

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF073021\  
 Data File : BF124868.D  
 Acq On : 30 Jul 2021 10:26  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 8/2/2021 3:44:25 PM

Quant Time: Jul 30 11:14:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 7070     | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 27338    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 15505    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 26955    | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 19077    | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.515 | 264  | 13718    | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 36590    | 87.628 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 46358    | 88.558 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 44617    | 97.136 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 12503    | 93.919 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 89670    | 84.942 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 99212    | 89.146 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.669  | 88   | 6954     | 47.643 | ng    | # 100    |
| 3) Pyridine                   | 3.422  | 79   | 16451    | 47.612 | ng    | # 93     |
| 4) n-Nitrosodimethylamine     | 3.393  | 42   | 11886    | 43.499 | ng    | 89       |
| 6) Aniline                    | 6.539  | 93   | 25594    | 47.574 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 20166    | 42.818 | ng    | 95       |
| 9) Benzaldehyde               | 6.428  | 77   | 12755    | 45.256 | ng    | 91       |
| 10) Phenol                    | 6.516  | 94   | 24509    | 48.891 | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 18976    | 47.742 | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 22078    | 43.132 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 22780    | 44.484 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 21644    | 43.745 | ng    | 96       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 17580    | 51.069 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 29948    | 44.766 | ng    | 92       |
| 17) 2-Methylphenol            | 7.128  | 107  | 16301    | 47.510 | ng    | 95       |
| 18) Hexachloroethane          | 7.386  | 117  | 9242     | 47.615 | ng    | # 87     |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 14481    | 51.805 | ng    | 90       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 20298    | 44.777 | ng    | # 85     |
| 22) Acetophenone              | 7.286  | 105  | 28590    | 45.129 | ng    | 96       |
| 24) Nitrobenzene              | 7.457  | 77   | 21715    | 48.221 | ng    | # 88     |
| 25) Isophorone                | 7.698  | 82   | 39069    | 48.103 | ng    | # 92     |
| 26) 2-Nitrophenol             | 7.775  | 139  | 10895    | 43.681 | ng    | # 86     |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 16025    | 41.754 | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 21430    | 45.405 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 17791    | 43.770 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 19584    | 43.961 | ng    | 98       |
| 31) Naphthalene               | 8.180  | 128  | 60845    | 42.648 | ng    | 99       |
| 32) Benzoic acid              | 7.939  | 122  | 9822m    | 33.064 | ng    |          |
| 33) 4-Chloroaniline           | 8.228  | 127  | 22929    | 42.740 | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 11986    | 45.010 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 4386     | 41.517 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 18144    | 46.799 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 40225    | 42.197 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 38258    | 42.365 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 19214    | 44.414 | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 9852     | 38.492 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 13510    | 43.991 | ng    | 98       |

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|--------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 9.186  | 196  | 13337    | 42.295 | ng    | 93       |
| 46) 1,1'-Biphenyl              | 9.333  | 154  | 49764    | 42.998 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.363  | 162  | 39272    | 42.864 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.457  | 65   | 11664    | 48.619 | ng    | 88       |
| 49) Acenaphthylene             | 9.774  | 152  | 58826    | 41.634 | ng    | 98       |
| 50) Dimethylphthalate          | 9.639  | 163  | 46061    | 43.144 | ng    | # 99     |
| 51) 2,6-Dinitrotoluene         | 9.698  | 165  | 10476    | 44.416 | ng    | # 84     |
| 52) Acenaphthene               | 9.951  | 154  | 35997    | 38.432 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.869  | 138  | 9922     | 39.986 | ng    | # 77     |
| 54) 2,4-Dinitrophenol          | 9.974  | 184  | 4916     | 36.044 | ng    | 93       |
| 55) Dibenzofuran               | 10.122 | 168  | 56475    | 42.195 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.027 | 139  | 7020     | 35.825 | ng    | 88       |
| 57) 2,4-Dinitrotoluene         | 10.104 | 165  | 14184    | 44.315 | ng    | # 97     |
| 58) Fluorene                   | 10.463 | 166  | 42102    | 41.005 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.239 | 232  | 10157    | 40.785 | ng    | # 96     |
| 60) Diethylphthalate           | 10.333 | 149  | 48528    | 43.711 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.451 | 204  | 21750    | 43.820 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.486 | 138  | 9974     | 40.622 | ng    | 97       |
| 63) Azobenzene                 | 10.616 | 77   | 46330    | 47.171 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph...  | 10.516 | 198  | 7600     | 43.537 | ng    | 86       |
| 66) n-Nitrosodiphenylamine     | 10.574 | 169  | 36877    | 42.217 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether  | 10.945 | 248  | 13435    | 46.996 | ng    | 91       |
| 68) Hexachlorobenzene          | 11.010 | 284  | 14055    | 47.340 | ng    | 92       |
| 69) Atrazine                   | 11.098 | 200  | 11629    | 43.788 | ng    | 92       |
| 70) Pentachlorophenol          | 11.204 | 266  | 6687     | 36.221 | ng    | 93       |
| 71) Phenanthrene               | 11.427 | 178  | 63341    | 43.691 | ng    | 99       |
| 72) Anthracene                 | 11.480 | 178  | 61880    | 42.695 | ng    | 98       |
| 73) Carbazole                  | 11.633 | 167  | 56423    | 41.531 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.957 | 149  | 78188    | 43.208 | ng    | 99       |
| 75) Fluoranthene               | 12.615 | 202  | 62866    | 42.493 | ng    | 97       |
| 77) Benzidine                  | 12.733 | 184  | 20236    | 37.617 | ng    | 98       |
| 78) Pyrene                     | 12.845 | 202  | 64389    | 42.634 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.457 | 149  | 31392    | 43.397 | ng    | 93       |
| 81) Benzo(a)anthracene         | 14.033 | 228  | 51883    | 41.606 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.992 | 252  | 13884    | 40.119 | ng    | 93       |
| 83) Chrysene                   | 14.074 | 228  | 49941    | 41.570 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha...  | 14.010 | 149  | 45724    | 42.914 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 14.627 | 149  | 70466    | 40.755 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 17.003 | 276  | 32996    | 41.663 | ng    | 92       |
| 88) Benzo(b)fluoranthene       | 15.086 | 252  | 40141    | 41.560 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 15.115 | 252  | 39591    | 44.862 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.456 | 252  | 34012    | 42.155 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.027 | 278  | 28516    | 41.130 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene       | 17.456 | 276  | 26340    | 40.063 | ng    | 93       |

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

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