

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103124\  
 Data File : BF140188.D  
 Acq On : 31 Oct 2024 14:48  
 Operator : RC/JU  
 Sample : P4611-03MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Quant Time: Oct 31 15:45:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/04/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 98195    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 382461   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.928  | 164  | 224254   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 391246   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 204523   | 20.000  | ng    | 0.04     |
| 86) Perylene-d12              | 15.615 | 264  | 196729   | 20.000  | ng    | 0.09     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 839228   | 133.795 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1030031  | 126.791 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 802437   | 116.284 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 372381   | 177.527 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1461139  | 107.682 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1448971  | 115.443 | ng    | 0.02     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.799  | 88   | 93756    | 32.058  | ng    | # 82     |
| 3) Pyridine                   | 3.528  | 79   | 219320   | 30.255  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 160920   | 41.318  | ng    | # 97     |
| 6) Aniline                    | 6.551  | 93   | 212602   | 28.080  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.669  | 128  | 317609   | 49.531  | ng    | 99       |
| 9) Benzaldehyde               | 6.434  | 77   | 34442    | 7.536   | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 360733m  | 43.071  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 302008   | 46.653  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 252296   | 34.275  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 258036   | 35.088  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 257024   | 37.448  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 323924   | 54.357  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 468846   | 42.475  | ng    | 96       |
| 17) 2-Methylphenol            | 7.134  | 107  | 275382   | 50.364  | ng    | 98       |
| 18) Hexachloroethane          | 7.398  | 117  | 89441    | 34.106  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 246383   | 50.006  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 342815   | 49.017  | ng    | # 81     |
| 22) Acetophenone              | 7.292  | 105  | 452507   | 48.305  | ng    | 97       |
| 24) Nitrobenzene              | 7.469  | 77   | 362597   | 47.925  | ng    | 100      |
| 25) Isophorone                | 7.704  | 82   | 691574   | 52.802  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 172024   | 60.269  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 285226   | 59.930  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 398989   | 50.280  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 291612   | 53.793  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 257574   | 42.940  | ng    | 99       |
| 31) Naphthalene               | 8.186  | 128  | 912182   | 46.245  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 225606   | 54.349  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 109213   | 16.237  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 154039   | 40.871  | ng    | 100      |
| 35) Caprolactam               | 8.610  | 113  | 91055m   | 52.826  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 345806   | 57.609  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 632328   | 52.343  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 591495   | 49.906  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 300147   | 49.611  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 321218   | 152.589 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 240885   | 56.237  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 244603   | 55.349  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 806419   | 51.656  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 636628   | 50.632  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 244542   | 63.591  | ng    | 96       |
| 49) Acenaphthylene            | 9.792  | 152  | 1025363  | 56.408  | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 815755   | 58.400  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 179238   | 59.264  | ng    | 99       |
| 52) Acenaphthene              | 9.963  | 154  | 747988   | 63.610  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.880  | 138  | 125035   | 40.089  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 221414   | 168.353 | ng    | # 1      |
| 55) Dibenzofuran              | 10.139 | 168  | 914959   | 54.231  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 273254   | 113.877 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 246639   | 66.314  | ng    | 98       |
| 58) Fluorene                  | 10.480 | 166  | 716348   | 55.746  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232  | 204206   | 58.944  | ng    | 99       |
| 60) Diethylphthalate          | 10.357 | 149  | 783653   | 57.139  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 359522   | 55.401  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 183502   | 62.295  | ng    | 97       |
| 63) Azobenzene                | 10.633 | 77   | 782497   | 53.817  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 140768   | 88.207  | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 672045   | 57.391  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 229770   | 57.007  | ng    | 99       |
| 68) Hexachlorobenzene         | 11.033 | 284  | 252944   | 55.800  | ng    | 97       |
| 69) Atrazine                  | 11.122 | 200  | 220375   | 69.474  | ng    | 99       |
| 70) Pentachlorophenol         | 11.227 | 266  | 314219   | 114.214 | ng    | 100      |
| 71) Phenanthrene              | 11.451 | 178  | 1037608  | 56.145  | ng    | 100      |
| 72) Anthracene                | 11.498 | 178  | 1049527  | 58.205  | ng    | 99       |
| 73) Carbazole                 | 11.651 | 167  | 908563   | 54.179  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 1152620  | 59.491  | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 970190   | 51.930  | ng    | 99       |
| 77) Benzidine                 | 12.757 | 184  | 51780    | 15.397  | ng    | 99       |
| 78) Pyrene                    | 12.869 | 202  | 966952   | 54.012  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.492 | 149  | 394680   | 73.535  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.074 | 228  | 777135   | 58.371  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.039 | 252  | 181641   | 46.792  | ng    | 99       |
| 83) Chrysene                  | 14.116 | 228  | 699790   | 57.326  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149  | 491278   | 81.584  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.715 | 149  | 776642   | 70.908  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.151 | 276  | 587551   | 46.424  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.174 | 252  | 756624   | 63.137  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.204 | 252  | 582653   | 56.376  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.557 | 252  | 607559   | 61.614  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.174 | 278  | 485077   | 45.944  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.615 | 276  | 422462   | 40.059  | ng    | 98       |

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

