

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111124\  
 Data File : BP023014.D  
 Acq On : 11 Nov 2024 15:01  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/12/2024

Quant Time: Nov 11 15:28:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 07 23:36:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 64010    | 20.000 | ng     | -0.02    |
| 21) Naphthalene-d8            | 10.316 | 136  | 250346   | 20.000 | ng     | -0.03    |
| 39) Acenaphthene-d10          | 14.198 | 164  | 233063   | 20.000 | ng     | -0.02    |
| 64) Phenanthrene-d10          | 17.010 | 188  | 658353   | 20.000 | ng     | -0.01    |
| 76) Chrysene-d12              | 21.463 | 240  | 771500   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 24.692 | 264  | 919460   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.205  | 112  | 261817   | 77.624 | ng     | -0.03    |
| 7) Phenol-d6                  | 6.769  | 99   | 363360   | 77.249 | ng     | -0.02    |
| 23) Nitrobenzene-d5           | 8.710  | 82   | 438349   | 82.723 | ng     | -0.03    |
| 42) 2,4,6-Tribromophenol      | 15.734 | 330  | 379927   | 84.101 | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.799 | 172  | 1227209  | 75.238 | ng     | -0.02    |
| 79) Terphenyl-d14             | 19.751 | 244  | 3245117  | 78.994 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.164  | 88   | 52359    | 38.882 | ng     | 94       |
| 3) Pyridine                   | 3.558  | 79   | 147125m  | 39.791 | ng     |          |
| 4) n-Nitrosodimethylamine     | 3.470  | 42   | 83601    | 46.904 | ng     | # 81     |
| 6) Aniline                    | 6.911  | 93   | 152647   | 38.929 | ng     | 96       |
| 8) 2-Chlorophenol             | 7.146  | 128  | 137790   | 38.973 | ng     | 100      |
| 9) Benzaldehyde               | 6.728  | 77   | 108354   | 39.858 | ng     | 95       |
| 10) Phenol                    | 6.799  | 94   | 180270   | 38.698 | ng     | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.999  | 93   | 132861   | 37.750 | ng     | 97       |
| 12) 1,3-Dichlorobenzene       | 7.458  | 146  | 174454m  | 38.667 | ng     |          |
| 13) 1,4-Dichlorobenzene       | 7.605  | 146  | 180263   | 39.124 | ng     | 98       |
| 14) 1,2-Dichlorobenzene       | 7.916  | 146  | 176152   | 39.544 | ng     | 98       |
| 15) Benzyl Alcohol            | 7.816  | 79   | 143331   | 40.231 | ng     | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.081  | 45   | 151515   | 39.679 | ng     | 99       |
| 17) 2-Methylphenol            | 8.011  | 107  | 126339   | 39.953 | ng     | 92       |
| 18) Hexachloroethane          | 8.622  | 117  | 70540    | 41.385 | ng     | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.363  | 70   | 130936   | 40.669 | ng     | 96       |
| 20) 3+4-Methylphenols         | 8.340  | 107  | 177502   | 40.164 | ng     | 97       |
| 22) Acetophenone              | 8.381  | 105  | 254336   | 38.167 | ng     | 96       |
| 24) Nitrobenzene              | 8.752  | 77   | 219621   | 40.802 | ng     | 96       |
| 25) Isophorone                | 9.275  | 82   | 356141   | 39.710 | ng     | 97       |
| 26) 2-Nitrophenol             | 9.457  | 139  | 87079    | 39.395 | ng     | 95       |
| 27) 2,4-Dimethylphenol        | 9.516  | 122  | 96650    | 38.293 | ng     | 89       |
| 28) bis(2-Chloroethoxy)met... | 9.752  | 93   | 197290   | 38.728 | ng     | 98       |
| 29) 2,4-Dichlorophenol        | 9.993  | 162  | 178098   | 40.765 | ng     | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.187 | 180  | 222062   | 39.758 | ng     | 99       |
| 31) Naphthalene               | 10.369 | 128  | 500853   | 39.929 | ng     | 100      |
| 32) Benzoic acid              | 9.716  | 122  | 121337   | 40.035 | ng     | 93       |
| 33) 4-Chloroaniline           | 10.505 | 127  | 185111   | 41.461 | ng     | 98       |
| 34) Hexachlorobutadiene       | 10.646 | 225  | 169550   | 41.388 | ng     | 97       |
| 35) Caprolactam               | 11.293 | 113  | 51525    | 39.396 | ng     | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.634 | 107  | 206328   | 42.358 | ng     | 96       |
| 37) 2-Methylnaphthalene       | 11.987 | 142  | 394811   | 42.025 | ng     | 99       |
| 38) 1-Methylnaphthalene       | 12.210 | 142  | 389886   | 41.813 | ng     | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.363 | 216  | 291928   | 36.999 | ng     | 99       |
| 41) Hexachlorocyclopentadiene | 12.334 | 237  | 93136    | 42.031 | ng     | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.622 | 196  | 192486   | 38.358 | ng     | 98       |

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| 44) 2,4,5-Trichlorophenol     | 12.704 | 196  | 216956   | 37.979 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.016 | 154  | 597420   | 38.561 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.057 | 162  | 486022   | 37.801 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.287 | 65   | 154440   | 41.228 | ng    | 97       |
| 49) Acenaphthylene            | 13.916 | 152  | 708912   | 39.481 | ng    | 97       |
| 50) Dimethylphthalate         | 13.669 | 163  | 658484   | 38.589 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.781 | 165  | 151117   | 38.948 | ng    | 91       |
| 52) Acenaphthene              | 14.263 | 154  | 449828   | 38.958 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.122 | 138  | 129352   | 41.033 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.363 | 184  | 96194    | 39.953 | ng    | 96       |
| 55) Dibenzofuran              | 14.598 | 168  | 818833   | 40.382 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.463 | 139  | 107422   | 41.432 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.598 | 165  | 233494   | 41.627 | ng    | 93       |
| 58) Fluorene                  | 15.263 | 166  | 693030   | 41.138 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.845 | 232  | 226898   | 41.184 | ng    | 99       |
| 60) Diethylphthalate          | 15.051 | 149  | 701081   | 41.309 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.263 | 204  | 409718   | 41.265 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.316 | 138  | 133186   | 41.173 | ng    | 98       |
| 63) Azobenzene                | 15.569 | 77   | 647663   | 44.380 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.387 | 198  | 152405   | 38.051 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.492 | 169  | 606921   | 37.289 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.192 | 248  | 297915   | 37.728 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.298 | 284  | 375952   | 37.171 | ng    | 96       |
| 69) Atrazine                  | 16.481 | 200  | 213306   | 38.881 | ng    | 99       |
| 70) Pentachlorophenol         | 16.663 | 266  | 243850   | 37.752 | ng    | 97       |
| 71) Phenanthrene              | 17.057 | 178  | 1222433  | 38.367 | ng    | 100      |
| 72) Anthracene                | 17.151 | 178  | 1178134  | 38.530 | ng    | 99       |
| 73) Carbazole                 | 17.439 | 167  | 1131171  | 38.734 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.028 | 149  | 1274480  | 39.158 | ng    | 100      |
| 75) Fluoranthene              | 19.163 | 202  | 1737524  | 39.312 | ng    | 99       |
| 77) Benzidine                 | 19.369 | 184  | 822874   | 53.982 | ng    | 99       |
| 78) Pyrene                    | 19.539 | 202  | 1811776  | 39.674 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.486 | 149  | 621462   | 39.912 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.439 | 228  | 1882432  | 39.210 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.363 | 252  | 753897   | 38.792 | ng    | 100      |
| 83) Chrysene                  | 21.510 | 228  | 1780645  | 39.597 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.369 | 149  | 916244   | 41.003 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.598 | 149  | 1508132  | 40.386 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.357 | 276  | 2472050  | 39.862 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 23.669 | 252  | 2154497  | 39.884 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.733 | 252  | 2028366  | 39.766 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.539 | 252  | 1847760  | 39.977 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.427 | 278  | 2046506  | 40.241 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 29.515 | 276  | 2064285m | 39.615 | ng    |          |

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

