

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052323\  
 Data File : BP015264.D  
 Acq On : 24 May 2023 04:48  
 Operator : CG/JU  
 Sample : PB152977BS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS977

Quant Time: May 24 05:27:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/24/2023  
 Supervised By : mohammad ahmed 05/24/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.116  | 152  | 216747   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.945 | 136  | 935348   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.757 | 164  | 576558   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.510 | 188  | 1278360  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.586 | 240  | 891989   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.139 | 264  | 923028   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96   | 45886    | 8.225  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.863  | 84   | 446457   | 28.234 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.269  | 99   | 863617   | 42.914 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.439  | 67   | 509325   | 43.821 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.645  | 132  | 682519   | 46.127 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.834  | 113  | 723942   | 45.145 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.298  | 128  | 347293   | 47.251 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.022 | 143  | 398279   | 48.701 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.563 | 165  | 718892   | 48.714 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.080 | 131  | 412669   | 18.900 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.163 | 166  | 2126003  | 48.797 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.451 | 160  | 2369294  | 47.549 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.957 | 143  | 372794   | 44.066 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.751 | 176  | 1727330  | 46.985 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.874 | 200  | 363627   | 45.136 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.610 | 188  | 2601599  | 44.444 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.827 | 212  | 2809843  | 54.314 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 2238920  | 48.863 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.463  | 88   | 96034    | 16.021 | ng/uL  | 93       |
| 5) Pyridine                   | 3.887  | 79   | 584759   | 35.557 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.245  | 77   | 428804   | 77.522 | ng/u1  | 98       |
| 8) Phenol                     | 7.298  | 94   | 890653   | 43.160 | ng/u1# | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.534  | 93   | 685713   | 41.533 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.675  | 128  | 676695   | 43.237 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.563  | 108  | 674743   | 42.306 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.645  | 45   | 875443   | 42.322 | ng/u1  | 99       |
| 16) Acetophenone              | 8.951  | 105  | 1044644  | 41.739 | ng/u1  | 93       |
| 17) N-Nitroso-di-n-propyla... | 8.939  | 70   | 537659   | 40.961 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.898  | 108  | 731263   | 41.657 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.210  | 117  | 271771   | 42.527 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.339  | 77   | 833540   | 45.918 | ng/u1  | 97       |
| 23) Isophorone                | 9.869  | 82   | 1591725  | 42.660 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.057 | 139  | 410296   | 45.751 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.110 | 107  | 799391   | 44.669 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.345 | 93   | 967309   | 42.608 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.592 | 162  | 691224   | 46.371 | ng/u1  | 98       |
| 30) Naphthalene               | 10.998 | 128  | 2167886  | 42.632 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.110 | 127  | 660525   | 29.434 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.275 | 225  | 436596   | 48.597 | ng/u1  | 96       |
| 34) Caprolactam               | 11.898 | 113  | 228435m  | 40.647 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.222 | 107  | 785680   | 46.679 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.598 | 142  | 1486100  | 43.373 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.816 | 142  | 1513060  | 43.974 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.957 | 216  | 827704   | 48.001 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.933 | 237  | 391309   | 35.025 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.198 | 196  | 566942   | 46.561 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.269 | 196  | 625279   | 47.362 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.592 | 154  | 2018157  | 45.115 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.639 | 162  | 1591920  | 45.568 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.845 | 65   | 505240   | 50.546 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.210 | 163  | 2043162  | 45.030 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.339 | 165  | 449016   | 49.951 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.480 | 152  | 2426486  | 43.643 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.669 | 138  | 432415   | 53.422 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.821 | 153  | 1663645  | 43.811 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.874 | 184  | 241585   | 40.477 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.969 | 109  | 314028   | 50.467 | ng/ul  | 84       |
| 56) Dibenzofuran              | 15.157 | 168  | 2352953  | 44.549 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.121 | 165  | 626553   | 48.168 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.380 | 232  | 506238   | 45.435 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.568 | 149  | 2050956  | 45.320 | ng/ul  | 99       |
| 61) Fluorene                  | 15.804 | 166  | 1843219  | 43.426 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.792 | 204  | 945192   | 45.576 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.833 | 138  | 429521   | 61.449 | ng/ul# | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.886 | 198  | 348472   | 41.911 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 16.010 | 169  | 1615770  | 42.985 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.692 | 248  | 625777   | 47.525 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.810 | 284  | 715342   | 45.972 | ng/ul  | 99       |
| 70) Atrazine                  | 16.957 | 200  | 218403   | 15.720 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.157 | 266  | 410679   | 42.193 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.551 | 178  | 2988718  | 42.934 | ng/ul  | 99       |
| 74) Anthracene                | 17.645 | 178  | 2958347  | 42.027 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.563 | 216  | 852783   | 47.050 | ng/ul  | 100      |
| 76) Pentachlorobenzene        | 15.074 | 250  | 817381   | 44.913 | ng/ul  | 99       |
| 77) Carbazole                 | 17.910 | 167  | 2605839  | 42.217 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.439 | 149  | 3512225  | 44.185 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.504 | 202  | 3355123  | 53.209 | ng/ul  | 96       |
| 82) Pyrene                    | 19.856 | 202  | 3283044  | 50.419 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.709 | 149  | 1500594  | 51.983 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.492 | 252  | 896072   | 45.741 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.568 | 228  | 2832412  | 45.924 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.468 | 149  | 2238452  | 53.862 | ng/ul  | 99       |
| 87) Chrysene                  | 21.627 | 228  | 2620905  | 44.453 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.439 | 149  | 3492363  | 55.245 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.356 | 252  | 2751797  | 47.027 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.403 | 252  | 2580426  | 45.925 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 2328285  | 45.016 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.850 | 276  | 3054707  | 45.614 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.862 | 278  | 2559492  | 46.558 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.685 | 276  | 2525758  | 46.251 | ng/ul  | 98       |

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

