

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021058.D  
 Acq On : 19 Jul 2024 00:05  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020696

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 00:35:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) | Qvalue |
|-------------------------------|--------|------|----------|--------|--------|----------|--------|
| Internal Standards            |        |      |          |        |        |          |        |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 147233   | 20.000 | ng/ul  | 0.00     |        |
| 20) Naphthalene-d8            | 10.445 | 136  | 596944   | 20.000 | ng/ul  | 0.00     |        |
| 38) Acenaphthene-d10          | 14.298 | 164  | 384046   | 20.000 | ng/ul  | -0.01    |        |
| 64) Phenanthrene-d10          | 17.121 | 188  | 844796   | 20.000 | ng/ul  | 0.00     |        |
| 79) Chrysene-d12              | 21.568 | 240  | 840964   | 20.000 | ng/ul  | -0.01    |        |
| 88) Perylene-d12              | 24.892 | 264  | 1045950  | 20.000 | ng/ul  | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |        |          |        |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 23004    | 7.110  | ng/uL  | 0.00     |        |
| 4) Pyridine-d5                | 3.652  | 84   | 168257   | 17.963 | ng/ul  | 0.00     |        |
| 7) Phenol-d5                  | 6.898  | 99   | 215484   | 17.952 | ng/ul  | 0.00     |        |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 124083   | 17.057 | ng/ul  | 0.00     |        |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 177136   | 17.911 | ng/ul  | 0.00     |        |
| 15) 4-Methylphenol-d8         | 8.410  | 113  | 173530   | 17.406 | ng/ul  | 0.00     |        |
| 21) Nitrobenzene-d5           | 8.845  | 128  | 85569    | 18.455 | ng/ul  | 0.00     |        |
| 24) 2-Nitrophenol-d4          | 9.539  | 143  | 96595    | 18.202 | ng/ul  | 0.00     |        |
| 28) 2,4-Dichlorophenol-d3     | 10.092 | 165  | 170900   | 17.810 | ng/ul  | -0.01    |        |
| 31) 4-Chloroaniline-d4        | 10.592 | 131  | 236803   | 18.628 | ng/ul  | 0.00     |        |
| 46) Dimethylphthalate-d6      | 13.710 | 166  | 502541   | 18.001 | ng/ul  | 0.00     |        |
| 49) Acenaphthylene-d8         | 13.986 | 160  | 581808   | 18.560 | ng/ul  | -0.01    |        |
| 54) 4-Nitrophenol-d4          | 14.586 | 143  | 101933m  | 25.662 | ng/ul  | -0.02    |        |
| 60) Fluorene-d10              | 15.310 | 176  | 436913   | 19.076 | ng/ul  | -0.01    |        |
| 65) 4,6-Dinitro-2-methylph... | 15.480 | 200  | 84631    | 16.557 | ng/ul  | 0.00     |        |
| 73) Anthracene-d10            | 17.221 | 188  | 694975   | 18.522 | ng/ul  | 0.00     |        |
| 81) Pyrene-d10                | 19.610 | 212  | 853609   | 16.418 | ng/ul  | 0.00     |        |
| 92) Benzo(a)pyrene-d12        | 24.645 | 264  | 923904   | 17.910 | ng/ul  | -0.04    |        |
| Target Compounds              |        |      |          |        |        |          |        |
| 2) 1,4-Dioxane                | 3.263  | 88   | 25347    | 7.123  | ng/uL  | 94       |        |
| 5) Pyridine                   | 3.669  | 79   | 173568   | 17.965 | ng/ul  | 99       |        |
| 6) Benzaldehyde               | 6.857  | 77   | 131150   | 21.672 | ng/ul  | 100      |        |
| 8) Phenol                     | 6.922  | 94   | 217166   | 17.879 | ng/ul  | 98       |        |
| 10) Bis(2-Chloroethyl)ether   | 7.128  | 93   | 169439   | 16.887 | ng/ul  | 97       |        |
| 12) 2-Chlorophenol            | 7.269  | 128  | 177882   | 17.946 | ng/ul  | 98       |        |
| 13) 2-Methylphenol            | 8.145  | 108  | 169290   | 18.022 | ng/ul  | 97       |        |
| 14) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 239425   | 16.516 | ng/ul# | 97       |        |
| 16) Acetophenone              | 8.504  | 105  | 269904   | 17.541 | ng/ul  | 99       |        |
| 17) N-Nitroso-di-n-propyla... | 8.481  | 70   | 130946   | 16.242 | ng/ul  | 99       |        |
| 18) 4-Methylphenol            | 8.475  | 108  | 176256   | 17.514 | ng/ul  | 98       |        |
| 19) Hexachloroethane          | 8.728  | 117  | 74184    | 16.655 | ng/ul  | 99       |        |
| 22) Nitrobenzene              | 8.887  | 77   | 200625   | 18.063 | ng/ul  | 98       |        |
| 23) Isophorone                | 9.387  | 82   | 379054   | 17.167 | ng/ul  | 98       |        |
| 25) 2-Nitrophenol             | 9.575  | 139  | 102387   | 18.499 | ng/ul  | 99       |        |
| 26) 2,4-Dimethylphenol        | 9.645  | 107  | 195716   | 17.933 | ng/ul  | 99       |        |
| 27) Bis(2-Chloroethoxy)met... | 9.857  | 93   | 225187   | 16.778 | ng/ul  | 99       |        |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 168599   | 17.828 | ng/ul  | 99       |        |
| 30) Naphthalene               | 10.492 | 128  | 562272   | 17.907 | ng/ul  | 99       |        |
| 32) 4-Chloroaniline           | 10.616 | 127  | 220999   | 18.206 | ng/ul  | 100      |        |
| 33) Hexachlorobutadiene       | 10.751 | 225  | 119704   | 16.881 | ng/ul  | 100      |        |
| 34) Caprolactam               | 11.416 | 113  | 56889    | 19.527 | ng/ul  | 97       |        |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 183110   | 17.813 | ng/ul  | 97       |        |
| 36) 2-Methylnaphthalene       | 12.092 | 142  | 379050   | 17.586 | ng/ul  | 99       |        |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.328 | 142  | 391389   | 17.656 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 221313   | 17.744 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 123849   | 18.982 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.733 | 196  | 140466   | 17.823 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.828 | 196  | 146716   | 17.595 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.122 | 154  | 494636   | 17.624 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 404787   | 18.066 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.392 | 65   | 118487   | 19.122 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.757 | 163  | 511773   | 18.066 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.898 | 165  | 104731   | 18.492 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.016 | 152  | 656881   | 18.507 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.245 | 138  | 107805   | 21.874 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.363 | 153  | 436332   | 18.522 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.469 | 184  | 60364    | 20.296 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.604 | 109  | 69344    | 21.461 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.710 | 168  | 600053   | 18.601 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.710 | 165  | 159028   | 20.455 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 127578   | 17.867 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.139 | 149  | 499739   | 17.652 | ng/ul  | 99       |
| 61) Fluorene                  | 15.380 | 166  | 504131   | 19.150 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 255479   | 17.885 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.427 | 138  | 102786   | 25.185 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 88756    | 16.374 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 418921   | 17.029 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.286 | 248  | 162873   | 16.449 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 197564   | 17.401 | ng/ul  | 97       |
| 70) Atrazine                  | 16.580 | 200  | 159895   | 17.834 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.768 | 266  | 147352   | 23.896 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.163 | 178  | 812419   | 18.538 | ng/ul  | 99       |
| 74) Anthracene                | 17.257 | 178  | 833580   | 18.658 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.092 | 216  | 217985   | 16.121 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.622 | 250  | 220382   | 16.403 | ng/uL  | 98       |
| 77) Carbazole                 | 17.557 | 167  | 747325   | 20.462 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.121 | 149  | 838011   | 16.631 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.262 | 202  | 989101   | 15.753 | ng/ul  | 98       |
| 82) Pyrene                    | 19.639 | 202  | 1037218  | 16.234 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 407491   | 15.307 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 339731   | 17.679 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 1048621  | 17.800 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.456 | 149  | 559751   | 14.611 | ng/ul  | 100      |
| 87) Chrysene                  | 21.615 | 228  | 990619   | 18.097 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.709 | 149  | 955831   | 13.833 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.827 | 252  | 1083737  | 17.074 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.898 | 252  | 1128805  | 17.820 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.733 | 252  | 1065361  | 17.762 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.656 | 276  | 1413348m | 18.286 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.721 | 278  | 1156626  | 18.071 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 29.833 | 276  | 1159351  | 18.418 | ng/ul  | 98       |

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

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 ALS Vial : 17 Sample Multiplier: 1

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