

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061424\  
 Data File : BN032026.D  
 Acq On : 15 Jun 2024 08:57  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020293

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 06/17/2024  
 Supervised By :mohammad ahmed 06/18/2024

Quant Time: Jun 17 01:34:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 11 22:28:10 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 377972   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.434 | 136  | 1716570  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.298 | 164  | 1126590  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.051 | 188  | 2248924  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.286 | 240  | 1419529  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.210 | 264  | 1441835  | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 61163    | 6.695  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.575  | 84   | 458436   | 17.825 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.828  | 99   | 617180   | 19.047 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 348816   | 18.404 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.187  | 132  | 482401   | 19.511 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 514682   | 19.486 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.810  | 128  | 258776   | 19.716 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.528  | 143  | 286536   | 21.134 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 513596   | 20.291 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.581 | 131  | 711903   | 18.943 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 1451860  | 18.499 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.987 | 160  | 1739898  | 19.280 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 281129   | 17.890 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.292 | 176  | 1264179  | 19.037 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.428 | 200  | 213345   | 18.873 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.145 | 188  | 1847752  | 19.191 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.445 | 212  | 1846366  | 24.306 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.016 | 264  | 1327382  | 19.280 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.205  | 88   | 64930    | 6.642  | ng/uL  | 97       |
| 5) Pyridine                   | 3.599  | 79   | 453686   | 17.643 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.805  | 77   | 305887   | 20.127 | ng/u1  | 99       |
| 8) Phenol                     | 6.858  | 94   | 626433   | 18.996 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.087  | 93   | 515132   | 18.892 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.216  | 128  | 503427   | 19.458 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.099  | 108  | 492612   | 19.341 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.175  | 45   | 601582   | 19.165 | ng/u1  | 99       |
| 16) Acetophenone              | 8.475  | 105  | 789723   | 19.729 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.463  | 70   | 387493   | 18.681 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.428  | 108  | 537752   | 19.477 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.716  | 117  | 211844   | 19.336 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.852  | 77   | 596049   | 19.061 | ng/u1  | 97       |
| 23) Isophorone                | 9.375  | 82   | 1154213  | 17.993 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.557  | 139  | 306094   | 20.664 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.622  | 107  | 556219   | 19.303 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.857  | 93   | 722287   | 18.067 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.087 | 162  | 500085   | 20.010 | ng/u1  | 97       |
| 30) Naphthalene               | 10.481 | 128  | 1692142  | 19.047 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.604 | 127  | 691330   | 18.948 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.757 | 225  | 298277   | 19.872 | ng/u1  | 97       |
| 34) Caprolactam               | 11.387 | 113  | 175606   | 18.002 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 11.734 | 107  | 569882   | 19.508 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.104 | 142  | 1179924  | 19.431 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.322 | 142  | 1171210  | 19.223 | ng/ul | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.475 | 216  | 599254   | 20.113 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.446 | 237  | 318391   | 18.541 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.722 | 196  | 407704   | 20.161 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.798 | 196  | 437397   | 19.903 | ng/ul | 93       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 1522411  | 19.212 | ng/ul | 96       |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 1208029  | 19.464 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.387 | 65   | 349276   | 19.414 | ng/ul | 88       |
| 47) Dimethylphthalate         | 13.763 | 163  | 1508413  | 18.792 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 322183   | 20.193 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.022 | 152  | 2006377  | 19.672 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.216 | 138  | 343168   | 20.117 | ng/ul | 97       |
| 52) Acenaphthene              | 14.363 | 153  | 1305116  | 19.340 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.434 | 184  | 151678   | 18.831 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 211873   | 18.175 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.698 | 168  | 1772924  | 19.337 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.681 | 165  | 457346   | 19.536 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.928 | 232  | 360483   | 19.611 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.134 | 149  | 1545270  | 18.657 | ng/ul | 98       |
| 61) Fluorene                  | 15.351 | 166  | 1440508  | 19.511 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.345 | 204  | 702612   | 19.648 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.387 | 138  | 345980m  | 21.305 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.445 | 198  | 223197   | 18.573 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.563 | 169  | 1222745  | 19.725 | ng/ul | 97       |
| 68) 4-Bromophenyl-phenylether | 16.239 | 248  | 442621   | 20.313 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.351 | 284  | 507260   | 20.540 | ng/ul | 96       |
| 70) Atrazine                  | 16.522 | 200  | 352270   | 17.998 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.698 | 266  | 285331   | 18.058 | ng/ul | 96       |
| 72) Phenanthrene              | 17.092 | 178  | 2236311  | 19.520 | ng/ul | 98       |
| 74) Anthracene                | 17.181 | 178  | 2194930  | 18.908 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.087 | 216  | 607980   | 21.004 | ng/ul | 94       |
| 76) Pentachlorobenzene        | 14.616 | 250  | 579904   | 20.568 | ng/ul | 98       |
| 77) Carbazole                 | 17.457 | 167  | 2019648  | 20.404 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.022 | 149  | 2685639  | 19.721 | ng/ul | 99       |
| 80) Fluoranthene              | 19.110 | 202  | 2325160  | 25.613 | ng/ul | 98       |
| 82) Pyrene                    | 19.475 | 202  | 2335044  | 25.070 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.386 | 149  | 1020300  | 23.193 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 506487   | 18.606 | ng/ul | 93       |
| 85) Benzo(a)anthracene        | 21.269 | 228  | 1817501  | 19.129 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 1398281  | 21.804 | ng/ul | 99       |
| 87) Chrysene                  | 21.327 | 228  | 1685544  | 18.992 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.298 | 149  | 2090998  | 21.662 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.286 | 252  | 1627739  | 18.887 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.345 | 252  | 1644887  | 19.451 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.074 | 252  | 1557861  | 19.300 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.498 | 276  | 1929218  | 20.741 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.551 | 278  | 1560019  | 20.543 | ng/ul | 96       |
| 96) Benzo(g,h,i)perylene      | 28.539 | 276  | 1533929  | 20.746 | ng/ul | 96       |

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

