

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP010924\  
 Data File : BP019320.D  
 Acq On : 09 Jan 2024 17:11  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020743

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/10/2024  
 Supervised By :mohammad ahmed 01/10/2024

Quant Time: Jan 10 00:14:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP010824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 09 03:05:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 147452   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.575 | 136  | 596191   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.428 | 164  | 400684   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 956653   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.286 | 240  | 847749   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.645 | 264  | 865181   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.217  | 96   | 32140    | 8.242  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 241795   | 21.444 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.969  | 99   | 286861   | 20.355 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.122  | 67   | 179823   | 21.332 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 207515   | 21.435 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 231945   | 20.745 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 106551   | 21.243 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 125755   | 21.578 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 249971   | 21.231 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.728 | 131  | 305111   | 20.515 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.845 | 166  | 739237   | 20.883 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 792999   | 20.898 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.663 | 143  | 115515   | 21.250 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.422 | 176  | 630995   | 21.772 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 200  | 137496   | 19.468 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 1003553  | 21.033 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.527 | 212  | 1191898  | 21.562 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.492 | 264  | 986650   | 20.973 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 34506    | 8.543  | ng/uL  | 99       |
| 5) Pyridine                   | 3.658  | 79   | 243501   | 21.258 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.928  | 77   | 165060   | 26.865 | ng/u1  | 95       |
| 8) Phenol                     | 6.999  | 94   | 291307   | 20.518 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.216  | 93   | 239878   | 21.063 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.346  | 128  | 211111   | 21.098 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.240  | 108  | 220462   | 20.702 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.310  | 45   | 289568   | 21.368 | ng/u1  | 98       |
| 16) Acetophenone              | 8.616  | 105  | 377030   | 21.170 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.599  | 70   | 203084   | 21.886 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.575  | 108  | 240271   | 21.193 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.846  | 117  | 95708    | 21.176 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.993  | 77   | 306767   | 21.863 | ng/u1  | 98       |
| 23) Isophorone                | 9.516  | 82   | 580154   | 21.328 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.699  | 139  | 130941   | 21.390 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.769  | 107  | 282482   | 21.401 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.004 | 93   | 335053   | 21.416 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 240936   | 21.234 | ng/u1  | 98       |
| 30) Naphthalene               | 10.628 | 128  | 711242   | 21.171 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.751 | 127  | 298406   | 20.509 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.904 | 225  | 201124   | 20.544 | ng/u1  | 100      |
| 34) Caprolactam               | 11.545 | 113  | 73664    | 20.701 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.893 | 107  | 273300   | 21.695 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.240 | 142  | 513148   | 20.993 | ng/u1  | 99       |

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| 37) 1-Methylnaphthalene       | 12.463 | 142  | 510651   | 21.352 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.610 | 216  | 372054   | 21.427 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.581 | 237  | 214226   | 19.223 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.863 | 196  | 233389   | 21.842 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.940 | 196  | 256663   | 22.414 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.257 | 154  | 711657   | 21.500 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.298 | 162  | 572183   | 21.375 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.522 | 65   | 174728   | 22.757 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.892 | 163  | 734186   | 20.868 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.022 | 165  | 153300   | 22.036 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.145 | 152  | 878868   | 21.146 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.351 | 138  | 131694   | 21.702 | ng/ul | 98       |
| 52) Acenaphthene              | 14.492 | 153  | 576574   | 21.172 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.563 | 184  | 83199    | 18.239 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 14.681 | 109  | 125286   | 21.343 | ng/ul | 96       |
| 56) Dibenzofuran              | 14.828 | 168  | 845289   | 21.680 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 221324   | 22.674 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.063 | 232  | 226396   | 22.271 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.257 | 149  | 719878   | 21.866 | ng/ul | 100      |
| 61) Fluorene                  | 15.481 | 166  | 694064   | 21.734 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.475 | 204  | 407853   | 21.401 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.522 | 138  | 131233m  | 27.896 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 144909   | 19.358 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 587585   | 20.835 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.369 | 248  | 270647   | 20.712 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.481 | 284  | 307973   | 20.451 | ng/ul | 99       |
| 70) Atrazine                  | 16.657 | 200  | 254644   | 20.715 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.839 | 266  | 185747   | 19.859 | ng/ul | 99       |
| 72) Phenanthrene              | 17.228 | 178  | 1135969  | 21.139 | ng/ul | 99       |
| 74) Anthracene                | 17.316 | 178  | 1148515  | 21.083 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.222 | 216  | 364024   | 20.551 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.745 | 250  | 357136   | 20.756 | ng/ul | 99       |
| 77) Carbazole                 | 17.598 | 167  | 964280   | 20.806 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 1188625  | 21.431 | ng/ul | 99       |
| 80) Fluoranthene              | 19.204 | 202  | 1397093  | 21.382 | ng/ul | 100      |
| 82) Pyrene                    | 19.557 | 202  | 1410138  | 21.263 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 502689   | 22.093 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.210 | 252  | 385125   | 20.008 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.274 | 228  | 1376357  | 20.856 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.198 | 149  | 709527   | 21.725 | ng/ul | 99       |
| 87) Chrysene                  | 21.321 | 228  | 1247396  | 20.678 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.104 | 149  | 1135474  | 19.228 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.927 | 252  | 1273126  | 20.591 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.974 | 252  | 1179953  | 19.672 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.539 | 252  | 1144871  | 20.607 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.092 | 276  | 1444119  | 21.979 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.098 | 278  | 1190860  | 21.894 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.839 | 276  | 1155902  | 21.906 | ng/ul | 99       |

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

