

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071924\  
 Data File : BF138594.D  
 Acq On : 19 Jul 2024 17:31  
 Operator : RC/JU  
 Sample : P3193-02MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FILL-MATERIAL-1MSD

Quant Time: Jul 19 17:53:33 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

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 76436    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.139  | 136  | 314922   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.898  | 164  | 171964   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 306242   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 154571   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.480 | 264  | 173141   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 562668   | 116.585 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 779779   | 121.455 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 501285   | 78.152  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 193091   | 120.143 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 839986   | 76.343  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.963 | 244  | 825594   | 87.014  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.699  | 88   | 101847   | 47.648  | ng    | 97       |
| 3) Pyridine                   | 3.457  | 79   | 258698   | 49.077  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 198685   | 57.901  | ng    | 92       |
| 6) Aniline                    | 6.522  | 93   | 303636   | 50.492  | ng    | # 51     |
| 8) 2-Chlorophenol             | 6.645  | 128  | 301467   | 59.073  | ng    | 97       |
| 9) Benzaldehyde               | 6.410  | 77   | 33225    | 9.668   | ng    | 97       |
| 10) Phenol                    | 6.516  | 94   | 398156   | 58.425  | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 293804   | 57.262  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 305236   | 53.211  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 308044   | 52.882  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 294851   | 54.347  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 288044   | 59.781  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 540236   | 53.541  | ng    | 69       |
| 17) 2-Methylphenol            | 7.116  | 107  | 242212   | 57.912  | ng    | 95       |
| 18) Hexachloroethane          | 7.369  | 117  | 113995   | 53.232  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 225315   | 56.795  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 300239   | 57.006  | ng    | 92       |
| 22) Acetophenone              | 7.269  | 105  | 382200   | 49.970  | ng    | 97       |
| 24) Nitrobenzene              | 7.445  | 77   | 342865   | 52.601  | ng    | 96       |
| 25) Isophorone                | 7.681  | 82   | 614791   | 55.813  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 161153   | 57.684  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 207177m  | 60.337  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 364335   | 55.344  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 246594   | 55.304  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 255990   | 49.283  | ng    | 98       |
| 31) Naphthalene               | 8.163  | 128  | 869909   | 53.113  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 158408   | 48.370  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 223227   | 38.844  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 145327   | 45.434  | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 81346m   | 56.536  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 281790   | 56.450  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 559183   | 53.053  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 517258   | 50.285  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 229185   | 47.819  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 186513   | 119.895 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 166844   | 54.574  | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.181  | 196  | 175920   | 52.318  | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 655857   | 50.326  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 525200   | 53.345  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.445  | 65   | 207739   | 60.891  | ng    | 97       |
| 49) Acenaphthylene            | 9.763  | 152  | 837887   | 59.943  | ng    | 100      |
| 50) Dimethylphthalate         | 9.622  | 163  | 625569   | 56.259  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 138796   | 54.212  | ng    | 90       |
| 52) Acenaphthene              | 9.933  | 154  | 511203   | 55.018  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.857  | 138  | 120089   | 45.764  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 148641   | 106.533 | ng    | 96       |
| 55) Dibenzofuran              | 10.104 | 168  | 749209   | 55.592  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.028 | 139  | 213788   | 110.417 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 190505   | 57.509  | ng    | 92       |
| 58) Fluorene                  | 10.445 | 166  | 578054   | 54.208  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 149748   | 56.429  | ng    | 99       |
| 60) Diethylphthalate          | 10.322 | 149  | 607408   | 56.663  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.433 | 204  | 273552   | 51.086  | ng    | 92       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 154409   | 58.721  | ng    | 98       |
| 63) Azobenzene                | 10.598 | 77   | 672305   | 58.334  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 112123   | 63.408  | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 510856   | 55.678  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.927 | 248  | 167943   | 53.356  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.992 | 284  | 184808   | 52.852  | ng    | 95       |
| 69) Atrazine                  | 11.086 | 200  | 156631   | 51.489  | ng    | 99       |
| 70) Pentachlorophenol         | 11.186 | 266  | 195449   | 94.460  | ng    | 97       |
| 71) Phenanthrene              | 11.410 | 178  | 858824   | 55.510  | ng    | 99       |
| 72) Anthracene                | 11.457 | 178  | 867286   | 56.471  | ng    | 99       |
| 73) Carbazole                 | 11.616 | 167  | 756941   | 54.844  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 931152   | 58.530  | ng    | 100      |
| 75) Fluoranthene              | 12.592 | 202  | 813548   | 51.532  | ng    | 98       |
| 77) Benzidine                 | 12.716 | 184  | 178939   | 45.884  | ng    | 99       |
| 78) Pyrene                    | 12.821 | 202  | 801980   | 51.111  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 311572   | 66.009  | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 603532   | 58.190  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 152915   | 57.217  | ng    | # 98     |
| 83) Chrysene                  | 14.045 | 228  | 541566   | 55.196  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 392285   | 77.925  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.604 | 149  | 604545   | 76.018  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.956 | 276  | 639772   | 55.011  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 559848   | 57.416  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 525640   | 55.273  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 507774   | 59.280  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.974 | 278  | 505465   | 53.132  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 481342   | 47.715  | ng    | 96       |

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

