

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042724\  
 Data File : BN031292.D  
 Acq On : 28 Apr 2024 05:56  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020388

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/29/2024  
 Supervised By :mohammad ahmed 04/29/2024

Quant Time: Apr 28 22:10:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 26 22:57:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 253989   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.399 | 136  | 1235034  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 866546   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.016 | 188  | 1905778  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.257 | 240  | 1762853  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 1828979  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.134  | 96   | 37239    | 6.850  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.540  | 84   | 285729   | 18.250 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.793  | 99   | 370943   | 17.313 | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.963  | 67   | 223484   | 17.928 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.152  | 132  | 296852   | 17.794 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.328  | 113  | 314090   | 17.431 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.775  | 128  | 158844   | 17.901 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.487  | 143  | 175318   | 19.007 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.022 | 165  | 319366   | 17.557 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.546 | 131  | 476688   | 16.770 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.687 | 166  | 1047991  | 17.379 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 1185231  | 17.345 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.487 | 143  | 209283   | 16.628 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.263 | 176  | 887923   | 16.915 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.392 | 200  | 173404   | 18.035 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.116 | 188  | 1410534  | 17.076 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.422 | 212  | 1678892  | 19.381 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.945 | 264  | 1506490  | 17.370 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.170  | 88   | 39121    | 6.790  | ng/uL  | 93       |
| 5) Pyridine                   | 3.558  | 79   | 281139   | 17.795 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.769  | 77   | 225264   | 21.412 | ng/ul  | 99       |
| 8) Phenol                     | 6.822  | 94   | 384053   | 17.386 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.058  | 93   | 315061   | 18.077 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.181  | 128  | 311640   | 17.972 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.063  | 108  | 298754   | 17.452 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.140  | 45   | 423721   | 18.647 | ng/ul  | 100      |
| 16) Acetophenone              | 8.440  | 105  | 504074   | 18.056 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.428  | 70   | 255854   | 18.386 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.393  | 108  | 335455   | 17.494 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.681  | 117  | 128218   | 17.819 | ng/ul  | 99       |
| 22) Nitrobenzene              | 8.816  | 77   | 370641   | 17.697 | ng/ul  | 99       |
| 23) Isophorone                | 9.340  | 82   | 752447   | 17.605 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.522  | 139  | 189572   | 18.576 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.587  | 107  | 356930   | 17.150 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.822  | 93   | 460836   | 17.751 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.052 | 162  | 319505   | 17.586 | ng/ul  | 99       |
| 30) Naphthalene               | 10.446 | 128  | 1085449  | 16.958 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.569 | 127  | 466684   | 16.897 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 10.722 | 225  | 188042   | 16.978 | ng/ul  | 98       |
| 34) Caprolactam               | 11.351 | 113  | 120401m  | 16.820 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.698 | 107  | 375144   | 17.809 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.063 | 142  | 776709   | 17.208 | ng/ul  | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042724\  
 Data File : BN031292.D  
 Acq On : 28 Apr 2024 05:56  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020388

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/29/2024  
 Supervised By :mohammad ahmed 04/29/2024

Quant Time: Apr 28 22:10:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 26 22:57:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.287 | 142  | 774763   | 16.963 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.440 | 216  | 384460   | 16.955 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.410 | 237  | 204558   | 16.423 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.687 | 196  | 273892   | 18.147 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.757 | 196  | 297786   | 17.796 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.093 | 154  | 1037031  | 17.401 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.134 | 162  | 812040   | 17.051 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.351 | 65   | 244515   | 18.598 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.734 | 163  | 1064254  | 17.108 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.857 | 165  | 219522   | 18.799 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.987 | 152  | 1383489  | 17.333 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.187 | 138  | 248240   | 18.517 | ng/ul# | 91       |
| 52) Acenaphthene              | 14.334 | 153  | 889725   | 16.815 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.392 | 184  | 108968   | 16.501 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.498 | 109  | 166971   | 16.347 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.669 | 168  | 1240907  | 16.962 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.645 | 165  | 327487   | 18.457 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 256243   | 17.719 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.104 | 149  | 1104669  | 17.267 | ng/ul  | 100      |
| 61) Fluorene                  | 15.322 | 166  | 1004597  | 16.686 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.316 | 204  | 483692   | 16.867 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.351 | 138  | 263033m  | 18.198 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 187860   | 18.196 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.534 | 169  | 871189   | 17.055 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.216 | 248  | 310075   | 17.204 | ng/ul  | 87       |
| 69) Hexachlorobenzene         | 16.316 | 284  | 366456   | 17.637 | ng/ul  | 98       |
| 70) Atrazine                  | 16.492 | 200  | 311733   | 17.383 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.669 | 266  | 225810   | 16.727 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.063 | 178  | 1694436  | 16.810 | ng/ul  | 99       |
| 74) Anthracene                | 17.151 | 178  | 1725476  | 16.915 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216  | 391644   | 17.520 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.581 | 250  | 391940   | 16.979 | ng/uL  | 96       |
| 77) Carbazole                 | 17.428 | 167  | 1578598  | 16.941 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 17.992 | 149  | 2003701  | 17.642 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.080 | 202  | 2040703  | 19.905 | ng/ul  | 99       |
| 82) Pyrene                    | 19.451 | 202  | 2067804  | 19.196 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.363 | 149  | 936413   | 19.701 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.169 | 252  | 622648   | 16.951 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.239 | 228  | 2014985  | 16.832 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.163 | 149  | 1320249  | 18.499 | ng/ul  | 99       |
| 87) Chrysene                  | 21.298 | 228  | 1871618  | 16.471 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.263 | 149  | 2337665  | 22.174 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.233 | 252  | 1928283  | 18.738 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.292 | 252  | 1949238  | 18.833 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.010 | 252  | 1771641  | 17.257 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.386 | 276  | 1895376  | 14.878 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.445 | 278  | 1573344  | 15.047 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 28.403 | 276  | 1466790  | 14.298 | ng/ul  | 98       |

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

