

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050123\  
 Data File : BP014924.D  
 Acq On : 01 May 2023 20:52  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020693

Quant Time: May 02 01:00:25 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 05/02/2023  
 Supervised By :Jagrut Upadhyay 05/02/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.169  | 152  | 207643   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.005 | 136  | 832748   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.816 | 164  | 460978   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.569 | 188  | 907692   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.657 | 240  | 809271   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.257 | 264  | 875935   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.464  | 96   | 50125    | 8.700  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.905  | 84   | 331245   | 23.917 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.311  | 99   | 360316   | 22.171 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.487  | 67   | 238076   | 23.357 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.693  | 132  | 287281   | 23.347 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.875  | 113  | 276221   | 22.306 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.346  | 128  | 130303   | 21.793 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.075 | 143  | 130772   | 23.826 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.616 | 165  | 269918   | 22.897 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.140 | 131  | 350246   | 20.550 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.216 | 166  | 723500   | 21.900 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.510 | 160  | 875462   | 22.185 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.993 | 143  | 101334   | 20.614 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.804 | 176  | 629667   | 21.865 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.916 | 200  | 93923    | 24.463 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.669 | 188  | 935188   | 22.560 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.886 | 212  | 1014717  | 22.575 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.086 | 264  | 932407   | 21.552 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.499  | 88   | 55436    | 9.036  | ng/uL  | 98       |
| 5) Pyridine                   | 3.923  | 79   | 346071   | 23.826 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.293  | 77   | 111514   | 24.216 | ng/u1  | 95       |
| 8) Phenol                     | 7.334  | 94   | 390512   | 23.169 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.581  | 93   | 330515   | 22.884 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.722  | 128  | 315152   | 23.868 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.611  | 108  | 281530   | 21.562 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.699  | 45   | 433494m  | 23.756 | ng/u1  |          |
| 16) Acetophenone              | 8.999  | 105  | 477395   | 23.734 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.981  | 70   | 234196   | 24.526 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.940  | 108  | 312849   | 22.704 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.269  | 117  | 141588   | 22.762 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.387  | 77   | 350259   | 23.092 | ng/u1  | 98       |
| 23) Isophorone                | 9.916  | 82   | 654046   | 23.937 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.105 | 139  | 154435   | 25.045 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 10.158 | 107  | 337373   | 22.933 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.399 | 93   | 423201   | 22.459 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.640 | 162  | 276857   | 23.516 | ng/u1  | 99       |
| 30) Naphthalene               | 11.057 | 128  | 1013227  | 22.128 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.163 | 127  | 375046   | 21.090 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.340 | 225  | 187523   | 20.736 | ng/u1  | 99       |
| 34) Caprolactam               | 11.922 | 113  | 71539m   | 23.680 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.269 | 107  | 270181   | 22.369 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.652 | 142  | 616389   | 21.333 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.869 | 142  | 626409   | 21.593 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.016 | 216  | 330602   | 21.462 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.999 | 237  | 204933   | 21.192 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.251 | 196  | 200125   | 25.568 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.316 | 196  | 213849   | 22.660 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.651 | 154  | 836025   | 22.603 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.693 | 162  | 654234   | 22.459 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.893 | 65   | 143086   | 22.484 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.263 | 163  | 764574   | 22.388 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.381 | 165  | 131591   | 21.389 | ng/ul | 91       |
| 50) Acenaphthylene            | 14.540 | 152  | 1006966  | 22.827 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.710 | 138  | 88945    | 17.833 | ng/ul | 95       |
| 52) Acenaphthene              | 14.881 | 153  | 688125   | 22.631 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.916 | 184  | 55717    | 23.974 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 15.004 | 109  | 86908    | 23.379 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.210 | 168  | 926964   | 22.118 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 15.169 | 165  | 181816   | 21.439 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.434 | 232  | 176563   | 24.514 | ng/ul | 95       |
| 59) Diethylphthalate          | 15.622 | 149  | 751165   | 22.554 | ng/ul | 99       |
| 61) Fluorene                  | 15.863 | 166  | 762563   | 22.759 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.851 | 204  | 366635   | 21.652 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.875 | 138  | 78947m   | 19.823 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.928 | 198  | 106022   | 26.657 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 16.063 | 169  | 615151   | 22.970 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.751 | 248  | 209250   | 21.187 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.869 | 284  | 245630   | 21.100 | ng/ul | 98       |
| 70) Atrazine                  | 17.016 | 200  | 205852   | 21.232 | ng/ul | 100      |
| 71) Pentachlorophenol         | 17.216 | 266  | 134625   | 26.130 | ng/ul | 97       |
| 72) Phenanthrene              | 17.616 | 178  | 1132247  | 22.682 | ng/ul | 100      |
| 74) Anthracene                | 17.704 | 178  | 1142797  | 22.852 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.616 | 216  | 331546   | 22.176 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.134 | 250  | 314121   | 21.888 | ng/ul | 99       |
| 77) Carbazole                 | 17.969 | 167  | 939366   | 22.022 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.504 | 149  | 1182969  | 22.355 | ng/ul | 99       |
| 80) Fluoranthene              | 19.563 | 202  | 1226992  | 22.561 | ng/ul | 100      |
| 82) Pyrene                    | 19.916 | 202  | 1319143  | 22.823 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.775 | 149  | 477151   | 21.936 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.563 | 252  | 320931   | 18.272 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 1196793  | 22.048 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.539 | 149  | 700142   | 21.233 | ng/ul | 99       |
| 87) Chrysene                  | 21.692 | 228  | 1192864  | 22.080 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.527 | 149  | 1150938  | 20.260 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.451 | 252  | 1216955  | 22.327 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.510 | 252  | 1260572  | 22.292 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.145 | 252  | 1096657  | 22.123 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.021 | 276  | 1439113  | 21.862 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.045 | 278  | 1176796  | 21.615 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.874 | 276  | 1194786  | 21.991 | ng/ul | 99       |

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

