

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101521\  
 Data File : BN016975.D  
 Acq On : 15 Oct 2021 15:12  
 Operator : CG/JU  
 Sample : SST02024  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST020224

Manual Integrations  
 APPROVED

mohammad  
 10/19/2021 12:08:27 PM

Quant Time: Oct 15 15:46:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101521MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 15 15:46:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.546  | 152  | 92089    | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.322 | 136  | 440328   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.198 | 164  | 298719   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.951 | 188  | 650129   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.169 | 240  | 713092   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.380 | 264  | 790778   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.075  | 96   | 17228    | 7.92  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.464  | 84   | 125622   | 20.96 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.734  | 99   | 162244   | 22.24 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 97769    | 22.86 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.081  | 132  | 130530   | 22.58 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.263  | 113  | 135907   | 23.82 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.699  | 128  | 64962    | 23.04 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.416  | 143  | 72470    | 25.65 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.952  | 165  | 138800   | 23.75 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.469 | 131  | 204845   | 23.03 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.622 | 166  | 442448   | 23.14 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.887 | 160  | 567010   | 22.99 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.422 | 143  | 87847    | 24.05 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.198 | 176  | 382064   | 22.84 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.328 | 200  | 78166    | 25.54 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.051 | 188  | 615678   | 22.55 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.357 | 212  | 697382   | 20.73 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.239 | 264  | 855078   | 22.59 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.105  | 88   | 19690    | 8.47  | ng/uL  | 100      |
| 5) Pyridine                   | 3.487  | 79   | 128540   | 21.31 | ng/ul  | 100      |
| 6) Benzaldehyde               | 6.699  | 77   | 103030   | 26.47 | ng/ul  | 100      |
| 8) Phenol                     | 6.758  | 94   | 169619   | 22.41 | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 6.987  | 93   | 137194   | 23.22 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.111  | 128  | 135453   | 22.82 | ng/ul  | 100      |
| 13) 2-Methylphenol            | 7.999  | 108  | 128816   | 22.97 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.087  | 45   | 178819   | 22.23 | ng/ul  | 100      |
| 16) Acetophenone              | 8.363  | 105  | 221456   | 25.03 | ng/ul  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.358  | 70   | 110631   | 26.10 | ng/ul  | 100      |
| 18) 4-Methylphenol            | 8.328  | 108  | 148567   | 24.48 | ng/ul  | 100      |
| 19) Hexachloroethane          | 8.610  | 117  | 51480    | 22.16 | ng/ul  | 100      |
| 22) Nitrobenzene              | 8.740  | 77   | 156507   | 23.25 | ng/ul  | 100      |
| 23) Isophorone                | 9.257  | 82   | 313244   | 24.62 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.446  | 139  | 82413    | 25.48 | ng/ul  | 100      |
| 26) 2,4-Dimethylphenol        | 9.516  | 107  | 165036   | 23.44 | ng/ul  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.757  | 93   | 198479   | 23.31 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 9.975  | 162  | 136948   | 23.42 | ng/ul  | 100      |
| 30) Naphthalene               | 10.369 | 128  | 476463   | 22.21 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.493 | 127  | 214133   | 23.41 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 10.657 | 225  | 82826    | 22.47 | ng/ul  | 100      |
| 34) Caprolactam               | 11.240 | 113  | 49278m   | 25.64 | ng/ul  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.628 | 107  | 157257   | 25.27 | ng/ul  | 100      |
| 36) 2-Methylnaphthalene       | 11.993 | 142  | 335901   | 23.47 | ng/ul  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.216 | 142  | 345402   | 23.74 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.369 | 216  | 171623   | 21.36 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.351 | 237  | 102188   | 20.60 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.622 | 196  | 114925   | 23.63 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.693 | 196  | 129255   | 24.10 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.028 | 154  | 459018   | 21.82 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.063 | 162  | 354163   | 22.03 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.281 | 65   | 94063    | 24.77 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.669 | 163  | 450531   | 23.19 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.787 | 165  | 87895    | 25.45 | ng/ul | 100      |
| 50) Acenaphthylene            | 13.916 | 152  | 596062   | 22.93 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.116 | 138  | 97685    | 24.47 | ng/ul | 100      |
| 52) Acenaphthene              | 14.263 | 153  | 379053   | 22.27 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.328 | 184  | 50918    | 25.90 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.434 | 109  | 65168    | 24.82 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.604 | 168  | 542316   | 22.42 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.581 | 165  | 131935   | 26.57 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.834 | 232  | 107791   | 25.81 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.051 | 149  | 452014   | 22.99 | ng/ul | 100      |
| 61) Fluorene                  | 15.257 | 166  | 444773   | 23.05 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.257 | 204  | 217572   | 22.97 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.287 | 138  | 102885   | 26.74 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.345 | 198  | 78725    | 25.28 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.475 | 169  | 390565   | 22.06 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.157 | 248  | 134825   | 22.43 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.257 | 284  | 169694   | 24.54 | ng/ul | 100      |
| 70) Atrazine                  | 16.439 | 200  | 138286   | 21.95 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.604 | 266  | 94775    | 23.85 | ng/ul | 100      |
| 72) Phenanthrene              | 16.998 | 178  | 721681   | 22.00 | ng/ul | 100      |
| 74) Anthracene                | 17.086 | 178  | 738537   | 22.33 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.987 | 216  | 179976   | 20.16 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 14.522 | 250  | 190288   | 22.05 | ng/uL | 100      |
| 77) Carbazole                 | 17.363 | 167  | 677655   | 23.02 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 761670   | 22.95 | ng/ul | 100      |
| 80) Fluoranthene              | 19.022 | 202  | 865824   | 20.60 | ng/ul | 100      |
| 82) Pyrene                    | 19.386 | 202  | 906634   | 20.70 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.322 | 149  | 341357   | 22.78 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.092 | 252  | 320664   | 22.72 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.151 | 228  | 919331   | 21.94 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.110 | 149  | 536135   | 22.46 | ng/ul | 100      |
| 87) Chrysene                  | 21.204 | 228  | 896633   | 21.88 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 21.986 | 149  | 921467   | 20.69 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.716 | 252  | 1032535  | 22.39 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 22.757 | 252  | 940601   | 21.29 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.286 | 252  | 990768   | 22.13 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.615 | 276  | 1190579  | 27.92 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 25.633 | 278  | 1023720  | 23.32 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 26.292 | 276  | 1020096  | 23.92 | ng/ul | 100      |

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

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