

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050222\  
 Data File : BN019639.D  
 Acq On : 03 May 2022 02:54  
 Operator : CG/JU  
 Sample : PB144499BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS499

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/05/2022  
 Supervised By :Yogesh Patel 05/09/2022

Quant Time: May 03 04:06:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN042722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 03 03:31:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.869  | 152  | 157228   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.663 | 136  | 661937   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.493 | 164  | 397113   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.228 | 188  | 798451   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.410 | 240  | 738373   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.763 | 264  | 750574   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 24714    | 5.932  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 311234   | 29.500 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.034  | 99   | 411451   | 30.198 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.199  | 67   | 254204   | 32.165 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.405  | 132  | 340552   | 31.511 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 339008   | 32.479 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.022  | 128  | 166528   | 34.505 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.746  | 143  | 171388   | 36.034 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.281 | 165  | 306820   | 32.226 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.793 | 131  | 427428   | 29.574 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.898 | 166  | 927432   | 34.002 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.181 | 160  | 1123210  | 30.457 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.675 | 143  | 187193   | 35.288 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.481 | 176  | 788261   | 32.738 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 200  | 133621   | 32.781 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.328 | 188  | 1183082  | 31.463 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.616 | 212  | 1313554  | 30.943 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.610 | 264  | 1271188  | 33.131 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.375  | 88   | 47784    | 11.246 | ng/uL# | 92       |
| 5) Pyridine                   | 3.764  | 79   | 339736   | 30.559 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.011  | 77   | 266307   | 38.135 | ng/u1  | 89       |
| 8) Phenol                     | 7.058  | 94   | 442070   | 32.243 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.293  | 93   | 337028   | 31.681 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.434  | 128  | 359045   | 32.713 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.305  | 108  | 324715   | 31.986 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.405  | 45   | 514615   | 33.659 | ng/u1  | 97       |
| 16) Acetophenone              | 8.687  | 105  | 515523   | 32.913 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 253727   | 34.806 | ng/u1  | 91       |
| 18) 4-Methylphenol            | 8.634  | 108  | 358438   | 32.977 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.952  | 117  | 144409   | 32.457 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.063  | 77   | 383747   | 33.724 | ng/u1  | 93       |
| 23) Isophorone                | 9.593  | 82   | 700475   | 34.516 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.775  | 139  | 188948   | 35.180 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.840  | 107  | 377533   | 31.555 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.075 | 93   | 430961   | 32.293 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 318260   | 33.341 | ng/u1  | 99       |
| 30) Naphthalene               | 10.710 | 128  | 1109229  | 31.289 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.816 | 127  | 422406   | 29.078 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.010 | 225  | 179176   | 31.288 | ng/u1  | 98       |
| 34) Caprolactam               | 11.569 | 113  | 106127m  | 39.312 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.940 | 107  | 357725   | 35.406 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.322 | 142  | 740812   | 32.470 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.540 | 142  | 761675   | 33.347 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.687 | 216  | 343413   | 31.166 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.675 | 237  | 177909   | 26.240 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.922 | 196  | 234715   | 34.147 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 12.993 | 196  | 262020   | 35.108 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.328 | 154  | 968493   | 30.846 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.369 | 162  | 743902   | 31.011 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.563 | 65   | 227788   | 39.571 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.951 | 163  | 906228   | 33.457 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.063 | 165  | 184831   | 39.556 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.210 | 152  | 1216936  | 32.119 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.387 | 138  | 196469   | 41.021 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.551 | 153  | 785248   | 31.667 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.587 | 184  | 89927    | 34.695 | ng/ul  | 86       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 160214   | 38.009 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.887 | 168  | 1090392  | 31.479 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 273856   | 40.305 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.116 | 232  | 201943   | 37.096 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.316 | 149  | 935786   | 35.125 | ng/ul  | 97       |
| 61) Fluorene                  | 15.534 | 166  | 849585   | 31.595 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.534 | 204  | 389069   | 32.001 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.545 | 138  | 211272   | 51.469 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 133656   | 32.238 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 749218   | 30.581 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.422 | 248  | 236419   | 31.519 | ng/ul# | 89       |
| 69) Hexachlorobenzene         | 16.539 | 284  | 262477   | 31.110 | ng/ul# | 88       |
| 70) Atrazine                  | 16.692 | 200  | 262809   | 33.628 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.881 | 266  | 169963   | 33.195 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.269 | 178  | 1386942  | 31.083 | ng/ul  | 98       |
| 74) Anthracene                | 17.363 | 178  | 1409743  | 31.628 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.293 | 216  | 345443   | 28.066 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 320036   | 29.847 | ng/uL  | 92       |
| 77) Carbazole                 | 17.628 | 167  | 1335642  | 32.962 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 1601647  | 36.950 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.286 | 202  | 1624495  | 32.464 | ng/ul  | 99       |
| 82) Pyrene                    | 19.645 | 202  | 1648524  | 31.627 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.551 | 149  | 713221   | 36.991 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.327 | 252  | 466034   | 31.428 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.398 | 228  | 1554135  | 32.863 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1074734  | 36.328 | ng/ul  | 97       |
| 87) Chrysene                  | 21.445 | 228  | 1515801  | 32.631 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.251 | 149  | 1843741  | 35.882 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 1650821  | 33.998 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.098 | 252  | 1512307  | 34.336 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.657 | 252  | 1571309  | 34.077 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.186 | 276  | 1781081  | 33.706 | ng/ul  | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.204 | 278  | 1546603  | 34.230 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 26.933 | 276  | 1526178  | 32.836 | ng/ul  | 95       |

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

