

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042723\  
 Data File : BF133095.D  
 Acq On : 27 Apr 2023 12:45  
 Operator : CG\JU  
 Sample : PB152410BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152410BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/28/2023  
 Supervised By : Jagrut Upadhyay 04/28/2023

Quant Time: Apr 28 02:06:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 28 02:00:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 191577   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 773308   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 399504   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.257 | 188  | 723645   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.892 | 240  | 505662   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.309 | 264  | 444325   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 1551919  | 122.371 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.387  | 99   | 1866426  | 118.570 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 1151668  | 80.386  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.569 | 330  | 506257   | 126.004 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1975073  | 82.710  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.845 | 244  | 2357696  | 80.414  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.475  | 88   | 197885   | 33.640  | ng    | 96       |
| 3) Pyridine                   | 3.175  | 79   | 522302   | 33.430  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.134  | 42   | 300311   | 37.110  | ng    | 92       |
| 6) Aniline                    | 6.398  | 93   | 680911   | 33.585  | ng    | # 27     |
| 8) 2-Chlorophenol             | 6.522  | 128  | 569844   | 44.255  | ng    | 98       |
| 9) Benzaldehyde               | 6.281  | 77   | 305607   | 43.315  | ng    | 98       |
| 10) Phenol                    | 6.398  | 94   | 672954   | 38.753  | ng    | # 71     |
| 11) bis(2-Chloroethyl)ether   | 6.475  | 93   | 533685   | 40.955  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 603024   | 44.048  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 603211   | 43.965  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.910  | 146  | 584690   | 46.223  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.886  | 79   | 446433   | 41.057  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 868092   | 38.354  | ng    | 94       |
| 17) 2-Methylphenol            | 7.004  | 107  | 496490   | 42.109  | ng    | 98       |
| 18) Hexachloroethane          | 7.251  | 117  | 207571   | 43.515  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.163  | 70   | 372256   | 37.986  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.157  | 107  | 570493   | 41.086  | ng    | # 88     |
| 22) Acetophenone              | 7.151  | 105  | 768879   | 42.922  | ng    | # 97     |
| 24) Nitrobenzene              | 7.328  | 77   | 585005   | 40.296  | ng    | 98       |
| 25) Isophorone                | 7.563  | 82   | 1057772  | 38.887  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.639  | 139  | 325004   | 46.414  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.686  | 122  | 517993   | 43.141  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 631247   | 39.227  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.886  | 162  | 470425   | 43.038  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.969  | 180  | 493953   | 43.621  | ng    | 98       |
| 31) Naphthalene               | 8.045  | 128  | 1622899  | 41.976  | ng    | 99       |
| 32) Benzoic acid              | 7.816  | 122  | 375082   | 50.573  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.092  | 127  | 368223   | 23.572  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.163  | 225  | 266234   | 42.420  | ng    | 98       |
| 35) Caprolactam               | 8.469  | 113  | 172101m  | 46.869  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.581  | 107  | 507294   | 43.038  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.739  | 142  | 1048783  | 39.677  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.833  | 142  | 985045   | 39.836  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 440245   | 40.985  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.892  | 237  | 580233   | 92.622  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.016  | 196  | 313770   | 42.239  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.057  | 196  | 345480   | 40.213  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.198  | 154  | 1293729  | 40.839  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.222  | 162  | 969582   | 41.816  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.322  | 65   | 307358   | 40.109  | ng    | 92       |
| 49) Acenaphthylene            | 9.639  | 152  | 1498999  | 40.460  | ng    | 99       |
| 50) Dimethylphthalate         | 9.504  | 163  | 1124334  | 40.361  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.563  | 165  | 264967   | 42.261  | ng    | 86       |
| 52) Acenaphthene              | 9.810  | 154  | 1117609m | 45.040  | ng    |          |
| 53) 3-Nitroaniline            | 9.727  | 138  | 238413   | 31.981  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.839  | 184  | 333296   | 105.758 | ng    | 90       |
| 55) Dibenzofuran              | 9.980  | 168  | 1348134  | 39.829  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.898  | 139  | 526987   | 91.269  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 9.969  | 165  | 359996   | 45.023  | ng    | # 83     |
| 58) Fluorene                  | 10.322 | 166  | 1010474  | 40.747  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.104 | 232  | 289788   | 43.509  | ng    | 95       |
| 60) Diethylphthalate          | 10.204 | 149  | 1067342  | 40.564  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.316 | 204  | 482074   | 39.891  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.345 | 138  | 318714   | 46.515  | ng    | 97       |
| 63) Azobenzene                | 10.474 | 77   | 1060500  | 38.047  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.374 | 198  | 211584   | 48.239  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.439 | 169  | 936028   | 39.876  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.804 | 248  | 313796   | 39.982  | ng    | 96       |
| 68) Hexachlorobenzene         | 10.874 | 284  | 348555   | 43.341  | ng    | 95       |
| 69) Atrazine                  | 10.969 | 200  | 314776   | 46.539  | ng    | 99       |
| 70) Pentachlorophenol         | 11.069 | 266  | 433598   | 75.704  | ng    | 96       |
| 71) Phenanthrene              | 11.286 | 178  | 1587875  | 40.826  | ng    | 99       |
| 72) Anthracene                | 11.333 | 178  | 1615968  | 40.599  | ng    | 100      |
| 73) Carbazole                 | 11.492 | 167  | 1507344  | 42.530  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.821 | 149  | 1692693  | 42.203  | ng    | 100      |
| 75) Fluoranthene              | 12.468 | 202  | 1650156  | 42.275  | ng    | 98       |
| 77) Benzidine                 | 12.592 | 184  | 813883   | 95.180  | ng    | # 93     |
| 78) Pyrene                    | 12.698 | 202  | 1707104  | 39.382  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.321 | 149  | 727004   | 47.368  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.880 | 228  | 1409530  | 40.535  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.845 | 252  | 404037   | 42.061  | ng    | 98       |
| 83) Chrysene                  | 13.921 | 228  | 1396147  | 40.160  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.880 | 149  | 838963   | 43.550  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.492 | 149  | 1525541  | 48.566  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.698 | 276  | 1186539  | 46.947  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.910 | 252  | 1289502  | 45.618  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.939 | 252  | 1215002  | 43.360  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.257 | 252  | 1045135  | 40.621  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.715 | 278  | 993494   | 47.130  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.115 | 276  | 988826   | 47.514  | ng    | 97       |

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

