

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121124\  
 Data File : BM048959.D  
 Acq On : 11 Dec 2024 18:20  
 Operator : RC/JU  
 Sample : SSTD04063  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD040002

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/12/2024  
 Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 12 00:43:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 12 00:21:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 194347   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.339 | 136  | 786865   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.210 | 164  | 438558   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.956 | 188  | 774665   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.186 | 240  | 726322   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.997 | 264  | 673592   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.151  | 96   | 88647    | 18.184 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.540  | 84   | 692397   | 51.536 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.757  | 99   | 699509   | 47.282 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.922  | 67   | 482081   | 54.251 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.110  | 132  | 543022   | 44.310 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.281  | 113  | 524296   | 45.070 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.716  | 128  | 254451   | 44.616 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.433  | 143  | 245430   | 40.459 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.969  | 165  | 493733   | 43.813 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.480 | 131  | 720185   | 44.993 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.633 | 166  | 1278560  | 45.671 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.898 | 160  | 1620012  | 49.081 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.421 | 143  | 245448   | 47.204 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.210 | 176  | 1115809  | 45.660 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.327 | 200  | 163562   | 41.971 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.056 | 188  | 1647715  | 50.263 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.356 | 212  | 1773010  | 48.641 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.809 | 264  | 1532073  | 48.680 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.181  | 88   | 96368    | 18.012 | ng/uL  | 96       |
| 5) Pyridine                   | 3.557  | 79   | 722495   | 52.386 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.722  | 77   | 419242   | 57.344 | ng/u1  | 100      |
| 8) Phenol                     | 6.787  | 94   | 759606   | 48.936 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.010  | 93   | 603541   | 49.477 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.145  | 128  | 566337   | 44.607 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.016  | 108  | 520294   | 45.281 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.098  | 45   | 890070   | 49.617 | ng/u1  | 100      |
| 16) Acetophenone              | 8.386  | 105  | 896364   | 49.432 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.386  | 70   | 468400   | 54.966 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.345  | 108  | 572796   | 45.527 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.639  | 117  | 240473   | 44.820 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.757  | 77   | 675812   | 52.262 | ng/u1  | 100      |
| 23) Isophorone                | 9.286  | 82   | 1193414  | 49.894 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.463  | 139  | 286997   | 43.413 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.533  | 107  | 556767   | 45.089 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.769  | 93   | 756538   | 50.671 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 9.992  | 162  | 501466   | 43.870 | ng/u1  | 98       |
| 30) Naphthalene               | 10.386 | 128  | 1751438  | 43.976 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.504 | 127  | 695100   | 46.056 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.686 | 225  | 308619   | 39.897 | ng/u1  | 97       |
| 34) Caprolactam               | 11.274 | 113  | 147828m  | 41.033 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.633 | 107  | 493542   | 44.620 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.010 | 142  | 1129918  | 44.340 | ng/u1  | 100      |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.233 | 142  | 1117741  | 42.740 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.386 | 216  | 578355   | 46.021 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.369 | 237  | 336633   | 52.405 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.627 | 196  | 342920   | 43.199 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.698 | 196  | 372190   | 44.027 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.039 | 154  | 1416227  | 47.228 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.074 | 162  | 1115416  | 47.138 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.280 | 65   | 323140   | 54.379 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.680 | 163  | 1274716  | 45.329 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.792 | 165  | 241054   | 44.965 | ng/ul  | 94       |
| 50) Acenaphthylene            | 13.927 | 152  | 1741239  | 47.860 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.115 | 138  | 265343   | 45.577 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.274 | 153  | 1211729  | 47.308 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.321 | 184  | 102567   | 35.583 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.433 | 109  | 174842   | 46.511 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.610 | 168  | 1599347  | 45.263 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.580 | 165  | 349474   | 44.847 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.839 | 232  | 273259   | 38.859 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.057 | 149  | 1256384  | 45.346 | ng/ul  | 98       |
| 61) Fluorene                  | 15.262 | 166  | 1345475  | 48.096 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.268 | 204  | 661374   | 47.987 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.286 | 138  | 258761   | 45.137 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.345 | 198  | 183991   | 43.386 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.480 | 169  | 1021463  | 50.030 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.162 | 248  | 337315   | 46.171 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.268 | 284  | 390132   | 44.246 | ng/ul  | 97       |
| 70) Atrazine                  | 16.445 | 200  | 352593   | 47.450 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.609 | 266  | 223400   | 39.865 | ng/ul  | 97       |
| 72) Phenanthrene              | 16.998 | 178  | 1892333  | 49.254 | ng/ul  | 100      |
| 74) Anthracene                | 17.092 | 178  | 1925917  | 49.948 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.998 | 216  | 548779   | 49.659 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.533 | 250  | 523975   | 48.665 | ng/uL  | 99       |
| 77) Carbazole                 | 17.362 | 167  | 1754487  | 50.517 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 1950017  | 47.757 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.021 | 202  | 2031574  | 48.034 | ng/ul  | 98       |
| 82) Pyrene                    | 19.386 | 202  | 2240402  | 48.853 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.315 | 149  | 764070   | 43.374 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.103 | 252  | 532584   | 40.357 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.168 | 228  | 2082024  | 45.473 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.127 | 149  | 1093595  | 42.555 | ng/ul  | 99       |
| 87) Chrysene                  | 21.227 | 228  | 1943030  | 44.162 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.203 | 149  | 1661302  | 43.750 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.121 | 252  | 1841482  | 49.662 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.180 | 252  | 1916100  | 51.827 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.868 | 252  | 1751032  | 50.227 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.126 | 276  | 2127212  | 46.952 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.185 | 278  | 1731130  | 46.781 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.103 | 276  | 1623126  | 45.691 | ng/ul  | 99       |

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

