

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032923\  
 Data File : BP014352.D  
 Acq On : 29 Mar 2023 08:37  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020794

Quant Time: Mar 30 00:47:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 29 12:45:26 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/30/2023  
 Supervised By : Jagrut Upadhyay 03/30/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.034  | 152  | 159146   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.863 | 136  | 686037   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.692 | 164  | 464404   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.451 | 188  | 994905   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 785059   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.068 | 264  | 706701   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 34710    | 8.458  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.834  | 84   | 224425   | 21.340 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.193  | 99   | 305103   | 20.788 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.363  | 67   | 201316   | 21.378 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.563  | 132  | 228921   | 21.580 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.751  | 113  | 249194   | 21.048 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.216  | 128  | 116392   | 21.016 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 136074   | 21.457 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.481 | 165  | 248225   | 21.492 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.004 | 131  | 322002   | 21.166 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.092 | 166  | 792823   | 21.055 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.386 | 160  | 882790   | 21.129 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.898 | 143  | 121380   | 21.337 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.686 | 176  | 648004   | 20.636 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.810 | 200  | 146841   | 20.058 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.551 | 188  | 1017365  | 21.130 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.774 | 212  | 1123173  | 21.300 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.904 | 264  | 800698   | 21.325 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.434  | 88   | 37780    | 8.377  | ng/uL  | 97       |
| 5) Pyridine                   | 3.858  | 79   | 234042   | 21.266 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.175  | 77   | 186918   | 25.621 | ng/u1  | 93       |
| 8) Phenol                     | 7.222  | 94   | 321799   | 21.135 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.452  | 93   | 258224   | 21.105 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.599  | 128  | 233001   | 21.103 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.487  | 108  | 235115   | 20.706 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.569  | 45   | 346757m  | 21.585 | ng/u1  |          |
| 16) Acetophenone              | 8.875  | 105  | 418439   | 21.404 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.851  | 70   | 226584   | 21.454 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.816  | 108  | 262932   | 21.085 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.122  | 117  | 105447   | 21.858 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.257  | 77   | 334835   | 21.045 | ng/u1  | 98       |
| 23) Isophorone                | 9.787  | 82   | 625820   | 21.339 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.975  | 139  | 143265   | 21.403 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 318401   | 21.252 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.263 | 93   | 373744   | 21.255 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.510 | 162  | 245462   | 21.596 | ng/u1  | 94       |
| 30) Naphthalene               | 10.910 | 128  | 805883   | 21.089 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.028 | 127  | 330764   | 21.466 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.187 | 225  | 186021   | 20.658 | ng/u1  | 98       |
| 34) Caprolactam               | 11.822 | 113  | 73438m   | 21.871 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.151 | 107  | 296735   | 21.225 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.516 | 142  | 550531   | 21.258 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.734 | 142  | 551517   | 21.473 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.881 | 216  | 335261   | 20.248 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.857 | 237  | 203559   | 18.984 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.128 | 196  | 215004   | 20.984 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.204 | 196  | 230090   | 21.094 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.522 | 154  | 767444   | 20.454 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.563 | 162  | 604217   | 20.367 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.781 | 65   | 199272   | 21.690 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.139 | 163  | 791330   | 21.019 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.269 | 165  | 158937   | 21.608 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.410 | 152  | 935399   | 21.021 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.604 | 138  | 144690   | 21.957 | ng/ul | 99       |
| 52) Acenaphthene              | 14.751 | 153  | 651721   | 20.726 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.816 | 184  | 92400    | 19.398 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.916 | 109  | 122800   | 21.873 | ng/ul | 97       |
| 56) Dibenzofuran              | 15.086 | 168  | 897927   | 20.314 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.063 | 165  | 225031   | 21.567 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 206677   | 21.081 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.504 | 149  | 777743   | 20.788 | ng/ul | 99       |
| 61) Fluorene                  | 15.739 | 166  | 740118   | 20.657 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.728 | 204  | 396948   | 20.622 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.775 | 138  | 122859   | 22.946 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.822 | 198  | 145078   | 20.449 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.945 | 169  | 637091   | 20.581 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.633 | 248  | 250177   | 20.208 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.745 | 284  | 284959   | 20.039 | ng/ul | 97       |
| 70) Atrazine                  | 16.904 | 200  | 241181   | 21.403 | ng/ul | 96       |
| 71) Pentachlorophenol         | 17.098 | 266  | 162240   | 19.693 | ng/ul | 99       |
| 72) Phenanthrene              | 17.492 | 178  | 1165847  | 21.063 | ng/ul | 99       |
| 74) Anthracene                | 17.586 | 178  | 1186953  | 21.277 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.486 | 216  | 344019   | 19.644 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.004 | 250  | 342987   | 19.628 | ng/ul | 99       |
| 77) Carbazole                 | 17.857 | 167  | 1004971  | 21.527 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.386 | 149  | 1269959  | 21.634 | ng/ul | 100      |
| 80) Fluoranthene              | 19.451 | 202  | 1336622  | 21.438 | ng/ul | 99       |
| 82) Pyrene                    | 19.804 | 202  | 1354395  | 20.807 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.663 | 149  | 484830   | 21.623 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 358396   | 20.642 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.521 | 228  | 1178534  | 21.185 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.415 | 149  | 632551   | 20.630 | ng/ul | 99       |
| 87) Chrysene                  | 21.574 | 228  | 1120864  | 21.338 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.386 | 149  | 966178   | 21.068 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.286 | 252  | 1031176  | 21.605 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.339 | 252  | 1000137  | 21.575 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.957 | 252  | 884058   | 21.519 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.727 | 276  | 1198728  | 21.208 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.739 | 278  | 998658   | 21.103 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.550 | 276  | 972869   | 21.116 | ng/ul | 99       |

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

