

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062222\  
 Data File : BM035602.D  
 Acq On : 22 Jun 2022 16:15  
 Operator : CG/JU  
 Sample : PB145755BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB145755BS

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Jun 23 07:35:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM061022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 23 07:33:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|---------|-------|----------|----------------------------------|
| Internal Standards            |        |      |          |         |       |          | 06/23/2022                       |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 220170   | 20.000  | ng    | 0.00     | Supervised By :Jagrut<br>padhyay |
| 21) Naphthalene-d8            | 10.598 | 136  | 904049   | 20.000  | ng    | 0.00     |                                  |
| 39) Acenaphthene-d10          | 14.445 | 164  | 485956   | 20.000  | ng    | 0.00     |                                  |
| 64) Phenanthrene-d10          | 17.192 | 188  | 811048   | 20.000  | ng    | 0.00     |                                  |
| 76) Chrysene-d12              | 21.380 | 240  | 683832   | 20.000  | ng    | 0.00     |                                  |
| 86) Perylene-d12              | 23.715 | 264  | 816505   | 20.000  | ng    | 0.00     | 06/23/2022                       |
| System Monitoring Compounds   |        |      |          |         |       |          |                                  |
| 5) 2-Fluorophenol             | 5.404  | 112  | 1890880  | 145.638 | ng    | 0.00     |                                  |
| 7) Phenol-d6                  | 7.004  | 99   | 2351240  | 130.683 | ng    | 0.00     |                                  |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 1385960  | 83.311  | ng    | 0.00     |                                  |
| 42) 2,4,6-Tribromophenol      | 15.939 | 330  | 660254   | 127.615 | ng    | 0.00     |                                  |
| 45) 2-Fluorobiphenyl          | 13.069 | 172  | 3139480  | 92.295  | ng    | 0.00     |                                  |
| 79) Terphenyl-d14             | 19.815 | 244  | 3209816  | 89.622  | ng    | 0.00     |                                  |
| Target Compounds              |        |      |          |         |       |          | Qvalue                           |
| 2) 1,4-Dioxane                | 3.293  | 88   | 202365   | 40.865  | ng    | #        | 95                               |
| 3) Pyridine                   | 3.699  | 79   | 531986   | 38.411  | ng    |          | 93                               |
| 4) n-Nitrosodimethylamine     | 3.610  | 42   | 265270   | 41.496  | ng    | #        | 65                               |
| 6) Aniline                    | 7.134  | 93   | 942303   | 48.454  | ng    |          | 97                               |
| 8) 2-Chlorophenol             | 7.381  | 128  | 769909   | 51.658  | ng    |          | 93                               |
| 9) Benzaldehyde               | 6.951  | 77   | 439897   | 48.703  | ng    |          | 89                               |
| 10) Phenol                    | 7.034  | 94   | 877366   | 50.198  | ng    |          | 90                               |
| 11) bis(2-Chloroethyl)ether   | 7.234  | 93   | 666519   | 47.576  | ng    |          | 96                               |
| 12) 1,3-Dichlorobenzene       | 7.687  | 146  | 793620   | 49.916  | ng    |          | 96                               |
| 13) 1,4-Dichlorobenzene       | 7.834  | 146  | 806844   | 49.571  | ng    |          | 98                               |
| 14) 1,2-Dichlorobenzene       | 8.151  | 146  | 782936   | 49.284  | ng    |          | 99                               |
| 15) Benzyl Alcohol            | 8.057  | 79   | 537319m  | 44.579  | ng    |          |                                  |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 980888   | 40.314  | ng    |          | 99                               |
| 17) 2-Methylphenol            | 8.275  | 107  | 589858   | 49.179  | ng    |          | 94                               |
| 18) Hexachloroethane          | 8.869  | 117  | 284739   | 48.778  | ng    |          | 96                               |
| 19) n-Nitroso-di-n-propyla... | 8.616  | 70   | 486577   | 43.025  | ng    |          | 90                               |
| 20) 3+4-Methylphenols         | 8.610  | 107  | 785094   | 46.695  | ng    |          | 95                               |
| 22) Acetophenone              | 8.634  | 105  | 1046405  | 47.789  | ng    | #        | 94                               |
| 24) Nitrobenzene              | 9.010  | 77   | 722322   | 47.421  | ng    |          | 92                               |
| 25) Isophorone                | 9.533  | 82   | 1321442  | 48.843  | ng    |          | 97                               |
| 26) 2-Nitrophenol             | 9.722  | 139  | 400859   | 51.422  | ng    |          | 89                               |
| 27) 2,4-Dimethylphenol        | 9.798  | 122  | 631140   | 55.250  | ng    |          | 97                               |
| 28) bis(2-Chloroethoxy)met... | 10.016 | 93   | 874581   | 46.460  | ng    |          | 99                               |
| 29) 2,4-Dichlorophenol        | 10.280 | 162  | 638937   | 50.192  | ng    |          | 99                               |
| 30) 1,2,4-Trichlorobenzene    | 10.463 | 180  | 681659   | 48.168  | ng    |          | 98                               |
| 31) Naphthalene               | 10.645 | 128  | 2197308  | 48.525  | ng    |          | 100                              |
| 32) Benzoic acid              | 10.004 | 122  | 383883   | 37.159  | ng    |          | 93                               |
| 33) 4-Chloroaniline           | 10.775 | 127  | 609897   | 33.103  | ng    |          | 95                               |
| 34) Hexachlorobutadiene       | 10.927 | 225  | 393542   | 49.414  | ng    |          | 98                               |
| 35) Caprolactam               | 11.580 | 113  | 181299   | 42.018  | ng    |          | 91                               |
| 36) 4-Chloro-3-methylphenol   | 11.927 | 107  | 630396   | 43.681  | ng    |          | 100                              |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 1485192  | 47.627  | ng    |          | 97                               |
| 38) 1-Methylnaphthalene       | 12.480 | 142  | 1410840  | 46.289  | ng    |          | 99                               |
| 40) 1,2,4,5-Tetrachloroben... | 12.639 | 216  | 705700   | 51.526  | ng    |          | 98                               |
| 41) Hexachlorocyclopentadiene | 12.610 | 237  | 678502   | 121.792 | ng    |          | 99                               |
| 43) 2,4,6-Trichlorophenol     | 12.892 | 196  | 458234   | 48.776  | ng    |          | 99                               |

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| 44) 2,4,5-Trichlorophenol     | 12.986 | 196  | 478619   | 47.225 | ng    | 96       | 06/23/2022                     |
| 46) 1,1'-Biphenyl             | 13.280 | 154  | 1861749  | 49.191 | ng    | 99       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 13.321 | 162  | 1408702  | 49.491 | ng    | 99       |                                |
| 48) 2-Nitroaniline            | 13.539 | 65   | 362818   | 42.108 | ng    | 88       |                                |
| 49) Acenaphthylene            | 14.163 | 152  | 2167193  | 48.608 | ng    | 99       |                                |
| 50) Dimethylphthalate         | 13.910 | 163  | 1637860  | 45.801 | ng    | 99       |                                |
| 51) 2,6-Dinitrotoluene        | 14.033 | 165  | 362229   | 48.388 | ng    | # 82     | 06/23/2022                     |
| 52) Acenaphthene              | 14.510 | 154  | 1294010  | 49.825 | ng    | 99       |                                |
| 53) 3-Nitroaniline            | 14.374 | 138  | 288045   | 35.854 | ng    | 91       |                                |
| 54) 2,4-Dinitrophenol         | 14.586 | 184  | 359732   | 76.621 | ng    | # 82     |                                |
| 55) Dibenzofuran              | 14.845 | 168  | 1969962  | 47.344 | ng    | 96       |                                |
| 56) 4-Nitrophenol             | 14.733 | 139  | 405099   | 65.024 | ng    | # 80     |                                |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 468579   | 49.292 | ng    | 96       |                                |
| 58) Fluorene                  | 15.492 | 166  | 1556095  | 47.872 | ng    | 100      |                                |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 371820   | 46.132 | ng    | # 92     |                                |
| 60) Diethylphthalate          | 15.274 | 149  | 1577239  | 45.068 | ng    | 98       |                                |
| 61) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 746816   | 47.480 | ng    | 98       |                                |
| 62) 4-Nitroaniline            | 15.539 | 138  | 322965m  | 41.538 | ng    |          |                                |
| 63) Azobenzene                | 15.780 | 77   | 1386936  | 41.841 | ng    | 93       |                                |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 230282   | 45.096 | ng    | 95       |                                |
| 66) n-Nitrosodiphenylamine    | 15.704 | 169  | 1317399  | 54.546 | ng    | 99       |                                |
| 67) 4-Bromophenyl-phenylether | 16.380 | 248  | 448969   | 53.650 | ng    | 95       |                                |
| 68) Hexachlorobenzene         | 16.504 | 284  | 498929   | 54.533 | ng    | # 90     |                                |
| 69) Atrazine                  | 16.662 | 200  | 410759   | 56.024 | ng    | 97       |                                |
| 70) Pentachlorophenol         | 16.857 | 266  | 471157   | 97.800 | ng    | 99       |                                |
| 71) Phenanthrene              | 17.233 | 178  | 2152590  | 50.008 | ng    | 99       |                                |
| 72) Anthracene                | 17.327 | 178  | 2181783  | 51.948 | ng    | 99       |                                |
| 73) Carbazole                 | 17.604 | 167  | 1879720  | 46.158 | ng    | 98       |                                |
| 74) Di-n-butylphthalate       | 18.162 | 149  | 2355863  | 48.368 | ng    | 99       |                                |
| 75) Fluoranthene              | 19.250 | 202  | 2170438  | 48.557 | ng    | 97       |                                |
| 77) Benzidine                 | 19.445 | 184  | 1222803  | 97.274 | ng    | 99       |                                |
| 78) Pyrene                    | 19.615 | 202  | 2211778  | 46.081 | ng    | 99       |                                |
| 80) Butylbenzylphthalate      | 20.515 | 149  | 911725   | 42.881 | ng    | 94       |                                |
| 81) Benzo(a)anthracene        | 21.362 | 228  | 2117470  | 49.704 | ng    | 98       |                                |
| 82) 3,3'-Dichlorobenzidine    | 21.303 | 252  | 704861   | 71.869 | ng    | 99       |                                |
| 83) Chrysene                  | 21.415 | 228  | 2023290  | 49.169 | ng    | 99       |                                |
| 84) Bis(2-ethylhexyl)phtha... | 21.292 | 149  | 1328940  | 43.581 | ng    | 98       |                                |
| 85) Di-n-octyl phthalate      | 22.197 | 149  | 2253987  | 45.496 | ng    | 95       |                                |
| 87) Indeno(1,2,3-cd)pyrene    | 26.126 | 276  | 3010642  | 53.374 | ng    | # 94     |                                |
| 88) Benzo(b)fluoranthene      | 23.003 | 252  | 2363085  | 49.134 | ng    | # 97     |                                |
| 89) Benzo(k)fluoranthene      | 23.050 | 252  | 2431145  | 49.931 | ng    | # 97     |                                |
| 90) Benzo(a)pyrene            | 23.609 | 252  | 2222062  | 54.762 | ng    | # 96     |                                |
| 91) Dibenzo(a,h)anthracene    | 26.138 | 278  | 2632367  | 56.412 | ng    | # 96     |                                |
| 92) Benzo(g,h,i)perylene      | 26.868 | 276  | 2676760  | 57.669 | ng    | 96       |                                |

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

