

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042823\  
 Data File : BP014878.D  
 Acq On : 28 Apr 2023 16:42  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SICV603

Quant Time: Apr 29 00:47:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 29 00:40:33 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/01/2023  
 Supervised By :Jagrut Upadhyay 05/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.175  | 152  | 211276   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.010 | 136  | 839393   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.822 | 164  | 496016   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.575 | 188  | 1029703  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.657 | 240  | 949531   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.268 | 264  | 1061785  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.464  | 96   | 50158    | 8.556  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.905  | 84   | 293584   | 20.833 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.316  | 99   | 340960   | 20.619 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.493  | 67   | 224980   | 21.693 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.699  | 132  | 279739   | 22.343 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.881  | 113  | 263141   | 20.884 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.352  | 128  | 133540   | 22.157 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.081 | 143  | 127991   | 23.134 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.622 | 165  | 266775   | 22.451 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.146 | 131  | 367210   | 21.375 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.222 | 166  | 782978   | 22.026 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.516 | 160  | 937214   | 22.072 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.998 | 143  | 101630   | 19.214 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.810 | 176  | 677009   | 21.849 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.922 | 200  | 85976    | 19.740 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.675 | 188  | 1032816  | 21.963 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.892 | 212  | 1159197  | 21.980 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.092 | 264  | 1150625  | 21.940 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.505  | 88   | 53364    | 8.549  | ng/uL  | 98       |
| 5) Pyridine                   | 3.928  | 79   | 312752   | 21.162 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.305  | 77   | 86764    | 18.517 | ng/u1  | 99       |
| 8) Phenol                     | 7.340  | 94   | 363913   | 21.220 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.587  | 93   | 315730   | 21.485 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.728  | 128  | 299461   | 22.290 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.616  | 108  | 281295   | 21.173 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.716  | 45   | 407250   | 21.934 | ng/u1  | 99       |
| 16) Acetophenone              | 9.010  | 105  | 446947   | 21.838 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.987  | 70   | 220669   | 22.712 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.946  | 108  | 293879   | 20.961 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.275  | 117  | 137567   | 21.735 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.393  | 77   | 341403   | 22.330 | ng/u1  | 98       |
| 23) Isophorone                | 9.922  | 82   | 629224   | 22.846 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.116 | 139  | 148826   | 23.944 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 10.163 | 107  | 326789   | 22.037 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.410 | 93   | 418919   | 22.056 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.652 | 162  | 267087   | 22.507 | ng/u1  | 98       |
| 30) Naphthalene               | 11.063 | 128  | 1002123  | 21.712 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.169 | 127  | 382936   | 21.364 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.346 | 225  | 196661   | 21.574 | ng/u1  | 98       |
| 34) Caprolactam               | 11.934 | 113  | 66080m   | 21.700 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.275 | 107  | 281953   | 23.159 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.663 | 142  | 636774   | 21.864 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.881 | 142  | 646662   | 22.115 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.022 | 216  | 354593   | 21.393 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 13.004 | 237  | 218103   | 20.961 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.257 | 196  | 192206   | 22.822 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.328 | 196  | 220075   | 21.672 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.657 | 154  | 856984   | 21.533 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.704 | 162  | 678528   | 21.647 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.898 | 65   | 157691   | 23.029 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.269 | 163  | 806911   | 21.958 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.392 | 165  | 150252   | 22.697 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.545 | 152  | 1040934  | 21.930 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.722 | 138  | 100353   | 18.699 | ng/ul | 99       |
| 52) Acenaphthene              | 14.887 | 153  | 716061   | 21.886 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.922 | 184  | 35996    | 14.395 | ng/ul | 91       |
| 55) 4-Nitrophenol             | 15.010 | 109  | 77474    | 19.369 | ng/ul | 96       |
| 56) Dibenzofuran              | 15.216 | 168  | 995845   | 22.083 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.175 | 165  | 216857   | 23.765 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.439 | 232  | 185546   | 23.941 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.628 | 149  | 803378   | 22.418 | ng/ul | 100      |
| 61) Fluorene                  | 15.869 | 166  | 798852   | 22.158 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.857 | 204  | 403371   | 22.138 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.881 | 138  | 79931m   | 18.652 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.934 | 198  | 95648    | 21.199 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 16.069 | 169  | 671177   | 22.093 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.757 | 248  | 243955   | 21.775 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.875 | 284  | 287749   | 21.790 | ng/ul | 99       |
| 70) Atrazine                  | 17.022 | 200  | 236457   | 21.499 | ng/ul | 97       |
| 71) Pentachlorophenol         | 17.216 | 266  | 125013m  | 21.389 | ng/ul |          |
| 72) Phenanthrene              | 17.622 | 178  | 1234586  | 21.801 | ng/ul | 100      |
| 74) Anthracene                | 17.710 | 178  | 1240656  | 21.869 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.622 | 216  | 356995   | 21.049 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.140 | 250  | 350722   | 21.542 | ng/ul | 99       |
| 77) Carbazole                 | 17.975 | 167  | 1057151  | 21.847 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.510 | 149  | 1336326  | 22.261 | ng/ul | 100      |
| 80) Fluoranthene              | 19.569 | 202  | 1393363  | 21.836 | ng/ul | 99       |
| 82) Pyrene                    | 19.922 | 202  | 1488112  | 21.943 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.780 | 149  | 553702   | 21.695 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.569 | 252  | 446034   | 21.643 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 1398347  | 21.956 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 844581   | 21.830 | ng/ul | 100      |
| 87) Chrysene                  | 21.698 | 228  | 1385335  | 21.855 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.533 | 149  | 1449536  | 21.050 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.463 | 252  | 1440709  | 21.806 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.516 | 252  | 1496359  | 21.830 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.151 | 252  | 1310707  | 21.813 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.033 | 276  | 1716481  | 21.511 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.057 | 278  | 1437700  | 21.785 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.886 | 276  | 1424437  | 21.629 | ng/ul | 100      |

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

