

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100720\  
 Data File : BN012093.D  
 Acq On : 07 Oct 2020 12:46  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02064

Manual Integrations  
 APPROVED

mohammad  
 10/8/2020 12:30:18 PM

Quant Time: Oct 07 13:27:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 07 13:26:33 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 306863   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8            | 10.422 | 136  | 1250822  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10          | 14.292 | 164  | 773043   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10          | 17.039 | 188  | 1598653  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12              | 21.251 | 240  | 1606191  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12              | 23.457 | 264  | 1702920  | 20.00 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 60918    | 8.64  | ng/uL | 0.00     |
| 5) Phenol-d5                  | 6.816  | 99   | 515510   | 20.13 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 308267   | 19.59 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4          | 7.181  | 132  | 414919   | 20.03 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8         | 8.346  | 113  | 414685   | 20.57 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5           | 8.793  | 128  | 195420   | 19.68 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4          | 9.510  | 143  | 227330   | 21.16 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 405707   | 19.70 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4        | 10.557 | 131  | 512118   | 21.09 | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6      | 13.704 | 166  | 1142459  | 18.84 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8         | 13.981 | 160  | 1401145  | 19.36 | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4          | 14.492 | 143  | 214984   | 19.25 | ng/ul | 0.00     |
| 58) Fluorene-d10              | 15.286 | 176  | 975118   | 18.43 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylph... | 15.410 | 200  | 205623   | 20.15 | ng/ul | 0.00     |
| 71) Anthracene-d10            | 17.139 | 188  | 1480549  | 19.10 | ng/ul | 0.00     |
| 79) Pyrene-d10                | 19.445 | 212  | 1624921  | 19.23 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12        | 23.321 | 264  | 1722848  | 18.03 | ng/ul | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.216  | 88   | 65040    | 7.35  | ng/uL | 97       |
| 4) Benzaldehyde               | 6.793  | 77   | 334948   | 22.72 | ng/ul | 98       |
| 6) Phenol                     | 6.846  | 94   | 551714   | 20.71 | ng/ul | 91       |
| 8) Bis(2-Chloroethyl)ether    | 7.075  | 93   | 427668   | 19.76 | ng/ul | 95       |
| 10) 2-Chlorophenol            | 7.210  | 128  | 435660   | 20.34 | ng/ul | 99       |
| 11) 2-Methylphenol            | 8.087  | 108  | 406301   | 20.53 | ng/ul | 97       |
| 12) 2,2'-oxybis(1-Chloropr... | 8.169  | 45   | 566386   | 20.29 | ng/ul | 97       |
| 14) Acetophenone              | 8.463  | 105  | 666535   | 20.74 | ng/ul | 98       |
| 15) N-Nitroso-di-n-propyla... | 8.446  | 70   | 346056   | 21.46 | ng/ul | 96       |
| 16) 4-Methylphenol            | 8.410  | 108  | 440271   | 20.75 | ng/ul | 96       |
| 17) Hexachloroethane          | 8.710  | 117  | 187986   | 19.29 | ng/ul | 97       |
| 20) Nitrobenzene              | 8.834  | 77   | 505550   | 18.42 | ng/ul | 99       |
| 21) Isophorone                | 9.363  | 82   | 908314   | 19.74 | ng/ul | 98       |
| 23) 2-Nitrophenol             | 9.540  | 139  | 247686   | 20.85 | ng/ul | 96       |
| 24) 2,4-Dimethylphenol        | 9.604  | 107  | 504098   | 19.55 | ng/ul | 93       |
| 25) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 565409   | 19.58 | ng/ul | 96       |
| 27) 2,4-Dichlorophenol        | 10.069 | 162  | 415079   | 19.90 | ng/ul | 92       |
| 28) Naphthalene               | 10.469 | 128  | 1378273  | 19.25 | ng/ul | 100      |
| 30) 4-Chloroaniline           | 10.581 | 127  | 530151   | 21.68 | ng/ul | 98       |
| 31) Hexachlorobutadiene       | 10.757 | 225  | 253625   | 17.96 | ng/ul | 96       |
| 32) Caprolactam               | 11.357 | 113  | 122117m  | 21.23 | ng/ul |          |
| 33) 4-Chloro-3-methylphenol   | 11.710 | 107  | 460867   | 20.33 | ng/ul | 99       |
| 34) 2-Methylnaphthalene       | 12.087 | 142  | 966662   | 19.65 | ng/ul | 88       |
| 35) 1-Methylnaphthalene       | 12.310 | 142  | 889506   | 18.30 | ng/uL | 98       |
| 37) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 470210   | 18.78 | ng/ul | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 38) Hexachlorocyclopentadiene | 12.445 | 237  | 330798   | 18.68 | ng/ul  | 93       |
| 39) 2,4,6-Trichlorophenol     | 12.710 | 196  | 318773   | 20.30 | ng/ul  | 93       |
| 40) 2,4,5-Trichlorophenol     | 12.781 | 196  | 341236   | 20.15 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl             | 13.116 | 154  | 1224414  | 19.12 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene       | 13.157 | 162  | 947455   | 18.58 | ng/ul  | 95       |
| 43) 2-Nitroaniline            | 13.363 | 65   | 297693   | 20.37 | ng/ul  | 92       |
| 45) Dimethylphthalate         | 13.751 | 163  | 1188864  | 19.03 | ng/ul  | 97       |
| 46) 2,6-Dinitrotoluene        | 13.869 | 165  | 248218   | 20.35 | ng/ul  | 91       |
| 48) Acenaphthylene            | 14.010 | 152  | 1464498  | 19.26 | ng/ul  | 98       |
| 49) 3-Nitroaniline            | 14.198 | 138  | 243296   | 21.86 | ng/ul  | 86       |
| 50) Acenaphthene              | 14.357 | 153  | 1045609  | 19.13 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol         | 14.404 | 184  | 132245   | 17.79 | ng/ul  | 93       |
| 53) 4-Nitrophenol             | 14.510 | 109  | 189524   | 18.22 | ng/ul  | 91       |
| 54) Dibenzofuran              | 14.692 | 168  | 1413537  | 18.96 | ng/ul  | 93       |
| 55) 2,4-Dinitrotoluene        | 14.657 | 165  | 359760   | 20.32 | ng/ul  | 96       |
| 56) 2,3,4,6-Tetrachlorophenol | 14.922 | 232  | 283869   | 20.08 | ng/ul  | 96       |
| 57) Diethylphthalate          | 15.128 | 149  | 1220384  | 18.98 | ng/ul  | 99       |
| 59) Fluorene                  | 15.339 | 166  | 1186015  | 18.97 | ng/ul  | 93       |
| 60) 4-Chlorophenyl-phenyle... | 15.345 | 204  | 553552   | 18.14 | ng/ul  | 95       |
| 61) 4-Nitroaniline            | 15.363 | 138  | 254117   | 21.13 | ng/ul# | 81       |
| 64) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 212523   | 19.15 | ng/ul  | 97       |
| 65) N-Nitrosodiphenylamine    | 15.557 | 169  | 1023769  | 20.08 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether | 16.239 | 248  | 340484   | 18.62 | ng/ul  | 97       |
| 67) Hexachlorobenzene         | 16.345 | 284  | 400881   | 18.79 | ng/ul  | 93       |
| 68) Atrazine                  | 16.516 | 200  | 364313   | 19.53 | ng/ul  | 98       |
| 69) Pentachlorophenol         | 16.692 | 266  | 257960   | 20.39 | ng/ul  | 96       |
| 70) Phenanthrene              | 17.080 | 178  | 1859826  | 19.10 | ng/ul  | 98       |
| 72) Anthracene                | 17.175 | 178  | 1904316  | 19.36 | ng/ul  | 97       |
| 73) 1,2,3,4-Tetrachloroben... | 13.081 | 216  | 459896   | 19.79 | ng/uL  | 97       |
| 74) Pentachlorobenzene        | 14.610 | 250  | 458734   | 19.24 | ng/uL  | 95       |
| 75) Carbazole                 | 17.445 | 167  | 1717505  | 20.11 | ng/ul  | 97       |
| 76) Di-n-butylphthalate       | 18.016 | 149  | 2217759  | 20.45 | ng/ul  | 100      |
| 77) Fluoranthene              | 19.110 | 202  | 2153319  | 19.68 | ng/ul  | 99       |
| 80) Pyrene                    | 19.474 | 202  | 2144365  | 18.51 | ng/ul  | 99       |
| 81) Butylbenzylphthalate      | 20.392 | 149  | 1001122  | 21.02 | ng/ul  | 93       |
| 82) 3,3'-Dichlorobenzidine    | 21.168 | 252  | 765789   | 20.49 | ng/ul  | 95       |
| 83) Benzo(a)anthracene        | 21.233 | 228  | 2011850  | 18.59 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 1569175  | 21.47 | ng/ul  | 97       |
| 85) Chrysene                  | 21.286 | 228  | 1920810  | 18.06 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate      | 22.045 | 149  | 2610504  | 20.64 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene      | 22.798 | 252  | 2103330  | 17.63 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene      | 22.845 | 252  | 2035183  | 17.32 | ng/ul  | 99       |
| 91) Benzo(a)pyrene            | 23.362 | 252  | 1853310  | 17.13 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene    | 25.674 | 276  | 2445527  | 17.70 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene    | 25.680 | 278  | 2047768  | 17.99 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene      | 26.351 | 276  | 2083225  | 17.70 | ng/ul  | 98       |

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

