

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101422\  
 Data File : BP012147.D  
 Acq On : 14 Oct 2022 21:02  
 Operator : CG/JU  
 Sample : PB148236BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

BNA\_P

ClientSampleId :

SLCS236

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 14 23:06:22 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101122.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Oct 12 23:03:21 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 255333   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.646 | 136  | 1074646  | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.492 | 164  | 592514   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 1195834  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.345 | 240  | 1309485  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.762 | 264  | 1366305  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 23550    | 3.636  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 345015   | 20.032 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.010  | 99   | 645787   | 31.448 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.175  | 67   | 368824   | 31.642 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 514474   | 31.562 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.557  | 113  | 477628   | 30.281 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.010  | 128  | 240514   | 31.690 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.734  | 143  | 247424   | 32.151 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.269 | 165  | 446337   | 29.926 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.793 | 131  | 598792   | 27.244 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.904 | 166  | 1100200  | 29.319 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.187 | 160  | 1408880  | 30.362 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.704 | 143  | 245227   | 33.287 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.486 | 176  | 1003847  | 29.568 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 200  | 181956   | 28.816 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.351 | 188  | 1573614  | 30.304 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.592 | 212  | 1909557  | 28.464 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.604 | 264  | 2086121  | 31.408 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 44894    | 6.588  | ng/uL  | 90       |
| 5) Pyridine                   | 3.711  | 79   | 340049   | 20.607 | ng/ul  | 93       |
| 6) Benzaldehyde               | 6.987  | 77   | 378733m  | 39.309 | ng/ul  |          |
| 8) Phenol                     | 7.040  | 94   | 615453   | 28.548 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.269  | 93   | 481399   | 28.302 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.405  | 128  | 504427   | 28.514 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.293  | 108  | 446497   | 27.768 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.381  | 45   | 512353   | 29.388 | ng/ul  | 99       |
| 16) Acetophenone              | 8.675  | 105  | 682090   | 28.049 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.657  | 70   | 308857   | 27.886 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.622  | 108  | 478807   | 27.627 | ng/ul  | 95       |
| 19) Hexachloroethane          | 8.922  | 117  | 201744   | 29.543 | ng/ul  | 95       |
| 22) Nitrobenzene              | 9.051  | 77   | 510401   | 29.336 | ng/ul  | 98       |
| 23) Isophorone                | 9.581  | 82   | 877040   | 28.419 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.763  | 139  | 258054   | 28.541 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.828  | 107  | 453740   | 25.768 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.063 | 93   | 582209   | 27.492 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.298 | 162  | 424032   | 27.053 | ng/ul  | 98       |
| 30) Naphthalene               | 10.698 | 128  | 1516002  | 26.696 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.816 | 127  | 586277   | 25.873 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.975 | 225  | 245346   | 25.243 | ng/ul  | 97       |
| 34) Caprolactam               | 11.616 | 113  | 121917m  | 28.306 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.945 | 107  | 414615   | 27.922 | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.310 | 142  | 947268   | 25.905 | ng/ul  | 100      |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 12 23:03:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.528 | 142  | 949955   | 25.941 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 462409   | 25.530 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.651 | 237  | 173289   | 19.698 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.922 | 196  | 294575   | 27.000 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.998 | 196  | 326322   | 27.520 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.322 | 154  | 1198865  | 26.802 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.363 | 162  | 948109   | 26.543 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.581 | 65   | 232456   | 30.507 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.951 | 163  | 1066806  | 26.983 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.075 | 165  | 203646   | 29.094 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.216 | 152  | 1468162  | 27.963 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.410 | 138  | 246596   | 30.255 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.557 | 153  | 1004356  | 26.871 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.616 | 184  | 109507   | 24.217 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.722 | 109  | 157995   | 31.021 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.892 | 168  | 1362668  | 26.976 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.863 | 165  | 316385   | 31.450 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.122 | 232  | 261833   | 28.330 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.322 | 149  | 1026858  | 28.360 | ng/ul  | 100      |
| 61) Fluorene                  | 15.545 | 166  | 1097911  | 27.688 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.539 | 204  | 503600   | 26.253 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.575 | 138  | 266208   | 35.770 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.628 | 198  | 183506   | 26.882 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.757 | 169  | 905842   | 25.592 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.439 | 248  | 288237   | 24.770 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.551 | 284  | 337819   | 25.012 | ng/ul  | 99       |
| 70) Atrazine                  | 16.716 | 200  | 276851   | 25.436 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.904 | 266  | 217324   | 27.464 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.292 | 178  | 1770206  | 27.220 | ng/ul  | 100      |
| 74) Anthracene                | 17.386 | 178  | 1760910  | 27.362 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.287 | 216  | 475775   | 24.621 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 417801   | 22.015 | ng/ul  | 99       |
| 77) Carbazole                 | 17.663 | 167  | 1700932  | 29.633 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.210 | 149  | 1668218  | 29.287 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.263 | 202  | 2135318  | 25.976 | ng/ul  | 96       |
| 82) Pyrene                    | 19.616 | 202  | 2276464  | 26.168 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.492 | 149  | 831437   | 30.150 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.263 | 252  | 764129   | 26.481 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.327 | 228  | 2342773  | 28.423 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.251 | 149  | 1163276  | 31.291 | ng/ul  | 99       |
| 87) Chrysene                  | 21.380 | 228  | 2188019  | 27.578 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.174 | 149  | 2070782  | 30.273 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.021 | 252  | 2445986  | 28.282 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.074 | 252  | 2417837  | 28.422 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.657 | 252  | 2184201  | 28.308 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.280 | 276  | 2870217  | 29.420 | ng/ul# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.292 | 278  | 2469257  | 28.212 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 27.051 | 276  | 2390551  | 27.177 | ng/ul# | 95       |

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

## Manual Integrations

Quant Time: Oct 14 23:06:22 2022  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 12 23:03:21 2022  
Response via : Initial Calibration

