

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022824\  
 Data File : BP019913.D  
 Acq On : 28 Feb 2024 13:06  
 Operator : MA/JU  
 Sample : PB159321BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB159321BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024  
 Supervised By :mohammad ahmed 03/01/2024

Quant Time: Feb 28 13:39:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 02:05:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 76488    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.705 | 136  | 455961   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.546 | 164  | 253303   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.310 | 188  | 620271   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.410 | 240  | 603306   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.827 | 264  | 591490   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 771182   | 165.489 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.081  | 99   | 979351   | 141.156 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 927547   | 82.126  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.045 | 330  | 673747   | 155.124 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.169 | 172  | 1696108  | 90.470  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.875 | 244  | 3512507  | 91.765  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.376  | 88   | 54130    | 33.584  | ng    | 97       |
| 3) Pyridine                   | 3.776  | 79   | 148599   | 30.143  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.699  | 42   | 93396    | 45.974  | ng    | 99       |
| 6) Aniline                    | 7.234  | 93   | 217521   | 25.557  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.464  | 128  | 261017   | 51.943  | ng    | 98       |
| 9) Benzaldehyde               | 7.052  | 77   | 48340m   | 12.207  | ng    |          |
| 10) Phenol                    | 7.105  | 94   | 344162   | 49.747  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 236022   | 43.316  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.787  | 146  | 258259   | 47.337  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.940  | 146  | 264871   | 47.943  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.252  | 146  | 256228   | 46.232  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.152  | 79   | 282372m  | 46.133  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 230733   | 39.661  | ng    | 97       |
| 17) 2-Methylphenol            | 8.352  | 107  | 233029   | 45.038  | ng    | 99       |
| 18) Hexachloroethane          | 8.969  | 117  | 126722   | 59.192  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 225542   | 43.032  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.687  | 107  | 335883   | 45.179  | ng    | 98       |
| 22) Acetophenone              | 8.740  | 105  | 429394   | 30.322  | ng    | # 98     |
| 24) Nitrobenzene              | 9.116  | 77   | 474252   | 43.374  | ng    | 98       |
| 25) Isophorone                | 9.646  | 82   | 873635   | 44.441  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.822  | 139  | 206362   | 47.167  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.887  | 122  | 307032   | 42.510  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.128 | 93   | 498738   | 45.461  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.358 | 162  | 407016   | 50.522  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.563 | 180  | 393750   | 44.488  | ng    | 99       |
| 31) Naphthalene               | 10.752 | 128  | 1070127  | 43.834  | ng    | 99       |
| 32) Benzoic acid              | 10.069 | 122  | 306962   | 50.163  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.881 | 127  | 225716   | 20.350  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.022 | 225  | 263151   | 40.886  | ng    | 100      |
| 35) Caprolactam               | 11.704 | 113  | 108451m  | 36.504  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.010 | 107  | 390423   | 39.286  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.363 | 142  | 659526   | 34.801  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.587 | 142  | 567967   | 31.673  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 418557   | 48.374  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.699 | 237  | 440836   | 98.396  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.981 | 196  | 289970   | 50.756  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.057 | 196  | 321918   | 47.303  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.381 | 154  | 860441   | 47.442  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.422 | 162  | 685193   | 48.673  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.640 | 65   | 232647   | 45.726  | ng    | 98       |
| 49) Acenaphthylene            | 14.269 | 152  | 1125096  | 49.331  | ng    | 100      |
| 50) Dimethylphthalate         | 14.022 | 163  | 940891   | 45.502  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.146 | 165  | 210729   | 47.351  | ng    | 99       |
| 52) Acenaphthene              | 14.610 | 154  | 635588   | 46.413  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.475 | 138  | 134658   | 30.567  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.687 | 184  | 301540   | 103.943 | ng    | 100      |
| 55) Dibenzofuran              | 14.946 | 168  | 1120429  | 47.940  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.793 | 139  | 355302   | 103.103 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.934 | 165  | 305717   | 48.268  | ng    | 100      |
| 58) Fluorene                  | 15.598 | 166  | 924328   | 48.765  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.175 | 232  | 318644   | 51.034  | ng    | 97       |
| 60) Diethylphthalate          | 15.387 | 149  | 953269   | 46.664  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.598 | 204  | 523688   | 48.310  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.645 | 138  | 207373m  | 45.195  | ng    |          |
| 63) Azobenzene                | 15.893 | 77   | 886752   | 46.628  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 201815   | 47.937  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.816 | 169  | 814553   | 45.766  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.498 | 248  | 357088   | 46.559  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.598 | 284  | 413194   | 49.956  | ng    | 98       |
| 69) Atrazine                  | 16.787 | 200  | 304091   | 40.834  | ng    | 99       |
| 70) Pentachlorophenol         | 16.951 | 266  | 583335   | 95.414  | ng    | 99       |
| 71) Phenanthrene              | 17.351 | 178  | 1510245  | 45.616  | ng    | 100      |
| 72) Anthracene                | 17.439 | 178  | 1525388  | 45.133  | ng    | 100      |
| 73) Carbazole                 | 17.722 | 167  | 1379121  | 46.072  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 1629294  | 43.521  | ng    | 99       |
| 75) Fluoranthene              | 19.322 | 202  | 1910463  | 44.463  | ng    | 99       |
| 77) Benzidine                 | 19.510 | 184  | 406177   | 23.438  | ng    | 99       |
| 78) Pyrene                    | 19.675 | 202  | 1949940  | 47.042  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.563 | 149  | 719032   | 43.379  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.392 | 228  | 1987561  | 46.411  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.328 | 252  | 576402   | 35.093  | ng    | 100      |
| 83) Chrysene                  | 21.445 | 228  | 1821498  | 45.392  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.328 | 149  | 1016299  | 42.712  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.269 | 149  | 1697210  | 42.860  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.380 | 276  | 1932930  | 46.419  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.092 | 252  | 1883379  | 51.936  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.145 | 252  | 1812569  | 50.965  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.727 | 252  | 1659657  | 47.890  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.404 | 278  | 1629911  | 46.560  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.157 | 276  | 1505101  | 44.539  | ng    | 98       |

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

