

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050522\  
 Data File : BF128086.D  
 Acq On : 05 May 2022 10:34  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian  
 Giraldo

Quant Time: May 05 17:57:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 17:56:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.910  | 152  | 109589   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 401506   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.951  | 164  | 227579   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.445 | 188  | 408682   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.092 | 240  | 282567   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.592 | 264  | 210916   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 573356   | 83.332 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.545  | 99   | 759175   | 85.036 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 770079   | 90.191 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 215556   | 94.090 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.269  | 172  | 1230664  | 91.483 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1316828  | 85.215 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 138014   | 42.042 | ng    | 97       |
| 3) Pyridine                   | 3.528  | 79   | 353889   | 42.073 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.510  | 42   | 179049   | 43.977 | ng    | 97       |
| 6) Aniline                    | 6.581  | 93   | 453187   | 42.725 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.698  | 128  | 297641   | 41.680 | ng    | 98       |
| 9) Benzaldehyde               | 6.463  | 77   | 182382   | 33.022 | ng    | 93       |
| 10) Phenol                    | 6.557  | 94   | 387880   | 43.077 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.651  | 93   | 305662   | 40.922 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.851  | 146  | 337690   | 41.081 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.928  | 146  | 337370   | 41.118 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.081  | 146  | 313799   | 41.313 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.057  | 79   | 317947   | 52.370 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.181  | 45   | 452285   | 39.619 | ng    | 99       |
| 17) 2-Methylphenol            | 7.163  | 107  | 257568   | 41.803 | ng    | 96       |
| 18) Hexachloroethane          | 7.422  | 117  | 129444   | 42.914 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 240126   | 43.938 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.316  | 107  | 317567   | 42.666 | ng    | 96       |
| 22) Acetophenone              | 7.328  | 105  | 424380   | 43.366 | ng    | 98       |
| 24) Nitrobenzene              | 7.498  | 77   | 362758   | 44.091 | ng    | 98       |
| 25) Isophorone                | 7.739  | 82   | 609674   | 42.425 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.810  | 139  | 162887   | 46.460 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.845  | 122  | 247993   | 42.586 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.939  | 93   | 379798   | 41.239 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.051  | 162  | 258732   | 42.410 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.133  | 180  | 290770   | 41.958 | ng    | 98       |
| 31) Naphthalene               | 8.216  | 128  | 852730   | 41.699 | ng    | 99       |
| 32) Benzoic acid              | 7.986  | 122  | 187301   | 44.873 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.269  | 127  | 339902   | 42.009 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.328  | 225  | 196641   | 45.049 | ng    | 99       |
| 35) Caprolactam               | 8.657  | 113  | 81583    | 41.428 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.751  | 107  | 286906   | 44.034 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.910  | 142  | 574581   | 42.515 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.010  | 142  | 546777   | 41.624 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.075  | 216  | 287651   | 42.882 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 148630   | 40.896 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.186  | 196  | 193962   | 43.945 | ng    | 99       |

05/06/2022  
 Supervised By : mohammad  
 Ghmed

05/09/2022

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                         |
|-------------------------------|--------|------|----------|--------|-------|----------|-------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.228  | 196  | 201330   | 41.960 | ng    | 99       | 05/06/2022              |
| 46) 1,1'-Biphenyl             | 9.375  | 154  | 699368   | 41.486 | ng    | 99       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 9.398  | 162  | 526109   | 40.996 | ng    | 96       | ahmed                   |
| 48) 2-Nitroaniline            | 9.498  | 65   | 193185   | 44.502 | ng    | 96       |                         |
| 49) Acenaphthylene            | 9.816  | 152  | 807305   | 41.125 | ng    | 100      |                         |
| 50) Dimethylphthalate         | 9.675  | 163  | 629476   | 41.243 | ng    | 99       |                         |
| 51) 2,6-Dinitrotoluene        | 9.739  | 165  | 139960   | 42.354 | ng    | 93       | 05/09/2022              |
| 52) Acenaphthene              | 9.986  | 154  | 555826m  | 42.115 | ng    |          |                         |
| 53) 3-Nitroaniline            | 9.916  | 138  | 149444   | 40.725 | ng    | 98       |                         |
| 54) 2,4-Dinitrophenol         | 10.022 | 184  | 81028    | 46.559 | ng    | 94       |                         |
| 55) Dibenzofuran              | 10.163 | 168  | 776369   | 40.773 | ng    | 100      |                         |
| 56) 4-Nitrophenol             | 10.075 | 139  | 105945   | 37.809 | ng    | 94       |                         |
| 57) 2,4-Dinitrotoluene        | 10.145 | 165  | 185469   | 42.371 | ng    | # 84     |                         |
| 58) Fluorene                  | 10.504 | 166  | 599357   | 42.183 | ng    | 100      |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232  | 168313   | 41.715 | ng    | 100      |                         |
| 60) Diethylphthalate          | 10.369 | 149  | 615784   | 41.144 | ng    | 100      |                         |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204  | 299129   | 42.366 | ng    | 95       |                         |
| 62) 4-Nitroaniline            | 10.533 | 138  | 149528   | 41.680 | ng    | 94       |                         |
| 63) Azobenzene                | 10.657 | 77   | 676429   | 41.074 | ng    | 97       |                         |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198  | 118717   | 48.888 | ng    | 97       |                         |
| 66) n-Nitrosodiphenylamine    | 10.616 | 169  | 518143   | 40.746 | ng    | 100      |                         |
| 67) 4-Bromophenyl-phenylether | 10.986 | 248  | 190905   | 42.138 | ng    | 94       |                         |
| 68) Hexachlorobenzene         | 11.051 | 284  | 208452   | 43.671 | ng    | 96       |                         |
| 69) Atrazine                  | 11.139 | 200  | 157076   | 39.946 | ng    | 96       |                         |
| 70) Pentachlorophenol         | 11.245 | 266  | 106475   | 37.917 | ng    | 97       |                         |
| 71) Phenanthrene              | 11.474 | 178  | 871736   | 40.749 | ng    | 99       |                         |
| 72) Anthracene                | 11.522 | 178  | 876273   | 41.120 | ng    | 99       |                         |
| 73) Carbazole                 | 11.680 | 167  | 821081   | 39.978 | ng    | 99       |                         |
| 74) Di-n-butylphthalate       | 11.998 | 149  | 930402   | 40.286 | ng    | 100      |                         |
| 75) Fluoranthene              | 12.663 | 202  | 917541   | 40.752 | ng    | 97       |                         |
| 77) Benzidine                 | 12.780 | 184  | 235248   | 44.000 | ng    | 98       |                         |
| 78) Pyrene                    | 12.892 | 202  | 928656   | 40.712 | ng    | 99       |                         |
| 80) Butylbenzylphthalate      | 13.504 | 149  | 385256   | 43.091 | ng    | 91       |                         |
| 81) Benzo(a)anthracene        | 14.080 | 228  | 781120   | 41.474 | ng    | 99       |                         |
| 82) 3,3'-Dichlorobenzidine    | 14.045 | 252  | 231235   | 38.668 | ng    | # 98     |                         |
| 83) Chrysene                  | 14.121 | 228  | 723918   | 40.246 | ng    | 100      |                         |
| 84) Bis(2-ethylhexyl)phtha... | 14.057 | 149  | 488347   | 41.189 | ng    | 99       |                         |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 755932   | 41.142 | ng    | 100      |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 17.127 | 276  | 534180   | 37.944 | ng    | 96       |                         |
| 88) Benzo(b)fluoranthene      | 15.151 | 252  | 571268   | 43.123 | ng    | 98       |                         |
| 89) Benzo(k)fluoranthene      | 15.180 | 252  | 573091   | 42.940 | ng    | 98       |                         |
| 90) Benzo(a)pyrene            | 15.533 | 252  | 452593   | 41.188 | ng    | # 98     |                         |
| 91) Dibenzo(a,h)anthracene    | 17.145 | 278  | 435221   | 38.547 | ng    | # 97     |                         |
| 92) Benzo(g,h,i)perylene      | 17.598 | 276  | 447424   | 37.603 | ng    | 97       |                         |

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

