

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072722\  
 Data File : BM035946.D  
 Acq On : 27 Jul 2022 12:17  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020133

Quant Time: Jul 27 23:12:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM072522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 27 03:28:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.892  | 152  | 279220   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.704 | 136  | 1120115  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.533 | 164  | 652019   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.274 | 188  | 1334287  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.450 | 240  | 1278957  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.838 | 264  | 1393174  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 59815    | 8.061  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.704  | 84   | 383962   | 18.888 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.063  | 99   | 438415   | 18.724 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 281527   | 18.036 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.422  | 132  | 400003   | 20.581 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.610  | 113  | 353701   | 18.646 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 193372   | 21.786 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.786  | 143  | 198749   | 22.983 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 337729   | 21.594 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.839 | 131  | 531359   | 20.069 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 941976   | 21.209 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.227 | 160  | 1199051  | 21.159 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 183889   | 20.162 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.521 | 176  | 834859   | 20.802 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 145095   | 20.230 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.374 | 188  | 1271785  | 21.083 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.662 | 212  | 1428899  | 20.159 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.685 | 264  | 1437946  | 20.330 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.310  | 88   | 61437    | 7.990  | ng/uL  | 93       |
| 5) Pyridine                   | 3.722  | 79   | 397455   | 18.632 | ng/u1  | 88       |
| 6) Benzaldehyde               | 7.034  | 77   | 135379   | 13.776 | ng/u1  | 98       |
| 8) Phenol                     | 7.087  | 94   | 476097   | 18.580 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 376302   | 18.266 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.457  | 128  | 401068   | 20.116 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.345  | 108  | 356437   | 18.620 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.428  | 45   | 480995   | 17.689 | ng/u1  | 96       |
| 16) Acetophenone              | 8.722  | 105  | 557899   | 18.318 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.710  | 70   | 277069   | 18.243 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 8.675  | 108  | 377973   | 18.405 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.969  | 117  | 168019   | 20.425 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.104  | 77   | 403392   | 19.861 | ng/u1  | 97       |
| 23) Isophorone                | 9.633  | 82   | 761101   | 19.851 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.816  | 139  | 211967   | 22.094 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.880  | 107  | 404174   | 20.617 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93   | 475191   | 19.651 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 346731   | 21.359 | ng/u1  | 98       |
| 30) Naphthalene               | 10.751 | 128  | 1208519  | 20.441 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 526260   | 20.009 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.027 | 225  | 223848   | 22.337 | ng/u1  | 99       |
| 34) Caprolactam               | 11.651 | 113  | 112799   | 21.025 | ng/u1  | 86       |
| 35) 4-Chloro-3-methylphenol   | 11.992 | 107  | 349841   | 20.726 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.363 | 142  | 781179   | 20.195 | ng/u1  | 97       |

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| 37) 1-Methylnaphthalene       | 12.580 | 142  | 786561   | 20.174 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.727 | 216  | 389380   | 20.979 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.704 | 237  | 246996   | 19.981 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.974 | 196  | 265789   | 22.378 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.045 | 196  | 279545   | 22.057 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.368 | 154  | 1026690  | 20.458 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.416 | 162  | 795808   | 20.662 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.621 | 65   | 222964   | 20.998 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.992 | 163  | 938814   | 21.014 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.115 | 165  | 196946   | 22.205 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.257 | 152  | 1304670  | 20.812 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.445 | 138  | 162839   | 16.612 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.598 | 153  | 817917   | 20.112 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.663 | 184  | 98515    | 19.562 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 140127   | 20.088 | ng/ul  | 84       |
| 56) Dibenzofuran              | 14.933 | 168  | 1162422  | 20.658 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 277946   | 22.231 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 220748   | 22.169 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.351 | 149  | 977951   | 21.642 | ng/ul  | 100      |
| 61) Fluorene                  | 15.580 | 166  | 943235   | 20.520 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.574 | 204  | 449162   | 20.394 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.604 | 138  | 144884   | 16.055 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.674 | 198  | 145820   | 20.318 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.786 | 169  | 788908   | 20.112 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.462 | 248  | 274993   | 21.023 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.580 | 284  | 338447   | 21.235 | ng/ul  | 95       |
| 70) Atrazine                  | 16.739 | 200  | 291879   | 21.453 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.927 | 266  | 196653   | 20.197 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.315 | 178  | 1452102  | 20.305 | ng/ul  | 99       |
| 74) Anthracene                | 17.409 | 178  | 1485586  | 20.702 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.333 | 216  | 407772   | 19.652 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.851 | 250  | 387201   | 20.586 | ng/ul  | 99       |
| 77) Carbazole                 | 17.680 | 167  | 1398989  | 21.108 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.245 | 149  | 1733793  | 23.186 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.333 | 202  | 1713704  | 20.235 | ng/ul  | 96       |
| 82) Pyrene                    | 19.692 | 202  | 1738661  | 19.918 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.592 | 149  | 753621   | 23.738 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.368 | 252  | 516801   | 21.897 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 1689798  | 20.991 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.362 | 149  | 1108876  | 24.172 | ng/ul  | 99       |
| 87) Chrysene                  | 21.491 | 228  | 1629905  | 20.751 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.286 | 149  | 1898783  | 21.105 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.109 | 252  | 1797774  | 19.336 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.156 | 252  | 1733712  | 19.650 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.733 | 252  | 1784806  | 20.154 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.326 | 276  | 2109187  | 22.344 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 26.344 | 278  | 1809684  | 22.346 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 27.097 | 276  | 1773709  | 22.674 | ng/ul  | 95       |

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

