

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081122\  
 Data File : BP011425.D  
 Acq On : 12 Aug 2022 15:14  
 Operator : CG/JU  
 Sample : PB146917BS  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS917

Quant Time: Aug 12 17:40:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP080822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 11 23:05:53 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2022  
 Supervised By :Sohil Jodhani 08/13/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 97125    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.363 | 136  | 429926   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.251 | 164  | 264823   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.028 | 188  | 562912m  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.157 | 240  | 557370   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.468 | 264  | 555265   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.081  | 96   | 17372    | 5.483  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.487  | 84   | 214755   | 26.872 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.758  | 99   | 264559   | 30.779 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.922  | 67   | 175489   | 28.795 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.110  | 132  | 214613   | 31.822 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.299  | 113  | 213375   | 31.616 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.740  | 128  | 102286   | 34.958 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.457  | 143  | 105514   | 39.388 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.993  | 165  | 190712   | 35.253 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.516 | 131  | 273679   | 28.937 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.675 | 166  | 630367   | 34.306 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.940 | 160  | 742735   | 33.580 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.481 | 143  | 116688   | 34.769 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.257 | 176  | 520053   | 33.095 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.392 | 200  | 94513m   | 36.147 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.122 | 188  | 813107   | 32.136 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.386 | 212  | 942906   | 30.706 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.316 | 264  | 924775   | 33.025 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.111  | 88   | 36960    | 10.983 | ng/uL# | 81       |
| 5) Pyridine                   | 3.505  | 79   | 218774   | 26.281 | ng/u1# | 81       |
| 6) Benzaldehyde               | 6.728  | 77   | 159860   | 42.676 | ng/u1  | 98       |
| 8) Phenol                     | 6.787  | 94   | 268658   | 28.876 | ng/u1# | 88       |
| 10) Bis(2-Chloroethyl)ether   | 7.016  | 93   | 213592   | 28.506 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.140  | 128  | 220091   | 31.319 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.028  | 108  | 199155   | 29.722 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.116  | 45   | 323530   | 28.788 | ng/u1  | 96       |
| 16) Acetophenone              | 8.405  | 105  | 349132   | 31.974 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.399  | 70   | 184342   | 34.270 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.363  | 108  | 216533   | 30.149 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.640  | 117  | 100522   | 33.877 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.781  | 77   | 273693   | 33.414 | ng/u1  | 98       |
| 23) Isophorone                | 9.310  | 82   | 503365   | 33.502 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.487  | 139  | 115561   | 37.015 | ng/u1# | 80       |
| 26) 2,4-Dimethylphenol        | 9.557  | 107  | 259729   | 32.925 | ng/u1  | 92       |
| 27) Bis(2-Chloroethoxy)met... | 9.799  | 93   | 292228   | 30.435 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.022 | 162  | 188912   | 33.393 | ng/u1  | 98       |
| 30) Naphthalene               | 10.416 | 128  | 706774   | 30.216 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.540 | 127  | 254115   | 26.805 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.699 | 225  | 120594   | 34.747 | ng/u1  | 98       |
| 34) Caprolactam               | 11.346 | 113  | 67088m   | 35.462 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.687 | 107  | 242880   | 36.515 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.046 | 142  | 467412   | 32.238 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.263 | 142  | 472420   | 32.123 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 209853   | 30.100 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.387 | 237  | 113989   | 30.511 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.669 | 196  | 141576   | 33.562 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.740 | 196  | 149278   | 33.156 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.075 | 154  | 605233   | 29.104 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.116 | 162  | 462019   | 29.612 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.340 | 65   | 174138   | 43.944 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.722 | 163  | 623671   | 33.511 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.845 | 165  | 120225   | 41.315 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.969 | 152  | 797564   | 31.281 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.175 | 138  | 132145   | 41.282 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.316 | 153  | 525940   | 30.929 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.387 | 184  | 57826    | 33.493 | ng/ul# | 81       |
| 55) 4-Nitrophenol             | 14.498 | 109  | 129771   | 41.682 | ng/ul# | 71       |
| 56) Dibenzofuran              | 14.657 | 168  | 718747   | 31.178 | ng/ul  | 91       |
| 57) 2,4-Dinitrotoluene        | 14.640 | 165  | 182189   | 40.847 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.887 | 232  | 128064   | 36.564 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.104 | 149  | 715459   | 37.109 | ng/ul  | 97       |
| 61) Fluorene                  | 15.310 | 166  | 605473   | 32.340 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.316 | 204  | 269591   | 32.942 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.351 | 138  | 147936m  | 47.494 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.404 | 198  | 94543m   | 35.116 | ng/ul  |          |
| 67) N-Nitrosodiphenylamine    | 15.534 | 169  | 519695   | 31.330 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.216 | 248  | 158973   | 31.914 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.316 | 284  | 185865   | 31.938 | ng/ul  | 94       |
| 70) Atrazine                  | 16.510 | 200  | 156541   | 28.313 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.675 | 266  | 111778   | 33.086 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.069 | 178  | 964861m  | 30.568 | ng/ul  |          |
| 74) Anthracene                | 17.163 | 178  | 979115   | 31.159 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.034 | 216  | 209673   | 25.946 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.569 | 250  | 208402   | 29.612 | ng/uL  | 99       |
| 77) Carbazole                 | 17.445 | 167  | 911631   | 31.047 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.016 | 149  | 1261124  | 39.278 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.063 | 202  | 1138175  | 30.452 | ng/ul  | 94       |
| 82) Pyrene                    | 19.416 | 202  | 1172868  | 29.730 | ng/ul  | 94       |
| 83) Butylbenzylphthalate      | 20.316 | 149  | 580738   | 46.194 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.086 | 252  | 361371   | 35.625 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.145 | 228  | 1117927  | 31.263 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.086 | 149  | 872760   | 43.245 | ng/ul  | 98       |
| 87) Chrysene                  | 21.198 | 228  | 1105241  | 31.223 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.986 | 149  | 1469964  | 38.155 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.768 | 252  | 1131597  | 30.964 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.816 | 252  | 1114609  | 31.172 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.368 | 252  | 1122528  | 31.847 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.851 | 276  | 1242155  | 31.878 | ng/ul  | 94       |
| 95) Dibenzo(a,h)anthracene    | 25.868 | 278  | 1061207  | 32.022 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 26.580 | 276  | 1048988  | 31.903 | ng/ul  | 94       |

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

