

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072722\  
 Data File : BP011141.D  
 Acq On : 27 Jul 2022 22:18  
 Operator : CG/JU  
 Sample : PB146439BS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS439

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/28/2022  
 Supervised By :mohammad ahmed 07/28/2022

Quant Time: Jul 28 00:59:39 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071422.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 28 00:46:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.658  | 152  | 297225   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.452 | 136  | 1174561  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.322 | 164  | 595282   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.087 | 188  | 1157747  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.204 | 240  | 1200659  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.545 | 264  | 1282966  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.164  | 96   | 51044    | 6.191  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.570  | 84   | 688745   | 32.320 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.840  | 99   | 864265   | 35.423 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 612207   | 39.022 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.193  | 132  | 710390   | 36.034 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.381  | 113  | 650076   | 33.282 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.822  | 128  | 332112   | 38.800 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.540  | 143  | 322403   | 38.065 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.075 | 165  | 553694   | 35.747 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 815353   | 31.930 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 1479185  | 36.357 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.010 | 160  | 1922254  | 40.044 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.540 | 143  | 285705   | 34.697 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1258326  | 36.386 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 207171   | 36.163 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.186 | 188  | 1848247  | 37.552 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.439 | 212  | 2196394  | 34.831 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.392 | 264  | 2403110  | 38.999 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.193  | 88   | 101497   | 11.733 | ng/uL# | 89       |
| 5) Pyridine                   | 3.587  | 79   | 703915   | 32.053 | ng/u1# | 80       |
| 6) Benzaldehyde               | 6.811  | 77   | 622698   | 52.544 | ng/u1  | 98       |
| 8) Phenol                     | 6.864  | 94   | 893838   | 34.466 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.093  | 93   | 744571   | 36.175 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.222  | 128  | 722383   | 35.448 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.111  | 108  | 638680   | 33.301 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.199  | 45   | 1247889  | 44.328 | ng/u1  | 96       |
| 16) Acetophenone              | 8.487  | 105  | 1031496  | 34.886 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.481  | 70   | 547137   | 36.879 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.440  | 108  | 677159   | 33.069 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.728  | 117  | 331722   | 41.134 | ng/u1# | 74       |
| 22) Nitrobenzene              | 8.863  | 77   | 823082   | 40.889 | ng/u1  | 96       |
| 23) Isophorone                | 9.393  | 82   | 1437535  | 38.157 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.569  | 139  | 355313   | 37.373 | ng/u1  | 90       |
| 26) 2,4-Dimethylphenol        | 9.640  | 107  | 685256   | 34.084 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 906901   | 36.375 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.105 | 162  | 550494   | 34.337 | ng/u1  | 98       |
| 30) Naphthalene               | 10.499 | 128  | 2145638  | 35.848 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 803631   | 31.817 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.781 | 225  | 348360   | 37.329 | ng/u1  | 96       |
| 34) Caprolactam               | 11.416 | 113  | 174687m  | 31.091 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 606384   | 33.468 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.122 | 142  | 1323430  | 34.106 | ng/u1  | 97       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.346 | 142  | 1332522  | 34.260 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.493 | 216  | 583898   | 37.190 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 347132   | 35.698 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.746 | 196  | 365211   | 35.322 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 390379   | 35.329 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.151 | 154  | 1646993  | 37.081 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.187 | 162  | 1242637  | 37.247 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 399796   | 41.131 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.787 | 163  | 1445000  | 35.198 | ng/ul# | 97       |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 278657   | 37.492 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.040 | 152  | 2004086  | 37.206 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.240 | 138  | 317847   | 35.595 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.387 | 153  | 1310168  | 36.717 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 133896   | 30.792 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 239051   | 37.919 | ng/ul# | 78       |
| 56) Dibenzofuran              | 14.722 | 168  | 1777593  | 36.102 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 414890   | 39.134 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 298730   | 34.522 | ng/ul# | 78       |
| 59) Diethylphthalate          | 15.169 | 149  | 1509947  | 35.814 | ng/ul  | 98       |
| 61) Fluorene                  | 15.375 | 166  | 1412932  | 35.757 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 631539   | 34.717 | ng/ul  | 92       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 337048m  | 41.070 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 210347   | 35.791 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 1199259  | 36.262 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 374126   | 35.830 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.381 | 284  | 432430   | 35.683 | ng/ul# | 91       |
| 70) Atrazine                  | 16.563 | 200  | 398604   | 34.841 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.734 | 266  | 254238   | 34.064 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.128 | 178  | 2221936  | 36.837 | ng/ul  | 98       |
| 74) Anthracene                | 17.222 | 178  | 2202249  | 36.704 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216  | 577837   | 34.864 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.640 | 250  | 526866   | 36.264 | ng/uL  | 99       |
| 77) Carbazole                 | 17.504 | 167  | 2110323  | 37.579 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.069 | 149  | 2631089  | 37.482 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.116 | 202  | 2616659  | 35.479 | ng/ul# | 85       |
| 82) Pyrene                    | 19.469 | 202  | 2707322  | 35.579 | ng/ul# | 81       |
| 83) Butylbenzylphthalate      | 20.363 | 149  | 1227302  | 36.155 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.133 | 252  | 868253   | 40.840 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.192 | 228  | 2644140  | 36.161 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 1886500  | 37.247 | ng/ul# | 96       |
| 87) Chrysene                  | 21.245 | 228  | 2602255  | 36.244 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.039 | 149  | 3290844  | 38.247 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.833 | 252  | 2958655  | 37.348 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 22.880 | 252  | 2689132  | 36.139 | ng/ul# | 94       |
| 93) Benzo(a)pyrene            | 23.439 | 252  | 2855447  | 37.533 | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.962 | 276  | 3375811  | 38.183 | ng/ul# | 86       |
| 95) Dibenzo(a,h)anthracene    | 25.980 | 278  | 2903996  | 37.959 | ng/ul# | 92       |
| 96) Benzo(g,h,i)perylene      | 26.704 | 276  | 2920169  | 38.780 | ng/ul# | 86       |

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

