

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102624\  
 Data File : BM048245.D  
 Acq On : 26 Oct 2024 13:12  
 Operator : RC/JU  
 Sample : SSTD08052  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080038

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/28/2024  
 Supervised By :mohammad ahmed 10/28/2024

Quant Time: Oct 27 23:33:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM102624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 27 23:07:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 273903   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.516 | 136  | 1083950  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.368 | 164  | 634390   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.109 | 188  | 1227161  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.339 | 240  | 1012383  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.285 | 264  | 1174591  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 211815   | 29.364 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 1594403  | 82.149 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.910  | 99   | 1868604  | 84.221 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 1143237  | 86.746 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.263  | 132  | 1592227  | 82.970 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.451  | 113  | 1471309  | 85.203 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.886  | 128  | 761021   | 83.198 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.604  | 143  | 853196   | 84.292 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.145 | 165  | 1454261  | 81.578 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.657 | 131  | 1924984  | 82.501 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.786 | 166  | 3647141  | 79.155 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.063 | 160  | 4305180  | 78.583 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 720514   | 84.604 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.363 | 176  | 3027533  | 76.963 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 200  | 672912   | 84.778 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.215 | 188  | 4451231  | 76.482 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.503 | 212  | 4962145  | 80.212 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.097 | 264  | 4967780  | 79.185 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.204  | 88   | 223525   | 29.591 | ng/uL  | 99       |
| 5) Pyridine                   | 3.604  | 79   | 1624766  | 81.929 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.869  | 77   | 842193   | 82.026 | ng/u1  | 95       |
| 8) Phenol                     | 6.934  | 94   | 1953640  | 85.604 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.151  | 93   | 1544051  | 84.298 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.292  | 128  | 1589396  | 82.199 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.175  | 108  | 1456983  | 84.396 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.245  | 45   | 2283189  | 88.305 | ng/u1  | 99       |
| 16) Acetophenone              | 8.551  | 105  | 2248229  | 84.899 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.557  | 70   | 1113160  | 88.782 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.516  | 108  | 1586041  | 85.392 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.798  | 117  | 650753   | 79.170 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.928  | 77   | 1682664  | 85.013 | ng/u1  | 99       |
| 23) Isophorone                | 9.463  | 82   | 3162627  | 83.551 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.633  | 139  | 908055   | 84.128 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.704  | 107  | 1590631  | 84.595 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.933  | 93   | 1971122  | 83.118 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.175 | 162  | 1438188  | 80.538 | ng/u1  | 99       |
| 30) Naphthalene               | 10.569 | 128  | 4717008  | 78.724 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.680 | 127  | 1855036  | 82.445 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.851 | 225  | 931187   | 78.892 | ng/u1  | 100      |
| 34) Caprolactam               | 11.498 | 113  | 442000m  | 80.024 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.822 | 107  | 1431210  | 83.375 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.180 | 142  | 3121160  | 80.036 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.404 | 142  | 3118314  | 79.396 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.557 | 216  | 1658806  | 80.255 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.533 | 237  | 1004095  | 86.811 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.798 | 196  | 1109127  | 81.596 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.874 | 196  | 1171617  | 81.849 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.198 | 154  | 3840149  | 78.378 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.245 | 162  | 3016658  | 77.648 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.457 | 65   | 898000   | 88.933 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.833 | 163  | 3648842  | 78.752 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.957 | 165  | 798366   | 86.763 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.092 | 152  | 4545034  | 76.688 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.286 | 138  | 792390   | 82.557 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.433 | 153  | 3132848  | 76.401 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.492 | 184  | 533473   | 87.869 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.616 | 109  | 515037   | 86.924 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.768 | 168  | 4227856  | 75.362 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.745 | 165  | 1103038  | 84.383 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 922354   | 79.878 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.198 | 149  | 3630242  | 79.006 | ng/ul  | 100      |
| 61) Fluorene                  | 15.421 | 166  | 3184955  | 72.638 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 1626427  | 74.586 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.457 | 138  | 665401   | 80.047 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.510 | 198  | 712143   | 83.406 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.627 | 169  | 2818047  | 76.361 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.304 | 248  | 1062367  | 79.796 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.421 | 284  | 1240072  | 78.811 | ng/ul  | 99       |
| 70) Atrazine                  | 16.586 | 200  | 1051054  | 84.862 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.768 | 266  | 841129   | 82.912 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.157 | 178  | 5114462  | 76.189 | ng/ul  | 99       |
| 74) Anthracene                | 17.245 | 178  | 5082334  | 75.448 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.163 | 216  | 1651322  | 80.048 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.692 | 250  | 1539937  | 76.660 | ng/ul  | 99       |
| 77) Carbazole                 | 17.521 | 167  | 4622925  | 77.476 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.080 | 149  | 6160922  | 78.393 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.168 | 202  | 5741930  | 79.774 | ng/ul  | 99       |
| 82) Pyrene                    | 19.533 | 202  | 5907764  | 77.050 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.427 | 149  | 2784916  | 83.607 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.245 | 252  | 1761696  | 78.023 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.321 | 228  | 5782765  | 78.558 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 3837482  | 79.697 | ng/ul  | 100      |
| 87) Chrysene                  | 21.380 | 228  | 5352140  | 77.155 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.356 | 149  | 7140579  | 84.251 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.362 | 252  | 5945749  | 80.364 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.427 | 252  | 5708996  | 77.477 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.162 | 252  | 5434590  | 78.907 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.632 | 276  | 7225021  | 80.918 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.691 | 278  | 5789112  | 80.247 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.673 | 276  | 5629706  | 81.016 | ng/ul  | 98       |

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

