

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022724\  
 Data File : BF137408.D  
 Acq On : 27 Feb 2024 16:45  
 Operator : CG\JU  
 Sample : P1524-09MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 27 17:14:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 24 04:23:49 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                   |
|-------------------------------|--------|------|----------|---------|-------|----------|-----------------------------------|
| Internal Standards            |        |      |          |         |       |          | 02/28/2024                        |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 224516   | 20.000  | ng    | -0.02    | Supervised By :mohammad<br>Jagrut |
| 21) Naphthalene-d8            | 8.063  | 136  | 875750   | 20.000  | ng    | -0.02    |                                   |
| 39) Acenaphthene-d10          | 9.822  | 164  | 456871   | 20.000  | ng    | -0.01    |                                   |
| 64) Phenanthrene-d10          | 11.310 | 188  | 662087   | 20.000  | ng    | -0.02    |                                   |
| 76) Chrysene-d12              | 13.968 | 240  | 381218   | 20.000  | ng    | -0.01    |                                   |
| 86) Perylene-d12              | 15.451 | 264  | 451295   | 20.000  | ng    | -0.01    | 02/29/2024                        |
| System Monitoring Compounds   |        |      |          |         |       |          |                                   |
| 5) 2-Fluorophenol             | 5.416  | 112  | 806258   | 55.412  | ng    | -0.01    |                                   |
| 7) Phenol-d6                  | 6.422  | 99   | 645398   | 30.153  | ng    | -0.02    |                                   |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 1598947  | 91.152  | ng    | -0.01    |                                   |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 454150   | 114.152 | ng    | -0.01    |                                   |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 2410624  | 82.145  | ng    | -0.01    |                                   |
| 79) Terphenyl-d14             | 12.910 | 244  | 1978542  | 72.592  | ng    | -0.02    |                                   |
| Target Compounds              |        |      |          |         |       |          | Qvalue                            |
| 2) 1,4-Dioxane                | 2.563  | 88   | 111891   | 14.038  | ng    |          | 98                                |
| 3) Pyridine                   | 3.334  | 79   | 144330   | 8.756   | ng    |          | 96                                |
| 4) n-Nitrosodimethylamine     | 3.275  | 42   | 92495    | 15.888  | ng    | #        | 97                                |
| 6) Aniline                    | 6.451  | 93   | 201161   | 7.925   | ng    |          | 94                                |
| 8) 2-Chlorophenol             | 6.569  | 128  | 574361   | 36.803  | ng    |          | 100                               |
| 9) Benzaldehyde               | 6.334  | 77   | 88743    | 8.612   | ng    |          | 96                                |
| 10) Phenol                    | 6.434  | 94   | 267232   | 11.408  | ng    |          | 98                                |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 746770   | 43.872  | ng    |          | 97                                |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 679579   | 40.550  | ng    |          | 100                               |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 698087   | 40.458  | ng    |          | 99                                |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 671988   | 42.104  | ng    |          | 98                                |
| 15) Benzyl Alcohol            | 6.928  | 79   | 335286   | 26.279  | ng    |          | 98                                |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 1293766  | 45.728  | ng    |          | 100                               |
| 17) 2-Methylphenol            | 7.045  | 107  | 372065   | 25.197  | ng    |          | 97                                |
| 18) Hexachloroethane          | 7.292  | 117  | 231180   | 38.881  | ng    |          | 99                                |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 585864   | 44.419  | ng    |          | 98                                |
| 20) 3+4-Methylphenols         | 7.192  | 107  | 379864   | 22.571  | ng    | #        | 32                                |
| 22) Acetophenone              | 7.192  | 105  | 1011873  | 47.649  | ng    | #        | 93                                |
| 24) Nitrobenzene              | 7.369  | 77   | 837551   | 46.990  | ng    |          | 98                                |
| 25) Isophorone                | 7.604  | 82   | 1638565  | 45.170  | ng    |          | 99                                |
| 26) 2-Nitrophenol             | 7.681  | 139  | 350077   | 51.194  | ng    |          | 94                                |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 454751   | 34.086  | ng    |          | 99                                |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 958869   | 45.859  | ng    |          | 98                                |
| 29) 2,4-Dichlorophenol        | 7.922  | 162  | 538490   | 43.065  | ng    |          | 97                                |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 593475   | 44.219  | ng    |          | 98                                |
| 31) Naphthalene               | 8.086  | 128  | 1980546  | 42.142  | ng    |          | 99                                |
| 32) Benzoic acid              | 7.828  | 122  | 101835   | 17.619  | ng    |          | 99                                |
| 33) 4-Chloroaniline           | 8.139  | 127  | 103324   | 5.780   | ng    |          | 96                                |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 343813   | 43.122  | ng    |          | 99                                |
| 35) Caprolactam               | 8.516  | 113  | 24051    | 6.220   | ng    |          | 93                                |
| 36) 4-Chloro-3-methylphenol   | 8.616  | 107  | 518457   | 36.574  | ng    |          | 98                                |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 1239627  | 40.934  | ng    |          | 100                               |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 1175787  | 41.065  | ng    |          | 100                               |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 600031   | 47.684  | ng    |          | 98                                |
| 41) Hexachlorocyclopentadiene | 8.927  | 237  | 278203   | 48.763  | ng    |          | 98                                |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 380080   | 46.585  | ng    |          | 99                                |

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| 44) 2,4,5-Trichlorophenol     | 9.098  | 196  | 392840   | 41.969 | ng    | 98       | 02/28/2024              |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 1531957  | 46.039 | ng    | 99       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 1191440  | 47.412 | ng    | 99       | ahmed                   |
| 48) 2-Nitroaniline            | 9.369  | 65   | 378518   | 49.453 | ng    | 97       |                         |
| 49) Acenaphthylene            | 9.680  | 152  | 1866022  | 45.704 | ng    | 99       |                         |
| 50) Dimethylphthalate         | 9.551  | 163  | 1441766  | 45.670 | ng    | 100      |                         |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 302646   | 51.531 | ng    | # 87     | 02/29/2024              |
| 52) Acenaphthene              | 9.857  | 154  | 1055079  | 43.291 | ng    | 99       |                         |
| 53) 3-Nitroaniline            | 9.780  | 138  | 120762   | 19.470 | ng    | 98       |                         |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 221302   | 76.602 | ng    | 98       |                         |
| 55) Dibenzofuran              | 10.027 | 168  | 1612523  | 42.809 | ng    | 98       |                         |
| 56) 4-Nitrophenol             | 9.945  | 139  | 98725    | 23.484 | ng    | 94       |                         |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 362267   | 48.771 | ng    | 96       |                         |
| 58) Fluorene                  | 10.374 | 166  | 1177497  | 40.933 | ng    | 99       |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232  | 326322m  | 42.099 | ng    |          |                         |
| 60) Diethylphthalate          | 10.251 | 149  | 1368807  | 46.440 | ng    | 99       |                         |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 584891   | 41.333 | ng    | 97       |                         |
| 62) 4-Nitroaniline            | 10.398 | 138  | 196149   | 32.331 | ng    | 98       |                         |
| 63) Azobenzene                | 10.527 | 77   | 1502809  | 42.615 | ng    | 98       |                         |
| 65) 4,6-Dinitro-2-methylph... | 10.421 | 198  | 157384   | 48.555 | ng    | 94       |                         |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 1072821  | 49.893 | ng    | 98       |                         |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 363509   | 51.071 | ng    | # 93     |                         |
| 68) Hexachlorobenzene         | 10.916 | 284  | 368697   | 50.074 | ng    | 93       |                         |
| 69) Atrazine                  | 11.021 | 200  | 315403   | 54.352 | ng    | 99       |                         |
| 70) Pentachlorophenol         | 11.116 | 266  | 385983   | 82.739 | ng    | 99       |                         |
| 71) Phenanthrene              | 11.339 | 178  | 1627923  | 44.566 | ng    | 99       |                         |
| 72) Anthracene                | 11.392 | 178  | 1657551  | 44.032 | ng    | 99       |                         |
| 73) Carbazole                 | 11.545 | 167  | 1356874  | 42.187 | ng    | 99       |                         |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1970501  | 61.228 | ng    | 99       |                         |
| 75) Fluoranthene              | 12.533 | 202  | 1409964  | 39.543 | ng    | 100      |                         |
| 77) Benzidine                 | 12.668 | 184  | 32999    | 11.271 | ng    | 97       |                         |
| 78) Pyrene                    | 12.757 | 202  | 1414931  | 39.252 | ng    | 100      |                         |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 449065   | 71.508 | ng    | 94       |                         |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 1245460  | 47.081 | ng    | 99       |                         |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 257065   | 42.336 | ng    | 99       |                         |
| 83) Chrysene                  | 13.992 | 228  | 1268918  | 46.957 | ng    | 99       |                         |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 685739   | 82.104 | ng    | 98       |                         |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 1385119  | 82.874 | ng    | # 90     |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 16.945 | 276  | 1051133  | 34.197 | ng    | 100      |                         |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 1292303  | 46.679 | ng    | 99       |                         |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 1333886  | 45.970 | ng    | 99       |                         |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 1192647  | 45.417 | ng    | 98       |                         |
| 91) Dibenzo(a,h)anthracene    | 16.974 | 278  | 868591   | 34.373 | ng    | 98       |                         |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 757575   | 29.455 | ng    | 100      |                         |

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

