

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061421\  
 Data File : BN014907.D  
 Acq On : 14 Jun 2021 20:27  
 Operator : CG/JU  
 Sample : PB137010BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS010

Manual Integrations  
 APPROVED

mohammad

Quant Time: Jun 14 21:17:02 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061221MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 14 10:46:06 2021  
 Response via : Initial Calibration

6/15/2021 2:41:54 PM

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 113595   | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 405011   | 20.00 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.345 | 164  | 302735   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.092 | 188  | 691336   | 20.00 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.298 | 240  | 825092   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.551 | 264  | 880222   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 13873    | 6.49  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 146511   | 29.49 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.864  | 99   | 293840   | 34.53 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 142072   | 35.24 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.228  | 132  | 229369   | 35.16 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 247320   | 34.11 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 115016   | 37.84 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 130926   | 37.99 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 271694   | 39.15 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 280444   | 34.12 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.751 | 166  | 887588   | 36.88 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.034 | 160  | 1000591  | 38.04 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 130637   | 38.64 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.340 | 176  | 719107   | 36.63 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 162608   | 39.35 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.192 | 188  | 1175884  | 37.58 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.498 | 212  | 1407639  | 36.99 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.410 | 264  | 1858793  | 42.25 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.240  | 88   | 30210    | 12.68 | ng/uL# | 74       |
| 5) Pyridine                   | 3.628  | 79   | 149400   | 28.99 | ng/ul  | 94       |
| 6) Benzaldehyde               | 6.834  | 77   | 191245   | 44.72 | ng/ul  | 96       |
| 8) Phenol                     | 6.893  | 94   | 291047   | 34.47 | ng/ul# | 82       |
| 10) Bis(2-Chloroethyl)ether   | 7.116  | 93   | 218673   | 34.33 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.258  | 128  | 240067   | 34.64 | ng/ul# | 86       |
| 13) 2-Methylphenol            | 8.134  | 108  | 229974   | 34.40 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 142120m  | 34.29 | ng/ul  |          |
| 16) Acetophenone              | 8.505  | 105  | 401167   | 34.38 | ng/ul# | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.493  | 70   | 195706   | 35.49 | ng/ul# | 93       |
| 18) 4-Methylphenol            | 8.463  | 108  | 250776   | 34.86 | ng/ul  | 90       |
| 19) Hexachloroethane          | 8.763  | 117  | 119072   | 33.11 | ng/ul  | 86       |
| 22) Nitrobenzene              | 8.881  | 77   | 321838   | 39.70 | ng/ul# | 97       |
| 23) Isophorone                | 9.405  | 82   | 553091   | 37.83 | ng/ul# | 93       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 134547   | 38.55 | ng/ul# | 84       |
| 26) 2,4-Dimethylphenol        | 9.658  | 107  | 291872   | 31.10 | ng/ul  | 90       |
| 27) Bis(2-Chloroethoxy)met... | 9.893  | 93   | 310848   | 38.87 | ng/ul# | 92       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 261063   | 39.57 | ng/ul  | 91       |
| 30) Naphthalene               | 10.522 | 128  | 747142   | 36.76 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 279752   | 34.47 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 252622   | 38.82 | ng/ul  | 93       |
| 34) Caprolactam               | 11.393 | 113  | 79638m   | 39.09 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.769 | 107  | 358359   | 41.85 | ng/ul# | 93       |
| 36) 2-Methylnaphthalene       | 12.146 | 142  | 553724   | 37.15 | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.363 | 142  | 538395   | 35.78 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.522 | 216  | 390145   | 37.08 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.504 | 237  | 227166   | 29.13 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.763 | 196  | 232444   | 38.08 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.840 | 196  | 262243   | 39.06 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.169 | 154  | 758388   | 36.47 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.210 | 162  | 613335   | 36.93 | ng/ul  | 93       |
| 45) 2-Nitroaniline            | 13.416 | 65   | 197972   | 40.71 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.798 | 163  | 867141   | 38.23 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.922 | 165  | 183628   | 41.79 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.057 | 152  | 894011   | 37.47 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 148810   | 40.95 | ng/ul  | 79       |
| 52) Acenaphthene              | 14.410 | 153  | 664716   | 37.51 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 97483    | 40.24 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.569 | 109  | 231141   | 40.98 | ng/ul# | 80       |
| 56) Dibenzofuran              | 14.745 | 168  | 976185   | 37.81 | ng/ul# | 82       |
| 57) 2,4-Dinitrotoluene        | 14.710 | 165  | 285462   | 41.94 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 243658   | 38.43 | ng/ul# | 78       |
| 59) Diethylphthalate          | 15.175 | 149  | 885264   | 38.40 | ng/ul  | 95       |
| 61) Fluorene                  | 15.398 | 166  | 757697   | 36.70 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.393 | 204  | 433786   | 37.79 | ng/ul# | 81       |
| 63) 4-Nitroaniline            | 15.422 | 138  | 154130   | 43.08 | ng/ul# | 67       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 161571   | 40.06 | ng/ul# | 93       |
| 67) N-Nitrosodiphenylamine    | 15.610 | 169  | 704002   | 39.23 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 339838   | 40.92 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 424963   | 39.51 | ng/ul  | 97       |
| 70) Atrazine                  | 16.563 | 200  | 226940   | 27.95 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.751 | 266  | 218310   | 41.43 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.139 | 178  | 1356096  | 39.19 | ng/ul  | 96       |
| 74) Anthracene                | 17.228 | 178  | 1349775  | 38.67 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.134 | 216  | 390591   | 37.20 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 431566   | 37.34 | ng/uL  | 99       |
| 77) Carbazole                 | 17.498 | 167  | 1156959  | 39.65 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 1477202  | 40.58 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.163 | 202  | 1738101  | 39.74 | ng/ul# | 93       |
| 82) Pyrene                    | 19.528 | 202  | 1812012  | 39.07 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.439 | 149  | 714044   | 41.78 | ng/ul  | 89       |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 581474   | 38.46 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 1867600  | 38.64 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 1019590  | 40.49 | ng/ul  | 98       |
| 87) Chrysene                  | 21.333 | 228  | 1912565  | 39.93 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.104 | 149  | 1984744  | 43.19 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.874 | 252  | 2220121  | 43.41 | ng/ul  | 94       |
| 91) Benzo(k)fluoranthene      | 22.916 | 252  | 2132772m | 42.42 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.451 | 252  | 1911586  | 41.15 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.827 | 276  | 2523781  | 42.18 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 25.839 | 278  | 2104212  | 42.97 | ng/ul# | 98       |
| 96) Benzo(g,h,i)perylene      | 26.521 | 276  | 2235771  | 42.55 | ng/ul# | 92       |

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

