

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF040722\  
 Data File : BF127676.D  
 Acq On : 07 Apr 2022 11:24  
 Operator : CG\JU  
 Sample : PB143932BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143932BS

Quant Time: Apr 07 16:50:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 06 13:55:27 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/08/2022  
 Supervised By : Jagrut Upadhyay 04/08/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 122523   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.251  | 136  | 452909   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.016 | 164  | 263767   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.504 | 188  | 491520   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.157 | 240  | 399159   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.680 | 264  | 323237   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.593  | 112  | 947487   | 125.656 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.587  | 99   | 1215161  | 123.187 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.534  | 82   | 863793   | 85.026  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.810 | 330  | 395709   | 140.979 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.328  | 172  | 1479233  | 79.336  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.098 | 244  | 1866245  | 77.173  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.928  | 88   | 137716   | 38.506  | ng    | 85       |
| 3) Pyridine                   | 3.669  | 79   | 366058   | 38.860  | ng    | 85       |
| 4) n-Nitrosodimethylamine     | 3.640  | 42   | 225462   | 44.505  | ng    | 99       |
| 6) Aniline                    | 6.628  | 93   | 536050   | 45.563  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.751  | 128  | 377021   | 49.291  | ng    | 92       |
| 9) Benzaldehyde               | 6.522  | 77   | 281585   | 60.709  | ng    | 94       |
| 10) Phenol                    | 6.598  | 94   | 460465   | 46.683  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.698  | 93   | 383499   | 47.080  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.904  | 146  | 405086   | 46.349  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.987  | 146  | 402522   | 45.560  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.134  | 146  | 392767   | 46.509  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.104  | 79   | 378867   | 43.933  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234  | 45   | 559687   | 43.529  | ng    | 98       |
| 17) 2-Methylphenol            | 7.210  | 107  | 315717   | 47.452  | ng    | 99       |
| 18) Hexachloroethane          | 7.481  | 117  | 154404   | 45.800  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 286767   | 44.947  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.363  | 107  | 392088   | 46.244  | ng    | # 68     |
| 22) Acetophenone              | 7.375  | 105  | 533422   | 43.829  | ng    | # 85     |
| 24) Nitrobenzene              | 7.551  | 77   | 452951   | 45.994  | ng    | 98       |
| 25) Isophorone                | 7.787  | 82   | 827883   | 46.702  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.863  | 139  | 177863   | 50.256  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.893  | 122  | 355390   | 51.289  | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 7.998  | 93   | 467501   | 42.770  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.104  | 162  | 334827   | 44.856  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.193  | 180  | 377976   | 43.998  | ng    | 99       |
| 31) Naphthalene               | 8.275  | 128  | 1055394  | 44.470  | ng    | 99       |
| 32) Benzoic acid              | 8.016  | 122  | 230075   | 45.766  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.316  | 127  | 178419   | 19.089  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.387  | 225  | 256286   | 43.369  | ng    | 99       |
| 35) Caprolactam               | 8.698  | 113  | 102475m  | 46.450  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.798  | 107  | 359812   | 45.978  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.969  | 142  | 706921   | 44.536  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.069  | 142  | 682730   | 44.562  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.134  | 216  | 372232   | 43.026  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.116  | 237  | 518236   | 99.444  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.239  | 196  | 255004   | 43.416  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.281  | 196  | 265834   | 44.853 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.434  | 154  | 876699   | 43.460 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.457  | 162  | 697704   | 43.523 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.551  | 65   | 240031   | 48.210 | ng    | 95       |
| 49) Acenaphthylene            | 9.881  | 152  | 1127563  | 46.243 | ng    | 100      |
| 50) Dimethylphthalate         | 9.734  | 163  | 838522   | 43.858 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.798  | 165  | 179200   | 49.724 | ng    | # 85     |
| 52) Acenaphthene              | 10.051 | 154  | 739968   | 48.168 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.963  | 138  | 116478   | 30.594 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.069 | 184  | 174671   | 96.608 | ng    | 90       |
| 55) Dibenzofuran              | 10.222 | 168  | 964240   | 43.013 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.122 | 139  | 293381   | 98.106 | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 10.198 | 165  | 240770   | 53.887 | ng    | 94       |
| 58) Fluorene                  | 10.569 | 166  | 729178   | 44.023 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.334 | 232  | 233843   | 45.280 | ng    | 99       |
| 60) Diethylphthalate          | 10.434 | 149  | 790231   | 43.192 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.557 | 204  | 393540   | 43.242 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.586 | 138  | 179237   | 49.986 | ng    | 89       |
| 63) Azobenzene                | 10.716 | 77   | 852894   | 41.718 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 112536   | 47.403 | ng    | # 80     |
| 66) n-Nitrosodiphenylamine    | 10.675 | 169  | 656991   | 42.441 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.051 | 248  | 262150   | 43.946 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.110 | 284  | 303557   | 46.551 | ng    | 96       |
| 69) Atrazine                  | 11.204 | 200  | 252316   | 49.057 | ng    | 99       |
| 70) Pentachlorophenol         | 11.304 | 266  | 351003   | 90.124 | ng    | 97       |
| 71) Phenanthrene              | 11.533 | 178  | 1129789  | 43.383 | ng    | 100      |
| 72) Anthracene                | 11.586 | 178  | 1163249  | 45.156 | ng    | 99       |
| 73) Carbazole                 | 11.739 | 167  | 1043816  | 43.243 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.063 | 149  | 1208161  | 41.870 | ng    | 99       |
| 75) Fluoranthene              | 12.727 | 202  | 1330812  | 46.830 | ng    | 99       |
| 77) Benzidine                 | 12.845 | 184  | 718339   | 68.950 | ng    | 99       |
| 78) Pyrene                    | 12.957 | 202  | 1351594  | 40.099 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.575 | 149  | 495780   | 39.504 | ng    | 89       |
| 81) Benzo(a)anthracene        | 14.145 | 228  | 1214280  | 45.548 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.110 | 252  | 279191   | 33.592 | ng    | 98       |
| 83) Chrysene                  | 14.186 | 228  | 1104554  | 43.163 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.127 | 149  | 656153   | 37.092 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.751 | 149  | 1040352  | 40.222 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.251 | 276  | 792739   | 39.253 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.233 | 252  | 1037042  | 49.872 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.263 | 252  | 970698   | 47.068 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.621 | 252  | 919057   | 54.379 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.274 | 278  | 684838   | 41.853 | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.733 | 276  | 678419   | 40.442 | ng    | 99       |

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

