

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040224\  
 Data File : BN030600.D  
 Acq On : 01 Apr 2024 22:56  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020334

Quant Time: Apr 02 00:40:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 31 12:24:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 261053   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.481 | 136  | 1136598  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.340 | 164  | 750096   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.087 | 188  | 1585778  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.322 | 240  | 1490968  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.263 | 264  | 1506047  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 47106    | 8.460  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 334775   | 20.053 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.864  | 99   | 425320   | 20.140 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 259336   | 19.882 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.228  | 132  | 349346   | 21.807 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 349684   | 19.757 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.852  | 128  | 174124   | 22.084 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 174801   | 24.235 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 347184   | 21.987 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.616 | 131  | 520926   | 20.039 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.751 | 166  | 1049058  | 20.947 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.028 | 160  | 1244170  | 21.607 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.540 | 143  | 204748   | 21.374 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.334 | 176  | 924470   | 21.095 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 140395   | 20.058 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.187 | 188  | 1435570  | 21.011 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.481 | 212  | 1703047  | 21.245 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.069 | 264  | 1509986  | 21.759 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 48711    | 8.167  | ng/uL  | 96       |
| 5) Pyridine                   | 3.623  | 79   | 341189   | 20.254 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.846  | 77   | 240726   | 24.478 | ng/u1  | 96       |
| 8) Phenol                     | 6.887  | 94   | 437586   | 19.891 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.128  | 93   | 361024   | 20.124 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.258  | 128  | 361559   | 21.039 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.134  | 108  | 336062   | 19.824 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 479617   | 18.986 | ng/u1  | 99       |
| 16) Acetophenone              | 8.516  | 105  | 551226   | 19.726 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.505  | 70   | 276735   | 19.662 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.463  | 108  | 365396   | 19.254 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.769  | 117  | 150593   | 20.901 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.893  | 77   | 403874   | 20.984 | ng/u1  | 99       |
| 23) Isophorone                | 9.416  | 82   | 795049   | 20.713 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.599  | 139  | 196595   | 23.192 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.658  | 107  | 394884   | 20.959 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.905  | 93   | 496643   | 20.350 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 342175   | 21.230 | ng/u1  | 98       |
| 30) Naphthalene               | 10.528 | 128  | 1226109  | 21.033 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.640 | 127  | 508442   | 20.294 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 215775   | 21.269 | ng/u1  | 97       |
| 34) Caprolactam               | 11.416 | 113  | 117302   | 19.481 | ng/u1  | 94       |
| 35) 4-Chloro-3-methylphenol   | 11.769 | 107  | 379656   | 20.914 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.146 | 142  | 847019   | 20.806 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 848675   | 20.536 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.516 | 216  | 423798   | 21.893 | ng/u1 | 98       |
| 40) Hexachlorocyclopentadiene | 12.493 | 237  | 231306   | 21.041 | ng/u1 | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.757 | 196  | 277380   | 22.931 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.828 | 196  | 308418   | 22.577 | ng/u1 | 95       |
| 43) 1,1'-Biphenyl             | 13.169 | 154  | 1085987  | 21.241 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.210 | 162  | 875566   | 21.755 | ng/u1 | 98       |
| 45) 2-Nitroaniline            | 13.416 | 65   | 238293   | 22.248 | ng/u1 | 99       |
| 47) Dimethylphthalate         | 13.804 | 163  | 1082145  | 20.918 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 13.922 | 165  | 214227   | 22.335 | ng/u1 | 98       |
| 50) Acenaphthylene            | 14.057 | 152  | 1435256  | 21.573 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.246 | 138  | 230313   | 22.623 | ng/u1 | 100      |
| 52) Acenaphthene              | 14.404 | 153  | 940568   | 21.215 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.451 | 184  | 83815    | 19.025 | ng/u1 | 97       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 160528   | 21.151 | ng/u1 | 98       |
| 56) Dibenzofuran              | 14.740 | 168  | 1298597  | 21.071 | ng/u1 | 100      |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 311827   | 22.268 | ng/u1 | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 257380   | 22.685 | ng/u1 | 99       |
| 59) Diethylphthalate          | 15.175 | 149  | 1086145  | 20.667 | ng/u1 | 98       |
| 61) Fluorene                  | 15.387 | 166  | 1040819  | 21.247 | ng/u1 | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.387 | 204  | 507852   | 21.131 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.416 | 138  | 237967   | 24.043 | ng/u1 | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 154230   | 20.507 | ng/u1 | 99       |
| 67) N-Nitrosodiphenylamine    | 15.604 | 169  | 917565   | 21.247 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 317139   | 21.061 | ng/u1 | 97       |
| 69) Hexachlorobenzene         | 16.381 | 284  | 375782   | 21.193 | ng/u1 | 98       |
| 70) Atrazine                  | 16.557 | 200  | 317209   | 21.192 | ng/u1 | 98       |
| 71) Pentachlorophenol         | 16.728 | 266  | 227179   | 21.730 | ng/u1 | 96       |
| 72) Phenanthrene              | 17.128 | 178  | 1699040  | 20.854 | ng/u1 | 99       |
| 74) Anthracene                | 17.222 | 178  | 1741220  | 21.141 | ng/u1 | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.128 | 216  | 427237   | 21.930 | ng/uL | 96       |
| 76) Pentachlorobenzene        | 14.651 | 250  | 415046   | 20.974 | ng/uL | 97       |
| 77) Carbazole                 | 17.492 | 167  | 1599913  | 22.150 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.063 | 149  | 1940283  | 22.020 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.145 | 202  | 2019581  | 21.194 | ng/u1 | 98       |
| 82) Pyrene                    | 19.510 | 202  | 2103414  | 20.901 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.428 | 149  | 881637   | 22.940 | ng/u1 | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 617351   | 22.534 | ng/u1 | 98       |
| 85) Benzo(a)anthracene        | 21.304 | 228  | 2085409  | 20.958 | ng/u1 | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 1314319  | 23.190 | ng/u1 | 98       |
| 87) Chrysene                  | 21.363 | 228  | 2007065  | 21.370 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.357 | 149  | 2266527  | 23.765 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 1927095  | 21.742 | ng/u1 | 100      |
| 91) Benzo(k)fluoranthene      | 23.398 | 252  | 1989558  | 22.103 | ng/u1 | 98       |
| 93) Benzo(a)pyrene            | 24.127 | 252  | 1779641  | 21.255 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.562 | 276  | 1835236  | 20.277 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.627 | 278  | 1531395  | 20.099 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 28.592 | 276  | 1444145  | 20.325 | ng/u1 | 97       |

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

