

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101623\  
 Data File : BF135774.D  
 Acq On : 16 Oct 2023 13:43  
 Operator : CG\JU  
 Sample : 04685-05MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PP-20230928-B6A-0-7.5MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/17/2023  
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 17 01:30:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 96070    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 363107   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.781  | 164  | 187197   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 362184   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 186522   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 206780   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 649688   | 108.727 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.392  | 99   | 751622   | 100.812 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 473690   | 71.749  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.580 | 330  | 189278   | 105.371 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 847153   | 70.756  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 871700   | 86.548  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.499  | 88   | 140157   | 48.628  | ng    | 97       |
| 3) Pyridine                   | 3.246  | 79   | 324360   | 45.867  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.216  | 42   | 215105   | 56.562  | ng    | 97       |
| 6) Aniline                    | 6.404  | 93   | 286293   | 30.513  | ng    | # 39     |
| 8) 2-Chlorophenol             | 6.528  | 128  | 347621   | 53.947  | ng    | 96       |
| 9) Benzaldehyde               | 6.298  | 77   | 65910    | 15.532  | ng    | 99       |
| 10) Phenol                    | 6.410  | 94   | 412367   | 52.785  | ng    | # 80     |
| 11) bis(2-Chloroethyl)ether   | 6.481  | 93   | 335789   | 53.345  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 351669   | 53.833  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 361433   | 54.616  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 328156   | 55.073  | ng    | 100      |
| 15) Benzyl Alcohol            | 6.892  | 79   | 275011   | 55.475  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 594788   | 52.246  | ng    | 89       |
| 17) 2-Methylphenol            | 7.010  | 107  | 272130   | 48.784  | ng    | 97       |
| 18) Hexachloroethane          | 7.239  | 117  | 132297   | 55.137  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 230636   | 50.030  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 346867   | 49.879  | ng    | 92       |
| 22) Acetophenone              | 7.151  | 105  | 463320   | 55.637  | ng    | # 99     |
| 24) Nitrobenzene              | 7.328  | 77   | 357345   | 53.931  | ng    | 99       |
| 25) Isophorone                | 7.569  | 82   | 657594   | 52.797  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.645  | 139  | 181797   | 56.221  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.687  | 122  | 259397   | 48.729  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 405891   | 54.721  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.892  | 162  | 281516   | 56.433  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 285151   | 55.888  | ng    | 99       |
| 31) Naphthalene               | 8.039  | 128  | 941637   | 53.167  | ng    | 98       |
| 32) Benzoic acid              | 7.845  | 122  | 182297   | 50.592  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 125490   | 16.220  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 171604   | 56.822  | ng    | 98       |
| 35) Caprolactam               | 8.492  | 113  | 96820m   | 56.774  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.604  | 107  | 300838   | 54.380  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.733  | 142  | 604386   | 51.795  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.834  | 142  | 570041   | 52.965  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 293091   | 54.429  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.881  | 237  | 80988    | 76.099  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 190413   | 54.874  | ng    | 97       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 198298   | 49.133  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.204  | 154  | 765238   | 53.365  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.228  | 162  | 574762   | 55.616  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.339  | 65   | 216784   | 53.143  | ng    | 98       |
| 49) Acenaphthylene            | 9.639  | 152  | 923801   | 54.016  | ng    | 99       |
| 50) Dimethylphthalate         | 9.510  | 163  | 666189   | 52.717  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 149321   | 54.947  | ng    | 100      |
| 52) Acenaphthene              | 9.816  | 154  | 548085   | 53.467  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.751  | 138  | 129705   | 38.935  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.875  | 184  | 112059   | 98.785  | ng    | 90       |
| 55) Dibenzofuran              | 9.986  | 168  | 817384   | 52.846  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.939  | 139  | 159056   | 102.545 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 189723   | 54.876  | ng    | 94       |
| 58) Fluorene                  | 10.333 | 166  | 650483   | 53.720  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 162498   | 53.277  | ng    | 98       |
| 60) Diethylphthalate          | 10.210 | 149  | 686129   | 53.184  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 310000   | 52.971  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.375 | 138  | 151144   | 49.312  | ng    | 97       |
| 63) Azobenzene                | 10.486 | 77   | 675986   | 53.932  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198  | 87696    | 48.112  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.451 | 169  | 586632   | 53.140  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 192555   | 52.962  | ng    | 98       |
| 68) Hexachlorobenzene         | 10.886 | 284  | 208253   | 56.261  | ng    | 97       |
| 69) Atrazine                  | 10.980 | 200  | 186007   | 61.947  | ng    | 99       |
| 70) Pentachlorophenol         | 11.092 | 266  | 149842   | 102.638 | ng    | 97       |
| 71) Phenanthrene              | 11.298 | 178  | 933919   | 53.827  | ng    | 99       |
| 72) Anthracene                | 11.351 | 178  | 948009   | 52.729  | ng    | 100      |
| 73) Carbazole                 | 11.516 | 167  | 870207   | 51.897  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 1139592  | 55.355  | ng    | 100      |
| 75) Fluoranthene              | 12.498 | 202  | 973279   | 50.543  | ng    | 98       |
| 77) Benzidine                 | 12.627 | 184  | 160893   | 39.531  | ng    | 98       |
| 78) Pyrene                    | 12.727 | 202  | 969413   | 65.404  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.351 | 149  | 426626   | 65.501  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 708279   | 57.812  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.892 | 252  | 155337   | 38.230  | ng    | 98       |
| 83) Chrysene                  | 13.968 | 228  | 648426   | 54.643  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 560280   | 63.468  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 876652   | 62.626  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.927 | 276  | 696387   | 61.808  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 651133   | 56.264  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 555108   | 49.407  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.357 | 252  | 559001   | 51.368  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.927 | 278  | 572764   | 62.012  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.374 | 276  | 553508   | 58.340  | ng    | 98       |

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

