

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092724\  
 Data File : BM047683.D  
 Acq On : 27 Sep 2024 20:54  
 Operator : RC/JU  
 Sample : SSTD08040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD080024

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024

10/01/2024

Supervised By :mohammad  
ahmed

Quant Time: Sep 28 02:22:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 28 01:59:50 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.816  | 152  | 183980   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 10.610 | 136  | 768022   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.451 | 164  | 457663   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.186 | 188  | 897545   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.415 | 240  | 862411   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12          | 24.421 | 264  | 921382   | 20.000 | ng/u1 | 0.00     |

|                               |        |     |         |         |       |      |
|-------------------------------|--------|-----|---------|---------|-------|------|
| System Monitoring Compounds   |        |     |         |         |       |      |
| 3) 1,4-Dioxane-d8             | 3.258  | 96  | 165238  | 36.221  | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.675  | 84  | 1321983 | 90.705  | ng/u1 | 0.00 |
| 7) Phenol-d5                  | 6.981  | 99  | 1460917 | 84.712  | ng/u1 | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.146  | 67  | 1001008 | 93.250  | ng/u1 | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.351  | 132 | 1111490 | 84.624  | ng/u1 | 0.00 |
| 15) 4-Methylphenol-d8         | 8.528  | 113 | 1102641 | 81.343  | ng/u1 | 0.01 |
| 21) Nitrobenzene-d5           | 8.975  | 128 | 548327  | 92.449  | ng/u1 | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.692  | 143 | 573583  | 102.367 | ng/u1 | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165 | 1047545 | 91.944  | ng/u1 | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.745 | 131 | 1532836 | 82.205  | ng/u1 | 0.00 |
| 46) Dimethylphthalate-d6      | 13.863 | 166 | 2790937 | 82.968  | ng/u1 | 0.00 |
| 49) Acenaphthylene-d8         | 14.145 | 160 | 3380513 | 83.281  | ng/u1 | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.651 | 143 | 588909  | 88.359  | ng/u1 | 0.02 |
| 60) Fluorene-d10              | 15.445 | 176 | 2443504 | 84.061  | ng/u1 | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 200 | 480181  | 101.200 | ng/u1 | 0.00 |
| 73) Anthracene-d10            | 17.286 | 188 | 3757081 | 86.928  | ng/u1 | 0.00 |
| 81) Pyrene-d10                | 19.574 | 212 | 4251168 | 84.580  | ng/u1 | 0.00 |
| 92) Benzo(a)pyrene-d12        | 24.221 | 264 | 4202922 | 85.840  | ng/u1 | 0.01 |

|                               |        |     |         |         |       |     |
|-------------------------------|--------|-----|---------|---------|-------|-----|
| Target Compounds              |        |     |         | Qvalue  |       |     |
| 2) 1,4-Dioxane                | 3.293  | 88  | 183252  | 37.220  | ng/uL | 99  |
| 5) Pyridine                   | 3.693  | 79  | 1371373 | 91.131  | ng/u1 | 98  |
| 6) Benzaldehyde               | 6.957  | 77  | 606248  | 66.416  | ng/u1 | 99  |
| 8) Phenol                     | 7.010  | 94  | 1543850 | 86.960  | ng/u1 | 98  |
| 10) Bis(2-Chloroethyl)ether   | 7.240  | 93  | 1199255 | 85.422  | ng/u1 | 99  |
| 12) 2-Chlorophenol            | 7.381  | 128 | 1155581 | 84.948  | ng/u1 | 98  |
| 13) 2-Methylphenol            | 8.257  | 108 | 1099458 | 82.271  | ng/u1 | 98  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.340  | 45  | 2253817 | 109.545 | ng/u1 | 99  |
| 16) Acetophenone              | 8.640  | 105 | 1862066 | 85.360  | ng/u1 | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.640  | 70  | 1036780 | 89.555  | ng/u1 | 99  |
| 18) 4-Methylphenol            | 8.593  | 108 | 1226379 | 84.049  | ng/u1 | 100 |
| 19) Hexachloroethane          | 8.898  | 117 | 490998  | 84.002  | ng/u1 | 99  |
| 22) Nitrobenzene              | 9.016  | 77  | 1470492 | 99.216  | ng/u1 | 98  |
| 23) Isophorone                | 9.551  | 82  | 2705541 | 91.539  | ng/u1 | 99  |
| 25) 2-Nitrophenol             | 9.728  | 139 | 627094  | 96.803  | ng/u1 | 97  |
| 26) 2,4-Dimethylphenol        | 9.787  | 107 | 1257095 | 90.217  | ng/u1 | 97  |
| 27) Bis(2-Chloroethoxy)met... | 10.022 | 93  | 1581422 | 88.422  | ng/u1 | 98  |
| 29) 2,4-Dichlorophenol        | 10.263 | 162 | 1058536 | 91.640  | ng/u1 | 100 |
| 30) Naphthalene               | 10.663 | 128 | 3614304 | 85.417  | ng/u1 | 99  |
| 32) 4-Chloroaniline           | 10.769 | 127 | 1495323 | 81.512  | ng/u1 | 99  |
| 33) Hexachlorobutadiene       | 10.957 | 225 | 644880  | 93.604  | ng/u1 | 99  |
| 34) Caprolactam               | 11.557 | 113 | 332362m | 74.706  | ng/u1 |     |
| 35) 4-Chloro-3-methylphenol   | 11.898 | 107 | 1150682 | 88.465  | ng/u1 | 99  |
| 36) 2-Methylnaphthalene       | 12.275 | 142 | 2421054 | 83.238  | ng/u1 | 99  |

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## Instrument :

BNA\_M

## ClientSampleId :

SSTD080024

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024

10/01/2024

Supervised By :mohammad  
ahmed

Quant Time: Sep 28 02:22:10 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Sep 28 01:59:50 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.492 | 142  | 2444023  | 83.167  | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.645 | 216  | 1232998  | 90.749  | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.628 | 237  | 739836   | 79.203  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.880 | 196  | 782706   | 93.884  | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.951 | 196  | 846295   | 93.394  | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.286 | 154  | 3020318  | 83.723  | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.328 | 162  | 2347111  | 84.839  | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.527 | 65   | 861682   | 107.062 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.910 | 163  | 2814837  | 82.382  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.027 | 165  | 573652   | 92.005  | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.175 | 152  | 3729233  | 84.990  | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.351 | 138  | 601632   | 82.647  | ng/ul  | 96       |
| 52) Acenaphthene              | 14.516 | 153  | 2594080  | 83.215  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.557 | 184  | 340457   | 99.234  | ng/ul  | 87       |
| 55) 4-Nitrophenol             | 14.663 | 109  | 484700   | 86.381  | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.851 | 168  | 3426234  | 84.561  | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 840614   | 93.622  | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.074 | 232  | 673524   | 96.592  | ng/ul# | 100      |
| 59) Diethylphthalate          | 15.274 | 149  | 2864627  | 79.241  | ng/ul  | 99       |
| 61) Fluorene                  | 15.498 | 166  | 2882965  | 81.530  | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 1389333  | 84.848  | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.516 | 138  | 532878   | 73.976  | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.574 | 198  | 517624   | 96.512  | ng/ul# | 94       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 2309989  | 82.790  | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.380 | 248  | 783828   | 84.410  | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.498 | 284  | 910995   | 85.860  | ng/ul  | 99       |
| 70) Atrazine                  | 16.657 | 200  | 808685   | 82.505  | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.839 | 266  | 609048   | 91.213  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.233 | 178  | 4319386  | 84.357  | ng/ul  | 99       |
| 74) Anthracene                | 17.321 | 178  | 4421970  | 85.290  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216  | 1202878  | 92.160  | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.774 | 250  | 1162329  | 90.167  | ng/ul  | 98       |
| 77) Carbazole                 | 17.586 | 167  | 3991588  | 84.206  | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.157 | 149  | 4944314  | 80.902  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 4889155  | 82.530  | ng/ul  | 99       |
| 82) Pyrene                    | 19.604 | 202  | 5336025  | 84.509  | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.498 | 149  | 2221046  | 77.056  | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.315 | 252  | 1570456  | 77.021  | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.398 | 228  | 5038647  | 81.790  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.321 | 149  | 3281083  | 75.068  | ng/ul  | 98       |
| 87) Chrysene                  | 21.456 | 228  | 4757437  | 83.705  | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.456 | 149  | 5459671  | 74.174  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.474 | 252  | 4869187  | 82.326  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.539 | 252  | 5030677  | 86.599  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.291 | 252  | 4688479  | 86.289  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.832 | 276  | 6015972  | 90.283  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.897 | 278  | 5012942  | 92.394  | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.897 | 276  | 4640469  | 91.166  | ng/ul  | 99       |

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

