

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015522.D  
 Acq On : 14 Jun 2023 17:45  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020750

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 14 23:46:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 09 23:33:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152  | 156287   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.916 | 136  | 729393   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.733 | 164  | 495375   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 1154935  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.574 | 240  | 1132051  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.121 | 264  | 1208762  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 33458    | 7.927  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 233292   | 21.280 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 288589   | 20.043 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.410  | 67   | 178903   | 20.805 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.616  | 132  | 211798   | 20.289 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.804  | 113  | 229817   | 19.448 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.269  | 128  | 115731   | 20.210 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143  | 134479   | 20.564 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.534 | 165  | 248946   | 20.869 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.057 | 131  | 347386   | 20.288 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.139 | 166  | 796899   | 20.400 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.428 | 160  | 883643   | 20.687 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.939 | 143  | 122007   | 17.441 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.728 | 176  | 683451   | 20.748 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200  | 135174   | 18.475 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.586 | 188  | 1093704  | 20.813 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 1311935  | 21.653 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.951 | 264  | 1243177  | 20.497 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.440  | 88   | 34466    | 7.731  | ng/uL  | 92       |
| 5) Pyridine                   | 3.863  | 79   | 237477   | 20.895 | ng/u1  | 91       |
| 6) Benzaldehyde               | 7.222  | 77   | 95308m   | 17.318 | ng/u1  |          |
| 8) Phenol                     | 7.269  | 94   | 303434   | 20.427 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.504  | 93   | 240410   | 20.470 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 226079   | 20.498 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.534  | 108  | 224556   | 19.648 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.628  | 45   | 318367   | 20.456 | ng/u1  | 97       |
| 16) Acetophenone              | 8.922  | 105  | 385546   | 20.444 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.904  | 70   | 204442   | 20.086 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.869  | 108  | 250149   | 19.893 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.175  | 117  | 94295    | 20.232 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.310  | 77   | 316645   | 20.851 | ng/u1  | 99       |
| 23) Isophorone                | 9.834  | 82   | 607704   | 19.990 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.028 | 139  | 144897   | 20.522 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 10.081 | 107  | 302484   | 20.201 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.316 | 93   | 355647   | 20.122 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.563 | 162  | 248245   | 20.930 | ng/u1  | 95       |
| 30) Naphthalene               | 10.969 | 128  | 796741   | 20.158 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.081 | 127  | 361969   | 20.430 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.240 | 225  | 164449   | 20.559 | ng/u1  | 98       |
| 34) Caprolactam               | 11.863 | 113  | 82161    | 18.401 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 12.198 | 107  | 290741   | 20.231 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.569 | 142  | 566362   | 20.383 | ng/u1  | 97       |

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| 37) 1-Methylnaphthalene       | 12.787 | 142  | 577105   | 20.629 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.934 | 216  | 323276   | 20.957 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.904 | 237  | 134885   | 21.332 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.169 | 196  | 215212   | 20.962 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.245 | 196  | 227442   | 20.329 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.569 | 154  | 789574   | 20.611 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.610 | 162  | 618461   | 20.576 | ng/ul | 97       |
| 45) 2-Nitroaniline            | 13.822 | 65   | 202800   | 21.082 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.186 | 163  | 819327   | 20.314 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.316 | 165  | 169784   | 20.547 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.457 | 152  | 961446   | 20.326 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.645 | 138  | 119127   | 17.464 | ng/ul | 95       |
| 52) Acenaphthene              | 14.798 | 153  | 670711   | 20.513 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.857 | 184  | 106561   | 21.438 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.951 | 109  | 119149   | 17.658 | ng/ul | 95       |
| 56) Dibenzofuran              | 15.133 | 168  | 955877   | 20.626 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.104 | 165  | 248640   | 20.458 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.357 | 232  | 215457   | 21.329 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.545 | 149  | 853429   | 20.646 | ng/ul | 99       |
| 61) Fluorene                  | 15.780 | 166  | 781131   | 20.677 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.769 | 204  | 392620   | 20.621 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.810 | 138  | 108108   | 16.708 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.869 | 198  | 139405   | 18.682 | ng/ul | 93       |
| 67) N-Nitrosodiphenylamine    | 15.986 | 169  | 675879   | 20.628 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.669 | 248  | 253328   | 20.503 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.786 | 284  | 297986   | 20.445 | ng/ul | 94       |
| 70) Atrazine                  | 16.939 | 200  | 268259   | 20.503 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.139 | 266  | 165540   | 20.095 | ng/ul | 99       |
| 72) Phenanthrene              | 17.533 | 178  | 1276323  | 20.593 | ng/ul | 100      |
| 74) Anthracene                | 17.622 | 178  | 1292864  | 20.559 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.534 | 216  | 334708   | 20.998 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 15.051 | 250  | 344609   | 20.649 | ng/uL | 99       |
| 77) Carbazole                 | 17.892 | 167  | 1160591  | 20.497 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.422 | 149  | 1516642  | 21.111 | ng/ul | 100      |
| 80) Fluoranthene              | 19.486 | 202  | 1591673  | 21.566 | ng/ul | 100      |
| 82) Pyrene                    | 19.839 | 202  | 1639411  | 21.471 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.692 | 149  | 737561   | 21.855 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 492066   | 18.399 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.557 | 228  | 1647283  | 20.815 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.451 | 149  | 1098651  | 22.025 | ng/ul | 99       |
| 87) Chrysene                  | 21.610 | 228  | 1515896  | 20.265 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.421 | 149  | 1921855  | 24.192 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.333 | 252  | 1611016  | 20.647 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.386 | 252  | 1599955  | 21.213 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.009 | 252  | 1371932  | 20.167 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 1619459  | 18.395 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.833 | 278  | 1332225  | 18.574 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.645 | 276  | 1264344  | 17.427 | ng/ul | 98       |

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

