

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072523\  
 Data File : BP016371.D  
 Acq On : 26 Jul 2023 06:06  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020672

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023  
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 07:28:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP072523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 25 23:56:16 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.099  | 152  | 579422   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.928 | 136  | 2525304  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.740 | 164  | 1550998  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.504 | 188  | 3250357  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.592 | 240  | 2536201  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.198 | 264  | 2385456  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96   | 112066   | 7.626  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.858  | 84   | 846707   | 20.308 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.222  | 99   | 981815   | 20.249 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.428  | 67   | 586219   | 20.138 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 777132   | 20.544 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 809090   | 20.749 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.293  | 128  | 376177   | 24.191 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.011 | 143  | 351188   | 27.383 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.528 | 165  | 769421   | 21.644 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.075 | 131  | 1124675  | 20.337 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.151 | 166  | 2231800  | 19.661 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.440 | 160  | 2670537  | 19.914 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.922 | 143  | 373249   | 19.624 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.734 | 176  | 1894663  | 19.620 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.845 | 200  | 158264   | 14.783 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.604 | 188  | 2852750  | 19.814 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.828 | 212  | 3107891  | 21.581 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.022 | 264  | 2270457  | 19.728 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.464  | 88   | 120397   | 7.726  | ng/uL  | 99       |
| 5) Pyridine                   | 3.876  | 79   | 866096   | 20.418 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.246  | 77   | 608878   | 23.018 | ng/u1  | 98       |
| 8) Phenol                     | 7.252  | 94   | 1024451  | 20.317 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.528  | 93   | 826156   | 20.000 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 790449   | 20.324 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.522  | 108  | 786188   | 20.334 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611  | 45   | 1010081m | 20.209 | ng/u1  |          |
| 16) Acetophenone              | 8.940  | 105  | 1278610  | 20.778 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.916  | 70   | 653265   | 20.386 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.858  | 108  | 853423   | 20.659 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.175  | 117  | 323228   | 19.865 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.334  | 77   | 925187   | 22.224 | ng/u1  | 99       |
| 23) Isophorone                | 9.852  | 82   | 1879798  | 20.047 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.040 | 139  | 407839   | 25.486 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.075 | 107  | 924516   | 20.433 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.340 | 93   | 1136075  | 20.095 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.558 | 162  | 764169   | 21.264 | ng/u1  | 99       |
| 30) Naphthalene               | 10.981 | 128  | 2614128  | 19.987 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.105 | 127  | 1104549  | 20.373 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.222 | 225  | 470524   | 19.922 | ng/u1  | 99       |
| 34) Caprolactam               | 11.893 | 113  | 268812m  | 20.999 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.187 | 107  | 836860   | 21.038 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.575 | 142  | 1779866  | 19.968 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.793 | 142  | 1805743  | 20.262 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.922 | 216  | 919835   | 20.074 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.881 | 237  | 476782   | 14.576 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.163 | 196  | 587383   | 21.757 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.234 | 196  | 637905   | 22.078 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.581 | 154  | 2305127  | 19.683 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.622 | 162  | 1812095  | 19.779 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.846 | 65   | 484061   | 25.252 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.199 | 163  | 2232955  | 19.506 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.334 | 165  | 420869   | 25.513 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.469 | 152  | 3008958  | 19.695 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.669 | 138  | 451051   | 23.372 | ng/ul# | 97       |
| 52) Acenaphthene              | 14.804 | 153  | 1935917  | 19.651 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.863 | 184  | 75916    | 10.760 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.940 | 109  | 295435   | 19.270 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.140 | 168  | 2636258  | 19.548 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.110 | 165  | 588876   | 25.039 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 483898   | 20.994 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.551 | 149  | 2232168  | 19.360 | ng/ul  | 99       |
| 61) Fluorene                  | 15.787 | 166  | 2154673  | 19.670 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.781 | 204  | 1059895  | 19.847 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.828 | 138  | 427879   | 24.179 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.857 | 198  | 187917   | 14.682 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.998 | 169  | 1835718  | 20.143 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.681 | 248  | 641304   | 20.805 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.763 | 284  | 742203   | 20.079 | ng/ul  | 97       |
| 70) Atrazine                  | 16.951 | 200  | 668631   | 20.109 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.122 | 266  | 370212   | 17.773 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.545 | 178  | 3313606  | 19.591 | ng/ul  | 99       |
| 74) Anthracene                | 17.640 | 178  | 3377623  | 19.605 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.528 | 216  | 956424   | 20.385 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 15.028 | 250  | 847658   | 20.445 | ng/uL  | 99       |
| 77) Carbazole                 | 17.910 | 167  | 3038834  | 20.491 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.434 | 149  | 3820151  | 20.228 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.498 | 202  | 3696151  | 21.412 | ng/ul  | 99       |
| 82) Pyrene                    | 19.857 | 202  | 3806801  | 21.345 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.722 | 149  | 1590942  | 23.563 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.510 | 252  | 968649   | 17.377 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.575 | 228  | 3387102  | 19.717 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.475 | 149  | 2395964  | 23.264 | ng/ul# | 98       |
| 87) Chrysene                  | 21.633 | 228  | 3099626  | 19.485 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.469 | 149  | 3907159  | 26.057 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.380 | 252  | 2866115  | 20.063 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.439 | 252  | 2867213  | 20.168 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.074 | 252  | 2619538  | 19.470 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.968 | 276  | 2943828  | 18.949 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.010 | 278  | 2452676  | 19.088 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.833 | 276  | 2319585  | 18.859 | ng/ul  | 99       |

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

