

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081021\  
 Data File : BP006620.D  
 Acq On : 10 Aug 2021 12:51  
 Operator : CG/JU  
 Sample : SST02010  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST020610

Manual Integrations  
 APPROVED

mohammad  
 8/11/2021 9:27:33 PM

Quant Time: Aug 10 13:23:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP081021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 10 13:23:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 146174   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.505 | 136  | 652878   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.363 | 164  | 389669   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.116 | 188  | 776535   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.216 | 240  | 755276   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.533 | 264  | 793560   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 38504    | 9.833  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 269661   | 23.196 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.899  | 99   | 309096   | 22.515 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.069  | 67   | 195468   | 22.883 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.258  | 132  | 237963   | 23.331 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.440  | 113  | 247448   | 22.920 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 122997   | 25.301 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.599  | 143  | 128812   | 27.751 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.134 | 165  | 219902   | 24.176 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.652 | 131  | 352771   | 23.558 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.781 | 166  | 670307   | 24.169 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 808035   | 23.715 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.575 | 143  | 136026   | 24.702 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.357 | 176  | 545148   | 23.382 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.487 | 200  | 104507   | 24.141 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 821108   | 23.424 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 880511   | 22.666 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.380 | 264  | 968901   | 24.026 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 40270    | 9.740  | ng/uL  | 100      |
| 5) Pyridine                   | 3.652  | 79   | 271786   | 22.418 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.869  | 77   | 142286   | 18.996 | ng/u1  | 100      |
| 8) Phenol                     | 6.928  | 94   | 318594   | 22.703 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.158  | 93   | 256000   | 23.192 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.287  | 128  | 245189   | 23.712 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.169  | 108  | 235831   | 23.030 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.258  | 45   | 299740m  | 24.306 | ng/u1  |          |
| 16) Acetophenone              | 8.546  | 105  | 402532   | 24.246 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.534  | 70   | 223004   | 25.676 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.499  | 108  | 260294   | 23.671 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.787  | 117  | 108602   | 25.676 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.922  | 77   | 333105   | 26.410 | ng/u1  | 100      |
| 23) Isophorone                | 9.452  | 82   | 630606   | 27.967 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.628  | 139  | 139262   | 27.207 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.699  | 107  | 299954   | 24.710 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.934  | 93   | 365778   | 25.261 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.158 | 162  | 216728   | 24.286 | ng/u1  | 100      |
| 30) Naphthalene               | 10.558 | 128  | 817123   | 24.123 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.675 | 127  | 343153   | 23.262 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.840 | 225  | 129009   | 23.697 | ng/u1  | 100      |
| 34) Caprolactam               | 11.463 | 113  | 86870    | 28.191 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.805 | 107  | 282780   | 26.544 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.175 | 142  | 556099   | 23.959 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.393 | 142  | 535159   | 22.906 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.546 | 216  | 239184   | 22.777 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.516 | 237  | 143138   | 20.953 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.793 | 196  | 164853   | 25.334 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.857 | 196  | 173173   | 24.323 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.193 | 154  | 691359   | 23.668 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.234 | 162  | 531969   | 24.121 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.446 | 65   | 190762   | 29.281 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.828 | 163  | 692370   | 25.434 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.951 | 165  | 137418   | 27.612 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.081 | 152  | 840244   | 25.323 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.275 | 138  | 127989   | 21.949 | ng/ul | 100      |
| 52) Acenaphthene              | 14.422 | 153  | 598157   | 24.570 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.487 | 184  | 75642    | 25.627 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.593 | 109  | 124203   | 27.885 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.763 | 168  | 783997   | 24.013 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.740 | 165  | 201248   | 28.297 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.993 | 232  | 145744   | 26.250 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.198 | 149  | 731966   | 25.960 | ng/ul | 100      |
| 61) Fluorene                  | 15.416 | 166  | 657677   | 24.489 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.416 | 204  | 297388   | 23.752 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.440 | 138  | 124586   | 21.753 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.498 | 198  | 114943   | 27.161 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.628 | 169  | 545683   | 23.655 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.310 | 248  | 178039   | 28.629 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.416 | 284  | 199289   | 23.895 | ng/ul | 100      |
| 70) Atrazine                  | 16.593 | 200  | 194165   | 24.322 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.769 | 266  | 120177   | 22.921 | ng/ul | 100      |
| 72) Phenanthrene              | 17.157 | 178  | 1021861  | 24.506 | ng/ul | 100      |
| 74) Anthracene                | 17.251 | 178  | 1036207  | 24.508 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.152 | 216  | 235781   | 22.151 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.681 | 250  | 232942   | 22.448 | ng/ul | 100      |
| 77) Carbazole                 | 17.528 | 167  | 930747   | 24.065 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.092 | 149  | 1248251  | 27.004 | ng/ul | 100      |
| 80) Fluoranthene              | 19.134 | 202  | 1153382  | 24.095 | ng/ul | 100      |
| 82) Pyrene                    | 19.492 | 202  | 1194265  | 24.043 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.381 | 149  | 596205   | 29.253 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.139 | 252  | 369865   | 22.226 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.204 | 228  | 1123879  | 24.014 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.145 | 149  | 903337   | 28.309 | ng/ul | 100      |
| 87) Chrysene                  | 21.251 | 228  | 1097639  | 24.468 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.045 | 149  | 1559381  | 28.198 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.827 | 252  | 1174738  | 23.306 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 22.875 | 252  | 1160615  | 24.261 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.433 | 252  | 1084053  | 24.605 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.927 | 276  | 1403282  | 24.882 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 25.945 | 278  | 1187437  | 24.859 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 26.657 | 276  | 1171342  | 25.138 | ng/ul | 100      |

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

