

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071423\  
 Data File : BP016218.D  
 Acq On : 14 Jul 2023 10:32  
 Operator : MA/JU  
 Sample : PB153997BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS997

Quant Time: Jul 14 23:20:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 18:57:06 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
 Supervised By :mohammad ahmed 07/17/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.963  | 152  | 164528   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.775 | 136  | 798806   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.610 | 164  | 537921   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.374 | 188  | 1226908  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 1280488  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.980 | 264  | 1511963  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 24202    | 5.205  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 323725   | 27.917 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.140  | 99   | 532172   | 35.810 | ng/u1  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 323421   | 32.185 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.487  | 132  | 383593   | 35.757 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.693  | 113  | 418571   | 34.964 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 193427   | 35.099 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.875  | 143  | 223732   | 35.620 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.428 | 165  | 393545   | 36.182 | ng/u1  | -0.03    |
| 31) 4-Chloroaniline-d4        | 10.945 | 131  | 556078   | 31.896 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 1328149  | 32.368 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.304 | 160  | 1489031  | 33.113 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.933 | 143  | 344518m  | 41.141 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 1129499  | 32.891 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.786 | 200  | 229195   | 32.360 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.480 | 188  | 1800336  | 33.546 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.716 | 212  | 2215060  | 33.337 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.804 | 264  | 2530261  | 34.848 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.316  | 88   | 53807    | 10.550 | ng/uL  | 92       |
| 5) Pyridine                   | 3.752  | 79   | 339711   | 28.602 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.116  | 77   | 237831   | 25.630 | ng/u1  | 93       |
| 8) Phenol                     | 7.169  | 94   | 519843   | 32.632 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.381  | 93   | 399347   | 30.824 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.522  | 128  | 374338   | 33.631 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.422  | 108  | 380747   | 31.755 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 625730m  | 29.760 | ng/u1  |          |
| 16) Acetophenone              | 8.804  | 105  | 632774   | 32.054 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.775  | 70   | 352904   | 33.344 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.763  | 108  | 431525   | 32.912 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.022  | 117  | 153939   | 30.337 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.187  | 77   | 519798   | 32.464 | ng/u1  | 99       |
| 23) Isophorone                | 9.710  | 82   | 996993   | 31.413 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.904  | 139  | 224147   | 33.214 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.963  | 107  | 455984   | 30.726 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.193 | 93   | 598565   | 32.388 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.457 | 162  | 377815   | 33.781 | ng/u1  | 98       |
| 30) Naphthalene               | 10.822 | 128  | 1280842  | 30.554 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.975 | 127  | 430713   | 24.840 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.081 | 225  | 223752   | 29.456 | ng/u1  | 98       |
| 34) Caprolactam               | 11.798 | 113  | 138197m  | 34.132 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.110 | 107  | 460670   | 33.378 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.439 | 142  | 868257   | 30.891 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 887470   | 30.701 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 467580   | 30.520 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.757 | 237  | 114816   | 19.090 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.069 | 196  | 292846   | 30.255 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.163 | 196  | 321087   | 31.202 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 1211172  | 30.866 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.492 | 162  | 945706   | 30.676 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.733 | 65   | 334759   | 33.319 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.075 | 163  | 1264873  | 30.520 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 257579   | 32.968 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.333 | 152  | 1522208  | 29.472 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.575 | 138  | 256583   | 32.339 | ng/ul | 95       |
| 52) Acenaphthene              | 14.675 | 153  | 1066062  | 30.518 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.816 | 184  | 125300m  | 22.913 | ng/ul |          |
| 55) 4-Nitrophenol             | 14.928 | 109  | 222084m  | 34.849 | ng/ul |          |
| 56) Dibenzofuran              | 15.016 | 168  | 1473116  | 30.960 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.033 | 165  | 386245   | 33.512 | ng/ul | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 269574   | 28.865 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.428 | 149  | 1315007  | 30.512 | ng/ul | 99       |
| 61) Fluorene                  | 15.663 | 166  | 1221207  | 30.723 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.651 | 204  | 584447   | 30.402 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.745 | 138  | 246511   | 33.830 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.798 | 198  | 213718   | 28.870 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.875 | 169  | 1041254  | 32.018 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 368483   | 31.603 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.675 | 284  | 437586   | 31.164 | ng/ul | 99       |
| 70) Atrazine                  | 16.839 | 200  | 149146   | 11.566 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.045 | 266  | 173175   | 24.594 | ng/ul | 99       |
| 72) Phenanthrene              | 17.422 | 178  | 2015103  | 31.522 | ng/ul | 99       |
| 74) Anthracene                | 17.516 | 178  | 2032736  | 31.645 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 484000   | 30.050 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.933 | 250  | 1136295  | 74.738 | ng/uL | 99       |
| 77) Carbazole                 | 17.810 | 167  | 1873171  | 31.983 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.310 | 149  | 2358060  | 32.141 | ng/ul | 100      |
| 80) Fluoranthene              | 19.392 | 202  | 2469600  | 31.785 | ng/ul | 99       |
| 82) Pyrene                    | 19.745 | 202  | 2619631  | 31.579 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.592 | 149  | 1171582  | 32.747 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 911679   | 30.472 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 2637882  | 31.635 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1738992  | 32.538 | ng/ul | 99       |
| 87) Chrysene                  | 21.515 | 228  | 2583502  | 30.585 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 3119725  | 32.941 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.198 | 252  | 2819750  | 32.649 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.251 | 252  | 2881290  | 32.783 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.862 | 252  | 2566438  | 29.997 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.603 | 276  | 3249075  | 30.668 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.609 | 278  | 2690424  | 31.133 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.433 | 276  | 2577253  | 30.477 | ng/ul | 99       |

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

