

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090823\  
 Data File : BP017041.D  
 Acq On : 09 Sep 2023 08:51  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020724

Quant Time: Sep 09 23:54:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 09 01:41:21 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/11/2023  
 Supervised By :mohammad ahmed 09/11/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.969  | 152  | 413678   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.799 | 136  | 1783020  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.628 | 164  | 1076821  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.398 | 188  | 2184778  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.498 | 240  | 1603345  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.027 | 264  | 1485668  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.328  | 96   | 94222    | 8.615  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.764  | 84   | 670687   | 21.462 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.122  | 99   | 804332   | 21.282 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.311  | 67   | 520928   | 22.036 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.493  | 132  | 591201   | 21.614 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 616042   | 21.396 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.169  | 128  | 297036   | 21.473 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.887  | 143  | 320897   | 21.400 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.410 | 165  | 586589   | 21.189 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.957 | 131  | 824755   | 20.650 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.046 | 166  | 1675123  | 20.898 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.328 | 160  | 1954385  | 21.127 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.845 | 143  | 298526   | 19.066 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.622 | 176  | 1431146  | 20.854 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 237586   | 18.070 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.498 | 188  | 2115017  | 21.080 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.733 | 212  | 2143428  | 21.948 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.863 | 264  | 1567433  | 20.796 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 100225   | 8.488  | ng/uL  | 99       |
| 5) Pyridine                   | 3.781  | 79   | 711818   | 21.397 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.128  | 77   | 462045   | 26.974 | ng/u1  | 98       |
| 8) Phenol                     | 7.146  | 94   | 844124   | 21.497 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.405  | 93   | 682129   | 21.784 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.522  | 128  | 636824   | 21.854 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.411  | 108  | 613453   | 21.299 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.505  | 45   | 1001167m | 22.709 | ng/u1  |          |
| 16) Acetophenone              | 8.822  | 105  | 1022692  | 22.011 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.793  | 70   | 555817   | 22.394 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.746  | 108  | 675908   | 21.518 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.040  | 117  | 262090   | 21.711 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.216  | 77   | 810798   | 21.952 | ng/u1  | 98       |
| 23) Isophorone                | 9.728  | 82   | 1494847  | 21.542 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.916  | 139  | 360065   | 21.810 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.957  | 107  | 726728   | 21.559 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.216 | 93   | 929482   | 21.614 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.434 | 162  | 600752   | 21.294 | ng/u1  | 97       |
| 30) Naphthalene               | 10.852 | 128  | 2043198  | 21.000 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.987 | 127  | 867108   | 20.861 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.081 | 225  | 344746   | 20.444 | ng/u1  | 99       |
| 34) Caprolactam               | 11.810 | 113  | 189924   | 20.327 | ng/u1  | 89       |
| 35) 4-Chloro-3-methylphenol   | 12.081 | 107  | 669370   | 21.650 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.451 | 142  | 1368240  | 21.281 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.675 | 142  | 1364464  | 21.079 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.799 | 216  | 659670   | 20.792 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 346590   | 16.860 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.057 | 196  | 454592   | 21.052 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.128 | 196  | 491758   | 20.930 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.463 | 154  | 1826608  | 21.430 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.510 | 162  | 1415887  | 21.157 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.746 | 65   | 453977   | 22.778 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.093 | 163  | 1774715  | 21.102 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.234 | 165  | 353531   | 21.645 | ng/ul | 96       |
| 50) Acenaphthylene            | 14.357 | 152  | 2218565  | 21.419 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.575 | 138  | 352138   | 21.603 | ng/ul | 99       |
| 52) Acenaphthene              | 14.693 | 153  | 1524411  | 21.094 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.775 | 184  | 142231   | 14.045 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.857 | 109  | 248616   | 19.839 | ng/ul | 95       |
| 56) Dibenzofuran              | 15.028 | 168  | 2089526  | 21.028 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.016 | 165  | 506547   | 21.605 | ng/ul | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.245 | 232  | 381008   | 20.113 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.445 | 149  | 1774170  | 21.110 | ng/ul | 100      |
| 61) Fluorene                  | 15.681 | 166  | 1720661  | 21.003 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.675 | 204  | 810790   | 20.479 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.740 | 138  | 303683   | 21.190 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.769 | 198  | 249424   | 18.107 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.898 | 169  | 1417350  | 21.515 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.575 | 248  | 448954   | 20.655 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.657 | 284  | 480802   | 20.179 | ng/ul | 97       |
| 70) Atrazine                  | 16.851 | 200  | 466334   | 20.675 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.022 | 266  | 278060   | 17.896 | ng/ul | 100      |
| 72) Phenanthrene              | 17.439 | 178  | 2552876  | 21.028 | ng/ul | 100      |
| 74) Anthracene                | 17.534 | 178  | 2589411  | 21.218 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 669079   | 21.499 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.922 | 250  | 630177   | 21.022 | ng/ul | 99       |
| 77) Carbazole                 | 17.816 | 167  | 2302261  | 20.993 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.328 | 149  | 2872277  | 21.378 | ng/ul | 100      |
| 80) Fluoranthene              | 19.404 | 202  | 2716761  | 22.279 | ng/ul | 99       |
| 82) Pyrene                    | 19.763 | 202  | 2808492  | 22.183 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.622 | 149  | 1179097  | 22.519 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.416 | 252  | 714661   | 20.084 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.480 | 228  | 2417414  | 21.408 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 1627776  | 22.503 | ng/ul | 100      |
| 87) Chrysene                  | 21.533 | 228  | 2241607  | 21.222 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.322 | 149  | 2585997  | 20.764 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.239 | 252  | 2157161  | 20.782 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.292 | 252  | 2024075  | 20.137 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.916 | 252  | 1809884  | 20.905 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.715 | 276  | 2123530  | 22.096 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.745 | 278  | 1758174  | 22.165 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.557 | 276  | 1678476  | 22.163 | ng/ul | 98       |

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

