

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041122\  
 Data File : BP009783.D  
 Acq On : 12 Apr 2022 15:18  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020745

Quant Time: Apr 13 02:20:59 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 13 02:15:22 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/13/2022  
 Supervised By :Yogesh Patel 04/13/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.969  | 152  | 119387   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.775 | 136  | 549658   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.598 | 164  | 400421   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 905606   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.427 | 240  | 1000234  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.898 | 264  | 1013193  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.387  | 96   | 20819m   | 7.783  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.805  | 84   | 143708   | 19.484 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.122  | 99   | 199653   | 19.048 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.293  | 67   | 124377   | 19.932 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 155396   | 19.655 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.669  | 113  | 170030   | 19.432 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.122  | 128  | 83099    | 20.965 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.851  | 143  | 89063    | 20.495 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.387 | 165  | 177976   | 19.572 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.904 | 131  | 241262   | 18.628 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.004 | 166  | 599483   | 19.059 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.292 | 160  | 725291   | 19.464 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 109223   | 19.148 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.592 | 176  | 514475   | 19.444 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 200  | 98926    | 18.440 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.451 | 188  | 847470   | 19.545 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.674 | 212  | 1035913  | 18.963 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.733 | 264  | 1028818  | 19.499 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.422  | 88   | 20931    | 7.675  | ng/uL# | 21       |
| 5) Pyridine                   | 3.822  | 79   | 153120   | 19.898 | ng/u1# | 39       |
| 6) Benzaldehyde               | 7.099  | 77   | 140589   | 21.871 | ng/u1  | 97       |
| 8) Phenol                     | 7.146  | 94   | 202695   | 19.320 | ng/u1# | 87       |
| 10) Bis(2-Chloroethyl)ether   | 7.387  | 93   | 161639   | 19.779 | ng/u1# | 76       |
| 12) 2-Chlorophenol            | 7.528  | 128  | 158175   | 19.844 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.404  | 108  | 157911   | 19.302 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.499  | 45   | 249646   | 20.666 | ng/u1# | 84       |
| 16) Acetophenone              | 8.787  | 105  | 275331   | 19.972 | ng/u1# | 77       |
| 17) N-Nitroso-di-n-propyla... | 8.775  | 70   | 143891   | 20.133 | ng/u1# | 71       |
| 18) 4-Methylphenol            | 8.734  | 108  | 171953   | 19.409 | ng/u1  | 94       |
| 19) Hexachloroethane          | 9.057  | 117  | 68187    | 20.261 | ng/u1# | 78       |
| 22) Nitrobenzene              | 9.169  | 77   | 213763m  | 21.011 | ng/u1  |          |
| 23) Isophorone                | 9.699  | 82   | 401670   | 19.159 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.881  | 139  | 96510    | 20.823 | ng/u1# | 87       |
| 26) 2,4-Dimethylphenol        | 9.940  | 107  | 213208   | 19.384 | ng/u1# | 79       |
| 27) Bis(2-Chloroethoxy)met... | 10.181 | 93   | 236055   | 19.178 | ng/u1# | 96       |
| 29) 2,4-Dichlorophenol        | 10.416 | 162  | 173079   | 19.632 | ng/u1# | 83       |
| 30) Naphthalene               | 10.828 | 128  | 548353   | 19.398 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.928 | 127  | 239066   | 18.652 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.122 | 225  | 124635   | 19.629 | ng/u1  | 99       |
| 34) Caprolactam               | 11.693 | 113  | 58607m   | 20.102 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.045 | 107  | 210653   | 19.720 | ng/u1# | 71       |
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 404014   | 19.563 | ng/u1  | 91       |

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Instrument :  
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 ClientSampleId :  
 SSTD020745

Manual Integrations  
 APPROVED

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 Supervised By :Yogesh Patel 04/13/2022

Quant Time: Apr 13 02:20:59 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 13 02:15:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.645 | 142  | 406663   | 19.502 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 237579   | 19.393 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.787 | 237  | 142588   | 16.772 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.034 | 196  | 153246   | 19.587 | ng/ul# | 83       |
| 42) 2,4,5-Trichlorophenol     | 13.098 | 196  | 169918   | 20.097 | ng/ul# | 87       |
| 43) 1,1'-Biphenyl             | 13.434 | 154  | 560461   | 19.183 | ng/ul  | 94       |
| 44) 2-Chloronaphthalene       | 13.475 | 162  | 437430   | 19.478 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.669 | 65   | 144894   | 22.015 | ng/ul# | 78       |
| 47) Dimethylphthalate         | 14.051 | 163  | 582855   | 19.253 | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.163 | 165  | 116606   | 20.941 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.316 | 152  | 718221   | 19.530 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.492 | 138  | 124662   | 21.535 | ng/ul# | 82       |
| 52) Acenaphthene              | 14.663 | 153  | 467956   | 19.435 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.692 | 184  | 62298    | 18.509 | ng/ul# | 80       |
| 55) 4-Nitrophenol             | 14.792 | 109  | 107887m  | 20.546 | ng/ul  |          |
| 56) Dibenzofuran              | 14.998 | 168  | 690207   | 19.477 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 176331   | 21.565 | ng/ul# | 80       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.222 | 232  | 153417   | 19.901 | ng/ul# | 84       |
| 59) Diethylphthalate          | 15.422 | 149  | 606796   | 19.368 | ng/ul  | 93       |
| 61) Fluorene                  | 15.645 | 166  | 575904   | 19.731 | ng/ul  | 92       |
| 62) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 303389   | 19.548 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 133785m  | 23.074 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.716 | 198  | 98392    | 18.451 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.851 | 169  | 501101   | 19.330 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.539 | 248  | 185151   | 18.887 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.657 | 284  | 217482   | 19.294 | ng/ul# | 90       |
| 70) Atrazine                  | 16.804 | 200  | 199470   | 18.641 | ng/ul# | 88       |
| 71) Pentachlorophenol         | 16.998 | 266  | 137135   | 17.974 | ng/ul# | 84       |
| 72) Phenanthrene              | 17.392 | 178  | 937897   | 19.402 | ng/ul  | 98       |
| 74) Anthracene                | 17.480 | 178  | 963847   | 19.666 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.398 | 216  | 251149   | 19.182 | ng/uL# | 86       |
| 76) Pentachlorobenzene        | 14.916 | 250  | 250190   | 19.604 | ng/uL  | 92       |
| 77) Carbazole                 | 17.745 | 167  | 857318   | 19.357 | ng/ul# | 95       |
| 78) Di-n-butylphthalate       | 18.304 | 149  | 1057111  | 19.409 | ng/ul# | 94       |
| 80) Fluoranthene              | 19.351 | 202  | 1175088  | 18.688 | ng/ul# | 95       |
| 82) Pyrene                    | 19.704 | 202  | 1215858  | 19.072 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.574 | 149  | 498398   | 19.057 | ng/ul# | 81       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 431948   | 20.265 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 1243735  | 19.614 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 758415   | 19.279 | ng/ul# | 81       |
| 87) Chrysene                  | 21.468 | 228  | 1207162  | 19.732 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.292 | 149  | 1301897  | 18.340 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.145 | 252  | 1322352  | 19.644 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.192 | 252  | 1178581  | 19.187 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 23.786 | 252  | 1229762  | 19.708 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.474 | 276  | 1294159  | 19.834 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.498 | 278  | 1125210  | 19.887 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.268 | 276  | 1063219  | 19.762 | ng/ul  | 92       |

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

