

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061324\  
 Data File : BP020617.D  
 Acq On : 13 Jun 2024 18:50  
 Operator : MA/JU  
 Sample : P2864-01MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-HMS

Quant Time: Jun 13 23:36:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024  
 Supervised By :mohammad ahmed 06/15/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.746  | 152  | 225134   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.516 | 136  | 883591   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.381 | 164  | 579452   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.186 | 188  | 1216876  | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.639 | 240  | 1087842  | 20.000  | ng    | -0.03    |
| 86) Perylene-d12              | 24.998 | 264  | 1307447  | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1458236  | 115.971 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 1927033  | 108.671 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 1164393  | 72.136  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.898 | 330  | 914320   | 152.042 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.987 | 172  | 2772237  | 71.320  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.922 | 244  | 4283067  | 65.544  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 185081   | 36.428  | ng    | 95       |
| 3) Pyridine                   | 3.711  | 79   | 489408   | 34.260  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 259863   | 37.453  | ng    | 94       |
| 6) Aniline                    | 7.087  | 93   | 383555   | 21.346  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.322  | 128  | 654290   | 46.418  | ng    | 97       |
| 9) Benzaldehyde               | 6.910  | 77   | 56494m   | 4.967   | ng    |          |
| 10) Phenol                    | 6.957  | 94   | 794336   | 43.732  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.181  | 93   | 594486   | 39.686  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.640  | 146  | 697444   | 41.996  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.787  | 146  | 722117   | 42.781  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.099  | 146  | 694554   | 42.637  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.993  | 79   | 563447   | 43.016  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263  | 45   | 831768   | 37.192  | ng    | 97       |
| 17) 2-Methylphenol            | 8.193  | 107  | 531089   | 43.086  | ng    | 99       |
| 18) Hexachloroethane          | 8.816  | 117  | 263516   | 42.755  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.552  | 70   | 463045   | 38.251  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.516  | 107  | 732000   | 43.661  | ng    | 100      |
| 22) Acetophenone              | 8.569  | 105  | 937156   | 42.729  | ng    | # 97     |
| 24) Nitrobenzene              | 8.946  | 77   | 679303   | 41.467  | ng    | 97       |
| 25) Isophorone                | 9.463  | 82   | 1276235  | 40.694  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.640  | 139  | 344383   | 52.736  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.699  | 122  | 461113   | 48.668  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.940  | 93   | 783965   | 40.670  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 624360   | 49.119  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.381 | 180  | 684434   | 45.356  | ng    | 99       |
| 31) Naphthalene               | 10.569 | 128  | 1960202  | 43.396  | ng    | 100      |
| 32) Benzoic acid              | 9.863  | 122  | 460863   | 50.743  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.687 | 127  | 352700   | 20.185  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.840 | 225  | 427767   | 45.001  | ng    | 99       |
| 35) Caprolactam               | 11.487 | 113  | 203945   | 43.782  | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 11.810 | 107  | 679961   | 45.688  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.181 | 142  | 1373397  | 42.432  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.404 | 142  | 1293501  | 40.314  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.545 | 216  | 788083   | 47.006  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.522 | 237  | 486159   | 82.509  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.798 | 196  | 529776   | 52.276  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.875 | 196  | 571829   | 48.909  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.204 | 154  | 1800156  | 44.020  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.245 | 162  | 1423730  | 43.794  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.451 | 65   | 429889   | 48.801  | ng    | 98       |
| 49) Acenaphthylene            | 14.098 | 152  | 2291534  | 47.504  | ng    | 100      |
| 50) Dimethylphthalate         | 13.834 | 163  | 1743281  | 42.680  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.963 | 165  | 394479   | 45.184  | ng    | 92       |
| 52) Acenaphthene              | 14.445 | 154  | 1297525  | 42.642  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.292 | 138  | 300698   | 34.337  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.498 | 184  | 303276   | 77.965  | ng    | 94       |
| 55) Dibenzofuran              | 14.786 | 168  | 2159723  | 44.806  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.610 | 139  | 715014   | 105.550 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.757 | 165  | 556389   | 48.493  | ng    | 93       |
| 58) Fluorene                  | 15.451 | 166  | 1703761  | 44.029  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.022 | 232  | 519836   | 54.331  | ng    | 96       |
| 60) Diethylphthalate          | 15.216 | 149  | 1765701  | 42.526  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204  | 878746   | 44.007  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.481 | 138  | 406237   | 45.033  | ng    | 98       |
| 63) Azobenzene                | 15.745 | 77   | 1645440  | 42.441  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 198  | 229670   | 43.437  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.663 | 169  | 1520784  | 45.456  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248  | 584159   | 46.923  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.475 | 284  | 677540   | 46.243  | ng    | 99       |
| 69) Atrazine                  | 16.645 | 200  | 571970   | 48.595  | ng    | 100      |
| 70) Pentachlorophenol         | 16.828 | 266  | 906443   | 101.862 | ng    | 99       |
| 71) Phenanthrene              | 17.233 | 178  | 2771041  | 46.324  | ng    | 100      |
| 72) Anthracene                | 17.328 | 178  | 2750645  | 46.861  | ng    | 99       |
| 73) Carbazole                 | 17.604 | 167  | 2571889  | 45.298  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 3165079  | 46.033  | ng    | 99       |
| 75) Fluoranthene              | 19.322 | 202  | 3232181  | 45.673  | ng    | 99       |
| 77) Benzidine                 | 19.533 | 184  | 1514951  | 40.270  | ng    | 98       |
| 78) Pyrene                    | 19.704 | 202  | 3333558  | 40.740  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.657 | 149  | 1434298  | 43.753  | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.621 | 228  | 3264039  | 45.569  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.545 | 252  | 1074352  | 50.457  | ng    | 99       |
| 83) Chrysene                  | 21.686 | 228  | 3126726  | 46.326  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.563 | 149  | 2055236  | 44.133  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.845 | 149  | 3501657  | 51.734  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.821 | 276  | 4099089  | 51.558  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 23.933 | 252  | 3334321  | 40.936  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.004 | 252  | 3287397  | 41.381  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.851 | 252  | 3127746  | 46.367  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.903 | 278  | 3286430  | 49.558  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.986 | 276  | 3160338  | 47.679  | ng    | 97       |

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

