

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111224\  
 Data File : BP023031.D  
 Acq On : 12 Nov 2024 03:13  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020711

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/13/2024  
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 12 04:22:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 11 22:00:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.587  | 152  | 70562    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.334 | 136  | 286398   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.210 | 164  | 237328   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.016 | 188  | 590263   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.445 | 240  | 695811   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.668 | 264  | 802639   | 20.000 | ng/u1  | -0.04    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.140  | 96   | 13507    | 9.201  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84   | 92269    | 21.156 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.787  | 99   | 113575   | 21.771 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 65749    | 21.452 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.134  | 132  | 83884    | 21.955 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.293  | 113  | 92777    | 21.611 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.728  | 128  | 43186    | 21.660 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.445  | 143  | 50014    | 21.041 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.981  | 165  | 107123   | 21.520 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.492 | 131  | 121062   | 20.386 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.604 | 166  | 363470   | 21.249 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.892 | 160  | 385378   | 21.592 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.463 | 143  | 49642    | 19.312 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.222 | 176  | 312902   | 20.865 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.363 | 200  | 72634    | 20.541 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.122 | 188  | 544555   | 21.789 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.492 | 212  | 693611   | 21.642 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.451 | 264  | 852127   | 22.288 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 14426    | 8.505  | ng/uL  | 96       |
| 5) Pyridine                   | 3.569  | 79   | 94728    | 21.627 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.757  | 77   | 79766    | 26.570 | ng/u1  | 95       |
| 8) Phenol                     | 6.816  | 94   | 116206   | 21.331 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.028  | 93   | 88256    | 21.559 | ng/u1  | 93       |
| 12) 2-Chlorophenol            | 7.169  | 128  | 87595    | 22.082 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.040  | 108  | 85736    | 21.084 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.098  | 45   | 101920   | 21.993 | ng/u1  | 95       |
| 16) Acetophenone              | 8.404  | 105  | 155702   | 21.583 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 80688    | 22.401 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.363  | 108  | 95437    | 21.248 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.634  | 117  | 39670    | 20.678 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.775  | 77   | 122313   | 21.379 | ng/u1  | 99       |
| 23) Isophorone                | 9.293  | 82   | 221017   | 21.605 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.475  | 139  | 53624    | 21.373 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.540  | 107  | 115012   | 21.229 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.763  | 93   | 121496   | 21.585 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.010 | 162  | 104079   | 21.109 | ng/u1  | 96       |
| 30) Naphthalene               | 10.387 | 128  | 294182   | 21.143 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.510 | 127  | 119377   | 20.749 | ng/u1  | 93       |
| 33) Hexachlorobutadiene       | 10.657 | 225  | 89599    | 20.083 | ng/u1  | 96       |
| 34) Caprolactam               | 11.304 | 113  | 30601m   | 20.866 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.657 | 107  | 115527   | 21.780 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.004 | 142  | 224471   | 21.369 | ng/u1  | 96       |

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## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/13/2024

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 11 22:00:58 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.210 | 142  | 230624   | 21.477 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.381 | 216  | 168365   | 21.013 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.345 | 237  | 79991    | 19.008 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.622 | 196  | 105159   | 21.554 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.716 | 196  | 112515   | 21.392 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.016 | 154  | 325574   | 21.409 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.069 | 162  | 263121   | 21.166 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.281 | 65   | 75345    | 21.585 | ng/ul | 92       |
| 47) Dimethylphthalate         | 13.657 | 163  | 354280   | 21.002 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.798 | 165  | 71306    | 21.731 | ng/ul | 99       |
| 50) Acenaphthylene            | 13.922 | 152  | 387273   | 21.466 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.139 | 138  | 62891    | 22.253 | ng/ul | 99       |
| 52) Acenaphthene              | 14.275 | 153  | 282798   | 21.591 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.357 | 184  | 41029    | 17.622 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.480 | 109  | 58251    | 19.369 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.622 | 168  | 429280   | 21.213 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.604 | 165  | 111170   | 21.257 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.863 | 232  | 111032   | 21.596 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.039 | 149  | 350188   | 20.990 | ng/ul | 98       |
| 61) Fluorene                  | 15.280 | 166  | 348392   | 21.034 | ng/ul | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.269 | 204  | 201393   | 20.650 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.322 | 138  | 61079    | 23.225 | ng/ul | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.375 | 198  | 75199    | 19.909 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.486 | 169  | 302029   | 22.144 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.174 | 248  | 143026   | 21.398 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.304 | 284  | 177920   | 21.144 | ng/ul | 96       |
| 70) Atrazine                  | 16.469 | 200  | 138955   | 21.076 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.669 | 266  | 103378   | 19.789 | ng/ul | 99       |
| 72) Phenanthrene              | 17.063 | 178  | 609446   | 21.868 | ng/ul | 99       |
| 74) Anthracene                | 17.151 | 178  | 606519   | 21.646 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.981 | 216  | 168195   | 21.582 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.539 | 250  | 191153   | 21.481 | ng/ul | 98       |
| 77) Carbazole                 | 17.445 | 167  | 542181   | 22.179 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.021 | 149  | 582307   | 21.465 | ng/ul | 99       |
| 80) Fluoranthene              | 19.151 | 202  | 802241   | 21.727 | ng/ul | 99       |
| 82) Pyrene                    | 19.527 | 202  | 845641   | 21.319 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.486 | 149  | 277637   | 21.260 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.357 | 252  | 339124   | 21.713 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.427 | 228  | 912712   | 21.482 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 401622   | 21.641 | ng/ul | 99       |
| 87) Chrysene                  | 21.498 | 228  | 860230   | 21.518 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.580 | 149  | 677777   | 20.814 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.656 | 252  | 978727   | 21.908 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.721 | 252  | 977424   | 22.225 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.515 | 252  | 883174   | 21.869 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.333 | 276  | 1184621m | 21.054 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.386 | 278  | 952828   | 20.856 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 29.456 | 276  | 892096   | 20.874 | ng/ul | 99       |

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

