

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051625\  
 Data File : BN037033.D  
 Acq On : 16 May 2025 14:51  
 Operator : RC/JU  
 Sample : SSTD04026  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040220

Quant Time: May 16 15:50:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN051625.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 16 15:12:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.611  | 152  | 77379    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.393 | 136  | 336694   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 219184   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.016 | 188  | 430868   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.245 | 240  | 435686   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 412478   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.093  | 96   | 31124    | 16.414 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.505  | 84   | 237334   | 40.294 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.787  | 99   | 276825   | 40.427 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.952  | 67   | 204436   | 41.027 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.146  | 132  | 206811   | 41.921 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.328  | 113  | 226614   | 40.653 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.769  | 128  | 110063   | 42.407 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.487  | 143  | 119594   | 43.481 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.022 | 165  | 212287   | 42.182 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.534 | 131  | 310306   | 41.195 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.681 | 166  | 654034   | 40.824 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 739498   | 41.479 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.475 | 143  | 129166   | 41.922 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.263 | 176  | 538255   | 40.220 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.387 | 200  | 113200   | 39.731 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.110 | 188  | 864788   | 41.916 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.410 | 212  | 959064   | 37.841 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.933 | 264  | 885704   | 42.942 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.128  | 88   | 33736    | 15.540 | ng/uL  | 93       |
| 5) Pyridine                   | 3.522  | 79   | 247303   | 40.447 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.758  | 77   | 158503   | 45.605 | ng/u1  | 99       |
| 8) Phenol                     | 6.816  | 94   | 293514   | 40.244 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.046  | 93   | 233765   | 40.727 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.181  | 128  | 215378   | 41.136 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.058  | 108  | 211687   | 40.209 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.134  | 45   | 475984   | 41.803 | ng/u1  | 100      |
| 16) Acetophenone              | 8.434  | 105  | 370199   | 40.064 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.428  | 70   | 218142   | 40.918 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.387  | 108  | 239307   | 40.427 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.681  | 117  | 101930   | 40.030 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.810  | 77   | 333093   | 41.517 | ng/u1  | 97       |
| 23) Isophorone                | 9.334  | 82   | 571562   | 41.346 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.516  | 139  | 126920   | 42.191 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.581  | 107  | 269522   | 40.520 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.822  | 93   | 326862   | 41.043 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.046 | 162  | 211531   | 41.084 | ng/u1  | 94       |
| 30) Naphthalene               | 10.446 | 128  | 728665   | 40.943 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.563 | 127  | 293731   | 40.849 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 10.734 | 225  | 134438   | 38.770 | ng/u1  | 97       |
| 34) Caprolactam               | 11.334 | 113  | 72094m   | 41.409 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.693 | 107  | 262950   | 41.832 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.069 | 142  | 507430   | 40.674 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.287 | 142  | 493928   | 39.707 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.446 | 216  | 256875   | 41.120 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 143433   | 38.023 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.687 | 196  | 170019   | 42.715 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.757 | 196  | 183096   | 42.372 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 13.093 | 154  | 641593   | 40.017 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.134 | 162  | 496939   | 40.630 | ng/ul | 97       |
| 45) 2-Nitroaniline            | 13.340 | 65   | 226155   | 43.863 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.734 | 163  | 637738   | 39.662 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.845 | 165  | 130606   | 42.007 | ng/ul | 99       |
| 50) Acenaphthylene            | 13.987 | 152  | 763054   | 40.440 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.175 | 138  | 136364   | 43.342 | ng/ul | 98       |
| 52) Acenaphthene              | 14.328 | 153  | 566170   | 40.804 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.387 | 184  | 81837    | 39.874 | ng/ul | 91       |
| 55) 4-Nitrophenol             | 14.492 | 109  | 141916   | 41.522 | ng/ul | 99       |
| 56) Dibenzofuran              | 14.669 | 168  | 760631   | 39.422 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.640 | 165  | 199684   | 42.512 | ng/ul | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 151201   | 40.774 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.104 | 149  | 699487   | 40.986 | ng/ul | 98       |
| 61) Fluorene                  | 15.322 | 166  | 628259   | 39.974 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.316 | 204  | 295618   | 38.827 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.345 | 138  | 133667   | 43.842 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.404 | 198  | 123107   | 40.267 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.534 | 169  | 538013   | 40.980 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.210 | 248  | 168044   | 40.091 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.322 | 284  | 182016   | 40.678 | ng/ul | 98       |
| 70) Atrazine                  | 16.492 | 200  | 197330   | 40.295 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.669 | 266  | 131188   | 40.532 | ng/ul | 92       |
| 72) Phenanthrene              | 17.057 | 178  | 982136   | 40.655 | ng/ul | 99       |
| 74) Anthracene                | 17.145 | 178  | 995546   | 40.579 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.057 | 216  | 257476   | 41.977 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.587 | 250  | 226111   | 40.145 | ng/uL | 95       |
| 77) Carbazole                 | 17.422 | 167  | 925459   | 41.330 | ng/ul | 97       |
| 78) Di-n-butylphthalate       | 17.992 | 149  | 1229394  | 43.290 | ng/ul | 99       |
| 80) Fluoranthene              | 19.080 | 202  | 1140418  | 37.703 | ng/ul | 99       |
| 82) Pyrene                    | 19.445 | 202  | 1205067  | 37.260 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.357 | 149  | 563633   | 43.556 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.157 | 252  | 340949   | 43.752 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.227 | 228  | 1196546  | 40.951 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.169 | 149  | 845658   | 45.153 | ng/ul | 99       |
| 87) Chrysene                  | 21.292 | 228  | 1115824  | 40.505 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 1409009  | 43.310 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.221 | 252  | 1076765  | 41.937 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.280 | 252  | 1070053  | 41.051 | ng/ul | 97       |
| 93) Benzo(a)pyrene            | 23.998 | 252  | 991484   | 42.506 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.362 | 276  | 1056043  | 40.161 | ng/ul | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.415 | 278  | 861419   | 40.345 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 28.374 | 276  | 804013   | 40.043 | ng/ul | 98       |

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

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