

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111023\  
 Data File : BP018031.D  
 Acq On : 10 Nov 2023 18:19  
 Operator : MA/JU  
 Sample : SST04055  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST040620

Quant Time: Nov 10 21:42:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP111023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 10 21:21:36 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

11/11/2023  
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 ahmed

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |            |
|-------------------------------|--------|------|----------|--------|-------|----------|------------|
| -----                         |        |      |          |        |       |          | 11/15/2023 |
| Internal Standards            |        |      |          |        |       |          |            |
| 1) 1,4-Dichlorobenzene-d4     | 7.852  | 152  | 63780    | 20.000 | ng/u1 | 0.00     |            |
| 20) Naphthalene-d8            | 10.675 | 136  | 274812   | 20.000 | ng/u1 | 0.00     |            |
| 38) Acenaphthene-d10          | 14.528 | 164  | 182431   | 20.000 | ng/u1 | 0.00     |            |
| 64) Phenanthrene-d10          | 17.310 | 188  | 407780   | 20.000 | ng/u1 | 0.00     |            |
| 79) Chrysene-d12              | 21.433 | 240  | 374186   | 20.000 | ng/u1 | 0.00     |            |
| 88) Perylene-d12              | 23.939 | 264  | 402726   | 20.000 | ng/u1 | 0.00     |            |
| System Monitoring Compounds   |        |      |          |        |       |          |            |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 29222    | 16.162 | ng/uL | 0.00     |            |
| 4) Pyridine-d5                | 3.664  | 84   | 202821   | 43.024 | ng/u1 | 0.00     |            |
| 7) Phenol-d5                  | 7.016  | 99   | 260446   | 42.297 | ng/u1 | 0.00     |            |
| 9) Bis-(2-Chloroethyl)eth...  | 7.199  | 67   | 156118   | 43.143 | ng/u1 | 0.00     |            |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 205640   | 42.173 | ng/u1 | 0.00     |            |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 214821   | 42.575 | ng/u1 | 0.00     |            |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 105673   | 42.681 | ng/u1 | 0.00     |            |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 122945   | 44.152 | ng/u1 | 0.00     |            |
| 28) 2,4-Dichlorophenol-d3     | 10.293 | 165  | 215495   | 43.105 | ng/u1 | 0.00     |            |
| 31) 4-Chloroaniline-d4        | 10.846 | 131  | 296267   | 43.214 | ng/u1 | 0.00     |            |
| 46) Dimethylphthalate-d6      | 13.951 | 166  | 690660   | 41.031 | ng/u1 | 0.00     |            |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 759285   | 41.415 | ng/u1 | 0.00     |            |
| 54) 4-Nitrophenol-d4          | 14.781 | 143  | 114710   | 45.605 | ng/u1 | 0.00     |            |
| 60) Fluorene-d10              | 15.528 | 176  | 573141   | 41.242 | ng/u1 | 0.00     |            |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 200  | 126611   | 42.949 | ng/u1 | 0.00     |            |
| 73) Anthracene-d10            | 17.410 | 188  | 906754   | 41.114 | ng/u1 | 0.00     |            |
| 81) Pyrene-d10                | 19.663 | 212  | 1057368  | 42.305 | ng/u1 | 0.00     |            |
| 92) Benzo(a)pyrene-d12        | 23.774 | 264  | 990721   | 42.307 | ng/u1 | 0.00     |            |
| Target Compounds              |        |      |          |        |       |          | Qvalue     |
| 2) 1,4-Dioxane                | 3.264  | 88   | 32017    | 16.228 | ng/uL |          | 96         |
| 5) Pyridine                   | 3.681  | 79   | 206120   | 42.365 | ng/u1 |          | 97         |
| 6) Benzaldehyde               | 7.016  | 77   | 153240   | 46.983 | ng/u1 |          | 97         |
| 8) Phenol                     | 7.046  | 94   | 256736   | 42.266 | ng/u1 |          | 97         |
| 10) Bis(2-Chloroethyl)ether   | 7.299  | 93   | 201178   | 42.691 | ng/u1 |          | 98         |
| 12) 2-Chlorophenol            | 7.405  | 128  | 204212   | 41.712 | ng/u1 |          | 99         |
| 13) 2-Methylphenol            | 8.305  | 108  | 194624   | 42.405 | ng/u1 |          | 98         |
| 14) 2,2'-oxybis(1-Chloropr... | 8.363  | 45   | 228239m  | 42.415 | ng/u1 |          |            |
| 16) Acetophenone              | 8.710  | 105  | 340045   | 42.398 | ng/u1 |          | 98         |
| 17) N-Nitroso-di-n-propyla... | 8.681  | 70   | 182600   | 41.701 | ng/u1 |          | 98         |
| 18) 4-Methylphenol            | 8.640  | 108  | 213524   | 42.660 | ng/u1 |          | 96         |
| 19) Hexachloroethane          | 8.905  | 117  | 95926    | 40.952 | ng/u1 |          | 93         |
| 22) Nitrobenzene              | 9.099  | 77   | 280954   | 42.025 | ng/u1 |          | 95         |
| 23) Isophorone                | 9.610  | 82   | 511729   | 41.948 | ng/u1 |          | 99         |
| 25) 2-Nitrophenol             | 9.805  | 139  | 125527   | 43.549 | ng/u1 |          | 96         |
| 26) 2,4-Dimethylphenol        | 9.846  | 107  | 260818   | 42.538 | ng/u1 |          | 99         |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 277598   | 41.730 | ng/u1 |          | 99         |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 204949   | 42.931 | ng/u1 |          | 97         |
| 30) Naphthalene               | 10.722 | 128  | 685731   | 41.031 | ng/u1 |          | 99         |
| 32) 4-Chloroaniline           | 10.875 | 127  | 281195   | 42.820 | ng/u1 |          | 100        |
| 33) Hexachlorobutadiene       | 10.940 | 225  | 142430   | 40.640 | ng/u1 |          | 98         |
| 34) Caprolactam               | 11.710 | 113  | 67550m   | 42.058 | ng/u1 |          |            |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 247437   | 43.571 | ng/u1 |          | 95         |
| 36) 2-Methylnaphthalene       | 12.340 | 142  | 477830   | 41.646 | ng/u1 |          | 99         |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.557 | 142  | 481833   | 40.866 | ng/u1 | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.693 | 216  | 254138   | 41.237 | ng/u1 | 97       |
| 40) Hexachlorocyclopentadiene | 12.628 | 237  | 127694   | 42.926 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.957 | 196  | 173477   | 42.910 | ng/u1 | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.028 | 196  | 183901   | 43.889 | ng/u1 | 97       |
| 43) 1,1'-Biphenyl             | 13.357 | 154  | 633595   | 40.844 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.404 | 162  | 504631   | 40.974 | ng/u1 | 100      |
| 45) 2-Nitroaniline            | 13.657 | 65   | 178718   | 44.968 | ng/u1 | 99       |
| 47) Dimethylphthalate         | 13.998 | 163  | 675621   | 40.917 | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.151 | 165  | 140055   | 42.674 | ng/u1 | 98       |
| 50) Acenaphthylene            | 14.257 | 152  | 854457   | 41.280 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.493 | 138  | 138208   | 45.382 | ng/u1 | 98       |
| 52) Acenaphthene              | 14.592 | 153  | 561976   | 40.944 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.710 | 184  | 76865    | 43.253 | ng/u1 | 95       |
| 55) 4-Nitrophenol             | 14.798 | 109  | 149658   | 44.824 | ng/u1 | 96       |
| 56) Dibenzofuran              | 14.934 | 168  | 770092   | 40.942 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 212573   | 43.352 | ng/u1 | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 159664   | 42.183 | ng/u1 | 97       |
| 59) Diethylphthalate          | 15.357 | 149  | 702658   | 40.732 | ng/u1 | 99       |
| 61) Fluorene                  | 15.587 | 166  | 650398   | 40.729 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 320408   | 40.944 | ng/u1 | 97       |
| 63) 4-Nitroaniline            | 15.669 | 138  | 132056   | 46.331 | ng/u1 | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 130777   | 42.752 | ng/u1 | 95       |
| 67) N-Nitrosodiphenylamine    | 15.810 | 169  | 541370   | 41.397 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.481 | 248  | 189130   | 41.151 | ng/u1 | 93       |
| 69) Hexachlorobenzene         | 16.563 | 284  | 211512   | 41.243 | ng/u1 | 97       |
| 70) Atrazine                  | 16.769 | 200  | 199488   | 43.729 | ng/u1 | 100      |
| 71) Pentachlorophenol         | 16.939 | 266  | 133539   | 43.133 | ng/u1 | 97       |
| 72) Phenanthrene              | 17.351 | 178  | 1041103  | 41.582 | ng/u1 | 99       |
| 74) Anthracene                | 17.445 | 178  | 1064462  | 41.661 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.310 | 216  | 256246   | 41.150 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.822 | 250  | 250084   | 41.024 | ng/uL | 97       |
| 77) Carbazole                 | 17.739 | 167  | 951904   | 42.902 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.245 | 149  | 1182948  | 42.019 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.333 | 202  | 1234281  | 42.285 | ng/u1 | 99       |
| 82) Pyrene                    | 19.692 | 202  | 1286870  | 42.072 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.557 | 149  | 553903   | 43.061 | ng/u1 | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.363 | 252  | 390083   | 43.634 | ng/u1 | 95       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 1253635  | 41.491 | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.298 | 149  | 754194   | 42.525 | ng/u1 | 100      |
| 87) Chrysene                  | 21.474 | 228  | 1166968  | 41.283 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 1287343  | 42.743 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.163 | 252  | 1211416  | 42.267 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.216 | 252  | 1193838  | 41.401 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.827 | 252  | 1142190  | 42.200 | ng/u1 | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.604 | 276  | 1361121  | 41.929 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.627 | 278  | 1125696  | 42.114 | ng/u1 | 100      |
| 96) Benzo(g,h,i)perylene      | 27.439 | 276  | 1086815  | 41.857 | ng/u1 | 97       |

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

