

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021924\  
 Data File : BP019775.D  
 Acq On : 19 Feb 2024 21:59  
 Operator : MA/JU  
 Sample : P1505-05MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-1DMSD

Quant Time: Feb 19 23:39:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 19 23:35:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 76268    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.704 | 136  | 287249   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.540 | 164  | 193681   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.298 | 188  | 440460   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.392 | 240  | 415305   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.815 | 264  | 483464   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 453468   | 95.840  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.075  | 99   | 606678   | 95.094  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 409423   | 61.761  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.034 | 330  | 357119   | 126.285 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.163 | 172  | 956530   | 61.053  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.863 | 244  | 1585893  | 62.799  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 56419    | 30.949  | ng    | 99       |
| 3) Pyridine                   | 3.781  | 79   | 150610   | 30.474  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.699  | 42   | 86499    | 40.200  | ng    | 99       |
| 6) Aniline                    | 7.234  | 93   | 220882   | 35.631  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.463  | 128  | 230704   | 47.493  | ng    | 96       |
| 9) Benzaldehyde               | 7.052  | 77   | 46301m   | 10.351  | ng    |          |
| 10) Phenol                    | 7.105  | 94   | 293988   | 46.235  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 213330   | 43.123  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.787  | 146  | 251122   | 42.248  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.934  | 146  | 261788   | 43.472  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.252  | 146  | 249831   | 42.877  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.152  | 79   | 233359m  | 45.779  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 205723   | 41.586  | ng    | 98       |
| 17) 2-Methylphenol            | 8.352  | 107  | 196717   | 45.953  | ng    | 97       |
| 18) Hexachloroethane          | 8.969  | 117  | 86717    | 37.151  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 180324   | 41.381  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.681  | 107  | 264723   | 45.311  | ng    | 98       |
| 22) Acetophenone              | 8.734  | 105  | 354977   | 43.378  | ng    | # 98     |
| 24) Nitrobenzene              | 9.116  | 77   | 276717   | 41.459  | ng    | 99       |
| 25) Isophorone                | 9.640  | 82   | 498173   | 43.151  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.822  | 139  | 122138   | 47.992  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.887  | 122  | 176713   | 54.303  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.128 | 93   | 278906   | 42.698  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 243333   | 49.466  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.563 | 180  | 281522   | 46.675  | ng    | 100      |
| 31) Naphthalene               | 10.751 | 128  | 701820   | 44.548  | ng    | 99       |
| 32) Benzoic acid              | 10.052 | 122  | 173950   | 54.863  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.875 | 127  | 192170   | 32.984  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.022 | 225  | 200983   | 44.966  | ng    | 98       |
| 35) Caprolactam               | 11.693 | 113  | 72120    | 51.788  | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 12.004 | 107  | 267333   | 49.840  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.363 | 142  | 499526   | 45.817  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.581 | 142  | 478578   | 44.667  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 363447   | 48.657  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.693 | 237  | 97800    | 28.983  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.975 | 196  | 225994   | 49.966  | ng    | 99       |

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 WC-1DMSD

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.051 | 196  | 249589   | 50.253  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.375 | 154  | 683139   | 44.192  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.416 | 162  | 555256   | 43.757  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.634 | 65   | 175479   | 49.455  | ng    | 96       |
| 49) Acenaphthylene            | 14.263 | 152  | 910236   | 51.129  | ng    | 99       |
| 50) Dimethylphthalate         | 14.010 | 163  | 687615   | 46.376  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.134 | 165  | 152421   | 46.790  | ng    | 93       |
| 52) Acenaphthene              | 14.604 | 154  | 508903   | 46.057  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.463 | 138  | 137877   | 46.056  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.675 | 184  | 59899    | 35.415  | ng    | 97       |
| 55) Dibenzofuran              | 14.939 | 168  | 861198   | 47.854  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.775 | 139  | 255348   | 104.064 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.922 | 165  | 212885   | 49.870  | ng    | 96       |
| 58) Fluorene                  | 15.592 | 166  | 703946   | 49.112  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.169 | 232  | 238406   | 57.068  | ng    | 95       |
| 60) Diethylphthalate          | 15.375 | 149  | 686847   | 46.573  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.586 | 204  | 389681   | 48.370  | ng    | 95       |
| 62) 4-Nitroaniline            | 15.628 | 138  | 152316   | 48.540  | ng    | 97       |
| 63) Azobenzene                | 15.881 | 77   | 643008   | 45.088  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 198  | 45356    | 18.059  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.804 | 169  | 597746   | 45.314  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.486 | 248  | 262015   | 47.585  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.586 | 284  | 308089   | 47.914  | ng    | 94       |
| 69) Atrazine                  | 16.775 | 200  | 237299   | 54.211  | ng    | 96       |
| 70) Pentachlorophenol         | 16.945 | 266  | 419111   | 104.665 | ng    | 98       |
| 71) Phenanthrene              | 17.339 | 178  | 1268860  | 54.739  | ng    | 99       |
| 72) Anthracene                | 17.433 | 178  | 1176585  | 50.883  | ng    | 100      |
| 73) Carbazole                 | 17.710 | 167  | 988555   | 47.060  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.263 | 149  | 1157539  | 45.574  | ng    | 100      |
| 75) Fluoranthene              | 19.310 | 202  | 1710142  | 60.393  | ng    | 98       |
| 77) Benzidine                 | 19.498 | 184  | 303953   | 35.007  | ng    | 99       |
| 78) Pyrene                    | 19.663 | 202  | 1740694  | 59.388  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.545 | 149  | 499400   | 45.625  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.374 | 228  | 1656540  | 56.664  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 455372   | 42.746  | ng    | 99       |
| 83) Chrysene                  | 21.427 | 228  | 1511322  | 54.451  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.310 | 149  | 868253   | 52.092  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.251 | 149  | 1257698  | 42.887  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.362 | 276  | 1853876  | 50.095  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.080 | 252  | 1758708  | 57.718  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.127 | 252  | 1498337  | 51.478  | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.710 | 252  | 1541510  | 56.858  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.386 | 278  | 1413303  | 46.434  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.151 | 276  | 1480415  | 47.943  | ng    | 97       |

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

