

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111023\  
 Data File : BP018057.D  
 Acq On : 11 Nov 2023 10:09  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020667

Quant Time: Nov 11 20:21:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP111023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 10 21:55:18 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2023  
 Supervised By :mohammad ahmed 11/15/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 83106    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 326204   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.522 | 164  | 181718   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 336748   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.427 | 240  | 299202   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.933 | 264  | 373950   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 17269    | 7.330  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.664  | 84   | 116789   | 19.013 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 140331   | 17.490 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.199  | 67   | 88003    | 18.664 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.369  | 132  | 112800   | 17.754 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.569  | 113  | 109931   | 16.721 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 54957    | 18.700 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 60719    | 18.237 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.293 | 165  | 105391   | 17.760 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.846 | 131  | 136895   | 16.822 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 269021   | 16.045 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.222 | 160  | 325826   | 17.842 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.787 | 143  | 26140    | 10.433 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.522 | 176  | 228464   | 16.504 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.681 | 200  | 36642    | 15.052 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.404 | 188  | 322281   | 17.695 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 354023   | 17.714 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.769 | 264  | 388424   | 17.863 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.264  | 88   | 18871    | 7.341  | ng/uL  | 95       |
| 5) Pyridine                   | 3.687  | 79   | 119428   | 18.838 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.016  | 77   | 93707    | 21.686 | ng/u1  | 95       |
| 8) Phenol                     | 7.046  | 94   | 139953   | 17.682 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.293  | 93   | 112795   | 18.369 | ng/u1  | 93       |
| 12) 2-Chlorophenol            | 7.405  | 128  | 115555   | 18.114 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.305  | 108  | 104465   | 17.468 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.358  | 45   | 128748m  | 18.363 | ng/u1  |          |
| 16) Acetophenone              | 8.705  | 105  | 177081   | 16.945 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.669  | 70   | 92064    | 16.136 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.640  | 108  | 110942   | 17.011 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.899  | 117  | 53512    | 17.532 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.099  | 77   | 152656   | 19.237 | ng/u1  | 94       |
| 23) Isophorone                | 9.605  | 82   | 242618   | 16.755 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.799  | 139  | 62700    | 18.326 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.840  | 107  | 125326   | 17.220 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 140507   | 17.794 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 102882   | 18.156 | ng/u1  | 95       |
| 30) Naphthalene               | 10.716 | 128  | 357548   | 18.024 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.869 | 127  | 132115   | 16.949 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 76934    | 18.494 | ng/u1  | 95       |
| 34) Caprolactam               | 11.710 | 113  | 24100m   | 12.802 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 108223   | 15.874 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.334 | 142  | 232859   | 17.098 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.557 | 142  | 232974   | 16.647 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.687 | 216  | 122034   | 19.879 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.622 | 237  | 47141    | 15.909 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.951 | 196  | 75634    | 18.782 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.034 | 196  | 75843    | 17.895 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.351 | 154  | 294204   | 19.040 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.404 | 162  | 237074   | 19.325 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.657 | 65   | 68524    | 17.309 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.993 | 163  | 267375   | 16.256 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.146 | 165  | 52612    | 16.094 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.251 | 152  | 368982   | 17.896 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.498 | 138  | 49317    | 16.257 | ng/ul# | 99       |
| 52) Acenaphthene              | 14.587 | 153  | 244271   | 17.867 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.722 | 184  | 18642    | 10.453 | ng/ul  | 86       |
| 55) 4-Nitrophenol             | 14.804 | 109  | 46771    | 14.063 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.928 | 168  | 322632   | 17.220 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.940 | 165  | 74136    | 15.179 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.151 | 232  | 59987    | 15.911 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.351 | 149  | 257289   | 14.973 | ng/ul  | 99       |
| 61) Fluorene                  | 15.581 | 166  | 261943   | 16.468 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 128128   | 16.437 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.669 | 138  | 44532    | 15.557 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 41591    | 16.464 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.804 | 169  | 206072   | 19.081 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.481 | 248  | 70469    | 18.567 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.557 | 284  | 78651    | 18.571 | ng/ul  | 98       |
| 70) Atrazine                  | 16.763 | 200  | 62840    | 16.681 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.939 | 266  | 44637    | 17.363 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.345 | 178  | 377261   | 18.246 | ng/ul  | 99       |
| 74) Anthracene                | 17.439 | 178  | 380775   | 18.046 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.304 | 216  | 119645   | 23.266 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.822 | 250  | 105084   | 20.874 | ng/uL  | 94       |
| 77) Carbazole                 | 17.739 | 167  | 326385   | 17.813 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 361330   | 15.542 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.328 | 202  | 414806   | 17.772 | ng/ul  | 99       |
| 82) Pyrene                    | 19.686 | 202  | 441167   | 18.038 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.551 | 149  | 160521   | 15.606 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.363 | 252  | 126750   | 17.731 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 437331   | 18.102 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.292 | 149  | 205889   | 14.519 | ng/ul  | 99       |
| 87) Chrysene                  | 21.469 | 228  | 402522   | 17.809 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.251 | 149  | 373431   | 13.353 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.157 | 252  | 459727   | 17.275 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.210 | 252  | 464516   | 17.349 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.821 | 252  | 457938   | 18.221 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.592 | 276  | 593367   | 19.685 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.615 | 278  | 485805   | 19.573 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.421 | 276  | 485419   | 20.134 | ng/ul  | 97       |

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

