

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112720\  
 Data File : BF122496.D  
 Acq On : 27 Nov 2020 12:00  
 Operator : JU/CG  
 Sample : PB133227BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133227BS

Manual Integrations  
 APPROVED

mohammad  
 11/30/2020 12:00:21 PM

Quant Time: Nov 27 12:24:23 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 24 14:38:56 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 226774   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 862599   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.904  | 164  | 464380   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 884114   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 802975   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 819267   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 1107979  | 75.02  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.498  | 99   | 1400775  | 72.50  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 1466082  | 104.05 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 437387   | 87.76  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 2618196  | 88.09  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 3307332  | 87.26  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 241223   | 35.62  | ng    | 89       |
| 3) Pyridine                   | 3.469  | 79   | 622227   | 33.40  | ng    | 89       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 295557   | 33.66  | ng    | 91       |
| 6) Aniline                    | 6.522  | 93   | 700704   | 27.64  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.645  | 128  | 659323   | 43.05  | ng    | 90       |
| 9) Benzaldehyde               | 6.404  | 77   | 91928    | 6.01   | ng    | 96       |
| 10) Phenol                    | 6.510  | 94   | 802378   | 42.17  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.592  | 93   | 606785   | 40.12  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 699273   | 40.22  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 707898   | 40.53  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 650269   | 39.89  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 542419   | 39.49  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 783663   | 35.55  | ng    | 93       |
| 17) 2-Methylphenol            | 7.116  | 107  | 535226   | 41.87  | ng    | 98       |
| 18) Hexachloroethane          | 7.375  | 117  | 248922   | 40.92  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 429083   | 37.16  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 614137   | 39.04  | ng    | 95       |
| 22) Acetophenone              | 7.269  | 105  | 829099   | 36.90  | ng    | 95       |
| 24) Nitrobenzene              | 7.445  | 77   | 674950   | 41.87  | ng    | 93       |
| 25) Isophorone                | 7.686  | 82   | 1183738  | 37.68  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 338041   | 48.26  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 560444   | 37.83  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 735888   | 38.30  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 559213   | 42.63  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.086  | 180  | 591836   | 40.88  | ng    | 96       |
| 31) Naphthalene               | 8.169  | 128  | 1815675  | 39.59  | ng    | 99       |
| 32) Benzoic acid              | 7.928  | 122  | 356431   | 44.21  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 497541   | 24.91  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 342330   | 41.14  | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 176429m  | 42.43  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 579633   | 42.37  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 1219691  | 40.26  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 1139257  | 40.17  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 562146   | 39.28  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 643361   | 76.89  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 415813   | 44.74  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 415471   | 42.65 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 1452455  | 39.29 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 1161748  | 39.60 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 360977   | 42.02 | ng    | 86       |
| 49) Acenaphthylene            | 9.763  | 152  | 1806314  | 40.06 | ng    | 99       |
| 50) Dimethylphthalate         | 9.627  | 163  | 1376790  | 41.71 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 321969   | 44.16 | ng    | # 83     |
| 52) Acenaphthene              | 9.939  | 154  | 1251463m | 44.84 | ng    |          |
| 53) 3-Nitroaniline            | 9.851  | 138  | 251700   | 31.41 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 297361   | 89.38 | ng    | 93       |
| 55) Dibenzofuran              | 10.110 | 168  | 1636559  | 40.02 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.027 | 139  | 552412   | 76.95 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 440876   | 47.67 | ng    | # 83     |
| 58) Fluorene                  | 10.451 | 166  | 1263863  | 40.36 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232  | 362733   | 44.77 | ng    | 99       |
| 60) Diethylphthalate          | 10.327 | 149  | 1349501  | 41.68 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 601117   | 40.67 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.474 | 138  | 343539   | 42.39 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 1271686  | 37.43 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 214929   | 53.71 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 1169116  | 38.81 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 419988   | 40.42 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 461892   | 41.15 | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 334462   | 44.58 | ng    | 97       |
| 70) Pentachlorophenol         | 11.198 | 266  | 541234   | 83.69 | ng    | 98       |
| 71) Phenanthrene              | 11.416 | 178  | 1982224  | 39.52 | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 2055531  | 39.76 | ng    | 100      |
| 73) Carbazole                 | 11.621 | 167  | 1882149  | 40.02 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 2055796  | 41.00 | ng    | 100      |
| 75) Fluoranthene              | 12.604 | 202  | 2139355  | 40.85 | ng    | 98       |
| 77) Benzidine                 | 12.721 | 184  | 853083   | 38.30 | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 2199490  | 38.99 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 929507   | 41.56 | ng    | 93       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 2020739  | 40.46 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 598236   | 32.15 | ng    | 99       |
| 83) Chrysene                  | 14.062 | 228  | 2003151  | 39.83 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 1180838  | 43.41 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 2157599  | 46.80 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 2093726  | 42.59 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 2305356  | 43.45 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 1921731  | 37.14 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 1923837  | 41.59 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 1706622  | 41.45 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 1715479  | 42.84 | ng    | 98       |

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

