

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100522\  
 Data File : BM036838.D  
 Acq On : 05 Oct 2022 16:45  
 Operator : CG/JU  
 Sample : N4860-07MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-05MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/06/2022  
 Supervised By :mohammad ahmed 10/10/2022

Quant Time: Oct 06 02:35:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 04 03:17:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 340885   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.781 | 136  | 1378356  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.604 | 164  | 722506   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 1233002  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.509 | 240  | 937147   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.921 | 264  | 991302   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 1405036  | 73.149  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.134  | 99   | 1095475  | 40.602  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.145  | 82   | 2592400  | 100.599 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 963915   | 170.105 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.233 | 172  | 5070186  | 108.204 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.951 | 244  | 4894211  | 104.052 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.399  | 88   | 170622   | 20.616  | ng    | 97       |
| 3) Pyridine                   | 3.810  | 79   | 410561   | 16.071  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.716  | 42   | 213644   | 19.268  | ng    | 94       |
| 6) Aniline                    | 7.298  | 93   | 1048310  | 30.601  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.534  | 128  | 951451   | 41.513  | ng    | 97       |
| 9) Benzaldehyde               | 7.110  | 77   | 458487m  | 26.531  | ng    |          |
| 10) Phenol                    | 7.157  | 94   | 437915   | 14.171  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.398  | 93   | 1255106  | 49.722  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.863  | 146  | 1220649  | 48.611  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.010  | 146  | 1259522  | 48.944  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.328  | 146  | 1220151  | 49.499  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.216  | 79   | 596189m  | 28.361  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.510  | 45   | 1650013  | 44.755  | ng    | 98       |
| 17) 2-Methylphenol            | 8.422  | 107  | 650475   | 32.238  | ng    | 97       |
| 18) Hexachloroethane          | 9.057  | 117  | 535537   | 56.412  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.787  | 70   | 936623   | 45.702  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.751  | 107  | 731027   | 26.355  | ng    | 99       |
| 22) Acetophenone              | 8.804  | 105  | 1841756  | 53.235  | ng    | # 97     |
| 24) Nitrobenzene              | 9.187  | 77   | 1346432  | 49.406  | ng    | 97       |
| 25) Isophorone                | 9.716  | 82   | 2489864  | 52.263  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.898  | 139  | 565073   | 51.756  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.957  | 122  | 968582   | 54.945  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.192 | 93   | 1552612  | 53.876  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.428 | 162  | 915215   | 49.170  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.645 | 180  | 999603   | 49.875  | ng    | 99       |
| 31) Naphthalene               | 10.834 | 128  | 3608467  | 48.458  | ng    | 99       |
| 32) Benzoic acid              | 10.039 | 122  | 171218   | 16.473  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.945 | 127  | 744233   | 24.863  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.116 | 225  | 559042   | 51.003  | ng    | 99       |
| 35) Caprolactam               | 11.751 | 113  | 37077    | 5.772   | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.063 | 107  | 876195   | 40.041  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.439 | 142  | 2400973  | 48.000  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.657 | 142  | 2279465  | 46.562  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.804 | 216  | 1036306  | 58.428  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.780 | 237  | 1190293  | 137.005 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.039 | 196  | 661460   | 54.396  | ng    | 99       |

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### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/06/2022  
 Supervised By :mohammad ahmed 10/10/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.110 | 196  | 699191   | 51.658  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.439 | 154  | 2972863  | 55.812  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.486 | 162  | 2178691  | 53.263  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.686 | 65   | 629469   | 44.225  | ng    | 99       |
| 49) Acenaphthylene            | 14.327 | 152  | 3444374  | 51.996  | ng    | 100      |
| 50) Dimethylphthalate         | 14.063 | 163  | 2529619  | 49.648  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.180 | 165  | 534093   | 52.463  | ng    | 95       |
| 52) Acenaphthene              | 14.669 | 154  | 2131732  | 51.785  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.510 | 138  | 170560   | 13.955  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.716 | 184  | 563735   | 91.565  | ng    | 93       |
| 55) Dibenzofuran              | 14.998 | 168  | 3180946  | 51.038  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.816 | 139  | 289832   | 29.663  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.963 | 165  | 690326   | 46.856  | ng    | 95       |
| 58) Fluorene                  | 15.645 | 166  | 2623683  | 51.382  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.221 | 232  | 538478   | 48.103  | ng    | # 97     |
| 60) Diethylphthalate          | 15.421 | 149  | 2540636  | 48.078  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 1177366  | 52.761  | ng    | 94       |
| 62) 4-Nitroaniline            | 15.669 | 138  | 496171   | 36.705  | ng    | 98       |
| 63) Azobenzene                | 15.933 | 77   | 2693078  | 45.823  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.721 | 198  | 324743   | 47.893  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.857 | 169  | 2100175  | 55.130  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.533 | 248  | 648018   | 56.993  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.645 | 284  | 706783   | 56.134  | ng    | 94       |
| 69) Atrazine                  | 16.810 | 200  | 585806   | 55.821  | ng    | 98       |
| 70) Pentachlorophenol         | 16.986 | 266  | 850781   | 110.099 | ng    | 99       |
| 71) Phenanthrene              | 17.380 | 178  | 3489982  | 50.557  | ng    | 99       |
| 72) Anthracene                | 17.474 | 178  | 3535884  | 53.717  | ng    | 99       |
| 73) Carbazole                 | 17.745 | 167  | 3305980  | 53.810  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.304 | 149  | 3992929  | 51.899  | ng    | 99       |
| 75) Fluoranthene              | 19.392 | 202  | 3521489  | 49.581  | ng    | 98       |
| 77) Benzidine                 | 19.580 | 184  | 145818   | 7.416   | ng    | # 93     |
| 78) Pyrene                    | 19.751 | 202  | 3580670  | 50.737  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.645 | 149  | 1529932  | 46.442  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.492 | 228  | 3139801  | 51.582  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 839738   | 50.822  | ng    | 99       |
| 83) Chrysene                  | 21.545 | 228  | 2986220  | 50.935  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 2200188  | 46.195  | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.350 | 149  | 3404727  | 45.932  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.438 | 276  | 3817313  | 58.311  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.186 | 252  | 3227684  | 51.380  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.233 | 252  | 3238918  | 50.111  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.815 | 252  | 2854143  | 56.494  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.456 | 278  | 3408158  | 62.494  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.215 | 276  | 3369310  | 63.634  | ng    | 97       |

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

