

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121020\  
 Data File : BF122640.D  
 Acq On : 10 Dec 2020 10:46  
 Operator : JU/CG  
 Sample : PB133474BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133474BS

Manual Integrations  
 APPROVED

mohammad  
 12/11/2020 1:21:09 PM

Quant Time: Dec 10 11:59:29 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     | 6.840  | 152  | 200103   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 809918   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 440690   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 803949   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 636562   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 569822   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1262627  | 99.90 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.481  | 99   | 1621875  | 96.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 1020006  | 63.10 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 544979   | 94.48 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1875039  | 57.55 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 2055948  | 56.54 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.704  | 88   | 182953   | 30.80 | ng    | 98       |
| 3) Pyridine                   | 3.440  | 79   | 524689   | 33.41 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.399  | 42   | 233335   | 37.05 | ng    | 98       |
| 6) Aniline                    | 6.504  | 93   | 567861   | 28.78 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.628  | 128  | 559917   | 40.19 | ng    | 97       |
| 9) Benzaldehyde               | 6.387  | 77   | 249094   | 24.55 | ng    | 98       |
| 10) Phenol                    | 6.492  | 94   | 654426   | 37.68 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 524633   | 39.53 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 592771   | 35.96 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 596867   | 35.91 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 576270   | 35.92 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.987  | 79   | 457703   | 39.65 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 665299   | 35.16 | ng    | 98       |
| 17) 2-Methylphenol            | 7.098  | 107  | 456051   | 41.18 | ng    | 99       |
| 18) Hexachloroethane          | 7.351  | 117  | 213123   | 35.98 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 366971   | 38.22 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 533721   | 38.15 | ng    | 96       |
| 22) Acetophenone              | 7.251  | 105  | 700161   | 34.77 | ng    | # 95     |
| 24) Nitrobenzene              | 7.428  | 77   | 564410   | 35.10 | ng    | 98       |
| 25) Isophorone                | 7.669  | 82   | 1030748  | 37.02 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 298491   | 38.06 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 488003   | 42.45 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 658307   | 34.53 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.987  | 162  | 485744   | 36.18 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.069  | 180  | 509236   | 33.48 | ng    | 99       |
| 31) Naphthalene               | 8.151  | 128  | 1559365  | 34.89 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 318078   | 34.73 | ng    | 95       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 310780   | 16.63 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 301411   | 32.20 | ng    | 98       |
| 35) Caprolactam               | 8.575  | 113  | 154136m  | 38.12 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.686  | 107  | 501375   | 37.91 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.839  | 142  | 1058824  | 35.81 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 981800   | 35.11 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.010  | 216  | 490066   | 33.57 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.992  | 237  | 537332   | 83.26 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 351630   | 34.88 | ng    | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 372566   | 35.75 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 1248731  | 34.14 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 1001820  | 33.06 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 297814   | 33.71 | ng    | 98       |
| 49) Acenaphthylene            | 9.745  | 152  | 1564439  | 34.95 | ng    | 99       |
| 50) Dimethylphthalate         | 9.610  | 163  | 1224943  | 34.80 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 276649   | 37.22 | ng    | 97       |
| 52) Acenaphthene              | 9.916  | 154  | 1095433m | 37.83 | ng    |          |
| 53) 3-Nitroaniline            | 9.833  | 138  | 167090   | 19.45 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.951  | 184  | 291658   | 80.25 | ng    | # 91     |
| 55) Dibenzofuran              | 10.092 | 168  | 1419464  | 34.85 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.010 | 139  | 427683   | 69.83 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 369553   | 37.32 | ng    | 97       |
| 58) Fluorene                  | 10.433 | 166  | 1088395  | 33.59 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 323900   | 35.38 | ng    | 99       |
| 60) Diethylphthalate          | 10.304 | 149  | 1180771  | 34.49 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 535133   | 33.55 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.457 | 138  | 275984   | 31.66 | ng    | 91       |
| 63) Azobenzene                | 10.580 | 77   | 1097760  | 34.89 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 200177   | 40.83 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.545 | 169  | 1010344  | 35.57 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248  | 375578   | 34.48 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.980 | 284  | 410733   | 34.10 | ng    | 98       |
| 69) Atrazine                  | 11.069 | 200  | 297550   | 32.25 | ng    | 99       |
| 70) Pentachlorophenol         | 11.175 | 266  | 463853   | 72.70 | ng    | 99       |
| 71) Phenanthrene              | 11.392 | 178  | 1656287  | 34.67 | ng    | 99       |
| 72) Anthracene                | 11.445 | 178  | 1705102  | 35.99 | ng    | 100      |
| 73) Carbazole                 | 11.598 | 167  | 1534596  | 35.72 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1808212  | 33.49 | ng    | 99       |
| 75) Fluoranthene              | 12.580 | 202  | 1729555  | 34.52 | ng    | 99       |
| 77) Benzidine                 | 12.698 | 184  | 579394   | 42.08 | ng    | 99       |
| 78) Pyrene                    | 12.810 | 202  | 1762850  | 35.82 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 758850   | 34.23 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1528342  | 35.93 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 379577   | 24.91 | ng    | # 96     |
| 83) Chrysene                  | 14.039 | 228  | 1500181  | 35.43 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149  | 1024224  | 33.74 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 1698450  | 33.73 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 1299231  | 34.74 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 1547386  | 38.70 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 1318488  | 36.07 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 1238877  | 35.42 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.945 | 278  | 1085186  | 35.45 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.368 | 276  | 1087930  | 36.72 | ng    | 99       |

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

