

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121420\  
 Data File : BF122699.D  
 Acq On : 14 Dec 2020 11:26  
 Operator : JU/CG  
 Sample : PB133578BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133578BSD

Manual Integrations  
 APPROVED

mohammad  
 12/17/2020 9:46:44 AM

Quant Time: Dec 14 16:53:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 162406   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 605942   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.880  | 164  | 323334   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 605034   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 488791   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.462 | 264  | 488979   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 797105   | 77.70 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.475  | 99   | 1027510  | 75.52 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 855210   | 70.71 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 339499   | 80.22 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1617782  | 67.68 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1917461  | 68.67 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.716  | 88   | 197495   | 40.96 | ng    | 98       |
| 3) Pyridine                   | 3.451  | 79   | 481066   | 37.75 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 212715   | 41.62 | ng    | 94       |
| 6) Aniline                    | 6.498  | 93   | 435641   | 27.20 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.622  | 128  | 500381   | 44.25 | ng    | 99       |
| 9) Benzaldehyde               | 6.381  | 77   | 62680    | 7.61  | ng    | 99       |
| 10) Phenol                    | 6.487  | 94   | 598857   | 42.48 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 455857   | 42.33 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 536885   | 40.13 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 548540   | 40.66 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 504850   | 38.77 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.981  | 79   | 395276   | 42.19 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 574266   | 37.39 | ng    | 96       |
| 17) 2-Methylphenol            | 7.092  | 107  | 407695   | 45.36 | ng    | 99       |
| 18) Hexachloroethane          | 7.351  | 117  | 192912   | 40.13 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 318045   | 40.81 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.245  | 107  | 476255   | 41.94 | ng    | 96       |
| 22) Acetophenone              | 7.245  | 105  | 617838   | 41.01 | ng    | # 95     |
| 24) Nitrobenzene              | 7.422  | 77   | 493540   | 41.02 | ng    | 99       |
| 25) Isophorone                | 7.663  | 82   | 902398   | 43.32 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 271842   | 46.33 | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.775  | 122  | 449245   | 52.23 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 570347   | 39.98 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.981  | 162  | 425626   | 42.38 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 453770   | 39.88 | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 1391823  | 41.63 | ng    | 100      |
| 32) Benzoic acid              | 7.916  | 122  | 289045   | 42.18 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 378225   | 27.06 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 267886   | 38.25 | ng    | 99       |
| 35) Caprolactam               | 8.569  | 113  | 142391m  | 47.07 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.680  | 107  | 438022   | 44.27 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 936436   | 42.34 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 881024   | 42.11 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.004  | 216  | 434055   | 40.53 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.992  | 237  | 401418   | 84.77 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 300653   | 40.65 | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 324275   | 42.41 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 1113954  | 41.51 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.327  | 162  | 887823   | 39.93 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.422  | 65   | 264915   | 40.87 | ng    | 94       |
| 49) Acenaphthylene            | 9.739  | 152  | 1395794  | 42.50 | ng    | 100      |
| 50) Dimethylphthalate         | 9.604  | 163  | 1060954  | 41.09 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 243093   | 44.57 | ng    | 96       |
| 52) Acenaphthene              | 9.910  | 154  | 959804m  | 45.18 | ng    |          |
| 53) 3-Nitroaniline            | 9.833  | 138  | 180966   | 28.72 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.945  | 184  | 248035   | 93.02 | ng    | 93       |
| 55) Dibenzofuran              | 10.086 | 168  | 1239700  | 41.48 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 398831   | 88.76 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.069 | 165  | 324733   | 44.70 | ng    | 99       |
| 58) Fluorene                  | 10.427 | 166  | 946718   | 39.83 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 285107   | 42.44 | ng    | 99       |
| 60) Diethylphthalate          | 10.298 | 149  | 1015545  | 40.43 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 462174   | 39.49 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.451 | 138  | 243498   | 38.07 | ng    | 93       |
| 63) Azobenzene                | 10.574 | 77   | 937656   | 40.61 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.480 | 198  | 179916   | 48.77 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 878844   | 41.11 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 321573   | 39.22 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.974 | 284  | 362966   | 40.05 | ng    | 99       |
| 69) Atrazine                  | 11.063 | 200  | 299826   | 43.19 | ng    | 99       |
| 70) Pentachlorophenol         | 11.174 | 266  | 395939   | 82.45 | ng    | 98       |
| 71) Phenanthrene              | 11.392 | 178  | 1459674  | 40.60 | ng    | 99       |
| 72) Anthracene                | 11.439 | 178  | 1482582  | 41.58 | ng    | 100      |
| 73) Carbazole                 | 11.598 | 167  | 1350022  | 41.75 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.921 | 149  | 1528595  | 37.62 | ng    | 100      |
| 75) Fluoranthene              | 12.574 | 202  | 1552096  | 41.16 | ng    | 100      |
| 77) Benzidine                 | 12.698 | 184  | 315183   | 29.81 | ng    | 99       |
| 78) Pyrene                    | 12.810 | 202  | 1585189  | 41.95 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.421 | 149  | 663767   | 38.99 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1418189  | 43.41 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 466519   | 39.87 | ng    | 100      |
| 83) Chrysene                  | 14.033 | 228  | 1415583  | 43.54 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149  | 885631   | 37.99 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 1540262  | 39.83 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 1417548  | 44.16 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 1469500  | 42.83 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 1398859  | 44.59 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.409 | 252  | 1289298  | 42.96 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.945 | 278  | 1164921  | 44.34 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.368 | 276  | 1173718  | 46.17 | ng    | 100      |

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

