

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120921\  
 Data File : BP008325.D  
 Acq On : 09 Dec 2021 22:49  
 Operator : CG/JU  
 Sample : M4967-04MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-7DMSD

Quant Time: Dec 10 04:13:01 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 09 01:43:36 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021  
 Supervised By :mohammad ahmed 12/15/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 70393    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.563 | 136  | 256507   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.416 | 164  | 161713   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.180 | 188  | 344707   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.292 | 240  | 394468   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.674 | 264  | 448426   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 484821   | 110.893 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.958  | 99   | 630923   | 106.902 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.928  | 82   | 431161   | 76.436  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.922 | 330  | 228751   | 110.670 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.040 | 172  | 811151   | 72.859  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.757 | 244  | 1307685  | 69.282  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.269  | 88   | 97395    | 47.750  | ng    | 97       |
| 3) Pyridine                   | 3.669  | 79   | 250506   | 46.016  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.581  | 42   | 129979   | 57.242  | ng    | 98       |
| 6) Aniline                    | 7.099  | 93   | 257411   | 37.208  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.340  | 128  | 234367   | 52.367  | ng    | 98       |
| 9) Benzaldehyde               | 6.910  | 77   | 145958   | 45.228  | ng    | 94       |
| 10) Phenol                    | 6.981  | 94   | 337769   | 55.693  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 249025   | 51.371  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146  | 257146   | 49.777  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.799  | 146  | 262547   | 50.128  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.116  | 146  | 251083   | 48.203  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.016  | 79   | 259673   | 55.532  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.305  | 45   | 380382   | 52.004  | ng    | 100      |
| 17) 2-Methylphenol            | 8.228  | 107  | 206427   | 52.317  | ng    | 98       |
| 18) Hexachloroethane          | 8.840  | 117  | 102136   | 52.445  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.581  | 70   | 201609   | 49.368  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.557  | 107  | 278641   | 51.169  | ng    | 97       |
| 22) Acetophenone              | 8.593  | 105  | 367547   | 52.386  | ng    | 97       |
| 24) Nitrobenzene              | 8.969  | 77   | 302270   | 55.256  | ng    | 99       |
| 25) Isophorone                | 9.504  | 82   | 520565   | 52.749  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.681  | 139  | 122763   | 52.013  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.757  | 122  | 210077   | 59.515  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.981  | 93   | 310984   | 49.444  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 223487   | 53.012  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.428 | 180  | 246781   | 50.434  | ng    | 96       |
| 31) Naphthalene               | 10.610 | 128  | 670858   | 51.054  | ng    | 99       |
| 32) Benzoic acid              | 9.957  | 122  | 147134   | 50.957  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.740 | 127  | 107718   | 19.760  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.898 | 225  | 173355   | 51.769  | ng    | 98       |
| 35) Caprolactam               | 11.546 | 113  | 72079    | 76.970  | ng    | # 85     |
| 36) 4-Chloro-3-methylphenol   | 11.881 | 107  | 258239   | 53.585  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.234 | 142  | 480406   | 51.692  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.451 | 142  | 446379   | 49.345  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 280933   | 53.480  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.581 | 237  | 222435   | 110.139 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 183020   | 51.424  | ng    | 98       |

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Manual Integrations  
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Reviewed By :Jagrut Upadhyay 12/10/2021  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.940 | 196  | 202657   | 53.140  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.251 | 154  | 598520   | 51.012  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.292 | 162  | 485630   | 52.411  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 189233   | 59.265  | ng    | 95       |
| 49) Acenaphthylene            | 14.139 | 152  | 749730   | 52.449  | ng    | 100      |
| 50) Dimethylphthalate         | 13.887 | 163  | 608912   | 50.143  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.004 | 165  | 136014   | 53.969  | ng    | 93       |
| 52) Acenaphthene              | 14.481 | 154  | 436484   | 51.238  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.339 | 138  | 73425    | 28.748  | ng    | # 89     |
| 54) 2,4-Dinitrophenol         | 14.563 | 184  | 144556   | 97.011  | ng    | 89       |
| 55) Dibenzofuran              | 14.822 | 168  | 715295   | 49.136  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.681 | 139  | 204508   | 104.466 | ng    | 83       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 189681   | 54.843  | ng    | # 88     |
| 58) Fluorene                  | 15.475 | 166  | 573419   | 48.482  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 168300m  | 49.628  | ng    |          |
| 60) Diethylphthalate          | 15.251 | 149  | 613189   | 50.884  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204  | 305374   | 47.071  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.510 | 138  | 132203   | 49.883  | ng    | 94       |
| 63) Azobenzene                | 15.763 | 77   | 661043   | 53.629  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 198  | 106154   | 47.083  | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 15.686 | 169  | 518313   | 51.909  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248  | 196420   | 51.243  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.486 | 284  | 217942   | 53.191  | ng    | 100      |
| 69) Atrazine                  | 16.651 | 200  | 209883   | 80.990  | ng    | 99       |
| 70) Pentachlorophenol         | 16.839 | 266  | 237528   | 97.491  | ng    | 98       |
| 71) Phenanthrene              | 17.228 | 178  | 938839   | 51.585  | ng    | 99       |
| 72) Anthracene                | 17.316 | 178  | 962909   | 53.312  | ng    | 99       |
| 73) Carbazole                 | 17.598 | 167  | 873817   | 49.560  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.151 | 149  | 1083279  | 49.081  | ng    | 99       |
| 75) Fluoranthene              | 19.204 | 202  | 1176660  | 47.992  | ng    | 99       |
| 77) Benzidine                 | 19.392 | 184  | 606544   | 112.095 | ng    | 98       |
| 78) Pyrene                    | 19.557 | 202  | 1223596  | 49.507  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.439 | 149  | 522124   | 46.482  | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.274 | 228  | 1294115  | 49.500  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.210 | 252  | 320503   | 26.020  | ng    | 98       |
| 83) Chrysene                  | 21.327 | 228  | 1255444  | 50.464  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.204 | 149  | 799939   | 46.904  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.121 | 149  | 1392793  | 48.074  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.168 | 276  | 1709247  | 52.393  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 22.951 | 252  | 1421465  | 52.582  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.998 | 252  | 1369300  | 51.738  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.574 | 252  | 1395978  | 60.420  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.180 | 278  | 1454326  | 53.677  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 26.927 | 276  | 1446505  | 52.921  | ng    | 97       |

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

