

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072924\  
 Data File : BP021208.D  
 Acq On : 29 Jul 2024 13:30  
 Operator : MA/JU  
 Sample : PB162296BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS296

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 09/04/2024

Quant Time: Jul 30 00:34:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 224354   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.393 | 136  | 891382   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.275 | 164  | 580120   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.092 | 188  | 1222175  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.545 | 240  | 1073106  | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.856 | 264  | 1174662  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 31535    | 6.396  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 383305   | 26.855 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 513394   | 28.068 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.987  | 67   | 307072   | 27.702 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.187  | 132  | 416148   | 27.614 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 411747   | 27.104 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 201423   | 29.093 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.504  | 143  | 234330   | 29.571 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 419615   | 29.284 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 501825   | 26.436 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.686 | 166  | 1251915  | 29.686 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 1394123  | 29.441 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.563 | 143  | 239042m  | 39.839 | ng/u1  | -0.02    |
| 60) Fluorene-d10              | 15.292 | 176  | 1055346  | 30.504 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 215681   | 29.167 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.198 | 188  | 1621003  | 29.862 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 1922950  | 28.985 | ng/u1  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 24.633 | 264  | 1771808  | 30.583 | ng/u1  | 0.04     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.205  | 88   | 56783    | 10.472 | ng/uL  | 99       |
| 5) Pyridine                   | 3.605  | 79   | 389974   | 26.489 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.810  | 77   | 260168   | 28.214 | ng/u1  | 99       |
| 8) Phenol                     | 6.881  | 94   | 531131   | 28.696 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.075  | 93   | 426125   | 27.870 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.222  | 128  | 432527   | 28.636 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.099  | 108  | 398491   | 27.839 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.146  | 45   | 619163   | 28.029 | ng/u1  | 98       |
| 16) Acetophenone              | 8.457  | 105  | 653568   | 27.875 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.434  | 70   | 328432   | 26.734 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.428  | 108  | 434719   | 28.348 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.687  | 117  | 191625   | 28.232 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.834  | 77   | 498295   | 30.045 | ng/u1  | 98       |
| 23) Isophorone                | 9.351  | 82   | 925179   | 28.060 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.534  | 139  | 254258   | 30.765 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.604  | 107  | 408039   | 25.037 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.828  | 93   | 569624   | 28.422 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 419032   | 29.673 | ng/u1  | 98       |
| 30) Naphthalene               | 10.445 | 128  | 1374454  | 29.314 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.581 | 127  | 468084   | 25.823 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.698 | 225  | 305175   | 28.821 | ng/u1  | 99       |
| 34) Caprolactam               | 11.392 | 113  | 136797m  | 31.446 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.734 | 107  | 458631   | 29.878 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.063 | 142  | 912645   | 28.356 | ng/u1  | 100      |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.287 | 142  | 932309   | 28.165 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.434 | 216  | 554111   | 29.411 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.392 | 237  | 148411   | 15.059 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.710 | 196  | 306364   | 25.735 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.792 | 196  | 342901   | 27.224 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.087 | 154  | 1235880  | 29.151 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.134 | 162  | 982222   | 29.021 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.369 | 65   | 305953   | 32.688 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.734 | 163  | 1278741  | 29.884 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.869 | 165  | 269391   | 31.489 | ng/ul | 98       |
| 50) Acenaphthylene            | 13.992 | 152  | 1555723  | 29.017 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.216 | 138  | 255760   | 34.356 | ng/ul | 96       |
| 52) Acenaphthene              | 14.339 | 153  | 1035531  | 29.100 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.451 | 184  | 121296   | 26.999 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.586 | 109  | 169397   | 34.707 | ng/ul | 89       |
| 56) Dibenzofuran              | 14.681 | 168  | 1450795  | 29.772 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 385031   | 32.786 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.928 | 232  | 263035   | 24.387 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.110 | 149  | 1288824  | 30.138 | ng/ul | 99       |
| 61) Fluorene                  | 15.345 | 166  | 1190556  | 29.940 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.333 | 204  | 640018   | 29.661 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 257393   | 41.751 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 228828   | 29.180 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.557 | 169  | 1041741  | 29.271 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248  | 412078   | 28.766 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 482412   | 29.370 | ng/ul | 96       |
| 70) Atrazine                  | 16.551 | 200  | 46533    | 3.588  | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.751 | 266  | 169312   | 18.979 | ng/ul | 98       |
| 72) Phenanthrene              | 17.139 | 178  | 1956776  | 30.863 | ng/ul | 100      |
| 74) Anthracene                | 17.233 | 178  | 1944101  | 30.078 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216  | 557111   | 28.480 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 544226   | 27.998 | ng/uL | 99       |
| 77) Carbazole                 | 17.533 | 167  | 1741450  | 32.959 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.092 | 149  | 2235770  | 30.670 | ng/ul | 100      |
| 80) Fluoranthene              | 19.233 | 202  | 2309761  | 28.829 | ng/ul | 100      |
| 82) Pyrene                    | 19.610 | 202  | 2355730  | 28.894 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.557 | 149  | 998078   | 29.382 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 768991   | 31.360 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.521 | 228  | 2243614  | 29.847 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.439 | 149  | 1421239  | 29.073 | ng/ul | 99       |
| 87) Chrysene                  | 21.592 | 228  | 2131624  | 30.517 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.680 | 149  | 2318964  | 29.884 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.809 | 252  | 2161019  | 30.316 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.880 | 252  | 2196465  | 30.875 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.698 | 252  | 1946010  | 28.889 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.627 | 276  | 2679889m | 30.873 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.686 | 278  | 2200357m | 30.612 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 29.815 | 276  | 2112760  | 29.886 | ng/ul | 97       |

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

