

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122422\  
 Data File : BP013306.D  
 Acq On : 24 Dec 2022 18:38  
 Operator : CG/JU  
 Sample : N6016-13MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYD5MSD

Quant Time: Dec 25 00:23:11 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 24 00:19:17 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/25/2022  
 Supervised By :Yogesh Patel 12/25/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 526291   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.757 | 136  | 1937448  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.586 | 164  | 1075261  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.345 | 188  | 2464077  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.439 | 240  | 2703259  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.921 | 264  | 3146069  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.328  | 96   | 79391    | 6.450  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 982492   | 28.099 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 1437646  | 33.537 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.269  | 67   | 932092   | 36.045 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 1227062  | 36.362 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.657  | 113  | 938945   | 26.732 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 577655   | 40.580 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.834  | 143  | 667504   | 41.652 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 1150621  | 36.964 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.893 | 131  | 1188851  | 27.054 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.992 | 166  | 2844771  | 34.424 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.281 | 160  | 3442427  | 37.910 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.792 | 143  | 549612   | 36.973 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.581 | 176  | 2564646  | 36.684 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 200  | 490007   | 30.902 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.445 | 188  | 3995616  | 35.943 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 5493959  | 35.407 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.762 | 264  | 5830002  | 37.178 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 184114   | 14.328 | ng/uL  | 90       |
| 5) Pyridine                   | 3.775  | 79   | 1289949  | 37.120 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.075  | 77   | 997406   | 59.420 | ng/u1  | 99       |
| 8) Phenol                     | 7.134  | 94   | 1634302  | 37.706 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.363  | 93   | 1309006  | 36.796 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.505  | 128  | 1316316  | 38.038 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.387  | 108  | 1136023  | 33.619 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 1903880  | 39.001 | ng/u1  | 97       |
| 16) Acetophenone              | 8.769  | 105  | 1870560  | 34.732 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 938973   | 34.671 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.722  | 108  | 1232349  | 32.926 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.022  | 117  | 522464   | 37.781 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.151  | 77   | 1424627  | 42.649 | ng/u1  | 97       |
| 23) Isophorone                | 9.681  | 82   | 2514672  | 37.231 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.869  | 139  | 713661   | 41.099 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.928  | 107  | 722929   | 21.338 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93   | 1599836  | 37.044 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.404 | 162  | 1188462  | 38.976 | ng/u1  | 99       |
| 30) Naphthalene               | 10.804 | 128  | 3894438  | 38.434 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.916 | 127  | 1317233  | 30.291 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.087 | 225  | 874894   | 41.789 | ng/u1  | 99       |
| 34) Caprolactam               | 11.710 | 113  | 324857m  | 31.246 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.040 | 107  | 1103730  | 35.469 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.410 | 142  | 2494969  | 35.892 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.628 | 142  | 2469724  | 34.548 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 1511396  | 43.652 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 456584   | 20.264 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.022 | 196  | 935093   | 42.024 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.092 | 196  | 1017579  | 42.574 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 3211696  | 39.770 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.463 | 162  | 2589470  | 40.742 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.669 | 65   | 718862   | 46.649 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.039 | 163  | 2968827  | 36.247 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.163 | 165  | 624893   | 41.053 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.310 | 152  | 3842989  | 39.365 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.498 | 138  | 641784   | 44.652 | ng/ul | 98       |
| 52) Acenaphthene              | 14.651 | 153  | 2644613  | 39.092 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.704 | 184  | 328996   | 31.620 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.804 | 109  | 448766   | 44.245 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.986 | 168  | 3717402  | 38.648 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 902188   | 40.804 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232  | 891418   | 40.868 | ng/ul | 95       |
| 59) Diethylphthalate          | 15.404 | 149  | 2802358  | 35.196 | ng/ul | 100      |
| 61) Fluorene                  | 15.633 | 166  | 3019994  | 39.150 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.628 | 204  | 1558594  | 38.207 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.663 | 138  | 686769   | 54.301 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.716 | 198  | 506863   | 32.710 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.845 | 169  | 2518026  | 36.859 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 988934   | 36.956 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.645 | 284  | 1195732  | 37.633 | ng/ul | 99       |
| 70) Atrazine                  | 16.798 | 200  | 953563   | 35.819 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.992 | 266  | 780678   | 40.571 | ng/ul | 100      |
| 72) Phenanthrene              | 17.386 | 178  | 5047107  | 39.325 | ng/ul | 99       |
| 74) Anthracene                | 17.480 | 178  | 4832553  | 37.710 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.387 | 216  | 1486855  | 42.294 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 1343983  | 37.496 | ng/ul | 100      |
| 77) Carbazole                 | 17.751 | 167  | 4714622  | 43.685 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.292 | 149  | 5050456  | 38.434 | ng/ul | 100      |
| 80) Fluoranthene              | 19.351 | 202  | 6687457  | 37.973 | ng/ul | 100      |
| 82) Pyrene                    | 19.710 | 202  | 6891644  | 37.936 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.569 | 149  | 2684004  | 38.243 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.351 | 252  | 1626236  | 26.630 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.421 | 228  | 7229955  | 40.288 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 3885416  | 39.247 | ng/ul | 99       |
| 87) Chrysene                  | 21.474 | 228  | 6691319  | 39.429 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 6890637  | 39.095 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.163 | 252  | 7832077  | 39.040 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.210 | 252  | 7302266  | 36.707 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.810 | 252  | 6768420  | 38.747 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.521 | 276  | 9085395  | 41.755 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.539 | 278  | 7656966  | 42.503 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.327 | 276  | 7498663  | 42.928 | ng/ul | 99       |

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

