

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042623\  
 Data File : BP014864.D  
 Acq On : 27 Apr 2023 04:56  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020687

Quant Time: Apr 27 05:42:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 26 02:53:24 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/27/2023  
 Supervised By : Jagrut Upadhyay 04/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.205  | 152  | 353458   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.034 | 136  | 1511374  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.834 | 164  | 939888   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.581 | 188  | 2008205  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.651 | 240  | 1409808  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.257 | 264  | 1338515  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.505  | 96   | 67747    | 7.536  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.940  | 84   | 510857   | 19.593 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.340  | 99   | 643350   | 20.022 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.516  | 67   | 377631   | 19.557 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.728  | 132  | 505095   | 21.289 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.910  | 113  | 513961   | 19.915 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.375  | 128  | 247055   | 21.837 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.105 | 143  | 275719   | 23.710 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.646 | 165  | 526873   | 21.798 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.163 | 131  | 729327   | 21.028 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.234 | 166  | 1494978  | 20.499 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.528 | 160  | 1825935  | 21.839 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.010 | 143  | 279116   | 21.008 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.822 | 176  | 1320096  | 21.261 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.934 | 200  | 202001   | 18.128 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.681 | 188  | 2013652  | 21.354 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.892 | 212  | 2164464  | 25.252 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.080 | 264  | 1486678  | 21.424 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.540  | 88   | 72820    | 7.506  | ng/uL  | 95       |
| 5) Pyridine                   | 3.958  | 79   | 515859   | 19.297 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.328  | 77   | 378276   | 24.516 | ng/u1  | 98       |
| 8) Phenol                     | 7.369  | 94   | 667562   | 19.977 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.611  | 93   | 525277   | 19.609 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.758  | 128  | 517172   | 20.899 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.640  | 108  | 508012   | 20.155 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.734  | 45   | 657726   | 19.702 | ng/u1  | 99       |
| 16) Acetophenone              | 9.034  | 105  | 830431   | 20.569 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 9.016  | 70   | 402337   | 19.473 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.969  | 108  | 555287   | 19.679 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.299  | 117  | 216513   | 21.689 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.422  | 77   | 605540   | 21.040 | ng/u1  | 98       |
| 23) Isophorone                | 9.946  | 82   | 1189275  | 20.004 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.140 | 139  | 290130   | 22.350 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 10.187 | 107  | 599398   | 20.809 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.428 | 93   | 731657   | 19.548 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.675 | 162  | 521768   | 21.664 | ng/u1  | 97       |
| 30) Naphthalene               | 11.087 | 128  | 1755234  | 20.996 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.187 | 127  | 730592   | 20.907 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.369 | 225  | 331970   | 21.671 | ng/u1  | 100      |
| 34) Caprolactam               | 11.957 | 113  | 168700m  | 21.245 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.293 | 107  | 551842   | 20.692 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.675 | 142  | 1184389  | 20.866 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.893 | 142  | 1176159  | 20.785 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.040 | 216  | 653495   | 22.193 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 13.022 | 237  | 306780   | 17.979 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.269 | 196  | 425322   | 22.757 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.340 | 196  | 460250   | 22.283 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.669 | 154  | 1584200  | 21.442 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.716 | 162  | 1258778  | 21.763 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.910 | 65   | 333642   | 23.032 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.281 | 163  | 1492505  | 20.419 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.404 | 165  | 296367   | 22.630 | ng/ul | 94       |
| 50) Acenaphthylene            | 14.557 | 152  | 1946958  | 21.562 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.728 | 138  | 333569   | 23.221 | ng/ul | 98       |
| 52) Acenaphthene              | 14.898 | 153  | 1329661  | 21.422 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.934 | 184  | 116361   | 15.082 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 15.022 | 109  | 210174   | 21.142 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.228 | 168  | 1843500  | 21.090 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.187 | 165  | 426218   | 22.087 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.451 | 232  | 390206   | 22.404 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.640 | 149  | 1479261  | 20.898 | ng/ul | 100      |
| 61) Fluorene                  | 15.881 | 166  | 1467685  | 21.285 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.863 | 204  | 735929   | 21.053 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.892 | 138  | 338855   | 26.152 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.945 | 198  | 200403   | 17.893 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 16.081 | 169  | 1254883  | 21.247 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.763 | 248  | 466839   | 21.484 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.887 | 284  | 539380   | 21.404 | ng/ul | 97       |
| 70) Atrazine                  | 17.028 | 200  | 455857   | 22.584 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.228 | 266  | 320334   | 21.669 | ng/ul | 99       |
| 72) Phenanthrene              | 17.628 | 178  | 2341134  | 21.288 | ng/ul | 99       |
| 74) Anthracene                | 17.716 | 178  | 2363930  | 21.320 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.640 | 216  | 664990   | 22.244 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.151 | 250  | 645991   | 21.887 | ng/ul | 99       |
| 77) Carbazole                 | 17.975 | 167  | 2112186  | 22.382 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.510 | 149  | 2585261  | 23.082 | ng/ul | 99       |
| 80) Fluoranthene              | 19.569 | 202  | 2609111  | 25.829 | ng/ul | 100      |
| 82) Pyrene                    | 19.922 | 202  | 2620086  | 25.079 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.769 | 149  | 1048612  | 29.915 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.557 | 252  | 638406   | 21.701 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.633 | 228  | 2120524  | 21.621 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 1529103  | 29.385 | ng/ul | 100      |
| 87) Chrysene                  | 21.692 | 228  | 1973686  | 21.228 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.522 | 149  | 2277352  | 25.592 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.451 | 252  | 1863220  | 20.326 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.504 | 252  | 1830105  | 20.585 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.133 | 252  | 1619652  | 20.860 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.015 | 276  | 2096710  | 23.948 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.033 | 278  | 1735367  | 23.766 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.862 | 276  | 1706261  | 24.598 | ng/ul | 99       |

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

