

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110322\  
 Data File : BM037338.D  
 Acq On : 03 Nov 2022 09:15  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020197

Quant Time: Nov 04 00:58:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM110122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 02 03:33:37 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/04/2022  
 Supervised By : Jagrut Upadhyay 11/07/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.851  | 152  | 302892   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.651 | 136  | 1380683  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.486 | 164  | 882248   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 1851173  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.397 | 240  | 1969217  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.744 | 264  | 1819501  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 57611    | 8.384  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 414414   | 20.204 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.022  | 99   | 511655   | 19.410 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.187  | 67   | 325061   | 20.096 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.381  | 132  | 418269   | 20.768 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.569  | 113  | 420688   | 19.544 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.022  | 128  | 216194   | 20.962 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.739  | 143  | 232643   | 20.708 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.275 | 165  | 441188   | 21.301 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.798 | 131  | 628270   | 19.849 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.904 | 166  | 1259375  | 20.645 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.180 | 160  | 1545477  | 21.074 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.704 | 143  | 240702   | 19.741 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.474 | 176  | 1154881  | 21.230 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 200  | 212782   | 18.148 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.321 | 188  | 1830959  | 21.476 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.615 | 212  | 2072927  | 20.144 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.591 | 264  | 1964977  | 20.980 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 62722    | 8.689  | ng/uL  | 99       |
| 5) Pyridine                   | 3.710  | 79   | 418432   | 20.367 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.998  | 77   | 312669   | 25.640 | ng/u1  | 97       |
| 8) Phenol                     | 7.051  | 94   | 541145   | 19.512 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.281  | 93   | 447260   | 20.101 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.416  | 128  | 452396   | 20.759 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.304  | 108  | 416521   | 19.685 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 646148   | 20.447 | ng/u1  | 99       |
| 16) Acetophenone              | 8.681  | 105  | 695593   | 20.150 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.663  | 70   | 351560   | 20.503 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.634  | 108  | 464365   | 19.923 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.922  | 117  | 188000   | 21.737 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.063  | 77   | 524073   | 21.053 | ng/u1  | 99       |
| 23) Isophorone                | 9.586  | 82   | 963113   | 20.060 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.769  | 139  | 265299   | 20.661 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.834  | 107  | 511183   | 21.173 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.069 | 93   | 621428   | 20.819 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 450314   | 21.127 | ng/u1  | 99       |
| 30) Naphthalene               | 10.698 | 128  | 1566310  | 21.263 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.822 | 127  | 659202   | 20.099 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.975 | 225  | 280102   | 21.339 | ng/u1  | 99       |
| 34) Caprolactam               | 11.610 | 113  | 131079   | 18.688 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.945 | 107  | 460672   | 20.837 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.310 | 142  | 1062908  | 20.894 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.527 | 142  | 1079400  | 21.086 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.675 | 216  | 557950   | 21.072 | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.651 | 237  | 265620   | 17.944 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.922 | 196  | 361234   | 21.133 | ng/u1 | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.992 | 196  | 389697   | 21.173 | ng/u1 | 100      |
| 43) 1,1'-Biphenyl             | 13.322 | 154  | 1412564  | 21.542 | ng/u1 | 100      |
| 44) 2-Chloronaphthalene       | 13.363 | 162  | 1116627  | 21.192 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.580 | 65   | 298992   | 21.520 | ng/u1 | 98       |
| 47) Dimethylphthalate         | 13.951 | 163  | 1348325  | 20.751 | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.074 | 165  | 271684   | 21.355 | ng/u1 | 100      |
| 50) Acenaphthylene            | 14.210 | 152  | 1713241  | 21.373 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.404 | 138  | 289366   | 21.077 | ng/u1 | 98       |
| 52) Acenaphthene              | 14.551 | 153  | 1220959  | 21.407 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.616 | 184  | 143621   | 16.811 | ng/u1 | 99       |
| 55) 4-Nitrophenol             | 14.716 | 109  | 181507   | 20.243 | ng/u1 | 96       |
| 56) Dibenzofuran              | 14.880 | 168  | 1643766  | 21.344 | ng/u1 | 98       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 394940   | 21.186 | ng/u1 | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.110 | 232  | 338933   | 21.152 | ng/u1 | 100      |
| 59) Diethylphthalate          | 15.310 | 149  | 1359098  | 21.001 | ng/u1 | 99       |
| 61) Fluorene                  | 15.527 | 166  | 1408033  | 21.614 | ng/u1 | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.527 | 204  | 682664   | 21.324 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.568 | 138  | 295831m  | 23.176 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.615 | 198  | 229692   | 18.441 | ng/u1 | 95       |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 1164030  | 21.212 | ng/u1 | 100      |
| 68) 4-Bromophenyl-phenylether | 16.421 | 248  | 407933   | 20.714 | ng/u1 | 98       |
| 69) Hexachlorobenzene         | 16.527 | 284  | 504679   | 20.998 | ng/u1 | 97       |
| 70) Atrazine                  | 16.698 | 200  | 394399   | 20.302 | ng/u1 | 98       |
| 71) Pentachlorophenol         | 16.874 | 266  | 281501   | 19.139 | ng/u1 | 97       |
| 72) Phenanthrene              | 17.268 | 178  | 2226647  | 21.512 | ng/u1 | 100      |
| 74) Anthracene                | 17.357 | 178  | 2256212  | 21.664 | ng/u1 | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.280 | 216  | 555617   | 20.712 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 14.798 | 250  | 607724   | 20.821 | ng/uL | 99       |
| 77) Carbazole                 | 17.633 | 167  | 2003759  | 21.327 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 2346195  | 21.675 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.280 | 202  | 2571988  | 20.312 | ng/u1 | 100      |
| 82) Pyrene                    | 19.645 | 202  | 2761774  | 20.703 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.539 | 149  | 1118744  | 21.592 | ng/u1 | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.321 | 252  | 975530   | 21.375 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.386 | 228  | 2727261  | 21.580 | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.309 | 149  | 1639012  | 22.687 | ng/u1 | 100      |
| 87) Chrysene                  | 21.439 | 228  | 2537872  | 21.342 | ng/u1 | 100      |
| 89) Di-n-octyl phthalate      | 22.215 | 149  | 2723735  | 20.575 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.027 | 252  | 2578351  | 20.370 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.074 | 252  | 2586521  | 20.871 | ng/u1 | 100      |
| 93) Benzo(a)pyrene            | 23.639 | 252  | 2227572  | 21.043 | ng/u1 | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.168 | 276  | 2422160  | 21.380 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.180 | 278  | 2174680  | 21.345 | ng/u1 | 100      |
| 96) Benzo(g,h,i)perylene      | 26.915 | 276  | 2062114  | 21.243 | ng/u1 | 99       |

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

