

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100820\  
 Data File : BN012116.D  
 Acq On : 08 Oct 2020 23:22  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02067

Manual Integrations  
 APPROVED

mohammad  
 10/12/2020 11:33:08 AM

Quant Time: Oct 09 03:00:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 08 15:35:30 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 364299   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8            | 10.422 | 136  | 1436626  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10          | 14.287 | 164  | 894737   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10          | 17.034 | 188  | 1824245  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12              | 21.233 | 240  | 1811893  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12              | 23.427 | 264  | 1850313  | 20.00 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 51454    | 6.15  | ng/uL | 0.00     |
| 5) Phenol-d5                  | 6.822  | 99   | 509354   | 16.75 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)eth...  | 6.987  | 67   | 307422   | 16.46 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4          | 7.181  | 132  | 422246   | 17.17 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8         | 8.352  | 113  | 412284   | 17.23 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5           | 8.793  | 128  | 194841   | 17.08 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4          | 9.510  | 143  | 225484   | 18.28 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 400237   | 16.92 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4        | 10.557 | 131  | 522050   | 18.72 | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6      | 13.698 | 166  | 1149541  | 16.38 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8         | 13.975 | 160  | 1436827  | 17.15 | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4          | 14.493 | 143  | 213254   | 16.50 | ng/ul | 0.00     |
| 58) Fluorene-d10              | 15.281 | 176  | 993607   | 16.22 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 190840   | 16.39 | ng/ul | 0.00     |
| 71) Anthracene-d10            | 17.134 | 188  | 1491862  | 16.86 | ng/ul | 0.00     |
| 79) Pyrene-d10                | 19.433 | 212  | 1566736  | 16.44 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12        | 23.292 | 264  | 1683846  | 16.22 | ng/ul | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.217  | 88   | 62720    | 5.97  | ng/uL | 97       |
| 4) Benzaldehyde               | 6.799  | 77   | 345142   | 19.72 | ng/ul | 93       |
| 6) Phenol                     | 6.852  | 94   | 534072   | 16.89 | ng/ul | 92       |
| 8) Bis(2-Chloroethyl)ether    | 7.081  | 93   | 427729   | 16.65 | ng/ul | 99       |
| 10) 2-Chlorophenol            | 7.216  | 128  | 431056   | 16.95 | ng/ul | 99       |
| 11) 2-Methylphenol            | 8.087  | 108  | 394346   | 16.79 | ng/ul | 99       |
| 12) 2,2'-oxybis(1-Chloropr... | 8.175  | 45   | 551857   | 16.65 | ng/ul | 97       |
| 14) Acetophenone              | 8.463  | 105  | 642238   | 16.84 | ng/ul | 96       |
| 15) N-Nitroso-di-n-propyla... | 8.452  | 70   | 338502   | 17.68 | ng/ul | 95       |
| 16) 4-Methylphenol            | 8.411  | 108  | 425863   | 16.91 | ng/ul | 95       |
| 17) Hexachloroethane          | 8.710  | 117  | 189287   | 16.36 | ng/ul | 94       |
| 20) Nitrobenzene              | 8.834  | 77   | 524435   | 16.63 | ng/ul | 99       |
| 21) Isophorone                | 9.363  | 82   | 914911   | 17.31 | ng/ul | 98       |
| 23) 2-Nitrophenol             | 9.540  | 139  | 238777   | 17.50 | ng/ul | 98       |
| 24) 2,4-Dimethylphenol        | 9.605  | 107  | 486645   | 16.43 | ng/ul | 93       |
| 25) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 566992   | 17.10 | ng/ul | 99       |
| 27) 2,4-Dichlorophenol        | 10.069 | 162  | 410785   | 17.15 | ng/ul | 99       |
| 28) Naphthalene               | 10.469 | 128  | 1367961  | 16.64 | ng/ul | 97       |
| 30) 4-Chloroaniline           | 10.581 | 127  | 507832   | 18.08 | ng/ul | 95       |
| 31) Hexachlorobutadiene       | 10.757 | 225  | 253215   | 15.61 | ng/ul | 98       |
| 32) Caprolactam               | 11.357 | 113  | 125376m  | 18.98 | ng/ul |          |
| 33) 4-Chloro-3-methylphenol   | 11.710 | 107  | 445487   | 17.11 | ng/ul | 94       |
| 34) 2-Methylnaphthalene       | 12.087 | 142  | 939557   | 16.63 | ng/ul | 98       |
| 35) 1-Methylnaphthalene       | 12.310 | 142  | 924905   | 16.56 | ng/uL | 97       |
| 37) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 453985   | 15.66 | ng/ul | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 38) Hexachlorocyclopentadiene | 12.440 | 237  | 301087   | 14.69 | ng/ul  | 98       |
| 39) 2,4,6-Trichlorophenol     | 12.704 | 196  | 306598   | 16.87 | ng/ul  | 92       |
| 40) 2,4,5-Trichlorophenol     | 12.775 | 196  | 337959   | 17.24 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl             | 13.110 | 154  | 1205765  | 16.27 | ng/ul  | 94       |
| 42) 2-Chloronaphthalene       | 13.151 | 162  | 960057   | 16.27 | ng/ul  | 96       |
| 43) 2-Nitroaniline            | 13.363 | 65   | 290511   | 17.17 | ng/ul  | 91       |
| 45) Dimethylphthalate         | 13.746 | 163  | 1202145  | 16.62 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene        | 13.863 | 165  | 251780   | 17.84 | ng/ul  | 88       |
| 48) Acenaphthylene            | 14.004 | 152  | 1474568  | 16.75 | ng/ul  | 97       |
| 49) 3-Nitroaniline            | 14.193 | 138  | 240100   | 18.64 | ng/ul  | 87       |
| 50) Acenaphthene              | 14.351 | 153  | 1008929  | 15.95 | ng/ul  | 92       |
| 51) 2,4-Dinitrophenol         | 14.398 | 184  | 139324   | 16.19 | ng/ul  | 89       |
| 53) 4-Nitrophenol             | 14.504 | 109  | 187108   | 15.54 | ng/ul  | 91       |
| 54) Dibenzofuran              | 14.687 | 168  | 1396902  | 16.18 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene        | 14.657 | 165  | 358920   | 17.52 | ng/ul  | 90       |
| 56) 2,3,4,6-Tetrachlorophenol | 14.916 | 232  | 278756   | 17.04 | ng/ul  | 93       |
| 57) Diethylphthalate          | 15.122 | 149  | 1210901  | 16.27 | ng/ul  | 98       |
| 59) Fluorene                  | 15.340 | 166  | 1167878  | 16.14 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 561220   | 15.89 | ng/ul  | 95       |
| 61) 4-Nitroaniline            | 15.357 | 138  | 250820   | 18.02 | ng/ul  | 90       |
| 64) 4,6-Dinitro-2-methylph... | 15.416 | 198  | 213156   | 16.83 | ng/ul  | 98       |
| 65) N-Nitrosodiphenylamine    | 15.551 | 169  | 988179   | 16.98 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether | 16.228 | 248  | 336180   | 16.11 | ng/ul  | 94       |
| 67) Hexachlorobenzene         | 16.340 | 284  | 384967   | 15.81 | ng/ul  | 97       |
| 68) Atrazine                  | 16.504 | 200  | 354529   | 16.65 | ng/ul  | 99       |
| 69) Pentachlorophenol         | 16.687 | 266  | 222882   | 15.44 | ng/ul  | 98       |
| 70) Phenanthrene              | 17.075 | 178  | 1839669  | 16.55 | ng/ul  | 100      |
| 72) Anthracene                | 17.163 | 178  | 1874772  | 16.71 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachloroben... | 13.075 | 216  | 433137   | 16.33 | ng/uL  | 96       |
| 74) Pentachlorobenzene        | 14.604 | 250  | 469322   | 17.25 | ng/uL  | 95       |
| 75) Carbazole                 | 17.439 | 167  | 1607771  | 16.50 | ng/ul  | 100      |
| 76) Di-n-butylphthalate       | 18.010 | 149  | 2094703  | 16.93 | ng/ul  | 100      |
| 77) Fluoranthene              | 19.098 | 202  | 2107785  | 16.89 | ng/ul  | 98       |
| 80) Pyrene                    | 19.463 | 202  | 2193310  | 16.78 | ng/ul  | 99       |
| 81) Butylbenzylphthalate      | 20.375 | 149  | 950964   | 17.70 | ng/ul  | 95       |
| 82) 3,3'-Dichlorobenzidine    | 21.151 | 252  | 723109   | 17.15 | ng/ul# | 97       |
| 83) Benzo(a)anthracene        | 21.216 | 228  | 1991312  | 16.31 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.157 | 149  | 1443816  | 17.51 | ng/ul  | 100      |
| 85) Chrysene                  | 21.269 | 228  | 1924969  | 16.04 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate      | 22.027 | 149  | 2458724  | 17.89 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene      | 22.774 | 252  | 2195503  | 16.94 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene      | 22.816 | 252  | 2021307  | 15.83 | ng/ul  | 99       |
| 91) Benzo(a)pyrene            | 23.333 | 252  | 1956895  | 16.64 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene    | 25.627 | 276  | 2351186  | 15.66 | ng/ul  | 96       |
| 93) Dibenzo(a,h)anthracene    | 25.645 | 278  | 2018637  | 16.32 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene      | 26.310 | 276  | 1967426  | 15.39 | ng/ul  | 98       |

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

