

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017982.D  
 Acq On : 09 Nov 2023 03:03  
 Operator : MA/JU  
 Sample : PB156653BS  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS653

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/09/2023  
 Supervised By :mohammad ahmed 11/11/2023

Quant Time: Nov 09 03:42:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 07 03:40:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.851  | 152  | 87054    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.669 | 136  | 359441   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.516 | 164  | 221168   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 478193   | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.410 | 240  | 428473   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.886 | 264  | 451757   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.246  | 96   | 16934    | 7.445  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 226362   | 35.859 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 321594   | 39.394 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.204  | 67   | 189742   | 38.530 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 248999   | 39.694 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 259638   | 38.480 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 124736   | 43.425 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.763  | 143  | 143252   | 43.299 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.287 | 165  | 259130   | 42.724 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.839 | 131  | 320257   | 36.437 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.939 | 166  | 770409   | 39.726 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 856680   | 40.258 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 127303   | 42.694 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.516 | 176  | 632055   | 38.939 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.669 | 200  | 132922   | 38.010 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.392 | 188  | 988356   | 39.752 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.639 | 212  | 1151127  | 42.322 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 1067356  | 42.285 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.281  | 88   | 35322    | 14.222 | ng/uL  | 93       |
| 5) Pyridine                   | 3.693  | 79   | 224215   | 34.162 | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.022  | 77   | 168950   | 37.209 | ng/u1  | 96       |
| 8) Phenol                     | 7.046  | 94   | 322596   | 40.170 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.298  | 93   | 255349   | 39.701 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.410  | 128  | 257442   | 41.326 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.304  | 108  | 244729   | 39.639 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.363  | 45   | 295662m  | 39.929 | ng/u1  |          |
| 16) Acetophenone              | 8.710  | 105  | 411352   | 37.988 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 222547   | 39.271 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.640  | 108  | 263383   | 39.656 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.904  | 117  | 120379   | 38.684 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.098  | 77   | 340431   | 43.455 | ng/u1  | 100      |
| 23) Isophorone                | 9.604  | 82   | 614328   | 43.121 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.798  | 139  | 151804   | 44.337 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.840  | 107  | 278308   | 38.488 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.092 | 93   | 348646   | 44.488 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.316 | 162  | 253197   | 43.166 | ng/u1  | 96       |
| 30) Naphthalene               | 10.716 | 128  | 839243   | 40.229 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 288577   | 34.188 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 178168   | 36.507 | ng/u1  | 97       |
| 34) Caprolactam               | 11.704 | 113  | 81798m   | 43.757 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.975 | 107  | 290787   | 42.823 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.328 | 142  | 569238   | 39.990 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.551 | 142  | 565661   | 38.465 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 308154   | 40.224 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.622 | 237  | 136215   | 33.388 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.945 | 196  | 208424   | 43.035 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.022 | 196  | 222816   | 44.676 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.345 | 154  | 753661   | 41.786 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.392 | 162  | 600600   | 41.800 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.645 | 65   | 204997   | 47.649 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.986 | 163  | 777363   | 40.646 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.139 | 165  | 164116   | 43.234 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.245 | 152  | 997497   | 41.880 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.480 | 138  | 155444   | 43.472 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.580 | 153  | 646984   | 40.986 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.692 | 184  | 81180    | 36.333 | ng/ul# | 84       |
| 55) 4-Nitrophenol             | 14.780 | 109  | 165303   | 42.730 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.922 | 168  | 892259   | 40.920 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 246113   | 43.386 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.139 | 232  | 185573   | 39.929 | ng/ul# | 92       |
| 59) Diethylphthalate          | 15.339 | 149  | 822422   | 41.271 | ng/ul  | 99       |
| 61) Fluorene                  | 15.575 | 166  | 752033   | 40.733 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204  | 377686   | 39.530 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.657 | 138  | 161167   | 47.643 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.680 | 198  | 142573   | 39.026 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.792 | 169  | 617187   | 41.935 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.463 | 248  | 220426   | 39.146 | ng/ul# | 91       |
| 69) Hexachlorobenzene         | 16.545 | 284  | 248741   | 38.486 | ng/ul# | 90       |
| 70) Atrazine                  | 16.751 | 200  | 197231   | 35.088 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.922 | 266  | 147133   | 37.478 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.333 | 178  | 1174170  | 41.760 | ng/ul  | 98       |
| 74) Anthracene                | 17.427 | 178  | 1191048  | 41.673 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216  | 304009   | 40.565 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 275289   | 36.811 | ng/uL  | 98       |
| 77) Carbazole                 | 17.721 | 167  | 1067036  | 41.868 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.227 | 149  | 1406728  | 44.360 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.310 | 202  | 1399705  | 44.095 | ng/ul  | 99       |
| 82) Pyrene                    | 19.668 | 202  | 1450183  | 43.800 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 657059   | 45.107 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 416728   | 38.907 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 1420861  | 43.060 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 942714   | 44.692 | ng/ul  | 99       |
| 87) Chrysene                  | 21.451 | 228  | 1306669  | 42.703 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.221 | 149  | 1614915  | 42.326 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.121 | 252  | 1359435  | 43.599 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.168 | 252  | 1323105  | 42.315 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.780 | 252  | 1274516  | 43.970 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.527 | 276  | 1532315  | 44.385 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.550 | 278  | 1270905  | 44.254 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.344 | 276  | 1216030  | 44.244 | ng/ul  | 99       |

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

