

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010324\  
 Data File : BF136930.D  
 Acq On : 04 Jan 2024 03:09  
 Operator : CG\JU  
 Sample : 06041-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-12282023MSD

Quant Time: Jan 04 03:47:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 49707    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 162127   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 69804    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 134660   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 103223   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 82690    | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 380630   | 119.478 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.446  | 99   | 437561   | 105.999 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 266884   | 84.235  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 105995   | 128.932 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 449641   | 86.637  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 503388   | 68.150  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.593  | 88   | 64904    | 48.896  | ng    | 96       |
| 3) Pyridine                   | 3.369  | 79   | 139439   | 43.055  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.328  | 42   | 85956    | 49.700  | ng    | 96       |
| 6) Aniline                    | 6.457  | 93   | 85208    | 20.646  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.581  | 128  | 164005   | 47.043  | ng    | 97       |
| 9) Benzaldehyde               | 6.340  | 77   | 32392    | 13.796  | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 192622   | 43.712  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 166812   | 49.777  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 177540   | 46.682  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 183406   | 47.197  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 169091   | 46.762  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.940  | 79   | 133301   | 47.866  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 255287   | 46.594  | ng    | # 44     |
| 17) 2-Methylphenol            | 7.057  | 107  | 121781   | 42.166  | ng    | # 90     |
| 18) Hexachloroethane          | 7.293  | 117  | 56540    | 40.063  | ng    | # 90     |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 116977   | 46.747  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 159435   | 44.187  | ng    | # 51     |
| 22) Acetophenone              | 7.198  | 105  | 235732   | 58.009  | ng    | # 83     |
| 24) Nitrobenzene              | 7.369  | 77   | 159438   | 50.235  | ng    | 97       |
| 25) Isophorone                | 7.610  | 82   | 291483   | 50.560  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 54226    | 35.710  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 117297   | 63.449  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 183909   | 52.481  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 111996   | 47.056  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 134279   | 50.637  | ng    | 98       |
| 31) Naphthalene               | 8.087  | 128  | 454955   | 51.079  | ng    | 99       |
| 32) Benzoic acid              | 7.863  | 122  | 73906    | 41.317  | ng    | 90       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 32889    | 10.001  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 83225    | 51.656  | ng    | 98       |
| 35) Caprolactam               | 8.522  | 113  | 35991    | 45.839  | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 113410   | 42.327  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 261116   | 45.553  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 245264   | 43.612  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 125871   | 58.225  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 13761    | 23.640  | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 72767    | 52.486  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 77654    | 50.263 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 326201   | 55.688 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 232398   | 52.188 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 73296    | 52.562 | ng    | 87       |
| 49) Acenaphthylene            | 9.681  | 152  | 374093   | 54.962 | ng    | 99       |
| 50) Dimethylphthalate         | 9.545  | 163  | 267020   | 52.371 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 49555    | 42.825 | ng    | 91       |
| 52) Acenaphthene              | 9.857  | 154  | 223944   | 53.078 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 56910    | 46.428 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 1272     | 5.626  | ng #  | 75       |
| 55) Dibenzofuran              | 10.028 | 168  | 334085   | 52.236 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 76271    | 92.173 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 58998    | 39.274 | ng    | 97       |
| 58) Fluorene                  | 10.375 | 166  | 274985   | 54.187 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 65398    | 54.990 | ng #  | 96       |
| 60) Diethylphthalate          | 10.245 | 149  | 267202   | 50.509 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 120548   | 48.871 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.404 | 138  | 61259    | 51.841 | ng    | 95       |
| 63) Azobenzene                | 10.528 | 77   | 234290   | 47.417 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 1718     | 2.226  | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 223925   | 51.190 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 74076    | 49.533 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 83215    | 49.931 | ng    | 99       |
| 69) Atrazine                  | 11.022 | 200  | 70849    | 63.324 | ng    | 98       |
| 70) Pentachlorophenol         | 11.128 | 266  | 76612    | 98.622 | ng    | 97       |
| 71) Phenanthrene              | 11.339 | 178  | 517164   | 74.848 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 431103   | 61.608 | ng    | 98       |
| 73) Carbazole                 | 11.557 | 167  | 381246   | 57.788 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 455346   | 56.562 | ng    | 99       |
| 75) Fluoranthene              | 12.539 | 202  | 593457   | 80.297 | ng    | 97       |
| 77) Benzidine                 | 12.669 | 184  | 94160    | 30.937 | ng    | 97       |
| 78) Pyrene                    | 12.769 | 202  | 584880   | 57.720 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 205271   | 55.672 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.969 | 228  | 438730   | 61.209 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 77501    | 38.073 | ng #  | 97       |
| 83) Chrysene                  | 14.004 | 228  | 402288   | 57.394 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 298200   | 64.280 | ng    | 95       |
| 85) Di-n-octyl phthalate      | 14.569 | 149  | 493030   | 68.705 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 289176   | 48.436 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 337338   | 61.079 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 288831   | 55.346 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 271868   | 58.316 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 235185   | 48.016 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 231431   | 46.133 | ng    | 97       |

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

