

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040624\  
 Data File : BN030722.D  
 Acq On : 07 Apr 2024 00:20  
 Operator : MA/JU  
 Sample : PB159987BS  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SLCS987

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/08/2024

Supervised By :mohammad

ahmed

04/08/2024

Quant Time: Apr 07 13:25:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 31 12:24:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 153003   | 20.000 | ng/u1 | -0.01    |
| 20) Naphthalene-d8            | 10.469 | 136  | 736621   | 20.000 | ng/u1 | -0.01    |
| 38) Acenaphthene-d10          | 14.328 | 164  | 527066   | 20.000 | ng/u1 | -0.01    |
| 64) Phenanthrene-d10          | 17.081 | 188  | 1169334  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.316 | 240  | 1143342  | 20.000 | ng/u1 | -0.01    |
| 88) Perylene-d12              | 24.257 | 264  | 1256123  | 20.000 | ng/u1 | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 23424    | 7.178  | ng/uL | -0.01    |
| 4) Pyridine-d5                | 3.593  | 84   | 338220   | 34.567 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 476285   | 38.481 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 274800   | 35.946 | ng/u1 | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 375316   | 39.972 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 398387   | 38.405 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 198529   | 38.852 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.558  | 143  | 213042   | 45.574 | ng/u1 | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 413700   | 40.425 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 606916   | 36.023 | ng/u1 | -0.01    |
| 46) Dimethylphthalate-d6      | 13.746 | 166  | 1362769  | 38.726 | ng/u1 | -0.01    |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 1525161  | 37.695 | ng/u1 | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.540 | 143  | 281810   | 41.867 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.328 | 176  | 1152150  | 37.415 | ng/u1 | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 211274   | 40.934 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.181 | 188  | 1808031  | 35.886 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.481 | 212  | 2219950  | 36.114 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.057 | 264  | 2210085  | 38.184 | ng/u1 | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.223  | 88   | 44512    | 12.733 | ng/uL | 97       |
| 5) Pyridine                   | 3.617  | 79   | 316395   | 32.046 | ng/u1 | 99       |
| 6) Benzaldehyde               | 6.834  | 77   | 244019   | 42.335 | ng/u1 | 99       |
| 8) Phenol                     | 6.887  | 94   | 466424   | 36.174 | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 374502   | 35.617 | ng/u1 | 98       |
| 12) 2-Chlorophenol            | 7.252  | 128  | 375491   | 37.279 | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.128  | 108  | 362517   | 36.486 | ng/u1 | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.211  | 45   | 496782   | 33.554 | ng/u1 | 99       |
| 16) Acetophenone              | 8.511  | 105  | 591159   | 36.094 | ng/u1 | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 299476   | 36.305 | ng/u1 | 96       |
| 18) 4-Methylphenol            | 8.458  | 108  | 406011   | 36.502 | ng/u1 | 100      |
| 19) Hexachloroethane          | 8.758  | 117  | 152489   | 36.110 | ng/u1 | 98       |
| 22) Nitrobenzene              | 8.887  | 77   | 440421   | 35.307 | ng/u1 | 98       |
| 23) Isophorone                | 9.410  | 82   | 900009   | 36.179 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 223323   | 40.649 | ng/u1 | 96       |
| 26) 2,4-Dimethylphenol        | 9.652  | 107  | 383535   | 31.410 | ng/u1 | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.893  | 93   | 556998   | 35.216 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 388263   | 37.170 | ng/u1 | 99       |
| 30) Naphthalene               | 10.522 | 128  | 1314928  | 34.805 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 10.634 | 127  | 516602   | 31.816 | ng/u1 | 98       |
| 33) Hexachlorobutadiene       | 10.799 | 225  | 231026   | 35.137 | ng/u1 | 98       |
| 34) Caprolactam               | 11.416 | 113  | 152861m  | 39.172 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 11.763 | 107  | 465393   | 39.557 | ng/u1 | 100      |
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 944701   | 35.806 | ng/u1 | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040624\  
 Data File : BN030722.D  
 Acq On : 07 Apr 2024 00:20  
 Operator : MA/JU  
 Sample : PB159987BS  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SLCS987

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/08/2024

Supervised By :mohammad

ahmed

04/08/2024

Quant Time: Apr 07 13:25:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 31 12:24:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 947895   | 35.391 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 476668   | 35.044 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.487 | 237  | 234757   | 30.391 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 333964   | 39.291 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 371099   | 38.660 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.163 | 154  | 1254862  | 34.930 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 997704   | 35.279 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.410 | 65   | 295095   | 39.210 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.798 | 163  | 1345650  | 37.018 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.916 | 165  | 275459   | 40.871 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.051 | 152  | 1683901  | 36.020 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.246 | 138  | 294670   | 41.192 | ng/ul | 98       |
| 52) Acenaphthene              | 14.393 | 153  | 1114754  | 35.783 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 126488   | 40.861 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 209488   | 39.282 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.734 | 168  | 1530898  | 35.352 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 415212   | 42.197 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 324412   | 40.693 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.169 | 149  | 1386762  | 37.552 | ng/ul | 100      |
| 61) Fluorene                  | 15.381 | 166  | 1241023  | 36.054 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 603551   | 35.740 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 320451   | 46.077 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 218481   | 39.395 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 1108607  | 34.813 | ng/ul | 95       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 395221   | 35.594 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.381 | 284  | 468159   | 35.806 | ng/ul | 99       |
| 70) Atrazine                  | 16.551 | 200  | 345990   | 31.346 | ng/ul | 95       |
| 71) Pentachlorophenol         | 16.728 | 266  | 289727   | 37.583 | ng/ul | 96       |
| 72) Phenanthrene              | 17.122 | 178  | 2126129  | 35.390 | ng/ul | 99       |
| 74) Anthracene                | 17.216 | 178  | 2133621  | 35.131 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216  | 485444   | 33.792 | ng/ul | 95       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 494905   | 33.917 | ng/ul | 95       |
| 77) Carbazole                 | 17.486 | 167  | 2050676  | 38.502 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.057 | 149  | 2540698  | 39.103 | ng/ul | 100      |
| 80) Fluoranthene              | 19.145 | 202  | 2587952  | 35.416 | ng/ul | 99       |
| 82) Pyrene                    | 19.510 | 202  | 2675628  | 34.670 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.422 | 149  | 1242006  | 42.143 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 852784   | 40.592 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 2723256  | 35.689 | ng/ul | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.233 | 149  | 1751642  | 40.303 | ng/ul | 99       |
| 87) Chrysene                  | 21.363 | 228  | 2554730  | 35.472 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.345 | 149  | 3221956  | 40.504 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 2838528  | 38.398 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 2697102  | 35.925 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.121 | 252  | 2590036  | 37.089 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.562 | 276  | 2921651  | 38.704 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.615 | 278  | 2384720m | 37.526 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 28.592 | 276  | 2279063  | 38.457 | ng/ul | 97       |

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

