

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101424\  
 Data File : BP022359.D  
 Acq On : 14 Oct 2024 17:20  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020651

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024  
 Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 14 18:25:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 14 11:01:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 129655   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.457 | 136  | 496074   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.304 | 164  | 389692   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 975384   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.557 | 240  | 1023473  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.851 | 264  | 1173246  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.223  | 96   | 21612    | 6.478  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 162369   | 17.727 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 209531   | 19.198 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 119635   | 18.650 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 157624   | 20.354 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.405  | 113  | 169254   | 19.432 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 76513    | 20.059 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143  | 91703    | 20.766 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 189915   | 20.235 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 213878   | 19.285 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.710 | 166  | 568283   | 18.354 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 648761   | 19.728 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 101734   | 19.586 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.316 | 176  | 520178   | 19.370 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 117442   | 18.308 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 899848   | 19.611 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.581 | 212  | 1117314  | 20.644 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.610 | 264  | 1178395  | 18.807 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 23680    | 6.601  | ng/uL  | 98       |
| 5) Pyridine                   | 3.652  | 79   | 168501   | 17.942 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.858  | 77   | 128370   | 21.765 | ng/u1  | 94       |
| 8) Phenol                     | 6.911  | 94   | 214409   | 18.882 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.128  | 93   | 164279   | 19.331 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.275  | 128  | 158745   | 19.823 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.140  | 108  | 159095   | 19.306 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.211  | 45   | 178587   | 18.082 | ng/u1  | 99       |
| 16) Acetophenone              | 8.511  | 105  | 268177   | 18.650 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.493  | 70   | 134004   | 18.394 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.463  | 108  | 169549   | 18.547 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.758  | 117  | 70646    | 18.942 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.881  | 77   | 213737   | 18.773 | ng/u1  | 97       |
| 23) Isophorone                | 9.399  | 82   | 381161   | 18.672 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.581  | 139  | 94799    | 19.919 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 196705   | 19.016 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.869  | 93   | 216823   | 18.706 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 180952   | 19.578 | ng/u1  | 99       |
| 30) Naphthalene               | 10.510 | 128  | 516995   | 19.567 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.616 | 127  | 209811   | 19.165 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.787 | 225  | 146209   | 18.769 | ng/u1  | 99       |
| 34) Caprolactam               | 11.393 | 113  | 55860m   | 18.746 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.746 | 107  | 196628   | 19.498 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.110 | 142  | 374990   | 19.334 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.328 | 142  | 389531   | 19.677 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216  | 276524   | 19.191 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.463 | 237  | 123029   | 14.014 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.734 | 196  | 174483   | 19.251 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.804 | 196  | 192786   | 19.976 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 538685   | 19.178 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.175 | 162  | 453466   | 19.721 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.375 | 65   | 125180   | 18.232 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.757 | 163  | 568177   | 18.416 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.881 | 165  | 119301   | 20.444 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.028 | 152  | 702285   | 20.577 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.210 | 138  | 110277   | 20.120 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.369 | 153  | 460440   | 19.078 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.428 | 184  | 88629    | 20.642 | ng/ul  | 100      |
| 55) 4-Nitrophenol             | 14.540 | 109  | 112336   | 19.486 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.710 | 168  | 696893   | 19.223 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.687 | 165  | 181491   | 20.014 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 178095   | 19.771 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.145 | 149  | 548598   | 18.534 | ng/ul  | 98       |
| 61) Fluorene                  | 15.375 | 166  | 575427   | 19.481 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.363 | 204  | 324768   | 19.226 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.398 | 138  | 123978   | 22.479 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198  | 126276   | 18.275 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.581 | 169  | 490782   | 18.789 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 226909   | 19.291 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 280402   | 19.367 | ng/ul  | 98       |
| 70) Atrazine                  | 16.557 | 200  | 192292   | 17.711 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.763 | 266  | 179483   | 19.280 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.157 | 178  | 1004259  | 19.245 | ng/ul  | 99       |
| 74) Anthracene                | 17.251 | 178  | 1027994  | 19.740 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.099 | 216  | 272945   | 18.378 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.628 | 250  | 297392   | 18.114 | ng/uL  | 99       |
| 77) Carbazole                 | 17.534 | 167  | 889383   | 19.301 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.116 | 149  | 971708   | 19.058 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.233 | 202  | 1316684  | 21.161 | ng/ul  | 100      |
| 82) Pyrene                    | 19.616 | 202  | 1369311  | 20.533 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.569 | 149  | 464752   | 20.017 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 501045   | 20.537 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 1393383  | 19.420 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 648883   | 19.470 | ng/ul  | 99       |
| 87) Chrysene                  | 21.604 | 228  | 1283939  | 19.299 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.710 | 149  | 1119743  | 20.065 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.804 | 252  | 1437367  | 19.463 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.869 | 252  | 1415163  | 19.572 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.686 | 252  | 1319107  | 19.407 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.592 | 276  | 1661170m | 18.315 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.680 | 278  | 1367303  | 18.616 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.739 | 276  | 1306564  | 18.520 | ng/ul  | 100      |

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

