

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040323\  
 Data File : BM039275.D  
 Acq On : 03 Apr 2023 12:36  
 Operator : CG/JU  
 Sample : PB151823BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151823BS

Quant Time: Apr 03 17:03:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 17:03:41 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.916  | 152  | 213704   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.728 | 136  | 820139   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.563 | 164  | 434804   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.310 | 188  | 835409   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.498 | 240  | 726463   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.903 | 264  | 826362   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1372433  | 96.756  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.087  | 99   | 1688101  | 92.012  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.087  | 82   | 1517216  | 89.912  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.057 | 330  | 473825   | 85.847  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.186 | 172  | 2947478  | 91.848  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 3665341  | 93.218  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.346  | 88   | 235270   | 40.579  | ng    | 99       |
| 3) Pyridine                   | 3.752  | 79   | 653633   | 40.242  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.663  | 42   | 304226   | 47.692  | ng    | 96       |
| 6) Aniline                    | 7.240  | 93   | 769660   | 33.895  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.481  | 128  | 702852   | 48.412  | ng    | 99       |
| 9) Benzaldehyde               | 7.051  | 77   | 425147   | 40.691  | ng    | 99       |
| 10) Phenol                    | 7.110  | 94   | 907231   | 49.344  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 677689   | 45.818  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.804  | 146  | 731201   | 47.491  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.951  | 146  | 742834   | 47.715  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.269  | 146  | 711632   | 47.804  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.163  | 79   | 602966   | 47.783  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.445  | 45   | 867504   | 45.854  | ng    | 99       |
| 17) 2-Methylphenol            | 8.369  | 107  | 573195   | 44.560  | ng    | 99       |
| 18) Hexachloroethane          | 8.998  | 117  | 280675   | 46.608  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.728  | 70   | 508043   | 43.319  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.698  | 107  | 771241   | 44.619  | ng    | 99       |
| 22) Acetophenone              | 8.745  | 105  | 1012246  | 46.161  | ng    | # 99     |
| 24) Nitrobenzene              | 9.128  | 77   | 755163   | 44.992  | ng    | 99       |
| 25) Isophorone                | 9.657  | 82   | 1355200  | 43.049  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.839  | 139  | 363830   | 46.893  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.904  | 122  | 612139   | 47.485  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.139 | 93   | 836586   | 43.901  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 581687   | 46.247  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.592 | 180  | 615518   | 45.743  | ng    | 97       |
| 31) Naphthalene               | 10.775 | 128  | 1960856  | 44.371  | ng    | 100      |
| 32) Benzoic acid              | 10.057 | 122  | 437519   | 43.545  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.892 | 127  | 258945   | 13.375  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.057 | 225  | 347092   | 43.867  | ng    | 97       |
| 35) Caprolactam               | 11.686 | 113  | 189525   | 43.397  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.022 | 107  | 616608   | 44.433  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.386 | 142  | 1276029  | 41.478  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.610 | 142  | 1191536  | 41.364  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.757 | 216  | 637817   | 48.180  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.733 | 237  | 834339   | 115.364 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.998 | 196  | 435798   | 48.270  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040323\  
 Data File : BM039275.D  
 Acq On : 03 Apr 2023 12:36  
 Operator : CG/JU  
 Sample : PB151823BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151823BS

Quant Time: Apr 03 17:03:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 17:03:41 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.075 | 196  | 463298   | 43.774 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.398 | 154  | 1634627  | 47.608 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.439 | 162  | 1254035  | 48.236 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.651 | 65   | 400189   | 45.742 | ng    | 97       |
| 49) Acenaphthylene            | 14.286 | 152  | 1969954  | 46.104 | ng    | 100      |
| 50) Dimethylphthalate         | 14.022 | 163  | 1464548  | 43.706 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.145 | 165  | 325129   | 45.119 | ng    | 98       |
| 52) Acenaphthene              | 14.627 | 154  | 1163510  | 46.115 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.474 | 138  | 200016   | 24.010 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.686 | 184  | 409612   | 95.985 | ng    | 97       |
| 55) Dibenzofuran              | 14.963 | 168  | 1824288  | 44.911 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.792 | 139  | 617774   | 96.170 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.933 | 165  | 441844   | 45.327 | ng    | 95       |
| 58) Fluorene                  | 15.610 | 166  | 1443651  | 44.883 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.192 | 232  | 381602   | 45.321 | ng    | 99       |
| 60) Diethylphthalate          | 15.386 | 149  | 1426994  | 42.309 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 697488   | 43.755 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.639 | 138  | 355394   | 41.573 | ng    | 99       |
| 63) Azobenzene                | 15.898 | 77   | 1508635  | 44.646 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 253167   | 46.064 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.821 | 169  | 1236761  | 46.980 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.498 | 248  | 408793   | 45.820 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.616 | 284  | 473152   | 48.911 | ng    | 98       |
| 69) Atrazine                  | 16.774 | 200  | 402440   | 48.267 | ng    | 98       |
| 70) Pentachlorophenol         | 16.963 | 266  | 599101   | 86.321 | ng    | 99       |
| 71) Phenanthrene              | 17.357 | 178  | 2131165  | 46.579 | ng    | 100      |
| 72) Anthracene                | 17.445 | 178  | 2187019  | 46.877 | ng    | 100      |
| 73) Carbazole                 | 17.721 | 167  | 2028112  | 46.522 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.280 | 149  | 2302512  | 42.697 | ng    | 99       |
| 75) Fluoranthene              | 19.368 | 202  | 2290269  | 43.912 | ng    | 99       |
| 77) Benzidine                 | 19.556 | 184  | 1212669  | 63.287 | ng    | 100      |
| 78) Pyrene                    | 19.733 | 202  | 2407270  | 46.547 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.627 | 149  | 1016731  | 42.913 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.480 | 228  | 2374341  | 46.342 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.415 | 252  | 575600   | 33.725 | ng    | 99       |
| 83) Chrysene                  | 21.533 | 228  | 2266473  | 45.824 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.403 | 149  | 1486659  | 42.486 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.333 | 149  | 2597381  | 41.199 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.421 | 276  | 3021800  | 49.630 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.174 | 252  | 2429660  | 48.052 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.221 | 252  | 2392569  | 46.454 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.803 | 252  | 2188496  | 44.059 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.433 | 278  | 2513244  | 49.159 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.185 | 276  | 2519924  | 50.120 | ng    | 99       |

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

Quant Time: Apr 03 17:03:40 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 31 17:03:41 2023  
Response via : Initial Calibration

