

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112221\  
 Data File : BN017543.D  
 Acq On : 22 Nov 2021 12:50  
 Operator : CG/JU  
 Sample : SSTD08049  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD080249

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Nov 22 14:53:16 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN112221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 22 14:49:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 221605   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.646 | 136  | 910599   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.481 | 164  | 482053   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 840992   | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.416 | 240  | 622478   | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.780 | 264  | 627026   | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 228321   | 37.321  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.705  | 84   | 1554268  | 94.851  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 1875806  | 91.093  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.181  | 67   | 1143385  | 93.548  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.381  | 132  | 1452558  | 89.697  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.557  | 113  | 1440440  | 85.689  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.005  | 128  | 706761   | 100.220 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.728  | 143  | 737616   | 94.480  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.263 | 165  | 1288478  | 90.084  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.775 | 131  | 1690992  | 79.377  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.893 | 166  | 3078403  | 85.304  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.175 | 160  | 4112684  | 90.404  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.681 | 143  | 547240   | 76.853  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.475 | 176  | 2471799  | 80.193  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 200  | 425303   | 78.099  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.328 | 188  | 3385004  | 83.367  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.622 | 212  | 3472181  | 95.111  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.633 | 264  | 3139492  | 94.208  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.340  | 88   | 232345   | 38.405  | ng/uL  | 97       |
| 5) Pyridine                   | 3.728  | 79   | 1538551  | 92.779  | ng/u1  | 91       |
| 6) Benzaldehyde               | 6.981  | 77   | 824947   | 67.236  | ng/u1  | 90       |
| 8) Phenol                     | 7.040  | 94   | 1881606  | 90.324  | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.275  | 93   | 1522719  | 93.027  | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.410  | 128  | 1460203  | 87.193  | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.287  | 108  | 1412420  | 89.117  | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.381  | 45   | 2028549  | 84.473  | ng/u1  | 96       |
| 16) Acetophenone              | 8.669  | 105  | 2033405  | 81.620  | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 1067087  | 85.323  | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.628  | 108  | 1464664  | 83.650  | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.928  | 117  | 625098   | 96.923  | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.046  | 77   | 1679871  | 105.934 | ng/u1  | 96       |
| 23) Isophorone                | 9.581  | 82   | 3034655  | 94.254  | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.757  | 139  | 764417   | 89.927  | ng/u1# | 89       |
| 26) 2,4-Dimethylphenol        | 9.822  | 107  | 1596186  | 93.699  | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.057 | 93   | 1884006  | 91.486  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.293 | 162  | 1238829  | 87.207  | ng/u1  | 96       |
| 30) Naphthalene               | 10.693 | 128  | 4260510  | 85.996  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.804 | 127  | 1690546  | 80.217  | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.993 | 225  | 829513   | 95.894  | ng/u1  | 97       |
| 34) Caprolactam               | 11.575 | 113  | 352810m  | 69.023  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.934 | 107  | 1357197  | 85.871  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.304 | 142  | 2719799  | 79.517  | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|---------|--------|----------|-------------------------|
| 37) 1-Methylnaphthalene       | 12.528 | 142  | 2732551  | 77.555  | ng/ul  | 97       | 11/22/2021              |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 1357482  | 96.615  | ng/ul  | 93       | Supervised By :mohammad |
| 40) Hexachlorocyclopentadiene | 12.663 | 237  | 955069   | 106.954 | ng/ul  | 96       | ahmed                   |
| 41) 2,4,6-Trichlorophenol     | 12.916 | 196  | 899691   | 98.759  | ng/ul  | 96       |                         |
| 42) 2,4,5-Trichlorophenol     | 12.987 | 196  | 944718   | 93.123  | ng/ul  | 97       |                         |
| 43) 1,1'-Biphenyl             | 13.316 | 154  | 3478961  | 93.212  | ng/ul  | 99       |                         |
| 44) 2-Chloronaphthalene       | 13.357 | 162  | 2668516  | 93.880  | ng/ul  | 95       | 11/24/2021              |
| 45) 2-Nitroaniline            | 13.557 | 65   | 833076   | 107.663 | ng/ul  | 92       |                         |
| 47) Dimethylphthalate         | 13.945 | 163  | 2990094  | 82.501  | ng/ul  | 99       |                         |
| 48) 2,6-Dinitrotoluene        | 14.057 | 165  | 641989   | 90.207  | ng/ul  | 89       |                         |
| 50) Acenaphthylene            | 14.204 | 152  | 4023023  | 86.343  | ng/ul  | 99       |                         |
| 51) 3-Nitroaniline            | 14.381 | 138  | 614575   | 74.609  | ng/ul  | 89       |                         |
| 52) Acenaphthene              | 14.545 | 153  | 2605926  | 86.491  | ng/ul  | 97       |                         |
| 53) 2,4-Dinitrophenol         | 14.587 | 184  | 330135   | 72.526  | ng/ul  | 94       |                         |
| 55) 4-Nitrophenol             | 14.692 | 109  | 469767   | 93.489  | ng/ul# | 82       |                         |
| 56) Dibenzofuran              | 14.881 | 168  | 3646482  | 84.768  | ng/ul  | 95       |                         |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 849646   | 82.782  | ng/ul  | 97       |                         |
| 58) 2,3,4,6-Tetrachlorophenol | 15.104 | 232  | 657099   | 78.462  | ng/ul  | 95       |                         |
| 59) Diethylphthalate          | 15.310 | 149  | 2911439  | 80.558  | ng/ul  | 99       |                         |
| 61) Fluorene                  | 15.534 | 166  | 2513398  | 74.122  | ng/ul  | 98       |                         |
| 62) 4-Chlorophenyl-phenyle... | 15.522 | 204  | 1232926  | 73.944  | ng/ul# | 90       |                         |
| 63) 4-Nitroaniline            | 15.545 | 138  | 457130   | 56.162  | ng/ul# | 84       |                         |
| 66) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 435994   | 80.244  | ng/ul# | 92       |                         |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 2315353  | 90.450  | ng/ul  | 97       |                         |
| 68) 4-Bromophenyl-phenylether | 16.416 | 248  | 782931   | 87.361  | ng/ul# | 87       |                         |
| 69) Hexachlorobenzene         | 16.539 | 284  | 807492   | 77.428  | ng/ul# | 90       |                         |
| 70) Atrazine                  | 16.692 | 200  | 799523   | 85.122  | ng/ul  | 99       |                         |
| 71) Pentachlorophenol         | 16.875 | 266  | 486078   | 77.637  | ng/ul  | 98       |                         |
| 72) Phenanthrene              | 17.269 | 178  | 3970423  | 85.687  | ng/ul  | 99       |                         |
| 74) Anthracene                | 17.357 | 178  | 3893162  | 82.968  | ng/ul  | 99       |                         |
| 75) 1,2,3,4-Tetrachloroben... | 13.287 | 216  | 1392883  | 113.298 | ng/ul  | 95       |                         |
| 76) Pentachlorobenzene        | 14.804 | 250  | 1157782  | 92.996  | ng/ul  | 91       |                         |
| 77) Carbazole                 | 17.628 | 167  | 3480620  | 84.015  | ng/ul  | 98       |                         |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 4252869  | 86.845  | ng/ul  | 99       |                         |
| 80) Fluoranthene              | 19.286 | 202  | 4175093  | 95.769  | ng/ul  | 99       |                         |
| 82) Pyrene                    | 19.651 | 202  | 4069193  | 91.190  | ng/ul  | 96       |                         |
| 83) Butylbenzylphthalate      | 20.551 | 149  | 1787648  | 107.591 | ng/ul  | 89       |                         |
| 84) 3,3'-Dichlorobenzidine    | 21.327 | 252  | 1107902  | 79.954  | ng/ul  | 93       |                         |
| 85) Benzo(a)anthracene        | 21.398 | 228  | 3726571  | 90.941  | ng/ul  | 99       |                         |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 2411655  | 96.171  | ng/ul  | 99       |                         |
| 87) Chrysene                  | 21.451 | 228  | 3595678  | 89.029  | ng/ul  | 99       |                         |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 4420764  | 96.462  | ng/ul  | 100      |                         |
| 90) Benzo(b)fluoranthene      | 23.063 | 252  | 3810360  | 90.013  | ng/ul  | 97       |                         |
| 91) Benzo(k)fluoranthene      | 23.110 | 252  | 3621873  | 87.961  | ng/ul  | 100      |                         |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 3761241  | 92.342  | ng/ul  | 99       |                         |
| 94) Indeno(1,2,3-cd)pyrene    | 26.239 | 276  | 4356052  | 104.834 | ng/ul  | 99       |                         |
| 95) Dibenzo(a,h)anthracene    | 26.257 | 278  | 3647888  | 103.861 | ng/ul  | 98       |                         |
| 96) Benzo(g,h,i)perylene      | 26.992 | 276  | 3861891  | 111.000 | ng/ul  | 95       |                         |

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

