

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121720\  
 Data File : BF122763.D  
 Acq On : 17 Dec 2020 14:29  
 Operator : JU/CG  
 Sample : PB133586BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133586BS

Manual Integrations  
 APPROVED

mohammad  
 12/18/2020 10:26:42 AM

Quant Time: Dec 17 16:02:57 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     | 6.816  | 152  | 173586   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 689080   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 375854   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 700336   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 595337   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 618923   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1134720  | 103.49 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.457  | 99   | 1431539  | 98.44  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 907476   | 65.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 491158   | 99.83  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1685058  | 60.64  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 1918970  | 56.42  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 167347   | 32.47  | ng    | 96       |
| 3) Pyridine                   | 3.404  | 79   | 490744   | 36.03  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 205231   | 37.57  | ng    | 94       |
| 6) Aniline                    | 6.481  | 93   | 558132   | 32.61  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 507381   | 41.98  | ng    | 98       |
| 9) Benzaldehyde               | 6.369  | 77   | 193836   | 22.02  | ng    | 98       |
| 10) Phenol                    | 6.475  | 94   | 586960   | 38.95  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 463960   | 40.30  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 534650   | 37.39  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.840  | 146  | 538475   | 37.35  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 521560   | 37.47  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 399101   | 39.86  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 566478   | 34.51  | ng    | 97       |
| 17) 2-Methylphenol            | 7.081  | 107  | 404356   | 42.09  | ng    | 99       |
| 18) Hexachloroethane          | 7.334  | 117  | 193198   | 37.60  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.240  | 70   | 316644   | 38.01  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 474400   | 39.09  | ng    | 98       |
| 22) Acetophenone              | 7.234  | 105  | 623593   | 36.40  | ng    | # 95     |
| 24) Nitrobenzene              | 7.404  | 77   | 501467   | 36.65  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 900122   | 38.00  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 271314   | 40.66  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 432457   | 44.22  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 575005   | 35.45  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.969  | 162  | 430601   | 37.70  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 455082   | 35.17  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 1407172  | 37.01  | ng    | 100      |
| 32) Benzoic acid              | 7.904  | 122  | 294677   | 37.81  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 418730   | 26.34  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 265205   | 33.30  | ng    | 99       |
| 35) Caprolactam               | 8.557  | 113  | 136616m  | 39.71  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.669  | 107  | 450773   | 40.07  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 943413   | 37.51  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 876690   | 36.84  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 440783   | 35.41  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 410183   | 74.52  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 302867   | 35.23  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.145  | 196  | 332470   | 37.41 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1128094  | 36.16 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 893095   | 34.56 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 267253   | 35.47 | ng    | 94       |
| 49) Acenaphthylene            | 9.728  | 152  | 1396014  | 36.57 | ng    | 99       |
| 50) Dimethylphthalate         | 9.586  | 163  | 1102439  | 36.73 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 252385   | 39.81 | ng    | 97       |
| 52) Acenaphthene              | 9.898  | 154  | 976602m  | 39.54 | ng    |          |
| 53) 3-Nitroaniline            | 9.816  | 138  | 191828   | 26.19 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.933  | 184  | 262402   | 84.66 | ng    | # 90     |
| 55) Dibenzofuran              | 10.069 | 168  | 1255985  | 36.15 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.992  | 139  | 385212   | 73.75 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 333106   | 39.45 | ng    | 99       |
| 58) Fluorene                  | 10.410 | 166  | 981692   | 35.53 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 291281   | 37.30 | ng    | 99       |
| 60) Diethylphthalate          | 10.286 | 149  | 1056663  | 36.19 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 472329   | 34.72 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 266262   | 35.81 | ng    | 93       |
| 63) Azobenzene                | 10.563 | 77   | 977425   | 36.42 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 191929   | 44.94 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 922886   | 37.29 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 336100   | 35.42 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 369927   | 35.26 | ng    | 97       |
| 69) Atrazine                  | 11.051 | 200  | 270259   | 33.63 | ng    | 100      |
| 70) Pentachlorophenol         | 11.157 | 266  | 411511   | 74.03 | ng    | 99       |
| 71) Phenanthrene              | 11.375 | 178  | 1504108  | 36.14 | ng    | 100      |
| 72) Anthracene                | 11.427 | 178  | 1551086  | 37.58 | ng    | 100      |
| 73) Carbazole                 | 11.580 | 167  | 1426509  | 38.11 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1652525  | 35.14 | ng    | 99       |
| 75) Fluoranthene              | 12.563 | 202  | 1629033  | 37.32 | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 693028   | 53.82 | ng    | 99       |
| 78) Pyrene                    | 12.792 | 202  | 1645618  | 35.75 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 720261   | 34.74 | ng    | 94       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 1489156  | 37.43 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 461072   | 32.36 | ng    | 99       |
| 83) Chrysene                  | 14.021 | 228  | 1469387  | 37.11 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 954112   | 33.61 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 1659055  | 35.23 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 1498180  | 36.88 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1721424  | 39.64 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 1343396  | 33.83 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 1384595  | 36.45 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 1245241  | 37.45 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 1221003  | 37.94 | ng    | 99       |

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

