

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122121\  
 Data File : BM033553.D  
 Acq On : 21 Dec 2021 13:34  
 Operator : CG/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/31/2021  
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 21 14:47:47 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM122121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 21 14:01:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.907  | 152  | 29078    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.719 | 136  | 120120   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.560 | 164  | 90563    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.306 | 188  | 199238   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.483 | 240  | 165699   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.883 | 264  | 155021   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.472  | 112  | 162273   | 96.296  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.084  | 99   | 231850   | 102.522 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.083  | 82   | 292440   | 104.535 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.048 | 330  | 111305   | 109.258 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.183 | 172  | 627919   | 95.912  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.930 | 244  | 994947   | 94.531  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.354  | 88   | 29975    | 40.835  | ng    | 97       |
| 3) Pyridine                   | 3.766  | 79   | 88329m   | 49.205  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.678  | 42   | 62585    | 49.014  | ng    | # 82     |
| 6) Aniline                    | 7.242  | 93   | 131174   | 50.789  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.472  | 128  | 90232    | 49.393  | ng    | 98       |
| 9) Benzaldehyde               | 7.054  | 77   | 65324m   | 40.003  | ng    |          |
| 10) Phenol                    | 7.107  | 94   | 116430   | 50.962  | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 7.337  | 93   | 87304    | 48.497  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.795  | 146  | 103637   | 46.697  | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 7.942  | 146  | 105437   | 46.293  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.260  | 146  | 103318   | 46.241  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.160  | 79   | 110918   | 54.417  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.442  | 45   | 149964   | 46.851  | ng    | 100      |
| 17) 2-Methylphenol            | 8.360  | 107  | 84356    | 51.955  | ng    | 92       |
| 18) Hexachloroethane          | 8.989  | 117  | 44409    | 46.795  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.731  | 70   | 90149    | 50.563  | ng    | 92       |
| 20) 3+4-Methylphenols         | 8.695  | 107  | 116404   | 53.745  | ng    | 95       |
| 22) Acetophenone              | 8.742  | 105  | 168095   | 51.687  | ng    | # 92     |
| 24) Nitrobenzene              | 9.125  | 77   | 137411   | 50.006  | ng    | 97       |
| 25) Isophorone                | 9.654  | 82   | 228459   | 50.440  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.836  | 139  | 53869    | 56.125  | ng    | # 85     |
| 27) 2,4-Dimethylphenol        | 9.895  | 122  | 81010    | 51.358  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.136 | 93   | 128622   | 51.700  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.372 | 162  | 98510    | 54.754  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.577 | 180  | 110057   | 48.243  | ng    | 96       |
| 31) Naphthalene               | 10.772 | 128  | 320969   | 49.326  | ng    | 100      |
| 32) Benzoic acid              | 10.066 | 122  | 70955    | 71.950  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.889 | 127  | 129852   | 61.683  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.048 | 225  | 73729    | 46.354  | ng    | 99       |
| 35) Caprolactam               | 11.701 | 113  | 21139    | 59.476  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.019 | 107  | 125833   | 54.492  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.383 | 142  | 229983   | 51.094  | ng    | # 95     |
| 38) 1-Methylnaphthalene       | 12.601 | 142  | 231530   | 51.568  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.748 | 216  | 127565   | 48.897  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.719 | 237  | 75584    | 66.995  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.995 | 196  | 92208    | 52.857  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.066 | 196  | 98103    | 52.695 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.395 | 154  | 328118   | 48.929 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.436 | 162  | 254019   | 49.002 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.648 | 65   | 104523   | 59.185 | ng    | 93       |
| 49) Acenaphthylene            | 14.283 | 152  | 408043   | 49.684 | ng    | 99       |
| 50) Dimethylphthalate         | 14.024 | 163  | 343362   | 50.055 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.148 | 165  | 70723    | 54.552 | ng    | # 83     |
| 52) Acenaphthene              | 14.624 | 154  | 246045   | 49.328 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.477 | 138  | 74118    | 60.957 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.683 | 184  | 48339    | 85.515 | ng    | # 84     |
| 55) Dibenzofuran              | 14.960 | 168  | 422102   | 49.935 | ng    | 94       |
| 56) 4-Nitrophenol             | 14.789 | 139  | 57928    | 67.606 | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 14.930 | 165  | 100968   | 56.948 | ng    | 92       |
| 58) Fluorene                  | 15.607 | 166  | 338051   | 49.832 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.183 | 232  | 88843m   | 52.452 | ng    |          |
| 60) Diethylphthalate          | 15.383 | 149  | 370866   | 50.276 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.601 | 204  | 178747   | 50.753 | ng    | 93       |
| 62) 4-Nitroaniline            | 15.642 | 138  | 78608    | 71.223 | ng    | # 73     |
| 63) Azobenzene                | 15.895 | 77   | 418547   | 50.577 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.695 | 198  | 68787    | 67.889 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.818 | 169  | 292808   | 49.504 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.495 | 248  | 104675   | 48.151 | ng    | # 89     |
| 68) Hexachlorobenzene         | 16.607 | 284  | 114164   | 48.908 | ng    | 99       |
| 69) Atrazine                  | 16.771 | 200  | 59974    | 47.825 | ng    | 96       |
| 70) Pentachlorophenol         | 16.954 | 266  | 73087    | 55.779 | ng    | 97       |
| 71) Phenanthrene              | 17.348 | 178  | 537316   | 48.455 | ng    | 99       |
| 72) Anthracene                | 17.442 | 178  | 533358   | 49.199 | ng    | 99       |
| 73) Carbazole                 | 17.718 | 167  | 510276   | 53.314 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.271 | 149  | 637500   | 47.912 | ng    | # 98     |
| 75) Fluoranthene              | 19.359 | 202  | 603764   | 47.332 | ng    | 98       |
| 77) Benzidine                 | 19.553 | 184  | 69738    | 90.013 | ng    | 99       |
| 78) Pyrene                    | 19.724 | 202  | 617056   | 47.198 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.618 | 149  | 270882   | 46.295 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.471 | 228  | 547618   | 49.309 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.406 | 252  | 248612   | 57.095 | ng    | 99       |
| 83) Chrysene                  | 21.524 | 228  | 526991   | 49.284 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.394 | 149  | 377554   | 44.024 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.318 | 149  | 607640   | 43.587 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.371 | 276  | 549664   | 76.907 | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.153 | 252  | 499407   | 50.239 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 23.200 | 252  | 481079   | 47.845 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 23.777 | 252  | 412606   | 55.466 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 26.388 | 278  | 464042   | 86.561 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.141 | 276  | 461569   | 66.954 | ng    | # 95     |

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

