

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
 Data File : BN032127.D  
 Acq On : 21 Jun 2024 11:41  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020299

Quant Time: Jun 21 12:38:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.634  | 152  | 415707   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 1932054  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164  | 1316067  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188  | 2568744  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240  | 1621620  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.186 | 264  | 1767214  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.164  | 96   | 60162    | 5.987  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.570  | 84   | 454232   | 16.059 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.816  | 99   | 639782   | 17.952 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 345747   | 16.586 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 540374   | 19.872 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.352  | 113  | 565737   | 19.474 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 291801   | 19.753 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 330000   | 21.625 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 589463   | 20.691 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 806329   | 19.063 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 1774406  | 19.353 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 2033292  | 19.287 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.510 | 143  | 316306   | 17.230 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.281 | 176  | 1502547  | 19.369 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 252009   | 19.518 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188  | 2161257  | 19.652 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 2104131  | 24.248 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.986 | 264  | 1612013  | 19.103 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane                | 3.199  | 88   | 62518    | 5.815  | ng/uL  | 94       |
| 5) Pyridine                   | 3.587  | 79   | 432631   | 15.297 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.793  | 77   | 332462   | 19.889 | ng/u1  | 95       |
| 8) Phenol                     | 6.846  | 94   | 651217   | 17.955 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.075  | 93   | 530167   | 17.678 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.205  | 128  | 564519   | 19.838 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.087  | 108  | 529038   | 18.886 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 591093   | 17.122 | ng/u1  | 99       |
| 16) Acetophenone              | 8.463  | 105  | 849980   | 19.306 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.446  | 70   | 395232   | 17.324 | ng/u1# | 95       |
| 18) 4-Methylphenol            | 8.416  | 108  | 579895   | 19.097 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.699  | 117  | 231793   | 19.236 | ng/u1  | 88       |
| 22) Nitrobenzene              | 8.840  | 77   | 617989   | 17.559 | ng/u1  | 92       |
| 23) Isophorone                | 9.363  | 82   | 1211578  | 16.781 | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 349221   | 20.947 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.605  | 107  | 600203   | 18.506 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 771536   | 17.146 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 574190   | 20.413 | ng/u1  | 97       |
| 30) Naphthalene               | 10.469 | 128  | 1950637  | 19.508 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.587 | 127  | 781117   | 19.021 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.740 | 225  | 359236   | 21.264 | ng/u1  | 96       |
| 34) Caprolactam               | 11.381 | 113  | 197553m  | 17.993 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.722 | 107  | 640412   | 19.478 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 1351770  | 19.778 | ng/u1  | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
 Data File : BN032127.D  
 Acq On : 21 Jun 2024 11:41  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020299

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 21 12:38:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.304 | 142  | 1362096  | 19.862 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 712400   | 20.468 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 293563   | 14.634 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.710 | 196  | 481727   | 20.391 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 528302   | 20.579 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 1799682  | 19.441 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 1424619  | 19.649 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.375 | 65   | 367361   | 17.479 | ng/ul# | 82       |
| 47) Dimethylphthalate         | 13.745 | 163  | 1778652  | 18.969 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.875 | 165  | 385233   | 20.669 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.004 | 152  | 2329282  | 19.550 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.204 | 138  | 408434   | 20.496 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.345 | 153  | 1517339  | 19.247 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.422 | 184  | 155669   | 16.544 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.528 | 109  | 238832   | 17.538 | ng/ul  | 87       |
| 56) Dibenzofuran              | 14.687 | 168  | 2054361  | 19.181 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.669 | 165  | 545514   | 19.947 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.916 | 232  | 434800   | 20.248 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.116 | 149  | 1869337  | 19.320 | ng/ul  | 99       |
| 61) Fluorene                  | 15.334 | 166  | 1657921  | 19.222 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 827523   | 19.809 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.375 | 138  | 395702   | 20.859 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.434 | 198  | 267687   | 19.502 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 1480447  | 20.909 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 546665   | 21.964 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.334 | 284  | 604158   | 21.417 | ng/ul  | 96       |
| 70) Atrazine                  | 16.510 | 200  | 438121   | 19.597 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.686 | 266  | 345527   | 19.145 | ng/ul  | 91       |
| 72) Phenanthrene              | 17.075 | 178  | 2557846  | 19.547 | ng/ul  | 98       |
| 74) Anthracene                | 17.169 | 178  | 2623799  | 19.788 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.069 | 216  | 702151   | 21.237 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 703190   | 21.836 | ng/ul  | 98       |
| 77) Carbazole                 | 17.445 | 167  | 2283652  | 20.199 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 3272141  | 21.036 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 2638053  | 25.438 | ng/ul  | 95       |
| 82) Pyrene                    | 19.463 | 202  | 2591734  | 24.358 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.369 | 149  | 1291400  | 25.697 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.180 | 252  | 552389   | 17.764 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 2138522  | 19.702 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 1856989  | 25.349 | ng/ul  | 96       |
| 87) Chrysene                  | 21.310 | 228  | 1975958  | 19.489 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 2928013  | 24.748 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.263 | 252  | 1966356  | 18.615 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.321 | 252  | 1946794  | 18.782 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.051 | 252  | 1865557  | 18.857 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.457 | 276  | 2302487m | 20.197 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.509 | 278  | 1909627  | 20.517 | ng/ul  | 94       |
| 96) Benzo(g,h,i)perylene      | 28.486 | 276  | 1866761  | 20.599 | ng/ul  | 95       |

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

