

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032423\  
 Data File : BP014293.D  
 Acq On : 24 Mar 2023 16:02  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020792

Quant Time: Mar 24 22:36:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP030723.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 24 22:30:41 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/27/2023  
 Supervised By : Jagrut Upadhyay 03/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.028  | 152  | 237780   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.851 | 136  | 1098984  | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.681 | 164  | 777983   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.439 | 188  | 1860405  | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.522 | 240  | 1852013  | 20.000 | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 24.045 | 264  | 1784741  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 45605    | 7.247  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.834  | 84   | 354922   | 20.369 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.193  | 99   | 468892   | 22.346 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.358  | 67   | 286336   | 23.398 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.558  | 132  | 342425   | 21.419 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.746  | 113  | 392063   | 22.874 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.204  | 128  | 180377   | 20.570 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.934  | 143  | 217603   | 20.731 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.475 | 165  | 403728   | 20.442 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.999 | 131  | 529621   | 20.263 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 1307871  | 19.809 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.375 | 160  | 1427801  | 20.414 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.887 | 143  | 238684   | 20.514 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.669 | 176  | 1091943  | 19.514 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.798 | 200  | 247439   | 17.597 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.539 | 188  | 1798599  | 19.915 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.763 | 212  | 2170350  | 21.248 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.874 | 264  | 1922187  | 20.247 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.434  | 88   | 51421    | 7.569  | ng/uL  | 89       |
| 5) Pyridine                   | 3.852  | 79   | 359166   | 20.326 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.169  | 77   | 274653   | 26.306 | ng/u1  | 98       |
| 8) Phenol                     | 7.216  | 94   | 490280   | 22.657 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.452  | 93   | 377445   | 22.767 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.593  | 128  | 351076   | 21.796 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.481  | 108  | 365764   | 22.731 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.563  | 45   | 491543   | 27.455 | ng/u1  | 97       |
| 16) Acetophenone              | 8.863  | 105  | 629415   | 22.731 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.846  | 70   | 342644   | 24.189 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.810  | 108  | 408852   | 23.101 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.116  | 117  | 152352   | 21.596 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.252  | 77   | 500485   | 21.337 | ng/u1  | 98       |
| 23) Isophorone                | 9.775  | 82   | 982781   | 21.757 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.963  | 139  | 227544   | 21.033 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.022 | 107  | 501862   | 21.194 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.257 | 93   | 568204   | 21.746 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.499 | 162  | 390884   | 20.063 | ng/u1  | 97       |
| 30) Naphthalene               | 10.904 | 128  | 1217774  | 20.179 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.022 | 127  | 539668   | 20.519 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.181 | 225  | 272706   | 17.590 | ng/u1  | 95       |
| 34) Caprolactam               | 11.816 | 113  | 134388m  | 21.244 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.140 | 107  | 488475   | 21.683 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.504 | 142  | 849683   | 20.074 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.728 | 142  | 855672   | 20.112 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.869 | 216  | 526828   | 18.726 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.845 | 237  | 312348   | 15.504 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.116 | 196  | 353916   | 20.026 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.187 | 196  | 385516   | 19.877 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.510 | 154  | 1204702  | 20.113 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.557 | 162  | 958901   | 20.157 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.769 | 65   | 334771   | 23.794 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.134 | 163  | 1302407  | 19.929 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.257 | 165  | 273620   | 21.177 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.404 | 152  | 1513453  | 20.619 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.592 | 138  | 258228   | 22.572 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.740 | 153  | 1048250  | 20.428 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.798 | 184  | 157037   | 16.275 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 233022   | 18.541 | ng/ul  | 86       |
| 56) Dibenzofuran              | 15.075 | 168  | 1481132  | 19.841 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.045 | 165  | 408868   | 21.180 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.304 | 232  | 364294   | 19.633 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.492 | 149  | 1349617  | 20.361 | ng/ul  | 99       |
| 61) Fluorene                  | 15.728 | 166  | 1227989  | 19.845 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.716 | 204  | 651247   | 19.068 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.763 | 138  | 276856m  | 23.543 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.810 | 198  | 242375   | 18.068 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.934 | 169  | 1079398  | 20.543 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.616 | 248  | 427146   | 18.992 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.734 | 284  | 492408   | 18.579 | ng/ul  | 95       |
| 70) Atrazine                  | 16.892 | 200  | 432827   | 19.099 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.086 | 266  | 307476   | 17.749 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.481 | 178  | 2030994  | 20.016 | ng/ul  | 100      |
| 74) Anthracene                | 17.569 | 178  | 2096195  | 20.374 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.475 | 216  | 548195   | 19.200 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.992 | 250  | 555815   | 18.740 | ng/ul  | 99       |
| 77) Carbazole                 | 17.839 | 167  | 1876771  | 20.680 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.369 | 149  | 2411057  | 21.258 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.439 | 202  | 2545328  | 21.862 | ng/ul# | 96       |
| 82) Pyrene                    | 19.792 | 202  | 2625496  | 21.617 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.645 | 149  | 1142827  | 23.336 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.433 | 252  | 820977   | 17.316 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.504 | 228  | 2639339  | 20.261 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.398 | 149  | 1703748  | 23.270 | ng/ul  | 99       |
| 87) Chrysene                  | 21.563 | 228  | 2478205  | 19.962 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.363 | 149  | 2846285  | 25.274 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.268 | 252  | 2519405m | 21.185 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 2414658  | 21.293 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.933 | 252  | 2081389  | 20.122 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.686 | 276  | 2376422  | 17.355 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.709 | 278  | 1993716  | 17.518 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.504 | 276  | 1863243  | 17.024 | ng/ul  | 96       |

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

