

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052322\  
 Data File : BP010499.D  
 Acq On : 24 May 2022 04:29  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020666

Quant Time: May 24 05:51:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/24/2022  
 Supervised By :Yogesh Patel 05/26/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.887  | 152  | 167545   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.687 | 136  | 762455   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.522 | 164  | 524774   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.269 | 188  | 1145230  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.351 | 240  | 1094371  | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.774 | 264  | 858018   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 29193m   | 7.427  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 210474   | 18.858 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 274456   | 19.517 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.216  | 67   | 187393   | 19.834 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.422  | 132  | 216928   | 20.160 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 236124   | 19.758 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.046  | 128  | 118970   | 20.161 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 127553   | 20.397 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.310 | 165  | 236494   | 20.000 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.828 | 131  | 333827   | 18.987 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.928 | 166  | 734330   | 18.993 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 890652   | 19.971 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.722 | 143  | 123797   | 17.989 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.510 | 176  | 654035   | 19.444 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.639 | 200  | 110256   | 16.462 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.369 | 188  | 1025129  | 19.768 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 1219000  | 20.974 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.616 | 264  | 863348   | 20.039 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.370  | 88   | 30209    | 7.419  | ng/uL# | 12       |
| 5) Pyridine                   | 3.775  | 79   | 214844   | 18.523 | ng/ul# | 26       |
| 6) Benzaldehyde               | 7.028  | 77   | 169905m  | 22.855 | ng/ul  |          |
| 8) Phenol                     | 7.081  | 94   | 299215   | 19.723 | ng/ul# | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.310  | 93   | 231854   | 19.438 | ng/ul# | 74       |
| 12) 2-Chlorophenol            | 7.452  | 128  | 225158   | 20.044 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.334  | 108  | 226452   | 19.995 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.416  | 45   | 399724   | 20.562 | ng/ul# | 80       |
| 16) Acetophenone              | 8.710  | 105  | 370451   | 19.729 | ng/ul# | 78       |
| 17) N-Nitroso-di-n-propyla... | 8.699  | 70   | 202987   | 20.199 | ng/ul# | 69       |
| 18) 4-Methylphenol            | 8.663  | 108  | 248216   | 19.831 | ng/ul  | 94       |
| 19) Hexachloroethane          | 8.969  | 117  | 96825    | 19.818 | ng/ul# | 81       |
| 22) Nitrobenzene              | 9.087  | 77   | 305348   | 19.691 | ng/ul# | 81       |
| 23) Isophorone                | 9.616  | 82   | 572420   | 19.971 | ng/ul# | 97       |
| 25) 2-Nitrophenol             | 9.799  | 139  | 137734   | 20.059 | ng/ul# | 84       |
| 26) 2,4-Dimethylphenol        | 9.863  | 107  | 291884   | 19.591 | ng/ul# | 82       |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 329431   | 19.303 | ng/ul# | 98       |
| 29) 2,4-Dichlorophenol        | 10.334 | 162  | 237971   | 19.684 | ng/ul# | 85       |
| 30) Naphthalene               | 10.740 | 128  | 781065   | 19.613 | ng/ul  | 96       |
| 32) 4-Chloroaniline           | 10.846 | 127  | 333038   | 19.087 | ng/ul  | 96       |
| 33) Hexachlorobutadiene       | 11.028 | 225  | 165129   | 19.276 | ng/ul  | 99       |
| 34) Caprolactam               | 11.622 | 113  | 81541m   | 19.327 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.975 | 107  | 287885m  | 20.356 | ng/ul  |          |
| 36) 2-Methylnaphthalene       | 12.345 | 142  | 546947   | 19.400 | ng/ul  | 94       |

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 SSTD020666

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.563 | 142  | 550198   | 19.328 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.716 | 216  | 313307   | 19.564 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 12.698 | 237  | 119137   | 13.684 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.957 | 196  | 201561   | 20.192 | ng/ul# | 83       |
| 42) 2,4,5-Trichlorophenol     | 13.028 | 196  | 220401   | 19.774 | ng/ul# | 85       |
| 43) 1,1'-Biphenyl             | 13.351 | 154  | 750924   | 19.495 | ng/ul# | 92       |
| 44) 2-Chloronaphthalene       | 13.393 | 162  | 590481   | 19.848 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.598 | 65   | 207876   | 21.231 | ng/ul# | 76       |
| 47) Dimethylphthalate         | 13.975 | 163  | 737818   | 19.238 | ng/ul# | 93       |
| 48) 2,6-Dinitrotoluene        | 14.092 | 165  | 159665   | 20.423 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.240 | 152  | 959642   | 19.891 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.422 | 138  | 145092   | 19.774 | ng/ul# | 85       |
| 52) Acenaphthene              | 14.581 | 153  | 614404   | 19.522 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.634 | 184  | 59140    | 13.549 | ng/ul# | 71       |
| 55) 4-Nitrophenol             | 14.734 | 109  | 107423   | 17.555 | ng/ul# | 39       |
| 56) Dibenzofuran              | 14.916 | 168  | 899179   | 19.495 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.887 | 165  | 228102   | 20.268 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.145 | 232  | 189607   | 19.783 | ng/ul# | 85       |
| 59) Diethylphthalate          | 15.339 | 149  | 751006   | 19.191 | ng/ul  | 93       |
| 61) Fluorene                  | 15.569 | 166  | 736775   | 19.533 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204  | 379893   | 19.362 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.587 | 138  | 150143m  | 20.723 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.651 | 198  | 113536   | 16.998 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 15.775 | 169  | 635025   | 19.772 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.457 | 248  | 229147   | 19.429 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.581 | 284  | 260944   | 19.234 | ng/ul# | 87       |
| 70) Atrazine                  | 16.734 | 200  | 244702   | 19.019 | ng/ul# | 89       |
| 71) Pentachlorophenol         | 16.922 | 266  | 153416   | 18.023 | ng/ul# | 84       |
| 72) Phenanthrene              | 17.316 | 178  | 1189508  | 19.462 | ng/ul  | 100      |
| 74) Anthracene                | 17.404 | 178  | 1206069  | 19.670 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.322 | 216  | 326599   | 18.765 | ng/uL# | 85       |
| 76) Pentachlorobenzene        | 14.845 | 250  | 312315   | 19.777 | ng/uL  | 93       |
| 77) Carbazole                 | 17.675 | 167  | 1046030  | 19.412 | ng/ul# | 95       |
| 78) Di-n-butylphthalate       | 18.228 | 149  | 1303196  | 19.857 | ng/ul# | 93       |
| 80) Fluoranthene              | 19.280 | 202  | 1445971  | 21.409 | ng/ul  | 96       |
| 82) Pyrene                    | 19.627 | 202  | 1479177  | 20.987 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.498 | 149  | 609693   | 21.633 | ng/ul# | 83       |
| 84) 3,3'-Dichlorobenzidine    | 21.269 | 252  | 406548   | 18.483 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.339 | 228  | 1353302  | 19.775 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.263 | 149  | 893821   | 21.612 | ng/ul# | 82       |
| 87) Chrysene                  | 21.392 | 228  | 1333707  | 19.813 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.192 | 149  | 1509352  | 23.449 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.033 | 252  | 1144710  | 20.016 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.086 | 252  | 1124485  | 20.688 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.668 | 252  | 1057796  | 19.908 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.292 | 276  | 1032462  | 20.655 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.309 | 278  | 873155   | 20.131 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 27.068 | 276  | 873210   | 20.921 | ng/ul# | 91       |

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

