

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041423\  
 Data File : BN024888.D  
 Acq On : 14 Apr 2023 09:07  
 Operator : CG/JU  
 Sample : PB152091BS  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS091

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Apr 14 09:36:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 14 03:27:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 471606   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.752 | 136  | 2055200  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.587 | 164  | 1262614  | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.334 | 188  | 2779554  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 2446149  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 23.980 | 264  | 2577377  | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.311  | 96   | 74724    | 6.030  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 1221908  | 32.932 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.099  | 99   | 1601912  | 34.840 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.269  | 67   | 1043279  | 33.924 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 1192343  | 35.287 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.658  | 113  | 1251505  | 34.287 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 609934   | 36.653 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.834  | 143  | 691202   | 38.348 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 1177340  | 36.544 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.899 | 131  | 1524558  | 31.183 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.998 | 166  | 3573106  | 36.505 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.281 | 160  | 4014764  | 35.794 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.793 | 143  | 771661   | 38.460 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.581 | 176  | 2975450  | 36.004 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 200  | 689455   | 38.114 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.434 | 188  | 4578862  | 35.075 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.728 | 212  | 5239508  | 36.887 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.827 | 264  | 4928323  | 36.570 | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.346  | 88   | 166439   | 12.447 | ng/uL | 95       |
| 5) Pyridine                   | 3.752  | 79   | 1282216  | 33.448 | ng/u1 | 99       |
| 6) Benzaldehyde               | 7.075  | 77   | 346710   | 15.433 | ng/u1 | 93       |
| 8) Phenol                     | 7.128  | 94   | 1674782  | 34.976 | ng/u1 | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.364  | 93   | 1284567  | 34.171 | ng/u1 | 98       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 1224998  | 34.712 | ng/u1 | 99       |
| 13) 2-Methylphenol            | 8.387  | 108  | 1218342  | 34.655 | ng/u1 | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 2503815  | 33.919 | ng/u1 | 100      |
| 16) Acetophenone              | 8.769  | 105  | 1953467  | 33.846 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 1082711  | 34.779 | ng/u1 | 98       |
| 18) 4-Methylphenol            | 8.722  | 108  | 1341921  | 34.325 | ng/u1 | 94       |
| 19) Hexachloroethane          | 9.022  | 117  | 493651   | 34.660 | ng/u1 | 98       |
| 22) Nitrobenzene              | 9.152  | 77   | 1599473  | 35.771 | ng/u1 | 99       |
| 23) Isophorone                | 9.681  | 82   | 2980368  | 36.311 | ng/u1 | 100      |
| 25) 2-Nitrophenol             | 9.863  | 139  | 722367   | 37.153 | ng/u1 | 99       |
| 26) 2,4-Dimethylphenol        | 9.928  | 107  | 1382930  | 33.782 | ng/u1 | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93   | 1794243  | 35.126 | ng/u1 | 100      |
| 29) 2,4-Dichlorophenol        | 10.399 | 162  | 1170568  | 36.203 | ng/u1 | 96       |
| 30) Naphthalene               | 10.805 | 128  | 3966000  | 34.553 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 10.922 | 127  | 983083   | 19.863 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.087 | 225  | 665999   | 35.339 | ng/u1 | 96       |
| 34) Caprolactam               | 11.710 | 113  | 437723m  | 38.624 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.046 | 107  | 1437256  | 37.911 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.410 | 142  | 2657286  | 35.030 | ng/u1 | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.634 | 142  | 2741157  | 36.199 | ng/u1  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 1277245  | 34.680 | ng/u1  | 97       |
| 40) Hexachlorocyclopentadiene | 12.757 | 237  | 756803   | 33.699 | ng/u1  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.022 | 196  | 891856   | 35.442 | ng/u1  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.093 | 196  | 1009527  | 36.660 | ng/u1  | 98       |
| 43) 1,1'-Biphenyl             | 13.422 | 154  | 3503440  | 34.826 | ng/u1  | 98       |
| 44) 2-Chloronaphthalene       | 13.463 | 162  | 2745482  | 35.148 | ng/u1  | 99       |
| 45) 2-Nitroaniline            | 13.675 | 65   | 1098475  | 40.272 | ng/u1  | 97       |
| 47) Dimethylphthalate         | 14.046 | 163  | 3618426  | 36.742 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.169 | 165  | 779195   | 40.535 | ng/u1  | 96       |
| 50) Acenaphthylene            | 14.310 | 152  | 4366573  | 35.444 | ng/u1  | 100      |
| 51) 3-Nitroaniline            | 14.498 | 138  | 773987   | 38.315 | ng/u1  | 100      |
| 52) Acenaphthene              | 14.651 | 153  | 3013550  | 35.383 | ng/u1  | 99       |
| 53) 2,4-Dinitrophenol         | 14.704 | 184  | 520198   | 42.088 | ng/u1  | 98       |
| 55) 4-Nitrophenol             | 14.810 | 109  | 624029   | 38.214 | ng/u1  | 97       |
| 56) Dibenzofuran              | 14.987 | 168  | 4166896  | 35.495 | ng/u1  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.957 | 165  | 1140926  | 41.002 | ng/u1  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.210 | 232  | 815499   | 35.964 | ng/u1  | 100      |
| 59) Diethylphthalate          | 15.410 | 149  | 3765509  | 38.051 | ng/u1  | 99       |
| 61) Fluorene                  | 15.634 | 166  | 3398276  | 35.989 | ng/u1  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.628 | 204  | 1573035  | 35.791 | ng/u1  | 98       |
| 63) 4-Nitroaniline            | 15.669 | 138  | 875578   | 43.983 | ng/u1  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.722 | 198  | 676561   | 38.182 | ng/u1# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.840 | 169  | 2948677  | 34.967 | ng/u1  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.522 | 248  | 1001534  | 35.847 | ng/u1  | 99       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 1146645  | 36.249 | ng/u1  | 99       |
| 70) Atrazine                  | 16.792 | 200  | 38281    | 1.334  | ng/u1  | 99       |
| 71) Pentachlorophenol         | 16.981 | 266  | 700017   | 35.603 | ng/u1  | 96       |
| 72) Phenanthrene              | 17.381 | 178  | 5531468  | 35.265 | ng/u1  | 99       |
| 74) Anthracene                | 17.469 | 178  | 5369091  | 33.970 | ng/u1  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.387 | 216  | 1319549  | 33.377 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 1321523  | 34.938 | ng/uL  | 97       |
| 77) Carbazole                 | 17.739 | 167  | 5148965  | 36.079 | ng/u1  | 97       |
| 78) Di-n-butylphthalate       | 18.298 | 149  | 6466294  | 38.173 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 6201472  | 36.428 | ng/u1  | 98       |
| 82) Pyrene                    | 19.757 | 202  | 6402928  | 35.732 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.651 | 149  | 3043713  | 40.913 | ng/u1  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.445 | 252  | 1692257  | 30.152 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.510 | 228  | 6245601  | 35.550 | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 4429491  | 39.884 | ng/u1  | 98       |
| 87) Chrysene                  | 21.569 | 228  | 5957455  | 35.601 | ng/u1  | 96       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 7748167  | 43.745 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.233 | 252  | 6362305  | 37.641 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.286 | 252  | 6140410  | 36.919 | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 23.880 | 252  | 5478010  | 37.017 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.557 | 276  | 6201575  | 34.587 | ng/u1  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.568 | 278  | 5159523  | 34.855 | ng/u1  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.345 | 276  | 5028039  | 34.558 | ng/u1  | 97       |

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

