

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080822\  
 Data File : BM036161.D  
 Acq On : 09 Aug 2022 01:32  
 Operator : CG/JU  
 Sample : N3962-20MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-205MS

Quant Time: Aug 09 02:50:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 08 23:36:56 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian  
 Giraldo

08/09/2022  
 Supervised By :Jagrut  
 Upadhyay

08/09/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.845  | 152  | 254514   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.651 | 136  | 1012423  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.486 | 164  | 576493   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 1145667  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.415 | 240  | 1069347  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.774 | 264  | 1169854  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 2146823  | 136.753 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.057  | 99   | 2647241  | 132.526 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 1594775  | 88.175  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.980 | 330  | 963511   | 142.467 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.116 | 172  | 3483859  | 89.226  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.856 | 244  | 4974206  | 91.751  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.275  | 88   | 298239   | 47.146  | ng    | 93       |
| 3) Pyridine                   | 3.687  | 79   | 830568   | 48.963  | ng    | 88       |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 387753   | 55.626  | ng    | # 66     |
| 6) Aniline                    | 7.181  | 93   | 983501   | 44.462  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.422  | 128  | 1004693  | 60.025  | ng    | 95       |
| 9) Benzaldehyde               | 6.987  | 77   | 604795   | 57.191  | ng    | 92       |
| 10) Phenol                    | 7.081  | 94   | 1213662  | 60.342  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.275  | 93   | 954777   | 57.626  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.728  | 146  | 1080305  | 58.244  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.881  | 146  | 1100846  | 58.199  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.192  | 146  | 1058025  | 57.971  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.104  | 79   | 804051m  | 59.984  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381  | 45   | 1249693  | 56.723  | ng    | 97       |
| 17) 2-Methylphenol            | 8.322  | 107  | 797412   | 59.893  | ng    | 96       |
| 18) Hexachloroethane          | 8.922  | 117  | 394229   | 57.897  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.663  | 70   | 673833   | 55.536  | ng    | # 88     |
| 20) 3+4-Methylphenols         | 8.657  | 107  | 1054881  | 58.317  | ng    | 93       |
| 22) Acetophenone              | 8.681  | 105  | 1428771  | 59.617  | ng    | # 92     |
| 24) Nitrobenzene              | 9.057  | 77   | 1029754  | 60.563  | ng    | 96       |
| 25) Isophorone                | 9.586  | 82   | 1878547  | 63.846  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.769  | 139  | 526267   | 65.622  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.851  | 122  | 881768   | 70.978  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93   | 1182675  | 56.419  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.316 | 162  | 879404   | 62.946  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.510 | 180  | 911878   | 57.597  | ng    | 97       |
| 31) Naphthalene               | 10.698 | 128  | 2994790  | 59.497  | ng    | 99       |
| 32) Benzoic acid              | 10.039 | 122  | 732745   | 74.407  | ng    | 94       |
| 33) 4-Chloroaniline           | 10.827 | 127  | 672959   | 33.174  | ng    | 95       |
| 34) Hexachlorobutadiene       | 10.975 | 225  | 544025   | 58.477  | ng    | 98       |
| 35) Caprolactam               | 11.639 | 113  | 268999   | 62.511  | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 11.980 | 107  | 886376   | 60.361  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 2012125  | 60.071  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.533 | 142  | 1911235  | 58.266  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.680 | 216  | 962651   | 61.592  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.651 | 237  | 521358   | 62.983  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.933 | 196  | 666057   | 62.628  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080822\  
 Data File : BM036161.D  
 Acq On : 09 Aug 2022 01:32  
 Operator : CG/JU  
 Sample : N3962-20MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-205MS

Quant Time: Aug 09 02:50:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 08 23:36:56 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian  
 Giraldo

08/09/2022  
 Supervised By :Jagrut  
 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|---------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.016 | 196  | 715471   | 63.730  | ng    | 97       |    |
| 46) 1,1'-Biphenyl             | 13.327 | 154  | 2540495  | 60.469  | ng    | 99       |    |
| 47) 2-Chloronaphthalene       | 13.368 | 162  | 1936654  | 60.228  | ng    | 99       |    |
| 48) 2-Nitroaniline            | 13.586 | 65   | 573973   | 65.500  | ng    | 90       |    |
| 49) Acenaphthylene            | 14.210 | 152  | 3104895  | 62.466  | ng    | 100      |    |
| 50) Dimethylphthalate         | 13.957 | 163  | 2264988  | 57.775  | ng    | 99       |    |
| 51) 2,6-Dinitrotoluene        | 14.080 | 165  | 504064   | 64.083  | ng    | 90       |    |
| 52) Acenaphthene              | 14.551 | 154  | 2144934m | 65.968  | ng    |          |    |
| 53) 3-Nitroaniline            | 14.415 | 138  | 517151   | 56.352  | ng    | 94       |    |
| 54) 2,4-Dinitrophenol         | 14.615 | 184  | 424551   | 101.996 | ng    | 89       |    |
| 55) Dibenzofuran              | 14.886 | 168  | 2877906  | 59.106  | ng    | 98       |    |
| 56) 4-Nitrophenol             | 14.762 | 139  | 1006638  | 137.069 | ng    | 85       |    |
| 57) 2,4-Dinitrotoluene        | 14.863 | 165  | 688310   | 66.762  | ng    | 98       |    |
| 58) Fluorene                  | 15.533 | 166  | 2318326  | 60.361  | ng    | 99       |    |
| 59) 2,3,4,6-Tetrachlorophenol | 15.121 | 232  | 581397   | 61.135  | ng    | 98       |    |
| 60) Diethylphthalate          | 15.315 | 149  | 2320339  | 57.594  | ng    | 100      |    |
| 61) 4-Chlorophenyl-phenyle... | 15.527 | 204  | 1088697  | 56.846  | ng    | 98       |    |
| 62) 4-Nitroaniline            | 15.580 | 138  | 588925m  | 62.379  | ng    |          |    |
| 63) Azobenzene                | 15.821 | 77   | 2185953  | 57.075  | ng    | 93       |    |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 198  | 263521   | 44.985  | ng    | 96       |    |
| 66) n-Nitrosodiphenylamine    | 15.751 | 169  | 1922041  | 59.429  | ng    | 99       |    |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248  | 666092   | 58.125  | ng    | 97       |    |
| 68) Hexachlorobenzene         | 16.527 | 284  | 791474   | 60.194  | ng    | 95       |    |
| 69) Atrazine                  | 16.709 | 200  | 650150   | 71.842  | ng    | 97       |    |
| 70) Pentachlorophenol         | 16.886 | 266  | 1013831  | 131.654 | ng    | 99       |    |
| 71) Phenanthrene              | 17.274 | 178  | 4813303  | 82.465  | ng    | 99       |    |
| 72) Anthracene                | 17.362 | 178  | 3735027  | 66.097  | ng    | 99       |    |
| 73) Carbazole                 | 17.645 | 167  | 3605449  | 62.971  | ng    | 99       |    |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 4052659  | 59.294  | ng    | 99       |    |
| 75) Fluoranthene              | 19.292 | 202  | 8776779  | 134.334 | ng    | 98       |    |
| 77) Benzidine                 | 19.480 | 184  | 1379435  | 86.016  | ng    | 99       |    |
| 78) Pyrene                    | 19.650 | 202  | 9073894  | 136.841 | ng    | 97       |    |
| 80) Butylbenzylphthalate      | 20.550 | 149  | 1829173  | 63.913  | ng    | 98       |    |
| 81) Benzo(a)anthracene        | 21.397 | 228  | 7768849  | 117.951 | ng    | 97       |    |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 1326380  | 82.934  | ng    | 99       |    |
| 83) Chrysene                  | 21.450 | 228  | 7855953  | 125.473 | ng    | 97       |    |
| 84) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 2658868  | 61.580  | ng    | #        | 99 |
| 85) Di-n-octyl phthalate      | 22.233 | 149  | 4445218  | 63.083  | ng    | #        | 94 |
| 87) Indeno(1,2,3-cd)pyrene    | 26.244 | 276  | 8263660  | 100.518 | ng    | 98       |    |
| 88) Benzo(b)fluoranthene      | 23.062 | 252  | 10503970 | 153.251 | ng    | 97       |    |
| 89) Benzo(k)fluoranthene      | 23.109 | 252  | 6613136  | 95.529  | ng    | 98       |    |
| 90) Benzo(a)pyrene            | 23.680 | 252  | 8629466  | 150.058 | ng    | 97       |    |
| 91) Dibenzo(a,h)anthracene    | 26.256 | 278  | 4989247  | 72.502  | ng    | 98       |    |
| 92) Benzo(g,h,i)perylene      | 27.003 | 276  | 7697119  | 115.538 | ng    | 99       |    |

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

