

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102023\  
 Data File : BP017737.D  
 Acq On : 20 Oct 2023 09:19  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020787

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/23/2023  
 Supervised By :mohammad ahmed 10/23/2023

Quant Time: Oct 20 22:36:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 01:32:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 102087   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.722 | 136  | 406400   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.587 | 164  | 257882   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.381 | 188  | 544128   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.522 | 240  | 498590   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.080 | 264  | 513876   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 24936    | 9.087  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 156957   | 21.846 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 176236   | 20.745 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.240  | 67   | 118750   | 22.634 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.411  | 132  | 146920   | 21.204 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.616  | 113  | 140120   | 21.004 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.099  | 128  | 67190    | 20.403 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.816  | 143  | 74963    | 20.602 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.346 | 165  | 140016   | 19.617 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.899 | 131  | 182943   | 19.586 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.004 | 166  | 422310   | 19.508 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.287 | 160  | 488165   | 20.220 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.834 | 143  | 55055    | 17.848 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.593 | 176  | 368827   | 19.709 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.740 | 200  | 63537    | 17.727 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.481 | 188  | 571563   | 20.555 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.739 | 212  | 650309   | 20.804 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.910 | 264  | 585201   | 20.446 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 27727    | 9.526  | ng/uL  | 96       |
| 5) Pyridine                   | 3.711  | 79   | 163985   | 22.277 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.052  | 77   | 112879   | 24.700 | ng/u1  | 97       |
| 8) Phenol                     | 7.081  | 94   | 177853   | 21.233 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.334  | 93   | 151515   | 21.682 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.446  | 128  | 149187   | 21.438 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.346  | 108  | 132054   | 20.890 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.405  | 45   | 192919m  | 22.429 | ng/u1  |          |
| 16) Acetophenone              | 8.752  | 105  | 227238   | 21.666 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.716  | 70   | 115782   | 23.274 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.681  | 108  | 141408   | 21.065 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.952  | 117  | 69533    | 21.746 | ng/u1  | 82       |
| 22) Nitrobenzene              | 9.146  | 77   | 184652   | 22.520 | ng/u1  | 97       |
| 23) Isophorone                | 9.658  | 82   | 318243   | 21.704 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.846  | 139  | 79742    | 20.532 | ng/u1  | 89       |
| 26) 2,4-Dimethylphenol        | 9.893  | 107  | 164847   | 21.626 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.146 | 93   | 194482   | 21.445 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.369 | 162  | 138485   | 20.291 | ng/u1  | 97       |
| 30) Naphthalene               | 10.775 | 128  | 479200   | 20.489 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.922 | 127  | 178025   | 19.903 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.999 | 225  | 101302   | 18.280 | ng/u1  | 98       |
| 34) Caprolactam               | 11.763 | 113  | 33870m   | 19.273 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.034 | 107  | 143671   | 22.359 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.393 | 142  | 319379   | 20.216 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.616 | 142  | 327210   | 20.253 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.746 | 216  | 174939   | 18.333 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.687 | 237  | 84316    | 15.380 | ng/ul# | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 109814   | 19.175 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.087 | 196  | 113120   | 19.105 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 425673   | 20.036 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.463 | 162  | 341769   | 19.900 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.710 | 65   | 90665    | 23.231 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.057 | 163  | 420581   | 19.712 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.204 | 165  | 77973    | 19.855 | ng/ul  | 88       |
| 50) Acenaphthylene            | 14.316 | 152  | 554973   | 20.522 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.551 | 138  | 73261    | 19.615 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.657 | 153  | 371092   | 20.299 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.769 | 184  | 29759    | 13.499 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 68289    | 20.914 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.993 | 168  | 517332   | 20.155 | ng/ul  | 91       |
| 57) 2,4-Dinitrotoluene        | 14.998 | 165  | 117672   | 20.302 | ng/ul  | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232  | 97810    | 18.616 | ng/ul# | 85       |
| 59) Diethylphthalate          | 15.416 | 149  | 426580   | 20.708 | ng/ul  | 98       |
| 61) Fluorene                  | 15.651 | 166  | 424319   | 20.125 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 212327   | 18.947 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.728 | 138  | 69944    | 20.762 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.751 | 198  | 69262    | 18.042 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 15.875 | 169  | 350470   | 21.260 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 116719   | 18.333 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.634 | 284  | 126691   | 17.333 | ng/ul# | 88       |
| 70) Atrazine                  | 16.840 | 200  | 116480   | 19.225 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.010 | 266  | 72370    | 16.469 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.422 | 178  | 665763   | 20.887 | ng/ul  | 99       |
| 74) Anthracene                | 17.516 | 178  | 675512   | 20.924 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.369 | 216  | 172110   | 18.851 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.887 | 250  | 159378   | 18.012 | ng/ul  | 96       |
| 77) Carbazole                 | 17.810 | 167  | 573685   | 21.026 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 693278   | 21.886 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.410 | 202  | 771415   | 21.479 | ng/ul  | 97       |
| 82) Pyrene                    | 19.769 | 202  | 804755   | 21.150 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.639 | 149  | 295832   | 22.605 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 204026   | 18.112 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.504 | 228  | 779184   | 20.557 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.386 | 149  | 418559   | 22.911 | ng/ul  | 97       |
| 87) Chrysene                  | 21.563 | 228  | 738066   | 20.591 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.369 | 149  | 731865   | 22.484 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.286 | 252  | 718315   | 20.539 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.339 | 252  | 738330   | 20.830 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.969 | 252  | 683530   | 20.819 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 794817   | 20.312 | ng/ul# | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.827 | 278  | 658310   | 20.163 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.651 | 276  | 637530   | 20.221 | ng/ul  | 97       |

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

