

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020323\  
 Data File : BF132319.D  
 Acq On : 03 Feb 2023 13:26  
 Operator : CG\JU  
 Sample : PB150501BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150501BS

Quant Time: Feb 04 01:36:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 04 01:32:42 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/06/2023  
 Supervised By : Jagrut Upadhyay 02/06/2023

02/06/2023  
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 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.060  | 152  | 211484   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.348  | 136  | 815264   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.113 | 164  | 415642   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.613 | 188  | 733323   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.271 | 240  | 377454   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.854 | 264  | 337823   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.695  | 112  | 1480907  | 112.557 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.684  | 99   | 1810969  | 111.646 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.625  | 82   | 1104458  | 75.387  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.913 | 330  | 574019   | 134.295 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.425  | 172  | 1955035  | 72.636  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.207 | 244  | 2043782  | 104.741 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.078  | 88   | 195349   | 31.555  | ng    | 96       |
| 3) Pyridine                   | 3.807  | 79   | 507388   | 30.211  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.772  | 42   | 186898   | 34.778  | ng    | 97       |
| 6) Aniline                    | 6.719  | 93   | 740031m  | 33.621  | ng    |          |
| 8) 2-Chlorophenol             | 6.842  | 128  | 601266   | 44.124  | ng    | 96       |
| 9) Benzaldehyde               | 6.613  | 77   | 236470   | 22.678  | ng    | 95       |
| 10) Phenol                    | 6.695  | 94   | 648964   | 38.654  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.789  | 93   | 562212   | 40.689  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.001  | 146  | 617947   | 42.876  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.078  | 146  | 617521   | 42.924  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.231  | 146  | 601265   | 44.815  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.195  | 79   | 458772   | 38.762  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.331  | 45   | 528346   | 36.293  | ng    | 94       |
| 17) 2-Methylphenol            | 7.301  | 107  | 464824   | 38.968  | ng    | 99       |
| 18) Hexachloroethane          | 7.578  | 117  | 233980   | 43.354  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.472  | 70   | 320330   | 34.767  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.454  | 107  | 576184   | 37.846  | ng    | 96       |
| 22) Acetophenone              | 7.472  | 105  | 739201   | 38.555  | ng    | 98       |
| 24) Nitrobenzene              | 7.648  | 77   | 545030   | 36.415  | ng    | 92       |
| 25) Isophorone                | 7.883  | 82   | 1051739  | 37.823  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.960  | 139  | 324221   | 44.472  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.989  | 122  | 526862   | 41.288  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 8.089  | 93   | 656614   | 38.425  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.201  | 162  | 480532   | 42.415  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.283  | 180  | 522636   | 43.079  | ng    | 98       |
| 31) Naphthalene               | 8.372  | 128  | 1568689  | 39.090  | ng    | 99       |
| 32) Benzoic acid              | 8.101  | 122  | 400344   | 42.384  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.413  | 127  | 365527   | 20.541  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.483  | 225  | 302040   | 44.285  | ng    | 99       |
| 35) Caprolactam               | 8.795  | 113  | 160348m  | 41.516  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.889  | 107  | 494138   | 40.485  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 9.066  | 142  | 1039601  | 38.246  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.166  | 142  | 975454   | 38.615  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.230  | 216  | 478250   | 40.888  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.213  | 237  | 592435   | 86.814  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.336  | 196  | 353836   | 42.319  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.377  | 196  | 380363   | 39.524 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.530  | 154  | 1253049  | 39.104 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.560  | 162  | 974546   | 39.931 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.648  | 65   | 253511   | 34.926 | ng    | 85       |
| 49) Acenaphthylene            | 9.977  | 152  | 1521860  | 38.207 | ng    | 99       |
| 50) Dimethylphthalate         | 9.825  | 163  | 1164401  | 40.049 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.889  | 165  | 270318   | 41.630 | ng    | 90       |
| 52) Acenaphthene              | 10.148 | 154  | 1073875  | 43.063 | ng    | 99       |
| 53) 3-Nitroaniline            | 10.060 | 138  | 227370   | 28.874 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 10.166 | 184  | 306891   | 81.450 | ng    | 94       |
| 55) Dibenzofuran              | 10.325 | 168  | 1343264  | 38.337 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.213 | 139  | 453003   | 76.448 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.295 | 165  | 353988   | 41.967 | ng    | 95       |
| 58) Fluorene                  | 10.666 | 166  | 1034461  | 38.363 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.436 | 232  | 297492   | 42.403 | ng    | 98       |
| 60) Diethylphthalate          | 10.530 | 149  | 1158836  | 40.066 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.654 | 204  | 511398   | 39.962 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.683 | 138  | 271226   | 35.918 | ng    | 98       |
| 63) Azobenzene                | 10.813 | 77   | 980196   | 34.792 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.707 | 198  | 191855   | 46.096 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.772 | 169  | 918723   | 40.009 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.148 | 248  | 326467   | 43.476 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.219 | 284  | 368974   | 45.972 | ng    | # 90     |
| 69) Atrazine                  | 11.295 | 200  | 310450   | 47.003 | ng    | 97       |
| 70) Pentachlorophenol         | 11.407 | 266  | 413179   | 74.924 | ng    | 99       |
| 71) Phenanthrene              | 11.636 | 178  | 1511569  | 39.446 | ng    | 99       |
| 72) Anthracene                | 11.689 | 178  | 1512863  | 38.793 | ng    | 99       |
| 73) Carbazole                 | 11.842 | 167  | 1346130  | 38.496 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.160 | 149  | 1714741  | 41.479 | ng    | 100      |
| 75) Fluoranthene              | 12.836 | 202  | 1457183  | 37.263 | ng    | 98       |
| 77) Benzidine                 | 12.948 | 184  | 522727   | 39.612 | ng    | 98       |
| 78) Pyrene                    | 13.066 | 202  | 1457120  | 47.996 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.677 | 149  | 642480   | 47.900 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.265 | 228  | 1090118  | 41.293 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.218 | 252  | 251410   | 29.900 | ng    | 99       |
| 83) Chrysene                  | 14.301 | 228  | 998578   | 40.395 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.230 | 149  | 838994   | 46.277 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.865 | 149  | 1200476  | 40.596 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.501 | 276  | 1057591  | 47.115 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.377 | 252  | 961573   | 44.779 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.412 | 252  | 907733   | 44.286 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.789 | 252  | 814478   | 40.732 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.518 | 278  | 877619   | 48.629 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 18.006 | 276  | 869653   | 46.644 | ng    | 97       |

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

