

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021624\  
 Data File : BP019741.D  
 Acq On : 16 Feb 2024 12:50  
 Operator : MA/JU  
 Sample : PB158970BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB158970BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/19/2024  
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 16 13:19:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 00:51:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 69893    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.704 | 136  | 260079   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.540 | 164  | 173388   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.298 | 188  | 409566   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.392 | 240  | 401938   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.816 | 264  | 457544   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 559138   | 128.952 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.081  | 99   | 716554   | 122.561 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 486653   | 81.081  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.039 | 330  | 419422   | 165.675 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.169 | 172  | 1154484  | 82.313  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.863 | 244  | 2225564  | 91.060  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 54166    | 32.424  | ng    | 97       |
| 3) Pyridine                   | 3.781  | 79   | 147890   | 32.653  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.699  | 42   | 80903    | 41.029  | ng    | 96       |
| 6) Aniline                    | 7.234  | 93   | 145782   | 25.662  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.469  | 128  | 202304   | 45.445  | ng    | 94       |
| 9) Benzaldehyde               | 7.058  | 77   | 9243m    | 2.255   | ng    |          |
| 10) Phenol                    | 7.105  | 94   | 255084   | 43.775  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 186241   | 41.081  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.787  | 146  | 228587   | 41.965  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.940  | 146  | 234262   | 42.449  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.252  | 146  | 222695   | 41.706  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.152  | 79   | 202459m  | 43.340  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 184019   | 40.592  | ng    | 99       |
| 17) 2-Methylphenol            | 8.352  | 107  | 172450   | 43.958  | ng    | 96       |
| 18) Hexachloroethane          | 8.969  | 117  | 88105    | 41.188  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 160968   | 40.308  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.687  | 107  | 233240   | 43.564  | ng    | 97       |
| 22) Acetophenone              | 8.734  | 105  | 312179   | 42.134  | ng    | # 98     |
| 24) Nitrobenzene              | 9.116  | 77   | 245277   | 40.587  | ng    | 98       |
| 25) Isophorone                | 9.646  | 82   | 435935   | 41.704  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.822  | 139  | 112400   | 48.780  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.887  | 122  | 155531   | 52.787  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.128 | 93   | 245205   | 41.460  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 208944   | 46.912  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.569 | 180  | 240065   | 43.959  | ng    | 98       |
| 31) Naphthalene               | 10.757 | 128  | 600263   | 42.082  | ng    | 100      |
| 32) Benzoic acid              | 10.040 | 122  | 146530   | 51.043  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.875 | 127  | 67614    | 12.818  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.022 | 225  | 175096   | 43.267  | ng    | 99       |
| 35) Caprolactam               | 11.687 | 113  | 64482    | 51.140  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 12.004 | 107  | 229520   | 47.260  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.363 | 142  | 427689   | 43.326  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.587 | 142  | 409976   | 42.262  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 300275   | 44.905  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.693 | 237  | 386105   | 127.815 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.975 | 196  | 192206   | 47.469  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.051 | 196  | 213567   | 48.033  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.375 | 154  | 586560   | 42.386  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.416 | 162  | 472992   | 41.637  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.634 | 65   | 145617   | 45.842  | ng    | 96       |
| 49) Acenaphthylene            | 14.263 | 152  | 753516   | 47.279  | ng    | 100      |
| 50) Dimethylphthalate         | 14.010 | 163  | 613813   | 46.244  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.134 | 165  | 134708   | 46.192  | ng    | 96       |
| 52) Acenaphthene              | 14.604 | 154  | 422304   | 42.693  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.463 | 138  | 85160    | 31.776  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.675 | 184  | 181827   | 120.085 | ng    | 99       |
| 55) Dibenzofuran              | 14.940 | 168  | 731024   | 45.375  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.775 | 139  | 224960   | 102.410 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.922 | 165  | 195643   | 51.194  | ng    | 98       |
| 58) Fluorene                  | 15.592 | 166  | 590369   | 46.008  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.169 | 232  | 202874   | 54.246  | ng    | 95       |
| 60) Diethylphthalate          | 15.375 | 149  | 621232   | 47.054  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.592 | 204  | 335130   | 46.468  | ng    | 94       |
| 62) 4-Nitroaniline            | 15.628 | 138  | 134366   | 47.831  | ng    | 100      |
| 63) Azobenzene                | 15.887 | 77   | 552452   | 43.272  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 198  | 123448   | 52.860  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.810 | 169  | 522654   | 42.610  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.487 | 248  | 228383   | 44.605  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.592 | 284  | 264887   | 44.302  | ng    | 94       |
| 69) Atrazine                  | 16.775 | 200  | 207264   | 50.921  | ng    | 97       |
| 70) Pentachlorophenol         | 16.945 | 266  | 370860   | 99.601  | ng    | 99       |
| 71) Phenanthrene              | 17.339 | 178  | 969588   | 44.984  | ng    | 99       |
| 72) Anthracene                | 17.434 | 178  | 982364   | 45.688  | ng    | 100      |
| 73) Carbazole                 | 17.710 | 167  | 896269   | 45.885  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 1066292  | 45.148  | ng    | 99       |
| 75) Fluoranthene              | 19.310 | 202  | 1231744  | 46.780  | ng    | 99       |
| 77) Benzidine                 | 19.498 | 184  | 377055   | 44.870  | ng    | 99       |
| 78) Pyrene                    | 19.663 | 202  | 1272548  | 44.860  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.545 | 149  | 479364   | 45.251  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.375 | 228  | 1281177  | 45.282  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 369400   | 35.829  | ng    | 99       |
| 83) Chrysene                  | 21.427 | 228  | 1192115  | 44.379  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.310 | 149  | 682138   | 42.287  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.257 | 149  | 1175770  | 41.427  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.357 | 276  | 1592657  | 45.474  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.074 | 252  | 1340277  | 46.478  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.127 | 252  | 1235084  | 44.837  | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.710 | 252  | 1191696  | 46.445  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.380 | 278  | 1329641  | 46.160  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.139 | 276  | 1263435  | 43.234  | ng    | 98       |

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

