

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062821\  
 Data File : BN015170.D  
 Acq On : 28 Jun 2021 11:45  
 Operator : CG/JU  
 Sample : PB137314BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS314

Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:30:36 PM

Quant Time: Jun 28 12:14:35 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061821MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 24 14:43:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 154981   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.499 | 136  | 628731   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.351 | 164  | 363954   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 728658   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.298 | 240  | 706365   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.551 | 264  | 654263   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 24167    | 6.067  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.670  | 84   | 286472   | 26.678 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 474672   | 35.288 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.064  | 67   | 273526   | 34.625 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.258  | 132  | 366035   | 35.887 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 351124   | 33.822 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 181196   | 42.130 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 171206   | 44.689 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.116 | 165  | 344086   | 38.052 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.628 | 131  | 452031   | 32.257 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 988396   | 39.549 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.040 | 160  | 1276215  | 39.337 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.546 | 143  | 184298   | 42.278 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 850546   | 39.119 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 118229   | 39.287 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.198 | 188  | 1243091  | 37.273 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.498 | 212  | 1384535  | 37.396 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.410 | 264  | 1423238  | 44.065 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 58686    | 14.297 | ng/uL  | 95       |
| 5) Pyridine                   | 3.693  | 79   | 320380   | 28.677 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.869  | 77   | 284478   | 45.473 | ng/u1  | 93       |
| 8) Phenol                     | 6.922  | 94   | 482739   | 35.400 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.152  | 93   | 378852   | 35.168 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.293  | 128  | 368080   | 35.665 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.158  | 108  | 349000   | 34.276 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.252  | 45   | 487949   | 34.772 | ng/u1  | 99       |
| 16) Acetophenone              | 8.534  | 105  | 571672   | 36.352 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 280523   | 36.417 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.481  | 108  | 382076   | 34.989 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.793  | 117  | 147490   | 34.963 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.911  | 77   | 427192   | 40.684 | ng/u1  | 99       |
| 23) Isophorone                | 9.428  | 82   | 788799   | 38.199 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.616  | 139  | 190309   | 44.812 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.675  | 107  | 300497   | 27.293 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 9.916  | 93   | 489559   | 37.158 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.146 | 162  | 339431   | 38.539 | ng/u1  | 99       |
| 30) Naphthalene               | 10.546 | 128  | 1177190  | 36.692 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.652 | 127  | 446846   | 32.443 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.834 | 225  | 190997   | 34.935 | ng/u1  | 96       |
| 34) Caprolactam               | 11.405 | 113  | 119992m  | 39.892 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.781 | 107  | 379706   | 39.399 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.163 | 142  | 814838   | 36.687 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.381 | 142  | 794919   | 35.718 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.534 | 216  | 391694   | 38.555 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.516 | 237  | 137823   | 24.858 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.775 | 196  | 243978   | 41.073 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.846 | 196  | 268647   | 40.706 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.181 | 154  | 1036626  | 39.470 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.222 | 162  | 802234   | 39.215 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.422 | 65   | 244630   | 51.398 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.810 | 163  | 1000017  | 41.342 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.928 | 165  | 207398   | 50.961 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.069 | 152  | 1209000  | 39.492 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 231759   | 50.365 | ng/ul# | 93       |
| 52) Acenaphthene              | 14.416 | 153  | 864396   | 40.135 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 71114    | 38.053 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 143267   | 45.069 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.751 | 168  | 1211551  | 40.051 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 299350   | 52.747 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 211701   | 43.762 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.181 | 149  | 1018035  | 42.160 | ng/ul  | 99       |
| 61) Fluorene                  | 15.398 | 166  | 961654   | 40.159 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 455111   | 39.998 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.416 | 138  | 238266   | 55.645 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 122220   | 40.185 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.610 | 169  | 848858   | 40.163 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.293 | 248  | 284651   | 40.582 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 320677   | 40.796 | ng/ul  | 96       |
| 70) Atrazine                  | 16.563 | 200  | 176813   | 24.043 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.745 | 266  | 150984   | 36.715 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.140 | 178  | 1578453  | 41.043 | ng/ul  | 99       |
| 74) Anthracene                | 17.228 | 178  | 1525741  | 38.645 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.146 | 216  | 393700   | 38.153 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 364277   | 36.869 | ng/ul  | 98       |
| 77) Carbazole                 | 17.498 | 167  | 1414830  | 39.759 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 1737271  | 42.887 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.163 | 202  | 1769673  | 39.597 | ng/ul  | 99       |
| 82) Pyrene                    | 19.528 | 202  | 1806053  | 38.771 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.439 | 149  | 738485   | 44.477 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.222 | 252  | 469129   | 32.251 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 1724761  | 39.477 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.228 | 149  | 1100052  | 41.369 | ng/ul  | 98       |
| 87) Chrysene                  | 21.339 | 228  | 1700177  | 39.518 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.110 | 149  | 1909730  | 46.674 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.875 | 252  | 1719606  | 43.646 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 22.922 | 252  | 1727788  | 43.330 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.457 | 252  | 1580111  | 44.125 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.816 | 276  | 1943841  | 44.741 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.821 | 278  | 1614088  | 44.823 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.498 | 276  | 1605247  | 42.743 | ng/ul  | 99       |

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

