

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071223\  
 Data File : BF134254.D  
 Acq On : 12 Jul 2023 19:13  
 Operator : CG\JU  
 Sample : 03555-05MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

ETGI-369MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 12 23:23:16 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 11 13:06:48 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 97079    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 375627   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 174982   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 275924   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 166977   | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 15.551 | 264  | 149222   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 475165   | 81.876 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 584259   | 81.862 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 416194   | 59.727 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.681 | 330  | 155150   | 70.718 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 744861   | 61.889 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 577053   | 55.620 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 103100   | 43.085 | ng    | 99       |
| 3) Pyridine                   | 3.493  | 79   | 242086   | 38.839 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 166639   | 46.810 | ng    | 99       |
| 6) Aniline                    | 6.510  | 93   | 318678   | 36.693 | ng    | # 84     |
| 8) 2-Chlorophenol             | 6.634  | 128  | 295955   | 50.236 | ng    | 99       |
| 9) Benzaldehyde               | 6.398  | 77   | 202604   | 58.550 | ng    | 95       |
| 10) Phenol                    | 6.504  | 94   | 355392   | 47.359 | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 6.587  | 93   | 272351   | 49.297 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.787  | 146  | 319359   | 50.847 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.863  | 146  | 321181   | 50.629 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.016  | 146  | 301728   | 50.785 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.993  | 79   | 269197   | 48.926 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122  | 45   | 440155   | 45.033 | ng    | 94       |
| 17) 2-Methylphenol            | 7.104  | 107  | 239693   | 45.435 | ng    | 96       |
| 18) Hexachloroethane          | 7.351  | 117  | 122548   | 52.098 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 214071   | 47.297 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 294057   | 45.946 | ng    | 94       |
| 22) Acetophenone              | 7.257  | 105  | 417599   | 48.884 | ng    | 99       |
| 24) Nitrobenzene              | 7.434  | 77   | 327832   | 46.556 | ng    | 97       |
| 25) Isophorone                | 7.669  | 82   | 581054   | 45.881 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 162687   | 48.161 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.787  | 122  | 260379   | 48.696 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 332633   | 45.361 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.987  | 162  | 248541   | 46.875 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.069  | 180  | 267189   | 48.837 | ng    | 98       |
| 31) Naphthalene               | 8.151  | 128  | 1021207  | 56.284 | ng    | 100      |
| 32) Benzoic acid              | 7.904  | 122  | 145496m  | 36.313 | ng    |          |
| 33) 4-Chloroaniline           | 8.198  | 127  | 179913   | 23.181 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 173236   | 50.196 | ng    | 98       |
| 35) Caprolactam               | 8.587  | 113  | 77482m   | 44.381 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.687  | 107  | 271829   | 45.635 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.839  | 142  | 630568   | 49.145 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 541318   | 45.382 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.004  | 216  | 265341   | 51.183 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.987  | 237  | 103920   | 42.253 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 169656   | 48.074 | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.169  | 196  | 171448   | 41.301  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 719639   | 51.269  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.334  | 162  | 502647   | 48.943  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.434  | 65   | 174991   | 46.753  | ng    | 99       |
| 49) Acenaphthylene            | 9.751  | 152  | 836029   | 47.654  | ng    | 99       |
| 50) Dimethylphthalate         | 9.610  | 163  | 612216   | 48.198  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.675  | 165  | 129033   | 47.165  | ng    | # 84     |
| 52) Acenaphthene              | 9.922  | 154  | 540632   | 53.108  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.845  | 138  | 113109   | 34.463  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 49634    | 33.762  | ng    | 91       |
| 55) Dibenzofuran              | 10.092 | 168  | 844973   | 53.112  | ng    | 96       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 161337   | 70.276  | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 150191   | 41.570  | ng    | # 88     |
| 58) Fluorene                  | 10.439 | 166  | 594323   | 48.017  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232  | 134723   | 41.144  | ng    | # 97     |
| 60) Diethylphthalate          | 10.310 | 149  | 618945   | 46.771  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.428 | 204  | 268212   | 44.965  | ng    | 94       |
| 62) 4-Nitroaniline            | 10.463 | 138  | 110710   | 33.471  | ng    | 92       |
| 63) Azobenzene                | 10.592 | 77   | 565479   | 45.174  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 43092    | 28.646  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.551 | 169  | 474518   | 53.825  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.922 | 248  | 156299   | 53.294  | ng    | 94       |
| 68) Hexachlorobenzene         | 10.986 | 284  | 168232   | 54.027  | ng    | 96       |
| 69) Atrazine                  | 11.081 | 200  | 144702   | 59.340  | ng    | 98       |
| 70) Pentachlorophenol         | 11.186 | 266  | 141776   | 76.148  | ng    | 98       |
| 71) Phenanthrene              | 11.410 | 178  | 1177953  | 84.803  | ng    | 99       |
| 72) Anthracene                | 11.463 | 178  | 980806   | 67.887  | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 615443   | 46.540  | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 801264   | 50.952  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 2212534  | 147.336 | ng    | 98       |
| 77) Benzidine                 | 12.733 | 184  | 157846   | 39.729  | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 1852242  | 119.196 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 282815   | 48.527  | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1165846  | 100.676 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 168743   | 45.994  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 1096668  | 97.776  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 391248   | 58.424  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 645549   | 65.605  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.110 | 276  | 548595   | 52.981  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.116 | 252  | 1003788  | 114.400 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 656732   | 73.512  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 650834   | 76.707  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.121 | 278  | 359347   | 42.489  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.580 | 276  | 441326   | 50.601  | ng    | 97       |

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

