

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020325\  
 Data File : BP023881.D  
 Acq On : 03 Feb 2025 15:54  
 Operator : RC/JU  
 Sample : Q1247-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A6335MS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025  
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 07:38:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 11:19:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 360163   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.546 | 136  | 1522441  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.398 | 164  | 946994   | 20.000 | ng/u1  | 0.01     |
| 64) Phenanthrene-d10          | 17.204 | 188  | 1821958  | 20.000 | ng/u1  | 0.02     |
| 79) Chrysene-d12              | 21.639 | 240  | 1952966  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.004 | 264  | 1944594  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.293  | 96   | 20314    | 2.343  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 142481   | 5.696  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.958  | 99   | 255560   | 8.018  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.111  | 67   | 440229   | 26.094 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 610768   | 24.402 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.481  | 113  | 453824   | 17.430 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.916  | 128  | 308366   | 25.316 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.634  | 143  | 319139   | 24.282 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.175 | 165  | 652234   | 27.051 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.681 | 131  | 442442   | 12.270 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.798 | 166  | 1917553  | 27.147 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.087 | 160  | 2128117  | 26.712 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143  | 125573   | 8.952  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.410 | 176  | 1640923  | 27.586 | ng/u1  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 200  | 277057   | 24.649 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.298 | 188  | 2567898  | 28.705 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.663 | 212  | 3059332  | 29.236 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.780 | 264  | 2935523  | 28.933 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.328  | 88   | 46882    | 5.143  | ng/uL  | 97       |
| 5) Pyridine                   | 3.728  | 79   | 161225   | 6.438  | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.922  | 77   | 339030   | 21.672 | ng/u1  | 99       |
| 8) Phenol                     | 6.987  | 94   | 377118   | 11.523 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.205  | 93   | 651805   | 26.162 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.352  | 128  | 656426   | 25.457 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.222  | 108  | 524374   | 21.294 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.293  | 45   | 653085   | 25.409 | ng/u1  | 98       |
| 16) Acetophenone              | 8.587  | 105  | 1049080  | 26.357 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.569  | 70   | 494723   | 26.395 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.546  | 108  | 528666   | 19.349 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.846  | 117  | 197740   | 19.394 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.963  | 77   | 722352   | 27.327 | ng/u1  | 98       |
| 23) Isophorone                | 9.487  | 82   | 1411784  | 26.452 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.669  | 139  | 367305   | 25.622 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.734  | 107  | 690143   | 26.010 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.963  | 93   | 876435   | 26.362 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.205 | 162  | 682872   | 27.929 | ng/u1  | 97       |
| 30) Naphthalene               | 10.599 | 128  | 2056818  | 25.239 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.705 | 127  | 338051   | 9.934  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.887 | 225  | 331049   | 22.365 | ng/u1  | 99       |
| 34) Caprolactam               | 11.481 | 113  | 35231    | 3.719  | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 11.834 | 107  | 729802   | 27.766 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.210 | 142  | 1471226  | 25.676 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.422 | 142  | 1487125  | 26.162 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.581 | 216  | 759784   | 27.139 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.563 | 237  | 270694   | 17.159 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.822 | 196  | 516177   | 27.602 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.899 | 196  | 592587   | 29.399 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.228 | 154  | 1984862  | 28.236 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.263 | 162  | 1531040  | 27.953 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.469 | 65   | 432398   | 30.332 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.851 | 163  | 1971010  | 28.044 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.969 | 165  | 387169   | 28.189 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.116 | 152  | 2409173  | 28.396 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.304 | 138  | 381100   | 25.247 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.463 | 153  | 1707433  | 28.385 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.504 | 184  | 177326   | 21.656 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.634 | 109  | 104012   | 10.480 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.804 | 168  | 2391598  | 28.693 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.757 | 165  | 579470   | 28.364 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.034 | 232  | 477342   | 27.830 | ng/ul# | 90       |
| 59) Diethylphthalate          | 15.245 | 149  | 2019879  | 28.686 | ng/ul  | 100      |
| 61) Fluorene                  | 15.469 | 166  | 2060079  | 29.793 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.463 | 204  | 985859   | 28.802 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.481 | 138  | 497028   | 33.844 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 323270   | 26.160 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.681 | 169  | 1569865  | 28.232 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.375 | 248  | 590823   | 28.743 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.492 | 284  | 708627   | 28.452 | ng/ul  | 97       |
| 70) Atrazine                  | 16.651 | 200  | 542100   | 25.175 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.851 | 266  | 418139   | 27.294 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.251 | 178  | 3170000  | 30.809 | ng/ul  | 100      |
| 74) Anthracene                | 17.334 | 178  | 3121968  | 30.088 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.187 | 216  | 739321   | 27.711 | ng/ul  | 100      |
| 76) Pentachlorobenzene        | 14.722 | 250  | 804049   | 27.965 | ng/ul  | 100      |
| 77) Carbazole                 | 17.610 | 167  | 3019105  | 33.212 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 3452854  | 30.689 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.322 | 202  | 3653672  | 30.312 | ng/ul  | 99       |
| 82) Pyrene                    | 19.692 | 202  | 4070456  | 32.293 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.657 | 149  | 1541065  | 28.391 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.545 | 252  | 211076   | 4.995  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.622 | 228  | 3806936  | 29.644 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.563 | 149  | 2218476  | 28.011 | ng/ul  | 98       |
| 87) Chrysene                  | 21.680 | 228  | 3653439  | 30.874 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.851 | 149  | 3610177  | 30.970 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.945 | 252  | 3751686  | 31.796 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 24.016 | 252  | 3795184  | 32.084 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.845 | 252  | 3462606  | 31.424 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.857 | 276  | 4490671m | 31.441 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.921 | 278  | 3656559  | 31.559 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.009 | 276  | 3419285m | 31.254 | ng/ul  |          |

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

