

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101123\  
 Data File : BP017649.D  
 Acq On : 11 Oct 2023 16:20  
 Operator : MA/JU  
 Sample : PB156277BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS277

Quant Time: Oct 12 02:59:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100923.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 04:45:41 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/12/2023  
 Supervised By :mohammad ahmed 10/13/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 83738    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.757 | 136  | 351058   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.622 | 164  | 243470   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.410 | 188  | 569825   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 630652   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.121 | 264  | 696855   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 14894    | 7.216  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 209489   | 36.055 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.075  | 99   | 275441   | 38.896 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.263  | 67   | 169292   | 38.547 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.440  | 132  | 221677   | 39.796 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.646  | 113  | 221842   | 38.892 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.134  | 128  | 106907   | 39.521 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.846  | 143  | 118537   | 39.899 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 234619   | 40.661 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.934 | 131  | 302773   | 36.842 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.034 | 166  | 764428   | 39.544 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.316 | 160  | 826768   | 39.283 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.857 | 143  | 113117   | 38.608 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.622 | 176  | 672205   | 39.762 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.769 | 200  | 138006   | 40.831 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.510 | 188  | 1110635  | 40.613 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.769 | 212  | 1417524  | 39.405 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.957 | 264  | 1510862  | 41.820 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 34679    | 15.796 | ng/uL  | 98       |
| 5) Pyridine                   | 3.734  | 79   | 205122   | 34.111 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.081  | 77   | 148127   | 42.651 | ng/u1  | 95       |
| 8) Phenol                     | 7.104  | 94   | 279985   | 39.018 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.363  | 93   | 226806   | 39.306 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.475  | 128  | 228605   | 40.193 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.375  | 108  | 208157   | 39.081 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 287827m  | 38.079 | ng/u1  |          |
| 16) Acetophenone              | 8.781  | 105  | 358106   | 39.970 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.746  | 70   | 184636   | 40.788 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.710  | 108  | 232294   | 39.956 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.987  | 117  | 101819   | 40.643 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.175  | 77   | 286645   | 40.191 | ng/u1  | 99       |
| 23) Isophorone                | 9.687  | 82   | 500264   | 40.064 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.881  | 139  | 132598   | 41.382 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 250351   | 38.243 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.181 | 93   | 306964   | 39.501 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.404 | 162  | 233023   | 40.868 | ng/u1  | 99       |
| 30) Naphthalene               | 10.810 | 128  | 762658   | 39.028 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.957 | 127  | 274814   | 34.395 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.034 | 225  | 176791   | 40.838 | ng/u1  | 97       |
| 34) Caprolactam               | 11.787 | 113  | 62287    | 36.957 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.069 | 107  | 245912   | 41.232 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 532626   | 39.934 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.645 | 142  | 532462   | 38.725 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 323395   | 38.742 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.722 | 237  | 144972   | 34.464 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.039 | 196  | 205108   | 40.038 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.116 | 196  | 214427   | 39.702 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 734494   | 38.419 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.492 | 162  | 587137   | 38.214 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.739 | 65   | 168932   | 41.962 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.081 | 163  | 777992   | 40.066 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.234 | 165  | 147547   | 41.749 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.345 | 152  | 964727   | 39.813 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.581 | 138  | 138496   | 42.245 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.686 | 153  | 641623   | 39.142 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.786 | 184  | 67882    | 30.685 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.875 | 109  | 116569   | 43.461 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.022 | 168  | 932244   | 39.644 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.028 | 165  | 231542   | 43.390 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.245 | 232  | 206948   | 42.153 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.445 | 149  | 804542   | 41.371 | ng/ul  | 99       |
| 61) Fluorene                  | 15.681 | 166  | 770649   | 39.931 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.675 | 204  | 407787   | 39.746 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.757 | 138  | 145391   | 47.400 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.781 | 198  | 151738   | 42.077 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.904 | 169  | 657876   | 40.957 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.580 | 248  | 264910   | 41.044 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.663 | 284  | 315489   | 41.038 | ng/ul  | 97       |
| 70) Atrazine                  | 16.869 | 200  | 227380   | 36.370 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.033 | 266  | 176924   | 39.464 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.451 | 178  | 1295858  | 40.670 | ng/ul  | 100      |
| 74) Anthracene                | 17.545 | 178  | 1313887  | 40.826 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.398 | 216  | 318755   | 37.204 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.916 | 250  | 321705   | 36.831 | ng/uL  | 100      |
| 77) Carbazole                 | 17.839 | 167  | 1182414  | 41.638 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.351 | 149  | 1387553  | 42.472 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.433 | 202  | 1646589  | 39.483 | ng/ul  | 99       |
| 82) Pyrene                    | 19.792 | 202  | 1737233  | 39.456 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.669 | 149  | 639907   | 41.126 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 540774   | 40.878 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 1884274  | 41.253 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 915983   | 41.804 | ng/ul  | 99       |
| 87) Chrysene                  | 21.592 | 228  | 1742970  | 40.833 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.398 | 149  | 1569587  | 38.019 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 1903527  | 42.233 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 1859465  | 40.936 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.009 | 252  | 1768611  | 42.182 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.856 | 276  | 2110142  | 42.098 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.886 | 278  | 1749447  | 42.619 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.715 | 276  | 1736898  | 42.520 | ng/ul  | 97       |

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

