

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
 Data File : BF138462.D  
 Acq On : 05 Jul 2024 11:47  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 12:21:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 02:44:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 123721   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 494912   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 277901   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 473104   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 195952   | 20.000 | ng    | # 0.01   |
| 86) Perylene-d12              | 15.504 | 264  | 241597   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 606844   | 81.322 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 828105   | 82.379 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 843093   | 88.494 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 191845   | 84.495 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1373296  | 78.645 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1185678  | 82.922 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.640  | 88   | 137390   | 39.087 | ng    | 96       |
| 3) Pyridine                   | 3.398  | 79   | 343583   | 40.974 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 228515   | 43.681 | ng    | 93       |
| 6) Aniline                    | 6.539  | 93   | 396547   | 40.424 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 332543   | 41.511 | ng    | 100      |
| 9) Benzaldehyde               | 6.428  | 77   | 254553   | 41.027 | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 438115   | 40.908 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 330426   | 39.283 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 368773   | 40.198 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 368015   | 40.007 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 343454   | 40.445 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 311227   | 43.225 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 670188   | 39.501 | ng    | 99       |
| 17) 2-Methylphenol            | 7.133  | 107  | 269598   | 40.607 | ng    | 98       |
| 18) Hexachloroethane          | 7.386  | 117  | 135572   | 40.861 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 248019   | 39.137 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 329502   | 42.714 | ng    | 94       |
| 22) Acetophenone              | 7.286  | 105  | 455352   | 40.556 | ng    | 99       |
| 24) Nitrobenzene              | 7.463  | 77   | 408567   | 42.163 | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 698913   | 39.785 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 183177   | 43.826 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 213750   | 39.958 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 406827   | 38.475 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 278934   | 40.599 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 314516   | 39.371 | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 997517   | 39.870 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 215355m  | 44.383 | ng    |          |
| 33) 4-Chloroaniline           | 8.228  | 127  | 352253   | 40.313 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 189819   | 39.577 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 92245    | 42.518 | ng    | # 86     |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 311377   | 42.548 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 641063   | 39.646 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 625433   | 39.883 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 292739   | 38.083 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 78721    | 34.792 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 192712   | 39.400 | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 211546   | 39.768 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 795152   | 38.321 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 613760   | 38.795 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 226770   | 44.436 | ng    | 95       |
| 49) Acenaphthylene            | 9.775  | 152  | 884030   | 39.732 | ng    | 100      |
| 50) Dimethylphthalate         | 9.639  | 163  | 699844   | 39.184 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 165551   | 41.387 | ng    | 95       |
| 52) Acenaphthene              | 9.951  | 154  | 618838m  | 40.619 | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 164697   | 41.689 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 68337    | 44.813 | ng    | 95       |
| 55) Dibenzofuran              | 10.122 | 168  | 831532   | 39.613 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 116136   | 45.339 | ng    | 84       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 217610   | 44.183 | ng    | 94       |
| 58) Fluorene                  | 10.463 | 166  | 644178   | 38.621 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 164429   | 41.616 | ng    | 98       |
| 60) Diethylphthalate          | 10.333 | 149  | 664480   | 39.793 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 320097   | 37.824 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.480 | 138  | 157574   | 43.455 | ng    | 91       |
| 63) Azobenzene                | 10.610 | 77   | 713224   | 40.444 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 109777   | 43.899 | ng    | 80       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 547745   | 37.294 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 187911   | 36.952 | ng    | 92       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 206979   | 36.928 | ng    | 95       |
| 69) Atrazine                  | 11.098 | 200  | 145545   | 35.343 | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 118362   | 41.607 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 910268   | 39.407 | ng    | 99       |
| 72) Anthracene                | 11.474 | 178  | 913661   | 39.662 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 787496   | 41.177 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 946871   | 39.068 | ng    | 100      |
| 75) Fluoranthene              | 12.610 | 202  | 869453   | 41.985 | ng    | 98       |
| 77) Benzidine                 | 12.733 | 184  | 20719    | 13.223 | ng    | 95       |
| 78) Pyrene                    | 12.839 | 202  | 834135   | 39.828 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 257650   | 40.429 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 508859   | 40.346 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 153816   | 41.307 | ng    | 99       |
| 83) Chrysene                  | 14.062 | 228  | 485843   | 39.587 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 288611   | 36.112 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 514364   | 36.769 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 488624   | 40.252 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 526037   | 39.684 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 491394   | 40.247 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 463398   | 39.884 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 391421   | 39.946 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 398547   | 41.577 | ng    | 97       |

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

