

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102924\  
 Data File : BF140102.D  
 Acq On : 29 Oct 2024 10:33  
 Operator : RC/JU  
 Sample : PB164461BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024  
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Oct 29 11:35:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 127430   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 500801   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 278385   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 513541   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 266065   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 256361   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 993671   | 122.073 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1259140  | 119.434 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 832307   | 92.111  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 375298   | 144.128 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1475257  | 87.582  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1640280  | 100.457 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.769  | 88   | 129062   | 34.006  | ng    | 97       |
| 3) Pyridine                   | 3.528  | 79   | 345549   | 36.732  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.475  | 42   | 200636   | 39.696  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 373487   | 38.012  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 380367   | 45.709  | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 75532    | 12.736  | ng    | 97       |
| 10) Phenol                    | 6.528  | 94   | 485856m  | 44.702  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 374078   | 44.529  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 411835   | 43.113  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 412401   | 43.213  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 399868   | 44.894  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 357866   | 46.276  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 631415   | 44.079  | ng    | 98       |
| 17) 2-Methylphenol            | 7.140  | 107  | 318963   | 44.951  | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 150509   | 44.226  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 279877   | 43.772  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 390148   | 42.987  | ng    | # 76     |
| 22) Acetophenone              | 7.298  | 105  | 528314   | 43.071  | ng    | 99       |
| 24) Nitrobenzene              | 7.469  | 77   | 428354   | 43.238  | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 767951   | 44.778  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 200360   | 53.609  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 321436   | 51.579  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 456565   | 43.940  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 320640   | 45.171  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 333493   | 42.459  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1112457  | 43.071  | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 240344   | 44.218  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 146520   | 16.637  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 217159   | 44.004  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 106047m  | 46.985  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 360311   | 45.842  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 710773   | 44.934  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 654008   | 42.141  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 336224   | 44.768  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 437928   | 167.579 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 248514   | 46.737  | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 253928   | 46.287  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 857279   | 44.236  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 685431   | 43.914  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 242126   | 50.720  | ng    | 94       |
| 49) Acenaphthylene            | 9.792  | 152  | 1071550  | 47.486  | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 796125   | 45.913  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 177248   | 47.210  | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 750474   | 51.411  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 112113   | 28.957  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 205710   | 127.641 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 949974   | 45.358  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.034 | 139  | 297830   | 99.985  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 245903   | 53.260  | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 725048   | 45.452  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 214271   | 49.823  | ng    | 98       |
| 60) Diethylphthalate          | 10.351 | 149  | 779453   | 45.782  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 371429   | 46.107  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 183008   | 50.047  | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 805434   | 44.623  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 141178   | 67.397  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 677802   | 44.099  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 235997   | 44.608  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 264678   | 44.484  | ng    | 100      |
| 69) Atrazine                  | 11.110 | 200  | 227268   | 54.585  | ng    | 98       |
| 70) Pentachlorophenol         | 11.216 | 266  | 333392   | 92.325  | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1081706  | 44.593  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1118559  | 47.261  | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 980816   | 44.559  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1192125  | 46.878  | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 1132991  | 46.202  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 179073   | 40.931  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1137589  | 48.846  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 402746   | 57.681  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 841427   | 48.581  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 157179   | 31.125  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 734528   | 46.254  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 461897   | 58.963  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 650652   | 45.664  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 815498   | 49.447  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 697670   | 44.675  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 656050   | 48.712  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 648512   | 50.469  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 662425   | 48.147  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 627022   | 45.626  | ng    | 99       |

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

