

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011624\  
 Data File : BF137086.D  
 Acq On : 16 Jan 2024 18:38  
 Operator : CG\JU  
 Sample : P1147-01MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-EMS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/18/2024  
 Supervised By :mohammad ahmed 01/18/2024

Quant Time: Jan 17 02:01:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 49979    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 180785   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 76161    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 122393   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 105463   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.462 | 264  | 131664   | 20.000 | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 255036   | 79.619 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.439  | 99   | 307997   | 74.206 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 184573   | 52.243 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 64464    | 71.869 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 349962   | 61.802 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.904 | 244  | 301990   | 40.016 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.598  | 88   | 56587    | 42.399 | ng    | 97       |
| 3) Pyridine                   | 3.369  | 79   | 127176   | 39.054 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.340  | 42   | 70253    | 40.399 | ng    | 99       |
| 6) Aniline                    | 6.451  | 93   | 122485   | 29.516 | ng    | # 12     |
| 8) 2-Chlorophenol             | 6.581  | 128  | 145722   | 41.571 | ng    | 92       |
| 9) Benzaldehyde               | 6.345  | 77   | 19942    | 8.447  | ng    | 93       |
| 10) Phenol                    | 6.451  | 94   | 175470   | 39.603 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 137999   | 40.955 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 160223m  | 41.900 | ng    |          |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 164299   | 42.050 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 151515   | 41.674 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.933  | 79   | 112753   | 40.267 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 215365   | 39.094 | ng    | 66       |
| 17) 2-Methylphenol            | 7.051  | 107  | 113590   | 39.116 | ng    | 95       |
| 18) Hexachloroethane          | 7.286  | 117  | 57694    | 40.658 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 95997    | 38.154 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 140478   | 38.721 | ng    | # 60     |
| 22) Acetophenone              | 7.192  | 105  | 206625   | 45.599 | ng    | # 88     |
| 24) Nitrobenzene              | 7.369  | 77   | 143315   | 40.495 | ng    | 96       |
| 25) Isophorone                | 7.604  | 82   | 250693   | 38.997 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.680  | 139  | 73693    | 43.521 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 103801   | 50.354 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 160857   | 41.165 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 106109   | 39.982 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 125286   | 42.370 | ng    | 99       |
| 31) Naphthalene               | 8.080  | 128  | 413041   | 41.588 | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 63781    | 31.977 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 49961    | 13.624 | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 75034    | 41.765 | ng    | 99       |
| 35) Caprolactam               | 8.510  | 113  | 31323    | 35.777 | ng    | # 85     |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 105001   | 35.144 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 246056   | 38.495 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 238244   | 37.992 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 120891   | 51.254 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 53885    | 72.162 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 65138    | 43.062 | ng    | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011624\  
 Data File : BF137086.D  
 Acq On : 16 Jan 2024 18:38  
 Operator : CG\JU  
 Sample : P1147-01MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-EMS

Quant Time: Jan 17 02:01:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/18/2024  
 Supervised By :mohammad ahmed 01/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 66141    | 39.238 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 306599   | 47.973 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 220905   | 45.467 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 61521    | 40.436 | ng    | 97       |
| 49) Acenaphthylene            | 9.680  | 152  | 350731   | 47.228 | ng    | 98       |
| 50) Dimethylphthalate         | 9.539  | 163  | 229290   | 41.217 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 50754    | 40.200 | ng    | 92       |
| 52) Acenaphthene              | 9.851  | 154  | 199227   | 43.278 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.780  | 138  | 34934    | 26.121 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 34531    | 50.781 | ng    | 99       |
| 55) Dibenzofuran              | 10.027 | 168  | 293990   | 42.130 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 41683    | 46.169 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 60073    | 36.652 | ng    | 95       |
| 58) Fluorene                  | 10.369 | 166  | 225446   | 40.717 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 47905    | 36.919 | ng    | 99       |
| 60) Diethylphthalate          | 10.239 | 149  | 216489   | 37.507 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 111046   | 41.261 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 42433    | 32.912 | ng    | 94       |
| 63) Azobenzene                | 10.521 | 77   | 203568   | 37.761 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 26681    | 38.038 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.480 | 169  | 190060   | 47.803 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 60151    | 44.253 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.921 | 284  | 65023    | 42.926 | ng    | 97       |
| 69) Atrazine                  | 11.016 | 200  | 55077    | 54.161 | ng    | 98       |
| 70) Pentachlorophenol         | 11.127 | 266  | 42139    | 59.682 | ng    | 99       |
| 71) Phenanthrene              | 11.339 | 178  | 277513   | 44.189 | ng    | 98       |
| 72) Anthracene                | 11.392 | 178  | 284966   | 44.806 | ng    | 99       |
| 73) Carbazole                 | 11.551 | 167  | 254701   | 42.476 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.874 | 149  | 313394   | 42.831 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 305676   | 45.504 | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 132272   | 42.536 | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 313608   | 30.292 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 136821   | 36.320 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.962 | 228  | 327726   | 44.752 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 84045    | 40.411 | ng    | 99       |
| 83) Chrysene                  | 14.004 | 228  | 307080   | 42.880 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 209961   | 44.298 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 393083   | 53.614 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.003 | 276  | 404113   | 42.510 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 374598   | 42.597 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.056 | 252  | 306317   | 36.864 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 312553   | 42.106 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.009 | 278  | 334016   | 42.828 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 308077   | 38.568 | ng    | 100      |

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

