

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080123\  
 Data File : BF134547.D  
 Acq On : 01 Aug 2023 14:27  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023  
 Supervised By :mohammad ahmed 08/02/2023

Quant Time: Aug 02 02:43:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 220485   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 863869   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 433432   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 785259   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 498206   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 453778   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 1078872  | 74.381 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 1403758  | 75.709 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 1150891  | 83.256 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 357482   | 80.907 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1962270  | 75.275 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 2173886  | 76.921 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.557  | 88   | 246814   | 36.984 | ng    | 96       |
| 3) Pyridine                   | 3.299  | 79   | 679650   | 37.584 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.269  | 42   | 331092   | 38.319 | ng    | # 69     |
| 6) Aniline                    | 6.463  | 93   | 922213   | 37.921 | ng    | 92       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 569630   | 38.931 | ng    | 94       |
| 9) Benzaldehyde               | 6.345  | 77   | 331514   | 35.734 | ng    | 98       |
| 10) Phenol                    | 6.440  | 94   | 690580m  | 37.795 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 556431   | 38.335 | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 573712   | 37.898 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 569533   | 37.539 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 534475   | 37.809 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 496454   | 38.812 | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 874641   | 38.463 | ng    | 88       |
| 17) 2-Methylphenol            | 7.045  | 107  | 498816   | 38.580 | ng    | 93       |
| 18) Hexachloroethane          | 7.304  | 117  | 210159   | 39.467 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 414017   | 37.295 | ng    | 90       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 592885   | 38.023 | ng    | # 70     |
| 22) Acetophenone              | 7.204  | 105  | 727606   | 36.484 | ng    | # 91     |
| 24) Nitrobenzene              | 7.375  | 77   | 604513   | 40.478 | ng    | 100      |
| 25) Isophorone                | 7.616  | 82   | 1130866  | 37.507 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 253546   | 40.707 | ng    | # 87     |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 509523   | 37.874 | ng    | 86       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 685570   | 38.011 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 466624   | 38.217 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 494525   | 37.981 | ng    | 99       |
| 31) Naphthalene               | 8.098  | 128  | 1603497  | 36.933 | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 345390   | 40.774 | ng    | 89       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 705854   | 36.487 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 284678   | 37.905 | ng    | 96       |
| 35) Caprolactam               | 8.522  | 113  | 150317   | 38.158 | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.622  | 107  | 491219   | 37.988 | ng    | 91       |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 1072411  | 37.265 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 1001669  | 37.431 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 470529   | 37.332 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 252514   | 41.199 | ng    | 91       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 323156   | 39.177 | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.098  | 196  | 372716   | 39.535 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 1270680  | 37.700 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 947519   | 37.518 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 313679   | 40.378 | ng    | 98       |
| 49) Acenaphthylene            | 9.692  | 152  | 1489627  | 37.524 | ng    | 99       |
| 50) Dimethylphthalate         | 9.557  | 163  | 1122995  | 38.014 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 242210   | 40.431 | ng    | 88       |
| 52) Acenaphthene              | 9.863  | 154  | 978978   | 38.053 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 286641   | 43.533 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.880  | 184  | 76990    | 41.901 | ng    | 89       |
| 55) Dibenzofuran              | 10.033 | 168  | 1370571  | 37.424 | ng    | 95       |
| 56) 4-Nitrophenol             | 9.933  | 139  | 217063   | 40.307 | ng    | # 78     |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 299386   | 41.370 | ng    | # 92     |
| 58) Fluorene                  | 10.380 | 166  | 969176   | 36.332 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 292802m  | 39.257 | ng    |          |
| 60) Diethylphthalate          | 10.257 | 149  | 1074611  | 38.377 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 485037   | 36.992 | ng    | 91       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 273261   | 42.341 | ng    | 89       |
| 63) Azobenzene                | 10.533 | 77   | 1123414  | 37.342 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 119943   | 39.641 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 948547   | 37.951 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 330514   | 38.449 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 343637   | 37.857 | ng    | 99       |
| 69) Atrazine                  | 11.022 | 200  | 266635   | 39.579 | ng    | 97       |
| 70) Pentachlorophenol         | 11.110 | 266  | 238400   | 42.417 | ng    | 96       |
| 71) Phenanthrene              | 11.339 | 178  | 1563111  | 37.476 | ng    | 100      |
| 72) Anthracene                | 11.392 | 178  | 1577058  | 37.016 | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 1407093  | 36.990 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1588808  | 39.313 | ng    | 98       |
| 75) Fluoranthene              | 12.527 | 202  | 1629705  | 36.989 | ng    | 96       |
| 77) Benzidine                 | 12.651 | 184  | 470254   | 43.482 | ng    | 96       |
| 78) Pyrene                    | 12.757 | 202  | 1666439  | 38.655 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 622664   | 42.714 | ng    | # 95     |
| 81) Benzo(a)anthracene        | 13.945 | 228  | 1379999  | 38.738 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.916 | 252  | 405343   | 39.254 | ng    | # 99     |
| 83) Chrysene                  | 13.986 | 228  | 1333978  | 38.435 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 713153   | 41.571 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1091383  | 41.835 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 1056499  | 39.587 | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 1063120  | 38.414 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 1084479  | 39.336 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.357 | 252  | 999163   | 38.721 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 16.909 | 278  | 872627   | 40.459 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 874057   | 39.729 | ng    | # 94     |

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

