

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022822\  
 Data File : BF127090.D  
 Acq On : 28 Feb 2022 10:27  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/01/2022  
 Supervised By : Jagrut Upadhyay 03/01/2022

Quant Time: Feb 28 16:55:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 24 02:10:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 99791    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 386586   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.945  | 164  | 198372   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 359101   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.086 | 240  | 230724   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.580 | 264  | 161734   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 514549   | 79.694 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.534  | 99   | 681299   | 78.201 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 672798   | 78.555 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.739 | 330  | 199775   | 87.468 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 1070848  | 79.470 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 1230808  | 78.420 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 112793   | 38.177 | ng    | 97       |
| 3) Pyridine                   | 3.451  | 79   | 305333   | 39.401 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 145096   | 38.222 | ng    | # 74     |
| 6) Aniline                    | 6.569  | 93   | 395212   | 38.286 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.686  | 128  | 274618   | 39.641 | ng    | 98       |
| 9) Benzaldehyde               | 6.457  | 77   | 187122   | 35.285 | ng    | 97       |
| 10) Phenol                    | 6.545  | 94   | 368631   | 41.875 | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 6.639  | 93   | 259027   | 37.515 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.845  | 146  | 297995   | 39.876 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.922  | 146  | 306680   | 40.480 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.075  | 146  | 283932   | 39.300 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.045  | 79   | 278300   | 37.918 | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175  | 45   | 363948   | 33.475 | ng    | 93       |
| 17) 2-Methylphenol            | 7.151  | 107  | 232176   | 38.737 | ng    | 93       |
| 18) Hexachloroethane          | 7.416  | 117  | 114396   | 39.393 | ng    | # 89     |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 205758   | 36.652 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.304  | 107  | 300462   | 38.605 | ng    | # 85     |
| 22) Acetophenone              | 7.316  | 105  | 396234   | 38.928 | ng    | # 93     |
| 24) Nitrobenzene              | 7.486  | 77   | 314528   | 38.875 | ng    | 94       |
| 25) Isophorone                | 7.728  | 82   | 533522   | 37.645 | ng    | # 95     |
| 26) 2-Nitrophenol             | 7.804  | 139  | 144748   | 42.019 | ng    | # 87     |
| 27) 2,4-Dimethylphenol        | 7.833  | 122  | 210527   | 37.201 | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 7.933  | 93   | 325053   | 37.832 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.045  | 162  | 218731   | 41.111 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.128  | 180  | 241552   | 40.609 | ng    | 98       |
| 31) Naphthalene               | 8.210  | 128  | 793774   | 39.334 | ng    | 99       |
| 32) Benzoic acid              | 7.957  | 122  | 152079   | 37.893 | ng    | 91       |
| 33) 4-Chloroaniline           | 8.257  | 127  | 311283   | 39.189 | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 143290   | 41.262 | ng    | 97       |
| 35) Caprolactam               | 8.633  | 113  | 73676    | 39.654 | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.733  | 107  | 274454   | 40.362 | ng    | 92       |
| 37) 2-Methylnaphthalene       | 8.898  | 142  | 512226   | 39.117 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.998  | 142  | 493510   | 39.357 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 213834   | 40.950 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 102497   | 36.191 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.180  | 196  | 153856   | 40.172 | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.222  | 196  | 161803   | 40.147 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 9.363  | 154  | 619145   | 39.394 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.392  | 162  | 458044   | 39.301 | ng    | 94       |
| 48) 2-Nitroaniline            | 9.486  | 65   | 181783   | 39.525 | ng    | 96       |
| 49) Acenaphthylene            | 9.810  | 152  | 754823   | 39.871 | ng    | 98       |
| 50) Dimethylphthalate         | 9.663  | 163  | 555099   | 39.148 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.727  | 165  | 116911   | 40.526 | ng    | # 79     |
| 52) Acenaphthene              | 9.980  | 154  | 490806m  | 39.863 | ng    |          |
| 53) 3-Nitroaniline            | 9.904  | 138  | 145753   | 41.332 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 10.004 | 184  | 63890    | 41.842 | ng    | # 83     |
| 55) Dibenzofuran              | 10.151 | 168  | 677286   | 40.005 | ng    | # 89     |
| 56) 4-Nitrophenol             | 10.057 | 139  | 106822   | 41.014 | ng    | # 74     |
| 57) 2,4-Dinitrotoluene        | 10.133 | 165  | 162333   | 41.618 | ng    | # 98     |
| 58) Fluorene                  | 10.498 | 166  | 532768   | 40.399 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232  | 131695   | 41.217 | ng    | 95       |
| 60) Diethylphthalate          | 10.363 | 149  | 572862   | 38.665 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.486 | 204  | 251581   | 40.457 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.516 | 138  | 147522   | 42.364 | ng    | # 77     |
| 63) Azobenzene                | 10.645 | 77   | 613495   | 37.186 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198  | 91194    | 43.221 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.604 | 169  | 454030   | 38.558 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248  | 159685   | 39.800 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.045 | 284  | 174278   | 40.348 | ng    | 91       |
| 69) Atrazine                  | 11.133 | 200  | 146679   | 40.163 | ng    | 96       |
| 70) Pentachlorophenol         | 11.239 | 266  | 99329    | 42.127 | ng    | 98       |
| 71) Phenanthrene              | 11.463 | 178  | 794187   | 39.513 | ng    | 99       |
| 72) Anthracene                | 11.516 | 178  | 788949   | 39.429 | ng    | 100      |
| 73) Carbazole                 | 11.668 | 167  | 732204   | 39.903 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.992 | 149  | 890533   | 37.751 | ng    | 100      |
| 75) Fluoranthene              | 12.657 | 202  | 770207   | 40.357 | ng    | 93       |
| 77) Benzidine                 | 12.774 | 184  | 278206   | 44.370 | ng    | 98       |
| 78) Pyrene                    | 12.886 | 202  | 772418   | 38.534 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.498 | 149  | 354446   | 37.351 | ng    | # 89     |
| 81) Benzo(a)anthracene        | 14.074 | 228  | 618641   | 39.772 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.033 | 252  | 193477   | 39.469 | ng    | 99       |
| 83) Chrysene                  | 14.115 | 228  | 590563   | 40.375 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149  | 436461   | 35.033 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 604002   | 33.672 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.103 | 276  | 430896   | 40.631 | ng    | # 85     |
| 88) Benzo(b)fluoranthene      | 15.139 | 252  | 427143   | 39.322 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.168 | 252  | 435574   | 41.573 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.515 | 252  | 340776   | 40.163 | ng    | # 93     |
| 91) Dibenzo(a,h)anthracene    | 17.121 | 278  | 352651   | 40.207 | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.568 | 276  | 363470   | 42.034 | ng    | # 86     |

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

