

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060923\  
 Data File : BP015461.D  
 Acq On : 09 Jun 2023 21:22  
 Operator : MA/JU  
 Sample : PB153325BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS325

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/12/2023  
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 23:46:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 09 23:33:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.093  | 152  | 161680   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.922 | 136  | 735379   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.740 | 164  | 504939   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 1193392  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.575 | 240  | 1186063  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 1277902  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.411  | 96   | 27261    | 6.244  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 362817   | 31.991 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.246  | 99   | 492341   | 33.054 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.417  | 67   | 303308   | 34.096 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.622  | 132  | 383886   | 35.547 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.811  | 113  | 427753   | 34.991 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.275  | 128  | 203306   | 35.214 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.999  | 143  | 236780   | 35.913 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165  | 430481   | 35.792 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.063 | 131  | 548675   | 31.782 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.146 | 166  | 1418330  | 35.621 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.434 | 160  | 1553439  | 35.679 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.940 | 143  | 251804   | 35.314 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.728 | 176  | 1172857  | 34.930 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.857 | 200  | 263910   | 34.908 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.592 | 188  | 1904967  | 35.084 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.816 | 212  | 2345876  | 36.955 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.963 | 264  | 2363631  | 36.863 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.446  | 88   | 57142    | 12.390 | ng/uL  | 94       |
| 5) Pyridine                   | 3.870  | 79   | 379253   | 32.256 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.228  | 77   | 265663m  | 46.662 | ng/u1  |          |
| 8) Phenol                     | 7.275  | 94   | 531568   | 34.592 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.511  | 93   | 413062   | 33.998 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.652  | 128  | 397418   | 34.831 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.540  | 108  | 412583   | 34.896 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.622  | 45   | 557476   | 34.625 | ng/u1  | 99       |
| 16) Acetophenone              | 8.934  | 105  | 670104   | 34.348 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.916  | 70   | 358960   | 34.091 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.875  | 108  | 451691   | 34.722 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.181  | 117  | 168646   | 34.977 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.316  | 77   | 543601   | 35.504 | ng/u1  | 98       |
| 23) Isophorone                | 9.846  | 82   | 1052389  | 34.336 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.034 | 139  | 251073   | 35.270 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.087 | 107  | 514522   | 34.083 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.322 | 93   | 606529   | 34.038 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.569 | 162  | 428586   | 35.840 | ng/u1  | 97       |
| 30) Naphthalene               | 10.975 | 128  | 1355197  | 34.008 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.087 | 127  | 438682   | 24.558 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.252 | 225  | 278311   | 34.510 | ng/u1  | 97       |
| 34) Caprolactam               | 11.875 | 113  | 152643m  | 33.909 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.204 | 107  | 528986   | 36.510 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.575 | 142  | 963647   | 34.399 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.793 | 142  | 970144   | 34.395 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.940 | 216  | 549234   | 34.931 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.910 | 237  | 260091   | 40.355 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.175 | 196  | 375036   | 35.837 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.252 | 196  | 417085   | 36.574 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.575 | 154  | 1333179  | 34.141 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.622 | 162  | 1055439  | 34.450 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.828 | 65   | 378058   | 38.557 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.193 | 163  | 1424827  | 34.658 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.322 | 165  | 309037   | 36.691 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.463 | 152  | 1660096  | 34.431 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.651 | 138  | 307782   | 44.265 | ng/ul | 99       |
| 52) Acenaphthene              | 14.804 | 153  | 1155569  | 34.672 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.863 | 184  | 173140   | 34.172 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.957 | 109  | 252980   | 36.782 | ng/ul | 91       |
| 56) Dibenzofuran              | 15.140 | 168  | 1636334  | 34.641 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.110 | 165  | 448787   | 36.227 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.363 | 232  | 365548   | 35.502 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.551 | 149  | 1498127  | 35.556 | ng/ul | 99       |
| 61) Fluorene                  | 15.787 | 166  | 1336869  | 34.717 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.775 | 204  | 670248   | 34.536 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.816 | 138  | 328001   | 49.733 | ng/ul | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.875 | 198  | 263098   | 34.121 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.993 | 169  | 1167555  | 34.485 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.675 | 248  | 446276   | 34.954 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.793 | 284  | 524295   | 34.813 | ng/ul | 94       |
| 70) Atrazine                  | 16.945 | 200  | 208279   | 15.405 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.140 | 266  | 315057   | 37.012 | ng/ul | 99       |
| 72) Phenanthrene              | 17.540 | 178  | 2249847  | 35.131 | ng/ul | 100      |
| 74) Anthracene                | 17.628 | 178  | 2247697  | 34.591 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.540 | 216  | 573645   | 34.829 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.057 | 250  | 571409   | 33.135 | ng/ul | 98       |
| 77) Carbazole                 | 17.898 | 167  | 2091069  | 35.739 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.428 | 149  | 2710144  | 36.508 | ng/ul | 100      |
| 80) Fluoranthene              | 19.492 | 202  | 2820048  | 36.470 | ng/ul | 98       |
| 82) Pyrene                    | 19.845 | 202  | 2883411  | 36.043 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 1349589  | 38.169 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 1052890  | 37.575 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.557 | 228  | 2953036  | 35.615 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.451 | 149  | 2051297  | 39.250 | ng/ul | 100      |
| 87) Chrysene                  | 21.616 | 228  | 2776990  | 35.433 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.422 | 149  | 3621463  | 43.119 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 3103057  | 37.618 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 2858983  | 35.855 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.016 | 252  | 2563083  | 35.639 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.833 | 276  | 3049512  | 32.764 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.845 | 278  | 2515618  | 33.176 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.663 | 276  | 2464221  | 32.127 | ng/ul | 100      |

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

