225  | 249624   | 49.482  | ng    |          | 100                           |
| 35) Caprolactam               | 8.551  | 113  | 144105m  | 54.781  | ng    |          |                               |
| 36) 4-Chloro-3-methylphenol   | 8.663  | 107  | 432945   | 51.537  | ng    |          | 97                            |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 897800   | 45.803  | ng    |          | 100                           |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 870839   | 47.546  | ng    |          | 99                            |
| 40) 1,2,4,5-Tetrachloroben... | 8.992  | 216  | 427205   | 47.953  | ng    |          | 99                            |
| 41) Hexachlorocyclopentadiene | 8.981  | 237  | 501969   | 114.270 | ng    |          | 99                            |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 291550   | 55.914  | ng    |          | 98                            |

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| 44) 2,4,5-Trichlorophenol     | 9.145  | 196  | 317227   | 51.240  | ng    | 94       | 10/31/2023                       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1140675  | 47.725  | ng    | 99       | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 9.316  | 162  | 873632   | 49.417  | ng    | 98       |                                  |
| 48) 2-Nitroaniline            | 9.410  | 65   | 264846   | 53.432  | ng    | 98       |                                  |
| 49) Acenaphthylene            | 9.733  | 152  | 1386311  | 49.707  | ng    | 100      |                                  |
| 50) Dimethylphthalate         | 9.598  | 163  | 1004920  | 49.128  | ng    | 99       |                                  |
| 51) 2,6-Dinitrotoluene        | 9.657  | 165  | 231213   | 53.862  | ng    | # 81     | 10/31/2023                       |
| 52) Acenaphthene              | 9.904  | 154  | 962731m  | 53.863  | ng    |          |                                  |
| 53) 3-Nitroaniline            | 9.822  | 138  | 161936   | 33.442  | ng    | # 89     |                                  |
| 54) 2,4-Dinitrophenol         | 9.928  | 184  | 238354   | 110.582 | ng    | 97       |                                  |
| 55) Dibenzofuran              | 10.075 | 168  | 1230563  | 47.657  | ng    | 100      |                                  |
| 56) 4-Nitrophenol             | 9.986  | 139  | 424658   | 101.139 | ng    | 98       |                                  |
| 57) 2,4-Dinitrotoluene        | 10.063 | 165  | 305931   | 57.033  | ng    | 88       |                                  |
| 58) Fluorene                  | 10.422 | 166  | 924249   | 47.843  | ng    | 100      |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232  | 276882   | 59.434  | ng    | 99       |                                  |
| 60) Diethylphthalate          | 10.298 | 149  | 973339   | 49.900  | ng    | 99       |                                  |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 451398   | 48.440  | ng    | 98       |                                  |
| 62) 4-Nitroaniline            | 10.439 | 138  | 252390   | 50.017  | ng    | 95       |                                  |
| 63) Azobenzene                | 10.575 | 77   | 941966   | 47.586  | ng    | 98       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 151281   | 66.610  | ng    | 81       |                                  |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 867725   | 49.162  | ng    | 100      |                                  |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 302786   | 50.605  | ng    | 99       |                                  |
| 68) Hexachlorobenzene         | 10.969 | 284  | 345114   | 53.994  | ng    | # 91     |                                  |
| 69) Atrazine                  | 11.069 | 200  | 290817   | 60.441  | ng    | 99       |                                  |
| 70) Pentachlorophenol         | 11.163 | 266  | 418534   | 102.049 | ng    | 99       |                                  |
| 71) Phenanthrene              | 11.386 | 178  | 1454150  | 49.195  | ng    | 100      |                                  |
| 72) Anthracene                | 11.439 | 178  | 1470788  | 48.596  | ng    | 99       |                                  |
| 73) Carbazole                 | 11.592 | 167  | 1327256  | 49.160  | ng    | 99       |                                  |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1509022  | 52.525  | ng    | 100      |                                  |
| 75) Fluoranthene              | 12.580 | 202  | 1505077  | 48.399  | ng    | 98       |                                  |
| 77) Benzidine                 | 12.704 | 184  | 370628   | 57.275  | ng    | 99       |                                  |
| 78) Pyrene                    | 12.810 | 202  | 1535189  | 54.482  | ng    | 100      |                                  |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 564458   | 52.606  | ng    | 98       |                                  |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 1127436  | 49.409  | ng    | 100      |                                  |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 284176   | 40.934  | ng    | 99       |                                  |
| 83) Chrysene                  | 14.045 | 228  | 1089392  | 49.018  | ng    | 99       |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 628697   | 54.259  | ng    | 99       |                                  |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 987883   | 54.122  | ng    | 97       |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 1182825  | 66.108  | ng    | 98       |                                  |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 942251   | 50.177  | ng    | 99       |                                  |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 881378   | 47.790  | ng    | 99       |                                  |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 828379   | 47.864  | ng    | 100      |                                  |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 967883   | 63.243  | ng    | 99       |                                  |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 982298   | 55.790  | ng    | 100      |                                  |

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

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