

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
 Data File : BN031735.D  
 Acq On : 31 May 2024 10:25  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020268

Quant Time: May 31 11:34:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 15:13:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.681  | 152  | 515983   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 2386718  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 1588201  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 3334626  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 2648872  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.245 | 264  | 2328467  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 89264    | 7.157  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 684794   | 19.505 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 871675   | 19.706 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 501070   | 19.366 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 661358   | 19.595 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 710248   | 19.698 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 353576   | 19.375 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143  | 378079   | 20.056 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 678194   | 19.271 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.604 | 131  | 1030031  | 19.713 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 2089629  | 18.886 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 2392063  | 18.802 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 427345   | 19.290 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1770106  | 18.908 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 324519   | 19.361 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 2681262  | 18.781 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 3002081  | 21.179 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 2051268  | 18.449 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.223  | 88   | 98207    | 7.359  | ng/uL  | 98       |
| 5) Pyridine                   | 3.611  | 79   | 672003   | 19.143 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.828  | 77   | 329896   | 15.900 | ng/ul  | 100      |
| 8) Phenol                     | 6.875  | 94   | 880050   | 19.549 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.116  | 93   | 731723   | 19.657 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.246  | 128  | 694414   | 19.661 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.122  | 108  | 681031   | 19.587 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.205  | 45   | 825112   | 19.256 | ng/ul  | 98       |
| 16) Acetophenone              | 8.505  | 105  | 1121364  | 20.521 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.487  | 70   | 568084   | 20.062 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.452  | 108  | 748443   | 19.857 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.752  | 117  | 288310   | 19.276 | ng/ul  | 96       |
| 22) Nitrobenzene              | 8.881  | 77   | 818846   | 18.833 | ng/ul  | 97       |
| 23) Isophorone                | 9.405  | 82   | 1678549  | 18.820 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.587  | 139  | 407964   | 19.809 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 770706   | 19.236 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.887  | 93   | 1049786  | 18.886 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 672108   | 19.342 | ng/ul  | 97       |
| 30) Naphthalene               | 10.516 | 128  | 2338068  | 18.928 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.628 | 127  | 1016379  | 20.035 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.793 | 225  | 388953   | 18.637 | ng/ul  | 97       |
| 34) Caprolactam               | 11.399 | 113  | 258143m  | 19.032 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 787563   | 19.390 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.134 | 142  | 1644806  | 19.481 | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.351 | 142  | 1628283  | 19.221 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 799298   | 19.030 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.475 | 237  | 445268   | 18.393 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.746 | 196  | 558045   | 19.574 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 604425   | 19.510 | ng/ul | 94       |
| 43) 1,1'-Biphenyl             | 13.157 | 154  | 2110150  | 18.889 | ng/ul | 96       |
| 44) 2-Chloronaphthalene       | 13.193 | 162  | 1657838  | 18.948 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 480103   | 18.929 | ng/ul | 92       |
| 47) Dimethylphthalate         | 13.787 | 163  | 2145844  | 18.964 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 445467   | 19.805 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.045 | 152  | 2767732  | 19.250 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 421580   | 17.530 | ng/ul | 99       |
| 52) Acenaphthene              | 14.387 | 153  | 1818876  | 19.119 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 217529   | 19.157 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 309301   | 18.821 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.728 | 168  | 2454105  | 18.987 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 646768   | 19.597 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 503628   | 19.435 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.157 | 149  | 2192734  | 18.779 | ng/ul | 98       |
| 61) Fluorene                  | 15.375 | 166  | 2039996  | 19.600 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.375 | 204  | 975837   | 19.357 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.398 | 138  | 409930   | 17.906 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 359485   | 20.175 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.587 | 169  | 1759927  | 19.147 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 603502   | 18.679 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 679275   | 18.550 | ng/ul | 96       |
| 70) Atrazine                  | 16.545 | 200  | 532737   | 18.357 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.722 | 266  | 448032   | 19.123 | ng/ul | 93       |
| 72) Phenanthrene              | 17.116 | 178  | 3173298  | 18.681 | ng/ul | 98       |
| 74) Anthracene                | 17.204 | 178  | 3219238  | 18.703 | ng/ul | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.116 | 216  | 808788   | 18.844 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.640 | 250  | 782310   | 18.713 | ng/ul | 98       |
| 77) Carbazole                 | 17.475 | 167  | 3045385  | 20.749 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.045 | 149  | 3892710  | 19.278 | ng/ul | 100      |
| 80) Fluoranthene              | 19.133 | 202  | 3646256  | 21.524 | ng/ul | 99       |
| 82) Pyrene                    | 19.498 | 202  | 3635437  | 20.917 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 1714474  | 20.885 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 984134   | 19.374 | ng/ul | 95       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 3327260  | 18.766 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 2440084  | 20.391 | ng/ul | 98       |
| 87) Chrysene                  | 21.351 | 228  | 3103955  | 18.742 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.333 | 149  | 3964891  | 25.434 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 2701255  | 19.409 | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 2703117  | 19.793 | ng/ul | 97       |
| 93) Benzo(a)pyrene            | 24.104 | 252  | 2443364  | 18.744 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.545 | 276  | 2490452  | 16.580 | ng/ul | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.604 | 278  | 2080929  | 16.969 | ng/ul | 95       |
| 96) Benzo(g,h,i)perylene      | 28.580 | 276  | 1945199m | 16.291 | ng/ul |          |

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

