

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112923\  
 Data File : BF136283.D  
 Acq On : 29 Nov 2023 14:57  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 23:45:29 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 28 03:04:20 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 122288   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.087  | 136  | 512375   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 261234   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 452526   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 201910   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 226336   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 714251   | 81.294 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.446  | 99   | 885052   | 80.564 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 816887   | 84.249 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 258736   | 81.012 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1695864  | 82.919 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1473623  | 84.186 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.575  | 88   | 134643   | 40.502 | ng    | 97       |
| 3) Pyridine                   | 3.340  | 79   | 334727   | 40.789 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.305  | 42   | 154473   | 37.239 | ng    | 99       |
| 6) Aniline                    | 6.475  | 93   | 445754   | 42.929 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.593  | 128  | 386078   | 40.357 | ng    | 97       |
| 9) Benzaldehyde               | 6.363  | 77   | 243495   | 39.768 | ng    | 96       |
| 10) Phenol                    | 6.457  | 94   | 474868   | 40.291 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 346095   | 40.029 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.745  | 146  | 442282   | 40.739 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.822  | 146  | 446270   | 40.436 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 422967   | 40.482 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 295943   | 38.423 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 471318   | 39.245 | ng    | 99       |
| 17) 2-Methylphenol            | 7.057  | 107  | 304068   | 40.429 | ng    | 99       |
| 18) Hexachloroethane          | 7.316  | 117  | 156394   | 40.399 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 266330   | 40.535 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 398677   | 40.787 | ng    | # 87     |
| 22) Acetophenone              | 7.216  | 105  | 546527   | 40.614 | ng    | # 94     |
| 24) Nitrobenzene              | 7.387  | 77   | 412746   | 42.006 | ng    | 100      |
| 25) Isophorone                | 7.628  | 82   | 729023   | 41.698 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 193982   | 46.334 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.740  | 122  | 231179   | 41.953 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.840  | 93   | 447552   | 42.320 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.940  | 162  | 313985   | 42.244 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 384253   | 42.226 | ng    | 99       |
| 31) Naphthalene               | 8.110  | 128  | 1206538  | 41.894 | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 237207m  | 47.233 | ng    |          |
| 33) 4-Chloroaniline           | 8.157  | 127  | 415666   | 42.461 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 222476   | 41.789 | ng    | 98       |
| 35) Caprolactam               | 8.534  | 113  | 88148m   | 42.424 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 334981   | 41.555 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 747043   | 41.352 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 731385   | 41.501 | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.963  | 216  | 349285   | 42.013 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 133510   | 41.735 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 9.075  | 196  | 227622   | 42.182 | ng    | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 254926   | 43.290 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.263  | 154  | 956200   | 41.507 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.287  | 162  | 748576   | 41.843 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 193648   | 41.459 | ng    | 86       |
| 49) Acenaphthylene            | 9.704  | 152  | 1066937  | 41.791 | ng    | 100      |
| 50) Dimethylphthalate         | 9.569  | 163  | 798568   | 40.445 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 175597   | 43.533 | ng    | 98       |
| 52) Acenaphthene              | 9.875  | 154  | 663309   | 41.113 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 167849   | 41.938 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 78901    | 42.058 | ng    | 91       |
| 55) Dibenzofuran              | 10.051 | 168  | 986299   | 41.082 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 115820   | 38.101 | ng    | # 83     |
| 57) 2,4-Dinitrotoluene        | 10.034 | 165  | 223955   | 41.565 | ng    | 98       |
| 58) Fluorene                  | 10.392 | 166  | 755679   | 40.129 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 194345   | 41.478 | ng    | 98       |
| 60) Diethylphthalate          | 10.269 | 149  | 783203   | 39.654 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 369664   | 40.422 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 153178   | 39.099 | ng    | 94       |
| 63) Azobenzene                | 10.545 | 77   | 729355   | 39.833 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 112757   | 45.565 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 634037   | 43.721 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.881 | 248  | 228363   | 43.255 | ng    | 92       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 268043   | 43.868 | ng    | # 93     |
| 69) Atrazine                  | 11.039 | 200  | 174778   | 40.628 | ng    | 99       |
| 70) Pentachlorophenol         | 11.133 | 266  | 144743   | 41.908 | ng    | 98       |
| 71) Phenanthrene              | 11.357 | 178  | 1075467  | 42.285 | ng    | 99       |
| 72) Anthracene                | 11.410 | 178  | 1071289  | 42.002 | ng    | 100      |
| 73) Carbazole                 | 11.569 | 167  | 863675   | 39.814 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1074947  | 39.604 | ng    | 99       |
| 75) Fluoranthene              | 12.551 | 202  | 949701   | 36.782 | ng    | 96       |
| 77) Benzidine                 | 12.680 | 184  | 285068   | 85.888 | ng    | 99       |
| 78) Pyrene                    | 12.780 | 202  | 954195   | 43.152 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 279169   | 40.565 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 610199   | 40.687 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 177309   | 49.115 | ng    | 96       |
| 83) Chrysene                  | 14.010 | 228  | 593976   | 41.019 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 341589   | 41.358 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 596916   | 44.876 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 688932   | 41.128 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 600598   | 37.822 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 593079   | 39.325 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 536070   | 41.296 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 557795   | 41.470 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 561691   | 41.492 | ng    | 98       |

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

