

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080922\  
 Data File : BM036178.D  
 Acq On : 09 Aug 2022 16:54  
 Operator : CG/JU  
 Sample : N4101-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

TP2-8-8MS

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 08/10/2022  
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 03:34:52 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

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 236198   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.645 | 136  | 929826   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.486 | 164  | 499734   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 943829   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.415 | 240  | 935442   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.768 | 264  | 1069806  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1839668  | 126.275 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.057  | 99   | 2319748  | 125.137 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 1350359  | 81.294  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.980 | 330  | 717247   | 122.344 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.116 | 172  | 2614248  | 77.238  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.856 | 244  | 3396288  | 71.613  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 3.275  | 88   | 265365   | 45.203  | ng    | 92       |
| 3) Pyridine                   | 3.687  | 79   | 703355   | 44.679  | ng    | 88       |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 326417   | 50.459  | ng    | # 61     |
| 6) Aniline                    | 7.175  | 93   | 697269   | 33.966  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.416  | 128  | 802895   | 51.689  | ng    | 96       |
| 9) Benzaldehyde               | 6.987  | 77   | 497070   | 50.649  | ng    | 94       |
| 10) Phenol                    | 7.081  | 94   | 969696   | 51.951  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 7.275  | 93   | 730615   | 47.516  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.728  | 146  | 872824   | 50.707  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.881  | 146  | 883408   | 50.326  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.192  | 146  | 845162   | 49.899  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.104  | 79   | 640696m  | 51.504  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381  | 45   | 958617   | 46.886  | ng    | 96       |
| 17) 2-Methylphenol            | 8.322  | 107  | 633877   | 51.302  | ng    | 96       |
| 18) Hexachloroethane          | 8.916  | 117  | 303720   | 48.064  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.663  | 70   | 518753   | 46.070  | ng    | 88       |
| 20) 3+4-Methylphenols         | 8.657  | 107  | 832129   | 49.570  | ng    | 92       |
| 22) Acetophenone              | 8.675  | 105  | 1117927  | 50.790  | ng    | # 94     |
| 24) Nitrobenzene              | 9.057  | 77   | 812835   | 52.052  | ng    | 96       |
| 25) Isophorone                | 9.586  | 82   | 1433724  | 53.057  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.769  | 139  | 410590   | 55.746  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 9.851  | 122  | 684378   | 59.983  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93   | 895073   | 46.492  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.316 | 162  | 670954   | 52.292  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.510 | 180  | 702844   | 48.337  | ng    | 99       |
| 31) Naphthalene               | 10.698 | 128  | 2317856  | 50.139  | ng    | 99       |
| 32) Benzoic acid              | 10.028 | 122  | 500716   | 55.362  | ng    | 93       |
| 33) 4-Chloroaniline           | 10.828 | 127  | 285496   | 15.324  | ng    | 95       |
| 34) Hexachlorobutadiene       | 10.975 | 225  | 416157   | 48.706  | ng    | 99       |
| 35) Caprolactam               | 11.633 | 113  | 204728   | 51.802  | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 11.980 | 107  | 676588   | 50.168  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 1506194  | 48.961  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.533 | 142  | 1436870  | 47.696  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.680 | 216  | 721550   | 53.257  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.651 | 237  | 550072   | 76.659  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.933 | 196  | 497636   | 53.979  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080922\  
 Data File : BM036178.D  
 Acq On : 09 Aug 2022 16:54  
 Operator : CG/JU  
 Sample : N4101-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP2-8-8MS

Quant Time: Aug 10 03:34:52 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 08/10/2022  
 Supervised By : Jagrut Upadhyay 08/10/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                 |
|-------------------------------|--------|------|----------|---------|-------|----------|---------------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.016 | 196  | 527568   | 54.211  | ng    | 96       | 08/10/2022                      |
| 46) 1,1'-Biphenyl             | 13.322 | 154  | 1911111  | 52.475  | ng    | 99       | Supervised By : Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 13.363 | 162  | 1460320  | 52.390  | ng    | 98       |                                 |
| 48) 2-Nitroaniline            | 13.586 | 65   | 425497   | 56.014  | ng    | 91       |                                 |
| 49) Acenaphthylene            | 14.210 | 152  | 2303188  | 53.454  | ng    | 100      |                                 |
| 50) Dimethylphthalate         | 13.957 | 163  | 1652148  | 48.616  | ng    | 99       |                                 |
| 51) 2,6-Dinitrotoluene        | 14.074 | 165  | 367081   | 53.836  | ng    | 92       | 08/10/2022                      |
| 52) Acenaphthene              | 14.551 | 154  | 1535403m | 54.475  | ng    |          |                                 |
| 53) 3-Nitroaniline            | 14.416 | 138  | 254204   | 31.954  | ng    | 93       |                                 |
| 54) 2,4-Dinitrophenol         | 14.616 | 184  | 303507   | 84.116  | ng    | 88       |                                 |
| 55) Dibenzofuran              | 14.886 | 168  | 2099789  | 49.749  | ng    | 98       |                                 |
| 56) 4-Nitrophenol             | 14.763 | 139  | 712957   | 111.991 | ng    | 84       |                                 |
| 57) 2,4-Dinitrotoluene        | 14.863 | 165  | 492334   | 55.088  | ng    | 98       |                                 |
| 58) Fluorene                  | 15.533 | 166  | 1664004  | 49.979  | ng    | 99       |                                 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.121 | 232  | 407042   | 49.376  | ng    | 97       |                                 |
| 60) Diethylphthalate          | 15.310 | 149  | 1627580  | 46.604  | ng    | 100      |                                 |
| 61) 4-Chlorophenyl-phenyle... | 15.527 | 204  | 776685   | 46.783  | ng    | 98       |                                 |
| 62) 4-Nitroaniline            | 15.574 | 138  | 396111m  | 48.401  | ng    |          |                                 |
| 63) Azobenzene                | 15.821 | 77   | 1550970  | 46.716  | ng    | 94       |                                 |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 198  | 189169   | 39.199  | ng    | 95       |                                 |
| 66) n-Nitrosodiphenylamine    | 15.751 | 169  | 1379794  | 51.786  | ng    | 99       |                                 |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248  | 461326   | 48.865  | ng    | 95       |                                 |
| 68) Hexachlorobenzene         | 16.527 | 284  | 552446   | 51.000  | ng    | 94       |                                 |
| 69) Atrazine                  | 16.704 | 200  | 460094   | 61.713  | ng    | 98       |                                 |
| 70) Pentachlorophenol         | 16.886 | 266  | 669352   | 105.509 | ng    | 99       |                                 |
| 71) Phenanthrene              | 17.274 | 178  | 2461214  | 51.185  | ng    | 99       |                                 |
| 72) Anthracene                | 17.362 | 178  | 2519026  | 54.111  | ng    | 99       |                                 |
| 73) Carbazole                 | 17.645 | 167  | 2378978  | 50.436  | ng    | 98       |                                 |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 2614668  | 46.436  | ng    | 99       |                                 |
| 75) Fluoranthene              | 19.286 | 202  | 2793404  | 51.898  | ng    | 99       |                                 |
| 77) Benzidine                 | 19.486 | 184  | 2096371  | 149.433 | ng    | 99       |                                 |
| 78) Pyrene                    | 19.651 | 202  | 2922501  | 50.382  | ng    | 99       |                                 |
| 80) Butylbenzylphthalate      | 20.550 | 149  | 1209611  | 48.315  | ng    | 96       |                                 |
| 81) Benzo(a)anthracene        | 21.397 | 228  | 2929178  | 50.838  | ng    | 99       |                                 |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 1025382  | 73.291  | ng    | 99       |                                 |
| 83) Chrysene                  | 21.450 | 228  | 2730614  | 49.855  | ng    | 99       |                                 |
| 84) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 1672594  | 44.283  | ng    | 98       |                                 |
| 85) Di-n-octyl phthalate      | 22.239 | 149  | 2952997  | 47.906  | ng    | # 94     |                                 |
| 87) Indeno(1,2,3-cd)pyrene    | 26.227 | 276  | 3873901  | 51.528  | ng    | 99       |                                 |
| 88) Benzo(b)fluoranthene      | 23.056 | 252  | 3135864  | 50.031  | ng    | 99       |                                 |
| 89) Benzo(k)fluoranthene      | 23.103 | 252  | 3135946  | 49.536  | ng    | 99       |                                 |
| 90) Benzo(a)pyrene            | 23.668 | 252  | 2879069  | 54.746  | ng    | 99       |                                 |
| 91) Dibenzo(a,h)anthracene    | 26.244 | 278  | 3377333  | 53.668  | ng    | 99       |                                 |
| 92) Benzo(g,h,i)perylene      | 26.979 | 276  | 3379687  | 55.476  | ng    | 99       |                                 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080922\  
 Data File : BM036178.D  
 Acq On : 09 Aug 2022 16:54  
 Operator : CG/JU  
 Sample : N4101-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP2-8-MS

Quant Time: Aug 10 03:34:52 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 08/10/2022  
 Supervised By : Jagrut Upadhyay 08/10/2022

