

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052224\  
 Data File : BN031621.D  
 Acq On : 23 May 2024 02:07  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020257

Quant Time: May 23 02:41:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 1412970  | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 6066680  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.333 | 164  | 3516136  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.074 | 188  | 6352796  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 3975459  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 4276143  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 266892   | 7.487  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 2052298  | 20.630 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.863  | 99   | 2547169  | 21.899 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 1498146  | 21.475 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.228  | 132  | 1926822  | 21.498 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.398  | 113  | 1974017  | 21.923 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.851  | 128  | 987470   | 21.507 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 1003114  | 22.879 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.098 | 165  | 1831198  | 21.361 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.616 | 131  | 2600880  | 21.047 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.751 | 166  | 4858217  | 21.925 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 5798647  | 20.879 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.533 | 143  | 917132   | 21.875 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.327 | 176  | 4011121  | 20.888 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 633154   | 23.052 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.174 | 188  | 5474237  | 20.356 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.468 | 212  | 5236948  | 21.002 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 4116401  | 20.451 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 284791   | 7.581  | ng/uL  | 99       |
| 5) Pyridine                   | 3.622  | 79   | 1990816  | 20.333 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.840  | 77   | 1415072  | 23.752 | ng/u1  | 99       |
| 8) Phenol                     | 6.887  | 94   | 2620853  | 21.924 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.128  | 93   | 2135761  | 21.530 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.257  | 128  | 1998040  | 21.257 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.128  | 108  | 1977163  | 22.079 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 2444790  | 21.335 | ng/u1  | 99       |
| 16) Acetophenone              | 8.516  | 105  | 3049816  | 21.715 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.510  | 70   | 1505036  | 20.858 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.463  | 108  | 2112028  | 22.193 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.763  | 117  | 841121   | 20.944 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.893  | 77   | 2309094  | 20.530 | ng/u1  | 94       |
| 23) Isophorone                | 9.422  | 82   | 4509029  | 21.075 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.598  | 139  | 1090901  | 22.324 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.657  | 107  | 2072933  | 20.766 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.898  | 93   | 2815749  | 20.645 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 1774418  | 20.879 | ng/u1  | 96       |
| 30) Naphthalene               | 10.528 | 128  | 6225822  | 19.941 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.639 | 127  | 2533965  | 21.015 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 1087076  | 20.903 | ng/u1  | 97       |
| 34) Caprolactam               | 11.428 | 113  | 629496m  | 22.870 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.763 | 107  | 2020842  | 21.896 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.139 | 142  | 4183863  | 20.477 | ng/u1  | 100      |

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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020257

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 23 02:41:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 21 23:42:49 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.363 | 142  | 4140529  | 20.473 | ng/ul  | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 1993943  | 20.038 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.486 | 237  | 1207686  | 20.246 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 1342892  | 21.838 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 1470190  | 22.086 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.163 | 154  | 5198009  | 20.506 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.204 | 162  | 4063331  | 20.244 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.410 | 65   | 1205073  | 22.934 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.798 | 163  | 4873335  | 21.553 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.916 | 165  | 1034030  | 23.996 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.051 | 152  | 6499017  | 20.271 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.245 | 138  | 1118607  | 22.870 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.398 | 153  | 4243724  | 20.430 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 438048   | 22.136 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 682743   | 21.612 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.733 | 168  | 5560359  | 20.052 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 1415696  | 24.523 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 1101039  | 22.770 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.169 | 149  | 4709351  | 22.103 | ng/ul  | 97       |
| 61) Fluorene                  | 15.380 | 166  | 4290316  | 19.751 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.380 | 204  | 2078121  | 19.872 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 1030947  | 23.502 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 694604   | 23.060 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 3835288  | 20.508 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.274 | 248  | 1312599  | 20.521 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.374 | 284  | 1470393  | 21.299 | ng/ul  | 96       |
| 70) Atrazine                  | 16.551 | 200  | 1074489  | 21.348 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.721 | 266  | 871415   | 22.131 | ng/ul# | 86       |
| 72) Phenanthrene              | 17.121 | 178  | 6519885  | 20.223 | ng/ul  | 99       |
| 74) Anthracene                | 17.210 | 178  | 6472232  | 20.009 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216  | 2037076  | 20.171 | ng/ul  | 95       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 1846616  | 20.193 | ng/ul  | 98       |
| 77) Carbazole                 | 17.480 | 167  | 5815567  | 21.068 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.051 | 149  | 7025124  | 22.165 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 6383298  | 20.710 | ng/ul  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 6373927  | 20.165 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 2474330  | 23.065 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.215 | 252  | 1614244  | 21.118 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 5313909  | 19.877 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 3309754  | 22.532 | ng/ul  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 4946557  | 20.032 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 5223970  | 21.374 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.309 | 252  | 4922216  | 19.725 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 5051756  | 19.860 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.103 | 252  | 4864912  | 20.296 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 6009262m | 20.888 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.609 | 278  | 4857225  | 20.502 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.580 | 276  | 4984326  | 20.970 | ng/ul  | 98       |

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

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Instrument :  
 BNA\_N  
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 SSTD020257

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 23 02:41:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
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