

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020921\  
 Data File : BF123163.D  
 Acq On : 9 Feb 2021 14:14  
 Operator : JU/CG  
 Sample : PB134542BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134542BS

Manual Integrations  
 APPROVED

mohammad  
 2/10/2021 12:15:16 PM

Quant Time: Feb 09 14:51:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:29:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 208909   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 823459   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 460415   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 865926   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.092 | 240  | 709336   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 636849   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 1461408  | 107.91 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.528  | 99   | 1920200  | 104.60 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1101785  | 67.34  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 669831   | 134.02 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 2163308  | 69.85  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 2460977  | 68.16  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.799  | 88   | 246877   | 36.64  | ng    | 95       |
| 3) Pyridine                   | 3.540  | 79   | 667336   | 37.03  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.499  | 42   | 299680   | 39.52  | ng    | 92       |
| 6) Aniline                    | 6.557  | 93   | 636492   | 28.17  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.687  | 128  | 641293   | 43.68  | ng    | 97       |
| 9) Benzaldehyde               | 6.445  | 77   | 301300   | 35.90  | ng    | 97       |
| 10) Phenol                    | 6.540  | 94   | 782810   | 43.00  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 614597   | 40.57  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 712233   | 41.60  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 714662   | 40.08  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 684763   | 41.05  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 522941   | 40.63  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 840835   | 35.99  | ng    | 98       |
| 17) 2-Methylphenol            | 7.145  | 107  | 568201   | 45.49  | ng    | 97       |
| 18) Hexachloroethane          | 7.410  | 117  | 265048   | 42.44  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 450034   | 40.77  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 659567   | 44.83  | ng    | 98       |
| 22) Acetophenone              | 7.304  | 105  | 868534   | 40.48  | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 694804   | 41.21  | ng    | 99       |
| 25) Isophorone                | 7.716  | 82   | 1285862  | 42.90  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.792  | 139  | 356950   | 51.20  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 621581   | 49.41  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 807445   | 39.49  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.034  | 162  | 579765   | 44.08  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 618583   | 41.74  | ng    | 99       |
| 31) Naphthalene               | 8.204  | 128  | 1868928  | 41.38  | ng    | 99       |
| 32) Benzoic acid              | 7.963  | 122  | 409652   | 41.21  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 466633   | 23.28  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 370309   | 43.26  | ng    | 99       |
| 35) Caprolactam               | 8.628  | 113  | 187913m  | 42.27  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.734  | 107  | 647731   | 47.36  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 1300705  | 43.38  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 1213847  | 42.75  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 609238   | 42.54  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 709505   | 104.35 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.175  | 196  | 437755   | 44.58  | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.216  | 196  | 479803   | 46.73 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 1589152  | 42.08 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 1259653  | 39.85 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.481  | 65   | 400665   | 41.82 | ng    | 91       |
| 49) Acenaphthylene            | 9.804  | 152  | 1954686  | 42.25 | ng    | 99       |
| 50) Dimethylphthalate         | 9.663  | 163  | 1553877  | 43.02 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 357908   | 46.51 | ng    | 91       |
| 52) Acenaphthene              | 9.975  | 154  | 1216181  | 40.92 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.892  | 138  | 247330   | 27.18 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.004 | 184  | 357203   | 99.67 | ng    | 92       |
| 55) Dibenzofuran              | 10.151 | 168  | 1771654  | 40.96 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.057 | 139  | 549816   | 83.59 | ng    | 84       |
| 57) 2,4-Dinitrotoluene        | 10.128 | 165  | 476277   | 47.59 | ng    | 95       |
| 58) Fluorene                  | 10.492 | 166  | 1368894  | 39.62 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232  | 434484   | 49.89 | ng    | 99       |
| 60) Diethylphthalate          | 10.363 | 149  | 1553890  | 43.75 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.481 | 204  | 679271   | 41.84 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.510 | 138  | 348338   | 38.10 | ng    | 98       |
| 63) Azobenzene                | 10.645 | 77   | 1404233  | 40.40 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198  | 254449   | 52.69 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.604 | 169  | 1266236  | 40.57 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.975 | 248  | 468596   | 42.49 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.045 | 284  | 513287   | 43.39 | ng    | 97       |
| 69) Atrazine                  | 11.133 | 200  | 380548   | 44.15 | ng    | 99       |
| 70) Pentachlorophenol         | 11.239 | 266  | 602531   | 93.99 | ng    | 99       |
| 71) Phenanthrene              | 11.463 | 178  | 2057891  | 38.27 | ng    | 99       |
| 72) Anthracene                | 11.510 | 178  | 2153445  | 41.74 | ng    | 100      |
| 73) Carbazole                 | 11.663 | 167  | 1901853  | 39.72 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.992 | 149  | 2358024  | 41.53 | ng    | 99       |
| 75) Fluoranthene              | 12.657 | 202  | 2203291  | 40.99 | ng    | 98       |
| 77) Benzidine                 | 12.769 | 184  | 724761   | 45.15 | ng    | 99       |
| 78) Pyrene                    | 12.886 | 202  | 2179976  | 40.71 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.504 | 149  | 1012802  | 43.96 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.080 | 228  | 2000183  | 41.66 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.039 | 252  | 586703   | 38.83 | ng    | 100      |
| 83) Chrysene                  | 14.116 | 228  | 1956343  | 40.72 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149  | 1404088  | 45.86 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.680 | 149  | 2373177  | 46.15 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.092 | 276  | 1875915  | 44.23 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 1998433  | 43.47 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.174 | 252  | 1824968  | 42.73 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.515 | 252  | 1707281  | 42.29 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.115 | 278  | 1559655  | 44.68 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.551 | 276  | 1494783  | 44.19 | ng    | 98       |

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

