

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081123\  
 Data File : BM041390.D  
 Acq On : 11 Aug 2023 16:52  
 Operator : MA/JU  
 Sample : 03954-04MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-16MSD

Quant Time: Aug 11 18:41:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 11 17:51:06 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/12/2023  
 Supervised By :mohammad ahmed 08/12/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 137581   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.581 | 136  | 615695   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 413256   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.204 | 188  | 945704   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.415 | 240  | 1029427  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.780 | 264  | 1252368  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 886659   | 96.321  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.963  | 99   | 1226615  | 102.798 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.951  | 82   | 748995   | 56.573  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.945 | 330  | 578292   | 98.933  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 1639699  | 50.123  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.845 | 244  | 2903260  | 50.992  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.246  | 88   | 125730   | 31.928  | ng    | 96       |
| 3) Pyridine                   | 3.652  | 79   | 330205   | 31.891  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.569  | 42   | 196043   | 40.938  | ng    | 97       |
| 6) Aniline                    | 7.110  | 93   | 447851   | 32.071  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.340  | 128  | 460705   | 51.266  | ng    | 100      |
| 9) Benzaldehyde               | 6.928  | 77   | 224976m  | 35.732  | ng    |          |
| 10) Phenol                    | 6.987  | 94   | 613306   | 53.217  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.210  | 93   | 433245   | 46.442  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.657  | 146  | 446822   | 45.677  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.810  | 146  | 458711   | 46.654  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.122  | 146  | 449244   | 47.653  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 437053m  | 58.000  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 529597   | 42.608  | ng    | 94       |
| 17) 2-Methylphenol            | 8.239  | 107  | 405358   | 51.484  | ng    | 97       |
| 18) Hexachloroethane          | 8.839  | 117  | 175908   | 48.056  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.598  | 70   | 379001   | 52.293  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.569  | 107  | 557933   | 52.998  | ng    | 98       |
| 22) Acetophenone              | 8.616  | 105  | 699779   | 42.915  | ng    | 99       |
| 24) Nitrobenzene              | 8.998  | 77   | 554640   | 41.426  | ng    | 99       |
| 25) Isophorone                | 9.522  | 82   | 1053717  | 46.886  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.704  | 139  | 258729   | 49.433  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 419354   | 45.532  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 619279   | 43.990  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.239 | 162  | 484100   | 52.122  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.445 | 180  | 478309   | 46.611  | ng    | 97       |
| 31) Naphthalene               | 10.633 | 128  | 1401549  | 41.949  | ng    | 99       |
| 32) Benzoic acid              | 9.963  | 122  | 354527   | 50.768  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.769 | 127  | 243250   | 18.218  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.898 | 225  | 300815   | 48.741  | ng    | 99       |
| 35) Caprolactam               | 11.592 | 113  | 155616   | 57.918  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.904 | 107  | 521432   | 53.339  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 1004317  | 44.587  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.469 | 142  | 968680   | 45.948  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 564957   | 42.102  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.586 | 237  | 551473   | 77.681  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.874 | 196  | 409822   | 47.650  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.951 | 196  | 452827   | 45.489 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.274 | 154  | 1386115  | 41.374 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 1080328  | 43.187 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.545 | 65   | 366573   | 45.909 | ng    | 99       |
| 49) Acenaphthylene            | 14.163 | 152  | 1793464  | 44.419 | ng    | 100      |
| 50) Dimethylphthalate         | 13.916 | 163  | 1430756  | 46.026 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.045 | 165  | 312872   | 48.575 | ng    | 98       |
| 52) Acenaphthene              | 14.510 | 154  | 1034163  | 42.517 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.380 | 138  | 273900   | 37.353 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.598 | 184  | 409590   | 93.134 | ng    | 94       |
| 55) Dibenzofuran              | 14.845 | 168  | 1728543  | 43.556 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.704 | 139  | 499841   | 93.114 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.839 | 165  | 438832   | 47.725 | ng    | 95       |
| 58) Fluorene                  | 15.498 | 166  | 1415916  | 45.226 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.080 | 232  | 409522   | 50.803 | ng    | 98       |
| 60) Diethylphthalate          | 15.280 | 149  | 1448204  | 48.175 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 730373   | 46.555 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.551 | 138  | 286949   | 42.308 | ng    | 93       |
| 63) Azobenzene                | 15.786 | 77   | 1499330  | 45.532 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 259704   | 45.331 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.715 | 169  | 1210770  | 41.166 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.392 | 248  | 450933   | 43.489 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.498 | 284  | 532243   | 46.162 | ng    | 99       |
| 69) Atrazine                  | 16.680 | 200  | 456759   | 59.135 | ng    | 100      |
| 70) Pentachlorophenol         | 16.857 | 266  | 639162   | 80.057 | ng    | 99       |
| 71) Phenanthrene              | 17.245 | 178  | 2224903  | 42.344 | ng    | 99       |
| 72) Anthracene                | 17.339 | 178  | 2259237  | 43.475 | ng    | 100      |
| 73) Carbazole                 | 17.621 | 167  | 2059814  | 43.793 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 2636235  | 49.600 | ng    | 100      |
| 75) Fluoranthene              | 19.274 | 202  | 2765291  | 46.844 | ng    | 98       |
| 77) Benzidine                 | 19.480 | 184  | 1148919  | 81.884 | ng    | 99       |
| 78) Pyrene                    | 19.639 | 202  | 2908491  | 40.402 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.545 | 149  | 1268439  | 48.249 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.397 | 228  | 3142136  | 45.025 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 1012692  | 44.471 | ng    | 99       |
| 83) Chrysene                  | 21.450 | 228  | 2889781  | 42.811 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149  | 1930145  | 46.326 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.233 | 149  | 3466988  | 52.181 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.232 | 276  | 3681793  | 39.987 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 23.062 | 252  | 3368835  | 45.281 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 23.109 | 252  | 3226391  | 42.395 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.674 | 252  | 2964219  | 41.466 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 26.238 | 278  | 3137268  | 40.850 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 26.979 | 276  | 2821959  | 37.553 | ng    | 96       |

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

