

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102422\  
 Data File : BP012276.D  
 Acq On : 24 Oct 2022 09:56  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020792

Quant Time: Oct 25 05:30:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 22 01:24:49 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/25/2022  
 Supervised By :mohammad ahmed 10/27/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 430929   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.622 | 136  | 2053615  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.469 | 164  | 1325031  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.234 | 188  | 2541649  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.322 | 240  | 2010458  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.727 | 264  | 2123060  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 79311    | 7.448  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.676  | 84   | 617580   | 20.128 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.993  | 99   | 799388   | 21.487 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.158  | 67   | 465375   | 20.626 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.352  | 132  | 603200   | 21.301 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.540  | 113  | 647088   | 22.380 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.993  | 128  | 318673   | 20.964 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.710  | 143  | 355424   | 21.671 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.252 | 165  | 646641   | 21.020 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.769 | 131  | 873511   | 19.985 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.887 | 166  | 1835968  | 19.919 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 2119435  | 20.145 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.687 | 143  | 294243   | 17.040 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.469 | 176  | 1547095  | 19.511 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 200  | 230937   | 15.972 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.328 | 188  | 2191567  | 19.672 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.569 | 212  | 2227881  | 19.463 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.569 | 264  | 2082370  | 19.559 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 82321    | 7.184  | ng/uL  | 98       |
| 5) Pyridine                   | 3.699  | 79   | 605820   | 20.088 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.964  | 77   | 400822   | 22.922 | ng/u1  | 98       |
| 8) Phenol                     | 7.017  | 94   | 832043   | 21.378 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.252  | 93   | 659378   | 20.990 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.381  | 128  | 643799   | 21.071 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.269  | 108  | 642974   | 21.943 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.358  | 45   | 848771   | 20.317 | ng/u1  | 98       |
| 16) Acetophenone              | 8.652  | 105  | 1004098  | 22.481 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.640  | 70   | 503426   | 22.267 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.605  | 108  | 707668   | 22.176 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.893  | 117  | 233365   | 19.336 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.034  | 77   | 739213   | 19.959 | ng/u1  | 97       |
| 23) Isophorone                | 9.563  | 82   | 1448684  | 20.379 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.746  | 139  | 387749   | 20.809 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.805  | 107  | 760393   | 20.702 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.040 | 93   | 931489   | 20.017 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.275 | 162  | 657755   | 20.661 | ng/u1  | 98       |
| 30) Naphthalene               | 10.675 | 128  | 2134322  | 19.432 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.793 | 127  | 905811   | 20.078 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.952 | 225  | 403357   | 20.144 | ng/u1  | 99       |
| 34) Caprolactam               | 11.593 | 113  | 211775m  | 21.429 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.922 | 107  | 715772   | 20.825 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.287 | 142  | 1507822  | 20.178 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.510 | 142  | 1498107  | 20.077 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 811461   | 20.155 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.628 | 237  | 340312   | 15.899 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.904 | 196  | 530196   | 20.405 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 571085   | 20.147 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.304 | 154  | 1954684  | 19.835 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.346 | 162  | 1544278  | 19.765 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.563 | 65   | 434530   | 20.919 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.934 | 163  | 1908270  | 19.758 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.057 | 165  | 396170   | 21.437 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.193 | 152  | 2320276  | 19.793 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.393 | 138  | 388593   | 19.920 | ng/ul | 96       |
| 52) Acenaphthene              | 14.534 | 153  | 1606346  | 19.376 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.604 | 184  | 217677   | 19.616 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.704 | 109  | 246120   | 19.185 | ng/ul | 92       |
| 56) Dibenzofuran              | 14.875 | 168  | 2206869  | 19.445 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.851 | 165  | 538586   | 20.420 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.104 | 232  | 464496   | 19.384 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.298 | 149  | 1887655  | 19.885 | ng/ul | 100      |
| 61) Fluorene                  | 15.528 | 166  | 1724290  | 19.177 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 895384   | 19.982 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.557 | 138  | 357491m  | 19.522 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.616 | 198  | 245980   | 16.206 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.734 | 169  | 1538787  | 20.860 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.416 | 248  | 586593   | 21.798 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.528 | 284  | 681131   | 21.472 | ng/ul | 99       |
| 70) Atrazine                  | 16.698 | 200  | 470825   | 18.283 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.881 | 266  | 328896   | 17.177 | ng/ul | 99       |
| 72) Phenanthrene              | 17.275 | 178  | 2646236  | 19.372 | ng/ul | 100      |
| 74) Anthracene                | 17.363 | 178  | 2645093  | 19.570 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.263 | 216  | 817308   | 21.550 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.793 | 250  | 867544   | 21.716 | ng/ul | 98       |
| 77) Carbazole                 | 17.639 | 167  | 2292083  | 19.215 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.187 | 149  | 3044322  | 21.275 | ng/ul | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 2773918  | 19.611 | ng/ul | 96       |
| 82) Pyrene                    | 19.598 | 202  | 2788656  | 19.270 | ng/ul | 95       |
| 83) Butylbenzylphthalate      | 20.469 | 149  | 1133244  | 20.134 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.245 | 252  | 768899   | 17.560 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.310 | 228  | 2583406  | 19.716 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.228 | 149  | 1626513  | 20.626 | ng/ul | 99       |
| 87) Chrysene                  | 21.357 | 228  | 2414102  | 19.743 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.145 | 149  | 2640367  | 17.981 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.992 | 252  | 2713976  | 19.182 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.039 | 252  | 2514203  | 18.027 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 23.616 | 252  | 2320487  | 19.179 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.221 | 276  | 2875822  | 20.532 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.239 | 278  | 2611555  | 20.682 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.986 | 276  | 2504420  | 19.043 | ng/ul | 98       |

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

