

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081023\  
 Data File : BP016541.D  
 Acq On : 10 Aug 2023 10:51  
 Operator : MA/JU  
 Sample : SSTD01019  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD010619

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/11/2023

Quant Time: Aug 10 17:24:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 10 14:05:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 314376   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.893 | 136  | 1347331  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.710 | 164  | 813976   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.481 | 188  | 1766875  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.575 | 240  | 1635416  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.169 | 264  | 1717626  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 32019    | 3.957  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.834  | 84   | 206669   | 9.166  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.199  | 99   | 234118   | 8.959  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 156506   | 9.735  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.581  | 132  | 183731   | 9.056  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.763  | 113  | 183762   | 8.776  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.258  | 128  | 84046    | 8.706  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 73042    | 7.799  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.499 | 165  | 163945   | 8.698  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.046 | 131  | 267911   | 9.261  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.122 | 166  | 543268   | 9.305  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 622098   | 9.275  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.904 | 143  | 87680    | 7.661  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.704 | 176  | 480984   | 9.657  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.822 | 200  | 52729    | 6.297  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.581 | 188  | 733065   | 9.639  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 845005   | 9.384  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.992 | 264  | 756619   | 9.181  | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.434  | 88   | 32364    | 3.815  | ng/uL  | 98       |
| 5) Pyridine                   | 3.858  | 79   | 218586   | 9.445  | ng/ul  | 99       |
| 6) Benzaldehyde               | 7.216  | 77   | 161792   | 11.935 | ng/ul  | 95       |
| 8) Phenol                     | 7.222  | 94   | 257005   | 9.363  | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.493  | 93   | 217229   | 9.688  | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.611  | 128  | 195225   | 9.261  | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.493  | 108  | 185602   | 9.029  | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.575  | 45   | 272486m  | 9.852  | ng/ul  |          |
| 16) Acetophenone              | 8.910  | 105  | 320128   | 9.872  | ng/ul  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.875  | 70   | 151490   | 9.208  | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.828  | 108  | 201929   | 9.068  | ng/ul  | 95       |
| 19) Hexachloroethane          | 9.140  | 117  | 81044    | 9.325  | ng/ul  | 99       |
| 22) Nitrobenzene              | 9.299  | 77   | 227658   | 9.270  | ng/ul  | 95       |
| 23) Isophorone                | 9.816  | 82   | 406497   | 8.832  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.005 | 139  | 90412    | 8.367  | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 10.040 | 107  | 215875   | 9.273  | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.305 | 93   | 284793   | 9.389  | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.528 | 162  | 175155   | 9.106  | ng/ul  | 99       |
| 30) Naphthalene               | 10.946 | 128  | 675358   | 9.741  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.069 | 127  | 273768   | 9.624  | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.181 | 225  | 115039   | 9.502  | ng/ul  | 99       |
| 34) Caprolactam               | 11.869 | 113  | 49680    | 7.218  | ng/ul  | 92       |
| 35) 4-Chloro-3-methylphenol   | 12.163 | 107  | 181259   | 8.659  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.546 | 142  | 438790   | 9.485  | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.763 | 142  | 444450   | 9.566  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.893 | 216  | 228010   | 9.586  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.846 | 237  | 116630   | 8.036  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.140 | 196  | 123123   | 8.408  | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.204 | 196  | 141342   | 8.843  | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.546 | 154  | 589081   | 9.764  | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.593 | 162  | 464753   | 9.797  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.816 | 65   | 101335   | 8.085  | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.169 | 163  | 556690   | 9.419  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.304 | 165  | 85195    | 7.845  | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.440 | 152  | 740749   | 9.554  | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.645 | 138  | 98720    | 8.622  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.775 | 153  | 497850   | 9.716  | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.840 | 184  | 29024    | 4.971  | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 71840    | 8.518  | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.110 | 168  | 697466   | 9.931  | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.087 | 165  | 126911   | 8.073  | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.322 | 232  | 112777   | 8.535  | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.522 | 149  | 545795   | 9.324  | ng/ul  | 98       |
| 61) Fluorene                  | 15.763 | 166  | 563992   | 9.950  | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.751 | 204  | 275019   | 9.886  | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.810 | 138  | 93378    | 9.015  | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.834 | 198  | 61208    | 6.644  | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.975 | 169  | 457991   | 9.532  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.657 | 248  | 158186   | 9.258  | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.739 | 284  | 188703   | 9.399  | ng/ul  | 99       |
| 70) Atrazine                  | 16.928 | 200  | 149169   | 8.781  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.098 | 266  | 91937    | 7.518  | ng/ul  | 95       |
| 72) Phenanthrene              | 17.522 | 178  | 901138   | 9.879  | ng/ul  | 99       |
| 74) Anthracene                | 17.616 | 178  | 889704   | 9.774  | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.504 | 216  | 237446   | 9.606  | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.004 | 250  | 214340   | 9.644  | ng/uL  | 99       |
| 77) Carbazole                 | 17.892 | 167  | 790109   | 10.019 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.410 | 149  | 874804   | 9.055  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.481 | 202  | 1006632  | 9.418  | ng/ul  | 99       |
| 82) Pyrene                    | 19.839 | 202  | 1078547  | 9.698  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 358331   | 8.255  | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.492 | 252  | 310697   | 8.752  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.557 | 228  | 1049661  | 9.587  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.439 | 149  | 502421   | 8.169  | ng/ul  | 100      |
| 87) Chrysene                  | 21.616 | 228  | 992757   | 9.794  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.427 | 149  | 840365   | 8.820  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.357 | 252  | 951249   | 9.377  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.410 | 252  | 985160   | 9.659  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.045 | 252  | 897607   | 9.445  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.915 | 276  | 1027968  | 9.320  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.945 | 278  | 864721   | 9.412  | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 27.774 | 276  | 815596   | 9.378  | ng/ul  | 99       |

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

