

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121621\  
 Data File : BM033492.D  
 Acq On : 16 Dec 2021 19:48  
 Operator : CG/JU  
 Sample : PB141339BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB141339BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/17/2021  
 Supervised By : Jagrut Upadhyay 12/17/2021

Quant Time: Dec 17 08:00:38 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM121621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 17:10:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.936  | 152  | 34618    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.748 | 136  | 148477   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.583 | 164  | 95817    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.336 | 188  | 179912   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.512 | 240  | 113013   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.930 | 264  | 87579    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.501  | 112  | 198282   | 98.834  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.113  | 99   | 256783   | 95.376  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.113  | 82   | 311041   | 89.949  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.077 | 330  | 88558    | 82.163  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.207 | 172  | 632404   | 91.300  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.953 | 244  | 747818   | 104.175 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.390  | 88   | 28363    | 38.229  | ng    | 94       |
| 3) Pyridine                   | 3.801  | 79   | 66019    | 30.891  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.707  | 42   | 70589    | 46.436  | ng    | 83       |
| 6) Aniline                    | 7.272  | 93   | 159057   | 51.729  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.501  | 128  | 106459   | 48.950  | ng    | 98       |
| 9) Benzaldehyde               | 7.084  | 77   | 89372    | 55.980  | ng    | 99       |
| 10) Phenol                    | 7.137  | 94   | 137580   | 50.582  | ng    | 85       |
| 11) bis(2-Chloroethyl)ether   | 7.366  | 93   | 103145   | 48.127  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.825  | 146  | 121274   | 45.899  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.972  | 146  | 125984   | 46.462  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.289  | 146  | 120297   | 45.224  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.189  | 79   | 122890m  | 50.642  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.466  | 45   | 177336   | 46.536  | ng    | 99       |
| 17) 2-Methylphenol            | 8.389  | 107  | 96481    | 49.913  | ng    | 94       |
| 18) Hexachloroethane          | 9.019  | 117  | 52816    | 46.748  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.760  | 70   | 99682    | 46.962  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.725  | 107  | 127790   | 49.560  | ng    | 93       |
| 22) Acetophenone              | 8.778  | 105  | 186705   | 46.445  | ng    | 94       |
| 24) Nitrobenzene              | 9.154  | 77   | 158144   | 46.559  | ng    | 96       |
| 25) Isophorone                | 9.683  | 82   | 249019   | 44.479  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.866  | 139  | 57364    | 48.352  | ng    | # 91     |
| 27) 2,4-Dimethylphenol        | 9.925  | 122  | 103108   | 52.883  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.166 | 93   | 137875   | 44.835  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.401 | 162  | 107655   | 48.409  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.613 | 180  | 124790   | 44.254  | ng    | 97       |
| 31) Naphthalene               | 10.801 | 128  | 362862   | 45.114  | ng    | 99       |
| 32) Benzoic acid              | 10.089 | 122  | 61168    | 45.170  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.925 | 127  | 101663   | 39.070  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.077 | 225  | 84363    | 42.910  | ng    | 96       |
| 35) Caprolactam               | 11.730 | 113  | 28285    | 64.383  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.042 | 107  | 126655   | 44.372  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.413 | 142  | 261840   | 47.061  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.630 | 142  | 243320m  | 43.843  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.777 | 216  | 139053   | 50.378  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.748 | 237  | 179341   | 150.246 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.019 | 196  | 88341    | 47.863  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.095 | 196  | 94089    | 47.768  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.419 | 154  | 346550   | 48.844  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.466 | 162  | 260034   | 47.412  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.677 | 65   | 90469    | 48.418  | ng    | 94       |
| 49) Acenaphthylene            | 14.307 | 152  | 407641   | 46.913  | ng    | 99       |
| 50) Dimethylphthalate         | 14.048 | 163  | 313792   | 43.236  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.171 | 165  | 64701    | 47.170  | ng    | # 81     |
| 52) Acenaphthene              | 14.648 | 154  | 246483   | 46.706  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.507 | 138  | 47150    | 36.652  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.707 | 184  | 58592    | 80.986  | ng    | # 82     |
| 55) Dibenzofuran              | 14.983 | 168  | 391416   | 43.766  | ng    | 93       |
| 56) 4-Nitrophenol             | 14.818 | 139  | 87903    | 85.365  | ng    | # 84     |
| 57) 2,4-Dinitrotoluene        | 14.960 | 165  | 87813    | 46.813  | ng    | 96       |
| 58) Fluorene                  | 15.636 | 166  | 316168   | 44.051  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.213 | 232  | 78533    | 43.823  | ng    | 94       |
| 60) Diethylphthalate          | 15.407 | 149  | 330620   | 42.363  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.630 | 204  | 163495   | 43.877  | ng    | 94       |
| 62) 4-Nitroaniline            | 15.665 | 138  | 54467    | 41.050  | ng    | # 78     |
| 63) Azobenzene                | 15.918 | 77   | 381364   | 43.557  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.718 | 198  | 41076    | 44.894  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.842 | 169  | 263714   | 49.375  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.524 | 248  | 93701    | 47.733  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.630 | 284  | 101355   | 48.085  | ng    | 94       |
| 69) Atrazine                  | 16.801 | 200  | 91356    | 80.676  | ng    | 99       |
| 70) Pentachlorophenol         | 16.983 | 266  | 117185   | 99.040  | ng    | 96       |
| 71) Phenanthrene              | 17.377 | 178  | 460840   | 46.023  | ng    | 100      |
| 72) Anthracene                | 17.465 | 178  | 465040   | 47.505  | ng    | 98       |
| 73) Carbazole                 | 17.742 | 167  | 364454   | 42.169  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.301 | 149  | 527418   | 43.896  | ng    | 98       |
| 75) Fluoranthene              | 19.389 | 202  | 469101   | 40.725  | ng    | 98       |
| 77) Benzidine                 | 19.583 | 184  | 195692   | 370.339 | ng    | 98       |
| 78) Pyrene                    | 19.753 | 202  | 467041   | 52.377  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.647 | 149  | 191102   | 47.887  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.494 | 228  | 339149   | 44.775  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.436 | 252  | 102086   | 34.374  | ng    | 99       |
| 83) Chrysene                  | 21.547 | 228  | 333971   | 45.793  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.418 | 149  | 276193   | 47.219  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.353 | 149  | 420196   | 44.193  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.435 | 276  | 213115   | 52.780  | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.194 | 252  | 280127   | 49.881  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.241 | 252  | 263279   | 46.348  | ng    | 97       |
| 90) Benzo(a)pyrene            | 23.824 | 252  | 237957   | 56.621  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 26.453 | 278  | 165731   | 54.722  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.206 | 276  | 206194   | 52.943  | ng    | 96       |

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

