

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122321\  
 Data File : BP008530.D  
 Acq On : 23 Dec 2021 18:16  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020730

Quant Time: Dec 24 04:12:28 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP122321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 23 14:48:11 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021  
 Supervised By :mohammad ahmed 12/31/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 572607   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.710 | 136  | 2371195  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.534 | 164  | 1585008  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.281 | 188  | 3115986  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.363 | 240  | 2198428  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.792 | 264  | 2130270  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 91701    | 7.218  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 666937   | 18.760 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.064  | 99   | 826023   | 18.083 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.234  | 67   | 500594   | 19.294 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.434  | 132  | 694312   | 19.107 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 671461   | 18.323 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.058  | 128  | 318229   | 18.966 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.781  | 143  | 317440   | 20.634 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 741557   | 19.636 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.834 | 131  | 963763   | 18.488 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.946 | 166  | 2136474  | 18.243 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 2762246  | 18.864 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 323145   | 17.407 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.528 | 176  | 1815931  | 17.860 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.634 | 200  | 216761   | 15.803 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.381 | 188  | 2639853  | 17.878 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.610 | 212  | 2521523  | 19.141 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.633 | 264  | 2064708  | 18.832 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 89860m   | 6.543  | ng/uL  |          |
| 5) Pyridine                   | 3.776  | 79   | 542389   | 14.869 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.040  | 77   | 515575   | 19.801 | ng/u1  | 96       |
| 8) Phenol                     | 7.087  | 94   | 851499   | 18.142 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.322  | 93   | 668249   | 17.789 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.469  | 128  | 702571   | 18.525 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.340  | 108  | 650751   | 17.894 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 771698   | 17.834 | ng/u1  | 99       |
| 16) Acetophenone              | 8.722  | 105  | 1061004  | 18.717 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.716  | 70   | 525889   | 18.639 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.669  | 108  | 704934   | 18.106 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.993  | 117  | 274667   | 17.790 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.099  | 77   | 730123   | 18.859 | ng/u1  | 99       |
| 23) Isophorone                | 9.628  | 82   | 1425760  | 17.560 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.816  | 139  | 363940   | 20.556 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.875  | 107  | 770251   | 18.408 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93   | 900246   | 17.739 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.352 | 162  | 721450   | 19.046 | ng/u1  | 98       |
| 30) Naphthalene               | 10.758 | 128  | 2280422  | 18.169 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.857 | 127  | 994418   | 18.812 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.057 | 225  | 481663   | 18.339 | ng/u1  | 100      |
| 34) Caprolactam               | 11.610 | 113  | 214413   | 19.866 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.981 | 107  | 704010   | 18.957 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.363 | 142  | 1724639  | 19.419 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.581 | 142  | 1594069  | 17.630 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.734 | 216  | 930925   | 18.196 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.722 | 237  | 590233   | 17.239 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.969 | 196  | 580646   | 19.987 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.034 | 196  | 626571   | 19.819 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.375 | 154  | 2140496  | 17.421 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.410 | 162  | 1727219  | 18.233 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.604 | 65   | 373608   | 19.622 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.993 | 163  | 2113977  | 18.093 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.099 | 165  | 448957   | 21.617 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.257 | 152  | 2688006  | 17.940 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.428 | 138  | 445790   | 20.829 | ng/ul# | 97       |
| 52) Acenaphthene              | 14.598 | 153  | 1778912  | 18.182 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.628 | 184  | 130261   | 14.859 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.728 | 109  | 217399   | 16.844 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.934 | 168  | 2572822  | 17.984 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.887 | 165  | 565723   | 19.687 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 511936   | 20.846 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.357 | 149  | 2025353  | 17.747 | ng/ul  | 99       |
| 61) Fluorene                  | 15.581 | 166  | 2063006  | 18.100 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 1084781  | 17.942 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.587 | 138  | 425287   | 21.680 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.651 | 198  | 230542   | 15.885 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.787 | 169  | 1800113  | 18.891 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.475 | 248  | 665405   | 18.619 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.592 | 284  | 754501   | 18.134 | ng/ul  | 98       |
| 70) Atrazine                  | 16.745 | 200  | 621773   | 17.196 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.928 | 266  | 357503   | 16.810 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.322 | 178  | 3098864  | 18.057 | ng/ul  | 99       |
| 74) Anthracene                | 17.416 | 178  | 3127625  | 18.174 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.334 | 216  | 914931   | 17.309 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 887015   | 18.280 | ng/ul  | 99       |
| 77) Carbazole                 | 17.681 | 167  | 2661994  | 18.153 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.245 | 149  | 3136668  | 18.319 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.286 | 202  | 3192373  | 20.382 | ng/ul  | 98       |
| 82) Pyrene                    | 19.639 | 202  | 3213616  | 20.362 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.516 | 149  | 1054862  | 19.720 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 987292   | 21.203 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.345 | 228  | 2568835  | 18.100 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 1561302  | 19.230 | ng/ul  | 99       |
| 87) Chrysene                  | 21.398 | 228  | 2463887  | 17.980 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.222 | 149  | 2404852  | 17.728 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 2435792  | 17.255 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.098 | 252  | 2419363  | 17.758 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 2380520  | 17.617 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 2978882  | 19.991 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.345 | 278  | 2533300  | 19.593 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.098 | 276  | 2523266  | 20.488 | ng/ul  | 99       |

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

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