

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011325\  
 Data File : BM049339.D  
 Acq On : 13 Jan 2025 15:41  
 Operator : RC/JU  
 Sample : SST08070  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD080010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/16/2025

Quant Time: Jan 13 16:22:29 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 13 15:05:49 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.522  | 152  | 297321   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.287 | 136  | 1168590  | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.163 | 164  | 759054   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.921 | 188  | 1403597  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.151 | 240  | 1160170  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.933 | 264  | 1011600  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.122  | 96   | 218360   | 26.186  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.511  | 84   | 1819288  | 72.050  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.728  | 99   | 2044456  | 77.586  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.881  | 67   | 1301645  | 72.669  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.069  | 132  | 1624085  | 84.040  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.251  | 113  | 1588230  | 79.711  | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.675  | 128  | 767286   | 88.850  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.387  | 143  | 899963   | 106.738 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.922  | 165  | 1743533  | 98.727  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.434 | 131  | 2163213  | 81.851  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.592 | 166  | 4433786  | 81.587  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.857 | 160  | 5321055  | 81.382  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.410 | 143  | 764904   | 76.014  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.169 | 176  | 3835373  | 81.331  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.304 | 200  | 775163   | 97.476  | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.021 | 188  | 5653017  | 80.117  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.321 | 212  | 6265541  | 92.321  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.750 | 264  | 4864748  | 90.532  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.152  | 88   | 232384   | 25.873  | ng/uL  | 98       |
| 5) Pyridine                   | 3.528  | 79   | 1814823  | 69.565  | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.681  | 77   | 865726   | 61.802  | ng/u1  | 97       |
| 8) Phenol                     | 6.751  | 94   | 2108004  | 74.904  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 6.969  | 93   | 1674539  | 74.663  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.099  | 128  | 1654233  | 81.460  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 7.975  | 108  | 1559166  | 79.626  | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.046  | 45   | 2458964  | 73.688  | ng/u1  | 99       |
| 16) Acetophenone              | 8.345  | 105  | 2492640  | 75.009  | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.357  | 70   | 1317515  | 79.567  | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.316  | 108  | 1716995  | 79.798  | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.587  | 117  | 684612   | 77.897  | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.716  | 77   | 1878372  | 80.257  | ng/u1  | 98       |
| 23) Isophorone                | 9.251  | 82   | 3652340  | 86.477  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.416  | 139  | 960903   | 98.479  | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.492  | 107  | 1680489  | 85.807  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.728  | 93   | 2227950  | 83.227  | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 9.951  | 162  | 1683541  | 93.458  | ng/u1  | 99       |
| 30) Naphthalene               | 10.339 | 128  | 5049165  | 79.969  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.457 | 127  | 2062967  | 81.286  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.628 | 225  | 1149602  | 95.249  | ng/u1  | 100      |
| 34) Caprolactam               | 11.269 | 113  | 468845m  | 82.720  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.604 | 107  | 1583277  | 91.959  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 11.957 | 142  | 3611959  | 87.839  | ng/u1  | 100      |

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Instrument :  
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 SST080010

Manual Integrations  
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 QLast Update : Mon Jan 13 15:05:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.181 | 142  | 3559916  | 86.659  | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.339 | 216  | 2266041  | 92.598  | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.316 | 237  | 1347932  | 89.360  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.586 | 196  | 1414196  | 100.891 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.663 | 196  | 1505081  | 98.126  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 12.992 | 154  | 4564618  | 78.233  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.033 | 162  | 3631379  | 78.284  | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.251 | 65   | 1028843  | 85.604  | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.645 | 163  | 4335295  | 80.035  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.757 | 165  | 914990   | 97.277  | ng/ul  | 99       |
| 50) Acenaphthylene            | 13.886 | 152  | 5378298  | 76.773  | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.086 | 138  | 802982   | 76.528  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.233 | 153  | 3797065  | 76.158  | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.292 | 184  | 573682   | 111.212 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.422 | 109  | 551641   | 73.101  | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.575 | 168  | 5167588  | 76.007  | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.551 | 165  | 1266328  | 91.476  | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.804 | 232  | 1220669  | 104.693 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.022 | 149  | 4155657  | 79.371  | ng/ul  | 99       |
| 61) Fluorene                  | 15.227 | 166  | 4059313  | 72.040  | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.227 | 204  | 2296851  | 81.838  | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.263 | 138  | 656794m  | 66.287  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.322 | 198  | 824833   | 93.959  | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.445 | 169  | 3487607  | 80.318  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.121 | 248  | 1425861  | 97.603  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.227 | 284  | 1590918  | 91.569  | ng/ul  | 98       |
| 70) Atrazine                  | 16.416 | 200  | 1363929  | 82.571  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.574 | 266  | 1041917  | 94.119  | ng/ul  | 96       |
| 72) Phenanthrene              | 16.963 | 178  | 6380589  | 77.520  | ng/ul  | 99       |
| 74) Anthracene                | 17.057 | 178  | 6307596  | 76.100  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.951 | 216  | 2205118  | 93.873  | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.492 | 250  | 2081545  | 90.847  | ng/uL  | 99       |
| 77) Carbazole                 | 17.327 | 167  | 5411302  | 69.977  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.910 | 149  | 6768583  | 83.621  | ng/ul  | 99       |
| 80) Fluoranthene              | 18.986 | 202  | 7180407  | 90.419  | ng/ul  | 100      |
| 82) Pyrene                    | 19.357 | 202  | 7423914  | 85.340  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.280 | 149  | 2727916  | 99.245  | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.068 | 252  | 1731974  | 80.994  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.133 | 228  | 6665635  | 83.198  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.086 | 149  | 3926322  | 98.360  | ng/ul  | 98       |
| 87) Chrysene                  | 21.192 | 228  | 6129052  | 81.541  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.150 | 149  | 6406030  | 95.528  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.068 | 252  | 5993180  | 89.926  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.127 | 252  | 5780612  | 86.035  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.815 | 252  | 5349152  | 86.905  | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.038 | 276  | 6566667  | 88.842  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.091 | 278  | 5356971  | 88.714  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.009 | 276  | 4892899  | 87.056  | ng/ul  | 99       |

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

