

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111220\  
 Data File : BF122316.D  
 Acq On : 12 Nov 2020 15:31  
 Operator : JU/CG  
 Sample : L4702-02MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-5(10-20)MS

Manual Integrations  
 APPROVED

mohammad  
 11/20/2020 11:27:55 AM

Quant Time: Nov 12 16:10:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 10 12:25:42 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 263466   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 1046533  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 554540   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 1027388  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 851562   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 737703   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 2256472  | 131.51 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.492  | 99   | 2934388  | 130.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.433  | 82   | 1846806  | 108.03 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 870950   | 146.33 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 2979454  | 83.95  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 2902354  | 72.20  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.698  | 88   | 338200   | 42.98  | ng    | 91       |
| 3) Pyridine                   | 3.440  | 79   | 968456   | 44.75  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.393  | 42   | 485039   | 47.54  | ng    | 100      |
| 6) Aniline                    | 6.528  | 93   | 746989   | 25.36  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.651  | 128  | 902745   | 50.73  | ng    | 91       |
| 9) Benzaldehyde               | 6.410  | 77   | 174068   | 11.12  | ng    | 99       |
| 10) Phenol                    | 6.504  | 94   | 1090351m | 49.33  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 846016   | 48.15  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 948319   | 46.94  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 958138   | 47.22  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 924373   | 48.81  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 786675   | 49.29  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 1232247  | 48.12  | ng    | 98       |
| 17) 2-Methylphenol            | 7.116  | 107  | 736943   | 49.62  | ng    | 100      |
| 18) Hexachloroethane          | 7.381  | 117  | 350401   | 49.58  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.286  | 70   | 646575   | 48.20  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 904339   | 49.48  | ng    | # 81     |
| 22) Acetophenone              | 7.275  | 105  | 1172621  | 43.02  | ng    | 92       |
| 24) Nitrobenzene              | 7.451  | 77   | 960618   | 49.11  | ng    | 94       |
| 25) Isophorone                | 7.692  | 82   | 1710213  | 44.88  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.763  | 139  | 448082   | 52.09  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 846816   | 47.11  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 1070787  | 45.94  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 774156   | 48.64  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 797252   | 45.39  | ng    | 96       |
| 31) Naphthalene               | 8.175  | 128  | 2489983  | 44.75  | ng    | 98       |
| 32) Benzoic acid              | 7.922  | 122  | 571435   | 55.86  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.216  | 127  | 277505   | 11.45  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 461138   | 45.68  | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 246116m  | 48.79  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 799484   | 48.16  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 1681514  | 45.75  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 1581800  | 45.97  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 761702   | 44.58  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 912377   | 91.32  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 573630   | 51.69  | ng    | 100      |

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| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 575476   | 49.47 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 1984221  | 44.95 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 1577220  | 45.02 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 507803   | 48.59 | ng    | 96       |
| 49) Acenaphthylene            | 9.774  | 152  | 2447998  | 45.46 | ng    | 98       |
| 50) Dimethylphthalate         | 9.633  | 163  | 2433294  | 61.73 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 430111   | 48.95 | ng    | 87       |
| 52) Acenaphthene              | 9.945  | 154  | 1688344  | 50.66 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.851  | 138  | 240167   | 25.81 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 377976   | 92.69 | ng    | 94       |
| 55) Dibenzofuran              | 10.116 | 168  | 2244425  | 45.96 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.016 | 139  | 773192   | 89.26 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 579286   | 51.97 | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 1699774  | 45.46 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232  | 505883   | 52.29 | ng    | 100      |
| 60) Diethylphthalate          | 10.333 | 149  | 1834337  | 47.44 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 819694   | 46.44 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.474 | 138  | 443967   | 45.60 | ng    | 96       |
| 63) Azobenzene                | 10.610 | 77   | 1865134  | 45.98 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 268200   | 56.29 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 1582423  | 45.21 | ng    | 93       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 568694   | 47.10 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 607480   | 46.57 | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 444302   | 50.97 | ng    | 98       |
| 70) Pentachlorophenol         | 11.198 | 266  | 741760   | 98.70 | ng    | 99       |
| 71) Phenanthrene              | 11.421 | 178  | 2580929  | 44.28 | ng    | 98       |
| 72) Anthracene                | 11.468 | 178  | 2661638  | 44.30 | ng    | 98       |
| 73) Carbazole                 | 11.621 | 167  | 2433674  | 44.53 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 2746736  | 47.14 | ng    | 98       |
| 75) Fluoranthene              | 12.610 | 202  | 2756711  | 45.30 | ng    | 96       |
| 77) Benzidine                 | 12.721 | 184  | 787320   | 33.33 | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 2806574  | 46.91 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 1170197  | 48.72 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 2370617  | 44.76 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 365567   | 18.52 | ng    | 99       |
| 83) Chrysene                  | 14.062 | 228  | 2407101  | 45.13 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 1400389  | 48.55 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 2421099  | 49.52 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 2171202  | 49.05 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 2218038  | 46.43 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 2149119  | 46.13 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 1921690  | 46.14 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 1787189  | 48.20 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 1842020  | 51.09 | ng    | 99       |

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

