

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051523\  
 Data File : BP015070.D  
 Acq On : 15 May 2023 11:00  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020708

Quant Time: May 16 01:20:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 11 23:06:15 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/16/2023  
 Supervised By : Yogesh Patel 05/16/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.140  | 152  | 340022   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.969 | 136  | 1538570  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.781 | 164  | 981484   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.534 | 188  | 2153502  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.616 | 240  | 1880778  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.186 | 264  | 2039440  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.440  | 96   | 74576    | 8.522  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.875  | 84   | 525258   | 21.174 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.287  | 99   | 652645   | 20.673 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.458  | 67   | 399588   | 21.915 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.664  | 132  | 491656   | 21.181 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.852  | 113  | 535719   | 21.296 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.316  | 128  | 251534   | 20.805 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.046 | 143  | 282293   | 20.985 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.587 | 165  | 522290   | 21.516 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.105 | 131  | 805783   | 22.435 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.181 | 166  | 1627714  | 21.947 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.475 | 160  | 1881392  | 22.180 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.969 | 143  | 303963   | 21.106 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.769 | 176  | 1390347  | 22.216 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.892 | 200  | 280277   | 20.652 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.634 | 188  | 2164468  | 21.950 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.851 | 212  | 2400635  | 22.008 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.021 | 264  | 2147554  | 21.213 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.475  | 88   | 80573    | 8.568  | ng/uL  | 98       |
| 5) Pyridine                   | 3.899  | 79   | 547604   | 21.226 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.269  | 77   | 173431   | 19.987 | ng/u1  | 97       |
| 8) Phenol                     | 7.316  | 94   | 683153   | 21.103 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.552  | 93   | 563670   | 21.763 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.699  | 128  | 526045   | 21.426 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.587  | 108  | 523516   | 20.924 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.675  | 45   | 719138   | 22.162 | ng/u1  | 99       |
| 16) Acetophenone              | 8.975  | 105  | 887388   | 22.601 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.958  | 70   | 459054   | 22.293 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.916  | 108  | 591393   | 21.475 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.234  | 117  | 215330   | 21.479 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.358  | 77   | 642978   | 21.533 | ng/u1  | 99       |
| 23) Isophorone                | 9.887  | 82   | 1333147  | 21.721 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.075 | 139  | 312117   | 21.158 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.128 | 107  | 644973   | 21.910 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.369 | 93   | 815259   | 21.831 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.616 | 162  | 532549   | 21.719 | ng/u1  | 100      |
| 30) Naphthalene               | 11.022 | 128  | 1829372  | 21.870 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.134 | 127  | 836365   | 22.657 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.304 | 225  | 317539   | 21.487 | ng/u1  | 99       |
| 34) Caprolactam               | 11.904 | 113  | 188669m  | 20.409 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.240 | 107  | 600472   | 21.688 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.616 | 142  | 1232632  | 21.871 | ng/u1  | 100      |

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Manual Integrations  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 11 23:06:15 2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.834 | 142  | 1253861  | 22.154 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.981 | 216  | 641673   | 21.860 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.957 | 237  | 384928   | 20.239 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.216 | 196  | 438187   | 21.140 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.293 | 196  | 476468   | 21.201 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.616 | 154  | 1697061  | 22.286 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.663 | 162  | 1313383  | 22.085 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.863 | 65   | 373121   | 21.928 | ng/ul | 94       |
| 47) Dimethylphthalate         | 14.228 | 163  | 1699680  | 22.005 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.351 | 165  | 337299   | 22.042 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.504 | 152  | 2099409  | 22.182 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.681 | 138  | 256728   | 18.632 | ng/ul | 99       |
| 52) Acenaphthene              | 14.845 | 153  | 1439412  | 22.267 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.893 | 184  | 191803   | 18.878 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.987 | 109  | 228567   | 21.578 | ng/ul | 99       |
| 56) Dibenzofuran              | 15.175 | 168  | 1994280  | 22.181 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 15.140 | 165  | 485149   | 21.910 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.404 | 232  | 411770   | 21.709 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.587 | 149  | 1700971  | 22.080 | ng/ul | 100      |
| 61) Fluorene                  | 15.828 | 166  | 1617732  | 22.389 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.816 | 204  | 779077   | 22.067 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.845 | 138  | 229647   | 19.300 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.904 | 198  | 292916   | 20.913 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 16.028 | 169  | 1391904  | 21.981 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.716 | 248  | 477947   | 21.547 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.834 | 284  | 563713   | 21.505 | ng/ul | 99       |
| 70) Atrazine                  | 16.981 | 200  | 511164   | 21.840 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.181 | 266  | 336796   | 20.541 | ng/ul | 100      |
| 72) Phenanthrene              | 17.575 | 178  | 2574061  | 21.951 | ng/ul | 99       |
| 74) Anthracene                | 17.669 | 178  | 2631312  | 22.190 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.587 | 216  | 653635   | 21.407 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.098 | 250  | 669101   | 21.825 | ng/ul | 99       |
| 77) Carbazole                 | 17.934 | 167  | 2348069  | 22.582 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.463 | 149  | 2882346  | 21.525 | ng/ul | 100      |
| 80) Fluoranthene              | 19.528 | 202  | 2941252  | 22.123 | ng/ul | 99       |
| 82) Pyrene                    | 19.881 | 202  | 3064691  | 22.322 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.733 | 149  | 1267685  | 20.827 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.522 | 252  | 901391   | 21.822 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.598 | 228  | 2800713  | 21.536 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.492 | 149  | 1830683  | 20.891 | ng/ul | 99       |
| 87) Chrysene                  | 21.651 | 228  | 2676584  | 21.531 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.474 | 149  | 3032864  | 21.714 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.392 | 252  | 2854894  | 22.081 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.445 | 252  | 2661387  | 21.437 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.074 | 252  | 2436590  | 21.321 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.915 | 276  | 2850668  | 19.265 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.933 | 278  | 2338078  | 19.249 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.757 | 276  | 2278497  | 18.883 | ng/ul | 99       |

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

