

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081622\  
 Data File : BM036296.D  
 Acq On : 16 Aug 2022 11:49  
 Operator : CG/JU  
 Sample : SSTD01061  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD010013

## Manual Integrations

## APPROVED

Reviewed By :Jagrut

Upadhyay

08/17/2022

Supervised By :Sohil

Jodhani

08/18/2022

Quant Time: Aug 16 14:08:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 16 14:05:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 209533   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.604 | 136  | 888778   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.445 | 164  | 496756   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 921054   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 828613   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.703 | 264  | 865626   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.210  | 96   | 22479    | 4.037  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 146754   | 9.620  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.987  | 99   | 169208   | 9.630  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.139  | 67   | 112011   | 9.562  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.339  | 132  | 138105   | 9.469  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 127756   | 8.975  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.975  | 128  | 64728    | 9.191  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.692  | 143  | 63412    | 9.242  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.239 | 165  | 118432   | 9.543  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.757 | 131  | 179581   | 8.548  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.863 | 166  | 311267   | 9.199  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.139 | 160  | 382261   | 8.854  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.680 | 143  | 43359    | 6.240  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 281630   | 9.210  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.568 | 200  | 34550    | 6.978  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 407034   | 9.775  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.580 | 212  | 433065   | 9.430  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.550 | 264  | 419756   | 9.551  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 23493    | 4.071  | ng/uL  | 97       |
| 5) Pyridine                   | 3.663  | 79   | 150940   | 9.429  | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.951  | 77   | 79460    | 10.775 | ng/u1  | 93       |
| 8) Phenol                     | 7.016  | 94   | 178005   | 9.257  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 148703   | 9.619  | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.369  | 128  | 146872   | 9.816  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.263  | 108  | 129896   | 9.042  | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.339  | 45   | 199623   | 9.783  | ng/u1  | 96       |
| 16) Acetophenone              | 8.633  | 105  | 211770   | 9.266  | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.616  | 70   | 104640   | 9.181  | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.592  | 108  | 142410   | 9.241  | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.875  | 117  | 62666    | 10.151 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.016  | 77   | 158679   | 9.846  | ng/u1  | 97       |
| 23) Isophorone                | 9.539  | 82   | 276654   | 9.094  | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.728  | 139  | 72499    | 9.524  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.792  | 107  | 150337   | 9.665  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93   | 184694   | 9.626  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 121917   | 9.465  | ng/u1  | 98       |
| 30) Naphthalene               | 10.657 | 128  | 474760   | 10.120 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.780 | 127  | 183364   | 8.786  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.933 | 225  | 79550    | 10.004 | ng/u1  | 97       |
| 34) Caprolactam               | 11.574 | 113  | 30582    | 7.184  | ng/u1  | 85       |
| 35) 4-Chloro-3-methylphenol   | 11.916 | 107  | 122413   | 9.140  | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.269 | 142  | 289936   | 9.446  | ng/u1  | 100      |

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 SSTD010013

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.486 | 142  | 297099   | 9.603  | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 138818   | 9.817  | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 64091    | 6.805  | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.886 | 196  | 82328    | 9.098  | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.969 | 196  | 88342    | 9.149  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.280 | 154  | 379660   | 9.930  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.321 | 162  | 291417   | 9.931  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.545 | 65   | 70458    | 8.710  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.910 | 163  | 322020   | 9.461  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.039 | 165  | 55209    | 8.170  | ng/ul# | 84       |
| 50) Acenaphthylene            | 14.168 | 152  | 460832   | 9.649  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.374 | 138  | 55345    | 7.411  | ng/ul  | 100      |
| 52) Acenaphthene              | 14.510 | 153  | 303411   | 9.792  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.586 | 184  | 17605    | 4.588  | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 34826    | 6.553  | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.845 | 168  | 426457   | 9.948  | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 78589    | 8.250  | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.080 | 232  | 65948    | 8.693  | ng/ul# | 90       |
| 59) Diethylphthalate          | 15.274 | 149  | 312876   | 9.088  | ng/ul  | 99       |
| 61) Fluorene                  | 15.492 | 166  | 335165   | 9.571  | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 155946   | 9.294  | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.533 | 138  | 49599m   | 7.214  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 34777    | 7.020  | ng/ul# | 78       |
| 67) N-Nitrosodiphenylamine    | 15.710 | 169  | 268808   | 9.927  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.386 | 248  | 84503    | 9.358  | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.486 | 284  | 102831   | 9.347  | ng/ul  | 96       |
| 70) Atrazine                  | 16.662 | 200  | 82082    | 8.740  | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.851 | 266  | 43134    | 6.418  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.233 | 178  | 487760   | 9.881  | ng/ul  | 98       |
| 74) Anthracene                | 17.321 | 178  | 489201   | 9.876  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.245 | 216  | 140601   | 9.816  | ng/uL  | 94       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 131093   | 10.097 | ng/uL  | 99       |
| 77) Carbazole                 | 17.604 | 167  | 433407   | 9.473  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.162 | 149  | 483345   | 9.364  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.250 | 202  | 523452   | 9.540  | ng/ul  | 98       |
| 82) Pyrene                    | 19.609 | 202  | 556050   | 9.832  | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.515 | 149  | 192462   | 9.357  | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.297 | 252  | 162840   | 10.650 | ng/ul  | 94       |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 500896   | 9.604  | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.291 | 149  | 271315   | 9.129  | ng/ul# | 97       |
| 87) Chrysene                  | 21.409 | 228  | 495725   | 9.742  | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.191 | 149  | 456816   | 8.172  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.991 | 252  | 518256   | 8.971  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.038 | 252  | 495191   | 9.033  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.597 | 252  | 513524   | 9.332  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 603864   | 10.296 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.132 | 278  | 523197   | 10.398 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.862 | 276  | 520436   | 10.708 | ng/ul  | 97       |

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

