

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072823\  
 Data File : BM041178.D  
 Acq On : 28 Jul 2023 22:55  
 Operator : MA/JU  
 Sample : PB154118BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB154118BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/29/2023  
 Supervised By :mohammad ahmed 07/29/2023

Quant Time: Jul 29 01:20:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 29 00:19:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 151721   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.616 | 136  | 582476   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.468 | 164  | 312153   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 602968   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.427 | 240  | 582863   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.797 | 264  | 652193   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 1597795  | 157.397 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.987  | 99   | 1986821  | 150.990 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.986  | 82   | 1267798  | 101.220 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.974 | 330  | 710563   | 160.934 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.092 | 172  | 2599882  | 105.214 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.862 | 244  | 3673922  | 113.966 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.269  | 88   | 148014   | 34.084  | ng    | 99       |
| 3) Pyridine                   | 3.669  | 79   | 410184   | 35.923  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 225662   | 42.731  | ng    | 92       |
| 6) Aniline                    | 7.139  | 93   | 670255   | 43.524  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 508451   | 51.306  | ng    | 100      |
| 9) Benzaldehyde               | 6.951  | 77   | 331145m  | 47.693  | ng    |          |
| 10) Phenol                    | 7.016  | 94   | 643461   | 50.630  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.239  | 93   | 506350   | 49.220  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.692  | 146  | 555043   | 51.452  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.839  | 146  | 564654   | 52.077  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.157  | 146  | 539917   | 51.934  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.063  | 79   | 455612   | 54.828  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.345  | 45   | 659333   | 48.102  | ng    | 98       |
| 17) 2-Methylphenol            | 8.263  | 107  | 419067   | 48.264  | ng    | 100      |
| 18) Hexachloroethane          | 8.875  | 117  | 213078   | 52.786  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.628  | 70   | 394317   | 49.336  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.598  | 107  | 561964   | 48.406  | ng    | 97       |
| 22) Acetophenone              | 8.645  | 105  | 741675   | 48.078  | ng    | 99       |
| 24) Nitrobenzene              | 9.028  | 77   | 580784   | 45.852  | ng    | 99       |
| 25) Isophorone                | 9.551  | 82   | 1033011  | 48.586  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.733  | 139  | 260300   | 52.569  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.798  | 122  | 440568   | 50.563  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.039 | 93   | 638080   | 47.910  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.269 | 162  | 445864   | 50.743  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.475 | 180  | 494270   | 50.914  | ng    | 99       |
| 31) Naphthalene               | 10.663 | 128  | 1476111  | 46.700  | ng    | 99       |
| 32) Benzoic acid              | 9.963  | 122  | 303321   | 46.597  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.792 | 127  | 368121   | 29.142  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.933 | 225  | 302807   | 51.862  | ng    | 98       |
| 35) Caprolactam               | 11.604 | 113  | 127143m  | 50.020  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.922 | 107  | 448000   | 48.441  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.280 | 142  | 974006   | 45.707  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.504 | 142  | 911250   | 45.689  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.651 | 216  | 514616   | 50.771  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.621 | 237  | 684199   | 127.592 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.904 | 196  | 339628   | 52.278  | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 12.974 | 196  | 356940   | 47.470  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.304 | 154  | 1217225  | 48.100  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.345 | 162  | 937974   | 49.641  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.568 | 65   | 293041   | 48.586  | ng    | 94       |
| 49) Acenaphthylene            | 14.192 | 152  | 1458171  | 47.812  | ng    | 99       |
| 50) Dimethylphthalate         | 13.939 | 163  | 1136268  | 48.392  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.068 | 165  | 241756   | 49.691  | ng    | 96       |
| 52) Acenaphthene              | 14.533 | 154  | 868791   | 47.286  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.398 | 138  | 203308   | 36.751  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.610 | 184  | 223797   | 68.984  | ng    | 92       |
| 55) Dibenzofuran              | 14.874 | 168  | 1376477  | 45.919  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.715 | 139  | 450633   | 111.137 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 322383   | 46.490  | ng    | 92       |
| 58) Fluorene                  | 15.521 | 166  | 1103070  | 46.645  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232  | 309320   | 50.801  | ng    | 97       |
| 60) Diethylphthalate          | 15.304 | 149  | 1112633  | 49.000  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204  | 571386   | 48.217  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.568 | 138  | 214978   | 41.997  | ng    | 98       |
| 63) Azobenzene                | 15.815 | 77   | 1134481  | 45.611  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 198  | 148458   | 40.643  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.739 | 169  | 924515   | 49.300  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.415 | 248  | 337954   | 51.119  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.527 | 284  | 386090   | 52.520  | ng    | 97       |
| 69) Atrazine                  | 16.704 | 200  | 330851   | 67.181  | ng    | 99       |
| 70) Pentachlorophenol         | 16.880 | 266  | 550552   | 108.155 | ng    | 99       |
| 71) Phenanthrene              | 17.274 | 178  | 1617853  | 48.292  | ng    | 100      |
| 72) Anthracene                | 17.362 | 178  | 1632193  | 49.261  | ng    | 99       |
| 73) Carbazole                 | 17.645 | 167  | 1488103  | 49.622  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.203 | 149  | 1850524  | 54.607  | ng    | 100      |
| 75) Fluoranthene              | 19.292 | 202  | 1872456  | 49.749  | ng    | 100      |
| 77) Benzidine                 | 19.492 | 184  | 1095440  | 137.889 | ng    | 100      |
| 78) Pyrene                    | 19.656 | 202  | 1964996  | 48.208  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.562 | 149  | 829051   | 55.697  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.409 | 228  | 1988076  | 50.314  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.350 | 252  | 738849   | 57.303  | ng    | 100      |
| 83) Chrysene                  | 21.462 | 228  | 1809454  | 47.344  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1223460  | 51.559  | ng #  | 97       |
| 85) Di-n-octyl phthalate      | 22.256 | 149  | 2103229  | 55.908  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.250 | 276  | 2392138  | 49.888  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.080 | 252  | 1996374  | 51.527  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.127 | 252  | 2034488  | 51.335  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.691 | 252  | 1776051  | 47.708  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.262 | 278  | 2019880  | 50.504  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.003 | 276  | 1916760  | 48.979  | ng    | 98       |

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

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