

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071924\  
 Data File : BF138578.D  
 Acq On : 19 Jul 2024 09:18  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/20/2024  
 Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 09:43:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 85070    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 341120   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 185607   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 327387   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 194971   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 160777   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 452110   | 84.170 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 606295   | 84.849 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 563866   | 81.158 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 138595   | 79.896 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 919118   | 77.394 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.963 | 244  | 867607   | 72.495 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 104379   | 43.876 | ng    | 99       |
| 3) Pyridine                   | 3.387  | 79   | 260846   | 44.462 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.346  | 42   | 160988   | 42.154 | ng    | 93       |
| 6) Aniline                    | 6.528  | 93   | 284697   | 42.537 | ng    | 90       |
| 8) 2-Chlorophenol             | 6.651  | 128  | 237631   | 41.839 | ng    | 98       |
| 9) Benzaldehyde               | 6.416  | 77   | 152518   | 39.877 | ng    | 98       |
| 10) Phenol                    | 6.516  | 94   | 323783   | 42.689 | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 238397   | 41.747 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.804  | 146  | 259444   | 40.638 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.881  | 146  | 260828   | 40.232 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.034  | 146  | 243042   | 40.251 | ng    | 97       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 221396   | 41.286 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 446550   | 39.765 | ng    | 88       |
| 17) 2-Methylphenol            | 7.116  | 107  | 194998   | 41.891 | ng    | 97       |
| 18) Hexachloroethane          | 7.369  | 117  | 99229    | 41.634 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 177190   | 40.131 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 242436   | 41.360 | ng    | 96       |
| 22) Acetophenone              | 7.275  | 105  | 326875   | 39.455 | ng    | 100      |
| 24) Nitrobenzene              | 7.445  | 77   | 287129   | 40.667 | ng    | 97       |
| 25) Isophorone                | 7.681  | 82   | 482285   | 40.421 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.763  | 139  | 124826   | 41.249 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 150708   | 40.521 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 289709   | 40.628 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 190512   | 39.445 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 213303   | 37.911 | ng    | 97       |
| 31) Naphthalene               | 8.163  | 128  | 714429   | 40.270 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 138593   | 39.070 | ng    | 94       |
| 33) 4-Chloroaniline           | 8.216  | 127  | 244212   | 39.232 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 126740   | 36.580 | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 66508    | 42.674 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 218290   | 40.371 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 446801   | 39.135 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 434343   | 38.982 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 195236   | 37.742 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 53135    | 31.646 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 129522   | 39.252 | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071924\  
 Data File : BF138578.D  
 Acq On : 19 Jul 2024 09:18  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 09:43:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 09 16:58:40 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 140281   | 38.652 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 560850   | 39.872 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 419902   | 39.515 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 156451   | 42.487 | ng    | 93       |
| 49) Acenaphthylene            | 9.763  | 152  | 608569   | 40.338 | ng    | 100      |
| 50) Dimethylphthalate         | 9.622  | 163  | 474684   | 39.551 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 111799   | 40.458 | ng    | 91       |
| 52) Acenaphthene              | 9.933  | 154  | 410322m  | 40.915 | ng    |          |
| 53) 3-Nitroaniline            | 9.851  | 138  | 119108   | 42.054 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 51181    | 37.165 | ng    | 89       |
| 55) Dibenzofuran              | 10.104 | 168  | 576553   | 39.636 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 84324    | 40.350 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 149470   | 41.805 | ng    | 100      |
| 58) Fluorene                  | 10.445 | 166  | 452389   | 39.305 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 109336   | 38.172 | ng    | 97       |
| 60) Diethylphthalate          | 10.316 | 149  | 462059   | 39.936 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 220930   | 38.226 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 120310   | 42.391 | ng    | 96       |
| 63) Azobenzene                | 10.598 | 77   | 501181   | 40.290 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 78991    | 41.786 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 386415   | 39.395 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.927 | 248  | 126647   | 37.637 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.992 | 284  | 145898   | 39.029 | ng    | 96       |
| 69) Atrazine                  | 11.080 | 200  | 103739   | 31.900 | ng    | 97       |
| 70) Pentachlorophenol         | 11.186 | 266  | 84885    | 38.375 | ng    | 97       |
| 71) Phenanthrene              | 11.410 | 178  | 647258   | 39.133 | ng    | 100      |
| 72) Anthracene                | 11.457 | 178  | 656609   | 39.992 | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 602720   | 40.849 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 709352   | 41.708 | ng    | 99       |
| 75) Fluoranthene              | 12.592 | 202  | 694174   | 41.131 | ng    | 96       |
| 77) Benzidine                 | 12.716 | 184  | 202439   | 41.154 | ng    | 99       |
| 78) Pyrene                    | 12.827 | 202  | 700583   | 35.397 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 261154   | 43.863 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 522457   | 39.935 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 133234   | 39.523 | ng    | 98       |
| 83) Chrysene                  | 14.045 | 228  | 492210   | 39.771 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 301514   | 47.483 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.604 | 149  | 413025   | 41.174 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.956 | 276  | 411777   | 38.130 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 382964   | 42.296 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 364980   | 41.331 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 322934   | 40.600 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 332040   | 37.587 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 358435   | 38.264 | ng    | 96       |

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

