

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050924\  
 Data File : BG061147.D  
 Acq On : 9 May 2024 11:32  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 05/10/2024  
 Supervised By :mohammad ahmed 05/13/2024

Quant Time: May 09 12:05:57 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed May 01 05:11:25 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 22486    | 20.000 | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.731 | 136  | 92311    | 20.000 | ng    | -0.03    |
| 39) Acenaphthene-d10          | 14.568 | 164  | 75630    | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.312 | 188  | 182468   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 21.577 | 240  | 185496   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 24.697 | 264  | 219082   | 20.000 | ng    | -0.03    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.525  | 112  | 88985    | 80.482 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.112  | 99   | 128956   | 78.843 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 150663   | 80.908 | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 16.060 | 330  | 107165   | 70.890 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.187 | 172  | 419717   | 82.063 | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.932 | 244  | 866020   | 77.647 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.445  | 88   | 15158    | 33.907 | ng    | 99       |
| 3) Pyridine                   | 3.833  | 79   | 42945    | 32.646 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.751  | 42   | 40847    | 32.319 | ng    | # 96     |
| 6) Aniline                    | 7.259  | 93   | 59968    | 36.984 | ng    | # 92     |
| 8) 2-Chlorophenol             | 7.505  | 128  | 51407    | 37.898 | ng    | 99       |
| 9) Benzaldehyde               | 7.077  | 77   | 39389    | 46.163 | ng    | 98       |
| 10) Phenol                    | 7.135  | 94   | 63872    | 38.400 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.359  | 93   | 45359    | 39.474 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.823  | 146  | 62677    | 39.195 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.970  | 146  | 63681    | 38.531 | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.293  | 146  | 62138    | 38.970 | ng    | 95       |
| 15) Benzyl Alcohol            | 8.169  | 79   | 52856    | 35.824 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 102458   | 41.092 | ng    | 99       |
| 17) 2-Methylphenol            | 8.381  | 107  | 45870    | 38.697 | ng    | 96       |
| 18) Hexachloroethane          | 9.015  | 117  | 23429    | 39.729 | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.739  | 70   | 46183    | 37.730 | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.710  | 107  | 64630    | 37.792 | ng    | 96       |
| 22) Acetophenone              | 8.757  | 105  | 92523    | 40.246 | ng    | # 98     |
| 24) Nitrobenzene              | 9.133  | 77   | 74733    | 41.024 | ng    | 98       |
| 25) Isophorone                | 9.656  | 82   | 131550   | 38.217 | ng    | 97       |
| 26) 2-Nitrophenol             | 9.844  | 139  | 33942    | 39.326 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.909  | 122  | 38976    | 39.169 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.138 | 93   | 68866    | 40.764 | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.384 | 162  | 60326    | 38.693 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.596 | 180  | 75906    | 40.406 | ng    | 97       |
| 31) Naphthalene               | 10.784 | 128  | 187340   | 39.049 | ng    | 99       |
| 32) Benzoic acid              | 10.061 | 122  | 28227m   | 24.539 | ng    |          |
| 33) 4-Chloroaniline           | 10.890 | 127  | 70659    | 36.929 | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.066 | 225  | 65827    | 40.838 | ng    | 96       |
| 35) Caprolactam               | 11.665 | 113  | 18391    | 32.755 | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 12.024 | 107  | 69484    | 36.959 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.388 | 142  | 136624   | 38.003 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.605 | 142  | 133676   | 36.934 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.758 | 216  | 104523   | 41.412 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.735 | 237  | 38353    | 39.694 | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 12.999 | 196  | 61030    | 37.663 | ng    | 95       |

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QLast Update : Wed May 01 05:11:25 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.081 | 196  | 66322    | 36.163 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.399 | 154  | 195955   | 40.409 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.446 | 162  | 157967   | 40.681 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.645 | 65   | 56742    | 39.379 | ng    | 97       |
| 49) Acenaphthylene            | 14.286 | 152  | 233604   | 39.169 | ng    | 98       |
| 50) Dimethylphthalate         | 14.021 | 163  | 220998   | 37.832 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.145 | 165  | 48068    | 38.470 | ng    | 92       |
| 52) Acenaphthene              | 14.632 | 154  | 146411   | 39.353 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.468 | 138  | 43327    | 37.897 | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 14.685 | 184  | 27473    | 32.369 | ng    | 98       |
| 55) Dibenzofuran              | 14.967 | 168  | 244835   | 38.960 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.797 | 139  | 30445    | 32.951 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 14.932 | 165  | 70114    | 37.928 | ng    | 92       |
| 58) Fluorene                  | 15.614 | 166  | 209558   | 38.537 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.196 | 232  | 66826m   | 35.397 | ng    |          |
| 60) Diethylphthalate          | 15.384 | 149  | 215190   | 36.530 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.608 | 204  | 124507   | 38.132 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.637 | 138  | 47824    | 38.569 | ng    | 97       |
| 63) Azobenzene                | 15.901 | 77   | 174565   | 38.067 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.702 | 198  | 45851    | 40.500 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.825 | 169  | 183059   | 40.456 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.501 | 248  | 88902    | 41.359 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.624 | 284  | 106363   | 39.756 | ng    | 98       |
| 69) Atrazine                  | 16.771 | 200  | 64918    | 34.789 | ng    | 99       |
| 70) Pentachlorophenol         | 16.971 | 266  | 59507    | 36.205 | ng    | 98       |
| 71) Phenanthrene              | 17.359 | 178  | 329336   | 39.474 | ng    | 99       |
| 72) Anthracene                | 17.447 | 178  | 329453   | 39.573 | ng    | 99       |
| 73) Carbazole                 | 17.717 | 167  | 288392   | 39.399 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.281 | 149  | 341212   | 39.202 | ng    | 99       |
| 75) Fluoranthene              | 19.368 | 202  | 446505   | 39.064 | ng    | 99       |
| 77) Benzidine                 | 19.550 | 184  | 114679   | 33.392 | ng    | 98       |
| 78) Pyrene                    | 19.732 | 202  | 462236   | 39.195 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.625 | 149  | 148471   | 39.772 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.554 | 228  | 475409   | 39.166 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.471 | 252  | 171556   | 39.273 | ng    | 100      |
| 83) Chrysene                  | 21.618 | 228  | 441125   | 38.789 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.471 | 149  | 202050   | 41.449 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.652 | 149  | 343616   | 39.954 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.252 | 276  | 572992   | 39.465 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.710 | 252  | 474364   | 38.748 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.775 | 252  | 450972   | 38.291 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.550 | 252  | 416056   | 39.009 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.310 | 278  | 472701   | 39.314 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 29.368 | 276  | 467321   | 39.111 | ng    | 99       |

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

