

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121520\  
 Data File : BF122729.D  
 Acq On : 15 Dec 2020 22:17  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

mohammad  
 12/17/2020 9:53:40 AM

Quant Time: Dec 16 01:56:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 159251   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 531812   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 242968   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 405053   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 353153   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.433 | 264  | 416064   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 790931   | 78.63 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 999903   | 74.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 824980   | 77.72 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 242887   | 76.37 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1390092  | 77.38 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1455677  | 72.15 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.528  | 88   | 193141   | 40.85 | ng    | 97       |
| 3) Pyridine                   | 3.269  | 79   | 484722   | 38.79 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.222  | 42   | 190054   | 37.92 | ng    | 96       |
| 6) Aniline                    | 6.481  | 93   | 598447   | 38.11 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 425532   | 38.38 | ng    | 100      |
| 9) Benzaldehyde               | 6.369  | 77   | 321180   | 39.78 | ng    | 99       |
| 10) Phenol                    | 6.469  | 94   | 524297   | 37.93 | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 399794   | 37.86 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 511206   | 38.97 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.839  | 146  | 504632   | 38.15 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 471107   | 36.89 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 337763   | 36.77 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 535896   | 35.58 | ng    | 98       |
| 17) 2-Methylphenol            | 7.075  | 107  | 330440   | 37.49 | ng    | 97       |
| 18) Hexachloroethane          | 7.334  | 117  | 179644   | 38.11 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.234  | 70   | 255498   | 33.43 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.228  | 107  | 391108   | 35.13 | ng    | 96       |
| 22) Acetophenone              | 7.234  | 105  | 503943   | 38.11 | ng    | 99       |
| 24) Nitrobenzene              | 7.404  | 77   | 413289   | 39.14 | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 661439   | 36.18 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 209896   | 40.76 | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 288882   | 38.27 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 471138   | 37.63 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 338418   | 38.39 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 391112   | 39.16 | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1138941  | 38.81 | ng    | 100      |
| 32) Benzoic acid              | 7.881  | 122  | 167239m  | 27.81 | ng    |          |
| 33) 4-Chloroaniline           | 8.175  | 127  | 459326   | 37.44 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 242569   | 39.46 | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 86928    | 32.74 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 312042   | 35.94 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 715901   | 36.88 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 673168   | 36.66 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 346692   | 43.08 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 158112   | 44.44 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.092  | 196  | 226314   | 40.72 | ng    | 100      |

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| 44) 2,4,5-Trichlorophenol     | 9.133  | 196  | 229175   | 39.89 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.280  | 154  | 832063   | 41.26 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 693069   | 41.48 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.398  | 65   | 191769   | 39.37 | ng    | 91       |
| 49) Acenaphthylene            | 9.722  | 152  | 997666   | 40.43 | ng    | 99       |
| 50) Dimethylphthalate         | 9.580  | 163  | 727612   | 37.50 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 162809   | 39.73 | ng    | 92       |
| 52) Acenaphthene              | 9.892  | 154  | 653607m  | 40.94 | ng    |          |
| 53) 3-Nitroaniline            | 9.810  | 138  | 181334   | 38.29 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 102640   | 51.23 | ng    | # 89     |
| 55) Dibenzofuran              | 10.063 | 168  | 886738   | 39.48 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 117966   | 34.94 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 209949   | 38.46 | ng    | 95       |
| 58) Fluorene                  | 10.404 | 166  | 661614   | 37.04 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232  | 191831   | 38.00 | ng    | 99       |
| 60) Diethylphthalate          | 10.275 | 149  | 678629   | 35.96 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 331759   | 37.72 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 181896   | 37.84 | ng    | 96       |
| 63) Azobenzene                | 10.557 | 77   | 639239   | 36.85 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 96861    | 39.22 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 578582   | 40.43 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 222900   | 40.61 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 246083   | 40.56 | ng    | 94       |
| 69) Atrazine                  | 11.039 | 200  | 172249   | 37.06 | ng    | 99       |
| 70) Pentachlorophenol         | 11.151 | 266  | 121431   | 37.77 | ng    | 99       |
| 71) Phenanthrene              | 11.369 | 178  | 961358   | 39.94 | ng    | 98       |
| 72) Anthracene                | 11.421 | 178  | 944754   | 39.58 | ng    | 99       |
| 73) Carbazole                 | 11.574 | 167  | 851123   | 39.32 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1022233  | 37.58 | ng    | 99       |
| 75) Fluoranthene              | 12.557 | 202  | 982830   | 38.93 | ng    | 98       |
| 77) Benzidine                 | 12.674 | 184  | 321587   | 42.10 | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 985751   | 36.10 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 435185   | 35.38 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 930471   | 39.42 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 337357   | 39.91 | ng    | 97       |
| 83) Chrysene                  | 14.010 | 228  | 922424   | 39.27 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 601995   | 35.74 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1050146  | 37.59 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.892 | 276  | 1313425  | 48.09 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 1013689  | 34.73 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 1024388  | 38.38 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 990612   | 38.79 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.903 | 278  | 1043133  | 46.67 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.327 | 276  | 1081719  | 50.00 | ng    | 100      |

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

