

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020223\  
 Data File : BF132286.D  
 Acq On : 02 Feb 2023 11:42  
 Operator : CG\JU  
 Sample : PB150609BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150609BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023  
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 00:19:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 02 01:30:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.066  | 152  | 219750   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.360  | 136  | 853197   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.125 | 164  | 437715   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 796906   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.289 | 240  | 375143   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.871 | 264  | 340324   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.707  | 112  | 1616233  | 118.222 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.690  | 99   | 1985987  | 117.830 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.637  | 82   | 1247652  | 81.374  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.925 | 330  | 683467   | 151.838 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.436  | 172  | 2195870  | 77.470  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.219 | 244  | 2310590  | 119.145 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.119  | 88   | 216887   | 33.716  | ng    | 98       |
| 3) Pyridine                   | 3.843  | 79   | 573979   | 32.890  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.807  | 42   | 216165   | 38.711  | ng    | 99       |
| 6) Aniline                    | 6.731  | 93   | 810325m  | 35.429  | ng    |          |
| 8) 2-Chlorophenol             | 6.854  | 128  | 666558   | 47.075  | ng    | 96       |
| 9) Benzaldehyde               | 6.619  | 77   | 269751   | 25.433  | ng    | 99       |
| 10) Phenol                    | 6.707  | 94   | 732742   | 42.002  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.801  | 93   | 631459   | 43.981  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.013  | 146  | 677966   | 45.271  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.090  | 146  | 685270   | 45.842  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.242  | 146  | 667921   | 47.911  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.207  | 79   | 520551   | 42.327  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.337  | 45   | 626371   | 41.408  | ng    | 96       |
| 17) 2-Methylphenol            | 7.313  | 107  | 522991   | 42.195  | ng    | 99       |
| 18) Hexachloroethane          | 7.584  | 117  | 262643   | 46.835  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.484  | 70   | 375451   | 39.217  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.466  | 107  | 638574   | 40.366  | ng    | # 90     |
| 22) Acetophenone              | 7.478  | 105  | 825197   | 41.127  | ng    | 99       |
| 24) Nitrobenzene              | 7.654  | 77   | 629030   | 40.159  | ng    | 99       |
| 25) Isophorone                | 7.890  | 82   | 1239644  | 42.598  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.972  | 139  | 363456   | 47.637  | ng    | # 91     |
| 27) 2,4-Dimethylphenol        | 7.995  | 122  | 606085   | 45.384  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.095  | 93   | 762832   | 42.656  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.207  | 162  | 543916   | 45.875  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.295  | 180  | 585808   | 46.139  | ng    | 99       |
| 31) Naphthalene               | 8.384  | 128  | 1741969  | 41.478  | ng    | 99       |
| 32) Benzoic acid              | 8.125  | 122  | 464889   | 47.029  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.419  | 127  | 334979   | 17.987  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.489  | 225  | 340100   | 47.648  | ng    | 99       |
| 35) Caprolactam               | 8.807  | 113  | 186603m  | 46.166  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.901  | 107  | 576362   | 45.122  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 9.072  | 142  | 1176662  | 41.363  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.172  | 142  | 1092775  | 41.336  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.242  | 216  | 533940   | 43.347  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.225  | 237  | 723554   | 100.681 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.348  | 196  | 402336   | 45.694  | ng    | 99       |

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 QLast Update : Thu Feb 02 01:30:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.389  | 196  | 433831   | 42.807 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.536  | 154  | 1415483  | 41.946 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.566  | 162  | 1106482  | 43.050 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.660  | 65   | 299893   | 39.233 | ng    | 87       |
| 49) Acenaphthylene            | 9.989  | 152  | 1749444  | 41.706 | ng    | 99       |
| 50) Dimethylphthalate         | 9.836  | 163  | 1353926  | 44.219 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.901  | 165  | 311497   | 45.552 | ng    | 92       |
| 52) Acenaphthene              | 10.160 | 154  | 1247948  | 47.520 | ng    | 100      |
| 53) 3-Nitroaniline            | 10.072 | 138  | 239899   | 28.929 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 10.183 | 184  | 362913   | 90.929 | ng    | # 87     |
| 55) Dibenzofuran              | 10.331 | 168  | 1549541  | 41.995 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.225 | 139  | 535978   | 85.889 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 10.313 | 165  | 418829   | 47.150 | ng    | # 85     |
| 58) Fluorene                  | 10.678 | 166  | 1179427  | 41.533 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.442 | 232  | 348395   | 47.155 | ng    | 99       |
| 60) Diethylphthalate          | 10.542 | 149  | 1363849  | 44.776 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.666 | 204  | 582180   | 43.199 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.695 | 138  | 327327   | 41.161 | ng    | 96       |
| 63) Azobenzene                | 10.825 | 77   | 1181909  | 39.836 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.719 | 198  | 225054   | 49.759 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.783 | 169  | 1067738  | 42.789 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.160 | 248  | 380487   | 46.627 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.225 | 284  | 433203   | 49.668 | ng    | 99       |
| 69) Atrazine                  | 11.307 | 200  | 375425   | 52.305 | ng    | 97       |
| 70) Pentachlorophenol         | 11.419 | 266  | 481967   | 80.424 | ng    | 99       |
| 71) Phenanthrene              | 11.648 | 178  | 1734765  | 41.658 | ng    | 99       |
| 72) Anthracene                | 11.701 | 178  | 1752059  | 41.342 | ng    | 99       |
| 73) Carbazole                 | 11.854 | 167  | 1542513  | 40.593 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.172 | 149  | 2020344  | 44.972 | ng    | 99       |
| 75) Fluoranthene              | 12.848 | 202  | 1668838  | 39.271 | ng    | 98       |
| 77) Benzidine                 | 12.960 | 184  | 502375   | 38.304 | ng    | 99       |
| 78) Pyrene                    | 13.077 | 202  | 1650508  | 54.701 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.683 | 149  | 724309   | 54.333 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.277 | 228  | 1178805  | 44.927 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.230 | 252  | 230715   | 27.608 | ng    | 98       |
| 83) Chrysene                  | 14.313 | 228  | 1074603  | 43.739 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.242 | 149  | 929687   | 51.595 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.877 | 149  | 1355101  | 46.108 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.530 | 276  | 1210314  | 53.522 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.395 | 252  | 1072115  | 49.560 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.430 | 252  | 940161   | 45.531 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.807 | 252  | 898585   | 44.608 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.548 | 278  | 996006   | 54.783 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 18.036 | 276  | 1006450  | 53.584 | ng    | 98       |

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

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