

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032823\  
 Data File : BM039178.D  
 Acq On : 28 Mar 2023 14:12  
 Operator : CG/JU  
 Sample : PB151601BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151601BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/29/2023  
 Supervised By : Jagrut Upadhyay 03/29/2023

Quant Time: Mar 29 01:27:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 28 01:46:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.939  | 152  | 325026   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.751 | 136  | 1362549  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.586 | 164  | 847861   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.327 | 188  | 1688252  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.509 | 240  | 1316595  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.927 | 264  | 1235050  | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 2666663  | 124.650 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.116  | 99   | 3526279  | 126.900 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.110  | 82   | 2106527  | 75.942  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.074 | 330  | 1235275  | 125.940 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.210 | 172  | 4605177  | 70.707  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.950 | 244  | 5847742  | 81.207  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.363  | 88   | 356248   | 37.431  | ng    | 99       |
| 3) Pyridine                   | 3.769  | 79   | 936541   | 35.481  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.681  | 42   | 422065   | 39.295  | ng    | 94       |
| 6) Aniline                    | 7.263  | 93   | 1514790  | 41.518  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.504  | 128  | 1195623  | 52.495  | ng    | 98       |
| 9) Benzaldehyde               | 7.075  | 77   | 685210   | 51.819  | ng    | 96       |
| 10) Phenol                    | 7.140  | 94   | 1531096  | 51.886  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.363  | 93   | 1100486  | 45.869  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.828  | 146  | 1132356  | 46.783  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.975  | 146  | 1157472  | 47.020  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.292  | 146  | 1123171  | 47.367  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.187  | 79   | 1039581  | 52.195  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 1459847  | 48.180  | ng    | 99       |
| 17) 2-Methylphenol            | 8.392  | 107  | 1032893  | 50.954  | ng    | 99       |
| 18) Hexachloroethane          | 9.022  | 117  | 443291   | 48.807  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.757  | 70   | 898197   | 51.318  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.722  | 107  | 1403136  | 51.840  | ng    | 98       |
| 22) Acetophenone              | 8.775  | 105  | 1744993  | 45.647  | ng    | # 97     |
| 24) Nitrobenzene              | 9.151  | 77   | 1286219  | 44.116  | ng    | 98       |
| 25) Isophorone                | 9.681  | 82   | 2461151  | 48.215  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.863  | 139  | 645110   | 49.980  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.928  | 122  | 1162185  | 52.253  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.163 | 93   | 1572797  | 47.954  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.404 | 162  | 1127875  | 53.487  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.616 | 180  | 1069392  | 46.409  | ng    | 99       |
| 31) Naphthalene               | 10.804 | 128  | 3430739  | 44.156  | ng    | 100      |
| 32) Benzoic acid              | 10.104 | 122  | 912736   | 54.984  | ng    | 100      |
| 33) 4-Chloroaniline           | 10.916 | 127  | 711663   | 21.493  | ng    | 100      |
| 34) Hexachlorobutadiene       | 11.080 | 225  | 601621   | 45.529  | ng    | 98       |
| 35) Caprolactam               | 11.727 | 113  | 359435m  | 56.005  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.045 | 107  | 1193368  | 53.147  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.410 | 142  | 2364113  | 45.398  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.627 | 142  | 2217310  | 45.435  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.780 | 216  | 1204413  | 43.696  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.757 | 237  | 1307327  | 86.407  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.021 | 196  | 878535   | 49.221  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.092 | 196  | 950589   | 45.500  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.421 | 154  | 3165407  | 44.069  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.463 | 162  | 2413461  | 44.559  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.669 | 65   | 788575   | 45.589  | ng    | 96       |
| 49) Acenaphthylene            | 14.310 | 152  | 3836192  | 44.465  | ng    | 100      |
| 50) Dimethylphthalate         | 14.045 | 163  | 2989580  | 45.823  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.168 | 165  | 668901   | 46.403  | ng    | 94       |
| 52) Acenaphthene              | 14.651 | 154  | 2268627  | 42.787  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.498 | 138  | 474653   | 28.798  | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.704 | 184  | 898268   | 106.477 | ng    | 91       |
| 55) Dibenzofuran              | 14.980 | 168  | 3600326  | 43.393  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.815 | 139  | 1245078  | 96.091  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.957 | 165  | 897823   | 47.314  | ng    | 96       |
| 58) Fluorene                  | 15.633 | 166  | 2881795  | 44.340  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.210 | 232  | 789865   | 49.022  | ng    | 97       |
| 60) Diethylphthalate          | 15.404 | 149  | 3028872  | 47.713  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.621 | 204  | 1439747  | 45.091  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.662 | 138  | 725914   | 42.491  | ng    | 96       |
| 63) Azobenzene                | 15.915 | 77   | 3087225  | 45.961  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.715 | 198  | 546270   | 49.106  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.839 | 169  | 2537424  | 44.583  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.515 | 248  | 858151   | 47.061  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.633 | 284  | 966747   | 47.425  | ng    | 100      |
| 69) Atrazine                  | 16.798 | 200  | 841031   | 54.100  | ng    | 98       |
| 70) Pentachlorophenol         | 16.980 | 266  | 1255346  | 83.728  | ng    | 99       |
| 71) Phenanthrene              | 17.374 | 178  | 4286262  | 43.259  | ng    | 100      |
| 72) Anthracene                | 17.462 | 178  | 4417262  | 44.704  | ng    | 100      |
| 73) Carbazole                 | 17.739 | 167  | 4027774  | 44.663  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.298 | 149  | 5138472  | 46.764  | ng    | 99       |
| 75) Fluoranthene              | 19.386 | 202  | 4504295  | 43.055  | ng    | 99       |
| 77) Benzidine                 | 19.574 | 184  | 2547451  | 81.137  | ng    | 98       |
| 78) Pyrene                    | 19.750 | 202  | 4747895  | 48.013  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.645 | 149  | 2156362  | 51.057  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.497 | 228  | 4342793  | 45.803  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 1214400  | 41.675  | ng    | 99       |
| 83) Chrysene                  | 21.550 | 228  | 4011181  | 43.498  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.415 | 149  | 3114451  | 51.062  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.350 | 149  | 5100212  | 50.351  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.450 | 276  | 3898040  | 41.478  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.191 | 252  | 3834956  | 48.603  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.244 | 252  | 3804246  | 46.328  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.821 | 252  | 3289519  | 43.318  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.468 | 278  | 3272667  | 41.120  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.226 | 276  | 3173625  | 40.758  | ng    | 99       |

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

