

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031623\  
 Data File : BP014113.D  
 Acq On : 16 Mar 2023 21:05  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020778

Quant Time: Mar 17 01:02:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP030723.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 17 00:57:25 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/17/2023  
 Supervised By :Jagrut Upadhyay 03/17/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 142055   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 634874   | 20.000 | ng/u1 | # 0.00   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 446984   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.463 | 188  | 1033556  | 20.000 | ng/u1 | # 0.00   |
| 79) Chrysene-d12              | 21.545 | 240  | 1061248  | 20.000 | ng/u1 | # 0.00   |
| 88) Perylene-d12              | 24.080 | 264  | 1078341  | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.422  | 96   | 29685    | 7.895  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.858  | 84   | 195369   | 18.768 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.216  | 99   | 262650   | 20.952 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.387  | 67   | 161079   | 22.032 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 195834   | 20.504 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.775  | 113  | 216909   | 21.183 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.234  | 128  | 101113   | 19.961 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.963  | 143  | 118273   | 19.505 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.504 | 165  | 219928   | 19.276 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.028 | 131  | 297782   | 19.722 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.110 | 166  | 726444   | 19.150 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.398 | 160  | 795474   | 19.795 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.904 | 143  | 125898   | 18.833 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.698 | 176  | 609905   | 18.971 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.816 | 200  | 143265   | 18.340 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.563 | 188  | 985835   | 19.648 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.786 | 212  | 1209937  | 20.672 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.916 | 264  | 1142803  | 19.923 | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.458  | 88   | 32108    | 7.911  | ng/uL | 93       |
| 5) Pyridine                   | 3.875  | 79   | 203981   | 19.322 | ng/u1 | 93       |
| 6) Benzaldehyde               | 7.199  | 77   | 155657m  | 24.955 | ng/u1 |          |
| 8) Phenol                     | 7.246  | 94   | 273546   | 21.159 | ng/u1 | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.475  | 93   | 215650   | 21.773 | ng/u1 | 98       |
| 12) 2-Chlorophenol            | 7.622  | 128  | 203434   | 21.141 | ng/u1 | 96       |
| 13) 2-Methylphenol            | 8.510  | 108  | 203689   | 21.189 | ng/u1 | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.593  | 45   | 268429   | 25.096 | ng/u1 | 100      |
| 16) Acetophenone              | 8.893  | 105  | 356937   | 21.577 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.875  | 70   | 191086   | 22.580 | ng/u1 | 97       |
| 18) 4-Methylphenol            | 8.834  | 108  | 231942   | 21.936 | ng/u1 | 98       |
| 19) Hexachloroethane          | 9.152  | 117  | 88587    | 21.019 | ng/u1 | 98       |
| 22) Nitrobenzene              | 9.281  | 77   | 277648   | 20.490 | ng/u1 | 99       |
| 23) Isophorone                | 9.805  | 82   | 537198   | 20.586 | ng/u1 | 97       |
| 25) 2-Nitrophenol             | 9.993  | 139  | 124466   | 19.916 | ng/u1 | 94       |
| 26) 2,4-Dimethylphenol        | 10.052 | 107  | 275826   | 20.164 | ng/u1 | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.287 | 93   | 312792   | 20.723 | ng/u1 | 98       |
| 29) 2,4-Dichlorophenol        | 10.534 | 162  | 219417   | 19.495 | ng/u1 | 97       |
| 30) Naphthalene               | 10.934 | 128  | 695971   | 19.963 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 11.052 | 127  | 300538   | 19.780 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.216 | 225  | 158713   | 17.721 | ng/u1 | 97       |
| 34) Caprolactam               | 11.840 | 113  | 67380    | 18.438 | ng/u1 | 94       |
| 35) 4-Chloro-3-methylphenol   | 12.163 | 107  | 265142   | 20.373 | ng/u1 | 96       |
| 36) 2-Methylnaphthalene       | 12.540 | 142  | 474586   | 19.408 | ng/u1 | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.757 | 142  | 484739   | 19.723 | ng/u1  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.898 | 216  | 296809   | 18.363 | ng/u1  | 97       |
| 40) Hexachlorocyclopentadiene | 12.875 | 237  | 182297   | 15.750 | ng/u1  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.140 | 196  | 194535   | 19.159 | ng/u1  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.216 | 196  | 211909   | 19.017 | ng/u1  | 97       |
| 43) 1,1'-Biphenyl             | 13.540 | 154  | 684063   | 19.878 | ng/u1  | 99       |
| 44) 2-Chloronaphthalene       | 13.587 | 162  | 539696   | 19.746 | ng/u1  | 98       |
| 45) 2-Nitroaniline            | 13.793 | 65   | 176037   | 21.777 | ng/u1  | 92       |
| 47) Dimethylphthalate         | 14.157 | 163  | 721036   | 19.203 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.281 | 165  | 146936   | 19.793 | ng/u1  | 98       |
| 50) Acenaphthylene            | 14.428 | 152  | 847170   | 20.088 | ng/u1  | 99       |
| 51) 3-Nitroaniline            | 14.616 | 138  | 140165   | 21.325 | ng/u1  | 92       |
| 52) Acenaphthene              | 14.769 | 153  | 591426   | 20.060 | ng/u1  | 100      |
| 53) 2,4-Dinitrophenol         | 14.822 | 184  | 89628    | 16.167 | ng/u1  | 95       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 119463   | 16.544 | ng/u1  | 88       |
| 56) Dibenzofuran              | 15.104 | 168  | 836521   | 19.504 | ng/u1  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.069 | 165  | 214705   | 19.358 | ng/u1  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.328 | 232  | 199843   | 18.745 | ng/u1  | 98       |
| 59) Diethylphthalate          | 15.516 | 149  | 741821   | 19.479 | ng/u1  | 99       |
| 61) Fluorene                  | 15.751 | 166  | 689163   | 19.384 | ng/u1  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.745 | 204  | 362390   | 18.468 | ng/u1  | 98       |
| 63) 4-Nitroaniline            | 15.781 | 138  | 144064   | 21.323 | ng/u1  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 15.834 | 198  | 139038   | 18.656 | ng/u1# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.957 | 169  | 599132   | 20.525 | ng/u1  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.645 | 248  | 238267   | 19.069 | ng/u1  | 95       |
| 69) Hexachlorobenzene         | 16.763 | 284  | 274106   | 18.617 | ng/u1  | 98       |
| 70) Atrazine                  | 16.916 | 200  | 237503   | 18.864 | ng/u1  | 98       |
| 71) Pentachlorophenol         | 17.110 | 266  | 165876   | 17.235 | ng/u1  | 98       |
| 72) Phenanthrene              | 17.504 | 178  | 1115649  | 19.791 | ng/u1  | 100      |
| 74) Anthracene                | 17.598 | 178  | 1145986  | 20.049 | ng/u1  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.504 | 216  | 306716   | 19.337 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.022 | 250  | 316077   | 19.183 | ng/uL  | 98       |
| 77) Carbazole                 | 17.869 | 167  | 1022753  | 20.286 | ng/u1  | 99       |
| 78) Di-n-butylphthalate       | 18.398 | 149  | 1287059  | 20.426 | ng/u1  | 100      |
| 80) Fluoranthene              | 19.463 | 202  | 1393663  | 20.890 | ng/u1# | 95       |
| 82) Pyrene                    | 19.816 | 202  | 1451780  | 20.860 | ng/u1# | 94       |
| 83) Butylbenzylphthalate      | 20.669 | 149  | 608543   | 21.686 | ng/u1  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 506074   | 18.628 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.527 | 228  | 1472249  | 19.724 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 891766   | 21.256 | ng/u1  | 100      |
| 87) Chrysene                  | 21.586 | 228  | 1418495  | 19.940 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 22.392 | 149  | 1551815  | 22.807 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.298 | 252  | 1462026  | 20.347 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.351 | 252  | 1455944  | 21.249 | ng/u1  | 99       |
| 93) Benzo(a)pyrene            | 23.968 | 252  | 1254341  | 20.070 | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.745 | 276  | 1418301  | 17.143 | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.757 | 278  | 1181683  | 17.184 | ng/u1  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.562 | 276  | 1097518  | 16.596 | ng/u1  | 97       |

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

