

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
 Data File : BN031688.D  
 Acq On : 29 May 2024 13:18  
 Operator : MA/JU  
 Sample : SSTD04071  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040206

Quant Time: May 29 14:30:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 13:30:10 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 560906   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 2497662  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.327 | 164  | 1603522  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.074 | 188  | 3307526  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.309 | 240  | 3082999  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.250 | 264  | 3497502  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 215136   | 15.201 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 1601245  | 40.372 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.857  | 99   | 1982298  | 42.023 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 1159219  | 41.103 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 1493117  | 41.163 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 1589743  | 42.707 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.845  | 128  | 788565   | 41.008 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 838540   | 44.757 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.092 | 165  | 1521982  | 41.938 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 2241901  | 42.397 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 4475868  | 42.582 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 5175001  | 40.317 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.533 | 143  | 941133   | 46.090 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 3779408  | 41.801 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 701751   | 45.891 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.174 | 188  | 5671649  | 39.893 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.468 | 212  | 6581195  | 33.962 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.051 | 264  | 6956604  | 41.741 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 230372   | 15.476 | ng/uL  | 99       |
| 5) Pyridine                   | 3.616  | 79   | 1586631  | 40.546 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.834  | 77   | 1024652  | 42.589 | ng/u1  | 100      |
| 8) Phenol                     | 6.881  | 94   | 2022983  | 41.879 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 1666752  | 41.453 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.251  | 128  | 1562668  | 41.092 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.128  | 108  | 1551891  | 42.262 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 1923257  | 41.324 | ng/u1  | 99       |
| 16) Acetophenone              | 8.510  | 105  | 2440303  | 42.173 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.504  | 70   | 1226458  | 41.000 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.457  | 108  | 1689849  | 43.058 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.757  | 117  | 651864   | 40.211 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.887  | 77   | 1852500  | 39.661 | ng/u1  | 97       |
| 23) Isophorone                | 9.410  | 82   | 3737005  | 40.985 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.592  | 139  | 910201   | 43.935 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.651  | 107  | 1697882  | 40.452 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.892  | 93   | 2312930  | 40.134 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 1466117  | 40.962 | ng/u1  | 98       |
| 30) Naphthalene               | 10.522 | 128  | 5121494  | 39.339 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 2187839  | 42.499 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.804 | 225  | 859841   | 39.767 | ng/u1  | 97       |
| 34) Caprolactam               | 11.422 | 113  | 584733m  | 46.998 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 1745382  | 43.697 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.133 | 142  | 3488217  | 40.266 | ng/u1  | 98       |

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Instrument :  
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 ClientSampleId :  
 SSTD040206

Manual Integrations  
 APPROVED

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 Supervised By :mohammad ahmed 05/31/2024

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 3468513  | 40.222 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 1707574  | 37.915 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.481 | 237  | 1024389  | 38.317 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 1211153  | 42.471 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 1254938  | 40.495 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.157 | 154  | 4482271  | 38.764 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 3515652  | 38.460 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.410 | 65   | 1084398  | 43.914 | ng/ul | 93       |
| 47) Dimethylphthalate         | 13.792 | 163  | 4642438  | 43.228 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 976675   | 47.048 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.051 | 152  | 5758288  | 38.979 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.239 | 138  | 1026644  | 43.849 | ng/ul | 97       |
| 52) Acenaphthene              | 14.392 | 153  | 3814621  | 39.631 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.439 | 184  | 451518   | 46.013 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 689316   | 45.084 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.727 | 168  | 5162251  | 40.080 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 1411859  | 49.456 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 1080409  | 46.191 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.163 | 149  | 4741440  | 45.670 | ng/ul | 100      |
| 61) Fluorene                  | 15.380 | 166  | 4077686  | 40.115 | ng/ul | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.374 | 204  | 1954168  | 39.570 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 1001014  | 46.820 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 758206   | 45.665 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 3715863  | 38.277 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 1272447  | 38.339 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.374 | 284  | 1475543  | 40.468 | ng/ul | 99       |
| 70) Atrazine                  | 16.551 | 200  | 1243124  | 45.310 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.716 | 266  | 1004633  | 46.281 | ng/ul | 90       |
| 72) Phenanthrene              | 17.116 | 178  | 6796972  | 40.183 | ng/ul | 99       |
| 74) Anthracene                | 17.204 | 178  | 6807882  | 39.909 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.116 | 216  | 1772034  | 35.398 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 1673111  | 35.846 | ng/ul | 97       |
| 77) Carbazole                 | 17.480 | 167  | 6353941  | 43.221 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.045 | 149  | 8363880  | 47.417 | ng/ul | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 7870615  | 32.784 | ng/ul | 99       |
| 82) Pyrene                    | 19.498 | 202  | 7913609  | 32.386 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 3996747  | 45.054 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 2634878  | 42.922 | ng/ul | 94       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 8373977  | 39.941 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 5594868  | 45.697 | ng/ul | 99       |
| 87) Chrysene                  | 21.351 | 228  | 7605151  | 38.874 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 10476117 | 48.685 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 8395002  | 40.246 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 8220841  | 39.221 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.115 | 252  | 8111670  | 41.090 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.544 | 276  | 9427380  | 40.209 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.621 | 278  | 7694128  | 39.920 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 28.591 | 276  | 7504466  | 39.088 | ng/ul | 100      |

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

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 Sample : SSTD04071  
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Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040206

### Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 05/31/2024

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