

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090723\  
 Data File : BP016977.D  
 Acq On : 07 Sep 2023 08:54  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020720

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/08/2023  
 Supervised By :mohammad ahmed 09/09/2023

Quant Time: Sep 08 00:44:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 325649   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.804 | 136  | 1444259  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.639 | 164  | 894681   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.410 | 188  | 1887977  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 1482627  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.051 | 264  | 1332807  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.322  | 96   | 73287    | 8.513  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.764  | 84   | 516472   | 20.995 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.122  | 99   | 631130   | 21.214 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.316  | 67   | 409675   | 22.014 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 463398   | 21.521 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.687  | 113  | 489624   | 21.602 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.175  | 128  | 236734   | 21.128 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.893  | 143  | 254626   | 20.964 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.416 | 165  | 466951   | 20.824 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 678989   | 20.988 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.051 | 166  | 1406630  | 21.121 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.339 | 160  | 1643947  | 21.389 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.851 | 143  | 259818   | 19.972 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.634 | 176  | 1211745  | 21.251 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.763 | 200  | 201209   | 17.709 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.510 | 188  | 1833424  | 21.146 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.745 | 212  | 1932919  | 21.404 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.886 | 264  | 1387266  | 20.517 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 78772    | 8.474  | ng/uL  | 99       |
| 5) Pyridine                   | 3.781  | 79   | 543777   | 20.765 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.134  | 77   | 362358   | 26.873 | ng/u1  | 98       |
| 8) Phenol                     | 7.152  | 94   | 658076   | 21.290 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.410  | 93   | 539799   | 21.899 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.528  | 128  | 496921   | 21.662 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.416  | 108  | 482592   | 21.284 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.510  | 45   | 791401m  | 22.803 | ng/u1  |          |
| 16) Acetophenone              | 8.828  | 105  | 823216   | 22.507 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.799  | 70   | 441742   | 22.609 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.752  | 108  | 533077   | 21.558 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.046  | 117  | 203061   | 21.368 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.222  | 77   | 639019   | 21.359 | ng/u1  | 100      |
| 23) Isophorone                | 9.734  | 82   | 1204829  | 21.435 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.922  | 139  | 284731   | 21.292 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.963  | 107  | 578287   | 21.179 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.222 | 93   | 750961   | 21.558 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.446 | 162  | 480982   | 21.047 | ng/u1  | 99       |
| 30) Naphthalene               | 10.857 | 128  | 1663099  | 21.103 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.993 | 127  | 711125   | 21.121 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.087 | 225  | 272787   | 19.971 | ng/u1  | 99       |
| 34) Caprolactam               | 11.810 | 113  | 156280   | 20.649 | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.087 | 107  | 539658   | 21.549 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.463 | 142  | 1113627  | 21.383 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.681 | 142  | 1122195  | 21.402 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 539087   | 20.451 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.763 | 237  | 294987   | 17.271 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.063 | 196  | 372579   | 20.767 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.134 | 196  | 409788   | 20.992 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.469 | 154  | 1506608  | 21.274 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.516 | 162  | 1173141  | 21.098 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.751 | 65   | 366033   | 22.104 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.098 | 163  | 1483195  | 21.226 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.245 | 165  | 290797   | 21.428 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.369 | 152  | 1840981  | 21.392 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.581 | 138  | 294372   | 21.736 | ng/ul | 99       |
| 52) Acenaphthene              | 14.704 | 153  | 1291821  | 21.515 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.781 | 184  | 125019   | 14.858 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.869 | 109  | 214219   | 20.575 | ng/ul | 99       |
| 56) Dibenzofuran              | 15.039 | 168  | 1758931  | 21.305 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.022 | 165  | 424978   | 21.816 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232  | 324652   | 20.628 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.451 | 149  | 1508262  | 21.599 | ng/ul | 99       |
| 61) Fluorene                  | 15.692 | 166  | 1447669  | 21.268 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.681 | 204  | 687977   | 20.914 | ng/ul | 96       |
| 63) 4-Nitroaniline            | 15.751 | 138  | 263755   | 22.151 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.775 | 198  | 211089   | 17.733 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.904 | 169  | 1212826  | 21.304 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 384626   | 20.477 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.669 | 284  | 417983   | 20.301 | ng/ul | 98       |
| 70) Atrazine                  | 16.863 | 200  | 402903   | 20.671 | ng/ul | 97       |
| 71) Pentachlorophenol         | 17.033 | 266  | 245288   | 18.268 | ng/ul | 99       |
| 72) Phenanthrene              | 17.451 | 178  | 2228215  | 21.239 | ng/ul | 100      |
| 74) Anthracene                | 17.545 | 178  | 2236560  | 21.208 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.422 | 216  | 549060   | 20.416 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.928 | 250  | 531468   | 20.516 | ng/ul | 99       |
| 77) Carbazole                 | 17.828 | 167  | 2026520  | 21.383 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 2478312  | 21.346 | ng/ul | 99       |
| 80) Fluoranthene              | 19.416 | 202  | 2428990  | 21.541 | ng/ul | 100      |
| 82) Pyrene                    | 19.774 | 202  | 2521351  | 21.536 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 1041436  | 21.510 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.433 | 252  | 644678   | 19.593 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 2227425  | 21.332 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.369 | 149  | 1444307  | 21.593 | ng/ul | 100      |
| 87) Chrysene                  | 21.551 | 228  | 2083297  | 21.329 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 2281877  | 20.424 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 1930527  | 20.731 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.310 | 252  | 1872069  | 20.760 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.939 | 252  | 1613084  | 20.769 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.751 | 276  | 1828410  | 21.207 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.774 | 278  | 1517180  | 21.321 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.592 | 276  | 1457746  | 21.456 | ng/ul | 99       |

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

