

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082523\  
 Data File : BP016749.D  
 Acq On : 25 Aug 2023 17:11  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020703

Quant Time: Aug 25 23:10:13 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 25 01:47:30 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/26/2023  
 Supervised By :mohammad ahmed 08/26/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.034  | 152  | 340760   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.869 | 136  | 1531778  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.686 | 164  | 959474   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.457 | 188  | 2095530  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 1914632  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 1933485  | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 62998    | 7.641  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.816  | 84   | 457753   | 18.168 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.175  | 99   | 534085   | 17.626 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.369  | 67   | 345386   | 17.885 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.551  | 132  | 423974   | 18.610 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.740  | 113  | 438764   | 17.738 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.234  | 128  | 208533   | 18.005 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.951  | 143  | 220519   | 18.063 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.475 | 165  | 420067   | 18.457 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.022 | 131  | 633693   | 18.156 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.098 | 166  | 1311152  | 18.120 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.386 | 160  | 1538823  | 18.813 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 248133   | 16.591 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.680 | 176  | 1125798  | 18.476 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.804 | 200  | 194599   | 15.593 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.557 | 188  | 1741964  | 18.754 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.786 | 212  | 1990048  | 18.925 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.956 | 264  | 1785870  | 18.439 | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.422  | 88   | 66905    | 7.452  | ng/uL | 98       |
| 5) Pyridine                   | 3.840  | 79   | 474836   | 18.295 | ng/u1 | 98       |
| 6) Benzaldehyde               | 7.193  | 77   | 340666   | 20.559 | ng/u1 | 98       |
| 8) Phenol                     | 7.204  | 94   | 563634   | 17.774 | ng/u1 | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.469  | 93   | 461411   | 18.026 | ng/u1 | 98       |
| 12) 2-Chlorophenol            | 7.587  | 128  | 430326   | 18.480 | ng/u1 | 99       |
| 13) 2-Methylphenol            | 8.469  | 108  | 426447   | 17.928 | ng/u1 | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.545  | 45   | 679049m  | 18.187 | ng/u1 |          |
| 16) Acetophenone              | 8.887  | 105  | 707586   | 18.448 | ng/u1 | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.851  | 70   | 373212   | 18.464 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.804  | 108  | 464300   | 17.925 | ng/u1 | 99       |
| 19) Hexachloroethane          | 9.110  | 117  | 172178   | 17.770 | ng/u1 | 98       |
| 22) Nitrobenzene              | 9.275  | 77   | 538135   | 18.111 | ng/u1 | 100      |
| 23) Isophorone                | 9.792  | 82   | 1060817  | 18.383 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.981  | 139  | 243654   | 18.050 | ng/u1 | 100      |
| 26) 2,4-Dimethylphenol        | 10.016 | 107  | 496870   | 18.314 | ng/u1 | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.275 | 93   | 647591   | 18.189 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.498 | 162  | 417162   | 18.247 | ng/u1 | 98       |
| 30) Naphthalene               | 10.916 | 128  | 1458802  | 18.385 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 11.045 | 127  | 622425   | 18.147 | ng/u1 | 100      |
| 33) Hexachlorobutadiene       | 11.151 | 225  | 248796   | 17.667 | ng/u1 | 97       |
| 34) Caprolactam               | 11.863 | 113  | 150169   | 17.812 | ng/u1 | 92       |
| 35) 4-Chloro-3-methylphenol   | 12.139 | 107  | 467284   | 18.227 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.516 | 142  | 1004126  | 18.334 | ng/u1 | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.739 | 142  | 1020217  | 18.472 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.869 | 216  | 497141   | 18.179 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.816 | 237  | 395163   | 19.650 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.116 | 196  | 331299   | 18.142 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.186 | 196  | 361158   | 18.277 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.522 | 154  | 1327361  | 18.607 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.569 | 162  | 1045134  | 18.559 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.798 | 65   | 299313   | 17.525 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.145 | 163  | 1330171  | 18.152 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.286 | 165  | 250853   | 17.470 | ng/ul | 96       |
| 50) Acenaphthylene            | 14.416 | 152  | 1744393  | 18.632 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.627 | 138  | 265133   | 17.732 | ng/ul | 99       |
| 52) Acenaphthene              | 14.751 | 153  | 1148566  | 18.544 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.822 | 184  | 187528   | 17.973 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.904 | 109  | 184606   | 16.344 | ng/ul | 97       |
| 56) Dibenzofuran              | 15.086 | 168  | 1573379  | 18.513 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.069 | 165  | 372505   | 17.625 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.304 | 232  | 298030   | 17.716 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.504 | 149  | 1334522  | 17.926 | ng/ul | 99       |
| 61) Fluorene                  | 15.739 | 166  | 1308078  | 18.402 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.727 | 204  | 625659   | 17.927 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.792 | 138  | 258290   | 18.154 | ng/ul | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.822 | 198  | 212865   | 15.821 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.951 | 169  | 1093040  | 18.859 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.633 | 248  | 361810   | 18.009 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.716 | 284  | 395312   | 17.573 | ng/ul | 95       |
| 70) Atrazine                  | 16.904 | 200  | 393357   | 18.002 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.080 | 266  | 293679   | 17.587 | ng/ul | 98       |
| 72) Phenanthrene              | 17.498 | 178  | 2034815  | 18.445 | ng/ul | 100      |
| 74) Anthracene                | 17.592 | 178  | 2093299  | 18.766 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.480 | 216  | 525776   | 18.738 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.980 | 250  | 460323   | 18.358 | ng/ul | 99       |
| 77) Carbazole                 | 17.874 | 167  | 1912874  | 19.041 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.380 | 149  | 2276426  | 18.162 | ng/ul | 99       |
| 80) Fluoranthene              | 19.462 | 202  | 2368230  | 18.748 | ng/ul | 99       |
| 82) Pyrene                    | 19.815 | 202  | 2479757  | 19.005 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.674 | 149  | 1050624  | 18.670 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 773053   | 18.890 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 2450129  | 18.578 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.409 | 149  | 1556454  | 18.943 | ng/ul | 98       |
| 87) Chrysene                  | 21.592 | 228  | 2235376  | 18.660 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.392 | 149  | 2645719  | 18.171 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 2215714  | 17.946 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 2264801  | 18.548 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.009 | 252  | 2039919  | 18.266 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.856 | 276  | 2050925  | 17.972 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.886 | 278  | 1698871  | 17.923 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.715 | 276  | 1553682  | 17.958 | ng/ul | 99       |

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

