

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051922\  
 Data File : BP010406.D  
 Acq On : 19 May 2022 16:33  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020657

Quant Time: May 20 00:45:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 13 15:04:31 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2022  
 Supervised By :Yogesh Patel 05/24/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 103127   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.693 | 136  | 464340   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.528 | 164  | 331223   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.281 | 188  | 762923   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.363 | 240  | 854716   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.792 | 264  | 849703   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 19479    | 8.051  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 133869   | 19.487 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.058  | 99   | 173146   | 20.004 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 121512m  | 20.895 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.428  | 132  | 139585   | 21.075 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 150236   | 20.424 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 74625    | 20.766 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.775  | 143  | 78312    | 20.563 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.316 | 165  | 148511   | 20.623 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.834 | 131  | 220109m  | 20.557 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.934 | 166  | 502580   | 20.595 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 585258   | 20.792 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.722 | 143  | 84860m   | 19.537 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.522 | 176  | 447421   | 21.074 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.639 | 200  | 84595    | 18.960 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.381 | 188  | 728419   | 21.085 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.610 | 212  | 908472   | 20.014 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.633 | 264  | 900253   | 21.100 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.375  | 88   | 20931    | 8.351  | ng/uL# | 8        |
| 5) Pyridine                   | 3.781  | 79   | 137188   | 19.216 | ng/u1# | 25       |
| 6) Benzaldehyde               | 7.034  | 77   | 111128m  | 24.286 | ng/u1  |          |
| 8) Phenol                     | 7.087  | 94   | 188473m  | 20.183 | ng/u1  |          |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 148664   | 20.249 | ng/u1# | 69       |
| 12) 2-Chlorophenol            | 7.458  | 128  | 143621   | 20.771 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.340  | 108  | 144979   | 20.798 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 262326   | 21.923 | ng/u1# | 82       |
| 16) Acetophenone              | 8.716  | 105  | 241976   | 20.937 | ng/u1# | 75       |
| 17) N-Nitroso-di-n-propyla... | 8.704  | 70   | 129626   | 20.957 | ng/u1# | 68       |
| 18) 4-Methylphenol            | 8.663  | 108  | 157879   | 20.492 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.975  | 117  | 62508    | 20.786 | ng/u1# | 81       |
| 22) Nitrobenzene              | 9.093  | 77   | 196584   | 20.816 | ng/u1# | 84       |
| 23) Isophorone                | 9.622  | 82   | 357899   | 20.503 | ng/u1# | 97       |
| 25) 2-Nitrophenol             | 9.810  | 139  | 86225    | 20.619 | ng/u1# | 87       |
| 26) 2,4-Dimethylphenol        | 9.869  | 107  | 189102   | 20.841 | ng/u1# | 81       |
| 27) Bis(2-Chloroethoxy)met... | 10.104 | 93   | 213237   | 20.517 | ng/u1# | 96       |
| 29) 2,4-Dichlorophenol        | 10.346 | 162  | 153818   | 20.892 | ng/u1# | 83       |
| 30) Naphthalene               | 10.746 | 128  | 504505   | 20.802 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.857 | 127  | 214338   | 20.171 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.040 | 225  | 111042   | 21.284 | ng/u1  | 94       |
| 34) Caprolactam               | 11.628 | 113  | 52029m   | 20.249 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.981 | 107  | 183401   | 21.294 | ng/u1# | 74       |
| 36) 2-Methylnaphthalene       | 12.351 | 142  | 356552   | 20.766 | ng/u1  | 92       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.575 | 142  | 365351   | 21.075 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.722 | 216  | 206964   | 20.476 | ng/ul# | 95       |
| 40) Hexachlorocyclopentadiene | 12.704 | 237  | 104968   | 19.102 | ng/ul  | 91       |
| 41) 2,4,6-Trichlorophenol     | 12.963 | 196  | 131770   | 20.914 | ng/ul# | 87       |
| 42) 2,4,5-Trichlorophenol     | 13.034 | 196  | 141692   | 20.141 | ng/ul# | 87       |
| 43) 1,1'-Biphenyl             | 13.363 | 154  | 501083   | 20.611 | ng/ul  | 92       |
| 44) 2-Chloronaphthalene       | 13.404 | 162  | 390480   | 20.795 | ng/ul  | 93       |
| 45) 2-Nitroaniline            | 13.604 | 65   | 134364   | 21.742 | ng/ul# | 75       |
| 47) Dimethylphthalate         | 13.981 | 163  | 500913   | 20.693 | ng/ul# | 93       |
| 48) 2,6-Dinitrotoluene        | 14.098 | 165  | 102429   | 20.758 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.245 | 152  | 637159   | 20.924 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.428 | 138  | 95631    | 20.649 | ng/ul# | 84       |
| 52) Acenaphthene              | 14.592 | 153  | 417064   | 20.995 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.639 | 184  | 42063    | 15.268 | ng/ul# | 72       |
| 55) 4-Nitrophenol             | 14.739 | 109  | 80590    | 20.866 | ng/ul# | 52       |
| 56) Dibenzofuran              | 14.928 | 168  | 616569   | 21.179 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.887 | 165  | 153444   | 21.601 | ng/ul# | 71       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 126211   | 20.863 | ng/ul# | 85       |
| 59) Diethylphthalate          | 15.345 | 149  | 522973   | 21.173 | ng/ul# | 92       |
| 61) Fluorene                  | 15.575 | 166  | 511313   | 21.477 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.569 | 204  | 262387   | 21.187 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.592 | 138  | 103474m  | 22.628 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.657 | 198  | 85057    | 19.115 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.781 | 169  | 440905   | 20.607 | ng/ul  | 93       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 160028   | 20.367 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.586 | 284  | 183881   | 20.346 | ng/ul# | 89       |
| 70) Atrazine                  | 16.739 | 200  | 170005   | 19.834 | ng/ul# | 90       |
| 71) Pentachlorophenol         | 16.933 | 266  | 105004   | 18.517 | ng/ul  | 87       |
| 72) Phenanthrene              | 17.322 | 178  | 854849   | 20.996 | ng/ul  | 99       |
| 74) Anthracene                | 17.416 | 178  | 862334   | 21.112 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.328 | 216  | 221741   | 19.125 | ng/uL# | 86       |
| 76) Pentachlorobenzene        | 14.851 | 250  | 214328   | 20.374 | ng/uL  | 91       |
| 77) Carbazole                 | 17.680 | 167  | 769219   | 21.429 | ng/ul# | 97       |
| 78) Di-n-butylphthalate       | 18.233 | 149  | 922357   | 21.097 | ng/ul# | 94       |
| 80) Fluoranthene              | 19.286 | 202  | 1061691  | 20.127 | ng/ul  | 97       |
| 82) Pyrene                    | 19.639 | 202  | 1109871  | 20.162 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 453152   | 20.587 | ng/ul# | 82       |
| 84) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 352655   | 20.529 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.345 | 228  | 1131070  | 21.162 | ng/ul  | 94       |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 681811   | 21.108 | ng/ul# | 82       |
| 87) Chrysene                  | 21.398 | 228  | 1112909  | 21.169 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.204 | 149  | 1180799  | 18.524 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 1161177  | 20.503 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.098 | 252  | 1102289  | 20.478 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 1112549  | 21.143 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 1102909  | 22.280 | ng/ul# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.333 | 278  | 936246   | 21.797 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 27.098 | 276  | 937744   | 22.687 | ng/ul# | 92       |

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

